



City of Tualatin

Project Screening Results

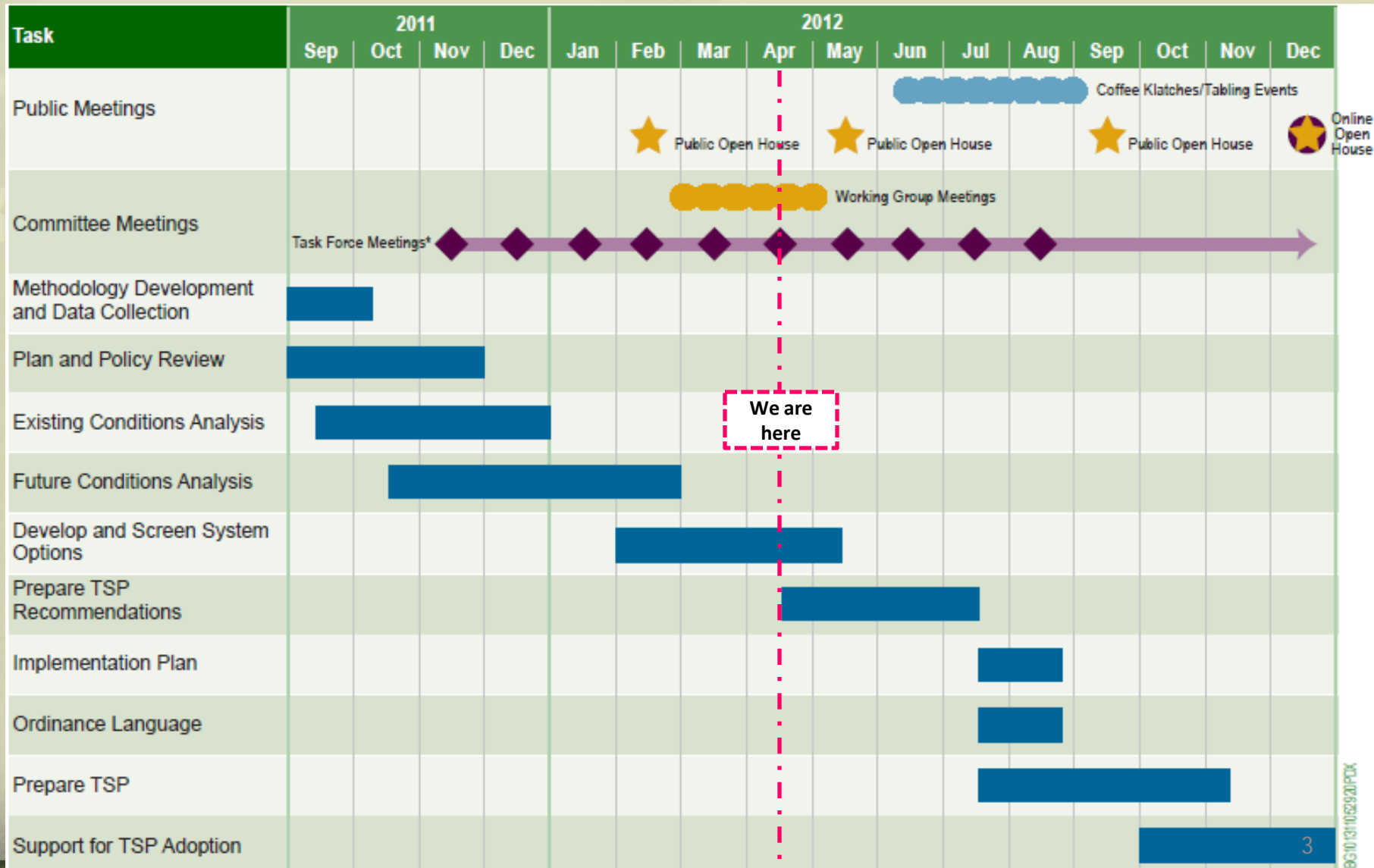
Tualatin TSP

Presentation to
Tualatin Transportation Task Force
April 19, 2012

Presentation Outline

- What is the Screening Process?
- Screening Results
 - Bicycle and Pedestrian
 - Downtown
 - Neighborhood Livability
 - Major Corridors and Intersections
 - Transit
 - Industrial and Freight
- Next Steps

Tualatin's TSP Timeline



What Progress Have we Made?

- Remember March's theme?
 - "Generating a long list of potential project ideas"
- By April 1, the City collected a total of **248** preliminary project ideas from:
 - The first round of working groups (Feb/March)
 - The first TSP open house (Feb)
 - Online comment map and website
 - You! At March 15th Task Force Workshop
 - Ideas from various small group discussions (CIO meetings, Allied Waste, Chamber of Commerce gathering, city staff)

From Long List, We Screen...

- Screening helps us:
 1. Form a feasible set of project ideas to move into evaluation
 2. Organize project ideas into different “bins”
 - Project ideas to be evaluated for the TSP
 - Project ideas to be forwarded to others:
 - Other agencies
 - Other departments within the City of Tualatin
 - Projects that do not address a need and/or are not feasible to construct

Tualatin's TSP Process



What is a Feasible Idea?

- Our screening questions:
 1. Is the project **transportation related**, and does it address a known transportation deficiency or opportunity?
 2. Is it within the City? Is it **within the city's control** to implement?
 3. Is it **technically feasible** to build this project?*
 4. Is the idea **cost prohibitive**? Are there more cost effective ways of addressing the same need?

* We used basic engineering design requirements to assess technical feasibility. Projects were removed only if they were nowhere close to meeting design requirements or were thought to make the identified need *worse* than forecasted under the no build analysis.

The Screening Process

- Second round of working group meetings (March/April)
- Participants were asked to provide input on feasibility of project ideas
 - Red - not feasible
 - Yellow - not sure and/or have questions
 - Green - feasible - move forward into evaluation
- Comments recorded for all red cards
- Engineering team used working group notes to assess feasibility of project ideas



Screening Results

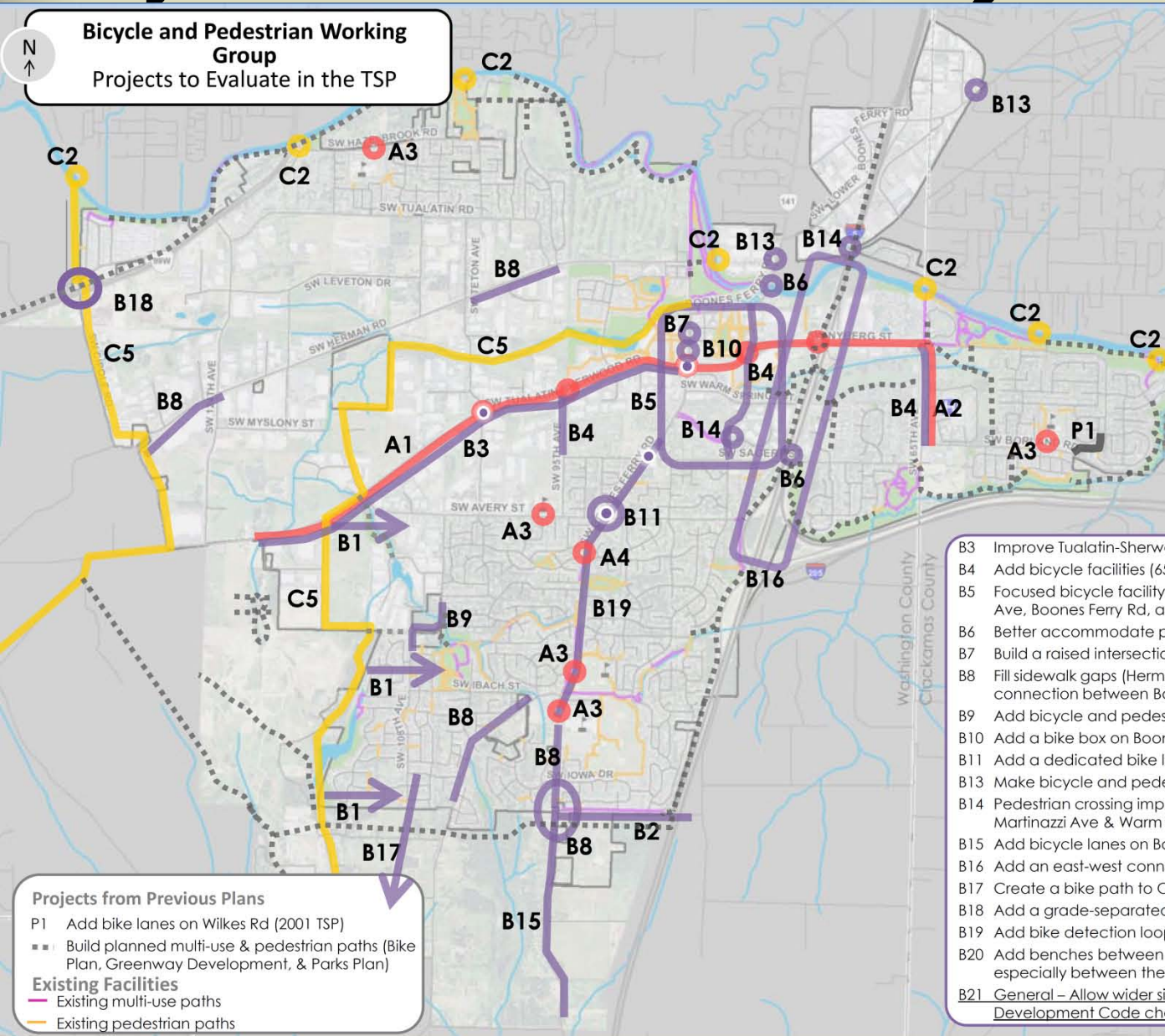
By Working Group
Topic Area



Bicycle/Pedestrian

Bicycle and Pedestrian - Projects to Evaluate

Bicycle and Pedestrian Working Group Projects to Evaluate in the TSP



Safety-Focused Ideas

- A1 Add pedestrian-focused crossing improvements at key crossings of Tualatin-Sherwood Rd & Nyberg St
- A2 Separate walking/bike area with plantings or barriers on 65th Ave between Borland Rd and Nyberg Ln including adding bicycle/pedestrian facilities on the bridge at 65th Ave
- A3 Improve visibility and safety near schools at crosswalks
- A4 Improve visibility at crosswalk at Siletz Dr & Boones Ferry Rd
- A6 General - Add wayfinding signs for Safe Routes to School

Trail-Focused Ideas

- C2 Build bridges for pedestrian and bicycle access over the Tualatin River
- C4 Create a system of bicycle boulevards (Bikeways on lower-volume streets) connecting all major areas including residential areas (Not on map)
- C5 Tonquin Trail

Facility-Focused Ideas

- B1 Connect Tonquin trail with neighborhoods
- B2 Add sidewalks & bicycle lanes on Norwood Rd
- B3 Improve Tualatin-Sherwood Rd to make it more bicycle and pedestrian friendly
- B4 Add bicycle facilities (65th Ave near the hospital, 95th Ave and Martinazzi Ave)
- B5 Focused bicycle facility improvements in heart of downtown, including Martinazzi Ave, Boones Ferry Rd, and Tualatin-Sherwood Rd
- B6 Better accommodate pedestrians on the bridges
- B7 Build a raised intersection at Seneca and Nyberg (crossing Boones Ferry Rd)
- B8 Fill sidewalk gaps (Herman Rd, Grahams Ferry Rd, Boones Ferry Rd, and the connection between Boones Ferry Rd and Norwood Rd)
- B9 Add bicycle and pedestrian facilities on 105th Ave, Blake St, 108th Ave
- B10 Add a bike box on Boones Ferry Rd near the Sweek House
- B11 Add a dedicated bike lane through intersection at Avery St & Boones Ferry Rd
- B13 Make bicycle and pedestrian facility improvements at railroad crossings
- B14 Pedestrian crossing improvements (Tualatin View Apartments, Boones Ferry Rd; Martinazzi Ave & Warm Springs St)
- B15 Add bicycle lanes on Boones Ferry Rd to Day Rd
- B16 Add an east-west connection across I-5
- B17 Create a bike path to Old Town Sherwood as this area develops
- B18 Add a grade-separated crossing over 99W
- B19 Add bike detection loops at major intersections (indicated by ●)
- B20 Add benches between residential and commercial areas throughout the city, especially between the Heritage Center and Haggens (not on map)
- B21 General - Allow wider sidewalks for strolling and outdoor cafes. (Potential Tualatin Development Code change)

Bicycle and Pedestrian - Ideas Screened Out

ID	Project	Based on what screening question?	Action to be taken
A5	Improve lighting at Jurgens Rd and Hazelbrook Rd	1 (transportation related, addressing an identified need)	Forward to engineering
B1	Add a pedestrian overcrossing between the Community park and Tualatin Commons	1 (transportation related), 4 (cost)	Consider upon future development
C3	Add a pedestrian shortcut between Hazelbrook Rd and 99W	1 (addressing an identified need)	Consider if a future development occurs at this location



Bicycle/Pedestrian

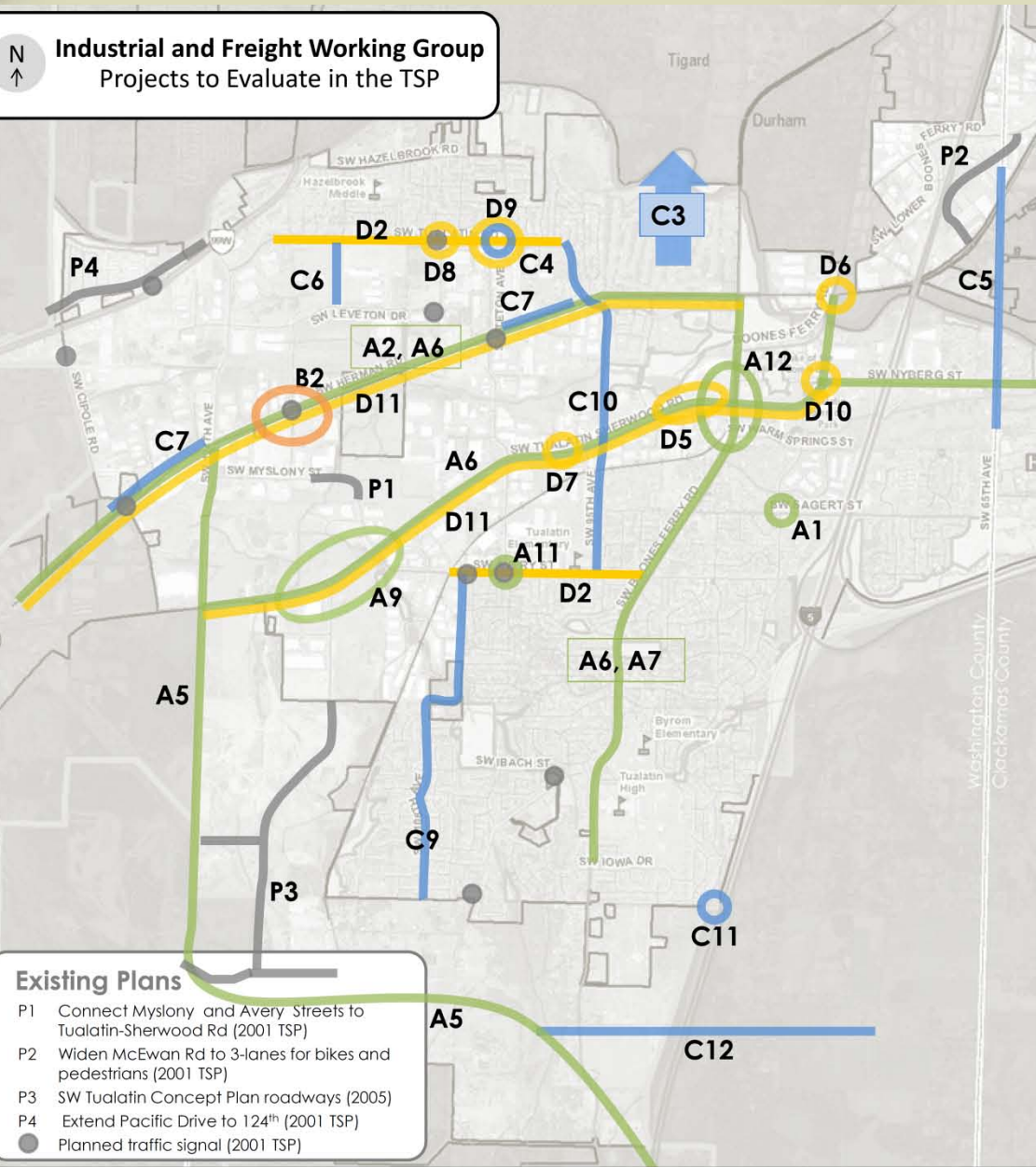
Discussion



Industrial and Freight

Industrial and Freight - Projects to Evaluate

Industrial and Freight Working Group Projects to Evaluate in the TSP



Congestion-Focused Ideas

- A1 Add a signal or roundabout at Sagert St and Martinazzi Ave
- A2 Divert truck traffic from Tualatin Rd to Herman Rd
- A5 Extend 124th Ave and connect to I-5 south of Tualatin
- A6 Provide coordinated signal timing and access management along major arterials. Restrict trucks to right lane. Widen travel lanes.
- A7 Widen Boones Ferry Rd. Remove right turn light at Tualatin-Sherwood Rd. Remove right turn light in the northbound direction on Boones Ferry Rd.
- A9 Improvements to help mobility of through-traffic (Tualatin-Sherwood Rd)
- A11 Improve turn radius at Avery St and Teton Ave, look at congestion
- A12 Synchronize turn signals to/from Boones Ferry Rd to Tualatin-Sherwood Rd; coordinate with the train signal

Transit-Focused Ideas

- B1 General - Add Saturday, Sunday, late evening transit shuttle
- B2 Add rail station with easy offload and access for industry
- B3 General - Provide local loop bus

Connectivity-Focused Ideas

- C3 North-south connection to Hall Blvd. Look for ways to provide north-south connectivity over Tualatin River for vehicles
- C4 Add a left turn from Teton Ave to Tualatin Rd
- C5 Extend 65th Ave north
- C6 Improve 115th Ave
- C7 Improve cross-section on Herman Rd
- C9 Balance the needs of neighborhood with local truck movement along 108th/105th Aves. Consider removing trucks/adding truck info signs.
- C10 Extend 95th Ave north to Tualatin Rd
- C11 Add an interchange on I-5 at Norwood Rd
- C12 Create an east/west connection across I-5 (near Greenhill Rd)

Other Ideas

- D1 General - Coordinate freight receiving/shipping times
- D2 Add vision & sound walls; reduce cut-through traffic.
- D3 General - Improve safety and reduce congestion by education and incentivizing telecommuting
- D5 Add a lane on Tualatin-Sherwood Rd to Fred Meyer, better lane signage for I-5. Add traffic camera for red light violations.
- D6 Improve signs to direct traffic to correct street
- D7 Add traffic signal at 97th Ave and Tualatin-Sherwood Rd
- D8 Improve visibility, restrict left turns from 108th Ave onto Tualatin Rd
- D9 Add a signal at Tualatin Rd and Teton Ave/Jurgens Rd
- D10 Improve Tualatin-Sherwood Rd/Martinazzi Ave signal timing/add a red light camera
- D11 Encourage off-peak usage on Herman Rd and Tualatin-Sherwood Rd
- D12 General - Make "Truck Route" signs larger

Industrial and Freight - Ideas Screened Out

ID	Project Idea	Based on what screening question?	Action to be taken
A3	Provide an undercrossing for Nyberg through traffic under I-5 to avoid signal/conflicts. Create an urban interchange	2 (ability to implement), 4 (cost)	None
A4	Reconsider the connection between 99W and Tualatin-Sherwood Rd (note: in Sherwood)	2 (ability to implement)	Forward to City of Sherwood
A8	Close 90th Ave to 18-wheel trucks	1 (addressing a transportation problem)	Reassess during review of functional classification plan
A10	Create a loop road around central downtown, with a turn radius that works for trucks	1 (addressing a transportation problem), 4 (cost)	None
B3	General – Provide bus from Clackamas MAX stop to WES for employees	1 (addressing a transportation problem)	Forward to TriMet

Industrial and Freight - Ideas Screened Out (cont'd)

ID	Project Idea	Based on what screening question?	Action to be taken
C1	Add connection and entry to I-205	3 (technical feasibility)	None
C2	Provide direct connection between Herman Rd & Boones Ferry Rd. Consider a tunnel	2 (ability to implement), 4 (cost)	None
C1	Add interchange at Norwood Road	3 (technical feasibility)	None
D4	Move industrial area to the SW area, change to multi-family residential, or buffer existing neighborhood better from industrial area	1 (transportation-related)	Forward to Planning



Industrial and Freight

Discussion



Neighborhood Livability

Neighborhood Livability - Ideas Screened Out

ID	Project	Based on what screening question?	Action to be taken
A2	Improve lighting on Hazelbrook Rd	1 (transportation-related)	Forward to Engineering
A7	Improve sight distance and reduce speeds at Boones Ferry Rd and Arapaho Rd	1 (does not address a transportation problem)	Forward to Engineering
A10	Require a stop before vehicles turn right onto Boones Ferry Rd between Mohawk St and Greenhill Lane	3 (technical feasibility)	None
B7	Add two right turns onto I-5 northbound from Nyberg St	2 (ability to implement)	Forward to ODOT
C4	Add I-5 Interchange with Norwood Rd	3 (technical feasibility)	None
C5	Limit Siletz to exit only at Boones Ferry Rd and 105 th Ave to minimize cut-through traffic.	1 (not included in TSP analysis)	Revisit upon completion of Boones Ferry Road analysis and recommendations
D1	Consider a pedestrian overcrossing on Boones Ferry Rd	4 (cost)	Assess more effective, lower cost solutions to pedestrian safety

Neighborhood Livability - Ideas Screened Out (Cont.)

ID	Project	Based on what screening question?	Action to be taken
F1	Consider ways to lessen noise from 99W and I-5 on nearby residences	1 (transportation related)	Forward to Engineering
F3	Intersection of Ibach/Grahams Ferry is confusing; rename road or better signs; need better lighting	1 (transportation related, addressing a transportation problem)	Forward to Engineering
F4	General – Add gateway signs to announce CIOs	1 (transportation related)	Forward to CIOs
F5	Move industrial area to the SW area (no direct truck route), change to multifamily residential, or buffer existing neighborhood better from industrial area	1 (transportation related)	Forward to Planning
F6	Create small, neighborhood commercial for residents to walk to	1 (transportation related)	Forward to Planning



Neighborhood Livability

Discussion



Major Corridors and Intersections

Major Corridors - Ideas Screened Out

ID	Project	Based on what screening question?	Action to be taken
A7	Improve sight distance and reduce speeds at Boones Ferry Rd and Arapaho Rd	1 (does not address a transportation problem)	Forward to Engineering
B4	Consider a traffic loop in downtown (one way, right turn only)	1 (addressing a transportation problem), 4 (cost)	Look at other options to address downtown circulation
B7	Consider removing ramp signals at Nyberg interchange	1 (does not address a transportation problem), 2 (Ability to Implement)	Look at other options to address congestion at Nyberg interchange
B1	Consider redesigning the Nyberg interchange into a full cloverleaf	2 (ability to implement), 4 (cost)	Look at other options to address congestion at Nyberg interchange
B1	Add a southbound left turn and right turn lane to Nyberg interchange	1 (does not address a transportation problem), 4 (cost)	Look at other options to address congestion at Nyberg interchange
B1	Restrict trucks to right lane, widen travel lanes	2 (ability to implement)	None

Major Corridors - Ideas Screened Out (cont'd)

ID	Project	Based on what screening question?	Action to be taken
B25	Limit access and grade separate the intersection of Tualatin-Sherwood Rd and Boones Ferry Rd	1 (addressing a transportation problem), 4 (cost)	None
C3	Construct a new road between Tualatin High School and Byrom Elementary School	1 (does not address a transportation problem)	Look at other options to address school congestion
C5	Improve intersection at 99W and Tualatin Rd	1 (does not address a transportation problem)	None
C6	Extend Tualatin Rd to Lower Boones Ferry Rd	3 (technical feasibility)	None
C8	Add on/off ramps from I-5 to Norwood Rd	3 (technical feasibility)	None
C9	Widen Sagert St to 2 lanes each way with pedestrian median	1 (does not address a transportation problem)	None

Major Corridors - Ideas Screened Out (cont'd)

ID	Project	Based on what screening question?	Action to be taken
C10	Extend Helenius Road (Grahams Ferry Rd to Norwood Rd)	3 (technical feasibility)	None
C11	Create street grid in Bridgeport	1 (does not address a transportation problem), 2 (ability to implement)	None
D3	Tualatin-Sherwood Rd/Martinazzi Ave – Adjust signal timing, add a red light camera	2 (ability to implement)	Forward to Washington County – potential project already underway
D4	Adjust signal Timing	2 (ability to implement)	Forward to Washington County – potential project already underway



Major Corridors and Intersections

Discussion



Transit

Transit - Ideas Screened Out

ID	Project	Screening Question	Moving forward into evaluation?
A9	Add bus line from Yamhill Transit District to WES	2 (Ability to Implement)	Forward to Yamhill Transit District and TriMet
A11	General –leave TriMet service area	3 (Technical Feasibility)	Assess ability to improve transit service in Tualatin first, and then reconsider the need for this idea
A15	Provide transit service to Lake Oswego	1 (Addressing a need)	None
B1	Eliminate freight rail trips during rush hours, to avoid interrupting bus and WES service	2 (Ability to implement)	Participate in future regional discussions around increasing WES frequency (B3)
B3	Increase WES frequency	2 (Ability to implement)	Participate in future regional discussions around increasing WES frequency
B5	Extend WES to Salem	2 (Ability to implement)	Participate in future regional discussions on this topic

Transit - Ideas Screened Out (Cont.)

ID	Project	Screening Question	Moving forward into evaluation?
B6	Oregon Passenger Rail between Portland and Eugene	2 (Ability to implement)	Participate in future regional discussions on this topic
B7	SW corridor High Capacity Transit	2 (Ability to implement)	Participate in ongoing regional discussions on this topic
B8	Add a WES Station in south Tualatin	1 (Addressing a need)	Reconsider upon future buildout of Basalt Creek area
B9	General – Add more spaces for bicycles on WES trains	2 (Ability to implement)	Forward to TriMet
B11	Follow the existing rail line with High Capacity Transit	2 (Ability to implement)	Forward to Metro for ongoing SW Corridor and other regional transit discussions



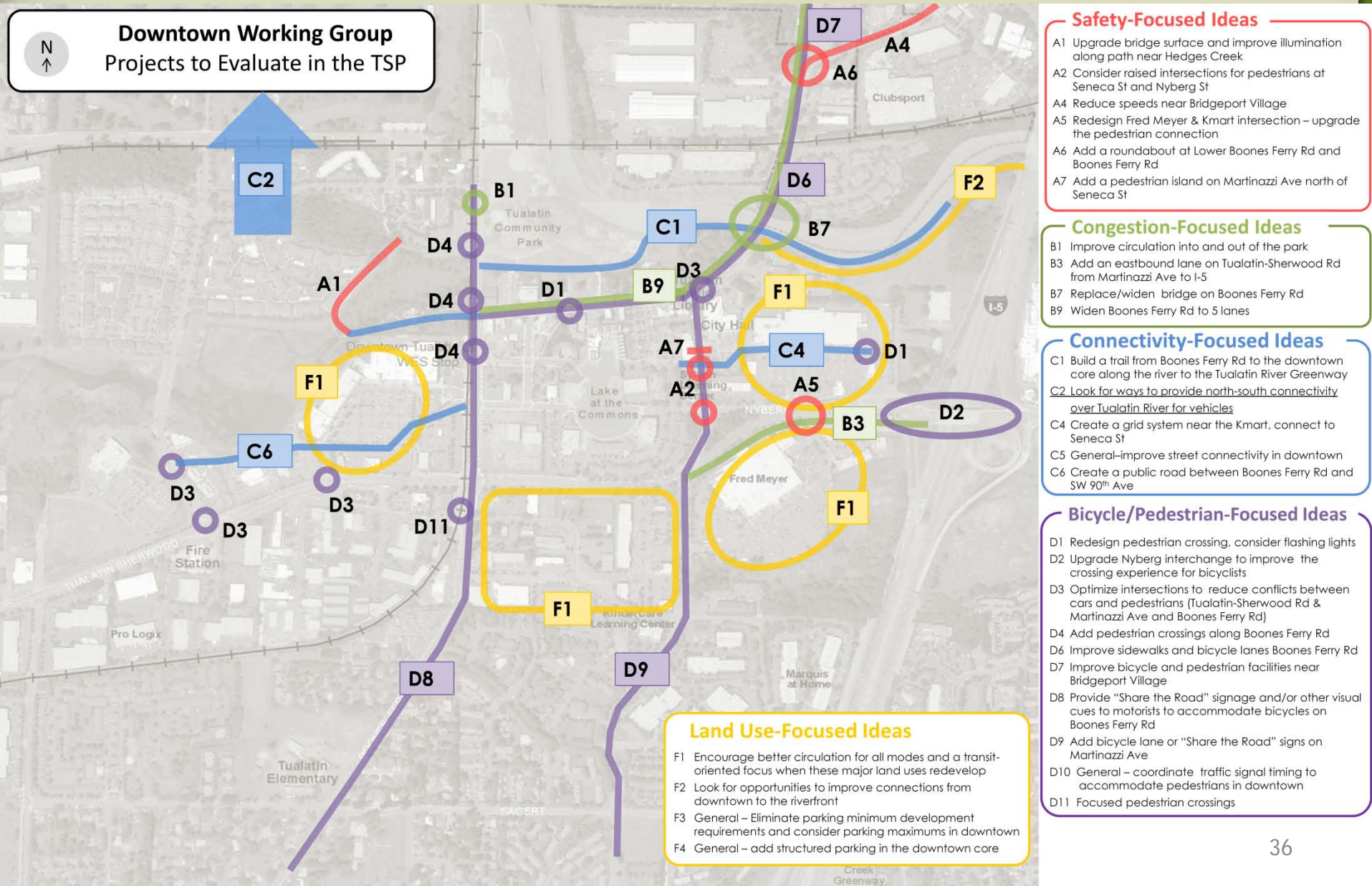
Transit

Discussion



Downtown

Downtown - Projects to Evaluate



Downtown - Ideas Screened Out

ID	Project	Based on what screening question?	Action to be taken
A3	Add a grade separated railroad crossing on Tualatin-Sherwood Rd	1 (addressing a transportation problem), 4 (cost)	None
B2	Provide secondary exit from park, and provide additional parking	3 (technical feasibility)	Look at other options to improve circulation at park
B4	Add a travel lane on I-5 northbound (between Tualatin and OR 217)	2 (ability to implement)	Forward to ODOT
B5	Create a one-way circulator loop roadway around downtown	1 (addressing a transportation problem), 4 (cost)	Look at other options to address downtown circulation
B6	Reduce ambient noise along Boones Ferry Rd in downtown	1 (transportation-related)	None

Downtown - Projects to Screen (Cont.)

ID	Project	Based on what screening question?	Action to be taken
B8	Add HOV lanes on Tualatin-Sherwood Rd	2 (ability to implement), 3 (technical feasibility)	None
C3	Connect Nyberg Rd through the Commons	1 (addressing a transportation need)	Look at other options to address downtown circulation
C7	Extend Lower Boones Ferry Rd across Tualatin River	3 (technical feasibility)	None
D5	Create a pedestrian skybridge that connects downtown retail businesses and the park	1 (transportation-related), 4 (cost)	Consider upon future development



Downtown

Discussion

In Summary

- We started with **248** project ideas
- Of the **60** ideas proposed to be screened out...
 - 19 to be forwarded to other agencies or City departments
 - 6 to be reconsidered again in the future
 - 6 will be considered as part of regional conversations
 - 4 will be woven into other project ideas being evaluated

Next Steps

No.	Action	Timing
1.	Discuss results of TTF screening process with City Council	April 23
2.	Evaluate feasible project ideas	Late April through mid May
3.	Discuss evaluation results with Task Force	May 24
4.	Hold 3 rd round of working groups to develop preliminary recommendations	June 4 – June 14
5.	Discuss preliminary recommendations with Task Force	June 21
6.	Public outreach on preliminary recommendations	Late June through August

Next Steps





Thank You