

**Dixie MPO
CONCEPT REPORT
FY 2015 - 2016**

PROJECT INFORMATION

- A. PROJECT TITLE:
Old Highway 91 Reconstruction & Widening
- B. DESCRIPTION:
The project consists of improving 3.1 miles of Old Highway 91 from 200 East to the Shivwits Indian Reservation, a continuation of the project recently completed in Ivins/Santa Clara. It will include the resurfacing (overlay or full depth depending on analysis during design) the existing 26-28 foot wide surface and widening to a 38 foot wide surface with two 12-foot lanes and two 7 foot shoulders. Installation of the left hand and right hand turning lanes and acceleration lanes at all major intersections and the continuation and connection of the shared use 10-foot wide trail on the north side including gravel shoulders and miscellaneous drainage improvements.
- C. LOCATION
Old Highway 91 from 200 East to the Shivwits Indian Reservation in Ivins City.
- D. SPONSOR: Ivins City
- E. COST ESTIMATE: \$ 4,980,000 ESTIMATE DATE 2016
Explain: This is a resubmittal of the project from the previous year.
- F. FUNDS APPLYING FOR (check all that apply):
 Small Urban, Other (list Any others that might apply)
 FTA 5307, 5309, 5310, or 5311
- G. PROJECT MANAGEMENT
a. Contact Person: Chuck Gillette
b. Phone Number: 435-634-0689
c. Mobile Phone: 435-668-9909
d. Fax Number: 435-656-2286
e. E-mail Address: cgillette@ivins.com
- H. INCLUSION IN LONG-RANGE PLAN (LRP)
a. IS THE PROJECT IN THE LONG RANGE PLAN YES
Explain: The project is included TIP Long Range Plan and is listed as project #1.
- I. IS THE PROJECT NEW, AN IMPOROVEMENT, EXPANSION OR REHABILITATION TO AN EXISTING SYSTEM? Explain: This project would be considered an widening and a rehabilitation of an existing road.

J. WHAT ARE THE PHYSICAL ASPECTS OF THIS PROJECT?

1. Road:

- a. Facility Design elements The project includes the resurfacing (overlay or full depth depending on analysis during design) the existing 26-28 foot wide surface and widening to a 38 foot wide surface with two 12-foot lanes and two 7 foot shoulders. Installation of the left hand and right hand turning lanes and acceleration lanes at all major intersections and the continuation and connection of the shared use 10-foot wide trail on the north side including gravel shoulders and miscellaneous drainage improvements.
- b. ADT Current: 6,000, Year 2040: 14,000
- c. LOS B
- d. Functional Class Major Arterial
- e. Design Speed 55 mph
- f. Accident Rate 3 vehicle/bike fatalities in the past 7 years
- g. Other Click here to enter text.

2. Transit:

- a. Rolling Stock Specification n/a
- b. Facility Design n/a
- c. Usage n/a

3. Pedestrian/Bicycle/Trail:

- a. Facility Design The widening project has a 7-foot wide shoulder that will include sufficient space for a bike lane and a 10-foot wide shared use trail for pedestrian and bike usage.
- b. Usage Old Highway 91 is a notorious corridor for bike usage as it is part of the Ivins-Veyo bicycle loop that has been signed and identified since it is so frequently used by tourists.

4. Park & Ride

- a. Facility Design n/a
- b. Usage n/a

K. Please provide plans, sketches, aerials or designs with this concept report to assist in the evaluation of this project. Yes

L. How will the facility, system or equipment be maintained when completed and open for service? Ivins City will be responsible for the maintenance of the roadway. Ivins City has a typical maintenance plan for all its streets that includes the usage of seals, slurries, and overlays to extend and maximize the lifespan of the roadway.

RESPOND TO THE FOLLOWING FOR ANY PROJECT:

PROJECT TITLE: Old Highway 91 Widening and Reconstruction

1. Describe how the project is consistent with local plans: The Ivins Transportation Master Plan adopted in April 2016 includes this project as a top priority in the 5 year plan. The plan identifies that the project will be 65% funded by grants. The remaining 35% of funds will come from City impact fees.
2. To what extent is the project Regionally Significant? This project would continue the completion of Old Highway 91 to the edge of the MPO boundary. These improvements would help complete a critical alternative route to Las Vegas. It will benefit not just Ivins but Santa Clara and the west side of St George. It provides access to Fire Lake at Ivins Reservoir which is becoming a regional attraction. It also provides access to Anazazi Valley and the Santa Clara River Preserve. It is considered a critical arterial and is the main alternative to I-15 when the gorge in the Arizona strip is closed down.
3. Purpose and Need
 - A. Describe the need for the project: There have been 3 vehicle/bicycle fatalities on Old Highway 91 in the past 7 years because of the narrow shoulder, approximately one-foot wide. Other serious bike/vehicle injuries have also occurred. Also increased capacity is needed as the facility is carrying 6,000 vehicles per day and should continue to trend upwards. The capacity will be increased by adding turning lanes at all significant intersections.
 - B. Describe the purpose of the project: The purpose of the project is to widen the two lane facility to include a bike lane/safety shoulder and provide a shared use trail connecting to the new trail recently installed to 200 East and continuing and connecting to the trail installed at the boundary to the Shivwits.
4. Is there any right-of-way or property purchase required? Yes Explain? The existing ROW is 100 feet wide, however, additional slope easements would need to be acquired and the shared use trail, if enough funding is obtained to fund the improvement, would require some additional ROW.
5. Is there any utility work or utility impacts? Yes Indicate who will do the work and who will pay for it. There is a segment of sewer and water that needs to be installed that will be completed under separate contract prior to the project paid by City impact fees.
6. To what extent will access management be improved by this project? This road is a major arterial and would be subject to the City's access management policies as defined by the Transportation Master Plans. The project would improve access at intersections by providing safe

turning lanes.

7. To what extent will this project improve transportation system Safety? One of the primary purposes of this project is safety due to previous fatalities and other accidents. The increased shoulder will be a huge benefit. Also the shared-use path will allow less confident cyclists and pedestrians to be even further removed.

8. Describe how this project will improve the existing transportation system as it relates to the following:

- a. **Mobility** This project increases mobility by increasing multi-modal transportation options for bicycles and pedestrians with the installation of bike lanes and a multi-use trail.
- b. **Inter-connectivity** This project increases capacity of this road that provides a vital link into the west side of the County. Our studies show that the traffic will nearly triple over the next 30 years.
- c. **Circulation** This project will improve circulation of a road that already provides a valuable role in circulation. It also improves circulation of trails, filling a gap between trails have recently been completed at the start and end of the project.
- d. **Facility Usage** This segment currently serves 5,700 ADT with an anticipated increase to 14,000 by 2040. However, this ADT does not account for the massive traffic volumes that must be carried when I-15 is closed in the gorge.
- e. **Level of Service** This project is anticipated to maintain this facility at a B Level of Service.
- f. **Environment** This project is not anticipated to impact any undisturbed lands and it is anticipated that a categorical exclusion would be used to clear any environmental issues.