

# 2020 Street Reconstruction Project

CITY COUNCIL MEETING

NOVEMBER 25, 2019





# Project Location



# Project Location

- 2<sup>nd</sup> Ave NE
- 3<sup>rd</sup> Ave NE







# Existing Conditions



# Existing Conditions





# Existing Conditions







# Proposed Improvements



# Proposed Improvements

- Street Reconstruction – 32 foot width
  - Current width 35 feet
  - Remove and replace bituminous pavement
  - Remove and replace curb
  - Install new sidewalks – east side of streets
    - Change from 10/28 meeting
  - Public utility repairs as needed
  - Coordinate private utility repairs

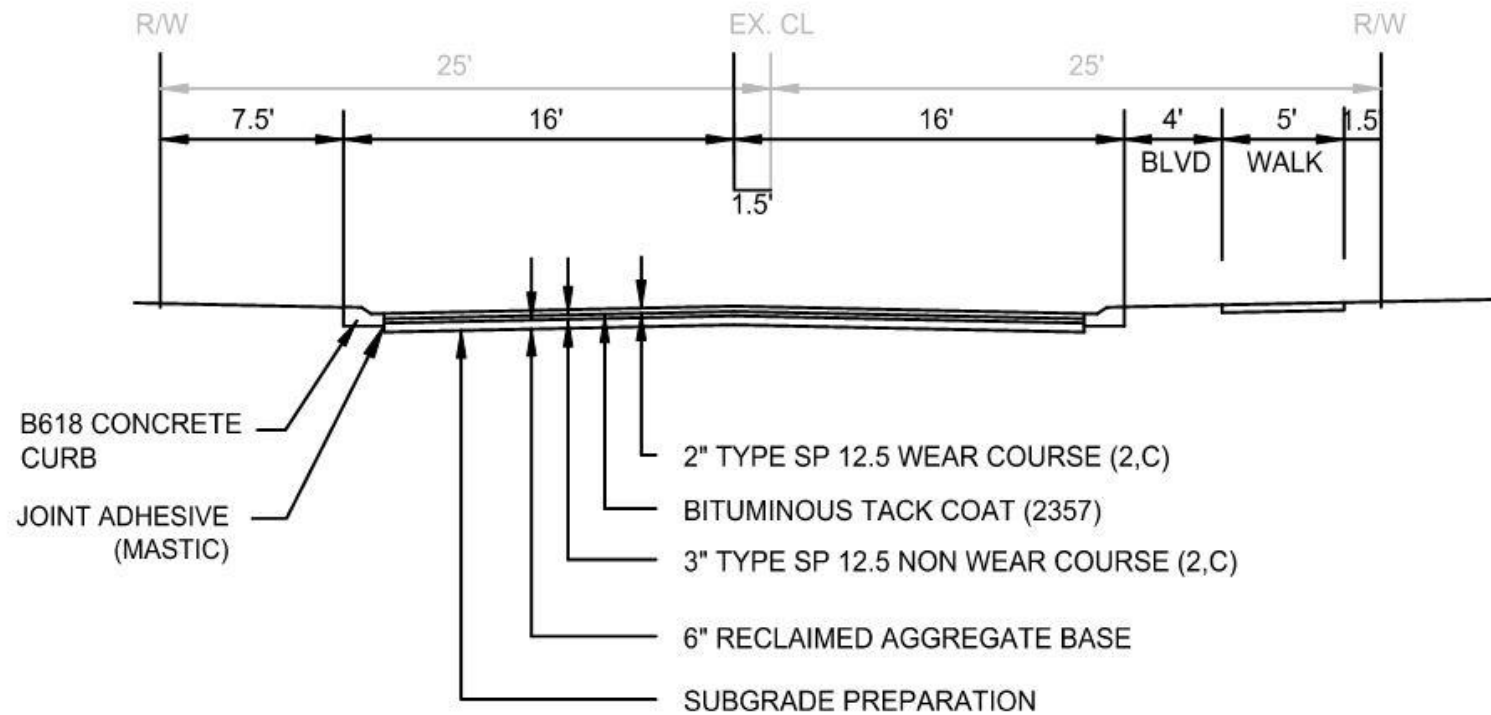
# Street Improvements

- Reclaim existing pavement
- Reuse reclaimed aggregate
- Narrow roadway to 32 feet
- Concrete Curb – west curb to remain in same location
- Bituminous pavement – 2 lifts



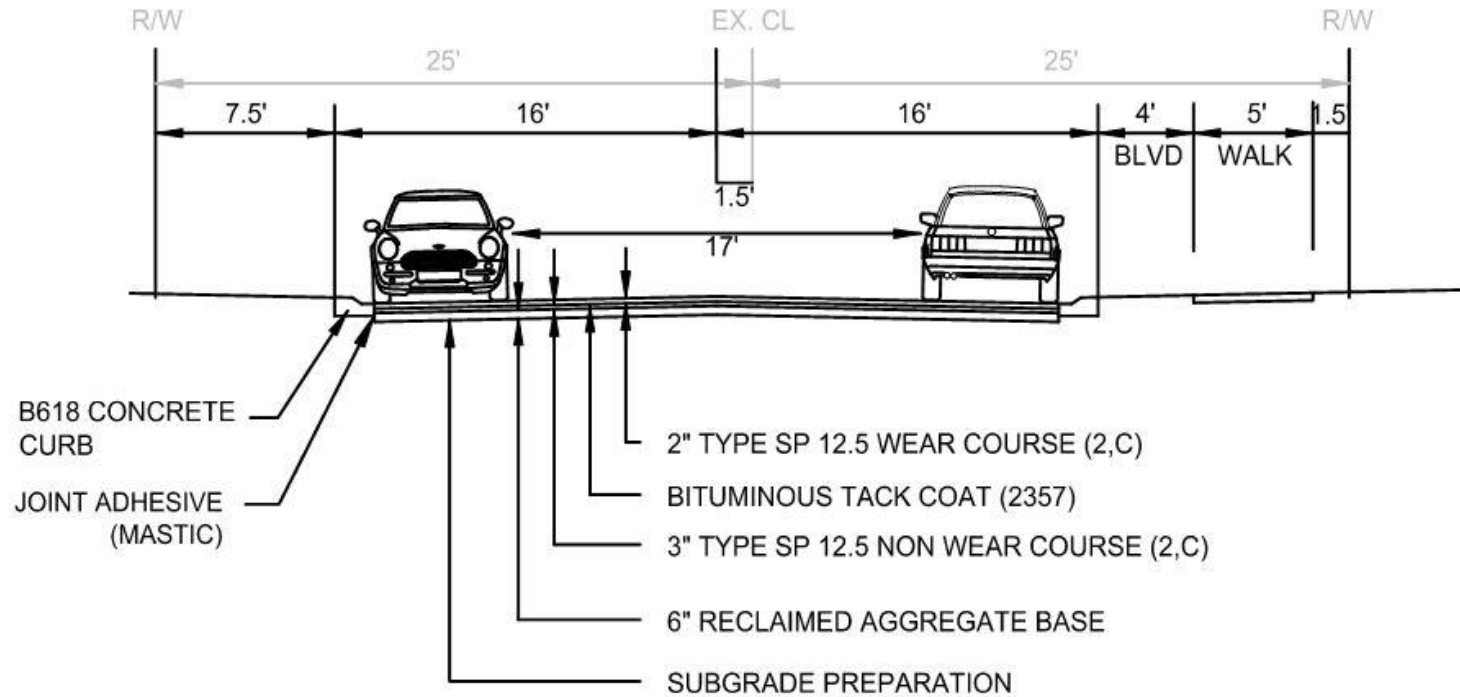


# Proposed Street Section



STREET RECONSTRUCTION  
2ND AVE NE, 3RD AVE NE

# Proposed Street Section – with Parked Cars



STREET RECONSTRUCTION  
2ND AVE NE, 3RD AVE NE





## City Staff Responses – Street Width

### Police

- Provided great info from Federal Highway Administration on sidewalks
  - Walking on the roadway is a major night hazard

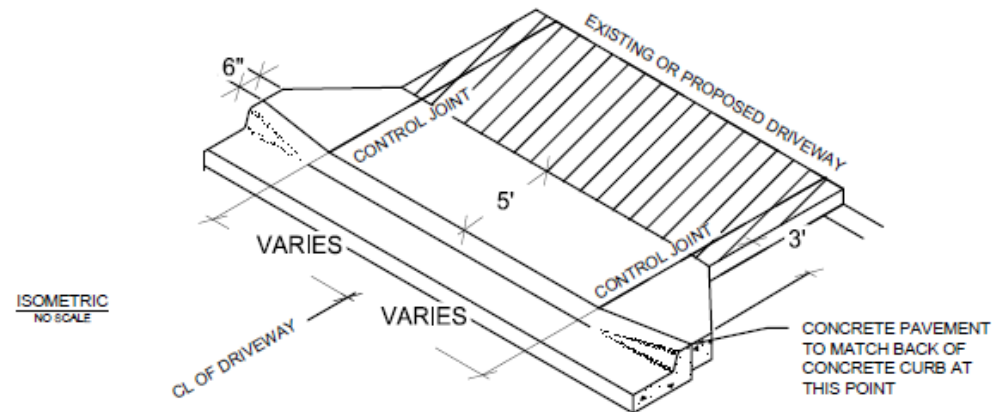
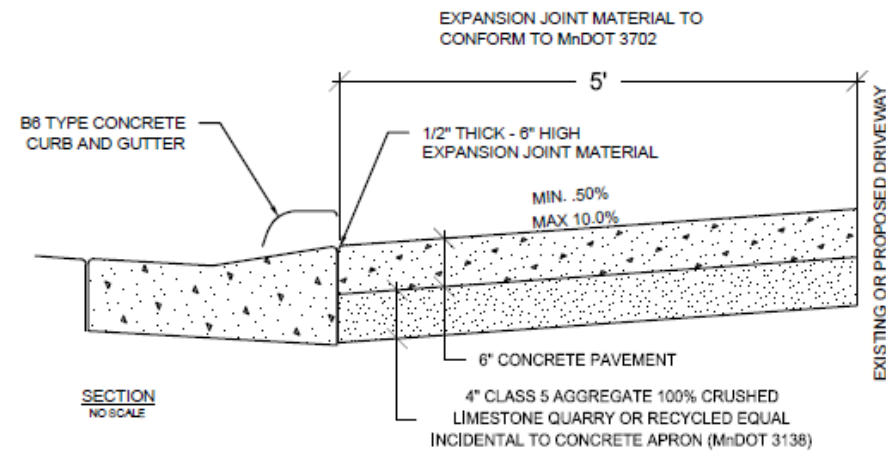
### Fire

- Fire trucks are designed to drive down the same roads that cars drive do.
- Would not expect a 32' street width to in any way hamper our ability to respond effectively.

### Public Works

- Good at maintaining full curb to curb width during the winter season.

# Driveway Aprons



# Utility Improvements

- Hydrant replacement
- Drainage improvements





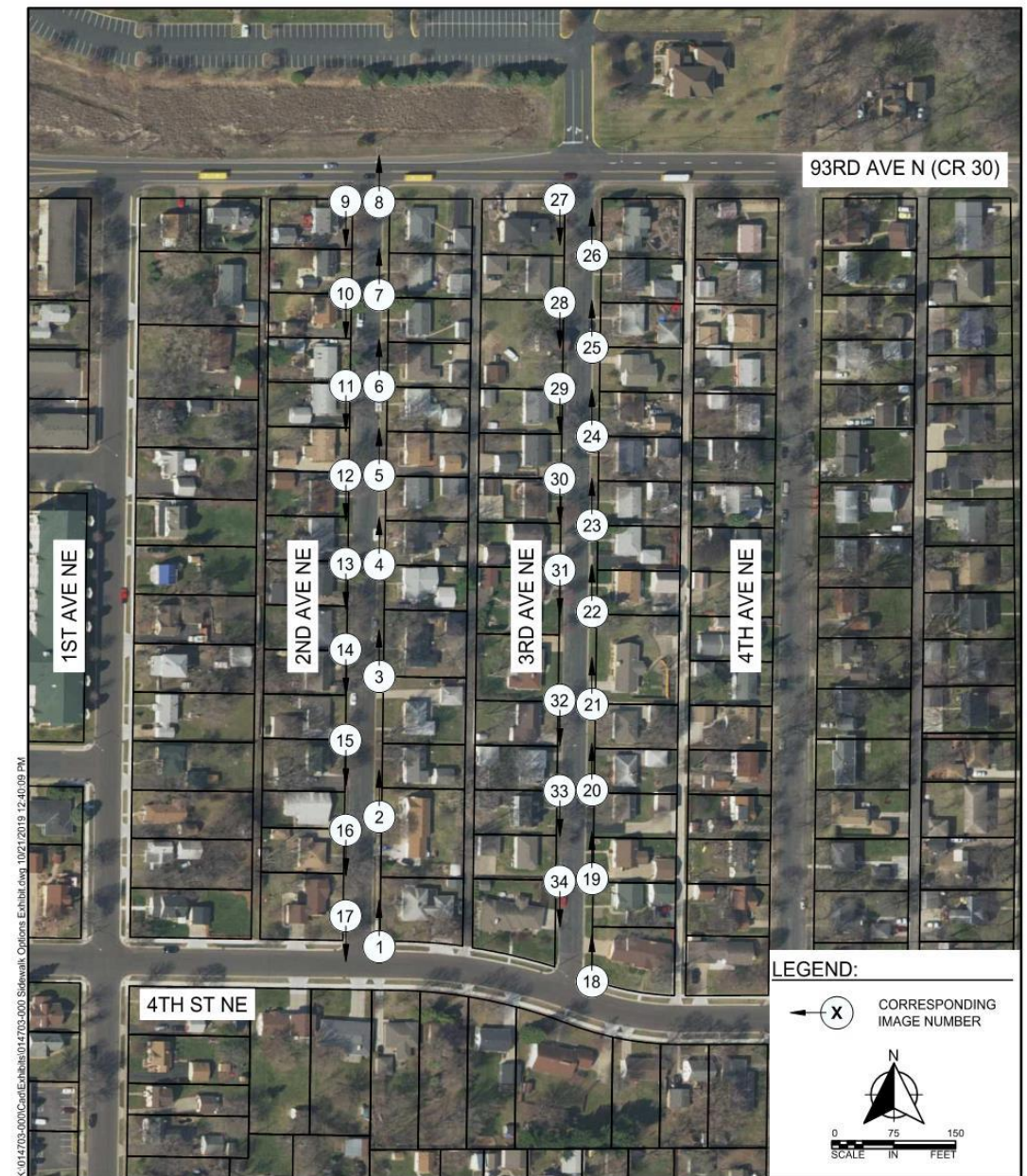
# Sidewalk Installation

- 5' sidewalk with 4' boulevard
  - Installed east side of street on
    - 2<sup>nd</sup> Ave NE
    - 3<sup>rd</sup> Ave NE
- Retaining walls as needed
- West curb lines to remain in same location



# Sidewalk Installation

- Sidewalk Picture Locations
  - Proposed walk marked in pictures
  - West curb lines remain in same location





# Sidewalk - 1





# Sidewalk - 2





# Sidewalk - 3





# Sidewalk - 4





# Sidewalk - 5





# Sidewalk - 6





# Sidewalk - 7





# Sidewalk - 8





# Sidewalk - 18





# Sidewalk - 19





# Sidewalk - 20





# Sidewalk - 21





# Sidewalk - 22





# Sidewalk - 23





# Sidewalk - 24





# Sidewalk - 25





# Sidewalk - 26







## Sidewalk Impacts

### Tree loss

- 516 3<sup>rd</sup> Ave – 12” located 5’ behind the existing curb
- 524 3<sup>rd</sup> Ave – 12” located 6’ behind the existing curb
- 600 3<sup>rd</sup> Ave – 18” located 7’ behind the existing curb

### Distance from homes to existing curb / new sidewalk

- Existing – 30’ to 32’ to curb
- Proposed - 24’ to 26’ to back edge of sidewalk





# Issues / Concerns



# Sidewalk Location

424 2<sup>nd</sup> Ave NE

- Tree 4' – 5' behind proposed sidewalk





# Sidewalk Location

432 2<sup>nd</sup> Ave. NE

- Tree 4' – 5' behind proposed sidewalk





## Street Widths - State Aid

T-Mobile 8:08 AM 100%  
revisor.mn.gov

Rules > Transportation Department > Chapter 8820 > Part 8820.9936  
◀ 8820.9935 8820.9940 ▶

### Minnesota Administrative Rules

[Authenticate](#)  PDF

**8820.9936 MINIMUM DESIGN STANDARDS, URBAN: NEW OR RECONSTRUCTION PROJECTS.**

New or reconstruction projects for urban roadways without a designated on-road bicycle facility must meet or exceed the minimum dimensions indicated in the following design chart.

Projected Traffic Volume	Design Speed  mph	Lane Width (a)  feet	Curb Reaction Distance (c)  feet	Parking Lane Width (e)  feet
ADT < 10,000	30-45	(b) 10-11	1-2 (d)	7-8
	50 or over	11-12	2	8-10
ADT ≥ 10,000	30-35	(b) 10-11	1-2 (d)	7-10
	40-45	11-12	1-4	7-10
	50 or over	11-12	2-4	Not allowed

Engineering judgment may be used to choose a lane-width dimension other than the widths indicated in the chart for roadways. Factors to consider include safety, speed, population/land use, benefit/cost analysis, traffic mix, peak hourly traffic, farm equipment, environmental impacts.





## Osseo Street Widths – requested info

- 1st Ave NE: 39.5' B-B
- 2nd Ave NE: 35' B-B
- 3rd Ave NE: 35' B-B
- 4th Ave NE: 41.5' B-B
- 5th Ave NE: 40.5' B-B
- 6th Ave NE: 41' B-B



## Area City Street Widths

- Osseo 32' BB – Proposed
- Robbinsdale 33.5' BB
- Crystal 31' BB – typical
- Brooklyn Ctr 31.5' BB
- Hopkins 33.5' BB
- Anoka 30-32' BB – typical
- Champlin 31' BB – city standard
- Golden Valley 29.5' BB – city standard
- Plymouth 28' BB – city standard
- Minnetonka 27.5' BB – city standard



# Street Widths

Minnetonka

- Bradford Road
- Standard street width
  - 27.5' BB





# Street Widths

Minnetonka

- Park Ridge Road
  - 23.5' BB





# Street Widths

Hopkins

- 18<sup>th</sup> Avenue
  - 33.5' BB





# Osseo – Street Width

5<sup>th</sup> Avenue SE

- 36' BB





# Street Widths

Osseo







# Street Design Considerations

- Move west curb line
  - Curb stop issues
  - Old farm house
- Decrease boulevard width
  - One foot less of snow storage





# Proposed Funding



## Proposed Funding

- Estimated Project Cost: \$1,034,500
- Funding – in accordance with Special Assessment Policy
  - City: 50% of surface costs, 100% of storm/utility costs
  - Property owner assessments: 50% of surface costs
    - Residential: \$6,720 per unit





# Schedule



## Next Steps and Schedule

- Feasibility Report Authorized August 26, 2019
- Informational Meeting October 1, 2019
- Feasibility Report Presented to CC October 28, 2019
- Improvement Hearing November 25, 2019
- Design November 2019 – January 2020
- Assessment Hearing April 2020
- Construction May 2020 – September 2020
- Substantial Completion August 2020
- Final Project Completion September 2020





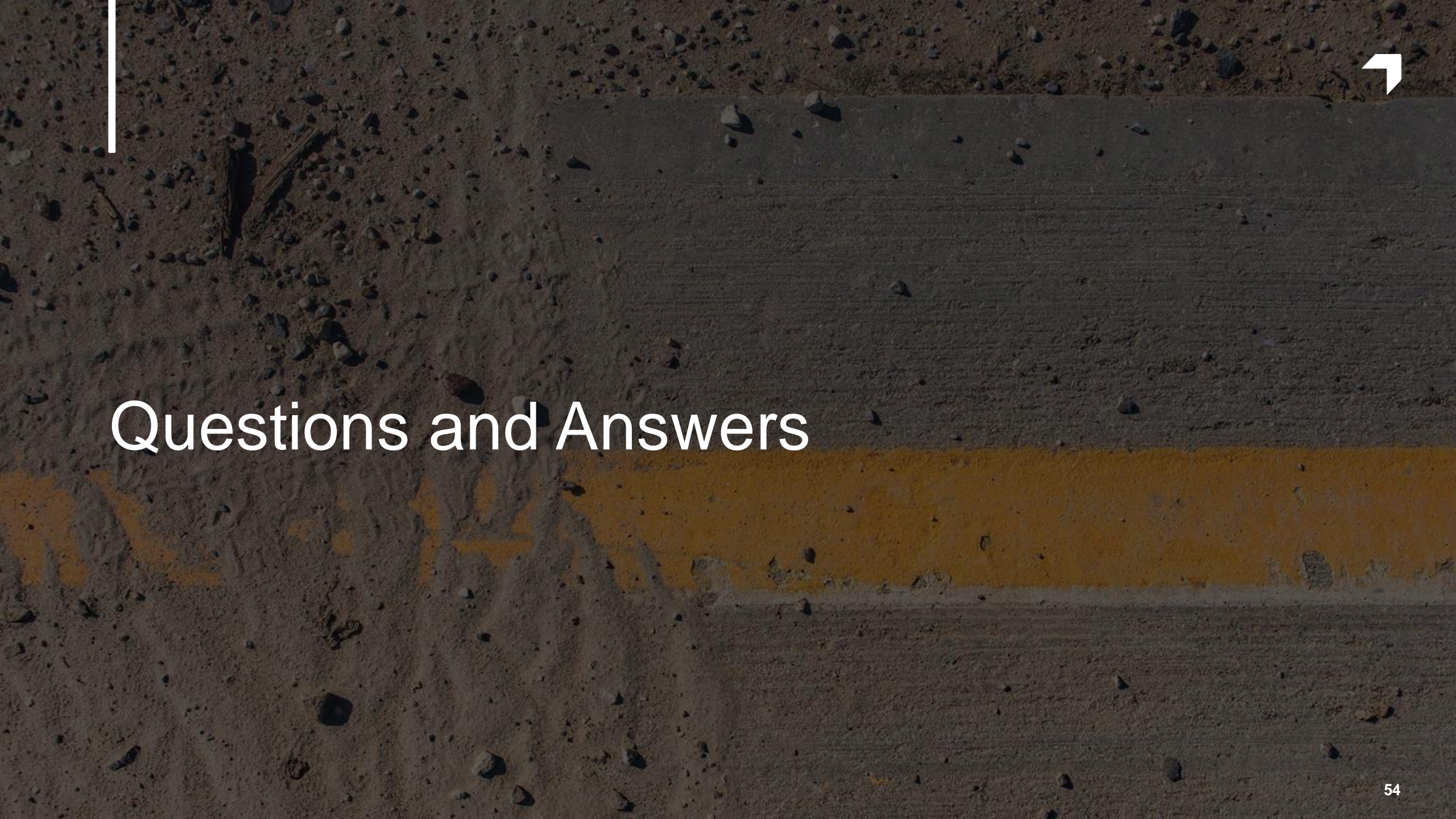
# Recommendation



# Recommendation

- Approve Resolution
  - Ordering Improvements
  - Ordering Preparation of Plans and Specifications





# Questions and Answers





THANK YOU