

Screening Process Workflow

= Complete

ITEM	<input checked="" type="checkbox"/> LEVEL 1	<input checked="" type="checkbox"/> LEVEL 2		LEVEL 3*
		2A	2B	
Analysis Type	<input checked="" type="checkbox"/> Qualitative P&N Analysis and Fatal Flaw	<input checked="" type="checkbox"/> Major Env. & Traffic Demand	Schematic Design, Traffic, Env.**	H/V Geometry, Traffic Ops, Detailed Env.
Design Level	<input checked="" type="checkbox"/> Corridor Identification	<input checked="" type="checkbox"/> "Fat" Line Concepts	Single Line Sketches	Up to 15 - percent H/V Alignments
Number of Alternatives	<input checked="" type="checkbox"/> Numerous Alternatives	<input checked="" type="checkbox"/> Several Alts.	Fewer Alts.	Few Alternatives
Decision Point***	July 08 TAC	Sep 08 TAC	Feb 09 TAC	TAC

* The result of the Level 3 analysis is anticipated to be identification of a preferred alternative.

** Schematic design includes Quantm analysis.

*** TAC meetings are minimum. Additional TAC meetings are likely. Coordination w/ participating agencies will be ongoing



PYRAMID HIGHWAY



US 395 CONNECTION

Level 1 Screening Results

Alternative ID	Alternative Description	Does the improvement meet the Need of serving growth areas?		Does the improvement meet the Need of Improving east-west routes & access to Sparks and Spanish Springs?		Could the improvement meet the Need of alleviating congestion on Pyramid Highway?		Could the improvement meet the Need of alleviating congestion on Pyramid Highway?		Number of Purpose and Need Elements Met		Does the improvement have no irresolvable environmental impacts?		Does the improvement use proven technology?		Screen Out	Carry Forward as Supplementary Alternative	Carry Forward as Stand-Alone Alternative	Comments
		YES	NO	YES**	NO	YES**	NO	(1)	(2)	YES	NO	YES	NO	YES	NO				
System Alternatives																			
S-1	No-Action	NO	NO	NO	NO	NO	NO	0	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	By regulation, the No-Action Alternative is carried forward as an alternative and also serves for comparative analyses.
S-2	Widening to Obtain LOS C	YES	NO	YES	YES**	NO	NO	3	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	Does not improve east-west connections; does not respond to local corridor plans nor improve multimodal options.
S-3	Widening to Obtain LOS E	YES	NO	NO	YES**	NO	NO	2	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	Does not improve east-west connections nor resolve congestion; does not respond to local corridor plans nor improve multimodal options.
S-4	Pedestrian and Bicycle Improvements	YES	NO	NO	NO	NO	YES	1.5	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	Does not resolve congestion nor safety on Pyramid; nor improve east-west connections. Could be paired with a highway alternative. Carry forward as a supplementary alternative.
S-5	TDM Improvements	YES	NO	NO	YES**	NO	YES	2.5	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	Does not resolve congestion on Pyramid nor improve east-west connections; but could be paired with a highway alternative. Carry forward as a supplementary alternative.
S-6	TSM Improvements (including Transit Enhancements)	YES	NO	NO	YES**	NO	YES	2.5	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	Does not resolve congestion on Pyramid nor improve east-west connections; but could be paired with a highway alternative. Carry forward as a supplementary alternative.
Transit Alternatives																			
T-1	Transit - Bus Rapid Transit	YES	NO	NO	YES**	NO	YES	2.5	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	Does not resolve traffic congestion on Pyramid nor improve east-west connections, but could be paired with a managed lane highway alternative. Carry forward as a supplementary alternative.
T-2	Transit - Regional Bus	YES	NO	NO	YES**	NO	YES	2.5	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	Does not resolve traffic congestion on Pyramid nor improve east-west connections, but could be paired with a highway alternative. Carry forward as a supplementary alternative.
T-3	Transit - Light Rail Transit on new alignment	YES	NO	NO	YES**	NO	YES	2.5	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	Does not resolve traffic congestion nor improve east-west connections. Large costs and impacts to connect to downtown Reno, which does not reflect the purpose and need of this study.
Alignment Alternatives																			
H-1	Pyramid Expressway/Arterial	YES	NO	YES	YES**	YES	NO	3.5	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	Does not improve east-west connection; does not improve multimodal options. Has high community impacts.
H-2	Pyramid Freeway	YES	NO	YES	YES**	YES	NO	3.5	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	Does not provide east-west connection or improve multimodal options. Has high community impacts. A parallel alignment along Pyramid and other components of this alternative may still be considered in other alternatives.
H-3	Pyramid/McCarran Freeways	YES	YES	YES	YES**	YES	NO	4.5	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	Carry forward. May not resolve traffic congestion on south Pyramid Way. Note: Would need to be supplemented with multimodal improvement(s) to completely meet Purpose and Need.
H-4	Sparks Boulevard Freeway	YES	NO	YES	YES**	YES	NO	3.5	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	Does not provide east-west connection. Does not improve multimodal options. Has high community impacts. Traffic congestion remains on McCarran.
H-5	West Sun Valley Freeway	YES	NO	NO	YES**	YES	NO	2.5	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	Does not improve access to northern Sparks or provide an east-west connection, and does not resolve traffic congestion on Pyramid; does not improve multimodal options.
H-6	Pyramid/McCarran/Wedekind Freeway	YES	YES	YES	YES**	YES	NO	4.5	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	Carry forward. Note: Would need to be supplemented with multimodal improvement(s) to completely meet Purpose and Need.
H-7	Pyramid/McCarran/Wedekind to Vista Freeways	YES	YES	YES	YES**	YES	NO	4.5	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	Carry forward. Note: Would need to be supplemented with multimodal improvement(s) to completely meet Purpose and Need.
H-8	East Sparks Corridor Freeway	NO	NO	NO	NO	NO	NO	0	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	Screened out because it does not resolve traffic congestion nor improve safety on Pyramid; does not serve growth; does not address east-west connection; does not respond to local plans.
H-9	US-395 to I-80 Freeway	NO	YES	NO	YES**	YES	NO	2.5	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	Screened out because it does not resolve traffic congestion on Pyramid; does not serve growth areas; does not improve multimodal options. Some components are included in other alternatives.
H-10	Pyramid and Sparks One Way Couplet	YES	NO	NO	YES**	YES	NO	2.5	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	Does not resolve traffic congestion nor improve east-west connections; does not improve multimodal options.
H-11	Pyramid and Rock One Way Couplet	YES	NO	NO	YES**	YES	NO	2.5	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	Does not resolve traffic congestion nor improve east-west connections; does not improve multimodal options.
H-12	Reversible lanes for Pyramid, Sparks and Vista Roadways	NO	NO	NO	YES**	YES	NO	1.5	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	Does not resolve traffic congestion nor improve east-west connections; does not serve growth areas; does not improve multimodal options.
H-13	US-395 to Pyramid Freeway	NO	YES	NO	YES**	YES	NO	2.5	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	Screened out because it does not resolve traffic congestion on Pyramid; does not serve growth areas; does not improve multimodal options. Some components are included in other alternatives.
H-14	US-395 to I-80, Wedekind, and Pyramid Freeways	YES	YES	YES	YES**	YES	NO	4.5	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	Carry forward. Note: Would need to be supplemented with multimodal improvement(s) to completely meet Purpose and Need.
H-15	US-395 to I-80 and Pyramid Freeways	YES	YES	YES	YES**	YES	NO	4.5	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	Carry forward. Note: Would need to be supplemented with multimodal improvement(s) to completely meet Purpose and Need.
H-16	US-395 to Vista and West Sun Valley Freeways	YES	YES	YES	YES**	YES	NO	4.5	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	Carry forward. Note: Would need to be supplemented with multimodal improvement(s) to completely meet Purpose and Need.
H-17	US-395 to Vista and Pyramid Freeways	YES	YES	YES	YES**	YES	NO	4.5	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	Carry forward. Note: Would need to be supplemented with multimodal improvement(s) to completely meet Purpose and Need.
H-18	US-395 to Vista, West Sun Valley, and Pyramid Freeways	YES	YES	YES	YES**	YES	NO	4.5	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	Carry forward. Note: Would need to be supplemented with multimodal improvement(s) to completely meet Purpose and Need.
Lane Type Options to be Considered for the above Highway Alignment Alternatives*																			
L-1	General Purpose Lanes on new and/or improved facilities	YES	YES**	YES**	YES**	YES**	NO	4.5	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	Carry Forward as a supplementary alternative. Build Alternatives should consider an option for General Purpose lanes.
L-2	HOV Lanes on new and/or improved facilities	YES	YES**	YES**	YES**	YES**	YES	5	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	Carry Forward as a supplementary alternative. Build Alternatives should consider an option for HOV facilities.
L-3	Toll Lanes on new and/or improved facilities	YES	YES**	YES**	YES**	YES**	YES	5	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	Carry Forward as a supplementary alternative. Build Alternatives should consider an option for Toll facilities. Needs state legislative action.
L-4	Reversible Lanes	YES	YES**	YES**	YES**	YES**	NO	4.5	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	Carry Forward as a supplementary alternative. Build Alternatives should consider an option for Reversible Lanes.
L-5	HOT Lanes on new and/or improved facilities	YES	YES**	YES**	YES**	YES**	YES	5	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	Carry Forward as a supplementary alternative. Build Alternatives should consider an option for HOT facilities. Needs state legislative action.
L-6	FAIR Lanes on new and/or improved facilities	YES	YES**	YES**	YES**	YES**	YES	5	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	Carry Forward as a supplementary alternative. Build Alternatives should consider an option for FAIR facilities. Needs state legislative action.
L-7	Truck Lanes on new and/or improved facilities	YES	YES**	NO	YES**	YES**	NO	3.5	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	Dedicated truck facilities would not resolve general purpose lane congestion on Pyramid; does not improve multimodal options.

** Further analysis is required to analyze the extent this improvement could meet the Need.

* Lane Types developed as supplemental options, not evaluated as stand-alone alternatives



Level 2A Screening Results

Level 2A Screening Summary (DRAFT)																						
Screening Element		Traffic Demand and Performance						Environmental Impacts									Screen Out	Carry Forward as Supplementary Alternative	Carry Forward as Stand-Alone Alternative	Comments		
Criterion		Travel Demand	East-West Connections	System Efficiency	Reduce Congestion	Travel Time	Study Area Level-of-Service	Local / Regional Plan Consistency	Relocations	Environmental Justice	Critical Habitat	Wetlands	Water Resources	Floodplains	Historic Resources	Parks and Open Space						
System Alternatives																						
S-1	No-Action																				✓	Carry forward per requirements.
S-4	Pedestrian and Bicycle Improvements																			✓		Not analyzed in Level 2A. Carry forward as supplemental.
S-5	TDM Improvements																			✓		Not analyzed in Level 2A. Carry forward as supplemental.
S-6	TSM Improvements (including Transit Enhancements)																			✓		Not analyzed in Level 2A. Carry forward as supplemental.
Transit Alternatives																						
T-1	Transit - Bus Rapid Transit																			✓		Not analyzed in Level 2A. Carry forward as supplemental.
T-2	Transit - Regional Bus																			✓		Not analyzed in Level 2A. Carry forward as supplemental.
Alignment Alternatives																						
H-3	Pyramid/McCarran Freeways	○	○	◐	○	○	◑	○	◑	◑	○	○	◑	◑	◑	◑	◑	◑	✓			Screen out due to similar performance as H-6 / H-7 but with more impacts.
H-6	Pyramid/McCarran/Wedekind Freeway	○	○	◑	○	○	◑	○	◑	◑	○	○	◑	◑	◑	◑	◑	◑			✓	Carry forward for additional analysis. Wedekind facility location to be studied further.
H-7	Pyramid/McCarran/Wedekind to Vista Freeways	○	○	◑	○	○	○	○	◑	◑	○	○	◑	◑	◑	◑	◑	◑			✓	Carry forward for additional analysis. Wedekind facility location to be studied further.
H-14	US-395 to I-80, Wedekind, and Pyramid Freeways	○	○	○	◑	○	◑	○	◑	◑	○	○	◑	◑	◑	◑	◑	◑	✓			Screen out due to numerous impacts on Vista Blvd. with little benefit.
H-15	US-395 to I-80 and Pyramid Freeways	○	○	○	◑	○	◑	○	◑	◑	○	○	◑	◑	◑	◑	◑	◑	✓			Screen out due to numerous impacts on Vista Blvd. with little benefit.
H-16	US-395 to Vista and West Sun Valley Freeways	◑	◑	○	○	◑	◑	○	◑	◑	○	○	◑	◑	◑	◑	◑	◑	✓			Screen out due to low demand and benefit of West Sun Valley compared to other alternatives.
H-17	US-395 to Vista and Pyramid Freeways	○	○	○	○	○	◑	○	◑	◑	○	○	◑	◑	◑	◑	◑	◑			✓	Carry forward for additional analysis.
H-18	US-395 to Vista, West Sun Valley, and Pyramid Freeways	◑	◑	○	○	◑	◑	○	◑	◑	○	○	◑	◑	◑	◑	◑	◑	✓			Screen out due to low demand and benefit of West Sun Valley compared to other alternatives.
Lane Type Options																						
L-1	General Purpose Lanes on new and/or improved facilities																			✓		Not analyzed in Level 2A. Carry forward for further analysis.
L-2	HOV Lanes on new and/or improved facilities																			✓		Not analyzed in Level 2A. Carry forward for further analysis.
L-3	Toll Lanes on new and/or improved facilities																			✓		Not analyzed in Level 2A. Carry forward for further analysis.
L-4	Reversible Lanes																			✓		Not analyzed in Level 2A. Carry forward for further analysis.
L-5	HOT Lanes on new and/or improved facilities																			✓		Not analyzed in Level 2A. Carry forward for further analysis.
L-6	FAIR Lanes on new and/or improved facilities																			✓		Not analyzed in Level 2A. Carry forward for further analysis.

Legend:
 ○ Best ◑ Good ◒ Fair ◓ Poor ● Very Poor

DRAFT 2/19/09



PYRAMID HIGHWAY



US 395 CONNECTION