

April 28, 2022

Project: I-15 CA/NV Stateline Project  
EA 1M860 - Project ID 0822000056  
Subject: SCAG: Urgent New PM Hot Spot Form (Attachment 4.1-2)

The original project EA 1M860 Interim I-15 Stateline Project PM 180.2 – PM 186.2 reviewed by the TCWG on December 6, 2021, was rescoped and split into two phases, with separate project EAs. The first phase would retain the original EA 1M860 and the second phase has been assigned a new EA, 1N120. The two phases would cover the same project limits PM 180.2-PM 186.2 and have unique project description and scope of work.

**Phase 1:  
EA 1M860**

**Project Description:**

Project scope includes cold plane 0.1' and overlay 0.2' the existing southbound mainline from edge of pavement (EP) to EP, overlay with hot mix asphalt, edge-line rumble strips, concrete barrier and MGS upgrades, signing and striping, dike removal and reconstruction, electrical systems and electrical conduit installation, and shoulder backing. Work is proposed to be done via nightly closure during off-peak traffic demands. Yates Well Rd SB Offramp/Onramp will be cold planed 0.1' and overlaid 0.1' with hot mix asphalt.

This project will also convert approximately 5000 ft (less than a mile) of the shoulder to an acceleration lane for the I-15/Primm Blvd Southbound On-ramp from the CA/NV Stateline and merge into existing 2-lane mainline.

**Purpose:**

The purpose of the project is to rehabilitate the pavement and improve traffic operations within the project limits at Interstate 15 in San Bernardino County at Post Mile 180.2 to 186.2, between the California Department of Food and Agriculture Mountain Pass station and the CA/NV Stateline.

**Need:**

The proposed project will rehabilitate the pavement within the project limits. The pavement within the project limits is exhibiting minor distress and low ride quality, which if left uncorrected, will deteriorate, and require major roadway rehabilitation. Project scope includes cold plane 0.1' and overlay 0.2' the existing southbound mainline from edge of pavement (EP) to EP, overlay with hot mix asphalt, edge-line rumble strips, concrete barrier and MGS upgrades, signing and striping, dike removal and reconstruction, electrical systems and electrical conduit installation, and shoulder backing. Work is proposed to be done via nightly closure during off-peak traffic demands. Yates Well Rd SB Offramp/Onramp will be cold planed 0.1' and overlaid 0.1' with hot mix asphalt.

The project also proposes to convert approximately 5000 ft (less than 1 mile) of the shoulder to an acceleration lane for the I-15/Primm Blvd Southbound On-ramp from the CA/NV Stateline and merge into existing 2-lane Mainline. The acceleration lane is expected to allow a smoother weaving of traffic entering from Primm Road onto I-15 Southbound.

**Phase 2:  
EA 1N120**

**Project Description:**

Caltrans is proposing a part-time shoulder use pilot project for 3-5 years at this location by installing 12 Extinguishable Message Signs (EMS) every 0.5 Miles between PM 180.2 and PM 186.2. Part-time shoulder use is the conversion of shoulders to travel lanes during some hours of the day as a congestion relief strategy. In this case the shoulders would be opened to traffic on Sundays and Mondays (with exact hours to be determined) and major events or major incidents. The proposed work limit will be from the CDFA Mountain Pass Border Station and extend beyond the CA/NV Stateline to Primm. Coordination with Nevada DOT will be needed for implementation of Transportation System Management Operations at Primm interchange and to match the operation of part time shoulder use in CA.

**Purpose:**

The I-15 southbound at the state line experiences recurring congestion during weekends and major events (crashes, weather events, and special event congestion) that cause significant disruptions to operations along the freeway, crippling traffic for extended periods. There are no alternate route options or detours in case of major congestion or events so motorists are forced to endure extensive delays in travel time. Average travel time delay on Sunday and Monday in the southbound direction can be long between state line and Barstow with the majority around Primm and the California Department of Food & Agricultural (CDFA) Mountain Pass Border Station.

**Need:**

To enhanced safety of drivers, and to reduce traffic queues on Sunday, Monday and Holidays on I-15 SB near the California and Nevada state line at the locations and Post Miles identified in the Vicinity Map. Part-time shoulder use is the conversion of shoulders to travel lanes during some hours of the day as congestion relief strategy. This strategy is also known as temporary shoulder use or hard shoulder running and is typically implemented on freeways.

Air Quality Conformity exemption is being sought for the **Phase 1** project which includes an Acceleration Lane approximately 5000 ft (less than 1 mile) in length.

If you have any question, please contact Olufemi Odufalu at 909-501-5521 or email at [Olufemi.a.Odufalu@dot.ca.gov](mailto:Olufemi.a.Odufalu@dot.ca.gov).