I-15 South

John Terry, NDOT Project Manager
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I-15 South

- Corridor Study and NEPA, Sloan Road to Tropicana Avenue

- Phase 1, Design-Build, Blue Diamond Road to Tropicana Avenue
I-15 South Corridor Study

- 5 lanes each direction Sloan to Trop.
- 1 lane each direction could be HOV lane
- Auxiliary lanes between interchanges as needed
- C-D roads Blue Diamond to Trop.
- Additional interchanges at Cactus, Starr, and Maryland.
I-15 South Corridor Study Benefits

- Additional lanes increase I-15 Capacity
- Additional Interchanges reduce traffic at congested interchanges
- Reduce mainline weaving Blue Diamond to Tropicana.
- Grade separations increase E-W capacity
I-15 South Corridor Study Status

- EA under review by FHWA
- Added access request under review by FHWA
- Proceeding with Phase 1
I-15S, Phase 1

- Capacity improvements to I-15 near LV Strip
- AB 595 funds approved by legislature
- Design-Build to expedite delivery
I-15S, Phase 1

- System of Collector-Distributor Roadways
  - Blue Diamond Rd. to Tropicana Avenue
- Maintain I-15 mainline
  - Some widening of I-15, including bridges over I-215
- New grade separation bridges
  - Warm Springs Road
  - Sunset Road
Key Aspects of I-15S, Phase 1

- Elements of the overall I-15 South Corridor Study
- Little or no ROW acquisition
  - Agreements with Clark Co. (Industrial Rd. Sunset and I-215)
- Maintain I-15 mainline
  - Most work is C-Ds and ramps
  - Some widening of I-15, including bridges over I-215
Key Aspects of I-15S, Phase 1

- Significant capacity improvements
  - C-D capacity
  - Braiding of major movements, eliminating mainline weaves
  - Less ramps resulting in less friction on mainline I-15
- Cannot build ultimate I-15 lanes as I-15 north and south of Phase I not at ultimate
- Improved E-W capacity across I-15
Issues I-15S, Phase 1

- **UPRR Henderson Spur (G-790)**
  - Construct new bridges outside existing while maintaining UPRR traffic

- **Impacts to Industrial Road**

- **Tropicana Wash**
  - Must enclose existing open channel
  - COE facility
I-15S, Phase 1

- Grade separation bridges
- Braided ramps
- Bridge Widenings
- Cross Drainage, including Tropicana Wash
- Retaining Walls
- Signing, striping, lighting, & ITS
I-15 South, Phase 1 Status

- Selected D-B Administrator
- Working on Design-Build Documents
- Developing Concept Design for D-B
I-15 South, Phase 1 Design-Build

- Similar process to I-15 North project
  - Lessons learned

- $200 million
Schedule

- Award Design-Build April 2009
- RFP October 2008
- RFQ July 2008
Design-Build Risk

- **UPRR**
  - Preliminary design acceptable to UPRR
  - Agreement with UPRR

- **Clark County (Sunset, Industrial, F. Sinatra, I-215)**
  - Agreement executed
Design-Build Risk

- **ROW**
  - Basic concept design fits in ROW
  - Verify existing ROW (stake in field?)

- **Utilities**
  - SUE any potentially impacted areas

- **Geotech**
  - Geotechnical investigation and report
I-15 South coordination

- I-15 Express Lanes – Russell to Sahara
- I-215 airport connector (CCPW)
- Ivanpah Airport
- Resort corridor study
- I-15 south projects other than phase 1
I-15 South

Questions or Comments