

San Joaquin One Voice[®] Project Request

State Route 120 / Airport Way Diverging Diamond Interchange (DDI) Project

Project Summary:

The purpose of the State Route (SR) 120/Airport Way Diverging Diamond Interchange (DDI) project is to provide operational and safety improvements to address the anticipated traffic generated from ongoing local development and growth and enhance circulation and mobility for vehicular traffic, bicycles, and pedestrians including a grade-separated Class I bikeway and pedestrian path.

The City of Manteca has identified within their General Plan the need for improvements to the SR 120 / Airport Way Interchange in order to service the projected growth in employment, residential units, retail and commercial development on the north side of the SR 120 corridor including Family Entertainment Zone (FEZ). The interim signal project at the ramp intersections has temporarily improved the operations of the interchange; however, the interchange will be operating at unacceptable levels of service in the AM and PM peak hours with drivers experiencing long delays on a daily basis.

Additionally, the existing interchange has no sidewalks or bike lanes. SR 120 serves as a significant barrier for north/south access for alternative modes of travel. As identified in the City's Non-Motorized Transportation Master Plan, the proposed network should include a Class I bikeway at Airport Way across SR 120.

The existing infrastructure at Airport Way will not support the future north/south travel demands projected to occur as the result of the planned residential, commercial, and industrial developments approved in the City's General Plan.

Due to the innovative design associated with the proposed Diverging Diamond Interchange, Right of Way acquisition will not be required as part of the project. Furthermore, the efficiency of traffic flow will be increased by more than 30% due to the innovative DDI design and the grade-separated bike and pedestrian path.

As the project moves on to the planning phase in 2022-23, the City staff will coordinate several public meetings during the Project Study Report (PSR). Throughout the public meetings and public notifications procedures, the unique design configuration of DDI will be provided as part of public education as well. The City made a great success on the SR120/Union Road Diverging Diamond Interchange. As such, this new DDI project with similar design configurations can be expedited throughout a streamlined process since the traffic safety and efficiency have been improved significantly, e.g., a proven traffic and transportation system on a large scale.

Exhibit - Location Map and Rendered Image for SR120/Airport Way DDI Project

