

# South Barker Corridor Improvement Projects

## Public Meeting

June 8, 2022

Erica Amsden, PE, Project Manager  
Robert Lochmiller, PE, Project Manager  
Jerremy Clark, PE, Traffic Engineer



# Presentation Agenda

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- Existing Conditions
- Intersection Level of Service
- South Barker Corridor Improvements
- Sprague/Barker Intersection Project Background
- Sprague/Barker Roundabout Design
- Sprague/Barker Budget & Funding
- Sprague/Barker Construction Schedule
- Sprague/Barker Detour Route & Resources
- Questions & Contact Information

# Existing Conditions

- Two lane road, no shoulder
- 4 Way Stop & 2 Way Stops (4<sup>th</sup> & 8<sup>th</sup>)
- Average Daily Traffic (ADT)
  - Barker Road = ~10,000 ADT
  - Sprague Avenue = 4,800 ADT
  - 4<sup>th</sup> Avenue = 500 ADT
  - 8<sup>th</sup> Avenue = 1,700 ADT
- Level of Service (LOS)
  - @ Sprague = E (2018) & F (2040)
  - @ 4<sup>th</sup> & 8<sup>th</sup> = C (2018) & D (2040)



# Intersection Level of Service (LOS)

- Measure of Delay or Wait Time at the Intersection

Level of Service	Description	Signalized Intersection Delay (seconds)	Unsignalized Intersection Delay (seconds)
A	Free-flowing conditions.	0-10	0-10
B	Stable operating conditions.	10-20	10-15
C	Stable operating conditions, but individual motorists are affected by the interaction with other motorists.	20-35	15-25
D	High density of motorists, but stable flow.	35-55	25-35
E	Near-capacity operations, with speeds reduced to a low but uniform speed.	55-80	35-50
F	Over-capacity conditions with long delays.	> 80	> 50

Source: Highway Capacity Manual 2016, Transportation Research Board

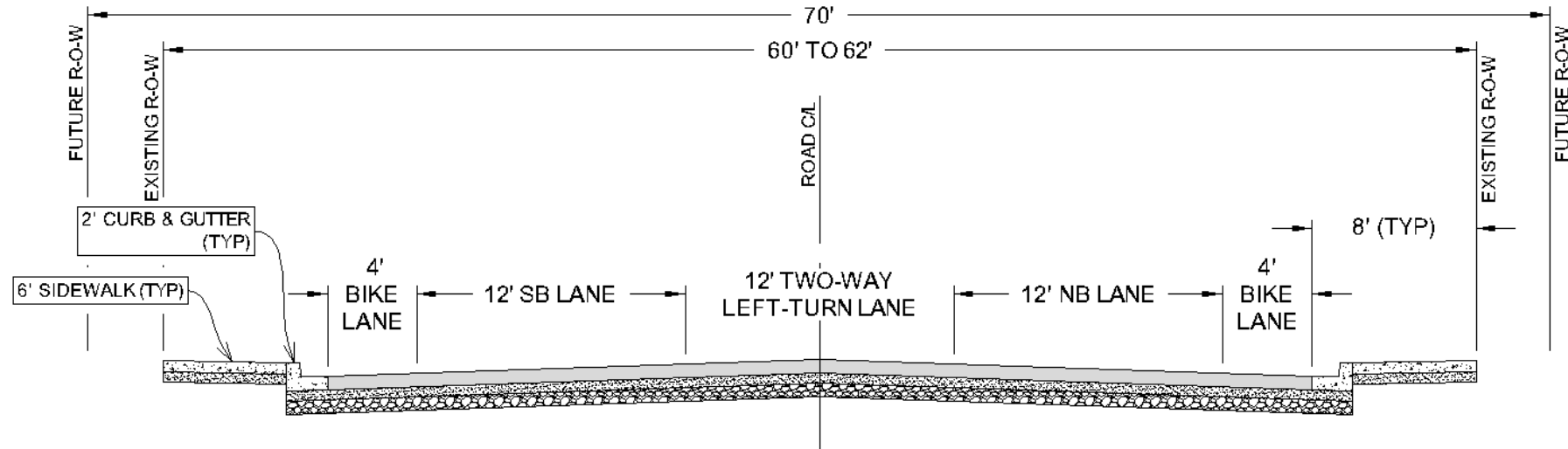


# South Barker Corridor

- South Barker Corridor Study (February 2020)
- South Barker Corridor Transportation Impact Fee Rate Study (September 2020)
  - <https://www.spokanevalley.org/impactfees>
- Recommended Improvements
  - Sprague & Barker Intersection (#1)
    - Constructs a single lane roundabout
  - Appleway to City Limits (#2)
    - Widens Barker Rd to three lane road
    - 5 lanes at the intersection of Appleway
  - 4<sup>th</sup> & Barker Intersection (#3)
    - Constructs a single lane roundabout
  - 8<sup>th</sup> & Barker Intersection (#4)
    - Constructs a single lane roundabout



# South Barker Corridor



## ■ Proposed Barker Road Section

- Current Right-of-Way (ROW) width = 60 to 62 feet
- Anticipated Right-of-Way Needed = 70 feet
  - Likely 5 ft ROW strip purchases needed on each side of the roadway
  - Larger ROW acquisitions will be needed at storm pond/swale locations.
  - Larger ROW corner acquisitions will be needed at intersections (Sprague, 4<sup>th</sup> and 8<sup>th</sup>)



# South Barker Corridor

- Current Funding
  - Sprague & Barker Intersection (#1)
    - Total Cost = \$2.5 Million, Fully Funded
    - Federal Grants
  - Appleway to City Limits (#2)
    - Construction Estimated Cost = \$7.2 Million
    - Design & Environmental Funded Only (Impact Fees)
  - 4<sup>th</sup> & Barker Intersection (#3)
    - Construction Estimated Cost = \$3.0 Million
    - Design & Environmental Funded Only (Impact Fees)
  - 8<sup>th</sup> & Barker Intersection (#4)
    - Construction Estimated Cost = \$2.6 Million
    - Design & Environmental Funded Only (Impact Fees)
  - Recently Received \$3 Million Congressional Direct Spending Award



# South Barker Corridor

## ■ Current Status

- Sprague & Barker Intersection (#1)
  - Construction June-August 2022
- Appleway to City Limits (#2), 4<sup>th</sup> & Barker Intersection & 8<sup>th</sup> & Barker Intersection (#4)
  - Design & Environmental – 2022 & 2023
  - Right-of-Way Acquisitions – Initiate in 2023, once funding has been secured
  - Construction – To be determined, once funding has been secured.





# Sprague/Barker Background

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- February of 2014 - The City identified the intersection requiring improvements and added it to our Transportation Improvement Program (TIP)
- March of 2015 – Public meeting to gain input
- December of 2018 – The city was awarded a grant to continue with design and begin right of way acquisition
- January of 2020 – Coordination with Central Valley School District
- February of 2020
  - Public Meeting to discuss design alternatives
    - Signal vs. Roundabout
  - Informational presentation at a City Council meeting to discuss design alternatives



# Sprague/Barker Background continued

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- March 3, 2020 – City Council motion to move forward with the design of a roundabout
- Fall 2020 – Staff began acquiring right of way for project
- April of 2022
  - Right of way acquisition was completed and certified
  - Coordination with Central Valley School District
  - Project advertised for bids
- May 2022 – Bids were opened and the project was awarded to Inland Asphalt Company



# Sprague/Barker Roundabout Design

- Level of Service (LOS) A
  - Accommodates School Bus Traffic
- 10' shared use path to accommodate pedestrians and bicycles
- Lighting Improvements
- Drainage Improvements
- Splitter Islands with recessed sections to allow driveway access



# Sprague/Barker Budget and Funding

- The project cost is approximately \$2.5 million
- Funding Sources
  - Developer Impact Fees
  - CMAQ Grant
  - City Safety Grant



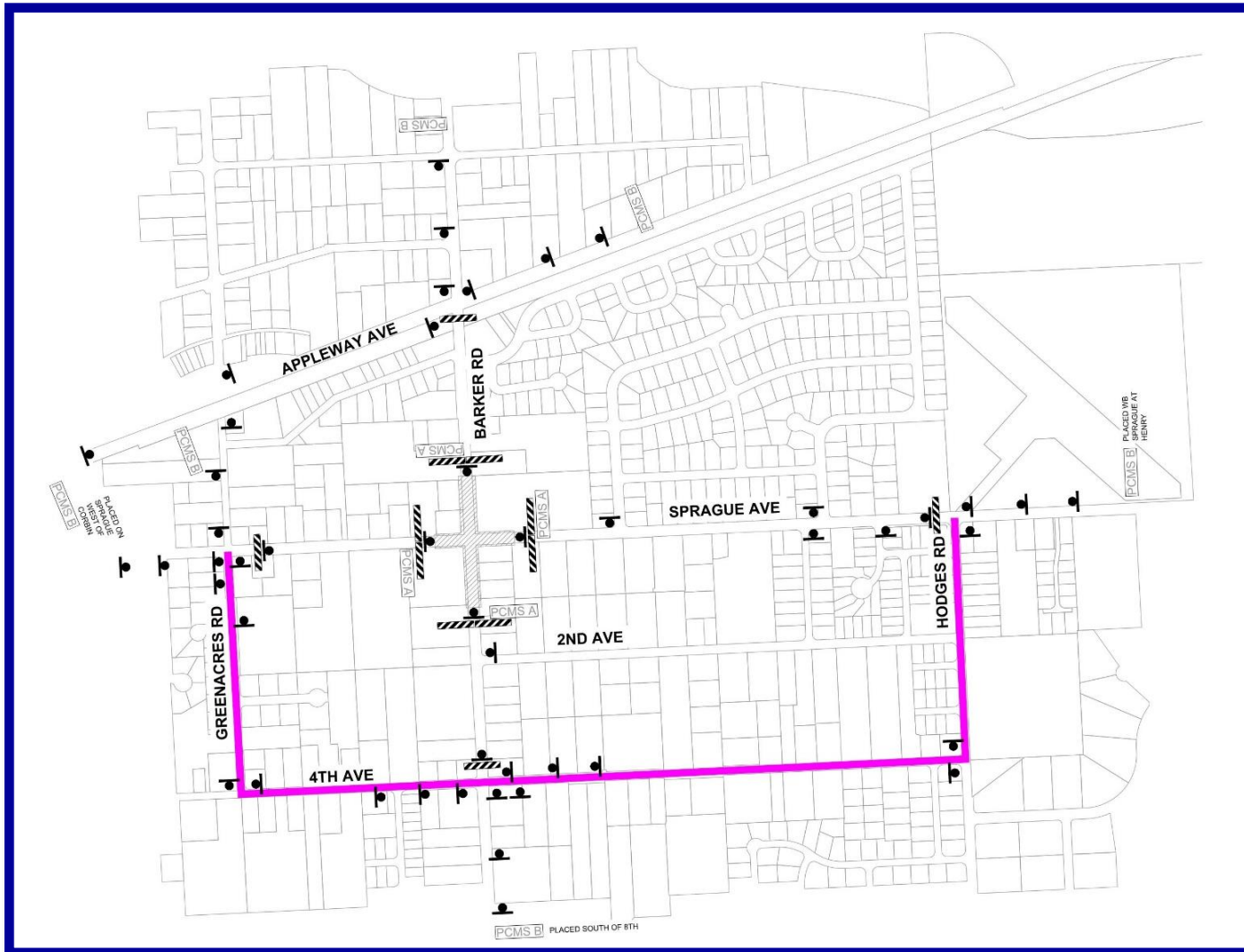


# Sprague/Barker Construction Schedule

- Construction is scheduled to begin week of June 20<sup>th</sup>
- Approximate 6 week duration (tentative)
- Conclude in August
  - Inclement weather and material shortages have the potential to extend the project



# Sprague/Barker Detour Route & Resources



- Emergency Services will be notified
- Speed Hotline 509-477-3350
- Scope 509-477-3376



# Title VI Language/Forms

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- Title VI Notice to Public – It is the policy of the City of Spokane Valley to assure that no person shall, on the grounds of race, color, national origin, or sex, as provided by Title VI of the Civil Rights Act of 1964, and related State and Federal Statutes, be excluded from participation in, be denied the benefits of, or be otherwise discriminated against under any of its federally-funded programs and activities. Any person who believes his/her Title VI rights have been violated may file a complaint with the City's Title VI Administrator at [jwhitehead@spokanevalley.org](mailto:jwhitehead@spokanevalley.org), or call (509) 720-5111.
- Forms may be requested from Candice Powers-Henderson at [cphenderson@spokanevalley.org](mailto:cphenderson@spokanevalley.org)

# Questions & Contact Information

## Sprague & Barker Intersection (#1)

Erica Amsden  
[eamsden@spokanevalley.org](mailto:eamsden@spokanevalley.org)  
509-720-5012

Inland Asphalt Company Public Liaison - Zach Smith  
[zach.smith@inlandnw.com](mailto:zach.smith@inlandnw.com)  
509-828-8107

Appleway to City Limits (#2), 4<sup>th</sup> & Barker Intersection (#3) & 8<sup>th</sup>  
& Barker Intersection (#4)

<https://www.spokanevalley.org/barkercorridor>

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509-720-5010

