

BIRMINGHAM CITY COMMISSION AGENDA
JUNE 4, 2018
MUNICIPAL BUILDING, 151 MARTIN
7:30 P.M.

I. CALL TO ORDER AND PLEDGE OF ALLEGIANCE

Andrew M. Harris, Mayor

II. ROLL CALL

J. Cherilynn Mynsberge, City Clerk

III. PROCLAMATIONS, CONGRATULATORY RESOLUTIONS, AWARDS, APPOINTMENTS, RESIGNATIONS AND CONFIRMATIONS, ADMINISTRATION OF OATHS, INTRODUCTION OF GUESTS AND ANNOUNCEMENTS.

Announcements:

- Presentation of Citizens Academy Graduates.
- Birmingham's In the Park free concert series takes place in Shain Park on Wednesday nights at 7 p.m., June 20 through August 15. Plus, enjoy afternoon concerts at noon on July 11 and August 1. Concerts span a diverse range of genres appealing to all ages.
- Enjoy a family-friendly film under the stars at Birmingham Movie Night in Booth Park on Friday, June 22. Pre-show entertainment begins at 7:30 p.m., and the movie starts at dusk.
- The City Commission wishes to recognize Patricia Papadopoulos for two years of service as the Alternate Hearing Officer for the City of Birmingham and to express appreciation for her contributions.

Appointments:

- A. Interviews for the Board of Ethics
 - 1. John J. Schrot, Jr.
- B. Appointment to the Board of Ethics
 - 1. To appoint _____ to the Board of Ethics as a regular member to serve a three-year term to expire June 30, 2021.
- C. Interviews for the Greenwood Cemetery Advisory Board
 - 1. George Stern (unable to attend)
 - 2. Charles McIntyre (unable to attend)
 - 3. Laura Schreiner
 - 4. Linda Peterson (unable to attend)
- D. Appointments to the Greenwood Cemetery Advisory Board
 - 1. To appoint _____ to the Greenwood Cemetery Advisory Board as a regular member to serve a three-year term to expire July 6, 2021.
 - 2. To appoint _____ to the Greenwood Cemetery Advisory Board as a regular member to serve a three-year term to expire July 6, 2021.

3. To appoint _____ to the Greenwood Cemetery Advisory Board as a regular member to serve a three-year term to expire July 6, 2021.
- E. Interviews for the Historic District Study Committee
 1. Evan Milan
 2. Gigi Debbrecht
- F. Appointments to the Historic District Study Committee
 1. To appoint _____ to the Historic District Study Committee as a regular member to serve a three-year term to expire June 25, 2021.
 2. To appoint _____ to the Historic District Study Committee as a regular member to serve a three-year term to expire June 25, 2021.
 3. To appoint _____ to the Historic District Study Committee as a regular member to serve the remainder of a three-year term to expire June 25, 2019.
 3. To appoint _____ to the Historic District Study Committee as a regular member to serve the remainder of a three-year term to expire June 25, 2020.
- G. Interviews for the Museum Board
 1. Russell Dixon
 2. Tina Krizanic
- H. Appointments to the Museum Board
 1. To appoint _____ to the Museum Board as a regular member to serve a three-year term to expire July 5, 2021.
 2. To appoint _____ to the Museum Board as a regular member to serve a three-year term to expire July 5, 2021.
- I. Interview for Board of Building Trades Appeals
 1. Bradley Klein
- J. Appointment to the Board of Building Trades Appeals
 1. To appoint _____ to the Multi-Modal Transportation Board as a regular member to serve the remainder of a three-year term to expire March 24, 2019.
- K. Administration of Oath of Office to Appointees

IV. CONSENT AGENDA

All items listed on the consent agenda are considered to be routine and will be enacted by one motion and approved by a roll call vote. There will be no separate discussion of the items unless a commissioner or citizen so requests, in which event the item will be removed from the general order of business and considered under the last item of new business.

- A. Resolution approving the City Commission meeting minutes of May 24, 2018.
- B. Resolution approving the warrant list, including Automated Clearing House payments, dated May 23, 2018 in the amount of \$2,991,400.22.
- C. Resolution approving the warrant list, including Automated Clearing House payments, dated May 30, 2018 in the amount of \$497,390.00.
- D. Resolution approving appropriations and amendments to the fiscal year 2017-2018 budget.
- E. Resolution approving the request submitted by the Birmingham Harriers/Seaholm High School to hold a 5K Run/Walk race on Sunday, August 5, 2018, at Seaholm High School

to raise funds for Birmingham Harriers, a community organization that supports Seaholm High School running programs and promotes fitness, contingent upon compliance with all permit and insurance requirements and payment of all fees and, further pursuant to any minor modifications that may be deemed necessary by administrative staff at the time of the event.

- F. Resolution approving the request submitted by the Oral Cancer Foundation to hold a 5K Run/Walk race on Sunday, August 5, 2018, at Seaholm High School to raise awareness about oral cancer and prevention, contingent upon compliance with all permit and insurance requirements and payment of all fees and, further pursuant to any minor modifications that may be deemed necessary by administrative staff at the time of the event.
- G. Resolution approving the Change Order for the Springdale Bridge Project with Kyle Builders, Inc., as reviewed and confirmed by AEW and staff, in the amount of \$15,000, to be funded from Springdale Golf Course – Public Improvement account #584-753.001-981.0100.
- H. Resolution awarding the Webster Ave. Paving Project, Contract #4-18(P) to Angelo Iafrate Construction Company, of Warren, MI, in the amount of \$2,689,473.00, to be charged to the various accounts as detailed in the report; and further approving the appropriations and budget amendments as follows:
Water Fund
 Revenues:

Draw from Net Position	#591-000.000-400.0000	<u>\$ 98,815</u>
Total Revenue Adjustments		\$ 98,815

 Expenditures:

Public Improvements	#591-537.004-981.0100	<u>\$ 98,815</u>
Total Expenditure Adjustments		\$ 98,815
- I. Resolution setting Monday, June 25, 2018 at 7:30 PM for a Public Hearing to consider a Special Land Use Permit Amendment for 34977 Woodward – Hazel Ravines Downtown, to allow for the proposed renovations and decorations.
- J. Resolution setting Monday, July 9, 2018 at 7:30 PM for a Public Hearing to consider necessity for the installation of water and sewer laterals within the 2018 Local Street Paving project area. Further, setting Monday, July 23, 2018 at 7:30 PM for a Public Hearing to confirm the roll for the installation of water and sewer laterals within the 2018 Local Street Paving project area.
- K. Resolution approving the renewal of the EPI annual license with Harvey Electronics that will ensure PCI compliance and secure credit card transactions in the amount of \$11,175.00, and further, equally charging all parking garages under the following accounts:
 585-538.002-811.0000
 585-538.003-811.0000
 585-538.004-811.0000
 585-538.005-811.0000
 585-538.008-811.0000

V. UNFINISHED BUSINESS

VI. NEW BUSINESS

- A. Public Hearing to consider Confirmation for Special Assessment District for 2018 Cape Seal Program.
 - 1. Resolution ratifying and confirming Special Assessment Roll No. 882 to defray the cost of public street maintenance of all properties fronting and/or siding on the improvement within the 2018 Cape Seal project area, and directing the City Clerk to endorse said roll, showing the date of confirmation thereof, and to certify said assessment roll to the City Treasurer for collection at or near the time of construction of the improvement; further, that special assessments shall be payable in one (1) payment as provided in Section 94-10 of the Code of the City of Birmingham at five and three quarters percent (5.75%) annual interest. (complete resolution in agenda packet)
- B. Public Hearing to consider the Special Land Use Permit Amendment – 209 Hamilton Row/250 N. Old Woodward – Emagine Palladium.
 - 1. Resolution approving the Special Land Use Permit Amendment for 209 Hamilton Row/250 N Old Woodward – Emagine Palladium, to allow for the renovation and installation of a 35 seat private viewing theater.
- C. Resolution accepting the recommendation of the Multi-Modal Transportation Board, and directing staff to proceed with the installation of test features that will provide the majority of the transportation improvements being considered in a temporary mode, at a reduced cost, as outlined below:
 - 1. Installation of painted bumpouts with lane markers at each intersection, as well as pavement markings to improve each crosswalk in accordance with the recommended plan.
 - 2. Installation of sharrows between Maple Rd. and Yosemite Blvd.
 - 3. Removal of parking, and installation of buffered, marked bike lanes for northbound and southbound traffic between Yosemite Blvd. and Villa Rd.
 - 4. Removal of parking on the west side of the street, to provide room for a marked, buffered, and separated two-way bike lane, as well as white lines demarcating the northbound parking lane between Villa Rd. and Lincoln Ave.
 - 5. Installation of double yellow lines and white line to demarcate travel lanes from the southbound parking lane between Lincoln Ave. and 14 Mile Rd.
- D. Resolution approving the Online Banking Policy as presented by Finance Director/Treasurer Gerber.
- E. Resolution approving the following materials as recommended by the Multi-Modal Transportation Board on January 4, 2018: Polyurea on all major concrete streets and HPS-8 on all major asphalt streets within the Central Business District, Triangle District, Rail District, and waterborne paint on all other streets. Depending on visibility needs and average daily traffic, polyurea or HPS-8 may be used for crosswalks adjacent to schools.
- F. Resolution approving Residential Street Width Standards as recommended by the Multi-Modal Transportation Board on May 3, 2018.
- G. Resolution approving the recommendation of the Ad Hoc Parking Development committee and directing the City to continue discussion with Walbridge / Woodward

Bates Partners LLC to advance their proposal for increased parking and Bates Street development in a combined and incremental development approach; and further, considering the engagement of a development consultant to represent the City in future negotiations.

- H. Resolution directing the Parks and Recreation board to review the 2018 Parks and Recreation Master Plan's Five-Year Capital Improvement Plan and work with staff to identify facility needs related to the Parks and Recreation operation through a public engagement process to identify a priority list of projects and associated amounts to be considered for a potential parks bond to be implemented over the next 3 to 5 years, and further, returning to the City Commission with a recommendation for consideration.

VII. REMOVED FROM CONSENT AGENDA

VIII. COMMUNICATIONS

IX. OPEN TO THE PUBLIC FOR MATTERS NOT ON THE AGENDA

X. REPORTS

- A. Commissioner Reports
 - 1. Notice of Intention to appoint one regular member to the Board of Zoning Appeals on July 9, 2018.
- B. Commissioner Comments
- C. Advisory Boards, Committees, Commissions' Reports and Agendas
- D. Legislation
- E. City Staff

XI. ADJOURN

INFORMATION ONLY

NOTICE: Individuals requiring accommodations, such as mobility, visual, hearing, interpreter or other assistance, for effective participation in this meeting should contact the City Clerk's Office at (248) 530-1880 (voice), or (248) 644-5115 (TDD) at least one day in advance to request mobility, visual, hearing or other assistance.

Las personas que requieren alojamiento, tales como servicios de interpretación, la participación efectiva en esta reunión deben ponerse en contacto con la Oficina del Secretario Municipal al [\(248\) 530-1880](tel:248-530-1880) por lo menos el día antes de la reunión pública. (Title VI of the Civil Rights Act of 1964).

Hearing Officer

3 messages

Wed, May 30, 2018 at 10:49 AM

Patricia <liatty00@yahoo.com>

To: Cherilynn Mynsberge <cmynsberge@bhamgov.org>

Good morning Cherilynn,
thank you for your phone call.

My apologies that I did not respond sooner as I intended. I unfortunately will not be able to continue serving in the position of Alternate Hearing Officer but had a wonderful term and thank you for the consideration.

Sincerely,
Patricia Papadopoulos
[Quoted text hidden]

Cherilynn Mynsberge <cmynsberge@bhamgov.org>

To: liatty00@yahoo.com

Thu, May 17, 2018 at 6:03 PM

Patricia:

Thank you for your service as the Alternate Hearing Officer. Your term will expire on June 30, 2018. If you wish to continue serving, please complete the attached application form and return it no later than noon on Wednesday, May 30, 2018.

The meeting and interview for this appointment will be held on Monday, June 4, 2018 at 7:30 p.m. in Room 205 of the Municipal Building.

When you return your application, please let me know whether or not you will be attending the Commission meeting.

Regards,

J. Cherilynn Mynsberge
City Clerk
City of Birmingham
248-530-1802

ANNOUNCEMENT



NOTICE OF INTENTION TO APPOINT TO THE BOARD OF ETHICS

At the regular meeting of Monday, June 4, 2018, the Birmingham City Commission intends to appoint one regular member to the Board of Ethics to serve a three-year term to expire June 30, 2021.

Board members are to serve as an advisory body for the purposes of interpreting the Code of Ethics. The board consists of three members who serve without compensation. The members shall be residents and have legal, administrative or other desirable qualifications.

Interested citizens may submit an application available at the city clerk's office or online at www.bhamgov.org/boardopportunities. Applications must be submitted to the city clerk's office on or before noon on Wednesday, May 30, 2018. These documents will appear in the public agenda for the regular meeting at which time the City Commission will discuss recommendations, and may make nominations and vote on appointments.

Applicant(s) Presented For City Commission Consideration:

Applicant Name	Criteria/Qualifications
John J. Schrot, Jr. 1878 Fairway	Resident Litigator; Arbitrator; Mediator

NOTE: All members of boards and commissions are subject to the provisions of City of Birmingham City Code Chapter 2, Article IX, Ethics and the filing of the Affidavit and Disclosure Statement.

SUGGESTED ACTION:

To appoint _____ to the Board of Ethics as a regular member to serve a three-year term to expire June 30, 2021.



BOARD OF ETHICS

Ordinance 1805 (Birmingham Code of Ordinances Sec. 2-320 through 2-326)

The board shall serve as an advisory body for purposes of interpreting the Code of Ethics.

The board consists of three members who serve without compensation. The members shall be residents and have legal, administrative, or other desirable qualifications.

Last Name	First Name	Home Business E-Mail	Appointed	Term Expires
Fierro-Share	Sophie	(248) 642-7340 <i>sfierro-share@comcast.net</i>	7/14/2003	6/30/2020
1040 Gordon Lane				
Robb	James	(248) 647-2632 <i>robbJ@cooley.edu</i>	8/11/2003	6/30/2019
1533 Pleasant Ct				
Schrot	John	(248) 646-6513 <i>jschrot@berrymoorman.com</i>	7/14/2003	6/30/2018
1878 Fairway				

CITY BOARD/COMMITTEE ATTENDANCE RECORD

Name of Board: Board of Ethics Year: 2017

Members Required for Quorum: 2

MEMBER NAME	2/6	7/17					Total Mtgs. Att.	Total Absent	Percent Attended Available
REGULAR MEMBERS									
Sophie Fierro-Share	A	A					0	2	0%
James Robb	P	P					2	0	100%
John Schrot	P	P					2	0	100%
Reserved									
Reserved									
Present or Available	2	2	0	0	0	0			

KEY: A = Member absent
 P = Member present or available
 CP = Member available, but meeting canceled for lack of quorum
 CA = Member not available and meeting was canceled for lack of business items
 NA = Member not appointed at that time
 NM = No meeting scheduled that month
 CM = Meeting canceled for lack of business items

CITY BOARD/COMMITTEE ATTENDANCE RECORD

Board/Committee: Board of Ethics

Year: 2016

MEMBER NAME	2/12	12/16												Total Mtgs. Att.	Total Absent	Percent Attend
REGULAR MEMBERS																
Fierro-Share	P	A												1	1	50%
Robb	P	P												2	0	100%
Schrot	P	P												2	0	100%
ALTERNATES - N/A																
Members in attendance	3	2														

KEY: A = Absent

P = Present

NM = No Meeting

Department Head Signature

CITY BOARD/COMMITTEE ATTENDANCE RECORD

Board/Committee: Board of Ethics

Year: 2015

MEMBER NAME	5/15	8/27	9/24	11/6	12/1								Total Mtgs. Att.	Total Absent	Percent Attend
REGULAR MEMBERS															
Fierro-Share	P	P	P	P	P								5	0	100%
Robb	P	P	P	P	P								5	0	100%
Schrot	P	P	P	P	P								5	0	100%
ALTERNATES - N/A															
Members in attendance	3	3	3	3	3										

KEY: A = Absent
P = Present
NM = No Meeting

Department Head Signature



OFFICE USE ONLY	
Meets Requirements?	<input checked="" type="radio"/> Yes <input type="radio"/> No
<input checked="" type="radio"/> Will Attend	<input type="radio"/> Unable to Attend

APPLICATION FOR CITY BOARD OR COMMITTEE

Thank you for your interest in serving on a Board or Committee. The purpose of this form is to provide the City Commission with basic information about applicants considered for appointment. NOTE: Completed applications are included in the City Commission agenda packets. The information included on this form is open to the public. All Board and Committee members are subject to the provisions of the Ethics Ordinance (Chapter 2, Article IX of the City Code).

Information on various Boards and Committees and a list of current openings can be found on the City website at www.bhamgov.org/boardopportunities.

(Please print clearly)

Board/Committee of Interest Board of Ethics

Specific Category/Vacancy on Board renewal as regular member

Name John J. Schrot, Jr.

Phone 248-645-9680

Residential Address 1878 Fairway Drive

Email jschrot@berrymoorman.com

Residential City, Zip Birmingham 48009

Length of Residence 35 years

Business Address 255 E. Brown St, Suite 320

Occupation attorney at law

Business City, Zip Birmingham 48009

Reason for Interest: Explain how your background and skills will enhance the board to which you have applied Original member of this Board to present (15 years); prior member/chair of Advisory Parking Committee; interest in safeguarding public trust and confidence in City.

List your related employment experience Litigator; Arbitrator; Mediator

List your related community activities Birmingham Rotary Club; Birmingham Chamber of Commerce; Birmingham Knights of Columbus; Oakland County Bar Foundation.

List your related educational experience Juris Doctor; Master of Business Administration; Bachelor of Science.

To the best of your knowledge, do you or a member of your immediate family have any direct financial or business relationships with any supplier, service provider or contractor of the City of Birmingham from which you or they derive direct compensation or financial benefit? If yes, please explain: No.

Do you currently have a relative serving on the board/committee to which you have applied? No.

Are you an elector (registered voter) in the City of Birmingham? Yes.

John J. Schrot Jr
Signature of Applicant

May 18, 2018
Date

Return the completed and signed application form to: City of Birmingham, City Clerk's Office, 151 Martin, Birmingham, MI 48009 or by email to cmynsberge@bhamgov.org or by fax to 248.530.1080. Updated 8/16/17



NOTICE OF INTENTION TO APPOINT TO THE GREENWOOD CEMETERY ADVISORY BOARD

At the regular meeting of Monday, June 4, 2018 the Birmingham City Commission intends to appoint three regular members to the Greenwood Cemetery Advisory Board to serve three-year terms to expire July 6, 2021.

Members must be chosen from among the citizens of Birmingham and, insofar as possible, represent diverse interests, such as persons with family members interred in Greenwood Cemetery; owners of burial sites within Greenwood Cemetery intending to be interred in Greenwood Cemetery; persons familiar with and interested in the history of Birmingham; persons with familiarity and experience in landscape architecture, horticulture, law or cemetery or funeral professionals.

Interested citizens may submit a form available at the City Clerk's Office on or before noon on Wednesday, May 30, 2018. These applications will appear in the public agenda for the regular meeting at which time the commission will discuss recommendations, and may make nominations and vote on the appointments.

Committee Duties

In general, it shall be the duty of the Greenwood Cemetery Advisory Board to provide recommendations to the City Commission on:

1. Modifications. As to modifications of the rules and regulations governing Greenwood Cemetery.
2. Capital Improvements. As to what capital improvements should be made to the cemetery. Future Demands. As to how to respond to future demands for cemetery services.
3. Day to Day Administration. The day to day administration of the cemetery shall be under the direction and control of the City, through the City Manager or his/her designee.
4. Reports. The Greenwood Cemetery Advisory Board shall make and submit to the City Commission an annual report of the general activities, operation, and condition of the Greenwood Cemetery for the preceding 12 months. The Greenwood Cemetery Advisory Board shall, from time to time, as occasion requires, either in the annual report, or at any time deemed necessary by the Greenwood Cemetery Advisory Board, advise the City Commission in writing on all matters necessary and proper for and pertaining to the proper operation of Greenwood Cemetery and any of its activities or properties.

All members of boards and commissions are subject to the provisions of City of Birmingham City Code Chapter 2, Article IX, Ethics and the filing of the Affidavit and Disclosure Statement.

Applicant(s) Presented For City Commission Consideration:

Applicant Name	Criteria/Qualifications
	Must be a resident of Birmingham and insofar as possible, represent diverse interests, such as persons with family members interred in Greenwood Cemetery; owners of burial sites within Greenwood Cemetery intending to be interred in Greenwood Cemetery; persons familiar with and interested in the history of Birmingham; persons with familiarity and experience in landscape architecture, horticulture, law or cemetery or funeral professionals.
George Stern 1090 Westwood Dr.	Resident Railroad executive. Licensed professional engineer.
Charles McIntyre 1848 E. Melton	Resident Student. Scientist.
Laura Schreiner 591 Bird Avenue	Resident Attorney. Owner of burial site.
Linda Peterson 1532 Melton	Resident Family member interred in Cemetery. Owner of burial site.

SUGGESTED RESOLUTION:

To appoint_____ to the Greenwood Cemetery Advisory Board as a regular member to serve a three-year term to expire July 6, 2021.

To appoint_____ to the Greenwood Cemetery Advisory Board as a regular member to serve a three-year term to expire July 6, 2021.

To appoint_____ to the Greenwood Cemetery Advisory Board as a regular member to serve a three-year term to expire July 6, 2021.



GREENWOOD CEMETERY ADVISORY BOARD

Resolution No. 10-240-14 October 13, 2014.

The Greenwood Cemetery Advisory Board shall consist of seven members who shall serve without compensation. Members must be chosen from among the citizens of Birmingham and, insofar as possible, represent diverse interests, such as persons with family members interred in Greenwood Cemetery; owners of burial sites within Greenwood Cemetery intending to be interred in Greenwood Cemetery; persons familiar with and interested in the history of Birmingham; persons with familiarity and experience in landscape architecture, horticulture, law or cemetery or funeral professionals. The City Manager or his/her designee shall serve as ex official, non-voting members of the Board.

Term: Three years.

In general, it shall be the duty of the Greenwood Cemetery Advisory Board to provide recommendations to the City Commission on:

1. Modifications. As to modifications of the rules and regulations governing Greenwood Cemetery.
2. Capital Improvements. As to what capital improvements should be made to the cemetery.
3. Future Demands. As to how to respond to future demands for cemetery services.
3. Day to Day Administration. The day to day administration of the cemetery shall be under the direction and control of the City, through the City Manager or his/her designee.
4. Reports. The Greenwood Cemetery Advisory Board shall make and submit to the City Commission an annual report of the general activities, operation, and condition of the Greenwood Cemetery for the preceding 12 months. The Greenwood Cemetery Advisory Board shall, from time to time, as occasion requires, either in the annual report, or at any time deemed necessary by the Greenwood Cemetery Advisory Board, advise the City Commission in writing on all matters necessary and proper for and pertaining to the proper operation of Greenwood Cemetery and any of its activities or properties.

Last Name	First Name	Home Business E-Mail	Appointed	Term Expires
Buchanan	Linda	(248) 646-3297	12/14/2015	7/6/2019
1280 Suffield			Vice-Chairperson	
Birmingham	48009	rlb4149@yahoo.com		
Desmond	Kevin	(248) 225-5526	11/24/2014	7/6/2020
759 Hazelwood			Cemetery or funeral professional.	
Birmingham	48009	kdesmond@ajdesmond.com		

Last Name	First Name	Home Business	E-Mail	Appointed	Term Expires
Gehring	Darlene	(248) 540-8061		11/24/2014	7/6/2020
1108 W. Maple				Chairperson	Person familiar with and interested in the history of Birmingham.
Birmingham	48009		<i>maplepro@comcast.net</i>		
Peterson	Linda	(248) 203-9010		11/24/2014	7/6/2018
1532 Melton				Family member interred in cemetery; owner of burial site and intending to be interred in Greenwood; person familiar with and interested in the history of Birmingham.	
Birmingham	48009		<i>lpeterson02@comcast.net</i>		
Schreiner	Laura	(248) 593-0335		11/24/2014	7/6/2018
591 Bird				owner of burial site in Greenwood; person familiar with and interested in the history of Birmingham.	
Birmingham	48009		<i>laschreiner@yahoo.com</i>		
Stern	George	(248) 345-2750		11/24/2014	7/6/2018
1090 Westwood				Person familiar with and interested in the history of Birmingham; person with experience in landscape architecture, horticulture, or law.	
Birmingham	48009		<i>sterngeo@aol.com</i>		
Suter	Margaret	(248) 644-5925		5/23/2016	7/6/2019
1795 Yosemite				owns a plot, relative buried in Greenwood Cemetery	
Birmingham	48009		<i>maasuter@gmail.com</i>		

CITY BOARD/COMMITTEE ATTENDANCE RECORD

Name of Board: **Greenwood Cemetery Advisory Board**

Year: **2018**

Members Required for Quorum: **4**

MEMBER NAME	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	SPEC MTG	SPEC MTG	Total Mtgs. Att.	Total Absent	Percent Attended Available
REGULAR MEMBERS																	
Linda Buchanan	A	P	CA	P	P										3	2	60%
Kevin Desmond	A	A	CA	P	A										1	4	20%
Darlene Gehringer	P	A	CA	P	A										2	3	40%
Linda Peterson	P	A	CP	P	P										3	1	75%
Laura Schreiner	P	P	CA	P	A										3	2	60%
George Stern	P	P	CP	P	P										4	0	100%
Margaret Suter	P	P	CP	P	P										4	0	100%
Reserved															0	0	#DIV/0!
Reserved															0	0	#DIV/0!
Present or Available	5	4	3	7	4	0	0	0	0	0	0	0	0	0			

KEY:

- A** = Member absent
- P** = Member present or available
- CP** = Member available, but meeting canceled for lack of quorum
- CA** = Member not available and meeting was canceled for lack of quorum
- NA** = Member not appointed at that time
- NM** = No meeting scheduled that month
- CM** = Meeting canceled for lack of business items


 Department Head Signature


CITY BOARD/COMMITTEE ATTENDANCE RECORD

Board/Committee: **Greenwood Cemetery Advisory Board**

Year: **2017**

MEMBER NAME	1/6	2/3	3/3	NM	5/5	NM	7/21	8/4	NM	10/6	11/17	12/8	12/15 Spec.	Total Mtgs. Att.	Total Absent	Percent Attend
REGULAR MEMBERS																
Linda Buchanan	P	P	P		A		P	P		P	P	P	P	9	1	90%
Kevin Desmond	P	P	P		P		P	A		A	P	A	P	7	3	70%
Darlene Gehringer	P	P	P		P		P	P		A	P	P	P	9	1	90%
Linda Peterson	A	P	P		P		P	A		P	P	P	P	8	2	80%
Laura Schreiner	A	P	P		P		A	P		P	A	A	P	6	4	60%
George Stern	P	P	P		P		A	P		P	A	P	P	8	2	80%
Margaret Suter	P	P	P		P		A	P		P	P	P	P	9	1	90%
Reserved														0	0	#DIV/0!
Reserved														0	0	#DIV/0!
Members in attendance	5	7	7		6		4	5		5			7			

KEY: A = Absent
P = Present
NM = No Meeting
na = not appointed at that time


 Department Head Signature

CITY BOARD/COMMITTEE ATTENDANCE RECORD

Board/Committee: **Greenwood Cemetery Advisory Board**

Year: **2016**

MEMBER NAME	2/5	4/1	5/27	6/3	7/8	9/2	9/30	10/14	12/9	NM	NM	NM	Total Mtgs. Att.	Total Absent	Percent Attend
REGULAR MEMBERS															
Linda Buchanan	P	P	P	P	P	P	P	P	P	NM	NM	NM	9	0	100%
Kevin Desmond	P	A	A	P	P	A	A	A	A	NM	NM	NM	3	6	33%
Darlene Gehringer	P	P	P	P	P	P	P	A	P	NM	NM	NM	8	1	89%
Linda Peterson	A	P	P	P	A	P	A	P	A	NM	NM	NM	5	4	56%
Laura Schreiner	A	P	P	P	P	P	P	P	P	NM	NM	NM	8	1	89%
George Stern	P	P	P	P	P	P	P	P	P	NM	NM	NM	9	0	100%
Barbara Thurber	A	A	na	na	na	na	na	na	na	na	NM	NM	0	2	0%
Margaret Suter	na	na	P	P	P	P	P	P	P	NM	NM	NM	7	0	100%
Reserved													0	0	#DIV/0!
ALTERNATES															
Member 1	na	na	na	na	na	na	na	na	na	na	na	na	0	0	#DIV/0!
Member 2	na	na	na	na	na	na	na	na	na	na	na	na	0	0	#DIV/0!
Reserved													0	0	#DIV/0!
Reserved													0	0	#DIV/0!
Members in attendance	4	5	6	7	6	6	5	5	5	0	0	0			

KEY: A = Absent

P = Present

NM = No Meeting

na = not appointed at that time

Department Head Signature

CITY BOARD/COMMITTEE ATTENDANCE RECORD

Board/Committee: **Greenwood Cemetery Advisory Board**

Year: **2015**

MEMBER NAME	1/9	2/6	2/23	4/10	5/1	6/5	6/19	8/3	9/11	12/4	NM	NM	Total Mtgs. Att.	Total Absent	Percent Attend
REGULAR MEMBERS															
Kevin Desmond	P	P	P	A	P	P	P	P	P	P	NM	NM	9	1	90%
Pamela DeWeese	P	P	P	P	P	P	P	A	P	P	NM	NM	9	1	90%
Darlene Gehringer	A	P	P	P	P	P	A	A	P	P	NM	NM	7	3	70%
Linda Peterson	P	P	P	A	P	P	P	P	P	P	NM	NM	9	1	90%
Laura Schreiner	P	P	P	A	A	P	P	P	P	P	NM	NM	8	2	80%
George Stern	P	P	P	P	P	P	P	P	P	P	NM	NM	10	0	100%
Barbara Thurber	P	P	P	P	P	P	P	P	P	A	NM	NM	9	1	90%
Reserved													0	0	#DIV/0!
Reserved													0	0	#DIV/0!
ALTERNATES															
Member 1	na	na	na	na	na	na	na	na	na	na	na	na	0	0	#DIV/0!
Member 2	na	na	na	na	na	na	na	na	na	na	na	na	0	0	#DIV/0!
Reserved													0	0	#DIV/0!
Reserved													0	0	#DIV/0!
Members in attendance	6	7	7	4	6	7	6	5	7	6	0	0			

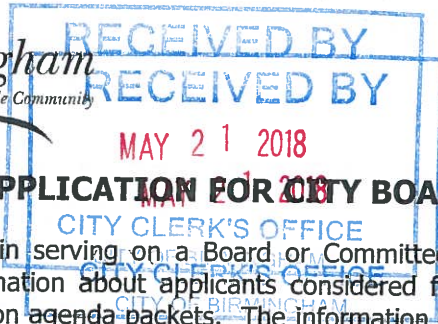
KEY: A = Absent

P = Present

NM = No Meeting

na = not appointed at that time

Department Head Signature



OFFICE USE ONLY
Meets Requirements? Yes No
Will Attend / Unable to Attend

APPLICATION FOR CITY BOARD OR COMMITTEE

Thank you for your interest in serving on a Board or Committee. The purpose of this form is to provide the City Commission with basic information about applicants considered for appointment. NOTE: Completed applications are included in the City Commission agenda packets. The information included on this form is open to the public. All Board and Committee members are subject to the provisions of the Ethics Ordinance (Chapter 2, Article IX of the City Code).

Information on various Boards and Committees and a list of current openings can be found on the City website at www.bhamgov.org/boardopportunities.

(Please print clearly)

Board/Committee of Interest GREENWOOD CEMETERY ADVISORY BOARD

Specific Category/Vacancy on Board MEMBER

Name George L. Stern

Phone 248 258-1924

Residential Address 1090 Westwood Dr

Email Stern geo@aol.com

Residential City, Zip Birmingham 48009

Length of Residence 41 years

Business Address Retired

Occupation Railroad Executive

Business City, Zip _____

Reason for Interest: Explain how your background and skills will enhance the board to which you have applied _____

MORE THAN 30 years of Cemetery Board experience.
Continuous service since founding of Greenwood Cemetery
Advisory Committee and Board

List your related employment experience PRESIDENT - New York & Atlantic Bldg
PRESIDENT - Chicago & Illinois Midland RR - V.P. Grand Trunk RR

List your related community activities Past President: Bham Rotary Senior Men's
Club of Bham, Member Bham Historic Museum Board (2002-14)

List your related educational experience Civil Engineering, Columbia University, BS
MBA, Harvard University, Licensed Professional Engineer

To the best of your knowledge, do you or a member of your immediate family have any direct financial or business relationships with any supplier, service provider or contractor of the City of Birmingham from which you or they derive direct compensation or financial benefit? If yes, please explain: NO

Do you currently have a relative serving on the board/committee to which you have applied? NO

Are you an elector (registered voter) in the City of Birmingham? yes

George L Stern
Signature of Applicant

5-18-2018
Date



OFFICE USE ONLY	
Meets Requirements?	Yes No
Will Attend /	<u>Unable to Attend</u>

able to attend on July 9

APPLICATION FOR CITY BOARD OR COMMITTEE

Thank you for your interest in serving on a Board or Committee. The purpose of this form is to provide the City Commission with basic information about applicants considered for appointment. NOTE: Completed applications are included in the City Commission agenda packets. The information included on this form is open to the public. All Board and Committee members are subject to the provisions of the Ethics Ordinance (Chapter 2, Article IX of the City Code).

Information on various Boards and Committees and a list of current openings can be found on the City website at www.bhamgov.org/boardopportunities.

(Please print clearly)

Board/Committee of Interest Greenwood Cemetery Advisory Board

Specific Category/Vacancy on Board _____

Name Charles J. McIntyre

Phone 610-804-9648

Residential Address 1848 E. Melton

Email charlesmcintyre@oakland.edu

Residential City, Zip Birmingham, MI 48009

Length of Residence 2 years

Business Address n/a

Occupation Student

Business City, Zip n/a

Reason for Interest: Explain how your background and skills will enhance the board to which you have applied _____
I enjoy living in Birmingham and would like to volunteer and contribute
to the success of the community.

List your related employment experience Scientist, 1990-2016

List your related community activities Volunteer at the Greater Boston Food Bank; Volunteer
Reading for the Blind (Cambridge, MA)

List your related educational experience BS, Oakland University 1990
MS (Chemistry) Villanova University 1997

To the best of your knowledge, do you or a member of your immediate family have any direct financial or business relationships with any supplier, service provider or contractor of the City of Birmingham from which you or they derive direct compensation or financial benefit? If yes, please explain: No

Do you currently have a relative serving on the board/committee to which you have applied? No

Are you an elector (registered voter) in the City of Birmingham? Yes

Charles J. McIntyre
Signature of Applicant

23-May-2018
Date

Return the completed and signed application form to: City of Birmingham, City Clerk's Office, 151 Martin, Birmingham, MI 48009 or by email to cmynsberge@bhamgov.org or by fax to 248.530.1080. Updated 8/16/17

29-May-2018

To: City of Birmingham, MI
City Clerk's Office
151 Martin
Birmingham, MI
48009

From: Charles J. McIntyre
1848 E. Melton
Birmingham, MI
48009
charlesmcintyre@oakland.edu

re: Addendum to Application for Appointment to the Greenwood Cemetery Advisory Board

I am Charles J. McIntyre and I am applying for an open position on the Greenwood Cemetery Advisory Board. My interest in this position stems from both my fondness for local history and my desire to care for public space within the community.

If accepted as a board member I would advocate to make Greenwood Cemetery a peaceful, clean and safe space for all who visit. Currently, the cemetery appears to be in generally good condition with nice plantings and a well-maintained lawn among the headstones. Some of the items that I would like to see as topics for discussion by future board members include the following:

1. Within the cemetery there's a nice sign containing a map of the cemetery and an attached small map/information box for visitors. The box is empty; it would be best to stock the box with maps and/or information brochures for visitors.
2. It appears that there's been some land erosion on the north side of the cemetery adjacent to the river. Planting trees in the space would help stabilize soil.
3. Some of the mature trees are in need of pruning to remove dead wood.
4. The trash can near the west entrance is overflowing with rubbish; it would make sense to alter the pick-up schedule so that it is emptied on a regular basis.
5. There are water spigots along the pathways that are used, I assume, for the irrigation system. One was leaking, maybe it was not fully turned off or maybe it needs repair. If repairs are needed it would make

sense to replace these spigots with low-maintenance, modern ball-valves to prevent the loss of water from the system.

6. The “State of MI Historical Marker” sign near the West entrance has been damaged by a lawn mower and needs repair.

The above items are commonsensical and may already be under consideration by the current advisory board. Addressing these matters would serve to enhance the Greenwood Cemetery environment for both current visitors and future citizens of Birmingham.

I hope that by joining the Board it will afford me an opportunity to contribute the well-being of Greenwood Cemetery as well as the greater Birmingham community.

Thank you for your consideration.

Charles J. McIntyre



OFFICE USE ONLY	
Meets Requirements?	<input checked="" type="radio"/> Yes <input type="radio"/> No
<input checked="" type="radio"/> Will Attend	<input type="radio"/> Unable to Attend

APPLICATION FOR CITY BOARD OR COMMITTEE

Thank you for your interest in serving on a Board or Committee. The purpose of this form is to provide the City Commission with basic information about applicants considered for appointment. NOTE: Completed applications are included in the City Commission agenda packets. The information included on this form is open to the public. All Board and Committee members are subject to the provisions of the Ethics Ordinance (Chapter 2, Article IX of the City Code).

Information on various Boards and Committees and a list of current openings can be found on the City website at www.bhamgov.org/boardopportunities.

(Please print clearly)

Board/Committee of Interest Greenwood Cemetery Advisory Board

Specific Category/Vacancy on Board Board Member

Name Laura Ann Schreiner

Phone 248 593 0335

Residential Address 591 Bird Avenue

Email laschreiner@yahoo.com

Residential City, Zip Birmingham, Michigan 48009

Length of Residence 15+ years

Business Address 800 West Long Lake Road, Suite 160

Occupation Attorney

Business City, Zip Bloomfield Hills, MI 48302-2057

Reason for Interest: Explain how your background and skills will enhance the board to which you have applied I grew up in (& my parents still own) a house on Lakeside; I currently live in Birmingham. I have always enjoyed Greenwood, its history/ setting, & do have a plot for future use. I have former clients that are buried in Greenwood, clients which have w/ other family members in Greenwood and have bought & sold plots for clients.

List your related employment experience Attorney (Estate Plan/Estate Administration/Tax/Real Estate) in Bloomfield Hills.

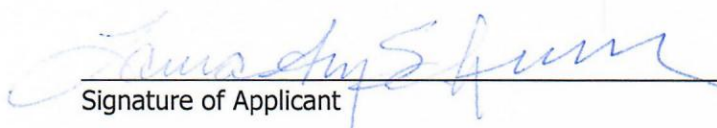
List your related community activities Greenwood Cemetery Advisory Committee then Greenwood Cemetery Advisory Board

List your related educational experience Golden Gate University, JD; University of Michigan, BS - Architecture; University of Michigan, BA - Psychology

To the best of your knowledge, do you or a member of your immediate family have any direct financial or business relationships with any supplier, service provider or contractor of the City of Birmingham from which you or they derive direct compensation or financial benefit? If yes, please explain: No

Do you currently have a relative serving on the board/committee to which you have applied? No

Are you an elector (registered voter) in the City of Birmingham? Yes


Signature of Applicant

5/27/2018

Date



RECEIVED BY

FAX

MAY 30 2018

J

CITY CLERK'S OFFICE

APPLICATION FOR CITY BOARD OR COMMITTEE

OFFICE USE ONLY
Meets Requirements? ☒ Yes ☐ NoWill Attend / ☒ Unable to Attend

May possibly attend. Won't know until Monday.

Thank you for your interest in serving on a Board or Committee. The purpose of this form is to provide the City Commission with basic information about applicants considered for appointment. NOTE: Completed applications are included in the City Commission agenda packets. The information included on this form is open to the public. All Board and Committee members are subject to the provisions of the Ethics Ordinance (Chapter 2, Article IX of the City Code).

Information on various Boards and Committees and a list of current openings can be found on the City website at www.bhamgov.org/boardopportunities.

(Please print clearly)

Board/Committee of Interest LINDA PETERSON

Specific Category/Vacancy on Board _____

Name LINDA PETERSONPhone 248-894-9016Residential Address 1532 MELTONEmail LPETERSON102@comcastResidential City, Zip B'ham 48005Length of Residence 20Business Address SAMEOccupation MARKETING

Business City, Zip _____

Reason for Interest: Explain how your background and skills will enhance the board to which you have applied _____

PASSION FOR THE CENTRAL - FATHER
BOARD & HERE. WILL BE WHERE MY Mother & 9List your related employment experience ADVERTISING / MARKETINGPromotion - RADIO & TELEVISIONList your related community activities GCAB - LocallyList your related educational experience B.S. Degree - Communication& MARKETING - WESTERN Michigan UNIV

To the best of your knowledge, do you or a member of your immediate family have any direct financial or business relationships with any supplier, service provider or contractor of the City of Birmingham from which you or they derive direct compensation or financial benefit? If yes, please explain: NO

Do you currently have a relative serving on the board/committee to which you have applied? NOAre you an elector (registered voter) in the City of Birmingham? YesSignature of Applicant [Signature]Date 5/30/18

Return the completed and signed application form to: City of Birmingham, City Clerk's Office, 151 Martin, Birmingham, MI 48009 or by email to cmvnsberge@bhamgov.org or by fax to 248.530.1080.

Updated 8/16/17



NOTICE OF INTENTION TO APPOINT TO HISTORIC DISTRICT STUDY COMMITTEE

At the regular meeting of Monday, June 4, 2018, the Birmingham City Commission intends to appoint two regular members to the Historic District Study Committee to serve three-year terms to expire June 25, 2021, one regular member to serve the remainder of a three-year term to expire June 25, 2019, and one regular member to serve the remainder of a three-year term to expire June 25, 2020.

The goal of the Historic District Study Committee is to conduct historical research regarding the proposed designation of historic landmarks or districts in the City of Birmingham.

A majority of the members shall have a clearly demonstrated interest in or knowledge of historic preservation, although city residency is not required if an expert on the potential historic district topic is not available among city residents. The committee shall include representation of at least one member appointed from one or more duly organized local historic preservation organizations. The meetings are held by resolution of the City Commission.

Interested parties may submit an application available at the City Clerk's Office on or before noon on Wednesday, May 30, 2018. Applications will appear in the public agenda at which time the commission will discuss recommendations, and may make nominations and vote on appointments.

Applicant(s) Presented For City Commission Consideration:

Applicant Name	Criteria/Qualifications
	Shall have a clearly demonstrated interest in or knowledge of historic preservation.
Evan Milan 2273 E. Maple Road, Apt. 302	B.S. in History; Volunteer at Plymouth Historical Museum; Assisted in 2007 refurbishment of Penn Theater
Gigi Debbrecht 564 Frank	Current member. Realtor dealing in vintage and historic properties.

Patricia Lang, a current member of the Committee whose term expires June 25, 2018, wishes to continue serving. She is out of town and will submit her application when she returns.

NOTE: All members of boards and commissions are subject to the provisions of City of Birmingham City Code Chapter 2, Article IX, Ethics and the filing of the Affidavit and Disclosure Statement.

SUGGESTED ACTION:

To appoint _____ to the Historic District Study Committee as a regular member to serve a three year term to expire June 25, 2021.

To appoint _____ to the Historic District Study Committee as a regular member to serve a three year term to expire June 25, 2021.

To appoint _____ to the Historic District Study Committee as a regular member to serve the remainder of a three year term to expire June 25, 2019.

To appoint _____ to the Historic District Study Committee as a regular member to serve the remainder of a three year term to expire June 25, 2020.



HISTORIC DISTRICT STUDY COMMITTEE

Goal: To conduct historical research regarding the proposed designation of historic landmarks or districts in the City of Birmingham.

The committee shall consist of seven members in addition to a city appointed liaison. A majority of the members shall have a clearly demonstrated interest in or knowledge of historic preservation, although city residency is not required if an expert on the potential historic district topic is not available among city residents. The committee shall include representation of at least one member appointed from one or more duly organized local historic preservation organizations.

Terms: three years

Meetings are held by resolution of the City Commission.

Last Name	First Name	Home Business E-Mail	Appointed	Term Expires
Beshouri	Paul	(248) 895-4576 <i>beshouri24@gmail.com</i>	12/12/2016	6/25/2019
1740 Grant				
Debbrecht	Gigi	(248) 882-9906 <i>gigi@maxbroock.com</i>	6/25/2012	6/25/2018
564 Frank				
DeWindt	Jonathan	(248) 227-1690 <i>jmdewindt@gmail.com</i>	6/12/2017	6/25/2019
1979 Fairway				
Lang	Patricia	(248) 540-0991 <i>pal.family.friends@gmail.com</i>	10/26/2009	6/25/2018
1023 Floyd				

Last Name	First Name	Home Business E-Mail	Appointed	Term Expires
VACANT				6/25/2019
VACANT			6/12/2017	6/25/2020
Xenos	Michael	(248) 496-8983	2/22/2016	6/25/2020
1116 Washington			Nat'l Trust for Historic Preservation	
		<i>mxenos@comcast.net</i>		

CITY BOARD/COMMITTEE ATTENDANCE RECORD

Board/Committee: **HDSC**

Year: **2017**

MEMBER NAME	1/26	2/9	3/28	8/24	10/19	11/16	12/7								Total Mtgs. Att.	Total Absent	Percent Attend
REGULAR MEMBERS																	
Paul Beshori	P	P	P	A	A	P	P								5	2	71%
Gigi Debbrecht	P	P	P	P	P	P	P								7	0	100%
Patricia Lang	P	P	P	P	P	P	P								7	0	100%
Michael Xenos	P	P	P	P	P	P	P								7	0	100%
Gretchen Maricak	A	A	A	NA	NA	NA	NA								0	3	0%
Jonathan DeWindt.				P	P	P	P								4	0	100%
															0	0	#DIV/0!
ALTERNATES																	
Member 1															0	0	#DIV/0!
Member 2															0	0	#DIV/0!
Members in attendance	4	4	4	4	4	5	5	0	0	0	0	0					

KEY: A = Absent
P = Present
NM = No Meeting


 Department Head Signature

CITY BOARD/COMMITTEE ATTENDANCE RECORD

Board/Committee: **Historic District Study Committee**

Year: **2016**

MEMBER NAME	Jan	Feb	Mar	Apr	5/5	June	July	Aug	Sept	Oct	Nov	Dec	Total Mtgs. Att.	Total Absent	Percent Attend
REGULAR MEMBERS															
Paul Beshouri	na	na	na	na	na	na	na	na	na	na	na	NM	0	0	#DIV/0!
Gigi Debbrecht	NM	NM	NM	NM	P	NM	NM	NM	NM	NM	NM	NM	1	0	100%
Patricia Lang	NM	NM	NM	NM	P	NM	NM	NM	NM	NM	NM	NM	1	0	100%
Gretchen Maricak	NM	NM	NM	NM	P	NM	NM	NM	NM	NM	NM	NM	1	0	100%
Michael Xenox	NM	NM	NM	NM	P	NM	NM	NM	NM	NM	NM	NM	1	0	100%
													0	0	#DIV/0!
													0	0	#DIV/0!
Reserved													0	0	#DIV/0!
Reserved													0	0	#DIV/0!
ALTERNATES															
Member 1													0	0	#DIV/0!
Member 2													0	0	#DIV/0!
Reserved													0	0	#DIV/0!
Reserved													0	0	#DIV/0!
Members in attendance	0	0	0	0	4	0	0	0	0	0	0	0			

NOTE: THE HDSC HAD ONLY
ONE MEETING DURING 2014-2016.

KEY: **A = Absent**
 P = Present
 NM = No Meeting
 na = not appointed at that time

Department Head Signature



OFFICE USE ONLY
Meets Requirements? Yes No
Will Attend Y Unable to Attend

APPLICATION FOR CITY BOARD OR COMMITTEE

Thank you for your interest in serving on a Board or Committee. The purpose of this form is to provide the City Commission with basic information about applicants considered for appointment. NOTE: Completed applications are included in the City Commission agenda packets. The information included on this form is open to the public. All Board and Committee members are subject to the provisions of the Ethics Ordinance (Chapter 2, Article IX of the City Code).

Information on various Boards and Committees and a list of current openings can be found on the City website at www.bhamgov.org/boardopportunities.

(Please print clearly)

Board/Committee of Interest Historic District Study Committee

Specific Category/Vacancy on Board Regular Member

Name Evan Milan

Phone 734-233-5911

Residential Address 2273 E Maple Rd. Apt 302

Email evanmilan93@gmail.com

Residential City, Zip Birmingham, 48009

Length of Residence 5 months

Business Address _____

Occupation Bank Teller

Business City, Zip _____

Reason for Interest: Explain how your background and skills will enhance the board to which you have applied _____
Holding a B.S. in History, with a Minor in Political Science, I beleive I have been given the education required of this committ
Additionally, i spent some time on the Student Body Goverment of EMU, preparing me for the duties required of the body.

List your related employment experience _____

List your related community activities In the summer of 2014 i spent time volunteering for the Plymouth Historical Museum.
I also assited in the 2007 refurbishment of the Penn Theator in Plymouth.

List your related educational experience I hold my Bachelor's of Science from Eastern Michigan University in History.
Additionally, i spent a semester studying history abroad at Oxford Brookes University in England.

To the best of your knowledge, do you or a member of your immediate family have any direct financial or business relationships with any supplier, service provider or contractor of the City of Birmingham from which you or they derive direct compensation or financial benefit? If yes, please explain: No

Do you currently have a relative serving on the board/committee to which you have applied? No

Are you an elector (registered voter) in the City of Birmingham? yes


Signature of Applicant

5/22/2018
Date



OFFICE USE ONLY	
Meets Requirements?	Yes No
Will Attend /	<u>Unable to Attend</u>

APPLICATION FOR CITY BOARD OR COMMITTEE

Thank you for your interest in serving on a Board or Committee. The purpose of this form is to provide the City Commission with basic information about applicants considered for appointment. NOTE: Completed applications are included in the City Commission agenda packets. The information included on this form is open to the public. All Board and Committee members are subject to the provisions of the Ethics Ordinance (Chapter 2, Article IX of the City Code).

Information on various Boards and Committees and a list of current openings can be found on the City website at www.bhamgov.org/boardopportunities.

(Please print clearly)

Board/Committee of Interest Historic District Study Committee

Specific Category/Vacancy on Board Chairman member

Name Gigi Debbrecht

Phone 248-882-9906

Residential Address 564 Frank

Email gigidebbrecht@yahoo

Residential City, Zip Birm 48009

Length of Residence 35 yrs

Business Address 275A Old WW

Occupation Realtor

Business City, Zip Birm 48009

Reason for Interest: Explain how your background and skills will enhance the board to which you have applied

on committee currently; previous owner of King Aiguo house & have

List your related employment experience have listed, sold & counseled

owners & prospective owners of vintage & historic properties in Bham & other areas

List your related community activities former Board member of CBRA

List your related educational experience UW graduate with minor in housing and interior design

To the best of your knowledge, do you or a member of your immediate family have any direct financial or business relationships with any supplier, service provider or contractor of the City of Birmingham from which you or they derive direct compensation or financial benefit? If yes, please explain: no

Do you currently have a relative serving on the board/committee to which you have applied? no

Are you an elector (registered voter) in the City of Birmingham? yes

G. Debbrecht
Signature of Applicant

5/30/18
Date



NOTICE OF INTENTION TO APPOINT TO THE MUSEUM BOARD

At the regular meeting of Monday, June 4, 2018, the Birmingham City Commission intends to appoint two regular members to the Museum Board who are also members of the Birmingham Historical Society to serve three-year terms to expire July 5, 2021.

Interested parties may submit an application available at the city clerk's office on or before noon on Wednesday, May 30, 2018. These applications will appear in the public agenda for the regular meeting at which time the commission will discuss recommendations, and may make nominations and vote on appointments.

Board Duties

The Museum Board is charged with collecting, arranging, cataloguing and preserving historical material. The board may locate and erect plaques or markers at historic sites, buildings or properties in the City of Birmingham with the consent of the owner or owners of any such property and subject to the approval of the city commission with respect to properties that, in the opinion of the board, have historic significance. Further, the board shall have the power to develop, operate and maintain the Allen House as a museum and to exercise authority, control and management over the Hunter House and John West Hunter Memorial Park.

NOTE: All members of boards and commissions are subject to the provisions of City of Birmingham City Code Chapter 2, Article IX, Ethics and the filing of the Affidavit and Disclosure Statement.

Applicant(s) Presented For City Commission Consideration:

Applicant Name	Criteria/Qualifications
	<ul style="list-style-type: none">• Shall be qualified electors of the City and members of the Birmingham Historical Society
Russell Dixon 1460 Bennaville	Resident Member of Historical Society
Tina Krizanic 2450 Northlawn Blvd.	Resident Member of Historical Society

SUGGESTED ACTION:

To appoint_____ to the Museum Board as a regular member to serve a three-year term to expire July 5, 2021.

To appoint_____ to the Museum Board as a regular member to serve a three-year term to expire July 5, 2021.



MUSEUM BOARD

Chapter 62 - Section 62-26

Terms - Three years - expiring first Monday in July

Seven Members: Six are electors and appointed by city commission
One is owner of a business and appointed by the city manager

The Museum Board is charged with collecting, arranging, cataloguing and preserving historical material. The board may locate and erect plaques or markers at historic sites, buildings or properties in the City of Birmingham with the consent of the owner or owners of any such property and subject to the approval of the city commission with respect to properties that, in the opinion of the board, have historic significance. Further, the board shall have the power to develop, operate and maintain the Allen House as a museum and to exercise authority, control and management over the Hunter House and John West Hunter Memorial Park.

Last Name	First Name	Home Business E-Mail	Appointed	Term Expires
Cunningham	James	(248) 642-0333 <i>jpc@wwrplaw.com</i>	6/12/2017 Business owner member	7/5/2019
Dixon	Russell	(248) 642-2314 <i>russswdixon@aol.com</i>	11/24/2003 Historical Society Member	7/5/2018
Eaton	Lori	(248) 797-7648 <i>lcceaton@gmail.com</i>	6/12/2017	7/5/2020
Keefer	Judith	(248) 249-0996 <i>jlw2014@gmail.com</i>	7/11/2016	7/5/2019

BIRMINGHAM HISTORICAL MUSEUM & PARK, 556 West Maple, Birmingham, MI 48009
phone: 248.530.1928 fax: 248.530.1685 www.bhamgov.org/museum
Leslie Pielack, Museum Director: lpielack@ci.birmingham.mi.us

Last Name	First Name	Home Business E-Mail	Appointed	Term Expires
Krizanic 2450 Northlawn Blvd	Tina	(248) 644-2124 <i>tkrizanic8@gmail.com</i>	1/26/2015 Historical Society Member	7/5/2018
Logue 2010 Buckingham	Marty	(248) 649-4921 <i>gtffieros@comcast.net</i>	9/26/2011 Historical Society Member	7/5/2020
Rosso 355 Columbia	Caitlin	(248) 229-4227 <i>caitlinrosso@maxbroock.com</i>	9/21/2015 Historical Society Member	7/5/2020
Tenjas 1699 Hanley Court	Joy	(248) 318-6076 <i>jhtenjas@gmail.com</i>	2/26/2018 Student Representative	12/31/2018

BIRMINGHAM HISTORICAL MUSEUM & PARK, 556 West Maple, Birmingham, MI 48009
 phone: 248.530.1928 fax: 248.530.1685 www.bhamgov.org/museum
 Leslie Pielack, Museum Director: lpielack@ci.birmingham.mi.us

CITY BOARD/COMMITTEE ATTENDANCE RECORD

Name of Board: Museum Board Year: 2018
Members Required for Quorum: 4

MEMBER NAME	JAN	JAN SPEC.	FEB	FEB 15 SPEC	FEB 20 SPEC	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	SPEC MTG	SPEC MTG	Total Mtgs. Att.	Total Absent	Percent Attended Available
REGULAR MEMBERS																				
Dixon, Russ	P	P	A	A	A	P	P	P										5	3	63%
Keefer, Judith	A	P	P	P	P	A	P	P										6	2	75%
Krizanic, Tina	A	P	P	P	P	P	P	P										7	1	88%
Logue, Marty	P	P	P	P	P	P	P	P										8	0	100%
Rosso, Caitlin	P	P	A	P	P	P	A	A										5	3	63%
Eaton, Lori	P	P	P	P	P	A	P	P										7	1	88%
Cunningham, James	P	A	P	P	A	A	P	P										5	3	63%
Reserved																				
Reserved																				
Present or Available	5	6	5	6	5	4	6	6	0	0	0	0	0	0	0	0	0			

KEY: A = Member absent
P = Member present or available
CP = Member available, but meeting canceled for lack of quorum
CA = Member not available and meeting was canceled for lack of quorum
NA = Member not appointed at that time
NM = No meeting scheduled that month
CM = Meeting canceled for lack of business items

Department Head Signature

CITY BOARD/COMMITTEE ATTENDANCE RECORD

Board/Committee: **Museum Board**

Year: **2017**

MEMBER NAME	1/5	2/2	3/2	4/6	5/11	6/15	7/13	8/3	9/7	9/21 Spec. Mtg.	10/5	11/2	12/7	Total Mtgs. Att.	Total Absent	Percent Attend
REGULAR MEMBERS																
Cristbrook, James	P	P	P	A	na	na	na	na	na	na	na	na	na	3	1	75%
Dixon, Russ	P	A	A	P	P	P	P	P	A	A	P	A	P	8	5	62%
Maricak, Gretchen	A	A	A	A	na	na	na	na	na	na	na	na	na	0	4	0%
Keefer, Judith	A	P	A	P	P	P	P	A	P	P	A	P	P	9	4	69%
Krizanic, Tina	P	P	P	P	P	P	P	P	P	P	P	P	P	13	0	100%
Logue, Marty	P	A	P	P	P	P	P	P	P	P	P	P	P	12	1	92%
Rosso, Caitlin	P	P	P	P	A	P	P	P	P	P	A	P	A	10	3	77%
Eaton, Lori	na	na	na	na	na	A	P	A	P	P	P	P	P	6	2	75%
Cunningham, James	na	na	na	na	na	P	P	P	A	P	P	A	A	5	3	63%
														0	0	#DIV/0!
														0	0	#DIV/0!
ALTERNATES																
Museum Board does not have alternate members.																
Members in attendance	5	4	4	5	4	6	7	5	5	6	5	5	5			

KEY: A = Absent

P = Present

NM = No Meeting

na = not appointed at that time

Department Head Signature

CITY BOARD/COMMITTEE ATTENDANCE RECORD

Board/Committee: Museum Board

Year: 2016

MEMBER NAME	1/7	2/4	3/3	4/7	4/27	5/5	6/2	6/22	9/1	10/6	11/10	Total Mtgs. Att.	Total Absent	Percent Attend
REGULAR MEMBERS														
Dixon	P	P	P	P	P	P	P	P	P	P	P	11	0	100%
Krizanic	P	P	P	A	P	P	A	P	P	P	P	9	2	82%
Logue	P	P	P	P	P	P	P	P	P	P	P	11	0	100%
Maricak	P	P	P	P	A	A	A	A	A	A	A	4	7	36%
Montgomery	P	P	A	P	A	P	P	P	n/a	n/a	n/a	6	2	75%
Rosso	P	P	A	P	P	P	P	A	A	P	P	8	3	73%
Wilmot	P	P	P	P	P	A	A	A	n/a	n/a	n/a	5	3	63%
Keefer	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	P	P	P	3	0	100%
Cristbrook	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	P	1	0	100%
Members in attendance	7	7	5	6	5	5	4	4	4	5	6			

KEY: A = Absent

P = Present

NM = No Meeting

N/A = Not a Member at the time

CITY BOARD/COMMITTEE ATTENDANCE RECORD

Board/Committee: Museum Board

Year: 2015

MEMBER NAME	1/8	2/5	3/5	4/2	5/7	6/4	8/6	9/3	10/8	11/5		Total Mtgs. Att.	Total Absent	Percent Attend
REGULAR MEMBERS														
Dixon	P	P	P	P	P	P	P	P	P	P		10	0	100%
Krizanic	n/a	P	A	A	P	P	A	P	P	P		6	3	67%
Logue	P	P	P	P	P	A	P	P	P	P		9	1	90%
Maricak	P	P	P	A	P	P	P	P	P	P		9	1	90%
Montgomery	n/a	P	P	P	P	A	P	P	P	P		8	1	89%
Rosso	n/a	n/a	n/a	n/a	n/a	n/a	n/a	P	P	P		3	0	100%
Wilmot	P	A	A	P	P	P	A	P	P	P		7	3	70%
O'Rourke	A	P	A	P	P	P	A	n/a	n/a	n/a		4	3	57%
Members in attendance	4	6	4	5	7	5	4	7	7	7				

KEY: A = Absent

P = Present

NM = No Meeting

N/A = Not a Member at the time

APPLICATION FOR CITY BOARD OR COMMITTEE

Thank you for your interest in serving on a Board or Committee. The purpose of this form is to provide the City Commission with basic information about applicants considered for appointment. NOTE: Completed applications are included in the City Commission agenda packets. The information included on this form is open to the public. All Board and Committee members are subject to the provisions of the Ethics Ordinance (Chapter 2, Article IX of the City Code).

Information on various Boards and Committees and a list of current openings can be found on the City website at www.bhamgov.org/boardopportunities.

(Please print clearly)

Board/Committee of Interest Museum Board

Specific Category/Vacancy on Board Reappointment

Name Russell Dixon

Phone (248) 642-2314

Residential Address 1460 Bennaville Avenue

Email RussWDixon@aol.com

Residential City, Zip Birmingham, MI 48009

Length of Residence 54 years

Business Address _____

Occupation Architect

Business City, Zip _____

Reason for Interest: Explain how your background and skills will enhance the board to which you have applied Continued engagement in guiding this community resource.

List your related employment experience Carl Luckenbach, Robert Ziegelman, & Gunnar Birkerts

List your related community activities from 1977: Historic District Commission, Board of Zoning Appeals, City Commission, Mayor Pro-Tem, Mayor, Historic District Study Committee, Museum Board.

List your related educational experience Taliesin Fellowship of the Frank Lloyd Wright Foundation, M/Arch, U/Michigan

To the best of your knowledge, do you or a member of your immediate family have any direct financial or business relationships with any supplier, service provider or contractor of the City of Birmingham from which you or they derive direct compensation or financial benefit? If yes, please explain: No.

Do you currently have a relative serving on the board/committee to which you have applied? No.

Are you an elector (registered voter) in the City of Birmingham? Yes

Russell Dixon
Signature of Applicant

May 29, 2018
Date



RECEIVED BY

MAY 30 2018

OFFICE USE ONLY	
Meets Requirements?	<input checked="" type="radio"/> Yes <input type="radio"/> No
<input checked="" type="radio"/> Will Attend	<input type="radio"/> Unable to Attend

APPLICATION FOR CITY BOARD OR COMMITTEE

CITY CLERK'S OFFICE

Thank you for your interest in serving on a Board or Committee. The purpose of this form is to provide the City Commission with basic information about applicants considered for appointment. NOTE: Completed applications are included in the City Commission agenda packets. The information included on this form is open to the public. All Board and Committee members are subject to the provisions of the Ethics Ordinance (Chapter 2, Article IX of the City Code).

Information on various Boards and Committees and a list of current openings can be found on the City website at www.bhamgov.org/boardopportunities.

(Please print clearly)

Board/Committee of Interest Museum Board

Specific Category/Vacancy on Board Regular Member

Name Tina Krizanic

Phone (313) 701-1895

Residential Address 2450 Northlawn Blvd.

Email tkrizanic8@gmail.com

Residential City, Zip Birmingham 48009

Length of Residence 28 years

Business Address 17152 Kercheval Ave.

Occupation CPA

Business City, Zip Grosse Pointe Farms 48320

Reason for Interest: Explain how your background and skills will enhance the board to which you have applied I am currently the Chairperson of the Museum Board and have served for 3 1/2 yrs. I would like to be involved in the further development of projects in process, such as the Bicentennial and the Master Landscape Plan.

List your related employment experience I have been employed as a CPA for the Shelden Office and The Elizabeth, Allan and Warren Shelden Foundation for 28 years.

List your related community activities Friends of the Birmingham Museum member

List your related educational experience Bachelors of Business Administration (BBA) from University of Michigan - Dearborn

To the best of your knowledge, do you or a member of your immediate family have any direct financial or business relationships with any supplier, service provider or contractor of the City of Birmingham from which you or they derive direct compensation or financial benefit? If yes, please explain: No

Do you currently have a relative serving on the board/committee to which you have applied? No

Are you an elector (registered voter) in the City of Birmingham? Yes

Tina M. Krizanic
Signature of Applicant

5/29/18
Date



NOTICE OF INTENTION TO APPOINT TO BOARD OF BUILDING TRADES APPEAL

At the regular meeting of Monday, May 14, 2018 the Birmingham City Commission intends to appoint to the Board of Building Trades Appeals two regular members to serve three-year terms to expire May 23, 2021, and one regular member to serve the remainder of a three-year term to expire May 23, 2019. Applicants shall be qualified by experience or training.

Interested citizens may submit an application available at the City Clerk's office or online at www.bhamgov.org/boardopportunities. Applications must be submitted to the City Clerk's office on or before noon on Wednesday, May 9, 2018. These documents will appear in the public agenda for the regular meeting at which time the City Commission will discuss recommendations, and may make nominations and vote on appointments.

The Board of Building Trades Appeal hears and grants or denies requests for variances from strict application of the provisions of the Michigan Building, Residential, Mechanical and Plumbing Codes and the National Electrical Code. The board will decide on matters pertaining to specific code requirements related to the construction or materials to be used in the erection, alteration or repair of a building or structure.

NOTE: Attendance records are not included in this report because the Board has not met since before 2015.

Applicant(s) Presented For City Commission Consideration:

Applicant Name	Criteria/Qualifications
	Applicants shall be qualified by experience or training.
Bradley Klein	Electrician

NOTE: All members of boards and commissions are subject to the provisions of City of Birmingham City Code Chapter 2, Article IX, Ethics and the filing of the Affidavit and Disclosure Statement.

SUGGESTED ACTION:

To appoint _____ to the Board of Building Trades Appeals as a regular member to serve the remainder of a three-year term to expire May 23, 2019.



BOARD OF BUILDING TRADES APPEALS

Chapter 22, Article II, 1972 PA 230, MCL 125.1514

Members shall be qualified by experience or training (such as Architect, Engineer, Mechanical Engineer, Building Contractor, Electrical Contractor, Plumbing Contractor, Heating Contractor, and Refrigeration Contractor).

Term: Three years – 6 members

The Board of Building Trades Appeal hears and grants or denies requests for variances from strict application of the provisions of the Michigan Building, Residential, Mechanical and Plumbing Codes and the National Electrical Code. The board will decide on matters pertaining to specific code requirements related to the construction or materials to be used in the erection, alteration or repair of a building or structure.

Last Name	First Name	Home Business	E-Mail	Appointed	Term Expires
Force	David	(248) 644-1724		12/11/2006	5/23/2018
1099 N. Cranbrook				Building Contractor	
Bloomfield Hills	48301		<i>force0621@ameritech.net</i>		
Mando	Dennis	(248) 767-0515		1/30/2006	5/23/2020
5310 Heron Cove		(248) 669-4338		Heating Contractor	
Beaverton	48612		<i>denny@dennysonline.com</i>		
Stahelin	Benjamin	(248) 210-7764		2/22/2016	5/23/2020
1832 East Lincoln					
Birmingham	48009		<i>stahelinbenjamin@gmail.com</i>		
VACANT					5/23/2019
White	Ronald	(248) 543-5532		7/15/1991	5/23/2018
1898 Tahquamenon		(810) 543-5532		Electrical Contractor	
Bloomfield Hills	48302		<i>offices@rdwhiteco.com</i>		



RECEIVED BY

APR 3 2018

CITY CLERK'S OFFICE
CITY OF BIRMINGHAM**OFFICE USE ONLY**
Meets Requirements? ☒ Yes ☐ No
☒ Will Attend ☐ Unable to Attend**APPLICATION FOR CITY BOARD OR COMMITTEE**

Thank you for your interest in serving on a Board or Committee. The purpose of this form is to provide the City Commission with basic information about applicants considered for appointment. NOTE: Completed applications are included in the City Commission agenda packets. The information included on this form is open to the public. All Board and Committee members are subject to the provisions of the Ethics Ordinance (Chapter 2, Article IX of the City Code).

Information on various Boards and Committees and a list of current openings can be found on the City website at www.bhamgov.org/boardopportunities.

(Please print clearly)

Board/Committee of Interest Construction Review Board (Board of Building Trades Appeal)

Specific Category/Vacancy on Board _____

Name Bradley H. KleinPhone (248) 863-6302 (Cell)Residential Address 5063 Parkside DriveEmail bklein@kleinelectric.netResidential City, Zip West Bloomfield, MI 48323Length of Residence 7 YearsBusiness Address 24565 Hallwood Ct.Occupation ElectricianBusiness City, Zip Farmington Hills, MI 48335Reason for Interest: Explain how your background and skills will enhance the board to which you have applied _____
An opening became available and a colleague of mine suggested me because of my interest in the application of codes.List your related employment experience Familiar with installation of electrical in both residential and commercial installations and provide consulting services for repairs in the insurance restoration business.

List your related community activities _____

List your related educational experience Bachelor of Science, Psychology from The University of Michigan, Ann Arbor
State of Michigan Master Electrician, State of Michigan Electrical Contractor

To the best of your knowledge, do you or a member of your immediate family have any direct financial or business relationships with any supplier, service provider or contractor of the City of Birmingham from which you or they derive direct compensation or financial benefit? If yes, please explain: NO

Do you currently have a relative serving on the board/committee to which you have applied? NOAre you an elector (registered voter) in the City of Birmingham? NO

Signature of Applicant

April 3, 2018
Date

Return the completed and signed application form to: City of Birmingham, City Clerk's Office, 151 Martin, Birmingham, MI 48009 or by email to cmvnsberge@bhamgov.org or by fax to 248.530.1080.

Updated 8/16/17

BIRMINGHAM CITY COMMISSION MINUTES
MAY 24, 2018
MUNICIPAL BUILDING, 151 MARTIN
7:30 P.M.

I. CALL TO ORDER AND PLEDGE OF ALLEGIANCE

Mayor Harris called the meeting to order at 7:30 p.m.

II. ROLL CALL

ROLL CALL: Present,	Mayor Harris Mayor Pro Tem Bordman Commissioner Boutros Commissioner Hoff Commissioner Nickita Commissioner Sherman
Absent,	Commissioner DeWeese

Administration: City Manager Valentine, City Attorney Currier, Police Chief Clemence, Finance Director Gerber, City Clerk Mynsberge, Human Resources Manager Taylor

III. PROCLAMATIONS, CONGRATULATORY RESOLUTIONS, AWARDS, APPOINTMENTS, RESIGNATIONS AND CONFIRMATIONS, ADMINISTRATION OF OATHS, INTRODUCTION OF GUESTS AND ANNOUNCEMENTS.

05-147-18 ANNOUNCEMENTS

Oakland County Commissioner Taub reported the County offers free housing counseling to anyone buying a home. For more information 248-858-1891.

Mayor Harris announced:

- The annual observance of Memorial Day in Shain Park will take place on Monday, May 28 at 10:00 a.m. The program includes addresses by the Mayor and State Representative, patriotic music, and introduction of veterans.
- The 80th birthday of Frank Konjarvitz, one of Birmingham's longtime business operators. Mr. Konjarvich, owner of Frank's Shoe Repair Service on S. Old Woodward, opened his business in Birmingham in 1959 and has been a downtown staple for nearly 60 years. The Commission wished Frank a very happy birthday and continued success with his store.

IV. CONSENT AGENDA

All items listed on the consent agenda are considered to be routine and will be enacted by one motion and approved by a roll call vote. There will be no separate discussion of the items unless a commissioner or citizen so requests, in which event the item will be removed from the general order of business and considered under the last item of new business.

05-148-18 APPROVAL OF CONSENT AGENDA

The following items were removed from the Consent Agenda:

- Commissioner Hoff: Item D, Traffic Logix Speed Trailer Purchase

MOTION: Motion by Commissioner Sherman, seconded by Mayor Pro Tem Bordman: To approve the Consent Agenda, with Item D removed, and with special recognition and thanks to Peter Lyon and George Abraham.

ROLL CALL VOTE:	Yeas,	Mayor Harris Mayor Pro Tem Bordman Commissioner Boutros Commissioner Hoff Commissioner Nickita Commissioner Sherman
	Nays,	None
	Absent,	Commissioner DeWeese

- A. Resolution approving the City Commission meeting minutes of May 14, 2018.
- B. Resolution approving the warrant list, including Automated Clearing House payments, dated May 16, 2018 in the amount of \$178,215.44.
- C. Resolution approving the 2018 Michigan Medical Marijuana Operation and Oversight Grant Subrecipient Agreement between the City of Birmingham and Oakland County. Further, authorizing the Mayor to sign the agreement on behalf of the City.
- E. Resolution appointing City Manager Joseph A. Valentine as Representative and DPS Director Lauren Wood as Alternate Representative for the City of Birmingham, on the SOCRRA Board of Trustees for the fiscal year starting July 1, 2018.
- F. Resolution appointing City Engineer Paul T. O'Meara, as representative, and Austin Fletcher, Assistant City Engineer, as alternate representative, for the City of Birmingham, on the Southeastern Oakland County Water Authority Board of Trustees for the period starting July 1, 2018.
- G. Resolution accepting the resignation of Peter Lyon from the Board of Zoning Appeals as a Regular Member, thanking him for his service, and directing the City Clerk to begin the process of filling the vacancy.
- H. Resignation accepting the resignation of George Abraham from the Cablecasting Board as an Alternate Member, thanking him for his service, and directing the City Clerk to begin the process of filling the vacancy.
- I. Resolution awarding the Birkerts Roof Replacement at the Baldwin Public Library contract to Butcher & Butcher Co., Inc. in an amount not to exceed \$138,819.00 and authorizing the Mayor and City Clerk to sign the agreement for these services.
- J. Resolution setting Monday, June 25, 2018 at 7:30 PM for a public hearing to consider a Special Land Use Permit & Final Site Plan Review for 191 N. Chester – The Jeffrey, to allow office use over 3,000 sf. Ft.
- K. Resolution approving the service agreement with Next in the amount of \$104,800 for services described in Attachment A of the agreement for fiscal year 2018-2019, account number 101-299.000-811.0000, and further directing the Mayor and City Clerk to sign the agreement on behalf of the City.

- L. Resolution approving the outside agency service agreements for services described in Attachment A of the agreement for fiscal year 2018-19 with Birmingham Youth Assistance in the amount of \$18,000, Common Ground in the amount of \$1,500 and HAVEN in the amount of \$2,000 from account number 101-301.000-811.0000, further directing the Mayor and City Clerk to sign the agreements on behalf of the city.
- M. Resolution approving a request submitted by Woodward Camera requesting permission to place one tent in the parking area in front of 33501 Woodward Ave on August 18, 2018, contingent upon compliance with all permit and insurance requirements and payment of all fees and, further pursuant to any minor modifications that may be deemed necessary by administrative staff at the time of the event.

05-149-18 TRAFFIC LOGIX SPEED TRAILER PURCHASE (ITEM D)

Police Chief Clemence explained that this is a trailer with a message board to advise drivers about their driving speed. This is part of a general effort to respond to citizens' concerns about speeding on Birmingham streets.

MOTION: Motion by Commissioner Hoff, seconded by Commissioner Boutros:

To approve the purchase of (1) Traffix Logix SafePace 800 speed display sign trailer in the amount of \$12,572.12 from Enforcement Products, Inc.; further authorizing this budgeted expenditure from account number 202-303.001-971.0100.

VOTE: Yeas, 6
 Nays, 0
 Absent, 1 (DeWeese)

V. UNFINISHED BUSINESS

None.

VI. NEW BUSINESS

05-150-18 CHANGES TO 2018-2019 RECOMMENDED BUDGET AND 2018-2019 BUDGET APPROPRIATIONS RESOLUTION

Finance Director Gerber presented his May 17 memorandum to City Manager Valentine regarding changes to the 2018-2019 Recommended Budget and the 2018-2019 Budget Appropriations Resolution.

Finance Director Gerber explained that the recommended security costs for the 48th District Court were not included in the proposed budget. He continued that the City would add those costs via budget amendment to either the current or the upcoming fiscal year.

City Manager Valentine clarified:

- Once the 48th District Court sends Birmingham the final requested amount for security provisions, the City will adjust its budget with an amendment.
- At this time, there is a possibility that Bloomfield Township will pay the initial amount the Court requests, with an agreement that the other involved municipalities will pay the Township back for their respective portions. This will be agreed to or not by the involved municipalities before it moves forward.

Finance Director Gerber said in the Budget Appropriations Resolution:

- "Contributions from Other Funds" are instances where other City funding sources, such as the golf course, reimburse the City.
- "Draw from Fund Balance" are instances where expenditures are greater than revenue and additional funds will be drawn from the fund balance to cover the difference.

MOTION: Motion by Commissioner Hoff, seconded by Mayor Pro Tem Bordman:
To approve the budget appropriations resolution adopting the City of Birmingham's budget and establishing the total number of mills for ad valorem property taxes to be levied for the fiscal year commencing July 1, 2018 and ending June 30, 2019. (*Formal resolution appended to these minutes as Attachment A.*)

VOTE: Yeas, 6
 Nays, 0
 Absent, 1 (DeWeese)

05-151-18 CITY COMMISSION CONSIDERATION OF BIRMINGHAM FIREFIGHTERS ASSOCIATION GRIEVANCE

Human Resources Manager Taylor presented the May 14 memorandum to City Manager Valentine regarding this matter.

MOTION: Motion by Commissioner Sherman, seconded by Commissioner Nickita:
To waive consideration of the Birmingham Firefighters Association Local 911 grievance of March 5, 2018.

VOTE: Yeas, 6
 Nays, 0
 Absent, 1 (DeWeese)

VII. REMOVED FROM THE CONSENT AGENDA

Items removed from the consent agenda were discussed earlier in the meeting.

VIII. COMMUNICATIONS

None.

IX. OPEN TO THE PUBLIC FOR MATTERS NOT ON THE AGENDA

None.

X. REPORTS

05-152-18 COMMISSIONER REPORTS

The City Commission will appoint one regular member to the Board of Zoning Appeals on July 9, 2018.

The City Commission will appoint one alternate member to the Cablecasting Board on July 9, 2018.

The City Commission will appoint two resident members to the Ad Hoc Master Plan Selection Committee on June 25, 2018.

05-153-18 COMMISSIONER COMMENTS

Commissioner Hoff commended the volunteers and police personnel who participated in the 2018 Parkinson's Foundation Walk, citing a great improvement over last year's walk.

Mayor Pro Tem Bordman attended two classes at NEXT. One was an active shooter training conducted by Police Commander Grewe, for which Mayor Pro Tem Bordman had high praise. The second was an Introduction to the Adult Fitness Equipment at NEXT. She said this was also very good. Mayor Pro Tem Bordman concluded by asking people to pay attention to mosquito control by eliminating standing water.

Commissioner Nickita attended the annual Congress for New Urbanism conference, held in Savannah this year. Of particular interest were strategies for making downtown housing more affordable, which included institution of parking requirements, and the maintaining the health of downtown retail, which included using zoning and design to have a beneficial effect on downtowns.

05-154-18 CITY STAFF

The Commission received the 3rd Quarter Financial Report, submitted by Finance Director Gerber.

The Commission received the 3rd Quarter Investment Report, submitted by Finance Director Gerber.

XI. ADJOURN

Mayor Harris adjourned the meeting at 7:55 p.m.

J. Cherilynn Mynsberge, City Clerk

BUDGET APPROPRIATIONS RESOLUTION

WHEREAS, the City Manager has submitted the proposed 2018-2019 Budget, and;

WHEREAS, the City Commission has reviewed the 2018-2019 Budget, and;

WHEREAS, the City Commission has held a Public Hearing on the 2018-2019 Budget; and

WHEREAS, Chapter VII, Section 14 of the Birmingham City Charter requires that the City Commission pass an annual appropriations resolution.

NOW THEREFORE, BE IT RESOLVED, that the City Commission does hereby adopt the following estimated revenues for the City of Birmingham for the fiscal year commencing July 1, 2018, and ending June 30, 2019:

GENERAL FUND:

Taxes	\$ 24,941,490
Licenses & Permits	3,173,150
Intergovernmental Revenue	2,130,740
Charges for Services	3,356,410
Fines & Forfeitures	1,838,990
Interest & Rent	398,230
Other Revenue	536,410
Contributions from Other Funds	<u>100,000</u>
Total General Fund	\$ 36,475,420

MAJOR STREETS FUND:

Intergovernmental Revenue	\$ 1,205,910
Interest & Rent	12,980
Other Revenue	1,850
Contributions from Other Funds	<u>2,500,000</u>
Total Major Streets Fund	\$ 3,720,740

LOCAL STREETS FUND:

Intergovernmental Revenue	\$ 492,550
Interest & Rent	35,030
Other Revenue	644,970
Contributions from Other Funds	<u>2,500,000</u>
Total Local Streets Fund	\$ 3,672,550

COMMUNITY DEVELOPMENT BLOCK GRANT FUND:

Intergovernmental Revenue	<u>\$ 32,020</u>
Total Community Development Block Grant Fund	\$ 32,020

SOLID WASTE DISPOSAL FUND:

Taxes	\$ 1,875,000
Intergovernmental	4,450
Charges for Services	17,600
Interest	20,890
Draw from Fund Balance	<u>78,370</u>
Total Solid Waste Disposal Fund	\$ 1,996,310

LAW AND DRUG ENFORCEMENT FUND:

Fines & Forfeitures	\$ 35,000
Interest	1,620
Draw from Fund Balance	<u>26,200</u>
Total Law and Drug Enforcement Fund	\$ 62,820

DEBT SERVICE FUND:

Taxes	\$ 1,579,260
Intergovernmental	3,950
Interest	<u>4,290</u>
Total Debt Service Fund	\$ 1,587,500

GREENWOOD CEMETERY PERPETUAL CARE FUND:

Charges for Services	\$ 80,000
Interest	<u>12,000</u>
Total Greenwood Cemetery Perpetual Care Fund	\$ 92,000

PRINCIPAL SHOPPING DISTRICT FUND:

Special Assessments	\$ 897,300
Interest	6,390
Other Revenue	190,000
Draw from Fund Balance	<u>116,300</u>
Total Principal Shopping District Fund	\$ 1,209,990

BALDWIN LIBRARY FUND:

Taxes	\$ 3,234,870
Intergovernmental Revenue	1,001,380
Charges for Services	82,600
Interest	<u>36,920</u>
Total Baldwin Library Fund	\$ 4,355,770

BROWNFIELD REDEVELOPMENT AUTHORITY FUND:

Taxes	\$ 609,040
Charges for Services	1,500
Interest	1,620
Other Revenue	<u>20,000</u>
Total Brownfield Redevelopment Authority Fund	\$ 632,160

TRIANGLE DISTRICT CORRIDOR IMPROVEMENT AUTHORITY FUND:

Interest	\$ 290
Total Triangle District Corridor Improvement Authority Fund	\$ 290

CAPITAL PROJECTS FUND:

Intergovernmental Revenue	\$ 23,990
Interest	16,030
Other Revenue	333,000
Contribution from Other Funds	<u>1,031,000</u>
Total Capital Projects Fund	\$ 1,404,020

AUTOMOBILE PARKING SYSTEM FUND:

Charges for Services	\$ 8,097,810
Interest	<u>224,480</u>
Total Automobile Parking System Fund	\$ 8,322,290

WATER-SUPPLY SYSTEM RECEIVING FUND:

Taxes	\$ 750,000
Charges for Services	4,761,190
Interest	24,040
Draw from Net Position	<u>95,000</u>
Total Water-Supply System Fund	\$ 5,630,230

SEWAGE DISPOSAL FUND:

Taxes	\$ 1,632,290
Intergovernmental Revenue	227,710
Charges for Services	8,836,300
Interest	85,230
Contributions from Other Funds	<u>775,000</u>
Total Sewage Disposal Fund	\$ 11,556,530

LINCOLN HILLS GOLF COURSE:

Charges for Services	\$ 702,600
Interest	46,920
Other Revenue	<u>200</u>
Total Lincoln Hills Golf Course Fund	\$ 749,720

SPRINGDALE GOLF COURSE:

Charges for Services	\$ 495,930
Interest & Rent	19,200
Other Revenue	200
Draw from Net Position	<u>41,860</u>
Total Springdale Golf Course Fund	\$ 557,190

COMPUTER EQUIPMENT FUND:

Charges for Services	596,870
Interest	14,410
Other Revenue	3,000
Draw from Net Position	<u>380,600</u>
Total Computer Equipment Fund	\$ 994,880

AND, BE IT FURTHER RESOLVED, that the City Commission does hereby adopt on a budgetary center basis the following expenditures for 2018-2019:

GENERAL FUND:

General Government	\$ 5,959,170
Public Safety	13,666,220
Community Development	3,437,110
Engineering & Public Services	4,902,770
Transfers Out	<u>8,510,150</u>
Total General Fund	\$ 36,475,420

MAJOR STREETS FUND:

Maintenance of Streets and Bridges	\$ 454,580
Street Cleaning	156,840
Street Trees	255,670
Traffic Controls & Engineering	405,350
Snow and Ice Removal	322,820
Administrative	18,980
Capital Outlay-Engineering and Construction of Roads and Bridges	1,209,770
Contribution to Fund Balance	<u>896,730</u>
Total Major Streets Fund	\$ 3,720,740

LOCAL STREETS FUND:

Maintenance of Streets and Bridges	\$ 1,063,190
Street Cleaning	178,580
Street Trees	517,350
Traffic Controls & Engineering	70,020
Snow and Ice Removal	181,670
Administrative	26,730
Capital Outlay-Engineering and Construction of Roads and Bridges	1,294,270
Contribution to Fund Balance	<u>340,740</u>
Total Local Streets Fund	\$ 3,672,550

COMMUNITY DEVELOPMENT BLOCK GRANT FUND:

\$ 32,020

SOLID WASTE DISPOSAL FUND:

Personnel Services	\$ 162,820
Supplies	12,000
Other Charges	1,806,490
Capital Outlay	<u>15,000</u>
Total Solid Waste Disposal Fund	\$ 1,996,310

LAW AND DRUG ENFORCEMENT FUND: \$ 62,820

DEBT SERVICE FUND:

Debt Service	\$ 1,584,000
Contribution to Fund Balance	<u>3,500</u>
Total Debt Service Fund	\$ 1,587,500

PRINCIPAL SHOPPING DISTRICT FUND: \$ 1,209,990

BALDWIN LIBRARY FUND:

Expenditures	\$ 3,729,790
Contribution to Fund Balance	<u>625,980</u>
Total Baldwin Library Fund	\$ 4,355,770

BROWNFIELD REDEVELOPMENT AUTHORITY FUND:

Expenditures	\$ 531,760
Contribution to Fund Balance	<u>100,400</u>
Total Brownfield Redevelopment Authority Fund	\$ 632,160

CAPITAL PROJECTS FUND:

Expenditures	\$ 1,299,000
Contribution to Fund Balance	<u>105,020</u>
Total Capital Projects Fund	\$ 1,404,020

AUTOMOBILE PARKING SYSTEM FUND:

Expenses	\$ 6,287,850
Contribution to Net Position	<u>2,034,440</u>
Total Automobile Parking System Fund	\$ 8,322,290

WATER-SUPPLY SYSTEM RECEIVING FUND: \$ 5,630,230

SEWAGE DISPOSAL SYSTEM FUND:

Expenses	\$ 10,837,820
Contributions to Net Position	<u>718,710</u>
Total Sewage Disposal System Fund	\$ 11,556,530

LINCOLN HILLS GOLF COURSE:

Expenses	\$ 730,510
Contribution to Net Position	<u>19,210</u>
Total Lincoln Hills Golf Course	\$ 749,720

SPRINGDALE GOLF COURSE:

\$ 557,190

COMPUTER EQUIPMENT FUND:

\$ 994,880

BE IT FURTHER RESOLVED that the budget summary above be approved as the 2018-2019 City Budget and that this resolution shall be known as the City of Birmingham 2018-2019 General Appropriations Act.

BE IT FURTHER RESOLVED that the City Commission does hereby designate \$26,225,780 to be raised by 11.2099 mills levied for General Purposes on the taxable valuation of all real and personal property subject to taxation in the City.

BE IT FURTHER RESOLVED that the City Commission does hereby designate \$3,249,870 to be raised by 1.3891 mills levied for Library Operations on the taxable valuation of all real and personal property subject to taxation in the City

BE IT FURTHER RESOLVED that the City Commission does hereby designate \$2,628,260 to be raised by 1.1116 mills levied for Debt Service Requirements on the taxable valuation of all real and personal property subject to taxation in the City.

BE IT FURTHER RESOLVED that the City Commission does hereby designate \$1,880,000 to be raised by 0.8036 mills levied on the taxable valuation of all real and personal property subject to taxation in the City for the purpose of the collection and removal of garbage and trash of the City as authorized by MCL 123.261, et. seq.

BE IT FURTHER RESOLVED that the City Manager is hereby authorized to make budgetary transfers within the budgetary centers established through the adoption of this budget, and that all transfers between budgetary centers may be made only by further action of the City Commission pursuant to the provisions of the Michigan Uniform Accounting and Budgeting Act.

BE IT FURTHER RESOLVED that the 2018-2019 budget shall be automatically amended on July 1, 2018, to re-appropriate encumbrances outstanding and reserved at June 30, 2018.

BE IT FINALLY RESOLVED that the City Treasurer be authorized to add to all taxes paid after August 31, 2018, three-fourths of one percent (3/4 of 1%) penalty each and every month, or fraction thereof, that remains unpaid. On all taxes paid after February 14, 2019, and through February 28, 2019, there shall be added a late penalty charge equal to three percent (3%) of such tax.

I, J. Cherilynn Mynsberge, City Clerk of the City of Birmingham, do hereby certify that the above is a true and correct copy of a resolution adopted by the Birmingham City Commission at the regular meeting of May 24, 2018.

J. Cherilynn Mynsberge, City Clerk

City of Birmingham
Warrant List Dated 05/23/2018

Meeting of 06/04/2018

Check Number	Early Release	Vendor #	Vendor	Amount
258287		MISC	4 WAY CEMENT	200.00
258288	*	008412	400 S. OLD WOODWARD, LLC	49,699.10
258289		MISC	420 E FRANK ST LLC	20,000.00
258290	*	002397	43RD DISTRICT COURT	600.00
258291	*	000855	48TH DISTRICT COURT	100.00
258292	*	000855	48TH DISTRICT COURT	100.00
258293	*	000855	48TH DISTRICT COURT	100.00
258294	*	000855	48TH DISTRICT COURT	100.00
258295	*	000855	48TH DISTRICT COURT	250.00
258296		007288	ABC HARLEY-DAVIDSON INC.	351.59
258298		008106	ACUSHNET COMPANY	442.12
258299		006054	AGROSCAPING, INC.	8,250.00
258300		007013	AHEAD USA LLC	288.83
258301		005376	ALLEN AUDIO SYSTEM, LLC	900.00
258302		MISC	AMJ COSNTRUCTION	100.00
258303		000167	ANDERSON ECKSTEIN WESTRICK INC	1,150.00
258304	*	008655	ANGELO IAFRATE CONSTRUCTION	1,530,689.61
258305		MISC	ANTO GLASS BLOCK INC	100.00
258306		007033	APPLIED IMAGING	2,435.27
258307		000500	ARTECH PRINTING INC	488.00
258308		007479	ASB DISTRIBUTORS	42.60
258309	*	002342	ASTREIN'S	350.00
258310	*	006759	AT&T	696.70
258311	*	006759	AT&T	1,159.85
258312	*	006759	AT&T	215.40
258313	*	006759	AT&T	153.19
258314	*	006759	AT&T	67.30
258315	*	006759	AT&T	258.56
258316	*	006759	AT&T	64.88
258320		003012	BATTERIES PLUS	53.29
258321	*	000517	BEIER HOWLETT P.C.	41,288.00
258323	*	008706	CITY OF BIRMINGHAM #232	194,076.62
258324	*	001441	BIRMINGHAM CONCERT BAND	350.00
258326	*	001086	CITY OF BIRMINGHAM	358.97
258327	*	001086	CITY OF BIRMINGHAM	819.85
258329		MISC	BLUE-CHIP BUILDERS INC	657.39
258330		007365	BSN SPORTS	100.00
258331	*	006177	BULLSEYE TELECOM INC	109.83
258333	*	008589	C & J BARK HAULERS	2,495.00
258334		003907	CADILLAC ASPHALT, LLC	5,452.29
258335		001458	CALLAGHAN PROMOTIONS	539.00
258336		008385	CALLAWAY GOLF	327.15
258338		008035	CAPITAL ONE COMMERCIAL	12.56

City of Birmingham
Warrant List Dated 05/23/2018

Meeting of 06/04/2018

Check Number	Early Release	Vendor #	Vendor	Amount
258339		MISC	CAPPUSO GUTTERS SIDING & ROOFI	100.00
258340	*	008067	CAREERBUILDER GOVERNMENT SOLUTIONS	650.00
258341	*	000444	CDW GOVERNMENT INC	267.80
258342		MISC	CEDAR RESTORATION INC	300.00
258344		000605	CINTAS CORPORATION	13.64
258345	*	008006	CLEAR RATE COMMUNICATIONS, INC	2,743.62
258346		001318	CLOVERDALE EQUIPMENT CO	1,495.00
258347		004188	COFFEE BREAK SERVICE, INC.	78.00
258348		000979	COMERICA BANK	4,035.38
258349		002668	CONTRACTORS CLOTHING CO	709.60
258350		MISC	D'AGOSTINO, MASSIMO C	100.00
258352		008005	DE LAGE LANDEN FINANCIAL SVCS INC	173.75
258353		003120	CITY OF DEARBORN	30.00
258354		000177	DELWOOD SUPPLY	171.59
258355	*	006999	CHRISTOPHER DEMAN	642.50
258357		MISC	DIAL CONTRACTING	2,500.00
258358		MISC	DIANE MORRIS MCSHANE	1,000.00
258359		MISC	DONALD ETTORE HENDERSON	200.00
258360		000565	DORNBOS SIGN & SAFETY INC	1,036.30
258361	*	000180	DTE ENERGY	47,260.08
258362		001077	DUNCAN PARKING TECH INC	5,497.57
258363		MISC	EFRAIN LEYVA	100.00
258364		000196	EJ USA, INC.	1,476.92
258365		006876	ENFORCEMENT PRODUCTS INC	2,965.00
258366		000995	EQUATURE	8,097.51
258367		001495	ETNA SUPPLY	2,400.00
258368		MISC	EXCLUSIVE CUSTOM HOMES	2,500.00
258369		008495	FALCON ASPHALT REPAIR EQUIPMENT	1,562.71
258370		008456	MARK FARNSWORTH	3,480.00
258371		000936	FEDEX	32.85
258372		MISC	FERICH, STEVEN P	100.00
258373		006181	FIRST CHOICE COFFEE SERV	331.40
258374		MISC	FORTRESS HOME IMPROVEMENT	100.00
258375		007807	G2 CONSULTING GROUP LLC	22,752.50
258376		MISC	GARDNER SIGNS INC	200.00
258377		000223	GASOW VETERINARY	185.50
258378		006384	GEOGRAPHIC INFORMATION SERVICES, IN	266.15
258379	*	004604	GORDON FOOD	2,022.09
258380		000243	GRAINGER	84.39
258381		008293	GRAINGER	249.86
258382		MISC	GREAT LAKES CUSTOM BUILDER LLC	1,100.00
258383		MISC	GREAT LAKES ROOFING, INC	400.00
258384		003870	GREAT LAKES TURF, LLC	3,429.50

City of Birmingham
Warrant List Dated 05/23/2018

Meeting of 06/04/2018

Check Number	Early Release	Vendor #	Vendor	Amount
258386		000249	GUARDIAN ALARM	224.03
258387		001531	GUNNERS METER & PARTS INC	280.00
258388		MISC	HANDY ANDY REMODELING	200.00
258389		MISC	HANSONS ADMINISTRATIVE GROUP LLC	500.00
258390		006153	HARRY'S ARMY SURPLUS	130.00
258391		006845	HAWTHORNE	500.01
258392		001672	HAYES PRECISION INC	30.50
258393		001836	HISTORICAL SOCIETY OF MICHIGAN	65.00
258395		MISC	HOME RENEWAL SYSTEMS LLC	8,400.00
258396		007690	HORTMARK	1,978.16
258397		000331	HUBBELL ROTH & CLARK INC	75,219.06
258398		006416	HUNTINGTON WOODS POOLS & SPAS, INC	42.98
258399		000342	IBS OF SE MICHIGAN	115.90
258401		007035	INNOVATIVE OFFICE TECHNOLOGY GROUP	847.66
258402		MISC	INSIDE THE TAPE	295.00
258403		000261	J.H. HART URBAN FORESTRY	32,969.82
258404		MISC	JANICE MORSE	300.00
258405		MISC	JASON DELONG	100.00
258406		003823	JAY'S SEPTIC TANK SERVICE	585.00
258406	*	003823	JAY'S SEPTIC TANK SERVICE	70.00
258407		003845	JOHNSON HILL LAND ETHICS STUDIO INC	3,374.00
258408		MISC	JOSEPH PHILIP CRAIG II INC	2,000.00
258409		MISC	KARSON CLAUSSEN	100.00
258410		004088	KGM DISTRIBUTORS INC	60.00
258411		006370	KLM SCAPE & SNOW LLC	47,180.00
258412	*	002659	CHRISTOPHER KOCH	152.95
258413	*	000352	JILL KOLAITIS	1,560.00
258414		004085	KONE INC	6,877.10
258415		MISC	KROLL CONSTRUCTION CO	100.00
258416		005876	KROPF MECHANICAL SERVICE COMPANY	2,840.00
258417	*	007975	ADAM KULINSKI	53.41
258418		MISC	KUZDOWICZ, AMY	2,500.00
258419	*	002466	MIKE LABRIOLA	360.00
258422		002635	LAZARD ASSET MANAGEMENT LLC	19,409.59
258423		MISC	LEADER DOGS FOR THE BLIND	1,000.00
258427		MISC	LIVE WELL CUSTOM HOMES LLC	2,300.00
258428		MISC	LMB PROPERTIES LLC	2,000.00
258429	*	008158	LOGICALIS INC	9,700.00
258430	*	001642	MIKE LYON	73.87
258431	*	001741	MACOMB COUNTY FRIEND OF	2,077.00
258432		001417	MAJIK GRAPHICS INC	387.00
258433		MISC	MANNA CONSTRUCTION	100.00
258434		MISC	MARTINO ENTERPRISES INC	200.00

City of Birmingham

Warrant List Dated 05/23/2018

Meeting of 06/04/2018

Check Number	Early Release	Vendor #	Vendor	Amount
258435		000888	MCKENNA ASSOCIATES INC	57,918.75
258436		000369	MCMI	1,102.50
258437		001505	MEADOWBROOK INSURANCE GROUP	804.13
258437	*	001505	MEADOWBROOK INSURANCE GROUP	133.00
258438		008477	MEDIANEWS - 21CM ADVERTISING	1,397.25
258439		MISC	MEG SERVICES	100.00
258440		MISC	MICHAEL E LEWIS	109.12
258441		MISC	MICHIGAN GRAPHICS & AWARDS, INC.	44.65
258442	*	000377	MICHIGAN MUNICIPAL LEAGUE	133.50
258444		003099	MICHIGAN POLICE EQUIP.	1,245.00
258448		007163	MOBILE HEALTH RESOURCES	1,356.80
258449		MISC	MODERN OFFICE	399.00
258450	*	007773	MONSTER WORLDWIDE INC	1,375.00
258451		000462	MOTOR CITY INDUSTRIAL	30.55
258452		001194	NELSON BROTHERS SEWER	105.00
258453		007755	NETWORK SERVICES COMPANY	26.87
258454		008687	NORTH BREATHING AIR, LLC	110.00
258455		MISC	NOVA CONSULTANTS, INC	200.00
258456		001864	NOWAK & FRAUS ENGINEERS	18,300.75
258457		006359	NYE UNIFORM COMPANY	489.50
258458	*	000477	OAKLAND COUNTY	412,781.33
258459		006870	OAKLAND COUNTY	60.00
258460		007502	OAKLAND COUNTY	40.00
258461		008214	OAKLAND COUNTY WATER DEPARTMENT	8,909.08
258462		006599	OBSERVER & ECCENTRIC	70.42
258463	*	004370	OCCUPATIONAL HEALTH CENTERS	1,617.00
258465		007718	OFF COURSE PRODUCTIONS INC.	294.66
258467		MISC	OGUNYEMI, DOTUN	1,400.00
258469		001626	OXFORD OVERHEAD DOOR SALES CO.	516.50
258470		008197	PARKMOBILE LLC	614.72
258471		006853	PAUL C SCOTT PLUMBING INC	308.00
258472		007215	PDQ.COM CORPORATION	450.00
258473		005688	PEGASUS ENTERTAINMENT	5,149.98
258474		MISC	PELLA WINDOWS & DOORS, INC.	1,000.00
258476	*	001753	PEPSI COLA	519.12
258478		MISC	PETRUZZELLO, FRANK	100.00
258479		001341	PIFER GOLF CARS INC	5,850.00
258480		MISC	POWER HOME SOLAR	200.00
258481	*	008773	PRAETORIAN DIGITAL	2,390.00
258482		007463	PUBLIC RUBBER & SUPPLY CO., INC.	241.36
258483	*	008404	PETE REALY	98.96
258485		007305	REFRIGERATION SERVICE PLUS	288.00
258486		MISC	RENAISSANCE RESTORATIONS INC	200.00

City of Birmingham
Warrant List Dated 05/23/2018

Meeting of 06/04/2018

Check Number	Early Release	Vendor #	Vendor	Amount
258487		002566	REYNOLDS WATER	358.00
258488	*	003554	RKA PETROLEUM	1,756.80
258490		000478	ROAD COMM FOR OAKLAND CO	2,492.88
258492		000218	ROYAL OAK P.D.Q. LLC	1,126.00
258494	*	002806	SAM'S CLUB/SYNCHRONY BANK	810.66
258495		007817	SAND SALES COMPANY LLC	1,695.57
258496		008760	SETCAN CORPORATION	955.50
258497		007142	SHERWIN-WILLIAMS COMPANY	125.40
258498	*	004202	SHRED-IT USA	678.80
258499	*	007882	MICHAEL SIMPSON	69.94
258500		000254	SOCRRA	71,361.00
258500	*	000254	SOCRRA	61,960.00
258501		005787	SOUTHEASTERN EQUIPMENT CO. INC	536.52
258502		005731	SOUTHEASTERN MICHIGAN SEALANTS INC.	2,280.00
258503		MISC	SOVA PROPERTY HOLDINGS LLC	100.00
258505		008056	SPINA ELECTRIC	280.75
258506		006783	STATE OF MICHIGAN	30.00
258507		001065	SUNSHINE MEDICAL SUPPLY, INC.	132.15
258508	*	004355	SYMETRA LIFE INSURANCE COMPANY	31,755.43
258509	*	007583	YVONNE TAYLOR	27.96
258510		000273	TERMINAL SUPPLY CO.	60.37
258511		MISC	THARRON D HILL	200.00
258513		MISC	THOMAS SEBOLD & ASSOCIATES, IN	2,744.34
258514		004692	TRANSPARENT WINDOW CLEANING	5,170.00
258515		MISC	TRESNAK CONSTRUCTION INC	200.00
258516		MISC	TROWBRIDGE HOMES CONSTRUCTION LLC	2,100.00
258517	*	000278	TROY AUTO GLASS CO INC	124.25
258518		MISC	TWIN EAGLE CONSTRUCTION	100.00
258521		007226	VALLEY CITY LINEN	129.80
258522	*	000293	VAN DYKE GAS CO.	443.56
258523	*	008411	VARIPRO	785.50
258524	*	000158	VERIZON WIRELESS	90.12
258525	*	000158	VERIZON WIRELESS	50.53
258526		MISC	VICTORS HOME IMPROVEMENT LLC	100.00
258527		000969	VIGILANTE SECURITY INC	220.50
258527	*	000969	VIGILANTE SECURITY INC	85.00
258528	*	002996	GREG WALD	69.80
258529	*	005389	PHILLIP WEBB	55.00
258531		007374	WESTWOOD TRUST	11,151.32
258532	*	007894	BRENDA WILLHITE	1,018.33
258533		MISC	WINDOW PRO HOLDINGS LLC	500.00
258534	*	005794	WINDSTREAM	672.56
258535		002088	WM. CROOK FIRE PROTECTION CO.	3,100.00

City of Birmingham
Warrant List Dated 05/23/2018

Meeting of 06/04/2018

Check Number	Early Release	Vendor #	Vendor	Amount
258536		000306	WOLVERINE CONTRACTORS INC	569.50
258537		004512	WOLVERINE POWER SYSTEMS	699.00
258538	*	003890	LAUREN WOOD	525.00
258540		MISC	ZUCCARO, JAMES	100.00
Sub Total Checks:				<u>\$2,954,170.54</u>
Sub Total ACH:				<u>\$37,229.68</u>
Grand Total:				<u><u>\$2,991,400.22</u></u>

All bills, invoices and other evidences of claim have been audited and approved for payment.



Mark Gerber
Finance Director/ Treasurer

*-Indicates checks released in advance and prior to commission approval in order to avoid penalty or to meet contractual agreement/obligation.

6/4/2018

City of Birmingham
5/24/2018

Vendor Name	Transfer Date	Transfer Amount
Automated Benefit Services, Inc.	5/21/2018	37,229.68
TOTAL		37,229.68

City of Birmingham
Warrant List Dated 05/30/2018

Meeting of 06/04/2018

Check Number	Early Release	Vendor #	Vendor	Amount
258542	*	000855	48TH DISTRICT COURT	100.00
258543		002284	ABEL ELECTRONICS INC	1,067.65
258544		000881	APWA	760.00
258545		000500	ARTECH PRINTING INC	75.00
258546	*	002342	ASTREIN'S	175.00
258547	*	006759	AT&T	127.92
258548	*	006759	AT&T	58.90
258550	*	007216	AT&T	97.08
258552		007345	BEVERLY HILLS ACE	62.07
258553		006683	BIRMINGHAM LAWN MAINTENANCE	11,984.00
258555		003907	CADILLAC ASPHALT, LLC	901.00
258556		007875	CANFIELD EQUIPMENT SERVICE INC.	2,894.92
258557		000595	CARRIER & GABLE INC	358.65
258558		000444	CDW GOVERNMENT INC	4,087.47
258558	*	000444	CDW GOVERNMENT INC	4,087.47
258559		000605	CINTAS CORPORATION	176.52
258560	*	000912	MARK CLEMENCE	55.90
258561	*	007625	COMCAST	426.47
258563		008582	CORE & MAIN LP	417.98
258566		004198	DETROIT HITCH CO	11.85
258567		000565	DORNBOS SIGN & SAFETY INC	517.10
258569		007505	EAGLE LANDSCAPING & SUPPLY	290.00
258570	*	008596	LAURA E. EICHENHORN	173.09
258571		004671	ELDER FORD	1,373.73
258572		008308	ERADICO PEST SERVICES	68.00
258573		005446	ETHNIC ARTWORK	153.00
258574		006752	FERMOB USA	3,491.00
258575		007314	FLEIS AND VANDENBRINK ENG. INC	2,754.50
258576		000217	FOUR SEASON RADIATOR SERVICE INC	417.45
258577		MISC	GARY FANCHER	975.00
258578		000243	GRAINGER	58.36
258579		006153	HARRY'S ARMY SURPLUS	115.00
258580		001672	HAYES PRECISION INC	30.50
258581		000331	HUBBELL ROTH & CLARK INC	1,484.59
258582		000974	IBM CORPORATION	2,380.80
258584		003888	INTERNATIONAL CODE COUNCIL INC	1,800.00
258585		001934	ISA	214.00
258586		003458	JOE'S AUTO PARTS, INC.	274.62
258587	*	007828	DEBORAH KLEIN	120.00
258588	*	006370	KLM SCAPE & SNOW LLC	1,925.00
258589	*	000362	KROGER COMPANY	100.00
258590		005876	KROPF MECHANICAL SERVICE COMPANY	1,630.00
258591		003404	LADUKE ROOF.& SHT.METAL CORP	92.00

City of Birmingham
Warrant List Dated 05/30/2018

Meeting of 06/04/2018

Check Number	Early Release	Vendor #	Vendor	Amount
258592	*	008229	MIKE MANZO	54.36
258593		008479	MD SOLUTIONS, INC	102.00
258594		008174	MED SOURCE SERVICES INC	1,500.00
258595		001660	MICHIGAN CAT	69.16
258596		008446	MICHIGAN TOURNAMENT FLEET INC	665.00
258597	*	008126	MICHIGAN.COM	1,520.40
258598	*	007659	MICHIGAN.COM #1008	70.42
258599		000230	MIKE SAVOIE CHEVROLET INC	222.00
258600	*	006371	MPELRA	50.00
258601		001194	NELSON BROTHERS SEWER	536.00
258602		007755	NETWORK SERVICES COMPANY	1,484.73
258603	*	007856	NEXT	3,300.00
258604		004110	OAKLAND COMMUNITY COLLEGE	250.00
258605	*	000477	OAKLAND COUNTY	230.00
258606		006870	OAKLAND COUNTY	30.00
258607	*	004370	OCCUPATIONAL HEALTH CENTERS	192.00
258608	*	000481	OFFICE DEPOT INC	4,631.28
258609		001325	P.K. CONTRACTING INC	750.00
258610		008774	PARADIGM PLUMBING & MECHANICAL, INC	650.00
258611		005688	PEGASUS ENTERTAINMENT	1,100.00
258612		007368	PHASE FOUR INVESTIGATIONS	410.00
258613	*	003352	JAMIE CATHERINE PILLOW	702.00
258614	*	000801	POSTMASTER	252.83
258615		008783	PRESIDIO NETWORKED SOLUTIONS GROUP	684.25
258616		005660	PUBLIC AGENCY TRAINING COUNCIL	325.00
258617		008782	PVS NOLWOOD CHEMICALS, INC	587.68
258618		008389	R.C. SYSTEMS, INC.	2,000.00
258619	*	008342	RAIN MASTER CONTROL SYSTEMS	29.85
258620		006497	RNA OF ANN ARBOR INC	2,210.00
258621		001181	ROSE PEST SOLUTIONS	71.00
258622		000218	ROYAL OAK P.D.Q. LLC	184.00
258623		002456	SALES MARKETING GROUP INC	1,196.04
258624		005380	SALZBURG LANDSCAPE SUPPLY	2,495.00
258625		MISC	SEAL MASTER PAVEMENT PRODUCTS	921.25
258626		003785	SIGNS-N-DESIGNS INC	1,450.00
258627	*	008073	SITEONE LANDSCAPE SUPPLY, INC	247.79
258628	*	001097	SOCWA	128,486.05
258629		005787	SOUTHEASTERN EQUIPMENT CO. INC	672.00
258630	*	007907	SP+ CORPORATION	3,245.00
258631		000260	SPARTAN DISTRIBUTORS INC	26,905.55
258632	*	008507	SUPERFLEET MASTERCARD PROGRAM	391.70
258633		007441	SUREFIRE LLC	1,230.90
258634		001255	TEKNICOLORS INC	42.99

City of Birmingham
Warrant List Dated 05/30/2018

Meeting of 06/04/2018

Check Number	Early Release	Vendor #	Vendor	Amount
258635		000273	TERMINAL SUPPLY CO.	47.85
258637		000278	TROY AUTO GLASS CO INC	389.25
258638		006881	TUUCI, LLC.	2,350.00
258639	*	000158	VERIZON WIRELESS	126.02
258640	*	000158	VERIZON WIRELESS	1,030.77
258641	*	000158	VERIZON WIRELESS	374.89
258642		000969	VIGILANTE SECURITY INC	85.00
258643	*	002974	VILLAGE OF BEVERLY HILLS	124,844.80
258644	*	000926	WRIGHT TOOL COMPANY	2,178.59
Sub Total Checks:				\$371,938.99
Sub Total ACH:				\$125,451.01
Grand Total:				\$497,390.00

All bills, invoices and other evidences of claim have been audited and approved for payment.



Mark Gerber
Finance Director/ Treasurer

*-Indicates checks released in advance and prior to commission approval in order to avoid penalty or to meet contractual agreement/obligation.

City of Birmingham
ACH Warrant List Dated 5/30/2018

Vendor Name	Transfer Date	Transfer Amount
Automated Benefit Services, Inc.	5/24/2018	121,283.25
Cutwater Asset Management-April	**	4,167.76
TOTAL		125,451.01

**Awaiting approval from Commission.

Cutwater Asset Management provides advisory and reporting services for the City's general investments. It was acquired by Bank of New York Mellon, N.A. in January 2015. As a result of the acquisition, they no longer accept checks as payment for services. Once the Commission approves this warrant list, the City will electronically transmit payment. These invoices will appear once a month on the ACH Warrant List.

DATE: May 25, 2018

TO: Joseph A. Valentine, City Manager

FROM: Mark Gerber, Finance Director

SUBJECT: Fourth Quarter 2017-2018 Budget Amendment

The Uniform Budgeting Act requires budgets to be amended on a periodic basis as needed. As the fiscal year end approaches, departments were asked to submit their final revenue and expenditure estimates for the fiscal year. These estimates are compared to the amended budget to determine whether additional budget adjustments are necessary. The following budget adjustments are recommended:

General Fund

Expenditures for "Community Development" are projected to be \$430,000 under budget mostly as a result of office remodeling that is being deferred until fiscal year 2018-2019 and unfilled budgeted positions in the Building Department. "Transfers Out" is projected to be \$111,050 over budget due to higher 48th District Court's expenditures being allocated to the City as a result of the City's higher case load at the court. Partially offsetting that increase is a projected increase in 48th District Court revenue of \$67,000 over the current budget. It is recommended to increase "Transfers Out" by \$111,050, decrease "Community Development" by \$44,050, and increase "Fines and Forfeitures" revenue by \$67,000.

In addition, it is anticipated that the Personnel Services Fund will need an additional contribution this year from the General Fund. The Personnel Services Fund's purpose is to accumulate monies to fund employee sick leave which would be owed an employee should they leave employment with the City. When an employee leaves the City and is paid out the amount of accumulated sick leave that is owed them according to their labor contract or City policy, this fund would reimburse the fund where those costs were charged. Low investment earnings on the cash in this fund are insufficient to cover the increase in contractual paid leave obligations. It is recommended that a transfer from the General Fund of \$25,000 be made to cover the expected increase in the liability in this fund. The funding for this transfer will be made by reducing the "Community Development" budget by \$25,000 and increasing the "Transfers Out" budget by \$25,000.

Fund Balance:

The current 2017-2018 amended budget anticipates a decrease in fund balance of approximately \$2,072,000. As a result of projected revenues and expenditures, however, it is anticipated that General Fund's fund balance will decrease by approximately \$1,285,000. It is estimated that the City's unassigned fund balance will be approximately 35% of budgeted expenditures which is within the City Commission policy of 40%.

Greenwood Cemetery Perpetual Care Fund

No adjustments needed.

Major Streets

Projected revenues are expected to be approximately \$200,000 greater than budget as a result of \$65,000 in additional Act 51 funding and additional one-time road funding from the state of \$135,000.

Projected expenditures for "Administration" is expected to be \$20 over budget as a result of higher than expected costs for audit and forecast services. Expenditures for "Maintenance of Streets and Bridges" are estimated to be over budget by approximately \$10,000 as a result of cape seal work. "Street Cleaning" is expected to be approximately \$35,000 over budget as a result of additional DPS staff time worked in this area of \$10,000 and \$25,000 associated with catch basin cleaning. "Street Trees" is projected to be \$10,000 over budget as a result of tree purchases. "Snow & Ice Control" is expected to be over budget by \$10,000 due to the extended winter weather. "Capital Outlay – Engineering and Construction of Roads and Bridges" is expected to be over budget by \$134,980 due to cross-walk work on Maple Road which was not originally budgeted. It is recommended to increase budgeted revenues by \$200,000 and increase expenditures by \$200,000 as follows: "Administration" \$20; "Maintenance of Streets and Bridges" \$10,000; "Street Cleaning" \$35,000; "Street Trees" \$10,000; "Snow and Ice Control" \$10,000; "Capital Outlay – Engineering and Construction of Roads and Bridges" \$134,980.

Local Streets

"Maintenance of Streets and Bridges" is projected to be under budget by \$546,000 due to a spring cape seal project which was deferred until fiscal year 2018-2019. "Capital Outlay – Engineering and Construction of Roads and Bridges" are projected to be \$320,000 over budget mostly due to an expected increase in costs for the spring road projects. "Street Trees" are estimated to be \$20,000 over budget as a result of additional DPS staff time worked in this area. "Street Cleaning" is projected to be over budget by \$20,000 as a result of contracted catch basin cleaning. "Snow and Ice Control" expenditures are expected to be over budget by \$25,000 due to the extended winter weather. "Administration" is expected to be \$20 over budget as a result of higher than expected costs for audit and forecast services. It is recommended to increase the budgets for "Capital Outlay – Engineering and Construction of Roads and Bridges" by \$320,000, "Street Trees" by \$20,000, "Street Cleaning" by \$20,000, "Snow and Ice Control" by \$25,000, and "Administration" by \$20 and to offset these budget increases by decreasing the budget for "Maintenance of Streets and Bridges" by \$385,020.

Solid Waste Fund

"Personnel Services" are projected to be \$5,000 over budget as a result of additional DPS staff time worked in this area. "Other Contractual Services" is projected to be \$16,500 under budget as a result of lower than expected equipment rental costs. It is recommended to increase the budgets for "Personnel Services" by \$5,000 and decrease "Other Contractual Services" by \$5,000.

Brownfield Redevelopment Authority

Property taxes captured from tax incremental financing were greater than estimated resulting in higher reimbursements to developers for environmental costs associated with their projects. It is recommended to increase the budgets for Property Taxes and fund expenditures each by \$187,500.

Principal Shopping District

Projected revenues from special assessments is estimated to be \$15,000 higher than budget. In addition, projected expenditures for the PSD are anticipated to be \$15,000 over budget as a result of additional health insurance costs associated with the Affordable Care Act which was not included in the original budget. It is recommended to increase Special Assessment Revenue by \$15,000 and increase fund expenditures by \$15,000.

Triangle District Corridor Improvement Authority

No adjustments needed

Law and Drug Enforcement Fund

No adjustments needed

Debt Service Fund

No adjustments needed.

Capital Projects Fund

As a result of change orders during the construction of the Chesterfield Fire Station, it is expected that Capital Projects Fund expenditures will exceed budget by approximately \$233,000. The Chesterfield Fire Station is still anticipated to be completed within the funding that was allocated for the project. It is recommended to increase the expenditure budget for the Capital Projects Fund by \$233,000 by using fund balance.

Suggested Resolution: To approve the appropriations and amendments to the fiscal year 2017-2018 budget as follows:

General Fund:**Revenues:**

Fines and Forfeitures	101-000.000-657.0000	\$ 67,000
Total Revenue Adjustments		<u>\$ 67,000</u>

Expenditures:

Community Development	101-371.000-702.0001	\$ (69,050)
Transfers Out	101-999.000-999.0639	25,000
	101-136.000-999.9999	<u>111,050</u>
Total Expenditure Adjustments		<u>\$ 67,000</u>

Major Streets Fund:Revenues:

Intergovernmental	202-000.000-554.0000	\$ 65,000
	202-000.000-569.0000	<u>135,000</u>
Total Revenue Adjustments		<u>\$ 200,000</u>

Expenditures:

Administration	202-191.202-802.0100	\$ 20
Maintenance of Streets and Bridges	202-449.003-937.0400	10,000
Street Cleaning	202-449.004.702.0001	10,000
	202-449.004-937.0400	25,000
Street Trees	202-449.005-729.0000	10,000
Capital Outlay – Engineering & Construction of Roads	202-449.001-981.0100	134,980
Snow & Ice Control	202-449.006-729.0000	<u>10,000</u>
Total Expenditure Adjustments		<u>\$ 200,000</u>

Local Streets Fund:Expenditures:

Administration	203-191.203-802.0100	\$ 20
Maintenance of Streets and Bridges	203-449.003-702.0001	(385,020)
Street Cleaning	203-449.004-937.0400	20,000
Street Trees	203-449.005-702.0001	20,000
Capital Outlay – Engineering & Construction of Roads	203-449.001-981.0100	320,000
Snow & Ice Control	203-449.006-729.0000	<u>25,000</u>
Total Expenditure Adjustments		<u>\$ -0-</u>

Solid Waste Fund:Expenditures:

Personnel Services	226-582.000-702.0001	\$ 5,000
Other Contractual Services	226-582.000-941.0000	<u>(5,000)</u>
Total Expenditure Adjustments		<u>\$ -0-</u>

Brownfield Redevelopment Authority Fund:Revenues:

Property Taxes	243-000.000-402.0001	\$ 187,500
Total Revenue Adjustments		<u>\$ 187,500</u>

Expenditures:

Brownfield Redevelopment Authority Fund	243-691.000-967.0100	\$ 187,500
Total Expenditure Adjustments		<u>\$ 187,500</u>

Principal Shopping District Fund:Revenues:

Special Assessments	247-000.000-672.0870	\$ 15,000
Total Revenue Adjustments		<u>\$ 15,000</u>

Expenditures:

Principal Shopping District	247-748.000-706.0002	\$ 15,000
Total Expenditure Adjustments		<u>\$ 15,000</u>

Capital Projects Fund:Revenues:

Draw from Fund Balance	401-000.000-400.0000	\$ 233,000
Total Revenue Adjustments		<u>\$ 233,000</u>

Expenditures:

Public Improvement – Chesterfield Fire Station	401-339.001-977.0000	\$ 233,000
Total Expenditure Adjustments		<u>\$ 233,000</u>



MEMORANDUM

City Clerk's Office

DATE: May 24, 2018

TO: Joseph A. Valentine, City Manager

FROM: J. Cherilynn Mynsberge, City Clerk

SUBJECT: Special Event Request - Birmingham Harriers 5K Run/Walk

Attached is a special event application for the Birmingham Harriers 5K Run/Walk to be held on Sunday, August 5, 2018, at 9:00 a.m.

The Birmingham Harriers 5K Run/Walk will be conducted in conjunction with the Oral Cancer Awareness 5K Run/Walk, as it has been in previous years. The two events will be held simultaneously at the same facility and on the same course, the same as they were last year.

The application has been circulated to the affected departments and approvals and comments have been noted.

The following events have been approved by the Commission to be held in August. These events do not pose a conflict with the proposed event.

Event Name	Date	Location
In the Park Concerts	8/1, 8/8, 8/15	Shain Park
Farmers Market	8/5/18	Parking Lot #6
Birmingham Cruise Event	8/18/18	S. Old Woodward & Shain Park
Movie Night	8/24/18	Booth Park

SUGGESTED RESOLUTION:

To approve the request submitted by the Birmingham Harriers/Seaholm High School to hold a 5K Run/Walk race on Sunday, August 5, 2018, at Seaholm High School to raise funds for Birmingham Harriers, a community organization that supports Seaholm High School running programs and promotes fitness, contingent upon compliance with all permit and insurance requirements and payment of all fees and, further pursuant to any minor modifications that may be deemed necessary by administrative staff at the time of the event.

18-0001157

**CITY OF BIRMINGHAM
APPLICATION FOR SPECIAL EVENT PERMIT
PARKS AND PUBLIC SPACES**

IMPORTANT: EVENTS UTILIZING CITY SIDEWALKS AND/OR STREETS MUST MEET WITH POLICE DEPARTMENT SPECIAL EVENT OFFICER TO REVIEW PROPOSED EVENT DETAILS PRIOR TO SUBMITTING APPLICATION.

Police Department acknowledgement: _____

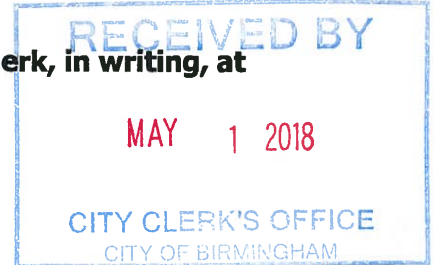
I. EVENT DETAILS

- Incomplete applications will not be accepted.
- Changes in this information must be submitted to the City Clerk, in writing, at least three weeks prior to the event

FEES: **FIRST TIME EVENT:** **\$200.00**
 ANNUAL APPLICATION FEE: **\$165.00**

(Please print clearly or type)

Date of Application 5-1-18



Name of Event Birmingham Harriers 5k Run/Walk

Detailed Description of Event (attach additional sheet if necessary) 5k Run/Walk
to raise funds for Birmingham Harriers,
a community organization that supports
Seaholm running programs and promotes fitness.

Location Seaholm High School

Date(s) of Event Sunday, Aug 5, 2018 Hours of Event 9 AM - 10³⁰ AM

Date(s) of Set-up Saturday, Aug 4 Hours of Set-up 6-8 pm
Sunday, Aug 5 7³⁰ AM

NOTE: No set-up to begin before 7:00 AM, per City ordinance.

Date(s) of Tear-down Sunday Aug 5 Hours of Tear-down 11 AM - 12 pm

Organization Sponsoring Event Birmingham Harriers / Seaholm H.S.

Organization Address 675 Yarmouth Bloomfield Twp 48307

Organization Phone 734 3584110

Contact Person Teresa (Terri) McCardell

Contact Phone 734 3584110

Contact Email terrimccardell@gmail.com

II. EVENT INFORMATION

1. Organization Type Community group
(city, non-profit, community group, etc.)
2. Additional Sponsors or Participants (Provide name, address, contact person, status, etc. for all additional organizations sponsoring your event.) Oral Cancer Foundation will submit application.
3. Is the event a fundraiser? YES ☒ NO ☐
List beneficiary Birmingham Harriers
List expected income \$ 4,000
Attach information about the beneficiary.
4. First time event in Birmingham? YES ☐ NO ☒
If no, describe _____
5. Total number of people expected to attend per day 500
6. The event will be held on the following City property: (Please list)
☒ Street(s) See attached
☐ Sidewalk(s) _____
☐ Park(s) _____
7. Will street closures be required? YES ☒ NO ☐
(Police Department acknowledgement prior to submission of application is required) (initial here) il
8. What parking arrangements will be necessary to accommodate attendance? Seaholm High School

9. Will staff be provided to assist with safety, security and maintenance? YES ☒ NO ☐

If yes, please provide number of staff to be provided and any specialized training received.

Describe Seaholm Athletic Director / Staff and
Parent Volunteers 50 total

10. Will the event require safety personnel (police, fire, paramedics)? YES ☒ NO ☐

(Police Department acknowledgement prior to submission of application is required.) (initial here) [Signature]

Describe Street closings

11. Will alcoholic beverages be served? YES ☐ NO ☒

If yes, additional approval by the City Commission is required, as well as the Michigan Liquor Control Commission.

12. Will music be provided? YES ☐ NO ☒

 Live Amplification Recorded Loudspeakers

Time music will begin

Time music will end

Location of live band, DJ, loudspeakers, equipment must be shown on the layout map.

13. Will there be signage in the area of the event? YES ☒ NO ☒

Number of signs/banners

Size of signs/banners

Submit a photo/drawing of the sign(s). **A sign permit is required.**

14. Will food/beverages/merchandise be sold? YES ☐ NO ☒

- Peddler/vendor permits must be submitted to the Clerk's Office, **at least two weeks prior to the event.**
- All food/beverage vendors must have Oakland County Health Department approval.
- Attach copy of Health Dept approval.
- There is a \$50.00 application fee for all vendors and peddlers, in addition to the \$10.00 daily fee, per location.

LIST OF VENDORS/PEDDLERS

(attach additional sheet if necessary)

VENDOR NAME	GOODS TO BE SOLD	WATER HOOK-UP REQUIRED?	ELECTRIC REQUIRED?

III. EVENT LAYOUT

- Include a map showing the park set up, street closures, and location of each item listed in this section.
- Include a map and written description of run/walk route and the start/finish area

1. Will the event require the use of any of the following municipal equipment?
(show location of each on map)

EQUIPMENT	QUANTITY	COST	NOTES
Picnic Tables		6 for \$200.00	A request for more than six tables will be evaluated based on availability.
Trash Receptacles		\$4.00 each	Trash box placement and removal of trash is the responsibility of the event. Additional cost could occur if DPS is to perform this work.
Dumpsters		\$200.00 per day	Includes emptying the dumpster one time per day. The City may determine the need for additional dumpsters based on event requirements.
Utilities (electric)	____ # of vendors requiring utilities	Varies	Charges according to final requirements of event.
Water/Fire Hydrant		Contact the Fire Department.	Applicant must supply their own means of disposal for all sanitary waste water. Waste water is NOT allowed to be poured into the street or on the grass.
Audio System		\$200.00 per day	Must meet with City representative.
Meter Bags / Traffic Cones / Barricades	# to be determined by the Police Department.		

2. Will the following be constructed or located in the area of the event? YES **NO**
(show location of each on map) NOTE: Stakes are not allowed.

TYPE	QUANTITY	SIZE
Tents/Canopies/Awnings (A permit is required for tents over 120 sq ft)		
Portable Toilets		
Rides		
Displays		
Vendors		
Temporary Structure (must attach a photo)		
Other (describe)		

SIGNATURE OF APPLICANT REQUIRED

EVENT NAME Birmingham Hamers 5K Run/Walk
EVENT DATE Sunday, August 5, 2018

The Birmingham City Commission shall have sole and complete discretion in deciding whether to issue a permit. Nothing contained in the City Code shall be construed to require the City Commission to issue a permit to an applicant and no applicant shall have any interest or right to receive a permit merely because the applicant has received a permit in the past.

As the authorized agent of the sponsoring organization, I hereby agree that this organization shall abide by all conditions and restrictions specific to this special event as determined by the City administration and will comply with all local, state and federal rules, regulations and laws.



Signature

4-29-18

Date

**IV. SAMPLE LETTER TO NOTIFY ANY AFFECTED
PROPERTY/BUSINESS OWNERS**

- Organizer must notify all potentially affected residential property and business owners of the date and time this application will be considered by the City Commission. *(Sample letter attached to this application.)*
- Attach a copy of the proposed letter to this application. The letter will be reviewed and approved by the Clerk's Office. The letter must be distributed at least two weeks prior to the Commission meeting.
- A copy of the letter and the distribution list must be submitted to the Clerk's Office at least two weeks prior to the Commission meeting.
- If street closures are necessary, a map must be included with the letter to the affected property/business owners.



SPECIAL EVENT REQUEST NOTIFICATION LETTER

DATE:

TO: Property Owner
Birmingham, MI 48009

The Birmingham City Code requires that we receive approval from the Birmingham City Commission to hold the following special event. The code further requires that we notify any property owners or business owners that may be affected by the special event of the date and time that the City commission will consider our request so that an opportunity exists for comments prior to this approval.

EVENT NAME: Birmingham Harriers 5K Run/Walk

LOCATION: Course Start will be on Midvale Street and the Finish will be at Seaholm High School track. The course will include the following streets: Midvale Street, Berwyn Street, Avon Street, Argyle Street, Golfview Street, Midvale Street, Larchlea Street, Lincoln Street, Arlington Street, Shirley Street, and Woodlea Court. Although not part of the race route, Wellesley Street will be affected for the very beginning of the race, which starts at 9 AM.

DATE OF EVENT: Sunday, August 5, 2018

HOURS OF EVENT: Race start 9AM. The last participant done by 10:30 AM.

DESCRIPTION: This is a 5K (3.1 mile) road running race to raise money for the Birmingham Harriers, which supports Seaholm Running Programs. The event will take place at Seaholm High School, but includes the use of roads around the school. Please find enclosed the course map, which shows approximate closure times.

TIME OF SET-UP: Saturday 6:00 PM to 8:00 AM Sunday 7:30 AM

TIME OF TEAR DOWN: 11 AM to 12PM

DATE OF CITY COMMISSION MEETING: Monday, , 2018

The City commission meets in room 205 of the Municipal Building at 151 Martin at 7:30PM. A **complete copy of the application to hold this special event is available for your review at the City Clerk's Office (248/530-1880).**

EVENT ORGANIZER: Birmingham Harriers/Seaholm Cross Country, represented by Teresa (Terri) McCardell **ADDRESS:** 675 Yarmouth, Bloomfield Township, 48301 **PHONE:** 734-358-4110

Add: Event day contact: Name & phone #

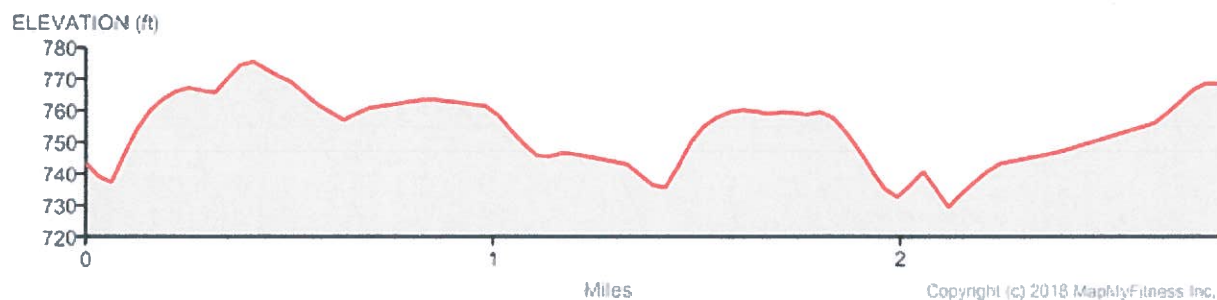
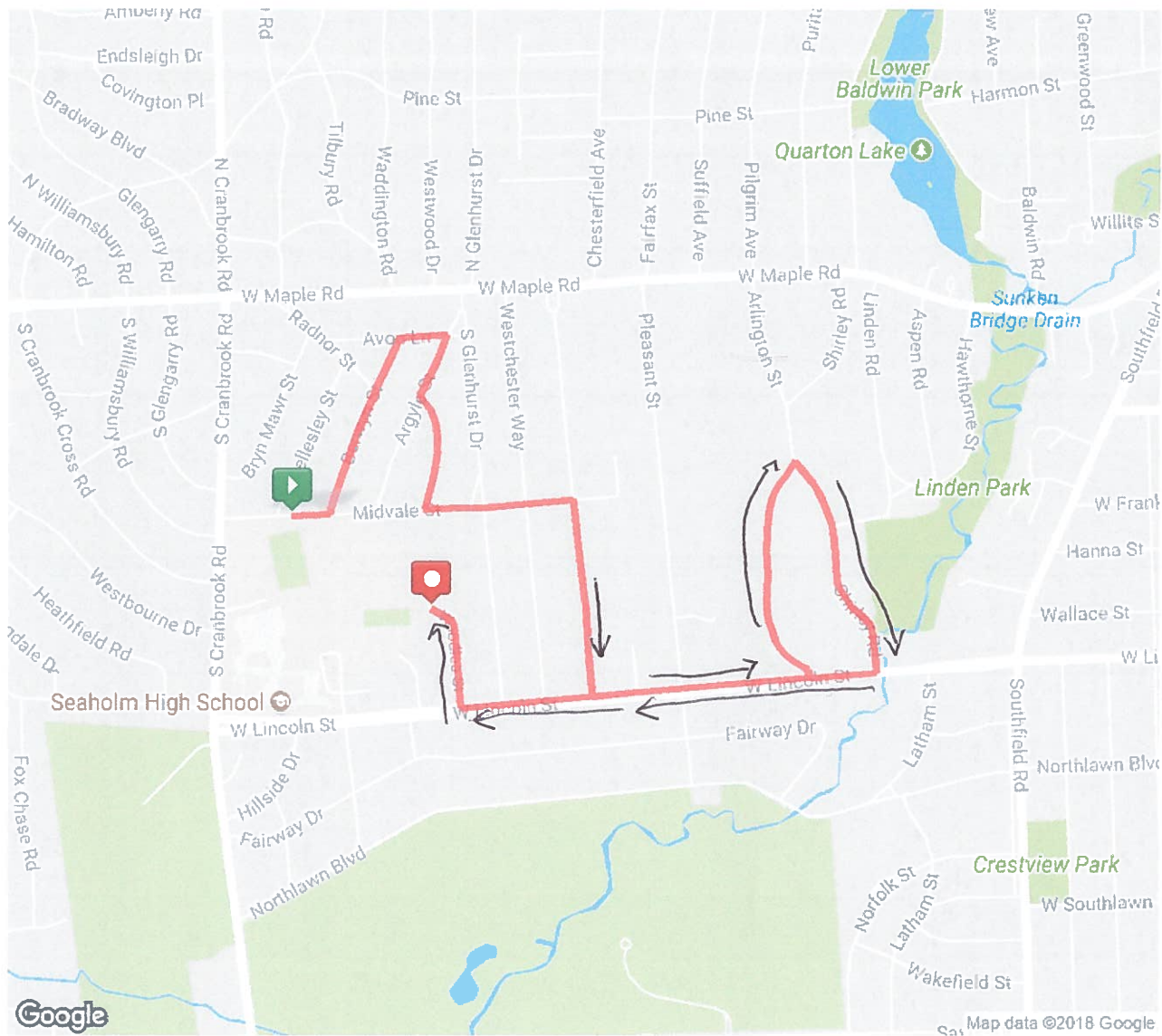
Harrier 2018 Option 2

Distance: 2.78 mi

Elevation Gain: 84 ft

Elevation Max: 776 ft

Notes



0.00 mi	Head east on Midvale St toward Berwyn St
0.05 mi	Turn left onto Berwyn St
0.24 mi	Head northeast on Berwyn St toward Avon Ln
0.31 mi	Head east on Avon Ln toward Argyle St
0.38 mi	Head southwest on Argyle St toward Golf View Blvd
0.47 mi	Head northeast on Argyle St toward Golf View Blvd
0.47 mi	Turn right onto Golf View Blvd
0.63 mi	Head south on Golf View Blvd toward Midvale St
0.64 mi	Turn left onto Midvale St
0.84 mi	Turn left onto Larchlea Dr
0.84 mi	Head south on Larchlea Dr toward Midvale St Destination will be on the left
1.10 mi	Head south on Larchlea Dr toward W Lincoln St
1.11 mi	Turn left onto W Lincoln St
1.41 mi	Turn left onto Arlington St Destination will be on the right
1.42 mi	Head northwest on Arlington St toward Shirley Rd
1.74 mi	Head northeast on Arlington St toward Shirley Rd
1.74 mi	Turn right onto Shirley Rd
2.06 mi	Head south on Shirley Rd toward W Lincoln St
2.06 mi	Turn right onto W Lincoln St
2.63 mi	Head north on Woodlea St toward Woodlea Ct
2.78 mi	Destination



March 15, 2018

HOLD-HARMLESS AGREEMENT

"To the fullest extent permitted by law, the Oral Cancer Foundation and any entity or person for whom the Jennifer Menser is legally liable, agrees to be responsible for any liability, defend, pay on behalf of, indemnify, and hold harmless the City of Birmingham, its elected and appointed officials, employees and volunteers and others working on behalf of the City of Birmingham against any and all claims, demands, suits, or loss, including all costs and reasonable attorney fees connected therewith, and for any damages which may be asserted, claimed or recovered against or from the City of Birmingham, its elected and appointed officials, employees, volunteers or others working on behalf of the City of Birmingham, by reason of personal injury, including bodily injury and death and/or property damage, including loss of use thereof, which arises out of or is in any way connected or associated with this activity/event. Such responsibility shall not be construed as liability for damage caused by or resulting from the sole act or omission of the City of Birmingham, its elected or appointed officials, employees, volunteers or others working on behalf of the City of Birmingham."

Applicant's Signature

Date

5-15-18

DEPARTMENT APPROVALS

EVENT NAME BIRMINGHAM HARRIERS 5K RUN/WALK

LICENSE NUMBER #18-00011257

COMMISSION HEARING DATE: JUNE 4, 2018

NOTE TO STAFF: Please submit approval by **MAY 7, 2018**

DATE OF EVENT: AUGUST 5, 2018

DEPARTMENT	APPROVED	COMMENTS	PERMITS REQUIRED (Must be obtained directly from individual departments)	ESTIMATED COSTS (Must be paid two weeks prior to the event. License will not be issued if unpaid.)	ACTUAL COSTS (Event will be invoiced by the Clerk's office after the event)
PLANNING 101-000.000-634.0005 248.530.1855		Pending			
BUILDING 101-000.000.634.0005 248.530.1850	MM	No Building Department involvement		\$0	
FIRE 101-000.000-634.0004 248.530.1900	JMC	Any road closures must allow for fire department access, in the event of an emergency.		\$0	
POLICE 101-000.000.634.0003 248.530.1870	SG	Personnel and Barricades		\$1100	
PUBLIC SERVICES 101-000.000-634.0002 248.530.1642	Carrie Laird	Barricade placement must done by DPS staff.		\$350	
ENGINEERING 101-000.000.634.0002 248.530.1839	A.F.	No Comments	None	\$0	\$0
SP+ PARKING	A.F.	No effect on the parking system	None	\$0	\$0

INSURANCE 248.530.1807	CA	Must submit COI and signed Hold Harmless agreement	None	\$0	\$0
CLERK 101-000.000-614.0000 248.530.1803		Notification letters to be mailed by applicant no later than 5/9/18. Notification addresses on file in the Clerk's Office. Evidence of required insurance must be on file with the Clerk's Office no later than 7/20/18.	Applications for vendors license must be submitted no later than N/A.	\$165 pd	
				TOTAL DEPOSIT REQUIRED \$1,450	ACTUAL COST

FOR CLERK'S OFFICE USE

Deposit paid _____

Actual Cost _____

Due/Refund _____

Rev. 5/24/18

h:\shared\special events\general information\approval page.doc



MEMORANDUM

City Clerk's Office

DATE: May 24, 2018

TO: Joseph A. Valentine, City Manager

FROM: J. Cherilynn Mynsberge, City Clerk

SUBJECT: Special Event Request – Michigan Oral Cancer Awareness 5K Run/Walk

Attached is a special event application for the Michigan Oral Cancer Awareness 5K Run/Walk to be held on Sunday, August 5, 2018.

The Oral Cancer Awareness 5K Run/Walk will be conducted in conjunction with the Birmingham Harriers 5K Run/Walk, as it has been in previous years. The two events will be held simultaneously at the same facility and on the same course, as they were last year.

The application has been circulated to the affected departments and approvals and comments have been noted.

The following events have been approved by the Commission to be held in August. These events do not pose a conflict with the proposed event.

Event Name	Date	Location
In the Park Concerts	8/1, 8/8, 8/15	Shain Park
Farmers Market	8/5/18	Parking Lot #6
Birmingham Cruise Event	8/18/18	S. Old Woodward & Shain Park
Movie Night	8/24/18	Booth Park

SUGGESTED RESOLUTION:

To approve the request submitted by the Oral Cancer Foundation to hold a 5K Run/Walk race on Sunday, August 5, 2018, at Seaholm High School to raise awareness about oral cancer and prevention, contingent upon compliance with all permit and insurance requirements and payment of all fees and, further pursuant to any minor modifications that may be deemed necessary by administrative staff at the time of the event.

644 18-000 11269

Rec'd 5/15

CITY OF BIRMINGHAM
APPLICATION FOR SPECIAL EVENT PERMIT
PARKS AND PUBLIC SPACES

IMPORTANT: EVENTS UTILIZING CITY SIDEWALKS AND/OR STREETS MUST MEET WITH POLICE DEPARTMENT SPECIAL EVENT OFFICER TO REVIEW PROPOSED EVENT DETAILS PRIOR TO SUBMITTING APPLICATION.

Police Department acknowledgement: _____

I. EVENT DETAILS

- Incomplete applications will not be accepted.
- Changes in this information must be submitted to the City Clerk, in writing, at least three weeks prior to the event

FEES: **FIRST TIME EVENT:** **\$200.00**
 ANNUAL APPLICATION FEE: **\$165.00**

(Please print clearly or type)

Date of Application 5-15-18

Name of Event Michigan Oral Cancer Awareness

Detailed Description of Event (attach additional sheet if necessary) _____

5k walk/run to bring awareness to our communities about oral cancer & prevention.

Location Seaholm High School

Date(s) of Event 8-5-18 Hours of Event 8am-12pm

Date(s) of Set-up 8-5-18 Hours of Set-up 7am

NOTE: No set-up to begin before 7:00 AM, per City ordinance.

Date(s) of Tear-down 8-5-18 Hours of Tear-down 12-1pm

Organization Sponsoring Event Oral Cancer Foundation

Organization Address 3419 Via Lido #205, Newport Beach, CA 92663

Organization Phone 949-723-4400

Contact Person Jennifer Menser

Contact Phone 248-343-4892

Contact Email jenn.mi.ocf@gmail.com

JENNIFER MENSER
2

II. EVENT INFORMATION

1. Organization Type non-profit
(city, non-profit, community group, etc.)
2. Additional Sponsors or Participants (Provide name, address, contact person, status, etc. for all additional organizations sponsoring your event.) _____
Seaholm High School Harriers

3. Is the event a fundraiser? YES ☐ NO ☒
List beneficiary _____
List expected income _____
Attach information about the beneficiary.
4. First time event in Birmingham? YES ☐ NO ☒
If no, describe 4th annual event with Seaholm HS Harriers

5. Total number of people expected to attend per day 300
6. The event will be held on the following City property: (Please list)
☒ Street(s) Please see route attached w/ Seaholm HS Harriers Event

☐ Sidewalk(s) _____

☐ Park(s) _____

7. Will street closures be required? YES ☒ NO ☐
(Police Department acknowledgement prior to submission of application is required) (initial here) sl
8. What parking arrangements will be necessary to accommodate attendance? Seaholm HS Parking Lot Arrangments

9. Will staff be provided to assist with safety, security and maintenance? YES ☒ NO ☐

If yes, please provide number of staff to be provided and any specialized training received.

Describe over 50 volunteers to help set-up & monitor 5k walk/run route directing participants.

10. Will the event require safety personnel (police, fire, paramedics)? YES ☒ NO ☐

(Police Department acknowledgement prior to submission of application is required.) (initial here) _____

Describe Please see Seaholm Harriers approval as in past we are combined with same route & event details.

11. Will alcoholic beverages be served? YES ☐ NO ☒

If yes, additional approval by the City Commission is required, as well as the Michigan Liquor Control Commission.

12. Will music be provided? YES ☐ NO ☒

_____ Live _____ Amplification _____ Recorded _____ Loudspeakers

Time music will begin _____

Time music will end _____

Location of live band, DJ, loudspeakers, equipment must be shown on the layout map.

13. Will there be signage in the area of the event? YES ☐ NO ☒

Number of signs/banners _____

Size of signs/banners _____

Submit a photo/drawing of the sign(s). A sign permit is required.

14. Will food/beverages/merchandise be sold? YES ☐ NO ☒

- Peddler/vendor permits must be submitted to the Clerk's Office, **at least two weeks prior to the event.**
- All food/beverage vendors must have Oakland County Health Department approval.
- Attach copy of Health Dept approval.
- There is a \$50.00 application fee for all vendors and peddlers, in addition to the \$10.00 daily fee, per location.

LIST OF VENDORS/PEDDLERS

(attach additional sheet if necessary)

VENDOR NAME	GOODS TO BE SOLD	WATER HOOK- UP REQUIRED?	ELECTRIC REQUIRED?

III. EVENT LAYOUT

- Include a map showing the park set up, street closures, and location of each item listed in this section.
- Include a map and written description of run/walk route and the start/finish area

1. Will the event require the use of any of the following municipal equipment?
(show location of each on map)

EQUIPMENT	QUANTITY	COST	NOTES
Picnic Tables		6 for \$200.00	A request for more than six tables will be evaluated based on availability.
Trash Receptacles		\$4.00 each	Trash box placement and removal of trash is the responsibility of the event. Additional cost could occur if DPS is to perform this work.
Dumpsters		\$200.00 per day	Includes emptying the dumpster one time per day. The City may determine the need for additional dumpsters based on event requirements.
Utilities (electric)	____ # of vendors requiring utilities	Varies	Charges according to final requirements of event.
Water/Fire Hydrant		Contact the Fire Department.	Applicant must supply their own means of disposal for all sanitary waste water. Waste water is NOT allowed to be poured into the street or on the grass.
Audio System		\$200.00 per day	Must meet with City representative.
Meter Bags / Traffic Cones / Barricades	# to be determined by the Police Department.		

2. Will the following be constructed or located in the area of the event? YES NO
(show location of each on map) NOTE: Stakes are not allowed.

TYPE	QUANTITY	SIZE
Tents/Canopies/Awnings (A permit is required for tents over 120 sq ft)		
Portable Toilets		
Rides		
Displays		
Vendors		
Temporary Structure (must attach a photo)		
Other (describe)		

SIGNATURE OF APPLICANT REQUIRED

EVENT NAME Oral Cancer Awareness Michigan

EVENT DATE 8-5-2018

The Birmingham City Commission shall have sole and complete discretion in deciding whether to issue a permit. Nothing contained in the City Code shall be construed to require the City Commission to issue a permit to an applicant and no applicant shall have any interest or right to receive a permit merely because the applicant has received a permit in the past.

As the authorized agent of the sponsoring organization, I hereby agree that this organization shall abide by all conditions and restrictions specific to this special event as determined by the City administration and will comply with all local, state and federal rules, regulations and laws.

Jennifer Menser

5-14-18

Signature

Date

IV. SAMPLE LETTER TO NOTIFY ANY AFFECTED PROPERTY/BUSINESS OWNERS

- Organizer must notify all potentially affected residential property and business owners of the date and time this application will be considered by the City Commission. (*Sample letter attached to this application.*)
- Attach a copy of the proposed letter to this application. The letter will be reviewed and approved by the Clerk's Office. The letter must be distributed at least two weeks prior to the Commission meeting.
- A copy of the letter and the distribution list must be submitted to the Clerk's Office at least two weeks prior to the Commission meeting.
- If street closures are necessary, a map must be included with the letter to the affected property/business owners.



SPECIAL EVENT REQUEST NOTIFICATION LETTER

DATE: Friday, May 18, 2018

TO: Property Owner
Birmingham, MI 48009

The Birmingham City Code requires that we receive approval from the Birmingham City Commission to hold the following special event. The code further requires that we notify any property owners or business owners that may be affected by the special event of the date and time that the City commission will consider our request so that an opportunity exists for comments prior to this approval.

EVENT NAME: Birmingham Harriers 5K Run/Walk

LOCATION: Course Start will be on Midvale Street and the Finish will be at Seaholm High School track. The course will include the following streets: Midvale Street, Berwyn Street, Avon Street, Argyle Street, Golfview Street, Midvale Street, Larchlea Street, Lincoln Street, Arlington Street, Shirley Street, and Woodlea Court. Although not part of the race route, Wellesley Street will be affected for the very beginning of the race, which starts at 9 AM.

DATE OF EVENT: Sunday, August 5, 2018

HOURS OF EVENT: Race start 9AM. The last participant done by 10:30 AM.

DESCRIPTION: This is a 5K (3.1 mile) road running race to raise money for the Birmingham Harriers, which supports Seaholm Running Programs. The event will take place at Seaholm High School, but includes the use of roads around the school. Please find enclosed the course map, which shows approximate closure times. This event is co-sponsored with the Oral Cancer Foundation.

TIME OF SET-UP: Saturday 6:00 PM to 8:00 AM Sunday 7:30 AM

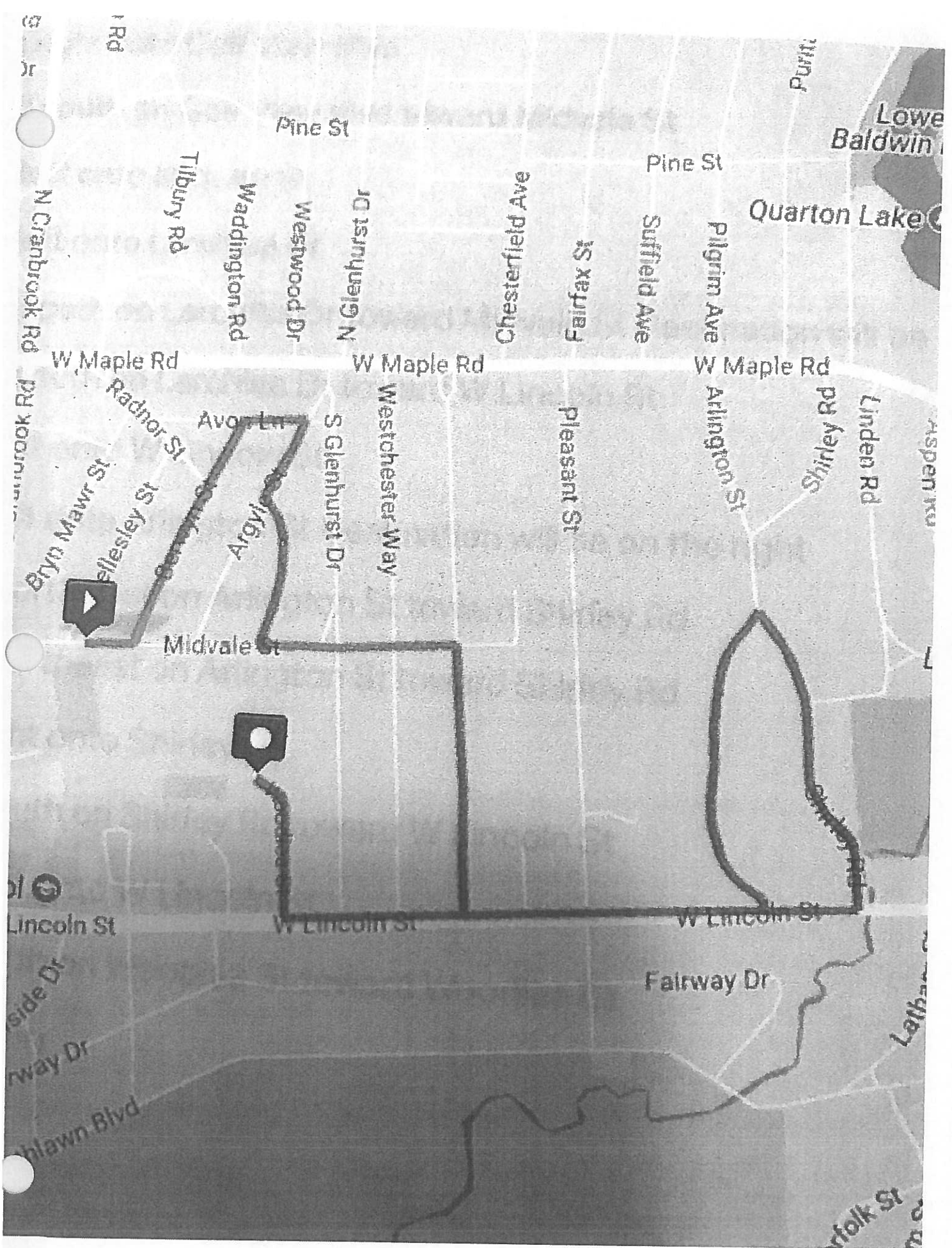
TIME OF TEAR DOWN: 11 AM to 12PM

DATE OF CITY COMMISSION MEETING: Monday, June 4, 2018

The City commission meets in room 205 of the Municipal Building at 151 Martin at 7:30PM. A **complete copy of the application to hold this special event is available for your review at the City Clerk's Office (248/530-1880).**

EVENT ORGANIZER and EVENT DAY CONTACT: Birmingham Harriers/Seaholm Cross Country, represented by Teresa (Terri) McCardell **PHONE:** 734-358-4110

ADDRESS: 675 Yarmouth, Bloomfield Township, 48301

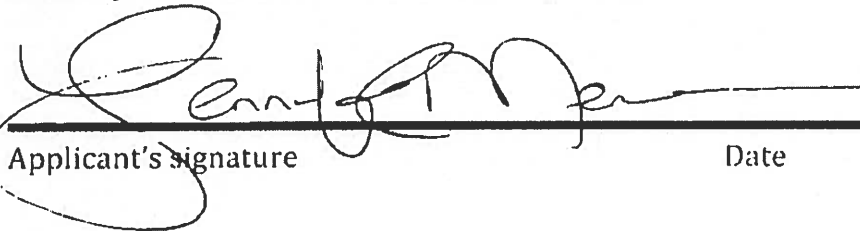




March 15, 2018

HOLD-HARMLESS AGREEMENT

"To the fullest extent permitted by law, the Oral Cancer Foundation and any entity or person for whom the Jennifer Menser is legally liable, agrees to be responsible for any liability, defend, pay on behalf of, indemnify, and hold harmless the City of Birmingham, its elected and appointed officials, employees and volunteers and others working on behalf of the City of Birmingham against any and all claims, demands, suits, or loss, including all costs and reasonable attorney fees connected therewith, and for any damages which may be asserted, claimed or recovered against or from the City of Birmingham, its elected and appointed officials, employees, volunteers or others working on behalf of the City of Birmingham, by reason of personal injury, including bodily injury and death and/or property damage, including loss of use thereof, which arises out of or is in any way connected or associated with this activity/event. Such responsibility shall not be construed as liability for damage caused by or resulting from the sole act or omission of the City of Birmingham, its elected or appointed officials, employees, volunteers or others working on behalf of the City of Birmingham."

 3-15-18
Applicant's signature Date



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

05/04/2018

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER American Specialty Insurance & Risk Services, Inc. dba A.S.I.R.S.I. Insurance Agency 7609 W. Jefferson Blvd., Suite 100 Fort Wayne IN 46804		CONTACT NAME: PHONE (A/C, No, Ext): 260-969-5203 FAX (A/C, No): 260-969-4729 E-MAIL ADDRESS:	
INSURED Oral Cancer Foundation, Inc. 3419 Via Lido #205 Newport Beach CA 92663		INSURER(S) AFFORDING COVERAGE INSURER A: Arch Insurance Company INSURER B: INSURER C: INSURER D: INSURER E: INSURER F:	
		NAIC # 11150	

COVERAGES**CERTIFICATE NUMBER:** 1001530531**REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

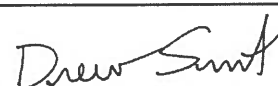
INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC <input checked="" type="checkbox"/> OTHER: EVENT	Y		SNCGL0444600	12/01/2017	12/01/2018	EACH OCCURRENCE \$ 1,000,000
	DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 1,000,000						
	MED EXP (Any one person) \$ Excluded						
	PERSONAL & ADV INJURY \$ 1,000,000						
							GENERAL AGGREGATE \$ 5,000,000
							PRODUCTS - COMP/OP AGG \$ 5,000,000
	AUTOMOBILE LIABILITY <input type="checkbox"/> ANY AUTO <input type="checkbox"/> OWNED AUTOS ONLY <input type="checkbox"/> HIRED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> NON-OWNED AUTOS ONLY						COMBINED SINGLE LIMIT (Ea accident) \$
							BODILY INJURY (Per person) \$
							BODILY INJURY (Per accident) \$
							PROPERTY DAMAGE (Per accident) \$
	UMBRELLA LIAB <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> DED <input type="checkbox"/> RETENTION \$						EACH OCCURRENCE \$
							AGGREGATE \$
	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N	N/A				PER STATUTE OTH-ER
							E.L. EACH ACCIDENT \$
							E.L. DISEASE - EA EMPLOYEE \$
							E.L. DISEASE - POLICY LIMIT \$

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

- The General Liability policy includes Form 00 SGL0060 00 Schedule of Events. Coverage provided by this policy applies only to the event(s) listed in the Schedule, and only for the specific date(s) of said event(s).

- The General Liability policy includes Form CG 2116 Exclusion - Designated Professional Services with the following professional services excluded: Any and all professional services

CERTIFICATE HOLDER**CANCELLATION**

Seaholm High School 2436 West Lincoln St Birmingham MI 48009	SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS. AUTHORIZED REPRESENTATIVE 
--	--

© 1988-2015 ACORD CORPORATION. All rights reserved.

AGENCY CUSTOMER ID: _____

LOC #: _____



ADDITIONAL REMARKS SCHEDULE

Page 1 of 1

AGENCY American Specialty Insurance & Risk Services, Inc.		NAMED INSURED Oral Cancer Foundation, Inc. 3419 Via Lido #205 Newport Beach, CA 92663	
POLICY NUMBER SNCGLO444600		EFFECTIVE DATE: 12/01/2017	
CARRIER Arch Insurance Company	NAIC CODE 11150		

ADDITIONAL REMARKS

THIS ADDITIONAL REMARKS FORM IS A SCHEDULE TO ACORD FORM,

FORM NUMBER: ACORD 25 FORM TITLE: CERTIFICATE OF LIABILITY INSURANCE - Certificate #1001530531

- The Certificate Holder is only an Additional Insured with respect to liability caused by the negligence of the Named Insured as per Form 00 SGL0026 00 Additional Insured - Certificate Holders, but only with respect to BIRMINGHAM, MI on August 05, 2018.

DEPARTMENT APPROVALS

EVENT NAME ORAL CANCER AWARENESS 5K RUN/WALK

LICENSE NUMBER #18-00011269

COMMISSION HEARING DATE: JUNE 4, 2018

NOTE TO STAFF: Please submit approval by **MAY 25, 2018**

DATE OF EVENT: AUG 5, 2018

DEPARTMENT	APPROVED	COMMENTS	PERMITS REQUIRED (Must be obtained directly from individual departments)	ESTIMATED COSTS (Must be paid two weeks prior to the event. License will not be issued if unpaid.)	ACTUAL COSTS (Event will be invoiced by the Clerk's office after the event)
PLANNING 101-000.000-634.0005 248.530.1855	TBC	No Cost / No Comment			
BUILDING 101-000.000.634.0005 248.530.1850	MM	No Building Department involvement	Tents over 120 sqft	\$0	
FIRE 101-000.000-634.0004 248.530.1900	JMC	Fire Department Access must be maintained along the route for emergencies.		\$0	
POLICE 101-000.000.634.0003 248.530.1870	SG	Personnel and Barricades		\$0 (costs shared with Seaholm Harriers Run)	\$0
PUBLIC SERVICES 101-000.000-634.0002 248.530.1642	CL	Barricade will already be placed from the Seaholm Run		\$0	
ENGINEERING 101-000.000.634.0002 248.530.1839	A.F.	No Comments	None	\$0	\$0

SP+ PARKING	A.F.	No effect to the Parking System	None	\$0	\$0
INSURANCE 248.530.1807	CA	Approved	None	\$0	\$0
CLERK 101-000.000-614.0000 248.530.1803		Notification letters mailed by applicant on 5/18. Notification addresses on file in the Clerk's Office. Evidence of required insurance must be on file with the Clerk's Office no later than 7/20/18.	Applications for vendors license must be submitted no later than 7/20/18.	\$165 pd	
				TOTAL DEPOSIT REQUIRED \$0	ACTUAL COST

FOR CLERK'S OFFICE USE

Deposit paid _____

Actual Cost _____

Due/Refund_____



MEMORANDUM

Department of Public Services

DATE: May 25, 2018

TO: Joseph A. Valentine, City Manager

FROM: Lauren A. Wood, Director of Public Services

SUBJECT: Springdale GC Bridge Enhancement – Change Order

On February 26, 2018 the City Commission awarded the replacement of four (4) existing wooden bridges at Springdale Golf Course to Kyle Builders, Inc. Attached is the Change Order dated May 11, 2018 in the amount of \$15,000.00 from Kyle Builders, Inc. Also, find attached a letter from Anderson, Eckstein and Westrick, Inc. (AEW) confirming the review and necessity of the change order for added bridge approaches on all four bridges.

The additional ramp and approach work is required to adequately tie into the existing cart paths and provide safe turning conditions for the bridges. It was recommended to proceed accordingly with this work during construction, so as not to have any further delays. The bridge repair work is concluded and Springdale Golf Course is open for business for the 2018 golf season.

The amount for the change order request is deemed appropriate for the proposed work upon the review by AEW with Kyle Builders in the field during construction for the proposed improvements. Money for this purchase is available in Golf Course Maintenance – Public Improvement Account #584-753.001-981.0100.

The City Commission on February 26, 2018 approved the total project amount of \$79,560.00. The revised contract sum with Kyle Builders, Inc. for this project, including the first change order in the amount of \$41,040 and the second change order in the amount of \$15,000 is \$121,000. This entire project including the Kyle Builders, AEW consultant services and permitting fees will amount to \$129,000.

SUGGESTED RESOLUTION:

To approve the Change Order for the Springdale Bridge Project with Kyle Builders, Inc., as reviewed and confirmed by AEW and staff, in the amount of \$15,000, to be funded from Springdale Golf Course – Public Improvement account #584-753.001-981.0100.



KYLE BUILDERS, INC

Toll Free: 1-888-881-KYLE (5953)

Fax: 586-254-9881

www.kylebuilders.com

"Always Imitated ... Never Duplicated"

Main Office

East Side:

4445 22 Mile Rd., Ste A
Shelby Twp., MI 48317

West Side:

143 Cadycentre, #78
Northville, MI 48167

*** * CHANGE ORDER * ***

DATE..... : MAY 11, 2018

PLAN NUMBER..... :

TO..... : SPRINGDALE GOLF COURSE

PROJECT..... : BOARDWALKS

CHANGE ORDER # 01 :

CONCRETE RAMPS

Original square footage - 940

New plan square footage - 1,540

Additional 600 SF x \$20.00 per SF 12,000.00

Facing for (3) bridges to hold concrete 3,000.00
(one side only)

TOTAL CHANGE ORDER 15,000.00

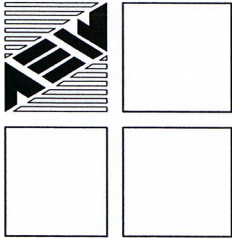
I (we) have read over all the above notes and selections and are in agreement with additional charges / deletions. We also understand that any change order will be adjusted on the next draw.

CITY OF BIRMINGHAM - REP

DATE

KYLE BUILDERS, INC. -- REP

DATE



ANDERSON, ECKSTEIN AND WESTRICK, INC.

51301 Schoenherr Road, Shelby Township, Michigan 48315

Civil Engineers • Surveyors • Architects 586-726-1234

May 11, 2018

Jacky Brito, PGA
Golf Manager
Springdale Golf Course
316 Strathmore
Birmingham, MI

Reference: **Bridge approaches**
Golf Course Bridge Rehabilitation
Springdale Golf Course
Birmingham, Michigan

Dear Ms. Brito:

We understand that due to raising of the bridges previously approved, additional ramp and approach work is required to adequately tie into the existing cart paths and provide safe turning conditions at a few locations.

The contractor, Kyle Builders, has submitted a change order for the increase in project costs due to the related improvements. We have reviewed the change order dated 5-11-18 and consider the associated costs appropriate for the proposed work, and thus recommend proceeding accordingly.

If you have any questions or require additional information, please call me.

Sincerely,

Kevin E. Zael, PE

M:\0221-0044\Springdale Golf Course Bridge Rehabilitation - Bridge approaches.docx



MEMORANDUM

Engineering Department

DATE: May 25, 2018
TO: Joseph A. Valentine, City Manager
FROM: Paul T. O'Meara, City Engineer
SUBJECT: 2018 Local Street Paving Project
Contract #4-18(P) Contract Award

Bids were opened on the above project on May 23, 2018. Three (3) bids were received, as listed on the attached summary. The low bidder was Angelo Iafrate Construction Company, with their bid of \$2,689,473.00. The engineer's estimate was \$2,700,000.00.

Angelo Iafrate Construction Company is currently working on the City's Old Woodward Project and has also performed the work this year for the City's new parking lot on the SE corner of Maple Road and Woodward Avenue. Based on the performance on the above-referenced projects, we are confident that they are fully qualified to do this type of work.

The project will include complete combined sewer and sanitary lead replacement, water main and water service replacement, water main lining (on Woodward Ave.), and new concrete pavement on the following streets:

Bennaville Ave. – Edgewood Ave. to Grant St.
Ruffner Ave. – Grant St. to Woodward Ave.
Chapin Ave. – Grant St. to Woodward Ave.

All streets will be paved at their current widths, with the exception of Ruffner Ave., which will be reduced from 28 ft. to 26 ft. wide, in an effort to reduce damage to several mature trees.

The contract requires that this work be completed by the end of October, 2018. No work can be started within the Woodward Ave. corridor until after the annual Woodward Dream Cruise event, in order to keep that area from being disrupted during the event, which should not be difficult given the design of the project.

The cost of the project will be charged to the following accounts:

Sewer Fund	590-536.001-981.0100	\$878,635.00
Water Fund	591-537.004-981.0100	\$648,815.00
Local Streets Fund	203-449.001-981.0100	<u>\$1,162,023.00</u>
TOTAL		\$2,689,473.00

The total amount budgeted for this project was set at \$2,638,000. After these funds were budgeted, the engineering team determined that addressing water system needs in the area of the Woodward Ave. & Ruffner Ave. intersection would be appropriate at this time. To that end, two (2) segments of the 16" transmission main crossing or within the Woodward Ave. right-of-way will be lined at this time, while abandoning a 6" water main crossing Woodward Ave. Taking these steps will greatly reduce the chance of a water main break under Woodward Ave., in this area, which can have serious consequences for all involved.

The cost of lining the 16" water main segment proposed totals \$185,900. The Engineering Dept. feels that this is an important investment in the water system in this area, ensuring that this pipe will perform well for decades to come. Due to this extra work, the costs being charged to the water fund is in excess of that budgeted by \$98,815. A budget appropriation is included in the suggested resolution to authorize this expenditure.

SUGGESTED RESOLUTION:

To award the Webster Ave. Paving Project, Contract #4-18(P) to Angelo Iafrate Construction Company, of Warren, MI, in the amount of \$2,689,473.00, to be charged to the various accounts as detailed in the report; and further to approve the appropriations and budget amendments as follows:

Water Fund

Revenues:

Draw from Net Position #591-000.000-400.0000	<u>\$ 98,815</u>
Total Revenue Adjustments	<u>\$ 98,815</u>

Expenditures:

Public Improvements #591-537.004-981.0100	<u>\$ 98,815</u>
Total Expenditure Adjustments	<u>\$ 98,815</u>



MEMORANDUM

Planning Division

DATE: June 4th, 2018
TO: Joseph A. Valentine, City Manager
FROM: Jana Ecker, Planning Director
SUBJECT: Set Public Hearing for 34977 Woodward – Hazel Ravines Downtown– Special Land Use Permit and Final Site Plan & Design Review

The subject site is located at 34977 Woodward. The parcel is zoned B-4, Business-Residential and D-4 in the Downtown Overlay District. The applicant, Hazel Ravines Downtown, is seeking a Special Land Use Permit ("SLUP") to operate a new establishment serving alcoholic liquors and to make interior and exterior changes to the former Stand restaurant space, including replacing awnings, adding planters/landscaping, reworking the vestibule and adding new signage.

On May 23, 2018, the Planning Board conducted a public hearing on the above application for a Special Land Use Permit and Final Site Plan and Design Review for Hazel Ravines Downtown, and the Planning Board voted unanimously to recommend approval to the City Commission of a SLUP for Hazel Ravines Downtown at 34977 Woodward with the following conditions:

1. The applicant must remove the evergreen shrub letter sign, as it is in the public right-of-way;
2. The applicant must bring the signage into compliance in regards to size, and reduce the number of signs to one or obtain a variance from the Board of Zoning Appeals;
3. The applicant must correct the indoor/outdoor dining area plan to show 20 seats, or adjust the seating calculation to include a 22 seat patio;
4. The applicant must provide the location of all new lighting fixtures prior to City Commission approval; and
5. The applicant addresses the requests of all City Departments:

Accordingly, the Planning Division requests that the City Commission set a public hearing date of **June 25, 2018** to consider the above request for a Special Land Use Permit Amendment. Please find the attached Planning Board staff report and application attachments for your review. The Planning Board minutes from May 23rd, 2018 are not yet available.

SUGGESTED ACTION:

To set a public hearing date of June 25, 2018 to consider a Special Land Use Permit Amendment for 34977 Woodward – Hazel Ravines Downtown, to allow for the proposed renovations and decorations.

**HAZEL RAVINES DOWNTOWN
34977 WOODWARD
SPECIAL LAND USE PERMIT
2018**

- WHEREAS, Hazel Ravines Downtown filed an application pursuant to Article 7, section 7.34 of Chapter 126, Zoning, of the City Code to operate a food and drink establishment in the B4 zone district in accordance Article 2, Section 2.37 of Chapter 126, Zoning, of the City Code;
- WHEREAS, The land for which the Special Land Use Permit is sought is located on the west side of Woodward Avenue;
- WHEREAS, The land is zoned B-4, and is located within the Downtown Birmingham Overlay District, which permits the operation of food and drink establishments serving alcoholic beverages with a Special Land Use Permit;
- WHEREAS, Article 7, section 7.34 of Chapter 126, Zoning requires a Special Land Use Permit to be considered and acted upon by the Birmingham City Commission, after receiving recommendations on the site plan and design from the Planning Board for the proposed Special Land Use;
- WHEREAS, The applicant submitted an application for a Special Land Use Permit to open a new establishment serving alcoholic liquors and to make interior and exterior changes and add new signage to the former Stand restaurant space;
- WHEREAS, The Planning Board reviewed the application on May 23rd, 2018 for a Special Land Use Permit and Final Site Plan Review and recommended approval to the Birmingham City Commission with the following conditions:
1. The applicant must remove the evergreen shrub letter sign, as it is in the public right-of-way;
 2. The applicant must bring the signage into compliance in regards to size, and reduce the number of signs to one or obtain a variance from the Board of Zoning Appeals;
 3. The applicant must correct the indoor/outdoor dining area plan to show 20 seats, or adjust the seating calculation to include a 22 seat patio;
 4. The applicant must provide the location of all new lighting fixtures prior to City Commission approval; and
 5. The applicant addresses the requests of all City Departments:

WHEREAS, The applicant has agreed to comply with the conditions of the Planning Board approval;

WHEREAS, The Birmingham City Commission has reviewed Hazel Ravines Downtown's Special Land Use Permit application and the standards for such review as set forth in Article 7, section 7.36 of Chapter 126, Zoning, of the City Code;

NOW, THEREFORE, BE IT RESOLVED, The Birmingham City Commission finds the standards imposed under the City Code have been met, subject to the conditions below, and that Hazel Ravines Downtown's application for a Special Land Use Permit and Final Site Plan at 34977 Woodward is hereby approved;

BE IT FURTHER RESOLVED, That the City Commission determines that to assure continued compliance with Code standards and to protect public health, safety, and welfare, this Special Land Use Permit is granted subject to the following conditions:

1. Hazel Ravines Downtown shall abide by all provisions of the Birmingham City Code; and
2. The Special Land Use Permit may be canceled by the City Commission upon finding that the continued use is not in the public interest including, but not limited to, violations of the state law or Birmingham City Code.

BE IT FURTHER RESOLVED, That failure to comply with any of the above conditions shall result in termination of the Special Land Use Permit.

BE IT FURTHER RESOLVED, Except as herein specifically provided, Hazel Ravines Downtown and its heirs, successors, and assigns shall be bound by all ordinances of the City of Birmingham in effect at the time of the issuance of this permit, and as they may be subsequently amended. Failure of Hazel Ravines and Downtown to comply with all the ordinances of the City may result in the Commission revoking this Special Land Use Permit.

MAY IT BE FURTHER RESOLVED that Hazel Ravines Downtown is recommended for the operation of a food and drink establishment serving alcoholic beverages on premises with a Class C Liquor License, at 34977 Woodward Avenue, Birmingham, Michigan, 48009, above all others, pursuant to Chapter 10, Alcoholic Liquors, of the Birmingham City Code, subject to final inspection.

I, Cherilynn Mynsberge, City Clerk of the City of Birmingham, Michigan, do hereby certify that the foregoing is a true and correct copy of the resolution adopted by the Birmingham City Commission at its regular meeting held on June 25, 2018.

Cherilynn Mynsberge, City Clerk



CITY OF BIRMINGHAM
Date 04/16/2018 2:23:00 PM

Ref 00147505
Receipt 423209
Amount \$100.00

APR 13 2018

CITY OF BIRMINGHAM
COMMUNITY DEVELOPMENT DEPARTMENT

Special Land Use Permit Application – Economic Development License Planning Division

1. Applicant

Name: BETH HUSSEY
Address: 3444 CHICKERING LANE
BLOOMFIELD HILLS, MI 48302
Phone Number: 248-765-0237
Fax Number:
Email Address: BETH.HUSSEY@GMAIL.COM

Property Owner

Name: CATALYST DEVEL / PATTI OWENS
Address: 100 W MICHIGAN AVE STE 300
KALAMAZOO, MI 49007
Phone Number: 269-492-6810
Fax Number: 269-492-6811
Email Address: POWENS@CATALYSTDEVCO.COM

2. Applicant's Attorney/Contact Person

Name: KEVIN BLAIR
Address: 222 N. WASHINGTON SQUARE
LANSING, MI 48933
Phone Number: 517-377-0278
Fax Number: 517-484-8286
Email Address: KBLAIR@HONIGMAN.COM

Project Designer/Developer

Name: RONAND ROMAN, INC
Address: 275 E. FRANK ST
BIRMINGHAM, MI 48009
Phone Number: 248-723-5790
Fax Number:
Email Address: ROMAN@RONANDROMAN.COM

3. Required Attachments

- Warranty Deed with legal description of property
- Certified Land Survey
- Signed Contract
- Catalog sheets for all proposed lighting & outdoor furniture
- Photographs of existing site and buildings
- Samples and/or specification sheets of all materials to be used
- Landscape Plan showing all existing and proposed elements

- Completed Checklist
- Proof of ability to finance the proposed project
- Required fee (see Fee Schedule for applicable amount)
- Fifteen (15) folded copies of plans including color elevations showing all materials and an itemized list of all changes for which approval is requested with the changes marked in color
- One (1) additional set of plans mounted on a foam board, including a color rendering of each elevation

4. Project Information

Address/Location of Property: 34977 WOODWARD AVE
BIRMINGHAM, MI 48009
Name of Proposed Restaurant: HAZEL, RAVINES & DOWNTOWN
Sidwell #: 08-19-36-267-001
Current Use: RESTAURANT
Proposed Use: RESTAURANT
Area in Acres: N.A.
Current Zoning: B-4, D-4 overlay
Zoning of Adjacent Properties: B-4, B-2
Is there a current SLUP in effect for this site?: YES.

#100
Name of Historic District site is in, if any: N.A.
Date of HDC Approval, if any: N.A.
Date of Application for Preliminary Site Plan:
Date of Preliminary Site Plan Approval:
Date of Application for Final Site Plan:
Date of Final Site Plan Approval:
Date of Revised Final Site Plan Approval:
Date of Final Site Plan Approval:
Date of DRB approval, if any:
Date of Last SLUP Amendment:

5. Details of the Nature of Work Proposed (Site plan & design elements)

SEE ATTACHMENT

CITY OF BIRMINGHAM
Date 04/16/2018 2:23:00 PM
Ref 00147505
Receipt 423209
Amount \$2,700.00

6. Buildings and Structures existing on site

Number of Buildings on site: 1
Height of Building & # of stories: EXIST.

Use of Buildings: MIXED USE RESID/OFF/RESTAUR
Height of rooftop mechanical equipment: EXIST.

7. Floor Use and Area (in square feet)

Structures:

Restaurant Space: 1ST FLR 8,295/BSMNT
Office space: N.A.
Total floor area: _____

Retail space: N.A.
Number of Residential Units: N.A.
Rental or Condominium: N.A.

8. Proposed Restaurant Operation

Number of Indoor Seats: 212
Number of Outdoor Seats: 20
Entertainment Proposed: NONE
Years of Experience in Birmingham: NONE
Previous LCC Complaints?: N.A.
Tables provided along street façade: N.A.
Required front setback: N.A.
Required rear setback: N.A.
Required total side setback: N.A.

Type of Cuisine: ECLECTIC
Bar Area? YES
Number of Seats at bar: 26
Years of Experience outside of Birmingham: 30+20
Full Service Kitchen? YES
Percentage of glazing proposed: N.A.
Proposed front setback: N.A.
Proposed rear setback: N.A.
Proposed total side setback: N.A.

9. Outdoor Dining Facility

Location (sidewalk right-of-way or on-street parking space):
NEITHER - CONVERTING EXIST VESTIBULE INTO NEW INDOOR/OUTDOOR PATIO
Hours of operation: _____
Width of unobstructed sidewalk between door and café (5' required):
6' CLEAR - ALL TABLES & CHAIRS ON PRIVATE PROPERTY
Platform proposed: N.A.
Trash receptacles: YES

Number of tables/chairs: 20 CHAIRS / 10 TABLES
Material of tables/chairs: METAL
Table umbrellas height and material: N.A.
Number and location of parking spaces: N.A.
Screenwall material: N.A.
Enclosure material: N.A.

10. Required and Proposed Parking

Number of parking spaces: N.A. - CBD PARKING
Location of off site parking: N.A.
Screenwall material: N.A.

Location of parking spaces: N.A.
Shared Parking Agreement?: N.A.
Height of screenwall: N.A.

11. Landscaping

Location of landscape areas: @ NORTH EAST CORNER OF PROPERTY & @ (2) NEW PLANTERS OUTSIDE OF BLDG ENTRY / WHICH IS ALSO PART OF THE NEW INDOOR/OUTDOOR PATIO

Proposed landscape material: _____

12. Streetscape

Sidewalk width: _____
Number of benches: _____
Number of planters: 2
Number of existing street trees: _____
Number of proposed street trees: N.A.
Streetscape Plan submitted?: N.A.

Description of benches or planters: _____
Species of existing street trees: _____
Species of proposed street trees: _____

13. Loading

Required number of loading spaces: EXISTING - N.A. Proposed number of loading spaces: EXISTING - 1
Location of loading spaces on the site: ADJACENT TO BLDG.

14. Mechanical Equipment

Ground Mounted Mechanical Equipment:

Number of ground mounted units: N.A. Location of all ground mounted units: N.A.
Size of ground mounted units (LxWxH): N.A.
Screenwall material: N.A. Height of screenwall: N.A.

Rooftop Mechanical Equipment:

Number of rooftop units: EXISTING - N.A. Location of all ground mounted units: N.A.
Type of rooftop units: N.A. Size of rooftop units (LxWxH): N.A.
Screenwall material: N.A. Height of screenwall: N.A.
Location of screenwalls: N.A. Percentage of rooftop covered by mechanical units: N.A.
Distance from units to rooftop units to screenwall: N.A.

15. Lighting

Number of light standards on building: EXIST. Type of light standards on building: "
Size of light fixtures (LxWxH): " Height from grade: "
Maximum wattage per fixture: " Proposed wattage per fixture: "
Parking lot lighting: "

The undersigned states the above information is true and correct, and understands that it is the responsibility of the applicant to advise the Planning Division and / or Building Division of any additional changes made to an approved site plan or Special Land Use Permit. The undersigned further states that they have reviewed the procedures and guidelines for site plan review and Special Land Use Permits in Birmingham and have complied with same. The undersigned will be in attendance at the Planning Board meeting when this application will be discussed.

Signature of Owner: _____ Date: _____

Print Name: _____

Signature of Applicant: [Signature] Date: 4/13/18

Print Name: BETH HUSSEY

Signature of Architect: [Signature] Date: 4/13/18

Print Name: R. BONISLAWSKI

Office Use Only

Application #: _____ Date Received: _____ Fee: _____

Date of Approval: _____ Date of Denial: _____ Accepted by: _____



Notice Signs - Rental Application Community Development

1. Applicant

Name: Beth Hussey
Address: 3422 Chickering Lane
Bloomfield Hills, MI 48302
Phone Number: 248-765-0237
Fax Number: —

Property Owner

Name: Catalyst Development / Pathi Owens
Address: 100 W. Michigan Ave. Ste 300
Kalamazoo, MI 49007
Phone Number: 269-492-6810
Fax Number: —

2. Project Information

Address/Location of Property: 34977 Woodward Ave. #100
Name of Development: Hazel Ravines & Downtown
Area in Acres: —

Name of Historic District site is in, if any: N.A.
Current Use: A-2
Current Zoning: B-4, D-4 overlay

3. Date of Board Review

Board of Building Trades Appeals: —
City Commission: —
Historic District Commission: —
Planning Board: —

Board of Zoning Appeals: —
Design Review Board: —
Housing Board of Appeals: —

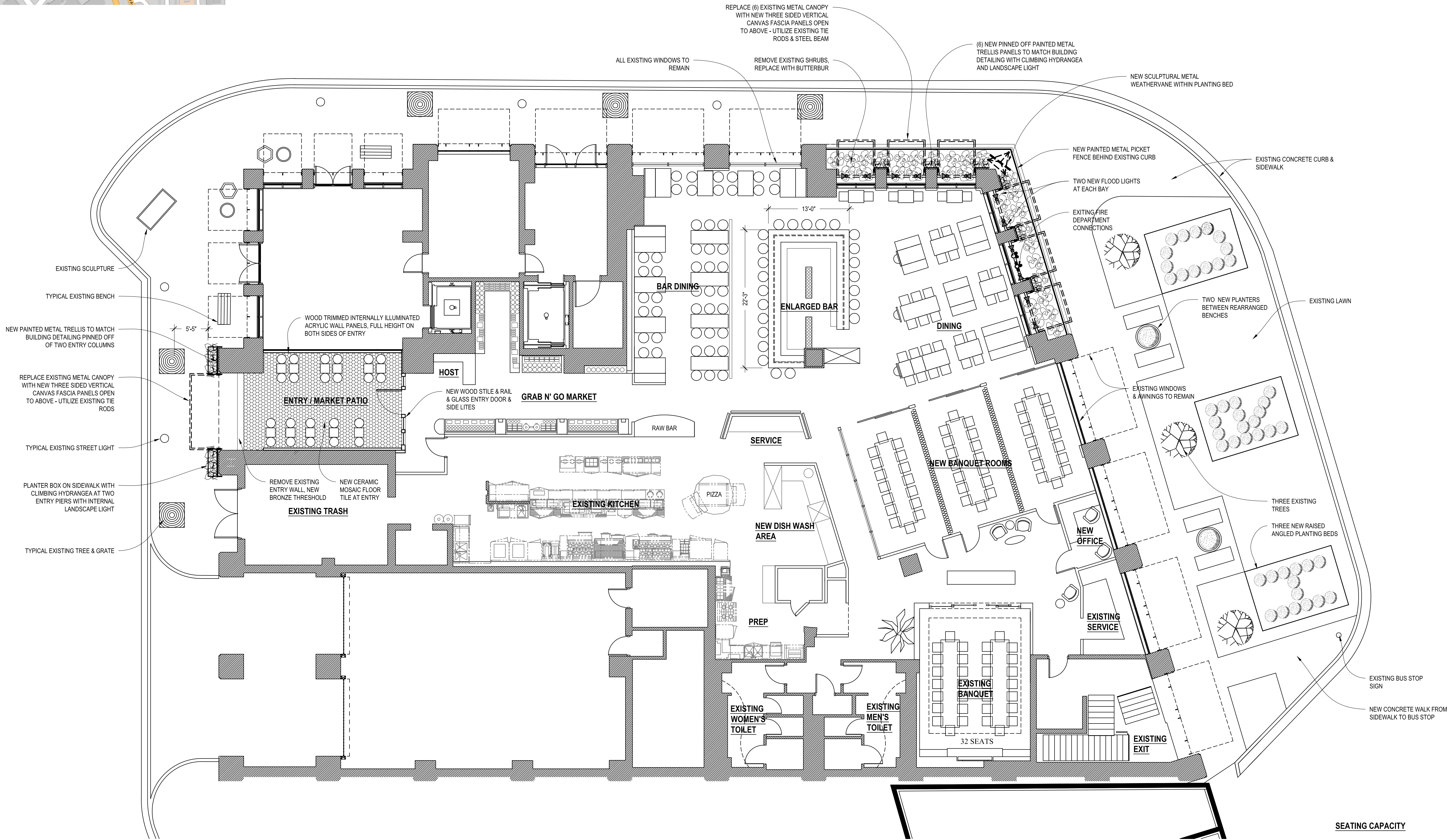
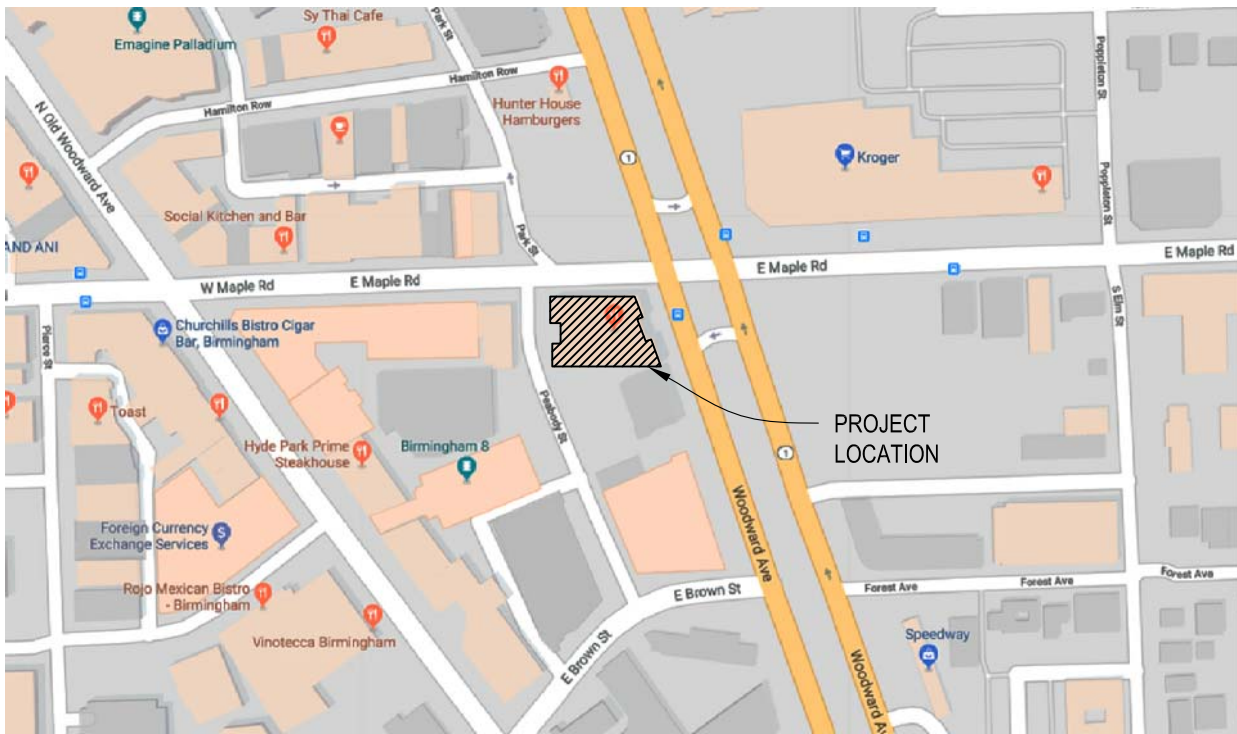
The undersigned states the above information is true and correct, and understands that it is the responsibility of the applicant to post the Notice Sign(s) at least 15 days prior to the date on which the project will be reviewed by the appropriate board or commission, and to ensure that the Notice Sign(s) remains posted during the entire 15 day mandatory posting period. The undersigned further agrees to pay a rental fee and security deposit for the Notice Sign(s), and to remove all such signs on the day immediately following the date of the hearing at which the project was reviewed. The security deposit will be refunded when the Notice Sign(s) are returned undamaged to the Community Development Department. Failure to return the Notice Sign(s) and/or damage to the Notice Sign(s) will result in forfeiture of the security deposit.

Signature of Applicant: [Signature]

Date: 4/13/18

Office Use Only

Application #: <u>—</u>	Date Received: <u>—</u>	Fee: <u>—</u>
Date of Approval: <u>—</u>	Date of Denial: <u>—</u>	Reviewed by: <u>—</u>



1 MAIN FLOOR PLAN
scale: 1/8" = 1'-0"

SEATING CAPACITY

DINING	50
BAR DINING	56
BAR	24
BANQUET	86
TOTAL	210

MARKET PATIO - 20

Project:

HAZEL RAVINES & DOWNTOWN
Renovation to an Existing Restaurant
34977 Woodward Ave #100, Birmingham, MI 48009

Seal:

Issue Date:

SLUP	04/30/18

Sheet Title:

MAIN
FLOOR PLAN

Sheet Number:

Project:

HAZEL RAVINES & DOWNTOWN
Renovation to an Existing Restaurant
34977 Woodward Ave #100, Birmingham, MI 48009

Seal:

Issue Date:

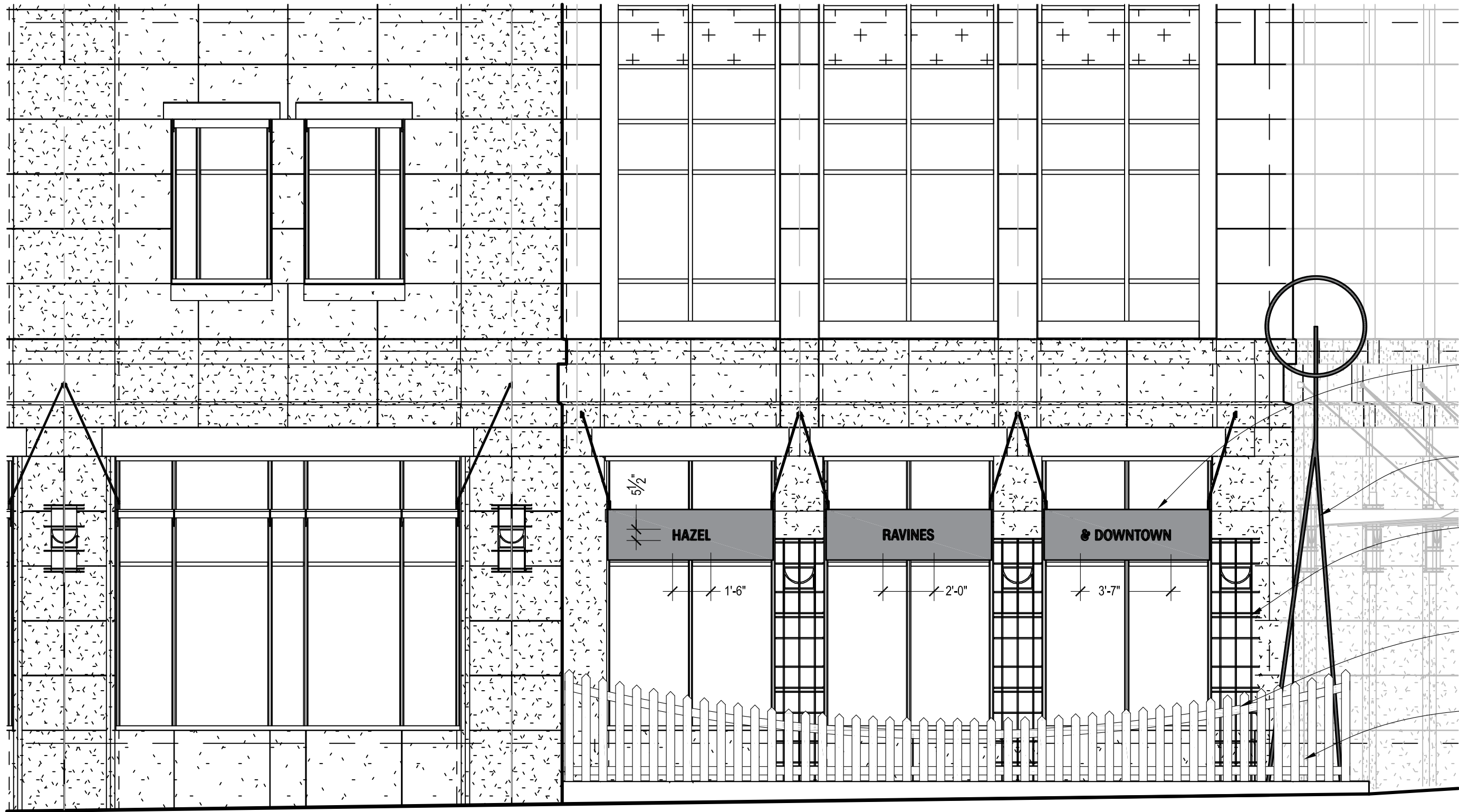
SLUP	04/30/18
------	----------

Sheet Title:

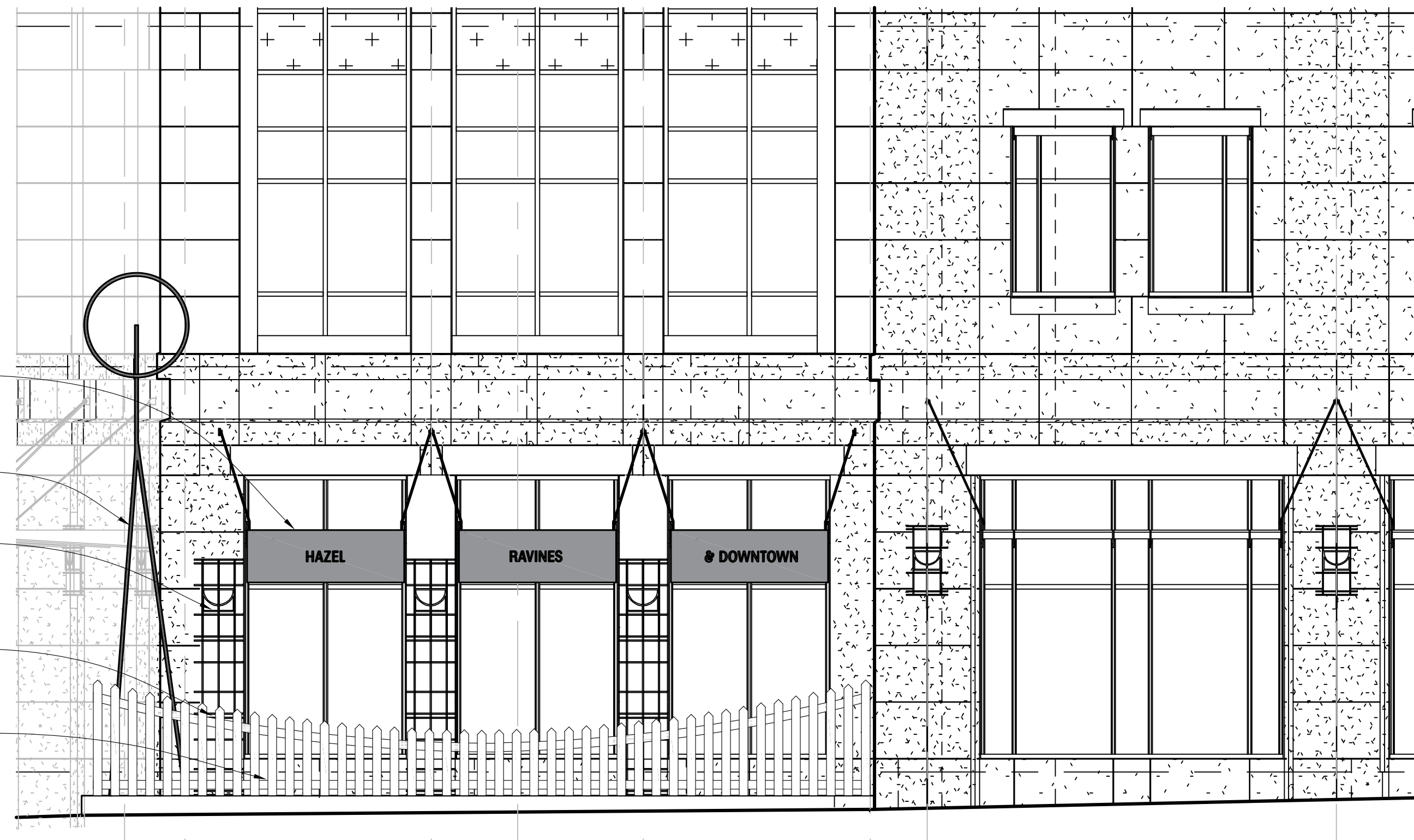
MAIN
FLOOR PLAN

Sheet Number:

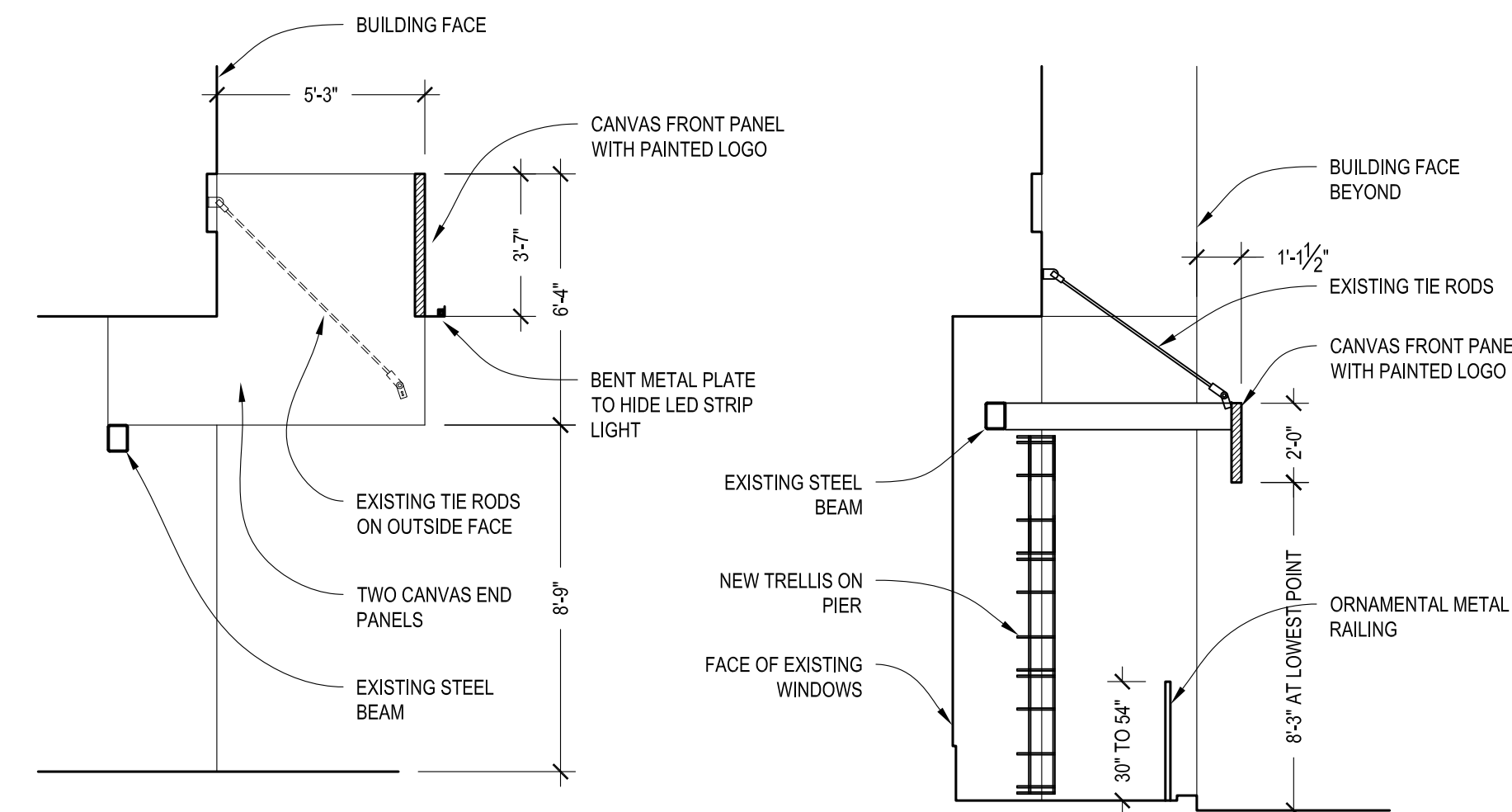
A-2



1 EAST ELEVATION - FACING WOODWARD
scale: 1/4" = 1'-0"

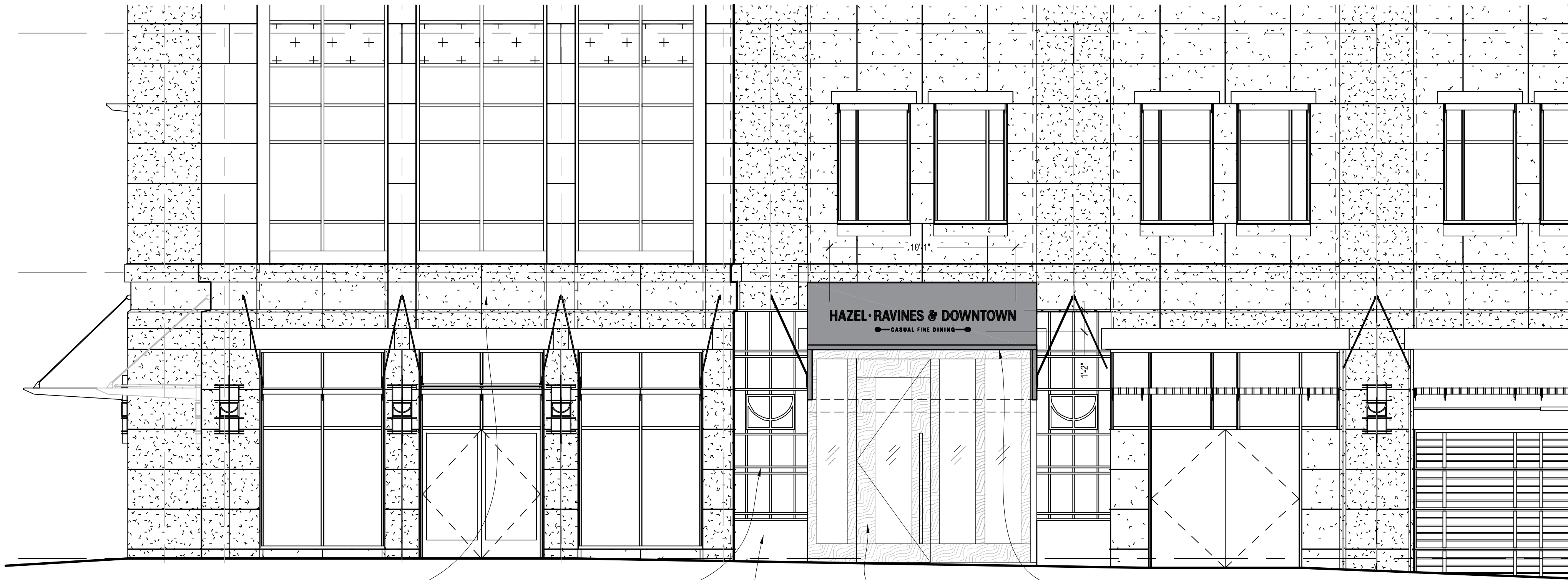


2 NORTH ELEVATION - FACING MAPLE
scale: 1/4" = 1'-0"



5 SECTION AT ENTRY CANOPY
scale: 1/4" = 1'-0"

4 SECTION AT PLANTING BED
scale: 1/4" = 1'-0"



3 WEST ELEVATION - FACING WOODWARD
scale: 1/4" = 1'-0"

REPLACE (6) EXISTING METAL CANOPY
WITH NEW THREE SIDED VERTICAL
CANVAS FASCIA PANELS OPEN
TO ABOVE - UTILIZE EXISTING TIE
RODS & STEEL BEAM

PAINTED CUSTOM METAL WIND MILL
SCULPTURE WITH DIRECTIONAL
SIGNAGE - LIT BY FLOOD LIGHT BELOW

(6) NEW PINNED OFF PAINTED METAL
TRELLIS PANELS TO MATCH BUILDING
DETAILING WITH CLIMBING HYDRANGEA
AND LANDSCAPE LIGHT
- REMOVE (6) EXISTING SCONCES

PAINTED CUSTOM METAL FLAT STOCK
ORNAMENTAL RAILING BEHIND EXISTING
STONE CURB - 30" UP TO 54" TALL

BUTTERBUR BEYOND PLANTED IN EXISTING
PLANTING BED

REMOVE THREE EXISTING SIGN
"THE STAND" WALL SIGNS

TWO NEW PINNED OFF PAINTED METAL
TRELLIS PANELS TO MATCH BUILDING
DETAILING - REMOVE (2) EXISTING
SCONCES

TWO PLANTERS ON SIDEWALK WITH
CLIMBING HYDRANGEA
AND LANDSCAPE LIGHT

NEW RECESSED ENTRY IN
WOOD STILE & RAIL & GLASS,
CUSTOM DOOR PULL

REPLACE EXISTING METAL CANOPY WITH NEW THREE SIDED
VERTICAL CANVAS FASCIA PANELS OPEN TO ABOVE
- UTILIZE EXISTING TIE RODS & STEEL BEAM
- LOGO PAINTED ON FASCIA LIT BY LED STRIP LIGHT AT BOTTOM OF FASCIA



HAZEL

RAVINES

& DOWNTOWN

ENTRANCE ON PEABODY

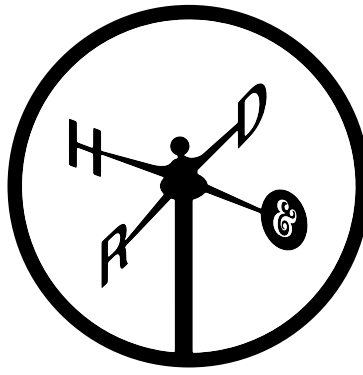
HAZEL

RAVINES

DOWNTOWN

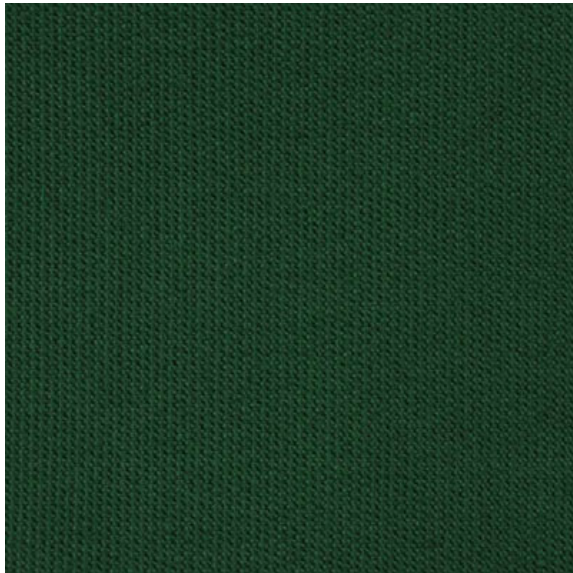


HAZEL RAVINES & DOWNTOWN
CASUAL FINE DINING



HAZEL · RAVINES & DOWNTOWN

— CASUAL FINE DINING —



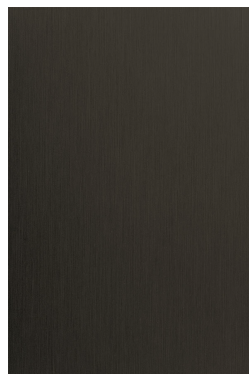
NEW CANVAS COLOR
SUNBRELLA FOREST GREEN



EXISTING MANKATO STONE
ON BUILDING



LOGO COLOR
PANTONE 396C



EXISTING BRONZE
ALUMINUM WINDOW SASH



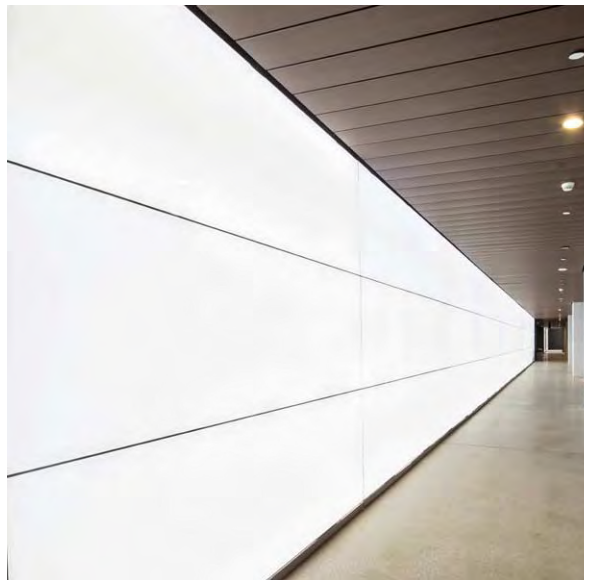
PAINTED METAL
TRELLIS COLOR



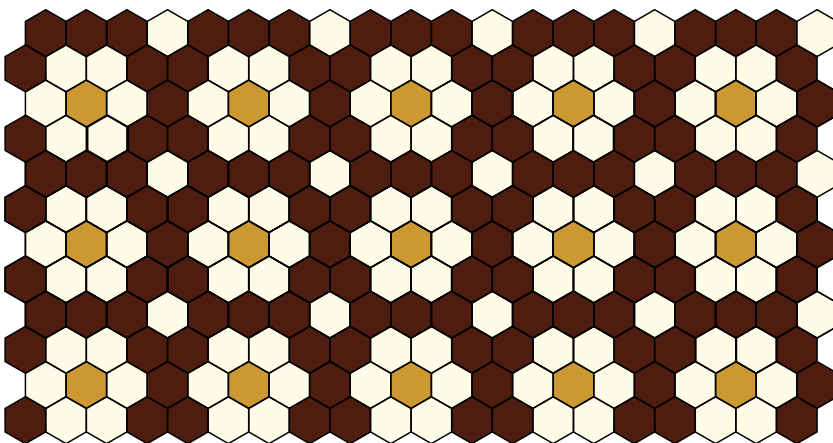
MARKET PATIO TABLE & CHAIR
FERMOB METAL FOLDING BISTRO COLLECTION IN "POPPY"



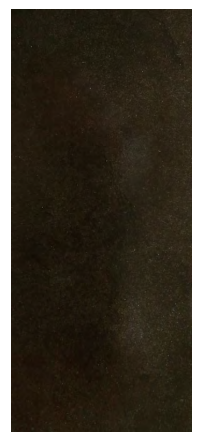
HONEY OAK STILE & RAIL ENTRY & WOOD
WALL TRIM



ILLUMINATED WALL PANELS



CERAMIC MOSAIC 1" HEX FLOOR TILE AT ENTRY,
CINNABAR, CRISP LINEN, LUMINARY GOLD



BRONZE PLATE



BUTTERBUR PLANTS IN EXISTING PLANTING BED



CLIMBING HYDRANGEA
ON TRELLISES



SKYROCKET JUNIPER
IN TERRA COTTA POT



PRUNED EVERGREEN SHRUB LETTERS IN CORTEN
FRAMED ANGLED PLANTING BED



IRON OXIDE STEEL PRIMER COLOR ON
ORNAMENTAL RAILING

FLF15 / FLF30 / FLF50



Flood lights

This series has a thin, smart and stylish shape with excellent cooling and high lumen efficacy of 115-120 lm/w. With various mounting options, this series is a great choice for anyone needing large amounts of light at a energy saving cost.

Features

- Corrosion-Resistant Coating Finish
- Imported high-dense aluminum alloy housing
- High transparency and weather resistant lens
- Color options: **Bronze**, Black, White, Gray

Applications

- Architecture
- Sports grounds
- Billboards
- High Ways
- Tunnels, Bridges



Installation Diagram

Specifications

General	Model:	FLF15	FLF30	FLF50
	Lumen Efficacy:	115 lm / w	115 lm / w	120 lm / w
	Lumen Output:	1,725 lm	2,700 lm	6,000 lm
Electrical	Input Power:	15W	30W	50W
	Input Voltage:	100-277V	100-277V	100-277V
	Power Factor:	>90%	>90%	>90%
Color	Color Temperature (CCT):	3000k - 5700k	3000k - 5700k	3000k - 5700k
	Color Rendering Index (CRI):	>80	>80	>80
Optional	Dimmable:	Yes	Yes	Yes
	Dimensions:	Yoke 4.66 in x 4.25 in x 1.5 in Knuckle 6.89 in x 4.76 in x 3.07 in	6.6 in x 6.75 in x 1.6 in 4.72 in x 3.27 in x 2.60 in	7.8 in x 8.5 in x 1.8 in 8.62 in x 5.94 in x 3.54 in
	Rating:	IP65	IP65	IP65
	Warranty:	5 Year	5 Year	5 Year
	Mounting Option:	YK(Yoke)/KN (Knuckle)	YK(Yoke)/KN (Knuckle)	YK(Yoke)/KN (Knuckle)

Tiparillo Accent Litter

Halogen: FL-103B-MR8-20
LED: FL-103B-LED-T3-4

Halogen

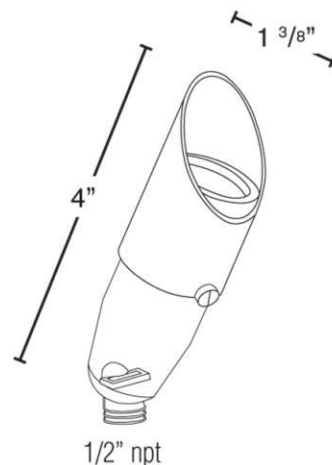
Model#: FL-103B-MR8-20
Size: 1 3/8" W X 4" L
Material: Solid Brass
Finish: Natural Bronze
Mounting: 1/2" NPT stake included
Lens: Clear Tempered
Electrical: 12V AC
Lamp: 20W MR8
Light Spread: Up to 10 ft. x 30 degree
Lumens: 800 avg.
Lamp Life: 2,000 hours avg.

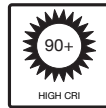
LED

Model#: FL-103B-LED-T3-4
Size: 1 3/8" W X 4" L
Material: Solid Brass
Finish: Natural Bronze
Mounting: 1/2" NPT stake included
Lens: Clear Tempered
Electrical: 9v – 15v AC
Lamp: 4W T3
Kelvin: 3000k, Warm White
Compare to: 20w MR8
Light Spread: Up to 10 ft. x 30 degree
Lumens: 320 avg.
Lamp Life: 30,000 hours avg.

Key Features:

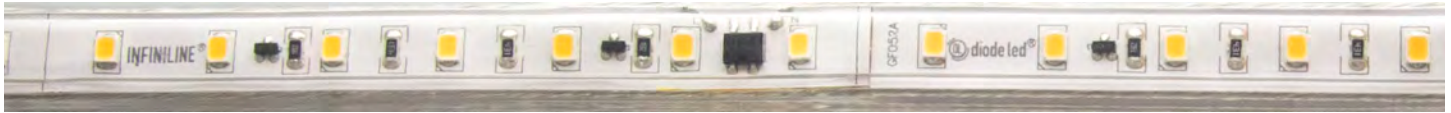
Solid brass material with natural finish.
Tempered lens.
High temperature socket and O ring.
Adjustable glare shield and light source allows for varying beam control.
Heavy construction (tool-less).





Item #

Project

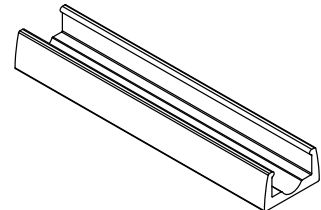
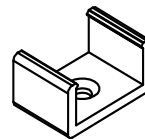


INFINILINE® X		
Voltage/Wattage		120V / 4.57W/ft.
Lumens¹	2700K	452 Lm/ft.
	3000K	502 Lm/ft.
	3500K	461 Lm/ft.
	4000K	462 Lm/ft.
	4500K	443 Lm/ft.
	6000K	510 Lm/ft.
Max. Run²		200 feet
Custom Produced		4 in. Increments
LED Chips		36/foot
Color Temperature		2700, 3000, 3500, 4000, 4500, 6000
CRI		90+
Dimmable		No
Field Cuttable		No
Dimensions		0.31 x 0.1 in. (W x H)
Environment		Outdoor / Wet Location / IP65
Certificatio		UL Listed 2388
Warranty		5-Year Warranty

ADDITIONAL ACCESSORIES

Accessories listed below fully support our Tape Light product line. Further information on these products and more accessories can be found in our latest catalog or online at www.DiodeLED.com.

SKU	DESCRIPTION
DI-INF-MTCL-5	MOUNTING CLIP (5 PACK) Small clip used to secure INFINILINE® X LED Strip Light. Includes 5 clips and 5 screws.
DI-INF-MTCH	MOUNTING CHANNEL Cuttable channel used to secure INFINILINE® X LED Strip Light.



Visit the product page at www.DiodeLED.com for installation guides, .IES files, voltage drop charts, and LM-79 reports

SKU Builder

DL

DI

-

120V

-

INFX

-

CSTM³

(length)

Voltage

Model

Color Temp

Length

27	40
30	45
35	60

Example: DI-120V-INFX42-CSTM-20' = Diode, 120 Volt, INFINILINE®, 4,200° CCT, 20 feet custom cut.



MEMORANDUM

Planning Division

DATE: May 16th, 2018

TO: Jana Ecker, Planning Director

FROM: Nicholas Dupuis, Planning Intern

SUBJECT: 34977 Woodward – Hazel Ravines and Downtown – Special Land Use Permit, Final Site Plan & Design Review

Executive Summary

The subject site is located at 34977 Woodward on the west side of Woodward, on the southwest corner of Woodward and Maple. The parcel is zoned B-4, Business-Residential and D-4 in the Downtown Overlay District.

The applicant is proposing to make several design changes to the exterior of the building including replacing awnings, adding planters/landscaping, and reworking the vestibule. The proposed new restaurant, Hazel Ravines Downtown, will replace the former restaurant, The Stand.

Chapter 10 of the Birmingham City Code requires that the applicant obtain a Special Land Use Permit Amendment and approval from the City Commission to make changes to an establishment with an Economic Development License within the City of Birmingham. Accordingly, the applicant will be required to obtain a recommendation from the Planning Board on the Final Site Plan and Design Review and Special Land Use Permit, and then obtain approval from the City Commission for the Final Site Plan and Design Review, and Special Land Use Permit.

1.0 Land Use and Zoning

- 1.1 Existing Land Use – The site is currently used as a mixed-use commercial building (Greenleaf Trust) with 4th and 5th floor residential units. The tenant space changes applied for are located in the first floor restaurant space.
- 1.2 Existing Zoning – The property is currently zoned B-4, Business-Residential, and D-4 in the Downtown Overlay District. The existing use and surrounding uses appear to conform to the permitted uses of each Zoning District.
- 1.3 Summary of Land Use and Zoning - The following chart summarizes existing land use and zoning adjacent to and/or in the vicinity of the subject site.

	North	South	East	West
Existing Land Use	Commercial/ Parking	Vacant	Vacant Commercial	Commercial
Existing Zoning District	B-4, Business Residential	B-4, Business Residential	B-2, General Business	B-4, Business Residential
Downtown Overlay Zoning District	D-4	D-4	D-4	D-4
Triangle Overlay District	N/A	N/A	N/A	N/A

2.0 Screening and Landscaping

2.1 Screening – No changes are proposed at this time.

2.2 Landscaping – The applicant is proposing no removals of existing landscaping. Rather, the applicant is proposing to add several landscape elements including:

- Three new raised angled planting beds with pruned evergreen shrubs formed to read “HRD” on the east road berm, facing Woodward in the MDOT right-of-way.
- Two new planters along the Woodward streetscape placed in between rearranged existing benches. Planters to be filled with Skyrocket Juniper in terracotta pots.
- Replacing shrubs in the corner garden with Butterbur plants as well as adding painted metal trellises with Climbing Hydrangea approximately 9 ft. in height.
- Two new planter boxes along the building western façade, adjacent to the proposed reworked entrance to the indoor/outdoor patio. Planter boxes are to be filled with Climbing Hydrangea on painted metal trellises approximately 9 ft. in height.

The applicant complies with Article 4, Section 4.20 (Landscaping) of the Zoning Ordinance.

3.0 Parking, Loading, Access, and Circulation

3.1 Parking – The subject site is located within the Parking Assessment District, thus the applicant is not required to provide on-site parking for the restaurant use.

3.2 Loading – No changes are proposed at this time.

-
- 3.3 Vehicular Access & Circulation - Vehicular access to the building will not be altered.
 - 3.4 Pedestrian Access & Circulation – The western entry is proposed to be reworked, thus all pedestrian access to the new restaurant will be on Peabody. Pedestrian access to the office uses above will remain on Maple.
 - 3.5 Streetscape – The applicant is proposing to rearrange four existing benches along the eastern (Woodward) streetscape to make room for two planters in between them. The applicant is also proposing the aforementioned planters in the Woodward right-of-way with bushes spelling the letters “H R D.” No other changes are proposed to the streetscape; however, the Planning Board may wish to require the addition of bike racks or waste receptacles where they see fit.

The applicant is also proposing to add a new concrete walk from the existing sidewalk to the existing bus stop area located at the southeast corner of the property. This addition will support the intent of Birmingham’s Multi-Modal Transportation Plan in that the concrete pad will upgrade the physical environment of the transit facility creating a safer and more comfortable environment for transit users and pedestrians, as well as make it more handicap accessible. **The Planning Board may also wish to require the applicant to add a bench or bike rack to this location.**

4.0 Lighting

The applicant is proposing to remove (8) of the existing decorative sconces where the new trellises are proposed. Also, the applicant is proposing the addition of two new exterior floodlights at each bay around the architectural features on the east and north elevations. The applicant has submitted specification sheets for two separate styles of light fixtures. The proposed flood light fixtures are bronze in color, have a 1,725 lumen output, and measure roughly 5 x 4 x 2 inches in dimension. The second light fixture for which specification sheets were supplied, have a natural brass finish, can be halogen (800 lumen) or LED (320 lumen), and are roughly 2 x 4 inches in dimension.

The new lights are proposed to be installed on the ground and directed upwards to illuminate the architectural bays on the building. The landscape lights would also be installed on the ground at each of the trellis locations, directed upwards onto the trellis plantings. **The Planning Board may wish to approve the lighting if they see fit.**

Article 4, Section 4.21 of the Zoning Ordinance requires all light fixtures to be full cutoff or cutoff, as defined in Section 9.02, and positioned in a manner that does not unreasonably invade abutting or adjacent properties. Exception to cutoff luminaries can be made at the discretion of the Planning Board, Historic District Commission, or Design Review Board under any of the following conditions:

- a. The distribution of upward light is controlled by means of refractors or shielding to the effect that it be used solely for the purpose of decorative enhancement of

the luminaire itself and does not expel undue ambient light into the nighttime environment.

- b. The luminaire is neither obtrusive nor distracting, nor will it create a traffic hazard or otherwise adversely impact public safety, with appropriate methods used to eliminate undesirable glare and/or reflections.
- c. The luminaire is consistent with the intent of the Master Plan, Urban Design Plan(s), Triangle district plan, Rail District plan and/or Downtown Birmingham 2016 Report, as applicable.
- d. The scale, color, design or material of the luminaire will enhance the site on which it is located, as well as be compatible with the surrounding buildings or neighborhood.
- e. Lighting designed for architectural enhancement of building features (i.e. architectural enhancement lighting). Appropriate methods shall be used to minimize reflection and glare.
- f. The site lighting meets all requirements set forth in this ordinance including, but not limited to, light trespass and nuisance violations.

5.0 Departmental Reports

- 5.1 Engineering Division – The Engineering Department has provided the following comments.

- The existing sidewalk on the west side of the building is already minimal. Installing planter boxes that take this below the minimum five feet is inappropriate.

- 5.2 Department of Public Services – No comments have been received at the time of this time.

- 5.3 Fire Department – The Fire Department has given the following comments:

The fire department has no concerns with the concept of this proposed project. But, looking at the supplied plans, they appear to be also remodeling areas inside this existing restaurant, along with the vestibule, and the dining patio. **Floor plans, fire suppression plans, and fire alarm plans will need to be submitted for reviews.**

Also note, the occupant load schedule lists seating at 20 for the Market Patio, but the plan depicts seating for 22 people.

- 5.4 Police Department – The Police Department has no concerns at this time.

- 5.5 Building Division – No comments had been received at the time of this report.

6.0 Design Review

The applicant is proposing the following changes to the first floor restaurant space:

1. Replace 6 existing aluminum awnings with new fabric awnings (Sunbrella "Forest Green") on painted metal frames.
2. Rework landscaping in corner landscape beds with new proposed ground mounted sculptural signage letters (Pantone "396 C") and new groundcover with landscaping lighting, as well as a new painted metal fence (Iron Oxide Steel Primer) behind the existing curb. Trellises will also be installed on the façade to support climbing hydrangeas.
3. Remove the existing metal canopy over the west entrance and remove the glass storefront entry wall to convert the entry vestibule into an indoor/outdoor seating patio. The canopy will be replaced with a new fabric awning (Sunbrella "Forest Green") on a painted metal frame with new signage above. The new patio will have illuminated wall panels and new tile flooring (Ceramic Mosaic Hex Tile "Cinnabar, Crisp Linen, Luminary Gold").

The applicant has submitted details and samples on the proposed design materials and colors.

The proposed fabric awnings will be colored Forest Green (by Sunbrella). The valences will contain signage colored Pantone 396 C (a flat yellow). Signage details are provided in the next section.

SIGNAGE

The applicant is proposing signage along the replaced canopies at the northeast corner of the building, as well as over the new entry canopy on the west entrance. The proposed signs for the project are indicated at nine (9) different locations. Seven of the new canopies have signage proposed, the large weathervane sculpture is considered a sign, and the hedges proposed to spell the initials of the restaurant would be considered a sign under the definition of a sign in the Sign Ordinance.

Article 01 section 1.10 B(4)(d) states the following; *Each business whose principle square footage is on the first story, may have one sign per entry.* **The proposal does not meet these requirements. The applicant is located on the first floor however they only have one entrance which permits only one sign.** Article 01 section 1.10 B(4) states the following; *A single external sign band or zone may be applied to the facade of a building between the first and second floors, provided that it shall be a maximum of 1.5 feet in vertical dimension by any horizontal dimension. Woodward Avenue Address: The external sign band or zone shall be a maximum of 2 feet in vertical dimension by any horizontal dimension.* **The proposal meets this requirement.**

The proposed canopy signs at the northeast corner involve 6 canopies with one word per canopy. The signs read "Hunter Ravines & Downtown" in the aforementioned Pantone 396 C flat yellow color. The total signage dimensions for the each set of signage (one on Woodward frontage and one on Maple frontage) is 7 ft. 1 in. wide by 5 ½ in. tall, which equals around 3.22 sq. ft. per sign. There are six total signs, which equal 19.32 sq. ft. of signage total.

The signage located at the west entrance along Peabody St. is located on a canopy over the reworked entrance to the indoor/outdoor dining area. The signage measures 10 ft. 1 in. wide by 1 ft. 2 in. tall. The west entrance canopy signage is proposed to be lit by an LED strip located

at the bottom of the fascia. **The applicant will need to submit the specifications on the LED stripping before City Commission approval.**

The landscaping beds located in the road berm along Woodward containing pruned evergreen shrub letters H, R, and D must also be considered a sign based on the definition of "Sign" given in Article 3, Section 3.02 of the Sign Ordinance. Article 1, Section 1.03 (G) further states that no sign shall be erected or placed in the public right of way. The road berm located in front of the proposed restaurant is considered a public right of way, thus no signage is allowed.

Finally, the applicant is proposing a sculptural metal weathervane in the landscaping bed at the northeast corner of the building. The turning element of the weathervane contains the letters H, R and D, and an arrow is proposed to read "Entrance on Peabody." Although no dimensions are given, the weathervane appears to rise over 8 ft. in height, which is greater than the maximum height allowed for a ground sign. The weathervane appears to be a pole sign and would fall under the prohibited sign types outlined in Article 1, Section 1.03 (E) of the Sign Ordinance.

The applicant must remove the evergreen shrub letter sign, as it is in the public rights of way, remove the weathervane pole sign (or submit specifications showing dimensions equaling no greater than 30 sq. ft. per side and a maximum of 8 ft. tall), and reduce the number of signs to one or obtain a variance from the Board of Zoning Appeals.

7.0 Downtown Birmingham 2016 Overlay District

The site is located within the D-4 zone of the DB 2016 Regulating Plan, within the Downtown Birmingham Overlay District. The D-4 zone encourages mixed use, five story buildings such as this. Restaurant use on the first floor is permitted under the definition of retail contained in Article 9, section 9.02, Definitions, in the Zoning Ordinance.

8.0 Approval Criteria for Final Site Plan

In accordance with Article 7, section 7.27 of the Zoning Ordinance, the proposed plans for development must meet the following conditions:

- (1) The location, size and height of the building, walls and fences shall be such that there is adequate landscaped open space so as to provide light, air and access to the persons occupying the structure.
- (2) The location, size and height of the building, walls and fences shall be such that there will be no interference with adequate light, air and access to adjacent lands and buildings.
- (3) The location, size and height of the building, walls and fences shall be such that they will not hinder the reasonable development of adjoining property not diminish the value thereof.

-
- (4) The site plan, and its relation to streets, driveways and sidewalks, shall be such as to not interfere with or be hazardous to vehicular and pedestrian traffic.
 - (5) The proposed development will be compatible with other uses and buildings in the neighborhood and will not be contrary to the spirit and purpose of this chapter.
 - (6) The location, shape and size of required landscaped open space is such as to provide adequate open space for the benefit of the inhabitants of the building and the surrounding neighborhood.

9.0 Approval Criteria for Special Land Use Permits

Article 07, section 7.34 of the Zoning Ordinance specifies the procedures and approval criteria for Special Land Use Permits. Use approval, site plan approval, and design review are the responsibilities of the City Commission. This section reads, in part:

Prior to its consideration of a special land use application (SLUP) for an initial permit or an amendment to a permit, the City Commission shall refer the site plan and the design to the Planning Board for its review and recommendation. After receiving the recommendation, the City Commission shall review the site plan and design of the buildings and uses proposed for the site described in the application of amendment.

The City Commission's approval of any special land use application or amendment pursuant to this section shall constitute approval of the site plan and design.

10.0 Suggested Action

Based on a review of the site plans submitted, the Planning Division recommends that the Planning Board recommend **APPROVAL** of the Special Land Use Permit, Final Site Plan & Design Review for 34977 Woodward – Hazel Ravines Downtown – with the following conditions:

1. The applicant must remove the evergreen shrub letter sign, as it is in the public rights of way, bring the signage into compliance in regards to size, and reduce the number of signs to one or obtain a variance from the Board of Zoning Appeals;
2. The applicant correct the indoor/outdoor dining area plan to show 20 seats, or adjust the seating calculation to include a 22 seat patio;
3. The applicant provide the location of all new lighting fixtures prior to City Commission approval; and
4. The applicant address the requests of all City departments.

11.0 Sample Motion Language

Based on a review of the site plans submitted, the Planning Division recommends that the Planning Board recommend **APPROVAL** of the Special Land Use Permit, Final Site

Plan & Design Review for 34977 Woodward – Hazel Ravines Downtown – with the following conditions:

1. The applicant must remove the evergreen shrub letter sign, as it is in the public rights of way, bring the signage into compliance in regards to size, and reduce the number of signs to one or obtain a variance from the Board of Zoning Appeals;
2. The applicant must correct the indoor/outdoor dining area plan to show 20 seats, or adjust the seating calculation to include a 22 seat patio;
3. The applicant must provide the location of all new lighting fixtures prior to City Commission approval; and
4. The applicant address the requests of all City departments.

OR

Motion to recommend **DENIAL** of the Special Land Use Permit, Final Site Plan & Design Review for 34977 Woodward – Hazel Ravines Downtown – for the following reasons:

1. _____
2. _____
3. _____

OR

Motion to recommend **POSTPONEMENT** of the Special Land Use Permit, Final Site Plan & Design Review for 34977 Woodward – Hazel Ravines Downtown – with the following conditions:

1. _____
2. _____
3. _____

**Zoning Compliance Summary Sheet
CIS and Preliminary Site Plan Review
34977 Woodward – Hazel Ravines & Downtown**

Existing Site: 5-story mixed use building (Greenleaf Trust)

Zoning: B-4 (Business-Residential), D-4 (Downtown Overlay)

Land Use: Commercial, Office, Residential

Existing Land Use and Zoning of Adjacent Properties:

	North	South	East	West
Existing Land Use	Commercial/ Parking	Vacant	Vacant	Commercial
Existing Zoning District	B-4, Business Residential	B-4, Business Residential	B-2 (General Business)	B-4, Business Residential
Overlay Zoning District	D-4 (Downtown Overlay)	D-4 (Downtown Overlay)	MU-7, (Triangle District Overlay)	D-4 (Downtown Overlay)

Land Area: Existing: 8,295 sq. ft.
Proposed: 8,295 sq. ft. **(no changes proposed)**

Dwelling Units: Existing: N/A
Proposed: N/A

Minimum Lot Area/Unit: Required: N/A
Proposed: N/A

Min. Floor Area /Unit: Required: 600 sq. ft. (one bedroom)
800 sq. ft. (two bedroom)
1,000 sq. ft. (three or more bedroom)
Proposed: N/A

Max. Total Floor Area: Required: 100% for commercial/office uses

	Proposed:	100% (no changes proposed)
Min. Open Space:	Required:	N/A
	Proposed:	N/A
Max. Lot Coverage:	Required:	N/A
	Proposed:	N/A
Front Setback:	Required:	0 ft.
	Proposed:	0 ft. (no changes proposed)
Side Setbacks	Required:	0 ft.
	Proposed:	0 ft. (no changes proposed)
Rear Setback:	Required:	10 ft.
	Proposed:	0 ft. (existing, no changes proposed)
Min. Front + Rear Setback	Required:	N/A
	Proposed:	N/A
Max. Bldg. Height:	Permitted:	60 ft., 5 stories
	Proposed:	Existing (no changes proposed)
Min. Eave Height:	Required:	N/A
	Proposed:	N/A
Parking:	Required:	None required for proposed restaurant
	Proposed:	(No changes proposed)
Min. Parking Space Size:	Required:	180 sq. ft.
	Proposed:	180 sq. ft. (no changes proposed)
Loading Area:	Required:	2 loading spaces (12 ft. x 40 ft.)
	Proposed:	2 loading spaces (12 ft. x 40 ft.) (no changes proposed)
Screening:		
	<u>Parking:</u> Required:	32 in. capped masonry wall
	Proposed:	Fully screened by building (no changes proposed)
	<u>Loading:</u> Required:	6 ft. capped masonry screenwall
	Proposed:	Loading space is on-street (no changes proposed)
<u>Rooftop Mechanical:</u>	Required:	Fully screened from public view

	Proposed:	Fully screened from public view (no changes proposed)
<u>Elect. Transformer:</u>	Required:	N/A
	Proposed:	N/A
<u>Dumpster:</u>	Required:	6 ft. masonry screenwall with wood gates
	Proposed:	Fully screened by building (no changes proposed)

R O N A N D R O M A N

SLUP APPLICATION RESPONSE

Date: 4/13/2018

5. REMOVE (6) EXISTING ALUMINUM AWNING COMPONENTS AT NORTH EAST CORNER, REMOVE EXISTING "THE STAND" SIGNAGE FROM SIGN BAND AND INSTALL (6) NEW FABRIC AWNINGS ON PAINTED METAL FRAMES.

REWORK LANDSCAPING IN CORNER LANDSCAPE BEDS WITH NEW PROPOSED GROUND MOUNTED SCULPTURAL SIGNAGE LETTERS AND NEW (RIVERROCK OR KYOTO STONE) GROUNDCOVER, AND NEW LANDSCAPE LIGHTING.

REMOVE (1) EXISTING METAL CANOPY AND "THE STAND" SIGNAGE FROM OVER EXISTING ENTRY AT WEST SIDE OF BUILDING; REMOVE ALUMINUM SASH AND GLASS STOREFRONT ENTRY WALL, CONVERT ENTRY VESTIBULE INTO INDOOR/OUTDOOR PATIO AREA WITH NEW FABRIC AWNING ON PAINTED METAL FRAME AND NEW SIGNAGE ABOVE NEW AWNING. REWORK OF VESTIBULE INCLUDES INSTALLATION OF NEW ALUMINUM AND GLASS STOREFRONT AT EAST END AS NEW ENTRY TO RESTAURANT, AND INSTALLATION OF ILLUMINATED WALL PANELS ON NORTH AND SOUTH WALLS. WESTERN ENTRY AREA TO HAVE (2) NEW EXTERIOR PLANTERS WITH _____LANDSCAPING.

R O N A N D R O M A N

T R A N S M I T T A L

Date: 5/1/2018

To: Jana Ecker/Nicholas Dupuis
Planning Department
City of Birmingham

From: Nicole Adler
Ron and Roman, Inc.

Re: Hazel, Ravines & Downtown
SLUP
34977 Woodward Ave.

Encl: (2) copies – plans, elevations, renderings, materials & cut sheets



MEMORANDUM

Engineering Dept.

DATE: May 25, 2018

TO: Joseph A. Valentine, City Manager

FROM: Paul T. O'Meara, City Engineer

SUBJECT: 2018 Local Streets Paving Project
Water & Sewer Lateral Special Assessment District

In accordance with current policy, the Engineering Dept. plans to replace all older water and sewer laterals underneath the new proposed pavement on the above project, which includes sections of Bennaville Ave., Ruffner Ave., and Chapin Ave.

As recommended under separate cover, it is anticipated that this construction contract will be awarded to Angelo Iafrate Construction Co., with their low bid of \$2,689,473.00. In the past, the City has compared the low bidder's price for this work item with the other bidders, to ensure the price of this work, which will be assessed, reflects the actual value of the work. A list of the water and sewer lateral bid prices for all the bidders follows below:

CONTRACTOR (in order of lowest to highest bidder based on total price)	BID PRICE (PER FOOT) WATER	BID PRICE (PER FOOT) SEWER
Angelo Iafrate Construction Co.	\$36.50	\$51.00
FDM Contracting, Inc.	\$28.00	\$90.00
Pamar Enterprises, Inc.	\$18.00	\$50.00
Average Price Per Foot	\$27.50	\$63.67

Per the table, the low bidder's per foot price for a water lateral is \$9 higher than the average bid, while the sewer price per foot is \$12.67 lower than average. As shown on the attached chart, most of the properties in the assessment district will need both a new water and sewer lateral. The average cost to a homeowner obtaining both a new sewer and water lateral is \$2,108 per house, with the highest being charged \$2,763 (on Bennaville Ave.). Considering the replacement of these service laterals when done on an individual basis is typically approaching \$10,000, we feel that these costs are very reasonable, and add value to each property well in excess of the amount being charged.

It is recommended that a public hearing of necessity be scheduled at the Monday, July 9, 2018 City Commission meeting. It is further recommended that the public hearing to

confirm the roll be held on Monday, July 23, 2018 at the unit price of \$36.50 per foot for water laterals, and \$51.00 per foot for sewer laterals.

SUGGESTED RESOLUTION:

RESOLVED, that the City Commission shall meet on Monday, July 9, 2018, at 7:30 P.M., for the purpose of conducting a public hearing of necessity for the installation of water and sewer laterals within the 2018 Local Street Paving project area. Be it further

RESOLVED, that the City Commission meet on Monday, July 23, 2018, at 7:30 P.M. for the purpose of conducting a public hearing to confirm the roll for the installation of water and sewer laterals in the 2018 Local Streets Paving project area.

Bennaville Ave. - Edgewood Dr. to Grant St.

NORTH SIDE

Address	Street	Sewer	Date	SAD?	Estd Feet	Estd Cost	Water	Date	SAD?	Estd Feet	Estd Cost	TOTALS
411	Bennaville Ave.	CLAY	1947	Y	37	\$1,887	3/4" COPPER	1947	Y	24	\$876	\$2,763
425	Bennaville Ave.	CLAY	1947	Y	37	\$1,887	3/4" COPPER	1947	Y	24	\$876	\$2,763
441	Bennaville Ave.	ORANGEBURG	1947	Y	37	\$1,887	3/4" COPPER	1947	Y	24	\$876	\$2,763
459	Bennaville Ave.	ORANGEBURG	1947	Y	37	\$1,887	3/4" COPPER	1947	Y	24	\$876	\$2,763
473	Bennaville Ave.	ORANGEBURG	1947	Y	37	\$1,887	3/4" COPPER	1947	Y	24	\$876	\$2,763
499	Bennaville Ave.	SIDEYARD	2001	N	0	\$0	SIDEYARD	2001	N	0	\$0	\$0
525	Bennaville Ave.	SIDEYARD	2000	N	0	\$0	SIDEYARD	2002	N	0	\$0	\$0
533	Bennaville Ave.	ORANGEBURG	1948	Y	37	\$1,887	3/4" COPPER	1948	Y	24	\$876	\$2,763
541	Bennaville Ave.	PVC	2016	N	0	\$0	1"COPPER	2016	N	0	\$0	\$0
559	Bennaville Ave.	PVC	2005	N	0	\$0	1"COPPER	2005	N	0	\$0	\$0
577	Bennaville Ave.	ORANGEBURG	1948	Y	37	\$1,887	3/4" COPPER	1948	Y	24	\$876	\$2,763
583	Bennaville Ave.	ORANGEBURG	1948	Y	37	\$1,887	3/4" COPPER	1948	Y	24	\$876	\$2,763

SOUTH SIDE

Address	Street	Sewer	Date	SAD?	Estd Feet	Estd Cost	Water	Date	SAD?	Estd Feet	Estd Cost	TOTALS
410	Bennaville Ave.	PVC	2015	N	0	\$0	1" COPPER	2015	N	0	\$0	\$0
424	Bennaville Ave.	ORANGEBURG	1950	Y	23	\$1,173	3/4" COPPER	1950	Y	36	\$1,314	\$2,487
440	Bennaville Ave.	ORANGEBURG	1950	Y	23	\$1,173	3/4" COPPER	1950	Y	36	\$1,314	\$2,487
458	Bennaville Ave.	PVC	2011	N	0	\$0	1" COPPER	2011	N	0	\$0	\$0
472	Bennaville Ave.	ORANGEBURG	1950	Y	23	\$1,173	3/4" COPPER	1950	Y	36	\$1,314	\$2,487
484	Bennaville Ave.	PVC	2012	N	0	\$0	1" COPPER	2012	N	0	\$0	\$0
516	Bennaville Ave.	ORANGEBURG	1950	Y	23	\$1,173	3/4" COPPER	1950	Y	36	\$1,314	\$2,487
532	Bennaville Ave.	ORANGEBURG	1950	Y	23	\$1,173	3/4" COPPER	1950	Y	36	\$1,314	\$2,487
540	Bennaville Ave.	ORANGEBURG	1950	Y	23	\$1,173	3/4" COPPER	1950	Y	36	\$1,314	\$2,487
558	Bennaville Ave.	ORANGEBURG	1950	Y	23	\$1,173	3/4" COPPER	1950	Y	36	\$1,314	\$2,487
576	Bennaville Ave.	UNKNOWN	1950	Y	23	\$1,173	3/4" COPPER	1950	Y	36	\$1,314	\$2,487
582	Bennaville Ave.	PVC	2013	N	0	\$0	1" COPPER	2013	N	0	\$0	\$0

TOTALS

\$24,480

\$17,520

\$42,000

TOTAL PARTICIPATION	16/24	67%
----------------------------	--------------	------------

Ruffner Ave. - Grant Ave. to Cummings Ave.
NORTH SIDE

Address	Street	Sewer	Date	SAD?	Estd Feet	Estd Cost	Water	Date	SAD?	Estd Feet	Estd Cost	TOTALS
611	Ruffner Ave.	PVC	2008	N	0	\$0	ON GRANT	1929	N	0	\$0	\$0
631	Ruffner Ave.	Unknown	1989	Y	25	\$1,275	1" COPPER	1989	N	0	\$0	\$1,275
647	Ruffner Ave.	Unknown	1947	Y	25	\$1,275	3/4" Copper	1947	Y	16	\$584	\$1,859
651	Ruffner Ave.	PVC	1989	N	0	\$0	1" COPPER	1989	N	0	\$0	\$0
683	Ruffner Ave.	Unknown	---	Y	25	\$1,275	3/4" COPPER	1947	Y	16	\$584	\$1,859
707	Ruffner Ave.	PVC	2005	N	0	\$0	1" COPPER	---	N	0	\$0	\$0
727	Ruffner Ave.	CAST IRON	1945	Y	25	\$1,275	3/4" COPPER	1944	Y	16	\$584	\$1,859
745	Ruffner Ave.	PVC	2004	N	0	\$0	1" COPPER	2004	N	0	\$0	\$0
765	Ruffner Ave.	PVC	2008	N	0	\$0	3/4" COPPER	1963	Y	16	\$584	\$584
789	Ruffner Ave.	ORANGEBURG	1952	Y	25	\$1,275	3/4" COPPER	1952	Y	16	\$584	\$1,859
809	Ruffner Ave.	PVC	2004	N	0	\$0	1" COPPER	2004	N	0	\$0	\$0
819	Ruffner Ave.	PVC	2015	N	0	\$0	1" COPPER	2015	N	0	\$0	\$0
843	Ruffner Ave.	CAST IRON	1943	Y	25	\$1,275	1" COPPER	1988	N	0	\$0	\$1,275
863	Ruffner Ave.	Unknown	---	Y	25	\$1,275	3/4" COPPER	---	Y	16	\$584	\$1,859
883	Ruffner Ave.	CLAY	1971	N	0	\$0	3/4" COPPER	---	Y	16	\$584	\$584
907	Ruffner Ave.	PVC	2006	N	0	\$0	1" COPPER	2005	N	0	\$0	\$0
937	Ruffner Ave.	PVC	2006	N	0	\$0	1" COPPER	2006	N	0	\$0	\$0
951	Ruffner Ave.	PVC	2005	N	0	\$0	3/4" COPPER	1952	Y	16	\$584	\$584
967	Ruffner Ave.	PVC	2005	N	0	\$0	3/4" COPPER	1953	Y	16	\$584	\$584
Lot 1307	Woodward Ave.	Vacant	---	N	0	\$0	Vacant	---	N	0	\$0	\$0

SOUTH SIDE

Address	Street	Sewer	Date	SAD?	Estd Feet	Estd Cost	Water	Date	SAD?	Estd Feet	Estd Cost	TOTALS
624	Ruffner Ave.	PVC	2003	N	0	\$0	1" COPPER	2003	N	0	\$0	\$0
632	Ruffner Ave.	PVC	2001	N	0	\$0	1" COPPER	2001	N	0	\$0	\$0
644	Ruffner Ave.	PVC	2001	N	0	\$0	1" COPPER	2001	N	0	\$0	\$0
656	Ruffner Ave.	PVC	2016	N	0	\$0	1" COPPER	2016	N	0	\$0	\$0
692	Ruffner Ave.	Unknown	---	Y	25	\$1,275	3/4" COPPER	1947	Y	34	\$1,241	\$2,516
700	Ruffner Ave.	PVC	2001	N	0	\$0	1" COPPER	2001	N	0	\$0	\$0
726	Ruffner Ave.	Unknown	1958	Y	25	\$1,275	3/4" COPPER	1952	Y	34	\$1,241	\$2,516
748	Ruffner Ave.	Unknown	---	Y	25	\$1,275	3/4" COPPER	---	Y	34	\$1,241	\$2,516
762	Ruffner Ave.	Unknown	1958	Y	25	\$1,275	3/4" COPPER	1958	Y	34	\$1,241	\$2,516
788	Ruffner Ave.	Unknown	---	Y	25	\$1,275	3/4" COPPER	1942	Y	34	\$1,241	\$2,516
808	Ruffner Ave.	Unknown	---	Y	25	\$1,275	3/4" COPPER	1951	Y	34	\$1,241	\$2,516
828	Ruffner Ave.	Unknown	---	Y	25	\$1,275	3/4" COPPER	1940	Y	34	\$1,241	\$2,516
844	Ruffner Ave.	Clay	1942	Y	25	\$1,275	5/8" COPPER	1942	Y	34	\$1,241	\$2,516

868	Ruffner Ave.	ORANGEBURG	1951	Y	25	\$1,275	3/4" COPPER	1951	Y	34	\$1,241	\$2,516
888	Ruffner Ave.	Unknown	---	Y	25	\$1,275	1" COPPER	1971	N	0	\$0	\$1,275
916	Ruffner Ave.	PVC	2003	N	0	\$0	1" COPPER	2003	N	0	\$0	\$0
928	Ruffner Ave.	Unknown	---	Y	25	\$1,275	3/4" COPPER	---	Y	34	\$1,241	\$2,516
952	Ruffner Ave.	None	---	Y	25	\$1,275	Vacant	---	N	0	\$0	\$1,275
Lot 1304	Ruffner Ave.	None	---	Y	25	\$1,275	Vacant	---	N	0	\$0	\$1,275
Lot 1306	Ruffner Ave.	Vacant	---	N	0	\$0	Vacant	---	N	0	\$0	\$0
33877	Woodward Ave.	On Alley	2009	N	0	\$0	On Alley	2009	N	0	\$0	\$0

TOTALS						\$25,500					\$17,666	\$43,166
---------------	--	--	--	--	--	-----------------	--	--	--	--	-----------------	-----------------

TOTAL PARTICIPATION	41/67	66%
---------------------	--------------	------------

Chapin Ave. - Grant St. to Cummings Ave.

NORTH SIDE

Address	Street	Sewer	Date	SAD?	Estd Feet	Estd Cost	Water	Date	SAD?	Estd Feet	Estd Cost	TOTALS
609	Chapin Ave.	PVC	2004	N	0	\$0	1' COPPER	2004	N	0	\$0	\$0
639	Chapin Ave.	PVC	2002	N	0	\$0	1' COPPER	2002	N	0	\$0	\$0
655	Chapin Ave.	PVC	2005	N	0	\$0	1' COPPER	2005	N	0	\$0	\$0
673	Chapin Ave.	PVC	2007	N	0	\$0	1' COPPER	2007	N	0	\$0	\$0
695	Chapin Ave.	CLAY	1974	N	0	\$0	1' COPPER	1974	N	0	\$0	\$0
715	Chapin Ave.	PVC	2010	N	0	\$0	3/4" COPPER	1955	Y	34	\$1,241	\$1,241
731	Chapin Ave.	PVC	2000	N	0	\$0	3/4" COPPER	1942	Y	34	\$1,241	\$1,241
747	Chapin Ave.	PVC	2010	N	0	\$0	1' COPPER	2010	N	0	\$0	\$0
767	Chapin Ave.	UNKNOWN	---	Y	24	\$1,224	3/4" IRON	---	Y	34	\$1,241	\$2,465
789	Chapin Ave.	PVC	2003	N	0	\$0	1' COPPER	2003	N	0	\$0	\$0
801	Chapin Ave.	PVC	2002	N	0	\$0	1' COPPER	2002	N	0	\$0	\$0
831	Chapin Ave.	UNKNOWN	---	Y	24	\$1,224	3/4" COPPER	1943	Y	34	\$1,241	\$2,465
853	Chapin Ave.	PVC	2007	N	0	\$0	1' COPPER	2007	N	0	\$0	\$0
875	Chapin Ave.	PVC	2004	N	0	\$0	1' COPPER	2004	N	0	\$0	\$0
899	Chapin Ave.	PVC	2001	N	0	\$0	1' COPPER	2001	N	0	\$0	\$0
915	Chapin Ave.	PVC	2001	N	0	\$0	1' COPPER	2002	N	0	\$0	\$0
935	Chapin Ave.	PVC	1994	N	0	\$0	1' COPPER	1994	N	0	\$0	\$0
945	Chapin Ave.	CLAY	1947	Y	24	\$1,224	3/4" COPPER	1947	Y	34	\$1,241	\$2,465
999	Chapin Ave.	PVC	2011	N	0	\$0	3/4" COPPER	1949	Y	34	\$1,241	\$1,241
1011	Chapin Ave.	UNKNOWN	---	Y	24	\$1,224	3/4" COPPER	1941	Y	34	\$1,241	\$2,465
1031	Chapin Ave.	PVC	1990	N	0	\$0	3/4" COPPER	1953	Y	34	\$1,241	\$1,241
1049	Chapin Ave.	PVC	2003	N	0	\$0	3/4" COPPER	2003	N	0	\$0	\$0
1051	Chapin Ave.	PVC	2003	N	0	\$0	1' COPPER	2003	N	0	\$0	\$0
1085	Chapin Ave.	PVC	2005	N	0	\$0	1' COPPER	2005	N	0	\$0	\$0
1103	Chapin Ave.	UNKNOWN	---	Y	25	\$1,275	3/4" COPPER	---	Y	34	\$1,241	\$2,516
1115	Chapin Ave.	UNKNOWN	1945	Y	25	\$1,275	1" COPPER	2013	N	0	\$0	\$1,275
Lot 1126	Chapin Ave.	None	---	Y	25	\$1,275	None	---	N	0	\$0	\$1,275
1151	Chapin Ave.	UNKNOWN	1939	Y	25	\$1,275	3/4" COPPER	1949	Y	34	\$1,241	\$2,516
1159	Chapin Ave.	UNKNOWN	1942	Y	25	\$1,275	3/4" COPPER	1942	Y	34	\$1,241	\$2,516
1175	Chapin Ave.	UNKNOWN	---	Y	25	\$1,275	ON ALLEY	1991	N	0	\$0	\$1,275
33601	Woodward Ave.	ON WOODWARD	1963	N	0	\$0	ON ALLEY	1963	N	0	\$0	\$0

SOUTH SIDE

Address	Street	Sewer	Date	SAD?	Estd Feet	Estd Cost	Water	Date	SAD?	Estd Feet	Estd Cost	TOTALS
600	Chapin Ave.	PVC	2005	N	0	\$0	1" COPPER	2005	N	0	\$0	\$0
646	Chapin Ave.	CLAY	1943	Y	26	\$1,326	3/4" COPPER	1943	Y	16	\$584	\$1,910
674	Chapin Ave.	PVC	2007	N	0	\$0	1" COPPER	2007	N	0	\$0	\$0
694	Chapin Ave.	PVC	2004	N	0	\$0	1" COPPER	2004	N	0	\$0	\$0
708	Chapin Ave.	PVC	2015	N	0	\$0	1" COPPER	2015	N	0	\$0	\$0
732	Chapin Ave.	PVC	2008	N	0	\$0	1" COPPER	2008	N	0	\$0	\$0
746	Chapin Ave.	PVC	2007	N	0	\$0	1" COPPER	2007	N	0	\$0	\$0
768	Chapin Ave.	UNKNOWN	---	Y	26	\$1,326	3/4" COPPER	1952	Y	16	\$584	\$1,910
792	Chapin Ave.	UNKNOWN	---	Y	26	\$1,326	3/4" COPPER	1939	Y	16	\$584	\$1,910
810	Chapin Ave.	PVC	2007	N	0	\$0	1" COPPER	2007	N	0	\$0	\$0
836	Chapin Ave.	PVC	2005	N	0	\$0	1" COPPER	2005	N	0	\$0	\$0
856	Chapin Ave.	PVC	2016	N	0	\$0	1" COPPER	2016	N	0	\$0	\$0
870	Chapin Ave.	PVC	2017	N	0	\$0	1" COPPER	2017	N	0	\$0	\$0
888	Chapin Ave.	PVC	2014	N	0	\$0	1" COPPER	2014	N	0	\$0	\$0
908	Chapin Ave.	UNKNOWN	---	Y	26	\$1,326	3/4" COPPER	1947	Y	16	\$584	\$1,910
920	Chapin Ave.	PVC	2003	N	0	\$0	1" COPPER	2003	N	0	\$0	\$0
950	Chapin Ave.	PVC	1995	N	0	\$0	1" COPPER	1995	N	0	\$0	\$0
960	Chapin Ave.	PVC	2005	N	0	\$0	1" COPPER	2005	N	0	\$0	\$0
990	Chapin Ave.	CLAY	1947	Y	26	\$1,326	3/4" COPPER	1947	Y	16	\$584	\$1,910
1006	Chapin Ave.	CLAY	1947	Y	26	\$1,326	3/4" COPPER	1947	Y	16	\$584	\$1,910
1028	Chapin Ave.	PVC	2004	N	0	\$0	3/4" LEAD	---	Y	16	\$584	\$584
1040	Chapin Ave.	CLAY	1967	Y	26	\$1,326	3/4" COPPER	1967	Y	16	\$584	\$1,910
1066	Chapin Ave.	CLAY	1947	Y	26	\$1,326	3/4" COPPER	1947	Y	16	\$584	\$1,910
1082	Chapin Ave.	On Cummings	2007	N	0	\$0	1" COPPER	2007	N	0	\$0	\$0
1116	Chapin Ave.	PVC	2002	N	0	\$0	1" COPPER	2002	N	0	\$0	\$0
1128	Chapin Ave.	PVC	2002	N	0	\$0	1" COPPER	2002	N	0	\$0	\$0
1144	Chapin Ave.	UNKNOWN	---	Y	26	\$1,326	3/4" COPPER	1937	Y	16	\$584	\$1,910
1152	Chapin Ave.	CLAY	1973	N	0	\$0	1" COPPER	1973	N	0	\$0	\$0
1164	Chapin Ave.	PVC	2013	N	0	\$0	1" COPPER	2013	N	0	\$0	\$0
1186	Chapin Ave.	PVC	2016	N	0	\$0	1" COPPER	2016	N	0	\$0	\$0
1230	Chapin Ave.	PVC	2003	N	0	\$0	1" COPPER	2003	N	0	\$0	\$0
Lot 1108	Chapin Ave.	Vacant	---	N	0	\$0	Vacant	---	N	0	\$0	\$0
33583	Woodward Ave.	PVC	2007	N	0	\$0	ON ALLEY	2007	N	0	\$0	\$0
TOTALS						\$24,480					\$19,491	\$43,971

TOTAL PARTICIPATION	24/64	38%
---------------------	-------	-----



MEMORANDUM

Office of the City Manager

DATE: June 4, 2018
TO: Joseph A. Valentine, City Manager
FROM: Tiffany J. Gunter, Assistant City Manager
SUBJECT: EPI Annual Credit Card License Renewal

Staff is requesting approval of the EPI annual license renewal for the credit card terminals in the parking garages. The Electronic Payment License software encrypts all credit cards processed through the parking equipment in the garages. The technology ensures that the banking information transmitted by our users remains safe.

The licenses are \$447 each. Twenty five (25) licenses are required to maintain City operations, totaling \$11,175.00 that will be up again for renewal in May 2019

The software renewal is required in order for the credit card system to remain Payment Card Industry (PCI) compliant. The PCI Data Security Standard (PCI DSS) is a set of security standards designed to ensure that all organizations that accept, process, store or transmit credit card information maintain a secure environment.

SUGGESTED ACTION:

To approve the renewal of the EPI annual license with Harvey Electronics that will ensure PCI compliance and secure credit card transactions in the amount of \$11,175.00, and further, to equally charge all parking garages under the following accounts:

585-538.002-811.0000
585-538.003-811.0000
585-538.004-811.0000
585-538.005-811.0000
585-538.008-811.0000

NOTICE OF PUBLIC HEARINGS

BIRMINGHAM CITY COMMISSION
PUBLIC HEARING OF NECESSITY
PUBLIC HEARING OF CONFIRMATION

Meeting Date, Time, Location:	HEARING OF NECESSITY FOR SPECIAL ASSESSMENT DISTRICT Monday, May 14, 2018, 7:30 PM Municipal Building, 151 Martin	
Meeting Date, Time, Location:	HEARING OF CONFIRMATION FOR SPECIAL ASSESSMENT DISTRICT Monday, June 4, 2018, 7:30 PM Municipal Building, 151 Martin	
Location of Improvement	STREET	AREA
	CHESTERFIELD	MAPLE TO QUARTON
	FAIRFAX	MAPLE TO RAYNALE
	SUFFIELD	MAPLE TO QUARTON
	PILGRIM	MAPLE TO QUARTON
	PURITAN	PINE TO REDDING
	LAKEPARK	MAPLE TO REDDING
	PINE	CHESTERFIELD TO LAKEPARK
	RAYNALE	CHESTERFIELD TO LAKESIDE
	REDDING	CHESTERFIELD TO LAKEPARK
Nature of Improvement:	2018 Cape Seal Program will consist of a double layer of chip seal and a slurry coat. Several street segments will also require road surface pulverization prior to cape seal treatment. Sidewalk crosswalk ramps will be reconstructed to meet ADA requirements, where applicable.	
City Staff Contact:	Aaron Filipski, Public Services Manager 248.530.1701 afilipski@bhamgov.org	
Notice Requirements:	Mail to all affected property owners. Publish: April 15th and 22nd, 2018	
Approved minutes may be reviewed at:	City Clerk's Office 151 Martin, Birmingham, MI 48009	
Estimated Costs:	Estimated costs range from \$12/curb-foot to \$15/curb-foot and vary according to individual street dimensions and the required treatment.	
	Costs are assessed to property owners based on the following method:	
	85% of front-foot costs for all property fronting the improvement;	
	25% of side-foot costs for all residential property siding the improvement;	
	85% of side-foot costs for all improved business property siding the improvement;	
	25% of side-foot costs for all vacant business property siding the improvement.	
You or your agent may appear at the hearings to express your views; however, if you fail to protest either in person or by letter received on or before the date of the hearing, you cannot appeal the amount of the special assessment to the Michigan Tax Tribunal. Mail any correspondence to: City Clerk, P.O. Box 3001, Birmingham, MI 48012		

The property owner may file a written appeal of the special assessment with the State Tax Tribunal within 30 days after the confirmation of the special assessment roll if that special assessment was protested at the hearing held for the purpose of confirming the roll.

All special assessments shall, from the date of the confirmation thereof, constitute a lien on the respective lots or parcels assessed, and until paid shall be charged against the respective owners of the lots or parcels assessed.

Persons with disabilities needing accommodations for effective participation in this meeting should contact the City Clerk's Office at (248) 530-1880 (voice) or (248) 644-5115 (TDD) at least one day in advance to request mobility, visual, hearing or other assistance.



MEMORANDUM

Finance Department

DATE: May 24, 2018

TO: Joseph A. Valentine, City Manager

FROM: Teresa Klobucar, Deputy Treasurer
Mark Gerber, Finance Director/Treasurer

SUBJECT: Resolution for Confirming S.A.D. # 882 –
2018 Cape Seal

For purposes of public street maintenance improvements that would specially benefit the following properties,

Chesterfield	Maple to Quarton
Fairfax	Maple to Raynale
Suffield	Maple to Quarton
Pilgrim	Maple to Quarton
Puritan	Pine to Redding
Lake Park	Maple to Redding
Pine	Chesterfield to Lake Park
Raynale	Chesterfield to Lakeside
Redding	Chesterfield to Lake Park

It is requested that the City Commission adopt the following resolution confirming S.A.D. No. 882 at the regular City Commission meeting of June 4, 2018. Comments during the hearing of confirmation are limited to those questions specifically addressing the assessment roll pursuant to Section 94-9 of the City Code. The hearing declaring the necessity of the Special Assessment District was held at the City Commission meeting of May 14, 2018.

SUGGESTED RESOLUTION:

To confirm Special Assessment Roll No. 882, to defray the cost of public street maintenance of all properties fronting and/or siding on the improvement within the 2018 Cape Seal as listed in the table above:

WHEREAS, Special Assessment Roll, designated Roll No. 882, has been heretofore prepared by the Deputy Treasurer for collection, and

WHEREAS, notice was given pursuant to Section 94-7 of the City Code, to each owner or party-in-interest of property to be assessed, and

WHEREAS, the Commission has deemed it practicable to cause payment of the cost thereof to be made at a date closer to the time of construction and

Commission Resolution #05-135-18 provided it would meet this 4th day of June, 2018 for the sole purpose of reviewing the assessment roll, and

WHEREAS, at said hearing held this June 4, 2018, all those property owners or their representatives present have been given an opportunity to be heard specifically concerning costs appearing in said special assessment roll as determined in Section 94-9 of the Code of the City of Birmingham,

NOW, THEREFORE, BE IT RESOLVED, that Special Assessment Roll No. 882 be in all things ratified and confirmed, and that the City Clerk be and is hereby instructed to endorse said roll, showing the date of confirmation thereof, and to certify said assessment roll to the City Treasurer for collection at or near the time of construction of the improvement.

BE IT FURTHER RESOLVED,
that special assessments shall be payable in one (1) payment as provided in Section 94-10 of the Code of the City of Birmingham at five and three quarters percent (5.75%) annual interest.

PARCEL NUMBER	ADDRESS	TOTAL
19-26-126-008	1525 CHESTERFIELD	\$ 2,085.73
19-26-126-016	1776 REDDING	\$ 1,027.53
19-26-131-009	1387 CHESTERFIELD	\$ 1,160.92
19-26-131-010	1357 CHESTERFIELD	\$ 1,042.86
19-26-131-011	1317 CHESTERFIELD	\$ 1,042.86
19-26-131-012	1295 CHESTERFIELD	\$ 1,042.86
19-26-131-013	1265 CHESTERFIELD	\$ 1,042.86
19-26-131-014	1235 CHESTERFIELD	\$ 1,042.86
19-26-131-015	1205 CHESTERFIELD	\$ 1,147.15
19-26-131-016	1177 CHESTERFIELD	\$ 1,251.44
19-26-131-017	1125 CHESTERFIELD	\$ 1,253.42
19-26-179-017	1097 CHESTERFIELD	\$ 971.11
19-26-179-018	1083 CHESTERFIELD	\$ 969.86
19-26-179-019	1065 CHESTERFIELD	\$ 969.86
19-26-179-022	1019 CHESTERFIELD	\$ 1,360.00
19-26-179-040	1712 OAK	\$ 460.09
19-26-179-041	1043 CHESTERFIELD	\$ 1,184.69
19-26-179-043	949 CHESTERFIELD	\$ 778.50
19-26-179-059	979 CHESTERFIELD	\$ 1,186.47
19-26-201-001	1687 QUARTON	\$ 950.85
19-26-201-004	1595 FAIRFAX	\$ 801.37
19-26-201-005	1496 CHESTERFIELD	\$ 1,128.59
19-26-201-006	1460 CHESTERFIELD	\$ 730.00
19-26-201-007	1444 CHESTERFIELD	\$ 834.29
19-26-201-008	1420 CHESTERFIELD	\$ 1,042.86
19-26-201-008	1420 CHESTERFIELD	\$ 519.25
19-26-201-011	1427 FAIRFAX	\$ 484.64
19-26-202-003	1420 FAIRFAX	\$ 484.61
19-26-202-004	1491 SUFFIELD	\$ 1,092.49
19-26-202-005	1449 SUFFIELD	\$ 876.87
19-26-202-006	1415 SUFFIELD	\$ 925.30
19-26-202-006	1415 SUFFIELD	\$ 484.61
19-26-203-001	1567 QUARTON	\$ 1,270.47
19-26-203-002	1455 QUARTON	\$ 72.92
19-26-203-003	1429 QUARTON	\$ 995.02
19-26-203-004	1498 SUFFIELD	\$ 859.04
19-26-203-007	1420 SUFFIELD	\$ 1,288.56
19-26-203-007	1420 SUFFIELD	\$ 467.27
19-26-203-008	1497 PILGRIM	\$ 1,018.08
19-26-203-009	1459 PILGRIM	\$ 923.62
19-26-203-010	1431 PILGRIM	\$ 839.66
19-26-203-011	1405 PILGRIM	\$ 839.66
19-26-203-011	1405 PILGRIM	\$ 460.01
19-26-203-012	1480 SUFFIELD	\$ 1,288.56
19-26-204-001	1398 CHESTERFIELD	\$ 1,126.71
19-26-204-001	1398 CHESTERFIELD	\$ 519.25
19-26-204-002	1370 CHESTERFIELD	\$ 1,199.29
19-26-204-003	1330 CHESTERFIELD	\$ 1,251.44

19-26-204-004	1288 CHESTERFIELD	\$ 1,199.29
19-26-204-005	1252 CHESTERFIELD	\$ 1,303.58
19-26-204-006	1200 CHESTERFIELD	\$ 1,251.44
19-26-204-009	1128 CHESTERFIELD	\$ 1,318.28
19-26-204-009	1128 CHESTERFIELD	\$ 520.13
19-26-204-010	1393 FAIRFAX	\$ 484.64
19-26-204-019	1129 FAIRFAX	\$ 485.44
19-26-204-020	1170 CHESTERFIELD	\$ 1,616.44
19-26-205-001	1378 FAIRFAX	\$ 484.61
19-26-205-010	1130 FAIRFAX	\$ 485.44
19-26-205-011	1393 SUFFIELD	\$ 1,258.07
19-26-205-011	1393 SUFFIELD	\$ 484.61
19-26-205-012	1355 SUFFIELD	\$ 1,288.56
19-26-205-013	1321 SUFFIELD	\$ 859.04
19-26-205-014	1291 SUFFIELD	\$ 859.04
19-26-205-015	1275 SUFFIELD	\$ 859.04
19-26-205-016	1245 SUFFIELD	\$ 859.04
19-26-205-017	1225 SUFFIELD	\$ 859.04
19-26-205-018	1193 SUFFIELD	\$ 859.04
19-26-205-019	1165 SUFFIELD	\$ 859.04
19-26-205-020	1137 SUFFIELD	\$ 859.04
19-26-205-021	1127 SUFFIELD	\$ 841.00
19-26-205-021	1127 SUFFIELD	\$ 485.44
19-26-206-001	1390 SUFFIELD	\$ 888.47
19-26-206-001	1390 SUFFIELD	\$ 467.27
19-26-206-002	1376 SUFFIELD	\$ 794.61
19-26-206-003	1352 SUFFIELD	\$ 859.04
19-26-206-004	1320 SUFFIELD	\$ 859.04
19-26-206-005	1280 SUFFIELD	\$ 859.04
19-26-206-006	1268 SUFFIELD	\$ 859.04
19-26-206-009	1196 SUFFIELD	\$ 1,138.23
19-26-206-010	1150 SUFFIELD	\$ 1,181.18
19-26-206-011	1116 SUFFIELD	\$ 1,014.74
19-26-206-011	1116 SUFFIELD	\$ 468.12
19-26-206-012	1389 PILGRIM	\$ 1,021.23
19-26-206-012	1389 PILGRIM	\$ 460.01
19-26-206-013	1363 PILGRIM	\$ 944.61
19-26-206-014	1325 PILGRIM	\$ 1,259.48
19-26-206-015	1299 PILGRIM	\$ 1,049.57
19-26-206-016	1267 PILGRIM	\$ 934.12
19-26-206-017	1237 PILGRIM	\$ 923.62
19-26-206-018	1201 PILGRIM	\$ 923.62
19-26-206-019	1197 PILGRIM	\$ 839.66
19-26-206-020	1145 PILGRIM	\$ 839.66
19-26-206-021	1119 PILGRIM	\$ 1,105.20
19-26-206-021	1119 PILGRIM	\$ 456.72
19-26-206-022	1234 SUFFIELD	\$ 1,718.09
19-26-207-001	1394 PILGRIM	\$ 874.29
19-26-207-001	1394 PILGRIM	\$ 553.76

19-26-207-002	1370 PILGRIM	\$ 839.66
19-26-207-003	1334 PILGRIM	\$ 839.66
19-26-207-004	1314 PILGRIM	\$ 1,196.51
19-26-207-005	1278 PILGRIM	\$ 1,039.07
19-26-207-006	1242 PILGRIM	\$ 1,123.04
19-26-207-007	1220 PILGRIM	\$ 1,311.96
19-26-207-008	1180 PILGRIM	\$ 1,416.92
19-26-207-009	1120 PILGRIM	\$ 1,108.34
19-26-207-009	1120 PILGRIM	\$ 554.67
19-26-207-012	1355 PURITAN	\$ 1,085.25
19-26-207-016	1259 PURITAN	\$ 851.18
19-26-207-017	1235 PURITAN	\$ 851.18
19-26-207-018	1221 PURITAN	\$ 851.18
19-26-207-019	1183 PURITAN	\$ 957.57
19-26-207-020	1155 PURITAN	\$ 1,170.37
19-26-207-021	1121 PURITAN	\$ 1,072.48
19-26-207-021	1121 PURITAN	\$ 554.67
19-26-207-022	1365 PURITAN	\$ 1,221.44
19-26-207-022	1365 PURITAN	\$ 553.76
19-26-207-024	1335 PURITAN	\$ 851.18
19-26-207-025	1325 PURITAN	\$ 851.18
19-26-226-001	1570 PILGRIM	\$ 1,617.39
19-26-226-002	1530 PILGRIM	\$ 1,574.35
19-26-226-009	1598 REDDING	\$ 592.20
19-26-226-009	1598 REDDING	\$ 998.23
19-26-226-010	1592 REDDING	\$ 1,291.83
19-26-226-011	1586 REDDING	\$ 1,233.11
19-26-226-012	1450 REDDING	\$ 1,233.11
19-26-226-013	1280 REDDING	\$ 1,233.11
19-26-226-014	1250 REDDING	\$ 1,141.50
19-26-226-015	1222 REDDING	\$ 939.51
19-26-226-046	1470 PILGRIM	\$ 892.13
19-26-226-047	1450 PILGRIM	\$ 892.13
19-26-228-001	1360 PURITAN	\$ 958.64
19-26-228-001	1360 PURITAN	\$ 519.39
19-26-228-002	1340 PURITAN	\$ 852.24
19-26-228-003	1316 PURITAN	\$ 852.24
19-26-228-004	1292 PURITAN	\$ 852.24
19-26-228-005	1270 PURITAN	\$ 852.24
19-26-228-006	1256 PURITAN	\$ 852.24
19-26-228-007	1234 PURITAN	\$ 852.24
19-26-228-008	1222 PURITAN	\$ 852.24
19-26-228-009	1188 PURITAN	\$ 852.24
19-26-228-012	1389 LAKEPARK	\$ 963.57
19-26-228-012	1389 LAKEPARK	\$ 519.39
19-26-228-013	1355 LAKEPARK	\$ 856.51
19-26-228-014	1311 LAKEPARK	\$ 856.51
19-26-228-015	1295 LAKEPARK	\$ 856.51
19-26-228-016	1271 LAKEPARK	\$ 856.51

19-26-228-017	1253 LAKEPARK	\$ 856.51
19-26-228-018	1245 LAKEPARK	\$ 856.51
19-26-228-019	1185 LAKEPARK	\$ 856.51
19-26-228-020	1157 LAKEPARK	\$ 856.51
19-26-228-021	1141 LAKEPARK	\$ 856.51
19-26-228-022	1109 LAKEPARK	\$ 895.05
19-26-228-022	1109 LAKEPARK	\$ 617.53
19-26-228-024	1150 PURITAN	\$ 852.24
19-26-228-025	1126 PURITAN	\$ 1,027.80
19-26-228-025	1126 PURITAN	\$ 617.53
19-26-229-001	1390 LAKEPARK	\$ 1,140.22
19-26-229-002	1328 LAKEPARK	\$ 1,124.16
19-26-229-003	1304 LAKEPARK	\$ 1,231.23
19-26-229-004	1270 LAKEPARK	\$ 1,124.16
19-26-229-009	1140 LAKEPARK	\$ 1,043.87
19-26-229-010	1100 LAKEPARK	\$ 691.63
19-26-229-010	1100 LAKEPARK	\$ 503.39
19-26-229-019	1111 WILLOW	\$ 507.69
19-26-229-020	1192 LAKEPARK	\$ 877.92
19-26-229-021	1160 LAKEPARK	\$ 1,204.46
19-26-229-022	1240 LAKEPARK	\$ 1,124.16
19-26-230-013	1100 WILLOW	\$ 482.82
19-26-230-024	1127 LAKESIDE	\$ 482.82
19-26-251-001	1092 CHESTERFIELD	\$ 1,329.44
19-26-251-001	1092 CHESTERFIELD	\$ 520.13
19-26-251-004	1020 CHESTERFIELD	\$ 1,095.01
19-26-251-005	998 CHESTERFIELD	\$ 1,095.01
19-26-251-006	972 CHESTERFIELD	\$ 1,199.29
19-26-251-007	926 CHESTERFIELD	\$ 960.89
19-26-251-008	908 CHESTERFIELD	\$ 753.89
19-26-251-009	1095 FAIRFAX	\$ 761.83
19-26-251-009	1095 FAIRFAX	\$ 485.55
19-26-251-010	1077 FAIRFAX	\$ 823.32
19-26-251-013	1025 FAIRFAX	\$ 788.32
19-26-251-014	1001 FAIRFAX	\$ 1,096.29
19-26-251-015	975 FAIRFAX	\$ 1,094.71
19-26-251-016	951 FAIRFAX	\$ 735.77
19-26-251-017	931 FAIRFAX	\$ 735.77
19-26-251-018	909 FAIRFAX	\$ 735.77
19-26-251-019	1060 CHESTERFIELD	\$ 834.29
19-26-251-020	1040 CHESTERFIELD	\$ 1,512.15
19-26-251-022	1045 FAIRFAX	\$ 1,019.35
19-26-251-023	1043 FAIRFAX	\$ 962.80
19-26-252-004	1030 FAIRFAX	\$ 1,208.76
19-26-252-005	1010 FAIRFAX	\$ 1,103.65
19-26-252-010	932 FAIRFAX	\$ 735.77
19-26-252-011	910 FAIRFAX	\$ 787.69
19-26-252-012	1093 SUFFIELD	\$ 751.66
19-26-252-012	1093 SUFFIELD	\$ 485.41

19-26-252-013	1085 SUFFIELD	\$ 751.66
19-26-252-014	1075 SUFFIELD	\$ 751.66
19-26-252-015	1045 SUFFIELD	\$ 751.66
19-26-252-016	1033 SUFFIELD	\$ 751.66
19-26-252-017	1027 SUFFIELD	\$ 751.66
19-26-252-018	1009 SUFFIELD	\$ 751.66
19-26-252-019	993 SUFFIELD	\$ 1,127.49
19-26-252-020	955 SUFFIELD	\$ 1,127.49
19-26-252-021	933 SUFFIELD	\$ 751.66
19-26-252-022	921 SUFFIELD	\$ 818.78
19-26-252-024	990 FAIRFAX	\$ 1,103.65
19-26-252-025	948 FAIRFAX	\$ 1,103.65
19-26-252-028	1052 FAIRFAX	\$ 1,366.42
19-26-252-029	1098 FAIRFAX	\$ 735.77
19-26-252-029	1098 FAIRFAX	\$ 485.41
19-26-252-030	1076 FAIRFAX	\$ 735.77
19-26-253-001	1094 SUFFIELD	\$ 1,127.49
19-26-253-001	1094 SUFFIELD	\$ 466.64
19-26-253-002	1074 SUFFIELD	\$ 1,127.49
19-26-253-003	1044 SUFFIELD	\$ 1,127.49
19-26-253-004	1028 SUFFIELD	\$ 1,127.49
19-26-253-005	1000 SUFFIELD	\$ 751.66
19-26-253-006	998 SUFFIELD	\$ 751.66
19-26-253-007	976 SUFFIELD	\$ 751.66
19-26-253-008	954 SUFFIELD	\$ 1,122.55
19-26-253-009	916 SUFFIELD	\$ 1,222.74
19-26-253-010	1093 PILGRIM	\$ 864.84
19-26-253-010	1093 PILGRIM	\$ 458.27
19-26-253-011	1079 PILGRIM	\$ 839.66
19-26-253-012	1055 PILGRIM	\$ 787.18
19-26-253-013	1047 PILGRIM	\$ 787.18
19-26-253-014	1021 PILGRIM	\$ 787.18
19-26-253-015	1017 PILGRIM	\$ 787.18
19-26-253-016	993 PILGRIM	\$ 787.18
19-26-253-017	975 PILGRIM	\$ 1,178.67
19-26-253-018	937 PILGRIM	\$ 1,178.67
19-26-253-019	915 PILGRIM	\$ 946.71
19-26-254-001	1080 PILGRIM	\$ 944.61
19-26-254-001	1080 PILGRIM	\$ 554.67
19-26-254-002	1068 PILGRIM	\$ 874.29
19-26-254-003	1056 PILGRIM	\$ 874.29
19-26-254-004	1030 PILGRIM	\$ 874.29
19-26-254-005	1018 PILGRIM	\$ 839.66
19-26-254-006	1002 PILGRIM	\$ 839.66
19-26-254-007	990 PILGRIM	\$ 892.13
19-26-254-008	970 PILGRIM	\$ 839.66
19-26-254-009	950 PILGRIM	\$ 852.25
19-26-254-010	932 PILGRIM	\$ 1,101.00
19-26-254-011	1095 PURITAN	\$ 1,163.16

19-26-254-011	1095 PURITAN	\$ 554.67
19-26-254-012	1079 PURITAN	\$ 1,292.40
19-26-254-013	1055 PURITAN	\$ 1,335.05
19-26-254-014	1025 PURITAN	\$ 1,572.85
19-26-254-017	963 PURITAN	\$ 1,292.40
19-26-254-018	947 PURITAN	\$ 1,088.20
19-26-254-019	925 PURITAN	\$ 1,098.54
19-26-254-020	1011 PURITAN	\$ 1,240.70
19-26-276-003	1060 PURITAN	\$ 1,120.51
19-26-276-004	1042 PURITAN	\$ 1,033.92
19-26-276-005	1026 PURITAN	\$ 1,033.92
19-26-276-006	1010 PURITAN	\$ 1,033.92
19-26-276-007	980 PURITAN	\$ 1,055.89
19-26-276-012	1091 LAKEPARK	\$ 963.57
19-26-276-012	1091 LAKEPARK	\$ 626.87
19-26-276-013	1055 LAKEPARK	\$ 928.24
19-26-276-014	1029 LAKEPARK	\$ 1,231.23
19-26-276-015	1025 LAKEPARK	\$ 1,161.64
19-26-276-016	1015 LAKEPARK	\$ 1,284.76
19-26-276-017	991 LAKEPARK	\$ 891.84
19-26-276-018	963 LAKEPARK	\$ 1,202.39
19-26-276-020	1200 OAK	\$ 672.22
19-26-276-021	1090 PURITAN	\$ 969.30
19-26-276-021	1090 PURITAN	\$ 621.98
19-26-276-022	1078 PURITAN	\$ 1,314.37
19-26-276-023	962 PURITAN	\$ 1,649.10
19-26-276-024	900 PURITAN	\$ 1,775.76
19-26-277-001	1090 LAKEPARK	\$ 1,177.70
19-26-277-001	1090 LAKEPARK	\$ 504.39
19-26-277-007	1016 LAKEPARK	\$ 1,434.65
19-26-277-008	1095 WILLOW	\$ 507.69
19-26-277-014	1050 LAKEPARK	\$ 881.13
19-26-277-015	1060 LAKEPARK	\$ 1,006.39
19-26-277-016	1026 LAKEPARK	\$ 1,284.76
19-26-278-001	1084 WILLOW	\$ 482.82
19-26-278-004	1097 LAKESIDE	\$ 482.82
19-26-328-016	659 CHESTERFIELD	\$ 1,061.53
19-26-328-032	633 CHESTERFIELD	\$ 639.48
19-26-328-033	611 CHESTERFIELD	\$ 639.48
19-26-329-015	579 CHESTERFIELD	\$ 636.15
19-26-329-018	555 CHESTERFIELD	\$ 978.41
19-26-329-019	567 CHESTERFIELD	\$ 988.84
19-26-330-009	1713 PINE	\$ 192.68
19-26-330-022	1712 WINTHROP	\$ 202.65
19-26-330-023	455 CHESTERFIELD	\$ 646.58
19-26-378-032	1701 WINTHROP	\$ 384.02
19-26-378-043	339 CHESTERFIELD	\$ 661.18
19-26-378-044	315 CHESTERFIELD	\$ 660.55
19-26-378-054	291 CHESTERFIELD	\$ 660.55

19-26-378-055	271 CHESTERFIELD	\$ 660.55
19-26-378-059	253 CHESTERFIELD	\$ 783.50
19-26-378-060	235 CHESTERFIELD	\$ 771.72
19-26-378-061	209 CHESTERFIELD	\$ 771.72
19-26-378-062	187 CHESTERFIELD	\$ 730.00
19-26-378-063	1744 W MAPLE	\$ 174.83
19-26-401-001	812 CHESTERFIELD	\$ 795.18
19-26-401-002	808 CHESTERFIELD	\$ 783.82
19-26-401-003	782 CHESTERFIELD	\$ 783.82
19-26-401-004	766 CHESTERFIELD	\$ 783.82
19-26-401-005	720 CHESTERFIELD	\$ 783.82
19-26-401-006	694 CHESTERFIELD	\$ 730.32
19-26-401-007	664 CHESTERFIELD	\$ 730.00
19-26-401-008	640 CHESTERFIELD	\$ 709.15
19-26-401-009	622 CHESTERFIELD	\$ 750.86
19-26-401-010	594 CHESTERFIELD	\$ 750.86
19-26-401-011	576 CHESTERFIELD	\$ 750.86
19-26-401-012	560 CHESTERFIELD	\$ 750.86
19-26-401-013	548 CHESTERFIELD	\$ 750.86
19-26-401-014	532 CHESTERFIELD	\$ 750.86
19-26-401-015	514 CHESTERFIELD	\$ 724.79
19-26-401-015	514 CHESTERFIELD	\$ 525.07
19-26-401-016	869 FAIRFAX	\$ 744.23
19-26-401-017	845 FAIRFAX	\$ 824.06
19-26-401-018	795 FAIRFAX	\$ 1,648.12
19-26-401-019	767 FAIRFAX	\$ 824.06
19-26-401-020	735 FAIRFAX	\$ 772.99
19-26-401-021	717 FAIRFAX	\$ 833.75
19-26-401-022	685 FAIRFAX	\$ 833.75
19-26-401-023	661 FAIRFAX	\$ 833.75
19-26-401-024	653 FAIRFAX	\$ 833.75
19-26-401-025	621 FAIRFAX	\$ 833.75
19-26-401-026	593 FAIRFAX	\$ 833.75
19-26-401-027	555 FAIRFAX	\$ 833.75
19-26-401-028	521 FAIRFAX	\$ 851.05
19-26-401-028	521 FAIRFAX	\$ 548.73
19-26-402-001	878 FAIRFAX	\$ 1,023.02
19-26-402-002	850 FAIRFAX	\$ 847.51
19-26-402-003	822 FAIRFAX	\$ 847.51
19-26-402-004	792 FAIRFAX	\$ 847.51
19-26-402-005	760 FAIRFAX	\$ 847.51
19-26-402-006	740 FAIRFAX	\$ 847.51
19-26-402-007	712 FAIRFAX	\$ 822.39
19-26-402-008	680 FAIRFAX	\$ 822.39
19-26-402-009	670 FAIRFAX	\$ 822.39
19-26-402-010	642 FAIRFAX	\$ 822.39
19-26-402-011	600 FAIRFAX	\$ 822.39
19-26-402-012	586 FAIRFAX	\$ 905.77
19-26-402-013	554 FAIRFAX	\$ 739.02

19-26-402-014	530 FAIRFAX	\$ 822.60
19-26-402-014	530 FAIRFAX	\$ 515.47
19-26-402-015	889 SUFFIELD	\$ 881.81
19-26-402-016	843 SUFFIELD	\$ 957.83
19-26-402-017	819 SUFFIELD	\$ 957.83
19-26-402-018	783 SUFFIELD	\$ 851.63
19-26-402-019	763 SUFFIELD	\$ 851.63
19-26-402-020	741 SUFFIELD	\$ 851.63
19-26-402-021	715 SUFFIELD	\$ 830.48
19-26-402-022	707 SUFFIELD	\$ 669.30
19-26-402-023	689 SUFFIELD	\$ 1,061.24
19-26-402-024	645 SUFFIELD	\$ 871.61
19-26-402-025	613 SUFFIELD	\$ 871.61
19-26-402-026	585 SUFFIELD	\$ 871.61
19-26-402-027	545 SUFFIELD	\$ 1,743.21
19-26-402-027	545 SUFFIELD	\$ 515.81
19-26-403-001	854 SUFFIELD	\$ 1,122.12
19-26-403-002	822 SUFFIELD	\$ 974.58
19-26-403-003	820 SUFFIELD	\$ 974.58
19-26-403-004	780 SUFFIELD	\$ 866.13
19-26-403-005	768 SUFFIELD	\$ 866.13
19-26-403-006	746 SUFFIELD	\$ 866.13
19-26-403-009	660 SUFFIELD	\$ 846.16
19-26-403-010	640 SUFFIELD	\$ 846.16
19-26-403-011	600 SUFFIELD	\$ 846.91
19-26-403-012	580 SUFFIELD	\$ 845.41
19-26-403-015	879 PILGRIM	\$ 734.70
19-26-403-016	867 PILGRIM	\$ 624.49
19-26-403-017	855 PILGRIM	\$ 728.40
19-26-403-018	817 PILGRIM	\$ 728.40
19-26-403-019	783 PILGRIM	\$ 728.40
19-26-403-024	691 PILGRIM	\$ 738.90
19-26-403-025	671 PILGRIM	\$ 738.90
19-26-403-026	655 PILGRIM	\$ 748.34
19-26-403-027	627 PILGRIM	\$ 853.30
19-26-403-028	607 PILGRIM	\$ 864.84
19-26-403-029	575 PILGRIM	\$ 833.36
19-26-403-030	551 PILGRIM	\$ 748.34
19-26-403-031	515 PILGRIM	\$ 957.21
19-26-403-031	515 PILGRIM	\$ 516.26
19-26-403-032	763 PILGRIM	\$ 1,093.65
19-26-403-033	715 PILGRIM	\$ 1,085.25
19-26-403-034	710 SUFFIELD	\$ 1,712.39
19-26-403-035	550 SUFFIELD	\$ 1,656.45
19-26-403-035	550 SUFFIELD	\$ 515.47
19-26-404-001	898 PILGRIM	\$ 851.20
19-26-404-002	864 PILGRIM	\$ 845.95
19-26-404-003	844 PILGRIM	\$ 845.95
19-26-404-004	812 PILGRIM	\$ 845.95

19-26-404-005	798 PILGRIM	\$ 1,054.82
19-26-404-006	750 PILGRIM	\$ 892.13
19-26-404-007	716 PILGRIM	\$ 1,207.00
19-26-404-008	694 PILGRIM	\$ 1,049.57
19-26-404-009	642 PILGRIM	\$ 932.02
19-26-404-010	632 PILGRIM	\$ 722.10
19-26-404-011	584 PILGRIM	\$ 722.10
19-26-404-012	566 PILGRIM	\$ 722.10
19-26-404-013	542 PILGRIM	\$ 722.10
19-26-404-014	528 PILGRIM	\$ 816.56
19-26-404-014	528 PILGRIM	\$ 517.59
19-26-404-015	895 PURITAN	\$ 975.41
19-26-404-016	843 PURITAN	\$ 933.59
19-26-404-017	815 PURITAN	\$ 933.59
19-26-404-020	747 PURITAN	\$ 830.09
19-26-404-021	701 PURITAN	\$ 830.09
19-26-404-022	683 PURITAN	\$ 830.09
19-26-404-023	659 PURITAN	\$ 725.54
19-26-404-024	639 PURITAN	\$ 956.59
19-26-404-025	635 PURITAN	\$ 852.04
19-26-404-026	579 PURITAN	\$ 852.04
19-26-404-027	555 PURITAN	\$ 852.04
19-26-404-028	515 PURITAN	\$ 869.82
19-26-404-028	515 PURITAN	\$ 518.59
19-26-404-030	783 PURITAN	\$ 940.91
19-26-404-031	777 PURITAN	\$ 836.36
19-26-426-001	888 PURITAN	\$ 927.32
19-26-426-002	852 PURITAN	\$ 975.41
19-26-426-003	820 PURITAN	\$ 969.13
19-26-426-004	788 PURITAN	\$ 940.91
19-26-426-005	762 PURITAN	\$ 836.36
19-26-426-006	746 PURITAN	\$ 836.36
19-26-426-007	720 PURITAN	\$ 836.36
19-26-426-008	684 PURITAN	\$ 836.36
19-26-426-009	672 PURITAN	\$ 836.36
19-26-426-010	646 PURITAN	\$ 836.36
19-26-426-011	616 PURITAN	\$ 818.59
19-26-426-012	582 PURITAN	\$ 818.59
19-26-426-013	556 PURITAN	\$ 818.59
19-26-426-014	520 PURITAN	\$ 913.72
19-26-426-014	520 PURITAN	\$ 548.73
19-26-426-015	895 LAKEPARK	\$ 1,324.15
19-26-426-016	879 LAKEPARK	\$ 1,201.12
19-26-426-017	819 LAKEPARK	\$ 1,217.61
19-26-426-018	795 LAKEPARK	\$ 1,239.17
19-26-426-019	779 LAKEPARK	\$ 1,242.97
19-26-426-022	657 LAKEPARK	\$ 1,268.34
19-26-426-023	635 LAKEPARK	\$ 1,268.34
19-26-426-024	581 LAKEPARK	\$ 1,374.88

19-26-426-025	555 LAKEPARK	\$ 1,353.32
19-26-426-026	511 LAKEPARK	\$ 1,482.69
19-26-426-026	511 LAKEPARK	\$ 474.52
19-26-426-027	715 LAKEPARK	\$ 2,143.49
19-26-451-001	486 CHESTERFIELD	\$ 735.22
19-26-451-001	486 CHESTERFIELD	\$ 525.07
19-26-451-002	440 CHESTERFIELD	\$ 730.00
19-26-451-003	384 CHESTERFIELD	\$ 730.00
19-26-451-004	364 CHESTERFIELD	\$ 730.00
19-26-451-005	330 CHESTERFIELD	\$ 730.00
19-26-451-006	316 CHESTERFIELD	\$ 730.00
19-26-451-007	290 CHESTERFIELD	\$ 730.00
19-26-451-008	270 CHESTERFIELD	\$ 730.00
19-26-451-009	264 CHESTERFIELD	\$ 730.00
19-26-451-010	236 CHESTERFIELD	\$ 730.00
19-26-451-011	210 CHESTERFIELD	\$ 730.00
19-26-451-012	194 CHESTERFIELD	\$ 730.00
19-26-451-013	186 CHESTERFIELD	\$ 730.00
19-26-451-015	477 FAIRFAX	\$ 860.85
19-26-451-015	477 FAIRFAX	\$ 548.73
19-26-451-016	455 FAIRFAX	\$ 736.00
19-26-451-017	425 FAIRFAX	\$ 833.75
19-26-451-018	385 FAIRFAX	\$ 833.75
19-26-451-019	353 FAIRFAX	\$ 833.75
19-26-451-020	337 FAIRFAX	\$ 833.75
19-26-451-021	315 FAIRFAX	\$ 833.75
19-26-451-022	295 FAIRFAX	\$ 833.75
19-26-451-023	271 FAIRFAX	\$ 833.75
19-26-451-024	247 FAIRFAX	\$ 833.75
19-26-451-025	215 FAIRFAX	\$ 833.75
19-26-451-026	187 FAIRFAX	\$ 833.75
19-26-451-028	1600 W MAPLE	\$ 678.38
19-26-451-028	1600 W MAPLE	\$ 490.44
19-26-452-001	476 FAIRFAX	\$ 857.62
19-26-452-001	476 FAIRFAX	\$ 519.07
19-26-452-002	454 FAIRFAX	\$ 755.17
19-26-452-004	362 FAIRFAX	\$ 833.75
19-26-452-005	344 FAIRFAX	\$ 833.75
19-26-452-006	320 FAIRFAX	\$ 833.75
19-26-452-007	292 FAIRFAX	\$ 833.75
19-26-452-008	268 FAIRFAX	\$ 833.75
19-26-452-009	244 FAIRFAX	\$ 833.75
19-26-452-010	210 FAIRFAX	\$ 833.75
19-26-452-011	184 FAIRFAX	\$ 833.75
19-26-452-012	144 FAIRFAX	\$ 1,210.09
19-26-452-014	483 SUFFIELD	\$ 915.97
19-26-452-014	483 SUFFIELD	\$ 515.81
19-26-452-015	437 SUFFIELD	\$ 759.51
19-26-452-016	419 SUFFIELD	\$ 936.22

19-26-452-017	395 SUFFIELD	\$ 936.22
19-26-452-018	367 SUFFIELD	\$ 936.22
19-26-452-019	345 SUFFIELD	\$ 936.22
19-26-452-025	215 SUFFIELD	\$ 936.22
19-26-452-026	179 SUFFIELD	\$ 936.22
19-26-452-031	239 SUFFIELD	\$ 1,404.33
19-26-452-032	145 SUFFIELD	\$ 1,419.19
19-26-452-033	325 SUFFIELD	\$ 936.22
19-26-452-034	287 SUFFIELD	\$ 1,404.33
19-26-452-035	412 FAIRFAX	\$ 833.75
19-26-452-036	380 FAIRFAX	\$ 833.75
19-26-453-001	494 SUFFIELD	\$ 906.73
19-26-453-001	494 SUFFIELD	\$ 515.50
19-26-453-002	452 SUFFIELD	\$ 702.16
19-26-453-003	420 SUFFIELD	\$ 936.22
19-26-453-008	320 SUFFIELD	\$ 1,404.33
19-26-453-009	270 SUFFIELD	\$ 1,404.33
19-26-453-010	236 SUFFIELD	\$ 936.22
19-26-453-011	202 SUFFIELD	\$ 936.22
19-26-453-012	176 SUFFIELD	\$ 994.73
19-26-453-013	100 SUFFIELD	\$ 1,448.09
19-26-453-015	465 PILGRIM	\$ 1,010.61
19-26-453-015	465 PILGRIM	\$ 515.50
19-26-453-016	451 PILGRIM	\$ 943.39
19-26-453-017	419 PILGRIM	\$ 943.39
19-26-453-018	383 PILGRIM	\$ 943.39
19-26-453-019	359 PILGRIM	\$ 943.39
19-26-453-020	333 PILGRIM	\$ 790.09
19-26-453-021	315 PILGRIM	\$ 860.84
19-26-453-022	287 PILGRIM	\$ 825.47
19-26-453-023	265 PILGRIM	\$ 825.47
19-26-453-024	239 PILGRIM	\$ 825.47
19-26-453-025	229 PILGRIM	\$ 825.47
19-26-453-026	187 PILGRIM	\$ 825.47
19-26-453-027	159 PILGRIM	\$ 825.47
19-26-453-028	139 PILGRIM	\$ 825.47
19-26-453-031	392 SUFFIELD	\$ 1,404.33
19-26-453-032	336 SUFFIELD	\$ 1,404.33
19-26-454-001	486 PILGRIM	\$ 856.13
19-26-454-001	486 PILGRIM	\$ 516.50
19-26-454-002	462 PILGRIM	\$ 707.54
19-26-454-003	444 PILGRIM	\$ 825.47
19-26-454-004	400 PILGRIM	\$ 825.47
19-26-454-005	382 PILGRIM	\$ 825.47
19-26-454-006	356 PILGRIM	\$ 825.47
19-26-454-007	338 PILGRIM	\$ 825.47
19-26-454-008	316 PILGRIM	\$ 825.47
19-26-454-009	284 PILGRIM	\$ 825.47
19-26-454-010	268 PILGRIM	\$ 825.47

19-26-454-011	248 PILGRIM	\$ 825.47
19-26-454-012	232 PILGRIM	\$ 825.47
19-26-454-013	212 PILGRIM	\$ 825.47
19-26-454-014	180 PILGRIM	\$ 825.47
19-26-454-015	148 PILGRIM	\$ 825.47
19-26-454-034	133 PURITAN	\$ 104.05
19-26-454-035	473 PURITAN	\$ 517.42
19-26-476-016	477 LAKEPARK	\$ 1,348.25
19-26-476-016	477 LAKEPARK	\$ 514.44
19-26-476-017	451 LAKEPARK	\$ 1,395.17
19-26-476-018	419 LAKEPARK	\$ 1,395.17
19-26-476-019	375 LAKEPARK	\$ 1,395.17
19-26-476-020	351 LAKEPARK	\$ 1,395.17
19-26-476-021	321 LAKEPARK	\$ 1,268.34
19-26-476-022	283 LAKEPARK	\$ 1,268.34
19-26-476-023	237 LAKEPARK	\$ 1,268.34
19-26-476-024	205 LAKEPARK	\$ 1,268.34
19-26-476-025	167 LAKEPARK	\$ 1,268.34
19-26-476-026	141 LAKEPARK	\$ 1,043.84
19-26-476-030	476 PURITAN	\$ 503.05
19-26-477-002	440 LAKEPARK	\$ 2,536.68
19-26-477-003	384 LAKEPARK	\$ 1,268.34
19-26-477-004	356 LAKEPARK	\$ 1,268.34
19-26-477-005	312 LAKEPARK	\$ 1,268.34
19-26-477-008	200 LAKEPARK	\$ 1,014.67
19-26-477-009	158 LAKEPARK	\$ 1,268.34
19-26-477-010	130 LAKEPARK	\$ 1,166.87
19-26-477-021	220 LAKEPARK	\$ 1,331.76
19-26-477-022	290 LAKEPARK	\$ 726.76
19-26-477-023	240 LAKEPARK	\$ 2,680.00
	TOTAL	\$ 517,478.42



MEMORANDUM

Department of Public Services

DATE: May 3, 2018

TO: Joseph A. Valentine, City Manager

FROM: Lauren A. Wood, Director of Public Services

SUBJECT: Cape Seal 2018 – Public Hearing of Necessity

The Department of Public Services maintains nearly 26 miles of unimproved roadways through periodic cape seal treatment – a process that involves the application of a stone chip seal followed by a slurry microsurface. The result is a smoother, dust-free driving surface that resists damaging moisture intrusion into the gravel road base. Cape seal is an inexpensive maintenance option relative to the cost of installing a fully-engineered road, but because it is only a surface treatment, it is limited in its ability to remedy road drainage and profile issues.

Each year, DPS staff reviews unimproved streets and recommends streets for maintenance. Treatment age and existing conditions are considered when drafting the recommendations. The most common failure conditions include surface wear and loss, road center crowning, and alligator cracking. The streets identified for this project are as follows:

Chesterfield	Maple to Quarton
Fairfax	Maple to Raynale
Suffield	Maple to Quarton
Pilgrim	Maple to Quarton
Puritan	Pine to Redding
Lakepark	Maple to Redding
Pine	Chesterfield to Lakepark
Raynale	Chesterfield to Lakeside
Redding	Chesterfield to Lakepark

Each exhibits one or more of the aforementioned conditions and the existing treatment age of each is at or exceeds the average expected lifespan of a cape seal treated road. Some street segments will require surface pulverization prior to treatment in order to eliminate high road crowns that have resulted from numerous layers of chip seal from previous projects – see the attached print for additional detail. The remaining streets will be prepped for treatment through patching.

Since 1948, the City policy for assessing street maintenance work on unimproved streets is conducted in accordance with the following:

- 85% of the front-foot costs for improvement are assessed on all property fronting the improvement;

- 25% of the side-foot costs for improvement are assessed on all residential property siding the improvement;
- 85% of the side-foot costs for improvement are assessed on improved business property siding the improvement and;
- 25% of side-foot costs for improvement are assessed on vacant business property siding on the improvement.

The balance of the cost, 15% and 75%, front- and side-footage respectively, is paid by the City.

The following illustrates the estimated per-foot costs for each street:

Chesterfield	Maple to Quarton	\$11.67	per foot
Fairfax	Maple to Raynale	\$11.99	per foot
Suffield	Maple to Quarton	\$13.35	per foot
Pilgrim	Maple to Quarton	\$13.45	per foot
Puritan	Pine to Redding	\$14.75	per foot
Lakepark	Maple to Redding	\$14.47	per foot
Pine	Chesterfield to Lakepark	\$13.30	per foot
Raynale	Chesterfield to Lakeside	\$13.36	per foot
Redding	Chesterfield to Lakepark	\$13.40	per foot

These costs vary based on street width, required preparation, and quantity of material for each. Additionally, the Federal Americans with Disabilities Act requires sidewalk crossing ramps to be upgraded where applicable; in this project all streets have ramps subject to that requirement, and those costs are reflected in the listed estimates. Actual costs will be determined upon project completion.

SUGGESTED RESOLUTION:

To determine necessity for the improvement to be known as 2018 Cape Seal Program-Public Street Improvement; further, approving the cost estimates submitted by the Department of Public Services; further, creating a special assessment district and special assessments levied in accordance with benefits against the subject properties; further that the following method of assessment be adopted: 85% of front-foot costs for improvement are assessed on all property fronting the improvement; 25% of side-foot costs for improvement are assessed on all residential property siding the improvement; 85% of side-foot costs for improvement are assessed on improved business property siding the improvement and; 25% of side-foot costs for improvement are assessed on vacant business property siding on the improvement; further, to direct the City Manager to prepare the special assessment roll and present the same to the City Commission for confirmation at the public hearing on Monday, June 4, 2018 at 7:30 p.m.

2018 Cape Seal Prep Procedures



NOTICE OF PUBLIC HEARING

BIRMINGHAM CITY COMMISSION
SPECIAL LAND USE PERMIT AMENDMENT

Meeting Date, Time, Location:	Monday, June 4, 2018 at 7:30 PM Municipal Building, 151 Martin Birmingham, MI
Location of Request:	209 Hamilton Row/250 N. Old Woodward – Emagine Palladium
Nature of Hearing:	To consider the Special Land Use Permit Amendment to allow for the renovation & installation of a 35 seat private viewing theater.
City Staff Contact:	Jana Ecker 248.530.1841 jecker@bhamgov.org
Notice Requirements:	Mailed to all property owners and occupants within 300 feet of subject address. Publish May 20, 2018
Approved minutes may be reviewed at:	City Clerk's Office

Persons wishing to express their views may do so in person at the hearing or in writing addressed to City Clerk, City of Birmingham, 151 Martin, Birmingham, MI 48009.
Persons with disabilities needing accommodations for effective participation in this meeting should contact the City Clerk's Office at 248.530.1880 (voice) or 248.644.5115 (TDD) at least one day in advance to request mobility, visual, hearing or other assistance.



MEMORANDUM

Planning Division

DATE: May 21, 2018

TO: Joseph A. Valentine, City Manager

FROM: Jana L. Ecker, Planning Director

SUBJECT: Public Hearing for Special Land Use Permit Amendment for 209 Hamilton Row/250 N Old Woodward – Eimage Palladium

The subject site, 209 Hamilton Row/250 N Old Woodward is located at the corner of N. Old Woodward and Hamilton Row in the Downtown Overlay. The applicant is seeking a Special Land Use Permit Amendment to remove a portion of the dining area (formerly 4-Story Burger) and install a 35 seat private viewing theater. There will be no changes made to the exterior of the building, and the building's signage will remain unchanged. The applicant has also advised that food and alcoholic beverage will be sold and consumed in the same manner as exists currently.

On April 25th, 2018, the Planning Board conducted a public hearing on the above application for a Special Land Use Permit Amendment for Eimage Palladium, where the Planning Board voted unanimously to recommend approval to the City Commission of Eimage Palladium at 209 Hamilton Row/250 N Old Woodward. Please find attached the Planning Board staff report, relevant minutes, and application attachments for your review.

SUGGESTED ACTION:

To approve the Special Land Use Permit Amendment for 209 Hamilton Row/250 N Old Woodward – Eimage Palladium, to allow for the renovation and installation of a 35 seat private viewing theater.

EMAGINE PALLADIUM
209 HAMILTON ROW / 250 N. OLD WOODWARD
SPECIAL LAND USE PERMIT AMENDMENT
2018

WHEREAS, Emagine Palladium filed an application pursuant to Article 7, section 7.34 of Chapter 126, Zoning, of the City Code to operate a food and drink establishment in the B4 zone district in accordance Article 2, Section 2.37 of Chapter 126, Zoning, of the City Code;

WHEREAS, The land for which the Special Land Use Permit Amendment is sought is located on the east side of N. Old Woodward, north of Hamilton Row;

WHEREAS, The land is zoned B-4, and is located within the Downtown Birmingham Overlay District, which permits the operation of food and drink establishments serving alcoholic beverages with a Special Land Use Permit;

WHEREAS, Article 7, section 7.34 of Chapter 126, Zoning requires a Special Land Use Permit to be considered and acted upon by the Birmingham City Commission, after receiving recommendations on the site plan and design from the Planning Board for the proposed Special Land Use;

WHEREAS, The applicant submitted an application for a Special Land Use Permit Amendment to install a new 35 seat private viewing theater in the former dining area of Four Story Burger;

WHEREAS, The Planning Board reviewed the application on April 25th, 2018 for a Special Land Use Permit Amendment and Final Site Plan Review and recommended with no conditions;

WHEREAS, The Birmingham City Commission has reviewed Emagine Palladium's Special Land Use Permit Amendment application and the standards for such review as set forth in Article 7, section 7.36 of Chapter 126, Zoning, of the City Code;

NOW, THEREFORE, BE IT RESOLVED, The Birmingham City Commission finds the standards imposed under the City Code have been met, subject to the conditions below, and that Emagine Palladium's application for a Special Land Use Permit Amendment and Final Site Plan at 209 Hamilton Row/250 N Old Woodward is hereby approved;

BE IT FURTHER RESOLVED, That the City Commission determines that to assure continued compliance with Code standards and to protect public health, safety, and welfare,

this Special Land Use Permit Amendment is granted subject to the following conditions:

1. Emagine Palladium shall be permitted to provide entertainment in accordance with their entertainment permit issued by the MLCC;
2. Emagine Palladium shall abide by all provisions of the Birmingham City Code; and
3. The Special Land Use Permit may be canceled by the City Commission upon finding that the continued use is not in the public interest including, but not limited to, violations of the state law or Birmingham City Code.

BE IT FURTHER RESOLVED, That failure to comply with any of the above conditions shall result in termination of the Special Land Use Permit.

BE IT FURTHER RESOLVED, Except as herein specifically provided, Emagine Palladium and its heirs, successors, and assigns shall be bound by all ordinances of the City of Birmingham in effect at the time of the issuance of this permit, and as they may be subsequently amended. Failure of Emagine Palladium to comply with all the ordinances of the City may result in the Commission revoking this Special Land Use Permit.

MAY IT BE FURTHER RESOLVED that Emagine Palladium is recommended for the operation of a food and drink establishment serving alcoholic beverages on premises with a Class C Liquor License, at 209 Hamilton Row/250 N Old Woodward, Birmingham, Michigan, 48009, above all others, pursuant to Chapter 10, Alcoholic Liquors, of the Birmingham City Code, subject to final inspection.

I, Cherilynn Mynsberge, City Clerk of the City of Birmingham, Michigan, do hereby certify that the foregoing is a true and correct copy of the resolution adopted by the Birmingham City Commission at its regular meeting held on June 4th, 2018.

Cherilynn Mynsberge, City Clerk



Special Land Use Permit Application Planning Division

Form will not be processed until it is completely filled out.

1. Applicant

Name: CH Birmingham, LLC d/b/a Emagine Palladium

Address: 209 Hamilton Row, Birmingham, MI 48009

Attn: Anthony LaVerde, CEO

Phone Number: c/o J. Patrick Howe 248-385-3112

Fax Number: 888-450-1682

Email Address: jphowe@jphowe.com

2. Applicant's Attorney/Contact Person

Name: J. Patrick Howe, Esq., JPHOWE, PLLC

Address: 280 N. Old Woodward Ave., Suite 12

Birmingham, MI 48009

Phone Number: 248-385-3112

Fax Number: 888-450-1682

Email Address: jphowe@jphowe.com

Property Owner

Name: The Palladium of Birmingham, LLC

Address: 250 N. Old Woodward Ave.

Birmingham, Michigan 48009

Phone Number: 248-593-6200

Fax Number: 248-593-6203

Email Address: jjonna@ajjonna.com

Project Designer/Developer

Name: Studio Three Design

Address: 8604 Aliosville Rd., Suite 330

Indianapolis, IN 46250

Phone Number: 317-595-1236

Fax Number: 317-572-1236

Email Address: N/A

3. Required Attachments

- Warranty Deed with legal description of property
- Required fee (see Fee Schedule for applicable amount)
- Fifteen (15) folded copies of plans including a certified land survey, color elevations showing all materials, site plan, landscape plan, photometric plan, and interior plan
- Photographs of existing site and buildings
- Samples of all materials to be used

- Catalog sheets for all proposed lighting, mechanical equipment & outdoor furniture
- An itemized list of all changes for which approval is requested
- Completed Checklist
- Digital copy of plans
- One (1) additional set of plans mounted on a foam board, including a color rendering of each elevation

4. Project Information

Address/Location of Property: 250 N. Old Woodward Ave.

Birmingham, Michigan 48009

Name of Development: Palladium of Birmingham, LLC

Sidwell #: 19-25-453-011

Current Use: Movie theatre with food & beverage services

Proposed Use: Same

Area in Acres: .84 acres

Current Zoning: B-4, Downtown Overlay District

Zoning of Adjacent Properties: B-4, P

Is there a current SLUP in effect for this site?: Yes

Is property located in the floodplain? No

Name of Historic District site is in, if any: No

Date of HDC Approval, if any: N/A

Date of Application for Preliminary Site Plan: 5/28/14

Date of Preliminary Site Plan Approval: 5/28/14

Date of Application for Final Site Plan: 6/25/14

Date of Final Site Plan Approval: 8/27/14

Date of Revised Final Site Plan Approval:

Date of Final Site Plan Approval:

Date of DRB approval, if any: 5/28/14

Date of Last SLUP Amendment: 6/28/17

Will proposed project require the division of platted lots?

5. Details of the Nature of Work Proposed (Site plan & design elements)

Applicant is proposing to remove a portion of the dining area that was formerly used to operate Four Story Burger, and create an additional private screening room in this area per the enclosed plans.

There are no proposed changes to the existing lobby, cocktail lounge, bar, or kitchen. Emagine Palladium will continue to offer food and beverages, including alcoholic beverages, in the existing bar and lounge area. If the proposed changes are approved, no portion of the facility will be operated as Four Story Burger, and all components of the facility will be operated as Emagine Palladium.

11. Streetscape NO CHANGES

Sidewalk width: _____
Number of benches: _____
Number of planters: _____
Number of existing street trees: _____
Number of proposed street trees: _____
Streetscape Plan submitted?: _____

Description of benches or planters: _____

Species of existing street trees: _____
Species of proposed street trees: _____

12. Loading NO CHANGES

Required number of loading spaces: _____
Typical angle of loading spaces: _____
Screenwall material: _____
Location of loading spaces on the site: _____

Proposed number of loading spaces: _____
Typical size of loading spaces: _____
Height of screenwall: _____

13. Exterior Trash Receptacles NO CHANGES

Required number of trash receptacles: _____
Location of trash receptacles: _____
Screenwall material: _____

Proposed number of trash receptacles: _____
Size of trash receptacles: _____
Height of screenwall: _____

14. Mechanical Equipment NO CHANGES

Utilities & Transformers:

Number of ground mounted transformers: _____
Size of transformers (LxWxH): _____

Location of all utilities & easements: _____

Number of utility easements: _____
Screenwall material: _____

Height of screenwall: _____

Ground Mounted Mechanical Equipment: NO CHANGES

Number of ground mounted units: _____
Size of ground mounted units (LxWxH): _____

Location of all ground mounted units: _____

Screenwall material: _____

Height of screenwall: _____

Rooftop Mechanical Equipment: NO CHANGES

Number of rooftop units: _____
Type of rooftop units: _____

Location of all ground mounted units: _____
Size of rooftop units (LxWxH): _____

Screenwall material: _____
Location of screenwalls: _____

Height of screenwall: _____
Percentage of rooftop covered by mechanical units: _____
Distance from units to rooftop units to screenwall: _____

15. Accessory Buildings NOT APPLICABLE

Number of accessory buildings: _____
Location of accessory buildings: _____

Size of accessory buildings: _____
Height of accessory buildings: _____

16. Building Lighting NO CHANGES

Number of light standards on building: _____
Size of light fixtures (LxWxH): _____

Type of light standards on building: _____
Height from grade: _____

Maximum wattage per fixture: _____
Light level at each property line: _____

Proposed wattage per fixture: _____
Number & location of holiday tree lighting receptacles: _____

The undersigned states the above information is true and correct, and understands that it is the responsibility of the applicant to advise the Planning Division and / or Building Division of any additional changes made to an approved site plan or Special Land Use Permit. The undersigned further states that they have reviewed the procedures and guidelines for site plan review and Special Land Use Permits in Birmingham and have complied with same. The undersigned will be in attendance at the Planning Board meeting when this application will be discussed.

The Palladium of Birmingham, LLC

Signature of Owner: _____

Date: March 27, 2018

Print Name: _____

CH Birmingham, LLC d/b/a Imagine Palladium

Signature of Applicant: _____

Date: March 27, 2018

Print Name: Anthony LaVerde, CEO

Studio Three Design

Signature of Architect: _____

Date: March 27, 2018

Print Name: Kevin Coppedge

Office Use Only

Application #: _____ Date Received: _____ Fee: _____

Date of Approval: _____ Date of Denial: _____ Accepted by: _____



280 N. Old Woodward
Suite 12
Birmingham, MI 48009

O 248.385.3112

C 248.835.2068

F 888.450.1682

jphowe@jphowe.com

www.jphowe.com

March 29, 2018

VIA HAND DELIVERY

Ms. Jana Ecker
Planning Director
City of Birmingham
City Hall Building
151 Martin Street, Suite #223
Birmingham, MI 48009

Re: Application for Amendment to Special Land Use Permit
Applicant: CH Birmingham, LLC d/b/a Emagine Palladium
209 Hamilton Row, Birmingham, MI 48009

Dear Ms. Ecker,

This firm represents CH Birmingham, LLC d/b/a Emagine Palladium, which operates a movie theater with a Class C liquor license at 209 Hamilton Row under a Special Land Use Permit issued by the City. We hereby submit this application to request an amendment to our client's Special Land Use Permit, to allow a portion of the dining area in the facility operated as Four Story Burger, to be converted to private movie screening room that will seat 35 guests. Interior construction to a limited area of the facility will be required to convert a portion of the existing dining space into a private movie screening room. There will be no changes to the exterior of the building, and all exterior signage will remain unchanged. Food and alcoholic beverages will continue to be offered for sale in the facility, and will be served and consumed as they currently are in the lounge area, concession area, and movie theaters.

In connection with this request, we have enclosed the following documents for your review:

1. Special Land Use Permit Application;
2. Floor Plan of facility showing proposed changes to create a private movie screening room;
3. Façade drawings showing no changes to the exterior façade; and
4. Check payable to the City of Birmingham in the amount of \$2,800 to cover the application fee

We appreciate your assistance processing this application, and we look forward to appearing before the Planning Board and City Commission to address any questions or concerns that the City may have regarding this request. Thank you for your attention to this matter. We await your response with respect to the date that you will present this request to the Planning Board.

Very truly yours,

JPHOWE, PLLC

J. Patrick Howe

cc: Emagine Palladium

PALLADIUM

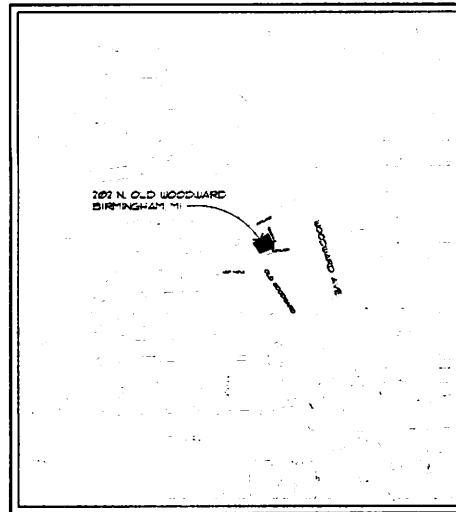
BIRMINGHAM, MICHIGAN

BUILDING OWNER/DEVELOPER:

A.F. JONNA DEVELOPMENT
4036 TELEGRAPH RD. SUITE 201
BLOOMFIELD HILLS, MI 48302
(248) 593-6200 FAX: (248) 593-6203

ARCHITECT:

JPRA ARCHITECTS
39300 WEST TWELVE MILE RD. SUITE 180
FARMINGTON HILLS, MI 48331
(248) 737-0180 FAX: (248) 737-9161



LOCATION MAP
CITY OF BIRMINGHAM

(NOT TO SCALE)



INDEX OF DRAWINGS

SHEET NUMBER	DRAWING TITLE
CS	COVER SHEET
C1	ALTA/ACSM LAND TITLE SURVEY
C2	FINAL SITE PLAN
A.102	LOWER LEVEL FLOOR PLAN
A.103	STREET LEVEL FLOOR PLAN
A.104	SECOND LEVEL FLOOR PLAN
A.105	FOURTH LEVEL FLOOR PLAN
A.106	THIRD LEVEL FLOOR PLAN
A.107	FIFTH LEVEL FLOOR PLAN
A.108	ELEVATIONS
A.109	ELEVATIONS
A.110	PHOTOMETRIC CALCULATIONS

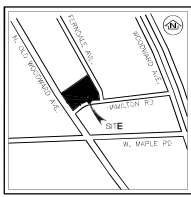
PREVIOUS APPROVAL

PRELIMINARY SITE PLAN APPROVAL
BY PLANNING BOARD MAY 28, 2014

FINAL SITE PLAN APPROVAL
JUNE 09, 2014



- LEGEND**
- ASPH = Asphalt
 - C = Cable
 - CATV = Cable TV/Flow/Riser
 - CB = Catch Basin
 - CD = Clean Out
 - CONC = Concrete
 - E = Electric
 - EC = Electric Conduit/Riser
 - FL = Flag
 - G = Gas
 - GL = Ground Light
 - GP = Guard Post
 - GV = Gate Valve
 - HYD = Hydrant
 - LP = Light Pole
 - LPS = Landscape
 - MH = Manhole
 - MK = Monument
 - MW = Monitor Well
 - CH LINES = Overhead Lines
 - P = Phase/Flow/Riser
 - PR = Property Indicated
 - PV = Post Indicator Valve
 - PL = Property Line
 - PM = Parking Meter
 - RW = Right of Way
 - SAN = Sanitary Sewer
 - SB = Stop Box (Water)
 - SL = Salt Line
 - SD = Storm Drain
 - STM = Storm Sewer
 - TRANS = Transformer
 - UP = Utility Pole
 - WM = Water Main
 - (R) = Record Measurement
 - (M) = Surveyed Measurement
 - (C) = Calculated
- GRAPHIC SCALE 1"=20'



NF ENGINEERS
CIVIL ENGINEERS
LAND SURVEYORS
LAND PLANNERS

NOWAK & FRAUS ENGINEERS

46777 WOODWARD AVENUE
PONTIAC, MI 48342
TEL (248) 332-7931
FAX (248) 332-8237

LEGAL DESCRIPTION
Land Situated in the City of Birmingham in the County of Oakland in the State of MI

PARCEL 1:
Part of Lots 55, 56, 57, 58 and 59 of ASSessor's PLAT No. 21, according to the record plat thereof recorded on the 24th of March, 1914, in the Office of the County Clerk of the County of Oakland, Michigan, beginning at the Southwest corner of Lot 51, thence North 55 degrees 35 minutes 35 seconds West 25.00 feet, thence North 54 degrees 51 minutes 35 seconds East 222.63 feet, thence South 50 degrees 00 minutes 55 seconds East 132.74 feet, thence South 58 degrees 31 minutes 05 seconds East 85.78 feet, thence South 58 degrees 28 minutes 25 seconds West 110.86 feet, thence South 54 degrees 50 minutes 25 seconds West 86.72 feet to Beginning, Area of Lot 51, 52, 58 and 59 of said Subdivision.

PARCEL 2:
Part of Lots 55, 56 and 57 of ASSessor's PLAT No. 21, according to the plat thereof recorded on the 24th of March, 1914, in the Office of the County Clerk of the County of Oakland, Michigan, beginning at a point distant 25.29 feet from the Southwest corner of Lot 51, thence North 50 degrees 11 minutes 35 seconds West 25 feet, thence North 54 degrees 51 minutes 35 seconds East 224.90 feet, thence South 58 degrees 31 minutes 05 seconds East 25.00 feet, thence South 54 degrees 50 minutes 25 seconds West 86.72 feet to Beginning, Area of Lot 51, 52, 58 and 59 of said Subdivision.

Tax lot No. 19-25-453-011

RANGE OF BEARING NOTE
The basis of bearing for this survey was established by the legal description of record

TITLE NOTES
Subject to:
10. Right of Way granted to the Detroit Edison Company recorded February 22, 1973 in Liber 6245, Page 128, as to Parcel 2. (A building was constructed over said easement after this document was created. The approximate location of said easement is shown hereafter. The client needs to verify with the Detroit Edison Company to determine if these easements still exist.)

All easements shown or noted on this survey were obtained from Title Commitment No. 18844350, with an effective date of 02-01-2014, issued by Title Source, Inc.

SITE DATA
Gross Land Area: 36,542 Square Feet or 0.84 Acres.
Zoned: RA (Business-Residential)
Building Setbacks:

Front: 0'
Sides: 0' for commercial, office or parking stories;
0' for residential stories with walls facing side or lines which do not contain windows or doors or a screen;
10' when any wall or residential stories which contain windows and when side lot lines abut a street, and when the rear open space abuts a P, B1, B2, B2C, B3, B4, O1, or O2 Zoning District;
20 feet when adjacent to a residential zoning district.

Max. Building Height permitted: 3 stories/60'

Total Parking: No on-site parking.

The above setbacks & height requirements were obtained from the City of Birmingham Zoning Ordinance.

A surveyor cannot make a certification on the basis of an interpretation or opinion of another party; a zoning endorsement letter should be obtained from City of Birmingham to insure enforceability as well as make a final determination of the required building setback requirements.

FLOOD HAZARD NOTE
The property described on this survey does not lie within a Special Flood Hazard Area as defined by the Federal Emergency Management Agency, the property lies within Zone A of the Flood Insurance Rate Map identified as Map No. 2812500337P, bearing an effective date of 09-29-2006.

CEMETERY NOTE
There was no observable evidence of cemeteries or burial grounds within the subject property.

UTILITY NOTE
All utilities are underground unless otherwise noted.

The utilities shown on this survey were determined by field observation. All locations are approximate. The location of any other underground services which may exist can only be detected if a utility plan is furnished to the surveyor.

SURVEY NOTES
There was no observable evidence of current earth moving work, building construction or building additions.

There are no known proposed changes in street right-of-way lines available from the controlling jurisdiction.

There was no observable evidence of recent street or sidewalk construction or repairs.

There was no observable evidence of site use as a solid waste dump, pump or sanitary landfill.

There was no observable evidence of wetlands within the subject property as of the date of completion of the field work.

SURVEYORS CERTIFICATION
To:
Associated Bank, National Association, its successors and/or assigns
The Platinum of Birmingham, LLC
Title Source, Inc.
First American Title Insurance Company

This is to certify that this map or plat and the survey on which it is based were made in accordance with the 2011 Minimum Standard Data Requirements by ALTA/ACSM Land Title Survey, jointly established and adopted by ALTA and ACSM, and comply with the terms of 1, 2, 3, 4, 6, 10, (ch. 700), 703, & 705, 10, 15, 16, 19, 20, and 21 of Table A thereof.

The field work was completed on 01-15-2014.

Kevin Howard, P.S.
No. 43501
Dated: 01-31-2014
Revised: 04-10-2014



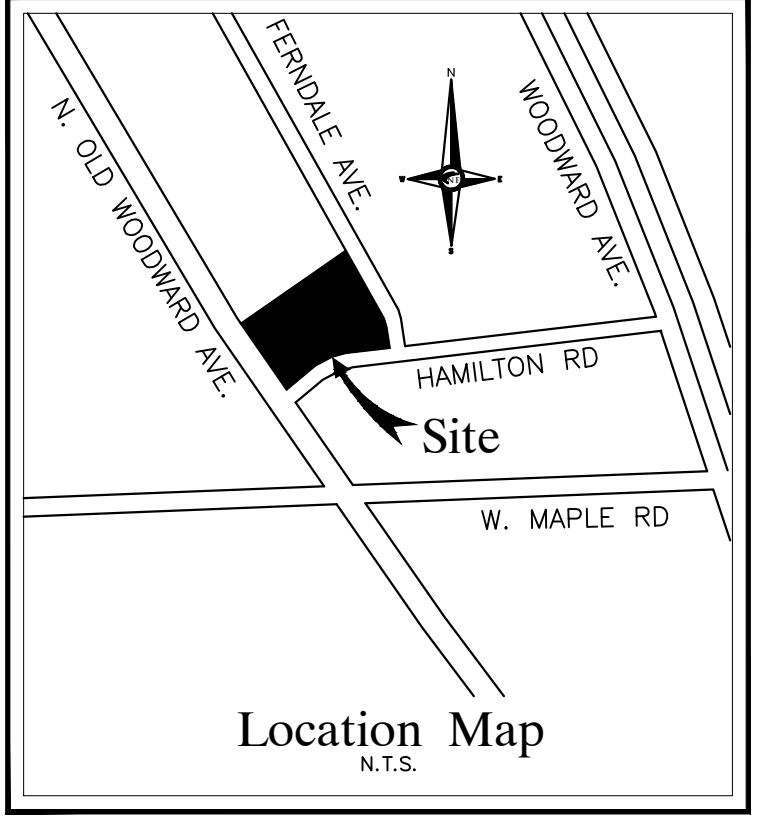
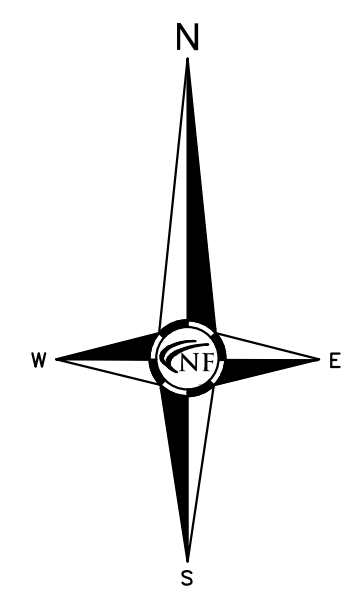
PROJECT
Platinum

PROJECT LOCATION
No. 250-270 N. Old Woodward Avenue & 201 Hamilton Road
Part of the S.W. 1/4 of Section 10, T.2N., R.10E., City of Birmingham, Oakland County, MI

SHEET
ALTA/ACSM
Land Title Survey

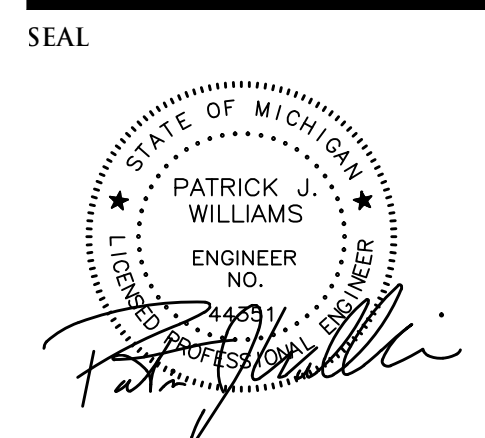
REVISIONS
03-08-2014 Rev. Certificate
04-10-2014 Rev. Cert. & Title Note
06-08-2014 Final Site Plan Approval

DRAWN BY
D MCCONKEY
APPROVED BY
K.N.R.FRAUS
EMAIL:
rfraus@nowakfratus.com
DATE ISSUED:
01-31-2014
SCALE:
1"=20'
OFFICE NO.
H888-01
SHEET NO.
C1



NF
ENGINEERS
CIVIL ENGINEERS
LAND SURVEYORS
LAND PLANNERS

NOWAK & FRAUS ENGINEERS
46777 WOODWARD AVE.
PONTIAC, MI 48342-5032
TEL. (248) 332-7931
FAX. (248) 332-8257



PROJECT
Palladium
250-270 N. Old Woodward

CLIENT
Tower Construction
2550 Telegraph Road,
Suite 111A
Bloomfield Hills, MI 48302

Contact:
Jason Gekiere
Tel. (248) 287-8200
Fax (248) 284-8203

PROJECT LOCATION
Part of the SW ¼
of Section 10
T.3N. , R.10E.
City of Birmingham,
Oakland County, Michigan

SHEET
Preliminary Site Plan

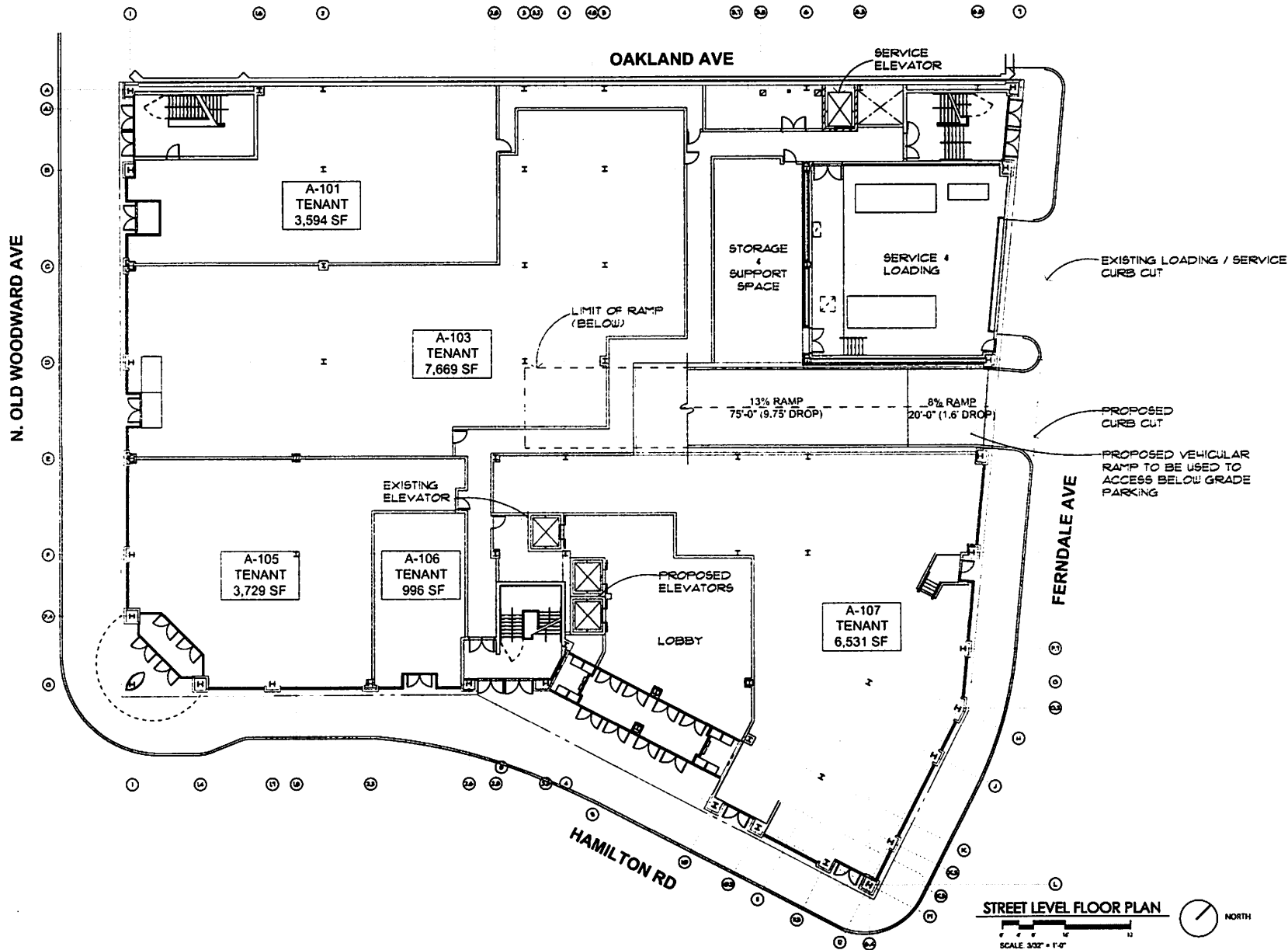


REVISIONS
06-09-2014 Final Site Plan Approval

DRAWN BY:
C. Hazzard
DESIGNED BY:
-
APPROVED BY:
P. Williams
DATE:
06-06-2014
SCALE: 1" = 20'
NFE JOB NO. H888-01
SHEET NO. C2

PAVING LEGEND	
	PROPOSED CONCRETE PAVEMENT
	PROPOSED ASPHALT PAVEMENT

LEGEND	
	MANHOLE
	HYDRANT
	MANHOLE CATCH BASIN
	UTILITY POLE
	GUY POLE
	GUY WIRE
	PROPOSED LIGHT POLE
	C.O.
	MANHOLE GATE VALVE
	HYDRANT
	INLET
	C.B.
	MANHOLE
	TC 600.00
	GU 600.00
	TW 600.00
	TP 600.00
	FG 600.00
	EXISTING SANITARY SEWER
	SAN. CLEAN OUT
	EXISTING WATERMAIN
	EXISTING STORM SEWER
	EX. R. Y. CATCH BASIN
	EXISTING BURIED CABLES
	OVERHEAD LINES
	LIGHT POLE
	SIGN
	EXISTING GAS MAIN
	PR. SANITARY SEWER
	PR. WATER MAIN
	PR. STORM SEWER
	PR. R. Y. CATCH BASIN
	PROPOSED LIGHT POLE
	PR. TOP OF CURB ELEVATION
	PR. GUTTER ELEVATION
	PR. TOP OF WALK ELEVATION
	PR. TOP OF PMT. ELEVATION
	FINISH GRADE ELEVATION



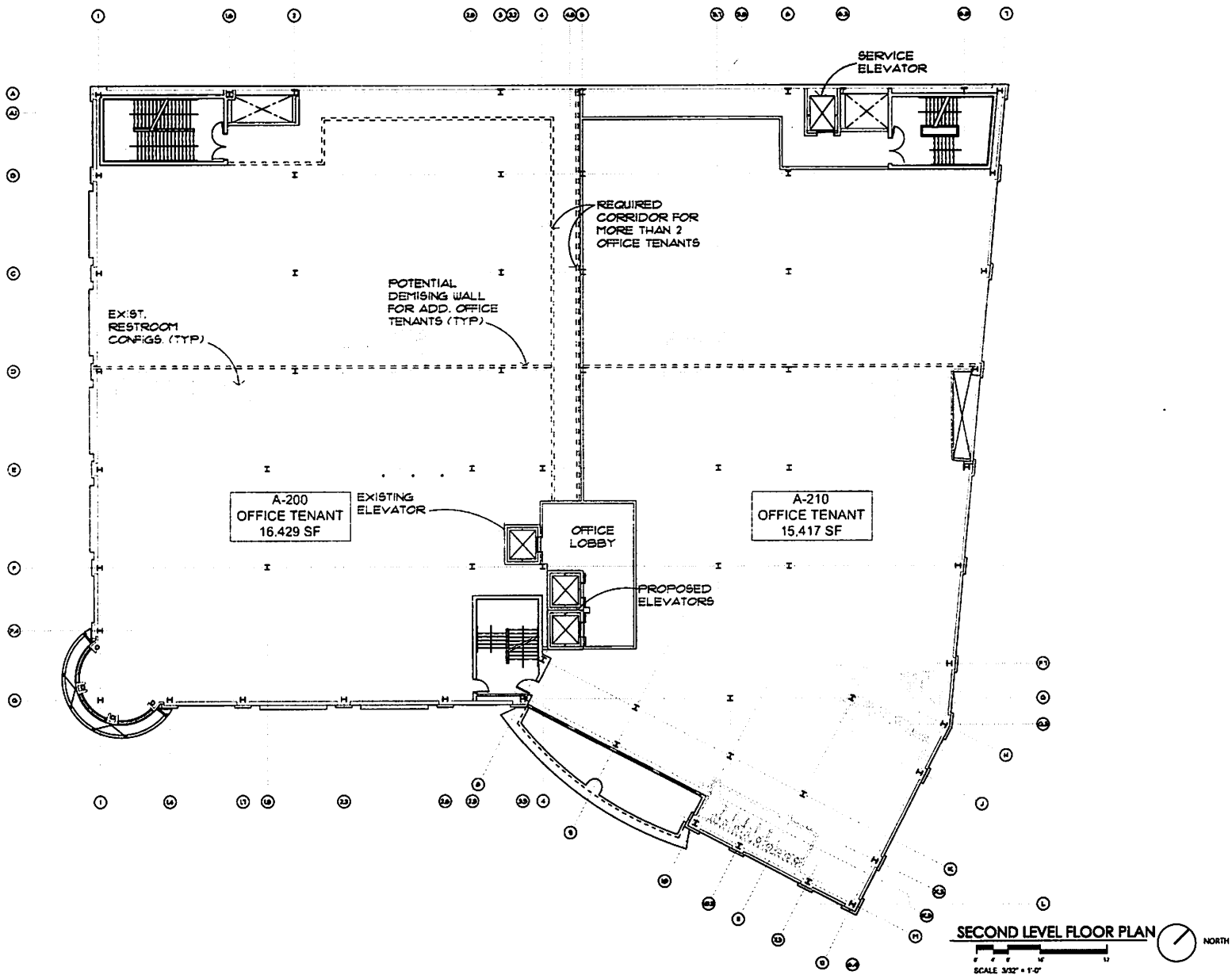
Do not scale this plan to fit your site.
 00707 / 2/14/2014
 Final Site Plan Approval
 JUNE 09, 2014



PALLADIUM
 BIRMINGHAM, MICHIGAN
 A.P. JONNA
 DEVELOPMENT & MANAGEMENT CO.

JPRA ARCHITECTS
 1787
 1787
 1787

1787
A.103



2014-06-09 10:00 AM
 FINAL SITE PLAN APPROVAL
 JUNE 09, 2014

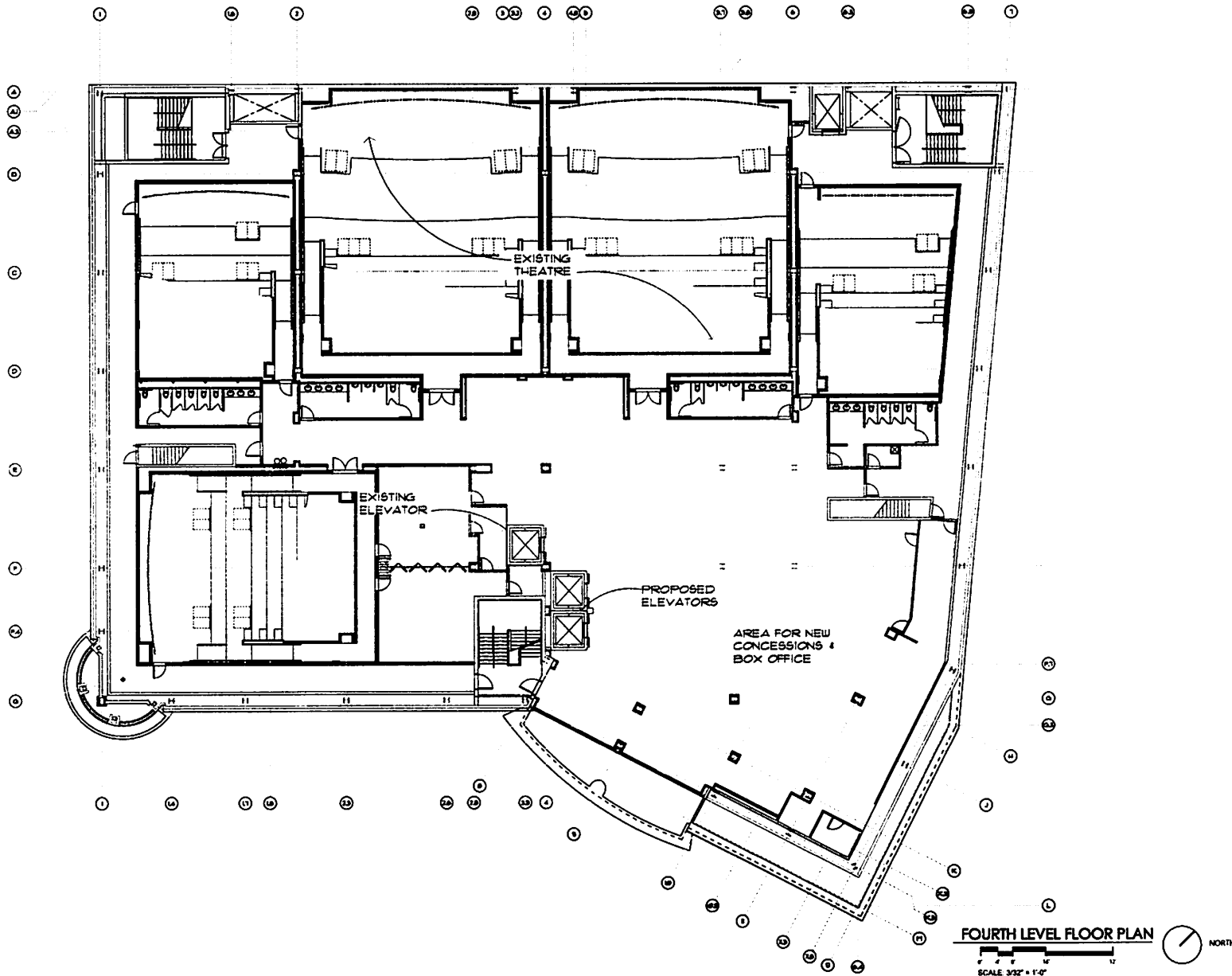
SECOND LEVEL FLOOR PLAN



PALLADIUM
 BRUNNEN & NICHOLAN
 A.P. JONNA
 DEVELOPMENT & MANAGEMENT CO.

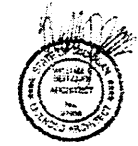
JPRR ARCHITECTS
 1787
 A.104

1787
 A.104



JPRB ARCHITECTS
 FINAL SITE PLAN APPROVAL
 JUNE 09, 2014

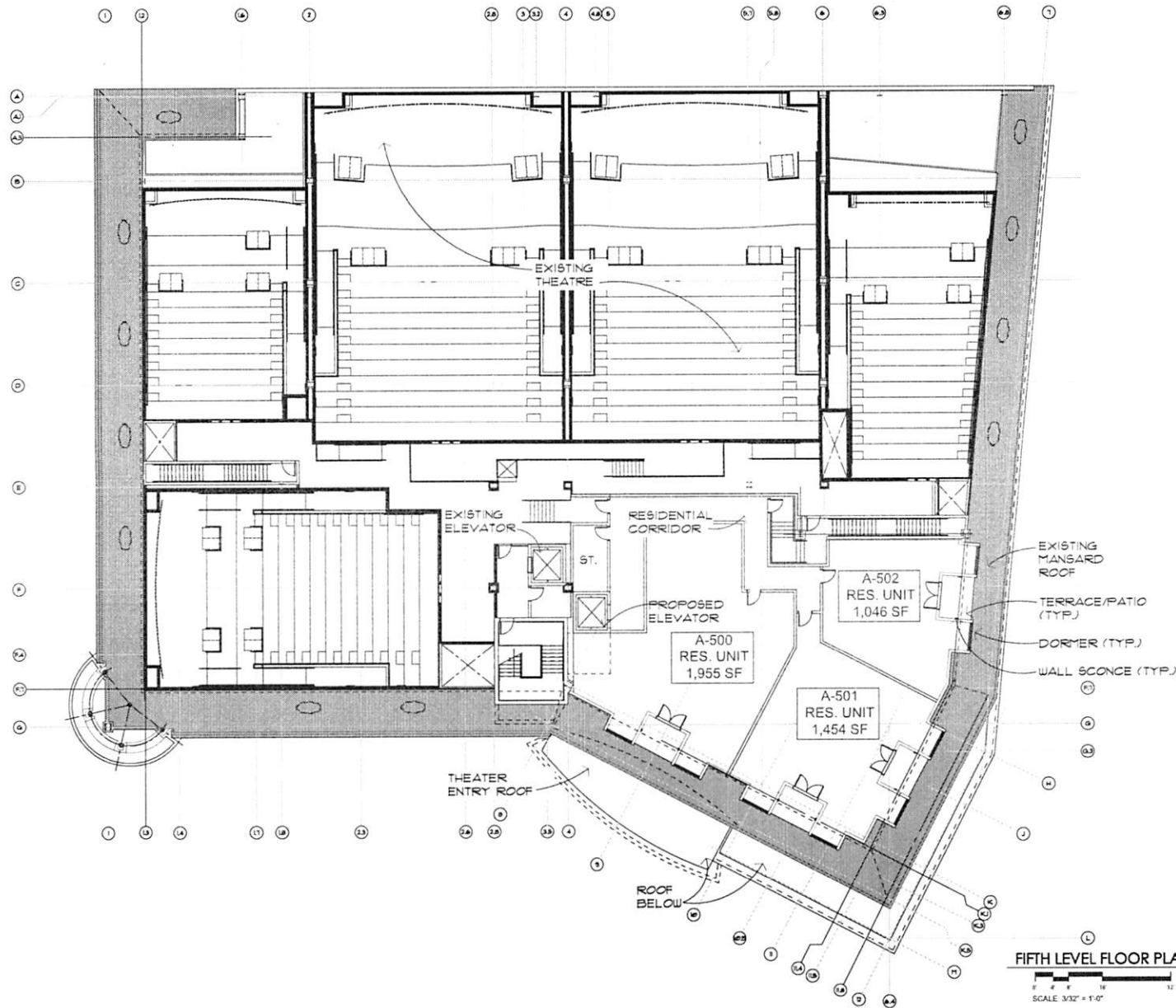
FOURTH LEVEL
 FLOOR PLAN



PALLADIUM
 BIRMINGHAM, ALABAMA
 A.P. JONNA
 DEVELOPMENT & MANAGEMENT CO.

JPRB ARCHITECTS
 1787
 A.106

1787
 A.106



Final Site Plan Approval
JUNE 09, 2014

FIFTH LEVEL FLOOR PLAN



PALLADIUM
BIRMINGHAM, ALABAMA
A.F. JONES
DEVELOPMENT & MANAGEMENT CO.

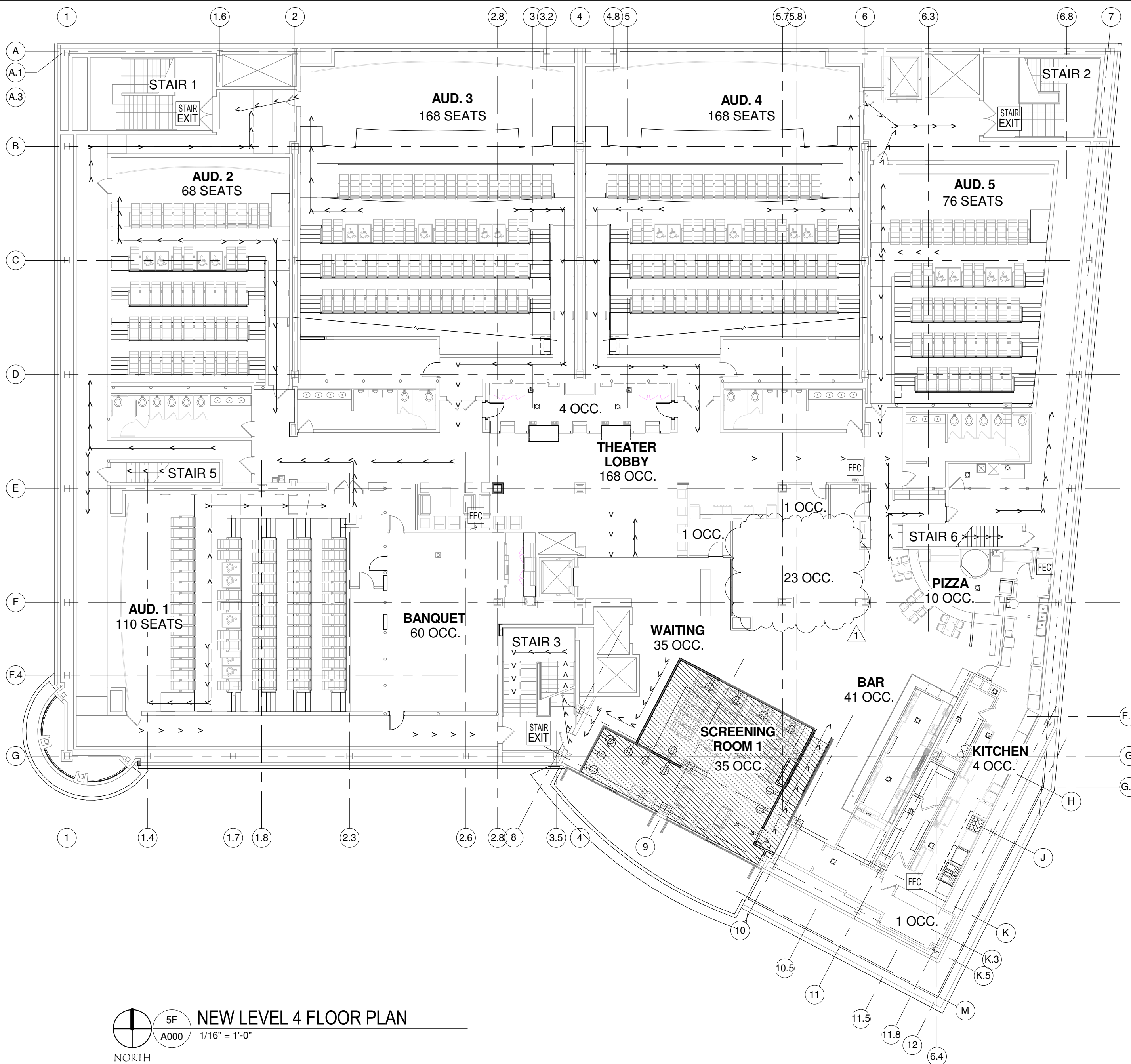
JPR ARCHITECTS
2020 West Tower Drive, Suite 100
Birmingham, AL 35202
Phone: (205) 988-1111
Fax: (205) 988-1112
www.jprarchitects.com

Sheet No.	1787
Project No.	A.107

EMAGINE PALLADIUM SCREENING ROOMS

250 N. Old Woodward Avenue
Birmingham, MI 48009

APPLICABLE CODES:	
BUILDING CODE 2012 Michigan Building Code	
ELECTRICAL CODE 2014 National Electrical Code (NEC)	
MECHANICAL CODE 2012 Michigan Mechanical Code	
PLUMBING CODE 2012 Michigan Plumbing Code	
SUMMARY:	
OCCUPANCY, CHAPTER 3	
Classification(s) per 303.1	Motion Picture Theaters - A-1
Incidental use areas per 302.1.1	Storage rooms over 100 SF - automatic fire-extinguishing system permitted without a fire barrier. Doors shall be self-closing.
Non Separated uses per 508.3.2	Separations not required based upon Table 508.3.3 - entire building shall comply with most restrictive occupancy classification (A-1) and the most restrictive applicable provisions of Section 403 and Chapter 9.
BUILDING HEIGHTS AND AREAS, CHAPTER 5	
Construction Type	Type 2A, PROTECTED NONCOMBUSTIBLE
Allowable Building Height per table 503	6 stories allowed - 6 stories actual (85 feet allowed, 73 feet actual)
Allowable Area per table 503	57,855 SF Allowable, 33,200 SF (4th floor) + 2,460 SF (5th floor) actual
INTERIOR FINISHES, CHAPTER 8	
Interior wall and ceiling finish requirements per Table 803.5	All exit passageways, exit access corridors and other exitways shall have a Class B flame spread index or greater. All rooms and enclosed spaces shall have a Class C flame spread index or greater.
FIRE PROTECTION SYSTEMS, CHAPTER 9	
Automatic Sprinkler System per 903.2.1.1	COMPLETE AUTOMATIC SPRINKLER SYSTEM
MEANS OF EGRESS, CHAPTER 10	
Occupant load factor per Table 1004.1.2	Refer to occupant load summary this sheet
Means of egress width factors per Sec. 1005.3	Stairs and Aisle steps: 0.20 inches per person width Doors and other egress: 0.15 inches per person width
Occupant Load	1,073 Total Occupants
Minimum dead end corridor length per Section 1018.2	20'
Common path of egress travel per Section 1014.3	Not to exceed 75 feet
Exit access travel distance per Table 1016.2	Not to exceed 250 feet
Panic and fire exit hardware per 1008.1.9	Exit doors serving 100 or more in an A occupancy are not permitted to be equipped with a lock or latch unless it is panic hardware
PLUMBING FACILITIES, CHAPTER 29	
Minimum number of plumbing facilities per Table No. 29	Refer to plumbing counts this sheet



LIFE SAFETY PLAN KEYNOTES

GENERAL LIFE SAFETY PLAN NOTES

- THEATER IS OPERATED ON STAGGERED TIME SHOWINGS. THE AUDITORIUMS AND LOBBY WOULD NEVER BE 100% OCCUPIED AT THE SAME TIME.
- THIS THEATER IS 100% DIGITAL. NO FILM WILL BE PRESENT IN THE BUILDING.

LIFESAFETY PLAN LEGEND

- EXISTING BUILDING AREA
- EXISTING BUILDING OF RENOVATION
- BUILDING EXIT
- FIRE EXTINGUISHER LOCATIONS
- 1 HOUR SMOKE BARRIER
- 2 HOUR SMOKE BARRIER/FIRE BARRIER
- 2 HOUR FIRE BARRIER
- SMOKE RESISTANT CORRIDOR
- SMOKE RESISTANT HAZARDOUS ROOM
- 1 HOUR CORRIDOR
- 2 HOUR CORRIDOR
- SMOKE RESISTANT SHAFT
- 1 HOUR SHAFT
- 2 HOUR SHAFT
- 2 HOUR EXIT ENCLOSURE
- PATH OF EGRESS

PROJECT TEAM

EMAGINE ENTERTAINMENT.....Owner
CH BIRMINGHAM LLC
MICHAEL SOUTHEN mssouten@signatureassociates.com Phone: (248) 799-3176 Fax: (248) 948-4198

TOWER CONSTRUCTION.....General Contractor
3883 TELEGRAPH RD., SUITE 200
BLOOMFIELD TWP., MI 48302
JASON GEMERE jason@tower-construct.com Phone: (248) 287-8200 Fax: (248) 287-8203

STUDIO 3 DESIGN, INC.....Architect
8604 ALLISONVILLE ROAD, SUITE 330
INDIANAPOLIS, IN 46250
KEVIN COPPEDGE kcoppedge@studio3design.net Phone: (317) 572-1240 Fax: (317) 572-1236

MA ENGINEERING.....MEP Engineer
200 E. Brown Street
Birmingham, MI 48009
Salim Sessine ssessine@ma-engineering.com Phone: (248) 258-1610 Fax: (248) 258-9538

DRAWING LIST

Sheet Number	Sheet Name
A000	COVER SHEET / LIFE SAFETY PLAN
A001	INFORMATION SHEET
A050	LEVEL 4 DEMOLITION PLAN
A100	FOURTH FLOOR PLAN
A120	NEW LEVEL 4 REFLECTED CEILING PLAN
A130	FINISH LEGEND & MATERIAL LIST
A600	INTERIOR ELEVATIONS & DETAILS

DRAWING LIST

Sheet Number	Sheet Name
E001	ELECTRICAL LEGEND, SHEET INDEX AND SPECIFICATIONS
E002	LEVEL 4 DEMOLITION PLAN - ELECTRICAL
E100	FOURTH FLOOR PLAN - LIGHTING
E200	FOURTH FLOOR PLAN - POWER
E300	ROOF PLAN
R-E002	REFERENCE - ELECTRICAL RISER DIAGRAM
R-E100	REFERENCE - FOURTH FLOOR PLAN - LIGHTING
R-E200	REFERENCE - FOURTH FLOOR PLAN - POWER & SYSTEMS
M100	LEVEL 4 DEMOLITION PLAN - MECHANICAL
M200	LEVEL 4 NEW WORK PLAN - HVAC
M300	MECHANICAL DETAILS AND SCHEDULES
M400	MECHANICAL SPECIFICATIONS

STUDIO
THREE
DESIGN
Architecture • Interior Design

www.studio3design.net
Phone: (317) 595.1000
Fax: (317) 572.1236
8604 Allisonville Road, Suite 330
Indianapolis, IN 46250

MECHANICAL - PLUMBING - ELECTRICAL
CONSULTING ENGINEER:



MAENGINEERING
MECHANICAL/ELECTRICAL
400 S. Old Woodward, Suite 100
Birmingham, MI 48009
P 248-258-1610 F 248-258-9538

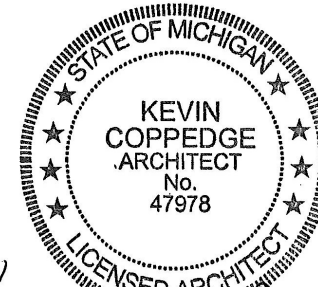
Emagine Entertainment
EMAGINE PALLADIUM
SCREENING ROOMS
250 N. Old Woodward Avenue
Birmingham, MI 48009

PROJECT NUMBER:
17091

DATE:
12-12-2017

Revision Schedule		
Revision Number	Revision Date	Revision Description
1	02-03-2018	SCREENING RM. #2 TAKEN OUT OF SCOPE. ITEMS ADDED TO SCREENING RM. #1

CERTIFICATION:



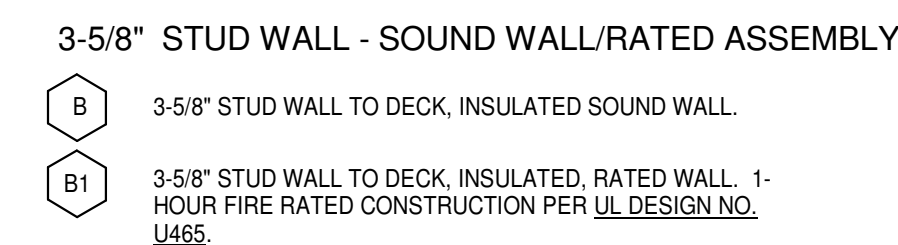
SHEET DESCRIPTION:

COVER SHEET / LIFE SAFETY
PLAN

SHEET NUMBER:

A000

THIS DRAWINGS IS THE PROPERTY
OF STUDIO 3 DESIGN, INC. ALL
RIGHTS RESERVED



1D WALL TYPE DETAIL
A001 1 1/2" = 1'-0"



ABBREVIATIONS		ABBREVIATIONS	
A.F.F.	ABOVE FINISHED FLOOR	MAS	MASONRY
ACT	ACOUSTICAL CEILING TILE	MAX	MAXIMUM
APP	APPROXIMATE	MB	MARKER BOARD
AWT	ACOUSTICAL WALL TREATMENT	MECH	MECHANICAL
B.O.	BOTTOM OF	MEZZ	MEZZANINE
BD	BOARD	MFR	MANUFACTURER
BLKG	BLOCKING	MIN	MINIMUM
BOT	BOTTOM	MO	MASONRY OPENING
C.J.	CONTROL JOINT	O.D.	OUTSIDE DIAMETER
CAB	CABINET	O.H.	OPPOSITE HAND
CL	CENTER LINE	OH	OVERHEAD
CMU	CONCRETE MASONRY UNIT	OPNG	OPENING
COL	COLUMN	OPP	OPPOSITE
CONC	CONCRETE	P LAM	PLASTIC LAMINATE
CONST	CONSTRUCTION	PLWD	PLYWOOD
CONT	CONTINUOUS	QT	QUARRY TILE
CPT	CARPET	R	RISER
CT	CERAMIC TILE	R.O.	ROUGH OPENING
CW	COLD WATER	RA	RETURN AIR
D.F.	DRINKING FOUNTAIN	REF	REFERENCE
DET	DETAIL	REQ	REQUIRED
DIM	DIMENSION	SA	SUPPLY AIR
DTL	DETAIL	SCH	SCHEDULE
DWC	DRINKING WATER COOLER	SEC	SECTION
DWG	DRAWING	SF	SQUARE FOOT
EA	EACH	SIM	SIMILAR
EIFS	EXTERIOR INSULATION FINISH SYSTEM	SPECS	SPECIFICATIONS
EJ	EXPANSION JOINT	SS	STAINLESS STEEL
EL	ELEVATION	STD	STANDARD
ETR	EXISTING TO REMAIN	STL	STEEL
EXIST	EXISTING	SUSP	SUSPENDED
EXP	EXPANSION	T.O.	TOilet
EXT	EXTERIOR	TEL	TELEPHONE
FD	FLOOR DRAIN	TV	TELEVISION
FE	FIRE EXTINGUISHER	TYP	TYPICAL
FIN	FINISH	U.O.N.	UNLESS OTHERWISE NOTED
FL	FLOOR	UR	URINAL
FT	FEET	VCT	VINYL COMPOSITION TILE
GA	GAUGE	VERT	VERTICAL
GYP	GYPSPUM	VT	VINYL TILE
HDW	HARDWARE	W/	WITH
HORIZ	HOLLOW METAL	W/O	WITHOUT
HORIZ	HORIZONTAL	WB	WOOD BASE
HVAC	HEATING, VENTILATING & AIR COND.	WC	WATER CLOSET
HW	HOT WATER	WOD	WOOD
I.D.	INSIDE DIAMETER	WH	WATER HEATER
JST	JOIST	WP	WORKING POINT
JT	JOINT		
KIT	KITCHEN		
LAM	LAMINATE		
LAV	LAVATORY		



1. THERE SHOULD BE NO QUESTIONS REGARDING THE CONTRACT DOCUMENTS, EXISTING CONDITIONS, AND/OR DESIGN INTENT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING A CLARIFICATION FROM THE ARCHITECT PRIOR TO BID SUBMITTAL PRIOR TO PROCEEDING WITH ANY WORK, OR RELATED WORK IN QUESTION.
2. THESE CONTRACT DOCUMENTS ARE INTENDED TO DESCRIBE ONLY THE SCOPE AND APPEARANCE OF THE REAL PROPERTY IMPROVEMENTS, INCLUDING THE PERFORMANCE AND LEVEL OF QUALITY EXPECTED OF ITS COMPONENTS. IT IS INCUMBERT UPON THE CONTRACTOR TO INSURE THAT ALL WORK COMPLETED AND MATERIALS INSTALLED BE IN FULL COMPLIANCE, AS A MINIMUM STANDARDS, WITH ALL APPLICABLE CODES, REGULATIONS AND ORDINANCES HAVING JURISDICTION.
3. THESE CONTRACT DOCUMENTS DO NOT ATTEMPT TO INSTRUCT THE CONTRACTOR IN THE DETAILS OF HIS TRADE. THEY ARE PERFORMANCE SPECIFICATIONS IN THAT THEY DO REQUIRE THAT ALL MANUFACTURED ITEMS, MATERIALS AND EQUIPMENT BE INSTALLED IN STRICT ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDED SPECIFICATIONS, EXCEPT IN THE CASE WHERE THE CONTRACT DOCUMENTS ARE MORE STRINGENT. ANY MISCELLANEOUS ITEMS OR MATERIALS NOT SPECIFICALLY NOTED, BUT REQUIRED FOR PROPER INSTALLATION SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR(S) RESPONSIBLE FOR THE AFFECTED PORTION OF WORK.
4. ALL WORK SHALL BE WARRANTED SATISFACTORY, IN MATERIALS AND WORKMANSHIP, FOR A MINIMUM PERIOD OF ONE (1) YEAR, OR FOR THE PERIOD OF WARRANTY CUSTOMARY, OR STIPULATED FOR THE TRADE, CRAFT, OR PRODUCT, WHICHEVER IS LONGER. THEREFORE, ONLY COMPETENT MECHANICS CAPABLE OF PRODUCING GOOD WORKMANSHIP CUSTOMARY TO THE TRADE SHALL BE USED.
5. THE CONTRACTOR SHALL COORDINATE WITH THE OWNER, OR THE AUTHORIZED, AGENT, TO DETERMINE ALL EXISTING MATERIALS TO BE SALVAGED AND RETAINED BY THE OWNER. THE CONTRACTOR SHALL REMOVE SALVAGEABLE MATERIALS FROM THE SPACE AND STORE IN A LOCATION AS DIRECTED BY THE OWNER. ALL OTHER MATERIALS, RUBBISH, AND DEBRIS, SHALL BE REMOVED AND PROMPTLY DISPOSED OF BY THE CONTRACTOR AT AN OFFSITE LOCATION. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO ASSURE THAT ALL PROPERTY IMPROVEMENTS (I.E. PARTITIONS, DOORS, FRAMES, CABINETS, CEILING GRID, CEILING TILE, AND THE ELECTRICAL AND MECHANICAL DEVICES, ETC.) WHICH ARE TO REMAIN, ARE PROTECTED FROM DAMAGE OF ANY KIND.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFYING ALL EXISTING WORK WHICH IS TO REMAIN, AND DETERMINING WHETHER OR NOT IT CAN BE REPAIRED AND/OR RECONDITIONED TO MATCH AND BLEND WITH NEW MATERIALS AND COMPONENTS. THEY SHALL OBTAIN THE OWNER'S APPROVAL OF THE SCOPE AND LIMIT OF SAID WORK PRIOR TO STARTING CONSTRUCTION AND RECOMMEND AN ALLOWANCE IF NECESSARY. NO CHANGE ORDERS SHALL BE ACCEPTED FOR COMPLETED WORK THAT DOES NOT CONFORM TO THE STANDARDS ESTABLISHED AT THE TIME OF BID ACCEPTANCE.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FAMILIARIZING HIMSELF WITH THE PROJECT SCOPE OF WORK, BUILDING STANDARDS, SCHEDULE AND DEADLINES. THE CONTRACTOR SHALL FURTHER BE RESPONSIBLE FOR ADVISING THE OWNER OF ALL LONG LEAD TIME ITEMS AFFECTING THE PROJECT SCHEDULE AND SHALL, UPON REQUEST FROM THE OWNER, SUBMIT ORDER CONFIRMATIONS AND DELIVERY DATES FOR SUCH LONG LEAD TIME ITEMS TO THE OWNER.
8. THE CONTRACTOR SHALL COORDINATE WITH THE BUILDING OWNER ACCESS TO THE SPACE AND THE ONGOING CONSTRUCTION WORK. DISRUPTIVE OR POTENTIALLY HAZARDOUS CONSTRUCTION ACTIVITIES OCCURRING WITHIN OR ADJACENT TO OCCUPIED SPACE SHALL BE COORDINATED TO OCCUR AFTER NORMAL OFFICE HOURS, SO AS TO MINIMIZE DISTURBANCE TO BUILDING OCCUPANTS.
9. THE CONTRACTOR SHALL COORDINATE WITH THE BUILDING OWNER FOR DELIVERY TO THE SPACE OF ALL BUILDING MATERIALS, AND SHALL ARRANGE FOR USAGE OF THE FREIGHT ELEVATOR (OR SUCH ELEVATOR DESIGNATED IF APPLICABLE). IF DELIVERY OF BUILDING MATERIALS INVOLVES THE USE OF OTHER FACILITIES, THE CONTRACTOR SHALL COORDINATE SUCH ACTIVITIES IN SUCH A MANNER WHICH POSES NO HAZARD TO ANY PERSONNEL WITHIN OR AROUND THE BUILDING OR BUILDING SITE.
10. ALL CONTRACTOR OR SUPPLIER REQUESTS FOR SUBSTITUTIONS OF SPECIFIED ITEMS SHALL BE SUBMITTED IN WRITING ACCOMPANIED BY THE ALTERNATIVE PRODUCT INFORMATION TO THE ARCHITECT. ALL SUBSTITUTIONS SHALL BE SUBMITTED TO THE ARCHITECT, NO LATER THAN (10) WORKING DAYS PRIOR TO BID OPENING DATE. SUBSTITUTIONS SHALL ONLY BE CONSIDERED IF THEY DO NOT SACRIFICE QUALITY, APPEARANCE, AND FUNCTION. UNDER NO CIRCUMSTANCES WILL THE OWNER BE REQUIRED TO PROVE THAT A PRODUCT PROPOSED FOR SUBSTITUTION IS OR IS NOT EQUAL QUALITY TO THE PRODUCT SPECIFIED.
11. UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR SCALE THE DRAWINGS TO DETERMINE THE DIMENSIONS. SEE FLOOR PLAN FOR DIMENSION LOCATIONS.
12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION OF ALL SELECTED MATERIALS WHICH SHALL BE COMPLETE IN ALL RESPECTS PRIOR TO THE FINAL ACCEPTANCE, UNLESS OTHERWISE NOTED.
13. THE CONTRACTOR SHALL BE PRESERVE ALL PRINTED INSTRUCTIONS AND WARRANTIES THAT ARE PROVIDED WITH EQUIPMENT OR MATERIALS USED, AND DELIVER SAID IN PRINTED MANNER TO THE OWNER AT THE TIME(S) DESIGNATED FOR O & M MANUAL DISBURSEMENTS. THE CONTRACTOR SHALL INSTRUCT THE OWNER OR OWNERS REPRESENTATIVE IN THE PROPER USE OF THE EQUIPMENT FURNISHED BY THEIR TRADE.
14. GENERAL CONTRACTOR IS TO PROVIDE A THOROUGH CONSTRUCTION CLEAN-UP AT CLOSE-OUT, INCLUDING VACUUMING AND CLEANING ALL CARPETING.
15. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS OF CUSTOM MILLWORK, CUSTOM FABRICATION OR MANUFACTURE, AND PHYSICAL SAMPLES OF ALL FINISH MATERIALS SPECIFIED TO THE ARCHITECT FOR REVIEW AND APPROVAL BY THE OWNER. SEE SPECIFICATIONS.
16. REVIEWED SHOP DRAWINGS AND SCHEDULES PREPARED BY OTHERS SHALL NOT BE CONSTRUED TO BE PART OF THE CONTRACT DOCUMENTS, AS THE ARCHITECT ASSUMES NO RESPONSIBILITY FOR DRAWINGS, SCHEDULES, AND/OR SPECIFICATIONS FOR WORK ON THE PROJECT PREPARED OR ACCOMPLISHED BY OTHERS.
17. THE ARCHITECT WILL REVIEW THE DRAWINGS AND SAMPLES SUBMITTED BY THE CONTRACTOR (FOLLOWING A REVIEW BY THE GENERAL CONTRACTOR) FOR CONFORMITY WITH THE INFORMATION CONTAINED IN THE CONSTRUCTION DOCUMENTS.
18. CONTRACTOR TO FOLLOW ALL BUILDING STANDARDS, INTERIM LIFE SAFETY MEASURES AND COORDINATE SCHEDULING OF WORK WITH AFFECTED OCCUPANTS (IF APPLICABLE) PRIOR TO STARTING.
19. CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS AND NOTIFY ARCHITECT, IN WRITING, OF ALL DISCREPANCIES. CONTRACTOR TO REVIEW AND RECORD EXISTING CEILING FIELD CONDITIONS, LIGHT FIXTURE AND MEP SUPPLY/RETURN LOCATIONS, SPRINKLER HEADS, AND ALL OTHER CEILING ITEMS LOCATIONS PRIOR TO CONSTRUCTION. DISCREPANCIES IN THIS INFORMATION SHALL BE RECORDED IN THE CONSTRUCTION FIELD SET.
20. THE GENERAL CONTRACTOR AND EACH TRADE IS RESPONSIBLE FOR REVIEWING AND COORDINATING ALL NEW WORK WITH ALL EXISTING CONDITIONS AND WITH ALL OTHER TRADES.
21. ALL CONSTRUCTION TO MEET CURRENT BUILDING STATE AND LOCAL CODES, ORDINANCES AND ADA REGULATIONS.
22. PREP ALL WALL SURFACES TO RECEIVE NEW PAINT OR WALL COVERING FINISH. PATCH ALL EXISTING HOLES IN AREAS TO RECEIVE NEW FINISHES. SAND ALL NEW TO EXISTING TRANSITION SMOOTH. PRIOR TO PAINTING, PATCH AREAS WHERE RECEPTACLE OR FIXTURES ARE REMOVED. REMOVE EMERGENCY LIGHTS, SIGNAGE, THERMOSTATS, FIRE STROBES, ETC. PRIOR TO PAINTING AND REINSTALL WHEN COMPLETE.
23. UNLESS NOTED OTHERWISE, THE TERM "PROVIDE" INDICATES TO SUPPLY AND INSTALL COMPLETE, FOLLOWING MANUFACTURER'S INSTRUCTIONS AND RECOMMENDATIONS AND SUPPLYING AND INSTALLING ALL ASSOCIATED ITEMS AND ACCESSORIES AS REQUIRED FOR COMPLETE INSTALLATION.
24. GENERAL CONTRACTOR SHALL ACCOMMODATE TENANTS' VENDORS DURING CONSTRUCTION AND WORK WITH THE OWNER TO SCHEDULE INSTALLATION OF OWNER SUPPLIED AND INSTALLED ITEMS.
25. WHERE RATED WALLS ARE INDICATED, ENTIRE WALL ASSEMBLY SHALL BE CONTINUOUS AS SHOWN OR IMPLIED ON THE CONTRACT DOCUMENTS.
26. WHERE GAUGE OF METAL STUDS ARE NOT SPECIFICALLY SHOWN OR NOTED, PROVIDE GAUGE AS INDICATED IN THE GENERAL WALL TYPE NOTES.
27. CONTRACTOR TO REVISE, ADD OR RELOCATE FIRE STROBES, SPRINKLERS, AND OTHER LIFE SAFETY DEVICES AS NECESSARY TO MEET ALL APPLICABLE CODES, MAINTAIN LIFE SAFETY AND/OR AS STIPULATED BY THE CONTRACT DOCUMENTS.
28. COMMENCEMENT OF WORK BY A CONTRACTOR OR SUBCONTRACTOR, CONSTITUTES ACCEPTANCE OF THE CONDITIONS AND SURFACES IN QUESTION. IF ANY SUCH CONDITIONS/SURFACES ARE UNACCEPTABLE, THE GENERAL CONTRACTOR SHOULD BE NOTIFIED AT ONCE BY THE SUBCONTRACTOR AND NO WORK DONE UNTIL CONDITIONS ARE ACCEPTABLE.
29. CONTRACTORS ARE TO FOLLOW ALL MANUFACTURERS RECOMMENDATIONS FOR INSTALLATION OF EQUIPMENT, MATERIALS, AND FINISHES.
31. CONTRACTOR TO PROVIDE DUST WALLS AT NECESSARY LOCATIONS.
32. THE CONTRACTOR IS RESPONSIBLE TO PATCH/REPAIR/SEAL ALL NEW & EXISTING PENETRATIONS INTO RATED WALLS TO MAINTAIN RATED ASSEMBLY.
33. ALL PENETRATIONS IN AND THROUGH FIRE AND SMOKE RATED WALLS SHALL BE SLEEVED AND FIRE STOPPED AS NECESSARY TO MAINTAIN RATING.

Imagine Entertainment
EMAGINE PALLADIUM
SCREENING ROOMS
250 N. Old Woodward Avenue
Birmingham, MI 48009

PROJECT NUMBER:
17091

DATE:
12-12-2017

Revision Schedule		
Revision Number	Revision Date	Revision Description

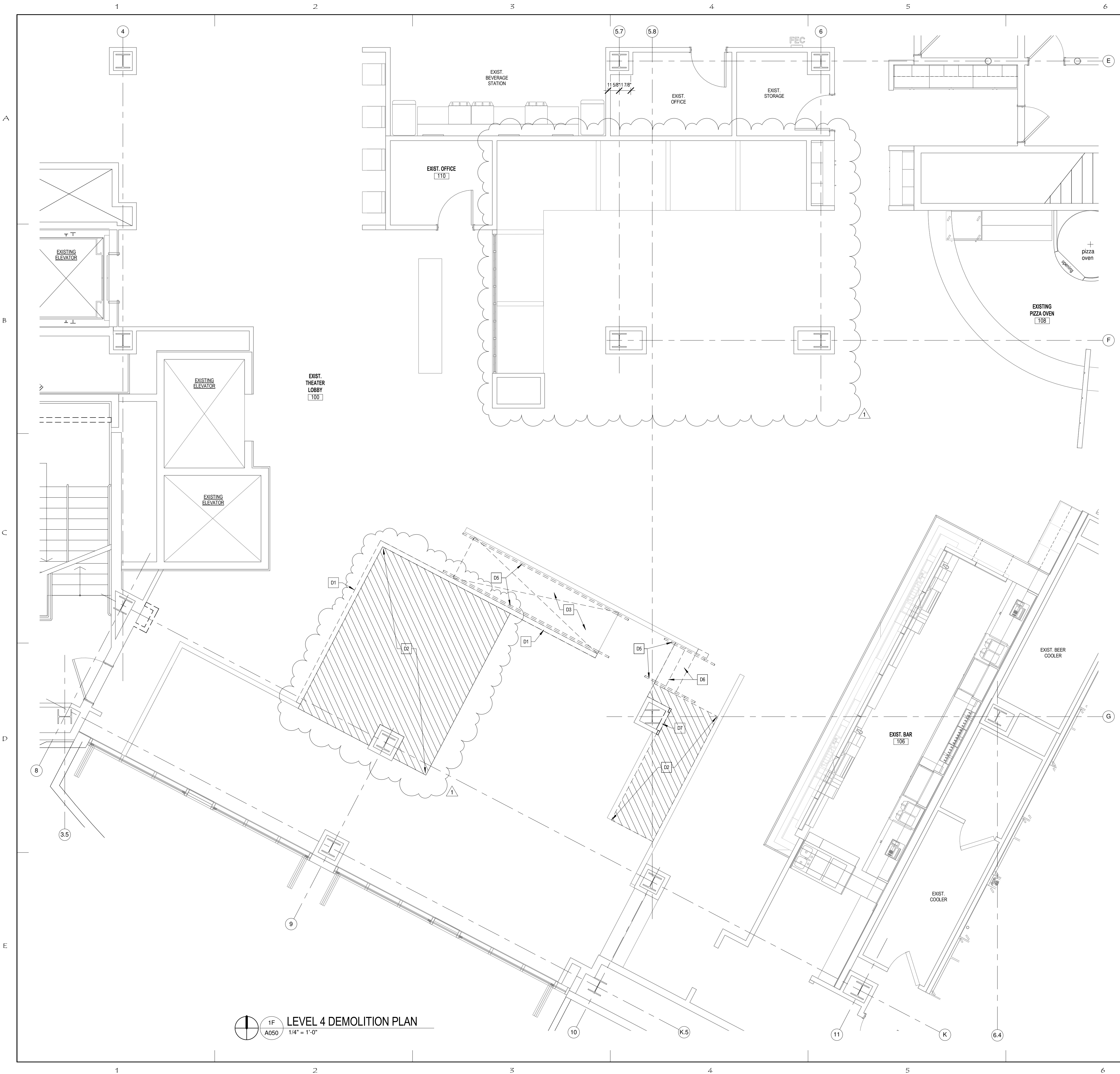
CERTIFICATION:



SHEET NUMBER:

A001

THIS DRAWINGS IS THE PROPERTY
OF STUDIO 3 DESIGN, INC. ALL
RIGHTS RESERVED



GENERAL DEMOLITION NOTES

- A. SEE GENERAL NOTES ON CUTTING AND PATCHING OUTLINED ON SHEET A001 FOR ADDITIONAL INFORMATION.
- B. PERFORM ALL WORK UNDER ESTABLISHED PROJECT GUIDELINES.
- C. FIELD VERIFY EXISTING CONDITIONS AND COORDINATE DEMOLITION OR REMOVAL WORK WITH CORRESPONDING NEW CONSTRUCTION WORK AND APPROPRIATE TRADES PRIOR TO STARTING DEMOLITION WORK. IF DISCREPANCIES ARE FOUND BETWEEN CONTRACT DOCUMENTS AND ACTUAL FIELD CONDITIONS, NOTIFY ARCHITECT IMMEDIATELY.
- D. DASHED LINES INDICATE EXISTING ITEMS TO BE REMOVED. UNLESS OTHERWISE NOTED, CONTRACTOR SHALL BE RESPONSIBLE FOR THE OFF-SITE DISPOSAL OF ALL DEMOLITION ITEMS.
- E. REMOVE ALL CONSTRUCTION DEBRIS FROM SITE DAILY. DO NOT ALLOW REFUSE TO BLOCK CORRIDORS, STAIRS, OR ANY OTHER TRAFFIC AREAS.
- F. PROVIDE TEMPORARY FIRE AND LIFE SAFETY PROTECTION THROUGHOUT DURATION OF PROJECT.
- G. PATCH AND REPAIR ALL ADJACENT SURFACES DISTURBED/DAMAGED BY CONSTRUCTION. CLEAN ALL FLOOR SURFACES OF ADHESIVE AND OR GROUT RESIDUE PRIOR TO INSTALLATION OF NEW FLOORING MATERIAL.
- H. PROTECT ADJACENT EXISTING TO REMAIN CONSTRUCTION THROUGHOUT DURATION OF PROJECT. PROVIDE SHORING, BRACING OR SUPPORT AS REQUIRED TO PREVENT MOVEMENT OR SETTLEMENT OF EXISTING CONSTRUCTION.
- I. PROVIDE CONSTRUCTION BARRIER PARTITIONS BETWEEN AREAS OF WORK AND OCCUPIED SPACES (IF APPLICABLE), PARTITIONS TO REMAIN INTACT THROUGHOUT CONSTRUCTION, INCLUDING COMPLETED WORK AND WORK UNDER CONSTRUCTION.
- J. REMOVE ALL EXISTING CONSTRUCTION ITEMS AND FINISHES MADE OBSOLETE BY OR IN CONFLICT WITH NEW CONSTRUCTION. VERIFY WITH ARCHITECT AND/OR OWNER'S REPRESENTATIVE. REMOVE WIRING BACK TO SOURCE AT ALL OUTLETS, ETC. MADE OBSOLETE BY WALL REMOVAL OR ANY OTHER NEW CONSTRUCTION.
- K. REMOVE ALL ITEMS IN THEIR ENTIRETY UNLESS OTHERWISE NOTED. DESCRIPTION OF PRIMARY ITEMS TO BE REMOVED IS GENERAL IN NATURE, AND REMOVAL OF SECONDARY COMPONENTS SUCH AS BLOCKING, SUPPORTS, ANCHORS, TRIM, ADHESIVE, PIPING, WIRING, ETC., RELATED TO PRIMARY ITEMS SHALL BE INCLUDED.
- L. RELOCATED ITEMS SHALL BE CLEANED AND PLACED IN STORAGE PER OWNER'S DIRECTIONS UNTIL ITEMS ARE READY TO BE REINSTALLED. IF ITEM IS DAMAGED DURING DEMOLITION OR RELOCATION, IT SHALL BE REPAIRED WITH NEW ITEM AS APPROVED BY OWNER AT NO EXPENSE TO OWNER.
- M. AT OWNER'S REQUEST, SALVAGED ITEMS SHALL BE TURNED OVER TO THE OWNER OR STORED IN AN AREA DESIGNATED BY THE OWNER.
- N. PATCH EXISTING FLOOR, WALL, AND CEILING CONSTRUCTION AT ABANDONED PENETRATION LOCATIONS WITH NEW MATERIALS AS REQUIRED TO RECEIVE NEW FINISHES AND TO MAINTAIN ORIGINAL FIRE RATING ASSEMBLY WHERE APPLICABLE.
- O. DEMOLITION DOCUMENTS GRAPHICALLY INDICATE ONLY SHELL CONSTRUCTION DEMOLITION. DEMOLITION DRAWINGS INDICATE, BUT DO NOT SHOW THE FULL EXTENT OF EXISTING INTERIOR WALLS, MECHANICAL, ELECTRICAL AND PLUMBING TO BE REMOVED. CONTRACTOR TO WALK SITE TO UNDERSTAND FULL EXTENT OF WORK.
- P. IF EXISTING ITEMS TO BE REMOVED OR DISTURBED ARE SUSPECTED OR DISCOVERED TO CONTAIN ASBESTOS OR OTHER HAZARDOUS MATERIALS, STOP DEMOLITION AND NOTIFY OWNER IMMEDIATELY.
- Q. SEE M.E.P. DOCUMENTS FOR EXTENT OF DEMOLITION/REMOVAL OF PIPING/DUCTWORK/ELECTRICAL THAT WILL OCCUR IN PREPARATION FOR NEW CONSTRUCTION.

DEMOLITION KEYNOTES

- D1 REMOVE EXISTING HALF-WALL CONSTRUCTION DOWN TO BELOW RAISED PLATFORM. PROVIDE NEW TOP TRACK FOR SUPPORT OF NEW FLOOR SYSTEM.
- D2 REMOVE EXISTING FLOORING SYSTEM DOWN TO BARE CONCRETE / EXISTING TILE. PREP SURFACES TO RECEIVE NEW RAMP/FLOOR SYSTEM.
- D3 DEMO EXISTING RAMP AS NECESSARY TO FACILITATE INSTALLATION OF NEW FLOOR SYSTEM.
- D4 DEMO EXISTING BOOTH TABLE, BENCH, AND HALF WALL COMPLETE. PREP EXISTING TO REMAIN SURFACES TO RECEIVE NEW FINISHES.
- D5 DEMO EXISTING METAL PIPE HANDRAIL COMPLETE.
- D6 DEMO EXISTING STAIR RISER AS NECESSARY TO FACILITATE INSTALLATION OF NEW FLOOR SYSTEM.
- D7 REMOVE ONE SIDE OF COLUMN ENCLOSURE TO ALLOW FOR INSTALLATION OF NEW RAMP.



www.studio3design.net
Phone: (317) 595.1000
Fax: (317) 572.1236
8604 Allisonville Road, Suite 330
Indianapolis, IN 46250

MECHANICAL - PLUMBING - ELECTRICAL
CONSULTING ENGINEER:



400 S. Old Woodward, Suite 100
Birmingham, MI 48009
P 248-258-1610 F 248-258-9538

Imagine Entertainment
EMAGINE PALLADIUM
SCREENING ROOMS
250 N. Old Woodward Avenue
Birmingham, MI 48009

PROJECT NUMBER:

17091

DATE:

12-12-2017

Revision Schedule

Revision Number	Revision Date	Revision Description
1	02-03-2018	SCREENING RM. #2 TAKEN OUT OF SCOPE. ITEMS ADDED TO SCREENING RM. #1

CERTIFICATION:



SHEET DESCRIPTION:

LEVEL 4 DEMOLITION PLAN

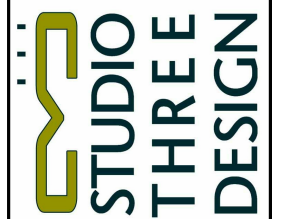
SHEET NUMBER:

A050

THIS DRAWINGS IS THE PROPERTY
OF STUDIO 3 DESIGN, INC. ALL
RIGHTS RESERVED



Imagine Entertainment
EMAGINE PALLADIUM
SCREENING ROOMS



PROJECT NO.

17091

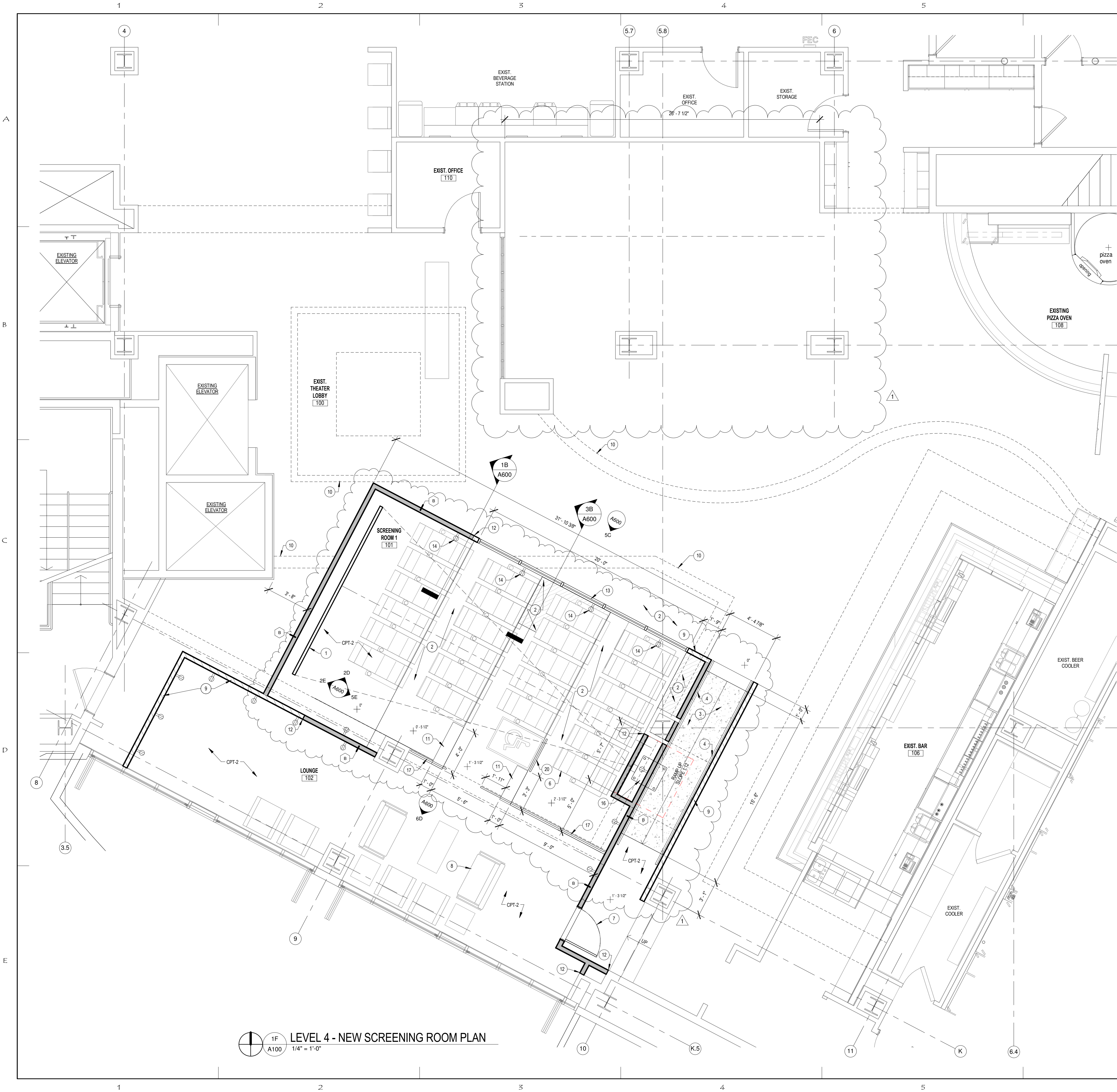
DATE
05-23-2018

SHEET DESCRIPTION

SCREENING ROOM PLAN

SHEET NUMBER

A612



GENERAL FLOOR PLAN NOTES

- A. CONTRACTOR TO FOLLOW ALL BUILDING/PROJECT STANDARDS. PROVIDE INTERIM LIFE SAFETY MEASURES AND FOLLOW ALL STATE AND LOCAL BUILDING CODES. IF CONTRARY INSTRUCTIONS ARE CONTAINED HEREIN, REQUEST CLARIFICATION FROM OWNER/ARCHITECT.
- B. CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFICATION OF ALL DIMENSIONS, JOB CONDITIONS, ETC.
- C. SEE SHEET A001 FOR ADDITIONAL NOTES.
- D. ALL DIMENSIONS ARE FROM FACE OF STUD FRAMING TO FACE OF STUD FRAMING UNLESS OTHERWISE NOTED.
- E. SEE WALL TYPES, DOORS AND HARDWARE SCHEDULES FOR ADDITIONAL INFORMATION.
- F. WHERE DISSIMILAR FLOOR MATERIALS MEET, THEY SHOULD DO SO UNDER THE CENTERLINE OF THE DOOR, UNLESS OTHERWISE NOTED.
- G. SEE TYPICAL DETAILS FOR LOCATION OF HINGE SIDE OF DOOR JAMBS FROM ADJACENT WALLS IN METAL STUD WALLS UNLESS OTHERWISE NOTED.
- H. PROVIDE BLOCKING IN NEW AND EXISTING WALLS FOR ALL WALL SUPPORTED ITEMS. SEE PLANS FOR CASEWORK LOCATIONS.
- I. ALL MATERIALS TO BE INSTALLED PER MANUFACTURERS RECOMMENDATIONS AND STANDARD SPECIFICATIONS.
- J. REFER TO SHEETS A130 AND A620-A622 FOR ALL REQUIRED FINISH INFORMATION.
- K. WHERE NEW WALL CONSTRUCTION IS REQUIRED ADJACENT TO OR ABUTTING EXISTING CONSTRUCTION, ALIGN FACE OF NEW CONSTRUCTION WITH FACE OF EXISTING CONSTRUCTION. SKIM ENTIRE WALL SURFACE AS REQUIRED TO PROVIDE SMOOTH, FLUSH TRANSITIONS.
- L. PROVIDE CONTROL JOINTS IN ALL RUNS OF GYPSUM BOARD. WALLS OVER 30 FEET IN LENGTH. COORDINATE WITH ARCHITECT PRIOR TO INSTALLATION FOR COMPLIANCE WITH DESIGN INTENT.
- M. PREP ALL WALL SURFACES TO RECEIVE NEW PAINT OR WALL COVERING FINISH. PATCH ALL EXISTING HOLES IN AREAS TO RECEIVE NEW FINISHES. SAND WALLS SMOOTH PRIOR TO PAINTING. PROVIDE BLANK COVER PLATES WHERE NEEDED. REMOVE EMERGENCY LIGHTS, SIGNAGE, THERMOSTATS, FIRE STROBES, ETC. PRIOR TO PAINTING AND REINSTALL WHEN COMPLETE.
- N. ALL PENETRATIONS IN AND THROUGH FIRE AND SMOKE RATED WALLS SHALL BE SLEEVED AND FIRE STOPPED AS NECESSARY TO MAINTAIN RATINGS.
- O. SEE MEP DRAWINGS FOR RELATED LEGENDS AND SCOPE OF WORK.
- P. SEE SHEET A001 FOR WALL TYPES.
- Q. SEE SHEET A001 FOR TYPICAL DOOR DETAILS.

NEW FLOOR PLAN KEYNOTES

- 1 PROJECTION SCREEN.
- 2 NEW PLYWOOD FLOOR ON METAL DECK AND STUDS. SEE SECTION 3B/A600 FOR ADDITIONAL INFORMATION.
- 3 NEW RAMP (PLYWOOD OVER METAL DECK AND STUDS). SEE DETAILS ON SHEET A600.
- 4 PIPERAIL HANDRAIL (WALL MOUNTED), TO BE PAINTED P-2. TOP OF RAIL TO BE 36" ABOVE FLOOR/RAMP/STEP NOSING. SPACE WALL BRACKETS 48" O.C. PROVIDE POSTS WHERE SHOWN. CORE DRILL POSTS INTO CONCRETE (6" TYP.) AND PACK WITH NON-SHRINK EPOXY GROUT.
- 5 INFILL BACKSIDE OF EXISTING WINDOW WITH METAL STUDS AND DRYWALL, PAINTED BLACK ON WINDOW SIDE.
- 6 NEW THEATER SEATS (RECLINERS), FLOOR MOUNTED.
- 7 NEW ACOUSTIC WOOD DOOR, SEE SHEET A001 FOR TYPICAL HEAD AND JAMB DETAILS. PROVIDE CONTINUOUS HINGE, DOOR PULL, PUSH PLATE, CLOSER W/HOLDER, AND WALL STOP. COORDINATE DOOR FINISH WITH OWNER.
- 8 OWNER PROVIDED FURNITURE.
- 9 EXTEND EXISTING HALF WALL CONSTRUCTION UP TO BOTTOM OF ROOF DECK ABOVE. REMOVE EXISTING PLYWOOD SHEATHING AND INSTALL NEW 5/8" GYP. BD. ON BOTH SIDES OF WALL. WALL TO BE INSULATED. SEE SECTION 1B/A600 FOR ADDITIONAL INFORMATION.
- 10 LINE OF BULKHEAD ABOVE.
- 11 NEW PLYWOOD AND METAL STUD STEP, 12" DEEP X WIDTH INDICATED ON PLAN. SEE DETAIL 3C/A600.
- 12 ALIGN NEW WALL WITH FACE OF EXISTING WALL/COLUMN. PROVIDE SMOOTH TRANSITION BETWEEN EXISTING AND NEW.
- 13 PROVIDE FIXED ALUMINUM STOREFRONT FRAMING WITH 1/4" CLEAR GLAZING, SIMILAR TO KAWNEER Trifab 400 FRAMING SYSTEM. ALTERNATE: PROVIDE OPERABLE PARTITION IN LIEU OF ALUMINUM FRAMING. SYSTEM TO BE EQUAL TO MODERNFOLD ACOUSTI-SEAL PAIRED PANEL SYSTEM 932FS. SEE ELEVATIONS ON SHEET A600 FOR ADDITIONAL INFORMATION.
- 14 WALL MOUNTED POWER SUPPLY FOR RECLINERS. COORDINATE POWER REQUIREMENTS WITH SEATING MANUFACTURER.
- 15 FLOOR POWER SUPPLY FOR RECLINERS. COORDINATE POWER REQUIREMENTS WITH SEATING MANUFACTURER.
- 16 PROJECTOR ON PLATFORM ABOVE. SEE SHEET A600 FOR ADDITIONAL INFORMATION. PROVIDE POWER AND DATA AS REQUIRED BY PROJECTOR MANUFACTURER.
- 17 STEEL PIPERAIL HANDRAIL (POST MOUNTED), TO BE PAINTED P-2. TOP OF RAIL TO BE 36" ABOVE FLOOR/STEP NOSING. SPACE POSTS 48" O.C. MAX.
- 20 26" HIGH PIPERAIL. PAINT P-2. SEE DETAIL 1C/A600 FOR ADDITIONAL INFORMATION.
- 24



www.studio3design.net
Phone: (317) 595.1000
Fax: (317) 572.1236
8604 Allisonville Road, Suite 330
Indianapolis, IN 46250

MECHANICAL - PLUMBING - ELECTRICAL
CONSULTING ENGINEER:



400 S. Old Woodward, Suite 100
Birmingham, MI 48009
P 248-258-1610 F 248-258-9538

Imagine Entertainment
EMAGINE PALLADIUM
SCREENING ROOMS
250 N. Old Woodward Avenue
Birmingham, MI 48009

PROJECT NUMBER:

17091

DATE:

12-12-2017

Revision Schedule

Revision Number	Revision Date	Revision Description
1	02/03/2018	SCREENING RM. #2 TAKEN OUT OF SCOPE. ITEMS ADDED TO SCREENING RM. #1

CERTIFICATION:



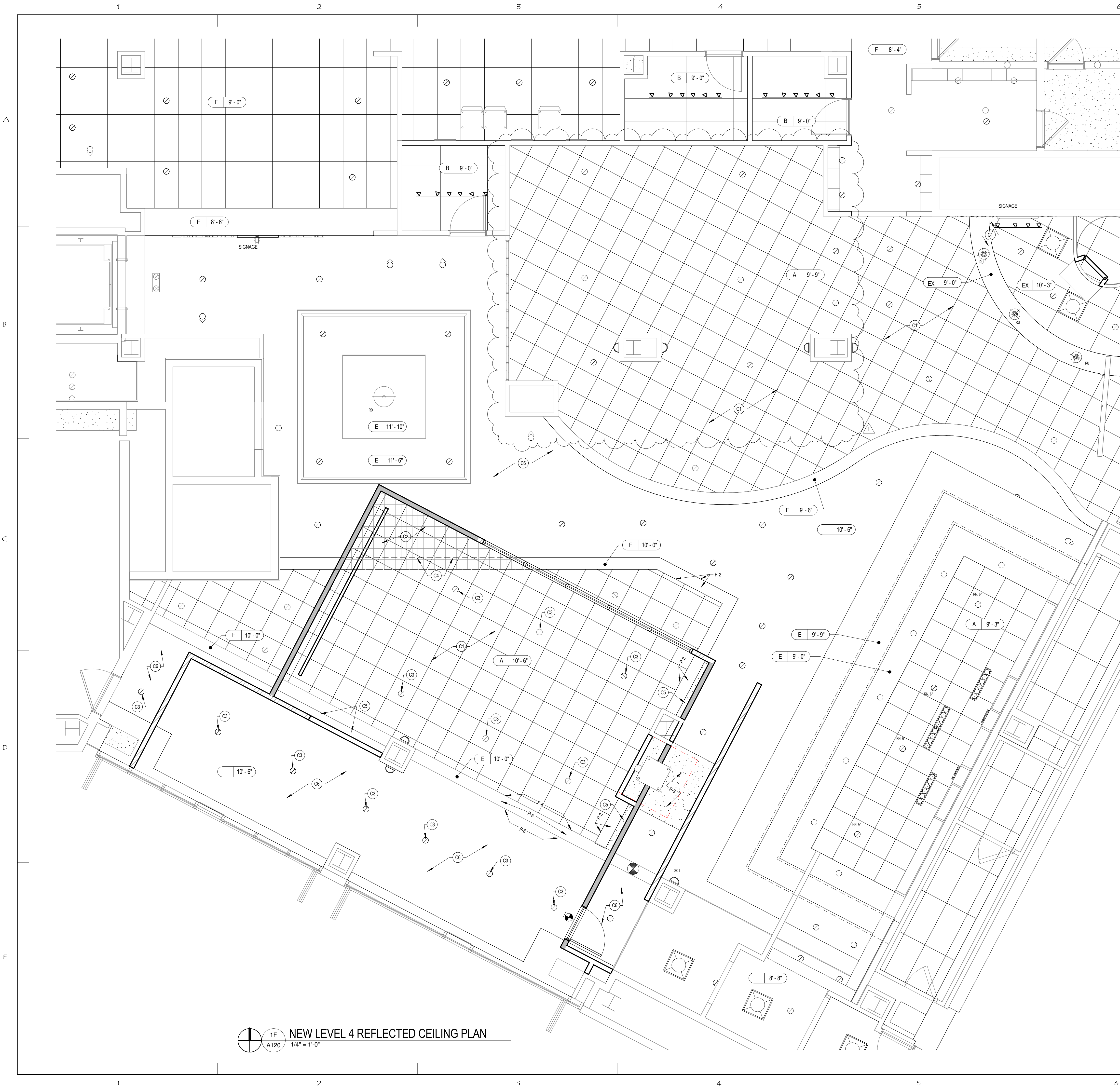
SHEET DESCRIPTION:

FOURTH FLOOR PLAN

SHEET NUMBER:

A100

THIS DRAWINGS IS THE PROPERTY
OF STUDIO 3 DESIGN, INC. ALL
RIGHTS RESERVED



- GENERAL CEILING PLAN NOTES
- EXISTING TO REMAIN CEILING SYSTEMS SHOWN LIGHTER THAN NEW GRID SYSTEM.
 - NEW CEILING GRID CENTERED IN ROOM EACH WAY, UNLESS NOTED OTHERWISE.
 - UNLESS OTHERWISE NOTED, INSTALL SUSPENDED CEILING GRID WITH EQUAL SIZE PANELS AT EACH SIDE OF ENDS OF ROOMS. IN GENERAL, PANELS SHOULD NOT BE LESS THAN 1'-0" WIDE.
 - PROVIDE NIGHT LIGHT CIRCUITS AS REQUIRED.
 - REFER TO ROOM FINISH SCHEDULE FOR SPECIFIC CEILING TYPES, MATERIALS, ETC.
 - THE ARCHITECTURAL REFLECTED CEILING PLANS SHALL GOVERN THE LAYOUT OF ALL CEILING ELEMENTS AND/OR PENETRATIONS. COORDINATE WITH ARCHITECT ANY FIELD CONDITIONS THAT DIFFER FROM WHAT IS SHOWN ON THESE PLANS.
 - SIZES AND SHAPES OF MECHANICAL EQUIPMENT, LIGHTING AND OTHER MISC. ELECTRICAL EQUIPMENT (IF SHOWN HERE) ARE SHOWN FOR REFERENCE ONLY. COORDINATE ACTUAL SIZES AND CIRCUITING WITH ELECTRICAL ENGINEERING DOCUMENTS.
 - REFER TO WALL TYPE FOR ADDITIONAL INFORMATION & WALLS THAT BREAK GRID.
 - IF POSSIBLE, ANY CEILING MOUNTED ITEMS (SPRINKLER HEADS, SPEAKERS, ETC.) SHOULD BE CENTERED IN CEILING PANELS.
 - WHERE EXISTING CEILING GRID IS REMODELED TO MEET NEW CONSTRUCTION, THE CONTRACTOR SHALL:
A. REPLACE ALL DAMAGED OR UNREPAIRABLE PORTIONS OF EXISTING GRID WITH NEW GRID TO MATCH EXISTING BUILDING STANDARDS.
B. REMOVE PORTIONS OF EXISTING GRID OR PROVIDE NEW GRID AS REQUIRED BY NEW CONSTRUCTION. ALL NEW GRID MUST MATCH EXISTING TO REMAIN OR BE BUILDING STANDARD.
C. REPLACE ALL DAMAGED CEILING TILES WITH NEW TILES TO MATCH EXISTING TO REMAIN.

- REFLECTED CEILING PLAN KEYNOTES
- C1 EXISTING ACOUSTIC CEILING TO REMAIN. REPLACE ANY MISSING OR DAMAGED CEILING TILES.
C2 INFILL ACOUSTIC CEILING TILE AND GRID TO MATCH EXISTING.
C3 NEW OR RELOCATED CAN LIGHT.
C4 DEMO PORTION OF EXISTING BULKHEAD AS SHOWN.
C5 INSTALL NEW GYP. BD. CEILING TO INFILL SPACE BETWEEN WALL AND EXISTING BULKHEAD.
C6 EXISTING GYP. BD. CEILING TO REMAIN. PATCH AND REPAIR ANY DAMAGED AREAS, INCLUDING AREAS WHERE LIGHTS, SIGNAGE, NEON, AND OTHER CEILING MOUNTED ITEMS HAVE BEEN REMOVED. PROVIDE SMOOTH, FLUSH SURFACE TO RECEIVE NEW PAINT FINISH.

- REFLECTED CEILING PLAN LEGEND
- CEILING TYPE
MATERIAL/DETAIL VARIATION
CEILING HEIGHT
CEILING TAG
CLG2 0'-0"
CLG2 0'-0"
CEILING GRID
2' X 4' RECESSED FLUORESCENT
NEW BLACK UNDERMOUNT LED LIGHT
NEW WALL MOUNT FLUORESCENT
NEW 1' X 4' RECESSED TROFFER FLUORESCENT
NEW VANITY LIGHT
4" DOWNLIGHT w/ LED BULB, UNLESS NOTED OTHERWISE
WALL MOUNTED EXIT SIGN
CEILING MOUNTED EXIT SIGN
HVAC SUPPLY DIFFUSER
HVAC RETURN GRILLE
SMOKE DETECTOR
WALL SCONCE - ADIRONDACK SILVER LEAF
PENDANT - CUSTOM "TWIG" FIXTURE
PENDANT - RAISED DINING AREA
PENDANT - RECEPTION
PENDANT - BERESFORD BRONZE ANTLER
PENDANT - CHROME / AMBER BULBOUS MINI
PENDANT - ALITA CHAMPAGNE PENDANT (3 TOTAL - HUNG AT DIFFERENT ELEVATIONS)
TRACK LIGHTING w/ LED TRACK HEADS

**STUDIO
THREE
DESIGN**
Architecture • Interior Design
www.studio3design.net
Phone: (317) 595.1000
Fax: (317) 572.1236
8604 Allisonville Road, Suite 330
Indianapolis, IN 46250

MECHANICAL - PLUMBING - ELECTRICAL
CONSULTING ENGINEER:
MAENGINEERING
MECHANICAL • ELECTRICAL
400 S. Old Woodward, Suite 100
Birmingham, MI 48009
P 248-258-1610 F 248-258-9538

Imagine Entertainment
**EMAGINE PALLADIUM
SCREENING ROOMS**
250 N. Old Woodward Avenue
Birmingham, MI 48009

PROJECT NUMBER:
17091
DATE:
12-12-2017

Revision Schedule		
Revision Number	Revision Date	Revision Description
1	02-03-2018	SCREENING RM. #2 TAKEN OUT OF SCOPE. ITEMS ADDED TO SCREENING RM. #1

CERTIFICATION:

SHEET DESCRIPTION:
**NEW LEVEL 4 REFLECTED
CEILING PLAN**

SHEET NUMBER:
A120

THIS DRAWINGS IS THE PROPERTY
OF STUDIO 3 DESIGN, INC. ALL
RIGHTS RESERVED

	1	2	3	4	5	6	7
	FINISH MATERIAL LIST						
	MARK	MANUFACTURER	STYLE	MODEL NUMBER	COLOR	SIZE	COMMENTS
A	CARPET						
	CPT-2	DURKAN	PATTERN "D39774", ANASTASIA SERIES	STRIKE OFF P0216521C	BLACK W/ TAUPES & GOLD, CUSTOM SCROLL 'E'	24"x24" REPEAT	REP: MARNI BROWN 517-719-0800 marni_brown@mohawkind.com
	CPT-3	MOHAWK GROUP (BIGELOW BRAND)	BOLD STROKES, MIXOLOGY COLLECTION	BQ 362	#968 "SMOKY MARTINI"	BROADLOOM	REP: MARNI BROWN 517-719-0800 marni_brown@mohawkind.com
	CARPET BASE						
	CB-1	DURKAN	SAME AS CPT-1			6" HIGH	SAME AS CPT-1, BIND ONE EDGE
	CEILINGS						
	A	USG	FROST CLIMAPLUS	414	090 SANDSTONE	2' x 2'	GRID: 15/16", SANDSTONE
	B	USG	RADAR	2310	WHITE	2' x 4'	GRID: 15/16", WHITE
	C	USG	CLEAN ROOM, UNPERFORATED	56091	WHITE	2' x 4'	GRID: 15/16", WHITE
	D	USG	RADAR CLIMAPLUS	2410	FLAT BLACK	2' x 4'	GRID: 15/16", BLACK
B	E		SUSPENDED GYP. BD. CEILING / BULKHEAD		AS NOTED ON PLANS		
	F	USG	FROST CLIMAPLUS	414	143 STRAW	2' x 2'	GRID: 15/16", STRAW
	CERAMIC TILE						
	CT-1	DALTILE	CONTINENTAL SLATE	CS50	EGYPTIAN BEIGE	12" x 18"	PATTERN: STAGGERED BRICKWORK GROUT: GT-1 REP: KIM HOFFMAN 248-471-7150
	CT-2	DALTILE	ACACIA VALLEY	AV07 & AV15	ALDER	6" x 36" AV07, 9" x 36" AV15	LAY IN ALTERNATING PATTERN. USE MATCHING BASE TB-3. GROUT GT-1
	CT-3	DALTILE	CONTINENTAL SLATE	CS56	TUSCAN BLUE	12"x18" STAGGERED BRICKWORK PATTERN.	GROUT: GT-7. TILE USED AT BOTH WALL AND FLOOR APPLICATIONS
	CT-4	DALTILE	SLATE RADIANCE	SA55	FLINT	5/8" MOSAIC LAY-IN HORIZONTALLY	ACCENT BAND THROUGH OUT BATHROOMS - +/- 12" HIGH, BAR AND RANDOM. GROUT: GT-2
	CT-5	OLYMBIA VERSAILLES	BRUSHED STRAIGHT EDGE		WALNUT TRAVERTINE	16" x 24" x 7/16"	BEAVER TILE - FARMINGTON HILLS 248-476-2333 ("MUST SEAL)
	CT-8	ADEX		ADNT 1008 ADENACH36	NATURE CHARCOAL		MUST BE SEALED BEFORE AND AFTER GROUTING. FROM VIRGINIA TILE. SEE CT-7, GROUT: GT-5
	CT-9	LUNADA BAY	TOZEN	SGEOTIMOS140JN	TIN NATURAL	1"x4" BRICK JOINT GLASS MOSAIC	GLASS TILE TO BE SET W/TEC HB SUPERFLEX WHITE. GROUT WITH GT-6. ON PIZZA OVEN AND BACK OF BAR
C	CT-10	DALTILE	SLATE - NATURAL STONE	S772 NATURAL CLEFT GAUGED	AUTUMN MIST	16"x16" LAY IN GRID PATTERN.	FARMINGTON HILLS SHOWROOM - KIM 248-471-7150 START AT CLG & CUT AT FLOOR
	CT-11	STONE TILES INTERNATIONAL	STISIER LEDGER		SIERRA, NATURAL FACE	6x24 LEDGER PANEL. MUST BE SEALED.	GT-7 IF NEEDED. REP. VIRGINIA TILE, MAUREEN AT TROY, 248-649-4422 SELECTION #40669
	CT-12		CASTELLINA BLEND	STICABL1624HCU	COBBLESTONE HONED & UNFILLED TRAVERTINE	16x24. MUST BE SEALED BEFORE/AFTER GROUTING	GROUT GT-3. INSTALL IN STAGGERED VERTICAL BRICKWORK PATTERN STARTING AT CLG.
	CT-13	DALTILE	30 METAL MOSAICS	#9999447132	RECTANGLE STAINLESS STEEL	12"x6"	GROUT IF NEEDED WITH GT-6-#02 PEWTER (MAPAI). REP: KIM HOFFMAN 248-471-7150
	CERAMIC TILE BASE						
	TB-1	DALTILE	CONTINENTAL SLATE	CS50 S-36C9T	EGYPTIAN BEIGE	6" x 12" COVE BASE	FOR USE AT WTP-1, 2 & 3
	TB-2	DALTILE	SLATE COLLECTION	S772 NATURAL CLEFT GAUGED	AUTUMN MIST	6" CUT SLATE (CT-10) BEVEL TOP EDGE	FOR USE AT WTP-4
	TB-3	DALTILE	ACACIA VALLEY	#S-36C9T	ARK	6" x 12" COVE BASE	FOR USE AT CT-7
	CORNER GUARDS						
	CG-1	TBD					
D	FABRIC						
	F-1	HYTEX INDUSTRIES, INC.	HYTEX RIB	#19-17	TAFFY #19-17		REP: RICHARD RIGAZIO 781-963-4400
	F-2	HYTEX INDUSTRIES, INC.	HYTEX RIB	#19-33	BLACK		REP: RICHARD RIGAZIO 781-963-4400
	F-3	HYTEX INDUSTRIES, INC.	BRAVO	BELLO	GRGIO		REP: RICHARD RIGAZIO 781-963-4400
	F-4	CULP INDUSTRES	DILLION		LUGGAGE		THEATER SEAT FABRIC
	GRANITE						
	GR-1	-	GRANITE BAR TOP		SPECTRUS BLACK - "MAGMA"		THIS GRANITE MUST BE APPROVED. SLABS REVIEWED AND SIGNED OFF ON. GRANITE SELECTED AT CIOT DETROIT - RICCI BELLUCCI 248-288-8888
	GR-2	-	GRANITE PIZZA BAR SERVICE TOP		BLACK UBATUBA		GRANITE MUST BE TRUE BLACK. GRANITE SELECTED AT CIOT DETROIT - RICCI BELLUCCI 248-288-8888
	GR-3	-	CONCESSION COUNTER TOP		BLACK GALAXIE - BLACK & COPPER / GOLD FLECKS		GRANITE SELECTED AT CIOT DETROIT - RICCI BELLUCCI 248-288-8888
	GROUT						
E	GT-1	MAPEI	UNSANDED OR EQUAL	#05	CHAMOIS	1/8" GROUT JOINT	
	GT-2	MAPEI	UNSANDED OR EQUAL	#50	MAGNOLIA	1/8" GROUT JOINT	
	GT-3	MAPEI	UNSANDED OR EQUAL	#44	PALE UMBER	1/8" GROUT JOINT	
	GT-4	MAPEI	UNSANDED OR EQUAL	#10	BLACK	1/8" GROUT JOINT	
	GT-5	MAPEI	UNSANDED OR EQUAL	#09	CHARCOAL	1/8" GROUT JOINT	
	GT-6	MAPEI	UNSANDED OR EQUAL	#02	PEWTER	1/8" GROUT JOINT	
	GT-7	MAPEI	UNSANDED OR EQUAL	#11	SAHARA BEIGE (QUARRY TILE)	1/8" GROUT JOINT	
	PAINT						
	P-1	BENJAMIN MOORE		HC-20	WOODSTOCK TAN		MATCHES WC-1 & SANDSTONE CEILING TILE
	P-2	SHERWIN WILLIAMS		SW7674	PEPPERCORN		MATCHES WALLCOVERING WC-2 AND WC-4
F	P-3	BENJAMIN MOORE		HC-77	ALEXANDRIA BEIGE		MATCHES WALLCOVERING WC-3
	P-4	SHERWIN WILLIAMS		SW7073	NETWORK GRAY		MISC. WALLS, BACK OF HOUSE, STORAGE, ETC. (200 SERIES PAINT IN PREP AREAS)
	P-5	BENJAMIN MOORE		READY MIX	BLACK		
	P-6	BENJAMIN MOORE		1075	FAIRWAY OAKS		
	P-7	BENJAMIN MOORE		1117	GUEST HOUSE		ACCENT PANEL TRIMS IN THEATERS
	P-8	BENJAMIN MOORE		SW6363	GINGERY		CONCESSION WALLS
	P-9	SHERWIN WILLIAMS		SW7036	ACCESSIBLE BEIGE		DRY WALL CLG'S
	PLASTIC LAMINATE						
	LAM-1	FORMICA		#8848-58	BLACKENED LEGNO		
	LAM-2	FORMICA	PECAN WOOD	#5883-58, MATTE FINISH	PECAN WOODLINE		FRONTS OF CONCESSION MILLWORK
G	LAM-3	NUMETAL		#256	BRUSHED STAINLESS		ANDREA ANGERS 248-302-1355
	LAM-4	FORMICA		#929-58, MATTE FINISH	OYSTER GRAY		KICKS
	LAM-5	FORMICA		#909-58, MATTE FINISH	BLACK		KICKS
	LAM-6	FORMICA		#8846-58, MATTE FINISH	OILED LEGNO		
	LAM-7	FORMICA		#5887-58, MATTE FINISH	MILLENNIUM OAK		
	LAM-8	NEVAMAR		FS6001T	RUSH (EBONY)		
	QUARRY TILE						
	QT-1	AMERICAN OLEAN	QUARRY NATURALS		SHADOW GRAY - N46 W/ #11 SAHARA BEIGE TO MATCH, GT-7	1/2" x 6 'x 6"	TRIMS & WALL BASE TO MATCH. VIRGINIA TILE-TROY 248-649-4422 ROSANN OR MAUREEN
	RESILIENT BASE						
	B-1	JOHNSONITE	.080 VINYL WALL BASE, COVED		#28 MEDIUM GREY	6" HIGH	JOHNSONITE, 1-800-899-8916
H	SOLID SURFACE						
	SS-1	CORIAN	PRIVATE COLLECTIONS		THYME		PURSE SHELF, TROUGH SINKS & TOILET PARTITIONS. LOCALLY FROM H.J. OLDENKAMP CO..
	VINYL COMPOSITION TILE						
	VCT-1	MANNINGTON COMMERCIAL	ESSENTIALS SERIES		STONE GRAY #102	12"x12"x1/8"	RADIO DISTRIBUTORS 1-800-462-1544
	VINYL FLOORING						
	VF-1	CONGOLEUM	ENDURANCE PLANK	EK-14-6-36" LONG	DRIFTWOOD	6" PLANKS	RUN IN DIRECTION OF TIER, PROVIDE MATCHING VINYL REDUCER AT TIER NOSING
	VF-2	MOHAWK GROUP	SELECT STEP - WOOD #C0007	#P006S	DOVETAIL GRAY	7.25" x 48"	ALTERNATE TO VF-1. REP: MARNI BROWN, 517-719-0800, MARNI_BROWN@MOHAWKIND.COM
	VINYL WALLCOVERING						
	VWC-1	MDC WALLCOVERING	ALDERWOOD	Y46719AW	GOLD BAR	54" WIDE, 20 OZ.	STEPHANIE TROSHYNSKI 586-764-8985
	VWC-2	MDC WALLCOVERING	ALDERWOOD	Y46722AW	BLACK PEARL	54" WIDE, 20 OZ.	STEPHANIE TROSHYNSKI 586-764-8985
I	VWC-3	MDC WALLCOVERING	ALDERWOOD	Y46718AW	GLEAM	54" WIDE, 20 OZ.	STEPHANIE TROSHYNSKI 586-764-8985
	VWC-4	MDC WALLCOVERING	GENON MOLTEN	W2-MT-07	CHARRED	54" WIDE, 20 OZ.	STEPHANIE TROSHYNSKI 586-764-8985
	VWC-5	MDC WALLCOVERING	GENON MOLTEN	W2-MT-06	TORCHED	54" WIDE, 20 OZ.	STEPHANIE TROSHYNSKI 586-764-8985
	VWC-6	MDC WALLCOVERING	GENON MOLTEN	W2-MT-04	SMOLDERING SILVER	54" WIDE, 20 OZ.	STEPHANIE TROSHYNSKI 586-764-8985
	WOOD PANELS						
	WPS-1	FASHION ARCHITECTURAL DESIGNS	FASHION STACKED WOOD "SATINE"	PRINCE EDWARD #FAD 1105	WALNUT	3.5"H x 53.5"L PANELS	CORNERS TO BE MITRED. BASE MATERIAL TO BE LAM-6. REP: ANDEA ANGERS 248-302-1355

GENERAL FINISH FLOOR PLAN NOTES

- STANDARD PAINT FINISH ON GYPSUM BOARD TO BE MINIMUM (1) PRIMER COAT (NOT FINISH COLOR) & MINIMUM (2) FINISH COATS OF FINAL DESIRED COLOR OF INTERIOR LATEX (EGGSHELL FINISH). EQUAL TO SHERWIN WILLIAMS CASHMERE & COLOR ACCENTS PAINT QUALITY. CONTRACTOR TO SUBMIT DRAW CARDS FOR VERIFICATION OF COLOR MATCH TO DESIGNER.
- ALL INTERIOR EXPOSED ITEMS AND SURFACES THROUGHOUT PROJECT ARE TO BE PAINTED. EXCEPT WHERE A SURFACE MATERIAL IS SPECIFICALLY INDICATED NOT TO BE PAINTED, IS PREFINISHED, OR IS TO REMAIN NATURAL.
- ALL SOLID AND VENEER WOOD SHALL BE FINISHED WITH FINAL FINISH COAT OF MINWAX POLYACRYLIC SEMI-GLOSS FINISH. SUBMIT SAMPLES OF ALL WOOD AND VENEER COMPONENTS.
- WRAP ALL VINYL WALL COVERING AROUND OUTSIDE CORNERS. NO SEAMS SHOULD BE LOCATED AT OUTSIDE CORNERS.
- PROVIDE LATEX SKIM COAT ON WALL SURFACE AT EXISTING WALL LOCATIONS TO PROVIDE SMOOTH SURFACE PREP FOR NEW FINISH RE-TREATMENT.
- ALL GYPSUM BOARD BULKHEADS TO BE PAINTED CEILING WHITE, UNLESS OTHERWISE NOTED ON REFLECTED CEILING PLAN.
- PROVIDE TRANSITION STRIPS AT ALL FLOORING MATERIAL CHANGES (CENTERLINE OF DOOR OPENING) UNLESS OTHERWISE NOTED. SEE SHEET A621 FOR DETAILS.
- SEE SHEET A620 FOR FINISH FLOOR PLAN.
- SEE SHEETS A600-A606 FOR INTERIOR ELEVATIONS AND SPECIFIC FINISH LOCATIONS.
- ALL AUDITORIUM STEEL PIPE HANDRAILS AND GUARDRAILS TO BE PAINTED P-.
- PROVIDE CRACK ISOLATION MEMBRANE AS REQUIRED AT ALL TILE INSTALLATIONS. CONTRACTOR TO COORDINATE WITH DESIGNER.
- THERE SHALL NOT BE PAINT CONDITIONS THAT OCCUR CAUSING FINISH OR COLOR TO CHANGE ON AN OUTSIDE CORNER UNLESS OTHERWISE NOTED. IF THIS CONDITION OCCURS BRING THIS TO THE DESIGNERS ATTENTION IMMEDIATELY.
- REFER TO PROJECT MANUAL FOR SPECIFICATIONS FOR SEALED CONCRETE (SC) AND HARDENER/SEALER OR HARDENER SEALED CONCRETE (HSC).
- GYPSUM BOARD TO RECEIVE A LEVEL FIVE (5) FINISH IN AREAS TO RECEIVE A DARK COLOR PAINT.
- ALL INTERIOR DOORS SCHEDULED TO BE PAINTED SHALL BE SEMI-GLOSS FINISH.
- ALL HVAC VENTS, GRILLES, TRIMS & ETC. TO BE PAINTED TO MATCH THE WALL/CEILING THEY ARE LOCATED ON.
- PATTEN NAME, COLOR AND NUMBER FOR EACH MATERIAL ARE GIVEN WHEREVER POSSIBLE ON THE FINISH PLAN. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO BRING ANY DISCREPANCIES TO THE ATTENTION OF THE ARCHITECT/DESIGNER SO THAT THE CORRECT MATERIAL IS INSTALLED.
- AUDITORIUM TIER NOSINGS @ VINYL FLOORING TO RECEIVE VINYL NOSING EQUAL TO ROPPE #203, COLOR: .
- PROVIDE SAFETY STAIR NOSING AT ALL AUDITORIUM STEPS. PROVIDE CONTRASTING STRIPE.
- PROVIDE CONTROL JOINTS IN RUNS OF GYP. BD. GREATER THAN 30 FEET IN LENGTH. SEE DETAIL 7D/A651. COORDINATE LOCATION WITH DESIGNER PRIOR TO INSTALLATION FOR COMPLIANCE WITH DESIGN INTENT.
- EXISTING WOOD VENEER DOORS & HARDWARE TO REMAIN - REPAIR/TOUCH-UP. THESE DOORS ARE RESTROOMS, EXIT DOORS, AND SOME BACK OF HOUSE. PAINT FRAMES TO MATCH ADJACENT WALLCOVERING AS NOTED.
- EXISTING THEATRE SINGLE OR DOUBLE SET OF WOOD VENEER DOORS & HARDWARE TO REMAIN, TOUCH-UP & REPAIR. GLASS PANELS IN DOORS ARE TO BE REMOVED & REPLACED W. NEW "EMAGINE" LOGO PANELS. PAINT FRAMES TO MATCH ADJACENT WALLCOVERING AS NOTED.
- NON VENEER DOORS AND FRAMES ON VWC-2 TO BE PAINTED P-2.
- NON VENEER DOORS AND FRAMES ON VWC-3 TO BE PAINTED P-3.
- NON VENEER DOORS AND FRAMES ON VWC-1 TO BE PAINTED P-1.
- DOORS AND FRAMES ON FABRIC F-2 TO BE PAINTED P-5 (BLACK).
- DOORS AND FRAMES ON P-4 (NETWORK GREY) TO BE PAINTED THE SAME (P-4).
- DOORS AND FRAMES ON P-6 TO BE PAINTED THE SAME (P-6).
- DOORS AND FRAMES ON CT-5 TO BE PAINTED P-6.
- WPS COLUMNS ARE TO HAVE LAM. #6 BASE
- SEE SHEET A800 FOR FURNITURE FABRICS IN DINING AND BAR AREAS.



www.studio3design.net
Phone: (317) 595.1000
Fax: (317) 572.1236
8604 Allisonville Road, Suite 330
Indianapolis, IN 46250

MECHANICAL - PLUMBING - ELECTRICAL
CONSULTING ENGINEER:



400 S. Old Woodward, Suite 100
Birmingham, MI 48009
P 248-258-1610 F 248-258-9538

Imagine Entertainment
EMAGINE PALLADIUM
SCREENING ROOMS
250 N. Old Woodward Avenue
Birmingham, MI 48009

PROJECT NUMBER:

17091

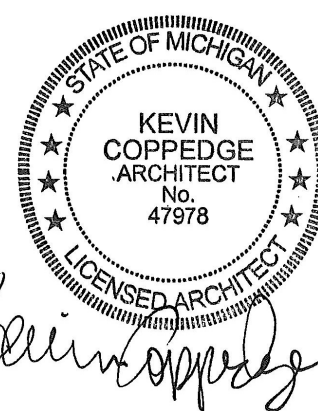
DATE:

12-12-2017

Revision Schedule

Revision Number	Revision Date	Revision Description
-----------------	---------------	----------------------

CERTIFICATION:



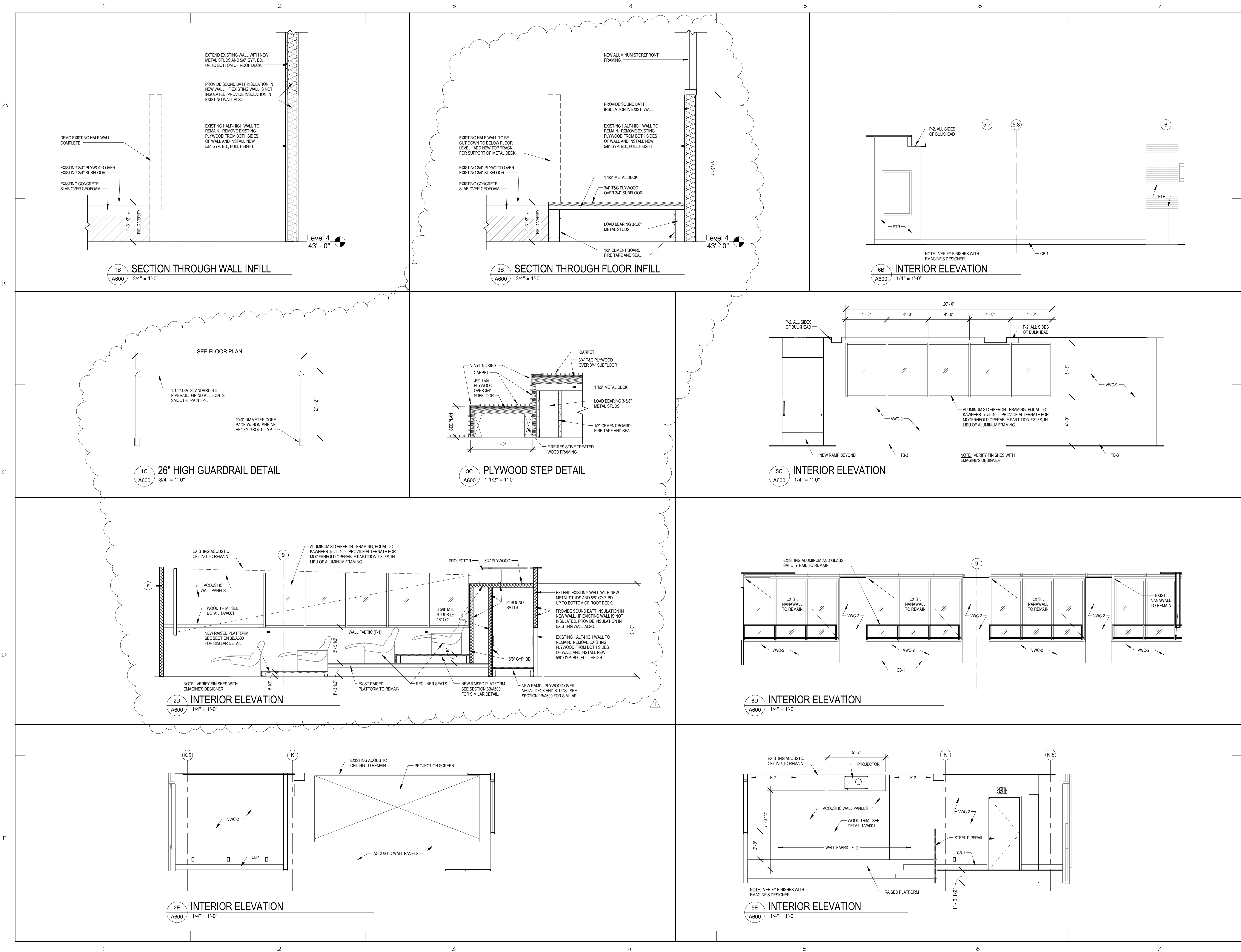
SHEET DESCRIPTION:


FINISH LEGEND & MATERIAL
LIST

SHEET NUMBER:

A130


THIS DRAWINGS IS THE PROPERTY
OF STUDIO 3 DESIGN, INC. ALL
RIGHTS RESERVED





**STUDIO
THREE
DESIGN**
Architecture • Interior Design

www.studio3design.net
Phone: (317) 595.1000
Fax: (317) 572.1236
8604 Allisonville Road, Suite 330
Indianapolis, IN 46250



MAENGINEERING
MECHANICAL/ELECTRICAL

400 S. Old Woodward, Suite 100
Birmingham, MI 48009
P 248-258-1610 F 248-258-9538

MECHANICAL - PLUMBING - ELECTRICAL
CONSULTING ENGINEER:

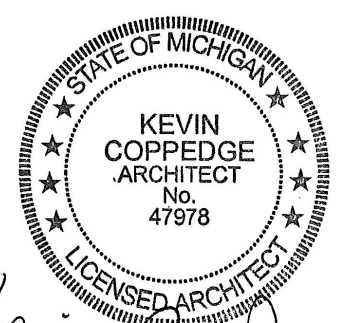
Imagine Entertainment
EMAGINE PALLADIUM
SCREENING ROOMS
250 N. Old Woodward Avenue
Birmingham, MI 48009

PROJECT NUMBER:
17091

DATE:
12-12-2017

Revision Schedule		
Revision Number	Revision Date	Revision Description
1	02-03-2018	SCREENING RM. #2 TAKEN OUT OF SCOPE. ITEMS ADDED TO SCREENING RM. #1

CERTIFICATION:



Kevin Coppedge

SHEET DESCRIPTION:
INTERIOR ELEVATIONS & DETAILS

SHEET NUMBER:
A600

THIS DRAWINGS IS THE PROPERTY
OF STUDIO 3 DESIGN, INC. ALL
RIGHTS RESERVED







WEST ELEVATION

SCALE: 3/32" = 1'-0"

	FACADE SQFT	GLAZING SQFT	TOTAL %
1ST FLR	779.333	639.34	0.8204 = 82.04%
2ND-5TH FLR	7,928.02	2,212.23	0.279 = 27.9%

EXISTING WINDOWS
 NEW WINDOWS



ELEVATIONS



SOUTH ELEVATION

SCALE: 3/32" = 1'-0"

	FACADE SQFT	GLAZING SQFT	TOTAL %
1ST FLR	1,150.55	932.64	0.8106 = 81.06%
2ND-5TH FLR	10,587.28	3,703.3	0.3498 = 34.98%

EXISTING WINDOWS
 NEW WINDOWS



EXISTING CONDITIONS PHOTOS

PALLADIUM
 BIRMINGHAM, MICHIGAN
 A.F. JONNA
 DEVELOPMENT & MANAGEMENT CO.

JPR ARCHITECTS
 30200 West Lakeside Blvd. Suite 100
 Farmington Hills, MI 48331
 248.372.5161
 www.jprarchitects.com



EAST ELEVATION

SCALE: 3/32" = 1'-0"

	1ST FLR	2ND-5TH FLR	FAÇADE SQFT	GLAZING SQFT	TOTAL %
			779.333	639.34	0.8204 = 82.04%
			10,571.63	2,513.68	0.2378 = 23.78%

EXISTING WINDOWS
 NEW WINDOWS

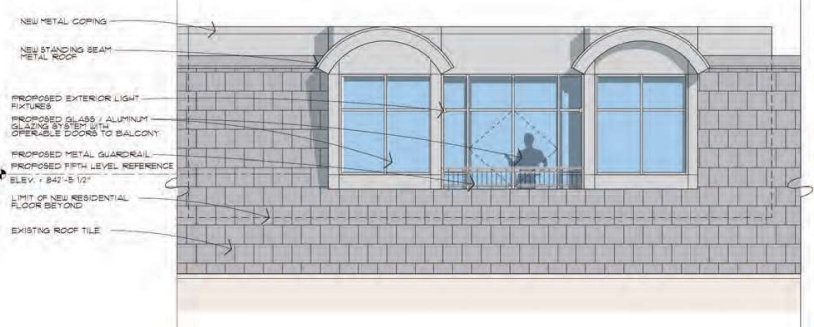
**Downtown Birmingham Overlay District:
 Article 03**

A-3. D4 Zone (four or five stories)

E-1. At least 90% of the exterior finish material on all facades that face a street shall be limited to the following: glass, brick, cut stone, cast stone, coarsely textured stucco, or wood. Dryvit or EPS is prohibited.

E-4. Storefronts shall be directly accessible from public sidewalks. Each storefront must have transparent or - eas, equal to 70% of its portion of the facade, between one and eight feet from the ground. The wood or metal structure (structural elements to support canopies or signage) of such storefronts shall be painted, bronze, or powder-coated.

E-6. The glazed area of a facade above the first floor shall not exceed 35% of the total area, with each facade being calculated independently.

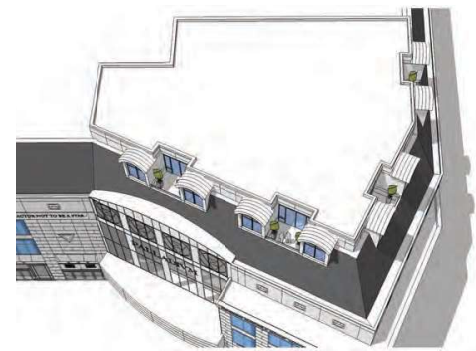


1 BALCONY DETAIL

SCALE: 1/4" = 1'-0"



CONCEPT PERSPECTIVES



EXISTING CONDITIONS PHOTOS

ELEVATIONS



PALLADIUM
 BIRMINGHAM, MICHIGAN
 A.F. JONNA
 DEVELOPMENT & MANAGEMENT CO.

JPRA ARCHITECTS
 30200 West Lakeside Road, Suite 100
 Farmington Hills, MI 48331
 Tel: 248.372.5461
 www.jp architects.com



MEMORANDUM

Planning Division

DATE: April 12th, 2018

TO: Jana Ecker, Planning Director

FROM: Nicholas Dupuis, Planning Intern

SUBJECT: **209 Hamilton Row /250 N. Old Woodward – Palladium Special Land Use Permit and Final Site Plan**

The 0.84 acre subject site, 250 N. Old Woodward, is located at the corner of N. Old Woodward and Hamilton Row in the Downtown Overlay. The applicant is seeking a Special Land Use Permit Amendment to remove a portion of the dining area (formerly 4-Story Burger) and install a 35 seat private viewing theater. There will be no changes made to the exterior of the building, and the building's signage will remain unchanged. The applicant has also advised that food and alcoholic beverage will be sold and consumed in the same manner as exists currently.

1.0 Land Use and Zoning

- 1.1 Existing Land Use – The land use at this parcel is commercial.
- 1.2 Zoning – The parcel is zoned B-4, Business Residential
- 1.3 Summary of Adjacent Land Use and Zoning - The following chart summarizes existing land use and zoning adjacent to and/or in the vicinity of the subject site, including the proposed 2016 Regulating Plan zones.

	North	South	East	West
Existing Land Use	Commercial	Commercial	Commercial	Commercial
Existing Zoning District	B-4, Business Residential	B-4, Business Residential	B-4, Business Residential	B-4, Business Residential

Downtown Overlay Zoning District	D-4	D-4	D-4	D-4
---	-----	-----	-----	-----

2.0 Setback and Height Requirements

Please see attached zoning compliance summary sheet for detailed setback and height requirements.

3.0 Screening and Landscaping

- 3.1 Dumpster Screening – No changes proposed.
- 3.2 Parking Lot Screening – No changes proposed.
- 3.3 Mechanical Equipment Screening – No changes proposed.
- 3.4 Landscaping – No changes proposed.
- 3.5 Streetscape – No changes proposed.

4.0 Parking, Loading and Circulation

- 4.1 Parking – No changes proposed.
- 4.2 Loading – No changes proposed.
- 4.3 Vehicular Circulation and Access – No changes proposed.
- 4.4 Pedestrian Circulation and Access – No changes proposed.

5.0 Lighting

The applicant is not proposing any changes to the lighting of the property.

6.0 Departmental Reports

- 6.1 Engineering Division – The Engineering Department has no concerns at this time.
- 6.2 Department of Public Services –
- 6.3 Fire Department – The Fire Department has provided the following comments:

Based off the dimensions on the supplied plans, it appears the 35 seat screening room will need to incorporate a second egress door. Per the International Fire Code (IFC) 2015 Edition, section 1006.2.1, table 1006.2.1, and section 1029.8, the plans as shown, seem to exceed the common path of egress travel.

6.4 Police Department – The Police Department has no concerns at this time.

6.5 Building Division –

7.0 Design Review

According to Article 7, Section 7.08 of the Zoning Ordinance, a design review is not required for the property, as no alteration or painting of the exterior of any building and/or the addition of any lighting, signs, equipment or other structures which substantially alter the exterior appearance is proposed at this time.

8.0 Approval Criteria

In accordance with Article 7, section 7.27 of the Zoning Ordinance, the proposed plans for development must meet the following conditions:

- (1) The location, size and height of the building, walls and fences shall be such that there is adequate landscaped open space so as to provide light, air and access to the persons occupying the structure.
- (2) The location, size and height of the building, walls and fences shall be such that there will be no interference with adequate light, air and access to adjacent lands and buildings.
- (3) The location, size and height of the building, walls and fences shall be such that they will not hinder the reasonable development of adjoining property nor diminish the value thereof.
- (4) The site plan, and its relation to streets, driveways and sidewalks, shall be such as to not interfere with or be hazardous to vehicular and pedestrian traffic.
- (5) The proposed development will be compatible with other uses and buildings in the neighborhood and will not be contrary to the spirit and purpose of this chapter.
- (6) The location, shape and size of required landscaped open space is such as to provide adequate open space for the benefit of the inhabitants of the building and the surrounding neighborhood.

9.0 Recommendation

Based on a review of the site plan submitted, the Planning Division finds that the proposed Final Site Plan meets the requirements of Article 7, section 7.27 of the Zoning Ordinance and recommends that the Planning Board recommend APPROVAL of the Final Site Plan and Special Land Use Permit Amendment for 250 N. Old Woodward – Palladium with the condition that a second egress door be added as requested by the Fire Department.

10.0 Sample Motion Language

Motion to recommend APPROVAL of the Final Site Plan and Special Land Use Permit Amendment for 250 N. Old Woodward – Palladium with the following condition;

1. Comply with the requests of all City Departments

OR

Motion to recommend POSTPONEMENT of the Final Site Plan and Special Land Use Permit Amendment to the City Commission for 250 N. Old Woodward – Palladium – for the following reasons:

1. _____
2. _____
3. _____

OR

Motion to recommend the DENIAL of the Final Site Plan and Special Land Use Permit Amendment to the City Commission for 250 N. Old Woodward – Palladium – for the following reasons:

1. _____
2. _____
3. _____

**CITY OF BIRMINGHAM
REGULAR MEETING OF THE PLANNING BOARD
WEDNESDAY, APRIL 25, 2018
City Commission Room
151 Martin Street, Birmingham, Michigan**

Minutes of the regular meeting of the City of Birmingham Planning Board held on April 25, 2018. Chairman Scott Clein convened the meeting at 7:30 p.m.

Present: Chairman Scott Clein; Board Members Robin Boyle, Stuart Jeffares, Bert Koseck, Daniel Share, Bryan Williams; Alternate Board Member Nasseen Ramin; Student Representatives Madison Dominato (left at 9:10 p.m.), Sam Fogel (left at 9:05 p.m.)

Absent: Board Member Janelle Whipple-Boyce; Student Representative Ellie McElroy

Administration: Matthew Baka, Sr. Planner
Jana Ecker, Planning Director
Carole Salutes, Recording Secretary

04-70-18

**2. 209 Hamilton Row / 250 N. Old Woodward Emagine Theater Palladium Bldg.
Request for a Special Land Use Permit ("SLUP") Amendment and Final Site Plan
Review for closure of Four-Story Burger and installation of a private viewing
theater room**

Mr. Baka explained the 0.84 acre subject site, 209 Hamilton Row / 250 N. Old Woodward, is located at the corner of N. Old Woodward Ave. and Hamilton Row in the Downtown Overlay. The applicant is seeking a SLUP Amendment to remove a portion of the dining area (formerly Four-Story Burger) and install a 35 seat private viewing theater. There will be no changes made to the exterior of the building, and the building's signage will remain unchanged. The applicant has also advised that food and alcoholic beverages will be sold and consumed in the same manner that exists currently.

Design Review

According to Article 7, Section 7.08 of the Zoning Ordinance, a Design Review is not required for the property, as no alteration or painting which substantially alters the exterior appearance is proposed at this time.

Mr. Patrick Howe, Attorney for the applicant, 209 Hamilton Row / 250 N. Old Woodward, was present along with Mr. Jordan Jonna, the building owner representative. Mr. Howe said they are looking to convert a portion of the former Four-Story Burger, which has closed, into a private screening room that will be open to the public for showings. It will be the sixth screen in the theater. It will also be available for rent for private functions, presentations, birthday parties, etc. There will be 24 or 35 seats and a small lounge. The occupancy of the space has been reduced to 98 and will hopefully add some vitality to this area of the theater.

Mr. Jordan Jonna, A.F. Jonna Development, answered Mr. Jeffares by estimating there is about 8 to 10 ft. from the bar to the outside wall. He noted that innovation with entertainment is what they have to accomplish today. Further, he explained for Mr. Koseck that the lounge area will be a pre-function space for the private screening room.

Chairman Clein suggested that the applicant clean up the plan as to what is being requested so as not to cause any confusion for the City Commission.

Motion by Mr. Boyle

Seconded by Mr. Jeffares to recommend APPROVAL of the Final Site Plan and SLUP Amendment for 209 Hamilton Row / 250 N. Old Woodward, Palladium Bldg.

There were no public comments on the motion at 9:30 p.m.

Motion carried, 7-0.

VOICE VOTE

Yeas: Boyle, Jeffares, Clein, Koseck, Ramin, Share, Williams

Nays: None

Absent: Whipple-Boyce



Concession Favorites

Small Popcorn	\$6	Milk Duds	\$4
Medium Popcorn	\$7	Buncha Crunch	\$4
Large Popcorn	\$8	Snickers Bites	\$4
upgrade any size popcorn to caramel corn, cheddar corn or Poppin’ Olive - \$1			
Small Drink	\$5	Butterfinger Bites	\$4
Medium Drink	\$5.50	Sour Patch Kids	\$4.50
Large Drink	\$6	Skittles	\$4.50
Cotton Candy	\$4	M&M’s Plain	\$4.50
Raisinets	\$4	M&M’s Peanut	\$4.50
Goobers	\$4	Reese’s Pieces	\$4.50
Kit-Kat	\$4	Mike & Ike	\$4.50
Junior Mints	\$4	Welch’s	
		Fruit Snacks	\$4.50
		Swedish Fish	\$4.50



Starters

Edamame	\$6	Chicken, Bacon & Jalapeno Quesadilla	\$10
fresh, steamed edamame topped with salt. served with soy sauce			
Chicken Wings	\$10		
1 lb. of chicken wings tossed in your choice of buffalo, bbq or thai-chili sauce. served with ranch and celery			
Mozzarella Sticks	\$10	Nachos	\$12
crispy, beer-battered cheese sticks. served with marinara sauce			
Bosco Sticks	\$6	Sharable Dips	
soft breadsticks stuffed with mozzarella cheese. served with marinara sauce			
Pretzel Bites	\$8.75	spinach & artichoke	\$5
		warm queso	\$3.50
		guacamole	\$5
		fire-roasted salsa	\$3.50

Baskets

served with french fries
(substitute for onion rings or salad - \$1)

Popcorn Shrimp	\$12	Chicken Tenders	\$10
crispy, fried shrimp with cocktail sauce and lemon. served with coleslaw and fries			
Fish & Chips	\$12		
crispy, fried cod with tartar sauce and lemon. served with coleslaw and fries			

Sliders

served with french fries
(substitute for onion rings or salad - \$1)

Cheeseburger Sliders (3)	\$10	Reuben Sliders (3)	\$10
angus beef, cheddar cheese, butter-glazed onions and pickle			
Cowboy Burger Sliders (3)	\$12	Chicken & Waffle Sliders (2)	\$12
angus beef, cheddar cheese, bbq sauce, onion ring, pickle and mayo			
BBQ Sliders (3)	\$10	Veggie Burger Sliders (3)	\$10
roasted pulled pork with bbq sauce and coleslaw			
Turkey Burger Sliders (3)	\$10		
ground turkey patty, swiss cheese, guacamole and honey mustard			

Wraps

served with french fries
(substitute for onion rings or salad - \$1)

Shrimp Caesar Wrap	\$12	Buffalo Chicken Wrap	\$10
fried shrimp, romaine lettuce, caesar dressing, shaved parmesan, flour tortilla			
Chicken Caesar Wrap	\$10	BLT-G Wrap	\$10
grilled chicken, romaine lettuce, caesar dressing, shaved parmesan, flour tortilla			

Salads

add popcorn shrimp - \$4
add chicken - \$4

Mixed Greens	\$7	Caesar Salad	\$7
mixed greens, carrots, tomato, cucumber, red onion, crispy pita chips and choice of dressing: ranch, blue cheese, honey mustard or italian			
romaine lettuce, shaved parmesan, crispy pita chips and caesar dressing			

Pizza

10” personal pizza

Cheese	\$10.50	Buffalo Chicken	\$12.75
classic red sauce and mozzarella cheese			
Pepperoni	\$10.50	Big Kahuna	\$12.75
classic red sauce, pepperoni and mozzarella cheese			
bbq sauce, grilled chicken, bacon, red onion, jalapeno and mozzarella cheese			
BBQ Chicken	\$12.75		

Sides

French Fries	\$3	Mixed Greens	\$4
Onion Rings	\$4	Caesar Salad	\$4
Coleslaw	\$2		



Ask about menu items that are cooked to order. Consuming undercooked meats or eggs could increase your risk of foodborne illness.

Cocktails

Long Island Iced Tea	\$10	Patriot Punch	\$11
rum, gin, vodka, tequila, triple sec, sour mix and coca-cola		tito's, pama liquer, lemonade and sprite	
Devil's Delight	\$10	Sex on the Beach	\$10
vodka, coconut rum, peach schnapps, pineapple juice, cranberry juice and grenadine		vodka, midori, peach schnapps, cranberry juice and pineapple juice	
Blue Motorcycle	\$11	Tequila Sunrise	\$8
rum, gin, vodka, tequila, blue curacao, sour mix and sprite		tequila, orange juice and grenadine	
Big Bahama Mama	\$12.25	Strawberry Daquiri	
rum, coconut rum, bacardi gold, bacardi limon, pineapple juice, orange juice and grenadine		frozen blend of rum and our signature strawberry mix	
		16 oz. \$9 24 oz. \$12	
Top Shelf Long Island	\$15.75	Blue Margarita	
bacardi, tito's, tanqueray, cointreau, jose cuervo, sour mix and coke		frozen blend of tequila, triple sec and our signature margarita mix with blue curacao	
		16 oz. \$9 24 oz. \$12	

Beers

	24 oz.	32 oz.
Bell's Two-Hearted Ale	\$10.50	\$12.50
Bell's Best Brown Ale	\$10.50	\$12.50
Founder's All Day IPA	\$10.50	\$12.50
Sam Adams Seasonal	\$10.50	\$12.50
Blue Moon	\$10.50	\$12.50
Stella Artois	\$10.50	\$12.50
Angry Orchard	\$8.50	\$10.50
Miller Lite	\$7.50	\$9.50

Wines

	8 oz.	14 oz.
Liberty Creek Chardonnay	\$8.00	\$12.00
Liberty Creek Pinot Grigio	\$8.00	\$12.00
Liberty Creek White Zinfandel	\$8.00	\$12.00
Liberty Creek Cabernet	\$8.00	\$12.00
Liberty Creek Merlot	\$8.00	\$12.00
Cupcake Sauvignon Blanc	\$11.00	\$16.00
Grand Traverse Riesling	\$13.00	\$18.00

Welcome to Dine & View,
Emagine's premier dine-in
theatre experience.

ORDERING

Emagine Dine & View is a full service restaurant experience directly from your theatre seat. We recommend that guests arrive at least 30 mins before showtime to order food.

REQUESTING SERVICE

Use your server indicator light to request service. Your server will arrive shortly after to allow you to place an order, provide refills, etc. Please be aware that Dine & View staff will be serving other guests throughout the film.

PAYMENT

A server will deliver your bill along with your order. A 15% service charge will be added to your order. Prompt payment will complete your transaction.

Thank you for joining us.



A full service restaurant experience
directly from your movie theatre seat.





Jana Ecker <jecker@bhamgov.org>

RE: DRAFT Emagine Palladium SLUP Amendment

1 message

J. Patrick Howe <jphowe@jphowe.com>

Fri, Apr 13, 2018 at 3:01 PM

To: Jana Ecker <jecker@bhamgov.org>

Cc: Nicholas Dupuis <ndupuis@bhamgov.org>, Anthony LaVerde <ajl@303mgt.com>

Hi Jana,

Attached is a PDF copy of the application we filed with the City. I have also attached separate PDFs of the floor plan, site plan and elevation drawing that are included in the application.

Here is a link to the menu:

<http://s3.amazonaws.com/assets.emagine-entertainment.com/app/uploads/2017/08/DineNView-FINAL-legal.pdf>

Here is a video describing the screening room that is being proposed:

<http://www.emagine-entertainment.com/the-screening-room/>

Photos of the proposed screening room are also attached.

Let me know if you need anything else.

Thanks,

Pat

**J. Patrick Howe****Attorney & Counselor at Law**

280 N. Old Woodward, Suite 12

Birmingham, Michigan 48009

O. 248.385.3112

C. 248.835.2068

F. 888.450.1682

jphowe@jphowe.com

www.jphowe.com

NOTICE: Information contained in this transmission to the named addressee is proprietary information and is subject to attorney-client privilege and work product confidentiality. If the recipient of this transmission is not the named addressee, the recipient should immediately notify the sender at (248) 385-3112, and destroy the information transmitted without making any copy or distribution thereof.

NOTICE: To ensure compliance with requirements imposed by the IRS, we inform you that any U.S. tax advice contained in this communication (including any attachments) is not intended or written to be used, and cannot be used, for the purpose of (a) avoiding penalties under the Internal Revenue Code; or (b) promoting, marketing or recommending to another party any transaction or tax-related matter addressed herein.

From: Jana Ecker <jecker@bhamgov.org>
Sent: Friday, April 13, 2018 10:50 AM
To: J. Patrick Howe <jphowe@jphowe.com>
Cc: Nicholas Dupuis <ndupuis@bhamgov.org>
Subject: Re: DRAFT Emagine Palladium SLUP Amendment

Good morning,

Can you please send me digital copies of the final version of the application and plans? If there were no changes since the attached email, just let me know and I will use those instead.

Thanks,

Jana

On Thu, Mar 1, 2018 at 10:06 PM, J. Patrick Howe <jphowe@jphowe.com> wrote:

Hi Jana,

I hope all is well. As discussed, I am preparing to file an amendment to the Emagine Palladium's SLUP to allow for the restaurant dining area to be renovated to create a private screening room. I have prepared the SLUP application with very basic information, and have also attached the existing site plan, floor plan showing proposed renovations, and food menu for the theater. I want to review this draft application packet with you before I send it out for signature and submit it. Given all of the confusion last year with the name change, I want to make sure that we provide everything that you need to process this on the front end. I will certainly submit a cover letter with the application outlining the nature of the request, and providing more details with respect to the private screening room.

Please let me know if any additional information needs to be added to the application, or if you think we are ok to submit this draft.

Thanks for your help. I look forward to hearing from you.

Pat



J. Patrick Howe

Attorney & Counselor at Law

280 N. Old Woodward, Suite 12

Birmingham, Michigan 48009

O. 248.385.3112

C. 248.835.2068

F. 888.450.1682

jphowe@jphowe.com

www.jphowe.com

NOTICE: Information contained in this transmission to the named addressee is proprietary information and is subject to attorney-client privilege and work product confidentiality. If the recipient of this transmission is not the named addressee, the recipient should immediately notify the sender at (248) 385-3112, and destroy the information transmitted without making any copy or distribution thereof.

NOTICE: To ensure compliance with requirements imposed by the IRS, we inform you that any U.S. tax advice contained in this communication (including any attachments) is not intended or written to be used, and cannot be used, for the purpose of (a) avoiding penalties under the Internal Revenue Code; or (b) promoting, marketing or recommending to another party any transaction or tax-related matter addressed herein.

--

Jana L. Ecker

Planning Director

City of Birmingham

248-530-1841

----- Forwarded message -----

From: "J. Patrick Howe" <jphowe@jphowe.com>

To: "J. Patrick Howe" <jphowe@jphowe.com>

Cc:

Bcc:

Date: Fri, 13 Apr 2018 18:58:34 +0000

Subject: Emagine Screening Room Photos



J. Patrick Howe

Attorney & Counselor at Law

4/16/2018

City of Birmingham MI Mail - RE: DRAFT Emagine Palladium SLUP Amendment

280 N. Old Woodward, Suite 12

Birmingham, Michigan 48009

O. 248.385.3112

C. 248.835.2068

F. 888.450.1682

jphowe@jphowe.com

www.jphowe.com

NOTICE: Information contained in this transmission to the named addressee is proprietary information and is subject to attorney-client privilege and work product confidentiality. If the recipient of this transmission is not the named addressee, the recipient should immediately notify the sender at (248) 385-3112, and destroy the information transmitted without making any copy or distribution thereof.

NOTICE: To ensure compliance with requirements imposed by the IRS, we inform you that any U.S. tax advice contained in this communication (including any attachments) is not intended or written to be used, and cannot be used, for the purpose of (a) avoiding penalties under the Internal Revenue Code; or (b) promoting, marketing or recommending to another party any transaction or tax-related matter addressed herein.

From: Anthony LaVerde <ajl@303mgt.com>

Sent: Monday, March 05, 2018 12:17 PM

To: J. Patrick Howe <jphowe@jphowe.com>

Subject: RE: SLUP Amendment details






Pat –

Below are photos of the proposed screening room.





5 attachments

-  **Emagine Palladium - SLUP Amendment App (3.29.18).pdf**
3515K
-  **Palladium SitePlanApproval 6.9.14_(2) optimized.pdf**
7718K
-  **Palladium Screening Rooms_ARCH_PERMIT SET_02-05-18.pdf**
5301K
-  **H888-01_SITE.PDF**
186K
-  **noname.eml**
3001K



April 20, 2018

VIA E-MAIL ONLY

Ms. Jana L. Ecker
Planning Director
City of Birmingham
151 Martin Street
P.O. Box 300
Birmingham, MI 48012

Dear Ms. Ecker

RE: April 24, 2018 Planning Commission Meeting – SLUP Amendment Consideration

Further to our conversation this morning, I regret to tell you that I, along with our entire executive team, will be out of town next week attending our annual industry conference, Cinemacon. As such, Messrs. Jordan Jonna (owner of the Palladium building) and J. Patrick Howe (our attorney) will represent us before the Planning Commission meeting. They have the full and unfettered authority to do so.

Please be sure to inform the commissioners that our physical absence is no way intended to demonstrate indifference or any disrespect for the process. We simply need to keep the initiative at hand moving forward with all due haste, even in our absence.

Thank you.

Sincerely,

Paul A. Glantz
President – 303 Management, Inc.
Manager for CH Birmingham LLC d/b/a Emagine Palladium

Cc: Mr. Jordan Jonna
Mr. J. Patrick Howe
Mr. Jon Goldstein
Mr. Anthony LaVerde



MEMORANDUM

Engineering Dept.
Planning Dept.
Police Dept.

DATE: May 23, 2018

TO: Joseph A. Valentine, City Manager

FROM: Jana Ecker, Planning Director
Scott Grewe, Police Commander
Paul T. O'Meara, City Engineer

SUBJECT: S. Eton Rd. Temporary Striping – Maple Rd. to 14 Mile Rd.
Multi-Modal Transportation Board Recommendations

At the meeting of December 4, 2017, the City Commission discussed the recommendations from the Multi-Modal Transportation Board in detail. While supporting the majority of the recommendations, the City Commission endorsed staff's recommendation to attempt to secure outside funding for this work. Further, the Commission felt it was best to study traffic patterns again at Maple Rd. once the Whole Foods grocery store is operating for several months. With that in mind, the City Commission passed the following recommendation at their meeting:

To approve the recommendations of the Multi-Modal Transportation Board for S. Eton Rd. from Maple Rd. to 14 Mile Rd. for pedestrian and bicycle improvements throughout the corridor, as outlined below:

A. Maple Rd. to Yosemite Blvd.:

1. Relocate the west side curb for the entire block from its current location to a point three feet closer to the center of the road, thereby allowing the west side sidewalk to be rebuilt at 8 feet wide.
2. Install an enhanced, larger sidewalk ramp area at the southeast corner of Maple Rd.
3. Install sharrows in both directions on the existing travel lanes.

AND

B. Yosemite Blvd. to Villa Ave.:

1. Relocate the curbs on both sides of the street to create a two-lane street with 15 foot travel lanes. Parking shall be removed from both sides of the street.
2. Install a 4 ft. wide parkway between the sidewalks and the new curb, and install new street trees, at a spacing of 40 ft. each.
3. Install 6.5 to 8 ft. wide sidewalks on both sides of the street.
4. Install sharrows in both directions on the existing travel lanes.

AND

C. Villa Ave. to Lincoln Ave.:

1. Remove parking on the west side of the street, to be replaced with an 8.5 ft. wide bi-directional bike lane and a 1.5 ft. buffer with raised markers.
2. Install a 3 ft. wide painted buffer between the northbound travel lane and the parking lane (on the east side of the street).
3. Install curbed bumpouts at marked pedestrian crosswalks on the east side of the street, at the intersections of Villa Ave., Hazel St., Palmer Ct., Bowers St., Holland Ave., Webster Ave., Cole Ave., and Lincoln Ave.
4. Install green marked bicycle crossings on the western leg of the intersections of Villa Ave., Hazel St., Bowers St., Haynes St., Holland Ave., Webster Ave., Cole Ave., and Lincoln Ave.

AND

D. South of Lincoln Ave. to 14 Mile Rd.:

1. Install an 8 ft. wide on-street parking lane on the west side of the street, separated from traffic with a solid line, with 24-hour parking permitted;
2. Install a double yellow centerline for S. Eton Rd. to create two 10 ft. wide travel lanes (on the east side of the street) for vehicles;
3. Install an 8 ft. wide bi-directional bike lane 2 ft. from the back of curb on the west side of S. Eton Rd.;
4. Maintain a 2 ft. wide landscaped buffer between the on-street parking lane and the bike lane;
5. Install curb bumpouts and crosswalks at the intersections of Melton Rd., Humphrey Ave., Sheffield Rd., and Bradford Rd., as noted on the attached plan;
6. Install green marked bicycle crossings on the western leg of the intersections of Lincoln Ave., Melton Rd., Humphrey Ave., Sheffield Rd., and Bradford Rd., as noted on the attached plan.
7. The City shall assume responsibility for the maintenance of the 8 ft. bike lane.

AND

Further, to direct staff to apply for federal funding for these improvements through the Transportation Alternatives Program administered by the Michigan Dept. of Transportation, and report back to the Commission when status of the grant for the 2018 application has been determined.

AND

To proceed with a traffic study of the Maple Rd. intersection in the spring of 2018, with truck turning movements quantified, for further review by the Multi-Modal Transportation Board, and a final recommendation to the City Commission.

The estimated project cost to implement the proposed changes to the S. Eton Corridor is \$1,600,000. Staff did not apply for the Transportation Alternatives Program (TAP) grant this past March due to a lack of funds for a match. Staff will consider applying for a TAP grant in the future when funding is available to provide a local match. In the meantime, the Commission indicated that a lower cost test of whatever portions of the project can be set up and constructed sooner should be considered. The focus of the test is the subject of this memo. The various parts of the S. Eton Rd. corridor will be reviewed below with respect to the feasibility of a test.

The Multi-Modal Transportation Board considered temporary striping of S. Eton at their February 8, 2018 meeting. The Multi-Modal Transportation Board's recommendation to the Commission follows:

RECOMMENDATION:

WHEREAS, the City Commission has endorsed the majority of the Multi-Modal Transportation Board recommendations for S. Eton Rd. from Maple Rd. to 14 Mile Rd., and

WHEREAS, the City will be applying for a Transportation Alternatives Program (TAP) grant in the near future in an effort to obtain funding for this project, and

WHEREAS, the City Commission has directed staff to obtain additional truck and pedestrian traffic counts in the area of Maple Rd. and S. Eton in order to allow for further study of the recommended improvements at the Maple Rd. intersection,

THEREFORE, the Multi-Modal Transportation Board recommends that the City proceed with the installation of test features that will provide the majority of the transportation improvements being considered in a temporary mode, at a substantially reduced cost, as outlined below:

1. Installation of painted bumpouts with lane markers at each intersection, as well as pavement markings to improve each crosswalk in accordance with the recommended plan.
2. Installation of sharrows between Maple Rd. and Yosemite Blvd.
3. Removal of parking, and installation of buffered, marked bike lanes for northbound and southbound traffic between Yosemite Blvd. and Villa Rd.
4. Removal of parking on the west side of the street, to provide room for a marked, buffered, and separated two-way bike lane, as well as white lines demarcating the northbound parking lane between Villa Rd. and Lincoln Ave.
5. Installation of double yellow lines and white line to demarcate travel lanes from the southbound parking lane between Lincoln Ave. and 14 Mile Rd.

GENERAL

The recommended plan includes removing and replacing handicap ramps with enlarged sections to accommodate wider crosswalk paths throughout the job. The crosswalks would have 24-inch wide bars. Since most ramps are not currently constructed at the width called for with the City's new crosswalk design standards, the resulting pavement markings in the suggested "temporary" plan will not be quite as long as they would be under the permanent plan. Regarding the marking materials, staff decided to use paint for crosswalks during the test.

It is recommended that the City paint the areas where bumpouts could be installed in the future, to help motorists stay within the appropriate areas when turning. Paint is recommended for the temporary bumpouts as this marking will be removed when permanent improvements are made and concrete and curb extensions are added.

In order to further identify the proposed bumpouts, road edge markers could be installed. The road edge markers make street sweeping and snow plowing more difficult; however, edge markers also calm traffic and direct vehicles into the narrowed lanes.

MAPLE RD. TO YOSEMITE BLVD.

The City Commission's previous review of this segment did not result in a final direction to proceed. During the last discussion of this area, held in August of 2017, it was noted that the immediate area would soon change. Not only would the new Whole Foods grocery store potentially impact traffic in the area, but the traffic signal itself was being reconstructed and retimed. Since changes in pedestrian patterns are a part of this study, the Commission directed that new traffic counts, particularly with respect to truck turns and pedestrian activity, be obtained in the spring of 2018. This traffic and pedestrian analysis is currently under review. Once that data is received, the MMTB will review the new data, and determine if the proposal for a new island at the Maple Rd. intersection should proceed.

One of the main recommendations on this block is sidewalk expansion. While the curb line on the west side of S. Eton south of Maple could be painted in its new location and road edge markers added for the test period, staff does not recommend these temporary changes. Not only would the costs of the test increase, these changes would have limited impact on vehicular traffic without the installation of the traffic island at Maple, and the sidewalk in this area could not be widened during the test period, eliminating one of the main benefits of bumping out the curb line. The addition of sharrows on a green square background are the only changes recommended for the test on S. Eton between Maple and Yosemite.

YOSEMITE BLVD. TO VILLA RD.

For the purposes of the test, the following changes are suggested:

1. Remove on-street parking on the west side of the street, using NO PARKING signs.
2. Install a 5 ft. wide bike lane with two foot wide painted buffers, effectively narrowing the 18 ft. wide lanes to 11 ft. The bike lanes would be designated with sharrows at each end of the block.

3. Install painted bumpouts at the Villa Ave. intersection, as noted in the General section above.

VILLA RD. TO LINCOLN AVE.

For the purposes of the test, the following changes are suggested:

1. Remove all on-street parking on the west side of the street. Install all pavement markings, signs, and buffer markers as proposed on the permanent plan, allowing the bike lane improvement to fully function on this segment. (Due to the high cost of the green paint feature, staff is recommending that just the sections shown where the bike lanes cross an intersection should feature the green paint for the test period, which is reflected in the price below.)
2. Install a 2 ft. wide buffer lane for the northbound parking lane, helping reduce the appearance of a wide driving surface.
3. Install painted bumpouts at each intersection as noted in the General section above.

LINCOLN AVE. TO 14 MILE RD.

The off-road bike lane facility proposed on the recommended plan will not happen during the test period, due to cost. In order to "test" the parking lane feature of the proposed plan, the double yellow line as well as the white line for a southbound parking lane could be installed. The test would help the City monitor if the changes help reduce average speeds, as well as encourage on-street parking.

In addition to the above, the test should include the installation of the painted bumpouts to match the recommended plan at Melton, Humphrey, Sheffield and Bradford as noted in the General section above.

Based on the above recommendations, the following cost estimates are offered:

CATEGORY	ESTIMATED COST
Markings	\$32,700
Flexible Posts	\$5,200
Zebra Bumps and Signs	\$22,500
Contingency	\$14,600
TOTAL	\$75,000

While the above price is still substantial, it is less than 10% of the cost of all the permanent features plan recommended. The above proposal will provide the City Commission with improvements that test several features of the proposed plan. The two significant features left out of this test are:

1. Pedestrian island at Maple Rd. crosswalk.
2. Off-road bike path from Lincoln Ave. to 14 Mile Rd.

SUGGESTED RESOLUTION:

To accept the recommendation of the Multi-Modal Transportation Board, and direct staff to proceed with the installation of test features that will provide the majority of the transportation improvements being considered in a temporary mode, at a reduced cost, as outlined below:

1. Installation of painted bumpouts with lane markers at each intersection, as well as pavement markings to improve each crosswalk in accordance with the recommended plan.
2. Installation of sharrows between Maple Rd. and Yosemite Blvd.
3. Removal of parking, and installation of buffered, marked bike lanes for northbound and southbound traffic between Yosemite Blvd. and Villa Rd.
4. Removal of parking on the west side of the street, to provide room for a marked, buffered, and separated two-way bike lane, as well as white lines demarcating the northbound parking lane between Villa Rd. and Lincoln Ave.
5. Installation of double yellow lines and white line to demarcate travel lanes from the southbound parking lane between Lincoln Ave. and 14 Mile Rd.



MAIN OFFICE
 1965 Barrett Drive
 Troy, MI 48064-5372
 PHONE 248-362-2130
 FAX 248-362-4969

To: ESTIMATING DEPARTMENT	Contact: ESTIMATING DEPT.
Address: -	Phone: (248) 362-2130
	Fax: (248) 362-4969
Project Name: S. ETON TEMPORARY STRIPING	Bid Number: 18-0622
Project Location: BIRMINGHAM	Bid Date: 4/25/2018
Addendum #: REVISED 5/10/18	

Line #	Item #	Item Description	Estimated Quantity	Unit	Unit Price	Total Price
1		Pavt Mrkg, Waterborne, 4 inch, Yellow	8,325.00	LF	\$0.110	\$915.75
2		Pavt Mrkg, Waterborne, 4 Inch, White	10,072.00	LF	\$0.110	\$1,107.92
3		Pavt Mrkg, Longit, 6 inch or Less Width, Rem	500.00	LF	\$0.950	\$475.00
4		Rem Spec Mrkg	100.00	SF	\$2.950	\$295.00
5		Pavt Mrkg, Waterborne, 6 Inch, Crosswalk	108.00	LF	\$1.000	\$108.00
6		Pavt Mrkg, Waterborne, 12 Inch, Crosswalk	1,185.00	LF	\$2.000	\$2,370.00
7		Pavt Mrkg, Waterborne, 24 Inch, Stop Bar	155.00	LF	\$4.000	\$620.00
8		Pavt Mrkg, Waterborne, Lt Turn Arrow Sym	2.00	EACH	\$50.000	\$100.00
9		Pavt Mrkg, Waterborne, Only	4.00	EACH	\$50.000	\$200.00
10		Pavt Mrkg, Waterborne, Rt Turn Arrow Sym	2.00	EACH	\$50.000	\$100.00
11		Pavt Mrkg, Waterborne, School	4.00	EACH	\$65.000	\$260.00
12		Pavt Mrkg, Waterborne, 4 Inch, Crosshatching	1,815.00	EACH	\$0.950	\$1,724.25
13		Pavt Mrkg, MMA, Green	1,820.00	SF	\$9.850	\$17,927.00
14		Pavt Mrkg, MMA, Bike Symbol	16.00	EACH	\$185.000	\$2,960.00
15		Pavt Mrkg, Endurablend, Green	280.00	SF	\$8.500	\$2,380.00
16		Pavt Mrkg, Endurablend, Bike Symbol	2.00	EACH	\$150.000	\$300.00
17		Pavt Mrkg, Polyurea, 12 inch, Crosswalk	80.00	LF	\$5.950	\$476.00
18		Pavt Mrkg, Polyurea, 24 inch, Stop Bar	25.00	LF	\$12.500	\$312.50

Total Bid Price: \$32,631.42

Notes:

- QUOTE IS BASED ON ONE MOVE-IN FOR FINAL MARKINGS.
- PAYMENT TO BE MADE BASED ON QUOTED UNIT PRICES.

ACCEPTED: The above prices, specifications and conditions are satisfactory and are hereby accepted. Buyer: _____ Signature: _____ Date of Acceptance: _____	CONFIRMED: PK CONTRACTING, INC. Authorized Signature: _____ Estimator: Nick Shea
---	---

City of Birmingham
S. Eton Corridor Improvements
W. Fourteen Mile Rd to Yosemite Blvd
Engineer's Opinion of Probable Construction Cost



Project No.: 823801
By: RWT
Date: 5/22/2018

General Description: Placement of Cycle Track Lane Separators; and removal, protection, and replacement of existing street signs.

Item	Item Description	Unit	Unit Price	Est. Qty.	Amount
1	Mobilization, Bonds, and Insurances (5% Max)	LSum	\$ 1,700.00	1	\$ 1,700.00
2	Cycle Track, Lane Separator	Ea	\$ 100.00	125	\$ 12,500.00
3	Sign, Type III, Rem	Ea	\$ 10.00	49	\$ 490.00
4	Sign, Type III, Erect, Salv	Ea	\$ 30.00	49	\$ 1,470.00
5	Post, Steel, 3 lb	Ft	\$ 6.00	378	\$ 2,268.00

Estimated Construction Cost: \$ **20,100.00**

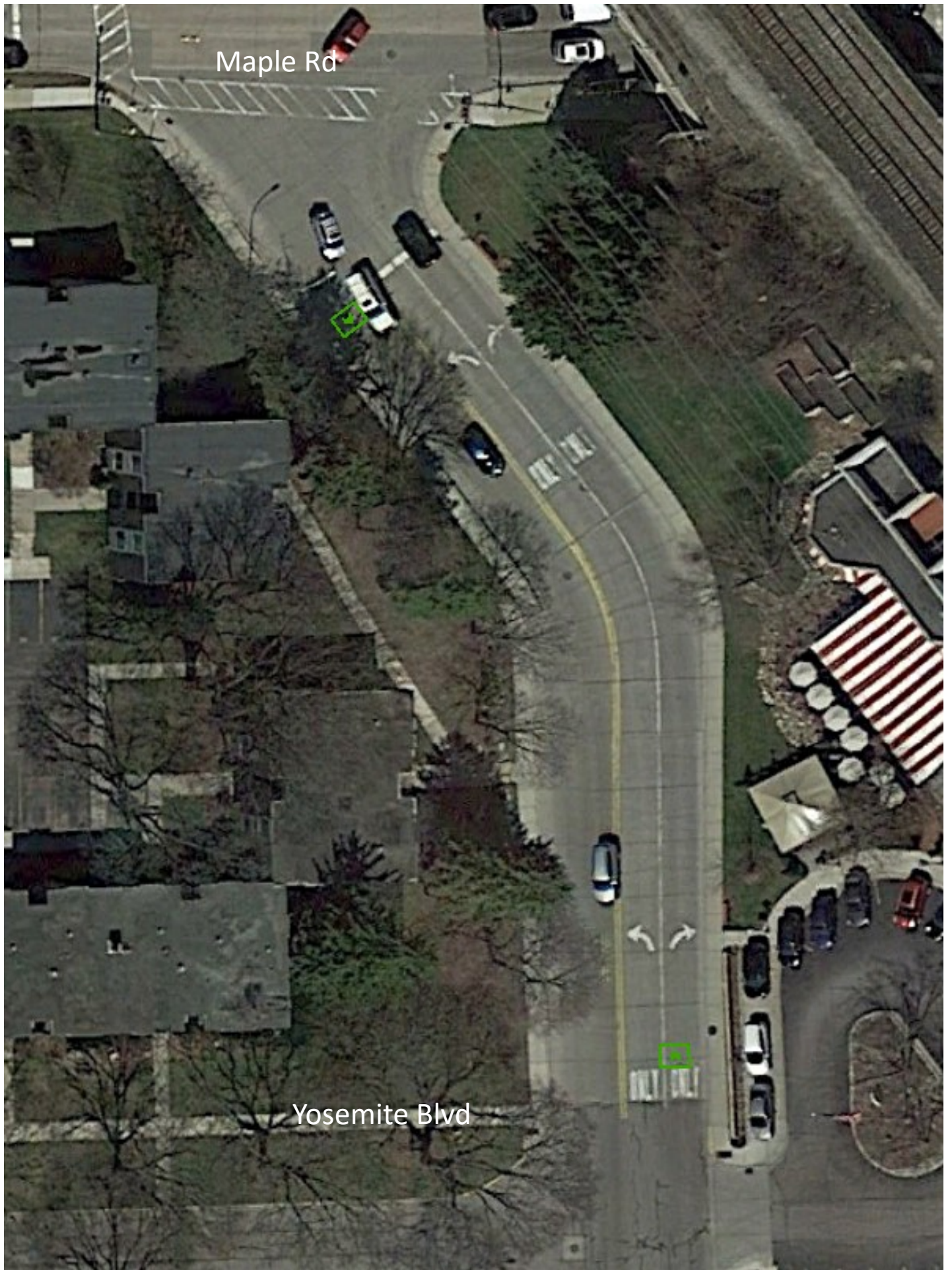
Engineering 12%: \$ **2,400.00**

Total Project Cost: \$ **22,500.00**

*** The Design Professional has no control over costs or the price of labor, equipment or materials, or over the Contractor's method of pricing. Bid prices may vary significantly based on these factors and market conditions at time of bid.*

Maple Rd

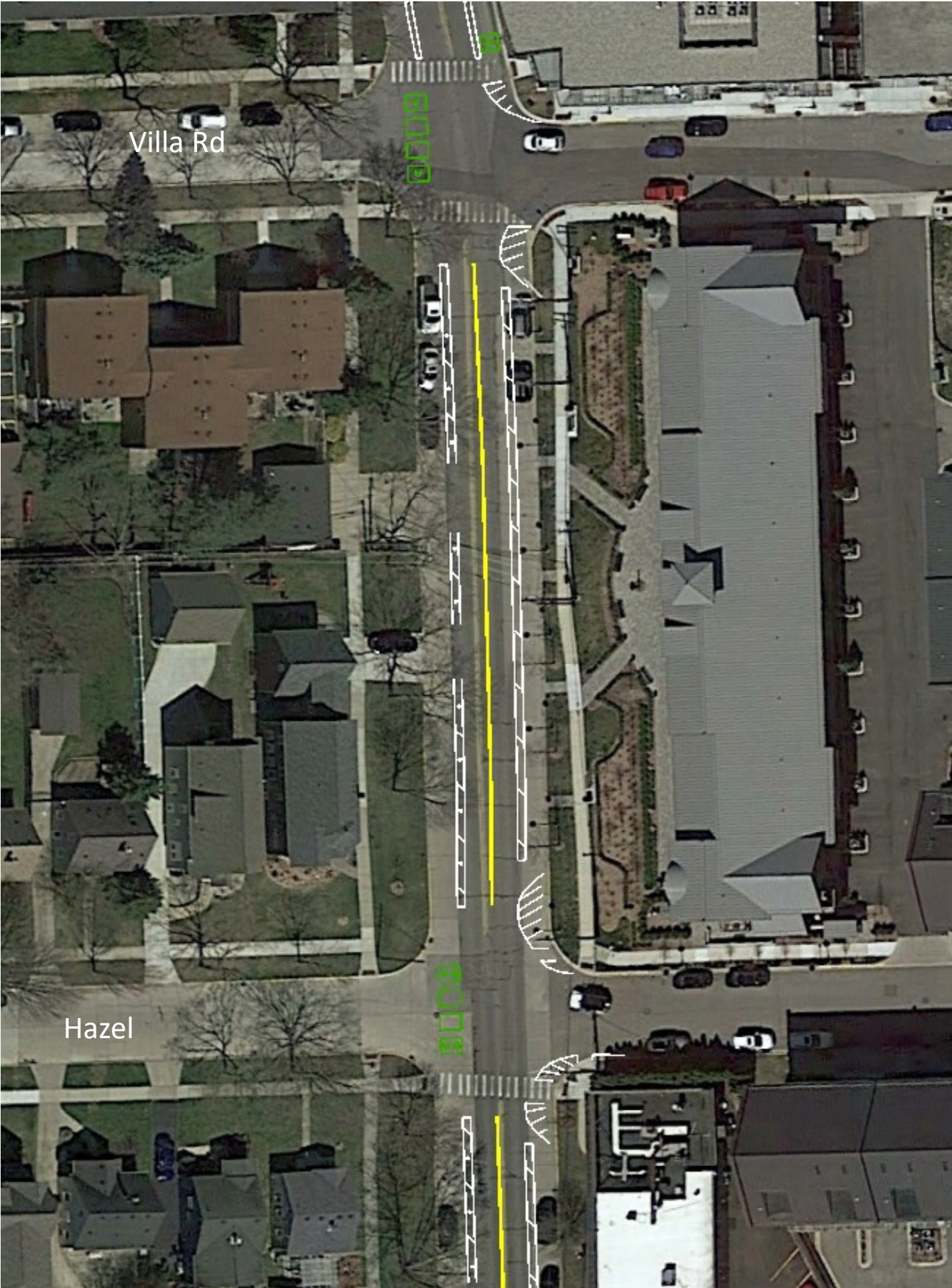
Yosemite Blvd



Yosemite Blvd

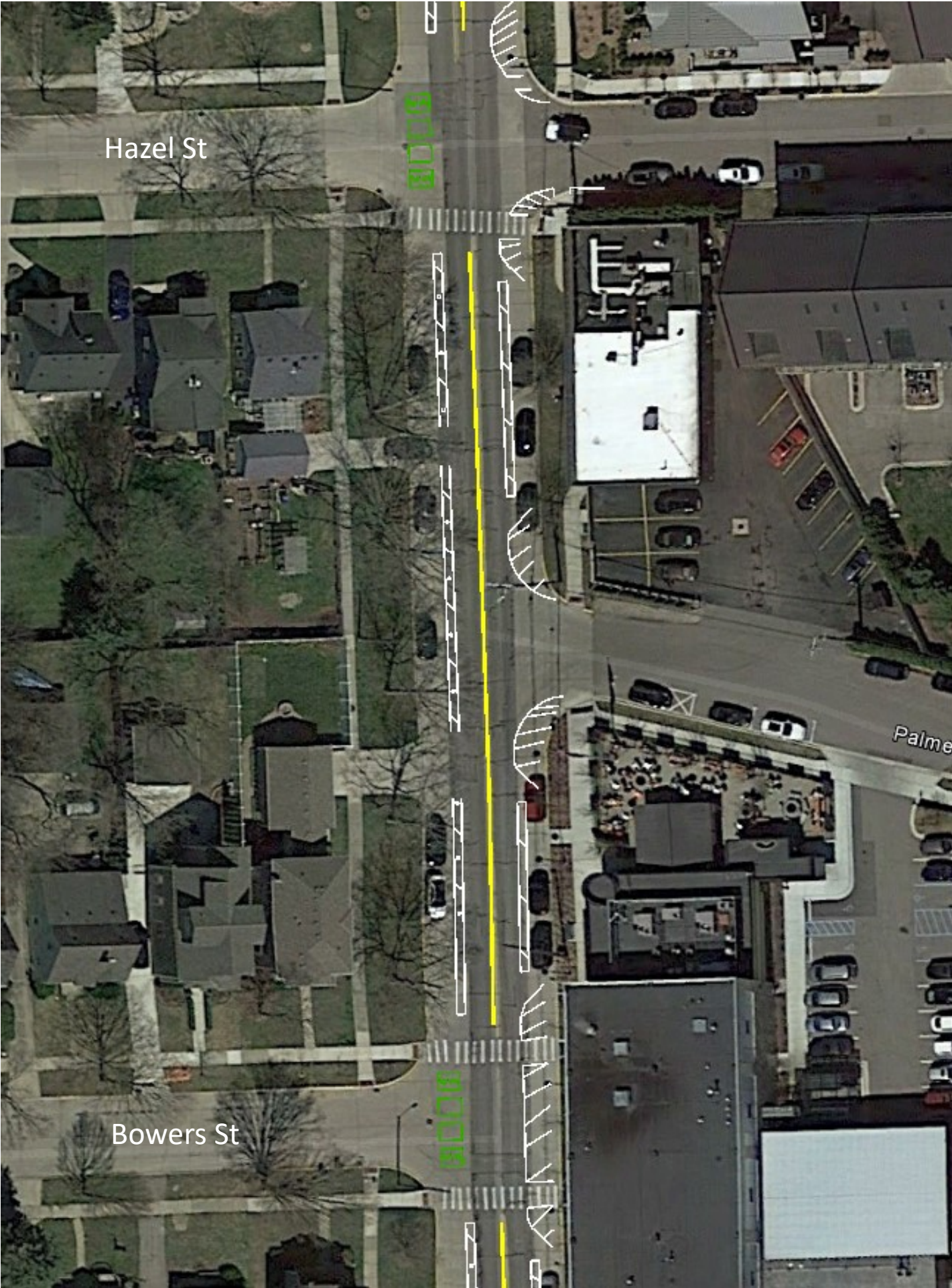
Villa Rd





Villa Rd

Hazel



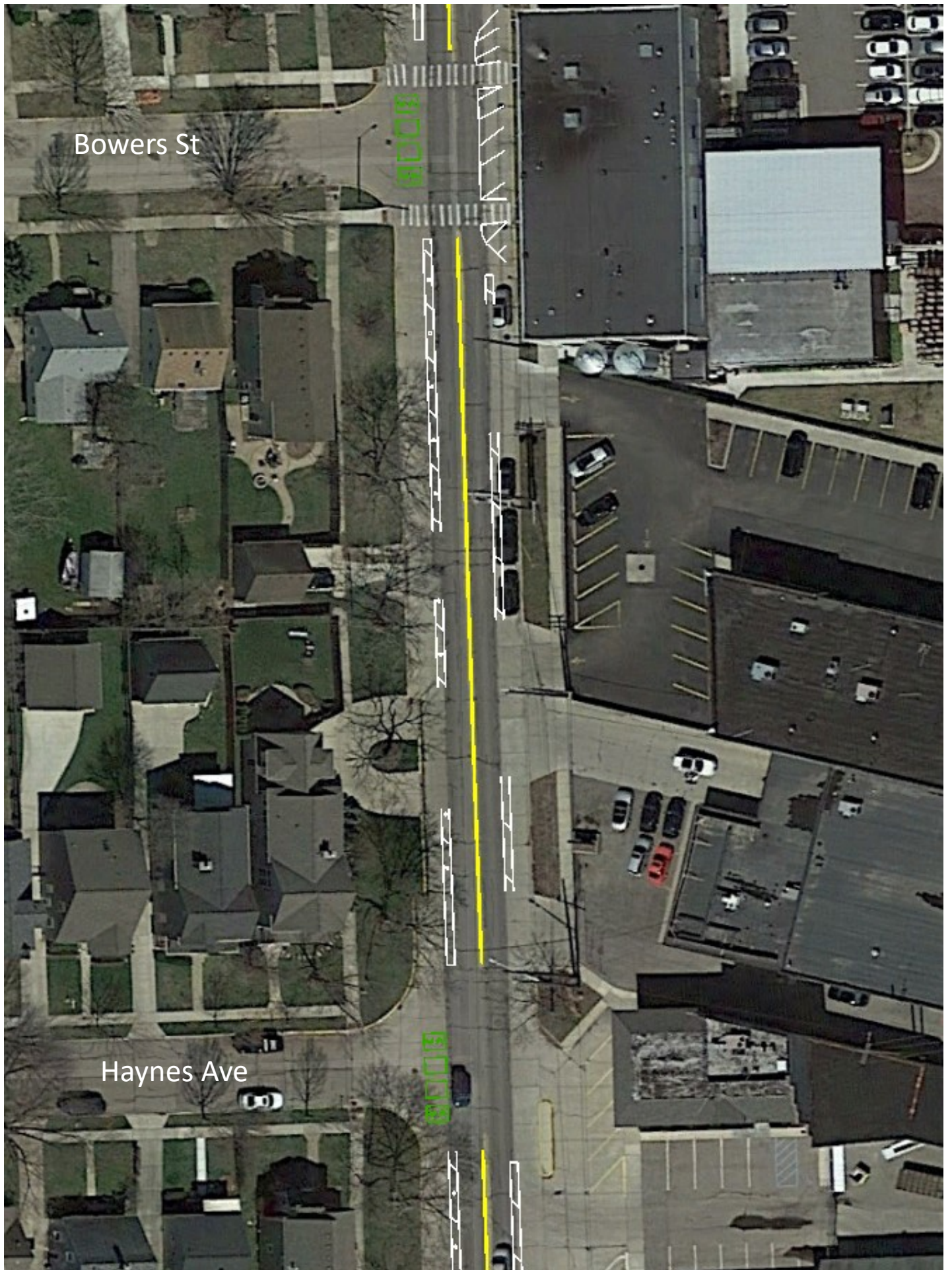
Hazel St

Bowers St

Palme

Bowers St

Haynes Ave





Haynes Ave

Holland Ave



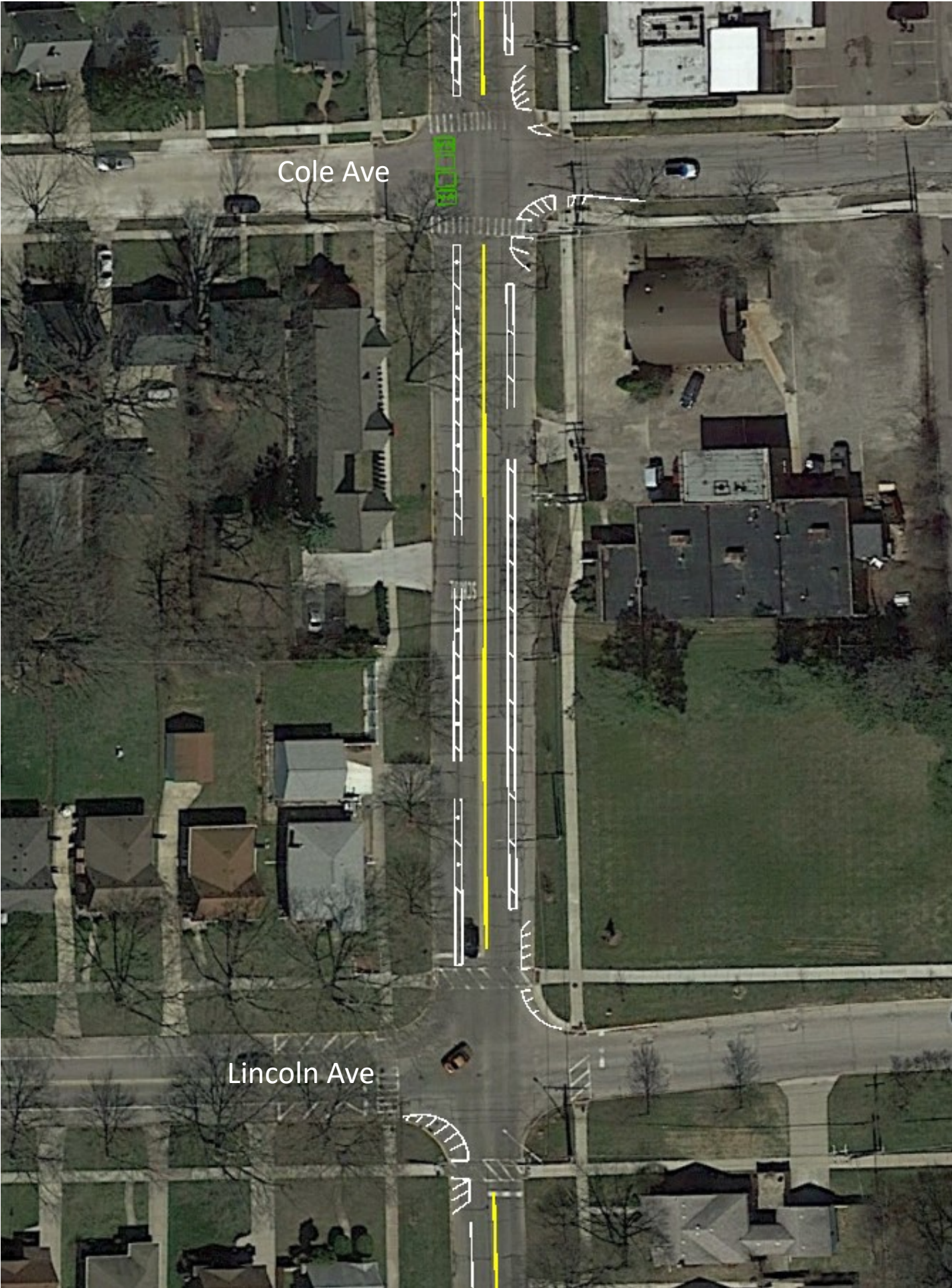
Holland Ave

Webster Ave



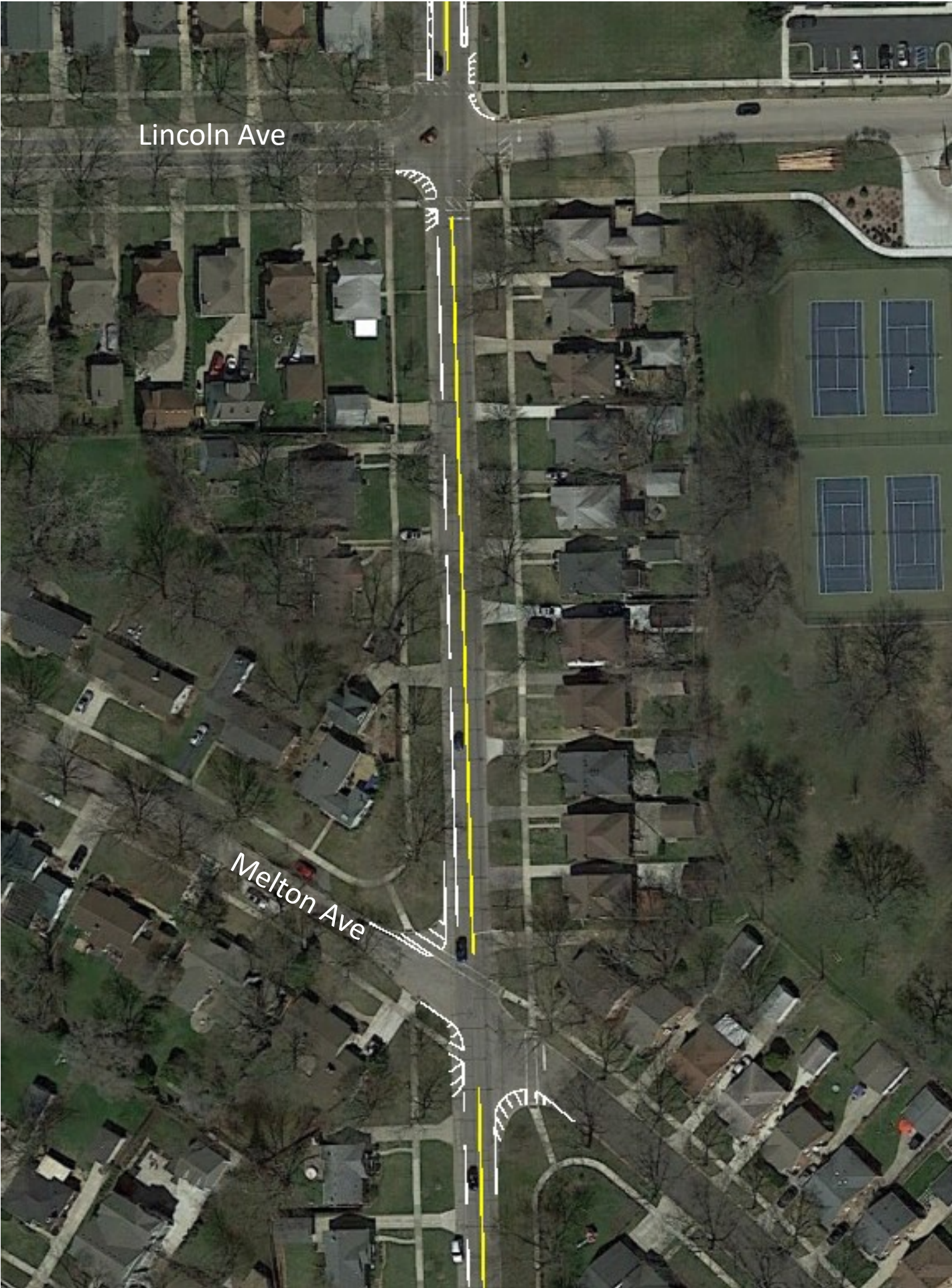
Webster Ave

Cole Ave



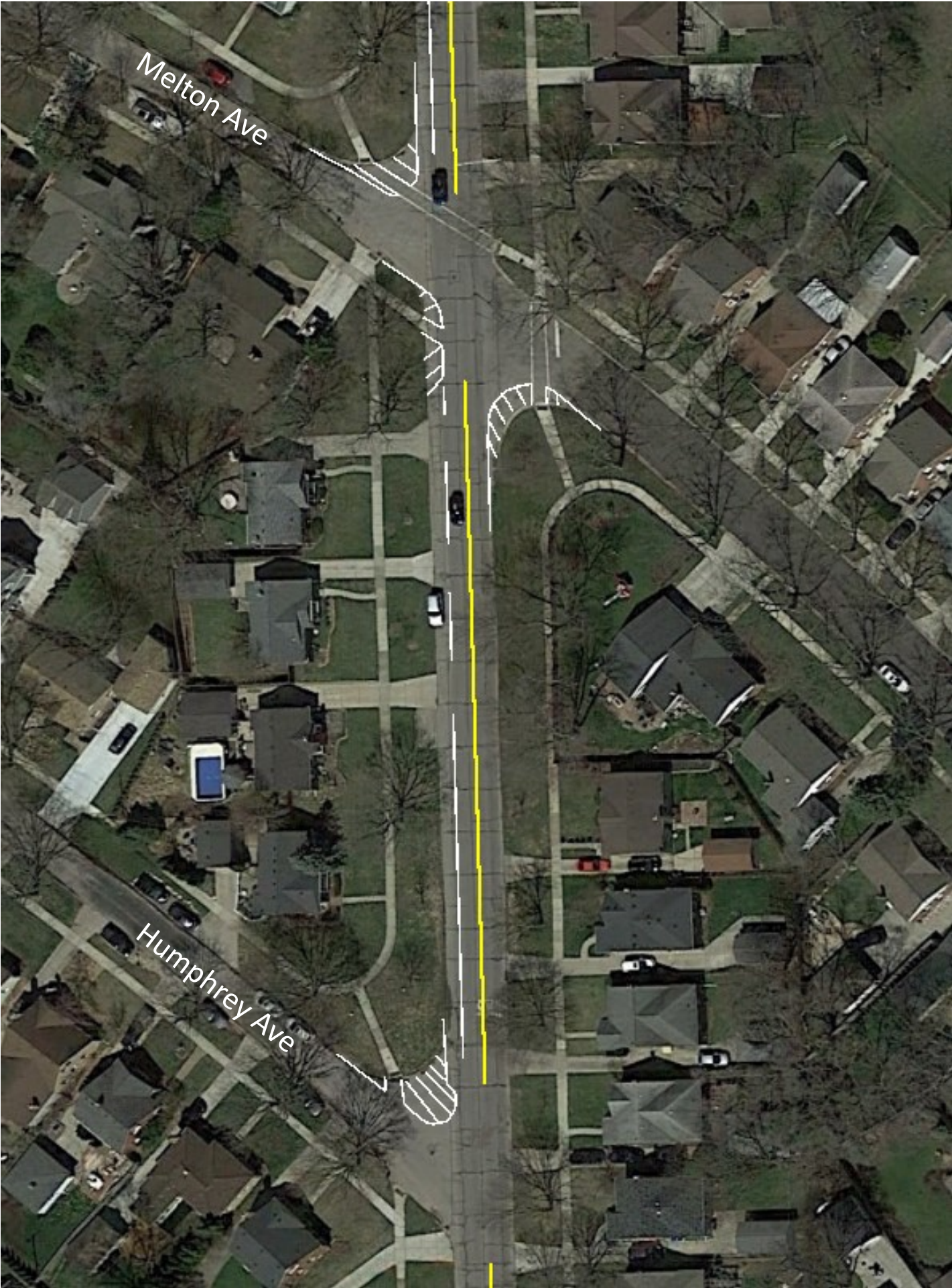
Cole Ave

Lincoln Ave



Lincoln Ave

Melton Ave



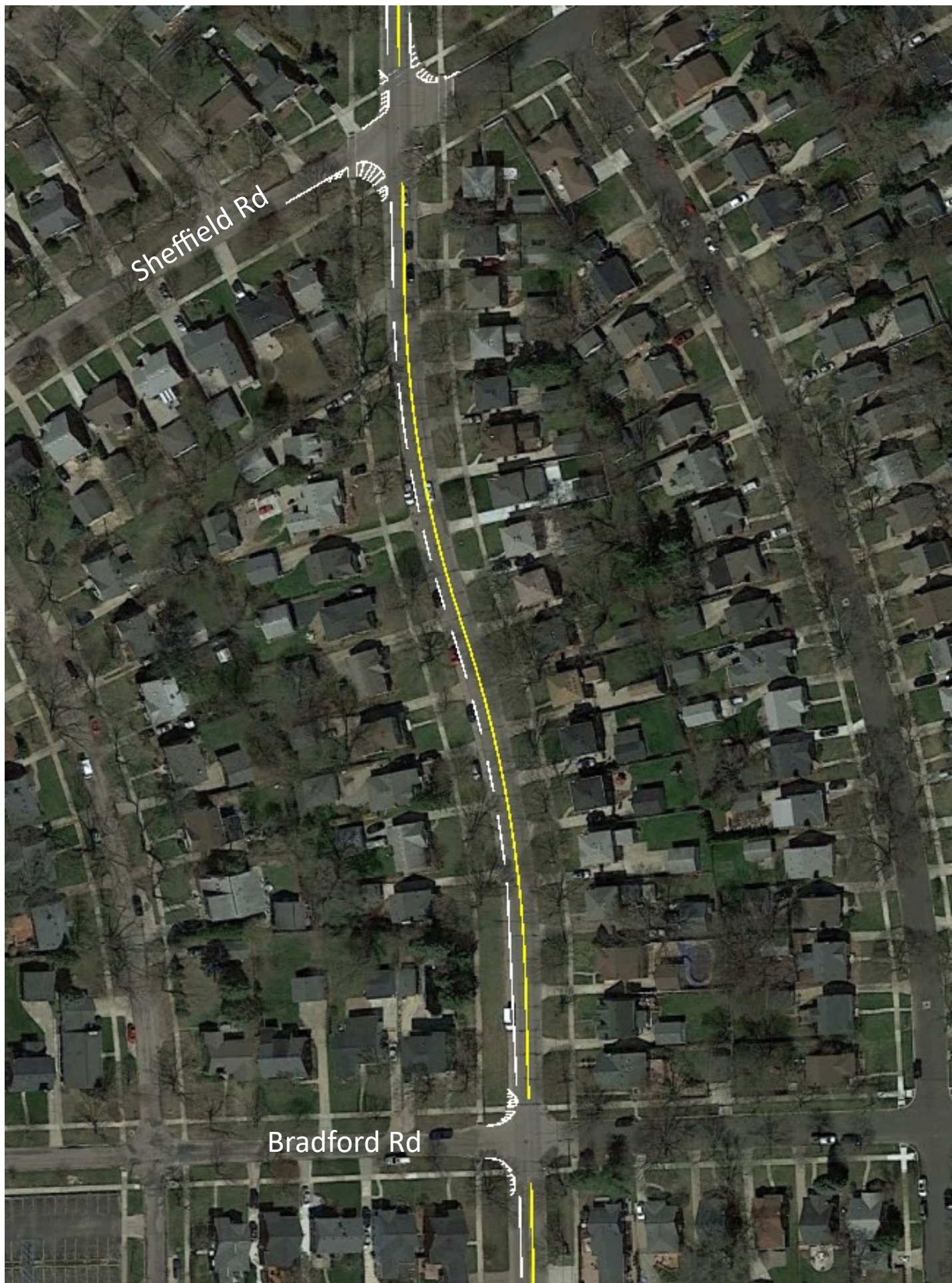
Melton Ave

Humphrey Ave



Humphrey Ave

Sheffield Rd





Bradford Rd

14 Mile Rd

Motion by Ms. Edwards

Seconded by Mr. Isaksen to accept the MMTB Minutes of January 4, 2018 with the change as mentioned.

Motion carried, 7-0.

VOICE VOTE

Yeas: Edwards, Isaksen, Schafer, Slanga

Nays: None

Absent: Adams, Folberg, Lawson, Rontal, Surnow

5. S. ETON TEMPORARY STRIPING

Mr. O'Meara provided background. At the November 2, 2017 MMTB meeting the board passed a set of recommendations for the City Commission to approve on S. Eton Rd. In December the Commission passed a resolution that endorsed the ideas in theory. In addition the Commission endorsed staff's recommendation to attempt to secure outside funding for the work. They also suggested that this board look at a temporary concept where the majority of the proposed ideas could be tested out with paint and low cost methods while waiting to see if funding is available.

Therefore, staff has put together a temporary striping plan for the board to consider tonight. The two significant features being left out of this test are: the pedestrian island at the Maple Rd. crosswalk; and the off-road bike path from Lincoln Ave. to 14 Mile Rd. If this temporary plan is endorsed by this board it would go back to the Commission for their approval.

Maple Rd. to Yosemite Blvd.

The recommendation for the center island has not been endorsed by the Commission. More data will be collected for study in the Spring. The only other changes involve narrowing of the street on the west side, which is difficult to implement since the main benefit of this provision would be the widened sidewalk. Sharrows can be painted in the street that will help encourage bikes.

Yosemite Blvd. to Villa Rd.

The suggestion is to narrow the street in both directions by moving the curbs inward, and taking out the parking on the southbound side in favor of a 5 ft. bike lane with a 2 ft. buffer. Vertical separation elements such as turtles to separate the bike lane are not recommended here. The permanent plan is to have the bikes ride on the same road section as the cars.

Multi-Modal Transportation Board Proceedings

January 4, 2018

Page 3

Villa Rd. to Lincoln Ave.

Painted bumpouts at each intersection are proposed with 2 ft. high markers to encourage people to stay out of those areas as they make right turns. Due to the high cost of the green paint feature, just the sections where the bike lanes cross an intersection are proposed to feature green paint during the test period. Stop signs west of each intersection will warn people to watch for bikes in two directions.

Lincoln Ave. to 14 Mile Rd.

The off-road bike lane facility proposed on the recommended plan will have to be deleted during the test period due to cost. South of Lincoln Ave. there are no bike improvements because the road isn't wide enough. The double yellow line as well as the white line for a southbound parking lane could be installed. It was discussed that temporary sharrows could be installed to show that the bike lane doesn't just dead end. The test would allow the City to monitor if the changes help reduce average speeds, as well as encourage on-street parking.

Motion by Mr. Isaksen

Seconded by Ms. Schafer

WHEREAS, the City Commission has endorsed the majority of the Multi-Modal Transportation Board recommendations for S. Eton Rd. from Maple Rd. to 14 Mile Rd., and

WHEREAS, the City will be applying for a Transportation Alternatives Program (TAP) grant in the near future in an effort to obtain funding for this project, and

WHEREAS, the City Commission has directed staff to obtain additional truck and pedestrian traffic counts in the area of Maple Rd. and S. Eton in order to allow for further study of the recommended improvements at the Maple Rd. intersection,

THEREFORE, the Multi-Modal Transportation Board recommends that the City proceed with the installation of test features that will provide the majority of the transportation improvements being considered in a temporary mode, at a substantially reduced cost, as outlined below:

1. Installation of painted bumpouts with lane markers at each intersection, as well as pavement markings to improve each crosswalk in accordance with the recommended plan.
2. Installation of sharrows between Maple Rd. and Yosemite Blvd.
3. Removal of parking, and installation of buffered, marked bike lanes for northbound and southbound traffic between Yosemite Blvd. and Villa Rd.
4. Removal of parking on the west side of the street, to provide room for a marked, buffered, and separated two-way bike lane, as well as white lines demarcating the northbound parking lane between Villa Rd. and Lincoln Ave.

5. Installation of double yellow lines and white line to demarcate travel lanes from the southbound parking lane between Lincoln Ave. and 14 Mile Rd.

In addition, that we paint sharrows on the portion between Lincoln Ave. to 14 Mile Rd.

Motion carried, 4-0.

VOICE VOTE

Yeas: Isaksen, Schafer, Edwards, Slanga

Nays: None

Absent: Adams, Folberg, Lawson, Rontal, Surnow

6. SAXON/LATHAM INTERSECTION IMPROVEMENTS

Commander Grewe reported that staff has received complaints from residents on Saxon about the speed and volume of vehicles on Saxon. Staff has discussed these complaints numerous times over the last few years and explored multiple options. Currently the road is not scheduled to be replaced or repaired as it is in good condition. In the Fall of 2017 crosswalks and pavement markings were added at Latham and Saxon.

Since it appears that the majority of the homeowners are not interested in a large expenditure, any implemented ideas must be kept at low cost. The one low-cost idea that F&V suggests that has not been discussed with the residents is the idea of installing white edge lines on both sides to narrow the street.

Ms. Kroll indicated that previous studies with Beverly Hills found that the traffic there is not cut-through; it is really just local residents that drive fast.

Motion by Ms. Edwards

Seconded by Mr. Isaksen to direct Staff to meet with residents of Birmingham and Beverly Hills to review the potential of installing edge lines as depicted in the aerial photo in the agenda.

Motion carried, 4-0.

VOICE VOTE

Yeas: Edwards, Isaksen, Schafer, Slanga

Nays: None

Absent: Adams, Folberg, Lawson, Rontal, Surnow

- While project urban designer Joe Nickol is based in Cincinnati, he comes into the Metro Detroit area frequently for work.
- Mr. Shrader and Mr. Nickol will move forward with a context-sensitive approach, and Ms. Kroll will provide supplemental engineering considerations as needed.
- He would likely meet with the Commission first to get their priorities, come back to them with recommendations, and then proceed with the project in order to prevent superfluous visits to the Commission.

Commissioner Nickita stressed that Birmingham would be approving this proposal based on the understanding that Mr. Nickol will be heavily involved in the process.

Mr. Strader confirmed MKSK understands this is a priority for Birmingham, and MKSK is committed to meeting it.

Ms. Kroll, engineer from F&V, stated her excitement about the team for this project, and reported she has participated in every F&V project in Birmingham for the last 2 ½ years.

Commissioner Nickita said he is encouraged by the direction in which the process is going and expects the Commission to monitor the process closely since there are many moving parts.

Mayor Harris stated he would like both MKSK and F&V to be parties to the contract with the City.

MOTION: Motion by Commissioner DeWeese, seconded by Commissioner Boutros:
To approve the recommendation of the Multi-Modal Transportation Board and enter into an agreement with the MKSK/Fleis & Vandenbrink team to provide professional multi-modal transportation consulting services to the City of Birmingham for a three year term, to be payable from account #202-449.007-804.0100. Further, to direct the Mayor and City Clerk to sign the agreement on behalf of the City.

VOTE: Yeas, 7
 Nays, 0
 Absent, 0

12-323-17 SOUTH ETON ROAD – MAPLE ROAD TO 14 MILE ROAD – MULTI-MODAL TRANSPORTATION BOARD RECOMMENDATIONS

From the report to City Manager Valentine dated November 22, 2017 from Planning Director Ecker, Operations Commander Grewe and City Engineer O'Meara:

In 2016, the City Commission appointed an Ad Hoc Rail District Committee to study the Rail District with respect to parking and traffic issues. A final report was received by the Commission in December of last year. Since several of the Committee's recommendations had to do with the commercial section of S. Eton Rd., the Multi-Modal Transportation Board (MMTB) first focused on the segment from Maple Rd. to Lincoln Ave. In August of this year the MMTB endorsed a series of recommendations for three portions of that segment: Maple Road to Yosemite Boulevard, Yosemite Boulevard to Villa Avenue and Villa Avenue to Lincoln Avenue.

With the grand opening of Whole Foods at 2100 E. Maple Road planned for October 2017, the City Commission focused on improvements suggested for the north block of S. Eton Road at Maple Road. No action has yet been taken.

Subsequently the MMTB studied the section of S. Eton Road from Lincoln Avenue to 14 Mile Road. After reviewing 12 different cross-sections designed to provide improved facilities for pedestrians and bicyclists, as well as reduced traffic speeds, a preferred cross-section was advertised by postcard and posted on the City's website. The preferred option proposed bump-outs at each intersection, as well as an 8 ft. wide bi-directional bike lane on the west side parkway, using the large green space that exists in the public right-of-way.

Following a public hearing at the MMTB's regular meeting of November 2, 2017, the MMTB approved a recommendation for the segment between Lincoln Avenue. and 14 Mile Road.

City Engineer O'Meara presented aerial photography as the background for the plans for the entire S. Eton Road corridor, and provided commentary on the discussions which influenced the final decisions of the MMTB.

City Engineer O'Meara presented the proposed construction sequence and costs:

Segment	Pedestrian Improvements	Bicycle Improvements
Maple to Yosemite (not including pedestrian island)	\$49,600	\$400
Yosemite to Villa	\$164,600	\$14,600
Villa to Lincoln	\$467,500	\$158,900
South of Lincoln to 14 Mile	\$554,200	\$275,900
TOTAL Maple to Lincoln	\$681,700	\$173,900
TOTAL South of Lincoln to 14 Mile	\$554,200	\$275,900
TOTAL Maple to 14 Mile	\$1,235,900	\$449,800

PROJECT GRAND TOTAL = \$1,685,700

City Engineer O'Meara continued, in order to assist in paying for this work, it is recommended that the City apply for federal funding through the Transportation Alternatives Program (TAP). The deadline to apply for funding is March 2018, with the City receiving notification if they were successful in July 2018. The City could then budget for its share of the project for fiscal year 2019/2020, and build the project as soon as late summer, 2019. The grant would pay for 80% of the construction costs. The City would be responsible for the remaining 20% match, as well as 100% of engineering and design costs. Using the numbers above, it is estimated that the City's share for the entire project would be \$499,000.

City Engineer O'Meara also commented that if the grant is not awarded, other than a special assessment for sidewalks between Yosemite Blvd. and Villa Ave., the only funding source for this project would be the Major Streets Fund. Currently, the Major Street Fund requires a contribution from the General Fund to pay for annual expenses, therefore, the General Fund would be the main source of funding for this project.

Planning Director Ecker offered summary comments.

City Engineer O'Meara explained to Mayor Pro Tem Bordman:

- Leaf removal will be handled by asking residents to put their leaves on the other street, since they are all corner houses, instead of into the bicycle path; and,
- In light snow, snow removal from the bicycle path will not be an issue, but in heavier snows it may be because the snow from the street will be pushed into the bicycle path.

Planning Director Ecker commented that snow could be removed from the bicycle path in these circumstances after priority areas in the city are plowed.

Planning Director Ecker explained to Mayor Pro Tem Bordman that 27 different types of separators were considered by the MMTB, and the proposed option was found to be the best balance between environmental aesthetics and utility.

Commissioner DeWeese pointed out that snow plowing equipment that could be used in the bicycle lanes would also be useful for Old Woodward after the upcoming construction is complete.

Commissioner Nickita stated:

- Areas in Ferndale and around Little Cesar's Arena have installed vertical white separators and other installations similar to the non-motorized options being considered for Birmingham; and,
- Birmingham could integrate some of the installations being seen in other Metro Detroit areas if the City wants to adhere to the emerging visual regional standard.

Commissioner Hoff stated if this proposal looked more like Lincoln, she would be more supportive of it. She stated:

- She supports the narrowing of Eton, the bump-outs, and the crosswalks.
- She does not support the green painting of the bicycle path.
- She is concerned about the potential difficulty for cars backing out of driveways on Eton.

Planning Director Ecker stated there is a larger buffer area and better sight lines on Eton with this proposal than there are now.

Commissioner DeWeese stated his support for the proposal.

Commissioner Nickita said:

- The proposal addresses many concerns regarding pedestrian and bicyclist safety that have emerged from this area over the last few years.
- If Birmingham continues to invest in its bicycle infrastructure, more people will utilize it.
- Birmingham may receive up to 80% of the costs for the project in TAP grant money.
- If Birmingham does not receive the grant money immediately for the project, the City could make some interim changes with paint in the style of what has been done in Ferndale and Downtown.

- Painting in the interim would allow the Commission to study the proposed changes further before physically implementing them, and then to pursue grant money on the basis of the study's conclusions.

Mayor Pro Tem Bordman voiced support for Commissioner Nickita's proposal to test some of the ideas with paint.

Mayor Harris agreed with Mayor Pro Tem Bordman.

City Engineer O'Meara and Planning Director Ecker confirmed for Mayor Harris that the TAP grant is approved either in toto or not at all. Planning Director Ecker offered that a similar proposal in Dearborn was funded previously.

Commissioner Boutros stated his support of Commissioner Nickita's proposal.

Commissioner DeWeese said he would like to see City Engineer O'Meara come back to the Commission in spring 2018 to present the options for testing the concepts with paint.

Commissioner Sherman stated that other materials are also welcome for creating a test case.

Commissioner Nickita pointed out the test case will need to be revisited if the City receives the TAP grant in 2018.

MOTION: Motion by Commissioner DeWeese, seconded by Commissioner Bordman: To approve the recommendations of the Multi-Modal Transportation Board for S. Eton Rd. from Maple Rd. to 14 Mile Rd. for pedestrian and bicycle improvements throughout the corridor in concept, as outlined below:

A. Maple Rd. to Yosemite Blvd.:

1. Relocate the west side curb for the entire block from its current location to a point three feet closer to the center of the road, thereby allowing the west side sidewalk to be rebuilt at 8 feet wide.
2. Install an enhanced, larger sidewalk ramp area at the southeast corner of Maple Rd.
3. Install sharrows in both directions on the existing travel lanes.

AND

B. Yosemite Blvd. to Villa Ave.:

1. Relocate the curbs on both sides of the street to create a two-lane street with 15 foot travel lanes. Parking shall be removed from both sides of the street.
2. Install a 4 ft. wide parkway between the sidewalks and the new curb, and install new street trees, at a spacing of 40 ft. each.
3. Install 6.5 to 8 ft. wide sidewalks on both sides of the street.
4. Install sharrows in both directions on the existing travel lanes.

AND

C. Villa Ave. to Lincoln Ave.:

1. Remove parking on the west side of the street, to be replaced with an 8.5 ft. wide bi- directional bike lane and a 1.5 ft. buffer with raised markers.
2. Install a 3 ft. wide painted buffer between the northbound travel lane and the

- parking lane (on the east side of the street).
3. Install curbed bump-outs at marked pedestrian crosswalks on the east side of the street, at the intersections of Villa Ave., Hazel St., Palmer Ct., Bowers St., Holland Ave., Webster Ave., Cole Ave., and Lincoln Ave.
 4. Install green marked bicycle crossings on the western leg of the intersections of Villa Ave., Hazel St., Bowers St., Haynes St., Holland Ave., Webster Ave., Cole Ave., and Lincoln Ave.

AND

D. South of Lincoln Ave. to 14 Mile Rd.:

1. Install an 8 ft. wide on-street parking lane on the west side of the street, separated from traffic with a solid line, with 24-hour parking permitted;
2. Install a double yellow centerline for S. Eton Rd. to create two 10 ft. wide travel lanes (on the east side of the street) for vehicles;
3. Install an 8 ft. wide bi-directional bike lane 2 ft. from the back of curb on the west side of S. Eton Rd.;
4. Maintain a 2 ft. wide landscaped buffer between the on-street parking lane and the bike lane;
5. Install curb bump-outs and crosswalks at the intersections of Melton Rd., Humphrey Ave., Sheffield Rd., and Bradford Rd., as noted on the attached plan;
6. Install green marked bicycle crossings on the western leg of the intersections of Lincoln Ave., Melton Rd., Humphrey Ave., Sheffield Rd., and Bradford Rd., as noted on the attached plan.
7. The City shall assume responsibility for the maintenance of the 8 ft. bike lane.

AND

Further, to direct staff to apply for federal funding for these improvements through the Transportation Alternatives Program administered by the Michigan Dept. of Transportation, and report back to the Commission when status of the grant for the 2018 application has been determined.

AND

To proceed with a traffic study of the Maple Rd. intersection in the spring of 2018, with truck turning movements quantified, for further review by the Multi-Modal Transportation Board, and a final recommendation to the City Commission.

VOTE: Yeas, 6
 Nays, 1 (Hoff)
 Absent, 0

VII. REMOVED FROM CONSENT AGENDA

The items removed were discussed earlier in the meeting.

VIII. COMMUNICATIONS

None.

IX. OPEN TO THE PUBLIC FOR MATTERS NOT ON THE AGENDA

None.

X. REPORTS

Motion by Ms. Edwards

Seconded by Mr. Isaksen to accept the MMTB Minutes of January 4, 2018 with the change as mentioned.

Motion carried, 7-0.

VOICE VOTE

Yeas: Edwards, Isaksen, Schafer, Slanga

Nays: None

Absent: Adams, Folberg, Lawson, Rontal, Surnow

5. S. ETON TEMPORARY STRIPING

Mr. O'Meara provided background. At the November 2, 2017 MMTB meeting the board passed a set of recommendations for the City Commission to approve on S. Eton Rd. In December the Commission passed a resolution that endorsed the ideas in theory. In addition the Commission endorsed staff's recommendation to attempt to secure outside funding for the work. They also suggested that this board look at a temporary concept where the majority of the proposed ideas could be tested out with paint and low cost methods while waiting to see if funding is available.

Therefore, staff has put together a temporary striping plan for the board to consider tonight. The two significant features being left out of this test are: the pedestrian island at the Maple Rd. crosswalk; and the off-road bike path from Lincoln Ave. to 14 Mile Rd. If this temporary plan is endorsed by this board it would go back to the Commission for their approval.

Maple Rd. to Yosemite Blvd.

The recommendation for the center island has not been endorsed by the Commission. More data will be collected for study in the Spring. The only other changes involve narrowing of the street on the west side, which is difficult to implement since the main benefit of this provision would be the widened sidewalk. Sharrows can be painted in the street that will help encourage bikes.

Yosemite Blvd. to Villa Rd.

The suggestion is to narrow the street in both directions by moving the curbs inward, and taking out the parking on the southbound side in favor of a 5 ft. bike lane with a 2 ft. buffer. Vertical separation elements such as turtles to separate the bike lane are not recommended here. The permanent plan is to have the bikes ride on the same road section as the cars.

Multi-Modal Transportation Board Proceedings

January 4, 2018

Page 3

Villa Rd. to Lincoln Ave.

Painted bumpouts at each intersection are proposed with 2 ft. high markers to encourage people to stay out of those areas as they make right turns. Due to the high cost of the green paint feature, just the sections where the bike lanes cross an intersection are proposed to feature green paint during the test period. Stop signs west of each intersection will warn people to watch for bikes in two directions.

Lincoln Ave. to 14 Mile Rd.

The off-road bike lane facility proposed on the recommended plan will have to be deleted during the test period due to cost. South of Lincoln Ave. there are no bike improvements because the road isn't wide enough. The double yellow line as well as the white line for a southbound parking lane could be installed. It was discussed that temporary sharrows could be installed to show that the bike lane doesn't just dead end. The test would allow the City to monitor if the changes help reduce average speeds, as well as encourage on-street parking.

Motion by Mr. Isaksen

Seconded by Ms. Schafer

WHEREAS, the City Commission has endorsed the majority of the Multi-Modal Transportation Board recommendations for S. Eton Rd. from Maple Rd. to 14 Mile Rd., and

WHEREAS, the City will be applying for a Transportation Alternatives Program (TAP) grant in the near future in an effort to obtain funding for this project, and

WHEREAS, the City Commission has directed staff to obtain additional truck and pedestrian traffic counts in the area of Maple Rd. and S. Eton in order to allow for further study of the recommended improvements at the Maple Rd. intersection,

THEREFORE, the Multi-Modal Transportation Board recommends that the City proceed with the installation of test features that will provide the majority of the transportation improvements being considered in a temporary mode, at a substantially reduced cost, as outlined below:

1. Installation of painted bumpouts with lane markers at each intersection, as well as pavement markings to improve each crosswalk in accordance with the recommended plan.
2. Installation of sharrows between Maple Rd. and Yosemite Blvd.
3. Removal of parking, and installation of buffered, marked bike lanes for northbound and southbound traffic between Yosemite Blvd. and Villa Rd.
4. Removal of parking on the west side of the street, to provide room for a marked, buffered, and separated two-way bike lane, as well as white lines demarcating the northbound parking lane between Villa Rd. and Lincoln Ave.

5. Installation of double yellow lines and white line to demarcate travel lanes from the southbound parking lane between Lincoln Ave. and 14 Mile Rd.

In addition, that we paint sharrows on the portion between Lincoln Ave. to 14 Mile Rd.

Motion carried, 4-0.

VOICE VOTE

Yeas: Isaksen, Schafer, Edwards, Slanga

Nays: None

Absent: Adams, Folberg, Lawson, Rontal, Surnow

6. SAXON/LATHAM INTERSECTION IMPROVEMENTS

Commander Grewe reported that staff has received complaints from residents on Saxon about the speed and volume of vehicles on Saxon. Staff has discussed these complaints numerous times over the last few years and explored multiple options. Currently the road is not scheduled to be replaced or repaired as it is in good condition. In the Fall of 2017 crosswalks and pavement markings were added at Latham and Saxon.

Since it appears that the majority of the homeowners are not interested in a large expenditure, any implemented ideas must be kept at low cost. The one low-cost idea that F&V suggests that has not been discussed with the residents is the idea of installing white edge lines on both sides to narrow the street.

Ms. Kroll indicated that previous studies with Beverly Hills found that the traffic there is not cut-through; it is really just local residents that drive fast.

Motion by Ms. Edwards

Seconded by Mr. Isaksen to direct Staff to meet with residents of Birmingham and Beverly Hills to review the potential of installing edge lines as depicted in the aerial photo in the agenda.

Motion carried, 4-0.

VOICE VOTE

Yeas: Edwards, Isaksen, Schafer, Slanga

Nays: None

Absent: Adams, Folberg, Lawson, Rontal, Surnow



MEMORANDUM

Finance Department

DATE: May 17, 2018

TO: Joseph A. Valentine, City Manager

FROM: Mark Gerber, Director of Finance/Treasurer

SUBJECT: Online Banking Policy

During the City's fiscal year 2017-2018 audit, the City's auditors Plante & Moran, PLLC, made a few recommendations in their report to the City Commission on November 20, 2017. One of the recommendations was that the City should have a formal online banking policy which is approved by the City Commission. This policy should outline the responsibilities and controls for conducting electronic banking.

Attached for your review and approval is the recommended online banking policy. This policy was reviewed by Plante & Moran to make sure it was covering the points they wanted to see included in the policy.

SUGGESTED RESOLUTION: To approve the Online Banking Policy as presented by Finance Director/Treasurer Gerber.

City of Birmingham

Online Banking Policy

Commission Approved:

City of Birmingham

Online Banking Policy

This policy was developed to set forth the procedures regarding on-line banking activities of the City of Birmingham.

Definition of Online Banking

Online banking is the performance of banking activities via the internet.

Activities Covered Under this Policy

The following bank related activities are covered under this policy:

- Viewing account activity;
- Transferring money between city accounts or to vendors/employees via wire transfer or ACH;
- Transmitting and receiving check information;
- Requesting stop payment on a check;
- Receiving cash receipt information;
- Downloading bank statements;

Administration

The Finance Director/Treasurer is responsible for authorizing individual online access to the City's various bank accounts. The Finance Director/Treasurer is also responsible for granting user rights to accounts and functionality within the online banking system. Users of the system shall not share user ID's, passwords, or tokens. If an employee's duties are modified, the Finance Director/Treasurer will be responsible for updating the users account access and functionality. Terminated employees shall return any tokens to the Finance Director/Treasurer. Dual approval over changes to user access will be used with the Assistant Finance Director serving as the second approver.

Electronic Payments

Wire transfers are electronic movements of money that take place the same day they are approved for payment. ACH (Automated Clearing House) payments are electronic movements of money that clear the day after the approval for payment.

Wire transfers for payments outside of the City's accounts shall use the bank's dual approval process whereby wires are initiated by one user and approved by another user before the payment is sent. The Finance Director/Treasurer, Assistant Finance Director, and Deputy Treasurer will have the authority to approve wire transfers. All wire transfers require supporting documentation of the reason for the transaction. Wire transfers shall be entered into the accounting system either through journal entry or through the accounts payable process by the Finance Department. The dual approval process will also be used to setup wire transfer vendor bank account information.

Wire transfers between City accounts for the purposes of funding employer contributions to the retirement and retiree health care trusts, funding retirement and retiree health care expenses, or funding contractor escrow accounts, shall be initiated by Finance Department staff by memo, approved by the Finance Director/Treasurer or Assistant Finance Director, and executed by the Deputy Treasurer.

ACH transactions with vendors shall be entered into the accounts payable system using the same method as paper checks. City staff from various departments will enter their invoices into the system, appropriate department heads will approve the payment, accounts payable staff in the Finance Department will review the entry in the system to the supporting documentation and approve the invoice for payment. Prior to creating an ACH file, the Finance Director, Assistant Finance Director or Senior Accountant will verify changes made to a vendor's banking record to a request from the vendor. An ACH file will be created, compared to the ACH payments report, and sent to the bank by the Finance Director, Assistant Finance Director or Senior Accountant. Staff involved in the processing of accounts payable shall not have access to create or send an ACH file to the bank.

ACH transactions with employees shall be entered into the payroll system using the same method as paper checks. Employee time will be entered into the system, and verified and approved by the employee's supervisor/department head. ACH payments to an employee shall only be permitted upon receipt of authorization from the employee and verification of the employee's banking information. The Payroll Coordinator will be responsible for entering an employee's banking information into the system. The employee's ACH authorization shall be kept in a secured location. Prior to creating an ACH file, the Finance Director, Assistant Finance Director, or Senior Accountant will verify changes to an employee's banking record with a request from the employee. An ACH file will be create, compared to the direct deposit report, and sent to the bank by the Finance Director, Assistant Finance Director, or

Senior Account. Federal and state withholding taxes will be transmitted by ACH by the Payroll Coordinator using the federal or state's prescribed method of payment. Other employee withholding (union dues, retirement and retiree health care payments, etc.) may also be transmitted via ACH upon receipt of authorization from those vendors. These ACH payments will be prepared during the payroll process and transmitted to the bank by the Finance Director, Assistant Finance Director, or Senior Accountant.

There are some cases where vendors will require an automatic ACH withdraw from the City's account. These types of transactions normally involve paying credit card processors and the City Manager's credit card. In these cases, the Finance Director/Treasurer or Deputy Treasurer will authorize the automatic payment and then set a limit on the withdraw using a fraud prevention feature called ACH Positive Pay. When a vendor's automatic payment exceeds the predetermined limit, an alert is sent to the Finance Director/Treasurer and Deputy Treasurer by the bank to determine whether payment should be made or rejected. The Finance Director/Treasurer or Deputy Treasurer shall approve or reject ACH payments above the pre-determined limits. The Finance Director/Treasurer and Deputy Treasurer shall periodically review the ACH limits to determine if the limits are reasonable. The default setting for payments above the ACH limits shall be set to reject.

Upon the decision of the Finance Director/Treasurer or in his/her absence, the Deputy Treasurer to invest City funds, the Finance Director/Treasurer or Deputy Treasurer shall authorize the City's general investment advisor to withdraw City funds for the purposes of investing those funds according to the City's general investment policy. The Finance Director/Treasurer or Deputy Treasurer is authorized to sell any City investments. The sale of any City investments shall be electronically deposited only into an existing City account. Documentation of investment transactions shall be maintained by the Finance Department.

Positive Pay

Positive pay is a fraud prevention feature in which the Finance Department uploads check information to the bank prior to checks being released in order for the bank to verify the check information when the check is presented for payment. When a suspect item is identified by the bank, the bank will notify the City of a suspicious item via email. The Finance Department will review the item on-line, determine whether the check should be paid or rejected, and instruct the bank on how to process the item using the bank's on-line process.

The Senior Accountant, Assistant Finance Director, or Finance Director/Treasurer will be responsible for uploading the check information to the bank. The Senior Accountant, Assistant Finance Director, or Finance Director/Treasurer will be responsible for reviewing any suspicious items sent by the bank, determining the proper disposition of the item, and notifying the bank of the City's decision.

The Finance Director/Treasurer, Assistant Finance Director, or Senior Accountant are authorized to electronically add or delete payroll or accounts payable checks from the positive pay file at the bank for manual checks, reissued checks, or voided checks that are not uploaded through the normal payroll or accounts payable check upload process.

Stop Payments

Stopping a payment may be necessary due to checks sent to the wrong address, lost checks, wrong vendor, or wrong amount. The Finance Director/Treasurer, Assistant Finance Director, or Senior Accountant shall be authorized to stop and void a payment in the positive pay file with the bank after first determining that the check has not been cashed. Re-issuance of checks will follow the normal check processing procedures.

Electronic Receipts

The City receives ACH, lockbox and credit card payments from customers on a daily basis. Treasury staff is responsible for importing payment information into the City's cash receipt system, balancing the batch totals to the bank, and posting the payments to the general ledger.



MEMORANDUM

Engineering Department
Planning Department
Police Department

DATE: May 23, 2018

TO: Joseph A. Valentine, City Manager

FROM: Lauren Chapman, Assistant Planner

APPROVED BY: Jana L. Ecker, Planning Director
Commander Scott Grewe, Police Department
Paul O'Meara, City Engineer

SUBJECT: Crosswalk Pavement Markings - Material Options

Over the past year, the Multi-Modal Transportation Board studied material options for crosswalk markings. Staff has conducted research, surveyed other cities, talked to contractors and suppliers and conducted inspections in the field of different marking options. Paint, thermoplastic, polyurea, and HPS-8 were studied. After extensive discussion, on January 4, 2018, the Multi-Modal Transportation Board voted to use polyurea on all major concrete streets and HPS-8 on all major asphalt streets within the Central Business District, Triangle District, Rail District; and waterborne paint on all other streets. Depending on visibility needs and average daily traffic, polyurea or HPS-8 may be used for crosswalks adjacent to schools.

Some cities use tape. Two advantages about tape are that the bars of crosswalks are clean and uniform and are relatively durable (average lifespan of 4 years). However, the material also has disadvantages: the cost is higher than liquid materials, the application process is very exacting and can be done improperly, the material wears unevenly, and when striping needs to be reapplied existing markings must be removed increasing the cost. Due to the disadvantages of tape, it is not recommended for consideration.

Currently the City spends \$12,320 on waterborne paint crosswalks annually. The amount spent on crosswalks would change regardless of whether there is a change in the material because the dimensions of the crosswalks are changing. **The change in the crosswalk design will be a gradual transition as changes are proposed to implemented for newly repaved roads.** Retrofitting crosswalks would require existing crosswalks be removed and the installation of new curbs and ramps. This would be cost prohibitive. The estimated cost of retrofitting all crosswalks is \$1,747,488. The calculation is explained in attached spreadsheets.

The basis for the cost of pavement striping is determined by the number of linear feet that are striped not the number of markings. The cost per linear foot depends on the number of linear feet that are ordered (for instance the price per linear foot is different if 10 linear feet were

ordered or 10,000 were ordered). The calculations below are based on 2,240 linear feet. In order to make things understandable a cost per crosswalk was derived from the quoted cost divided by the total number of crosswalks (398). The vast majority of existing crosswalks (84%) do not conform to the newly adopted standards either in type or by length of bars. The amount in the total cost of crosswalks column assumes that 100% of the crosswalks are painted with the same materials. This is not anticipated to be the case for two reasons; some of the different materials are more conducive for some pavement types than for others and the different areas may warrant more visibility than other areas.

Material	Price per linear foot, 24" crosswalk	Price per crosswalk	Frequency of repainting	Total Cost of crosswalks	Total Cost of crosswalks over 10 years
HPS-8	\$9.15	\$51.50	Every 8 years	\$20,496	\$40,992 (2 applications)
Polyurea	\$8.00	\$45.03	Every 4 years	\$17,920	\$53,760 (3 applications)
Thermoplastic	\$13.55	\$50.65	Every 4 years	\$20,160	\$60,480 (3 applications)
Waterborne paint	\$5.50	\$30.96	Once a year*	\$12,320	\$123,200 (10 applications)

* - Crosswalks Downtown are painted twice a year

Please see attached memos and documents that the Multi-Modal Transportation Board reviewed during their discussion on crosswalk marking material.

SUGGESTED ACTION:

To approve the following materials as recommended by the Multi-Modal Transportation Board on January 4, 2018: Polyurea on all major concrete streets and HPS-8 on all major asphalt streets within the Central Business District, Triangle District, Rail District, and waterborne paint on all other streets. Depending on visibility needs and average daily traffic, polyurea or HPS-8 may be used for crosswalks adjacent to schools.

Number	Street Name	Intersection	Type	Street Width	Classification	Proposed Crosswalk Length	Notes
1	14 Mile Rd	Pierce	Zebra	61	All other locations	6	
2		Pierce	Zebra	71	All other locations	6	
3		Woodward	Continental	89	All other locations	6	
4		Woodward	Continental	73	All other locations	6	
5		Greenfield	Standard	46	All other locations	6	
6		S Eton	Standard	62	All other locations	6	
7		S Eton	Standard	60	All other locations	6	
8		Southfield	Standard	72	All other locations	6	
9	N Adams	E Maple	Zebra	62	Triangle- Major Street	12 to 14	
10		Derby/Mohegan	Continental	46	All other locations	6	
11		Derby/Mohegan	Continental	49	All other locations	6	
12		Buckingham	Zebra	42	School- Local Street	8	
13	S Adams	E Maple	Zebra	62	Triangle- Major Street	12 to 14	
14		Bowers	Continental	40	Triangle- Major Street	12 to 14	
15		Bowers	Continental	41	Triangle- Major Street	12 to 14	
16		Hazel	Zebra	46	Triangle- Major Street	12 to 14	
17		E Lincoln	Zebra	50	Triangle- Major Street	12 to 14	
18		E Lincoln	Zebra	50	Triangle- Major Street	12 to 14	
19		Ruffner	Zebra	50	Triangle- Major Street	12 to 14	
20		Webster	Continental	42	Triangle- Major Street	12 to 14	
21		Webster	Continental	40	Triangle- Major Street	12 to 14	
22	Bates	Brown	Continental	42	All other locations	6	
23		Brown	Continental	38	All other locations	6	
24		Martin	Continental	26	CBD- Local Street	8	
25		Martin	Continental	26	CBD- Local Street	8	
26		W. Maple	Continental	50	CBD- Local Street	8	
27		W. Maple	Zebra	46	CBD- Local Street	8	
28		Merrill	Continental	28	CBD- Local Street	8	
29		Merrill	Continental	28	CBD- Local Street	8	
30		Townsend	Continental	34	CBD- Local Street	8	
31		Townsend	Continental	34	CBD- Local Street	8	
32		Willits	Zebra	51	CBD- Local Street	8	

33		Willits	Zebra	51	CBD- Local Street	8	
34	Bird	Edgewood	Zebra	35	School- Local Street	8	
35		Edgewood	Zebra	35	School- Local Street	8	
36		Grant	Standard	33	All other locations	6	
37		Grant	Standard	35	All other locations	6	
38		Pierce	Zebra	48	School- Local Street	8	
39	Bowers	At 1600 Block	Standard	28	All other locations	6	
40		At Post Office	Standard	28	All other locations	6	
41		S Adams	Zebra	45	Triangle- Local Street	8	
42		S Adams	Continental	36	Triangle- Local Street	8	
43		S . Old Woodward	Zebra	41	CBD- Local Street	8	
44		Woodward	Continental	39	CBD- Local Street	8	
45		Woodward	Standard	39	All other locations	6	
46	Bradford	Melton	Standard	30	All other locations	6	
47	Brown	At Alley	Continental	38	CBD- Major Street	12 to 14	
48		Bates	Continental	37	All other locations	6	
49		Bates	Continental	37	All other locations	6	
50		Chester	Continental	44	All other locations	6	
51		Chester	Continental	40	All other locations	6	
52		Henrietta	Continental	38	CBD- Major Street	12 to 14	
53		Henrietta	Continental	40	CBD- Major Street	12 to 14	
54		S. Old Woodward	Zebra	55	CBD- Major Street	12 to 14	
55		S. Old Woodward	Zebra	55	CBD- Major Street	12 to 14	
56		Peabody	Continental	44	CBD- Major Street	12 to 14	
57		Peabody	Continental	38	CBD- Major Street	12 to 14	
58		Pierce	Continental	36	CBD- Major Street	12 to 14	
59		Pierce	Continental	50	CBD- Major Street	12 to 14	
60		Southfield	Continental	60	All other locations	6	
61		Woodward	Continental	42	CBD- Major Street	12 to 14	
62	Buckingham	N Adams	Zebra	42	School- Local Street	8	
63		Brown	Zebra	34	All other locations	6	
64		Brown	Continental	58	All other locations	6	
65		W. Maple	Zebra	40	CBD- Local Street	8	
66		W. Maple	Continental	42	CBD- Local Street	8	

67	Chester	Martin	Continental	40	CBD- Local Street	8	
68		Martin	Continental	33	CBD- Local Street	8	
69		Merrill	Ladder	60	All other locations	6	
70		Merrill	Ladder	57	All other locations	6	
71		Townsend	Ladder	64	All other locations	6	
72		Townsend	Ladder	64	All other locations	6	
73	Chesterfield	W. Maple	Continental	52	All other locations	6	At church may warrant School-Local stnd
74		Oak	Continental	34	School- Local Street	8	
75		Oak	Continental	30	School- Local Street	8	
76	Chestnut	Elm	Continental	30	Triangle- Local Street	8	
77		Woodward	Continental	28	Triangle- Local Street	8	
78	Cranbrook	W. Maple	Standard	56	All other locations	6	
79		Midvale	Ladder	49	School- Local Street	8	
80	Daines	S. Old Woodward	Zebra	24	CBD- Local Street	8	
81	Derby	N. Adams	Continental	35	School- Local Street	8	
82	Dunstable	Melton	Standard	38	School- Local Street	8	
83	Edgewood	Bird	Zebra	35	School- Local Street	8	
84		Bird	Zebra	35	School- Local Street	8	
85		E. Southlawn	Zebra	30	School- Local Street	8	
86		E. Southlawn	Zebra	30	School- Local Street	8	
87		Smith	Zebra	35	School- Local Street	8	
88	Elm	Bowers	Zebra	54	Triangle- Local Street	8	
89		Bowers	Continental	44	Triangle- Local Street	8	
90		E. Maple	Zebra	36	Triangle- Local Street	8	
91		Woodward	Zebra	37	Triangle- Local Street	8	
92	S Eton	14 Mile	Continental	30	All other locations	6	
93		Bowers	Continental	44	Rail- Major Street	12 to 14	
94		Bowers	Continental	44	Rail- Major Street	12 to 14	
95		Cole	Continental	48	Rail- Major Street	12 to 14	
96		Cole	Continental	48	Rail- Major Street	12 to 14	
97		Hazel	Continental	38	Rail- Major Street	12 to 14	
98		Holland	Continental	54	Rail- Major Street	12 to 14	
99		Holland	Continental	54	Rail- Major Street	12 to 14	
100		E Lincoln	Zebra	40	All other locations	6	

101		E Lincoln	Zebra	40	Rail- Major Street	12 to 14	
102		E. Maple	Zebra	82	Rail- Major Street	12 to 14	
103		Melton	Standard	60	All other locations	6	
104		Sheffield	Standard	45	All other locations	6	
105		Sheffield	Standard	45	All other locations	6	
106		Villa	Continental	44	Rail- Major Street	12 to 14	
107		Villa	Continental	44	Rail- Major Street	12 to 14	
108	Euclid	N. Old Woodward	Zebra	36	CBD- Local Street	8	
109	Ferndale	Hamilton	Zebra	31	CBD- Local Street	8	
110		Oakland	Zebra	35	CBD- Local Street	8	
111		Oakland	Zebra	35	CBD- Local Street	8	
112		At Parking Deck	Zebra	23	CBD- Local Street	8	
113	Forest	Elm	Continental	29	Triangle- Local Street	8	
114		Wooward	Continental	30	Triangle- Local Street	8	
115	Frank	S. Old Woodward	Continental	38	CBD- Local Street	8	At park may warrant School-Local stnd
116		Pierce	Continental	27	All other locations	6	
117		Purdy	Continental	28	All other locations	6	
118		Purdy	Continental	28	All other locations	6	
119	Glenhurst	W. Lincoln	Continental	28	All other locations	6	
120		Midvale	Standard	29	All other locations	6	
121		Oak	Zebra	29	School- Local Street	8	
122		Oak	Zebra	29	School- Local Street	8	
123	Golfview	Midvale	Standard	26	School- Local Street	8	
124		W. Lincoln	Continental	24	School- Local Street	8	
125	Grant	Bird	Standard	40	All other locations	6	
126		Bird	Standard	40	All other locations	6	
127		Humphrey	Standard	37	All other locations	6	At park may warrant School-Local stnd
128	Greenwood	Harmon	Standard	37	School- Local Street	8	
129		Harmon	Standard	31	School- Local Street	8	
130		Vinewood	Standard	32	All other locations	6	
131		Vinewood	Standard	30	All other locations	6	
132	George	Clark	Continental	25	All other locations	6	At park may warrant School-Local stnd
133		Clark	Continental	25	All other locations	6	
134		Pierce	Continental	25	All other locations	6	

135		S. Old Woodward	Continental	22	CBD- Local Street	8	
136	Hamilton	Ferndale	Continental	42	CBD- Local Street	8	
137		N. Old Woodward	Continental	36	CBD- Local Street	8	
138		Park	Continental	48	CBD- Local Street	8	
139		Park	Continental	48	CBD- Local Street	8	
140		Woodward	Continental	38	CBD- Local Street	8	
141	Harmon	Greenwood	Standard	31	School- Local Street	8	
142		Greenwood	Standard	31	School- Local Street	8	
143		N. Old Woodward	Zebra	43	CBD- Local Street	8	
144		Woodland	Standard	31	School- Local Street	8	
145		Woodland	Standard	31	School- Local Street	8	
146	Haynes	S Adams	Zebra	43	Triangle- Local Street	8	
147		S. Old Woodward	Zebra	43	CBD- Local Street	8	
148		Torry	Standard	38	All other locations	6	
149		Woodward	Zebra	42	Triangle- Local Street	8	
150	Hazel	S. Old Woodward	Zebra	45	CBD- Local Street	8	
151	Henrietta	Brown	Continental	37	CBD- Local Street	8	
152		Brown	Continental	38	CBD- Local Street	8	
153		W. Maple	Continental	24	CBD- Local Street	8	
154		Martin	Continental	28	CBD- Local Street	8	
155		Martin	Continental	28	CBD- Local Street	8	
156		Merrill	Continental	24	CBD- Local Street	8	
157		Merrill	Continental	24	CBD- Local Street	8	
158		Townsend	Continental	38	CBD- Local Street	8	
159		Townsend	Continental	38	CBD- Local Street	8	
160	Humphrey	Grant	Standard	39	All other locations	6	At park may warrant School-Local stnd
161		Torry	Standard	32	School - Local Street	8	
162		Torry	Standard	32	School - Local Street	8	
163	Lake Park	W. Maple	Zebra	26	All other locations	6	
164	Landon	Elm	Zebra	37	CBD- Local Street	8	
165		Ann	Continental	28	All other locations	6	
166		Cedar	Continental	36	All other locations	6	
167		S. Eton	Zebra	37	Rail - Major Street	12 to 14	
168		S. Eton	Zebra	37	Rail - Major Street	12 to 14	

169	E Lincoln	Floyd	Continental	13	All other locations	6	At YMCA may want to use School-Local std
170		Floyd	Continental	13	All other locations	6	
171		Grant	Continental	27	All other locations	6	
172		Pierce	Continental	24	All other locations	6	
173		Pierce	Continental	26	All other locations	6	
174		Taunton	Continental	38	School - Major Street	12 to 14	
175		Taunton	Continental	38	School - Major Street	12 to 14	
176		At Our Shepherd	Continental	36	School - Major Street	12 to 14	
177		S. Adams	Zebra	50	Triangle - Major Street	12 to 14	
178		S. Adams	Zebra	50	Triangle - Major Street	12 to 14	
179		Torry	Continental	36	School - Major Street	12 to 14	
180		Torry	Continental	36	School - Major Street	12 to 14	
181		Woodward	Continental	50	CBD- Major Street	12 to 14	
182		Woodward	Continental	54	CBD- Major Street	12 to 14	
183	W Lincoln	S. Bates	Continental	29	All other locations	6	
184		S. Bates	Continental	30	All other locations	6	
185		Chester	Continental	14	All other locations	6	
186		Golfview	Continental	19	School - Major Street	8	
187		Golfview	Continental	19	School - Major Street	8	
188		S. Glenhurst	Continental	18	All other locations	6	
189		S. Glenhurst	Continental	18	All other locations	6	
190		Larchlea	Continental	16	All other locations	6	
191		Larchlea	Continental	16	All other locations	6	
192		Pleasant	Continental	21	All other locations	6	
193		Pleasant	Continental	21	All other locations	6	
194		Pleasant	Continental	21	All other locations	6	
195		Pleasant	Continental	21	All other locations	6	
196		Shirley	Continental	36	All other locations	6	
197		Southfield	Zebra	52	All other locations	6	
198		Southfield	Zebra	52	All other locations	6	
199		Washington	Continental	14	All other locations	6	
200		Watkins/Maryland	Continental	28	All other locations	6	
201		Watkins/Maryland	Continental	28	All other locations	6	
202		Westchester	Continental	18	All other locations	6	At park may warrant School Local std

203		Westchester	Continental	18	All other locations	6	At park may warrant School-Local stnd
204	E Maple	N. Adams	Zebra	82	Triangle- Major Street	12 to 14	
205		S. Adams	Zebra	82	Triangle- Major Street	12 to 14	
206		Elm	Zebra	52	Triangle- Major Street	12 to 14	
207		Elm	Zebra	52	Triangle- Major Street	12 to 14	
208		S. Eton	Continental	60	Rail- Major Street	12 to 14	
209		S. Eton	Zebra	48	Rail- Major Street	12 to 14	
210		Peabody	Zebra	45	CBD- Major Street	12 to 14	
211		Old Woodward	Zebra	70	CBD- Major Street	12 to 14	
212		Old Woodward	Zebra	70	CBD- Major Street	12 to 14	
213		Woodward	Standard	60	CBD- Major Street	12 to 14	
214		Woodward	Standard	52	CBD- Major Street	12 to 14	
215	W Maple	S. Bates	Continental	48	CBD- Major Street	12 to 14	
216		S. Bates	Continental	48	CBD- Major Street	12 to 14	
217		Chester	Continental	50	CBD- Major Street	12 to 14	
218		Chester	Continental	40	CBD- Major Street	12 to 14	
219		Chesterfield	Continental	46	All other locations	6	At church may warrant School-Local stnd
220		Chesterfield	Continental	47	All other locations	6	
221		Cranbrook	Standard	76	All other locations	6	
222		Henrietta	Continental	40	CBD- Major Street	12 to 14	
223		Henrietta	Continental	40	CBD- Major Street	12 to 14	
224		Lake Park	Continental	46	All other locations	6	
225		Pierce	Continental	42	CBD- Major Street	12 to 14	
226		Southfield	Continental	50	CBD- Major Street	12 to 14	
227	Martin	Bates	Continental	28	CBD- Local Street	8	
228		Bates	Continental	28	CBD- Local Street	8	
229		Chester	Continental	34	CBD- Local Street	8	
230		Chester	Continental	36	CBD- Local Street	8	
231		Henrietta	Continental	25	CBD- Local Street	8	
232		Henrietta	Continental	25	CBD- Local Street	8	
233		Pierce	Continental	31	CBD- Local Street	8	
234		Southfield	Zebra	39	CBD- Local Street	8	
235	Melton	14 Mile	Continental	30	All Other Locations	6	
236		Bradford	Standard	30	School-Local Street	8	

237		S. Eton	Standard	45	All Other Locations	6	
238	Merrill	Bates	Continental	31	CBD- Local Street	8	
239		Bates	Continental	31	CBD- Local Street	8	
240		Chester	Zebra	43	CBD- Local Street	8	
241		Chester	Zebra	45	CBD- Local Street	8	
242		Henrietta	Continental	24	CBD- Local Street	8	
243		Henrietta	Continental	24	CBD- Local Street	8	
244		S. Old Woodward	Continental	39	CBD- Local Street	8	
245		Pierce	Continental	37	CBD- Local Street	8	
246		Pierce	Continental	31	CBD- Local Street	8	
247		Southfield	Zebra	45	CBD- Local Street	8	
248	Midvale	Cranbrook	Zebra	28	School- Local Street	8	
249		Golfview	Standard	25	School- Local Street	8	
250		S. Glenhurst	Standard	25	School- Local Street	8	
251	Oak	Chesterfield	Continental	34	School- Local Street	8	
252		Chesterfield	Continental	34	School- Local Street	8	
253		Glenhurst	Zebra	52	School- Local Street	8	
254		Glenhurst	Zebra	51	School- Local Street	8	
255		Lake Park	Continental	17	All other locations	6	
256		Lake Park	Continental	17	All other locations	6	
257		N. Old Woodward	Zebra	52	All other locations	6	
258		N. Old Woodward	Standard	45	All other locations	6	
259		N. Old Woodward	Continental	58	All other locations	6	
260	Oakland	Ferndale	Zebra	28	CBD- Major Street	12 to 14	
261		Ferndale	Zebra	28	CBD- Major Street	12 to 14	
262		Ferndale	Zebra	28	CBD- Major Street	12 to 14	
263		Ferndale	Zebra	28	CBD- Major Street	12 to 14	
264		N. Old Woodward	Zebra	78	CBD- Major Street	12 to 14	
265		Park	Zebra	28	CBD- Major Street	12 to 14	
266		Park	Zebra	30	CBD- Major Street	12 to 14	
267		Park	Zebra	40	CBD- Major Street	12 to 14	
268		Park	Zebra	34	CBD- Major Street	12 to 14	
269		Poppleton	Continental	24	All other locations	6	
270		Woodward	Standard	30	CBD- Major Street	12 to 14	

271		Woodward	Standard	30	CBD- Major Street	12 to 14	
272		N. Worth	Continental	38	School - Major Street	12 to 14	
273	N Old Woodward	Oak	Zebra	78	CBD- Major Street	12 to 14	
274		Oak	Continental	48	CBD- Major Street	12 to 14	
275		Vinewood	Zebra	33	CBD- Major Street	12 to 14	
276		Harmon	Zebra	75	CBD- Major Street	12 to 14	
277		Oakland	Zebra	78	CBD- Major Street	12 to 14	
278		Oakland	Zebra	78	CBD- Major Street	12 to 14	
279		Hamilton	Zebra	72	CBD- Major Street	12 to 14	
280		Hamilton	Zebra	72	CBD- Major Street	12 to 14	
281	S Old Woodward	Bowers	Zebra	75	CBD- Major Street	12 to 14	
282		Brown	Zebra	83	CBD- Major Street	12 to 14	
283		Brown	Zebra	78	CBD- Major Street	12 to 14	
284		Daines	Zebra	74	CBD- Major Street	12 to 14	
285		Frank	Zebra	75	CBD- Major Street	12 to 14	
286		Haynes	Zebra	75	CBD- Major Street	12 to 14	
287		Lincoln	Continental	20	CBD- Major Street	12 to 14	
288		Maple	Zebra	107	CBD- Major Street	12 to 14	
289		Maple	Zebra	90	CBD- Major Street	12 to 14	
290		Merrill	Continental	50	CBD- Major Street	12 to 14	
291		Merrill	Zebra	50	CBD- Major Street	12 to 14	
292	Park	Hamilton	Continental	40	CBD- Local Street	8	
293		Maple	Zebra	30	CBD- Local Street	8	
294		Oakland	Zebra	30	CBD- Local Street	8	
295		Oakland	Zebra	30	CBD- Local Street	8	
296	Peabody	Brown	Zebra	31	CBD- Local Street	8	
297		E. Maple	Zebra	54	CBD- Local Street	8	
298		14 Mile	Zebra	46	All Other Locations	6	
299		At School	Ladder	27	School-Local Street	8	
300		Brown	Continental	48	CBD- Local Street	8	
301		Brown	Continental	40	CBD- Local Street	8	
302		Frank	Continental	28	All Other Locations	6	At park may warrant School-Local stnd
303		Lincoln	Continental	24	All Other Locations	6	
304		Lincoln	Continental	24	All Other Locations	6	

305	Pierce	W. Maple	Continental	38	CBD- Local Street	8	
306		Martin	Continental	32	CBD- Local Street	8	
307		Martin	Continental	32	CBD- Local Street	8	
308		Merrill	Continental	46	CBD- Local Street	8	
309		Merrill	Continental	40	CBD- Local Street	8	
310		Southlawn	Continental	28	School-Local Street	8	
311		Southlawn	Continental	28	School-Local Street	8	
312		Townsend	Zebra	42	CBD- Local Street	8	
313	Poppleton	Oakland	Continental	31	All Other Locations	6	
314		E. Maple	Zebra	36	All Other Locations	6	
315	Purdy	Brown	Continental	28	CBD- Local Street	8	At park may warrant School-Local stnd
316		Frank	Continental	25	All other locations	6	
317		Frank	Continental	25	All other locations	6	
318	Ravine	N. Old Woodward	Zebra	35	CBD- Local Street	8	
319	Ruffner	Adams	Zebra	31	Triangle - Local Street	8	
320		Torry	Standard	27	School- Local Street	8	
321	Saxon	Southfield	Standard	50	All Other Locations	6	
322	Sheffield	S. Eton	Standard	42	All Other Locations	6	
323		S. Eton	Standard	38	All Other Locations	6	
324		Melton	Standard	32	All Other Locations	6	
325	Smith	Edgewood	Zebra	51	School- Local Street	8	
326	Southfield	14 Mile	Zebra	51	All Other Locations	6	
327		Brown	Continental	40	All Other Locations	6	
328		W. Lincoln	Zebra	52	All Other Locations	6	
329		W. Lincoln	Zebra	30	All Other Locations	6	
330		W. Maple	Continental	25	CBD- Major Street	12 to 14	
331		W. Maple	Continental	54	CBD- Major Street	12 to 14	
332		Martin	Zebra	27	All Other Locations	6	
333		Norfolk	Zebra	24	All Other Locations	6	At park may warrant School-Local stnd
334		Northlawn	Zebra	28	All Other Locations	6	
335		Northlawn	Zebra	32	All Other Locations	6	
336		Wallace	Zebra	23	All Other Locations	6	At park may warrant School-Local stnd
337		Worthington	Zebra	27	All Other Locations	6	At park may warrant School-Local stnd
338		Edgewood	Zebra	35	School- Local Street	8	

339	Southlawn	Edgewood	Zebra	35	School- Local Street	8	
340		Pierce	Continental	27	School- Local Street	8	
341		Pierce	Zebra	30	School- Local Street	8	
342	Taunton	E. Lincoln	Standard	31	School- Local Street	8	
343	Torry	Humphrey	Standard	28	School- Local Street	8	
344		Humphrey	Standard	28	School- Local Street	8	
345		Lincoln	Continental	36	School- Local Street	8	
346		Lincoln	Continental	34	School- Local Street	8	
347		Ruffner	Standard	35	School- Local Street	8	
348	Townsend	Bates	Continental	35	CBD- Local Street	8	
349		Bates	Continental	35	CBD- Local Street	8	
350		Chester	Zebra	50	CBD- Local Street	8	
351		Chester	Zebra	50	CBD- Local Street	8	
352		Henrietta	Continental	30	CBD- Local Street	8	
353		Henrietta	Continental	30	CBD- Local Street	8	
354		Pierce	Zebra	38	CBD- Local Street	8	
355		Southfield	Zebra	50	All Other Locations	6	
356	Vinewood	Greenwood	Standard	31	All Other Locations	6	
357		Greenwood	Standard	32	All Other Locations	6	
358		N. Old Woodward	Zebra	35	All Other Locations	6	
359		Woodland	Standard	40	All Other Locations	6	
360		Woodland	Standard	35	All Other Locations	6	
361	Webster	S. Adams	Continental	36	Triangle - Local Street	8	
362		Worth	Zebra	56	Triangle - Local Street	8	
363		Worth	Zebra	56	Triangle - Local Street	8	
364	Westboro	N. Adams	Continental	38	All Other Locations	6	
365	Willits	Bates	Zebra	45	CBD- Local Street	8	
366		Bates	Zebra	42	CBD- Local Street	8	
367		N. Old Woodward	Zebra	54	CBD- Local Street	8	
368	Woodland	Harmon	Standard	32	School- Local Street	8	
369		Vinewood	Standard	35	All Other Locations	6	
370		Vinewood	Standard	32	All Other Locations	6	
371		14 Mile	Continental	55	All Other Locations	6	
372		14 Mile	Continental	84	All Other Locations	6	

373	Woodward	At 33500 Block	Standard	46	All Other Locations	6	
374		At 33500 Block	Standard	45	All Other Locations	6	
375		Bowers	Standard	75	Triangle- Major Street	12 to 14	
376		Bowers	Standard	65	Triangle- Major Street	12 to 14	
377		Bowers	Standard	55	CBD- Major Street	12 to 14	
378		Bowers	Standard	70	CBD- Major Street	12 to 14	
379		Brown	Standard	52	CBD- Major Street	12 to 14	
380		Forest	Standard	54	Triangle- Major Street	12 to 14	
381		Forest	Standard	54	CBD- Major Street	12 to 14	
382		Lincoln	Continental	70	All Other Locations	6	
383		Lincoln	Continental	64	All Other Locations	6	
384		Lincoln	Continental	60	CBD- Major Street	12 to 14	
385		Lincoln	Continental	70	Triangle - Major Street	12 to 14	
386		Maple	Standard	58	CBD- Major Street	12 to 14	
387		Maple	Standard	58	CBD- Major Street	12 to 14	
388		Maple	Standard	50	CBD- Major Street	12 to 14	
389		Maple	Standard	50	CBD- Major Street	12 to 14	
390		Oakland	Standard	58	All Other Locations	6	
391		Oakland	Standard	62	All Other Locations	6	Will be shortened to 47
392	N. Worth	Madison	Continental	35	School- Local Street	8	
393		Oakland	Continental	28	School- Local Street	8	
394		Oakland	Continental	28	School- Local Street	8	
395		Ridgedale	Continental	26	School- Local Street	8	
396	S. Worth	Webster	Zebra	47	Triangle- Local Street	8	
397		Webster	Zebra	48	Triangle- Local Street	8	
398		Haynes	Zebra	41	Triangle- Local Street	8	
	335/398	84% of the existing crosswalks do not meet the new standards (type and/or length).					
	353/398	89% Including some locations near parks and churches.					
	130/398	27% (includes notes) -33% will not require a new curb					130 crosswalks at \$1,309 = \$173,291
	161/398	41% of the existing crosswalks will need a slight change to the curbs					161 crosswalks at \$5,317 = \$856,037
	94/398	24% of the existing crosswalks would need a big change to the curbs					94 crosswalks at \$7,640 = \$718,160
							\$1,747,488

		Average cost			
	No change to curbs (6 ft proposed length)	Pavement Marking Removal	76 ft. x \$2.50=	\$190	
		HPS 8 or Polyurea 24 in crosswalk bars	114 ft. X \$8.58 =	\$978	
		+ 15% contingency		\$175	
		Total per crosswalk=		\$1,343	
		129 crosswalks at \$1,343 ea =		\$173,291	
		Average Cost			
	Slight change to curbs (8 ft proposed length)	Sidewalk Removal & Replacement	180 sq.ft. x \$6.25 =	\$1,125	
		Curb & Gutter Removal & Replacement	30 ft. x \$35 =	\$1,050	
		Handicap Dome Plates	32 sq.ft. x \$40 =	\$1,280	
		Pavement Marking Removal	76 ft. x \$2.50 =	\$190	
		HPS or Polyurea 24 in crosswalk bars	114 ft. X \$8.58 =	\$978	
		+15% Contingency		\$693	
		Total per crosswalk		\$5,317	
		161 crosswalks at \$5,317 =		\$856,037	
		Average Cost			
	Big change to curbs (12-14 ft proposed length)	Sidewalk Removal & Replacement	180 sq.ft. x \$6.25 =	\$1,125	
		Curb & Gutter Removal & Replacement	30 ft. x \$35 =	\$1,050	
		Handicap Dome Plates	60 sq.ft. x \$40 =	\$2,400	
		Pavement Marking Removal	100 ft. x \$2.50 =	\$250	
		HPS 8 or Polyurea 24 in crosswalk bars	150 ft. X \$8.58 =	\$1,287	
		+25% Contingency		\$1,528	
		Total per crosswalk		\$7,640	
		94 crosswalks at \$7,640 =		\$718,160	



MEMORANDUM

Engineering Department
Planning Department
Police Department

DATE: December 1, 2017

TO: Multi-Modal Transportation Board

FROM: Lauren Chapman, Assistant Planner

APPROVED: Jana L. Ecker, Planning Director
Commander Scott Grewe, Police Department
Paul O'Meara, City Engineer

SUBJECT: Crosswalk Pavement Markings - Material Options

At the February 27, 2017 meeting the City Commission voted to adopt the following standard policy for the design of all future crosswalk pavement markings in the City of Birmingham:

All new painted crosswalks installed shall be of the continental style, as outlined on MDOT Detail Sheet PAVE-945-C, Sheet 3 of 3, with the exception that all painted bars shall be 24 inches wide spaced as close to 24 inches apart as possible. Crosswalk widths shall be installed as follows:

On Major Streets within the Central Business District, Triangle District, Rail District, or Adjacent to Schools:

- Total width of the crosswalk shall be 12 to 14 feet wide. Crosswalks at the upper width limit may be installed when traffic signals are present.
- The following shall be considered Major Streets (within the specific districts noted) for the purposes of this standard:

Woodward Ave.	Oakland Blvd.
Old Woodward Ave.	Chester St.
Maple Rd.	Brown St.
Southfield Rd.	S. Eton Rd.
Adams Rd.	E. Lincoln Ave.

On Local Streets within the Central Business District, Triangle District, Rail District, or Adjacent to Schools:

- Total width of the crosswalk shall be 8 feet wide, unless the adjacent sidewalk main walking path is wider, at which point it shall be widened to match the main walking path width.

At All Other Locations:

- Total width of the crosswalk shall be 6 feet wide.

Over the next several months the MMTB began discussing pavement marking material choices. After much discussion, at the September 9th 2017 meeting the Multi-Modal Transportation Board (MMTB) recommended:

"To use paint on all non-major street crosswalks. Use paint on all major streets that are not going to be completely re-built; but when those major street crosswalks are being re-paved and re-built all markings will be grooved and filled with thermoplastic. Re-evaluate annually with the thermoplastics that are applied to make sure they are truly living up to their suggested retail life span."

This memo is intended to inform the board of the further research that has been conducted by City staff during attempts to find a specification for the new thermoplastic standard to be used in bidding documents.

Overview

Staff from the Planning and Police Departments contacted a variety of contractors and product manufacturers and visited the City of Ann Arbor. These actions provided further insight on the previously recommended material and other pavement marking material options. Further research was conducted into paint, thermoplastic, polyurea and a newer material, HPS-8. Numerous contractors, a manufacturer, and the City of Ann Arbor all found HPS-8 to be a superior product and stated that thermoplastic does not bind well to concrete and that polyurea is a dependable material for both asphalt and concrete surfaces. Polyurea was the top choice of the MMTB originally but the board selected thermoplastic because polyurea was more expensive. However, further research has found that the cost differential between polyurea and thermoplastic was based on outdated information and that the two materials are much more similar in cost than originally reported.

Paint Pavement Marking



Paint pavement marking is the most widely used material in pavement markings in Canada and the United States.

Waterborne paints are favored over solvent based paints because they are environmentally friendly, and lack heavy metals and volatile organic compounds without affecting the service life. Moreover, waterborne paints don't have a strong solvent odor that may induce respiratory complaints from users.

Advantages and Disadvantages of Paints Pavement Marking: One of the major advantages of paint markings is that they are significantly cheaper than any other method; however, they can be worn away rapidly on high volume roadways, and consequently these roadways need to be restriped more than once a year.

Thermoplastic Pavement Marking

Thermoplastics are similar to paint, and applied as a liquid, but they require higher application temperature to create the liquid state. Thermoplastic markings are installed in a molten state using either an extrusion or spraying method.

Pavement surface condition is an important factor that affects thermoplastic application because old pavement may not provide a sufficient chemical bond between asphalt and the thermoplastic marking material. Thermoplastics provide excellent performance when applied properly. The service life of thermoplastic marking paints normally ranges between forty eight months and eighty four months depending on different factors including application procedures, pavement type, traffic volume, snowplow activity and atmospheric conditions when placed.



Advantages of Alkyd-based Thermoplastic

Thermoplastic has demonstrated a long service life on all traffic volume roads (low, medium, and high). They also have a high retroreflectivity level without using glass beads. In addition, thermoplastics can be applied in all weathering conditions. Finally, thermoplastic pavement markings have a very strong bond on asphalt surfaces.

Disadvantages of Alkyd-based Thermoplastic

Thermoplastics are considered the most sensitive to surface preparation and atmospheric conditions during application. Concrete road surfaces need coating with an epoxy primer before thermoplastic markings are installed. A study by the Florida Department of Transportation wrote "Thermoplastic markings are known to have poor adhesion on concrete surfaces. They lose their bond with the concrete and tend to flake off. Failure has been observed within six to eight months. The markings



appear to hold better on asphalt surfaces [...] Overall, thermoplastics performed better on asphalt than on concrete.”

Polyurea Pavement Marking

Manufacturers have reported that polyurea has a service life of up to five years, but actual observed applications have a typical lifespan of three to four years. Polyurea markings are a sprayed, two-component durable pavement marking material. Various formulations of polyurea markings exist on the market. Polyurea pavement markings are used by the Michigan Department of Transportation (MDOT).

Advantages of Polyurea

Polyurea materials are marketed as durable pavement markings that provide exceptional color stability, resistance to abrasion, and adhesion to all pavement surfaces. Polyurea markings appear to be less sensitive to pavement surface moisture than thermoplastics and can be applied at temperatures as low as freezing. The material is resistant to UV degradation. The material offers some advantages in that it sets within 180 seconds, does not require any beads to be dropped on top of it, it lasts longer, has little waste and limited clean-up, and will harden when the pavement is wet.

Disadvantages of Polyurea Pavement Marking

One of the drawbacks associated with polyurea materials is that some must be applied by a special striping apparatus, which limits the number of contractors available to apply the material. Additionally, new material cannot be applied on top of old material. When polyurea markings need maintenance the material needs to be scraped off and new material applied.

HPS-8 Pavement Marking

HPS-8 is a unique binder material made up of multiple polymers to give it very high durability, long term retroreflectivity, and fast cure, yet can be applied with standard thermoplastic equipment. HPS-8 is applied using the extrude method at thicknesses ranging from 60 to 120 mils.

HPS-8 can be surface applied onto asphalt or concrete roadways or inlaid for longer service life and is engineered for durable long line usage even in extreme conditions. HPS-8 is resistant to snow plow damage and provides superior long life retroreflectivity.



Advantages of HPS-8

Glass beads are intermixed into HPS-8 unlike thermoplastics where the beads are applied over the wet material, and thus result in extended retroreflectivity. A four year warranty is available for durability and retroreflectivity. Formulated for quick dry of <2 minutes at temperatures as low as 50 °F. HPS-8 is described as abrasion resistant and having a comparable durability to thermoplastic. HPS-8 is applied with the standard extrude thermoplastic equipment; hand liner or truck mount.



Disadvantages of HPS-8 Pavement Marking

The material has not been on the market for long so promises of durability have not yet been thoroughly proven.

Cost Considerations

The table below of cost was provided by Ennis-Flint a manufacturer of several pavement marking materials.

Material	Price per LF 4"	Average Life	Cost / Year – LF 4"
Alkyd Thermoplastic	.28	4 Years	.07
Polyurea	.24	4 Years	.06
HPS-8	.68	8 Years	.085

Observations from Ann Arbor

Ann Arbor uses three types of pavement marking materials for crosswalks, thermoplastic, HPS-8 and polyurea. Ann Arbor prefers thermoplastic on asphalt because it is easier to maintain than polyurea. After the initial installation, the city is able to use a different thermoplastic made for maintenance, and spray it on top of the existing markings. When the thermoplastic is layered it actually has better retroreflectivity than it did for initial application. This is because new glass beads are exposed as the material wears down. Ann Arbor prefers to use polyurea on concrete. When polyurea needs to be maintained the old marking needs to be scraped off. Ann Arbor staff said that the process made the material less cost effective on asphalt. Ann Arbor has not always recessed road marking, but is beginning to do that more.

Summary

Crosswalk markings and other transverse markings are required to be retroreflective, but are not subject to minimum levels. Despite not having a required minimum, all of the marking

options that are up for consideration meet the highest minimum level that is required for longitudinal markings (250 mcd/m²/lux).

- **Waterborne Paint**

- Average estimated lifespan: 1 year
- Cheapest option
- Must be reapplied annually

- **Alkyd Thermoplastic**

- Average estimated lifespan: 3-4 years
- Easy reapplication
- Good for asphalt
- Retroreflectivity increases when new material is applied on top of old material
- Not recommended for concrete

- **Polyurea**

- Average estimated lifespan: 4-6 years
- Established material
- Used by MDOT
- Recommended by Ann Arbor for concrete
- Must be scraped off for reapplication

- **HPS-8**

- Average estimated lifespan: 6-8 years
- Newer material
- Works better on asphalt than concrete
- Recommended by contractor and manufacturer
- Recommended by Ann Arbor

Thermoplastic is no longer recommended for major streets uniformly because it drastically underperforms on concrete. Paint continues to be recommended on other streets because it is the cheapest material as far as quotes are concerned. Paint is not recommended on major streets because it needs to be restriped at least once a year.

SUGGESTED RECOMMENDATION:

OPTION 1: Polyurea on all major streets within the Central Business District, Triangle District, Rail District, and waterborne paint on all other streets. Depending on visibility needs and average daily traffic, polyurea may be used for crosswalks adjacent to schools.

OPTION 2: Polyurea on all major concrete streets and alkyd thermoplastic on all major asphalt streets within the Central Business District, Triangle District, Rail District, and waterborne paint on all other streets. Depending on visibility needs and average daily traffic, polyurea or thermoplastic may be used for crosswalks adjacent to schools.

OPTION 3: Polyurea on all major concrete streets and HPS-8 on all major asphalt streets within the Central Business District, Triangle District, Rail District, and waterborne paint on all other streets. Depending on visibility needs and average daily traffic, polyurea or HPS-8 may be used for crosswalks adjacent to schools.

**CITY OF BIRMINGHAM
MULTI-MODAL TRANSPORTATION BOARD
THURSDAY, AUGUST 3, 2017
City Commission Room
151 Martin Street, Birmingham, Michigan**

Minutes of the regular meeting of the City of Birmingham Multi-Modal Transportation Board held Thursday, August 3, 2017.

Chairperson Vionna Adams convened the meeting at 6:04 p.m.

1. ROLL CALL

Present: Chairperson Vionna Adams; Board Members Lara Edwards, Amy Folberg, Vice-Chairperson Johanna Slanga; Alternate Member Katie Schaefer (arrived at 6:10 p.m.)

Absent: Board Members Andy Lawson, Daniel Rontal, Michael Surnow; Alternate Member Daniel Isaksen

Administration: Lauren Chapman, Asst. Planner
Jana Ecker, Planning Director
Austin Fletcher, Asst. City Engineer
Mark Clemence, Police Chief
Paul O'Meara, City Engineer

Also Present: Mike Labadie from Fleis & Vandenbrink ("F&V"), Transportation Engineering Consultants

2. INTRODUCTIONS (none)

3. REVIEW AGENDA (no change)

4. APPROVAL OF MINUTES, MEETING OF July 20, 2017

Motion by Ms. Edwards

Seconded by Ms. Folberg to approve the Minutes of July 20, 2017 as presented.

Motion carried, 4-0.

VOICE VOTE

Yeas: Edwards, Folberg, Adams, Slanga

Nays: None

Absent: Lawson, Rontal, Surnow, Schaefer

VOICE VOTE

Yeas: Slanga, Folberg, Adams, Edwards, Schaefer

Nays: None

Absent: Lawson, Rontal, Surnow

6. CROSSWALK MATERIALS STUDY

Ms. Chapman explained that at the February 27, 2017 meeting the City Commission voted to adopt the following standard policy for the design of all future crosswalk pavement markings in the City of Birmingham:

All new painted crosswalks installed shall be of the continental style, as outlined on MDOT Detail Sheet PAVE-945-C, Sheet 3 of 3, with the exception that all painted bars shall be 24 in. wide spaced as close to 24 in. apart as possible. Crosswalk widths shall be installed as follows:

On Major Streets within the Central Business District, Triangle District, Rail District, or Adjacent to Schools:

- Total width of the crosswalk shall be 12 to 14 ft. wide. Crosswalks at the upper width limit may be installed when traffic signals are present.
- The following shall be considered Major Streets (within the specific districts noted) for the purposes of this standard: Woodward Ave., Old Woodward Ave., Maple Rd., Southfield Rd., Adams Rd., Oakland Blvd., Chester St., Brown St., S. Eton Rd., E. Lincoln Ave.

On Local Streets within the Central Business District, Triangle District, Rail District, or Adjacent to Schools:

- Total width of the crosswalk shall be 8 ft. wide, unless the adjacent sidewalk main walking path is wider, at which point it shall be widened to match the main walking path width.

At All Other Locations:

- Total width of the crosswalk shall be 6 ft. wide.

Pavement markings on roads consist of centerline stripes, lane lines, appropriate striping of no passing zones on two-lane highways, and pavement edge striping. Other pavement markings may supplement the above activities, such as pavement width transitions, approach to obstructions, turn markings, stop and crosswalk lines, and various word and symbol markings. Longitudinal pavement markings are the most widely implemented traffic control devices. A marking material can be selected based upon: durability, workability, drying time or non-track time, accommodation of heavy traffic volumes, and replacement methods considering environmental concerns.

The advantages and disadvantages of various pavement marking materials were discussed.

Ms. Chapman explained polyurea is a plastic that can be sprayed or extruded similar to thermoplastics. Presently, the City uses mostly paint on all streets except major streets where polyurea is recommended. Ms. Ecker clarified that polyurea is also recommended for streets adjacent to schools. She added the City has tried several options in the past and now wants to establish a set standard.

Ms. Slanga observed other cities use thermoplastics which look to be less expensive than polyurea and have longer life on high volume roads along with good night time visibility. It was noted that the recommendation for polyurea came from PK Contracting, the City's current contractor.

Discussion followed and Ms. Ecker summarized that the board would like to know what advantage polyurea has that makes it so much better that it costs so much more. Also, staff will compare polyurea to thermoplastics. She agreed to provide more information for the next meeting. There was consensus that paint is fine for local roads but not around schools.

7. MOPED PARKING POLICY

Chief Clemence reported that the City of Birmingham has recently updated the parking systems for on-street and structure parking. Some people have chosen to drive mopeds and have questioned where such vehicles should be parked. A moped is defined by Michigan law as a two or three wheeled motor vehicle that has a 100cc or smaller engine and a top speed of 30 mph. The City of Birmingham parking structures prohibit motorcycle and moped parking. Some moped drivers have been parking at bike racks in the shopping district. State law and City ordinance prohibits the operation of a motor vehicle on a sidewalk. Furthermore, 257.674 of the Michigan Motor Vehicle Code states the following:

A vehicle shall not be parked, except if necessary to avoid conflict with other traffic or in compliance with the law or the directions of a police officer or traffic-control device, in any of the following places: (a) On a sidewalk.

Staff contacted other cities to determine how they were handling moped parking. Currently the Birmingham Police Dept. has taken the same approach as Royal Oak and Ferndale and has chosen to take no action against a moped parked at a bike rack.

Therefore, rather than having a set policy that says where a moped can or cannot park, they think a common sense approach should be taken. As long as people are not riding the moped on the sidewalk it could be secured on a bike rack along with the other bicycles.

Motion by Ms. Edwards

Seconded by Ms. Slanga to recommend to the City Commission that moped parking be permitted as follows:

**CITY OF BIRMINGHAM
MULTI-MODAL TRANSPORTATION BOARD
THURSDAY, SEPTEMBER 7, 2017
City Commission Room
151 Martin Street, Birmingham, Michigan**

Minutes of the regular meeting of the City of Birmingham Multi-Modal Transportation Board held Thursday, September 7, 2017.

Chairperson Vionna Adams convened the meeting at 6:05 p.m.

1. ROLL CALL

Present: Chairperson Vionna Adams; Board Members Lara Edwards, Amy Folberg, Daniel Rontal, Vice-Chairperson Johanna Slanga; Alternate Members Daniel Isaksen, Katie Schafer

Absent: Board Members Andy Lawson, Michael Surnow

Administration: Lauren Chapman, Asst. Planner
Jana Ecker, Planning Director
Austin Fletcher, Asst. City
Scott Grewe, Police Commander
Paul O'Meara, City Engineer

Also Present: Julie Kroll and Mike Labadie from Fleis & Vandenbrink ("F&V"), Transportation Engineering Consultants

2. INTRODUCTIONS (none)

3. REVIEW AGENDA (no change)

4. APPROVAL OF MINUTES, MEETING OF AUGUST 3, 2017

Ms. Schafer corrected the spelling of her name.

Motion by Ms. Edwards

Seconded by Ms. Schafer to approve the Minutes of August 3, 2017 as corrected.

Motion carried, 7-0.

Seconded by Ms. Folberg to recommend the relocation of the STOP sign for the Oakland Ave. & Lawndale Ave. intersection from its current westbound Oakland Ave. location, to northbound Lawndale Ave. Further, to go with Option 3 in terms of narrowing westbound Oakland Ave. with green space, including the bit of sidewalk and including the signage or notification for shared use sidewalk.

Motion carried, 6-1.

VOICE VOTE

Yeas: Rontal, Folberg, Adams, Edwards, Isaksen, Schafer

Nays: Slanga

Absent: Lawson, Surnow

7. CROSSWALK MATERIALS STUDY

Ms. Chapman recalled the City Commission has directed the MMTB to recommend the type of material to be used for new crosswalks.

She discussed the various pavement marking materials:

- Paint is grouped into waterborne and alkyd paint. Waterborne paint is better for the environment and it is typically used.
- Thermoplastics fall into the categories of alkyd based, hydrocarbon based, and pre-formed thermoplastics. Hydrocarbon based thermoplastics are not recommended for crosswalks. Alkyd based are used for crosswalks. Pre-formed thermoplastics are tapes. They have been found to have very particular application procedures and to not to hold up well.
- Thermosets come in three types: epoxy, polyester, and polyurea. Epoxy thermosets are used most for continuous applications including centerlines, lane lines and edge lines. Polyurea has been used in multiple areas.

Of the three materials, paint is the cheapest, followed by thermoplastics and then epoxy and polyurea. It was found that other cities use thermoplastics and paints the most. Thermoplastics and polyurea have longer service life than paints, which is good for higher volume roads because they don't need to be closed as often to repair the crosswalks. Paints generally need to be re-applied each year. So, that is what is currently used on most Birmingham roads. Polyurea applications have not held up quite as well as thermoplastics. Also it is more expensive.

So the recommendation is to continue using paint on low volume and local roads, and to go with alkyd based thermoplastics on major roads and around schools if

it is deemed to be necessary. Paints and thermoplastics have a very similar appearance and reflectivity. Cost-wise, thermoplastics come out even if not cheaper than paint because they don't have to be replaced as often.

Grooving expands the life span of all products but it comes at a substantial cost. It is recommended that grooving be installed only when a street is being repaved. The entire crosswalk standards, materials and design would be a gradual transition with road construction. They will use only paint unless the road is being rebuilt and then thermoplastics will be applied on the major streets.

Motion by Dr. Rontal

Seconded by Ms. Slanga to use paint on all non-major street crosswalks. Use paint on all major streets that are not going to be completely re-built; but when those major street crosswalks are being re-paved and re-built they will groove and use thermoplastic. Re-evaluate annually with the thermoplastics that are applied to make sure they are truly living up to their suggested retail life span.

There was no public input on the motion.

Motion carried, 7-0.

VOICE VOTE

Yeas: Rontal, Slanga, Adams, Edwards, Folberg, Isaksen, Schafer

Nays: None

Absent: Lawson, Surnow

8. MEETING OPEN TO THE PUBLIC FOR ITEMS NOT ON THE AGENDA
(no public wished to speak)

9. MISCELLANEOUS COMMUNICATIONS

Mr. O'Meara spoke about correspondence received from Mayor Nickita showing a picture of a sidewalk marking that Royal Oak is using to try and discourage bike riding on their sidewalks Downtown. Board members did not think that people riding bikes on the sidewalk in Downtown Birmingham are a problem. Commander Grewe verified there have not been complaints or accidents with bikes on the sidewalk. If necessary in the future, the marking can be affixed at any time.

Mr. Labadie informed everyone that the new signal at N. Eton and Maple Rd. is not working as it is supposed to yet. There is still some work to do and the painting isn't finished either.

**CITY OF BIRMINGHAM
MULTI-MODAL TRANSPORTATION BOARD
THURSDAY, JANUARY 4, 2018
City Commission Room
151 Martin Street, Birmingham, Michigan**

Minutes of the regular meeting of the City of Birmingham Multi-Modal Transportation Board held Thursday, January 4, 2018.

Chairperson Vionna Adams convened the meeting at 6 p.m.

1. ROLL CALL

Present: Vionna Adams, Chairperson, Board Members Lara Edwards, Amy Folberg, Vice-Chairperson Andy Lawson, Daniel Rontal, Johanna Slanga, Michael Surnow; Alternate Board Members Katie Schafer

Absent: Board Member Johanna Slanga; Alternate Board Member Daniel Isaksen

Administration: Lauren Chapman, Asst. Planner
Jana Ecker, Planning Director
Austin Fletcher, Asst. City Engineer
Scott Grewe, Police Dept. Commander
Paul O'Meara, City Engineer
Carole Salutes, Recording Secretary

Also Present: Julie Kroll from Fleis & Vandenbrink ("F&V"), Transportation Engineering Consultants

2. INTRODUCTIONS

Ms. Ecker introduced Tiffany Gunter, Assistant to the City Manager.

3. REVIEW AGENDA (no change)

4. APPROVAL OF MINUTES, MMTB MEETING OF DECEMBER 7, 2017

Chairperson Adams made the following correction:
Page 1 - Add her name to the list of attendees.

Motion by Ms. Edwards

Seconded by Ms. Schafer to accept the MMTB Minutes of December 7, 2017 with the one change.

Mr. Harrison, 1151 Chapin, said the trees have overgrown the curb into the street and over the sidewalks. There are three trees on his property that should come down. He was concerned about what would happen to his property value if the trees are cut down.

Motion carried, 4-3.

VOICE VOTE

Yeas: Schafer, Edwards, Adams, Rontal

Nays: Folberg, Lawson, Surnow

Absent: Slanga

The public hearing closed at 7:20 p.m.

6. CROSSWALK MATERIALS STUDY

Ms. Chapman recalled that over the last several months the MMTB has been discussing pavement marking material choices. Further research has been conducted by City staff during attempts to find a specification for the new thermoplastic standard to be used in bidding documents. Staff from the Planning and Police Departments contacted a variety of contractors and product manufacturers and visited the City of Ann Arbor. Numerous contractors, a manufacturer, and the City of Ann Arbor all found a newer material, HPS-8, to be a superior product and stated that thermoplastic does not bind well to concrete and only performs for one year. Polyurea is a dependable material for both asphalt and concrete surfaces. Polyurea was the top choice of the MMTB originally but the board selected thermoplastic because polyurea was more expensive. However, further research has found that the two materials are much more similar in cost than originally reported.

HPS-8 is a newer material that has only been on the market for about four or five years.

Ann Arbor uses three types of pavement marking materials for crosswalks: thermoplastic, HPS-8 and polyurea. Ann Arbor prefers thermoplastic on asphalt because it is easier to maintain than polyurea. After the initial installation, they are able to use a different thermoplastic for maintenance, and spray it on top of the existing markings. When the thermoplastic is layered it actually has better retroreflectivity than it did for initial application. Ann Arbor prefers to use polyurea on concrete rather than asphalt because when it needs to be maintained the old marking has to be scraped off, and that makes it less cost effective on asphalt.

Crosswalk markings and other transverse markings are required to be retroreflective, but are not subject to minimum levels. Despite not having a required minimum, all of the marking options that are up for consideration meet the highest minimum level that is required for longitudinal markings.

Contractors have the devices to put down the materials.

➤ Waterborne Paint

- Average estimated lifespan: 1 year
- Cheapest option
- Must be reapplied annually so is more expensive in the long-run

➤ Alkyd Thermoplastic

- Average estimated lifespan: 3-4 years
- Easy reapplication
- Good for asphalt
- Retroreflectivity increases when new material is applied on top of old
- Not recommended for concrete

➤ Polyurea

- Average estimated lifespan: 4-6 years
- Established material
- Used by M-DOT
- Recommended by Ann Arbor for concrete
- Must be scraped off for reapplication

➤ HPS-8

- Average estimated lifespan: 6-8 years but the challenge is that it hasn't been around that long
- Newer material
- Works better on asphalt than concrete
- Recommended by contractor and manufacturer
- Recommended by Ann Arbor, but not worth the cost on concrete

Thermoplastic is no longer recommended for major streets uniformly because it drastically underperforms on concrete. Paint continues to be recommended on other streets because it is the cheapest material as far as quotes are concerned. Paint is not recommended on major streets because it needs to be restriped at least once a year.

Commander Grewe advised the contractors don't care what material is used. They will put down whatever the City decides. The one thing that is different between a thermoplastic and HPS-8 is the increased reflectivity of HPS-8. It costs more, and the lifespan is unknown.

Ms. Chapman recalled the board's initial motion required that all crosswalk markings on new roads be recessed, regardless of the material.

Motion by Ms. Edwards

Seconded by Mr. Lawson to use polyurea on all major concrete streets and HPS-8 on all major asphalt streets within the Central Business District, Triangle District, Rail District; and waterborne paint on all other streets. Depending on visibility needs and average daily traffic, polyurea or HPS-8 may be used for crosswalks adjacent to schools.

Public comment was taken on the motion.

Mr. Edmond Deronowitz, 541 Bennaville Ave., asked if there is any difference in slippage risk with any of the materials. Ms. Chapman replied slippage on both is minimal. Ms. Ecker added they all meet the standards for retroreflectivity and they think HPS-8 might be even better.

Motion carried, 7-0.

VOICE VOTE

Yeas: Edwards, Lawson, Adams, Folberg, Rontal, Surnow, Schafer

Nays: None

Absent: Slanga

**7. 33477 WOODWARD AVE.
REQUEST FOR ONE-HOUR PARKING IN RIGHT-OF-WAY**

Commander Grewe advised that the Police Dept. has received a request from Mr. Duane Barbat of The Barbat Organization to change the parking along the M-DOT right-of-way in front of his business. Mr. Barbat stated several vehicles park daily in front of his business for long periods of time and are not visiting any of the businesses in the area. Mr. Barbat believes drivers are using this area to carpool to town. He is requesting one-hour parking for the six parking spots along the front of his business.

Mr. Barbat completed a petition and obtained signatures from all businesses located in the same building as The Barbat Organization. Three of the four businesses at the south end of the service drive disagreed and did not sign the petition, the fourth is vacant. These four business addresses are south of the requested area to change. 82% of occupied businesses, located along the same service drive, signed the petition in favor of one-hour parking. Mr. Barbat would like to leave the spots on the south side unchanged so as to not affect the businesses that oppose the one-hour restriction. There are currently no parking restrictions in this area.

Mr. Duane Barbat, 33477 Woodward Ave., said his building is mixed use with a mattress retailer and a charter school on the bottom floor. Upstairs there are five office users. There is plenty of parking on-site. The idea is that the street parking would be for parents picking up their children, for customers of the mattress shop, and for tenants

ADDITIONAL RESEARCH

Table 2-8. Use of Thermoplastic Pavement Markings

-	Asphalt			Concrete			Surface treatments		
-	AADT <1,000	AADT 1,000 – 10,000	AADT >10,000	AADT <10,000	AADT 10,000 – 50,000	AADT >50,000	AADT <1,000	AADT 1,000 – 10,000	AADT >10,000
Use ²	Y	Y	Y	L	L	N	Y	Y	Y
Material suggestions	TxDOT standard			specific concrete formulation		-	TxDOT standard		
Typical minimum thickness (new)	90 mils			90 mils	90 mils	-	100 mils		
Typical minimum thickness (restripe)	60 mils			60 mils	60 mils	-	60 mils		
Surface prep.	Clean & dry.			Clean, dry, & primer-sealer (refer to Item 678 or manufacturer recommendations).		-	Clean, dry, & remove loose stones.		
Expected Service Life	up to 4 years	up to 4 years	up to 3 years	up to 4 years	up to 4 years	-	up to 4 years	up to 4 years	up to 3 years
Approx. bid price for new surface in 2002 (per lf)	\$0.20			\$0.35		-	\$0.20		
Estimated cost per year of service life (per lf)	\$0.05	\$0.05	\$0.07	\$0.07	\$0.09	-	\$0.05	\$0.05	\$0.07

Footnotes:

1. TxDOT Specification Thermoplastic unless noted otherwise.

2. Y = suitable for use; N = not recommended; L = limited use.

Table 2-10. Use of Paint Pavement Markings

-	Concrete			Asphalt			Surface Treatments		
-	AADT <1,000	AADT 1,000 – 10,000	AADT >10,000	AADT <10,000	AADT 10,000 – 50,000	AADT >50,000	AADT <1,000	AADT 1,000 – 10,000	AADT >10,000
Use ¹	Y	Y	L	Y	L	N	Y	L	N
Thickness	15–25 mils			15–25 mils			15–25 mils		
Surface prep.	Clean & dry.			Clean & dry.			Clean, dry, & remove loose stones.		
Expected service life	Up to 1 year			Up to 1 year			Up to 1 year ²		
Approx. bid price (per lf)	\$0.08			\$0.08			\$0.08		
Estimated cost per year of service life (per lf)	\$0.08			\$0.08			\$0.08		

Footnotes:

1. Y = suitable for use; N = not recommended; L = limited use.

2. On new surface treatments, paint should only be used as a temporary marking for up to 6 months.

Table 2-11. Use of Permanent Preformed Tape Pavement Markings

-	Asphalt			Concrete			Surface Treatments		
-	AADT <1,000	AADT 1,000 – 10,000	AADT >10,000	AADT <10,000	AADT 10,000 – 50,000	AADT >50,000	AADT <1,000	AADT 1,000 – 10,000	AADT >10,000
Use ¹	N	Y	Y	N	Y	Y	N	N	N
Surface prep.	-	Remove existing markings, clean, dry, & apply adhesive		-	Remove existing markings, clean, dry, & apply adhesive		-	-	-
Expected service life	-	Up to 4 years		-	Up to 4 years		-	-	-
Approx. bid price (per lf) ²	-	\$2.57		-	\$2.57		-	-	-
Estimated cost per year of service life (per lf)	-	\$0.43		-	\$0.43		-	-	-

Footnotes:

1. Y = suitable for use; N = not recommended.

2. Price includes required removal of existing markings.

Table 2-13. Use of Epoxy Pavement Markings

	Asphalt			Concrete			Surface Treatments		
	AADT <1,000	AADT 1,000 – 10,000	AADT >10,000	AADT <10,000	AADT 10,000 – 50,000	AADT >50,000	AADT <1,000	AADT 1,000 – 10,000	AADT >10,000
Use ²	Y	Y	Y	Y	Y	Y	Y	Y	Y
Thickness	15–25 mils			15–25 mils			15–25 mils		
Surface prep.	Remove old mkgs, clean, & dry			Remove old mkgs, clean, & dry			Remove old mkgs, clean, & dry		
Expected service life	Up to 4 years	Up to 4 years	Up to 3 years	Up to 4 years	Up to 4 years	Up to 3 years	Up to 4 years	Up to 4 years	Up to 3 years
Approx. bid price (per lf)	\$0.40			\$0.40			\$0.40		
Estimated cost per year of service life (per lf)	\$0.10	\$0.10	\$0.13	\$0.10	\$0.10	\$0.13	\$0.10	\$0.10	\$0.13

Footnotes:

1. A wide variety of epoxy materials are currently available, possessing varying degrees of quality. The information in this table is based on the cost and performance of special formulations of epoxy that are designed for high-quality and high-durability pavement markings commonly used by state DOTs nationwide.

2. Y = suitable for use.

Table 2-14. Use of Polyurea Pavement Markings

	Asphalt			Concrete			Surface Treatments		
	AADT <1,000	AADT 1,000 – 10,000	AADT >10,000	AADT <10,000	AADT 10,000 – 50,000	AADT >50,000	AADT <1,000	AADT 1,000 – 10,000	AADT >10,000
Use ²	Y	Y	Y	Y	Y	Y	Y	Y	Y
Thickness	15–25 mils			15–25 mils			15–25 mils		
Surface prep.	Remove existing markings, clean, & dry			Remove existing markings, clean, & dry			Remove existing markings, clean, & dry		
Expected service life	Up to 4 years	Up to 4 years	Up to 3 years	Up to 4 years	Up to 4 years	Up to 3 years	Up to 4 years	Up to 4 years	Up to 3 years
Approx. bid price (per lf)	\$1.00			\$1.00			\$1.00		
Estimated cost per year of service life (per lf) ³	\$0.25	\$0.25	\$0.33	\$0.25	\$0.25	\$0.33	\$0.25	\$0.25	\$0.33

Footnotes:

1. The cost and performance of polyurea is based on limited experimentation both in Texas and nationwide.
2. Y = suitable for use.
3. Prices include a proprietary retroreflectivity-enhancing ceramic element embedded into the marking surface. Polyurea materials applied without the proprietary ceramic element may be less expensive.

Table 2-15. Use of Modified Urethane Pavement Markings

	Asphalt			Concrete			Surface Treatments		
	AADT <1,000	AADT 1,000 – 10,000	AADT >10,000	AADT <10,000	AADT 10,000 – 50,000	AADT >50,000	AADT <1,000	AADT 1,000 – 10,000	AADT >10,000
Use ²	L	L	L	L	L	L	L	L	L
Thickness	Manuf. Recommendations			Manuf. Recommendations			Manuf. Recommendations		
Surface prep.	Remove Existing Markings, Clean & Dry			Remove Existing Markings, Clean & Dry			Remove Existing Markings, Clean & Dry		
Expected service life	Up to 4 years	Up to 4 years	Up to 3 years	Up to 4 years	Up to 4 years	Up to 3 years	Up to 4 years	Up to 4 years	Up to 3 years
Approx. bid price (per lf)	\$0.63			\$0.63			\$0.63		
Estimated cost per year of service life (per lf)	\$0.16	\$0.16	\$0.21	\$0.13	\$0.16	\$0.21	\$0.16	\$0.16	\$0.21

Footnotes:

1. Based on use in other states.

2. L = limited use.

Table 2-17. Use of Methyl Methacrylate (MMA) Pavement Markings

	Asphalt			Concrete			Surface Treatments		
	AADT <1,000	AADT 1,000 – 10,000	AADT >10,000	AADT <10,000	AADT 10,000 – 50,000	AADT >50,000	AADT <1,000	AADT 1,000 – 10,000	AADT >10,000
Use	Limited use			Limited use			Limited use		
Thickness	40 mils			40 mils			40 mils		
Surface prep.	Remove existing markings, clean, & dry			Remove existing markings, clean, & dry			Remove existing markings, clean, & dry		
Expected service life	Up to 5 years			Up to 5 years			Up to 5 years		
Approx. bid price (per lf)	\$2.50			\$2.50			\$2.50		
Estimated cost per year of service life (per lf)	\$0.50			\$0.50			\$0.50		

Pavement Marking Materials

March, 2012

Ting Nahrwold, P.E.
INDOT Materials Management





Overview

- **INDOT maintains over 11,000 centerline miles of roadway.**
- **1687 people died on Indiana roadways in 2010 (NHTSA FARS data).**
- **According to FHWA 2008 “value of life” memo, the cost is \$6 million per death. Saving lives more than pays for better markings.**



Overview

- **Pavement Marking Types**
 - **Paint**
 - **Thermoplastic**
 - **Multi-Component (AKA Epoxy)**
 - **Preformed Plastic**



Pavement Marking Materials

- **Paint**

- Typically water based
- Cheapest
- Most versatile
- Least durable
- Typical thickness 15 mils
- Glass beads sprayed on top of wet paint



Waterborne Traffic Paint

- Standard waterborne traffic paint (50F min)
 - UV resistant and non-coning in most cases
 - \$11/gal, 15 wet mils, 4" width = \$0.0344 /LF
- High build waterborne traffic paint (50F min)
 - More is usually better and ability to hold big beads
 - UV resistant and coning may be required
 - \$12/gal, 25 wet mils, 4" width = \$0.0632 / LF
 - \$12/gal, 30 wet mils, 4" width = \$0.075 / LF
- Cold weather waterborne traffic paint (35F min)
 - UV resistant and coning required below 50F
 - \$12/gal, 15 wet mils, 4" width = \$0.0375 / LF



Durable Markings

- **Term used for:**
 - **Thermoplastic**
 - **Multi-component**
 - **Preformed Plastic**



Pavement Marking Materials

- **Thermoplastic**
 - Melted plastic
 - Typically used only on HMA
 - More expensive
 - Requires more specialized equipment
 - More durable under higher traffic
 - Typical thickness = 90-125 mils
 - Glass beads mixed in, as well as sprayed on top while still molten



Thermoplastic

- Alkyd thermoplastic is by far the most widely used durable road marking
 - Can be sprayed between 40-125 mils
 - Can be extruded between 60-125 mils
 - Can be inlaid for enhanced durability
 - Minimum application temperature is 50F
 - Can be used with big beads
 - Non-coning
 - Can be profiled
 - Brittles with age



\$1600/ton, 90 mils, 4" width = \$0.267 /LF



Pavement Marking Materials

- **Multi-Component (AKA Epoxy)**
 - 2 components mixed just prior to application
 - Can be used on any pavement type, but typically only longitudinal lines
 - Better durability and reflectivity than paint
 - Typical thickness = 20 mils
 - 2 types of glass beads typically applied (double drop)



Epoxy Road Markings

- Second most widely used durable (CO, MT, NJ, NY, OH, QB & WI to name a few)
- Epoxy comes in two variations
 - Slow dry - between 15-45 minutes (HPS 2)
 - Fast dry - less than 10 minutes (HPS 3)
 - Minimum temperature for application is 40F
 - Coning required on slow dry, variable on fast dry
- Both are 2:1 ratio products, may “yellow” a bit from UV degradation and are brittle
- May be inlaid and will hold big beads
- \$23/gal, 20 mils, 4” width = \$0.096 /LF



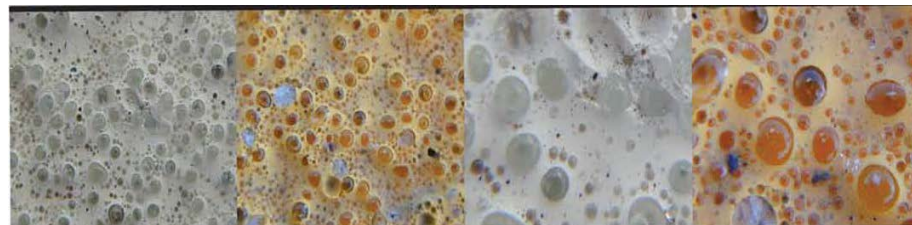
Polyurea Road Markings (HPS 5)

- Fast dry – less than 2 minutes, no coning
- Resistant to UV degradation
- Flexible film
- Minimum application temperature is 40F
- 2:1 ratio - works in existing epoxy vehicles with slight modifications
- Can be inlaid
- Will hold big beads
- Largely used in MI, IL, NC and GA
- \$50/gal, 20 mils, 4" width = \$0.208 /LF



Modified Urethane Road Markings (HPS 4)

- Fast dry – less than 2 minutes, no coning
- Resists UV degradation
- Flexible film
- 2:1 ratio - works in existing epoxy vehicles with no modifications
- Handles the same as epoxy
- Can be inlaid
- Will hold big beads
- 40F minimum application temperature
- Bridges the cost and performance gap between fast dry epoxy and polyurea – major use in MN & IL



\$33/gal, 20 mils, 4" width = \$0.1375 / LF



MMA Road Markings

- Very versatile in application modes, either by hand or mechanical equipment
 - HPS 6 Extrude at 60-120 mils
 - HPS 6 Spray at 40-120 mils (with and without intermix beads)
 - HPS 6 Profile up to ½" high for enhanced audible and wet/dry retro
 - HPS 7 patterned for enhanced wet/dry retro
 - (pattern usage is equivalent to 100 mils)

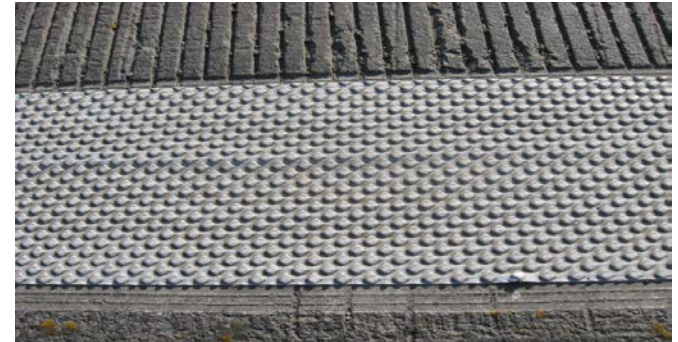


MMA Road Markings

- Various ratios available depending on available equipment – 4:1 or 1:1 by volume, 98:2 by weight
- Resistant to UV degradation
- Resistant to snow plow damage even at thicker films
- Can be inlaid
- Some of the variants will hold big beads
- Can be applied below 32F in some instances while normal minimum is 35F
- Major use in AK, ID, OR, WA & Canada. OR has 4 yr warranty w=150 and y=125.
- Does require coning in most cases
- \$40/gal, 40 mils, 4" width = \$0.333 / LF
- \$40/gal, 100 mils, 4" width = \$0.833 / LF



Pavement Marking Materials



- **Preformed Plastic**
 - Applied as a tape
 - Can be used for permanent or temporary applications (different types)
 - Permanent type can have the highest durability and reflectivity (even under wet conditions)
 - 60F minimum application temperature
 - Highest cost: \$1.50/LF
 - Glass beads are manufactured into the material

Pavement Marking Materials

Pavement Marking Materials	Thickness (mil)	Min Temperature (F)	Cost /LF (4")
Waterborne Paint	15	50	\$0.03
Thermo	90	50	\$0.27
Preformed Tape	90	60	\$1.50
Multi-Component			
Epoxy	20	40	\$0.10
Polyurea	20	40	\$0.21
Modified Urethane	20	40	\$0.14
MMA	100	35	\$0.83



INDOT Specification 808

Pavement Markings

- 808 has been re-written as a performance based specification
- Took effect for contracts let after 9/1/10.
- Performance based specifications have much fewer details/requirements as to materials and application methods
 - INDOT specifies what we want, contractor figures out how to do it
 - Performance requirements have to be specific and measurable



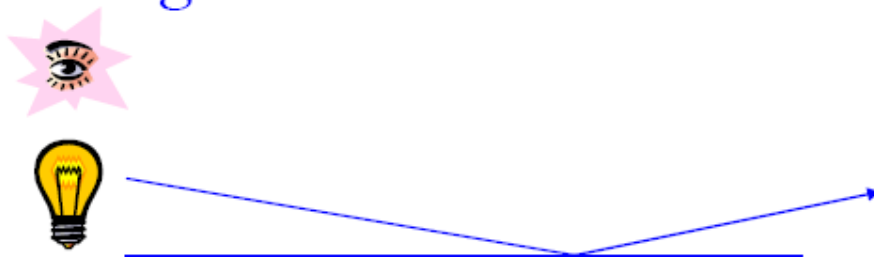
New 808 Requirements

- **Performance Requirements:**
 - **Color**
 - ASTM D 6628, ASTM E 811 and ASTM E 1349
 - **Durability**
 - ASTM D 913
 - **Retro-reflectivity**
 - ITM 931 – millicandelas per m² per lux
- **Quality Adjustments ONLY apply to retro-reflectivity**

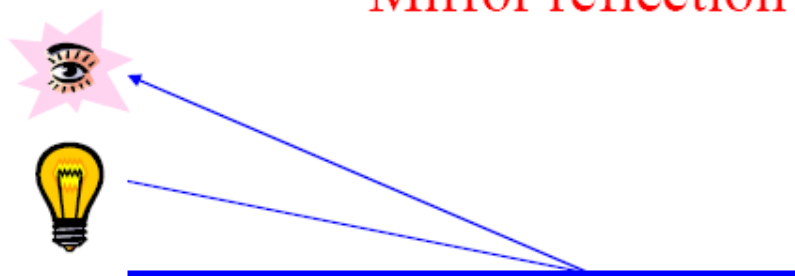


Retroreflection

Light Comes Back Towards The Source

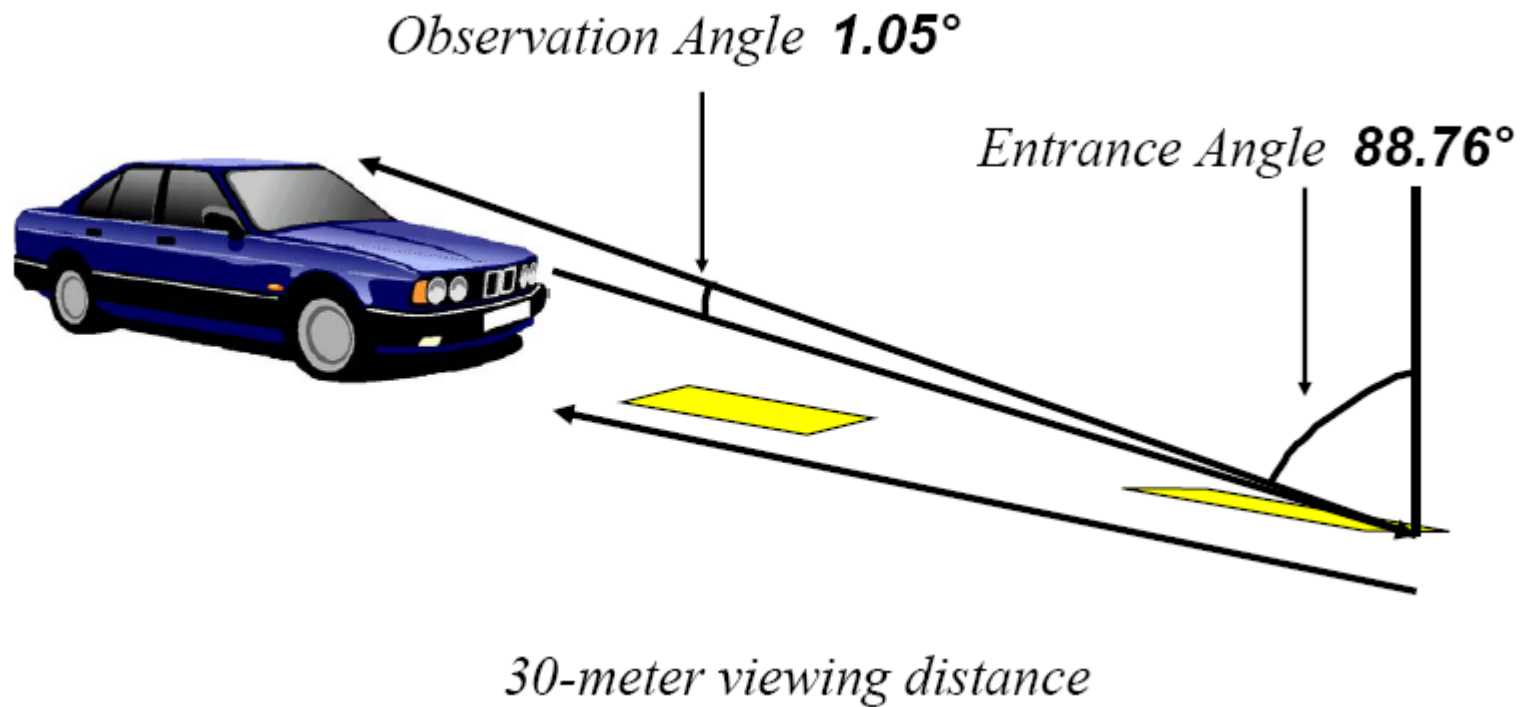


Mirror reflection



Retro reflection

Measuring Retroreflectivity with 30 Meter Geometry



INDOT's RETRO MINIMUMS

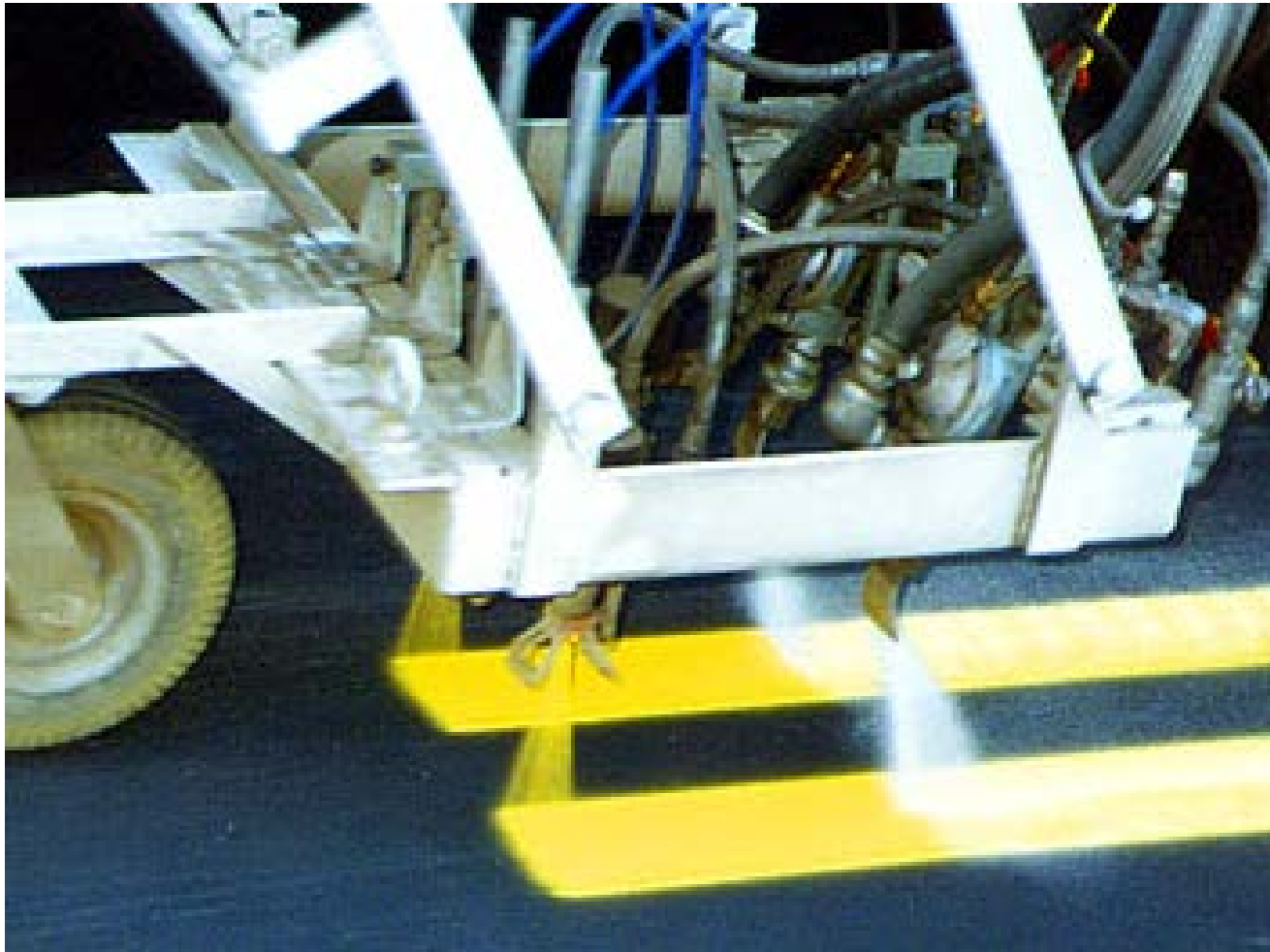
Material (retained time)	Initial White	Initial Yellow	Retained White	Retained Yellow
Paint (90 days)	250	175		
Thermoplastic (180 days)	300	200	200	150
Multi- Component (180 days)	300	200	200	150
Preformed Plastic (180 days)	300	200	200	150
Extended Preformed Plastic (inlaid) (1 yr/2yr)	650	450	400/300	300/200



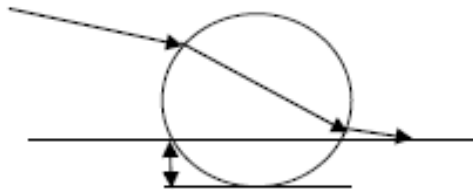
FACTORS THAT EFFECT RETROREFLECTIVITY AND DURABILITY

Coatings	Roundness of Bead	Bead Size	Application Temperature
Bead Coverage	Binder Quality	Refractive Index	Application Speed
Gradation	Bead Embedment	Road Surface	Weather
Color and Clarity of Bead	Binder Viscosity	Bead Rate	Binder Temperature

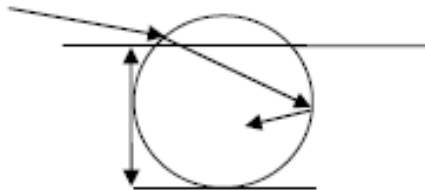
Beading and Retro



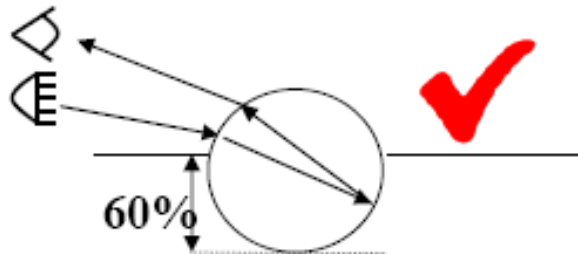
Glass Beads - Embedment



High Embedment (<40%), Poor



Low Embedment (>60%), Poor



60% Embedment, Good



NTPEP

National Transportation Product Evaluation Program (NTPEP) is a major resource for comprehensive pavement marking evaluations performed at the national level.

The lead agency collects lab and field performance data for products included in the evaluation and compiles them into a report.

Data are furnished within the report, no approval, disapproval, or endorsements of products are made per NTPEP/AASHTO policy.





NTPEP TEST SITE

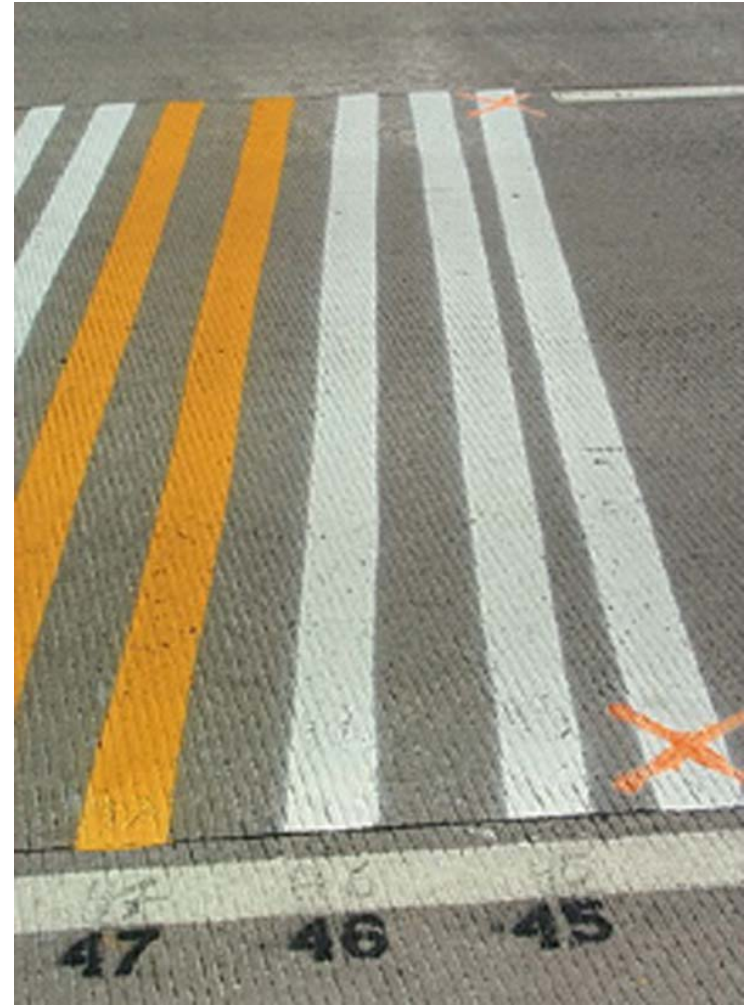
- Traffic is moderate (minimum AADT 5,000)
- No intersections or access points (excessive braking or turning movements) with full exposure to the sun throughout daylight hours
- Good drainage
- On both Portland cement concrete and bituminous concrete surfaces
- Open to traffic at least one (1) year
- Minimal cracking and/or pavement deterioration



NTPEP TEST DECK



PAINT LINES



EPOXY LINES



NTPEP TEST DECK



THERMOPLASTICS



NTPEP TEST DECK



PREFORMED TAPES



NTPEP REPORT-WATERBORNE PAINT

Reflectivity & Durability

Interval (months)	Date	Retroreflectivity				Durability	
		Skip	Left Wheel	R, Wheel - Wet	R, Wheel - Dry	Skip	Wheel
0	7/28/2008	394	445			10	10
1	8/26/2008	373	323			10	10
2	9/30/2008	408	318			10	10
3	10/27/2008	385	311			10	10
9	4/28/2009	212	102			9	8
10	5/19/2009	200	85			9	8
11	7/9/2009	181	86			9	8
12	7/28/2009	204	77			9	8
15	10/26/2009	203	85			9	8
21	4/19/2010	140	43			9	8
24	7/21/2010	163	40			9	8
27	11/26/2010	150	38			9	8
33	5/24/2011	112	32			9	8
36	7/14/2011	123	22			8	7



NTPEP REPORT-THERMOPLASTIC

Reflectivity & Durability

Interval (months)	Date	Retroreflectivity				Durability	
		Skip	Left Wheel	R, Wheel - Wet	R, Wheel - Dry	Skip	Wheel
0	7/28/2008	289	393			10	10
1	8/26/2008	286	182	76		10	10
2	9/30/2008	295	121	16		10	10
3	10/27/2008	234	117	8		10	10
9	4/28/2009	173	124	14		9	9
10	5/19/2009	196	127	6		9	9
11	7/9/2009	225	131	3		9	9
12	7/28/2009	246	134	4		9	9
15	10/26/2009	277	147	12		9	9
21	4/19/2010	232	103	6		9	9
24	7/21/2010	259	126	5		9	9
27	11/26/2010	274	137	9		9	9
33	5/24/2011	241	104	13		8	8
36	7/14/2011	247	85	8		8	7



NTPEP REPORT-METHYL METHACRYLATE

Reflectivity & Durability

Interval (months)	Date	Retroreflectivity				Durability	
		Skip	Left Wheel	R, Wheel - Wet	R, Wheel - Dry	Skip	Wheel
0	7/28/2008	576	546			10	10
1	8/26/2008	585	567	52		10	10
2	9/30/2008	679	648	82		10	10
3	10/27/2008	673	611	56		10	10
9	4/28/2009	515	194	24		9	10
10	5/19/2009	573	213	25		9	9
11	7/9/2009	506	161	24		9	9
12	7/28/2009	551	138	29		9	9
15	10/26/2009	569	133	35		9	9
21	4/19/2010	302	84	6		9	9
24	7/21/2010	333	82	4		9	9
27	11/26/2010	320	85	2		9	9
33	5/24/2011	227	82	3		9	9
36	7/14/2011	193	65	9		9	9



NTPEP REPORT-EPOXY

Reflectivity & Durability

Interval (months)	Date	Retroreflectivity				Durability	
		Skip	Left Wheel	R, Wheel - Wet	R, Wheel - Dry	Skip	Wheel
0	7/28/2008	490	508			10	10
1	8/26/2008	465	467			10	10
2	9/30/2008	529	426			10	10
3	10/27/2008	523	409			10	10
9	4/28/2009	338	163			10	9
10	5/19/2009	345	168			9	9
11	7/9/2009	340	147			9	9
12	7/28/2009	344	135			9	9
15	10/26/2009	347	144			9	9
21	4/19/2010	263	94			9	9
33	5/24/2011	264	86			9	9
36	7/14/2011	243	74			9	9



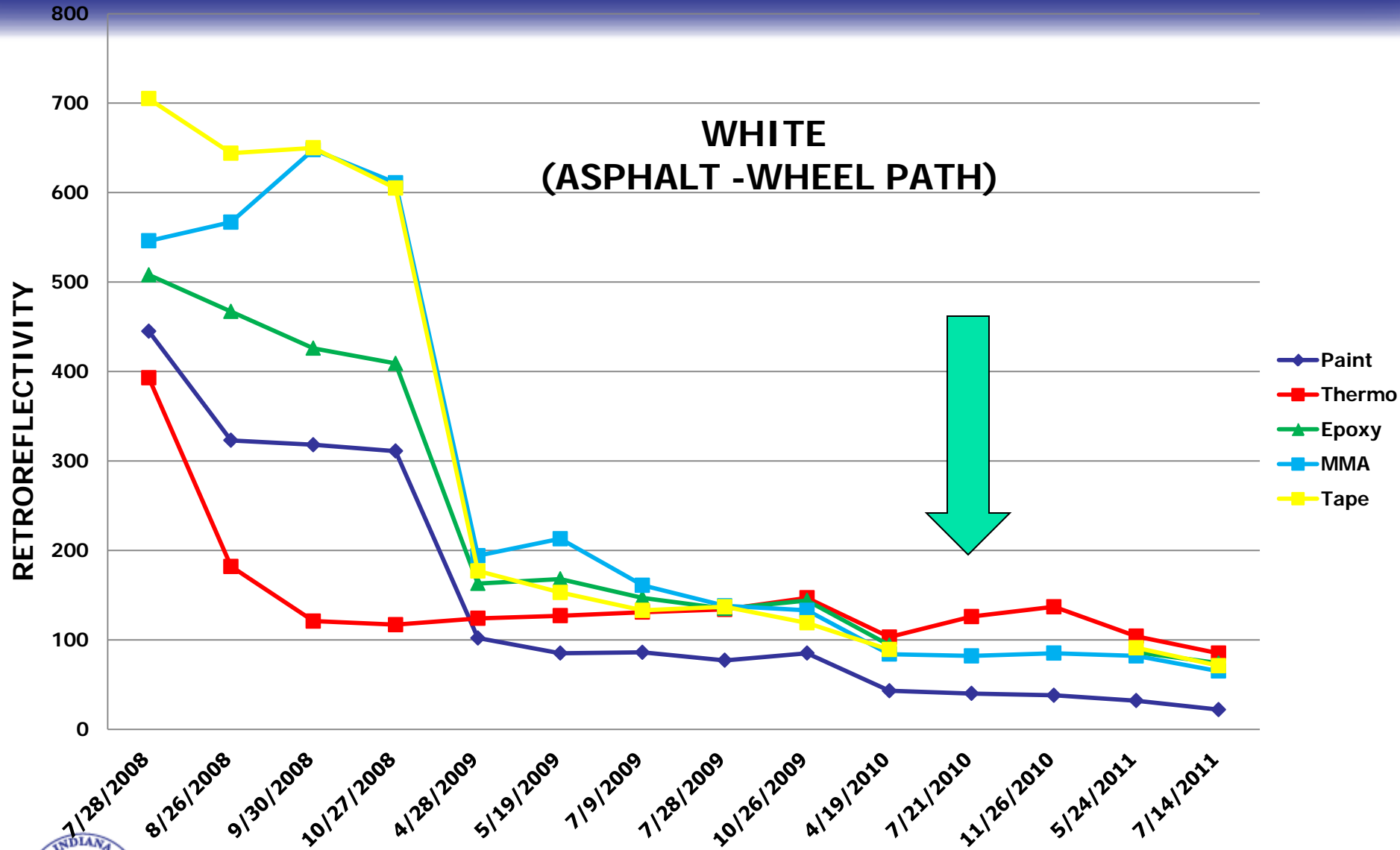
NTPEP REPORT-DURABLE TAPE

Reflectivity & Durability

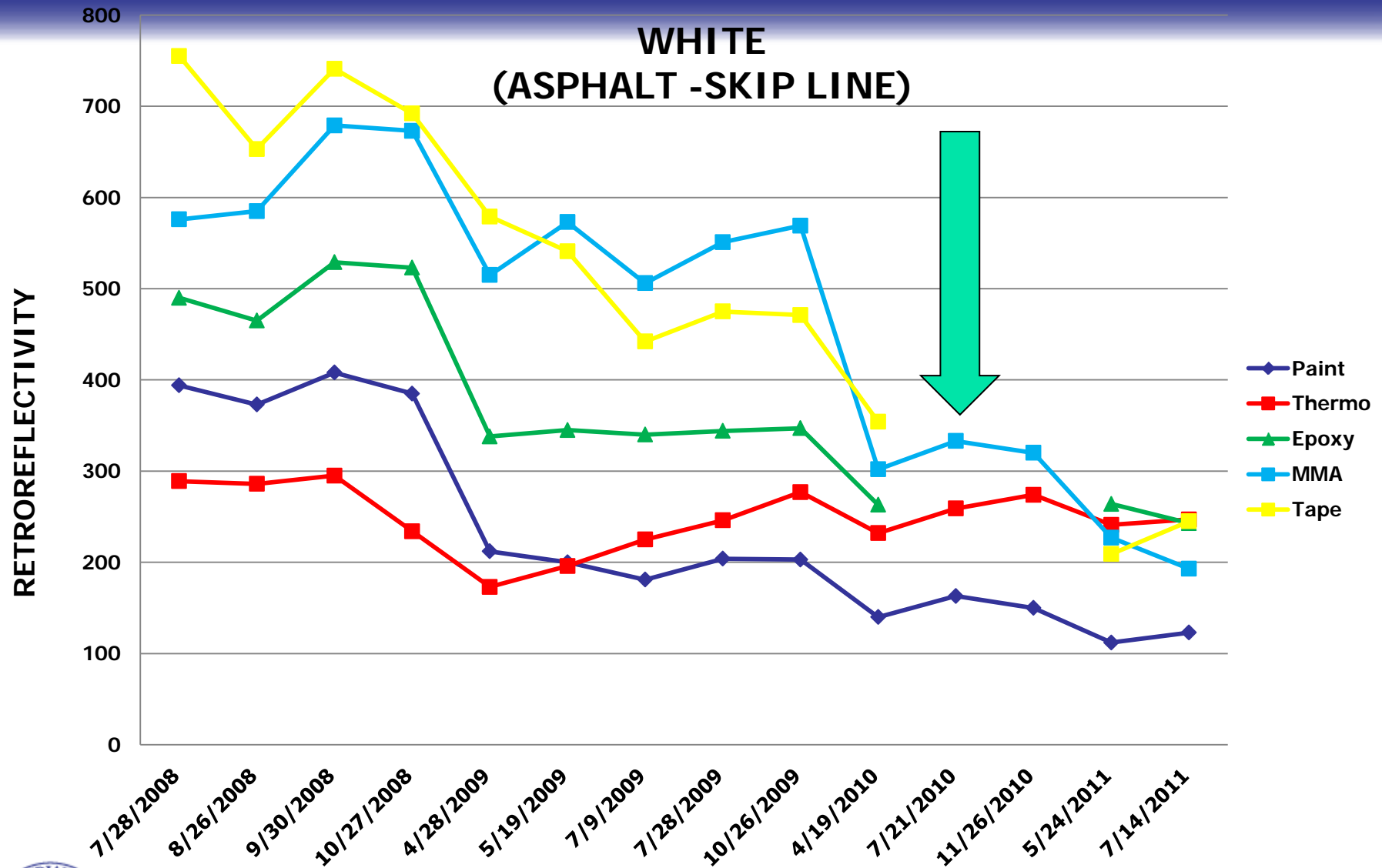
Interval (months)	Date	Retroreflectivity				Durability	
		Skip	Left Wheel	R, Wheel - Wet	R, Wheel - Dry	Skip	Wheel
0	7/28/2008	755	705			10	10
1	8/26/2008	653	644			10	10
2	9/30/2008	741	650			10	10
3	10/27/2008	692	605			10	10
9	4/28/2009	579	177			9	10
10	5/19/2009	541	153			9	10
11	7/9/2009	442	133			9	9
12	7/28/2009	475	137			9	9
15	10/26/2009	471	119			9	9
21	4/19/2010	354	89			9	9
33	5/24/2011	209	91			9	9
36	7/14/2011	245	71			9	9



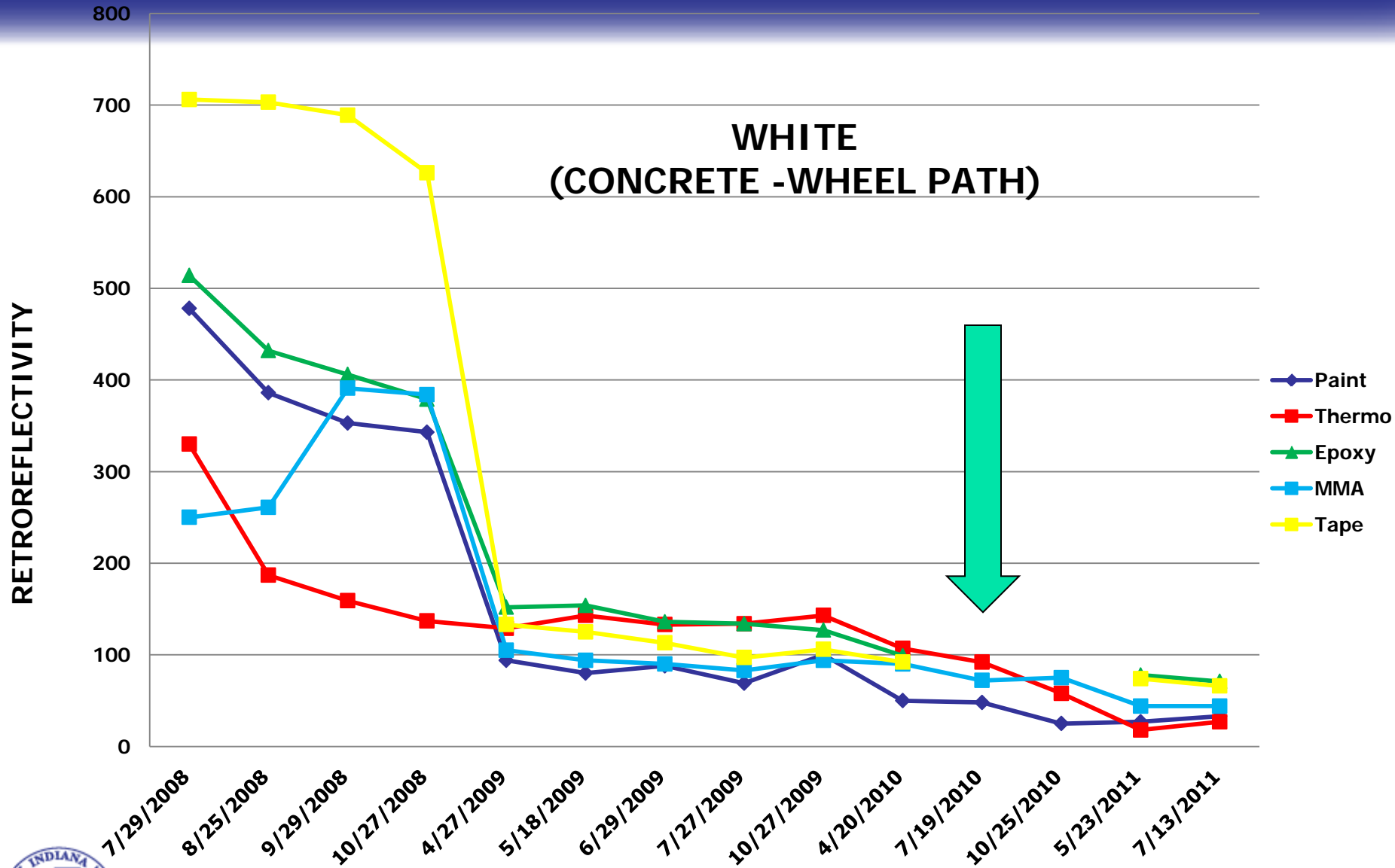
NTPEP RETROREFLECTIVITY:



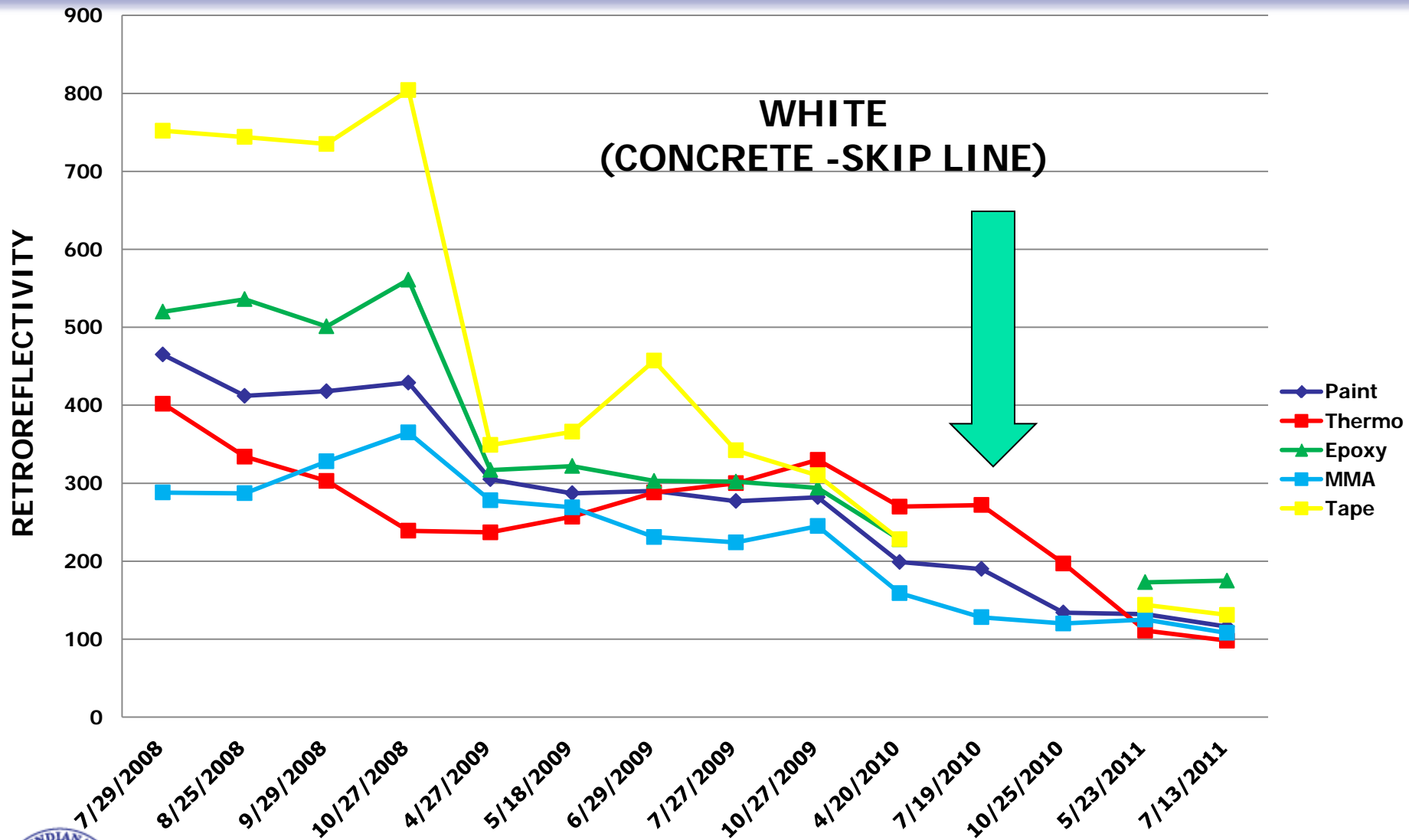
NTPEP RETROREFLECTIVITY:



NTPEP RETROREFLECTIVITY:

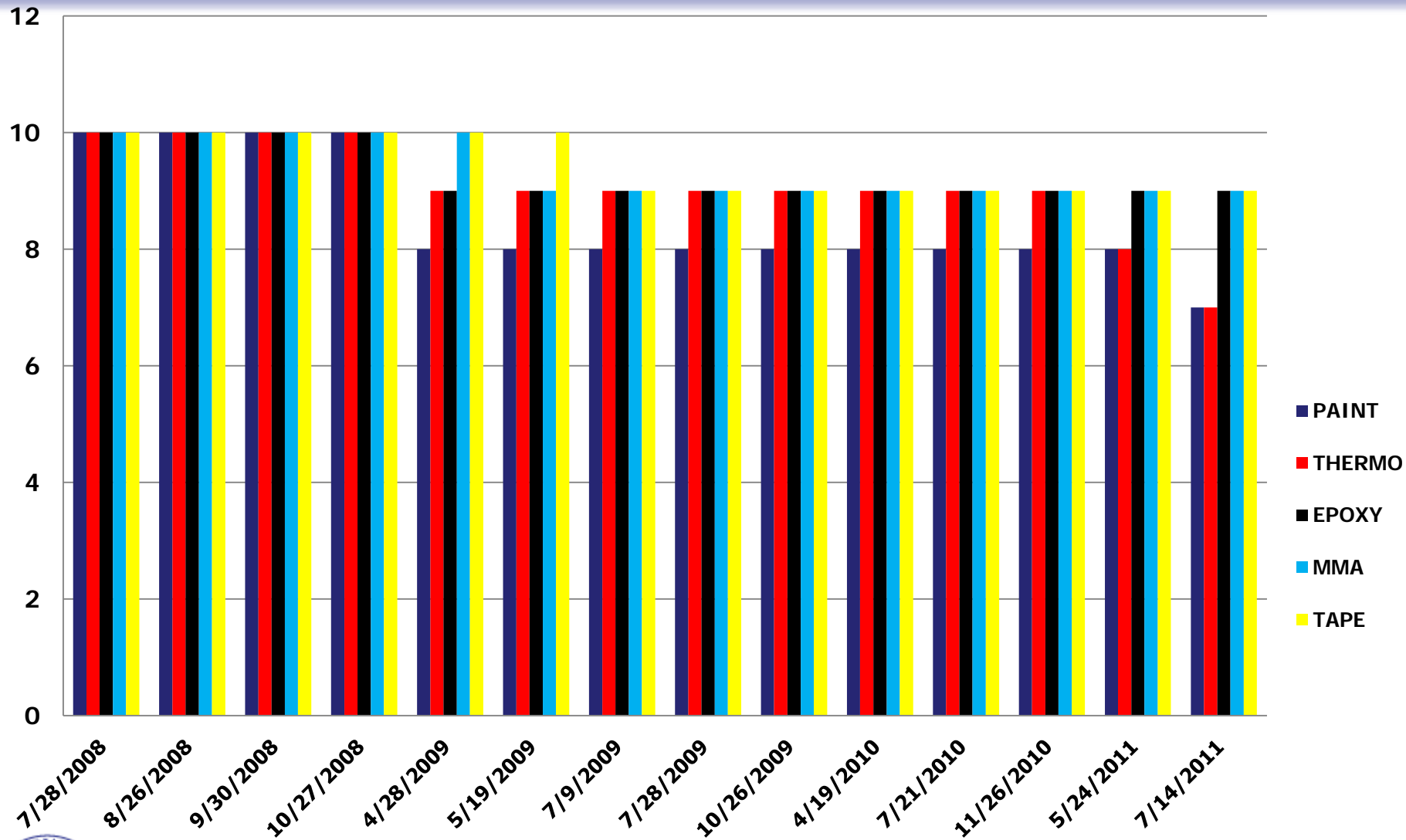


NTPEP RETROREFLECTIVITY:



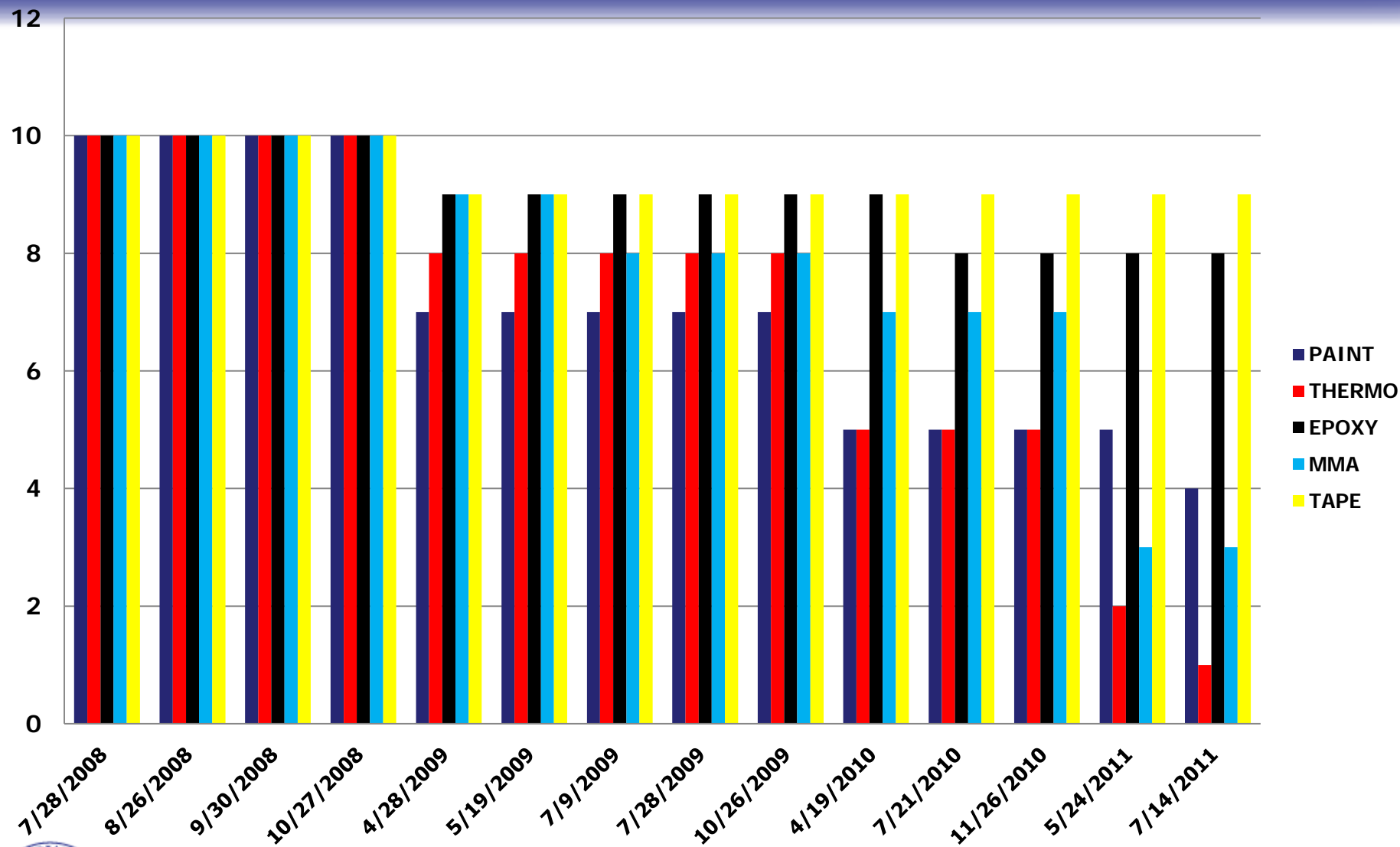


NTPEP DURABILITY - ASPHALT:





NTPEP DURABILITY -CONCRETE:



INDOT CONTRACTED COSTS

AVERAGE BID UNIT PRICE (4" Solid Line)

Material	Cost/LF (2010)		Cost/LF (2011)	
	White	Yellow	White	Yellow
Paint	\$0.82	\$0.76	\$0.88	\$0.54
Thermoplastic	\$1.54	\$1.54	\$1.63	\$1.63
Epoxy	\$0.66	\$0.81	\$0.30	\$0.30
Preformed Tape	\$1.71	\$2.58	\$2.09	\$1.94
Multi-component	\$1.37	\$0.85	\$1.34	\$1.55



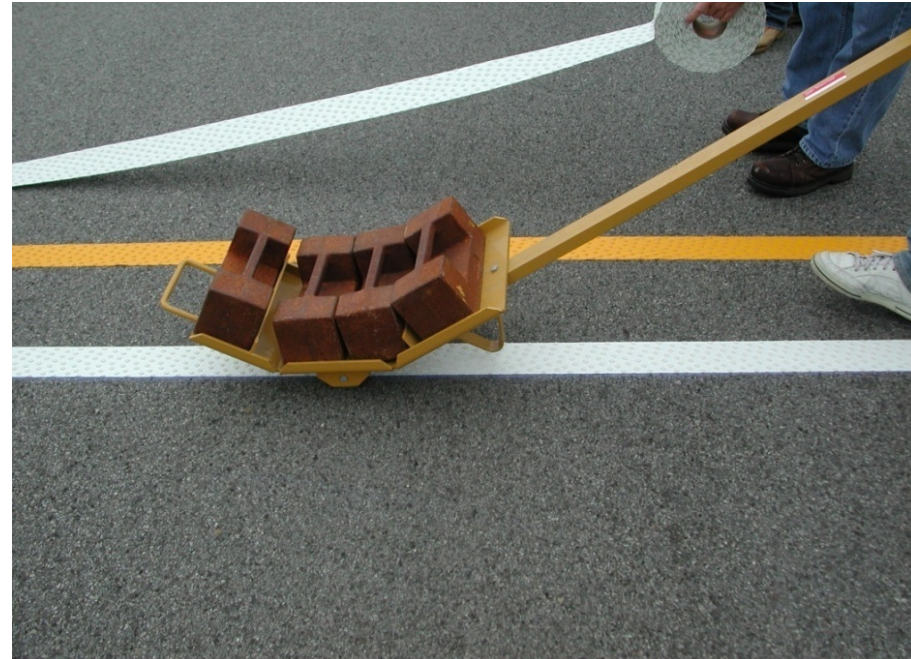
Installation Methods

- **Surface Apply (all materials)**
- **Inlay (Durable Markings)**



Installation Methods

- Surface Apply



Installation Methods

- **Inlay-rolling in**

- For preformed tape only, material is placed on the hot asphalt surface, prior to the last roller pass. This causes the material to be slightly depressed, shielding it from snowplow damage.



Installation Methods

- **Grooved - in**

a slight depression is ground into the finished pavement surface





INDOT Evaluations (Preformed Tape)

- **Dual-lane divided highway**
- **Should not have extensive crack sealing or patching during the evaluation period**
- **Average traffic over 17,500 in the two lanes**
- **Generally free of horizontal and vertical curves**
- **Speed limit generally 40 mph or higher. (65km/hr)**
- **Easy access for traffic control (lane closure)**



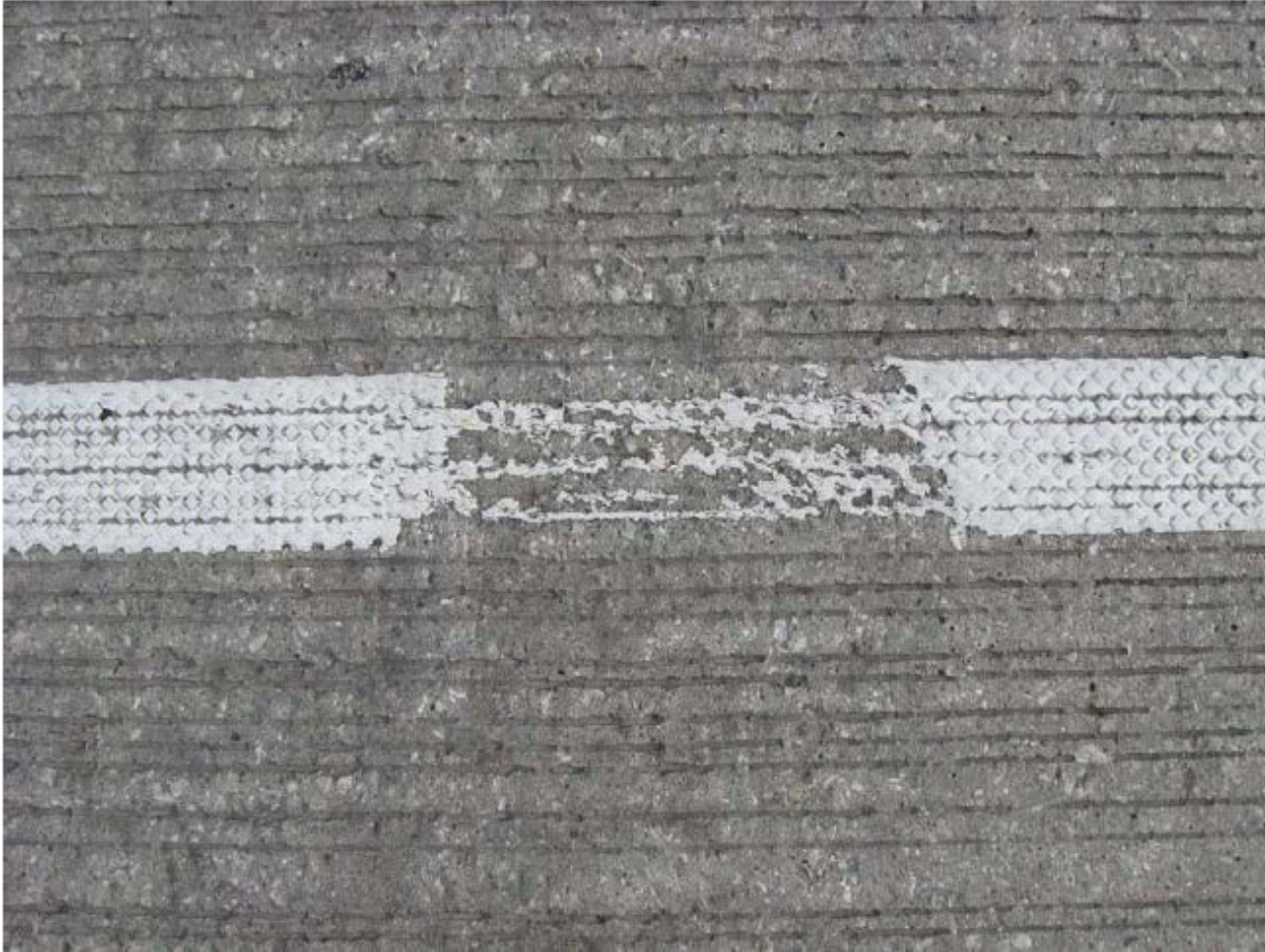
Surface Applied Preformed Tape



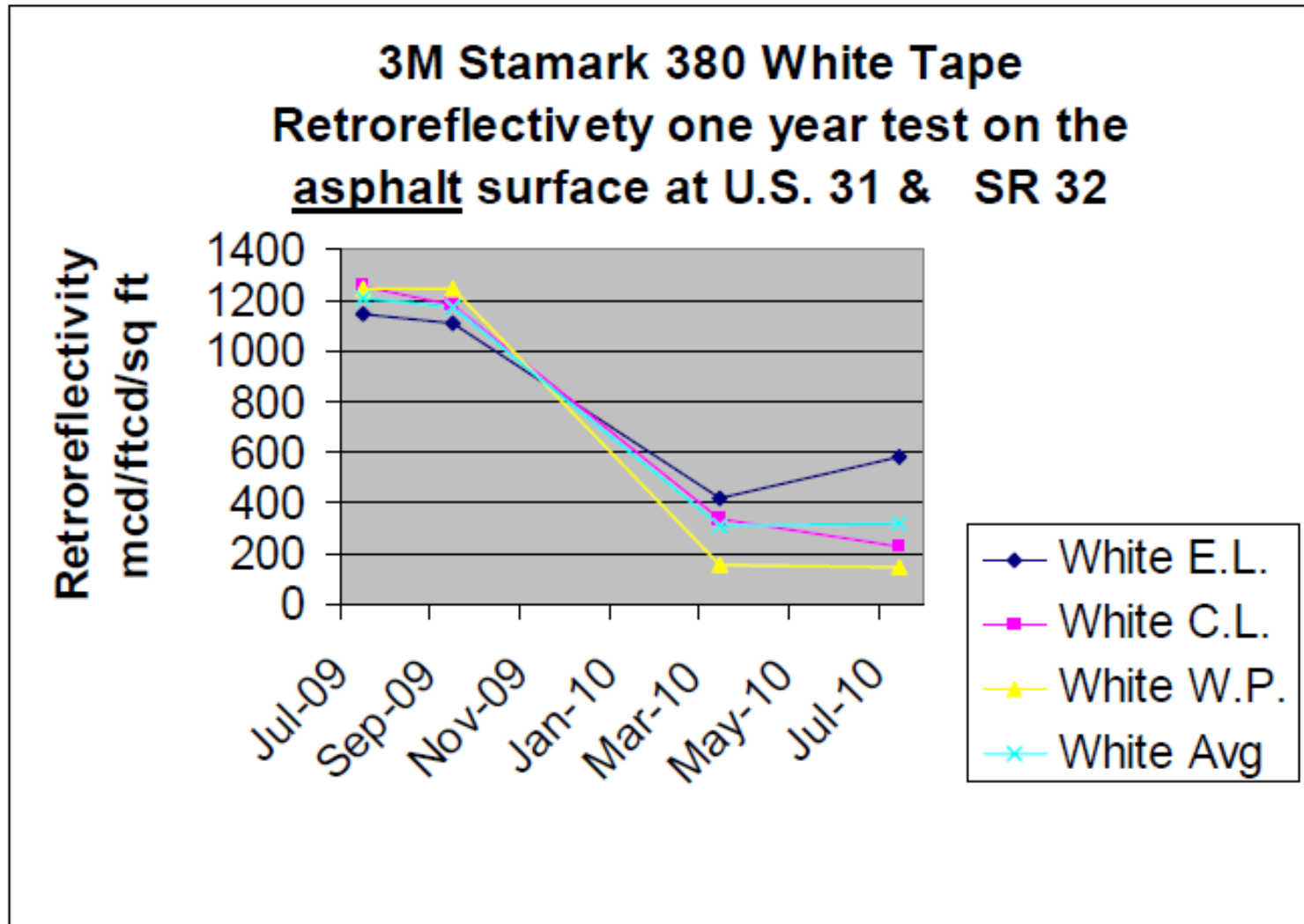
Surface Applied Preformed Tape



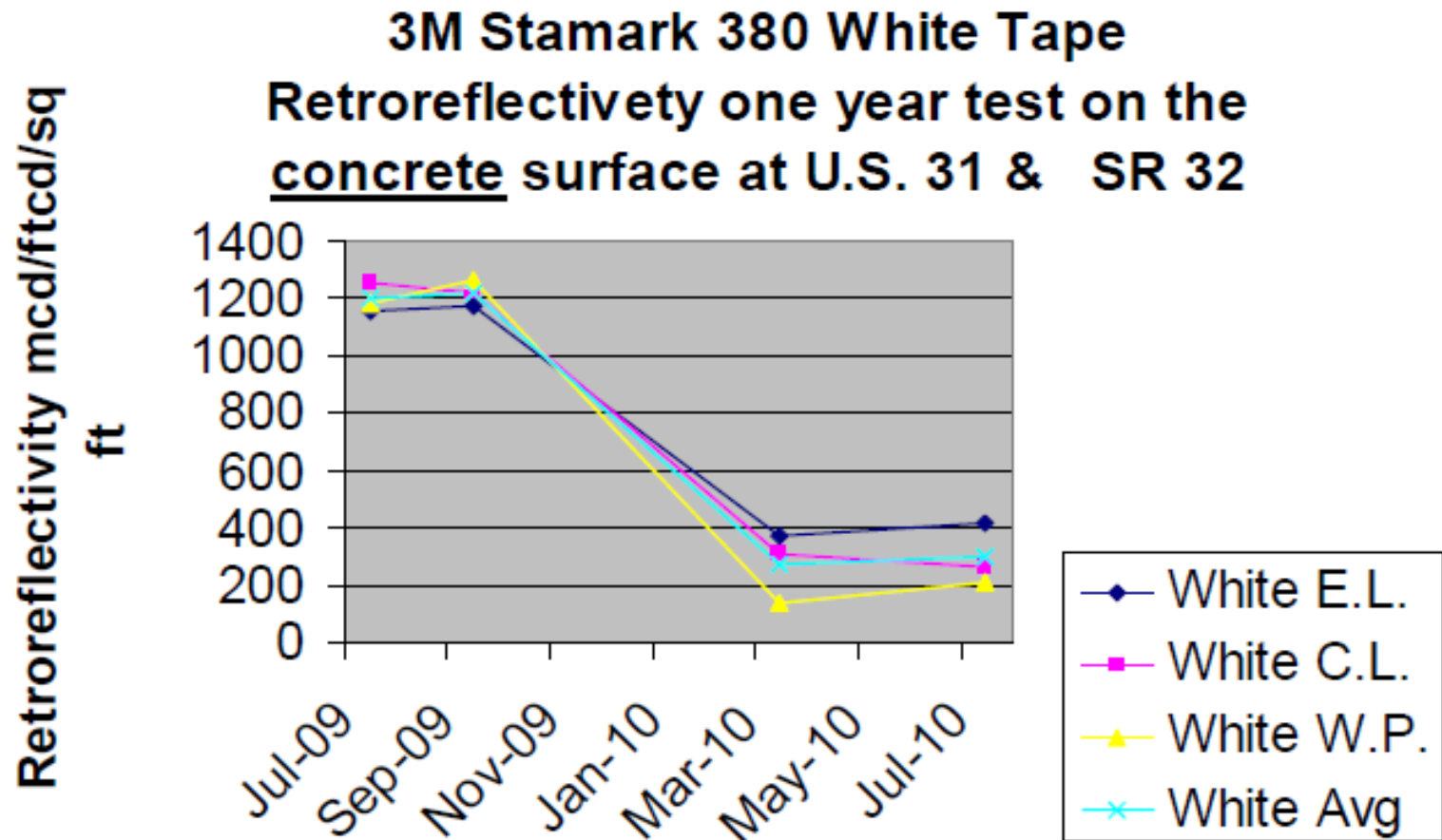
Surface Applied Preformed Tape



INDOT RETROREFLECTIVITY:



INDOT RETROREFLECTIVITY:



Grooved-in Installation



Grooved-in Installation



Grooved-in Thermo



Grooved-in Epoxy

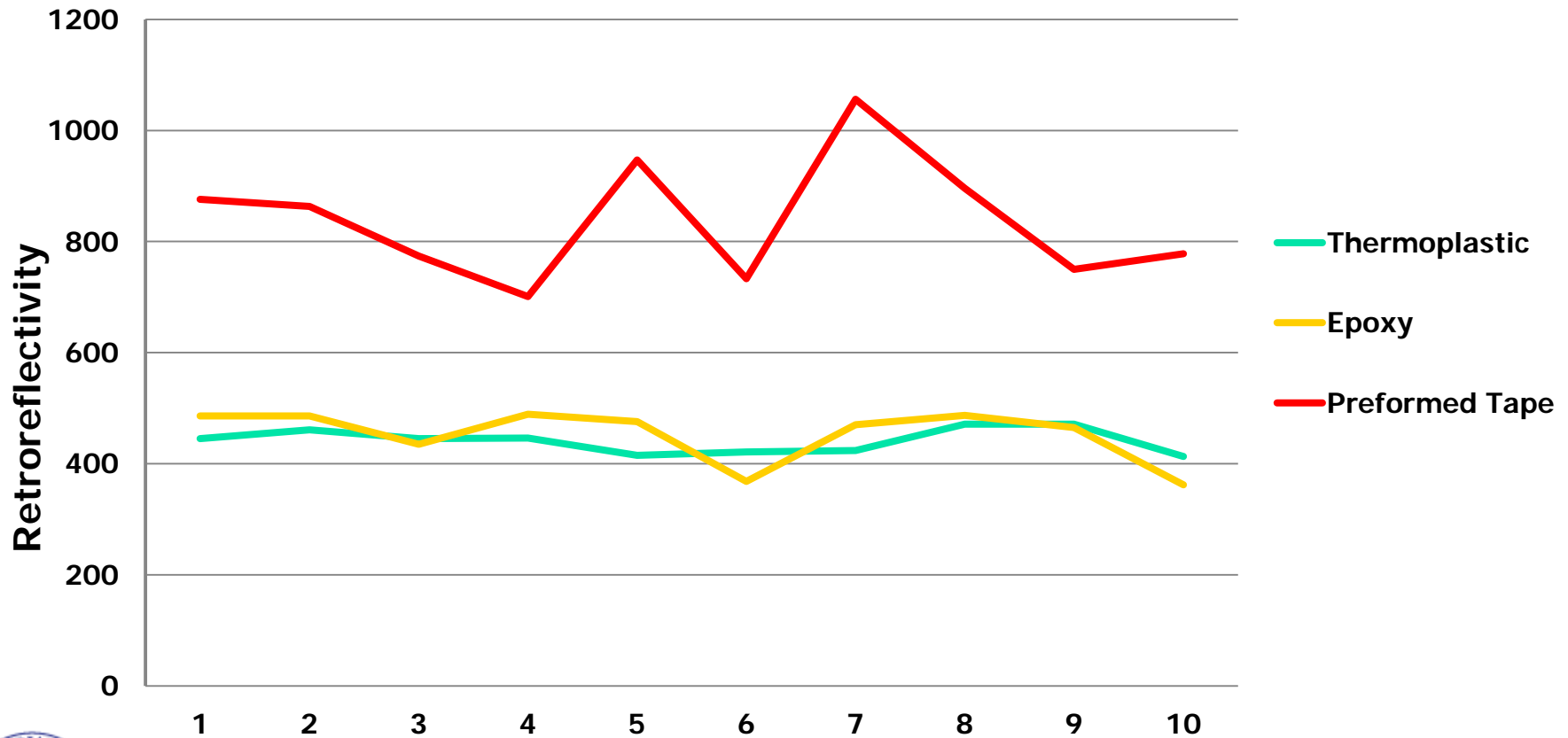


Grooved-in Preformed Tape



INDOT Durable Marking Retroreflectivity

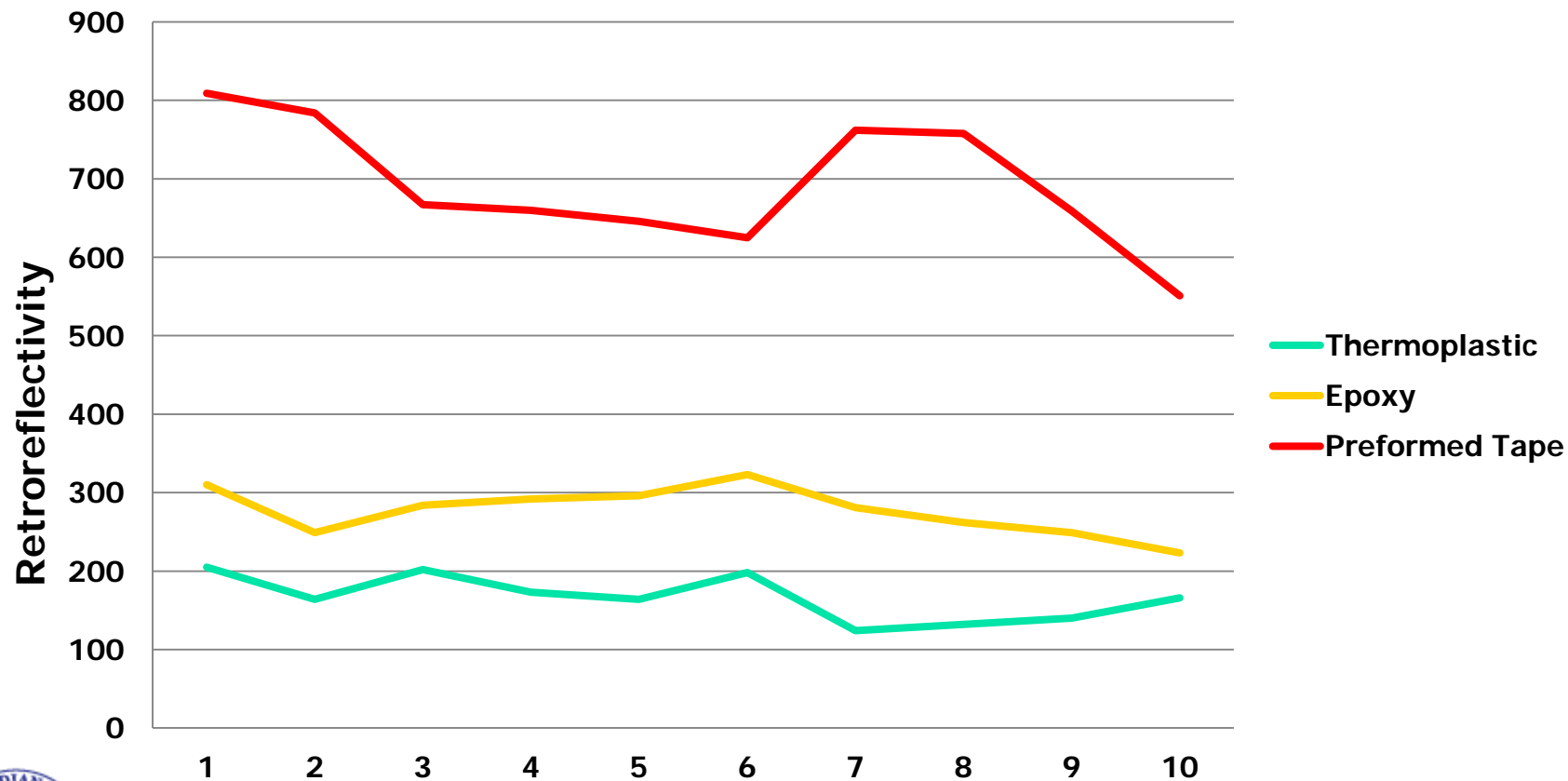
Retroreflectivity- White





INDOT Durable Marking Retroreflectivity

Retroreflectivity-Yellow





MAIN OFFICE
1965 Barrett Drive
Troy, MI 48064-5372
PHONE 248-362-2130
FAX 248-362-4969

To: _ESTIMATING DEPARTMENT_	Contact:
Address: -	Phone:
	Fax: (248) 362-4969
Project Name: BIRMINGHAM SPECIAL MARKINGS	Bid Number: 17-6749
Project Location: BIRMINGHAM	Bid Date: 6/14/2017

Line #	Item #	Item Description	Estimated Quantity	Unit	Unit Price	Total Price
--------	--------	------------------	--------------------	------	------------	-------------

OPTION 1

Pavement Markings

1		Pavt Mrkg, Waterborne, 18 Inch, Stop Bar	480.00	LF	\$3.8000	\$1,824.00
2		Pavt Mrkg, Waterborne, 24 Inch, Crosswalk	2,240.00	LF	\$5.5000	\$12,320.00
3		Recessing Pavement Markings, Transv	5,200.00	SF	\$2.5000	\$13,000.00

Total Price for above Pavement Markings Items: \$27,144.00

Total Price for above OPTION 1 Items: \$27,144.00

OPTION 2

Pavement Markings

4		Pavt Mrkg, Thermopl, 18 inch, Stop Bar	480.00	LF	\$7.0000	\$3,360.00
5		Pavt Mrkg, Thermopl, 24 Inch, Crosswalk	2,240.00	LF	\$9.0000	\$20,160.00
6		Recessing Pavement Markings, Transv	5,200.00	SF	\$2.5000	\$13,000.00

Total Price for above Pavement Markings Items: \$36,520.00

Total Price for above OPTION 2 Items: \$36,520.00

OPTION 3

Pavement Markings

7		Pavt Mrkg, Polyurea, 18 inch, Stop Bar	480.00	LF	\$6.0000	\$2,880.00
8		Pavt Mrkg, Polyurea, 24 Inch, Crosswalk	2,240.00	LF	\$8.0000	\$17,920.00
9		Recessing Pavement Markings, Transv	5,200.00	SF	\$2.5000	\$13,000.00

Total Price for above Pavement Markings Items: \$33,800.00

Total Price for above OPTION 3 Items: \$33,800.00

OPTION 4

Pavement Markings

10		Pavt Mrkg, Preformed Thermoplastic, 18 Inch, Stop Bar	480.00	LF	\$9.2000	\$4,416.00
11		Pavt Mrkg, Preformed Thermoplastic, 24 Inch, Crosswalk	2,240.00	LF	\$13.5500	\$30,352.00
12		Recessing Pavement Markings, Transv	5,200.00	SF	\$2.5000	\$13,000.00

Total Price for above Pavement Markings Items: \$47,768.00

Total Price for above OPTION 4 Items: \$47,768.00

Notes:

- QUOTE IS BASED ON ONE MOVE-IN FOR FINAL MARKINGS.
- WORK TO BE DONE IN ACCORDANCE WITH MDOT SPECIFIED APPLICATION RATES INCLUDING GLASS BEADS.
- PAYMENT TO BE MADE BASED ON QUOTED UNIT PRICES.

**MAIN OFFICE**

1965 Barrett Drive
Troy, MI 48064-5372
PHONE 248-362-2130
FAX 248-362-4969

To: _ESTIMATING DEPARTMENT_ Address: -	Contact: Phone: Fax: (248) 362-4969
Project Name: BIRMINGHAM SPECIAL MARKINGS Project Location: BIRMINGHAM	Bid Number: 17-6749 Bid Date: 6/14/2017

ACCEPTED:

The above prices, specifications and conditions are satisfactory and are hereby accepted.

Buyer: _____

Signature: _____

Date of Acceptance: _____

CONFIRMED:

PK CONTRACTING, INC.

Authorized Signature: _____

Estimator: _____

***** QUOTATION *****

Hart Pavement Striping

P.O. Box 300998, Waterford, MI 48330
(248) 673-3503 Fax: (248) 673-3438
www.hartpavement.com

Nicholas J. Dupuis
Intern, Planning Department



Email: ndupuis@bhamgov.org
Office: 248-530-1856
Cell: 248-320-1287

Location: City of Birmingham (172 different locations)

SERVICES INCLUDE: Waterborne paint only.

To grind old crosswalks as needed to install 2240 feet of crosswalk (10 intersections) and paint 8 foot by 2 foot, 2 foot skip continental block crosswalks and stripe 480 of stop bar. The price is \$65,000.00.

TOTAL FOR SERVICES LISTED ABOVE: see above

Pricing is for items listed above only. All other items will be charged at an additional cost.

Hart Pavement must approve any additions to or subtractions (including bonds and dues) from the original bid.

All materials are guaranteed to be as specified. All signs are guaranteed to meet standard specifications and MDOT specifications when warranted. All work is to be completed in a workmanlike manner according to standard practices. Any alterations or deviations from specifications, involving extra costs will be executed only upon written order, and will become an extra charge over and above the estimate. All agreements are contingent upon strikes, accidents, acts of God or delays beyond our control. It is assumed the owner to carry fire, tornado, or necessary insurance. We carry, and our workers are fully covered by Worker's Comp and Commercial General Liability Insurance. Any permits, bonds, or dues, if required, are not included unless stated above. Terms are net 20 days. After 20 days-upon completion of the services, a monthly service charge of 1.5% on the unpaid balance will be assessed, unless other written arrangements have been made between both parties involved. Minimum striping charge per trip is \$200.00. Due to weather conditions, no guarantee is given on work performed after October 15 and before April 1 of the following year. This bid is null and void after 60 days.

As Submitted by: Dann Hart Date: June 20, 2017

Please send back with P.O. # or Signature: _____

Date: _____

Quotation must be signed & sent back for us to perform work. Faxed copies are acceptable.



JOB DESCRIPTION: City of Birmingham

TOTAL BID	\$ 69,840.00
------------------	---------------------



MEMORANDUM

Engineering Dept.
Planning Department
Police Dept.

DATE: May 18, 2018

TO: Joseph A. Valentine, City Manager

FROM: Jana Ecker, Planning Director
Scott Grewe, Police Dept.
Paul O'Meara, City Engineer

SUBJECT: Residential Street Width Standards

On January 22, 2018, the City Commission considered future street widths for Bennaville, Chapin and Ruffner. Several residents appeared on behalf of Bennaville Ave., and additional residents appeared on behalf of the one block of Chapin Ave. After much discussion, the City Commission endorsed the recommendations of the Multi-Modal Transportation Board ("MMTB") with regards to the future street width. However, during the discussion, the Commission expressed confusion as to what the City's policy is for determining the width of a new street. As a result, the MMTB was asked to study the issue in further detail, and send information and policy direction back to the Commission.

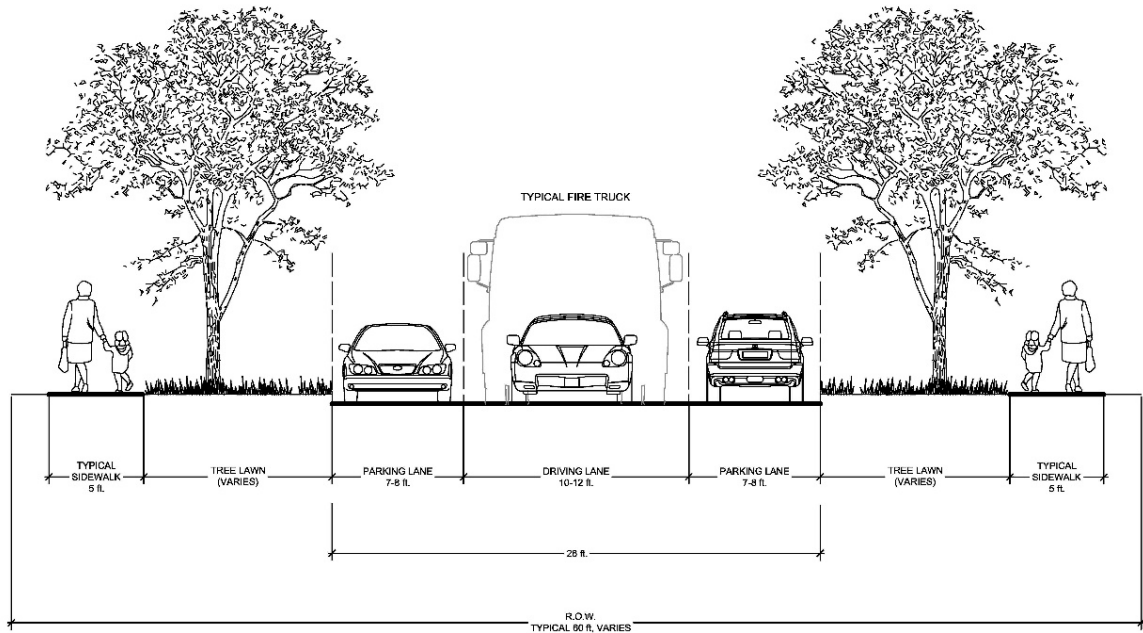
Accordingly, in March 2018, the MMTB began their discussion by identifying goals for residential road width standards, and reviewed the national standards and best practices from professional organizations and peer cities. The board agreed that standards should be created, but that there may be factors to permit some modifications if certain criteria are met.

On May 3, 2018, the Multi-Modal Transportation Board passed a unanimous motion to recommend approval of Residential Street Width Standards to the City Commission. Please find attached all research considered by the MMTB, draft standards and all staff reports and minutes from the MMTB discussions for your review.

Suggested Action:

To approve Residential Street Width Standards as recommended by the Multi-Modal Transportation Board on May 3, 2018.

BIRMINGHAM RESIDENTIAL STREET DESIGN STANDARDS



INTENT: The purpose of these standards is to provide consistent street widths throughout the city but with flexibility for very specific situations. The goals for identifying a standard road width for residential roads include the following:

- Functionality;
- Consistency;
- Accident reduction;
- Traffic calming;
- Expediency in planning and engineering;
- Infrastructure costs; and/or
- Storm water runoff management.

The following standards are based on residential street design recommendations published by AASHTO, the Institute of Transportation Engineers (ITE), the Urban Land Institute (ULI), the Congress for New Urbanism, NACTO and those used by peer cities. Using those standards as a base, these standards are also based on emergency response access, winter weather, the existing street widths in the city, and the characteristics of different neighborhoods in the City. These widths typically allow for parking along both sides of the street with room for a vehicle to pass in one direction. When there is opposing traffic (vehicles going both ways) one of the motorists will need to yield to the other. This is commonly classified as a "Yield" or "Courtesy" Street.

STREET DESIGN STANDARDS (see also attached flow chart):

1. NEW AND EXISTING, UNIMPROVED RESIDENTIAL STREETS THAT ARE BEING IMPROVED

When streets are improved or newly constructed, the standards below shall be strictly applied:

- a. **Standard Streets:** 26 ft. in width from curb to curb.
- b. If the right-of-way is less than 50 ft., the street width shall be a minimum of 20 ft. with parking allowed on one side only (generally the side without fire hydrants).

2. EXISTING, IMPROVED RESIDENTIAL STREETS

When previously built streets are reconstructed, this standard shall generally be applied. Exceptions may be considered when factors, such as those described in Section 4, are evident.

Standard Streets: 26 ft. in width from curb to curb.

Existing Street is 28 feet or less in width: If existing street width is 28 ft. or less in width, street shall generally be reconstructed at the existing width.

3. PUBLIC NOTICE AND PUBLIC HEARING

Whenever there is a street project where a change in the existing width is being considered, the Multi-Modal Transportation Board shall have a Public Hearing to inform residents of the project and provide an opportunity for comment. The City shall post a sign along the street that announces street project. Design details shall be advertised and posted on the City's website. If residents express a desire for a non-standard street width at a public meeting or through a public survey of street residents, those preferences shall be considered. However, engineering or safety factors listed in Section 4 must also be present to support a design exception.

4. EXCEPTIONS AND MODIFICATIONS TO THE WIDTH STANDARDS

Any modification must be consistent with the Intent of these standards and the engineering publications upon which they are based. Street width exceptions may only be approved to a minimum of 20 ft. and a maximum of 30ft. Modifications to street widths may only be considered if one or more of the following conditions exist:

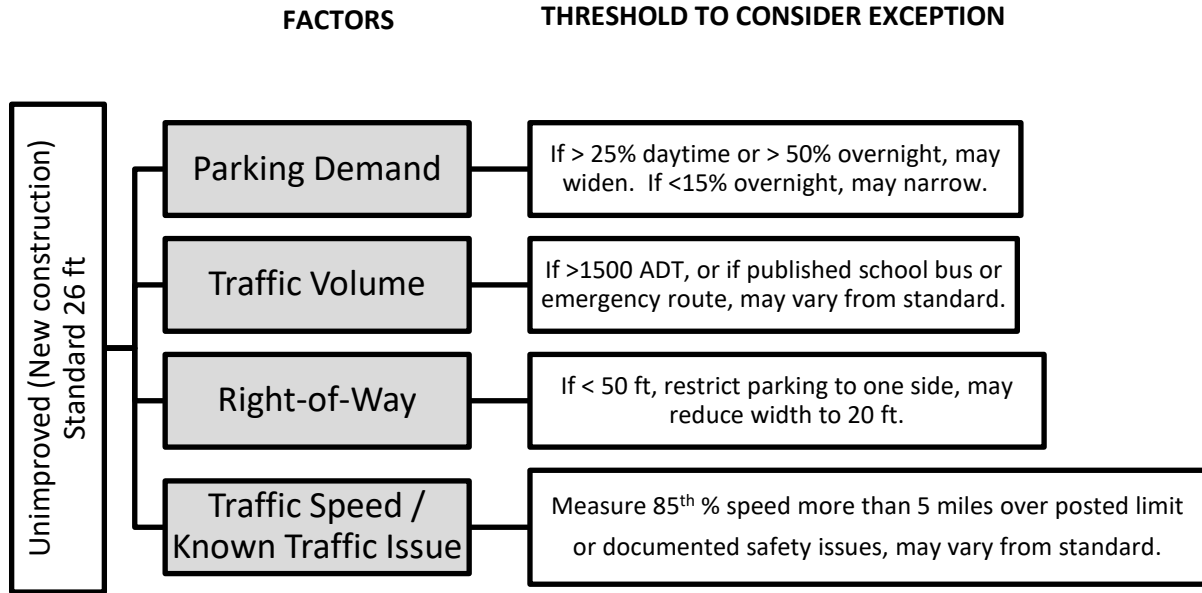
- a. High or low frequency of use of on-street parking. When surveyed on-street parking is utilized 15% or less overnight, the width may be reduced. When parking density is classified as highly utilized, defined as over 25% occupancy throughout the day or more than 50% of the available curb space used overnight, the width may be increased. For calculation of parking, a minimum length of 22 ft. shall be used and not include driveways, spaces adjacent to fire hydrants, or other locations where parking is not allowed.
- b. Daily traffic volumes exceed 1500 vehicles.

- c. The street is a published school bus route used by the Birmingham Public Schools or is a frequent emergency response route.
- d. Street is adjacent to a school, religious institution, City park, multiple-family residential development, or other use with access that generates higher traffic volumes.
- e. Presence of street trees, especially healthy, mature trees, such that rebuilding the road as proposed would result in the removal of two or more trees on any given block.
- f. A speed study confirms that the 85th percentile speed is more than 5 miles per hour over the posted speed limit and/or city police or engineering departments have documented operational or safety concerns related to traffic patterns along the street.
- g. Street may be as narrow as 20 ft. with parking on one side only if right-of-way is less than 50 ft.

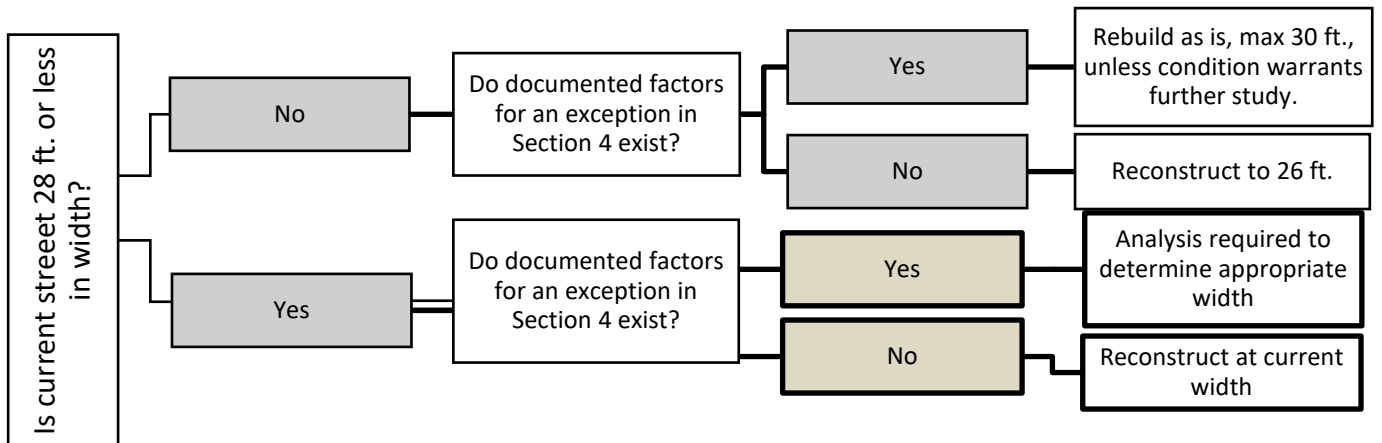
5. BOULEVARD STREETS

Reconstruction of streets with a boulevard, median, or other unique design feature, shall be reconstructed to match the current configuration unless geometric changes are needed based on safety or engineering analysis.

BIRMINGHAM RESIDENTIAL STREET DESIGN STANDARDS



RECONSTRUCTION OF IMPROVED STREET





MEMORANDUM

Engineering Dept.
Planning Department
Police Dept.

DATE: February 23, 2018

TO: Multi-Modal Transportation Board

FROM: Lauren Chapman, Assistant City Planner
Scott Grewe, Police Dept.
Paul O'Meara, City Engineer

SUBJECT: Street Widths- History

The Multi-Modal Transportation Board (MMTB) recently reviewed conceptual designs for three local streets planned for reconstruction in 2018. A public hearing was held, and a final recommendation for the streets was passed on to the City Commission on a vote of 4-3. As you may recall, at the public hearing, several residents appeared before the Board asking that Bennaville Ave. not be reduced in width (as proposed). A smaller number of residents appeared asking that the block of Chapin Ave. east of Cummings St. also not be reduced in width.

When the City Commission reviewed the issue at their meeting of January 22, 2018 several residents again appeared on behalf of Bennaville Ave., and additional residents appeared on behalf of the one block of Chapin Ave. After much discussion, the City Commission endorsed the recommendations of the MMTB, also on a vote of 4-3. As a part of the discussion, the Commission expressed confusion as to what the City's policy is for determining the width of a new street. As a result, the MMTB was asked to study the issue in further detail, and send information and policy direction back to the Commission.

GOALS

The goals for identifying a standard road width, for residential roads are: functionality, consistency, accident reduction, traffic calming, expediency in planning and engineering, infrastructure costs. A standard does not mean that all streets will be uniform; a standard creates a basis for consideration.

HISTORY

The majority of the public rights-of-ways in Birmingham were created prior to World War II. In this era, cities accepted new public streets from developers with little investment. Streets were typically gravel, and often lacked drainage outlets. As subdivisions became more populated and expectations rose, residents looked to the City to get their street paved. As was standard practice then (as it is now), cities can

Street Widths- History

construct a localized improvement such as a new street pavement, and charge the adjacent property owners for some or all of the cost. Under this guideline, some streets were paved as early as the 1910's, while others have never been paved. In Birmingham, unpaved streets began being oiled and then chip sealed starting in the late 1940's, removing many of the problems generally experienced with gravel roads.

In order to get a road paved, residents petition the City and request the improvement. The improvement is generally not considered until a petition showing that over 50% of the owners are in favor of the idea can be presented. High costs today continue to keep the number of streets being paved relatively low. Recently, the City Commission has authorized the formation of an Unimproved Streets Study Committee that will be meeting to discuss the special assessment procedure in detail, and potentially considering alterations to that policy as well.

In Birmingham, once a street has been constructed with a permanent pavement, the City has promised to maintain it into the future, at no additional cost to the adjacent property owners. Since a local street typically has a service life of 60 to 90 years, discussions pertaining to the policy of the width for a new street have always pertained to the construction of new streets that have never had a pavement with curbs. The current policy, passed in 1997, also focused exclusively on the construction of new streets. Since reconstruction of existing streets had not been frequent, even at that time, the unwritten expectation has been that the road would be reconstructed to match the road as it was built the first time.

The following describes the standards passed for new street paving projects, as of 1977:

1977

In 1977, the City Commission adopted Engineering Design Standards relating to pavements and street widths. These standards were in existence prior to this date and formalized by the Commission at that time. The City was substantially consistent with the city design standards when recommending street improvements.

These standards note the width of roads in relation to the level of use it gets. It was divided into three categories: streets in commercial areas, streets in residential areas, and cul-du-sacs. The adopted standard was for a 36 foot street in commercial areas, and 28 foot width in residential area. Residential cul-du-sacs maintain a 24 foot width.

1994

During the public hearing for Henrietta Street the City Commission directed city staff to examine the existing policy pertaining to street improvements as it relates to street widths. Goals included letting the public know what the benefits are to the property owners for making these street improvements, what the design standards are, and what options may be available to them when requesting this improvement.

Street Widths- History

City Commissioners suggested that standards be set so these details need not be revisited each time a street is recommended for improvement. It was the Engineering Department's opinion there existed standards that the City has substantially followed when making recommendations throughout the years.

The City Commission reviewed which streets were fire routes and per the recommendation by the fire chief adopted a standard of 29 feet for residential streets.

1996

At the December 16, 1996 City Commission meeting three local streets were approved for permanent surface improvements. In conjunction with the discussion it was suggested the issue of residential street widths be placed on the agenda for the 1997 Long Range Planning Meeting.

Downtown 2016 Plan

The Downtown Birmingham 2016 Plan is a master plan that was created in 1996 and was intended for use for the next twenty years. Pages in the appendix of the plan recommended street widths based on type and rationale for the widths in the form of a decision tree and examples from AASHTO and the City of Portland. The recommended width for a "subcollector" road (similar to the typical Birmingham residential street) was 28 ft.

1997

The City Commission voted to reduce the residential street width standard by 2 feet to 26 feet, with parking on two sides and 20 feet with parking on one side.

2013

In 2013, the City Commission created a steering committee to oversee the creation of a Multi-Modal Transportation Master Plan. The consultant The Greenway Collaborative was hired to prepare the plan. During this process, the steering committee not only worked with the consultant, they also helped direct the final cross-sections for the important collector streets planned for 2014:

Lincoln Ave. – Southfield Rd. to Woodward Ave.
N. Eton Rd. – Derby Rd. to Yorkshire Rd.

The Multi-Modal Transportation Master Plan was adopted in 2014 as a long term guide to the City's transportation network. A new Multi-Modal Transportation Board was formed to help oversee the implementation of the new plan, as well as take over the duties of the former Traffic & Safety Board.

Since then, the new board has studied each of the City's upcoming street projects from a multi-modal perspective.

2018 Local Street Paving Program

This year the City will be reconstructing three streets first paved in the late 1940's (Bennaville Ave., Ruffner Ave., and Chapin Ave.). Staff approached this study with two objectives:

1. The Master Plan did not provide any recommendations on the three streets. Even so, a closer discussion with input from the Board may result in possible refinements to the current conditions.
2. While the unwritten policy of rebuilding streets at their current widths should be used as a starting point, staff had identified some potential issues with following this approach on these three streets:
 - a) Bennaville Ave. was constructed at a width (32 ft.) much greater than current policy would dictate. The Board would provide an avenue to open the discussion about the benefits and/or drawbacks of reconstructing the street to match the current standard of 26 ft.
 - b) Portions of Ruffner Ave. and Chapin Ave. were first constructed at 28 ft. These same sections also had several mature trees growing immediately adjacent to, or on top of, the old curb. Reconstruction of the streets at this width would mean automatically removing several mature trees. However, reducing the widths to 26 ft. (thereby matching the current standard), would give us the ability to attempt to save the majority of them.

As discussed above, both the MMTB and the City Commission struggled with the decisions as to whether to narrow the streets for the reasons listed above. The recommendations of the Board stirred up strong feelings among residents on two of the streets. As a result, split votes resulted both at the Board level, as well as at the City Commission level. The Board is now being asked to research national standards for residential road widths, the advantages and disadvantages of narrow and wide streets, determine what other cities are using as standards for constructing or reconstructing streets, and to consider detailed standards for use in the City of Birmingham. The City Commission also asked for some guidance on when (or if) to allow variance from these standards. The following is meant to be a draft outline that is intended to stimulate input from the Board. Once the input is received, staff will attempt to finalize a new policy statement on this issue for the future.

CURRENT POLICY REGARDING STREET WIDTHS

UNIMPROVED STREETS

From staff's perspective, the current standards for unimproved streets, now in place since 1997, have worked well.

As shown on the attached list at the end of this report, the current street width policy has been followed. Once a new street is constructed, very few, if any, complaints are

ever received from residents relative to the street width used for their new street. Residential sections have been consistently built at 26 ft., and commercial sections have been built at 36 ft., as directed in the policy. An option for a 20 ft. street also exists, which residents can consider if they so desire. Unique circumstances such as needing to accommodate a student drop off area at a parochial school (on Harmon St.) have also worked well.

Given the positive track record of the past 20 years, staff would recommend that the current policy concerning street widths for unimproved streets continue to be the starting point in the discussion. If future streets are subject to changes by the MMTB, it will be important to consider that creating a petition that shows that over 50% of the residents are in favor of a special assessment can be a difficult and time consuming process. If the MMTB were to enter the discussion after the petition has been created, this may result in some signers no longer supporting the project, which could then jeopardize the whole project. How and when the MMTB is involved in this process needs to be considered.

IMPROVED STREETS

The City is financially responsible for the reconstruction of improved street pavements that are nearing the end of their lifespan. Reconstruction offers the opportunity to review the current conditions in light of current standards, and consider if there is a potential need for change. Factors to consider in this discussion currently include, in alphabetical order:

1. MULTI-MODAL IMPROVEMENTS – A review of the Master Plan is required to be included with each street review. If ideas were provided in the Master Plan, the Board considers the recommendations in their totality to verify if they should be implemented as a part of the upcoming project. If there are no specific recommendations in the Master Plan, the Board will discuss improvements that can be included that would bring multi-modal improvements to the area.
2. NEIGHBORHOOD DENSITY – The board also considers the extent to which the land uses and density of uses on the street impact parking demand. The board reviews whether there are any unique conditions that would result in less or more than the usual parking demand. If parking demand is less than normal, should parking be limited to one side of the street, and if so, the board will consider which side of the street may be better for on-street parking

OWNER PREFERENCE – The board holds a public hearing on all proposed road improvements to gather input from adjacent residents and property owners. While the City may have established guidelines and attempt to follow current best practices in the industry, the property owners living on the street often have preferences that are counter to the direction that the best practice standards would dictate.

3. RIGHT-OF-WAY – The board also considers the existing right-of-way for each street. Most local streets have an existing right-of-way between 50 and 60 ft., with which the current 26 ft. wide standard works well. If the right-of-way is less than 50 ft. however, the board may consider a narrower street in order to provide the required space for City sidewalks and street trees.

TRAFFIC ISSUES – The board will conduct a review of the history of traffic issues on a street, which typically includes a review of speeding and cut-through traffic complaints. Staff can provide speed and traffic count data with each street being studied.

4. TREES – Finally, the board will consider the location and health of the existing tree canopy when considering the width for a reconstructed street. Streets with 50 ft. rights-of-way (or less) tend to have conditions where trees are given less than ideal conditions to grow, due to lack of space. If a street has mature trees that can be damaged or require removal during a street reconstruction project, these factors need to be considered.

Attached are two lists that indicate the history of street construction going back to 2000. The first list documents local streets that have been reconstructed. Comments are added in the right column if unique circumstances dictated that the street be rebuilt at a width different than what was done the first time. The second list documents all local streets built with a new pavement for the first time since 2000. Comments added on the right column describe conditions where the pavement was built at a width other than the standard, due to unique circumstances.

REVIEW OF BEST PRACTICES AND NATIONAL STANDARDS

Please find attached a letter from MKSK with attachments that summarize their research on national standards and best practices for residential street design. MKSK has reviewed numerous sources and compiled their findings for your review and discussion. In addition, MKSK has surveyed local peer communities to determine residential street standards for other Michigan communities.

As stated above, this is a topic that requires discussion and input from the Board before being finalized. The Board is encouraged to consider the factors above, as well as others that they may wish to introduce, to help finalize a final policy recommendation for the consideration of the City Commission.

(Previously Unpaved)						
Street Name	From	To	Year Built	Width, Face to Face (Feet)	Previous Width	Comments
Davis	Grant	Woodward Alley	2000	26	NA	
Davis	Woodward Alley	Woodward	2000	36	NA	Commercial Section
Willits	Greenwood	Chester	2000	26	NA	
Watkins	Brown	Lincoln	2001	20	NA	Width directed by Commission after resident survey was split 50/50
Stanley	Hanna	Wallace	2001	26	NA	
Henrietta	Frank	Lincoln	2001	26	NA	
Hazelwood	Oak	Vinewood	2003	26	NA	
Oak	Lakeview	Greenwood	2003	20	NA	40 Foot Right-of-Way
Knox	West End	Poppleton	2003	26	NA	
Humphrey	Grant	Woodward Alley	2004	26	NA	
Humphrey	Woodward Alley	Woodward	2004	36	NA	Commercial Section
S. Worth	Haynes	Alley	2005	36	NA	Commercial Section-Matches remainder of block
Harmon	Lakeside	West of Old Woodward	2005	26	NA	Except as noted on next two lines
Harmon	Greenwood	Woodland	2005	32	NA	Widened to accommodate bus loading area at Holy Name
Harmon	West of Old Woodward	Old Woodward	2005	36	NA	Adjacent Booth Park, contains metered parking
Washington	Lincoln	14 Mile	2005	26	NA	
Fairway	330 Ft. W. of Pleasant	Pleasant	2005	26	NA	
Northlawn	Stanley	Washington	2005	26	NA	
Greenwood	Harmon	Willits	2006	26	NA	
Wakefield	Southfield Alley	Southfield	2006	34	NA	Commercial section with head-in parking beyond
Greenwood	Oak	Harmon	2007	26	NA	
Baldwin	Harmon	Randall	2008	26	NA	
Baldwin	Randall	Maple	2008	20	NA	As requested by residents
Clark	George	Lincoln	2014	26	NA	

Street Widths- History

(Reconstruction)						
Street Name	From	To	Year Built	Width, Face to Face (Feet)	Previous Width	Comments
Ruffner	Adams	Torry	2001	26	26	
Humphrey	Woodward	Torry	2001	26	26	
Bennaville	Woodward	Torry	2001	26	26	
Emmons	Grant	Cummings	2001	26	26	
Daines	Purdy	Old Woodward	2002	26	26	
Melton	Eton	14 Mile	2003	28	28	
Holland	Adams	Eton	2004	29	29	
Shipman	Southlawn	14 Mile	2005	28	28	
Birmingham	Lincoln	14 Mile	2005	32	32	
Henrietta	Lincoln	Northlawn	2005	28	28	
Northlawn	Shipman	Birmingham	2005	32	32	
Northlawn	Birmingham	Stanley	2005	28	28	
Northlawn	Washington	Pierce	2005	28	28	
Southlawn	Southfield	Shipman	2005	28	28	
Southlawn	Birmingham	Stanley	2005	28	28	
Yorkshire	Adams	East End	2006	24	24	
Rugby	Yorkshire	Maple	2006	24	24	
Cambridge	Dorchester	Maple	2006	24	24	
Southlawn	Pierce	Grant	2006	28	28	
Edgewood	Southlawn	14 Mile	2006	28	28	
Grant	Emmons	Davis	2006	28	28	
Buckingham	Adams	Cambridge	2007	24	24	
Dorchester	Adams	East End	2007	24	24	
Rugby	Buckingham	Yorkshire	2007	24	24	
Cambridge	Buckingham	Dorchester	2007	24	24	
Aspen	Maple	Hawthorne	2008	16	18	Staff discussed with residents, determined old road was too narrow
Hawthorne	Maple	Linden	2008	16	18	Staff discussed with residents, determined

Street Widths- History

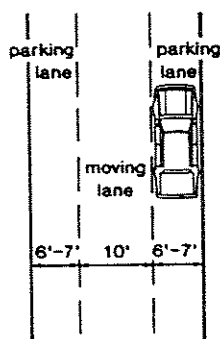
						old road was too narrow
Bowers	Adams	Hazel	2009	28	28	
Hazel	Bowers	Columbia	2009	28	28	
Pierce	Merrill	Brown	2009	40	40	
Townsend	Henrietta	Pierce	2009	32	32	
Bates	Martin	Brown	2010	36	36	
Henrietta	Martin	Brown	2010	32	32	
Townsend	Chester	Henrietta	2010	32	32	
George	Pierce	Old Woodward	2010	24	24	
St. Andrews	Pembroke	Maple	2011	28	28	
Graefield	Derby	Eton	2012	32	32	
Graefield Ct.	North End	Graefield	2012	26	26	
Pierce	Maple	Merrill	2013	40	40	
Merrill	Pierce	Old Woodward	2013	40	40	
Cole	Adams	Eton	2013	28	30	Narrowed in order to save large trees
Torry	Webster	Lincoln	2013	32	32	
Mohegan	Oxford	Adams	2014	24	24	
Kennesaw	Oxford	Adams	2014	24	24	
Oxford	Wimbledon	S. of Kennesaw	2014	24	24	
Poppleton	N. of Mohegan	S. of Kennesaw	2014	24	24	
Oak	Chesterfield	Lakepark	2015			

Residential STREETS

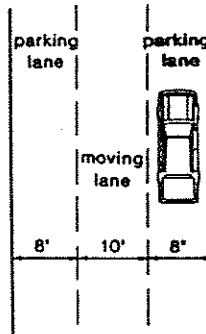
Second Edition

American Society of Civil Engineers
National Association of Home Builders
ULI—the Urban Land Institute

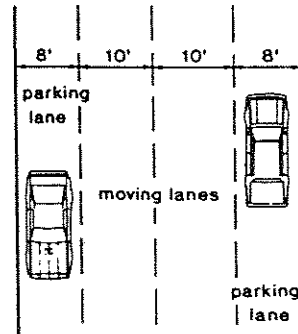
In 1986, the American Society of Civil Engineers (ASCE), the National Association of Home Builders (NAHB), and ULI—the Urban Land Institute (ULI) began discussing the need for a new book on residential streets to update and expand the general principles and design considerations outlined in the organizations' joint 1974 publication. Over the years, all three organizations have received inquiries into street design issues from developers, engineers, planners, and public officials. Agreeing on the need for a new book, ASCE, NAHB, and ULI established a task force composed of representatives of each organization. The task force members were charged with contributing material, reviewing and commenting upon drafts, and reaching consensus on the document. ASCE, NAHB, and ULI believe that their collaborative efforts will contribute to more appropriate residential street designs that balance considerations of safety and efficiency, cost effectiveness, livability, and community attractiveness.



access



subcollector



collector

EXCERPT FROM *RESIDENTIAL STREETS*

AASHTO—Geometric Design of Highways and Streets

Number of Lanes

On residential streets in areas where the primary function is to provide land service and foster a safe and pleasant environment, at least one unobstructed moving lane must be ensured even where parking occurs on both sides. The level of user inconvenience occasioned by the lack of two moving lanes is remarkably low in areas where single-family units prevail. Local residential street patterns are such that travel distances are less than 0.5 mi between trip origin and a collector street. In multifamily-unit residential areas a minimum of two moving traffic lanes to accommodate opposing traffic may be required. In many residential areas a 26-ft-wide roadway is typical. This curb-face-to-curb-face width provides for a 12-ft center travel lane and two 7-ft parking lanes. Opposing conflicting traffic will yield and pause on the parking lane area until there is sufficient width to pass.

In commercial areas where there will be several midblock left turns it may be advantageous to provide an additional continuous two-way left-turn lane in the center of the roadway.

Width of Roadway

Street lanes for moving traffic preferably should be at least 10 ft wide. Where feasible they should be 11 ft wide, and in industrial areas they should be 12 ft wide.

WHAT ARE SKINNY STREETS?

The City of Portland requires most newly constructed residential streets to be 30 or 26 feet wide, depending on neighborhood on-street parking needs. In the past, residential streets were required to be as wide as 32 feet. To achieve the benefits described below, the City reduced residential street widths.

Why create skinny streets in neighborhoods?

Allowing newly-paved residential streets to be narrower provides many benefits to area residents. Skinny streets help preserve neighborhood livability, while improving access to homes. Some benefits are:

Maintain neighborhood character.

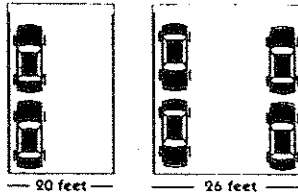
Construction of a wide paved street to replace a narrow unimproved road can change a neighborhood's atmosphere. Skinny streets reduce the impact on slopes and contours, on yards and on neighborhood self-image.

Lower construction costs.

Construction of narrower streets costs less. This means that residents who want to improve existing streets are able to do so for less money and developers can create new neighborhood streets less expensively.

Save vegetation & trees.

In existing neighborhoods, narrower paving widths reduce the need to cut trees and shrubs along the street.



Reduce stormwater runoff.

Paved streets are a major source of stormwater runoff. Pollutants from autos, as well as fertilizer, pesticides and other contaminants, are collected in stormwater, which flows into storm sewers. Eventually, this dirty water reaches area streams and rivers. Reducing pavement reduces stormwater runoff and allows more water to soak directly into the ground.

Encourage traffic safety.

Narrower streets discourage non-neighborhood traffic and force drivers to slow down.

Encourage better land-use.

As stewards of our natural resources, we know that streets aren't the best use of existing undeveloped land. With skinny streets, in new developments we have more room to house our growing population while reducing the amount of land reserved for traffic use.

Who decides on a street's width?

If you live on an unimproved street, you may be considering forming a Local Improvement District (LID) to complete your street. With an LID, you and the other property owners on your street would pay for improvements, and the City would be responsible for future maintenance.

In that case, you and other participating property owners can help design what your street will look like. Collectively, you can decide if you want parking on one or both sides of the street. This will determine how wide the street will be.

In new neighborhoods, developers will select the street width they believe to be most appropriate within the city guidelines.

Can emergency vehicles reach my home?

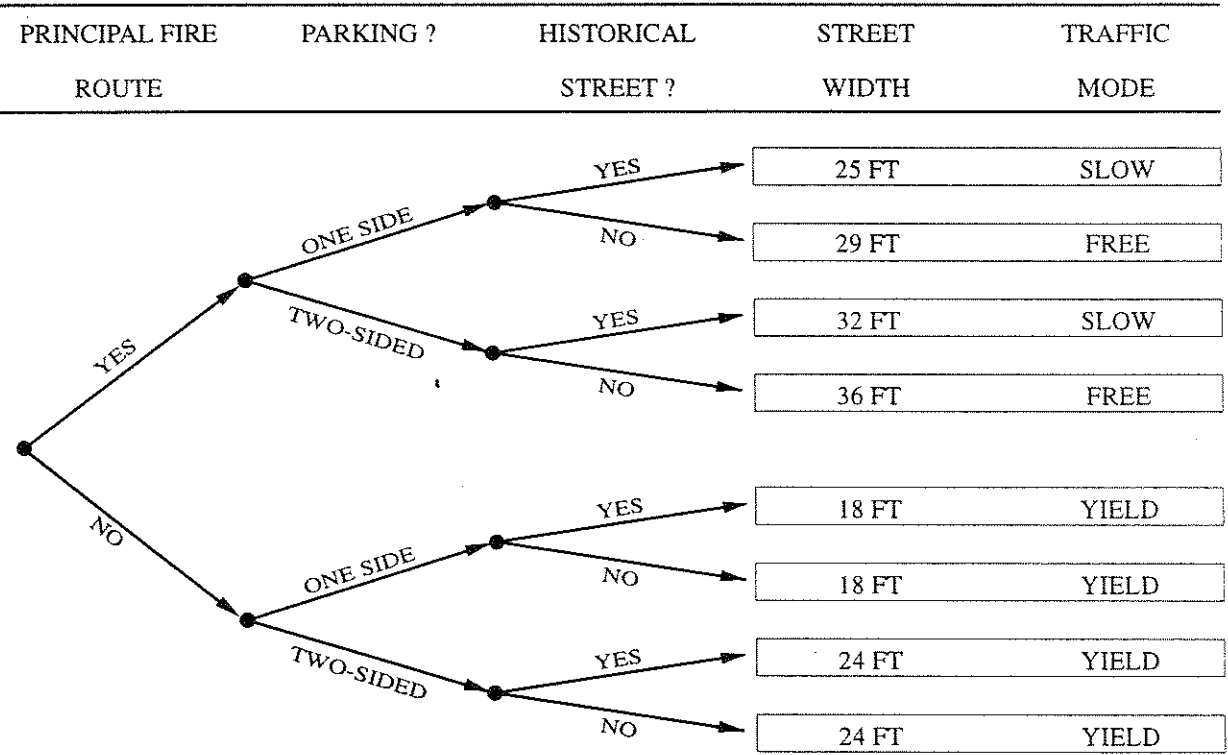
The Fire Bureau participated in exercises in older neighborhoods with narrow streets. The Bureau found that street widths based on skinny street guidelines will provide adequate access for emergency vehicles.

How Can I Learn More About SKINNY STREETS?

The City of Portland's Office of Transportation has set up the Local Streets Outreach Program. If you would like more information, or if you're interested in a presentation about skinny streets, please contact:

(503) 823-7046

EXCERPTS FROM THE AASHTO MANUAL AND SKINNY STREETS



STREET WIDTH DECISION TREE

Legend

Right_of_Way

— <all other values>

Right of Way

— Non-Local

_____ 20 ft

_____ 30 ft

_____ 40 ft

_____ 50 ft

_____ 60 ft

_____ 66 ft

70 ft

75 ft

80 ft

86 ft

Alley

Private



Legend

Curb_Face

<all other values>

Face To Face Widths

Unimproved Streets

16 ft

18 ft

20 ft

22 ft

24 ft

26 ft

28 ft

30 ft

32 ft

34 ft

36 ft

38 ft

40 ft

44 ft

Not Paved



To: City of Birmingham, City Commission
From: Brad Strader, PTP, MKSK
Date: February 22nd, 2016

MKSK

4219 Woodward Avenue
Suite 305
Detroit, MI 48201
313.652.1101

RE: Street Widths on Residential Streets

This memo is in response to a request by the City Commission to have the Multi-Modal Board research standards for curb-to-curb widths on residential streets. Specifically the request was for precedents and implications for different street width from.

We have begun research on this topic. This serves as an interim report on the information found thus far. There is limited data on street widths at this level of detail. Most information published is in regards to collector and arterial streets, not residential streets.

This packet of information includes:

1. Information we have found to-date from peer cities
2. Published recommendations for residential street width from national organizations
3. Background information and street width data for the City of Birmingham prepared by City Staff (under separate cover)

One of the questions asked was evidence of the safety related to various street widths, incrementally from 24 to 32 feet. Thus far we have not found that level of research in our review of published manuals, articles and contacts with organizations sources such as the Transportation Research Board, Institute of Transportation Engineers, Urban Land Institute and NACTO. The minimum residential street widths used by similar cities in Michigan varies, but the 26-foot standard used in Birmingham since 1996 seems to be the most common. Notably, a number of cities have recently or are currently evaluating their standards. We should be able to share some of their findings with you soon.

In summary, from our research this far, these are the general findings:

1. Generally traffic speeds are higher when the lane widths are higher (ULI, ITE, CNU). But other factors also influence the speed at least as much as the width.
2. Streets with on-street parking have lower speeds (Sources: TRB, ITE, ULI).

3. Streets with on-street parking have higher rates of collisions but those collisions are usually minor (source ITE).
4. Streets with trees and short setbacks tend to have lower speeds than those with fewer or no trees and deeper setbacks.
5. Some of the Michigan cities that allow the most narrow streets have significantly less snow than Birmingham.
6. The 26-foot width used by the City of Birmingham is pretty standard in comparable Michigan cities. Some cities allow and maintain 24-foot width, especially in historic neighborhoods where that width was long ago established. A 26-foot width seems to be the most common. Some cities, especially those in high snow zones, have a minimum of 30-32 foot width for new residential streets.
7. Most cities with a width standard have many streets that are wider or more narrow. Those cities tend to reconstruct streets to the new standard, but make modifications in specific situations (trees, block length, use of on-street parking, residential density, observed problems, and neighborhood preferences)
8. Some fire departments, like Grand Rapids, have established a minimum open lane width of 16 feet to be able to provide emergency response.
9. For on-street lane parking lane width along residential streets the most common dimension used is minimum 7-foot width, with 8-foot widths along transit or bike routes.

These findings and our continued research will be presented on Thursday, March 1st at the Multi-Modal Board meeting.

Sincerely,

Brad Strader, Principal

bstrader@mkskstudios.com

Comparison to Standards of Comparable Michigan Cities

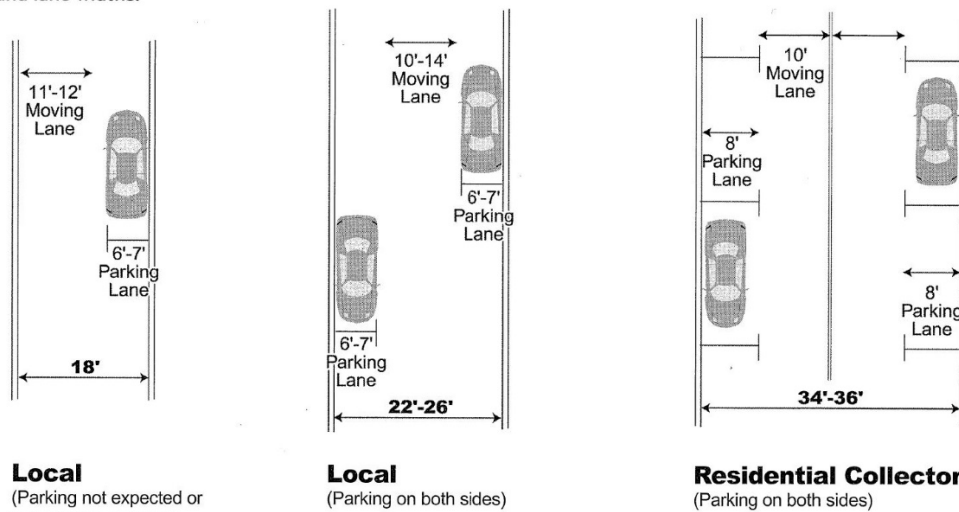
City	Minimum Street Width For Residential Streets	Average Snow Fall Per Year*
Birmingham	20-foot wide curb-to-curb for parking on one side of the street; 26-foot wide for parking on two sides.	36 inches
Royal Oak	27-foot wide (back of curb to back of curb) on local streets. Typical parking lane width: 8ft	33 inches
Pleasant Ridge	27-foot wide for parking on one side of the street; parking on both sides of streets being considered to slow traffic. Parking lane width: 7-9ft	32 inches
Ann Arbor	32-foot wide for streets with metered parking; 24-26 foot wide streets are also common. Travel lanes: 10-foot travel lanes in downtown, 9-foot lanes on very low volume residential streets. Parking lane width: 8ft (preferred), some are 7ft	53 inches
Grand Rapids	26-foot wide preferred, 24-foot wide minimum (e.g. in a historical district). Travel lanes: Typical had been 12-foot travel lanes, 10-foot travel lanes are now preferred; 16-foot minimum clear zone for emergency vehicles, low volume yield streets with parking on both sides. Parking lane width: 7-8ft (8ft preferred, especially when adj. to transit or bike lane) including the gutter pan.	68 inches
East Lansing	Travel lanes: 10-foot wide lanes, 11-foot preferred, especially adjacent to parking or bike lanes. Parking lane width: 7-8ft (8ft preferred)	45 inches
Traverse City	Minimum 27-foot width face-to-face parking on both sides, but only one side allowed in winter. 30-foot widths required for year-round parking	110 inches

*Snowfall noted because it was cited as a factor in the Commissioner's request. Source: Google

Comparison to National Standards

The Institute of Transportation Engineers' (ITE's) 2001 publication, "Residential Streets, Third Edition," recommends an 18-foot pavement width for local streets with no parking expected, 22-24 foot pavement width for local streets with low or restricted parking, 24-26 foot pavement width for local streets with normal residential parking, and 32-36 foot pavement width for residential collector streets (See Figure 2-15 and Table 2-4). For local streets, the 18-foot width allows for a 6-7 foot on-street parking lane on one side and an 11-12 foot travel lane. The 22-26 foot pavement width allows for 6-7 foot parking lanes on both sides of the street with a 10-14 foot travel lane. The 34-36 foot pavement width of the residential collector street allows for two 8-foot on-street parking lanes with two 10-foot travel lanes.

FIGURE 2-15
Street and lane widths.



RECOMMENDED PAVEMENT WIDTHS

	Pavement Width
Local Streets	
• No Parking Expected	18 feet
• Low or Restricted Parking	22-24 feet
• Normal Residential Parking	24-26 feet
Residential Collector	32-36 feet

TABLE 2-4

ITE's 2003 "Neighborhood Street Design Guidelines" offers more specific recommendations for residential street curb-to-curb pavement widths based on neighborhood character, dwelling units per gross acre, and number of on-street parking lanes (refer to Table 3-1). For Low-Density Residential streets with 2.0 and fewer dwelling units per gross acre, ITE recommends 2 channels for traffic and parking, an 18-foot minimum curb-to-curb pavement width if parking is permitted on only one side, and a 20-22 foot curb-to-curb pavement width if parking is permitted on both sides. For Medium-Density Residential streets, defined as having between 2.1 and 6.0 dwelling units per gross acre, ITE recommends 3 channels for traffic and parking with a minimum of 24 feet of curb-to-curb pavement if parking is on one side, and 26-28 feet of curb-to-curb pavement width if parking is permitted on both sides of the street. For High-Density Residential streets with 6.1 to 10.0 dwelling units per gross acre, 4 channels for traffic and parking are recommended, with a minimum pavement width of 28 feet for parking on one side, or 30-32 feet of pavement width if parking is desired on both sides of the street. In Very High-Density Residential areas, ITE recommends 4 channels for traffic and parking with minimum 32 feet of pavement width for parking on one side and 34-38 feet of width for parking on both sides. The recommendation for Mixed-Use/Commercial districts is also 4 channels for traffic and parking with a minimum curb-to-curb pavement width of 32 feet for one-sided parking and at least 34 feet of width for parking on both sides.

Table 3-1
Guidelines for Neighborhood Street Curb-to-Curb
Pavement Width¹

Neighborhood Character	Dwelling Units per Gross Acre ²	Recommended Number of Channels for Traffic and Parking	Recommended Curb-to-Curb Width of Pavement with Parking Permitted on Either Side ³	Minimum Curb-to-Curb Width of Pavement with Parking Permitted on One Side Only ⁴
Low-Density Residential	2.0 and fewer	2	20–22 ft. ⁵	18 ft.
Medium-Density Residential	Between 2.1 and 6.0	3	26–28 ft. ⁵	24 ft.
High-Density Residential	Between 6.1 and 10.0	4	30–32 ft.	28 ft.
Very High-Density Residential	10.1 and higher	4	34–38 ft.	32 ft.
Mixed-Use/Commercial	Not applicable	4	At least 34 ft.	32 ft.

The National Association of City Transportation Officials (NACTO) Urban Street Design Guide (2013) refers to a study that estimated “each additional foot of lane width related to a 2.9 mph increase in driver speed.” NACTO recommends travel lane width of 10 feet for urban areas because they provide adequate safety while minimizing speeding behavior. For designated truck and transit routes, with the addition of one travel lane of 11 feet in each direction for. They also note that in some cases, narrower 9-9.5 foot lanes can be used in conjunction with a turning lane. NACTO also recommends parking lane width of 7-9 feet in urban areas.

The AASHTO’s “A Policy on Geometric Design of Highways and Streets” recommends that travel lanes be at least 10 feet wide, and where feasible, 11 feet wide. AASHTO describes a 26-foot wide pavement as a typical curb-to-curb dimension for residential streets that allows for two 7-foot parking lanes and a central 12-foot travel lane. The level of inconvenience caused by having only one travel lane and yielding traffic is minimal in most single-family residential areas.

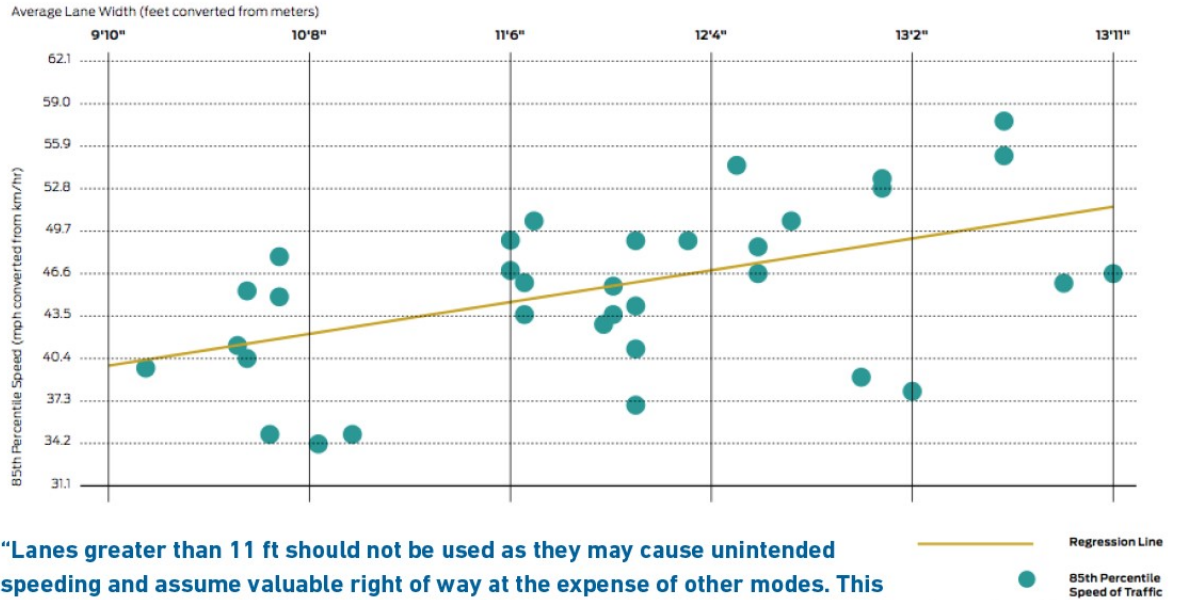
The city of Portland, Oregon’s “Skinny Streets” policy calls for residential pavement width of 20 feet with one on-street parking lane or 26 feet with on-street parking on both sides.

Additional Graphics:

LANE WIDTH & SPEED

2017 CITY OF WYOMING
MASTER PLAN

Wider travel lanes are correlated with higher vehicle speeds.

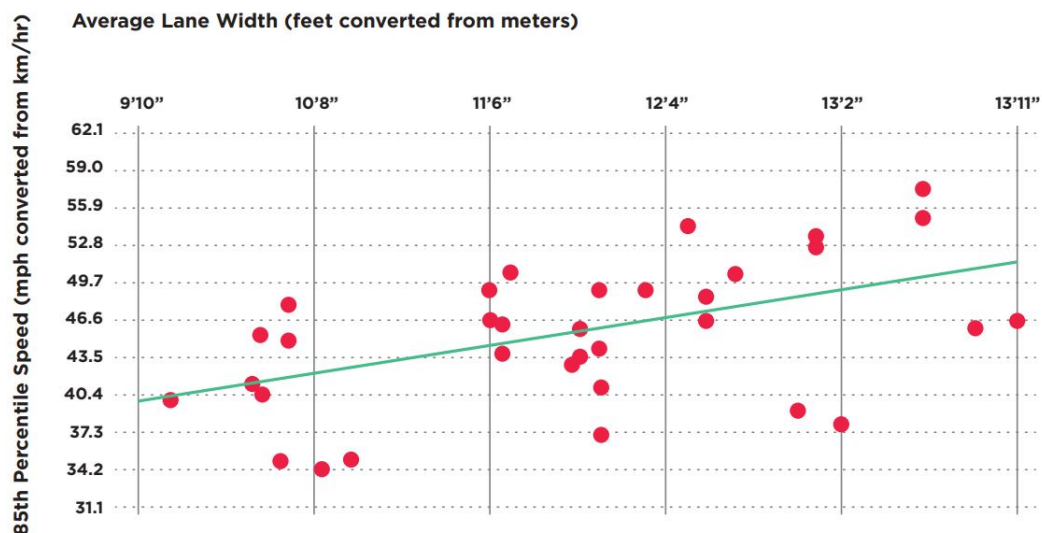


"Lanes greater than 11 ft should not be used as they may cause unintended speeding and assume valuable right of way at the expense of other modes. This includes the use of wide outside lanes for bicyclist accommodation. Wide outside lanes are not an effective means of accommodating bicyclists in urban areas."

- Urban Street Design Guide - NACTO (National Association of City Transportation Officials)

Chart source: Fitzpatrick, Kay, Paul Carlson, Marcus Brewer, and Mark Woolbridge. 2000. "Design Factors That Affect Driver Speed on Suburban Streets." *Transportation Research Record* 1751: 18-25.

FIGURE 5 WIDE TRAVEL LANES ARE CORRELATED WITH HIGHER VEHICLE SPEEDS



As the width of the lane increased, the speed on the roadway increased...When lane widths are 1 m (3.3 ft) greater, speeds are predicted to be 15 km/h (9.4 mph) faster.

Chart source: Fitzpatrick, Kay, Paul Carlson, Marcus Brewer, and Mark Wooldridge, 2000. "Design Factors That Affect Driver Speed on Suburban Streets." Transportation Research Record 1751:18-25.

Engineering judgment must be used to determine if lane widths should be expanded or narrowed from the recommended widths below.

RECOMMENDED LANE OR TRAVELWAY WIDTHS IN THE CITY OF GRAND RAPIDS.

TRAVEL LANE / TRAVELWAY USE	RECOMMENDED WIDTH
Yield street (exclusive of on street parking generally required on at least one side)	16'
Travel lane directly adjacent to the curb	11'
Typical general purpose travel lane	10'
Turn lane	10'
Bicycle Facility	6'
Frequent transit bus lane or lane with high volume of heavy vehicles (>8%)	11'



MEMORANDUM

Engineering Dept.
Planning Department
Police Dept.

DATE: March 29, 2018

TO: Multi-Modal Transportation Board

FROM: Jana Ecker, Planning Director
Scott Grewe, Police Dept.
Paul O'Meara, City Engineer

SUBJECT: Street Widths- History

The Multi-Modal Transportation Board (MMTB) recently reviewed conceptual designs for three local streets planned for reconstruction in 2018. A public hearing was held, and a final recommendation for the streets was passed on to the City Commission on a vote of 4-3. As you may recall, at the public hearing, several residents appeared before the Board asking that Bennaville Ave. not be reduced in width (as proposed). A smaller number of residents appeared asking that the block of Chapin Ave. east of Cummings St. also not be reduced in width.

When the City Commission reviewed the issue at their meeting of January 22, 2018 several residents again appeared on behalf of Bennaville Ave., and additional residents appeared on behalf of the one block of Chapin Ave. After much discussion, the City Commission endorsed the recommendations of the MMTB, also on a vote of 4-3. As a part of the discussion, the Commission expressed confusion as to what the City's policy is for determining the width of a new street. As a result, the MMTB was asked to study the issue in further detail, and send information and policy direction back to the Commission.

At the MMTB meeting on March 1, 2018, the board identified the goals for identifying a standard road width for residential roads, which include:

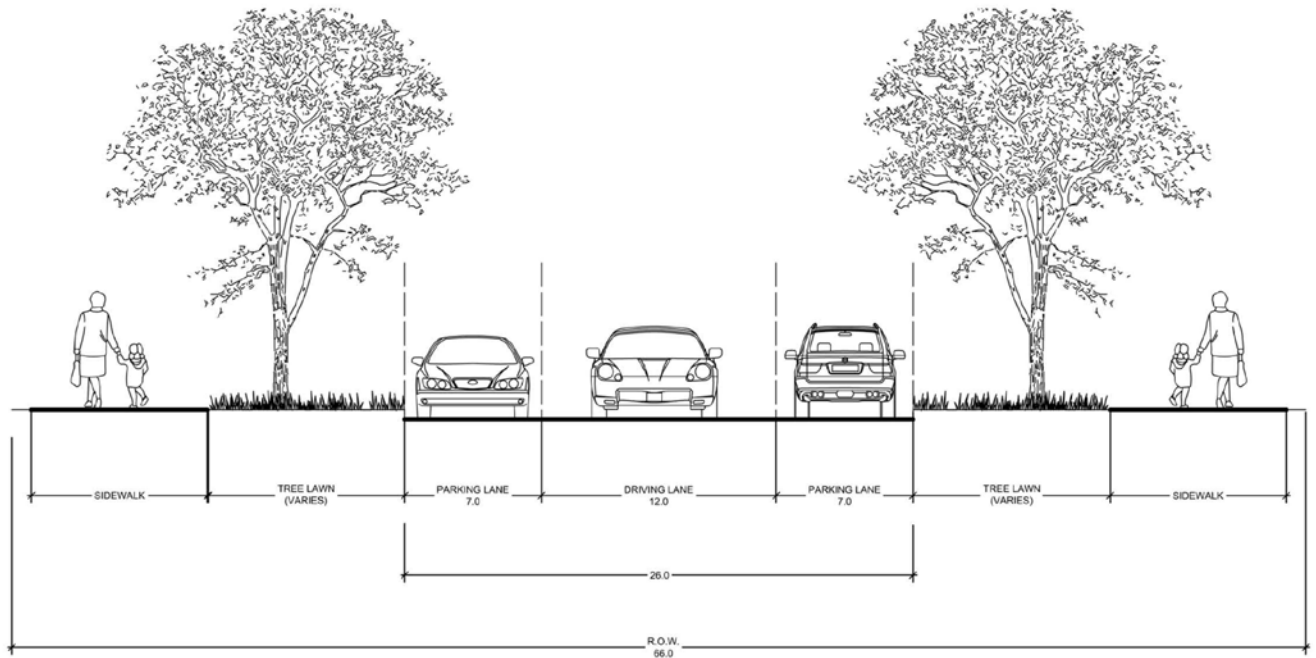
- Functionality;
- Consistency;
- Accident reduction;
- Traffic calming;
- Expediency in planning and engineering; and/or
- Infrastructure costs.

MKSK and F & V reviewed the national standards and best practices from a variety of sources regarding the recommended residential street width. Much discussion ensued, and the board directed staff to draft general standards for residential street widths, and to present criteria that could be used to determine if an exception should be granted. The board discussed the fact that there does not need to be a uniform street width standard, but there may be factors to permit modifications for different types of roads or in different development conditions.

Accordingly, please see the attached options prepared for your consideration. It is anticipated that much discussion will still be needed before the MMTB is prepared to make a recommendation to the City Commission. A copy of the memo and research from last month's meeting is also attached to this memo for reference.

OPTION ONE

Birmingham Residential Street Design Standards



For Residential Streets, the design standard shall be 26 feet wide from curb to curb. This width typically allows for parking along both sides of the street with room for a vehicle to pass in either direction. When there is opposing traffic (vehicles going both ways) one of the motorists will need to Yield to the other. This is commonly classified as a "Yield" or "Courtesy" Street. Traffic in opposing directions shall generally require a curb-to-curb dimension of 32 feet or greater. On-street parking may be restricted during winter months to ease snow removal.

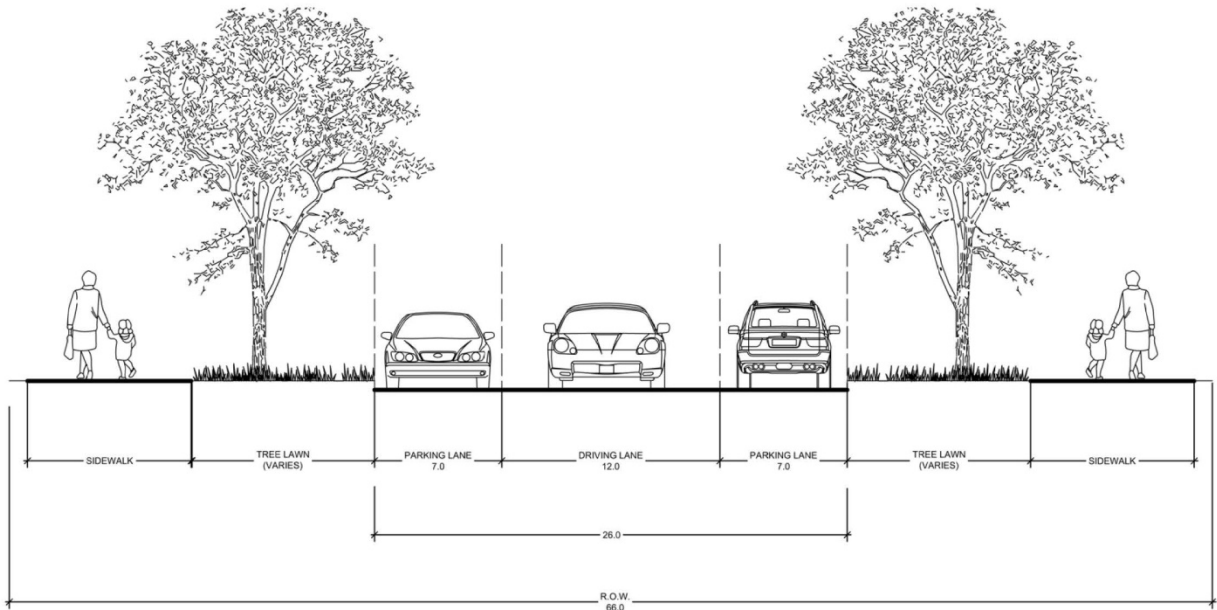
When streets are built, paved, or reconstructed, this standard shall generally be applied. Exceptions may be considered when factors such as the following are considered:

- Frequency of use of on-street parking (when parking density is classified as highly utilized such as over 25% occupancy throughout the day or more than 50% of the available curbspace used overnight, more width may be required or parking on some segments may need to be restricted).
- Use of the street by a higher volume than is typical for a residential street by school buses or other larger vehicles or as a frequent emergency response route.
- Proximity to a school, church, city park, funeral home, multiple-family residential, or other use with access that generates higher traffic volumes and/or on-street parking demand than is typical for a single family residential neighborhood.
- Presence of street trees, especially healthy, mature trees, especially when the right-of-way is 50 ft. or less.
- Block length (shorter blocks may need less width, long blocks may need more); width of a cul-de-sac may be reduced to 24 feet.
- Any documented operational or safety concerns noted with the street.
- Resident preferences as expressed at a public workshop or survey determined to be representative of the residents along the street.

OPTION TWO

Birmingham Residential Street Design Standards

(1) New Residential Streets



City Standard

26' in width from curb to curb.

Cul-de-sacs or Dead End Streets with no Exit

24' in width from curb to curb.

- This width typically allows for parking along both sides of the street with room for a vehicle to pass in either direction
- When there is opposing traffic (vehicles going both ways) one of the motorists will need to yield to the other ("Yield" or "Courtesy" Street)
- On-street parking can be restricted during winter months if needed for snow removal
- No exceptions

(2) Existing, Improved Residential Streets

City Standard

- (a) If existing road width is 28' or less, maintain existing width.
- (b) If existing road width is over 28', reduce street to 26' in width curb to curb.

OPTION TWO

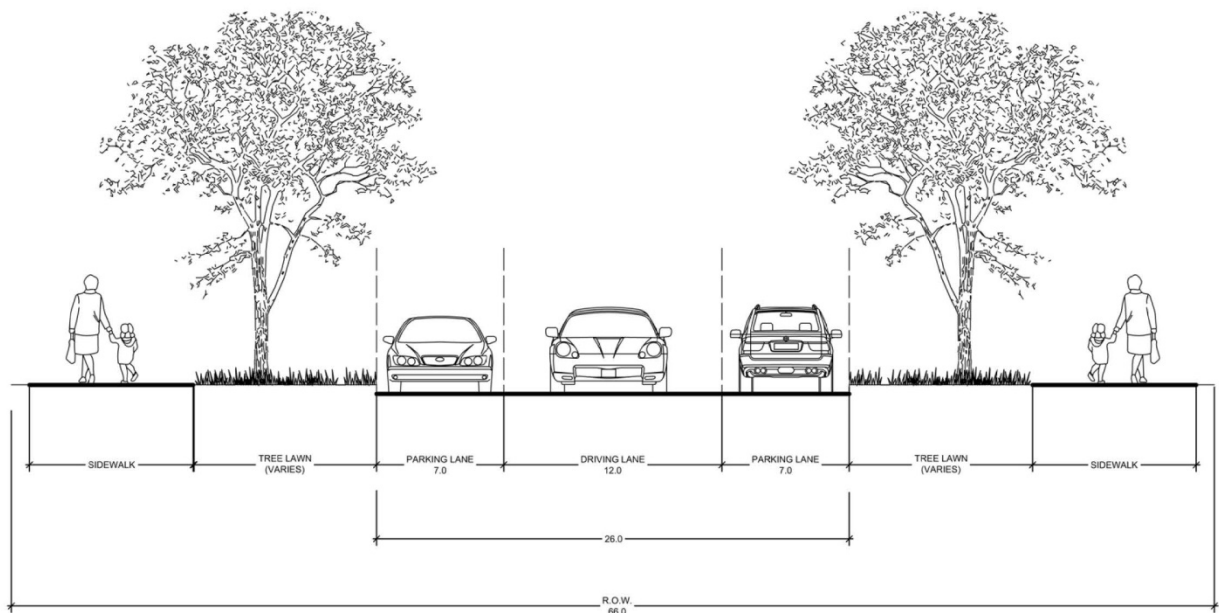
Cul-de-sacs or Dead End Streets with no Exit

- (a) If existing road width is 26' or less, maintain existing width.
- (b) If existing road width is over 26', reduce street to 24' in width curb to curb.

Exceptions to the standard width of no more than 4' may be considered when three or more of the following conditions exist:

- When 25% or more of the available on-street parking is in use during the day, or more than 50% or more of the available on-street parking is in use overnight, which shall be determined by a parking study covering a minimum of two weeks;
- When the street is determined to be a frequent emergency response route by the Birmingham Fire Department, or is located on a published Birmingham Public Schools bus route;
- Two or more healthy, mature street trees must be removed or may be at risk if the City Standard road width was applied;
- Average block length varies more than 50% from the average block length of ____';
- There are documented operational or safety concerns for the street as determined by the Birmingham Police Department; and/or
- A majority of residents on the street segment to be repaved or reconstructed wish to seek approval for an exception to the standard street widths noted above.

(3) Existing, Unimproved Residential Streets To Be Improved



City Standard

26' in width from curb to curb.

OPTION TWO

Cul-de-sacs or Dead End Streets with no Exit

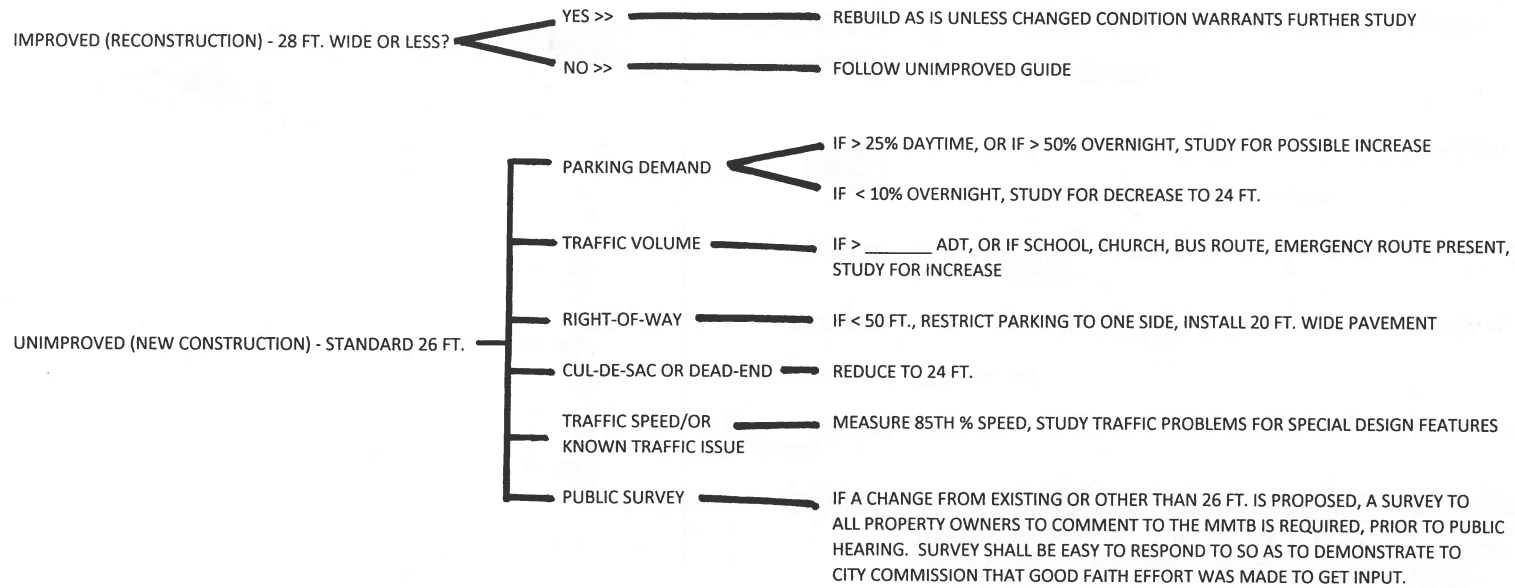
24' in width from curb to curb.

Exceptions to the standard width of no more than 4' may be considered when three or more of the following conditions exist:

- When 25% or more of the available on-street parking is in use during the day, or more than 50% or more of the available on-street parking is in use overnight, which shall be determined by a parking study covering a minimum of two weeks;
- When the street is determined to be a frequent emergency response route by the Birmingham Fire Department, or is located on a published Birmingham Public Schools bus route;
- Two or more healthy, mature street trees must be removed or may be at risk if the City Standard road width was applied;
- Average block length varies more than 50% from the average block length of ____';
- There are documented operational or safety concerns for the street as determined by the Birmingham Police Department; and/or
- A majority of residents on the street segment to be improved wish to seek approval for an exception to the standard 26' street width.

OPTION 3

LOCAL STREET WIDTH DECISION FLOW CHART DRAFT





MEMORANDUM

**Engineering Dept.
Planning Department
Police Dept.**

DATE: April 27, 2018

TO: Multi-Modal Transportation Board

FROM: Jana Ecker, Planning Director
Scott Grewe, Police Dept.
Paul O'Meara, City Engineer

SUBJECT: Residential Street Width Standards

The Multi-Modal Transportation Board (MMTB) recently reviewed conceptual designs for three local streets planned for reconstruction in 2018. A public hearing was held, and a final recommendation for the streets was passed on to the City Commission on a vote of 4-3. As you may recall, at the public hearing, several residents appeared before the Board asking that Bennaville Ave. not be reduced in width (as proposed). A smaller number of residents appeared asking that the block of Chapin Ave. east of Cummings St. also not be reduced in width.

When the City Commission reviewed the issue at their meeting of January 22, 2018 several residents again appeared on behalf of Bennaville Ave., and additional residents appeared on behalf of the one block of Chapin Ave. After much discussion, the City Commission endorsed the recommendations of the MMTB, also on a vote of 4-3. As a part of the discussion, the Commission expressed confusion as to what the City's policy is for determining the width of a new street. As a result, the MMTB was asked to study the issue in further detail, and send information and policy direction back to the Commission.

At the MMTB meeting on March 1, 2018, the board identified the goals for identifying a standard road width for residential roads, which include:

- Functionality;
- Consistency;
- Accident reduction;
- Traffic calming;
- Expediency in planning and engineering; and/or
- Infrastructure costs.

MKSK and F & V reviewed the national standards and best practices from a variety of sources regarding the recommended residential street width. Much discussion ensued, and the board directed staff to draft general standards for residential street widths, and to present criteria that could be used to determine if an exception should be granted. The board discussed the fact that there does not need to be a uniform street width standard, but there may be factors to

permit modifications for different types of roads or in different development conditions. A copy of the memo and research from the March MMTB meeting is attached for reference.

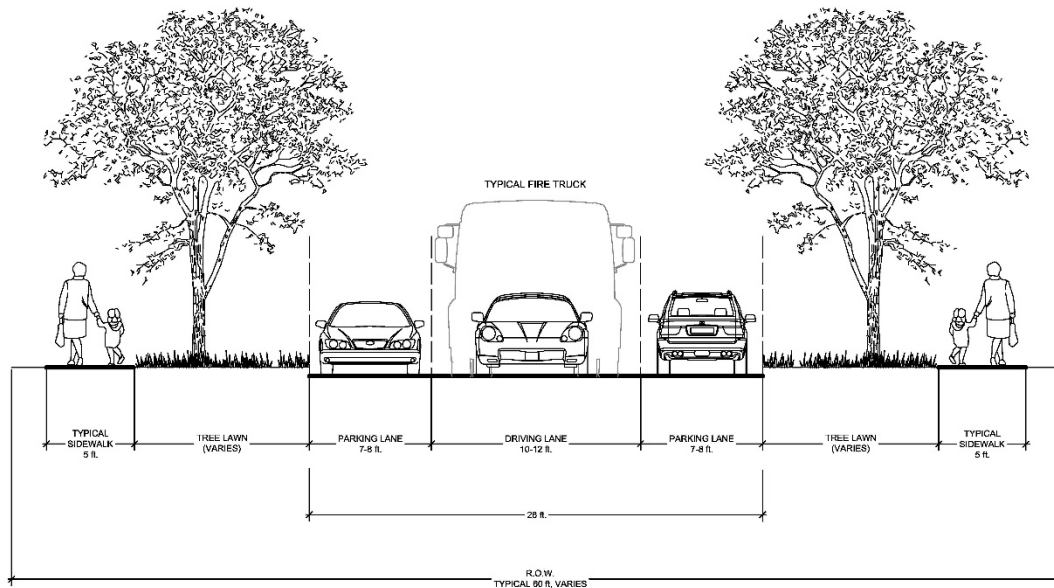
On April 5, 2018, the MMTB discussed three different options for residential street width standards. After much discussion, the MMTB directed staff to consolidate the options into a final version, including a preamble regarding the intent of the residential street width standards, establishing standards for improved and unimproved streets, establishing objective criteria to be met in order for a variance from the standards, and provisions for notifying the public and obtaining public input when existing street widths are recommended for change.

Please find attached the consolidated draft of the proposed standards and criteria for variance from the standards. Both the written out standards and the flow chart are proposed together to clarify the decision-making process. Meeting minutes are also attached for your review.

Suggested Action:

To recommend approval to the City Commission of the revised Residential Street Width Standards.

BIRMINGHAM RESIDENTIAL STREET DESIGN STANDARDS



INTENT: The purpose of these standards is to provide consistent street widths throughout the city but with flexibility for very specific situations. These standards are based on residential street design recommendations published by AASHTO, the Institute of Transportation Engineers (ITE), the Urban Land Institute (ULI), the Congress for New Urbanism, NACTO and those used by peer cities. Using those standards as a base, these standards are also based on emergency response access, winter weather, the existing street widths in the city, and the characteristics of different neighborhoods in the city.

These widths typically allow for parking along both sides of the street with room for a vehicle to pass in one direction. When there is opposing traffic (vehicles going both ways) one of the motorists will need to yield to the other. This is commonly classified as a “Yield” or “Courtesy” Street.

STREET DESIGN STANDARDS (see also attached flow chart):

1. NEW AND EXISTING, UNIMPROVED RESIDENTIAL STREETS THAT ARE BEING IMPROVED

When streets are improved or newly constructed, the standards below shall be strictly applied:

- a. **Standard Streets:** 26 ft. in width from curb to curb.
- b. If the right-of-way is less than 50 ft., the street width shall be a minimum of 20 ft. with parking allowed on one side only (generally the side without fire hydrants).

2. EXISTING, IMPROVED RESIDENTIAL STREETS

When previously built streets are reconstructed, this standard shall generally be applied. Exceptions may be considered when factors, such as those described in Section 4, are evident.

Standard Streets: 26 ft. in width from curb to curb.

Existing Street is 28 feet or less in width: If existing street width is 28 ft. or less in width, street shall generally be reconstructed at the existing width.

3. PUBLIC NOTICE AND PUBLIC HEARING

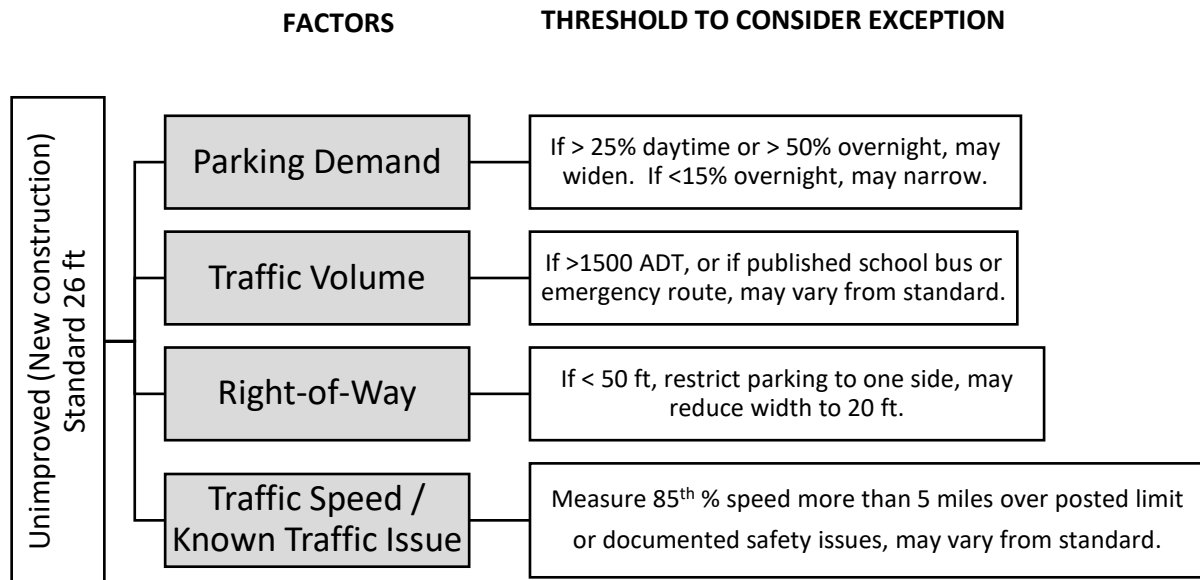
Whenever there is a street project where a change in the existing width is being considered, the Multi-Modal Transportation Board shall have a Public Hearing to inform residents of the project and provide an opportunity for comment. The City shall post a sign along the street that announces street project. Design details shall be advertised and posted on the City's website. If residents express a desire for a non-standard street width at a public meeting or through a public survey of street residents, those preferences shall be considered. However, engineering or safety factors listed in Section 4 must also be present to support a design exception.

4. EXCEPTIONS AND MODIFICATIONS TO THE WIDTH STANDARDS Any modification must be consistent with the Intent of these standards and the engineering publications upon which they are based. Street width exceptions may only be approved to a minimum of 20 ft. and a maximum of 30ft. Modifications to street widths may only be considered if one or more of the following conditions exist:

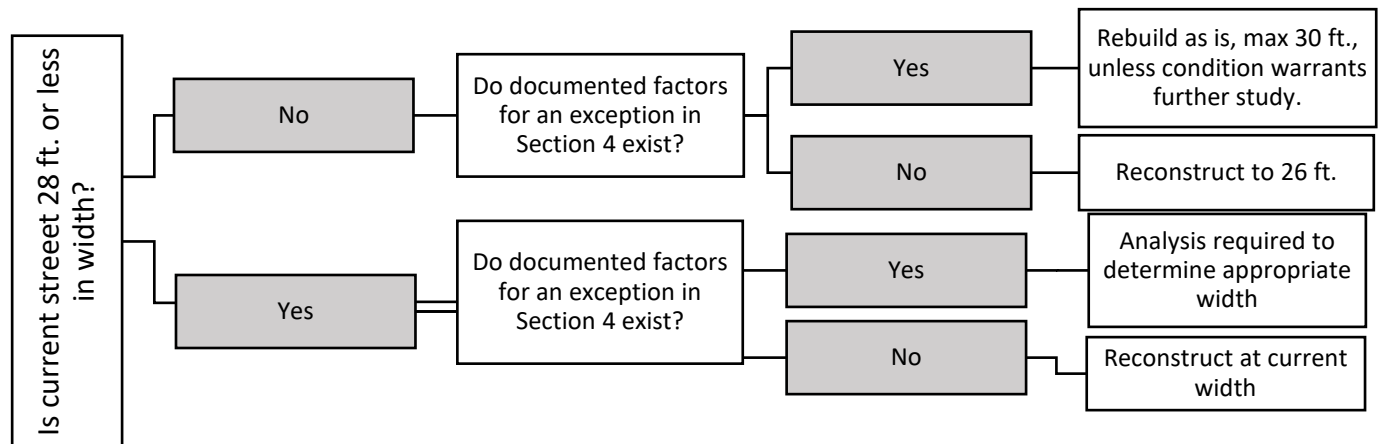
- a. High or low frequency of use of on-street parking. When surveyed on-street parking is utilized 15% or less overnight, the width may be reduced. When parking density is classified as highly utilized, defined as over 25% occupancy throughout the day or more than 50% of the available curb space used overnight, the width may be increased. For calculation of parking, a minimum length of 22 ft. shall be used and not include driveways, spaces adjacent to fire hydrants, or other locations where parking is not allowed.
- b. Daily traffic volumes exceed 1500 vehicles.
- c. The street is a published school bus route used by the Birmingham Public Schools or is a frequent emergency response route.
- d. Street is adjacent to a school, church, City park, multiple-family residential development, or other use with access that generates higher traffic volumes.
- e. Presence of street trees, especially healthy, mature trees, such that rebuilding the road as proposed would result in the removal of two or more trees.
- f. A speed study confirms that the 85th percentile speed is more than 5 miles per hour over the posted speed limit and/or city police or engineering departments have documented operational or safety concerns related to traffic patterns along the street.
- g. Street may be as narrow as 20 ft. with parking on one side only if right-of-way is less than 50 ft. If street width is less than

5. BOULEVARD STREETS

Reconstruction of streets with a boulevard, median, or other unique design feature, shall be reconstructed to match the current configuration unless geometric changes are needed based on safety or engineering analysis.



RECONSTRUCTION OF IMPROVED STREET



Multi-Modal Transportation Board Minutes

March 1, 2018

5. RESIDENTIAL STREET WIDTHS

Mr. O'Meara recalled that recently the MMTB reviewed conceptual designs for three local streets planned for reconstruction in 2018. A public hearing was held, and a final recommendation for the streets was passed on to the City Commission on a vote of 4-3. At the public hearing, several residents appeared before the board asking that Bennaville Ave. not be reduced in width (as proposed). A smaller number of residents appeared asking that the block of Chapin Ave. east of Cummings St. also not be reduced in width.

When the City Commission reviewed the issue at their meeting of January 22, 2018, several residents again appeared on behalf of Bennaville Ave., and additional residents appeared on behalf of the one block of Chapin Ave. After much discussion, the City Commission endorsed the recommendations of the MMTB, also on a vote of 4-3. As a result, the Commission asked the MMTB to study the City's policy of street widths in detail, and to send information and policy direction back to the Commission.

Staff summarized some of the paving history. Going back to 1977, streets were typically paved at 28 ft. between the two curb faces. When Andres Duany came to town in 1996 he advocated going down to 26 ft. and after extensive discussion the City Commission agreed to adopt 26 ft. as the standard road width with parking on both sides. That policy has been working well.

Unimproved Streets

From Staff's perspective, the current standards for unimproved streets have worked well. The current street width policy has been followed and very few if any complaints have been received from residents. Residential sections have been built at 26 ft. and commercial sections have been built at 36 ft.

Improved Streets

Historically, streets were rebuilt to match the conditions the width constructed previously. Reconstruction offers the opportunity to review the current conditions in light of current standards and consider if there is a potential need for change. Issues to consider include the following:

- Multi-Modal Improvements - If there are no specific recommendations in the Master Plan, the board will discuss improvements that can be included that would bring multi-modal improvements.
- Neighborhood Density - The board also considers the extent to which the land uses and density of uses on the street impact parking demand.
- Owner Preference - While the City may have established guidelines and attempted to follow current best practices in the industry, the property owners living on the street

often have preferences that are counter to the direction that best practice standards would dictate.

- Right-of Way - If the right-of-way is less than 50 ft., the board may consider a narrower street in order to provide the required space for City sidewalks and street trees.
- Traffic Issues - The board will conduct a review of the history of traffic issues on a street, which typically includes a review of speeding and cut-through traffic complaints.
- Trees - If a street has mature trees that can be damaged or require removal during a street reconstruction project, these factors need to be considered.

Brad Strader from MKSK summarized their research on national standards and best practices for residential street design and provided it for the board's consideration.

Mr. Strader said they looked at publications by the Transportation Research Board, Institute of Transportation Engineers, Urban Land Institute, National Association of City Transportation Officials ("NACTO"), and AASHTO. The 26 ft. pavement width used in Birmingham since 1996 seems to be the most common. An additional standard to be considered along with those named by Mr. O'Meara is that if the road is a transit route with busses, another foot of width is required.

Mr. Strader explained that NACTO is a more progressive city-oriented guide that is used by engineers and generally preferred by urban planners. They recommend a travel lane width of 9.5 to 10 ft. for urban areas. AASHTO covers all the roads in the country and recommends that travel lanes be at least 10 ft. wide and where feasible, 11 ft. or wider. They describe a 26 ft. wide pavement as a typical curb-to-curb dimension for residential streets. However, on a collector route such as Eton Rd., NACTO and AASHTO both recommend a wider lane.

The general findings are:

- Presence of on-street parking lowers speeds. If there is no on-street parking, speeds are higher;
- Block length, density, setbacks, street trees, traffic calming measures or how the road is designed influence both speed, safety, and also the volumes.

Ms. Ecker stated that the Fire Dept.'s widest tower truck is 10 ft. in width.

Ms. Edwards thought that the board might want to consider calling one of the current conditions "Parking Density" rather than "Neighborhood Density."

Dr. Rontal felt it would be instructive to look at the effective curb distance in the wintertime. Also, to consider the option of having alternating one side only parking.

Mr. Isaksen suggested that if a street isn't on the neighborhood connector route, maybe it deserves different treatment. Ms. Ecker added that the average residential street probably won't have a lot of bike improvements.

Ms. Slanga noted that the average life span of the streets is 60-90 years. She wondered if there has been futuring on what happens when different modes of transportation are adopted. The future is dynamic and the City should recognize that.

Mr. Strader responded the general feeling is that the transition of the fleet will occur over 20 years but it is unknown what the vehicles will be or how they will change our streets. Most of the current feeling is that autonomous vehicles will mean the amount of vehicles moving around will go up instead of down, but there will be less demand on parking. Also, there will be more curbside activity with vehicles hovering or people waiting. Over time, that might sacrifice some on-street parking.

Mr. Isaksen said it seems the low traffic residential streets that are the topic of today's discussion are least sensitive to changes in transportation modes. Whereas, the big arterial roads will be the ones most impacted by such a change when it occurs. Mr. Strader did not think it would change the curb-to-curb, but it might change the management of the parking along the street edge.

It was discussed that an additional criterion to consider when deciding whether or not to change a residential road width would be a unique land use, such as a school, historical neighborhood, etc. Mr. O'Meara noted there is currently a policy of 26 ft. for newly built roads. However, there never has been a specific policy on rebuilding existing roads. Ms. Ecker added there might be different standards for unimproved roads to go to improved, versus roads that are already improved. So that everyone doesn't have their own different idea of what should be done, standards will help the City, along with having criteria to make it clear when to vary from the standard.

Mr. Strader suggested the consultants work with staff to put together a packet of what a general standard might look like, how it might be modified, along with the factors to consider and what qualifications are needed to meet those factors. He did not think continuing research would be that valuable. All were in agreement.

Multi-Modal Transportation Board Minutes

April 5, 2018

5. RESIDENTIAL STREET WIDTHS

Mr. O'Meara recalled the Multi-Modal Transportation Board ("MMTB") recently reviewed conceptual designs for three local streets planned for reconstruction in 2018. A public hearing was held, and a final recommendation for the streets was passed on to the City Commission on a vote of 4-3. At the public hearing, several residents appeared before the board asking that Bennaville Ave. not be reduced in width (as proposed). A smaller number of residents appeared asking that the block of Chapin Ave. east of Cummings St. also not be reduced in width.

When the City Commission reviewed the issue at their meeting of January 22, 2018, after much discussion they endorsed the recommendations of the MMTB, also on a vote of 4-3. As a part of the discussion, the Commission expressed confusion as to what the City's policy is for determining the width of a new street. As a result, the MMTB was asked to study the issue in further detail, and to send information and policy direction back to the Commission.

At the MMTB meeting on March 1, 2018, the board identified the goals for identifying a standard road width for residential roads, which include:

- Functionality;
- Consistency;
- Accident reduction;
- Traffic calming;
- Expediency in planning and engineering; and/or
- Infrastructure costs.

MKSK and F & V reviewed the national standards and best practices from a variety of sources regarding the recommended residential street width. The board directed staff to draft general standards for residential street widths, and to present criteria that could be used to determine if an exception should be granted. Accordingly, three options have been prepared for the board's consideration.

Mr. Strader said the options are about 85% similar. Hopefully the items the board is looking for have been captured in one or more of the options. Option 1 that was prepared by MKSK states that the design standard shall be 26 ft. wide. It describes what a "Yield" or "Courtesy Street" is and then the factors for a variation from that.

Mr. O'Meara explained that Option 2 came from Ms. Ecker. She created a hybrid based on taking his ideas and Mr. Strader's ideas and adding separate categories for a new street that hasn't existed yet; rebuilding a previously paved street; and an existing street that has never had curbs. The one big difference is if a street is 26 to 28 ft. it wouldn't have to be changed to be 26 ft.

Option 3 was summarized by Mr. O'Meara. If a street is 26 or 28 ft., the recommendation is to put it back to the same width. Mr. Strader noted there really isn't that much difference between 28 and 26 ft. If the street is already built to one of those standards, just replace that standard. After comments from Ms. Folberg, it was agreed to remove the standard that cul-de-sacs or dead-end streets be reduced to 24 ft. in width. There was also questions relative to the distinction for a long block vs. shorter blocks. If a change from existing or other than 26 ft. is proposed, a survey to all property owners to comment to the MMTB is required before the public hearing.

Instances where streets have a lot of people parking versus those where there is almost no parking demand were considered. Ms. Folberg suggested if the street is between 26 and 28 ft., move forward with that unless there have been complaints about traffic or speeding.

Ms. Schafer talked about the phenomenon of people creating parking spaces within the right-of-way on unimproved streets. Mr. O'Meara thought that people feel it is dangerous to park in the actual pavement because it is usually only 20 ft. wide. This is allowed in the City if the street is uncurbed. He added that when streets get rebuilt with curbs, those parking areas are required to be removed.

In terms of notification to the residents, the board liked the idea of putting up a sandwich board at the entrance/exit to the neighborhood.

With regard to rebuilding a street, Ms. Folberg said she would tend to go with what people want except when those decisions are not based on urban planning practices and engineering standards and guidelines. Mr. O'Meara added it would help to have initial conversation with the board to identify where they want to go. Data could then be collected from the survey and outreach conducted in a second meeting prior to the public hearing in order to be well prepared.

Ms. Folberg said as part of the public survey, people should be educated about the reason for the proposal. Mr. Strader added maybe they ought to insert a preamble to the proposal saying the City understands all of the residents' concerns but the standards are based on nationally accepted design manuals; the fire code; consideration of safety for pedestrians and bicyclists; reducing crashes and appropriate speeds; and emergency exits. That would form the intent and basis for the proposal.

Mr. O'Meara confirmed that Ms. Ecker, Mr. Strader and he would sit down and consolidate the three options into one document.

DRAFT Multi-Modal Transportation Board Minutes
May 3, 2018

5. RESIDENTIAL STREET WIDTHS

Chairman Rontal recalled the Multi-Modal Transportation Board ("MMTB") recently reviewed conceptual designs for three local streets planned for reconstruction in 2018. A public hearing was held, and a final recommendation for the streets was passed on to the City Commission on a vote of 4-3. At the public hearing, several residents appeared before the board asking that Bennaville Ave. not be reduced in width (as proposed). A smaller number of residents appeared asking that the block of Chapin Ave. east of Cummings St. also not be reduced in width.

When the City Commission reviewed the issue at their meeting of January 22, 2018, they endorsed after much discussion the recommendations of the MMTB, also on a vote of 4-3. As a part of the discussion, the Commission expressed confusion as to what the City's policy is for determining the width of a new street. As a result, the MMTB was asked to study the issue in further detail, and to send information and policy direction back to the Commission.

At the MMTB meeting on March 1, 2018, the board identified the goals for identifying a standard road width for residential roads, which include:

- Functionality;
- Consistency;
- Accident reduction;
- Traffic calming;
- Expediency in planning and engineering; and/or
- Infrastructure costs.

Ms. Ecker advised that on April 5, 2018, the MMTB discussed three different options for residential street width standards. After much discussion, the MMTB directed staff to consolidate the options into a final version. The consolidated draft of the proposed standards and criteria for variance from the standards is presented this evening. There are two portions of the draft; one is a cross-section that shows how wide the lanes would be, and it is written out. A flow chart is proposed as well so it is easy to understand how and why decisions are made. In addition, an intent section talks about the different standards that were referenced when coming up with the plan, and design standards are described for new, existing, and unimproved streets.

Ms. Folberg received confirmation that re-doing a street such as Wakefield which is not paved and doesn't have a curb requires a consensus of existing homeowners because an assessment is involved. The property owners only pay an assessment when their street goes from gravel or chip seal to fully built out.

Talking about improved streets, Ms. Ecker explained that sidewalks are treated separately from the pavement. Mr. O'Meara continued that an improved street must have permanent pavement along with a curb and gutter system.

STREET DESIGN STANDARDS:

1. New And Existing, Unimproved Residential Streets that are Being Improved: When streets are improved or newly constructed, the standards below shall be strictly applied:

- a. Standard Streets: 26 ft. in width from curb to curb.
- b. If the right-of-way is less than 50 ft., the street width shall be a minimum of 20 ft. with parking allowed on one side only (generally the side without fire hydrants).

2. Existing, Improved Residential Streets: When previously built streets are reconstructed, this standard shall generally be applied. Exceptions may be considered when factors, such as those described in Section 4 below, are evident.

- a. Standard Streets: 26 ft. in width from curb to curb.
- b. Existing Street is 28 ft. or less in width: Street shall generally be reconstructed at the existing width.

3. Public Notice And Public Hearing: Whenever there is a street project where a change in the existing width is being considered, the MMTB shall have a public hearing to inform residents of the project and provide an opportunity for comment. If residents express a desire for a non-standard street width at a public meeting or through a public survey of street residents, those preferences shall be considered. However, engineering or safety factors listed in Section 4 below must also be present to support a design exception.

4. Exceptions and Modifications to the Width Standards: Any modification must be consistent with the Intent of these standards and the engineering publications upon which they are based. Street width exceptions may only be approved to a minimum of 20 ft. and a maximum of 30 ft. Modifications to street widths may only be considered under certain specified conditions.

Board members made changes to the specified conditions as follows:

- Condition 4 (d) should read - "Street is adjacent to a school, religious institution, City park, multiple-family residential development, or other use with access that generates higher traffic volumes."
- Condition 4 (e) should read - "Presence of street trees, especially healthy, mature trees such that rebuilding the road as proposed would result in the removal of two or more trees in any given block."
- Condition 4 (g) reads - "Street may be as narrow as 20 ft. with parking on one side only if right-of-way is less than 50 ft."

5. Boulevard Streets: Reconstruction of streets with a boulevard, median, or other unique design feature shall be reconstructed to match the current configuration unless geometric changes are needed based on safety or engineering analysis.

The chairman voiced concern that a street's effective width gets narrower in the winter with snow plowing. There is no way a 10 ft. fire truck can get down his street in the winter. He thought the board should study effective widths of streets and decide whether emergency vehicles can get through streets under a certain width in the winter. If not, the side designated for parking can be alternated every other year. Ms. Ecker said the Fire Dept. has indicated there are really only a couple of streets where they have difficulty.

The discussion concluded that with this document the board is not boxed into one particular solution, but guidelines are given. Documented factors for an exception must exist.

The board agreed to add a seventh goal for identifying a standard road width for residential streets: Storm Water Runoff Management.

Motion by Ms. Edwards

Seconded by Ms. Folberg to recommend approval to the City Commission of the revised Residential Street Width Standards with the inclusion of seven additional goals where the seventh is "Storm Water Runoff Management." Also, in section 4 (d) change "church" to "religious institution." In section 4 (e) add at the end of the sentence "on any given block." Finally, in section 4 (g) remove the typo at the end.

There were no comments on the motion from members of the public at 6:35 p.m.

Motion carried, 5-0.

VOICE VOTE

Yeas: Edwards, Folberg, Rontal, Isaksen, Schafer

Nays: None

Absent: Slanga

2'



PUBLIC NOTICE

STREET WIDTH PUBLIC HEARING SCHEDULED
MULTI-MODAL TRANSPORTATION BOARD
YOUR INPUT IS REQUESTED

248-530-1850

www.bhamgov.org/publicnotices

Notice Sign

Located on streets with speed limits of 25 mph



MEMORANDUM

Office of the City Manager

DATE: May 23, 2018
TO: City Commission
FROM: Joseph A. Valentine, City Manager
SUBJECT: Parks Bond Opportunity

As you will recall, the City recently adopted a new Five Year Parks and Recreation Master Plan in March of 2018 to plan for future park improvements and comply with the Michigan Department of Natural Resources (MDNR) best practices. Adoption of this plan also makes the City eligible for MDNR grants as they become available. This 5 year plan outlined several park improvements with costs of several million dollars. Unfortunately, current funding limitations have relegated these parks improvements primarily to grant availability.

Staff has recently identified an additional funding opportunity upon review of the City's Five Year Financial Model and preparation of the 2018-2019 fiscal year budget. The City is in a unique position to leverage its strong financial position to reinvest back into its parks properties and facilities that are in need of attention. A parks and recreation bond is an attractive option to consider given the following reasons.

- 1) Some parks and park facilities haven't had complete renovations since the 1990s.
- 2) The City is AAA Bond rated and would receive favorable rates to bond for public improvements.
- 3) The City has adequate bonding capacity given outstanding bonding debt is currently at 6% of the City overall debt limit.
- 4) The City's current debt levy continues to diminish each year and in fiscal year 2021-2022 the debt associated with the prior sewer bonds will be paid off reducing the debt levy by approximately .5 mills and in fiscal year 2023-2024 the last payment on the 2001 Parks & Recreation Bond will be paid off reducing the debt levy by approximately .4 mills.
- 5) A Parks Bond would allow for several parks and park's facility improvements to occur within the next few years as funding would be readily available rather than continuing to budget a few projects over the long term in order to obtain sufficient funds to make limited improvements.

In order to proceed, a concise priority list should be established based on the projects most in need, the ability to complete these projects in the next 3 to 5 years as you can't typically bond for longer than the life of the asset financed, and consideration of the total amount to be bonded. It is recommended the Parks and Recreation Board work with City staff and Bond Counsel to develop this list while working through a public engagement process at the board level.

As we consider a possible Parks and Recreation Bond we are also potentially looking at a Parking Structure Bond for the re-construction of the North Old Woodward Parking Structure. While both would be City bond proposals for consideration, there are significant differences in how these potential bonds would be funded. A Parks and Recreation Bond would be funded through general tax revenues derived from additional debt levy and paid through city tax dollars. Given the City's current diminishing debt obligations, new debt could be taken on as existing debt is eliminated. A Parking Structure Bond would be funded through the parking system and paid through fees collected by the parking system. General City tax dollars would not be used for the Parking Structure Bond debt and City taxes would not be impacted for the costs of the new parking structure.

In consideration of the above, staff has included the following resolution for consideration.

Suggested Resolution:

To direct the Parks and Recreation board to review the 2018 Parks and Recreation Master Plan's Five-Year Capital Improvement Plan and work with staff to identify facility needs related to the Parks and Recreation operation through a public engagement process to identify a priority list of projects and associated amounts to be considered for a potential parks bond to be implemented over the next 3 to 5 years, and further, to return to the City Commission with a recommendation for consideration.



NOTICE OF INTENTION TO APPOINT TO BOARD OF ZONING APPEALS

At the regular meeting of Monday, July 9, 2018 the Birmingham City Commission intends to appoint one (1) regular member to the Board of Zoning Appeals to serve the remainder of a three-year term to expire October 10, 2020.

Interested parties may recommend others or themselves for these positions by submitting a form available from the City Clerk's office. Applications must be submitted to the city clerk's office on or before noon on Tuesday, July 3, 2018. Applications will appear in the public agenda at which time the commission will discuss recommendations, and may make nominations and vote on appointments.

Duties of Board

The Board of Zoning Appeals acts on questions arising from the administration of the zoning ordinance, including the interpretation of the zoning map. The board hears and decides appeals from and reviews any order, requirement, decision or determination made by the building official.

Criteria/Qualifications of Open Position	Date Applications Due (by noon)	Date of Interview
Members shall be property owners of record and registered voters.	07/03/2018	07/09/2018

NOTE: All members of boards and commissions are subject to the provisions of City of Birmingham City Code Chapter 2, Article IX, Ethics and the filing of the Affidavit and Disclosure Statement.



Mary 24, 2018

Ms. Cherilynn Brown, Clerk
City of Birmingham
151 Martin St.
Birmingham, MI 48012-3001

RE: Important Information—Channel Lineup Changes

Dear Ms. Brown:

I am contacting you today regarding upcoming programming changes. The changes are as follows and are effective on or about July 1, 2018. Customers are being notified of these changes via bill message.

Tru TV will be available as part of the Digital Starter service. NFL Network will move from Digital Starter to Digital Preferred.

If I can be of any further assistance, please contact me at 734-254-1557.

Sincerely,

Kyle V. Mazurek
Manager of External Affairs
Comcast, Heartland Region
41112 Concept Drive
Plymouth, MI 48170

INFORMATION ONLY

**STATE OF MICHIGAN
BEFORE THE MICHIGAN PUBLIC SERVICE COMMISSION**

**NOTICE OF HEARING
FOR THE ELECTRIC
CUSTOMERS OF
DTE ELECTRIC COMPANY
CASE NO. U-20069**



- DTE Electric Company requests Michigan Public Service Commission approval for reconciliation of its Power Supply Cost Recovery plan (Case No. U-18143) for the 12-month Period Ending December 31, 2017.
- The information below describes how a person may participate in this case.
- You may call or write, DTE Electric Company, One Energy Plaza, Detroit, MI 48226, (800) 477-4747 for a free copy of its application. Any person may review the application at the offices of DTE Electric Company.
- The prehearing conference in this matter will be held:

DATE/TIME: **Thursday, June 14, 2018, at 9:30 A.M.**

BEFORE: Administrative Law Judge Sharon L. Feldman

LOCATION: Michigan Public Service Commission
7109 West Saginaw Highway
Lansing, Michigan 48917

PARTICIPATION: Any interested person may attend and participate. The hearing site is accessible, including handicapped parking. Persons needing any accommodation to participate should contact the Commission's Executive Secretary at (517) 284-8090 in advance to request mobility, visual, hearing or other assistance.

The Michigan Public Service Commission (Commission) will hold a hearing to consider DTE Electric Company's (DTE Electric) March 28, 2018 application requesting: 1) approval of their 2017 Power Supply Cost Recovery (PSCR) reconciliation; and 2) authorization to collect its total PSCR under-recovery at year-end 2017 of \$16,656,714, including interest, from all PSCR customers via a roll-over of such under-recovery as the January 2018 starting balance for the 2018 PSCR reconciliation.

All documents filed in this case shall be submitted electronically through the Commission's E-Dockets website at: michigan.gov/mpscdockets. Requirements and instructions for filing can be found in the User Manual on the E-Dockets help page. Documents may also be submitted, in Word or PDF format, as an attachment to an email sent to: mpscdockets@michigan.gov. If you require assistance prior to e-filing, contact Commission staff at (517) 284-8090 or by email at: mpscdockets@michigan.gov.

INFORMATION ONLY

Any person wishing to intervene and become a party to the case shall electronically file a petition to intervene with this Commission by **June 7, 2018**. (Petitions to intervene may also be filed using the traditional paper format.) The proof of service shall indicate service upon DTE Electric Company's attorney, Jon P. Christinidis, One Energy Plaza, 688 WCB, Detroit, MI 48226.

Any person wishing to appear at the hearing to make a statement of position without becoming a party to the case may participate by filing an appearance. To file an appearance, the individual must attend the hearing and advise the presiding administrative law judge of his or her wish to make a statement of position. All information submitted to the Commission in this matter becomes public information, thus available on the Michigan Public Service Commission's website, and subject to disclosure. Please do not include information you wish to remain private.

Requests for adjournment must be made pursuant to the Commission's Rules of Practice and Procedure R 792.10422 and R 792.10432. Requests for further information on adjournment should be directed to (517) 284-8130.

A copy of DTE Electric Company's request may be reviewed on the Commission's website at: michigan.gov/mpscedockets, and at the office of DTE Electric Company. For more information on how to participate in a case, you may contact the Commission at the above address or by telephone at (517) 284-8090.

The Utility Consumer Representation Fund has been created for the purpose of aiding in the representation of residential utility customers in various Commission proceedings. Contact the Chairperson, Utility Consumer Participation Board, Department of Licensing and Regulatory Affairs, P.O. Box 30004, Lansing, Michigan 48909, for more information.

Jurisdiction is pursuant to 1909 PA 106, as amended, MCL 460.551 et seq.; 1919 PA 419, as amended, MCL 460.54 et seq.; 1939 PA 3, as amended, MCL 460.1 et seq.; 1969 PA 306, as amended, MCL 24.201 et seq.; 1982 PA 304, as amended, MCL 460.6j et seq.; and Parts 1 & 4 of the Michigan Administrative Hearing System's Administrative Hearing Rules, Mich. Admin Code, R 792.10101 through R 792.10137, and R 792.10401 through R 792.10448.

RECEIVED BY

MAY 25 2018

STATE OF MICHIGAN
BEFORE THE MICHIGAN PUBLIC SERVICE COMMISSION
CITY CLERK'S OFFICE
CITY OF BIRMINGHAM

**NOTICE OF HEARING
FOR THE ELECTRIC
CUSTOMERS OF
DTE ELECTRIC COMPANY
CASE NO. U-20105**

- DTE Electric Company requests Michigan Public Service Commission's approval for determination of Credit A to reflect the effects of the federal Tax Cuts and Jobs Act of 2017 in its electric general base rates.
- The information below describes how a person may participate in this case.
- You may call or write, DTE Electric Company, One Energy Plaza, Detroit, MI 48226, (800) 477-4747 for a free copy of its application. Any person may review the application at the offices of DTE Electric Company.
- The prehearing conference in this matter will be held:

DATE/TIME: Monday, June 11, 2018, at 10:00 A.M.

BEFORE: Administrative Law Judge Sally Wallace

LOCATION: Michigan Public Service Commission
7109 West Saginaw Highway
Lansing, Michigan 48917

PARTICIPATION: Any interested person may attend and participate. The hearing site is accessible, including handicapped parking. Persons needing any accommodation to participate should contact the Commission's Executive Secretary at (517) 284-8090 in advance to request mobility, visual, hearing or other assistance.

The Michigan Public Service Commission (Commission) will hold a hearing to consider DTE Electric Company's (DTE) May 18, 2018 application for determining a going-forward reduction in its rates (Credit A) to reflect the effects of the federal Tax Cuts and Jobs Act of 2017 (TCJA). DTE requests the Commission to approve: 1) DTE's proposal to amend certain customer rate schedules and proposed tariff changes; and 2) other relief.

All documents filed in this case shall be submitted electronically through the Commission's E-Dockets website at: michigan.gov/mpscdockets. Requirements and instructions for filing can be found in the User Manual on the E-Dockets help page. Documents may also be submitted, in Word or PDF format, as an attachment to an email sent to: mpscdockets@michigan.gov. If you require assistance prior to e-filing, contact Commission staff at (517) 284-8090 or by email at: mpscdockets@michigan.gov.

INFORMATION ONLY

Any person wishing to intervene and become a party to the case shall electronically file a petition to intervene with this Commission by **June 5, 2018**. (Petitions to intervene may also be filed using the traditional paper format.) The proof of service shall indicate service upon DTE Electric Company's attorney, Andrea E. Hayden, One Energy Plaza, 688 WCB, Detroit, MI 48226.

Any person wishing to appear at the hearing to make a statement of position without becoming a party to the case may participate by filing an appearance. To file an appearance, the individual must attend the hearing and advise the presiding administrative law judge of his or her wish to make a statement of position. All information submitted to the Commission in this matter becomes public information, thus available on the Michigan Public Service Commission's website, and subject to disclosure. Please do not include information you wish to remain private.

Requests for adjournment must be made pursuant to the Commission's Rules of Practice and Procedure R 792.10422 and R 792.10432. Requests for further information on adjournment should be directed to (517) 284-8130.

A copy of DTE Electric Company's request may be reviewed on the Commission's website at: michigan.gov/mpscdockets, and at the office of DTE Electric Company. For more information on how to participate in a case, you may contact the Commission at the above address or by telephone at (517) 284-8090.

Jurisdiction is pursuant to 1909 PA 106, as amended, MCL 460.551 et seq.; 1919 PA 419, as amended, MCL 460.54 et seq.; 1939 PA 3, as amended, MCL 460.1 et seq.; 1969 PA 306, as amended, MCL 24.201 et seq.; and Parts 1 & 4 of the Michigan Administrative Hearing System's Administrative Hearing Rules, Mich. Admin Code, R 792.10101 through R 792.10137, and R 792.10401 through R 792.10448.