

# Gladstone Transportation System Plan Update

Technical Advisory Committee (TAC) Meeting #2  
Thursday, January 5, 2017



# Agenda

- Welcome and Introduction
- Project Update
- Technical Memo #5: Existing Gaps and Deficiencies
- Technical Memo #6: Needs Analysis
- Poster Session
- General Discussion
- Next Steps



# Project Update

- Project Schedule
  - August 2016: Kick-off
  - August – October: Goals and Objectives/Funding Assumptions
  - October – January: Needs and Deficiencies
  - January – April: Potential Solutions
  - April – June: Draft Plan and Financially Constrained Plan
  - June – August: Draft TSP and Implementation Language
  - August – October: Adoption



# Project Overview

- Meetings and Milestones
  - TAC/PAC Meeting #1
  - TAC/PAC Meeting #2
  - Community and Virtual Community Meeting #1 (January 2017)
  - TAC/PAC Meeting #3
  - PC/CC Meeting #1
  - PAC Meeting #4
  - Community and Virtual Community Meeting #2 (May 2017)
  - PC/CC Joint Work Session #1
  - PC/CCC Joint CC/PC Work Session #2
  - PC Adoption Hearings
  - CC Adoption Hearings

# Project Overview

- Major Tasks and Deliverables
  - Tech Memo #1: Policy Framework and Code Review
  - Tech Memo #2: Project Goals and Objectives and Evaluation Criteria
  - Tech Memo #3: TSP Financial Forecast
  - Tech Memo #4: TSP Methodology and Assumptions
  - Tech Memo #5: Existing Transportation System Gaps and Deficiencies
  - Tech Memo #6: Needs Analysis
  - Tech Memo #7: Regulatory Solutions
  - Tech Memo #8: TSP Solutions
  - Tech Memo #9: Planned and Financially Constrained Transportation Systems
  - Policies and Ordinances
  - Draft Updated TSP
  - Final Update TSP

## Tech Memos 5 and 6

- **Tech Memo #5: Existing Gaps and Deficiencies**
  - Provides an inventory of existing transportation facilities and services
  - Identifies existing gaps and deficiencies
  - Identifies essential destinations
  - Serves as a baseline for identifying transportation system needs and identifying potential solutions
- **Tech Memo #6: Needs Analysis**
  - Builds upon tech memos 1-5 to address gaps and deficiencies
  - Projects future land use and transportation system conditions
  - Identifies potential future gaps and deficiencies
  - Provides the technical analysis needed to support potential solutions

## Essential Destinations

- Schools
- Parks
- Multi-use Paths and Trails
- Gladstone Community Club
- Gladstone Senior Center
- Commercial Centers
- Municipal Buildings
- Transit Routes and Stops

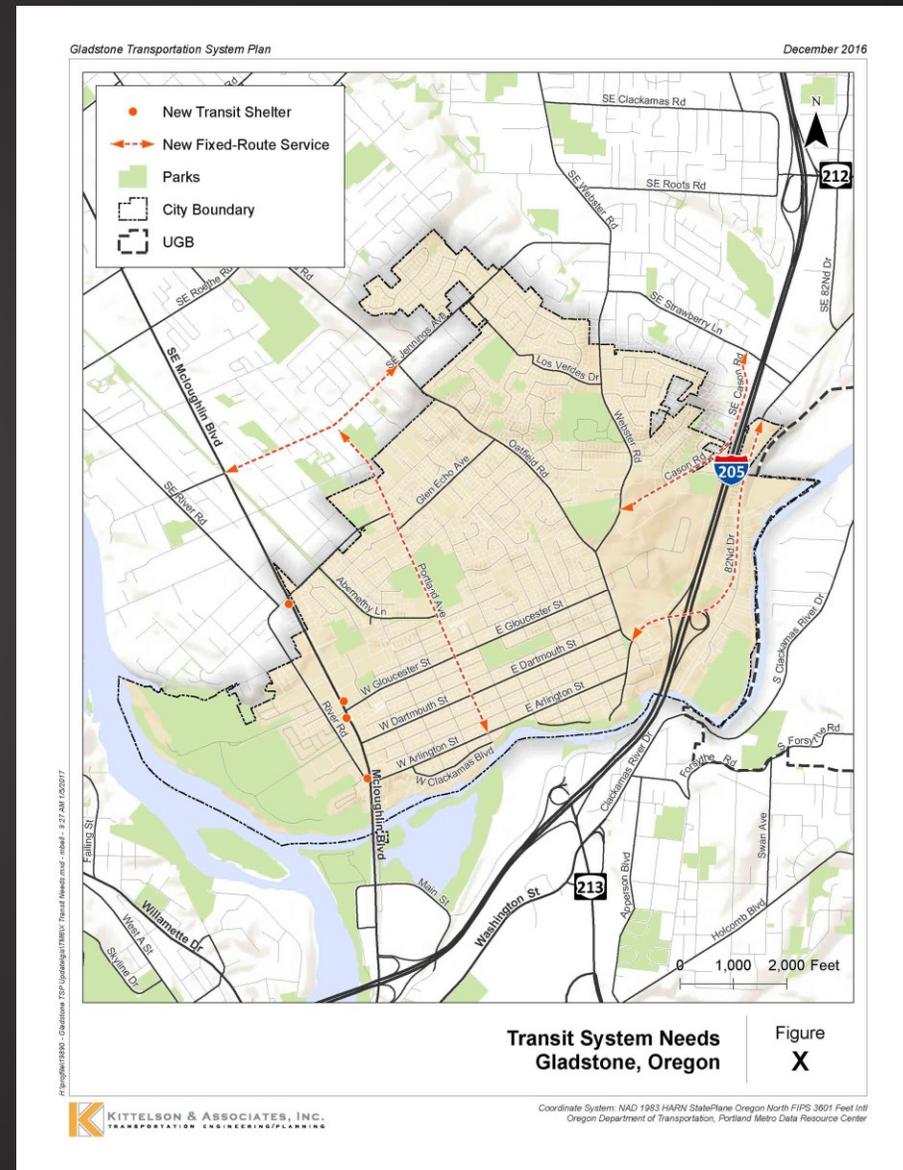
# Public Transit System

- Inventory
  - Transit service providers
  - Fixed-route service
  - Ridership
  - Paratransit Service
  - School bus service
  - Shuttle service
  - Park and Rides
  - Regional Public Transit Facilities
- Gaps and Deficiencies
  - Marketing and awareness of existing public transit facilities and services
  - Frequency of transit service
  - More direct service
  - Park-and-ride facilities
  - Transit shelters
  - Enhancements to Regional Transit Facilities



# Public Transit System

- Level-of-Service Analysis
  - Service Frequency
  - Hours of Service
  - Service Coverage
    - Transit Service
    - Transit Supportive Areas
    - Transit Supportive Areas Served
- Public Transit Needs
  - Additional fixed route service
  - Additional transit stops
  - New shelters and existing transit stops
  - New park-and-ride facility



# Pedestrian System

- Inventory
  - Sidewalks
  - Crosswalks
  - Shared-use Paths and Trails
  - Regional Pedestrian Facilities
- Gaps and Deficiencies
  - Several arterial and collector streets do not provide continuous sidewalks
  - Several local streets do not provide continuous sidewalks
  - Sidewalk gaps limit connectivity between residential areas and essential destinations
  - Many sidewalks are not sufficient to accommodate pedestrian activity
  - Several major (and minor) intersections do not provide marked pedestrian crossings





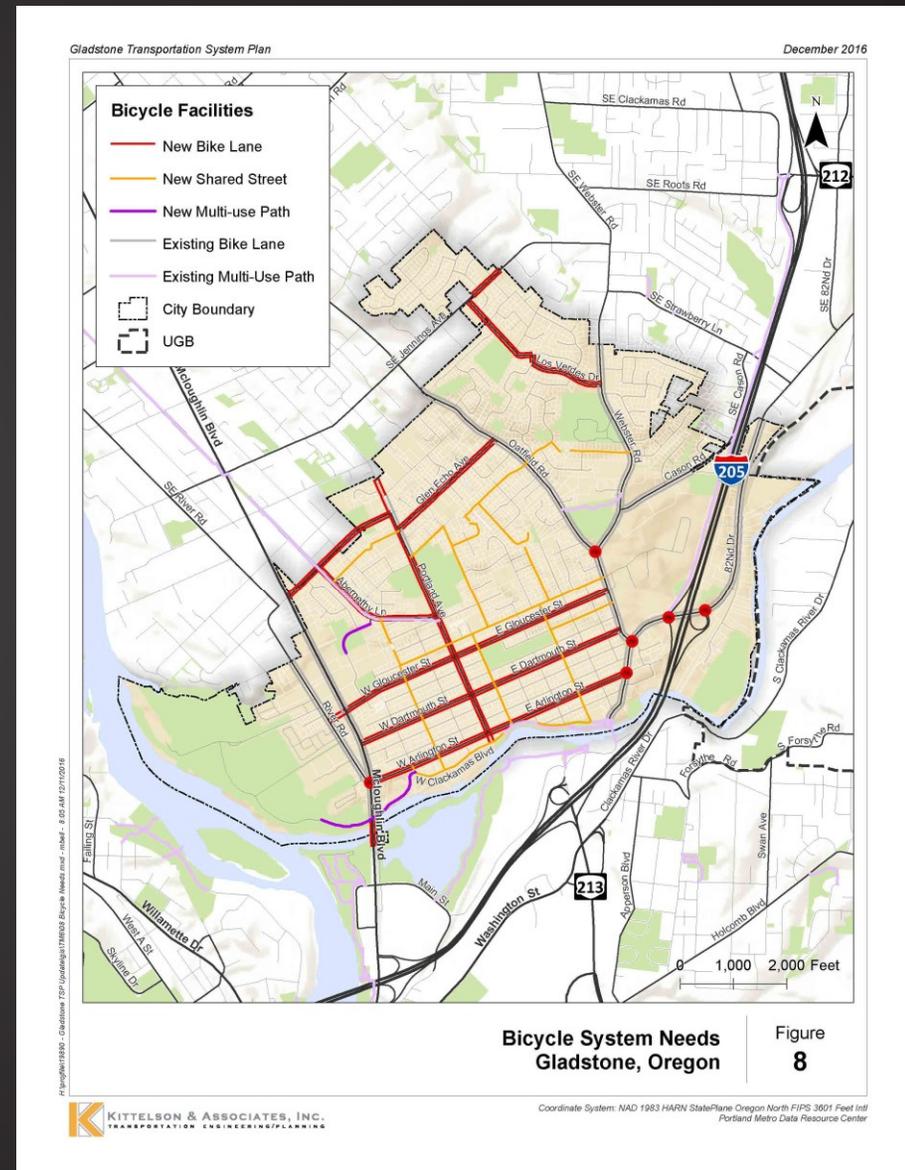
# Bicycle System

- Inventory
  - On-street bike lanes
  - Shoulder bikeways
  - Shared roadways
  - Bicycle crossings
  - Regional bicycle facilities
- Gaps and Deficiencies
  - Several arterial and collector streets do not provide on-street bike lanes
  - Several gaps limit connectivity between residential areas and essential destinations
  - Many bike lanes do not provide sufficient width to accommodate bicycle activity



# Bicycle System

- Bicycle Level of Traffic Stress
  - Speed of the roadways
  - Number of travel lanes per direction
  - Presence and width of on-street bike lanes and/or adjacent parking lane
  - Other factors
- Bicycle System Needs
  - New on-street bike lanes
  - Improvements to existing bike lanes
  - New shared streets
  - New shared-use paths
  - New or enhanced bike crossings



# Motor Vehicle System

- Inventory
  - Jurisdiction and Functional Classification
  - Roadway Characteristics (speed, volume, etc.)
  - Pavement Conditions
  - Traffic Operations and Safety
  - Evacuation and Freight Routes
- Gaps and Deficiencies
  - Several inconsistencies in how different jurisdictions classify streets
  - Several arterial and collector streets do not meet pavement width standards
  - The I-205 NB Ramp Terminal currently exceeds its applicable mobility standard
  - The I-205 SB Ramp Terminal currently exceeds the critical crash rate
  - There are no designated evacuation or freight routes within the City





## Other Systems

- Inventory
  - Rail (Freight Rail, Passenger Rail)
  - Air
  - Water
  - Pipeline (Water, Natural Gas)
- Other System Needs
  - The Rail, Air, and Water needs will be addressed through improvements to the public transit, pedestrian, bicycle, and motor vehicles systems within the City
  - There are no needs associated with pipelines

## Poster Session

- Feedback:
  - Are there any other gaps and/or deficiencies that should be addressed?
  - Do you agree with the transportation system needs?
  - Is there anything that we should add or take away?
  - Are the maps clear and understandable?
  - Questions, comments, concerns?



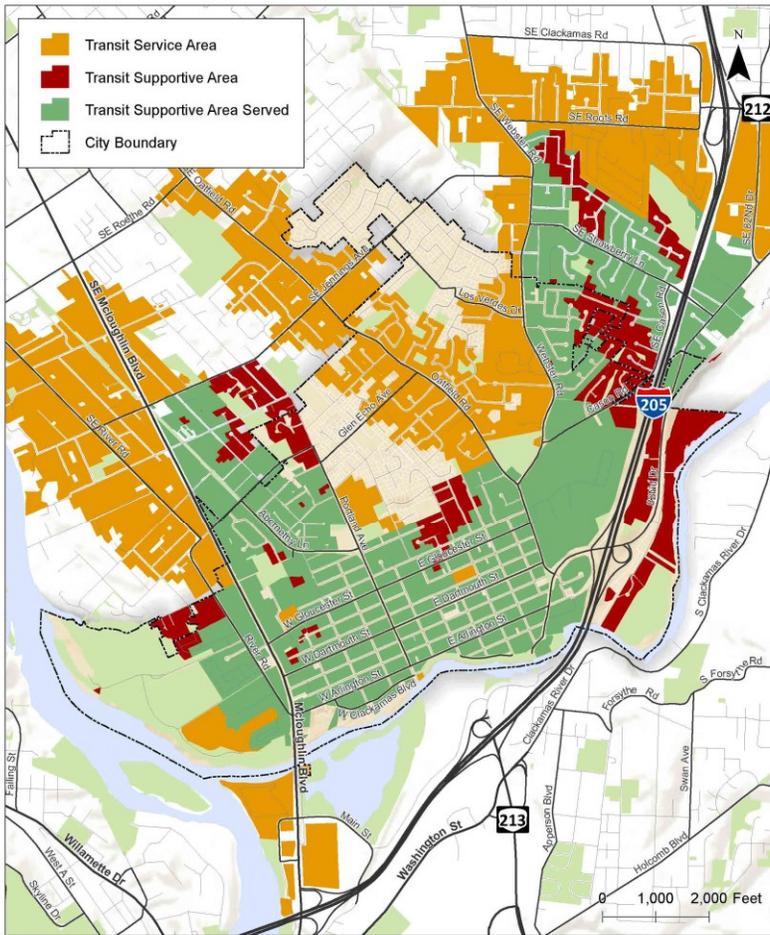
## Next Steps

- Provide comments to Jim or Jacque by Friday January 13<sup>th</sup>
- Upcoming meetings
  - Community Meeting #1: January 12<sup>th</sup> 6:00 to 8:00 PM at the Gladstone Senior Center
  - Virtual Community Meeting #1: January 12<sup>th</sup> through January 26<sup>th</sup> on-line at [www.gladstonetsp.com](http://www.gladstonetsp.com)
  - TAC Meeting #3: February 16<sup>th</sup> 2:00 to 4:00 PM
  - PAC Meeting #3: February 16<sup>th</sup> 6:00 to 8:00 PM

# Transit LOS Analysis Results

Gladstone Transportation System Plan

December 2016



Existing Transit Supportive Areas  
Gladstone, Oregon

Figure  
3

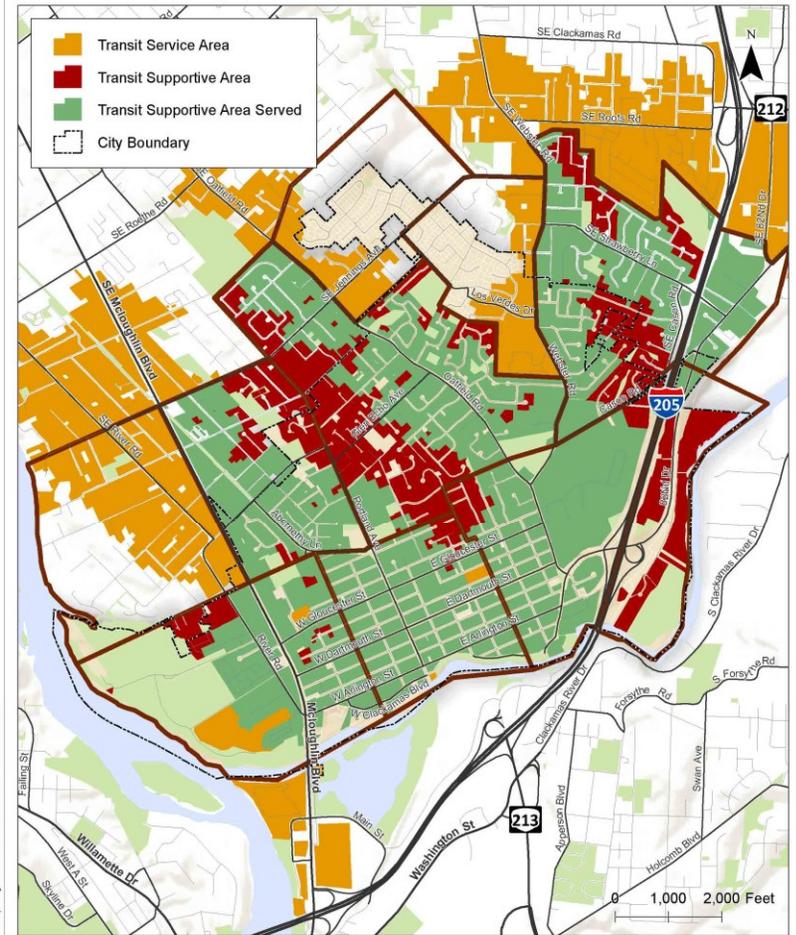
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Coordinate System: NAD 1983 HARN StatePlane Oregon North FIPS 3601 Feet Intl  
Portland Metro Data Resource Center

Gladstone Transportation System Plan

December 2016



Future Transit Supportive Areas  
Gladstone, Oregon

Figure  
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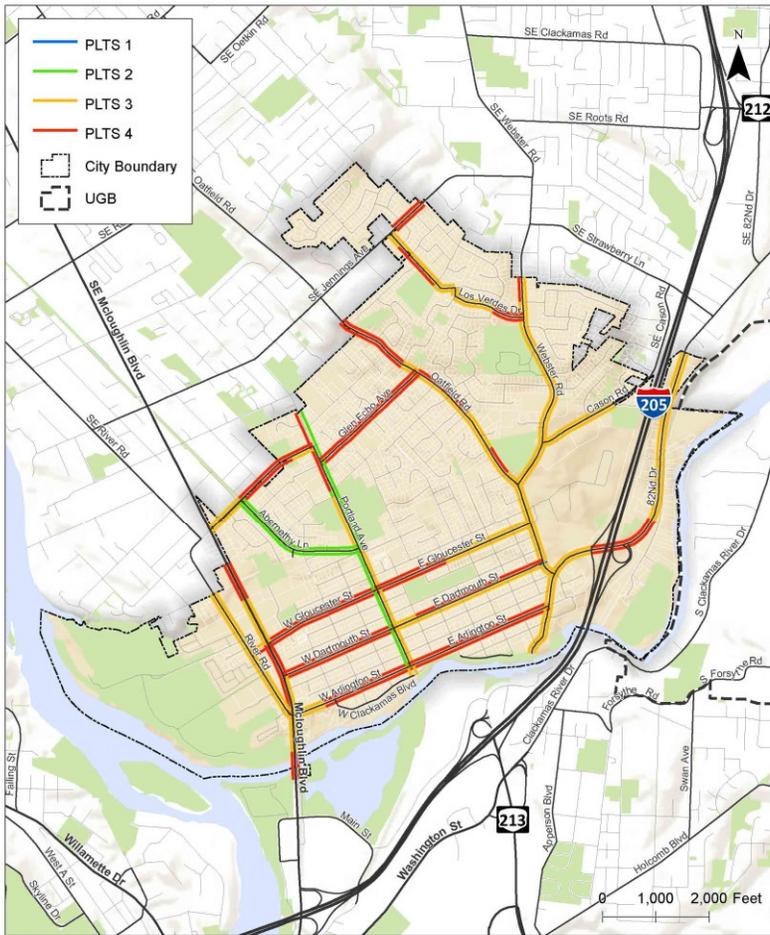
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# PLTS, BLTS Analysis Results

Gladstone Transportation System Plan

December 2016



**Pedestrian Level of Traffic Stress  
Gladstone, Oregon**

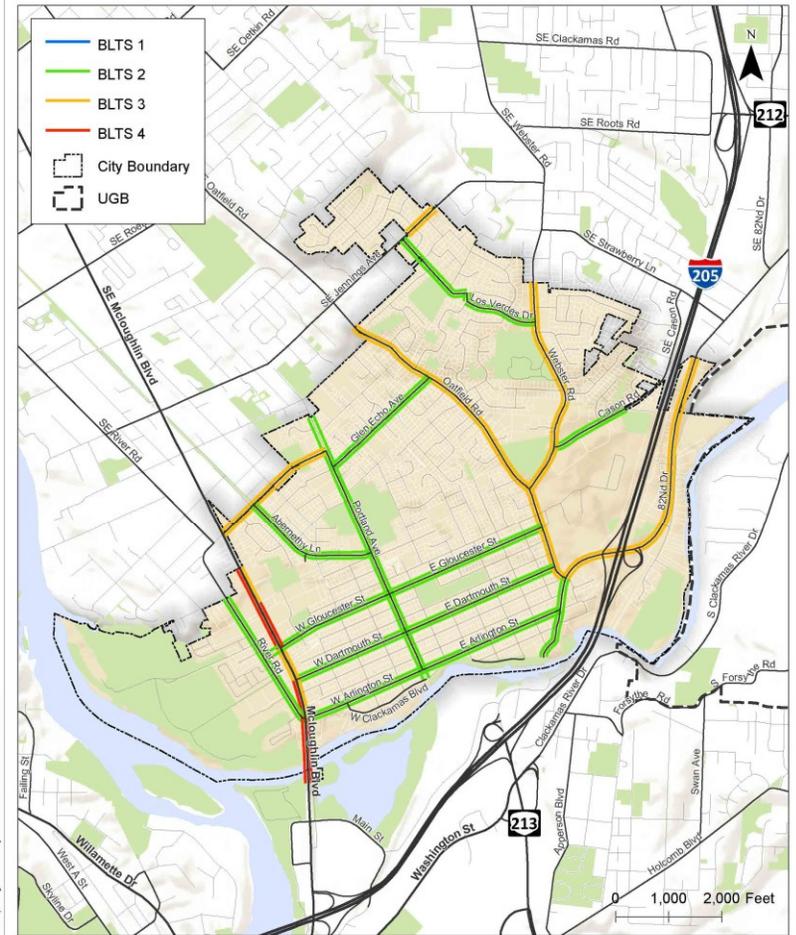
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Gladstone Transportation System Plan

December 2016



**Bicycle Level of Traffic Stress  
Gladstone, Oregon**

**Figure  
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