



MEETING AGENDA

**TRANSPORTATION TASK FORCE
WORKING GROUP:
Industrial and Freight Movement
June 13, 2012, 11:30 a.m.
Operations Center Training Rm
10699 SW Herman Rd**

1. **WELCOME AND CALL TO ORDER**
 - A. Introductions
 - B. Background: Where We Are in the Process
 - C. Purpose of Meeting Today
 1. Review Initial Project Evaluation
 2. Suggest projects that should not move forward in the TSP
 3. Prioritize the most important projects
2. **PRESENTATION**
 - A. Evaluation Results
 - B. Questions
3. **SMALL GROUP DISCUSSION**
 - A. Discuss Evaluation Results
 - B. Projects to keep, let go, study further
 - C. Identify most beneficial projects, suggest projects to remove
4. **CLOSING**
 - A. Review Small Group Discussion Results
5. **NEXT MEETING**
 - A. Working Group: Major Corridors & Intersections - June 14
 - B. Working Group: Transit - June 28

Tualatin Transportation System Plan, Preliminary Evaluation Results

PREPARED FOR: Tualatin Transportation Task Force

COPY TO: Kaaren Hofmann, City of Tualatin
Alice Rouyer, City of Tualatin
Dayna Webb, City of Tualatin

PREPARED BY: Terra Lingley, CH2M HILL
Theresa Carr, CH2M HILL
Darren Hippenstiel, CH2M HILL
Kate Lyman, CH2M HILL
Alan Snook, DKS Associates

DATE: May 25, 2012

This memorandum summarizes the preliminary evaluation results of the Tualatin Transportation System Plan (TSP)'s feasible project ideas. It presents both the methodology used to perform the evaluation and the evaluation summary at a project goal level. Maps identifying the location of each project idea and next steps are also included.

The TSP's technical team reviewed each of the projects identified as feasible against a set of evaluation criteria. The evaluation criteria, nested into each project objective, and further nested within each project goal category, are quantitative or qualitative measures that help the team identify how well the project idea is at meeting the TSP's goals and objectives. These goals and objectives were created by the Transportation Task Force (TTF) and reviewed by the community, and accepted by City Council. There are seven goal categories:

1. Access/Mobility
2. Safety
3. Vibrant Community
4. Economy
5. Health/Environment
6. Equity
7. Ability to be Implemented

Ratings

Each project was evaluated against all evaluation criteria by one or more members of the project team, and reviewed by the project management team as a group. The scale used for the evaluation is as follows:

Evaluation Results Rating Scale

| Rating | Description |
|--------|---|
| ● | The project idea addresses the criterion and/or makes substantial improvements in the criteria category |
| ◐ | The project idea partially addresses the criterion and/or makes some improvements in the criteria category |
| ○ | The project idea does not support the intent of and/or negatively impacts the criteria category |
| N/A | The project idea neither meets nor does not meet intent of criterion. The project idea has no effect, or criterion does not apply |

The results of the preliminary evaluation are included by Working Group topic, which are:

- Bicycle and Pedestrian
- Downtown
- Industrial and Freight
- Major Corridors and Intersections
- Neighborhood Livability
- Transit

Scores for each individual project idea are included at the end of this memo. Cells highlighted in yellow indicate that the team recommends further analysis of this concept as part of a larger corridor or interchange assessment. Many project ideas spanned more than one topic area. Although concepts were reviewed only once, the evaluation results are reported under each Working Group topic area.

How will this Information be Used?

The focus of the May 24th TTF meeting will be to review the preliminary evaluation results. These will also be used as a basis for the third round of Working Group meetings, held in the first half of June. This next round of Working Group meetings will discuss the evaluations, discuss how well project ideas address identified needs and deficiencies, and prepare preliminary recommendations for the TSP. These project ideas will be organized into three categories:

1. What projects completely make sense and should become part of the TSP?
2. What projects do not make sense, and should not become a part of the TSP?
3. What projects need to be considered more, either in relation to different alternatives to address one problem, or in the context of how a corridor or segment operates as a whole.

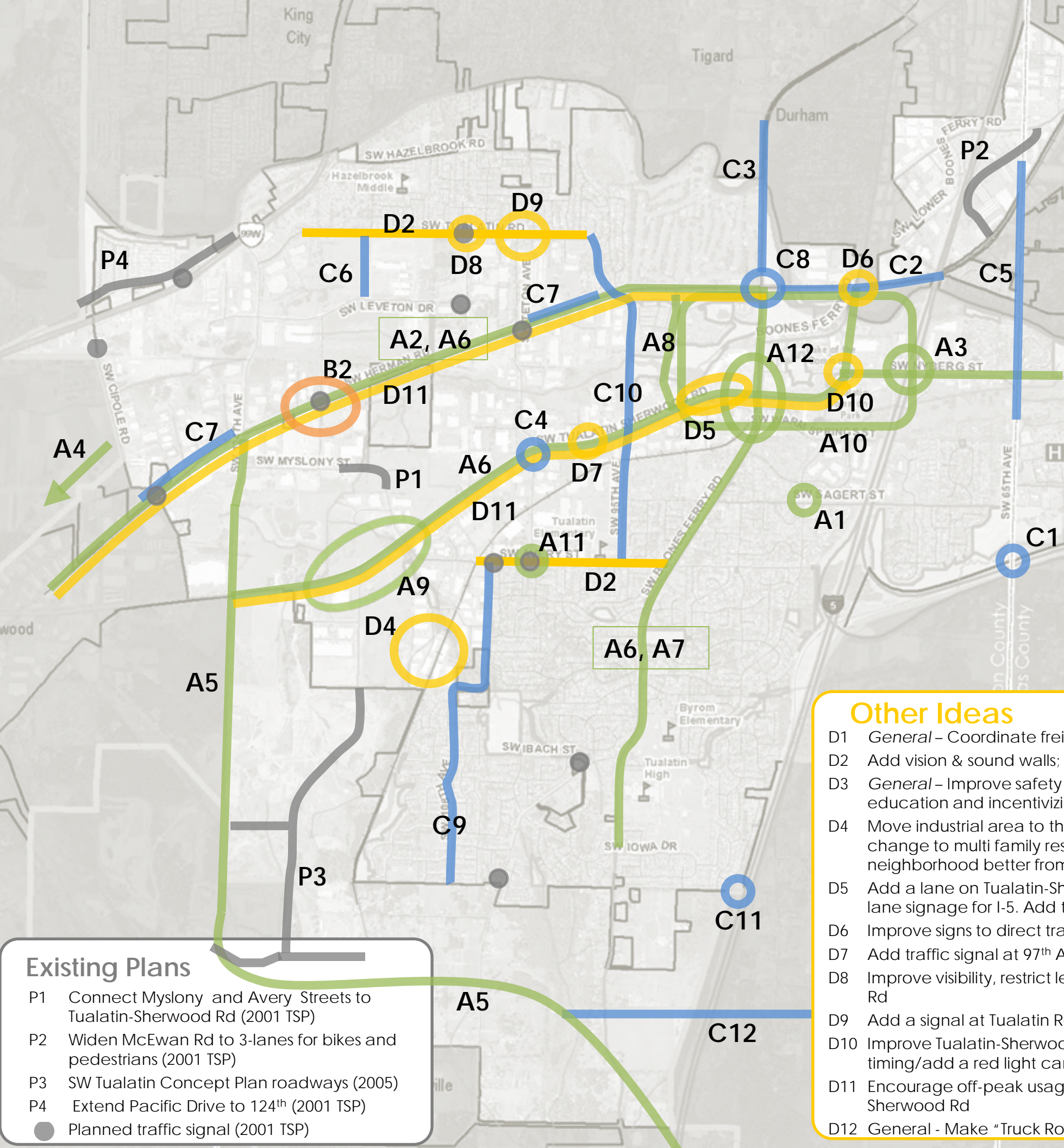
The June 21 TTF meeting will review the developments from this third round of Working Group meetings, and preliminary recommendations will be forwarded to the community as a whole for review over the summer months. At this time the third category of ideas will be refined in more detail, with additional traffic or engineering analysis, and discussed with staff, reviewing agencies, and the community.

Industrial and Freight Preliminary Project Evaluation

| | ID | Project Idea | Access / Mobility | Safety | Vibrant Community | Economy | Health / Environment | Equity | Ability to be Implemented |
|-------------------|------------|--|----------------------|--------|----------------------|---------|-------------------------|--------|------------------------------|
| Congestion | A1 | Add a signal or roundabout at Sagert/ Martinazzi | ● | ☐ | ☐ | ● | ☐ | ○ | ☐ |
| | <u>A2</u> | Divert truck traffic from Tualatin Road to Herman Road | ● | N/A | ☐ | ☐ | ☐ | ☐ | ☐ |
| | A5 | Extend 124th Ave south | ● | ☐ | ☐ | ● | ☐ | ● | ☐ |
| | A6 | Provide coordinated signal timing and access management along major arterials | ● | ● | ☐ | ☐ | N/A | N/A | ☐ |
| | <u>A7</u> | Remove NB right turn light on Boones Ferry Road | ☐ | ○ | ☐ | ☐ | N/A | N/A | ☐ |
| | <u>A9</u> | Improvements to help mobility of through-traffic on Tualatin-Sherwood Rd | ● | ☐ | ☐ | ● | ○ | ● | ☐ |
| | A11 | Address congestion on Avery and Teton | ● | ● | N/A | ☐ | N/A | N/A | ☐ |
| | <u>A12</u> | Synchronize turn signals to/from Boones Ferry to Tualatin-Sherwood; coordinate with the train signal | ● | N/A | ☐ | ☐ | N/A | N/A | ☐ |
| | <u>A13</u> | Widen Boones Ferry Rd through downtown | ● | ☐ | ☐ | ☐ | ○ | ☐ | ○ |
| | B1 | Expand service hours of chamber shuttle to nights and weekends | ☐ | N/A | ● | ● | ☐ | ● | ☐ |
| Transit | B2 | Add rail station with easy offload and access for industry in the west part of town | ● | N/A | ● | ☐ | ● | ● | ☐ |
| | B3 | Provide local loop bus | ● | N/A | ● | ☐ | ☐ | ● | ○ |
| Connect- ivity | <u>C3</u> | Provide north-south vehicle connectivity over Tualatin River | ● | ☐ | ☐ | ● | ☐ | ☐ | ○ |
| | C4 | Add a <u>left-right</u> turn from Teton Ave to Tualatin- <u>Sherwood</u> Rd | ●N/A | ☐N/A | ☐N/A | ●N/A | ☐N/A | ☐N/A | ●⊖ |

| | ID | Project Idea | Access / Mobility | Safety | Vibrant Community | Economy | Health / Environment | Equity | Ability to be Implemented |
|---------------------|-----------|--|----------------------|--------|----------------------|---------|-------------------------|--------|------------------------------|
| Connectivity, Cont. | C5 | Extend 65th Ave north | ● | ● | ● | ● | ● | ● | ○ |
| | C6 | Improve 115th Ave | ● | ● | ○ | ● | ● | ● | ● |
| | <u>C7</u> | Improve cross-section on Herman Rd | ● | ● | ○ | ● | ● | ● | ● |
| | <u>C8</u> | Add signal to Tualatin and Boones Ferry intersection | ● | ● | N/A | ● | ○ | ● | ○ |
| | C9 | Consider removing trucks/adding truck info signs along 108th/105th Aves | ○ | N/A | ● | ○ | ● | ○ | ● |
| | C10 | Extend 95th Ave north to Tualatin Rd | ● | ● | ○ | ● | ○ | ○ | ○ |
| | C12 | Create an east/west connection across I-5 (near Greenhill Rd) | ● | ● | ● | ● | ● | ● | ● |
| | C13 | Provide travel options by improving connectivity in the roadway system | ● | ● | ● | ● | ● | ● | ● |
| | C14 | Widen Myslony St to standards - reduce on-street parking | ● | ● | N/A | ● | N/A | ● | ● |
| | C15 | Upgrade Cipole Rd to standards with sidewalks and bike lanes | ● | ● | ● | ● | ● | ● | ● |
| Other | C16 | Improve Tonquin Rd between Oregon St and Waldo Way | ● | ● | N/A | ● | N/A | ● | ● |
| | C17 | Improve circulation east of the Bridgeport/I-5 Interchange | ● | ● | ● | ● | ● | ● | ● |
| | D1 | Coordinate freight receiving/ shipping times | ● | ● | ● | ● | N/A | N/A | ● |
| | D2 | Add vision and sound walls; reduce cut-through traffic | ○ | ○ | ● | ○ | ○ | ○ | ○ |
| | D3 | Provide incentives to telecommute | ● | ● | N/A | ● | ● | ● | ● |
| | <u>D5</u> | Add lane on Tualatin-Sherwood to Fred Meyer, better I-5 lane signage, add red light camera | ● | ● | ○ | ● | ● | N/A | ● |
| | D6 | Improve signs to direct traffic to correct street | ● | N/A | N/A | N/A | N/A | N/A | ○ |
| | <u>D7</u> | Add traffic signal at 97th Ave and Tualatin-Sherwood Rd | ● | ● | ● | ● | ● | N/A | ● |

| | ID | Project Idea | Access / Mobility | Safety | Vibrant Community | Economy | Health / Environment | Equity | Ability to be Implemented |
|--------------|-----|---|----------------------|--------|----------------------|---------|-------------------------|--------|------------------------------|
| | | | | | | | | | |
| Other, Cont. | D8 | Improve visibility, add signal restrict left turns from 108th onto Tualatin | ☐ | ☐ | ☐ | ○ | ☐ | ☐ | ☐ |
| | D9 | Add a signal at Tualatin Rd and Teton Ave/Jurgens Rd | ☐ | N/A | ☐ | ☐ | ☐ | ☐ | ☐ |
| | D10 | Improve Tualatin-Sherwood and Martinazzi signal timing | ☐ | N/A | N/A | ☐ | N/A | N/A | ☐ |
| | D11 | Encourage off-peak usage on Herman Rd and Tualatin-Sherwood Rd | ☐ | N/A | N/A | ☐ | ● | N/A | ☐ |
| | D12 | Make "Truck Route" signs larger | N/A | N/A | ☐ | ☐ | N/A | N/A | ☐ |
| | D13 | Add traffic calming on Tualatin Road | ○ | ☐ | ● | ○ | ☐ | ● | ☐ |
| | D14 | Add measures to reduce truck traffic on local and minor streets | ○ | ● | ● | ○ | ☐ | ● | ☐ |
| | D15 | Improve turning radius from Herman Rd northbound onto 108th Ave | ☐ | ☐ | N/A | ☐ | N/A | N/A | ☐ |
| | D16 | Increase speed limit to 40 or 45 MPH on 124th Ave | ☐ | N/A | N/A | ☐ | N/A | N/A | ☐ |
| | D17 | Reconfigure the intersection of 115th and Tualatin-Sherwood | ☐ | ☐ | N/A | ☐ | N/A | N/A | ☐ |
| | D18 | Improve turning radius from Tualatin-Sherwood to Cipole | ☐ | ☐ | N/A | ☐ | N/A | N/A | ☐ |
| | D19 | Improve NB right and left turns onto Herman | ☐ | ☐ | N/A | ● | N/A | N/A | ☐ |
| | D20 | Improve southbound left turns at 63rd and Lower Boones Ferry | ☐ | ☐ | N/A | ☐ | N/A | N/A | ☐ |
| | D21 | Improve SB left turns from Jurgens and 106th onto Tualatin | ☐ | ☐ | N/A | ☐ | N/A | N/A | ☐ |
| | D22 | Improve 65th Ave south across I-205; widen and address dip in the roadway | ☐ | ☐ | N/A | ☐ | N/A | N/A | ☐ |
| | D23 | Ensure that future roundabout designs can accommodate larger trucks | ☐ | ● | N/A | ☐ | N/A | N/A | ☐ |



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
- A3 Provide an undercrossing for Nyberg through traffic under I-5 to avoid signal/conflicts. Create an urban interchange.
- A4 Reconsider the connection between 99W and Tualatin-Sherwood Rd (*note: in Sherwood*)
- 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.
- A8 Close 90th Ave to 18-wheel trucks
- A9 Improvements to help mobility of through-traffic (Tualatin-Sherwood Rd)
- A10 Create a loop road around central downtown, with a turn radius that works for trucks
- 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
- B3 *General* - Provide bus from Clackamas MAX stop to WES for employees

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
- D4 Move industrial area to the SW area (no direct truck route), change to multi family residential, or buffer existing neighborhood better from industrial area
- 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

Connectivity-Focused Ideas

- C1 Add connection and entry to I-205
- C2 Provide direct connection between Herman Rd & Boones Ferry Rd. Consider a tunnel.
- C3 Add a connection to Hall Blvd/Tigard
- 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 Improve connection between Tualatin Rd and Boones Ferry Rd; add signal
- 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)

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)