



# Gresham Street Lighting

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EMCTC TAC

2/28/2024

# Street Light Fund

- \$1.5 million per year average
- Portion of fees paid by utilities in the right of way
- Covers basic operations and maintenance
  - electricity
  - staff costs for front-line maintenance
  - replacement parts
  - contracted maintenance



# Existing Streetlights and New Projects

- 8000 streetlights
- First Oregon city to replace all bulbs with LEDs (2015)
- Capital Projects – Sandy Blvd
- 181st Avenue Safety Improvements
- Centennial HS – 181st Ave
- Rockwood neighborhoods – CBDG funded
- New LED replacement - due to warranty issues

# Standards

- Used lighting performance software to choose fixtures and determine spacing.
- Fixed list of light fixtures and poles for developers.

<https://greshamoregon.gov/LED-Streetlights/>

Table 6.02.17 STANDARD STREETLIGHT LAYOUT AND TYPE					
FUNCTIONAL CLASSIFICATION	LIGHT HEIGHT (FT)	STREET SIDE	MAXIMUM FRONTAGE SPACING (FT)	LUMINAIRE TYPE <sup>4</sup>	WATTAGE LEVEL
Major Arterial <sup>1</sup>	35	Both Sides <sup>2</sup>	150	Medium Cobra	Medium
Standard Arterial <sup>1</sup>	35	Both Sides <sup>2</sup>	150	Medium Cobra	Medium
Minor Arterial <sup>1</sup>	35	Both Sides <sup>3</sup>	160	Small Cobra	High
Major Collector <sup>1</sup>	35	Staggered <sup>6</sup> or One Side	170	Large Cobra	Extra-Low
Standard and Minor Collector <sup>1</sup>	25		120	Small Cobra	High
Local Industrial <sup>1</sup>	35		185	Large Cobra	Extra-Low
Local Commercial <sup>1</sup>	25		130	Extra-Small Cobra	High
Local Transitional <sup>1</sup>	25		150	Extra-Small Cobra	Medium
Local Queuing <sup>1</sup>	25		150	Extra-Small Cobra	Medium
Pedestrian Paths	12		60	Extra-Small Cobra	Low
Shared Street	14		Staggered <sup>6</sup>	50	Acorn <sup>5</sup>
Civic Neighborhood					
Standard Arterial	18	Both Sides	85	Pendant	High
Standard Collector	14		110	Acorn	Low
Civic Connector	18		100	Pendant	High
Civic Local	14		120	Acorn	Low
Downtown					
Downtown Boulevard	16	Both Sides	100	Acorn	Medium
Non-Boulevard Streets in Downtown	14		110	Acorn	Low
Rockwood Design District					
Designated Boulevards	18		85	Pendant	High

# Gresham Signal Projects

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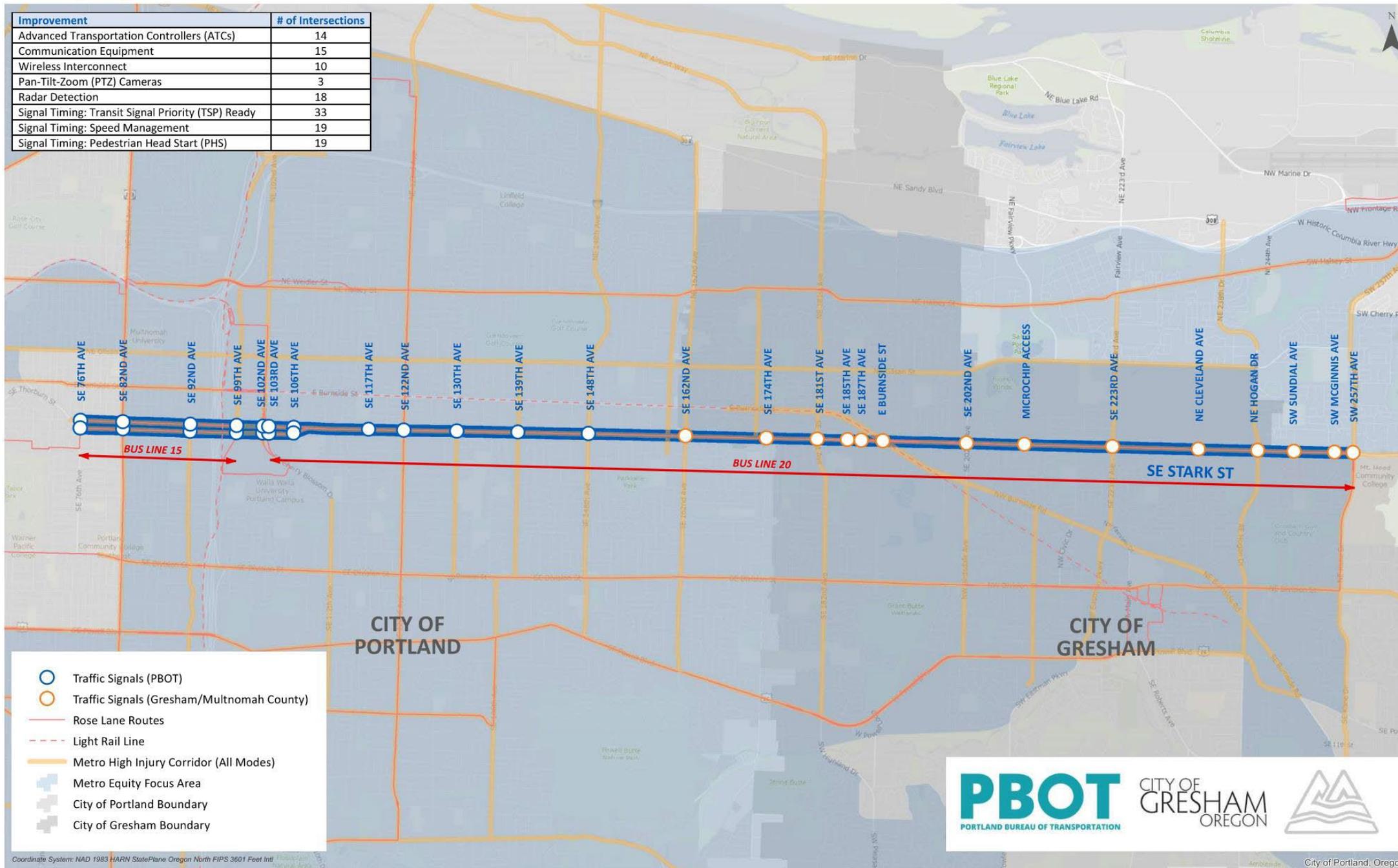
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# Local Traffic Signal Controller Replacement

- Transportation System Management & Operations (TSMO) Funding
- Awarded a joint grant with Portland replacing controllers
- Leading Pedestrian Interval (Pedestrian Head Start)
- Allows new Transit Signal Priority
- Multi-year project replaces signal controllers (~85)



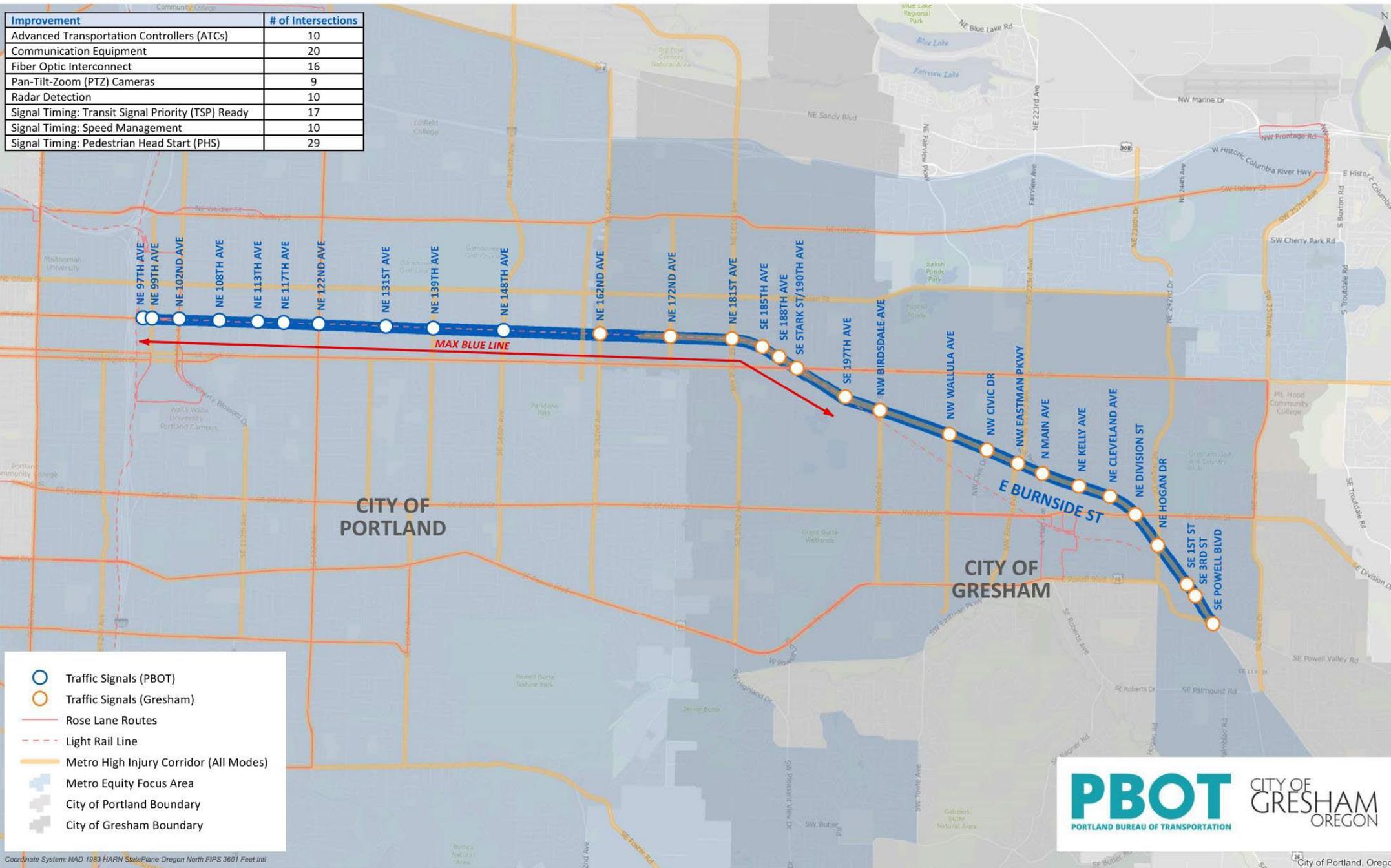
Exhibit 1. Project Map



Coordinate System: NAD 1983 HARN StatePlane Oregon North FIPS 3601 Feet Int)

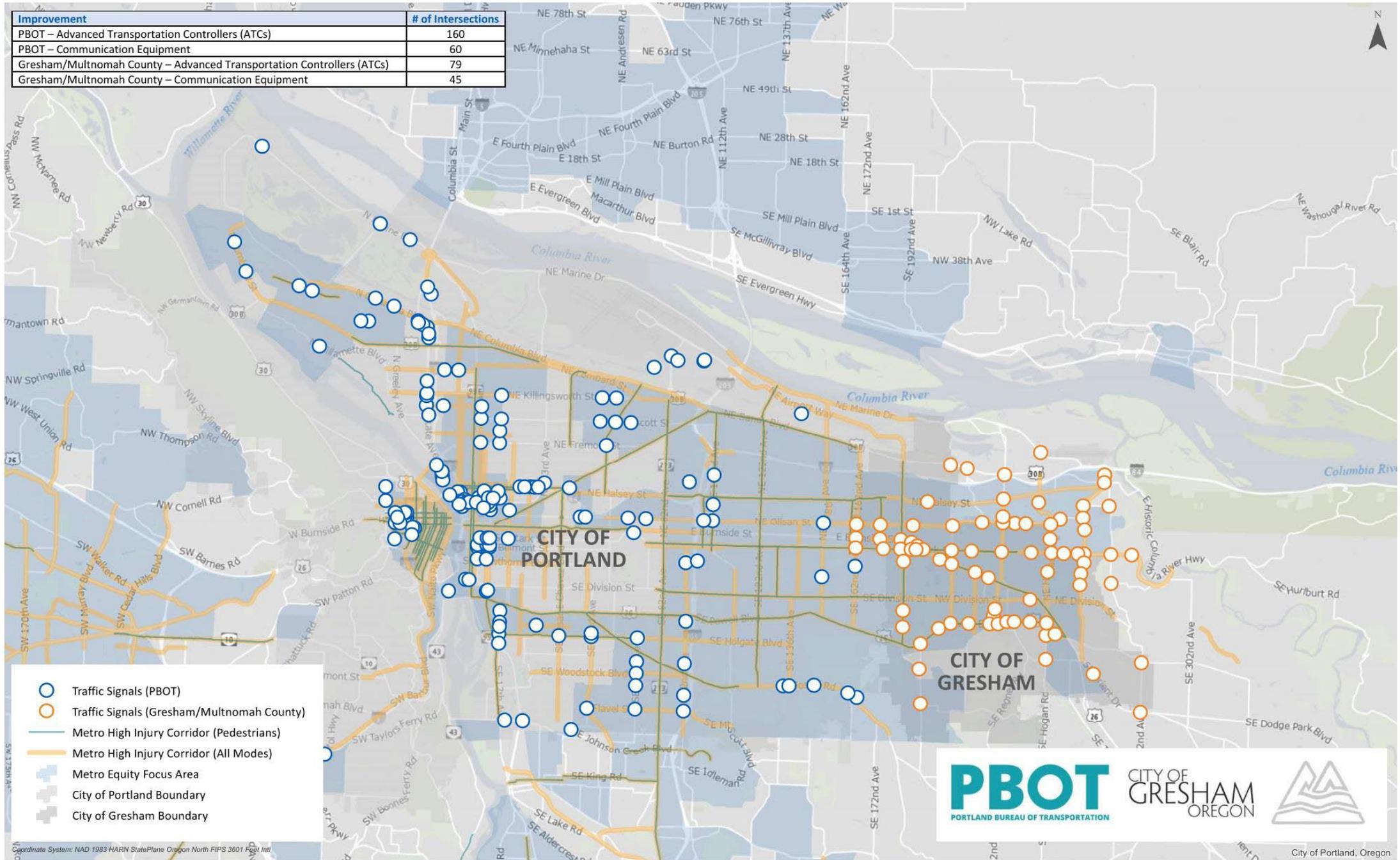


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