



City of Tualatin
**Preliminary
Recommendations**

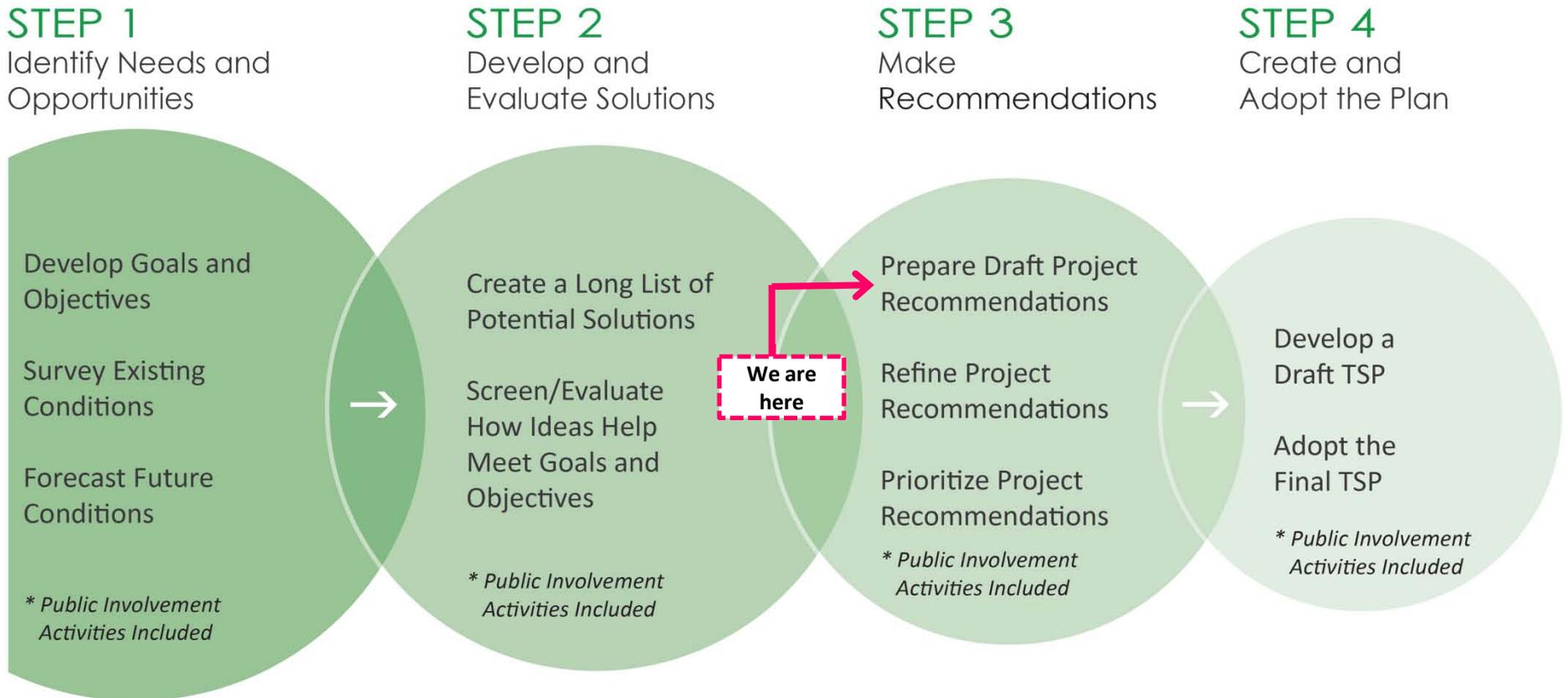
Tualatin TSP

Presentation to
Tualatin Transportation Task Force
June 21, 2012

Presentation Outline

- An Overview
- Discussion of Recommendations by Working Group Topic Area
 - Bicycle and Pedestrian
 - Downtown
 - Industrial and Freight
 - Major Corridors and Intersections
 - Neighborhood Livability
 - Transit
- Next Steps

Where We Are In the TSP Process



Progress Since our May 24th Meeting...

1. Discussed project evaluations with
 - ✓ Planning Commission
 - ✓ TPARK
 - ✓ Working Groups
2. Refined evaluations based on feedback
3. Prepared preliminary recommendations

Working Group Meetings, Round 3

No.	Working Group	Date	No. Attendees
1.	Downtown	June 4	16
2.	Transit	June 5	14
3.	Bicycle and Pedestrian	June 6	6
4.	Industrial and Freight	June 13 (lunchtime)	5
5.	Neighborhood Livability	June 13 (evening)	12
6.	Major Corridors	June 14	18

Structure of Working Group Meetings

- Present evaluation results (project by project) as a large group
- Discuss evaluation results in a small group format
- Provide feedback on recommended projects
 - ✓ **Green dots** = project provides greatest value to the community
 - ✓ **Red dots** = project should not be included in TSP

Organization of Recommendations

Description	Recommendation
What projects make sense to include in TSP?	Yes
What projects make some sense, but are not cost effective on their own?	Only with urban upgrade
What projects <i>don't</i> make sense, and shouldn't be included in TSP?	No
What projects need additional analysis before we decide	Refinement Topic Area <u>or</u> Needs Refinement

Your Role Tonight

1. Do you agree with these preliminary recommendations?
2. If not, why not?
3. What additional analysis does the technical team need to do?

Refinement Topic Areas

1. Tualatin-Sherwood Road Options
2. Nyberg Interchange Options
3. Boones Ferry Road Options
4. North to South Connectivity
5. Herman Road and Tualatin Road Options
6. Tualatin's Downtown Circulation



Preliminary Recommendations

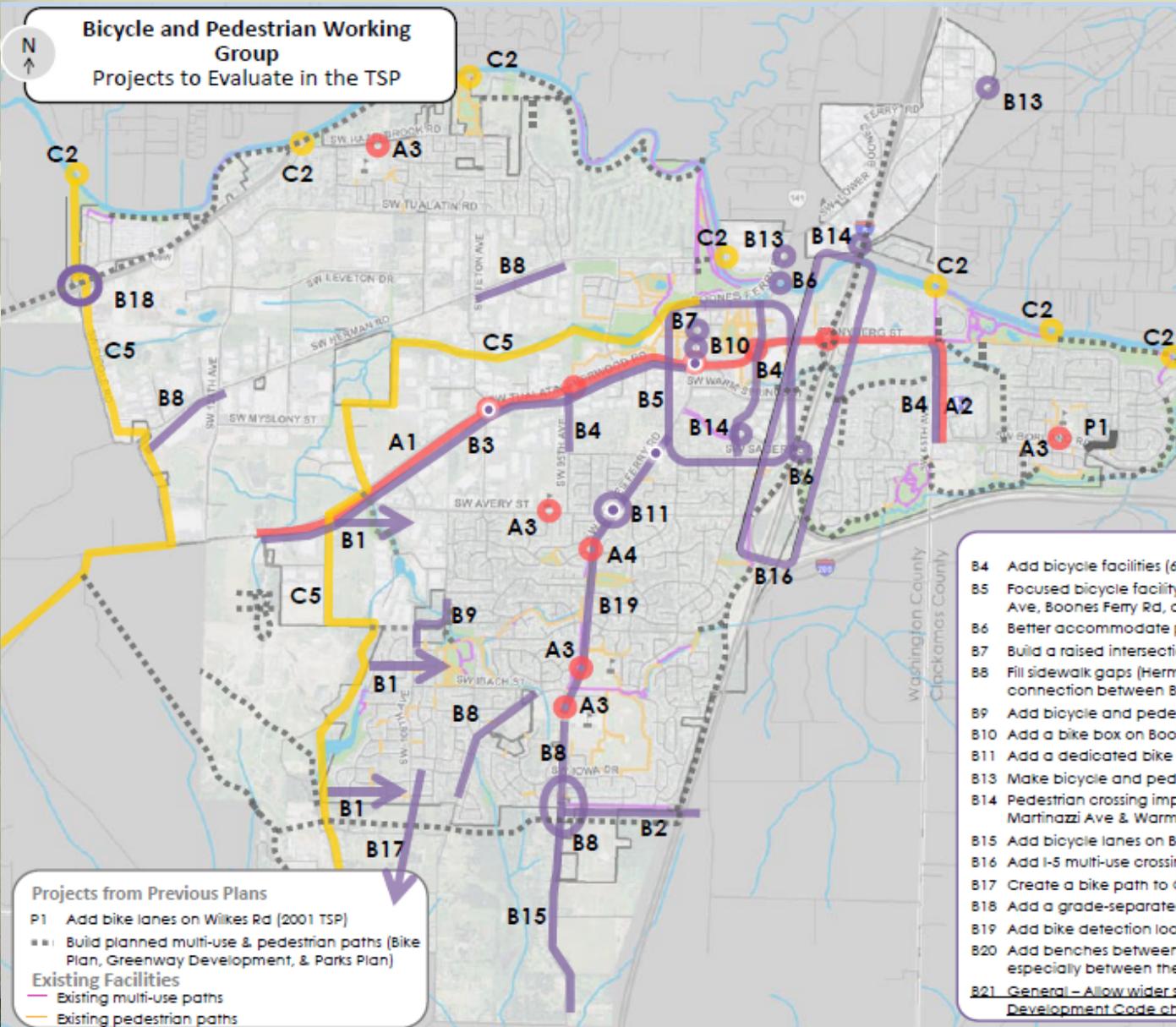
By Working Group
Topic Area



Bicycle/Pedestrian

Bicycle and Pedestrian

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 Multi-use path between Borland Rd and Nyberg Ln
- A3 Improve visibility and safety near schools at crosswalks
- A4 Improve visibility at crosswalk at Siletz Dr & Boones Ferry Rd
- A6 General – Provide 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 I-5 multi-use crossing – connect to existing multi-use paths
- 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)

Projects from Previous Plans

- P1 Add bike lanes on Wilkes Rd (2001 TSP)
- Build planned multi-use & pedestrian paths (Bike Plan, Greenway Development, & Parks Plan)

Existing Facilities

- Existing multi-use paths
- Existing pedestrian paths

Projects to Forward into the TSP

No.	Project Description
A1	Add ped crossing treatments at key locations on Tualatin-Sherwood, Nyberg
A2	Multi-use path on 65th Ave between Borland and Nyberg
A3	Improve visibility and safety near schools at crosswalks
A4	Improve visibility at crosswalk at Siletz Dr and Boones Ferry Rd
A6	Provide wayfinding for Safe Routes to School
B1	Connect Tonquin trail with neighborhoods
B8	Fill sidewalk gaps on Grahams Ferry, Boones Ferry, and Herman
B9	Add bicycle and pedestrian facilities on 15th Ave, Blake St, and 18th
B11	Add dedicated bike lane through Avery and Boones Ferry intersection
B13	Improve bicycle and pedestrian treatments at railroad crossings
B16	Add I-5 multi-use crossing – connect to planned, existing paths
B20	Add benches for walkers throughout the city
C4	Create a bicycle boulevard system connecting major areas
C5	Build the Tonquin Trail

Urban Upgrade Projects

No.	Project Description
B2	Add sidewalks and bicycle lanes on Norwood
B4	Add bicycle facilities near the hospital, 95th and Martinazzi
B6	Better accommodate pedestrians on the bridges
B15	Add bicycle lanes on Boones Ferry Rd to Day Rd

Projects NOT to Forward into the TSP

No.	Project Description
B3	Improve Tualatin-Sherwood Rd for bicyclists and pedestrians (Tonquin Trail serves as the recommendation instead)
B7	Build a raised intersection at Seneca and Nyberg
B10	Add bike box on Boones Ferry near Sweek House
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

Projects for Further Refinement

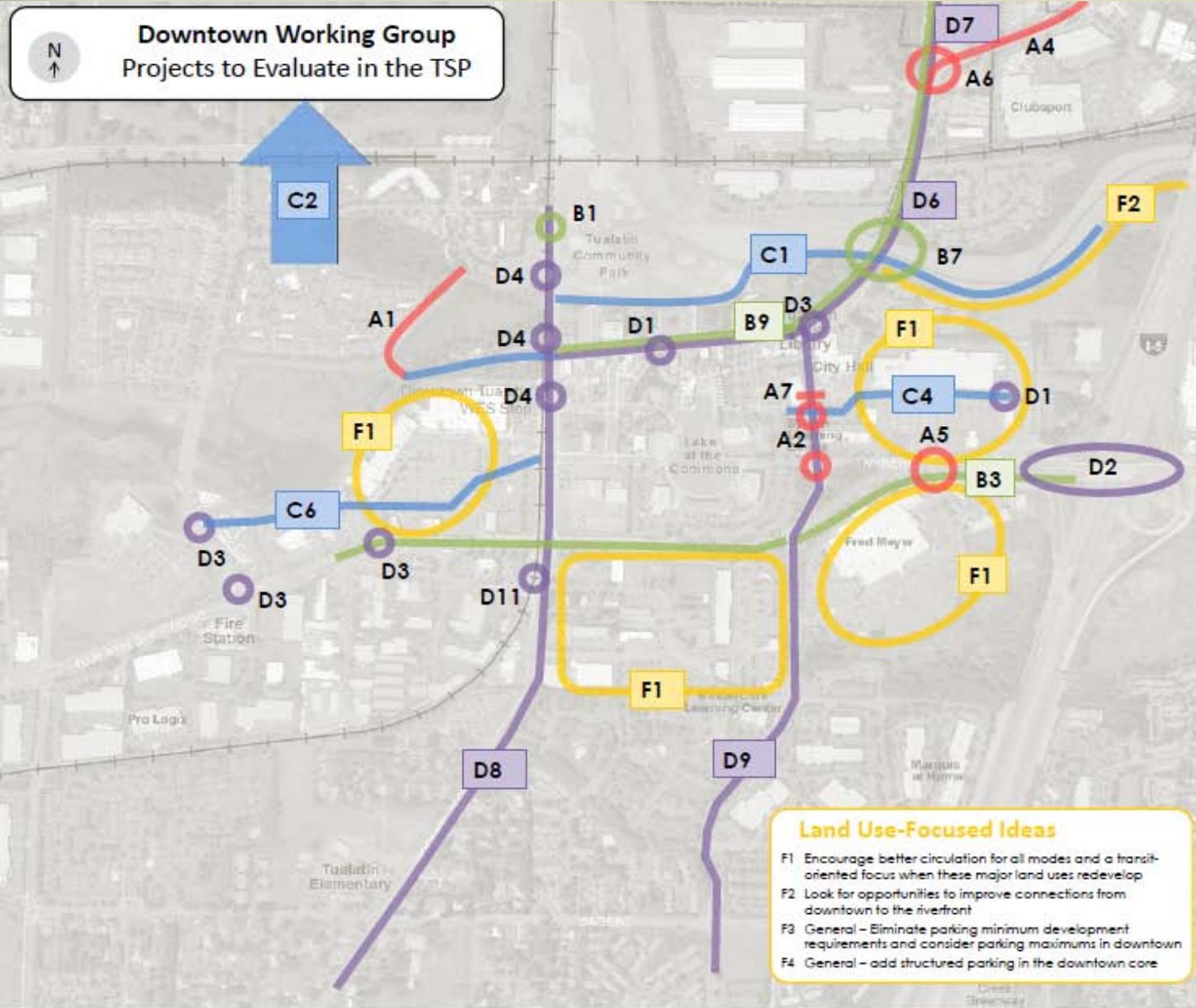
No.	Project Description	Refinement Topic Area
B5	Improve bicycle facility treatments in downtown core	Connectivity in Downtown
B14	Improve pedestrian crossing along Boones Ferry Rd	Boones Ferry Road
B21	Allow wider sidewalks for strolling and outdoor cafes	Connectivity in Downtown
C2	Build pedestrian and bicycle bridges over the Tualatin River	North/South Connectivity



Downtown

Downtown

**Downtown Working Group
Projects to Evaluate in the TSP**



- Safety-Focused Ideas**
- A1 Upgrade bridge surface and improve illumination along path near Hedges Creek
 - A2 Consider raised intersections for pedestrians at Seneca St and Nyberg St
 - A4 Reduce speeds near Bridgeport Village
 - A5 Redesign Fred Meyer & Kmart intersection – upgrade the pedestrian connection
 - A6 Add a roundabout at Lower Boones Ferry Rd and Boones Ferry Rd
 - A7 Add a pedestrian island on Martinazzi Ave north of Seneca St

- Congestion-Focused Ideas**
- B1 Improve circulation into and out of the park
 - B3 Add an eastbound lane on Tualatin-Sherwood Rd from Martinazzi Ave to I-5
 - B7 Replace/widen bridge on Boones Ferry Rd
 - B9 Widen Boones Ferry Rd to 5 lanes
 - B10 Widen Tualatin-Sherwood Rd through downtown

- Connectivity-Focused Ideas**
- C1 Build a trail from Boones Ferry Rd to the downtown core along the river to the Tualatin River Greenway
 - C2 Look for ways to provide north-south connectivity over Tualatin River for vehicles
 - C4 Create a grid system near the Kmart, connect to Seneca St
 - C5 General-improve street connectivity in downtown
 - C6 Create a public road between Boones Ferry Rd and SW 90th Ave

- Bicycle/Pedestrian-Focused Ideas**
- D1 Redesign pedestrian crossing, consider flashing lights
 - D2 Upgrade Nyberg interchange to improve the crossing experience for bicyclists
 - D3 Optimize intersections to reduce conflicts between cars and pedestrians (Tualatin-Sherwood Rd & Martinazzi Ave and Boones Ferry Rd)
 - D4 Add pedestrian crossings along Boones Ferry Rd
 - D6 Improve sidewalks and bicycle lanes Boones Ferry Rd
 - D7 Improve bicycle and pedestrian facilities near Bridgeport Village
 - D8 Provide signage and/or other visual cues to motorists to accommodate bicycles on Boones Ferry Rd
 - D9 Add bicycle lane or “Share the Road” signs on Martinazzi Ave
 - D10 General – coordinate traffic signal timing to accommodate pedestrians in downtown
 - D11 Focused pedestrian crossing on Boones Ferry Road at Tonka

- Land Use-Focused Ideas**
- F1 Encourage better circulation for all modes and a transit-oriented focus when these major land uses redevelop
 - F2 Look for opportunities to improve connections from downtown to the riverfront
 - F3 General – Eliminate parking minimum development requirements and consider parking maximums in downtown
 - F4 General – add structured parking in the downtown core

Projects to Forward into the TSP

No.	Project Description
A1	Upgrade bridge surface, improve illumination along path in back of Haggens
A5	Redesign Fred Meyer to Kmart intersection (including pedestrian crossing)
B1	Rethink access between Tualatin Road and Tualatin Community Park
B3	Add eastbound lane on Tualatin-Sherwood from Martinazzi to I-5
B7	Replace/widen Boones Ferry Road bridge over Tualatin River
C1	Build trail along river from Boones Ferry to downtown, extend to greenway
C4	Create grid system near Kmart upon redevelopment, connect to Seneca
D2	Upgrade Nyberg interchange for bicyclist safety
D6	Improve sidewalks and bicycle lane at Boones Ferry to Lower Boones Ferry
D7	Bike and pedestrian treatments near Bridgeport Village
D8	Provide signage to accommodate bicycles on Boones Ferry
D9	Add bicycle lane on Martinazzi north of Warm Springs
F1	Encourage multimodal circulation and transit-oriented redevelopment
F2	Look for opportunities to open downtown's connection to the riverfront
F4	Add structured parking in the downtown core

Projects NOT to Forward into the TSP

No.	Project Description
A2	Consider raised intersections on Martinazzi
A4	Reduce speeds near Bridgeport Village
A7	Add pedestrian island on Martinazzi Ave north of Seneca
C6	Create road connections between Boones Ferry Rd and SW 90th Ave
D4	Add pedestrian crossing at the WES stop (Seneca)
D10	Coordinate traffic signal timing to accommodate pedestrians
D11	Add focused pedestrian crossing over Boones Ferry Road at Tonka
F3	Eliminate parking minimum development requirements and consider parking maximums

Projects for Further Refinement

No.	Project Description	Refinement Topic Area
A6	Add roundabout at Boones Ferry and Lower Boones Ferry Road	Boones Ferry Road
B9	Widen Boones Ferry Rd	Boones Ferry Road
B10	Widen Tualatin-Sherwood Rd	Tualatin Sherwood Road
C2	Provide north-south connectivity over Tualatin River for vehicles	North/South Connectivity
C5	Improve downtown core street connectivity	Connectivity in Downtown
D1	Redesign pedestrian crossings, consider flashing lights	Connectivity in Downtown
D3	Optimize intersections to reduce conflicts along Boones Ferry and Tualatin Sherwood Roads	Boones Ferry Road, Tualatin Sherwood Road



Industrial and Freight

Industrial and Freight

Existing Plans

- P1 Connect Myslony and Avery Streets to Tualatin-Sherwood Rd (2001 TSP)
- P2 Widen McEwan Rd to 3-lanes for bikes and pedestrians (2001 TSP)
- P3 SW Tualatin Concept Plan roadways (2005)
- P4 Extend Pacific Drive to 124th (2001 TSP)
- Planned traffic signal (2001 TSP)

Industrial and Freight Working Group Projects to Evaluate in the TSP

Congestion-Focused Ideas

- A1 Add a signal or roundabout at Sagerst 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.
- A7 Remove northbound right turn light 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
- A13 Widen Boones Ferry Rd through downtown

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 Provide north-south vehicle connectivity over Tualatin River
- C4 Add a right turn from Teton Ave to Tualatin-Sherwood Rd
- C5 Extend 65th Ave north
- C6 Improve 115th Ave
- C7 Improve cross-section on Herman Rd
- C8 Add signal to Tualatin Rd and Boones Ferry Rd;
- C9 Consider removing trucks/adding truck info signs along 108th/105th Aves. .
- C10 Extend 95th Ave north to Tualatin Rd
- C12 Create an east/west connection across I-5 (near Greenhill Rd)
- C13 General- Provide travel options by improving connectivity in the roadways system
- C14 Widen Myslony St to standards - reduce on-street parking (AW Idea)*
- C15 Upgrade Cipole Rd to standards with sidewalks and bike lanes (AW Idea)
- C16 Improve Tonquin Rd between Oregon St and Waldo Way (AW Idea)
- C17 Improve circulation east of the Bridgeport/I-5 Interchange (AW Idea)

Other Ideas

- D1 General - Coordinate freight receiving/shipping times
- D2 Add vision & sound walls; reduce cut-through traffic
- D3 General - Provide incentives to telecommute
- D5 Add a lane on Tualatin-Sherwood Rd to Fred Meyer, better lane signage. 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, add signal on 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
- D13 Add traffic calming on Tualatin Rd
- D14 General - Add measures to reduce truck traffic on local and minor streets - including traffic calming
- D15 Improve turning radius from Herman Rd northbound onto 108th Ave (AW Idea)
- D16 Increase speed limit to 40 or 45 MPH on 124th Ave (AW Idea)
- D17 Reconfigure the intersection of 115th Ave and Tualatin-Sherwood Rd (AW Idea)
- D18 Improve turning radius from Tualatin-Sherwood Rd to Cipole Rd (AW Idea)
- D19 Improve northbound right and left turns onto Herman Rd (AW Idea)
- D20 Improve southbound left turns at 63rd Ave and Lower Boones Ferry Rd (AW Idea)
- D21 Improve southbound left turns from Jurgens and 106th Aves onto Tualatin Rd (AW Idea)
- D22 Improve 65th Ave south across I-205; widen and address dip in the roadway (AW Idea)
- D23 General - ensure that future roundabout designs can accommodate larger trucks (AW Idea)

* (AW Idea) indicates that this project was suggested through conversations with Allied Waste drivers

Projects to Forward into the TSP (1 of 2)

No.	Project Description
A1	Add a signal or roundabout at Sagert/ Martinazzi
A5	Extend 124th Ave to the south
A6	Provide coordinated signal timing and access management along major arterials
A11	Address congestion on Avery and Teton
A12	Synchronize turn signals to/from Boones Ferry to Tualatin-Sherwood; coordinate with the train signal
B1	Expand shuttle for industrial and manufacturing workers during the day – consider charging fares
B3	Provide a loop bus route serving local residents
C5	Extend 65th Ave north
C9	Consider removing trucks/adding truck info signs along 108th/105th Aves
C12	Create an east/west connection across I-5 (near Greenhill Rd)

Projects to Forward into the TSP (2 of 2)

No.	Project Description
D1	Coordinate freight receiving/ shipping times
D3	Provide incentives to telecommute
D5	Add eastbound lane on Tualatin-Sherwood from Martinazzi to I-5
D11	Encourage off-peak usage on Herman Rd and Tualatin-Sherwood Rd
D14	Add measures to reduce truck traffic on local and minor collectors
D22	Improve 65th Ave south across I-205; widen and address dip in the roadway
D23	Ensure that future roundabout designs can accommodate larger trucks

Urban Upgrade Projects

No.	Project Description
C14	Widen Myslony St to standards - reduce on-street parking
C15	Upgrade Cipole Rd to standards with sidewalks and bike lanes
C16	Improve Tonquin Rd between Oregon St and Waldo Way

Projects NOT to Forward into the TSP

No.	Project Description
A7	Remove NB right turn light on Boones Ferry
C4	Add a left turn from Teton to Tualatin Rd
C6	Improve 115th Ave
C8	Add signal to Tualatin and Boones Ferry intersection
C10	Extend 95th Ave north to Tualatin Rd
C13	Provide travel options by improving connectivity in the roadway system
D2	Add vision and sound walls; reduce cut-through traffic
D6	Improve signs to direct traffic to correct street
D10	Improve Tualatin-Sherwood and Martinazzi signal timing
D12	Make “Truck Route” signs larger
D16	Increase speed limit to 40 or 45 MPH on 124th Ave
D20	Improve southbound left turns at 63rd and Lower Boones Ferry

Projects for Further Refinement (1 of 2)

No.	Project Description	Refinement Topic Area
B2	Add rail station with easy offload and access for industry in the west part of town	Stand Alone
C17	Improve circulation east of the Bridgeport/ I-5 Interchange	Stand Alone
A2	Discourage through and truck traffic along Tualatin while encouraging through and truck traffic along Herman	Herman and Tualatin Options
A9	Improvements to help mobility of through-traffic on Tualatin-Sherwood Rd	Tualatin Sherwood Road
A13	Widen Boones Ferry Rd through downtown	Boones Ferry Road, North/South Connectivity
C3	Provide north-south vehicle connectivity over Tualatin River	North/South Connectivity
C7	Improve cross-section on Herman Rd	Herman and Tualatin Options
D7	Add traffic signal at 97th Ave and Tualatin-Sherwood	Tualatin Sherwood Road

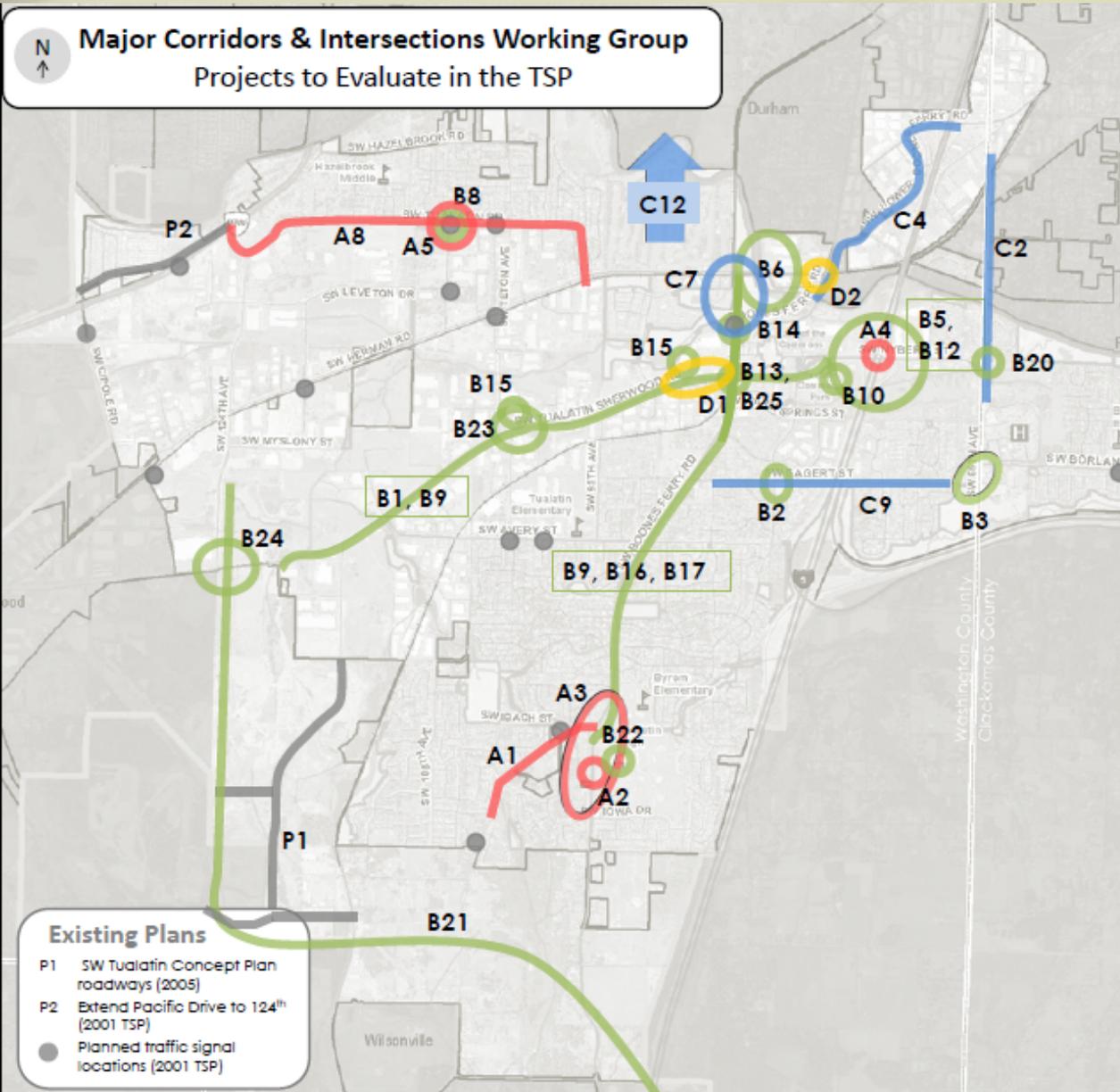
Projects for Further Refinement (2 of 2)

No.	Project Description	Refinement Topic Area
D8	Improve visibility, add signal restrict left turns from 108th onto Tualatin	Herman and Tualatin Options
D9	Add a signal at Tualatin Rd and Teton Ave/Jurgens Rd	Herman and Tualatin Options
D13	Add traffic calming on Tualatin Road	Herman and Tualatin Options
D15	Improve turning radius from Herman Rd northbound onto 108th Ave	Herman and Tualatin Options
D17	Reconfigure the intersection of 115th and Tualatin-Sherwood	Tualatin Sherwood Road
D18	Improve turning radius from Tualatin-Sherwood to Cipole	Tualatin Sherwood Road
D19	Improve NB right and left turns onto Herman	Herman and Tualatin Options
D21	Improve SB left turns from Jurgens and 106th onto Tualatin	Herman and Tualatin Options



Major Corridors and Intersections

Major Corridors and Intersections



Major Corridors & Intersections Working Group
Projects to Evaluate in the TSP

Existing Plans

- P1 SW Tualatin Concept Plan roadways (2005)
- P2 Extend Pacific Drive to 124th (2001 TSP)
- Planned traffic signal locations (2001 TSP)

Safety-Focused Ideas

- A1 Reduce speeds, add guardrail and shoulders to this section of Grahams Ferry Rd
- A2 Add traffic signal at Tualatin High School
- A3 Consistent speed zones for both Tualatin High School & Byron Elementary School
- A4 Improve the sight distance at the I-5-Nyberg Rd interchange
- A5 Add traffic signal on Tualatin Rd at 108th Ave
- A6 General – consistent use of yellow turn signals on all traffic signals
- A8 Discourage through and truck traffic along Tualatin Rd while encouraging through and truck traffic along Herman Rd. Make residential access easier.

Congestion-Focused Ideas

- B1 Widen Tualatin-Sherwood Rd
- B2 Signal or roundabout at Sagert St and Martinazzi Ave
- B3 Realign Sagert St/Borland Rd intersection
- B5 Restrict right turn on red at Nyberg Interchange
- B6 Rethink access in vicinity of Tualatin Community Park
- B8 Prohibit left turns out of 108th Ave or remove trees in the southwest corner
- B9 Coordinate signal timing on Boones Ferry Rd and Tualatin-Sherwood Rd; widen Boones Ferry Rd
- B10 Redesign the intersection at the Fred Meyer (from Nyberg Rd)
- B12 Make two right turn lanes from I-5 north onto Nyberg Rd
- B13 Extend the northbound left turn lane and create a southbound right turn lane on Boones Ferry Rd at Tualatin-Sherwood Rd to reduce backup from WES train; add red light cameras
- B14 Reconfigure Boones Ferry Rd at Tualatin Rd
- B15 Add a 4-way stop by 90th Ave at Kaiser
- B16 Add bus pullouts on Boones Ferry Rd
- B17 Widen Boones Ferry Rd
- B20 Roundabout or signal intersection at Nyberg Rd/65th Ave; keep Nyberg Rd 2 lanes
- B21 Extend 124th Ave and connect to I-5 and Tonquin Rd
- B22 Address congestion caused by high school
- B23 Add a dedicated right turn lane on Teton Ave at Tualatin-Sherwood Rd
- B24 Add right turn lane on Tualatin-Sherwood Rd at 124th Ave

Connectivity-Focused Ideas

- C2 Extend 65th Ave north
- C4 Improve traffic flow on Lower Boones Ferry Rd near Bridgeport Village into downtown Tualatin
- C7 Revise connection between Tualatin Rd and Boones Ferry Rd near the railroad tracks
- C9 Widen Sagert to 2 lanes in each direction
- C12 Provide north-south connectivity over Tualatin River for vehicles

Other Ideas

- D1 Add lane on Tualatin-Sherwood Rd to Fred Meyer, better lane signage for I-5. Install traffic camera for signal violations.
- D2 Better signs needed to direct traffic to correct street

Projects to Forward into the TSP

No.	Project Description
A1	Reduce speeds, add guardrail and shoulders to this section of Grahams Ferry Rd
A3	Consistent speed zones for Tualatin High School and Byrom Elementary School
A6	Consistent use of yellow turn signals at traffic signals
B2	Signal or roundabout at Sagert and Martinazzi
B6	Rethink access between Tualatin Road and Tualatin Community Park
B8	Prohibit left turns out of 108th Ave <u>or</u> remove trees in the southwest corner
B9	Coordinate signal timing on Boones Ferry Rd
B10	Redesign Nyberg/Fred Meyer intersection and improve pedestrian crossing
B16	Add bus pullouts on Boones Ferry Rd
B21	Extend 124th Ave to south
B23	Add a dedicated right turn lane on Teton at Tualatin-Sherwood
C2	Extend 65th Ave to the north
C4	Improve traffic flow on Lower Boones Ferry between Bridgeport and downtown
D1	Add eastbound lane on Tualatin-Sherwood from Martinazzi to I-5

Projects NOT to Forward into the TSP

No.	Project Description
A2	Add traffic signal at Tualatin High School
B3	Realign Sagert /Borland to one intersection
B14	Reconfigure Boones Ferry at Tualatin Road
B15	Add a 4-way stop by 90th Ave at Kaiser
B20	Roundabout or signal at Nyberg and 65 th intersection
B22	Address congestion caused by high school
C7	Revise connection between Tualatin and Boones Ferry near the railroad tracks
C9	Widen Sagert to 2-lanes each way
D2	Better signs needed to direct traffic to correct street

Projects for Further Refinement

No.	Project Description	Refinement Topic Area
A4	Improve sight distance at I-5 and Nyberg Rd interchange	Nyberg Interchange
A5	Add traffic signal on Tualatin Rd at 108th	Herman and Tualatin Options
A8	Discourage through and truck traffic along Tualatin Rd while encouraging through and truck traffic along Herman Rd	Herman and Tualatin Options
B1	Widen Tualatin-Sherwood Rd	Tualatin Sherwood Road
B5	Restrict right turn on red at Nyberg Interchange	Nyberg Interchange
B12	Make two right turn lanes from I-5 north onto Nyberg Rd	Nyberg Interchange
B13	Extend NB left turn and create a SB right turn lane on Boones Ferry at Tualatin-Sherwood to reduce backup from WES train	North/South Connectivity
B17	Widen Boones Ferry Rd at the south end of the City	Boones Ferry Road
B24	Add right turn lane on Tualatin-Sherwood at 124th	Tualatin Sherwood Road
C12	Look for ways to provide north-south connectivity over Tualatin River for vehicles	North/South Connectivity



Neighborhood Livability

Neighborhood Livability

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Neighborhood Livability Working Group
Projects to Evaluate in the TSP

Safety-Focused Ideas

- A1 Discourage/restrict through & truck traffic along Tualatin Rd while encouraging a shift to Herman Rd & Leveton Rd. Make residential access along Tualatin Rd easier.
- A3 Reroute school buses away from Tualatin Community Park and two railroad crossings
- A4 Add a roundabout at Boones Ferry Rd & Norwood Rd
- A5 Make Boones Ferry Rd more pedestrian-friendly, including the creation of one consistent speed limit, without widening
- A6 Improve intersection at 108th Ave and Tualatin Rd
- A8 Reduce speed, possibly add trail through wooded area.
- A9 Eliminate free right turns

Congestion-Focused Ideas

- B1 Add a signal or roundabout at Sager St and Martinazzi Ave
- B2 Add a dedicated right turn lane into apartments near Nyberg Woods Shopping Center
- B3 Realign Sager St and Borland Rd intersection (roundabout or signal)
- B4 Improve intersection at Avery St and Teton Ave
- B5 Address congestion caused by high school
- B6 Adjust signal timing to reflect traffic needs
- B8 Add right turn lane from Tualatin-Sherwood Rd to northbound 124th Ave

Connectivity-Focused Ideas

- C1 Connect 124th Ave to Tonquin Rd
- C2 Consider removing trucks/adding truck info signs along 108th/105th Aves.
- C3 Balance the needs of neighborhood with local truck movement along Avery St; provide turn lane for traffic entering into school
- C6 Create a street between Boones Ferry Rd and Bridgeport Rd
- C7 Extend 65th Avenue to the north

Bicycle/Pedestrian-Focused Ideas

- D2 Consider pedestrian islands on Boones Ferry Rd, near Byron Elementary and Tualatin High schools
- D3 Provide a multi-use path along the river
- D4 Connect sidewalk on east side of 65th Ave
- D5 Repair gap in sidewalk on the south side of Borland Rd
- D6 Add multi-use path as part of Tualatin Trail
- D7 Provide focused pedestrian crossing improvements (may need signal)
- D8 Add bike facilities & continuous sidewalks
- D9 Build the Tonquin Trail
- D10 Provide neighborhood connections to Tonquin Trail
- D11 Connect to Tualatin Path
- D12 General - add benches for walkers throughout the city
- D13 Create a system of bicycle boulevards (bikeways on lower-volume streets) connecting all major areas including residential areas (Not on map)

Transit-Focused Ideas

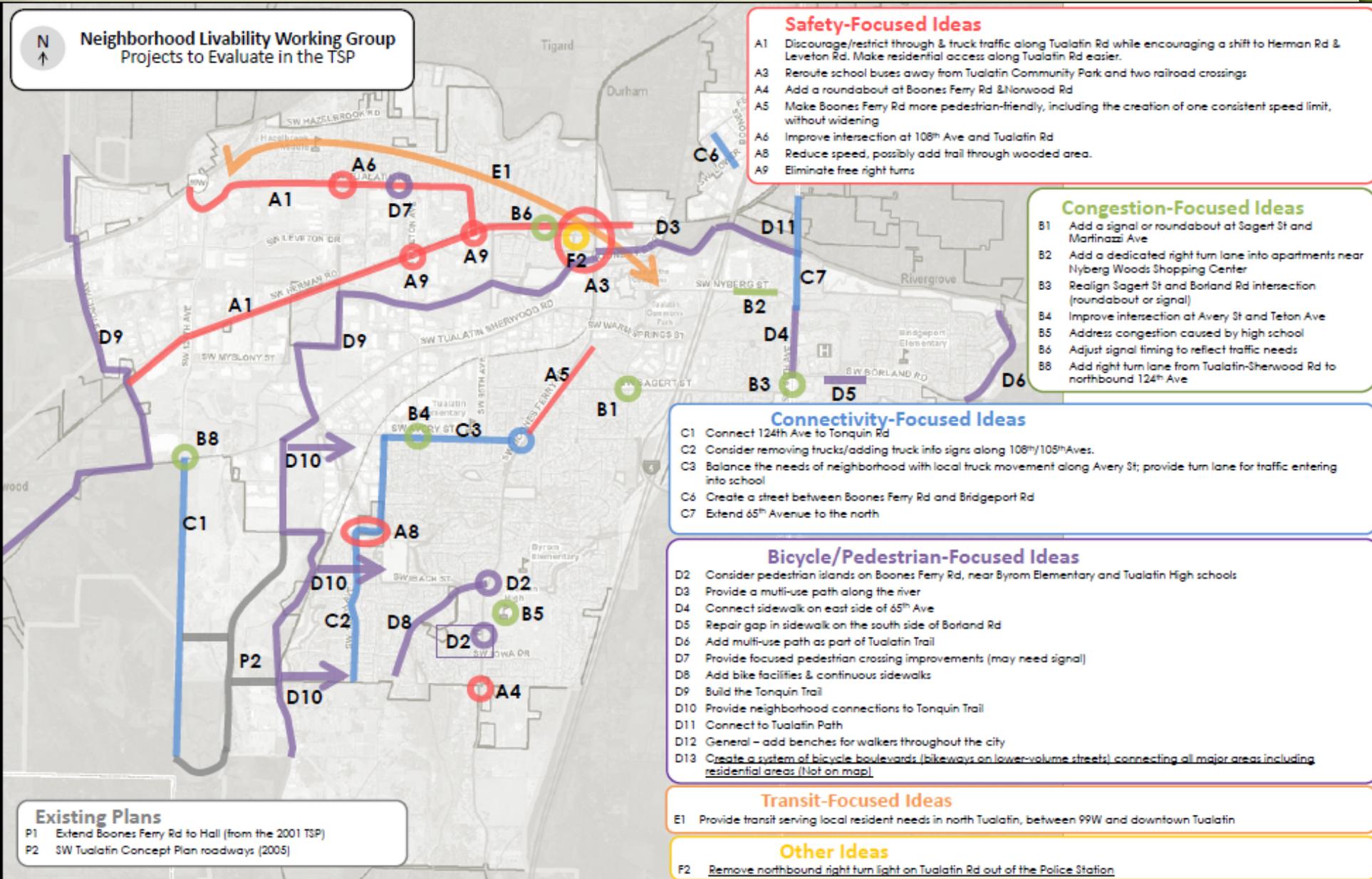
- E1 Provide transit serving local resident needs in north Tualatin, between 99W and downtown Tualatin

Other Ideas

- F2 Remove northbound right turn light on Tualatin Rd out of the Police Station

Existing Plans

- P1 Extend Boones Ferry Rd to Hall (from the 2001 TSP)
- P2 SW Tualatin Concept Plan roadways (2005)



Projects to Forward into the TSP (1 of 2)

No.	Project Description
A3	Reroute school buses away from Tualatin Community Park and railroad crossings
A8	Reduce speed, possibly add trail through wooded area
B1	Add signal or roundabout at Sagert and Martinazzi
B4	Improve intersection at Avery and Teton
C1	Extend 124th Ave to south
C2	Consider removing trucks/adding truck info signs along 108th/105th Aves
C3	Balance needs of neighborhood with local truck movement along Avery St; provide turn lane for traffic entering into school
C7	Extend 65th Ave to the north
D3	Provide a multi-use path along the river
D4	Multi-use path on 65th Ave between Borland and Nyberg
D5	Repair sidewalk gap on south side of Borland

Projects to Forward into the TSP (2 of 2)

No.	Project Description
D6	Add multi-use path as part of Tualatin Trail
D9	Build the Tonquin Trail
D10	Connect Tonquin trail with neighborhoods
D11	Connect to Tualatin Path
D12	Add benches for walkers throughout city
D13	Create a bicycle boulevard system connecting major areas
E1	Provide transit serving local resident needs in north Tualatin, between 99W and downtown Tualatin

Projects NOT to Forward into the TSP

No.	Project Description
D8	Add bike facilities and continuous sidewalks along Graham's Ferry Road (only as part of an urban upgrade)
B3	Realign Sagert /Borland to one intersection
B5	Address congestion caused by high school
C6	Create a street between Boones Ferry Rd and Bridgeport Rd
F2	Remove right turn light in the northbound direction on Tualatin Rd out of the Police Station

Projects for Further Refinement

No.	Project Description	Refinement Topic Area
A1	Discourage through and truck traffic along Tualatin Rd while encouraging through and truck traffic along Herman Rd	Herman and Tualatin Options
A4	Add a roundabout at Boones Ferry and Norwood	Boones Ferry Road
A5	Make Boones Ferry Rd more pedestrian-friendly	Boones Ferry Road
A6	Improve intersection at 108th and Tualatin	Herman and Tualatin Options
A9	Eliminate free right turns – on Herman Rd at Teton Ave and Tualatin Rd	Herman and Tualatin Options
B2	Add a dedicated right turn lane into apartments near Nyberg Woods Shopping Center	Nyberg Interchange
B6	Adjust signal timing to give priority to Tualatin Road through traffic	Tualatin Sherwood Road
B8	Add right turn lane on Tualatin-Sherwood at 124th	Tualatin Sherwood Road
D2	Add pedestrian islands on Boones Ferry, near Byrom ES and Tualatin HS	Boones Ferry Road
D7	Provide focused pedestrian crossing improvements along Tualatin Road	Herman and Tualatin Options



Transit

Projects to Forward into the TSP

No.	Project Description
A2	Provide bus transit service on 124th Street
A3	Provide bus transit service on Avery Street
A5	Extend bus service to east Tualatin
A7	Explore a shuttle or trolley service between Bridgeport Village and Commons area, especially for weekend service
A8	Provide a loop bus route serving local residents
A10	Expand shuttle for industrial and manufacturing workers during the day – consider charging fares
A12	General – need extended service for all transit
B2	Provide high capacity transit service on Tualatin-Sherwood Road
C1	Make the WES station a central focus of downtown and the main transit center.
D1	Look for potential park-and-ride locations in west Tualatin
D2	Look for potential park-and-ride locations in south Tualatin
D3	Add parking capacity at Tualatin Park-and-Ride - Potential structure

Projects NOT to Forward into the TSP

No.	Project Description
A6	Provide express bus service between Tualatin and Salem
A13	General – use more energy efficient buses
A14	Coordinate bus schedules with WES schedule
A16	Add stops on higher volume routes
B1	Add more bicycle storage at the WES station
B4	Build an elevated pedestrian bridge to connect the Tualatin park-and-ride with shopping
D4	Look for opportunities to reduce size of or relinquish underutilized park-and-ride lots and transfer spaces to higher utilized areas
D5	Add a park-and-ride in east Tualatin

Projects for Further Refinement

No.	Project Description	Refinement Topic Area
A1	Provide bus transit service on Herman Road	Herman and Tualatin Options
A4	Provide bus transit service on Tualatin Road between downtown and 99W	

What Happens Next?

- Online forum goes live July 1st
- Technical team reviews six refinement areas
 - Organize discrete project ideas into packages
 - Up to three alternatives per refinement area
 - Traffic (local and city-wide)
 - Geometric constraints and right of way
 - Cost
 - Environmental and policy effects
- July and August TTF meetings review/discuss findings
 - What are the benefits?
 - What are the impacts?
 - What are we willing to accept?
- Transportation Community Summit in September (draft date September 20th)

Next Two Meetings

STEP 1

Identify Needs and Opportunities

Develop Goals and Objectives

Survey Existing Conditions

Forecast Future Conditions

** Public Involvement Activities Included*

STEP 2

Develop and Evaluate Solutions

Create a Long List of Potential Solutions

Screen/Evaluate How Ideas Help Meet Goals and Objectives

** Public Involvement Activities Included*

STEP 3

Make Recommendations

Prepare Draft Project Recommendations

Refine Project Recommendations

Prioritize Project Recommendations

** Public Involvement Activities Included*

STEP 4

Create and Adopt the Plan

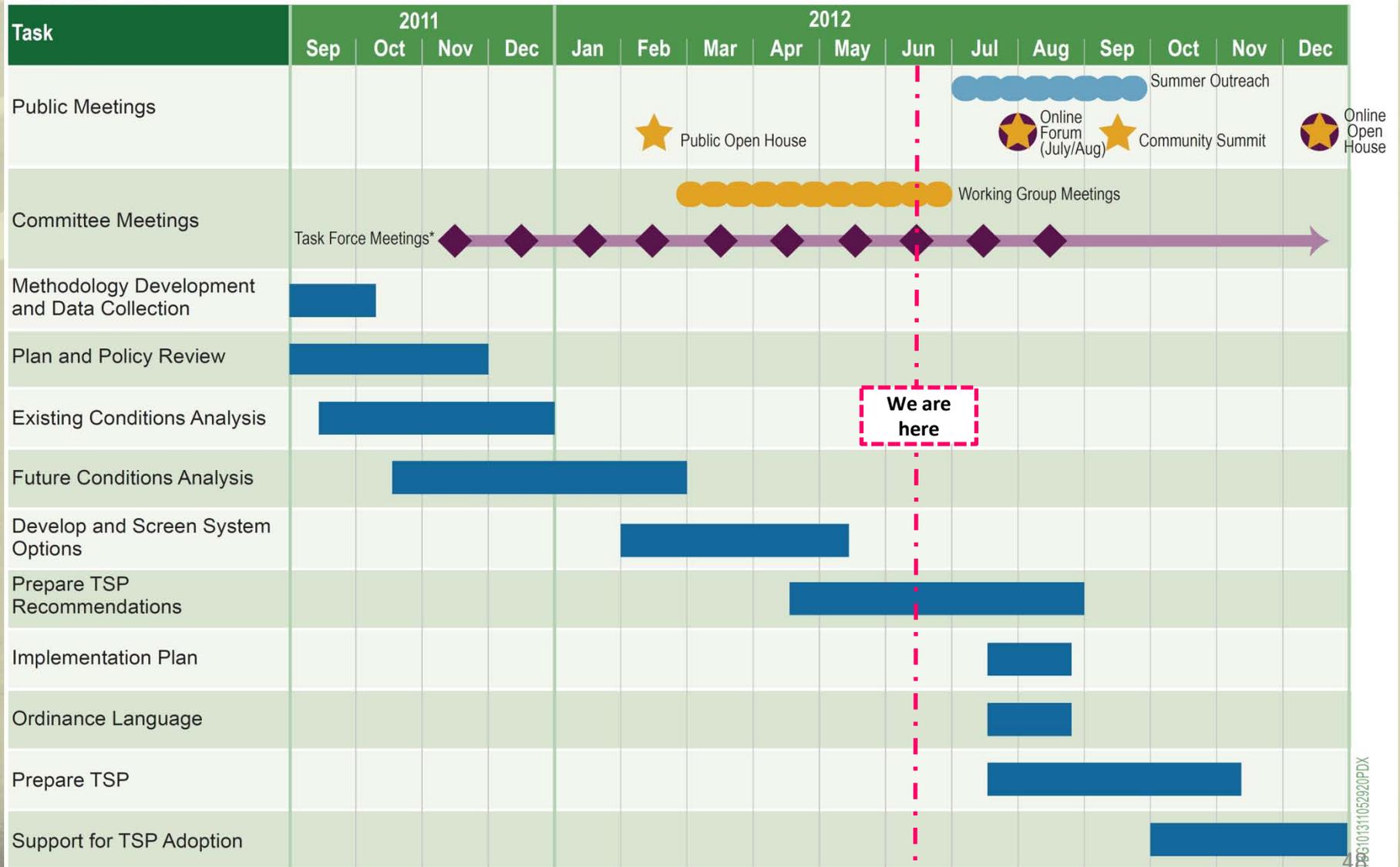
Develop a Draft TSP

Adopt the Final TSP

** Public Involvement Activities Included*

July, August meetings focus on refinement topics

Transportation System Plan Timeline





Questions