SAINT PAUL CITY OF SAINT PAUL Melvin W. Carter, Mayor

1500 City Hall Annex 25 W. Fourth Street Saint Paul. MN 55102-1660 Fax: 651-266-6222

#### **MEMORANDUM**

DATE: 8/13/2018

## SUBJECT: Summary of the public process and comments received on the proposal for bicycle lanes on Western Avenue.

This memorandum presents a summary of the public process and comments received on Saint Paul Public Works' proposal to install bicycle lanes on Western Avenue between Front Avenue and Como Avenue. The full text of all written statements received is attached to the end of this memorandum.

Saint Paul Public Works staff began stakeholder outreach along Western Avenue in June 2018. A website was created for the project, providing an overview of the planned improvements, data, project documents, visuals, timeline, and a project contact for questions and comments. Staff attended a City staff also presented the project to the Transportation Committee of the Planning Commission in June and July. The Transportation Committee recommended approval of the project as proposed.

#### **Western Avenue Project Meeting:**

A project meeting was held on July 23, 2018 at the Rice Recreation Center. Residents and property owners within 200 feet of the proposed project were sent notifications of the open house via mail, along with an overview of the project details and impacts. 123 flyers were sent out for the meeting. The flyers provided a map of the project, a link to the project website, contact information for project staff, and information about the project design.

#### **Updated Proposal:**

In response to community feedback, Public Works changed the recommendation for parking removal from the west side of Western Avenue between Front Avenue and Larch Street, to the east side of Western Avenue. Removing parking from the east side of the street instead of the west side presents the opportunity to maintain ten additional parking spaces, maximizing available parking capacity along the corridor. To notify residents and stakeholders of this change, an additional notice was mailed detailing the updated proposal.

#### **Written Statements Received:**

As of August 13, 2018, city staff received a total of 10 written statements specific to proposed bicycle facilities on Forest Street from the following sources:

- Comment forms from the project meeting (5 statements)
- Comments sent or forwarded to city staff via email (5 statements)



SAINT PAUL PAROCNORS

An Affirmative Action Equal Opportunity Employer

It should be noted that the total number of statements received may include multiple statements from some individuals, as well as some duplicate statements (e.g. an individual may have provided written feedback at an Open House and provided feedback via email).

#### **Major Themes:**

All statements received were reviewed by project staff. Major themes identified in the feedback are summarized below:

- The proposed bike facilities will improve safety and / or connectivity (5 comments)
- Concern that the proposed bikeway could exacerbate the impacts of existing heavy vehicle traffic (3 comments)

#### **Attachments:**

- 1. Original text or transcription of all written statements received by city staff
- 2. Copy of Project Meeting Flyer
- 3. Copy of City Council Public Hearing Notice

## Sign-In Sheet Western Avenue Bikeway Project Meeting

7/23/2018

Rice Rec Center 1021 Marion St Saint Paul, MN 55117

Name	Address	Email or Phone
Darlene Heiskan		darlene. heis Kany &
Rebecca Laedine	907 western AJ. N.	reloed@mail.com
ANDREW SINGER	Z103 BERKELET AVI	andy a andy smar con
Cara Anthony	2103 Berkeley	clarthonia yahoo.
rdam Bak	299 western Ave N.	iama fink@gmailocom
Mai Chong X	una Ward I office	ward 1 (a) ci stpans.
Exclee 5	7974 Western Arke	encled auxen. com
Cindy Winday	947 Western Aven	endy bayet pychoc.com
Anna File	899 Western AV N	dsona 3 Cymrylicen
Tan R Buch	SH Themas AVEW	ign + bucklongmaile
		00
	*	
-		
		.1 *

## Sign-In Sheet Western Avenue Bikeway Project Meeting

Name	Address	Email or Phone
Daniel Sarsiti	Address 127 Front Puc St 820 Western Ave	Paul My 55100
QUAN MOREND	820 Western AVE	1,10
Mina Winday	947 Western Ave	2651214 1842
	A1	
	*	
		i i
	Y Y	
	11	
2	h. e	
		A
	V	
		.*
K		

The City of Saint Paul is proposing to install bicycle lanes on Western Avenue between Front and Como avenues in 2018.
••••••
Please provide written feedback on the proposed plans for Western Avenue by doing one of the following:
Write comments below, or
<ul> <li>Send an email to project staff         City of Saint Paul: Luke.Hanson@ci.stpaul.mn.us</li> </ul>
Name, address (optional): (ARA ANTHONY, Z103 Berkeley & Paul 55108
Western is an important addition for bike connectivity. I support. The plan presented tonight (7/23/18)

The City of Saint Paul is proposing to install bicycle lanes on Western Avenue between Front and Como avenues in 2018.

Please provide written feedback on the proposed plans for Western Avenue by doing one of the following:

- · Write comments below, or
- Send an email to project staff
   City of Saint Paul: Luke.Hanson@ci.stpaul.mn.us

Name, address (optional):
Comments: Please consider speed limit detector
folks to Slow down.
I hope bikers are ticketed for using 3 DEWALUS instead of bile Lanes
Semis Schould not travel on Western
Public needs training on how to use bile hanes. Can cars move over to
long as there are no bitters in sight
I'm all for this chang, but concerned about safety. Thank wow for the
good luck in active wing the objective.

The City of Saint Paul is proposing to install bicycle lanes on Western Avenue between Front and Como avenues in 2018.

Please provide written feedback on the proposed plans for Western Avenue by doing one of the following:

- · Write comments below, or
- Send an email to project staff
   City of Saint Paul: Luke.Hanson@ci.stpaul.mn.us

#### Name, address (optional):

ANDREW SINGER, ZIOS BERKELEY AVE.
Comments:  I FUCLY ENDORSE PUTTING BIKE LANES
ON THIS SECTION OF WESTERN . I USE WESTERN
TO VISIT FRIENDS AND ATTEND MEETINGS AND
OTHER PUENTS IN THE MORTH END BELAUSE
IT'S ONE OF THE FEW NORTH/SOUTH STREETS
TRAT CROSSES ALL THE VARIOUS BARRIERS
INCLUDING THE PAILWAY LINES AND I-94,
PLUS IT ALREADY HAS BIKE LANES SOUTH OF
como ALI THE WAY TO MARSHAY AVENUE.
I WOULD BE WILLING TO LOSE THE
BUHFRS BEPERER BETWEEN LARCH AND
ATWATER IF IT WOULD PLACATE OPPONENT
BUSINESS OWNERS WHO NEED SOME ON-STREET
PARKING AS A LOADING ZONE!
I ALSO DON'T CARE WHICH SIDE OF
THE STREET LOSES PARKING. I JUST WANT
TO SEE BIKE CANES STRIPED!

The City of Saint Paul is proposing to install bicycle lanes on Western Avenue between	Front
and Como avenues in 2018.	

Please provide written feedback on the proposed plans for Western Avenue by doing one of the following:

- · Write comments below, or
- Send an email to project staff
   City of Saint Paul: Luke.Hanson@ci.stpaul.mn.us

Name, address (optional):

Comments:
I am disabled and cannot walk a block from my carto my house. Taking
music the parking from in front of my house will make life very difficults
we do have a garage behind our house on the dirt easement, However,
due to years of garbage tracks driving they have created guages in the
dirt making it impossible to drive new, The garbage trucks can't even
go down it. We can no larger physically on financially maintain it and
our reighbors have never helped with it. I have submitted an
application for an ADA Zone in front or my house. We are
all for a bike lane I just can't lose my parking. Please feel free to contact me Cindy Window 612-865-1586,
free to contact me Cindy Window 612-865-1586,
endybauere yahoo. com

and Como avenues in 2018.
••••••
Please provide written feedback on the proposed plans for Western Avenue by doing one of the following:
Write comments below, or
<ul> <li>Send an email to project staff         City of Saint Paul: Luke.Hanson@ci.stpaul.mn.us</li> </ul>
Name, address (optional): Ian R Buck SIH Thamas Ave W
Comments:
This pike rollite will be very usetal
to me once Frant Ave also receives
bike intrastructure improvements. Currently
I do not come north of come much
because there are not enough bike ways,

From: Kerry Antrim <ed@nenostpaul.org>
Sent: Monday, August 13, 2018 1:19 PM

**To:** Hanson, Luke (CI-StPaul)

**Cc:** #CI-StPaul\_Ward1; Collins, Reuben (CI-StPaul)

**Subject:** Western Avenue Bike Lanes

Attachments: NENO\_Western\_letter Agust 2018.pdf

Follow Up Flag: Follow up Flag Status: Flagged

Hello:

Attached please find the North End Neighborhood's recommendation regarding bike lanes on Western Avenue and the parking restriction. Thank-you for your consideration of our position and if you have questions please let us know.

**Kerry Antrim** 

Email is changing to <a href="mailto:ed@nenostpaul.org">ed@nenostpaul.org</a> please update your contacts Kerry Antrim Executive Director



171 Front Avenue Saint Paul 651-488-4485-office 651-402-8143-cell



171 Front Avenue Saint Paul, MN 55117 651-488-4485 ed@nenostpaul.org

August 13, 2018

Luke Hanson Department of Public Works City of Saint Paul 25 W. 4th St Saint Paul, MN 55102

On August 6th, 2018, the Board of Directors of the North End Neighborhood Organization (NENO) held a public meeting considering the City of Saint Paul's recommendation for bike lanes on Western Ave between Como and Front, as well as the proposed parking removal. NENO's Transportation Committee previously held a public meeting with you to hear an initial presentation, and collected feedback at that time. In addition, the Transportation Committee conducted a survey late last year to get a broader sense of the community's priorities around Western Ave.

Feedback was mixed on both proposals, with community members on both sides expressing strong support and strong opposition. However, after considering the goals of the North End Large Area Plan and other adopted plans, the Board of Directors passed the following resolution:

NENO recommends that the City of Saint Paul proceed with planned bike lanes on Western Avenue between Como and Front. We appreciate that the City responded to resident feedback during the design process, and recommend that they continue to work with neighbors both during and after the project.

Please contact me with any questions or concerns.

Sincerely,

Rich Holst

**Richard Holst** 

Chair: North End Neighborhood Organization

cc: Ward 1, City of Saint Paul

Reuben Collins, City of Saint Paul Department of Public Works

From: Heiskary, Darlene (DEED) <darlene.heiskary@state.mn.us>

**Sent:** Thursday, July 26, 2018 1:37 PM

**To:** Hanson, Luke (CI-StPaul)

**Subject:** Western Avenue Bike Lane Project - feedback

**Attachments:** Western Avenue - lanes.pdf

Follow Up Flag: Follow up Flag Status: Flagged

Hello Luke,

Thank you for the informative presentation on Monday evening and answering our questions. I offer my comments and suggestions below. Hope you don't mind my analysis... © Thank you!

1)

Please consider making the West side bike lane (cushion) as wide as possible. The current level of traffic noise and vibration is quite bad especially South of Front Street.

Could East side parking lane be reduced to 7.5 feet, 7 feet or 6.5 feet in your plan? Could East side bike lane be reduced to 6.5 feet, 6 feet, or 5.5 feet in your plan?

Combinations of these would allow a "cushion" of up to 2 feet to be added to the bike lane on the West side.

Pushing the traffic out <u>any</u> distance is appreciated, because it is not just one lane of traffic traveling closer to our homes but both lanes.

PRESENTLY assuming cars travel in the center of lane, existing South bound cars are 11.5' from West curb edge PRESENTLY assuming cars travel in center of the lane, existing North bound cars travel 26.5' from West curb edge

(elementary diagram attached)

In the project plan, the South bound car would travel at 9.5' from West curb edge In the project plan, the North bound car would travel at 20.5' from West curb edge (attached)

It is the **North bound lane that is getting moved over a significant amount, about 6 feet further West** than current traffic flow. This will significantly increase noise and vibration for our homes on the West side, especially when speeds are well over 30 MPH.

(... also buses and trucks are over 8 feet wide and even closer)

- 2)
  Bump outs on any section of Western would be appreciated to help slow the traffic.
- 3)

  Post speed limit signs. Please support in any way our request to post 30 MPH speed limit signs for Western at Maryland and Como and even at Front. The public is not educated that Western is a 30 MPH street.

I waved a police officer over last summer and asked him the speed limit for our section of Western. He said "35 MPH" I asked why it was not a 30 MPH street like Dale or parts of nearby Como and Rice? He replied "We need

some street to be a thoroughfare, and that is Western." Even the police do not know that it is 30 MPH and he considered it to be a thoroughfare?

We are seeing an ever increasing numbers of heavy trucks, delivery vehicles and even semi-trailers using Western compared to previous years. I thought about this after the meeting on Monday. It is possible that truck and route drivers are using traffic apps, much like Uber drivers, that are showing them the fastest current route, flow of traffic. Without speed limit signs, drivers are treating Western like the fastest thoroughfare in the area to choose - and more and more traffic we get. They may not choose Western as quickly if they are required by signage to putt putt along at 30 MPH - at least the noise and vibration would not be as bad for us even if they do.

My neighbors and I will communicate with Elizabeth Stiffler in Public Works about requesting speed limit signs and interactive speed limit signs.

#### 4)

#### Reroute City of St Paul maintenance trucks.

I will communicate with Council member Dai Thao's office about requesting that City of St Paul Sewer and Maintenance and Asphalt trucks be routed west down Burgess and Topping to Como - and not onto our very residential Western Avenue. Much of the area surrounding Burgess and Topping west from the Maintenance yards is zoned Industrial - very little housing.

#### 5) Lastly,

I am curious about what will happen at the City Council meeting on August 15. I assume that you will present the plan that will also be posted on the website in advance. The public will be allowed to comment. Will the council vote during that meeting? Are there amendments to the plan possible during the meeting, or just a "yes" or "no" vote in the meeting?

#### Darlene Heiskary | M.A. Public Affairs-Labor Policy | GCDF

Department of Employment and Economic Development
Minneapolis Workforce Center, 777 East Lake Street, Minneapolis MN 55407
Direct: 612-821-4034
Web | Twitter | Facebook



From: Adam Fink <iamafink@gmail.com>
Sent: Wednesday, July 25, 2018 8:12 PM

**To:** Hanson, Luke (CI-StPaul)

**Subject:** Western Bikeway Meeting Feedback

Follow Up Flag: Follow up Flag Status: Flagged

Hello Luke,

I want to thank you for taking the time to share the bikeway proposal at the Rice Rec Center on Monday. It was very informative and laid out a better understanding of the overall picture St. Paul's bike plan.

I am very supportive of making St. Paul more bicycle friendly, but I would like to re-iterate a few concerns that I have regarding implementing the Western Ave bikeway. Drivers on Western Ave often drive upwards of 40mph. I know this might seem like an okay speed paired with bicycles, but the drivers often travel erratically as well. We have witnessed people passing via pulling into oncoming traffic, racing, and multiple other things that would put bikers lives in danger. I know resources are thin, but I really feel like speed tests need to be done before bike lanes are added here.

I feel that bringing the bike and vehicle traffic closer to our house will make things more dangerous for children in our neighborhood and anyone else using the sidewalks. Increasing the number of bicycles on Western could increase the risk of danger with vehicles driving as they do.

On a lesser note the loss of parking, specifically during the winter months would be very difficult for many in our neighborhood. The parking survey listed a very low number of people parking on Western. We actually switched to parking on Western during the winter months but changed after a few weeks because we were worried about getting creamed by other drivers.

This is why I contacted our city council member asking for bump-outs. I know this is out of your purview, but I fear that installing bike lanes now will wipe out any chance of adding bump-outs in the future. The Western Ave survey last fall showed 58% of respondents were pro-bump-outs with another 11% asking for them in a more limited deployment.

I know you aren't responsible for the traffic flow issues we experience on a daily bases, but I feel like they are important things to consider regarding the implementation in our neighborhood.

I would recommend looking at Makubin as a possible alternative for the bikeway. I feel that it offers many advantages that Western doesn't. Makubin has far less traffic, its a flat ride without any hills and has far fewer residents. Its comprised mainly of businesses, parks, a church, and two schools. Like Western, it too extends all the way to Maryland if the bikeway ever develops that far, and once again is very flat and level the whole length, From my recollection, the majority of the western side of Makubin is resident free, therefore removing parking would have less of an effect. I know it would force bikers to adjust from the straight shot of Western Ave, but it has much to offer in my opinion.

I am sorry this is so long, and I hope this input is valuable. Once again, thank you for the work you do. Your work makes our city a better place.

If you would like I can send photos of Makubin.

Adam

From: Heiskary, Darlene (DEED) <darlene.heiskary@state.mn.us>

Sent: Wednesday, July 18, 2018 5:43 PM

**To:** Hanson, Luke (CI-StPaul)

**Subject:** Re: Western Avenue Bikeway Project Proposal

#### Hi Luke

I will attend the meeting on Monday. I did fill out a survey and I did support bike lanes, but I am very sure I did not pick a model that would have removed the parking lane from the street in front of my house. Will look forward to seeing that original survey.

Is there room for discussions and alternative plans?

I was just on Minnehaha immediately west of Ashbury. Measured. There is a parking lane on both sides and a bike lane on both sides. Blacktop park lane is 6.5 blacktop & bike lane is 5.5 & car lane is 10. Total blacktop used is 44 feet. Could a similar model be used on Western? Like I said, I have seen blacktop bike lanes as skinny as 2 feet on Prior, right next to traffic.

Your plan of 7 feet (5 feet blacktop) bike lane on west side of Western puts us too close to the traffic - and type, speed, and vibration of traffic - that flows thru there. Especially the end south of Front for reasons provided earlier.

Can we ask the buses to reroute, they already do not travel on Western north of Front. Can we ask the City of St Paul maintenance trucks to exit on the other end of Burgess at Como and not travel on Western? That would be helpful - also that end of Burgess is mostly industrial not passing by homes like Western.

Then there are the loud groups of Harley riders, the speeding noisy smaller motorcycles and even cars racing and passing each other on a crowded street. It is all there.

You cannot believe the noise and vibration that already exists. It does not seem appropriate to suggest moving both lanes of traffic even closer to our living rooms and bedrooms that face Western. I realize this is very much a working class area, but maybe now is a good time to address what is happening on Western Avenue. Who knows maybe someday it will be "gentrified".

I appreciate any answers you can provide, and I look forward to discussions on Monday.

Thank You!

From: Heiskary, Darlene (DEED) <darlene.heiskary@state.mn.us>

**Sent:** Wednesday, July 18, 2018 11:38 AM

**To:** Hanson, Luke (CI-StPaul)

**Subject:** RE: Western Avenue Bikeway Project Proposal

**Attachments:** IMG\_8157.JPG; IMG\_8159.JPG

#### Hi Luke,

The website is still not working, I would really like to review the documents prior to the meeting on Monday.

I have many questions and observations at this point...if you could provide some answers it would be greatly appreciated.

The mailing is misleading. It represents Western in a diagram and states typical width is 44'. Western Avenue where I reside is 40' wide.

The section of Western south of Como that you said is an example of a 7' lane, is not a 7' lane as shown in the proposed diagram. That part of Western has a 5' blacktop lane on the west side and a 6' blacktop bike lane on the east side along with a 7' parking lane.

#### What is the proposed width of the bike lane on the west side of Western north of Como?

My neighbors and I shudder to think that on the west side that only a 5' bike lane would separate us from the <u>noise and vibration</u> of the traffic on Western, this plan is moving it all (both lanes shift west) too close to the front of our homes! This is very much a residential neighborhood and we already deal with significant noise and ground shaking from traffic.

#### Note:

This part of Western that is south of Front Street is a bus route with MANY buses, some double, all loud.

It is an emergency route with many ambulance incidents, also loud.

Many City of St Paul maintenance trucks pull on to Western from the maintenance facilities on Burgess. They are heavy and loud.

The traffic going down this street is often speeding, especially as they go downhill from Como or Front. They are not traveling at 35 mph, much faster.

#### Is there a plan to post Western as a 30 mph street? How can this be proposed and accomplished?

I have traveled in the area and find a variety of bike lanes some are 2' wide like on Prior, traffic is moving very close to curb, however there are no homes in that area.

Pictures attached... first one is a 7.5' lane on Como, the next is a 5' lane on Front. Which is more representative of the plan for west side of Western?

Neighbors also upset that they are losing on street parking.

Is the Western bike path just a proposal? Will it definitely be implemented?

Can you please let me know when website is working? Thanks!!

From: Heiskary, Darlene (DEED) <darlene.heiskary@state.mn.us>

**Sent:** Monday, July 16, 2018 8:44 PM **To:** Hanson, Luke (CI-StPaul)

**Subject:** Western Avenue Bikeway Project Proposal

#### Hello Luke,

I received the flyer announcing the proposal this weekend. At the bottom it reads "to view the materials that will be presented please visit the project website." I did go to the website but I did not see any presentation materials. Have they been posted yet?

Could you also give me an example of a currently existing bike lane that is 7 feet wide next to the curb as is pictured in the Western Avenue flyer. I have drove down Prior, Front and Minnehaha and cannot seem to find a 7 foot wide path that would be representative of the Western Avenue proposal.

Thank you for any further information.

Darlene



# Western Avenue Bikeway **Project Meetings**

**PROJECT CONTACT:** Luke Hanson **Department of Public Works** 651-266-6146 | Luke.Hanson@ci.stpaul.mn.us

## What is Proposed?

Saint Paul Public Works is planning to resurface Western Ave between Como Ave and Front St in 2018. The Saint Paul Bicycle Plan recommends bike lanes on Western Ave where the street is being resurfaced. Installing bicycle lanes on Western Ave between Como Ave and Front Street is proposed.

## **Changes to Parking**

To install bike lanes, parking would need to be removed on one side of the street. Parking removal is being proposed for the west side of Western Ave between Como and Front avenues. To accomodate a lane shift, parking removal is also proposed for the east side of Western Ave between Larch and Atwater streets.



## JULY 23 — WESTERN AVENUE BIKEWAY OPEN HOUSE

When: July 23, 2018 | 6 - 7:30 PM (Presentation: 6:15 PM)

Where: Rice Recreation Center, 1021 Marion St

## At the Meeting:

The City of Saint Paul is hosting a project meeting to share information and take input on the proposal for bike lanes on Western Ave between Como and Front avenues.

- Layouts will be shared
- A presentation will begin at 6:15 PM
- Staff will be available to answer questions
- Comment forms will be provided

## AUGUST 15

## CITY COUNCIL PUBLIC HEARING

When: August 15, 2018 | 5:30 PM

Where: City Council Chambers, 300 City Hall, 15 Kelloga Blvd W

### City Council Public Hearing

Following the July Open House, the proposal for bike lanes on Western Avenue will be presented to the Saint Paul City Council on Wednesday, August 15. This will be a public hearing, and there will be an opportunity for public comment. The City Council will be asked to approve a resolution authorizing Public Works to install the proposed bike lanes on Western Avenue.

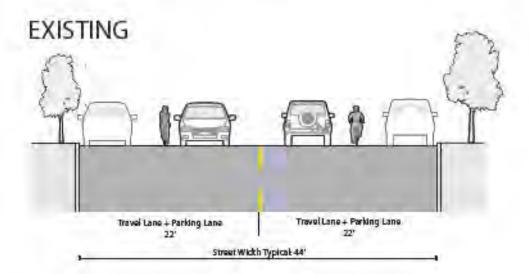


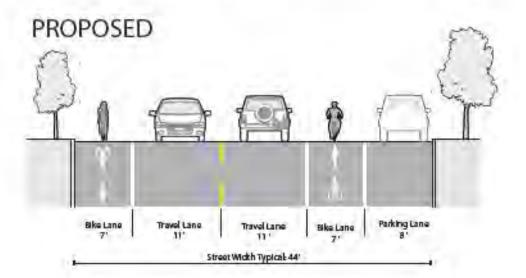
An Affirmative Action Equal Opportunity Employer





# EXISTING & PROPOSED TYPICAL SECTIONS WESTERN AVENUE: COMO TO FRONT





#### DEPARTMENT OF PUBLIC WORKS

Kathy Lantry, Director



#### CITY OF SAINT PAUL

Melvin W. Carter, Mayor

1500 City Hall Annex 25 W. Fourth Street Saint Paul, MN 55102-1660 Fax: 651-266-6222

July 30, 2018

Dear Saint Paul Resident / Property Owner:

The City of Saint Paul is proposing to install bicycle facilities on Western Avenue between Front Avenue and Como Avenue. This project will be presented to the Saint Paul City Council on Wednesday, August 15. **This will be a public hearing, and there will be an opportunity for public comment.** The City Council will be asked to approve a resolution authorizing Public Works to install the proposed bicycle facilities on Western Avenue.

This hearing will be held at:

5:30 PM, Wednesday, August 15, 2018

City Council Chambers 300 City Hall 15 Kellogg Blvd, West Saint Paul, MN 55102

#### **Project Updates:**

A community meeting was held on July 23<sup>rd</sup> at the Rice Recreation Center to present information and receive feedback on the project. In response to community feedback, Public Works is changing the recommendation for parking removal from the west side of Western Avenue between Front Avenue and Larch Street, to the east side of Western Avenue (see map on reverse side). Removing parking from the east side of the street instead of the west side presents the opportunity to maintain ten additional onstreet parking spaces, maximizing available parking capacity between Larch and Front avenues.

If you have not submitted a comment already or cannot attend the public hearing, you may email project staff or your Councilmember to have your comments entered into the public record.

#### **Project Contact:**

Luke Hanson, Transportation Planning and Safety Division

Phone: 651-266-6146

Email: Luke.Hanson@ci.stpaul.mn.us

To review the proposed project in more detail, please visit the project website at:

www.stpaul.gov/bikeprojects

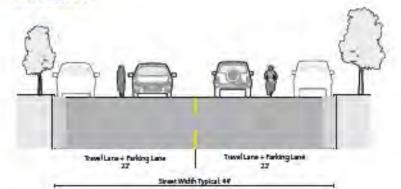


An Affirmative Action Equal Opportunity Employer

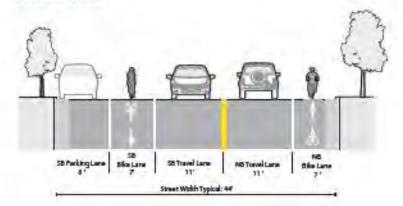


# WESTERN AVENUE (FRONT TO COMO) EXISTING & PROPOSED TYPICAL SECTIONS

## EXISTING:



## PROPOSED:



## PROJECT MAP

