

AT-GRADE IMPROVEMENTS

1A CONGESTION RELIEF Delay without Train Blockages	▲
1B CONGESTION RELIEF Delay with Train Blockages	▼
1C TRAVEL RELIABILITY Recovery Time After Train Blockage Ends	▼
1D TRAVEL RELIABILITY Probability Any Vehicle Trip is Interrupted by Train Blockage	▼
1E TRAVEL RELIABILITY Probability Emergency Response Trip is Interrupted by Train Blockage	▼

DOES CONCEPT ADVANCE TO NEXT SCREENING?

No
Does not improve travel reliability or adequately accommodate vehicle movement in all future conditions; does not maintain or improve emergency response.

LEGEND

■ At Grade	— Existing Rail Line
■ Walls with Embankment	— Future Extension of Port Rail
■ Bridge	— Bridge

This graphic is conceptual in nature and subject to change. It does not show how local conditions (like existing utility and development) might influence how we set or have selected for solutions in the draft EIS.



GRADE-SEPARATED INTERSECTION: OPTION A

1A CONGESTION RELIEF Delay without Train Blockages	▲
1B CONGESTION RELIEF Delay with Train Blockages	▲
1C TRAVEL RELIABILITY Recovery Time After Train Blockage Ends	▲
1D TRAVEL RELIABILITY Probability Any Vehicle Trip is Interrupted by Train Blockage	▲
1E TRAVEL RELIABILITY Probability Emergency Response Trip is Interrupted by Train Blockage	▲

DOES CONCEPT ADVANCE TO NEXT SCREENING?

Yes

LEGEND

■ At Grade	— Existing Rail Line
■ Walls with Embankment	— Future Extension of Port Rail
■ Bridge	— Bridge

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GRADE-SEPARATED INTERSECTION: OPTION B

1A CONGESTION RELIEF Delay without Train Blockages	●
1B CONGESTION RELIEF Delay with Train Blockages	●
1C TRAVEL RELIABILITY Recovery Time After Train Blockage Ends	▲
1D TRAVEL RELIABILITY Probability Any Vehicle Trip is Interrupted by Train Blockage	▲
1E TRAVEL RELIABILITY Probability Emergency Response Trip is Interrupted by Train Blockage	▲

DOES CONCEPT ADVANCE TO NEXT SCREENING?

Yes

LEGEND

■ At Grade	— Existing Rail Line
■ Walls with Embankment	— Future Extension of Port Rail
■ Bridge	— Bridge

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PARTIAL GRADE-SEPARATED (PGS) INTERSECTION: OPTION A

1A CONGESTION RELIEF Delay without Train Blockages	▲
1B CONGESTION RELIEF Delay with Train Blockages	▼
1C TRAVEL RELIABILITY Recovery Time After Train Blockage Ends	■
1D TRAVEL RELIABILITY Probability Any Vehicle Trip is Interrupted by Train Blockage	■
1E TRAVEL RELIABILITY Probability Emergency Response Trip is Interrupted by Train Blockage	■

DOES CONCEPT ADVANCE TO NEXT SCREENING?

No
Does not improve travel reliability or adequately accommodate vehicle movement in all future conditions; does not maintain or improve emergency response.

LEGEND

■ At Grade	— Existing Rail Line
■ Walls with Embankment	— Future Extension of Port Rail
■ Bridge	— Bridge

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PARTIAL GRADE-SEPARATED (PGS) INTERSECTION: OPTION B

1A CONGESTION RELIEF Delay without Train Blockages	▲
1B CONGESTION RELIEF Delay with Train Blockages	▲
1C TRAVEL RELIABILITY Recovery Time After Train Blockage Ends	●
1D TRAVEL RELIABILITY Probability Any Vehicle Trip is Interrupted by Train Blockage	●
1E TRAVEL RELIABILITY Probability Emergency Response Trip is Interrupted by Train Blockage	▲

DOES CONCEPT ADVANCE TO NEXT SCREENING?

Yes

LEGEND

■ At Grade	— Existing Rail Line
■ Walls with Embankment	— Future Extension of Port Rail
■ Bridge	— Bridge

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PARTIAL GRADE-SEPARATED (PGS) INTERSECTION: OPTION C

1A CONGESTION RELIEF Delay without Train Blockages	▲
1B CONGESTION RELIEF Delay with Train Blockages	▲
1C TRAVEL RELIABILITY Recovery Time After Train Blockage Ends	●
1D TRAVEL RELIABILITY Probability Any Vehicle Trip is Interrupted by Train Blockage	●
1E TRAVEL RELIABILITY Probability Emergency Response Trip is Interrupted by Train Blockage	▲

DOES CONCEPT ADVANCE TO NEXT SCREENING?

Yes

LEGEND

■ At Grade	— Existing Rail Line
■ Walls with Embankment	— Future Extension of Port Rail
■ Bridge	— Bridge

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PARTIAL GRADE-SEPARATED (PGS) INTERSECTION: OPTION D

1A CONGESTION RELIEF Delay without Train Blockages	▲
1B CONGESTION RELIEF Delay with Train Blockages	●
1C TRAVEL RELIABILITY Recovery Time After Train Blockage Ends	■
1D TRAVEL RELIABILITY Probability Any Vehicle Trip is Interrupted by Train Blockage	●
1E TRAVEL RELIABILITY Probability Emergency Response Trip is Interrupted by Train Blockage	●

DOES CONCEPT ADVANCE TO NEXT SCREENING?

No
Other PGS alternatives (PGS-B and PGS-C) perform better for emergency service providers and provide better recovery time and lower delay for other traffic.

LEGEND

■ At Grade	— Existing Rail Line
■ Walls with Embankment	— Future Extension of Port Rail
■ Bridge	— Bridge

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PARTIAL GRADE-SEPARATED (PGS) INTERSECTION: OPTION E

1A CONGESTION RELIEF Delay without Train Blockages	▲
1B CONGESTION RELIEF Delay with Train Blockages	▲
1C TRAVEL RELIABILITY Recovery Time After Train Blockage Ends	■
1D TRAVEL RELIABILITY Probability Any Vehicle Trip is Interrupted by Train Blockage	●
1E TRAVEL RELIABILITY Probability Emergency Response Trip is Interrupted by Train Blockage	▼

DOES CONCEPT ADVANCE TO NEXT SCREENING?

No
Other PGS alternatives (PGS-B and PGS-C) perform better for emergency service providers, provide better recovery time and lower delay for other traffic, and do not have potential local network impacts on SR Oregon Way.

LEGEND

■ At Grade	— Existing Rail Line
■ Walls with Embankment	— Future Extension of Port Rail
■ Bridge	— Bridge

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PARTIAL GRADE-SEPARATED (PGS) INTERSECTION: OPTION F

1A CONGESTION RELIEF Delay without Train Blockages	▲
1B CONGESTION RELIEF Delay with Train Blockages	▲
1C TRAVEL RELIABILITY Recovery Time After Train Blockage Ends	■
1D TRAVEL RELIABILITY Probability Any Vehicle Trip is Interrupted by Train Blockage	●
1E TRAVEL RELIABILITY Probability Emergency Response Trip is Interrupted by Train Blockage	●

DOES CONCEPT ADVANCE TO NEXT SCREENING?

No
Other PGS alternatives (PGS-B and PGS-C) perform better for emergency service providers and provide better recovery time and lower delay for other traffic, introducing a new flow facility to coordinate with other grade-separated intersections in the corridor.

LEGEND

■ At Grade	— Existing Rail Line
■ Walls with Embankment	— Future Extension of Port Rail
■ Bridge	— Bridge

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