



**NEWPORT CORRIDOR IMPROVEMENTS &
AWBREY BUTTE WATERLINE IMPROVEMENTS
PROJECT UPDATES**

RWNA ANNUAL MEETING

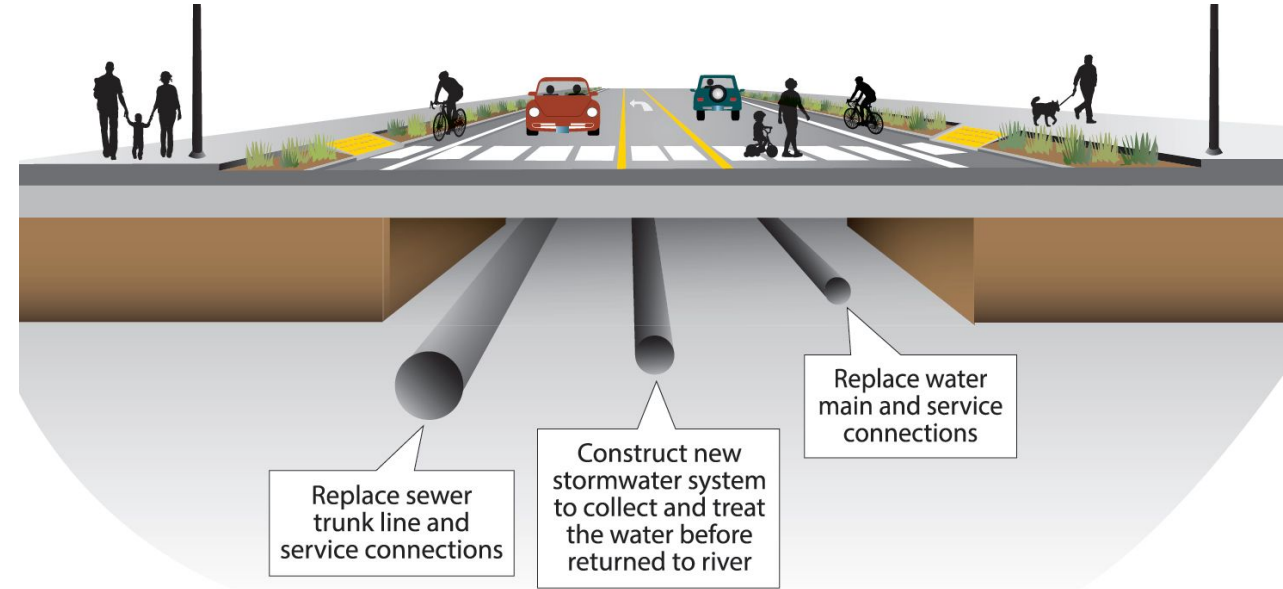
FEBRUARY 24, 2022

Brittany Barker, Principal Engineer
bbarker@bendoregon.gov

INFRASTRUCTURE IMPROVEMENTS



- Water
 - Replace older cast iron and steel lines
 - Upsize water main
 - Replace service lines
- Sanitary Sewer
 - Replace older reinforced concrete pipe (RCP)
 - Replace service lines
 - Upsize trunk line east of 15th St.
- Stormwater
 - Replace deficient Corrugated Steel Pipe (CSP)
 - Stormwater filter units
 - Water Quality Planters
- Transportation
 - Continuous Sidewalks and ADA compliant ramps
 - Curb inlets instead of grated
 - “Dogbone” Roundabout



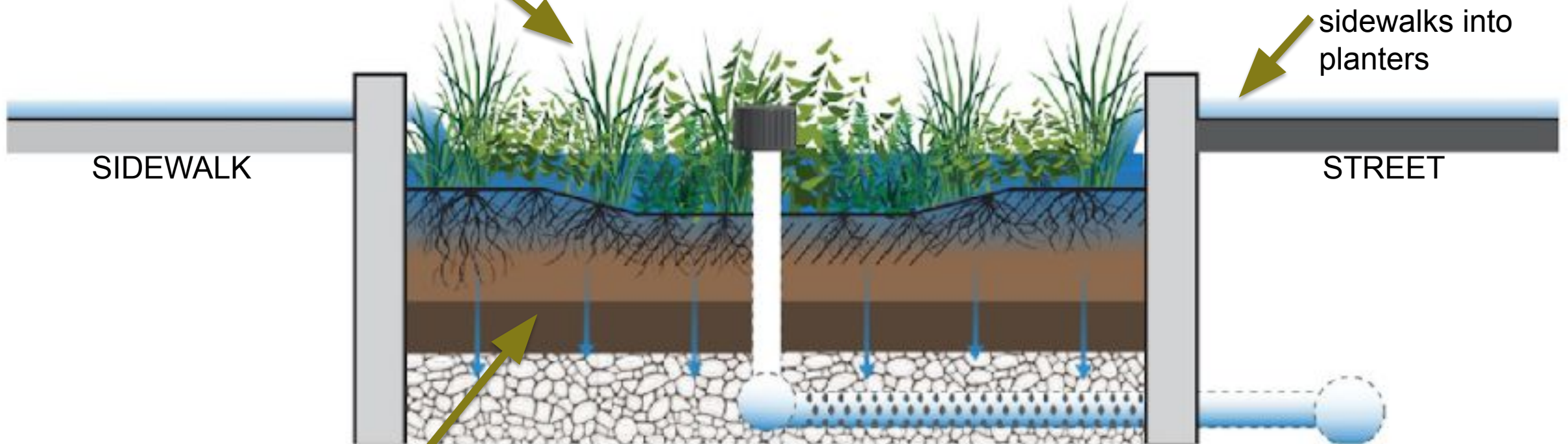
STORMWATER PLANTER BENEFITS



Native plants help reduce and clean the stormwater



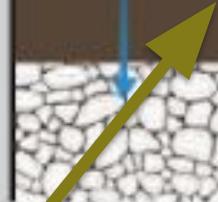
Runoff flows from streets and sidewalks into planters



SIDEWALK

STREET

Layered soils and natural bacteria help catch and break down pollutants



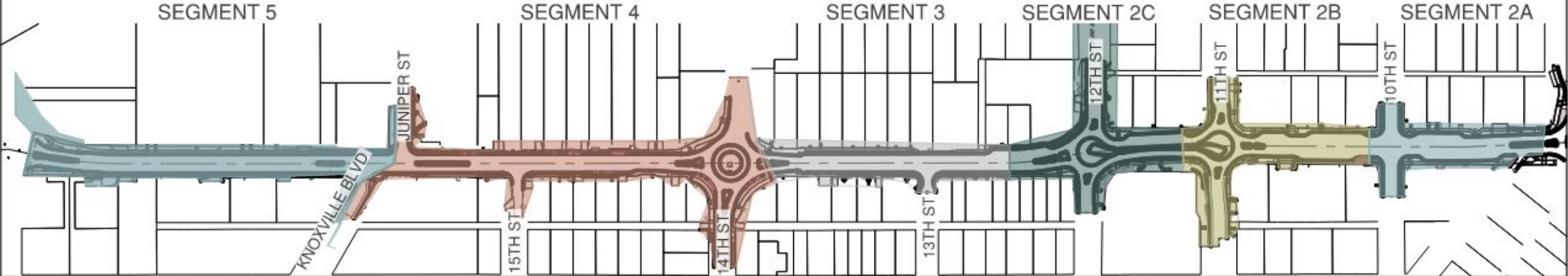
TO STORM DRAIN

NEWPORT- PHASING OVERVIEW



SCHEDULE SUBJECT TO CHANGE
MAP NOT TO SCALE

NEWPORT CORRIDOR IMPROVEMENTS PROJECT PROPOSED FULL CLOSURE CONSTRUCTION SEGMENT PLAN



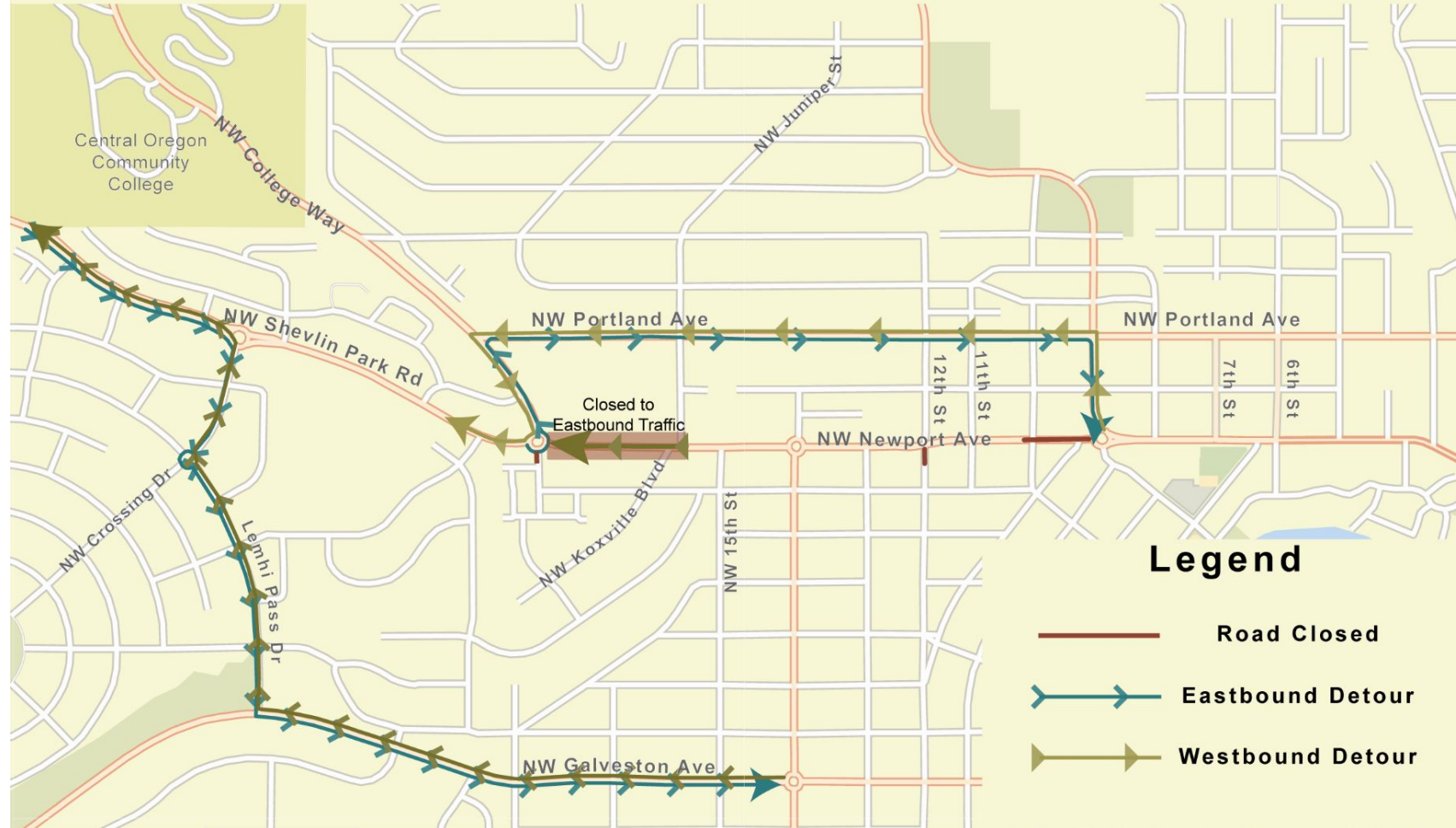


CURRENT DETOUR

Newport Avenue Improvements Project

February 2022 - March 2022

(Weather Permitting)



SEGMENT 5: ROCKWOOD LANE CLOSURE



ROUNABOUT ARTWORK



Bueno Homage to the Buckaroo



Attilt, Sundra & Garden Gate

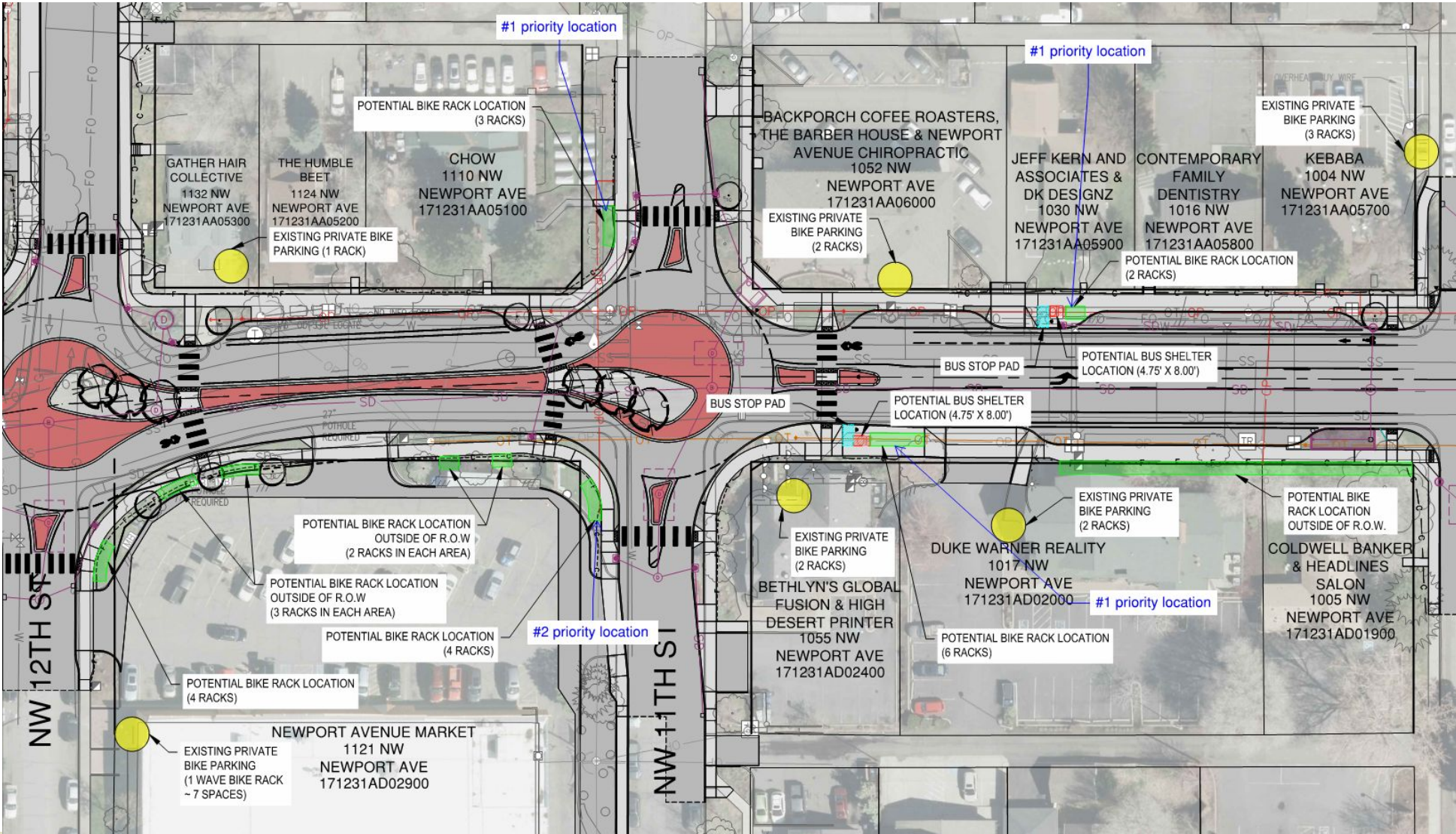
TRANSIT STOPS



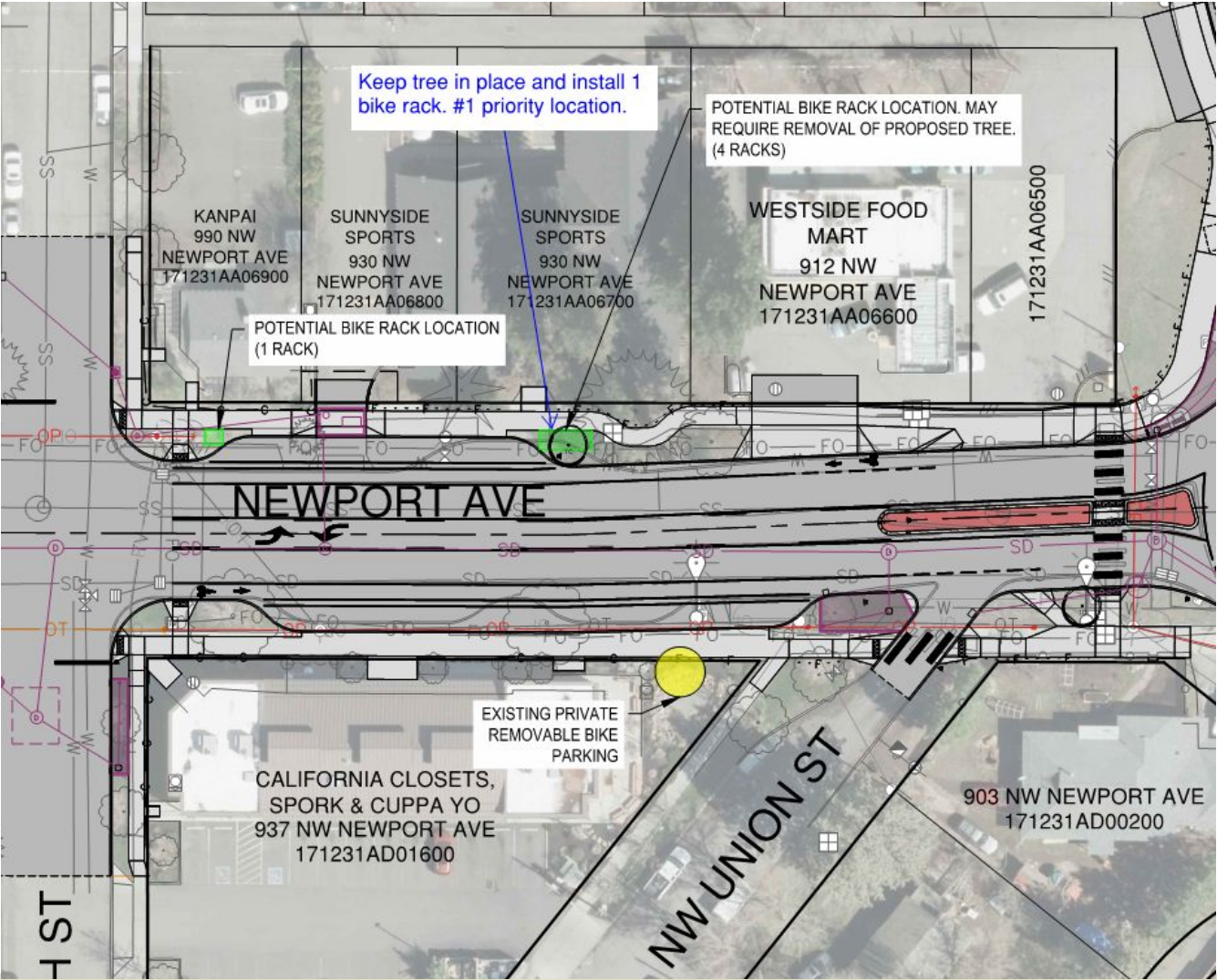
- From 10th to 11th Street
 - The westbound transit stop will be installed in front of Jeff Kern & Associates and DK Designz
 - The eastbound transit stop will be installed in front of the old Bethlyn's Global Fusion
 - Both of these locations will have bus benches and shelters
- Near the 14th Street Roundabout
 - The westbound transit stop will be installed in front of 1392 NW Newport Avenue
 - The eastbound transit stop will be installed in front of 1425 NW Newport Avenue
 - Both of these locations will have bus benches and shelters
- From Juniper Ave to College Way:
 - The westbound transit stop will be installed in front of Aspen Court Apartments
 - The eastbound transit stop will be installed in front of the Dance Studio
 - These locations will have bench seating available
 - There is limited space within the City's ROW so a shelter cannot be installed



BIKE RACKS



BIKE RACKS



- 5 locations throughout the business district
- 16 additional U-shaped bike racks
- Parking spaces for up to 32 additional bikes





Newport Questions?

Website: www.bendoregon.gov/newportimprovements

Contact: bbarker@bendoregon.gov

24-hour hotline: 541-200-6972

AWBREY BUTTE WATERLINE IMPROVEMENTS



AWBREY BUTTE DISTRIBUTION IMPROVEMENTS, 1WABD

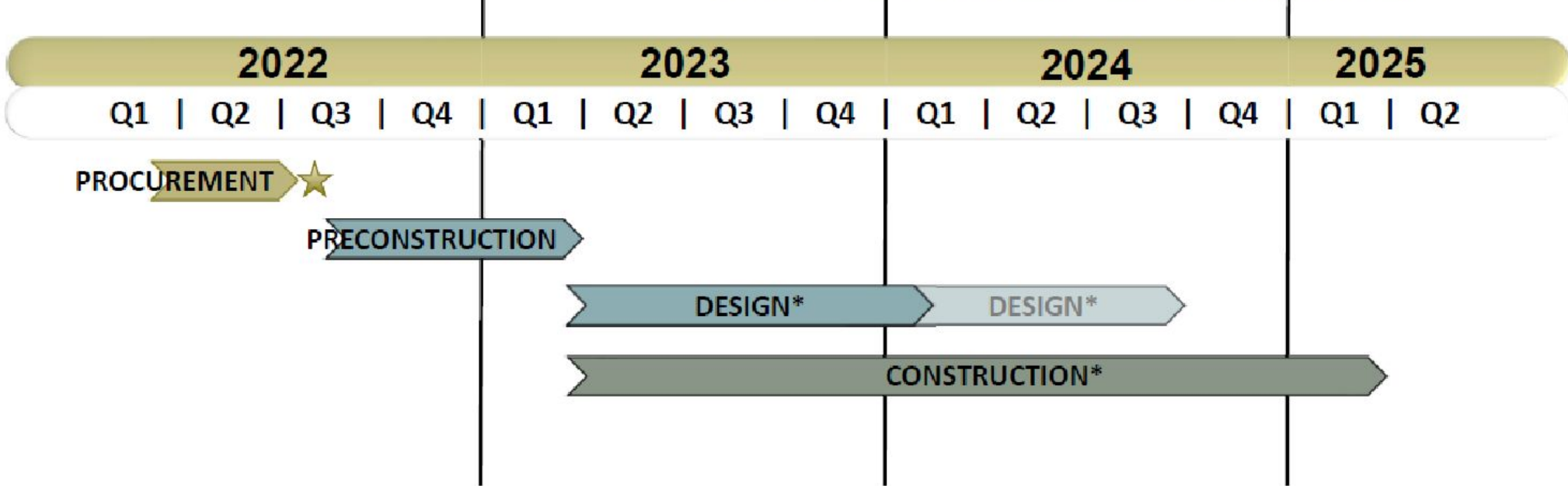
- - - New Awbrey Transmission
- Awbrey Reservoir Outlet Transmission Upsize
- 12th & Juniper Street Improvements
- Glassow Looping
- Awbrey Road & Portland Avenue
- - - Pipe Replacements
- ★ Awbrey Butte Water Reservoir & Pump Station

PROJECT GOALS & OBJECTIVES



- Project Delivery Method = Progressive Design-Build (PDB)
 - The construction project design is developed by the Owner and the Design-Builder in a step-by-step process
 - This enables the greatest amount of engagement between the three key players in a construction contract: the owner, the designer, and the contractor.
 - This type of alternative delivery method has been used recently at the City of Bend to successfully complete complex projects.
- Progressive Design-Build Project Objectives Include:
 - Accelerated Schedule
 - Efficient Project Sequencing
 - Staying on Budget
 - Reduced Owner's Risk
 - Early and Consistent Collaboration
 - Early Engagement and Communication

TENTATIVE PROJECT SCHEDULE



★ July 2022 – Tentative Council Date for PDB Contract

*Design & Construction Services likely to occur in multiple GMP work packages; to be determined by Design-Builder and City



Awbrey Waterline Questions?

Website: www.bendoregon.gov/Awbrey-Waterline
Contact: awbreywaterline@bendoregon.gov



GO BOND & GALVESTON CORRIDOR PROJECT UPDATES

RWNA ANNUAL MEETING

FEBRUARY 24, 2022

Ryan Oster, Engineering Director
roster@bendoregon.gov

**2020 General Obligation Bond Fund
Five Year Capital Improvement Program (CIP) Schedule**

	Cost Estimate Classification*	FY21-22	FY22-23	FY23-24	FY24-25	FY25-26	Total
1GWAC Wilson Avenue Corridor	5	\$ 2,500,000	\$ 8,000,000	\$ 3,516,000	\$ -	\$ -	\$ 14,016,000
1TNPS Neff & Purcell Intersection	5	1,288,000	1,000,000	-	-	-	2,288,000
1GAEE Aune Street Extension (East)	5	-	400,000	400,000	2,000,000	3,550,000	6,350,000
1GAEW Aune Street Extension (West)	5	-	-	-	-	250,000	250,000
1RNPR Newport Corridor Improvements	5	110,000	110,000	-	-	-	220,000
1GOPB Diney Pedestrian and Bike Improvements	5	50,000	250,000	1,000,000	1,151,000	-	2,451,000
1GOPI 4th/Diney and 4th/Penn Intersections	5	-	-	-	-	250,000	250,000
1GRMC Reed Market Corridor	5	100,000	100,000	200,000	3,000,000	5,465,000	8,865,000
1GFAI, 1GHAD, 1GGAU Midtown Crossings	5	300,000	800,000	1,270,000	6,600,000	4,000,000	12,970,000
1GB27 Bear Creek Road and 27th Street Improvements	5	-	800,000	3,500,000	4,100,000	-	8,400,000
1GLRS Local Residential Street Safety	5	750,000	750,000	750,000	750,000	750,000	3,750,000
1GEAT Enhanced Access to Transit	5	75,000	75,000	75,000	1,000,000	75,000	1,300,000
1GBBA Butler Market Road and Boyd Acres Road Improvements	5	250,000	1,000,000	2,000,000	646,000	-	3,896,000
1GNCI Neff Corridor Improvements	5	-	-	200,000	1,500,000	2,371,000	4,071,000
1GCAC Colorado Avenue Capacity Improvements	5	-	-	-	-	75,000	75,000
1GEDB Empire/D B Riley Intersection	5	-	-	-	-	150,000	150,000
1GCAI Colorado Avenue Interchange Improvements	5	-	-	-	-	150,000	150,000
1GMPR Murphy Parkway Ramps Project	5	-	-	-	-	250,000	250,000
1GPCI Portland Avenue Corridor Improvements	5	-	-	200,000	2,800,000	-	3,000,000
1GABB Archie Briggs Improvements	5	-	100,000	100,000	300,000	-	500,000
1GNCC North Corridor Project Coordination	5	-	-	-	4,800,000	-	4,800,000
		\$ 5,423,000	\$ 13,385,000	\$ 13,211,000	\$ 28,647,000	\$ 17,336,000	\$ 78,002,000

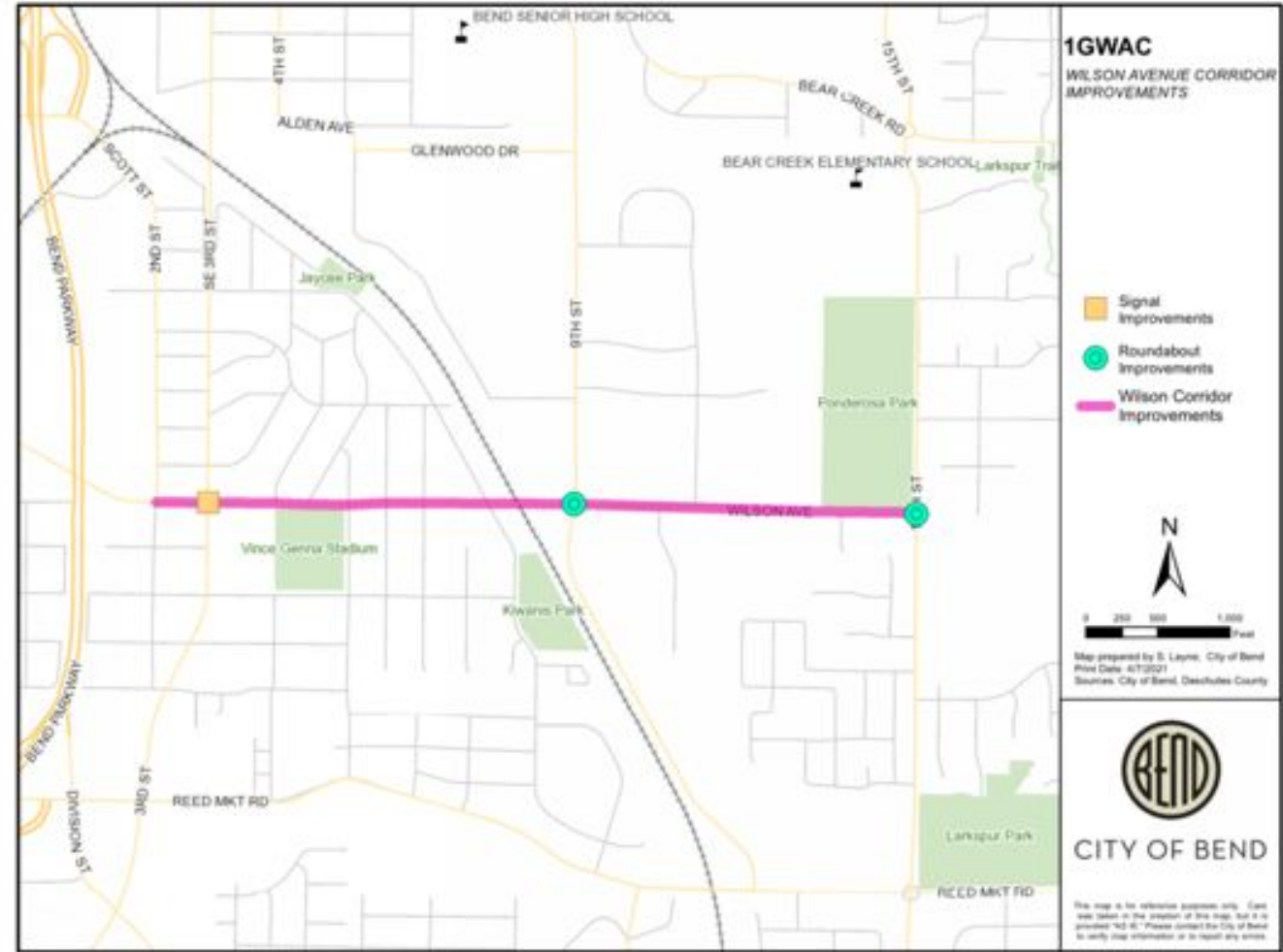
* The City's cost estimate classifications system is based on standards developed by the AACE International Recommended Practice No. 18R-97

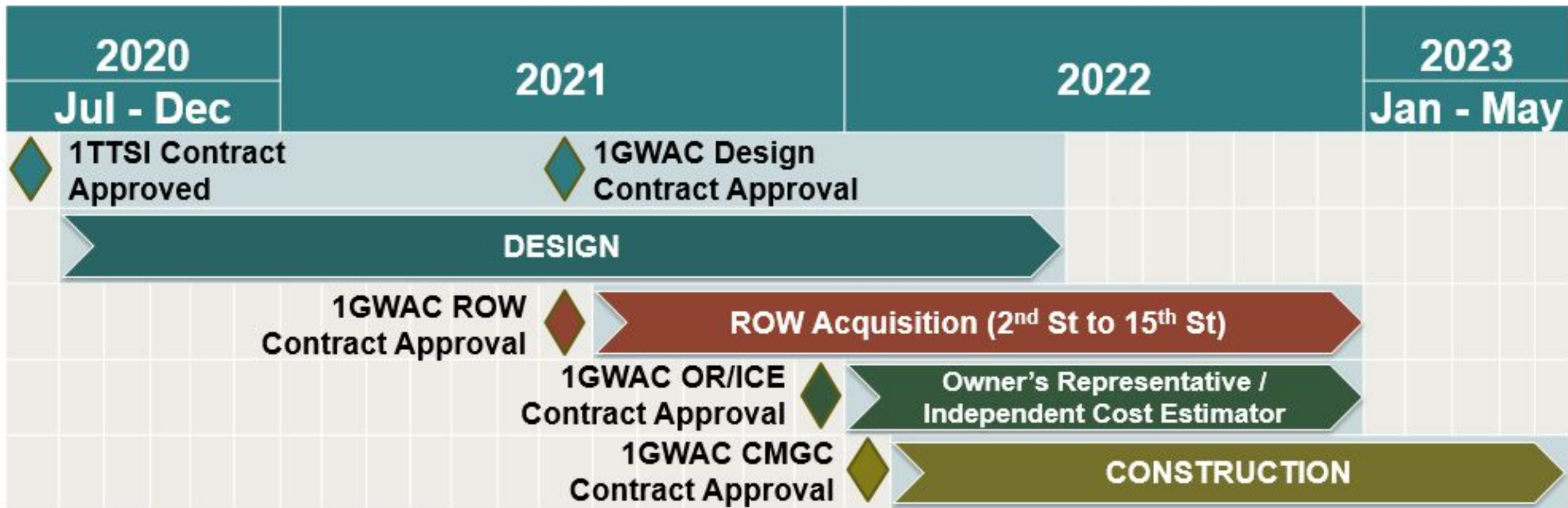
Estimate Class	Purpose	Project Definition Level Expressed as % of complete definition	Cost Estimate Range Typical variation in high & low range
Class 5	Concept or Feasibility	0% to 2%	+ 100% / - 50%
Class 4	Preliminary Engineering	1% to 15%	+ 50% / -30%
Class 3	Semi-Detailed (30 - 60% Design)	10% to 40%	+ 30% / -20%
Class 2	Detailed (60 - 100% Design)	30% to 75%	+ 20% / -15%
Class 1	Final (100% Design/Bld opening)	65% to 100%	+ 10% / -10%
N/A	Not applicable		

Design began July 2020

- Roadway modernization from 2nd Street to 15th Street
 - Upgraded Signal and Intersection Design at 3rd St and Wilson Ave.
 - Single-lane roundabout at 9th St and Wilson Ave.
 - Single-lane roundabout at 15th St and Wilson Ave.
 - Synergy project to upgrade water infrastructure along corridor

Project Goal: Bicycle and pedestrian improvements, signal phasing, trucking turning movements, and intersection capacity improvements





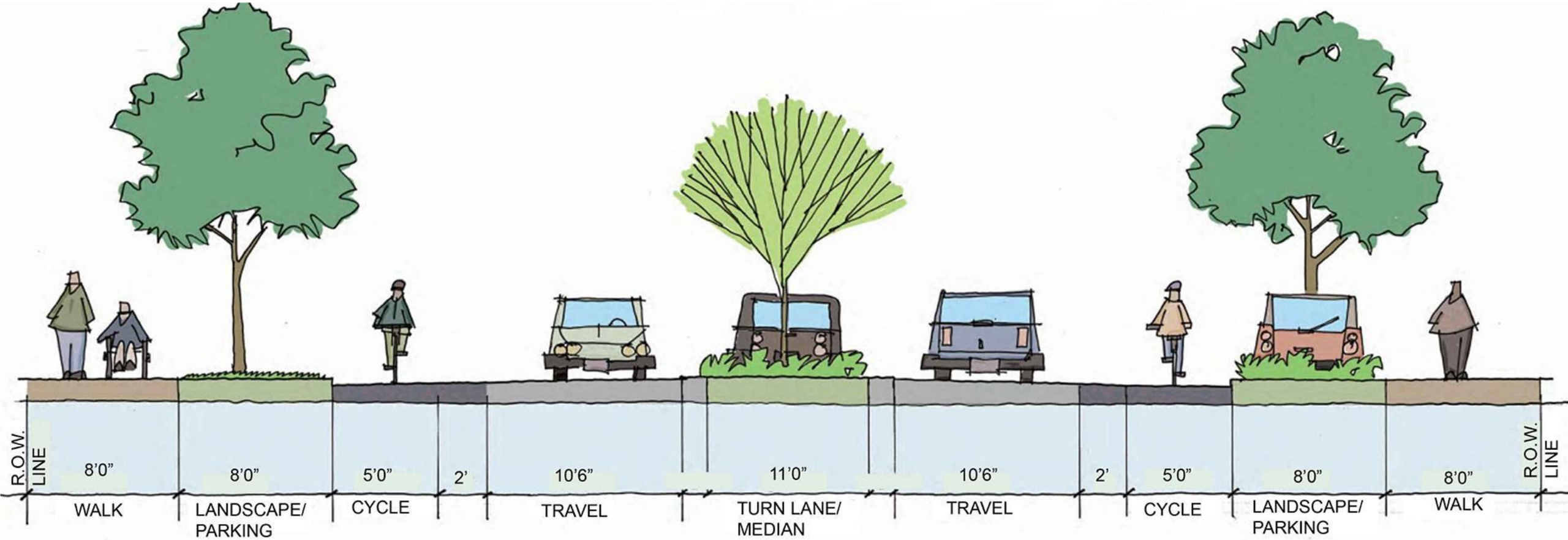


GO Bond Questions?

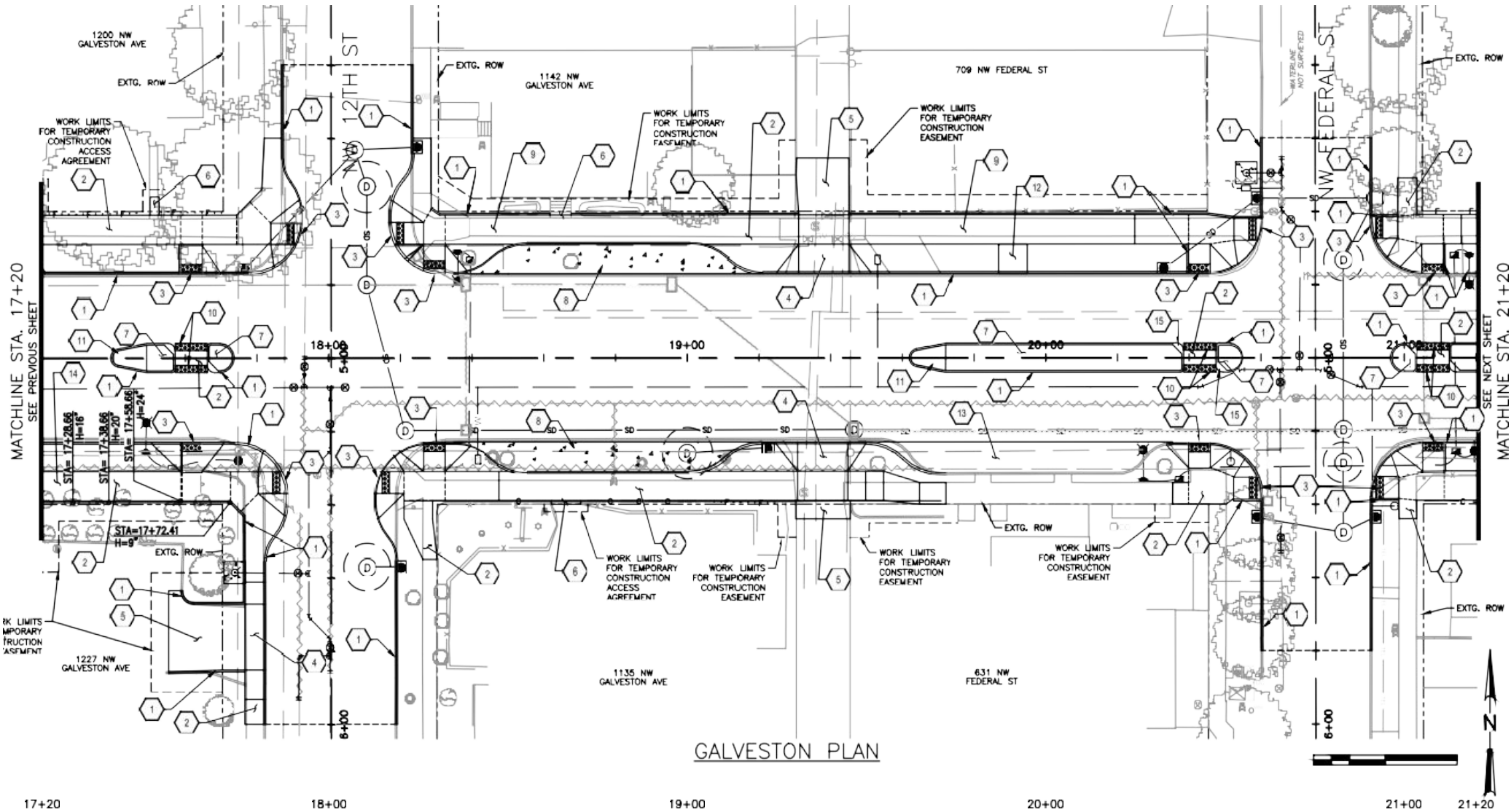
Website: <https://www.bendoregon.gov/city-projects/safe-travel>

Contact: mpackebush@bendoregon.gov

GALVESTON PROPOSED CROSS SECTION



GALVESTON DESIGN & TIMING



GALVESTON CORRIDOR BENEFITS





Galveston Questions?

Website: <https://www.bendoregon.gov/city-projects/safe-travel>

Contact: mpackebush@bendoregon.gov