RTIP ID# *(required)* 991203

TCWG Consideration Date

Project Description *(clearly describe project)* The project proposes to construct a bridge over the Murrieta Creek to connect Avenida Alvarado with Overland Drive in the City of Temecula, Riverside County. The Murrieta Creek Bridge at Overland Drive is anticipated to be a concrete girder structure spanning approximately 348 linear feet over Murrieta Creek. The bridge would accommodate four through travel lanes (two lanes in each direction), left-turn lane(s), and two 6-foot-wide shoulders served as Class II bike lanes, for a curb-to-curb width of 68 feet. In addition, a 6-foot-wide sidewalk would be included on the southern side of the bridge for pedestrians to cross the creek. The existing bike trail on the west side of the creek will intersect with the extended Overland Drive by a signal-controlled at-grade crossing.

Type of Project *(use Table 1 on instruction sheet)*
Change to existing regionally significant street

County	**Narrative Location/Route & Postmiles**
Riverside	The project is located in the northwest area in the City of Temecula, within and adjacent to Murrieta Creek. The project would extend from the terminus of Overland Drive near the Enterprise Circle West intersection, over Murrieta Creek, along Diaz Road, approximately 600 feet on either side of Avenida Alvarado, and about 500 feet along Avenida Alvarado. **Caltrans Projects – EA#** BR-NBIL(543)

Lead Agency: City of Temecula

Contact Person	**Phone#**	**Fax#**	**Email**
Nino Abad	(951) 308-6385		Nino.Abad@

Hot Spot Pollutant of Concern *(check one or both)* **PM2.5** **PM10**

Federal Action for which Project-Level PM Conformity is Needed *(check appropriate box)*

	Categorical Exclusion (NEPA)	**EA or Draft EIS**	**FONSI or Final EIS**	**PS&E or Construction**	**Other**
X					

Scheduled Date of Federal Action:

NEPA Assignment – Project Type *(check appropriate box)*

Exempt	**Section 326 –Categorical Exemption**		**Section 327 – Non-Categorical Exemption**
		X	

Current Programming Dates *(as appropriate)*

	PE/Environmental	**ENG**	**ROW**	**CON**
Start				12/2023
End				12/2025

Project Purpose and Need (Summary): *(attach additional sheets as necessary)*
The purpose of the project is to construct a bridge over and across Murrieta Creek to connect Avenida Alvarado at the intersection of Diaz Road with Overland Drive at the intersection of Enterprise Circle West in the City of Temecula.
The proposed improvements will accomplish the following in the project area:

1. Provide safe all-weather access across Murrieta Creek
2. Provide reliable route for emergency vehicles, motorists, pedestrians, and bicyclists
3. Provide additional access points to the City's industrial park

Murrieta Creek bisects the City of Temecula west of Interstate 15 (I-15) and separates industrial park and open space areas in the western City limits from the rest of the City. Murrieta Creek is an important riparian resource within the City, which protects water quality, conveys stormwater, and contains important biological resources and habitats. In addition, the Creek is an important archaeological area with known and unknown archaeological sites. Therefore, there are limited Creek crossings in the City.
A low-water crossing of Murrieta Creek currently exists at Via Montezuma, approximately 0.5 miles south of Overland Drive. The low-water crossing frequently closed in wet seasons is not a reliable route to cross the Creek during storm and flooding events, and the crossing is scheduled to be removed in the future by a separate channel improvements project. Therefore, there is a need for an additional all-weather creek crossing location for employees and residents to access the industrial and open space areas to the west of Murrieta Creek.

Surrounding Land Use/Traffic Generators *(especially effect on diesel traffic)*
Surrounding land uses are primarily commercial and industrial land uses.

Opening Year: Build and No Build LOS, AADT, % and # trucks, truck AADT of proposed facility

Level of Service Results:

	Study Intersection	Control Without Project/ With Project	Peak Hour	Opening Year Without Project		Opening Year With Project		Change in Delay
				Delay	LOS	Delay	LOS	
2	Diaz Road at Avenida Alvarado/ Overland Drive	SSS/Signal	AM	18.3	C	18.4	B	0.1
			PM	**43**	**E**	18.1	B	-24.9
5	Overland Drive / Enterprise Circle	AWS/Signal	AM	8.1	A	8.6	A	0.5
			PM	9.4	A	12.2	B	2.8

ADT: Truck traffic approximately 7 percent

	Study Segment	Classification	Capacity (LOS E)	Opening Year (2025) Without Project		Opening Year (2025) With Project	
				ADT/Trucks	LOS	ADT/Trucks	LOS
1	Diaz Road between Winchester Road to Avenida Alvarado	Major arterial (4 lanes divided)	36,000	16,055/ 1,124	E or better	18,863/ 1,320	E or better
2	Diaz Road south of Avenida Alvarado	Major arterial (4 lanes divided)*	36,000	14,174/ 992	E or better	14,174/ 992	E or better
3	Avenida Alvarado west of Diaz Road	Collector (2 Lanes undivided)	14,000	2,241/ 157	E or better	2,241/ 157	E or better
4	Overland Drive between Enterprise Circle and Commerce Center Drive	Secondary Arterial (4 Lanes undivided)	29,000	3,334/ 223	E or better	8,868/ 621	E or better

RTP Horizon Year / Design Year: Build and No Build LOS, AADT, % and # trucks, truck AADT of proposed facility

Level of Service

	Study Intersection	Control Without Project/ With Project	Peak Hour	Horizon Year (2045) Without Project		Horizon Year (2045) With Project		Change in Delay
				Delay	LOS	Delay	LOS	
2	Diaz Road at Avenida Alvarado/ Overland Drive	SSS/Signal	AM	81.5	F	21.4	C	-60.1
			PM	392.7	F	20	B	-372.7
5	Overland Drive / Enterprise Circle	AWS/Signal	AM	8.0	A	10.6	B	2.6
			PM	9.8	A	13.9	B	4.1

ADT: Truck traffic approximately 7 percent

	Study Segment	Classification	Capacity (LOS E)	Horizon Year (2045) Without Project		Horizon Year (2045) With Project	
				ADT/Trucks	LOS	ADT/Trucks	LOS
1	Diaz Road between Winchester Road to Avenida Alvarado	Major arterial (4 lanes divided)	36,000	18,062/ 1,264	E or better	21,221/ 1,485	E or better
2	Diaz Road south of Avenida Alvarado	Major arterial (4 lanes divided)*	36,000	15,945/ 1,116	E or better	15,945/ 1,116	E or better
3	Avenida Alvarado west of Diaz Road	Collector (2 Lanes undivided)	14,000	2,521/ 177	E or better	2,521/ 177	E or better
4	Overland Drive between Enterprise Circle and Commerce Center Drive	Secondary Arterial (4 Lanes undivided)	29,000	3,751/ 263	E or better	9,636/ 675	E or better

Opening Year: If facility is an interchange(s) or intersection(s), Build and No Build cross-street AADT, % and # trucks, truck AADT
N/A

RTP Horizon Year / Design Year: If facility is an interchange (s) or intersection(s), Build and No Build cross-street AADT, % and # trucks, truck AADT
N/A

Describe potential traffic redistribution effects of congestion relief *(impact on other facilities)*
Upon completion of the Murrieta Creek Bridge project, the proposed street configuration would be consistent with the four-lane roadway segment on Overland Drive to the east. In addition to the construction of the bridge, various roadway and utility improvements would occur at the western and eastern bridge approaches. In order to match the roadway section on Avenida Alvarado on the west side of the bridge, the project would transition the lane configuration in the eastern portion of Avenida Alvarado to be consistent with the four-lane configuration of the bridge. Intersections improvements to Overland Drive/Enterprise Circle West and Diaz Road/Avenida Alvarado would include the installation of traffic signals and associated signing, striping, street lights, and utilities. Reconstruction and roadway improvements along Diaz Road and Avenida Alvarado would include undergrounding electrical utilities, construction of curb, gutter, and sidewalks, relocating sewer and water facilities, and adding traffic signage and striping.

Comments/Explanation/Details *(attach additional sheets as necessary)*