


I-11 & Intermountain West Corridor Study

Phoenix Metropolitan Area Segment


Level 2 Preliminary Evaluation Results



In partnership with

MARICOPA ASSOCIATION of GOVERNMENTS U.S. Department of Transportation Federal Highway Administration Federal Railroad Administration RTC RTCSNV.COM


Public Online Feedback, February 2014



Presentation Format and Feedback Opportunity


- This presentation provides an overview of the latest analysis completed for the Phoenix Metropolitan Area 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

- Project overview and background
- 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:

- National Boundaries
- State Boundaries
- County Boundaries
- International Commerce
- Major US Highways
- Roadway
- Boundary of Land Management
- Boundary of Jurisdiction
- State Land
- Local or State Parks
- Water
- National Park Service
- Other
- State Land
- State Water Area
- U.S. Forest Service
- Controlled Airspace

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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)

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 G

Alternative H

Alternative I

Alternative LL

Alternative MM

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Level 2 Evaluation Approach: Phoenix Metropolitan Area

Evaluation Process


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


- Split Level 1 recommended alternatives north and south of I-10
 - 2 alternatives north of I-10
 - 5 alternatives south of I-10
- Allowed for more focused evaluation to identify targeted issue areas
- Resulted in opportunity for hybrid alternatives to minimize impacts

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Level 2 Evaluation Results: G/H/LL/MM - North





Phoenix Metropolitan Area: Alternative G/H/LL/MM-North

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


- Consistent with local and statewide planning efforts
- Ability to accommodate multiple modes/uses
- Land uses compatible with implementing major trade corridor


Constraints

- Potential habitat and land ownership constraints
- Potential impact to sensitive species, habitat and wildlife movements




Level 2 Evaluation Results: I - North





Phoenix Metropolitan Area: Alternative I-North

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

- Avoids planned BLM Vulture Mountains Cooperative Recreation Management Area

Constraints


- Limited ability to accommodate multiple uses
- Not consistent with local, regional or statewide plans
- High impact anticipated to sensitive species, habitat and wildlife movements, and conservation areas



Level 2 Evaluation Results: G - South

**Phoenix Metropolitan Area:
Alternative G-South**

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

- Consistent with local and statewide planning efforts
- Compatible with land ownership categories
- Ability to accommodate multiple modes/uses

Constraints

- High impact anticipated to sensitive species, habitat and wildlife movements
- Potential cultural resource impacts


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Level 2 Evaluation Results: H - South

**Phoenix Metropolitan Area:
Alternative H-South**

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

- Minimal environmental impacts; utilize existing transportation corridors
- Lowest preliminary estimated cost


Constraints

- Minimal travel time savings


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Level 2 Evaluation Results: I - South


**Phoenix Metropolitan Area:
Alternative I-South**

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


- Land uses compatible with implementing major trade corridor
- Compatible with land ownership categories
- Avoids major environmental constraints

Constraints


- High impact anticipated to habitat and wildlife movement
- Long-term air quality impacts to populated areas



Level 2 Evaluation Results: LL - South


**Phoenix Metropolitan Area:
Alternative LL-South**

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

- Consistent with local and statewide planning efforts
- Ability to accommodate multiple modes/uses

Constraints

- More circuitous route
- Targeted, high-impact environmental constraints

Level 2 Evaluation Results: MM - South

**Phoenix Metropolitan Area:
Alternative MM-South**

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

- Uses existing roadways; avoids long-term air quality impacts to populated areas

Constraints

- Moderate to high impacts anticipated to sensitive species, habitat and wildlife movements
- Planned land uses generally not suited to enhance or be compatible with a major trade corridor

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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
G/H/LL/MM - North	Most Favorable	Somewhat Favorable	Moderately Favorable	Somewhat Favorable	Somewhat Favorable	Most Favorable	Not yet evaluated	Most Favorable
I-North	Somewhat Favorable	Most Favorable	Moderately Favorable	Less Favorable	Moderately Favorable	Most Favorable	Not yet evaluated	Somewhat Favorable
G - South	Most Favorable	Most Favorable	Most Favorable	Somewhat Favorable	Moderately Favorable	Most Favorable	Not yet evaluated	Less Favorable
H - South	Most Favorable	Most Favorable	Most Favorable	Most Favorable	Most Favorable	Most Favorable	Not yet evaluated	Somewhat Favorable
I - South	Most Favorable	Most Favorable	Most Favorable	Most Favorable	Moderately Favorable	Most Favorable	Not yet evaluated	Moderately Favorable
LL - South	Most Favorable	Most Favorable	Most Favorable	Most Favorable	Moderately Favorable	Most Favorable	Not yet evaluated	Less Favorable
MM - South	Most Favorable	Most Favorable	Most Favorable	Most Favorable	Somewhat Favorable	Most Favorable	Not yet evaluated	Somewhat Favorable

Most Favorable


Somewhat Favorable

Moderately Favorable

Less Favorable


Least Favorable

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Recommended Reasonable and Feasible Corridors?

- Reasonable range of alternatives for the I-11 corridor to be carried into more detailed NEPA analyses in future studies 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



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I-11 Preliminary Recommendations:
Phoenix Metropolitan Area

Alternative 1 North

- Alternative G/H/LL/MM-North and Alternative I-North with no modifications; new western link


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I-11 Preliminary Recommendations:
Phoenix Metropolitan Area

Alternative 2 South

- Alternative H-South with no modifications


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Preliminary Recommendations: Phoenix Metropolitan Area

Alternative 3 South


- Potential new diagonal corridor options (Alternative G-South, I-South, and LL-South)



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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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