



I-11 & Intermountain West Corridor Study

Las Vegas Metropolitan Area Segment


Level 2 Preliminary Evaluation Results



In partnership with




Public Online Feedback, February 2014



Presentation Format and Feedback Opportunity


- This presentation provides an overview of the latest analysis completed for the Las Vegas Metropolitan Segment of the Congressionally Designated Corridor.
- After viewing this presentation you can provide feedback using an online questionnaire designed for this segment.
- A presentation providing a thorough overview of the I-11 and Intermountain West Corridor Study is available.
- The online questionnaire will be available through February 28, 2014.

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Presentation Outline

- Alternatives and the evaluation process
- Results of Level 1 screening
- Preliminary Draft results of Level 2 screening
- How you can provide feedback



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Alternatives and the Evaluation Process

I-11 Intermountain West Corridor Study Universe of Alternatives

- Future Connectivity Segments: broad arrows that could include various existing and/or new corridors.
- Congressionally Designated Segments: generalized corridor alternatives.

Legend:

- County Boundaries
- State Boundaries
- Future Boundaries
- Interstate/Expressway
- State Highway
- Roadway
- Urban Growth Boundary
- Urban
- Suburban
- Unincorporated
- State Park Service
- U.S. Forest Service
- State Land
- State Wildlife Area
- U.S. Forest Service
- State Land
- State Wildlife Area
- U.S. Forest Service
- State Land
- State Wildlife Area

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I-11 Intermountain West Corridor Study Evaluation Process

- “Alternative” is a corridor containing one or more modes (e.g., highway, rail)
 - Alternatives could consist of a new or existing transportation facility, or a combination of both
- Alternatives were evaluated using criteria that was measured qualitatively (Level 1) and quantitatively (Level 2)

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Level 1 Evaluation Recommendations

Evaluation Process

- Evaluation Criteria
- Universe of Alternatives
- Level 1 Screening
- Level 2 Screening
- Recommended Alternatives

Move five corridor alternatives to Level 2 screening.

Alternative Y

Alternative Z

Alternative AA

Alternative BB

Alternative QQ

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Level 2 Evaluation Approach: Las Vegas Metropolitan Area

Evaluation Process

- Evaluation Criteria
- Universe of Alternatives
- Level 1 Screening
- Level 2 Screening
- Recommended Alternatives

- **An opportunity was identified for a hybrid alternative**, fatal flaws identified by stakeholders resulted in merging the eastern portion of Alternative BB and the western portion of Alternative QQ
- **Alternative AA** was subsequently deemed to be fatally flawed and removed from further analysis because it did not connect to a recommended corridor connection in Northern Nevada

REMOVE Alternative

Alternative BB-QQ

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I-11 Level 2 Evaluation Results: Y

Las Vegas Metropolitan Area: Alternative Y

All information presented is preliminary and subject to revision. Specific alignments, routing and definitions would occur in future, detailed analysis.

Opportunities

- Minimal environmental impacts
- Compatible with land ownership patterns
- Low preliminary estimated cost

Constraints

- Adds traffic through densely populated areas
- Inconsistent with adjacent residential land uses
- Cannot accommodate multiple modes/uses
- High air quality impacts adding traffic through a densely populated area

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I-11 Level 2 Evaluation Results: Z

Las Vegas Metropolitan Area: Alternative Z

All information presented is preliminary and subject to revision. Specific alignments, routing and definitions would occur in future, detailed analysis.

Opportunities

- Fewer environmental impacts, as alternative utilizes existing corridors

Constraints

- Multiple constraints with added traffic through densely populated areas (operational, air quality, environmental justice, etc.)
- Highest projected total vehicle hours of delays; poor travel speeds
- Highest estimated total cost

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Level 2 Evaluation Results: BB-QQ

**Las Vegas Metropolitan Area:
Alternative BB-QQ**

All information presented is preliminary and subject to revision. Specific alignments, routing and definitions would occur in future, detailed analysis.

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Opportunities

- High travel time savings, lesser anticipated delays (bypasses core of Las Vegas Valley)
- Provides more direct route to major industrial and logistics facilities
- Contains long-term planned transportation improvements

Constraints

- Targeted, high impact environmental constraints
- Incompatibility with some land use and land ownership patterns

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Level 2 Evaluation Results by Category

Alternative	Evaluation Category							
	Modal Interrelationships	Capacity/ Congestion	Economic Vitality	Transportation Plans / Policies	Environmental Sustainability	Land Use and Ownership	Community Acceptance	Cost
Y	Yellow	Yellow	Orange	Yellow	Yellow	Green	Not yet evaluated	Green
Z	Yellow	Yellow	Yellow	Yellow	Green	Yellow	Not yet evaluated	Red
BB-QQ	Green	Green	Green	Yellow	Orange	Green	Not yet evaluated	Orange

Most Favorable


Somewhat Favorable

Moderately Favorable

Less Favorable


Least Favorable

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Preliminary Recommendation: Alternative BB-QQ

- Reasonable alternative for the I-11 corridor to be carried into future planning and environmental analyses based on the Level 2 Evaluation results
- Pending potential revisions based on additional input received from the Core Agency Partners, Stakeholder Partners and the public




Alternative BB-QQ

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How to Provide Feedback



How to Provide Feedback

- Complete online questionnaire regarding this Corridor segment.
- Review other Corridor segment analysis and complete corresponding questionnaires.
- The questionnaires will be available online through February 28, 2014.
- Comments are always welcome throughout the study.



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