

5. What Options Were Considered?

- Alternatives Analysis
- Top Scoring Alternatives



Alternatives Analysis Study Process

Phase 1 2013

I-5 Corridor Plan Feasibility Study

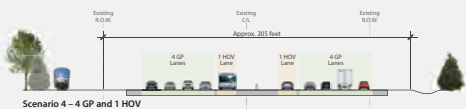
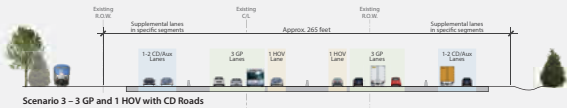


I-5 JBLM Vicinity IJR and Environmental Documentation
Phase 1 – Corridor Plan Feasibility Study

January 2014

LOCHNER GROUP A CONSULTING ENGINEERS

Focus on I-5 Mainline and Interchanges



Phase 2

Brainstorm Alternatives



172 options from
brainstormed ideas



Brainstorming Participants

- City of DuPont
- Town of Steilacoom
- Pierce County
- Nisqually Tribe
- City of Lakewood
- JBLM
- WSDOT
- Pierce Transit
- Intercity Transit
- Sound Transit
- TRPC
- WSDOT CTR
- JBLM CTR
- FHWA

Screening Process

Step 1

Fatal flaw analysis

Step 2

Evaluate I-5
benefit

Step 1 Criteria

- Regulatory/Legal Issues
- Operations on I-5 Mainline
- Operations on Local Streets
- Military Security Issues
- Reasonableness/Feasibility

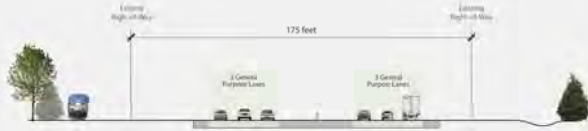
Alternative Analysis and
Environmental Scoping

Environmental Documentation and
Interchange Justification Report

Preliminary Alternatives

Alternatives Resulting in No Change to I-5

NO ACTION (P1)



ENHANCED TRANSIT (P2)



- Enhanced Transit Service (15 minute headways)
- Lacey to DuPont P&R to Main Gate to Lakewood
 - Lacey to Yelm to East Gate to Spanaway or Puyallup
 - Lacey to SR 512 P&R to Downtown Tacoma
 - Spanaway to Lakewood to Lacey
 - Lacey to Main Gate to Lakewood
 - Expanded on-base shuttle system that matches the off-base transit schedule

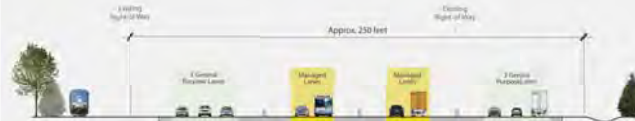
ENHANCED TRANSIT + 9 LOCAL ROADS (P3)



- B-3: Gravelly to Thorne connector
- B-13: Widen SR 507, McKenna to East Gate (north of Roy)
- B-17: East half of Cross Base Highway
- C-7: South A Rd. extension
- C-8: Joint Base Connector
- C-9: Fairview Road (extends Joint Base Connector further north)
- C-15: New Arterial – Mounts to Madigan
- C-21: New Collector – DuPont Gate to East Gate
- C-30: Synchronize signals on Pendleton & Jackson

Alternatives Resulting in Changes to I-5

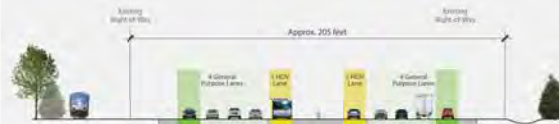
I-5 EXPRESS LANES (P4) + LOCAL ROADS (P4A)



I-5 HOV LANE AND C/D ROADWAYS (P5) + LOCAL ROADS (P5A)



I-5 HOV LANE + GP LANE (P6) + LOCAL ROADS (P6A)



I-5 HOV LANE (P7) + LOCAL ROADS AND TRANSIT (P7A)* + LOCAL ROADS (P7B) + LOCAL ROADS, TRANSIT AND JBLM FRONTAGE ROAD (P7C)



*Same as P2 transit

P4 THROUGH P7B – LOCAL ROAD OPTIONS

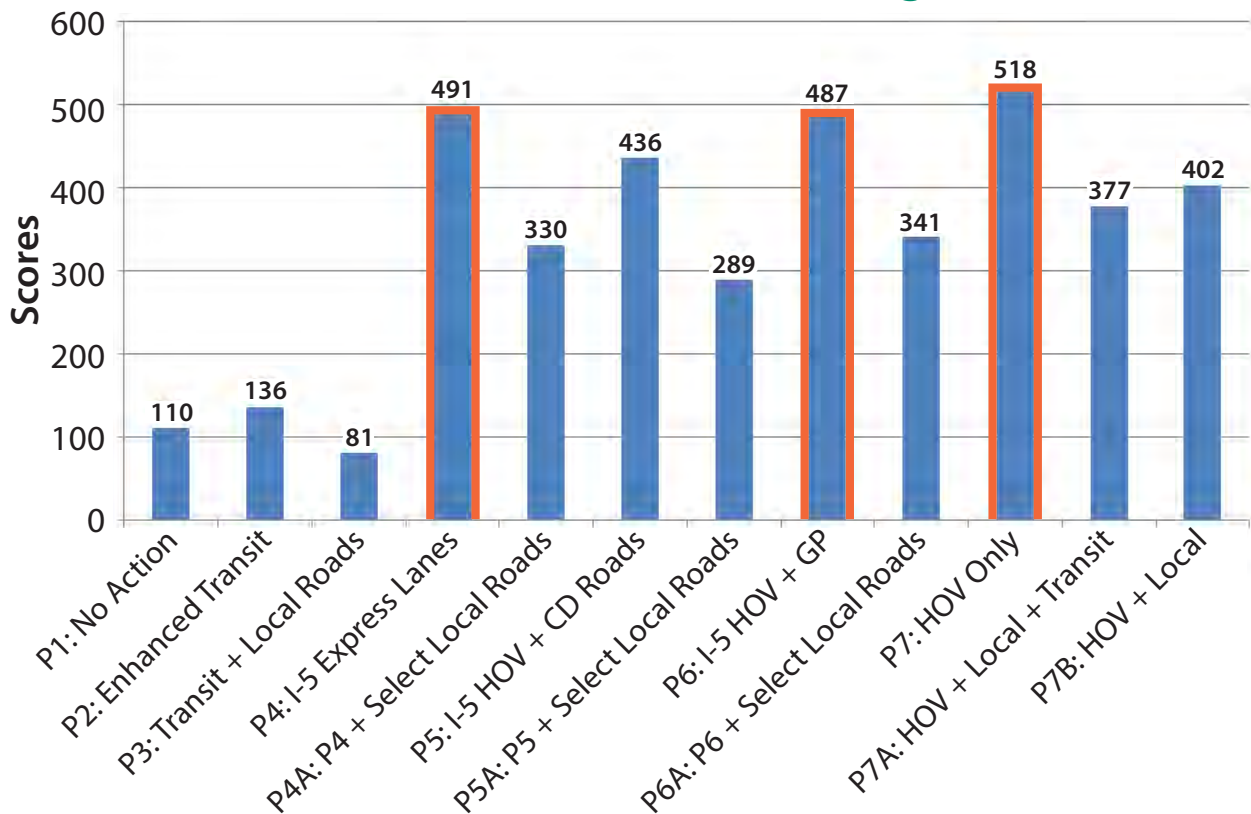


P7C – LOCAL ROAD OPTIONS + JBLM FRONTAGE ROAD

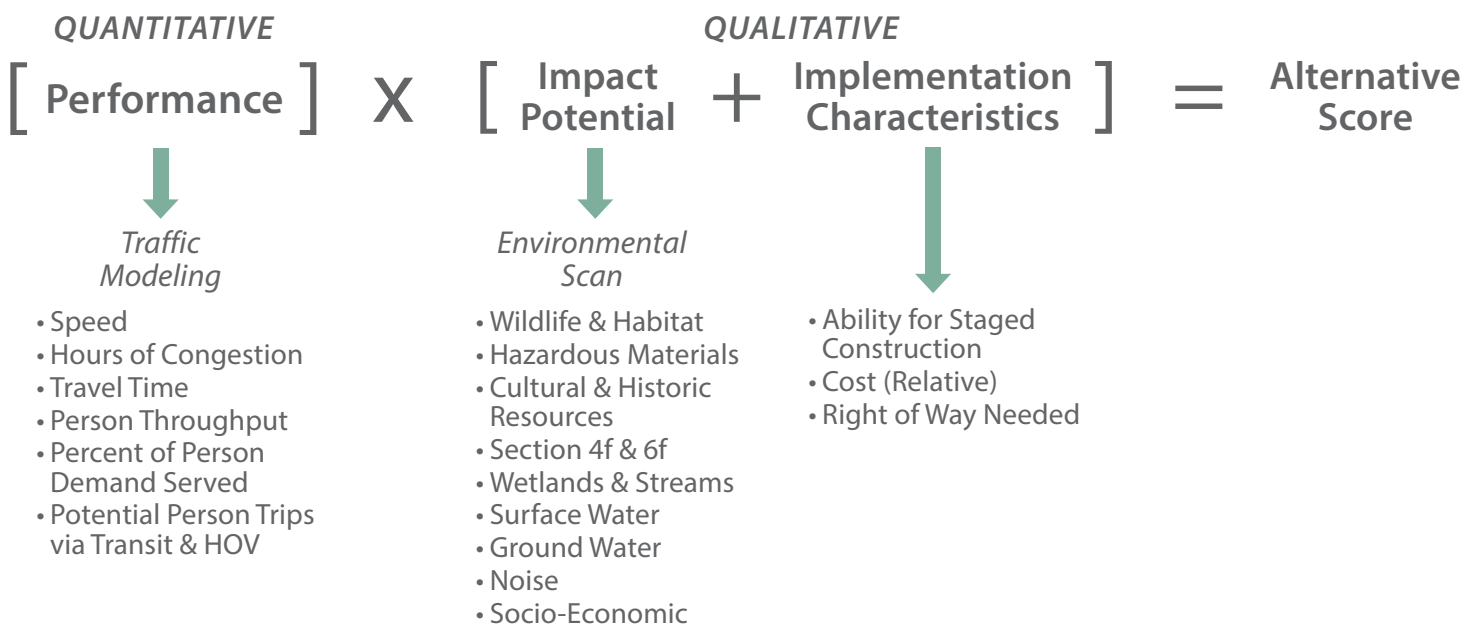


Alternative Scoring

Total Scores I-5 JBLM Alternative Packages



Scoring Process for Alternatives



Top Scoring Alternatives

P4: Add Express Lanes

518 PTS 2020

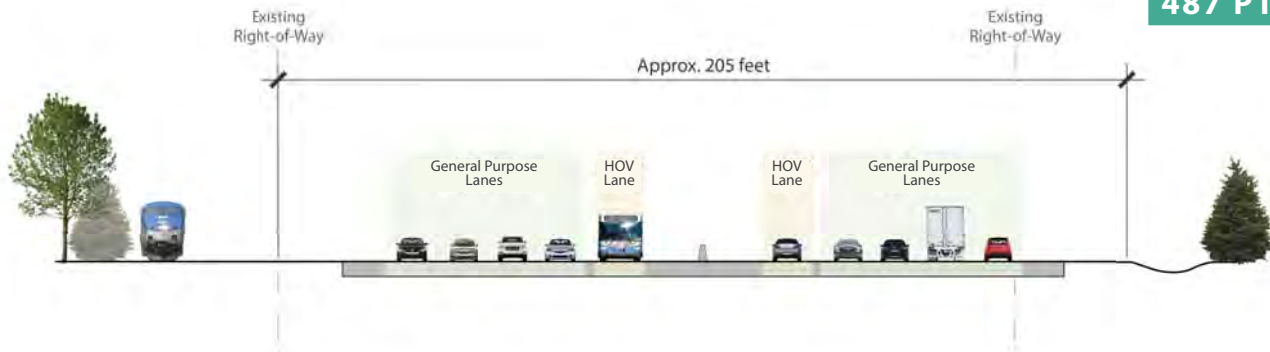
491 PTS 2040



P6: General Purpose & HOV Lanes

520 PTS 2020

487 PTS 2040



P7: Add HOV Lanes

578 PTS 2020

518 PTS 2040

