



2023 - 2024

College of Engineering

I-10 FREEWAY SENIOR PROJECT

California State Polytechnic University, Pomona

Construction Staging Plan



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1. Introduction

The project runs along Interstate 10 (I-10) that encompasses a five-mile length between Postmile R14.83 and Postmile R19.40 within the City of Banning and the Unincorporated Community of Cabazon. The freeway connects a significant number of California cities as well as and is utilized for interstate travel.

The East Ramsey Street Interchange and Main Street Interchange are the study interchanges located in the City of Banning and the Community of Cabazon respectively. The purposes of the project are to provide safety improvements within the study area of the project while maintaining the capacity of the interchange facilities present at each site and connecting communities by accommodating multimodal transportation.

Shown in the following sections are preliminary plans of the construction staging process for the selected alternatives for each interchange. During the planning process, maintaining continuous access to the freeway and the local roads, was a primary factor when staging. The selected alternative for Main Street was the Hook alternative, while East Ramsey Street was the Tight Diamond alternative.



2. Main Street Interchange Construction

2.1. Stage 1



Figure 1.1: Overview of Stage 1

The first stage is to realign the west side of Seminole Drive and widen the east side, widen Main Street south of the I-10, realign eastbound on and off ramps, and construct an extension of the deceleration lanes.

2.2. Stage 2



Figure 1.2: Overview of Stage 2



The second stage is to demolish Seminole Drive, realign Main Street and construct the overcrossing, and construct the portions of the westbound on-ramp that would not impact Main Street.

2.3. Stage 3



Figure 1.3: Overview of Stage 3

The third stage is to demolish Main Street up until Seminole Drive, complete construction of the new westbound on-ramp, and construct the new westbound off-ramp.



3. East Ramsey Street Interchange Construction

3.1. Stage 1



Figure 2.1: Overview of Stage 1

The first stage is to construct the overcrossing, the new westbound off-ramp, and a section of the new eastbound on-ramp to allow for continuous flow of traffic on East Ramsey Street.

3.2. Stage 2

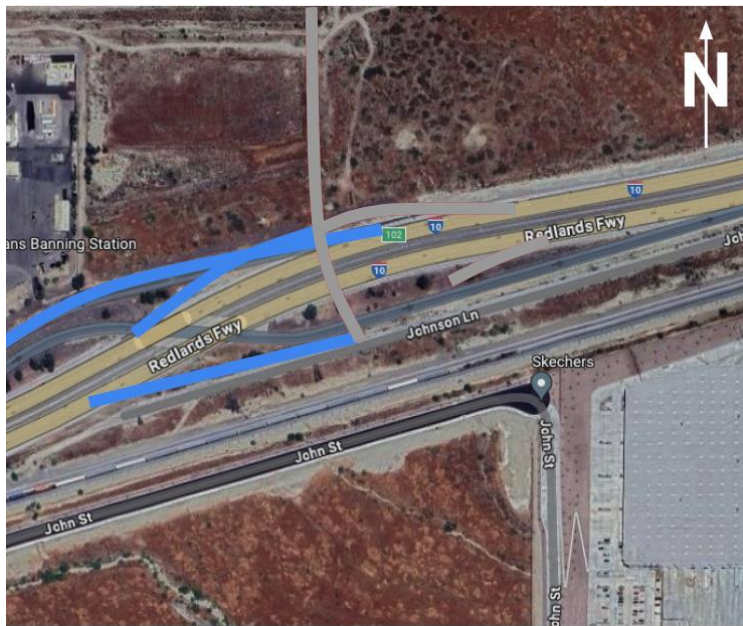


Figure 2.2: Overview of Stage 2



The second stage is to demolish the old westbound off-ramp, construct the new westbound off-ramp, and construct the new eastbound off-ramp.

3.3. Stage 3



Figure 2.3: Overview of Stage 3

The third stage is to demolish the old eastbound on-ramp and finish construction of the new eastbound on-ramp.