Draft Project Report
I-10 Corridor Project

ATTACHMENT D
Conceptual Layouts
ALTERNATIVE 2
### Identification of Project Structures

<table>
<thead>
<tr>
<th>Loc No</th>
<th>Bridge No</th>
<th>Structure Name</th>
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### Identification of Existing Structures

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<tr>
<td>A</td>
<td>RAYEN Ave  OC</td>
</tr>
<tr>
<td>B</td>
<td>E10-155 Conn  OC</td>
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<tr>
<td>C</td>
<td>S15-10 Conn  OC</td>
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<td>E</td>
<td>#10-155 Sp  UC</td>
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<td>H</td>
<td>#10-155 Sp  UC</td>
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<td>I</td>
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</table>

* Replacement Structure will be assigned a new bridge number.
* Railroad facility is no longer in service. Structure could be widened or abandoned in place by filling with earth material.
NOTE:
For existing pavement structural sections, please see the Preliminary Materials report. Existing pavement structural sections will need to be confirmed during final design.

PROPOSED PAVEMENT STRUCTURE SECTIONS

- RAMP (HEAVY) (40-YR)
- RAMP (MEDIUM) (40-YR)
- RAMP (LIGHT) (40-YR)
- TI = 14.0
- I/E = 7%
- V = 70 mph
- ESAL = 369,317,856

ADT (2045) = 300,000
C = 54%
TJL = 12.0 INSIDE LANE

ADT (2045) = 322,000
T = 11%
TJL = 9.0 OUTSIDE SHOULDER

I-10 OUTSIDE LANE
TI = 17.5 TO 18.0

I-10 OUTSIDE SHOULDER
TI = 9.0

I-10 INSIDE SHOULDER
TI = 9.0

DESIGN DESIGNATION - ROUTE 10
INDIAN HILL BOULEVARD TO I-15

NOTE:
1.35'-1.45' AB**
R VALUE < 40, USE
0.65'-0.75' AB**
1.30' JPCP
R VALUE > 40, USE
0.70' AS*
0.25' HMA-A
1.25' JPCP
0.60' AS*
0.25' HMA-A
1.05' JPCP
0.85' AB
0.65' HMA-A
0.70' AS*
0.25' HMA-A
1.05' JPCP

DESIGN DESIGNATION - ROUTE 10
I-15 TO I-215

ADT (2025) = 235,000
D = 50%
TJL = 12.0 INSIDE LANE

ADT (2045) = 268,000
T = 1%
TJL = 9.0 OUTSIDE SHOULDER

I-10 OUTSIDE LANE
TI = 16.0 TO 16.5
310 OUTSIDE LANE

I-10 INSIDE LANE
TI = 12.0

TYPICAL CROSS SECTIONS

I-10 OUTSIDE LANE
TI = 12.0
TI = 9.0

I-10 INSIDE LANE
TI = 12.0
TI = 9.0

I-10 OUTSIDE SHOULDER
TI = 9.0
TI = 9.0

I-10 INSIDE SHOULDER
TI = 9.0
TI = 9.0

EXPRESS LANE
TRANSITION LANE
INGRESS/EGRESS
AUXILIARY LANE

DESIGN DESIGNATION - ROUTE 10
I-215 TO SR-210

ADT (2025) = 247,000
D = 52%
TJL = 12.0 INSIDE LANE

ADT (2045) = 283,000
T = 1%
TJL = 9.0 OUTSIDE SHOULDER

I-10 OUTSIDE LANE
TI = 16.0 TO 16.5
310 OUTSIDE LANE

I-10 INSIDE LANE
TI = 12.0

TYPICAL CROSS SECTIONS

I-10 OUTSIDE LANE
TI = 12.0
TI = 9.0

I-10 INSIDE LANE
TI = 12.0
TI = 9.0

I-10 OUTSIDE SHOULDER
TI = 9.0
TI = 9.0

I-10 INSIDE SHOULDER
TI = 9.0
TI = 9.0

EXPRESS LANE
TRANSITION LANE
INGRESS/EGRESS
AUXILIARY LANE

DESIGN DESIGNATION - ROUTE 10
SR-210 TO FORD ST

ADT (2025) = 214,000
D = 51%
TJL = 12.0 INSIDE LANE

ADT (2045) = 254,000
T = 1%
TJL = 9.0 OUTSIDE SHOULDER

SR-210 TO FORD ST

ADT (2025) = 214,000
D = 51%
TJL = 12.0 INSIDE LANE

ADT (2045) = 254,000
T = 1%
TJL = 9.0 OUTSIDE SHOULDER

I-10 PAVEMENT DETAIL

OUTSIDE LANE
3100

3% 8%
ROUTE 10
MILLIKEN AVENUE TO ROUTE 15

WESTBOUND

ROUTE 10
HAVEN AVENUE TO MILLIKEN AVENUE
(STRIPING ONLY)

EASTBOUND

NO SCALE

TYPICAL CROSS SECTIONS
I-10 CORRIDOR PROJECT
ALTERNATIVE 2 - HOV

ROUTE 10
ETIWANDA - SAN SEVAINE CREEK TO CHERRY AVENUE

TYPICAL CROSS SECTIONS

NO SCALE

X-4
ROUTE 10
RIVERSIDE AVENUE TO PEPPER AVENUE

ROUTE 10
CEDAR AVENUE TO RIVERSIDE AVENUE

TYPICAL CROSS SECTIONS
ROUTE 215 TO WATERMAN AVENUE

WESTBOUND

ROUTE 10

WATERMAN AVENUE TO TIPPCANOE AVENUE

EASTBOUND

ROUTE 10

WATERMAN AVENUE TO TIPPCANOE AVENUE

I-10 CORRIDOR PROJECT
ALTERNATIVE 2 - HOV

TYPICAL CROSS SECTIONS

NO SCALE

X-9
I-10 CORRIDOR PROJECT
ALTERNATIVE 2 - HOV
TYPICAL CROSS SECTIONS

X-11

ROUTE 10
ALABAMA STREET TO TENNESSEE STREET

ROUTE 10
CALIFORNIA STREET TO ALABAMA STREET
I-10 CORRIDOR PROJECT
ALTERNATIVE 2 - HOV

TYPICAL CROSS SECTIONS

NO SCALE

X-12
HIGHLAND AVENUE TO FORD STREET

ROUTE 10
FORD STREET TO WABASH AVENUE

WESTBOUND

ROUTE 10
HIGHLAND AVENUE TO FORD STREET

EASTBOUND

TYPICAL CROSS SECTIONS

NO SCALE

X-13
I-10 CORRIDOR PROJECT
ALTERNATIVE 2 - HOV

TYPICAL CROSS SECTIONS

X-19

CITRUS Ave WB OFF-RAMP

ES  ETH  ES

21' TO 55'  8'  12'  4'

CITRUS Ave WB LOOP ON-RAMP

ES  ETH  ES

4'  12' TO 28'  4'

CITRUS Ave WB OFF-RAMP

ES  ETH  ES

CITRUS Ave WB LOOP ON-RAMP

ES  ETH  ES

Dist

000-000-000

0800000040
TYPICAL CROSS SECTIONS

SIERRA Ave WB OFF-RAMP

SIERRA Ave EB OFF-RAMP

SIERRA Ave WB ON-RAMP

I-10 CORRIDOR PROJECT
ALTERNATIVE 2 - HOV

TYPICAL CROSS SECTIONS

NO SCALE

X-20
I-10 Corridor Project
Alternative 2 - HOV

Typical Cross Sections

No Scale

X-23
I-10 Corridor Project
Alternative 2 - HOV

Typical Cross Sections

No Scale

Rancho Ave WB Off-Ramp

Rancho Ave EB On-Ramp

Rancho Ave WB On-Ramp

Rancho Ave EB Off-Ramp

Counties
Route
Post Miles
Total Project Sheet
Total Sheets

State of California - Department of Transportation

Parsons
San Bernardino, CA 92410

Parsons
San Bernardino, CA 92410

Parsons
San Bernardino, CA 92410

Parsons
San Bernardino, CA 92410

Parsons
San Bernardino, CA 92410
TYPICAL CROSS SECTIONS

9TH ST EB ON-RAMP

9TH ST EB OFF-RAMP

I-10 CORRIDOR PROJECT
ALTERNATIVE 2 - HOV
TYPICAL CROSS SECTIONS
NO SCALE
X-25
N215-W10 CONNECTOR

E S1/SUNWEST Ln WB ON-RAMP

N215-E10 CONNECTOR

S215-W10 CONNECTOR

I-10 CORRIDOR PROJECT
ALTERNATIVE 2 - HOV
TYPICAL CROSS SECTIONS
NO SCALE
I-10 Corridor Project
Alternative 2 - HOV

Typical Cross Sections

No Scale

X-34
I-10 CORRIDOR PROJECT
ALTERNATIVE 2 - NOV
TYPICAL CROSS SECTIONS
NO SCALE

RICHARDSON Ave

R/W 8' TO 74'

EP 6' TO 10'

C 16' TO 20'

EP 10' TO 77'

R/W

ALL GB FLATTEN

2% PG

2% RG

2% PG

ALL GB FLATTEN

OG

RICHARDSON Ave