



FREIGHT MOBILITY STRATEGIC INVESTMENT BOARD

Prioritization of Prominent Road Rail Conflicts in Washington State

Advisory Committee Meeting

January 29, 2017 | 10:00 am - 2:00 pm

**FMSIB Office
505 Union Avenue SE, Suite 350
Olympia, WA 98504**

AGENDA

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|--------------|---|------------------------------------|
| 10:00 | Welcome and Introductions | Brian Ziegler, FMSIB |
| | <ul style="list-style-type: none">• Agenda overview | |
| 10:10 | Recap of Meeting with MPO/RTPO Coordinating Committee | Brian |
| | <ul style="list-style-type: none">• Summary of feedback received• Next steps and expectations | |
| 11:00 | Project Schedule | Brian / Jon Pascal, Transpo |
| | <ul style="list-style-type: none">• Overview of project schedule• Critical path items | |
| 11:30 | Phase 2 Draft Scope of Work | Jon / Allegra, BERK |
| | <ul style="list-style-type: none">• Key tasks• Optional elements | |
| 12:00 | <i>Working Lunch</i> | |
| 12:30 | Criteria for Prioritizing Projects | Allegra, Jon |
| | <ul style="list-style-type: none">• How should the project benefits be captured?• What types of criteria are most important?• How do the criteria relate to each of the three tiers of projects?• Can the criteria make use of Phase 1 criteria? | |
| 1:50 | Next Steps and Roundtable | Allegra, Brian |
| 2:00 | Adjourn | |



PRIORITIZATION OF PROMINENT ROAD-RAIL CONFLICTS

FMSIB Advisory Group

January 29, 2017

MEETING AGENDA

- Welcome & Introductions
- MPO/RTPO Meeting Recap
- Project Schedule
- Scope of Work
- Criteria for Prioritizing Projects
- Next Steps



LEGISLATIVE DIRECTION FOR THE PROJECT

Engrossed Substitute Senate Bill SB 5096 (2017), Section 206:

The appropriation in this section is subject to the following conditions and limitations: \$60,000 of the motor vehicle account—state appropriation is provided solely for the board, from amounts set aside out of statewide fuel taxes distributed to cities according to RCW 46.68.110(2), to manage and update the road-rail conflicts database produced as a result of the joint transportation committee's "Study of Road-rail Conflicts in Cities (2016)." The board shall update the database using data from the most recent versions of the Washington state freight and goods transportation system update, marine cargo forecast, and other relevant sources. The database must continue to identify prominent road-rail conflicts that will help to inform strategic state investment for freight mobility statewide. The board shall form a committee including, but not limited to, representatives from local governments, the department of transportation, the utilities and transportation commission, and relevant stakeholders to identify and recommend a statewide list of projects using a corridor-based approach. The board shall provide the list to the transportation committees of the legislature and the office of financial management **by September 1, 2018**.

MPO/RTPO MEETING RECAP

**Request sent to MPO/RTPOs*

Based on the Phase 1 list of conflict priorities, sort them into 3 tiers for your region:

1. Tier 1 – Projects that are in design and awaiting full construction
2. Tier 2 – Projects that are planned with no design completed
3. Tier 3 – A crossing in the Top 100, but no project has been studied, scoped, or identified



SCHEDULE

	2018							
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug
TASKS								
Review Project Data from MPO/RTPOs								
Develop Project Evaluation Process								
Prepare Project Priorities								
Finalize Project Recommendations								
MEETINGS								
Advisory Committee Meeting	1			2			3	
MPO/RTPO Coordinating Committee		1			2			
FMSIB Board							★	
							*Legislative Deadline (9/1/18)	

SCOPE OF WORK

Phase 2: Completed by September 1, 2018

1. Project Management and Meetings
2. Develop Project Evaluation Process
3. Prioritize Projects
4. Optional Tasks
 - a) FMSIB Presentation Support
 - b) Update Online Database
 - c) Project Costing Support
 - d) Prepare Solutions Toolbox
 - e) Perform Additional Analysis



CRITERIA FOR PRIORITIZING PROJECTS

Questions For Discussion

- What types of criteria are most important?
- How do the criteria relate to each of the three tiers of projects?
- Can the criteria make use of Phase 1 criteria?
- How should the project benefits be captured?

CRITERIA FOR PRIORITIZING PROJECTS

Projects that are in design and awaiting full construction

TIER 1



1. Description of Project
2. Costs
3. Benefits

Projects that are planned with no design completed

TIER 2



1. Description of Project
2. Costs
3. Benefits

A crossing in the Top 100, but no project has been studied, scoped, or identified

TIER 3



1. Phase 1 Ranking*

PROJECT CATEGORIES FOR TIER 1 & 2

Category

Type of Improvement

Grade Separation



Bridge or Overpass

Pedestrian Only Grade Separation



Pedestrian Bridge

Safety Enhancements



- Signs
- Gates
- Lights
- Quiet Zone

Mobility Solutions



- ITS / Adaptive Signal Control
- Dynamic Signage / Traveler Information Systems
- Signal Interconnects / Pre-emption

HOW TO MEASURE PROJECT BENEFITS

MEASURING PROJECT BENEFITS (AN EXAMPLE)

Grade Separation Project

	<u>BEFORE</u>	<u>AFTER</u>	
1. PHASE 1 SCORE	52	74	(Reduced delay, improved safety, etc.)

2. CALCULATE DIFFERENTIAL	74 - 52	=	+22
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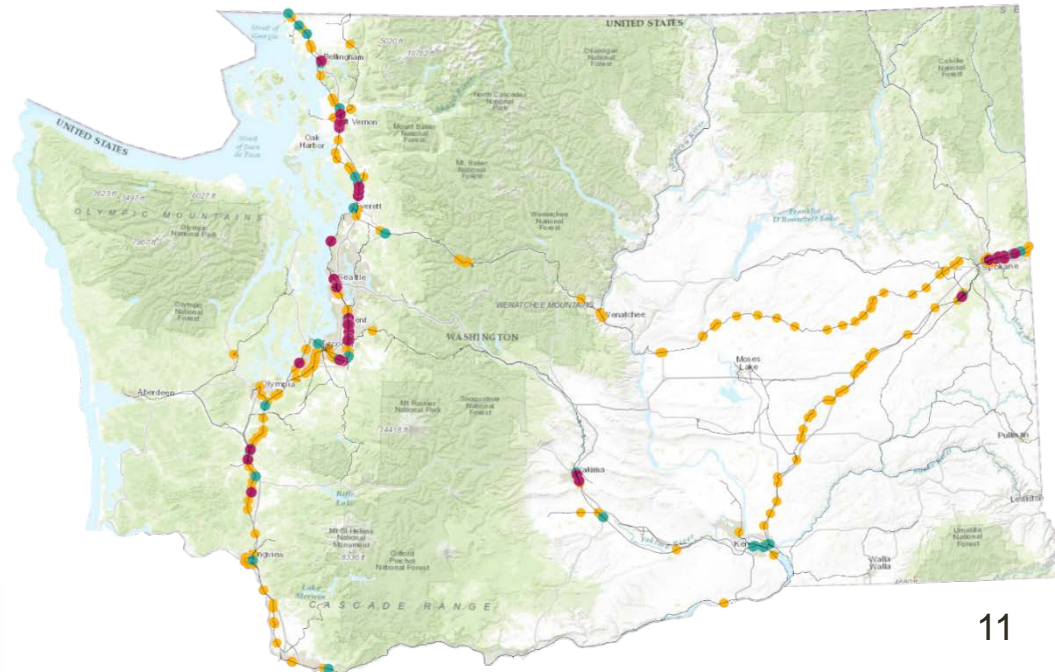
3. NORMALIZE USING TOTAL COST

\$25,000,000	/	22	=	1,136,364
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TIER 3 PROJECT EVALUATION CRITERIA

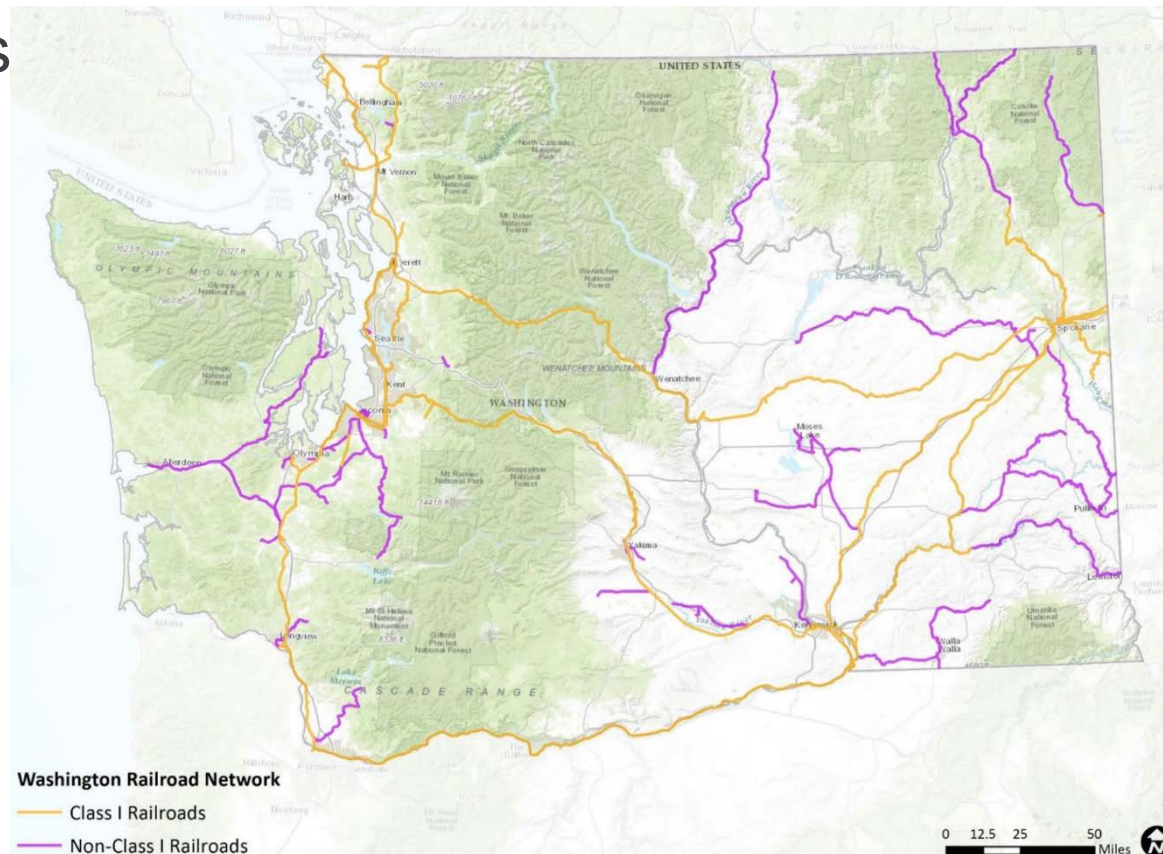
Utilize Criteria from Phase 1 Study Effort

1. Incorporate updated data where available
2. Update crossing rankings
3. Prioritize Tier 3 projects based on ranking



NEXT STEPS

1. Confirm Project Evaluation Process
2. Evaluate Projects



MORE INFO

<http://leg.wa.gov/JTC/Pages/Road-Rail-Study.aspx>

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Exhibit A - Scope of Services

Client Name:	Freight Mobility Strategic Investment Board		
Project Name:	Road-Rail Project - Phase 2 Efforts		
Exhibit Dated:	January 22, 2018	TG:	15347.P1

Background

The scope of work is based on the following legislative direction:

Engrossed Substitute Senate Bill SB 5096 (2017), Section 206:

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Scope of Services

The following scope of work has been developed through discussions with FMSIB staff.

TASK 1 Project Management and Meetings

This task will include general project management, project team meetings, and preparation and attendance at advisory committee meetings.

Project Management

Progress reports and invoices will be prepared on a monthly basis and provided to FMSIB. Project team telephone calls will be held regularly to review key deliverables, milestones, schedule, and to coordinate on upcoming advisory committee meetings. The phone calls will include FMSIB staff and key consultant team members.

Advisory Committee Meetings

The consultant team will prepare for and facilitate three Advisory Committee meetings. Meeting agendas and materials will be prepared. The consultant will assemble presentation materials for each advisory committee meeting. The presentation materials will be developed based on materials produced as part of each of the project tasks. The consultant will work closely with FMSIB staff to finalize the presentation materials ahead of the meetings, then attend each of the 3 meetings to obtain input on key study task items.

The schedule calls for meetings with the committee in January, April, and July. The preliminary meeting plan for the committee has been prepared and is described below.

- Meeting #1: Confirm Project Evaluation Criteria

- Meeting #2: Provide Feedback on Project Priorities
- Meeting #3: Confirm Recommended Project Priorities

Consultant Deliverables

- *Monthly progress reports*
- *Advisory committee meeting materials (in Word and PPT Presentation format)*
- *Meeting facilitation*

FMSIB Responsibilities

- *Communication with Advisory Committee members*
- *Organize and host Advisory Committee meetings*
- *Prepare minutes and list of action items from Advisory Committee meetings*

TASK 2 Develop Project Evaluation Process

The consultant will work to develop a process by which to evaluate project information provided by each MPO/RTPO. The process will utilize feedback from the Advisory Committee to identify key criteria for which to prioritize the projects.

Review and Summarize Project Data

The team will review and summarize project information and data provided by the MPO/RTPOs regarding a call for information sent out by FMSIB in December 2017. The projects or crossings provided by the MPO/RTPOs are assumed to be sorted into the following three tiers:

- Tier 1 – Projects that are in design and awaiting full construction funding.
- Tier 2 – Projects that are planned and/or scoped but have not proceeded to engineering or design of any substantial kind.
- Tier 3 – A Road-Rail conflict ranked in the Top 100 from Phase 1, but for which no project has been studied, scoped, or identified in the regional plan for that location.

The list of projects provided by the MPO/RTPOs will be organized by Tier. In addition, any updated data received from the MPO/RTPOs will be reviewed. Based on the data review, the data may be incorporated into the prioritization effort, where applicable.

Identify Criteria

The team will work with the Advisory Committee to identify the types of information that will be necessary to use as criteria for prioritizing the projects. The criteria selected will likely be different depending on the project tier. In all cases, the criteria from the Phase 1 study effort will be utilized wherever feasible.

Develop Prioritization Process

A prioritization process will be developed utilizing the evaluation criteria. For projects that fall within either the Tier 2 or 3 category, it is likely the project prioritization process will be similar to the prioritization process developed as part of the Phase 1 study effort. The prioritization process will be shared with the Advisory Committee to incorporate their feedback.

Consultant Deliverables

- *Summary of project data (in Excel format)*
- *Summary of the evaluation criteria and prioritization process (in PPT Presentation format)*

FMSIB Responsibilities

- *Provide project data from MPO/RTPOs in electronic format*

TASK 3 *Prioritize Projects*

Using the evaluation criteria and prioritization process developed in the prior task, the projects submitted by the MPO/RTPOs will be prioritized and a summary report will be prepared.

Evaluate Projects

Each of the projects will be prioritized by project Tier utilizing the prioritization process and evaluation criteria developed in the prior task. Where new data has been provided by the MPO/RTPO, the new data will be incorporated in the prioritization effort in order to utilize more recent and representative data from the local jurisdiction. A draft set of project priorities in spreadsheet format will be prepared and summarized by project Tier.

Finalize Recommendations

The draft set of priorities will be reviewed by the Advisory Committee for feedback. Based on the feedback, potential modifications to the project prioritization process may be incorporated to best reflect a corridor based approach. The project priorities will then be finalized.

Prepare Summary Report

The evaluation process and project priority recommendations will be summarized into a draft and final report. Based on one round of comments from the Advisory Committee and FMSIB staff, the report will be finalized for distribution to the FMSIB Board of Directors.

Consultant Deliverables

- *Draft report (Word and PDF format)*
- *Draft final report (Word and PDF format)*

FMSIB Responsibilities

- *Consolidated set of comments on the draft report*

TASK 4 *OPTIONAL TASKS*

1. Presentation materials and attendance at the FMSIB Board meeting
2. Update Online Database with more recent data obtained from MPO/RTPOs
3. Prepare and evaluate additional prioritization processes
4. Develop planning level costs for Tier 2 or Tier 3 projects
5. Prepare “toolbox” of crossing options that jurisdictions may consider as solutions and which fit within each of the project Tiers
6. Perform additional benefit/cost analysis