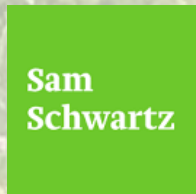




CALUMET AVENUE & RIDGE ROAD STREETScape

TOWN OF MUNSTER

VIRTUAL PUBLIC OPEN HOUSE | DECEMBER 10, 2020 | VIDEO-CONFERENCE



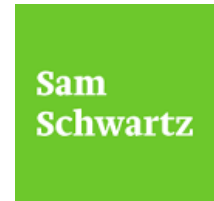
INTRODUCTIONS + PROJECT TEAM



Teska Associates | Community Planning + Landscape Architecture

Jodi Mariano, PLA, Principal Landscape Architect

Heather Faivre, PLA, Associate Landscape Architect



Sam Schwartz Consulting | Transportation + Traffic Planning

Sara Disney Haufe, PE, PTOE, Associate + Deputy Director of Traffic Engineering

PROJECT GOAL

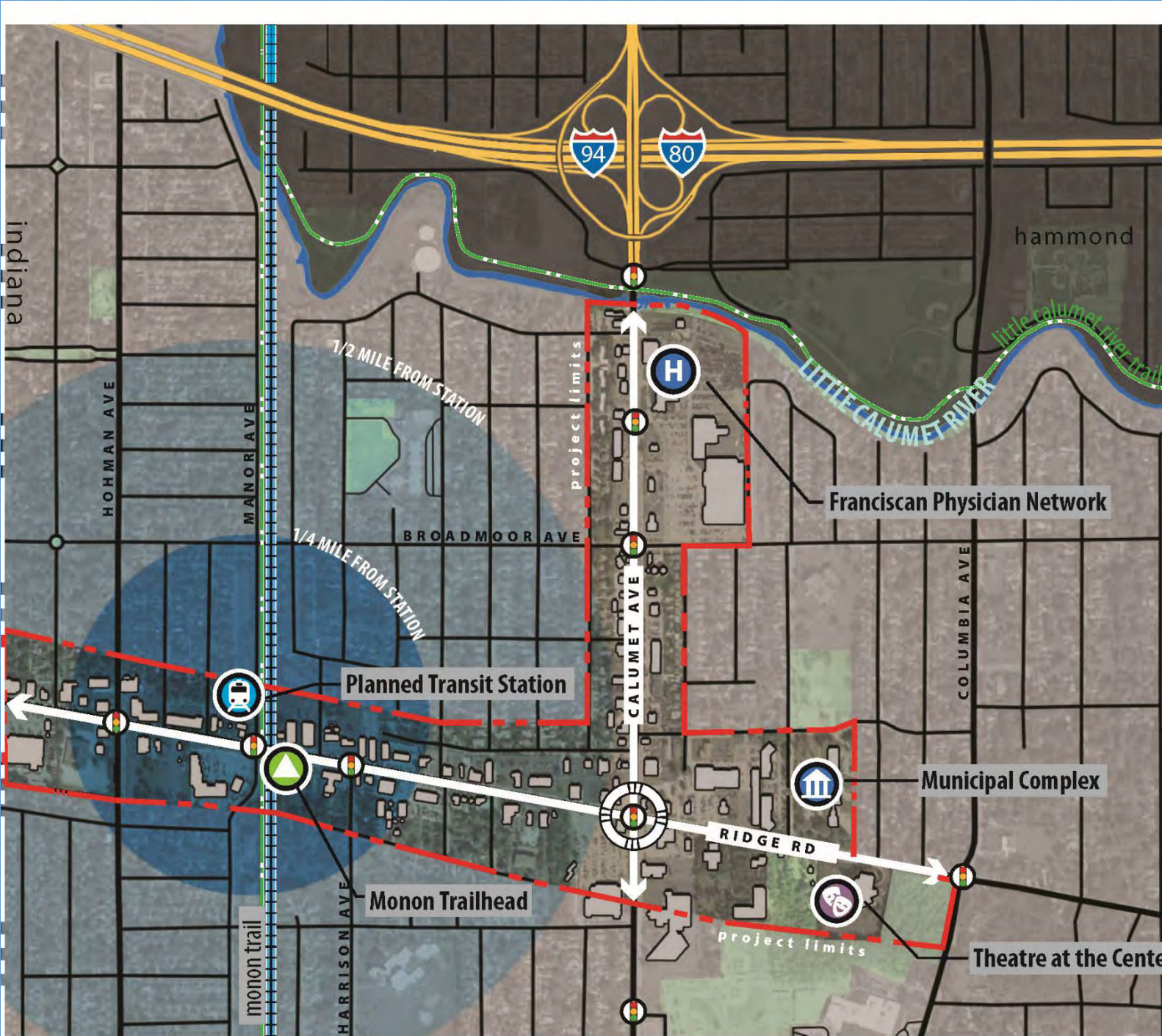
The goal of this project is to develop **a more welcoming environment for walking, biking, to reinforce a sense of place in our community, and to enhance the ability to absorb stormwater and reduce flooding.**

KEY THEMES

- A **safe and comfortable** pedestrian environment
- A functional streetscape providing **stormwater benefits**
- A consistent and **beautiful public realm**
- A **sense of arrival** and identity
- A multimodal system that balances **access and mobility**

FUNDING FOR THE STREETScape PLAN

National Oceanic and Atmospheric Administration + the Indiana Department of Natural Resources Lake Michigan Coastal Program. **“The Coastal Grant”**



STUDY AREA

Tonight's meeting is to review draft concepts and receive your inputs

Phase 1

**Outreach +
Analysis**

Phase 2

**Concepts +
Alternatives**

Phase 3

**Final Plan +
Adoption**

MAY – JULY 2020

**Analysis / project website
Staff meeting**

Committee meeting #1

Neighborhood poll #1

Stakeholder interviews

Farmers market pop up

AUG – DEC 2020

**Concept development
Committee meeting #2**

Neighborhood poll #2

Agency meetings

Plan Commission mtg

Public Open House

JAN 2020 – MARCH 2021

Final plan + pilot project

Committee meetings #3-4

Public meeting

Town Council meeting

OUTREACH | Planning Partners

FACE TO FACE MEETINGS

- Public works meeting (06/18)
- Committee meeting #1 (07/15)
- Community Market (08/04)
- Stakeholder interviews (7/27 – 9/23)
- Public works meeting (10/19)
- Agency review meetings (11/2 - 11/13)
- Committee meeting #2 (11/18)
- Plan commission meeting (12/08)
- Public open house (12/10)**

ONLINE INTERACTIONS

- Project Website (06/18 – present)
- Neighborhood Poll #1 (07/22 – 10/31)
- Neighborhood Poll #2 (12/8 – present)**



OUTREACH | Committee Members

Bill Baker

Plan Commission

Anthony Christopher

Local Business, Top Tier Nutrition

Don Erminger

Local Business, Strack + Van Til

Eman Ibrahim

NW Indiana Regional Planning Commission (NIRPC)

Hope Martin

Resident, Civil Engineer

Lee Ann Mellon

Town Council

Scott Milne

Local Business, Milne Supply

Paul Rotatori

Former President, S. Shore Trails Advocacy Group

Ken Schoon

Town Council

Dan Straka

Local Business, Sweet Tooth

Steve Tripenfeldas

School Town, Asst. Superintendent

Katie Vallis

Indiana Dept Natural Resources (IDNR), Lake Mich Coastal Program (LMCP)

Rachel Branagan

Resident, Architect

OUTREACH | Calumet Avenue key takeaways

1. Sidewalks and crossings are generally perceived as unsafe.
2. Speeding traffic should be calmed.
3. Left turning movements are perceived as challenging and unsafe.
4. Utility poles are unsightly.
5. Trees and greening are lacking.
6. The corridor needs an attractive entry to Munster.



OUTREACH | Ridge Road key takeaways

1. Sidewalks and crossings are generally perceived as unsafe.
2. Additional traffic on Ridge Road seems to coincide with I-94 backups.
3. Outdoor seating + dining are positive trends that should be supported in the public way.
4. Businesses need more parking.
5. Trees and greening are lacking.
6. The planter pots and decorative lights are mismatched and appear 'tired'.
7. The corridor has attractive features but lacks a sense of place.



CONCEPT PLAN ELEMENTS | Sign Family - Metal



1/4" Alum. Routed "Reed" Pattern
Backlit Routed Graphics



GATEWAY PIER

3-Sided Corten Sign Structure
4' Sides x 20' ht.
Internal Tubing
Backlit Channel Mounted Lettering



IDENTITY PIER



3-Sided Corten Sign Structure
2' Sides x 15' ht.
Internal Tubing
Backlit Routed Graphics



Historical Timeline
Ancient Shoreline (12,000 B.C.)
Settlement (1837)
Incorporated (1907)



DIRECTIONAL SIGN

2-Sided
1/8" Alum. Panel
3" or 4" Letters

8" Sq.
Corten Post/
Option: I-Beam



8" Sq.
Corten Post/
Option: I-Beam



PARKING SIGN

2-Sided
1/8" Alum. Panel



BICYCLE DIRECTIONAL



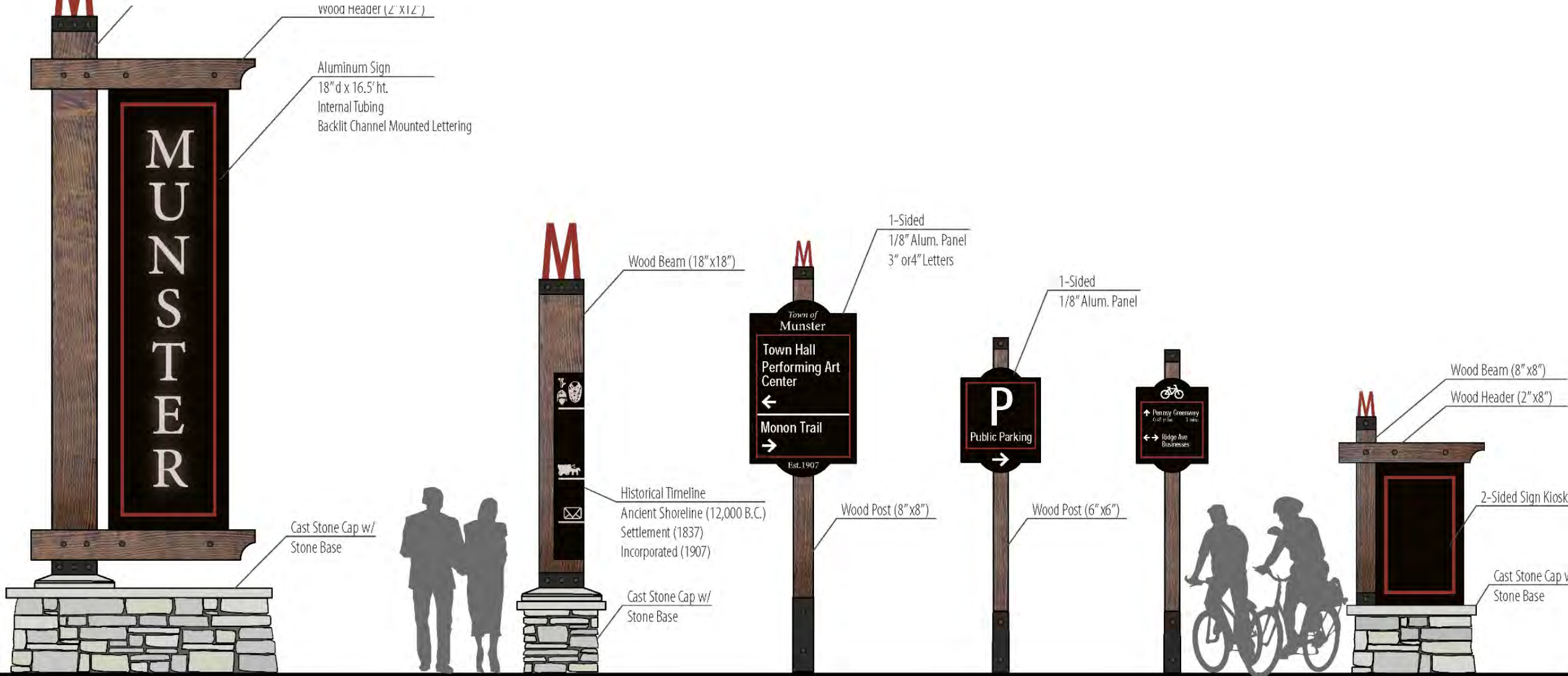
2-Sided Kiosk
3' w. x 1' d. x 7' ht.
Internal Tubing



KIOSK

Corten Routed
"Reed" Pattern
Backlit Routed Graphics

CONCEPT PLAN ELEMENTS | Sign Family – Timber + Stone



GATEWAY PIER

IDENTITY PIER

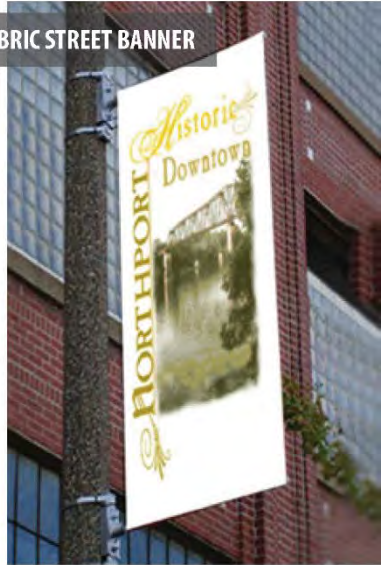
DIRECTIONAL SIGN

PARKING SIGN

BICYCLE DIRECTIONAL

KIOSK

CONCEPT PLAN ELEMENTS | Furnishings - Rustic



CONCEPT PLAN ELEMENTS | Furnishings - Refined



WOOD + ALUMINUM BENCH BACKLESS
LANDSCAPE FORMS GENERATION 50 BENCH



WOOD + ALUMINUM BENCH WITH BACK
LANDSCAPE FORMS AUSTIN BENCH



ALUMINUM BIKE RACK
LANDSCAPE FORMS, BOLA BIKE RACK



WOOD + ALUMINUM
LITTER + RECYCLING RECEPTACLE
LANDSCAPE FORMS GENERATION 50



IRON TREE GRATE
IRON AGE DESIGNS, KELP



IRON TRENCH GRATE
IRON AGE DESIGNS, MINNIONE



METAL STREET BANNER



FABRIC STREET BANNER

CONCEPT PLAN ELEMENTS | Plantings



American Hornbeam
Cornus caroliniana
Mature Height: 25'
Mature Width: 25'
Pollinators: Butterflies/Moths



Black Tupelo
Nyssa sylvatica
Mature Height: 45'
Mature Width: 50'
Pollinators: Bees



Common Hackberry
Celtis occidentalis
Mature Height: 65'
Mature Width: 50'
Pollinators: Butterflies/Moths



Kentucky Coffeetree
Gymnocladus dioica
Mature Height: 50'
Mature Width: 50'
Pollinators: Butterflies/Moths



Ohio Buckeye
Aesculus glabra
Mature Height: 30'
Mature Width: 30'
Pollinators: Bees & Hummingbirds



Red Maple
Acer rubrum
Mature Height: 45'
Mature Width: 40'
Pollinators: Bees & Butterfly Moths



Swamp White Oak
Quercus bicolor
Mature Height: 50'
Mature Width: 40'
Pollinators: Butterflies



Yellowwood
Cladastis kentuckea
Mature Height: 40'
Mature Width: 40'
Pollinators: Butterflies/Moths



Dwarf Bush Honeysuckle
Diervilla lonicera
Mature Height: 1'-3'
Mature Width: 3'-5'

Flower Color: Red/Orange/Yellow
Pollinators: Butterflies & Hummingbirds



Kalm's St. John's wort
Hypericum kalmianum
Mature Height: 2'-3'
Mature Width: 3'-4'

Flower Color: Yellow
Pollinators: Bees



New Jersey Tea
Ceanothus americanus
Mature Height: 2'-3'
Mature Width: 2'-3'

Flower Color: White
Pollinators: Bees, Butterflies/Moths, & Hummingbirds



NOTE: Mature tree heights and widths are dependent on soil conditions and maintenance practice.

CONCEPT PLAN ELEMENTS | Roadway Lights, Signals + Ped Lights



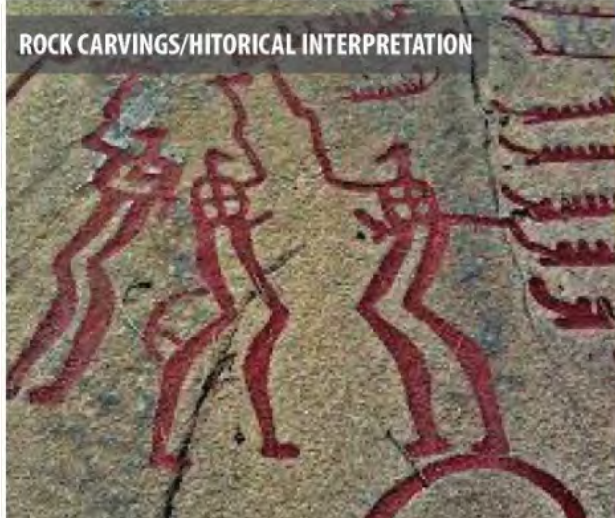
45th and Calumet Ave

Shepherd's
Crook

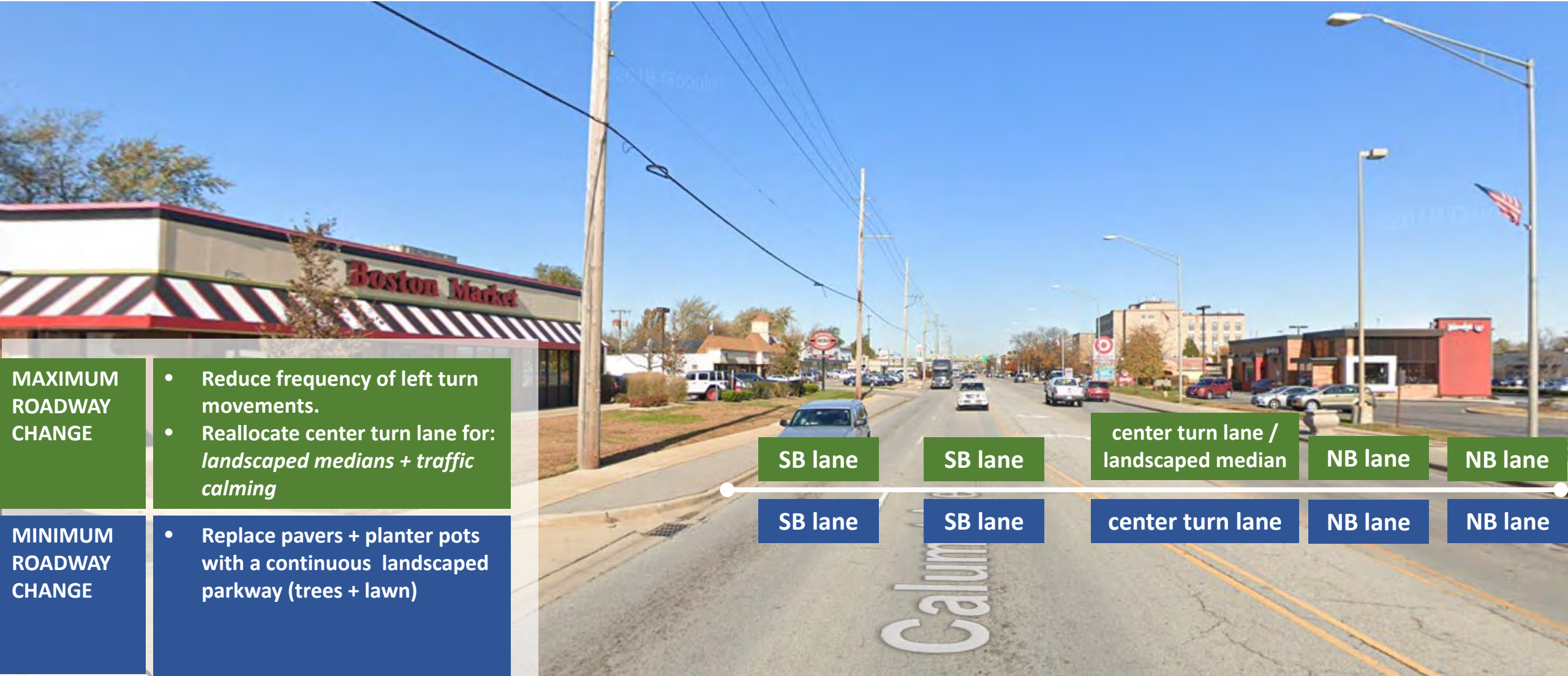
Post Top

Caged Acorn
(Hohman Ave)

CONCEPT PLAN ELEMENTS | Public Art



CONCEPT PLAN | Min vs Max Intro – Calumet Avenue



MAXIMUM ROADWAY CHANGE

- Reduce frequency of left turn movements.
- Reallocate center turn lane for: *landscaped medians + traffic calming*

MINIMUM ROADWAY CHANGE

- Replace pavers + planter pots with a continuous landscaped parkway (trees + lawn)

SB lane

SB lane

center turn lane / landscaped median

NB lane

NB lane

SB lane

SB lane

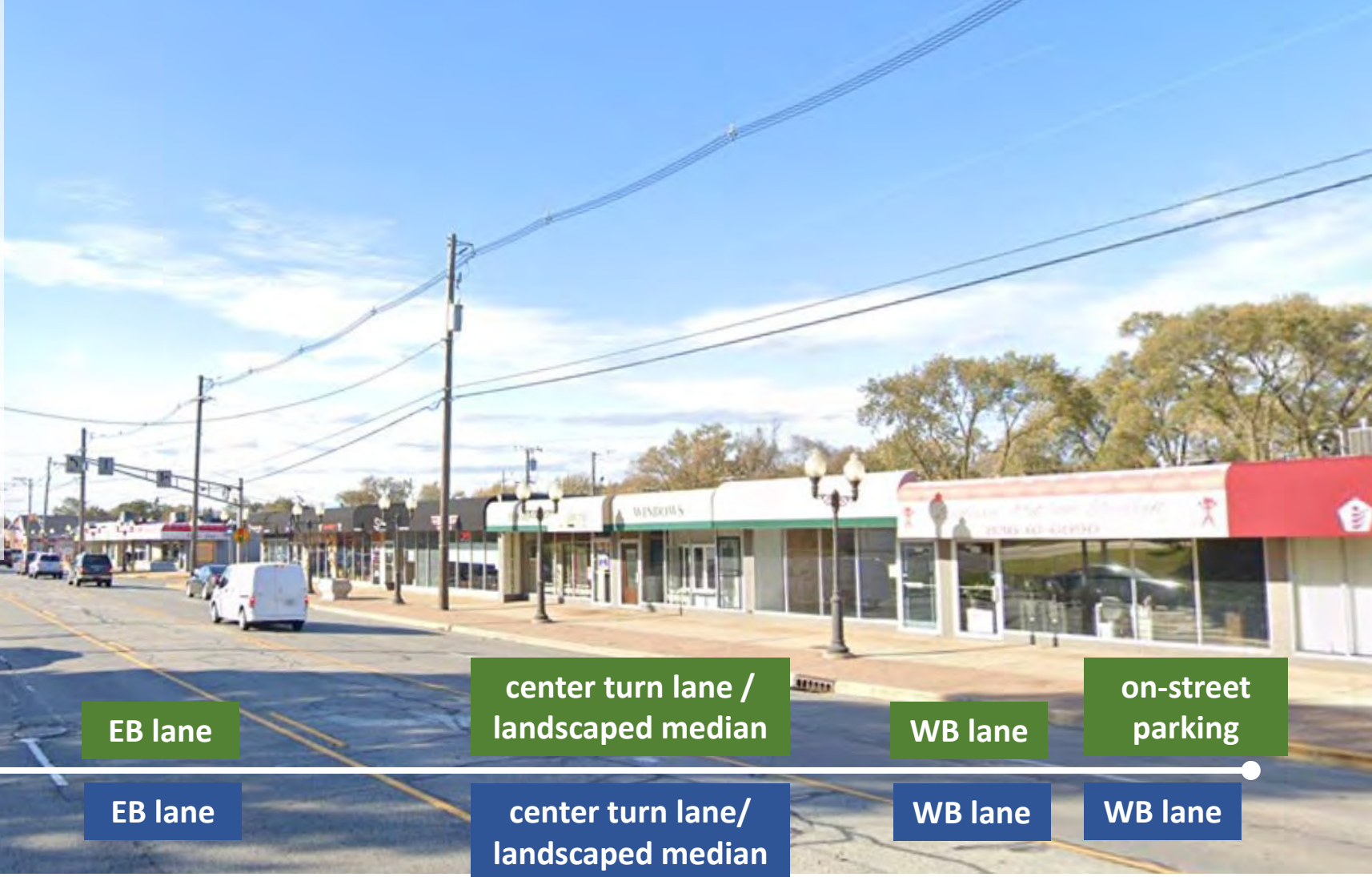
center turn lane

NB lane

NB lane

CONCEPT PLAN | Min vs Max Intro – Ridge Road

<p>MAXIMUM ROADWAY CHANGE</p>	<ul style="list-style-type: none"> • Reduce 5 travel lanes to 3 travel lanes. • Reallocate 2 travel lanes for: <i>on street parking, wider sidewalks, multi-use trail, landscaping + traffic calming</i>
<p>MINIMUM ROADWAY CHANGE</p>	<ul style="list-style-type: none"> • Replace pavers + planter pots with continuous streetscape planting treatments • Replace striped areas with landscaped medians



multi-use trail

EB lane

center turn lane / landscaped median

WB lane

on-street parking

EB lane

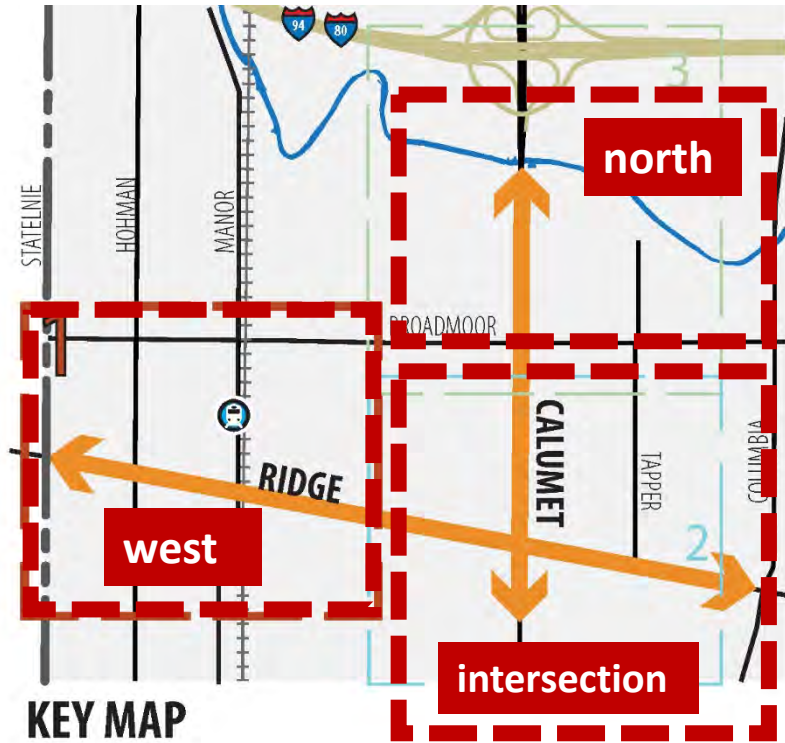
EB lane

center turn lane / landscaped median

WB lane

WB lane

CONCEPT PLAN | Min vs Max Roadway Change



LEGEND

- SIGNALIZED INTERSECTION
- PLANNED TRANSIT STATION LOCATION
- PLANNED TRANSIT RAIL LINE
- POTENTIAL RELOCATION FOR OVERHEAD POWERLINES (FURTHER STUDY REQUIRED)
- PARCEL LINE
- RIGHT OF WAY
- CONTOUR LINE
- REGIONAL TRAIL

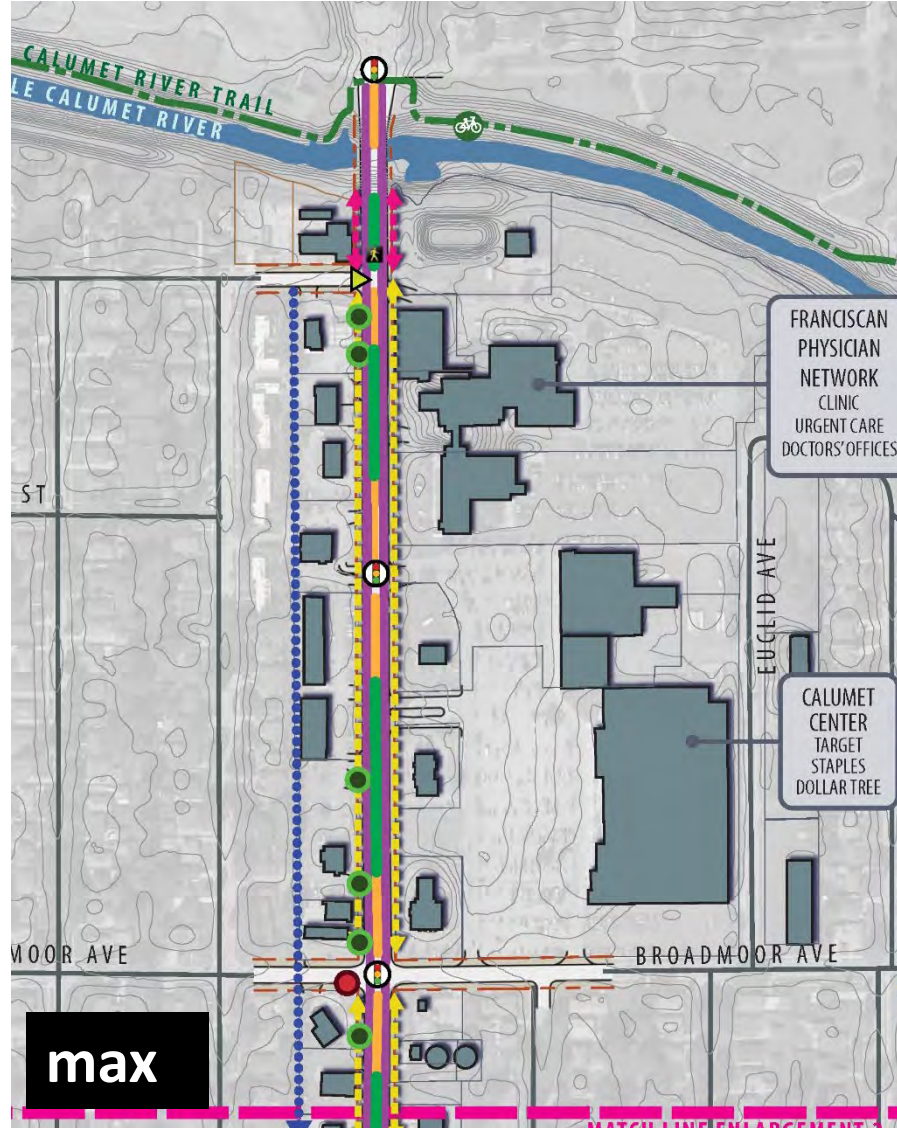
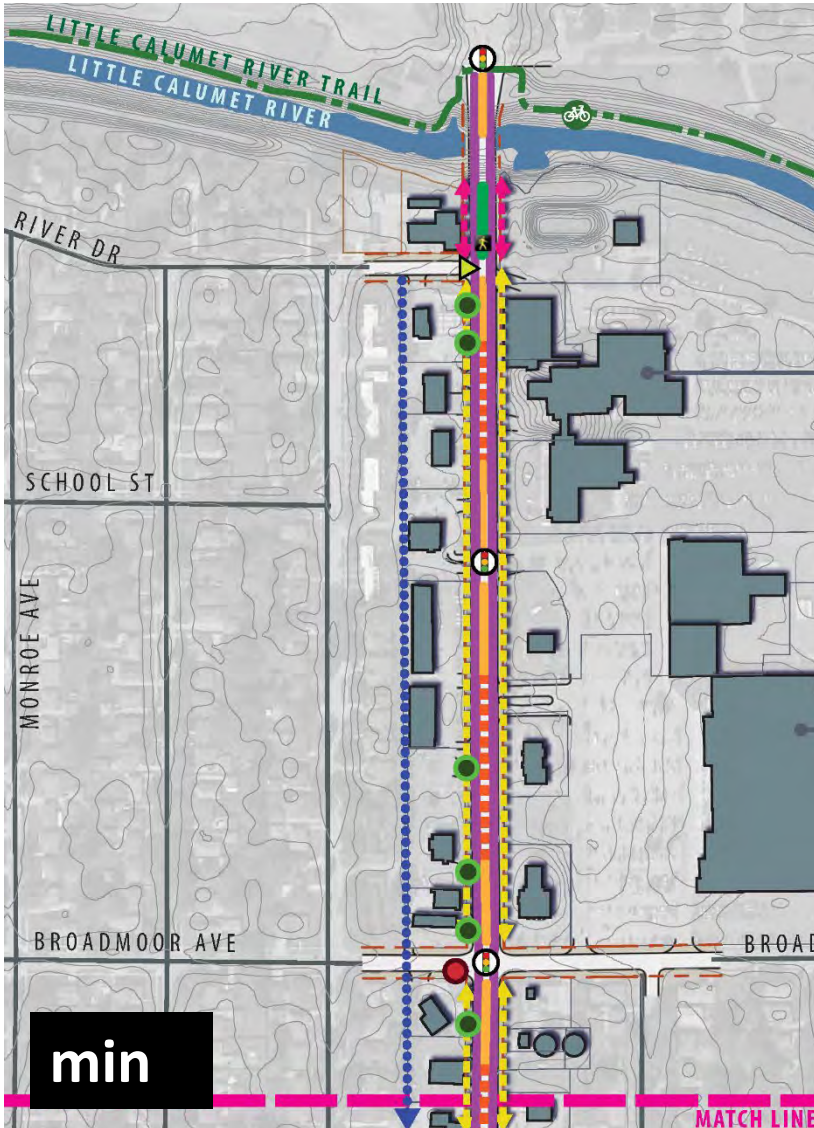
ROADWAY

- (2) TRAVEL LANES
- 2-WAY LEFT TURN LANE
- DEDICATED LEFT TURN LANE
- DEDICATED RIGHT TURN LANE
- LANDSCAPE MEDIAN
- MID-BLOCK CROSSING
- RIGHT IN/RIGHT OUT
- MODIFIED CURB-CUT
- CLOSED CURB-CUT
- NEW CURB-CUT

RIGHT OF WAY TO CURB

- DOWNTOWN STREETScape
(WIDE SIDEWALKS 11'-16" WIDTH, TREES IN GRATES/PLANTERS, DECORATIVE PAVING)
- 6' SIDEWALKS W/ LANDSCAPE PARKWAY
- 10' to 12' SIDEWALK
- 7'-6" to 8'-6" SIDEWALK
- 5'-6" to 6' SIDEWALK

CONCEPT PLAN PRESENTATION | Min vs Max - north



ROADWAY

- (2) TRAVEL LANES
- (1) TRAVEL LANE
- 2-WAY LEFT TURN LANE
- DEDICATED LEFT TURN LANE
- DEDICATED RIGHT TURN LANE
- LANDSCAPE MEDIAN
- ON-STREET PARKING
- MID-BLOCK CROSSING
- RIGHT IN/RIGHT OUT
- MODIFIED CURB-CUT
- CLOSED CURB-CUT
- NEW CURB-CUT

RIGHT OF WAY TO CURB

- DOWNTOWN STREETScape
(WIDE SIDEWALKS 11'-16" WIDTH, TREES IN GRATES/PLANTERS, DECORATIVE PAVING)
- 6' SIDEWALKS W/ LANDSCAPE PARKWAY
- 10' to 12' SIDEWALK
- 7'-6" to 8'-6" SIDEWALK
- 5'-6" to 6' SIDEWALK
- 10' MULTI-USE PATH (PED/BICYCLE)

FRANCISCAN PHYSICIAN NETWORK CLINIC URGENT CARE DOCTORS' OFFICES

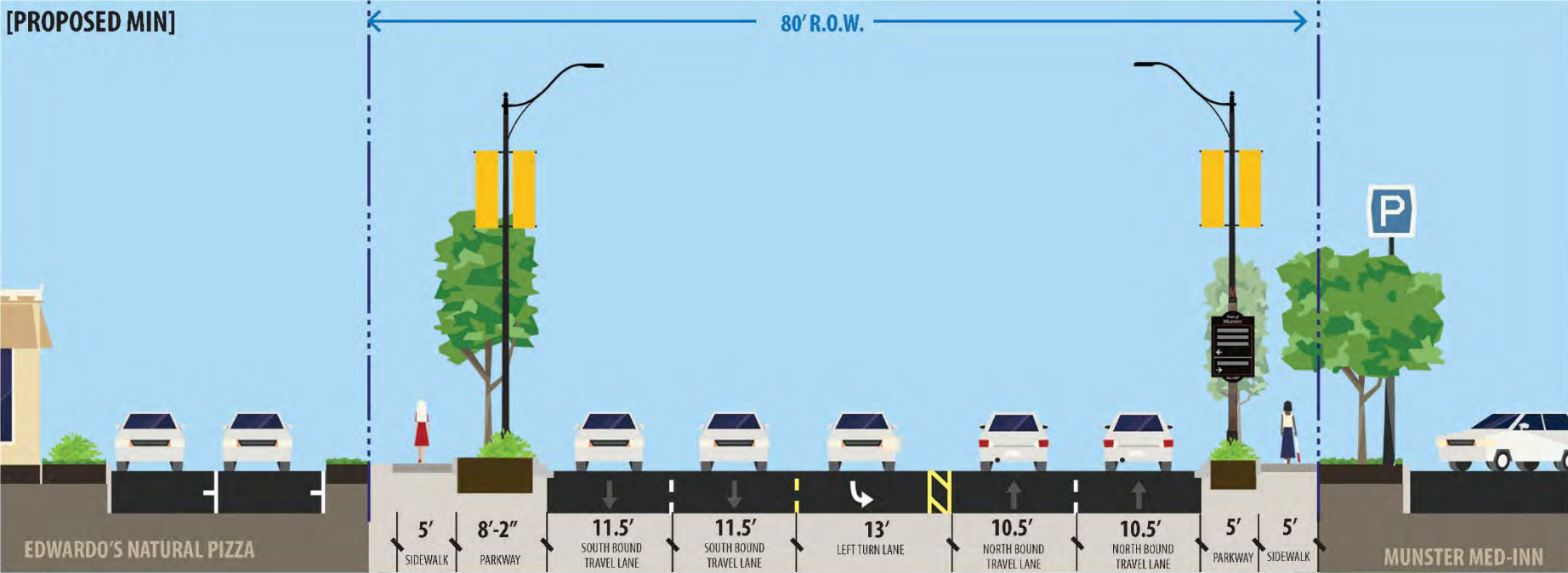
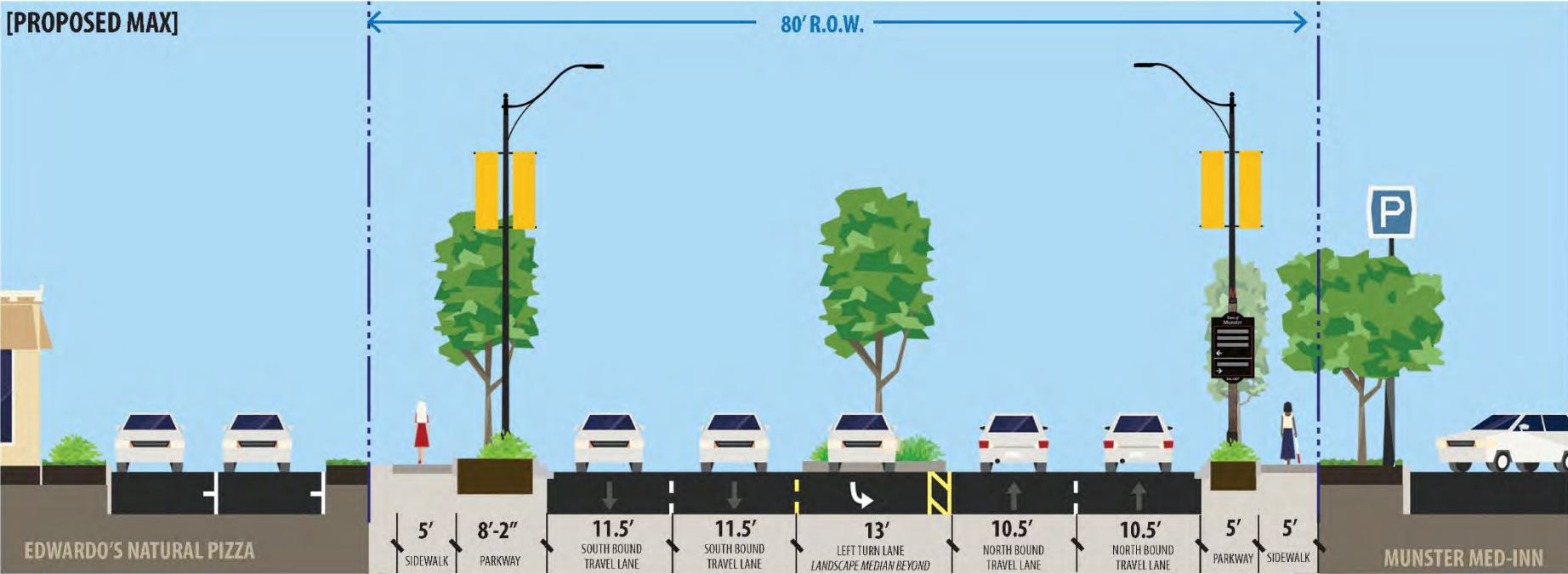
CALUMET CENTER TARGET STAPLES DOLLAR TREE

MATCH LINE

MATCH LINE (E) (S) (W) (N)

Calumet Ave Sections

South of River Drive



CONCEPT PLAN PRESENTATION | Photovisualizations

Gateway entry sign and salt tolerant trees, shrubs + grasses

Replace railing with steel-backed timber rail

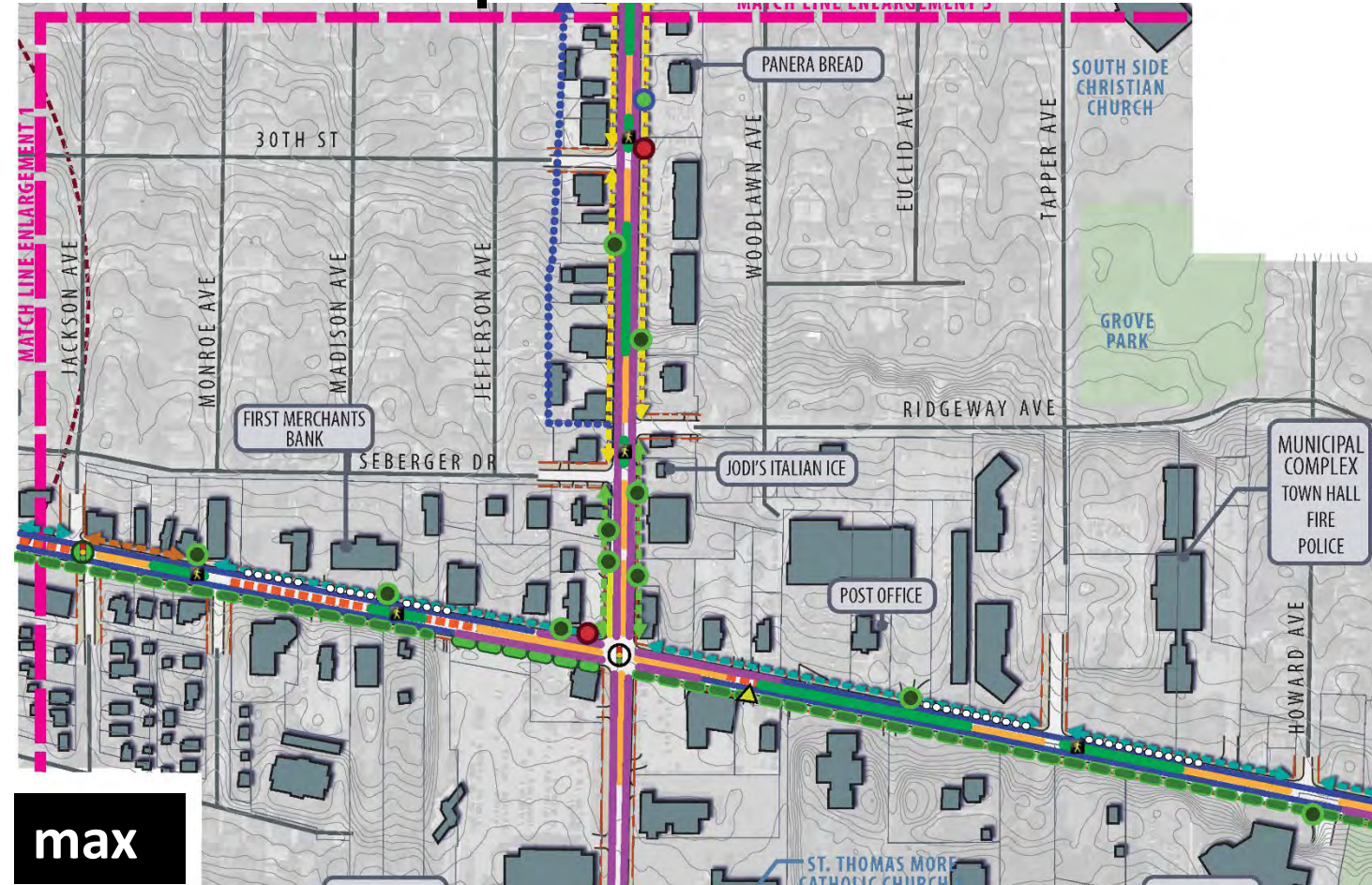
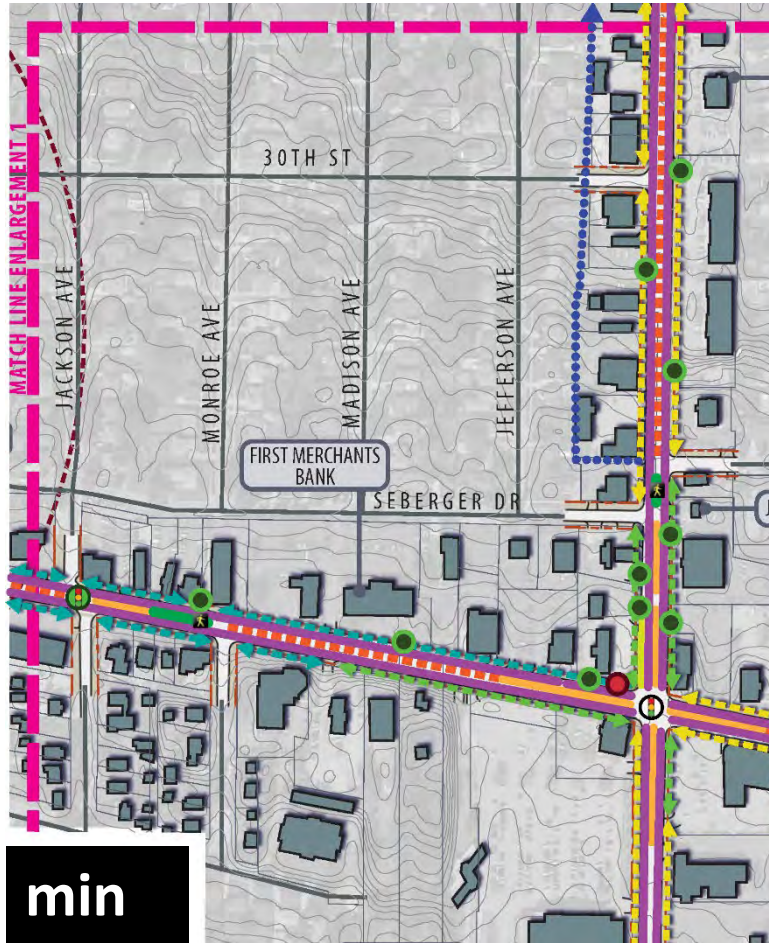
Mural (requires coordination with Hospital)

Landscaped median

Replace railing with steel-backed timber rail



CONCEPT PLAN PRESENTATION | Min vs Max - intersection



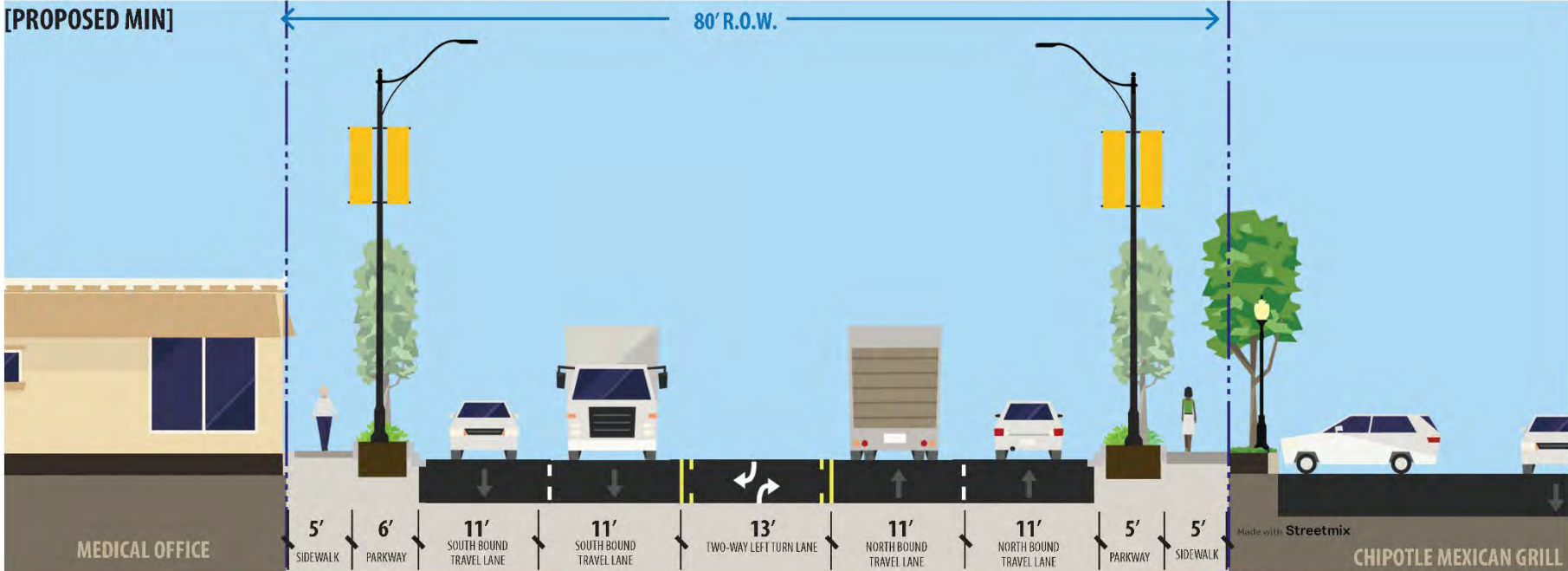
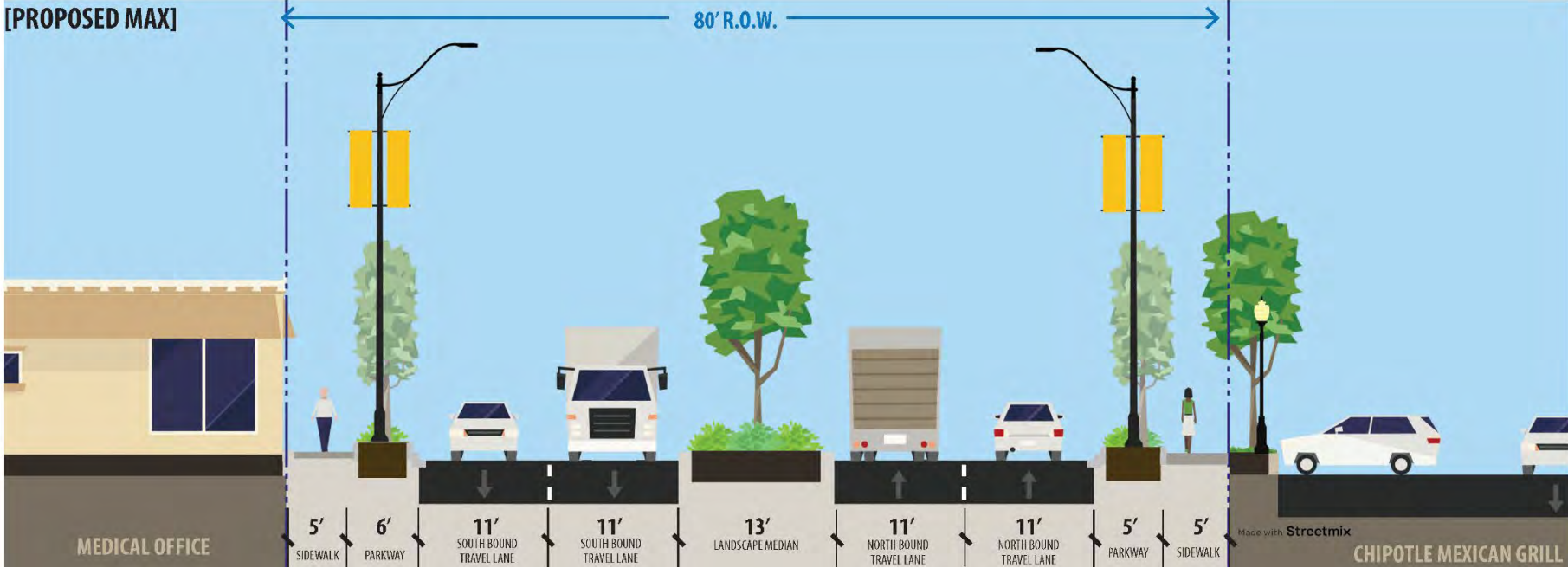
min

max

- | | | | |
|--|---|--|---|
| <ul style="list-style-type: none"> DOWNTOWN STREETSCAPE
(WIDE SIDEWALKS 11'-16" WIDTH, TREES IN GRATES/PLANTERS, DECORATIVE PAVING) 6' SIDEWALKS W/ LANDSCAPE PARKWAY 10' to 12' SIDEWALK 7'-6" to 8'-6" SIDEWALK 5'-6" to 6' SIDEWALK | <ul style="list-style-type: none"> ON-STREET PARKING MID-BLOCK CROSSING RIGHT IN/RIGHT OUT MODIFIED CURB-CUT CLOSED CURB-CUT NEW CURB-CUT | <ul style="list-style-type: none"> (2) TRAVEL LANES (1) TRAVEL LANE 2-WAY LEFT TURN LANE DEDICATED LEFT TURN LANE DEDICATED RIGHT TURN LANE LANDSCAPE MEDIAN | <ul style="list-style-type: none"> 10' MULTI-USE PATH (PED/BICYCLE) |
|--|---|--|---|

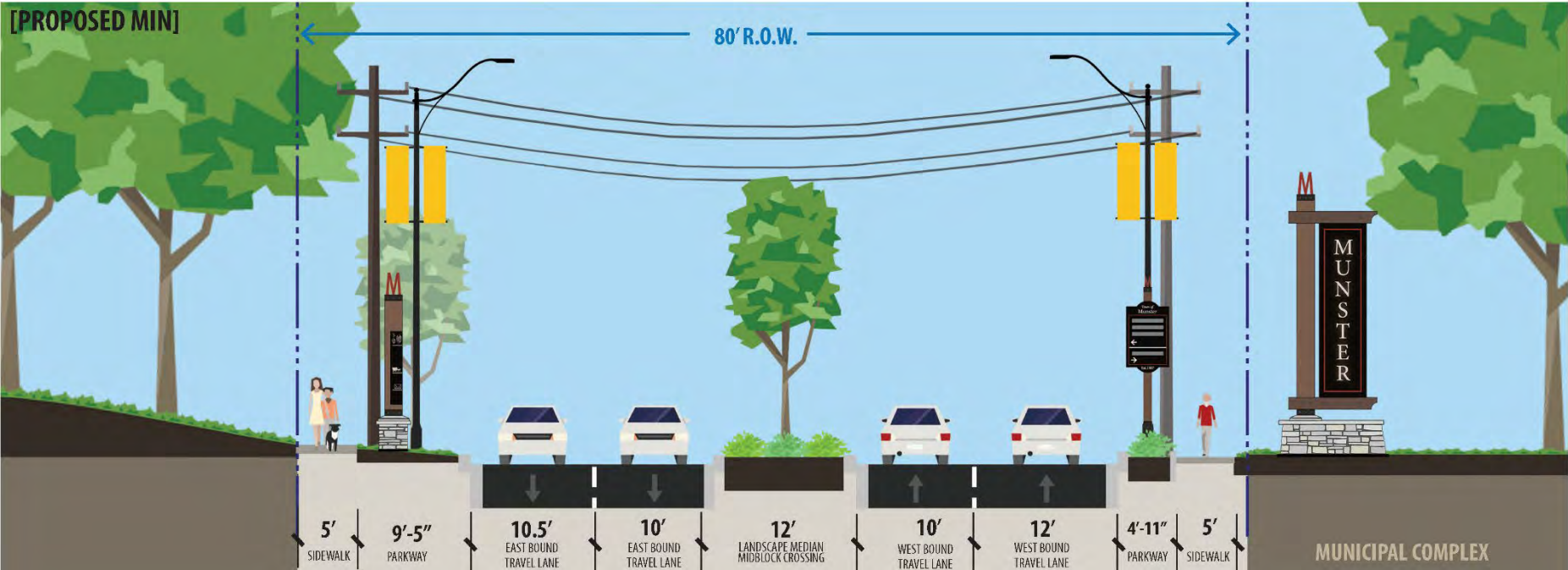
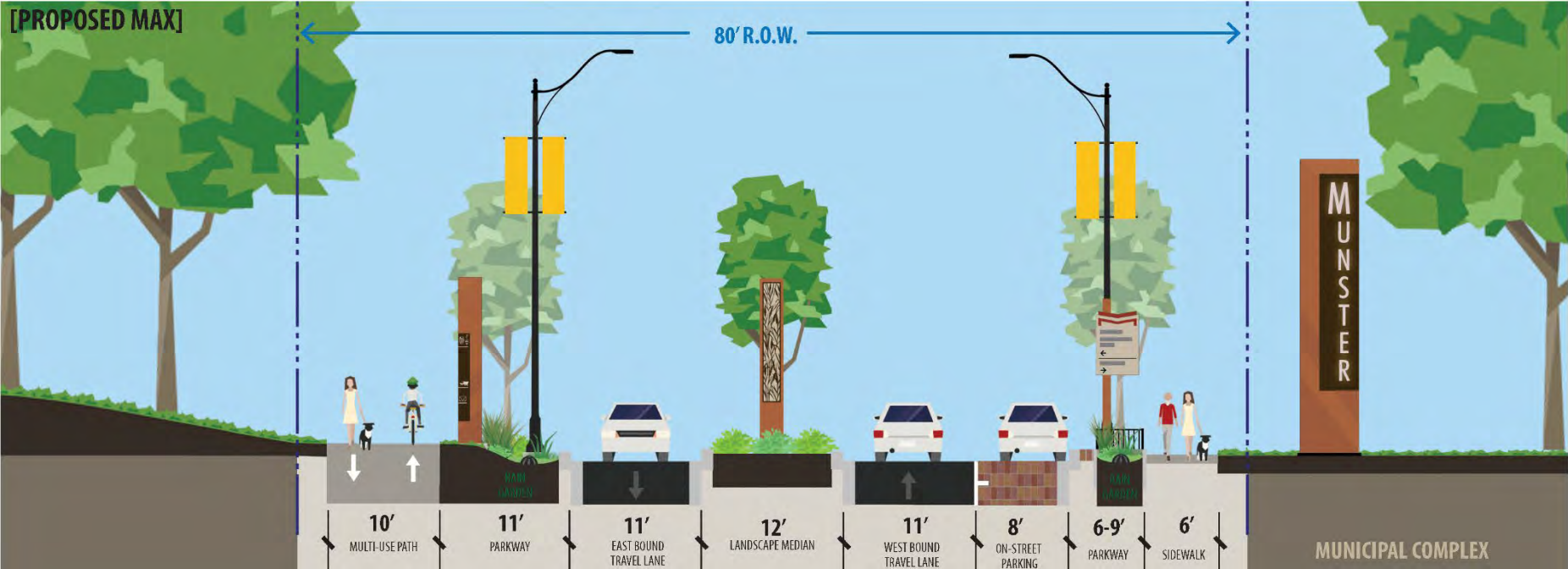
Calumet Ave Sections

South of 30th Street



Ridge Road Sections

East of Tapper Ave (Town Hall)



CONCEPT PLAN PRESENTATION | Photovisualizations

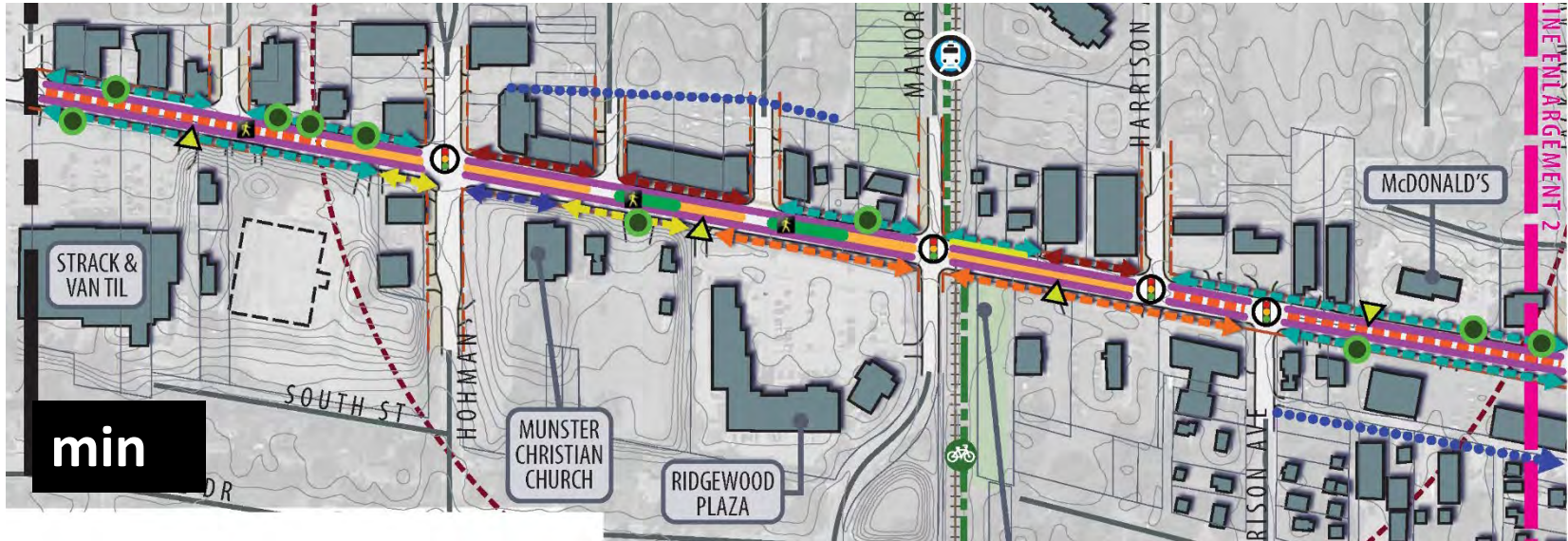
Enhanced crosswalk striping

Improved traffic signal enhancements include black poles and mast arms, enhanced pedestrian signalization and timing

Accessible curb ramps with detectable warnings

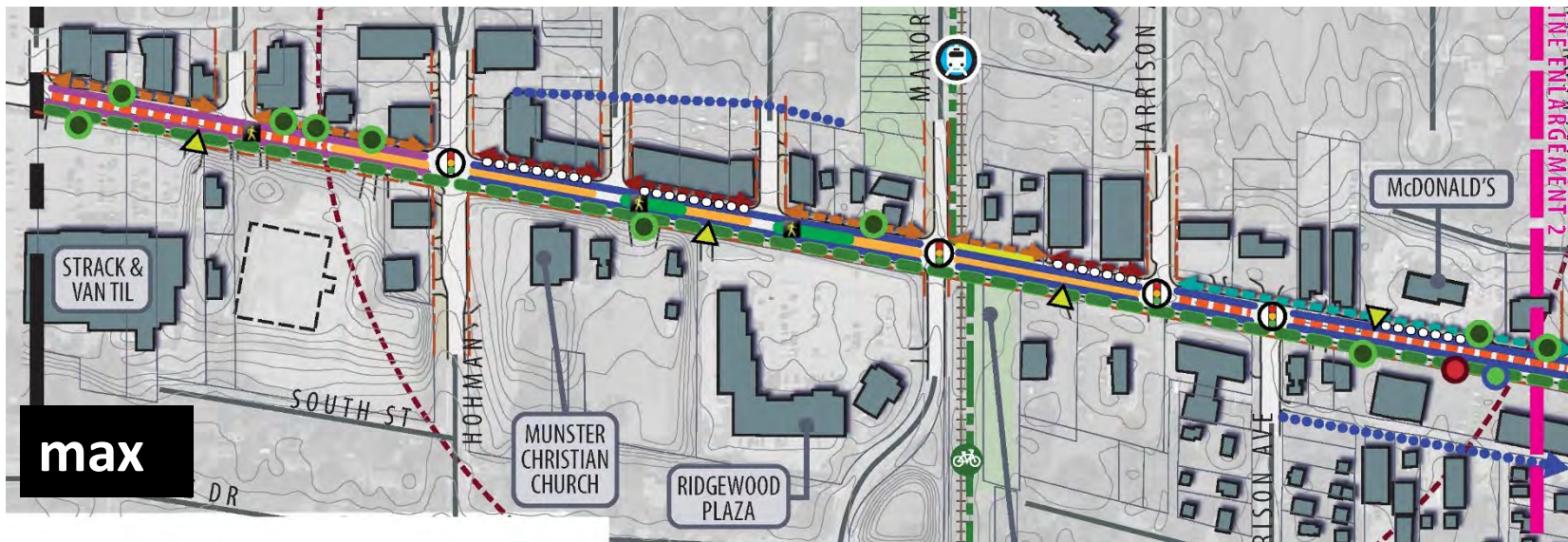


CONCEPT PLAN PRESENTATION | Min vs Max - west



ROADWAY

- (2) TRAVEL LANES
- (1) TRAVEL LANE
- 2-WAY LEFT TURN LANE
- DEDICATED LEFT TURN LANE
- DEDICATED RIGHT TURN LANE
- LANDSCAPE MEDIAN
- ON-STREET PARKING
- MID-BLOCK CROSSING
- RIGHT IN/RIGHT OUT
- MODIFIED CURB-CUT
- CLOSED CURB-CUT
- NEW CURB-CUT

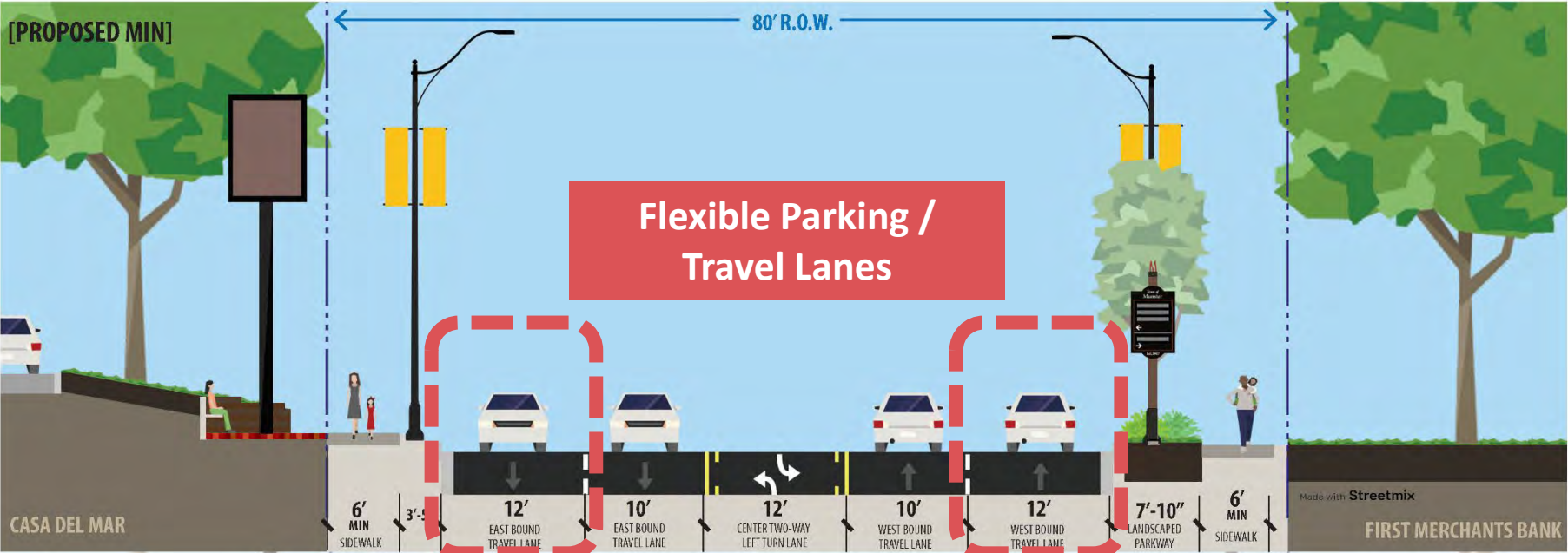
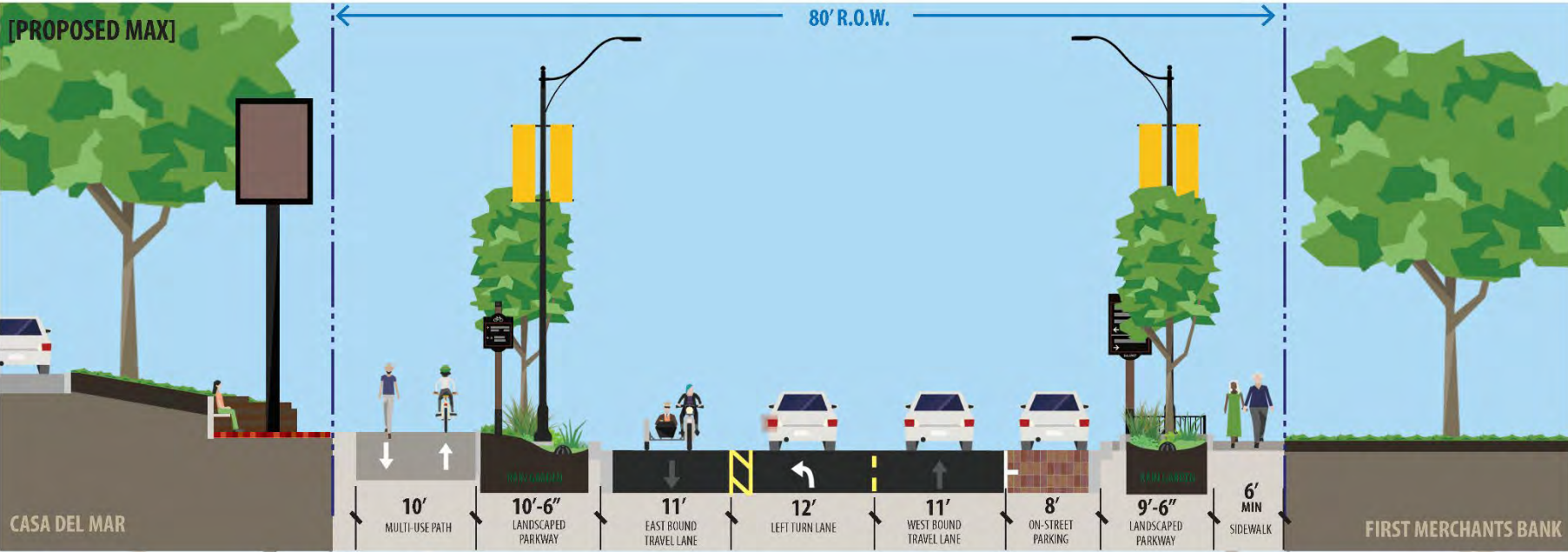


RIGHT OF WAY TO CURB

- DOWNTOWN STREETSCAPE
(WIDE SIDEWALKS 11'-16" WIDTH, TREES IN GRATES/PLANTERS, DECORATIVE PAVING)
- 6' SIDEWALKS W/ LANDSCAPE PARKWAY
- 10' to 12' SIDEWALK
- 7'-6" to 8'-6" SIDEWALK
- 5'-6" to 6' SIDEWALK
- 10' MULTI-USE PATH (PED/BICYCLE)

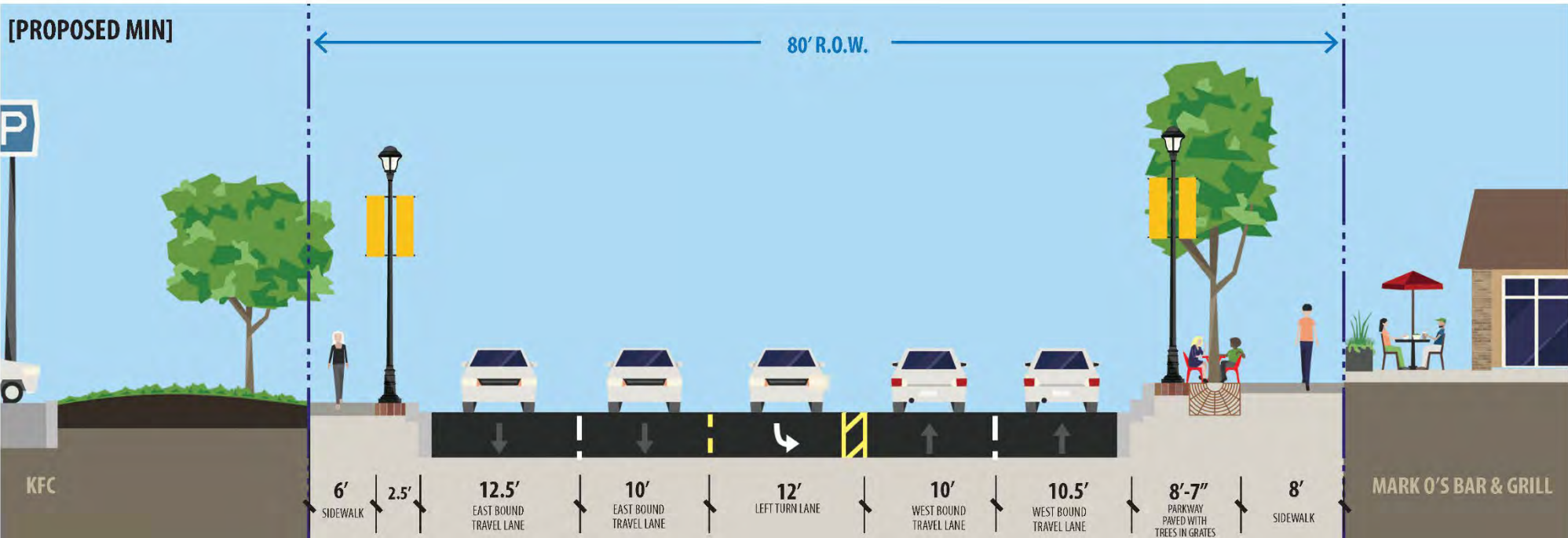
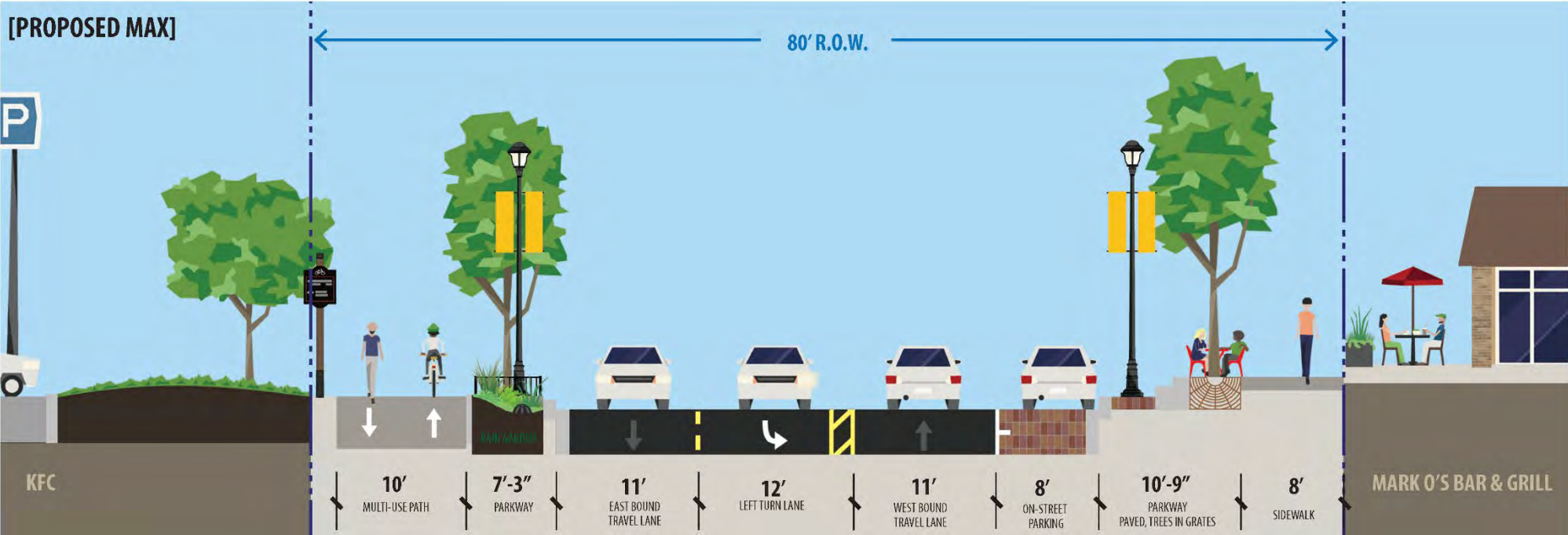
Ridge Road Sections

West of Calumet Ave



Ridge Road Sections

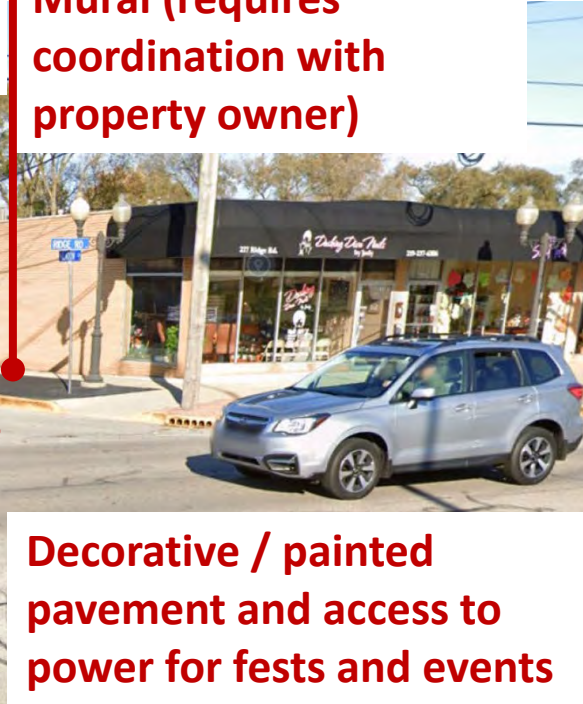
West of Harrison Ave (west)



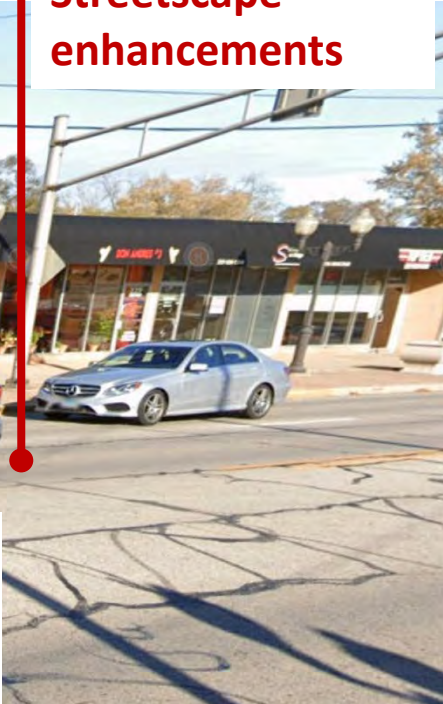
CONCEPT PLAN PRESENTATION | Photovisualizations



Formalized parking with curb bump outs



Mural (requires coordination with property owner)



Streetscape enhancements

Decorative / painted pavement and access to power for fests and events



PILOT PROJECTS | Options



NORTH CALUMET AVE GATEWAY

- Timber railings
- Gateway sign
- Evergreen tree screening



MEADOW LANE PARKING PLAZA

- Pavement / building wall murals
- Events programming
- Electrical access, movable furnishings

METRICS | Pedestrian Space

PED CROSSINGS + SIDEWALK WIDTHS

RIDGE ROAD				CALUMET AVENUE		
EXISTING	MIN	MAX		EXISTING	MIN	MAX
300'-2,300'	275'-1,200'	275'-1,200'	DISTANCE BETWEEN PEDESTRIAN CROSSINGS	860'-1,820'	390'-1,340'	390'-800'
55-70'	55-70'	35-70'	PEDESTRIAN CROSSING DISTANCE	55-75'	55-75'	55-75'
4'-0"	5-6'	6-8' along north side 10' multiuse path along south side	SIDEWALK WIDTH	4'-0"	5'-0"	5'-0"

METRICS | Green Space

IMPERVIOUS VS PERVIOUS SPACE

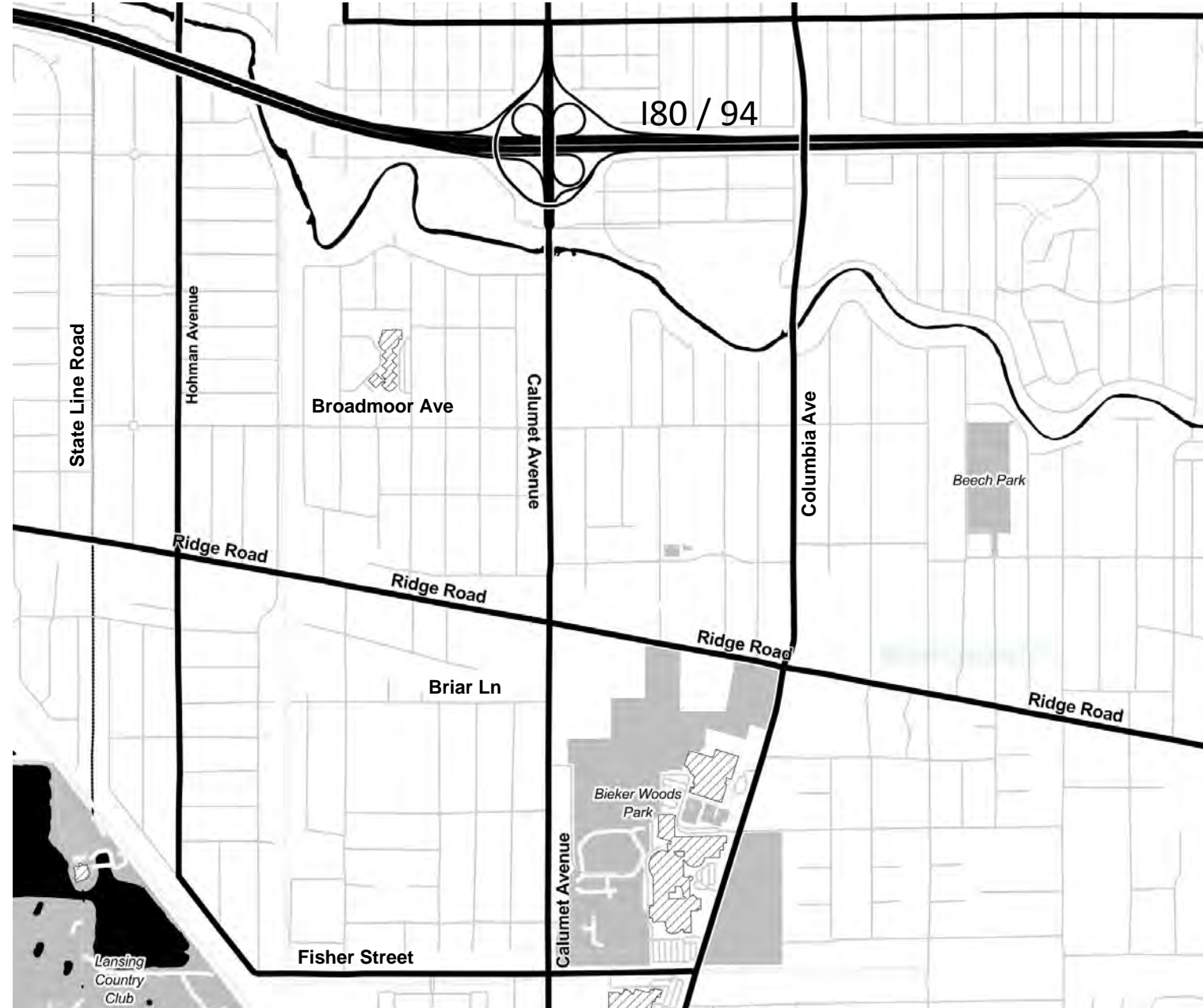
RIDGE ROAD				CALUMET AVENUE		
EXISTING	MIN	MAX		EXISTING	MIN	MAX
100%	89%	75%	IMPERVIOUS SPACE	100%	90%	86%
0%	11%	25%	PERVIOUS SPACE	0%	10%	14%

PARKWAY WIDTH + TREES

RIDGE ROAD				CALUMET AVENUE		
EXISTING	MIN	MAX		EXISTING	MIN	MAX
4'-6" to 9'-2"	3'-0" to 9'-2"	5'-0" to 17'-0"	PARKWAY WIDTH	5'-0" to 12'-0"	3'-6" to 12'-0"	3'-6" to 12'-0"
0	123	255	TREES	8	132	132

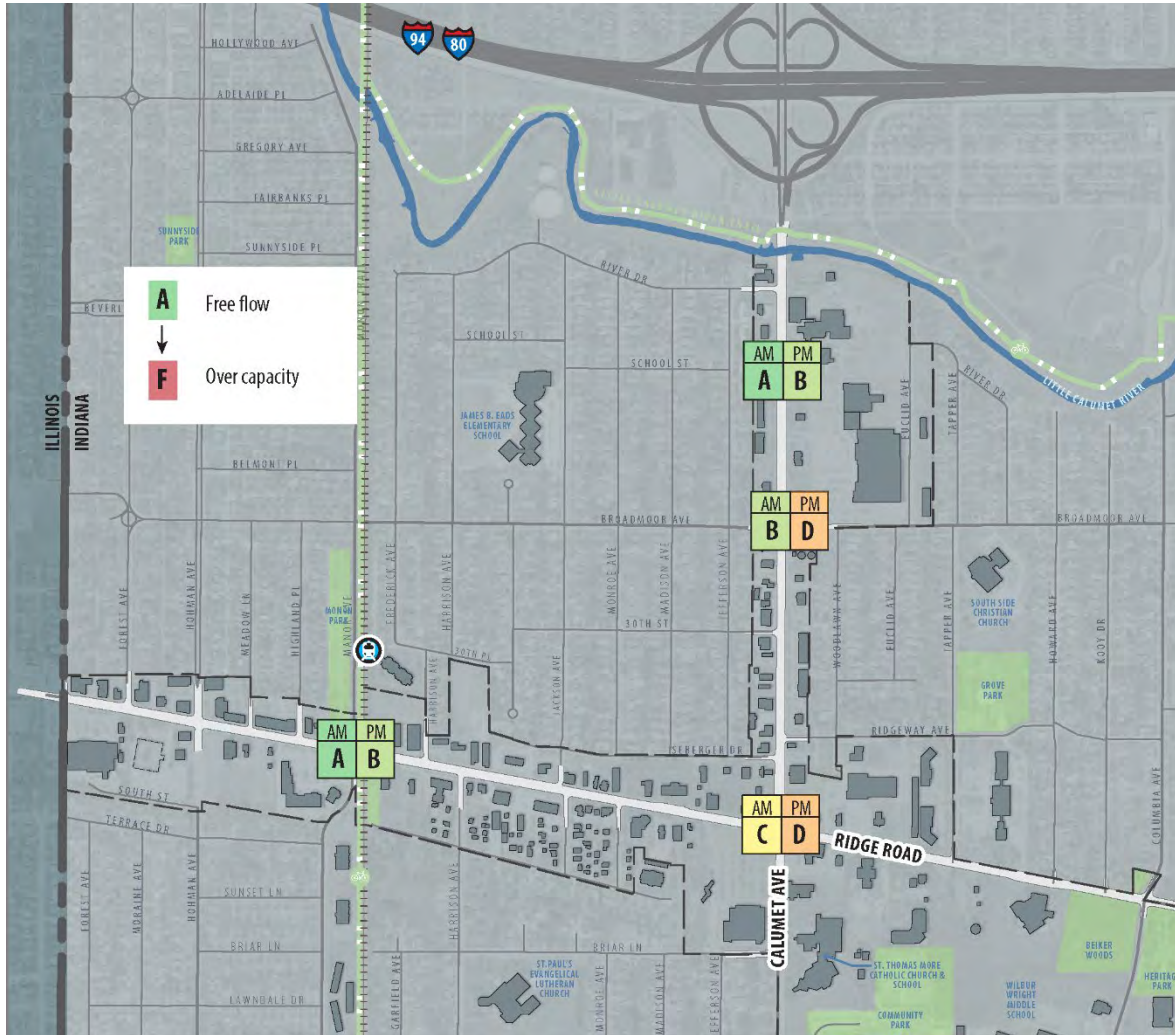
APPROACH TO FUTURE TRAFFIC ANALYSIS

- Build on 2014 conditions (Town-provided data)
- Extrapolate to 2020 based on INDOT growth trends
- Apply NIRPC projections reflecting area infrastructure improvements
- Add RDA development projections
- Further engineering study to be performed when design begins

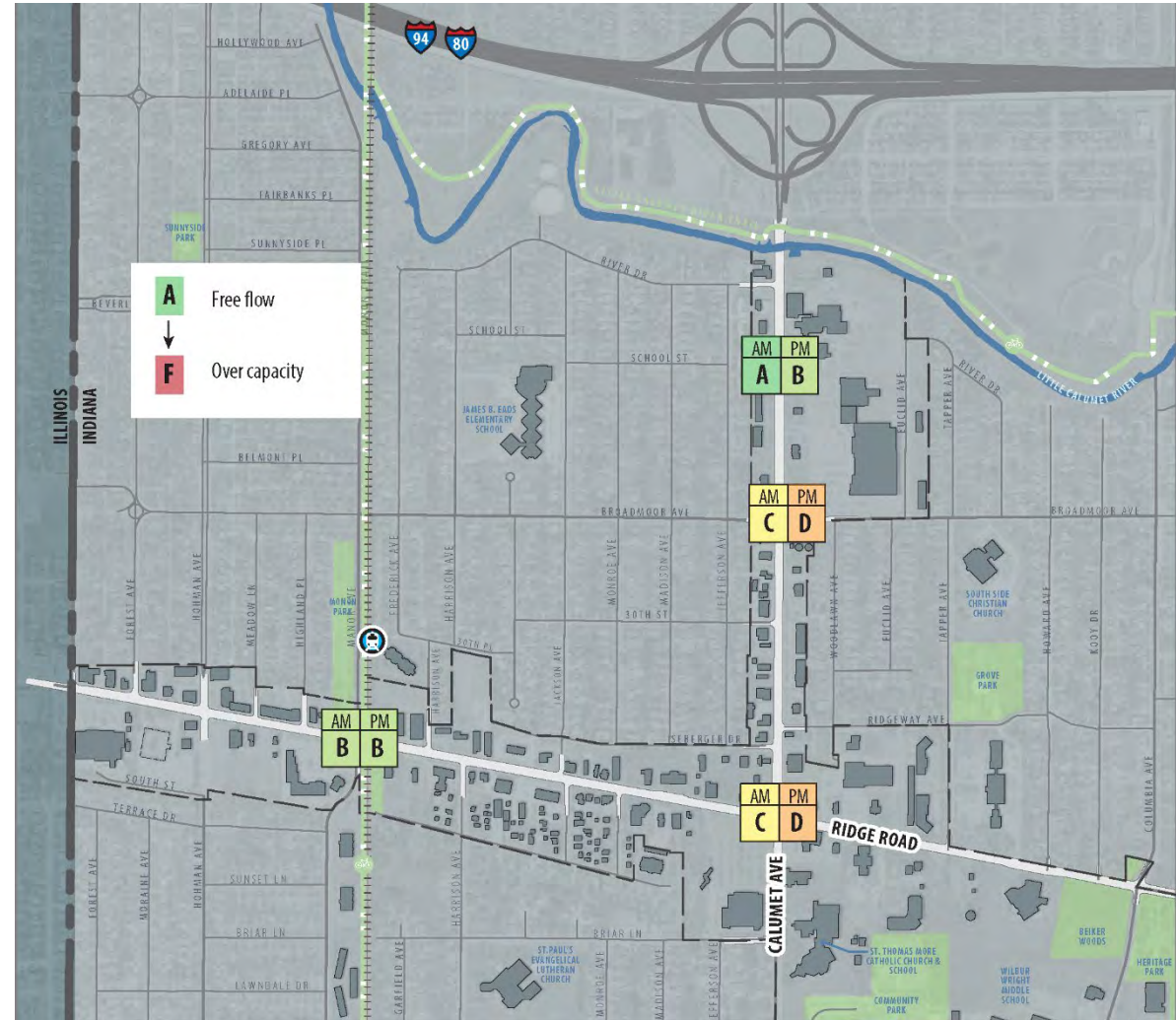


INTERSECTION LEVELS OF SERVICE

Future Min Scenario



Future Max Scenario



METRICS | TRAFFIC

VEHICLE DELAY (IN SECONDS, BY INTERSECTION)

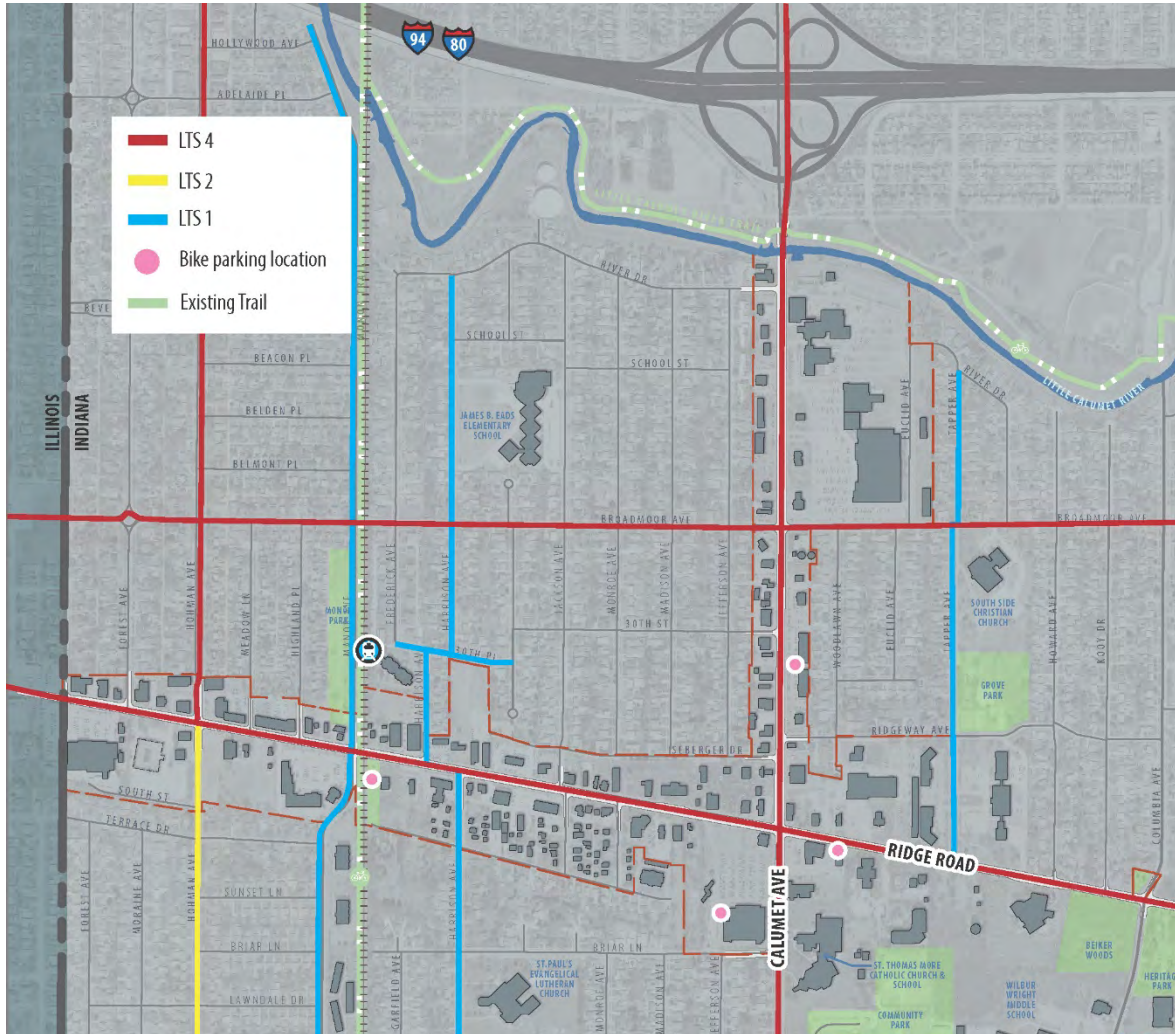
	EXISTING	MIN	MAX
Ridge/Calumet	30.9 AM	31.3 AM	32.8 AM
	41.1 PM	45.0 PM	51.6 PM
Ridge/Manor	12.8 AM	8.9 AM	11.9 AM
	18.0 PM	10.8 PM	19.9 PM
Calumet/Broadmoor	24.5 AM	16.8 AM	24.8 AM
	42.5 PM	38.8 PM	43.8 PM

VEHICLE QUEUES (IN LINEAL FEET, BY INTERSECTION)

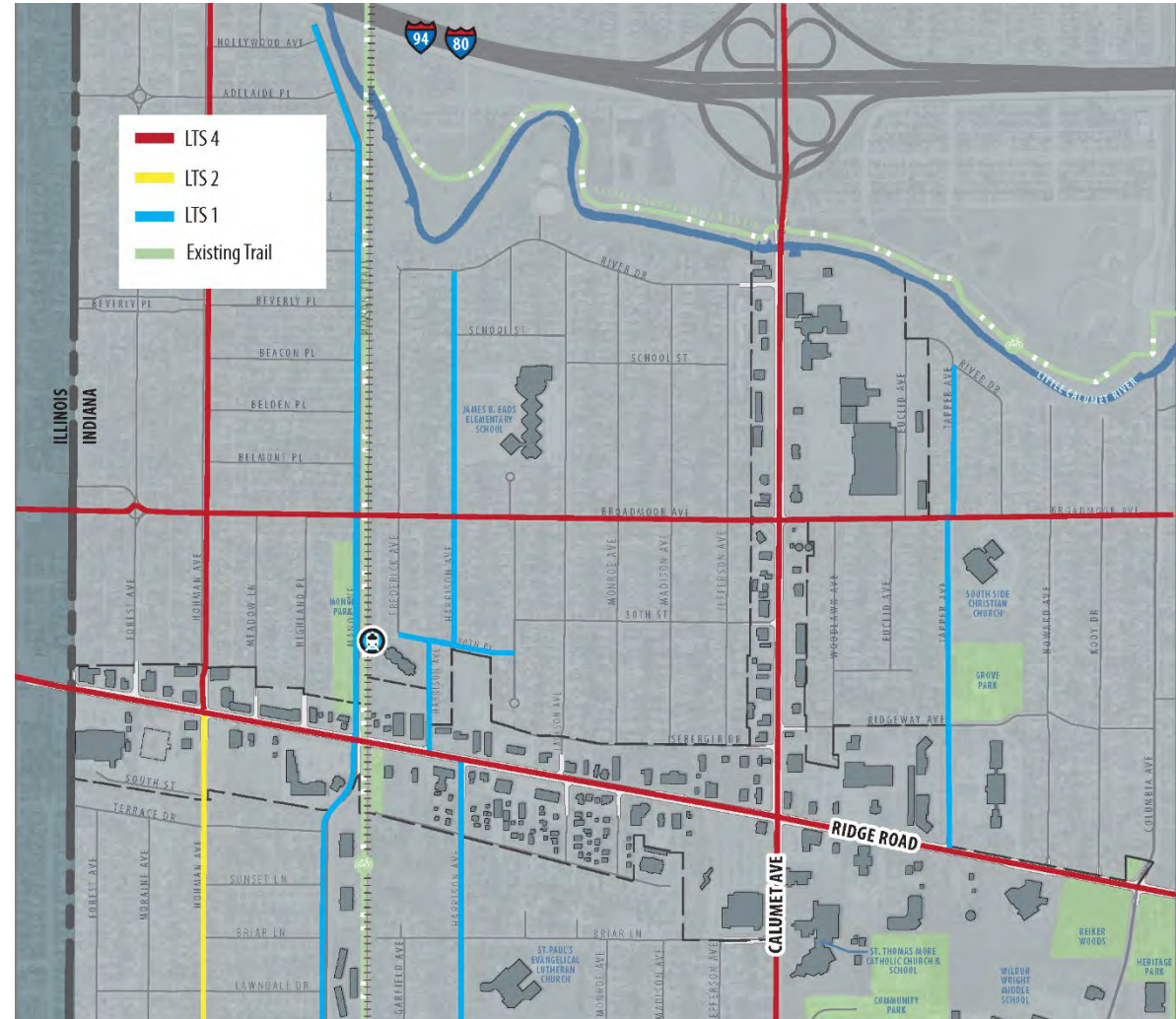
	EXISTING	MIN	MAX
Ridge Road	126-237' AM	93-229' AM	105-227' AM
	240-434' PM	83-270' PM	194-544' PM
Calumet Avenue	80-593' AM	330-706' AM	318-657' AM
	115-572' PM	453-851' PM	446-837' PM

BICYCLIST LEVEL OF TRAFFIC STRESS (LTS)

Existing

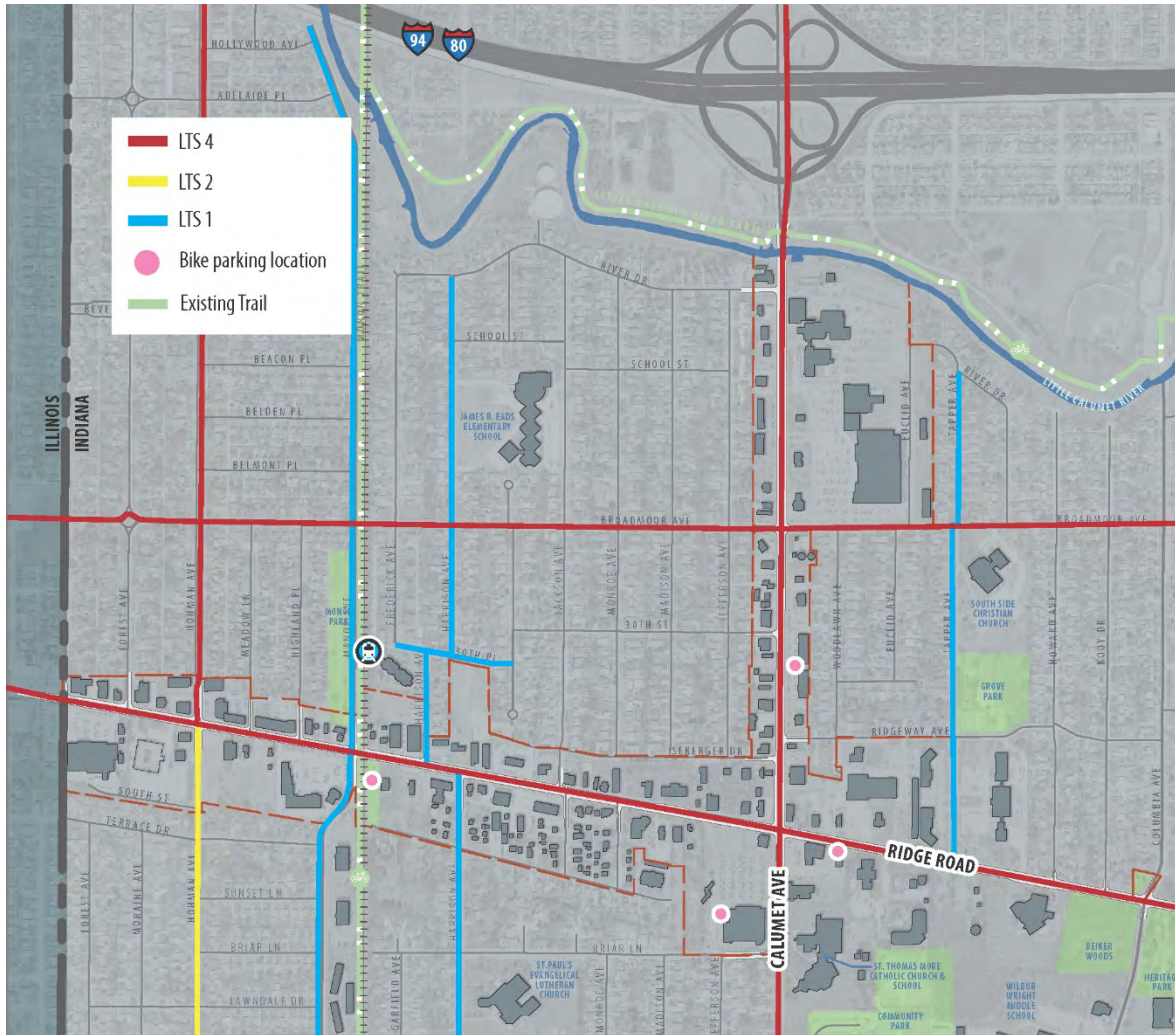


Future Min Scenario

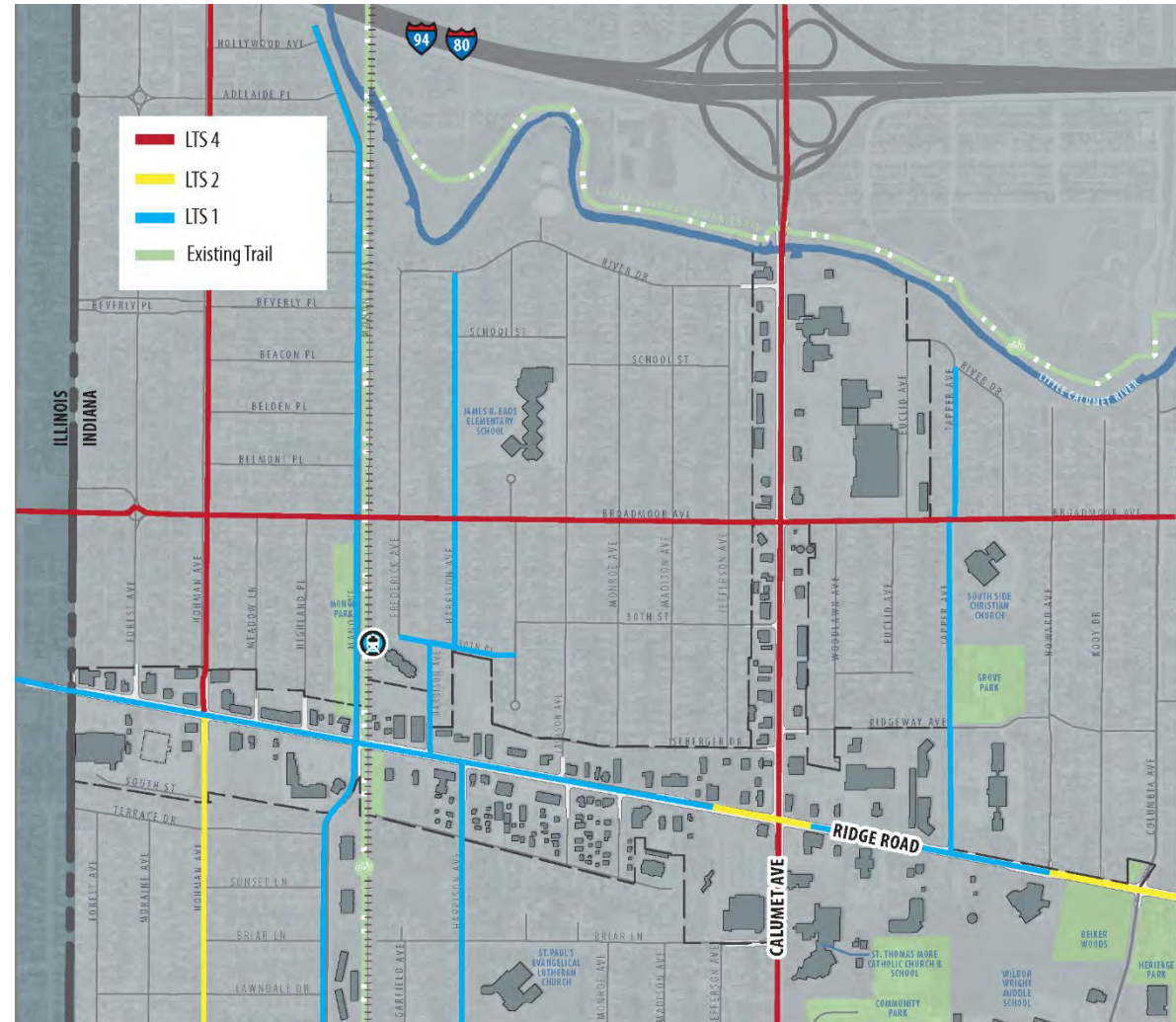


BICYCLIST LEVEL OF TRAFFIC STRESS (LTS)

Existing



Future Max Scenario



METRICS | traffic control + parking

CURB CUTS + ON STREET PARKING

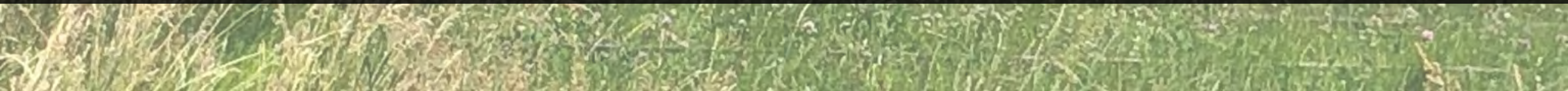
RIDGE ROAD				CALUMET AVENUE		
EXISTING	MIN	MAX		EXISTING	MIN	MAX
59 total (58 full access, 1 ltd access)	56 total (50 full access, 6 ltd access)	56 total (44 full access, 12 ltd access)	NUMBER OF CURB CUTS	56 total (56 full access, 0 ltd access)	54 total (54 full access, 0 ltd access)	55 total (36 full access, 19 ltd access)
0	0 (peak hours), 58 (off-peak hrs)	58	NUMBER OF PARKING SPACES	0	0	0
<i>* Additional on-street parking at Highland Pl, Meadow Ln and Forest Ave. Approx 10 spaces per street = 30 spaces</i>				<i>* Additional on-street parking at Seberger Dr (2) 30th St (4) = 6 spaces</i>		

THANK YOU!



Input activity: using your smartphone or other device, log on to:

[menti.com](https://www.menti.com)



OUTREACH | Stakeholder interviews

July 2020	August 2020	September 2020
Lee Ann Mellon, Committee; Town President	Dan Straka, Committee; Sweet Tooth	Steve Tripinfeldas, Asst Superintendent, School Town of Munster
Dan Buksa, Board of Zoning Appeals	Bill Baker, Chair Plan Commission; Little Cal River Basin Development	Steve Tulowitski, Council Member
Brian Specht, Plan Commission	Bruce Boyer, Local developer (Munster Shops)	
Ken Schoon, Committee; Town Council	Patrick Owens, Resident	
Don Erminger, Strack and Van Til	Ginny Dickman-Lopez, Resident, MOMs club president in Munster	
Rachel Branagan, Committee; Architect,	Joe Austin, Resident, Researcher at U of C	
Hope Martin, Committee, HWC Engineering	Joe Sinclair, Resident, Scout leader	
Chuck Gardiner, Former Parks Director; Council member and Plan Commission	Paul Nelson, Resident, What's Up Munster FB	
Eman Ibrahim, Planner, NIRPC	Paul Rotatori, Committee; South shore trails advocacy group	
Scott Milne, Milne Plumbing, property owner		
Anthony Christopher, Committee, Top Tier Nutrition		

AGENCY OUTREACH + CONSIDERATIONS

N Indiana Commuter Transportation Dist (NICTD)

- Station area plans at 30%
- Anticipated construction completion by 2025

NW Indiana Regional Planning Commission (NIRPC)

- Support complete streets approach
- Funding opportunities for streetscape: *Next Level Trails; Transportation Enhancement Funds (INDOT); Green Streets Funds*
- NIRPC could fund a Transportation Master Plan

Little Calumet River Basin Development

- Funding opportunities for streetscape: *The Tree Grant; Plantings associated with north Calumet gateway.*

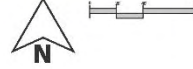
Indiana Dept of Natural Resources (DNR)

- Potential funding programs: *FEMA BRIC (Building Resilient Infrastructure and Communities); GLRI (Great Lakes Restoration Initiative); DNR Small Grants (wayfinding, green infrastructure)*

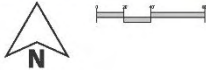
N Indiana Public Service Company (NIPSCO)

- Calumet Ave is a transmission corridor
- Ridge Rd is mostly distribution
- Opportunities to consolidate aerial crossings at Ridge Rd and to consolidate utilities as part of the station development.

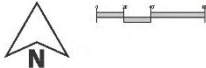
CONCEPT PLAN PRESENTATION | Enlargements



CONCEPT PLAN PRESENTATION | Enlargements



CONCEPT PLAN PRESENTATION | Enlargements



CONCEPT PLAN PRESENTATION | Enlargements



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