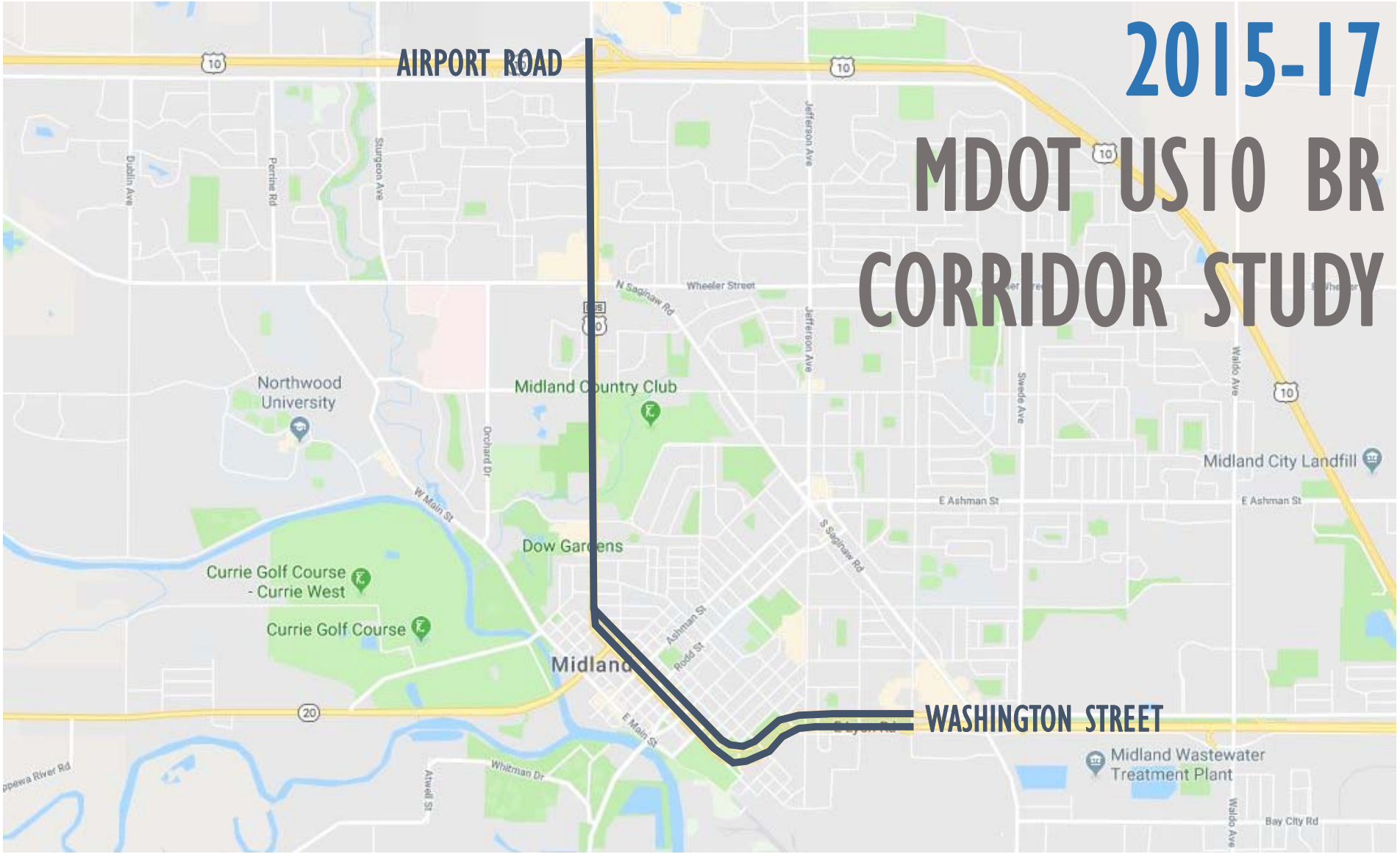
DOWNTOWN MIDLAND
INDIAN & BUTTLES STREET CORRIDOR

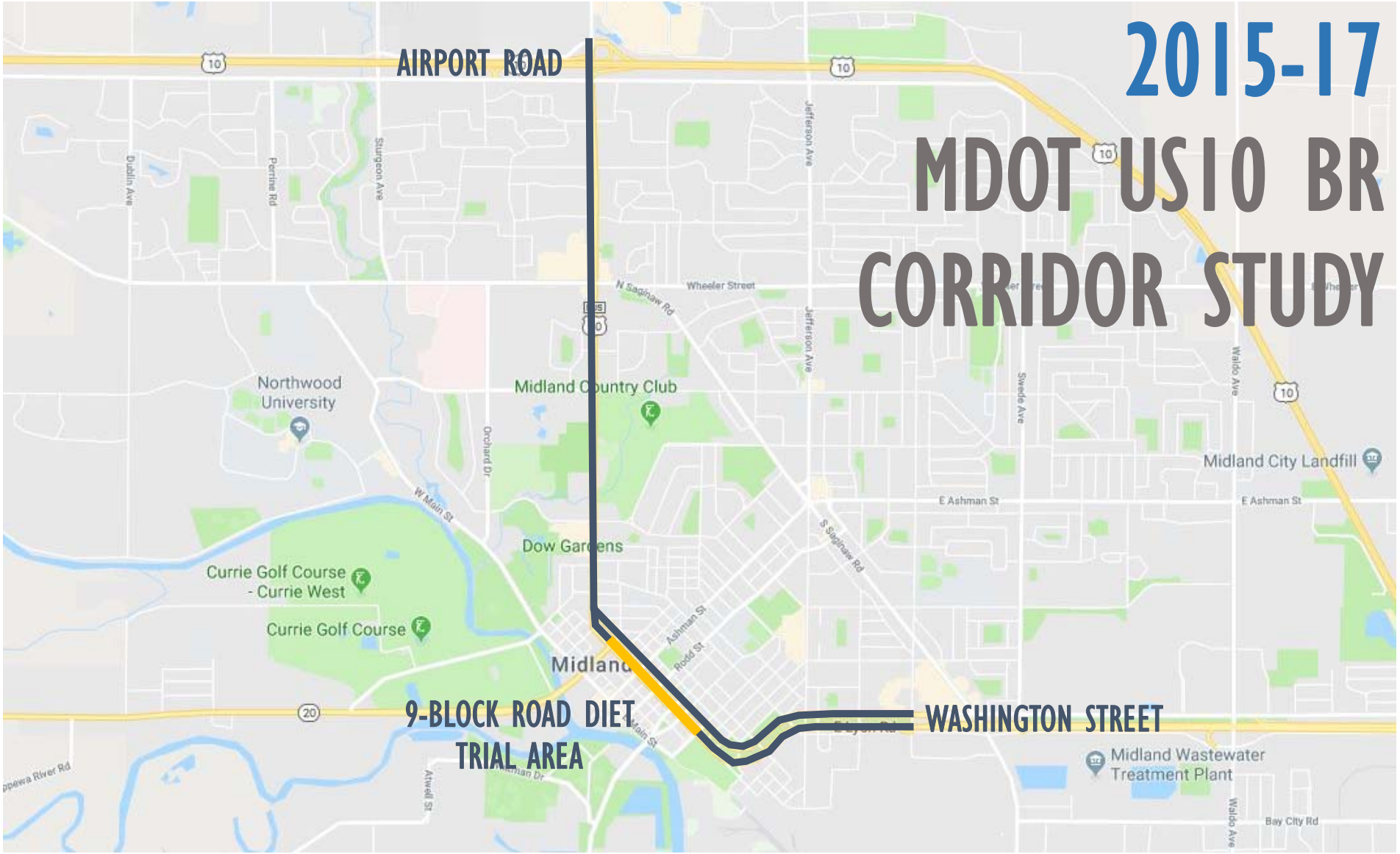
TONIGHT'S AGENDA

1. STAFF PRESENTATION (est. 30-40 min)
2. WALKING TOUR (est. 30-40 min)
3. COMMENTS ON OBSERVATIONS (est. 10-30 min)

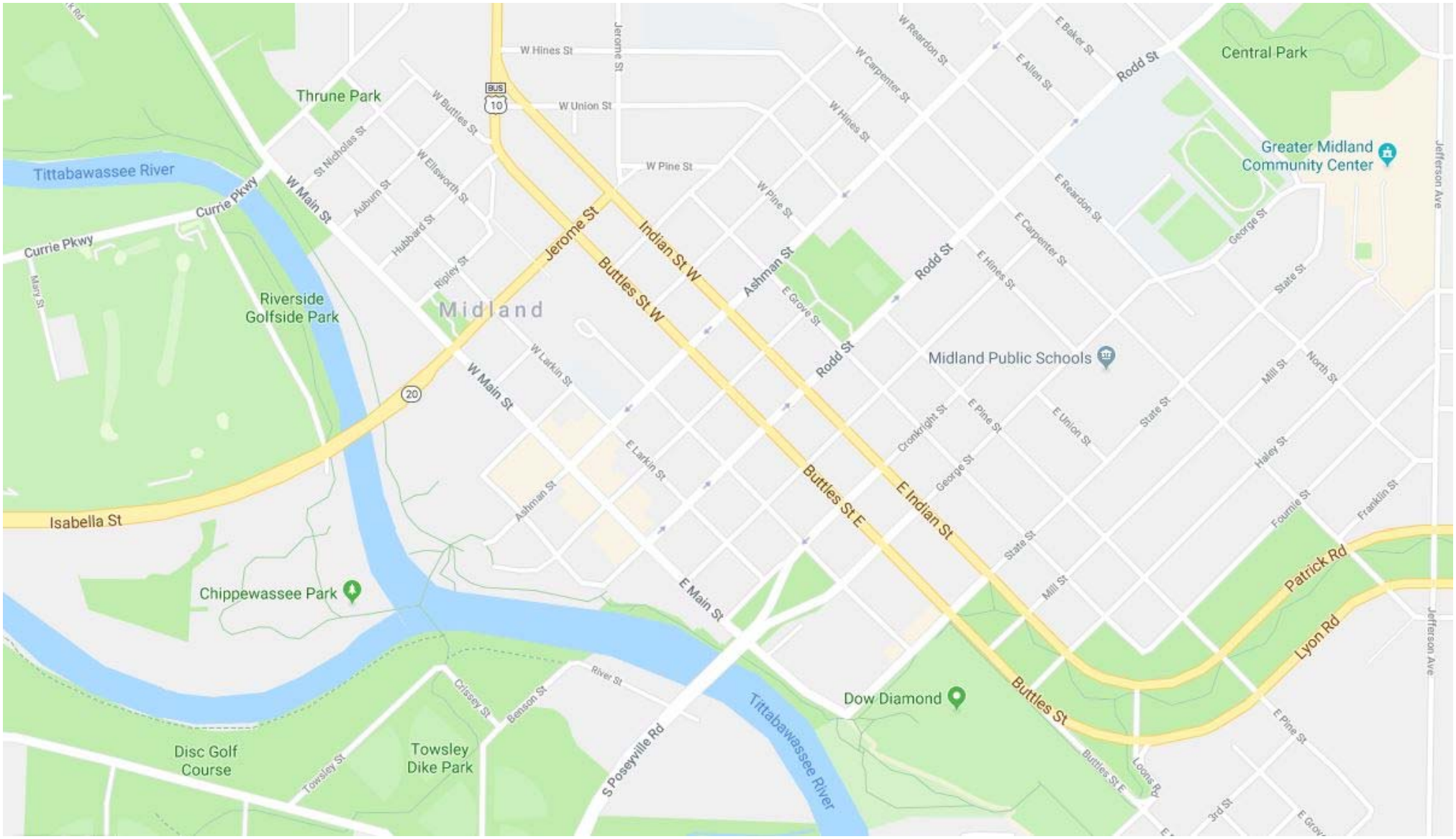
2015-17
MDOT US10 BR CORRIDOR STUDY



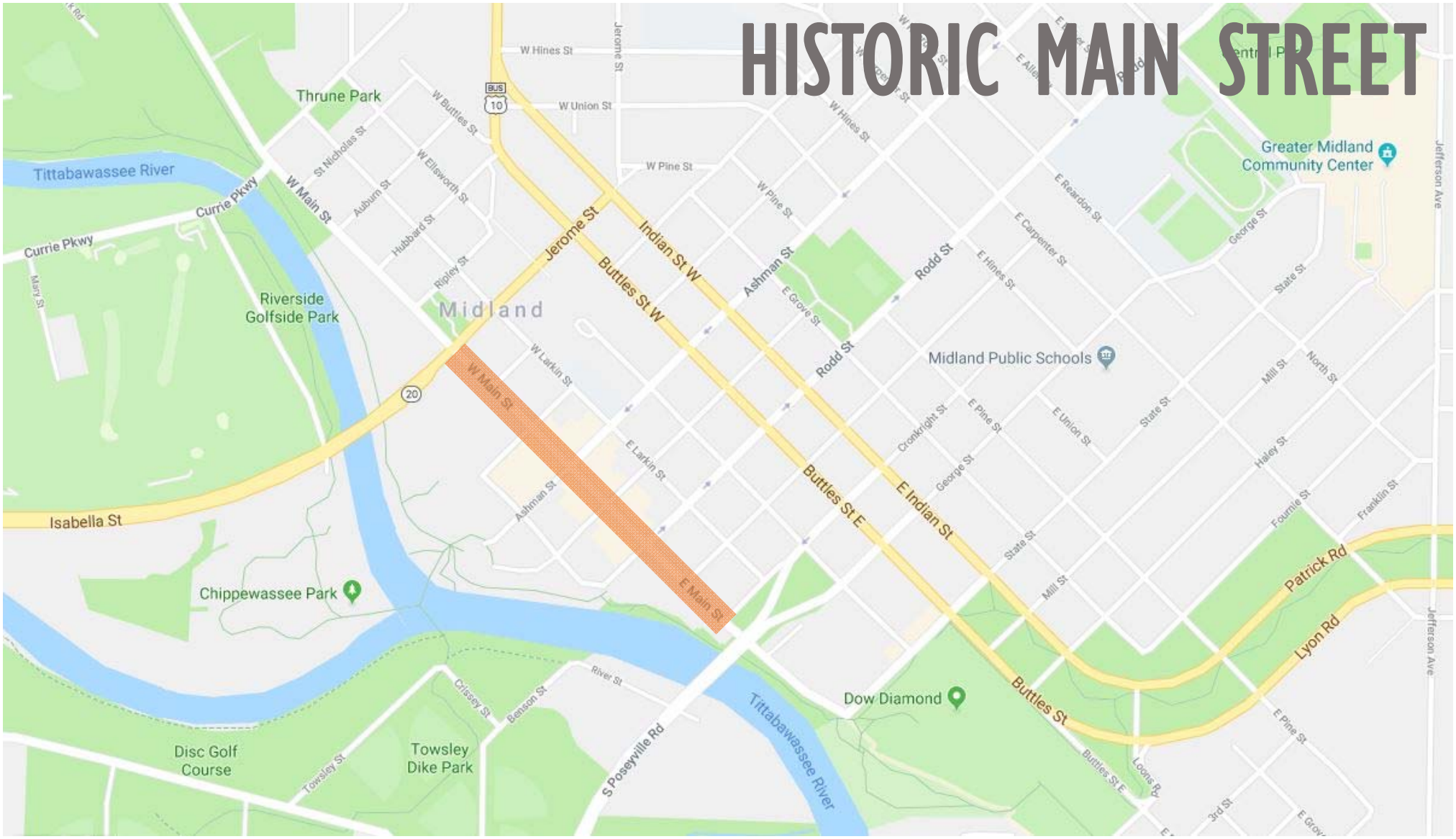
2015-17
MDOT US10 BR CORRIDOR STUDY



HISTORY OF DOWNTOWN MIDLAND PLANNING

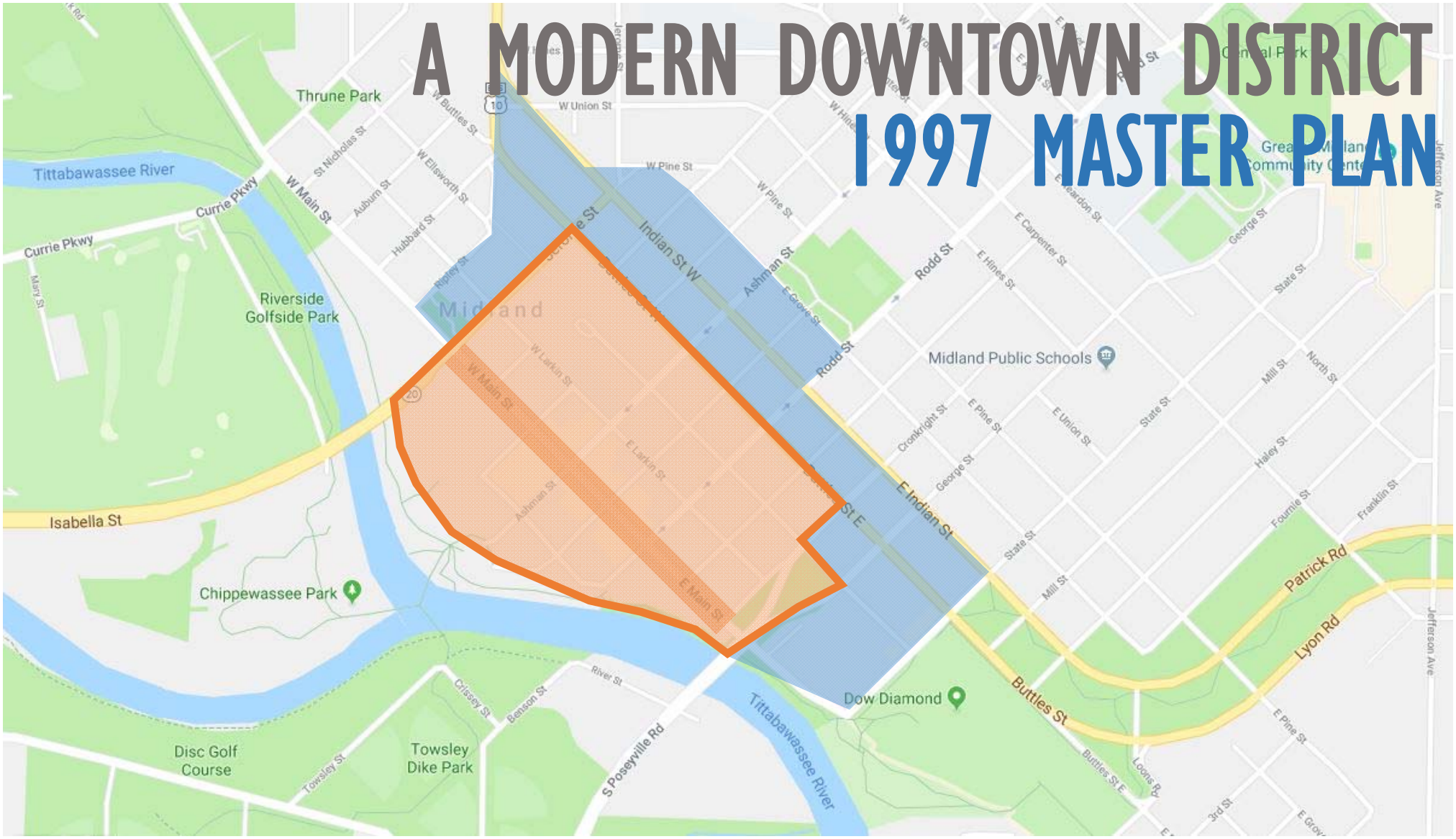

Thrune Park
Tittabawassee River
Currie Pkwy
Currie Pkwy
Riverside Golfside Park
Midland
W Main St
W Main St
Jerome St
Indian St W
Buttles St W
Buttles St E
E Indian St
Buttles St
Rodd St
Rodd St
Rodd St
Ashman St
Central Park
Greater Midland Community Center
Midland Public Schools
Isabella St
Chippewassee Park
Disc Golf Course
Towsley Dike Park
Dow Diamond
E Main St
S Poseyville Rd
Tittabawassee River
Patrick Rd
Lyon Rd
Jefferson Ave
W Hines St
W Union St
W Pine St
W Buttles St
St Nicholas St
W Ellsworth St
Auburn St
Hubbard St
Ripley St
W Larkin St
E Larkin St
E Grove St
W Reardon St
W Carpenter St
W Hines St
E Baker St
E Allen St
E Reardon St
E Carpenter St
E Hines St
George St
State St
Mill St
North St
Haley St
Fourie St
Franklin St
Cronkright St
E Pine St
E Union St
Mary St
Crissey St
Benson St
River St
Towsley St
Buttles St E
Loons Rd
3rd St

HISTORIC MAIN STREET



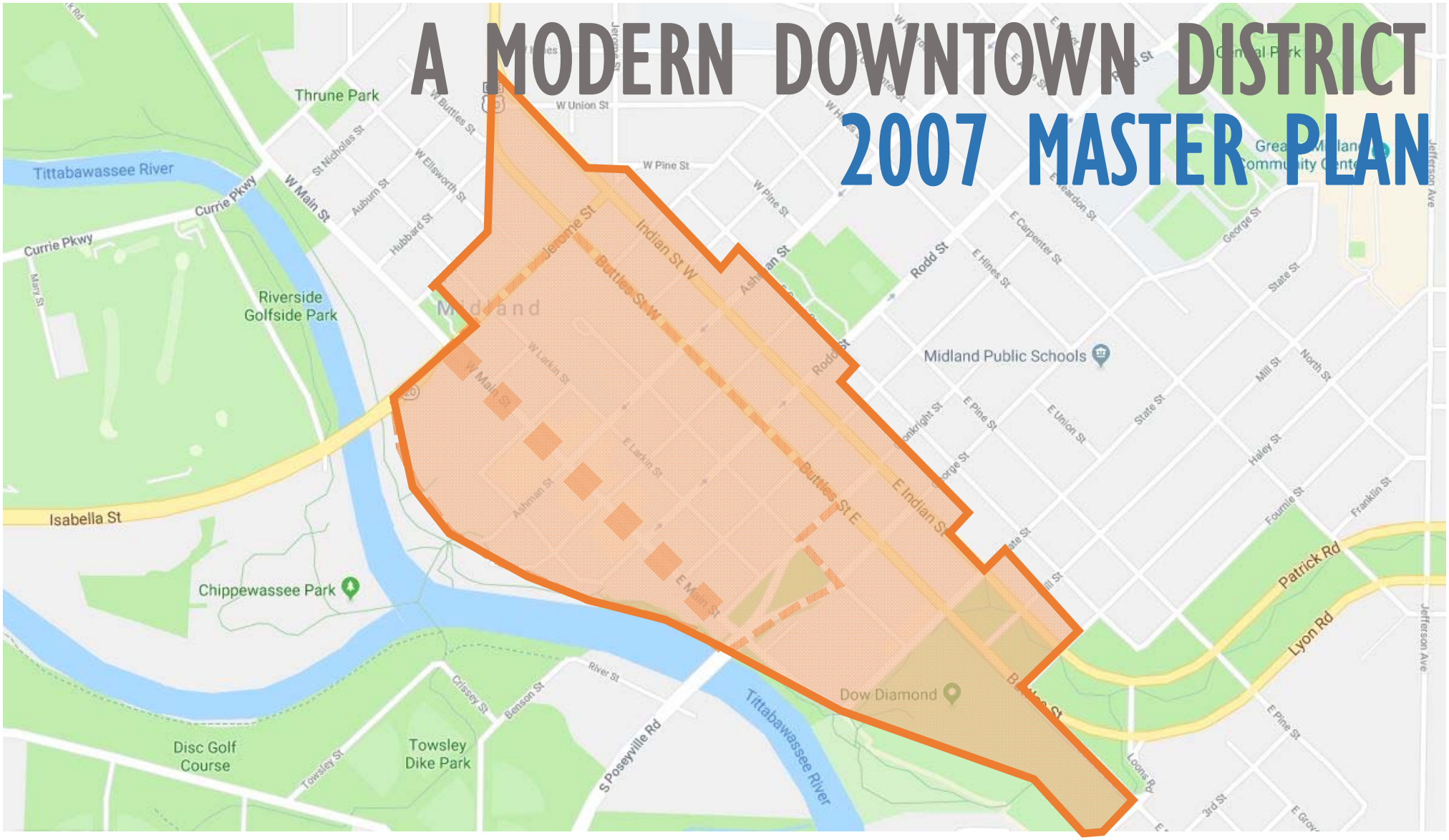
A MODERN DOWNTOWN DISTRICT

1997 MASTER PLAN



A MODERN DOWNTOWN DISTRICT

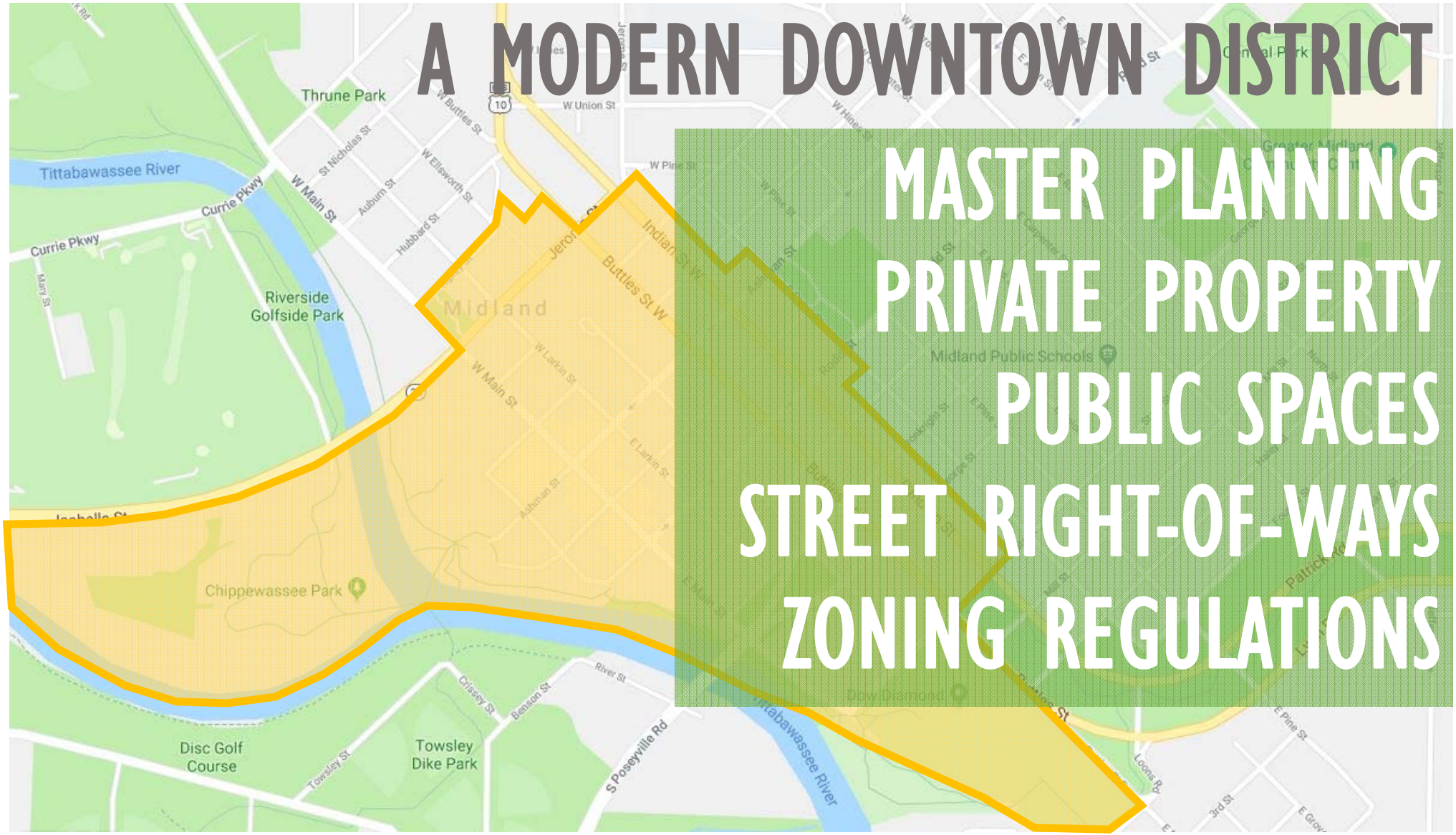
2007 MASTER PLAN



DOWNTOWN FUTURE LAND USE

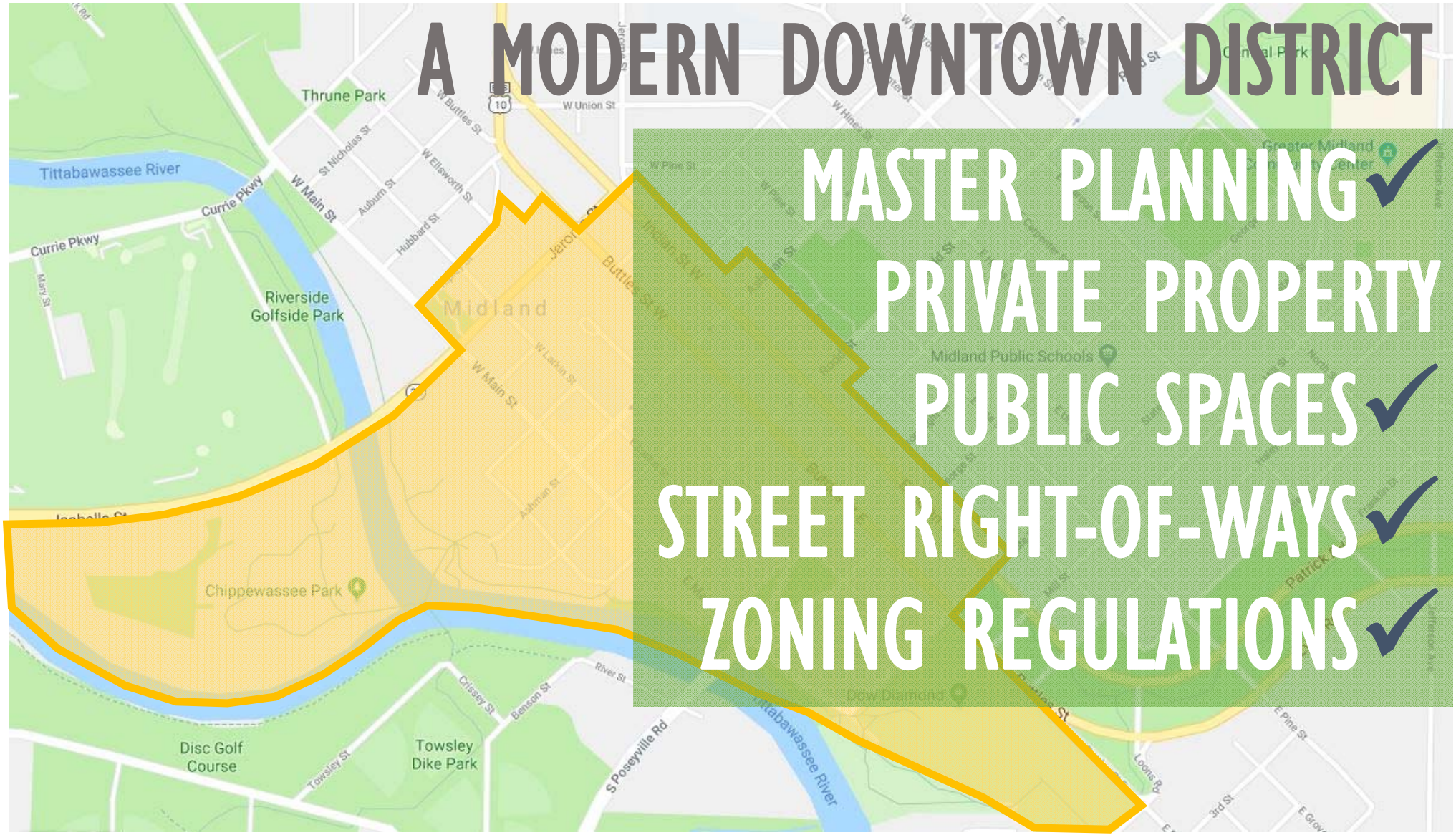
Objective: Expanding and enhancing the vibrancy of downtown by adding density, mixed-use developments, and expanding to incorporate the ballpark area

A MODERN DOWNTOWN DISTRICT



MASTER PLANNING
PRIVATE PROPERTY
PUBLIC SPACES
STREET RIGHT-OF-WAYS
ZONING REGULATIONS

A MODERN DOWNTOWN DISTRICT



MASTER PLANNING ✓

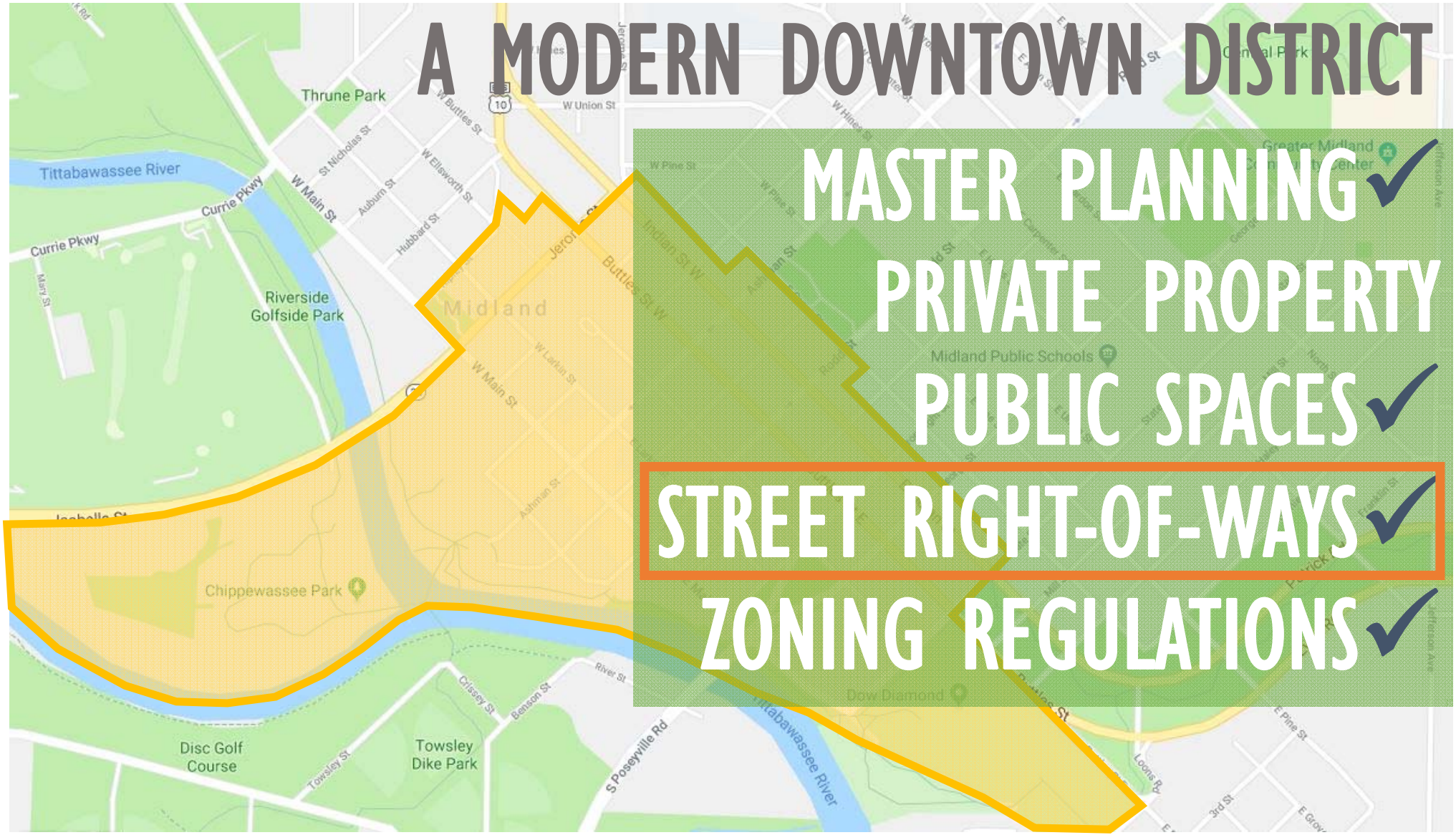
PRIVATE PROPERTY

PUBLIC SPACES ✓

STREET RIGHT-OF-WAYS ✓

ZONING REGULATIONS ✓

A MODERN DOWNTOWN DISTRICT



MASTER PLANNING ✓

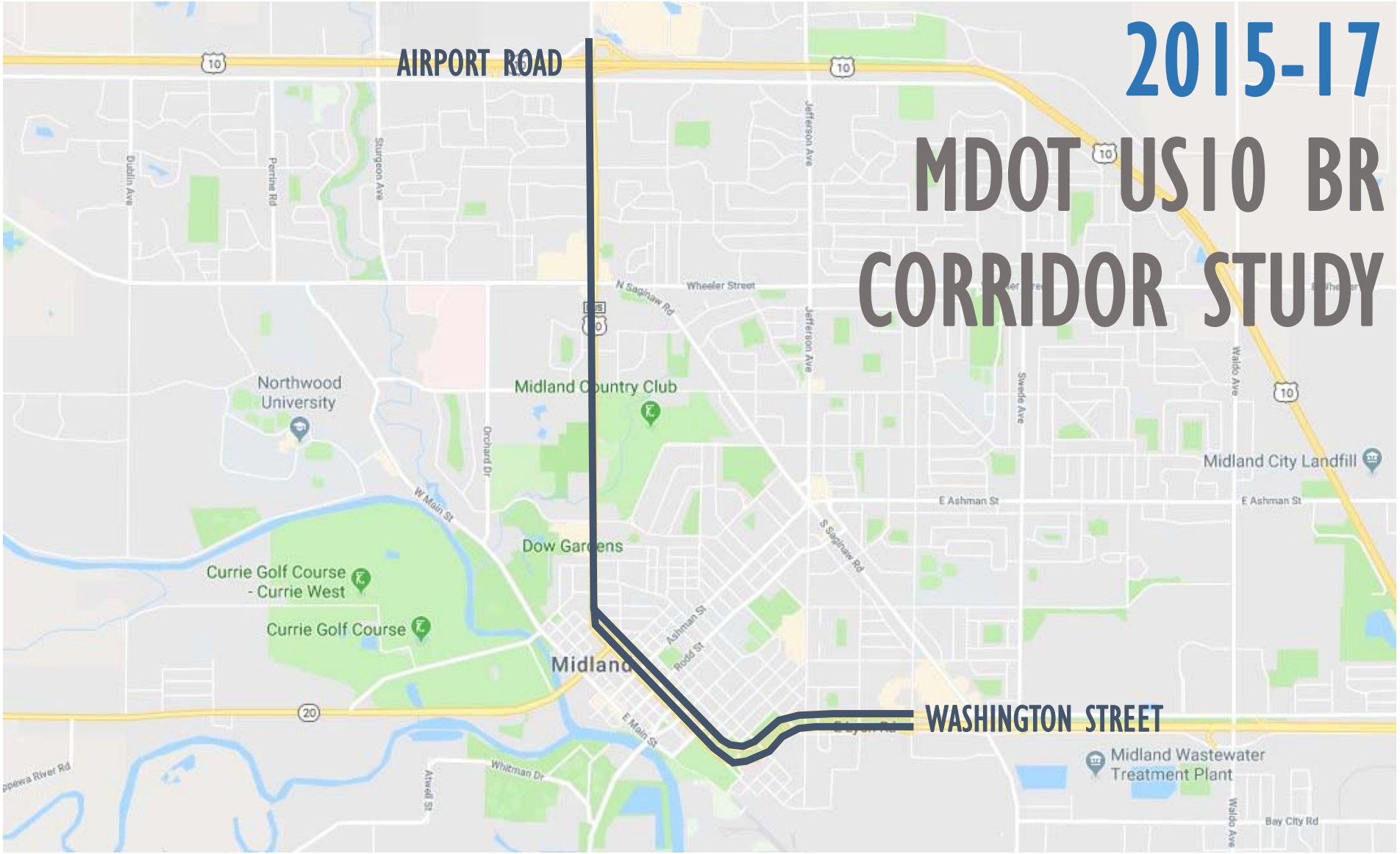
PRIVATE PROPERTY

PUBLIC SPACES ✓

STREET RIGHT-OF-WAYS ✓

ZONING REGULATIONS ✓

2015-17
MDOT US10 BR CORRIDOR STUDY



PURPOSE OF 2015-17 STUDY

1. Accomodate TRAFFIC (existing and future)
2. Enhance SAFETY for all modes of transportation
3. Increase CONNECTIVITY to surrounding neighborhoods
4. Improve NON-MOTORIZED MOBILITY
5. Implement CONTEXT SENSITIVE DESIGN
6. Support ECONOMIC DEVELOPMENT within the corridor

COMPLETE STREETS POLICIES

1 **MDOT** (Governor Granholm in mid-2000s)

2 **City of Midland** (adopt June 2010)

PUBLIC INVOLVEMENT IN THE 2015-17 STUDY

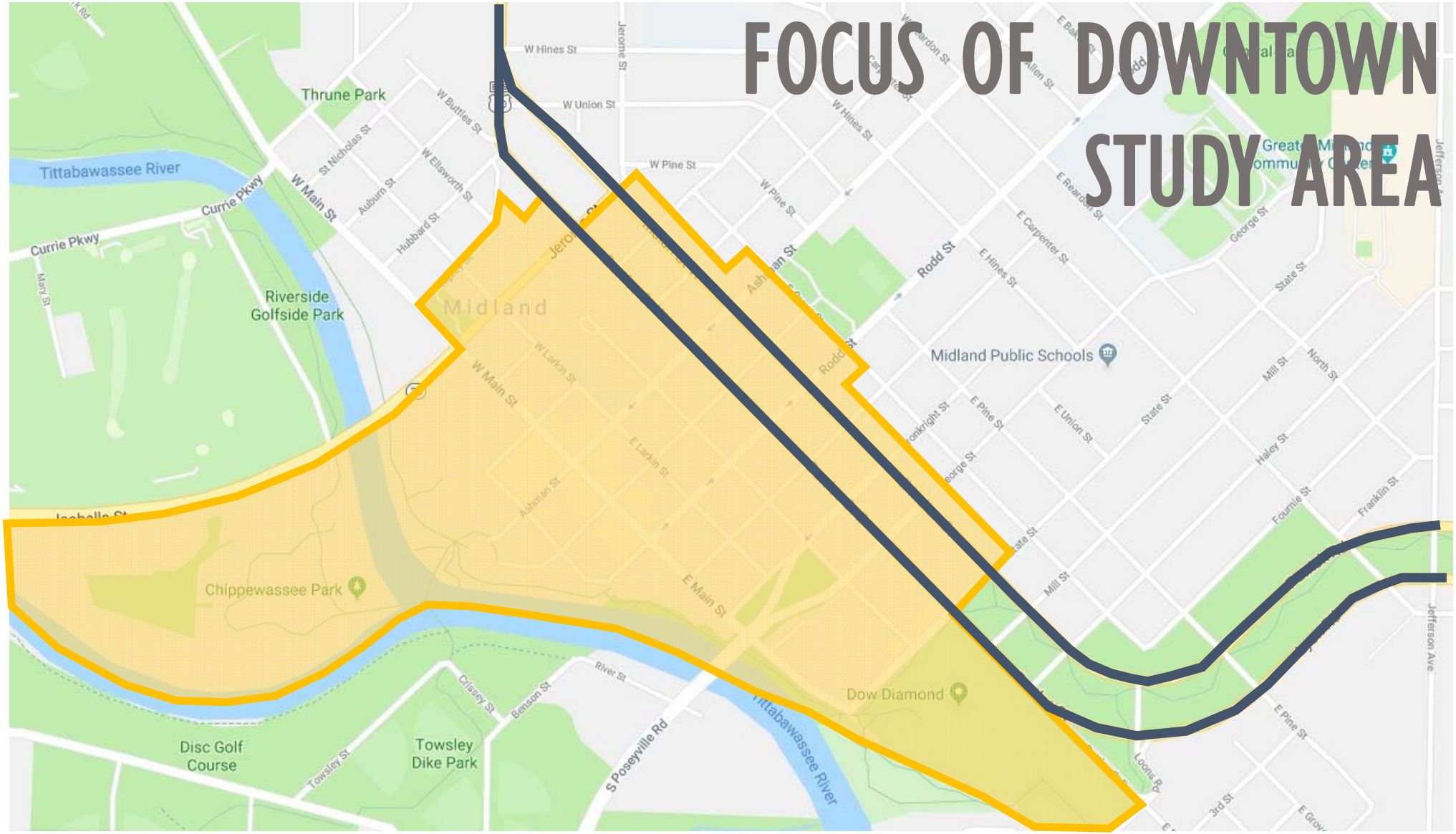
1 STEERING COMMITTEE

2 PUBLIC INPUT SESSION (December 14, 2016)

STEERING COMMITTEE PARTICIPANTS

1. **MDOT**
2. **CITY OF MIDLAND** (including DDA & Non-Motorized Transportation Committee)
3. **DISCOVERY SQUARE** (MCFTA)
4. **MIDLAND BUSINESS ALLIANCE** (Chamber & Midland Tomorrow)
5. **MICHIGAN BASEBALL FOUNDATION** (Momentum Midland)
6. **MIDLAND AREA COMMUNITY FOUNDATION**

FOCUS OF DOWNTOWN STUDY AREA



TRAFFIC & SAFETY

TRAFFIC & SAFETY:

1 **EXCESS CAPACITY** in current design

2 **TRAFFIC SPEED** must be slowed to improve non-motorized experience and improve context sensitive design

3 **SAFETY** of corridor for <u>all users</u> must not decrease

MEASUREMENTS

EXCESS CAPACITY

Traffic flow monitoring, traffic speed analysis, intersection performance, corridor crash data (MDOT & City)

TRAFFIC SPEED

Traffic speed analysis (MDOT)

SAFETY

Corridor crash data (MDOT & City)

ACCIDENT DATA:

1. Increase in number of accidents (from prior year)
2. Details of accidents is more accurate
3. Data should not be looked at solely in aggregate

By DRIVER VIOLATION

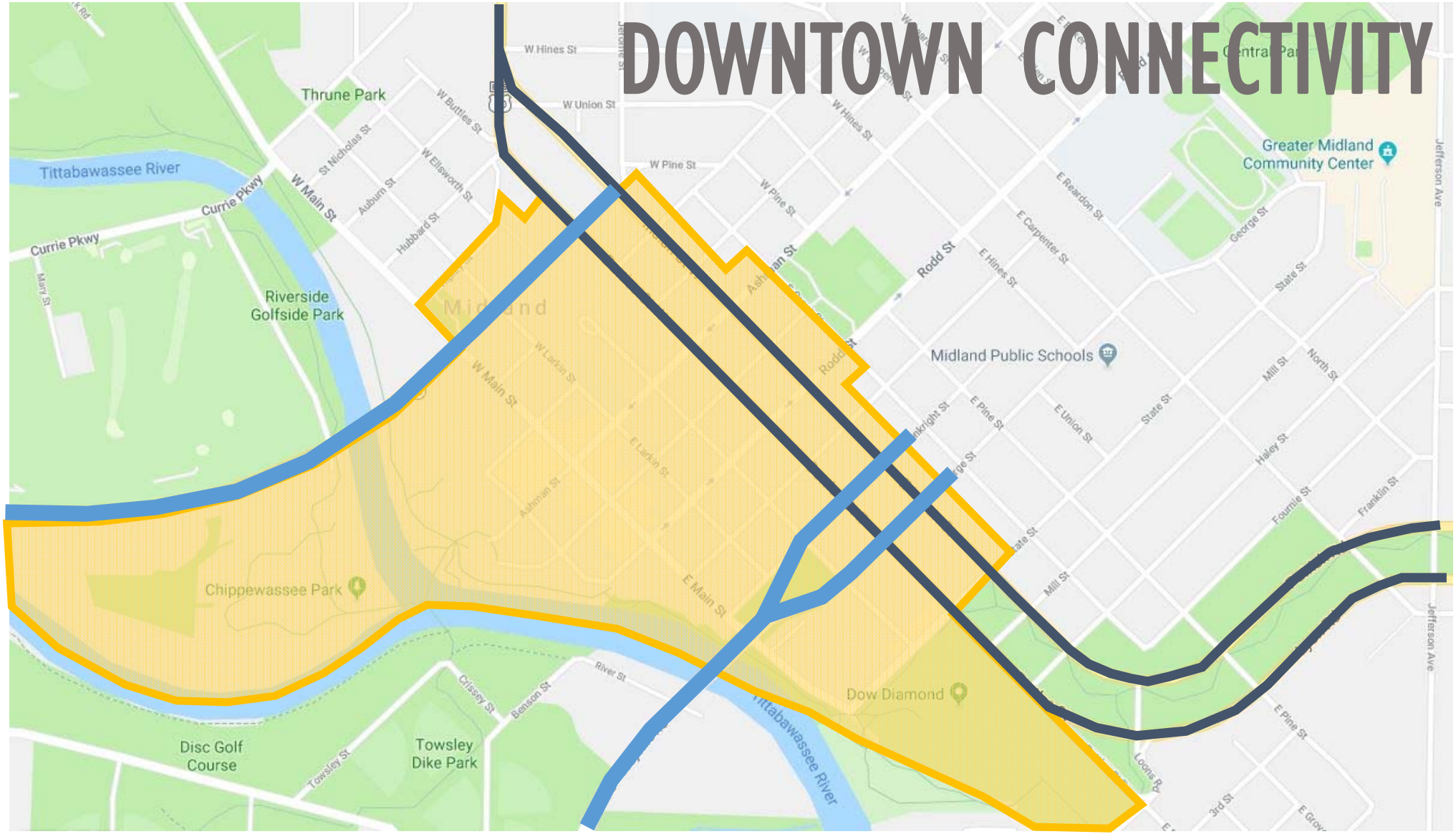
	Angle Driveway	Angle Straight	Angle Turn	Bicycle	Fixed Object	Misc. Multiple Vehicle	Misc. Single Vehicle	Parking	Rear End Driveway	Rear End Left Turn	Rear End Straight	Side Swipe Same	Total
May 2009 to May 2010		11	3								1	6	21
May 2010 to May 2011	1	10	3								1	6	21
May 2011 to May 2012		13			2	2				1	2	8	28
May 2012 to May 2013	1	15	2								4	4	26
May 2013 to May 2014		11	2			1		1		1	3	7	26
May 2014 to May 2015		11	1			2					1	2	17
May 2015 to May 2016		9				2		1			3	9	24
May 2016 to May 2017		7	1			2					2	6	18
May 2017 to May 2018		10		1		5					3	7	26
May 2018 to May 2019		17				3	2		1	1	5	8	37

By CRASH TYPE

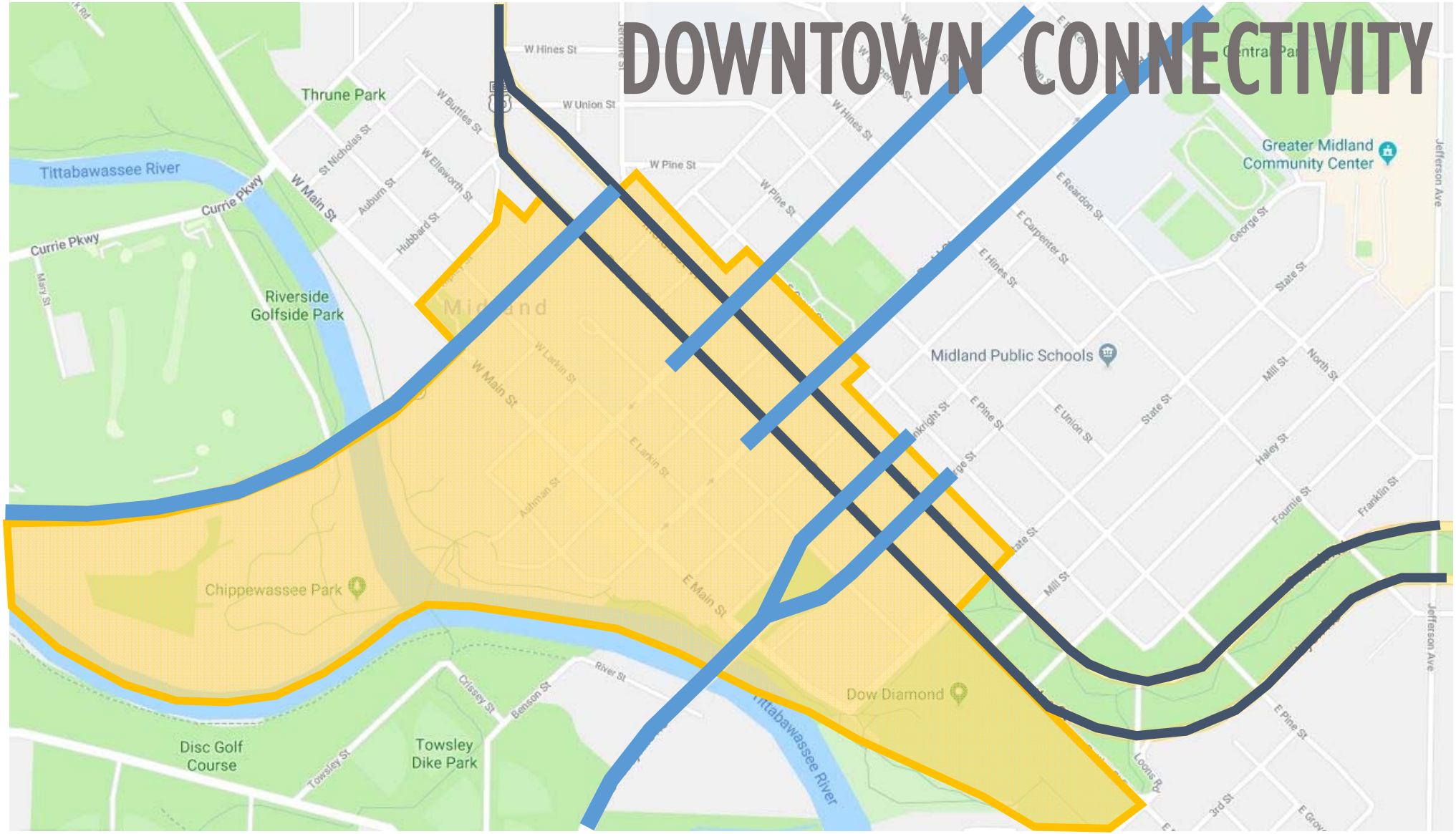
	Careless or Negligent	Disobeyed TCD	Drove Wrong Way	Fail to Stop ACD	Failed to Yield	Improper Lane Use	Improper Turn	Other	Speed Too Fast	Ran Red Light
May 2009 to May 2010		8	1		3	5	1	2		7
May 2010 to May 2011		7		1	3	5	3			7
May 2011 to May 2012	1	11		3	3	4	2		1	13
May 2012 to May 2013		10	1	4	7	1	1			11
May 2013 to May 2014		6		4	9	3	3			7
May 2014 to May 2015		9		2	2	1	2			10
May 2015 to May 2016		5		4	5	3	4			8
May 2016 to May 2017		5		3	4	2	3			6
May 2017 to May 2018		9		1	3	4	6	1	1	10
May 2018 to May 2019		12		6	6	1	2	1		17

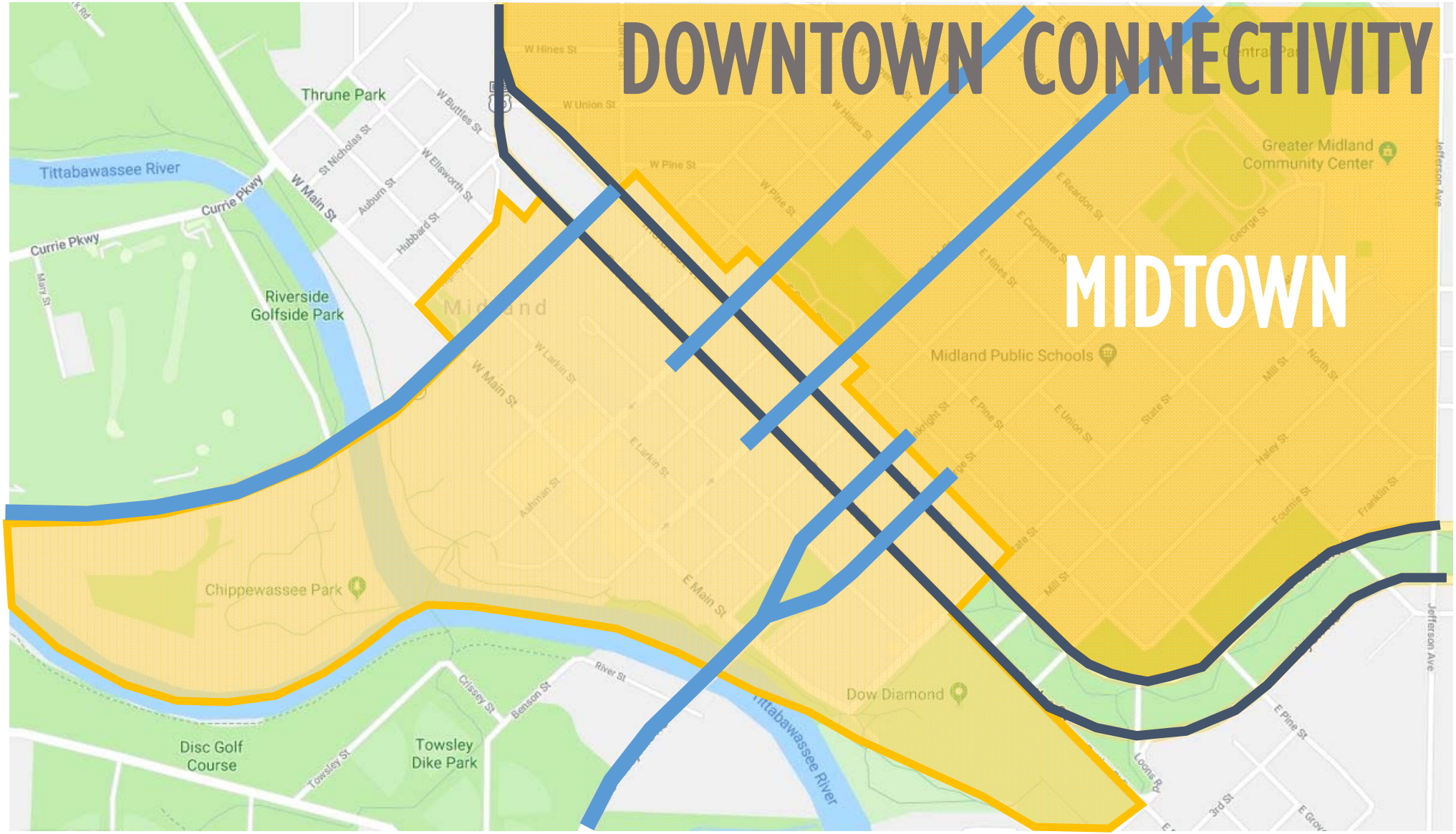
CONNECTIVITY & NON-MOTORIZED MOBILITY

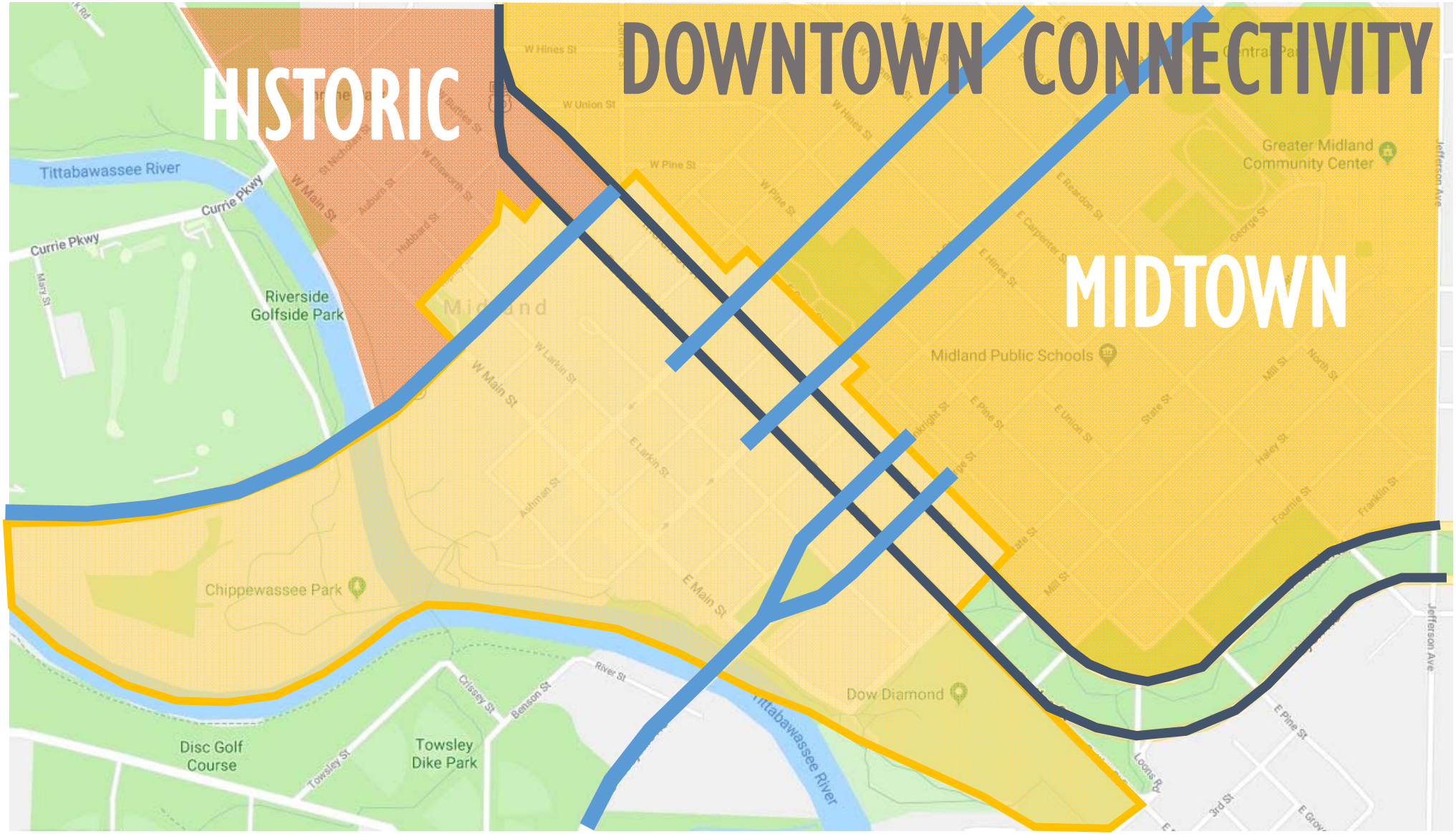
DOWNTOWN CONNECTIVITY

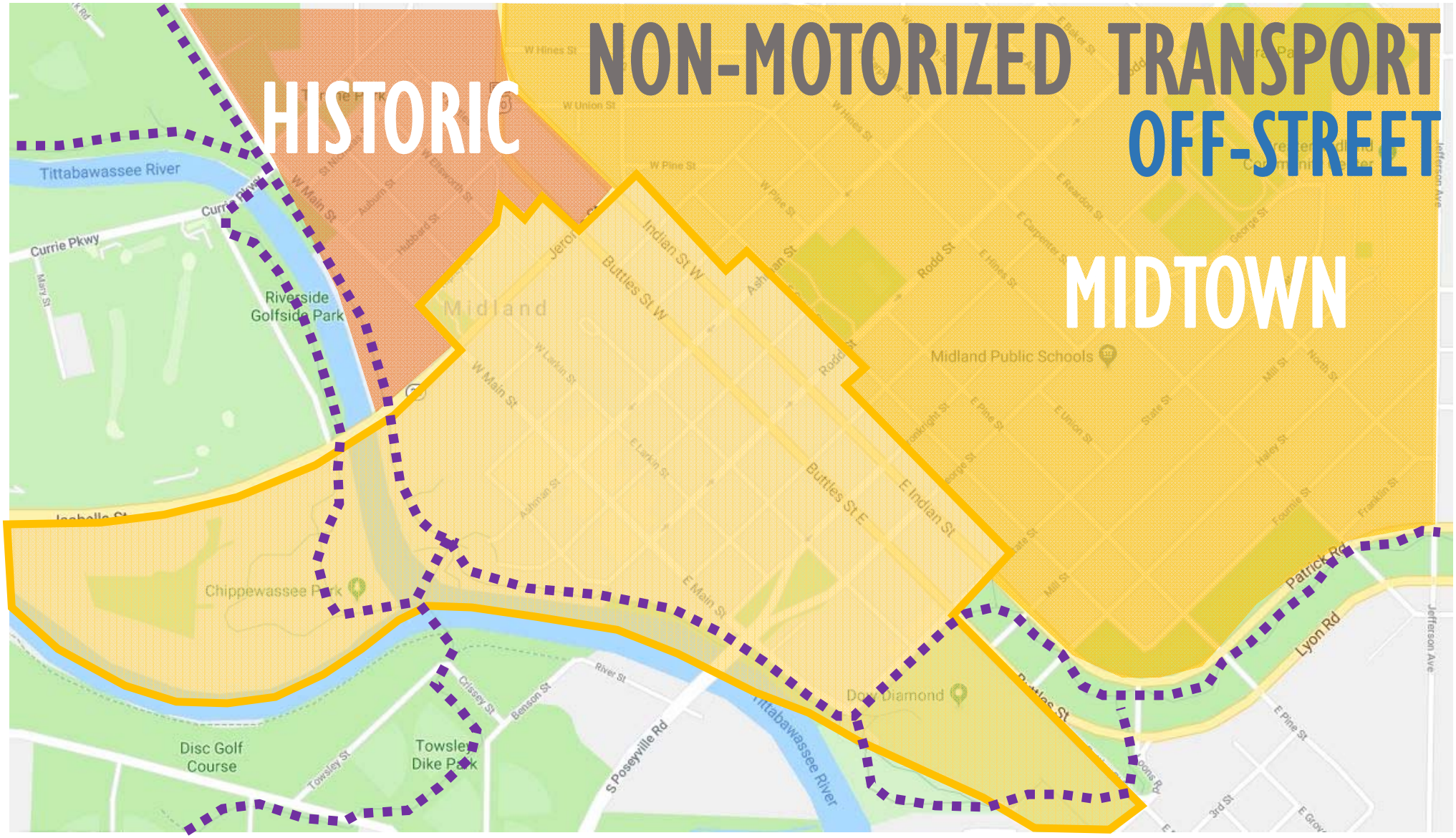


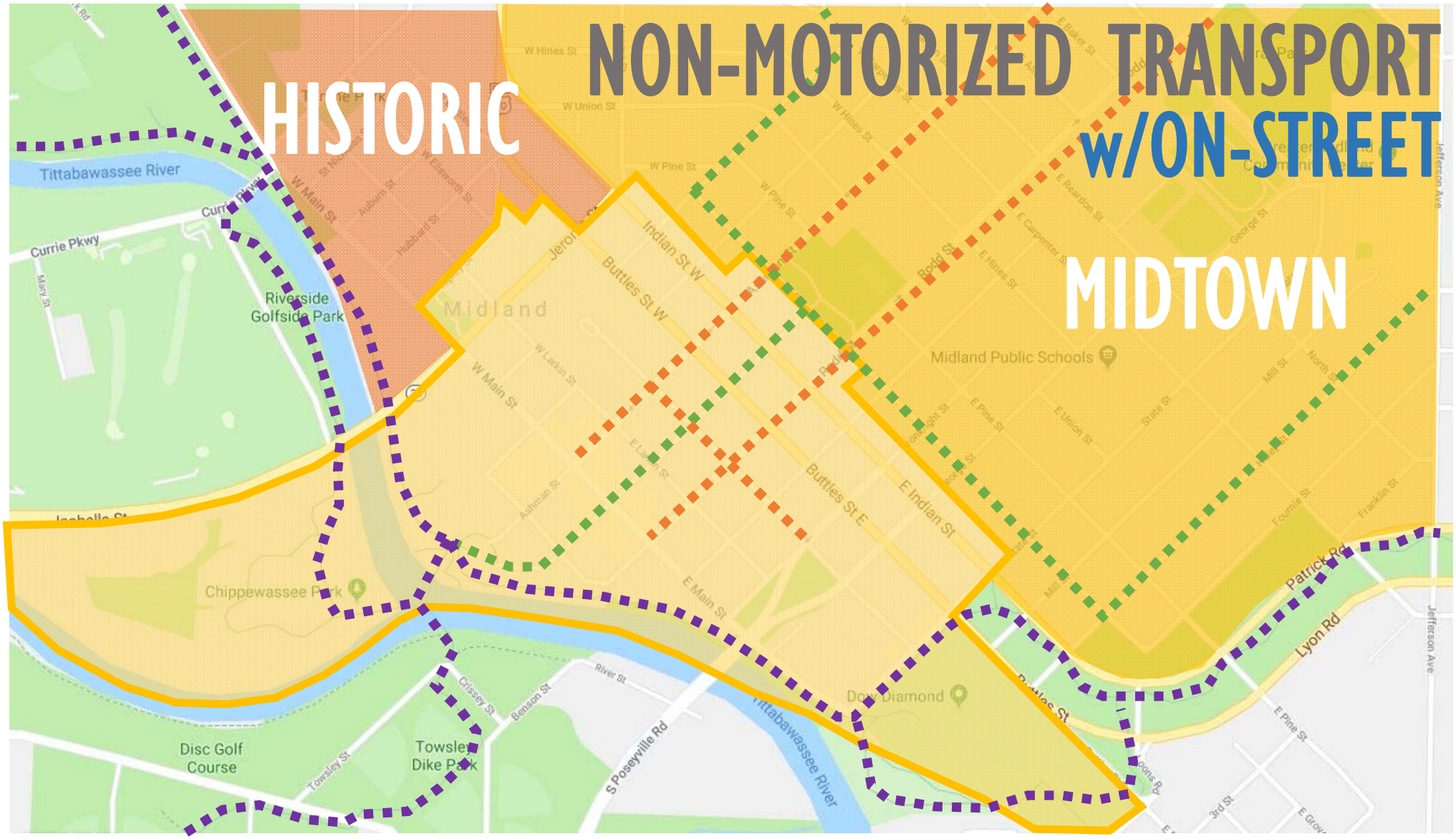
DOWNTOWN CONNECTIVITY




DOWNTOWN CONNECTIVITY
MIDTOWN
Thrune Park
Tittabawassee River
Currie Pkwy
W Main St
St Nicholas St
Auburn St
W Ellsworth St
Hubbard St
W Buttles St
Riverside Golfside Park
Greater Midland Community Center
Midland Public Schools
Chippewassee Park
Dow Diamond
Disc Golf Course
Towsley Dike Park
Towsley St
Crissey St
Benson St
River St
E Main St
W Larkin St
E Larkin St
Ashman St
W Pine St
E Pine St
Mill St
Jefferson Ave
Tittabawassee River


HISTORIC
DOWNTOWN CONNECTIVITY
MIDTOWN
Tittabawassee River
Currie Pkwy
Currie Pkwy
Riverside Golfside Park
Chippewassee Park
Disc Golf Course
Towsley Dike Park
Dow Diamond
Midland Public Schools
Greater Midland Community Center
W Main St
E Main St
W Pine St
E Pine St
W Union St
E Union St
W Hines St
E Hines St
W Larkin St
E Larkin St
Ashman St
Jefferson Ave
Tittabawassee River


NON-MOTORIZED TRANSPORT
OFF-STREET
HISTORIC
MIDTOWN
Tittabawassee River
Currie Pkwy
Riverside Golfside Park
Midland
Indian St W
Buttles St W
Buttles St E
E Indian St
W Main St
E Main St
Rodd St
Midland Public Schools
Chippewassee Park
Disc Golf Course
Towsley Dike Park
S Poseyville Rd
Tittabawassee River
Dow Diamond
Patrick Rd
Lyon Rd
Jefferson Ave


NON-MOTORIZED TRANSPORT
w/ON-STREET
HISTORIC
MIDTOWN
Tittabawassee River
Currie Pkwy
Riverside Golfside Park
Midland
Midland Public Schools
Chippewassee Park
Disc Golf Course
Towsley Dike Park
Dow Diamond
Indian St W
Buttles St W
Buttles St E
E Indian St
W Main St
E Main St
Patrick Rd
Lyon Rd
S Poseyville Rd
Jefferson Ave

CONTEXT SENSITIVE DESIGN & ECONOMIC DEVELOPMENT

INDIAN STREET

M-20
BUTTLES STREET

W. THOMAS STREET (M-25) Bay City

DAVENPORT AVENUE (M-58) Saginaw

PLANNING:

Pedestrian safety/incident reporting (MDOT & City)

Final design of a two-lane road profile has not been completed. The design will ultimately determine the experience while in and/or crossing of the corridor.

The corridor is planned for mixed-use purposes.

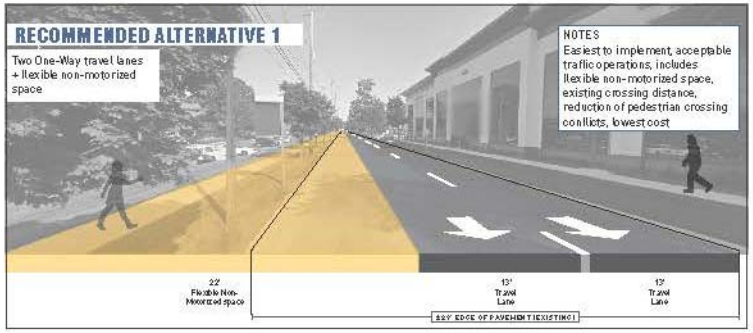
Infill mixed-use development = High ROI of public investment

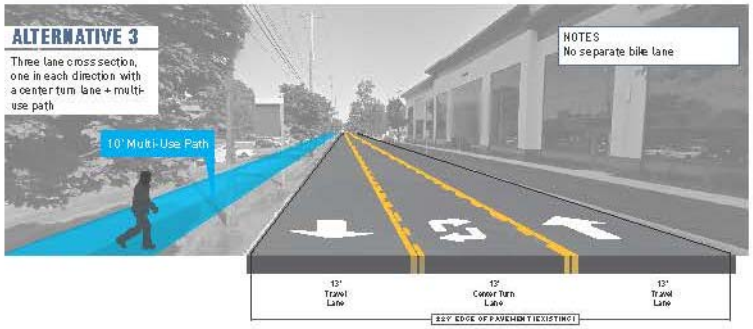
MEASUREMENTS

2015-17 CORRIDOR STUDY RESULTS

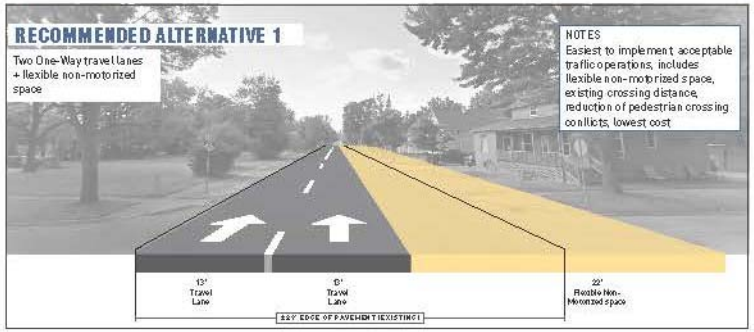
MDOT DESIGN ALTERNATIVES

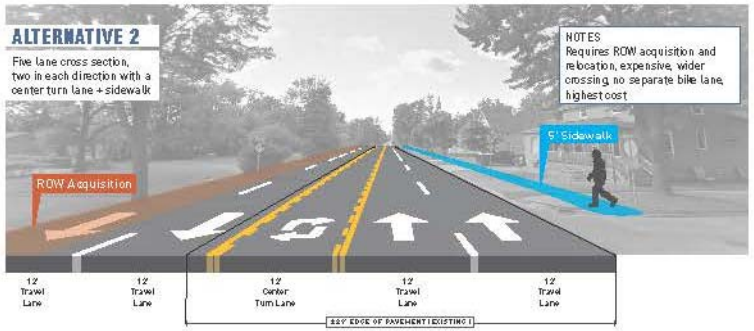
BUTTLES STREET EASTBOUND

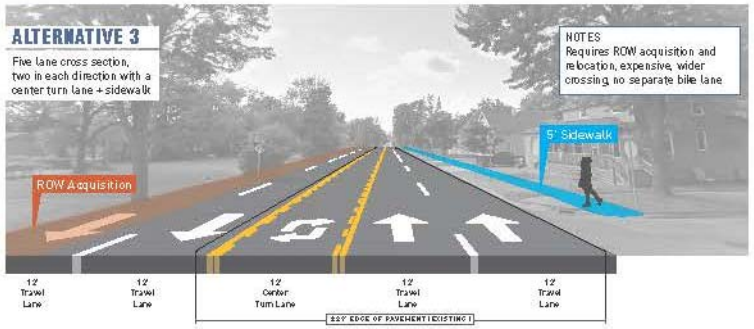




INDIAN STREET WESTBOUND

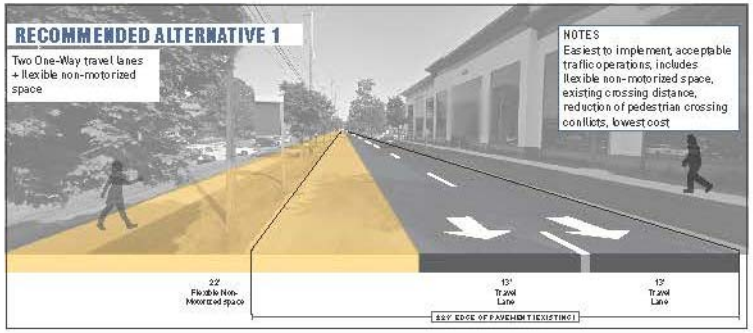


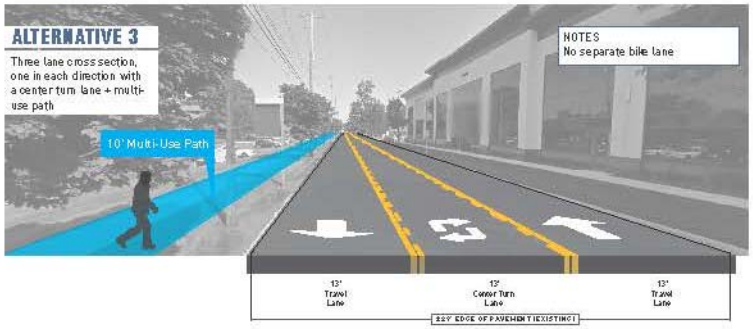




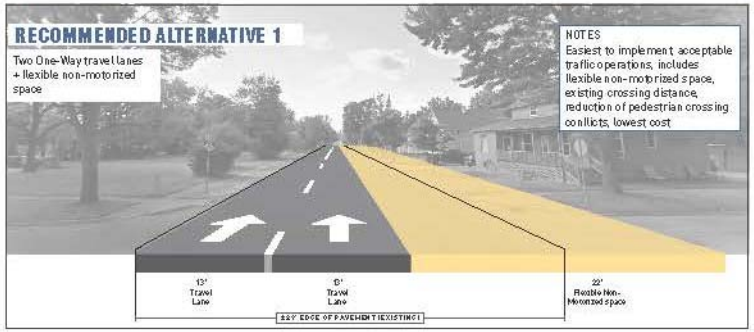
MDOT DESIGN ALTERNATIVES

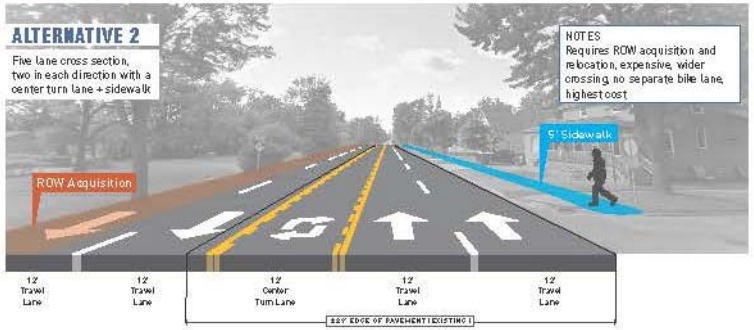
BUTTLES STREET EASTBOUND

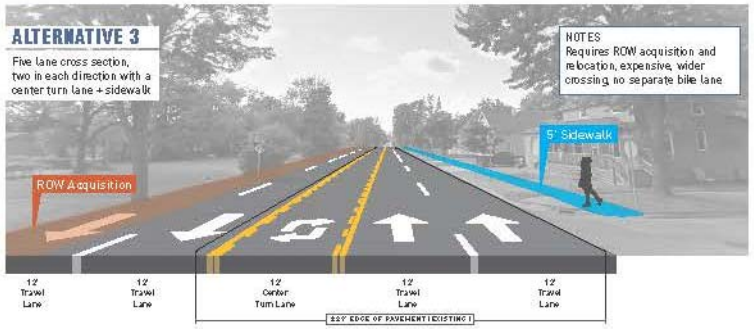




INDIAN STREET WESTBOUND







10 BIKE LANE ALTERNATIVES

US-10 CORRIDOR PLAN
Midland, Michigan

BUFFERED BIKE LANE - PLANTED SEPARATOR

BUFFERED BIKE LANE - PHYSICAL SEPARATOR

PREFERRED ALTERNATIVE

PREFERRED ALTERNATIVE

BUFFERED BIKE LANE - PAINTED SEPARATOR

BUFFERED BIKE LANE - PAINTED PAVEMENT

COMMON MISUNDERSTANDINGS

WHO ASKED FOR THE STUDY TO BE DONE?

Michigan Department of Transportation
initiated and commissioned the 2015-17 Study.

City of Midland with MDOT initiated the 2018-current road diet trial.

WHY DO WE NOT SEE ANYONE WALKING OR BIKING IN THE CLOSED LANE?

The lane is closed as a trial for studying purposes only.

THE ORANGE BOLLARDS ARE UNSIGHTLY AND DO NOT LOOK ATTRACTIVE IN DOWNTOWN

The lane is closed temporarily.

Final design of the corridor has not been completed (future consideration involving public input).

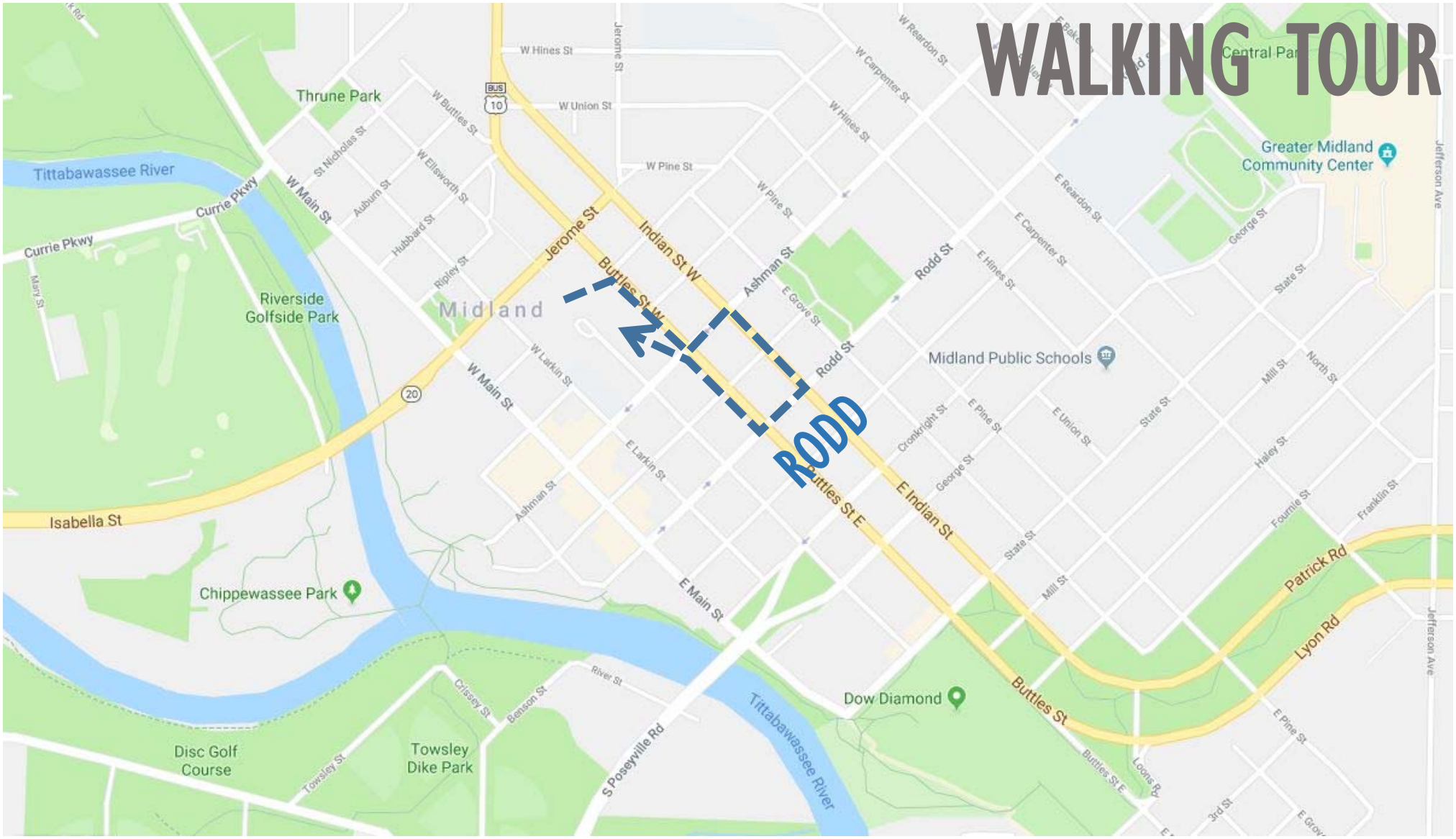
TONIGHT'S WALKING TOUR

1. OBSERVE THE SCALE OF THE ROADWAY IN CONTEXT WITH SURROUNDING DEVELOPMENT
2. ENVISION A POTENTIAL TWO-LANE CORRIDOR
3. OBSERVE PEDESTRIAN AND BICYCLE DESIGN FEATURES
4. OBSERVE VEHICLE DESIGN FEATURES and TRAFFIC FLOW
5. ENVISION ADDITIONAL MIXED-USE AND MISSING MIDDLE HOUSING DEVELOPMENT ALONG THE CORRIDOR

WRITTEN COMMENT FORMS

1. WRITTEN COMMENTS WILL BE COLLECTED AND MADE PART OF THE RECORD
2. PLEASE COMPLETE THE FORM AND INCLUDE NAME AND ADDRESS

WALKING TOUR



CONCLUSION OF THE TOUR

Reconvene back in Council Chambers for final comments on observations and adjournment.

OBSERVATIONS

*CIVILITY REMINDER

1. Please keep comments short and concise to respect others' time
2. Please do not cheer or applaud after comments
3. Please direct comments to City staff and not other members of the public
4. Please stay on topic with the specific questions

TONIGHT'S WALKING TOUR

1. OBSERVATIONS ABOUT THE PEDESTRIAN ENVIRONMENT & EXPERIENCE
2. OBSERVATIONS ABOUT VEHICLE TRAFFIC AND THE ROADWAY
3. OBSERVATIONS ABOUT THE FUTURE VISION OF THE CORRIDOR

1 OBSERVATIONS ABOUT THE PEDESTRIAN ENVIRONMENT & EXPERIENCE

2 OBSERVATIONS ABOUT VEHICLE TRAFFIC AND THE ROADWAY

3 OBSERVATIONS ABOUT THE FUTURE VISION OF THE CORRIDOR