ALTERNATIVE 3
**Identification of Project Structures**

<table>
<thead>
<tr>
<th>Loc No.</th>
<th>Bridge No.</th>
<th>Structure Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>54-0055</td>
<td>WELLS AVE UC</td>
</tr>
<tr>
<td>2</td>
<td>54-0045</td>
<td>SAN ANTONIO WASH R/P</td>
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<tr>
<td>3</td>
<td>56-0050</td>
<td>WILLOW VIEW AVE UC</td>
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<td>54-1186</td>
<td>CENTRAL AVE UC</td>
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<td>WILKSON STUC BOX COLVERT</td>
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</table>

**Identification of Existing Structures (No Work Being Performed)**

<table>
<thead>
<tr>
<th>Loc No.</th>
<th>Bridge No.</th>
<th>Structure Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>54-0055</td>
<td>INDIAN HILL BOX COLVERT</td>
</tr>
<tr>
<td>B</td>
<td>54-0045</td>
<td>SAN ANTONIO WASH R/P</td>
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<td>E</td>
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<td>F</td>
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<td>SULTANA AVE UC</td>
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<td>G</td>
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<td>CHEYENNE AVE UC</td>
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<tr>
<td>H</td>
<td>54-0117</td>
<td>WILKSON STUC BOX COLVERT</td>
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<tr>
<td>I</td>
<td>54-0120</td>
<td>FOURTH ST UC</td>
</tr>
<tr>
<td>J</td>
<td>54-0200</td>
<td>VENEDER AVE UC</td>
</tr>
<tr>
<td>K</td>
<td>54-0043</td>
<td>HASTING AVE UC</td>
</tr>
<tr>
<td>L</td>
<td>54-0044</td>
<td>MEXICAN AVE UC</td>
</tr>
<tr>
<td>M</td>
<td>54-0059</td>
<td>WILLICK AVE UC</td>
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<tr>
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<tr>
<td>O</td>
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<td>S DIV R/P</td>
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<tr>
<td>P</td>
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<td>Q</td>
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<td>Y</td>
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<td>S DIV R/P</td>
</tr>
<tr>
<td>Z</td>
<td>54-0069</td>
<td>S DIV R/P</td>
</tr>
</tbody>
</table>

* Replacement structure will be assigned a new bridge No. If railroad facility is no longer in service, structure could be abondoned or otherwise removed 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

<table>
<thead>
<tr>
<th>Description</th>
<th>TL</th>
<th>2-10 Inside Lane/Shoulder</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.95' JCP</td>
<td>2-2.5</td>
<td>Inside lane/shoulder</td>
</tr>
<tr>
<td>0.65' AB</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1.20' JCP</td>
<td>2.5-3</td>
<td>Inside lane/shoulder</td>
</tr>
<tr>
<td>0.80' AS</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1.20' JCP</td>
<td>3-3.5</td>
<td>Inside lane/shoulder</td>
</tr>
<tr>
<td>0.80' AS</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1.30' JCP</td>
<td>3.5-4</td>
<td>Inside lane/shoulder</td>
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<tr>
<td>0.70' AS</td>
<td></td>
<td></td>
</tr>
<tr>
<td>8 Value, 40, Use</td>
<td>4.0-5.0</td>
<td>Outside lane</td>
</tr>
<tr>
<td>0.80' - 0.75' AB*</td>
<td></td>
<td></td>
</tr>
<tr>
<td>8 Value, 40, Use</td>
<td>5.0-6.0</td>
<td>Outside shoulder</td>
</tr>
<tr>
<td>0.80' - 0.75' AB*</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

* AGGREGATE SUBBASE LAYER IS NOT REQUIRED WEST OF RANCHO AVENUE BASED ON PRELIMINARY R VALUE > 40.
AGGREGATE SUBBASE LAYER IS RECOMMENDED EAST OF RANCHO AVENUE BASED ON PRELIMINARY R VALUE < 45.
** ADJUST DEPTH AS REQUIRED TO MATCH THE TOTAL DEPTH OF THE ADJOINING LANE PAVEMENT STRUCTURAL SECTION.

<table>
<thead>
<tr>
<th>Description</th>
<th>TI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Outside lane/shoulder</td>
<td>12'</td>
</tr>
<tr>
<td>3% 5%</td>
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</tr>
</tbody>
</table>

I-10 PAVEMENT DETAIL

DESIGN DESIGNATION - ROUTE 10

I-10 Corridor Project
Alternative 3 - Express Lanes (LPA)
Typical Cross Sections

No Scale
ROUTE 10
MILLIKEN AVENUE TO ROUTE 15

WESTBOUND

ROUTE 10
HAVEN AVENUE TO MILLIKEN AVENUE

EASTBOUND

TYPICAL CROSS SECTIONS

NO SCALE

X-7
ROUTE 10
ETIWANDA AVENUE TO ETIWANDA - SAN SEVAINE CREEK

ROUTE 10
ROUTE 15 TO ETIWANDA AVENUE

I-10 CORRIDOR PROJECT
ALTERNATIVE 3 - EXPRESS LANES (LPA)
TYPICAL CROSS SECTIONS
NO SCALE

X-8
ROUTE 10

RIVERSIDE AVENUE TO PEPPER AVENUE

ROUTE 10

CEDAR AVENUE TO RIVERSIDE AVENUE

I-10 CORRIDOR PROJECT
ALTERNATIVE 3 - EXPRESS LANES (LPA)

TYPICAL CROSS SECTIONS

NO SCALE

X-11
TIPPECANOE AVENUE TO MOUNTAIN VIEW AVENUE

WESTBOUND

ROUTE 10

SAN TIMOTEO CREEK TO TIPPECANOE AVENUE

EASTBOUND

ROUTE 10

I-10 CORRIDOR PROJECT
ALTERNATIVE 3 - EXPRESS LANES (LPA)
TYPICAL CROSS SECTIONS

NO SCALE

X-15
ROUTE 10
MOUNTAIN VIEW AVENUE TO CALIFORNIA STREET

ROUTE 10
CALIFORNIA STREET TO ALABAMA STREET

ROUTE 10
MOUNTAIN VIEW AVENUE TO CALIFORNIA STREET

TYPICAL CROSS SECTIONS
NO SCALE
X-16
**I-10 Corridor Project**

**Alternative 3 - Express Lanes (LPA)**

**Typical Cross Sections**

**Route 10**

**Route 210/Tennessee Street to Eureka Street**

**Westbound**

**Route 10**

**Route 210/Tennessee Street**

**Eastbound**

**Route 10**

**Alabama Street to Route 210/Tennessee Street**

**Typical Cross Sections**

No Scale

**X-17**
TYPICAL CROSS SECTIONS

ROUTE 10
HIGHLAND AVENUE TO FORD STREET

ROUTE 10
EUREKA STREET TO HIGHLAND AVENUE

I-10 CORRIDOR PROJECT
ALTERNATIVE 3 - EXPRESS LANES (LPA)

NO SCALE
I-10 CORRIDOR PROJECT
ALTERNATIVE 3 - EXPRESS LANES (LPA)

TYPICAL CROSS SECTIONS

NO SCALE

X-20
I-10 Corridor Project
Alternative 3 - Express Lanes (LPA)

Typical Cross Sections

No Scale

X-21
I-10 Corridor Project

Alternative 3 - Express Lanes (LPA)

Typical Cross Sections

No Scale

X-24
I-10 CORRIDOR PROJECT
ALTERNATIVE 3 - EXPRESS LANES (LPA)
TYPICAL CROSS SECTIONS

NO SCALE

X-26
I-10 CORRIDOR PROJECT
ALTERNATIVE 3 - EXPRESS LANES (LPA)
TYPICAL CROSS SECTIONS

S15-W10 CONNECTOR

W10-S15 CONNECTOR

S15-E10 CONNECTOR

W10-N15 CONNECTOR

TYPICAL CROSS SECTIONS

NO SCALE
TYPICAL CROSS SECTIONS

I-10 CORRIDOR PROJECT
ALTERNATIVE 3 - EXPRESS LANES (LPA)

ETIWANDA Ave EB OFF-RAMP

ETIWANDA Ave EB C-D ROAD OFF-RAMP

VALLEY Blvd EB OFF-RAMP

ETIWANDA Ave EB C-D ROAD ON-RAMP

UNIT 2232
PROJECT NUMBER & PHASE 0800000040
I-10 CORRIDOR PROJECT
ALTERNATIVE 3 - EXPRESS LANES (LPA)
TYPICAL CROSS SECTIONS

NO SCALE

X-32
CITRUS Ave WB OFF-RAMP

CITRUS Ave WB LOOP ON-RAMP

CITRUS Ave WB ON-RAMP

CITRUS Ave EB ON-RAMP

CITRUS Ave EB OFF-RAMP

I-10 CORRIDOR PROJECT
ALTERNATIVE 3 - EXPRESS LANES (LPA)
TYPICAL CROSS SECTIONS

NO SCALE

X-33
I-10 Corridor Project
Alternative 3 - Express Lanes (LPA)

Typical Cross Sections

No Scale

X-34
I-10 CORRIDOR PROJECT
ALTERNATIVE 3 - EXPRESS LANES (LPA)
TYPICAL CROSS SECTIONS
NO SCALE

X-35
I-10 CORRIDOR PROJECT
ALTERNATIVE 3 - EXPRESS LANES (LPA)
TYPICAL CROSS SECTIONS
NO SCALE

PEPPER Ave WB OFF-RAMP

PEPPER Ave WB ON-RAMP

PEPPER Ave EB ON-RAMP

PEPPER Ave EB OFF-RAMP

10% A & VO

2% A & VO

6% A & VO

FLATTE R 4:1 OR FLATTE R 4:1
I-10 CORRIDOR PROJECT
ALTERNATIVE 3 - EXPRESS LANES (LPA)

TYPICAL CROSS SECTIONS

NO SCALE

X-39
Typical Cross Sections

I-10 Corridor Project
Alternative 3 - Express Lanes (LPA)

N215-W10 Connector

N215-E10 Connector

S215-W10 Connector

S215-E10 Connector

No Scale

X-41
I-10 Corridor Project
Alternative 3 - Express Lanes (LPA)

Typical Cross Sections

No Scale

X-42
**TYPICAL CROSS SECTIONS**

I-10 CORRIDOR PROJECT
ALTERNATIVE 3 - EXPRESS LANES (LPA)

NO SCALE

**X-44**
I-10 Corridor Project
Alternative 3 - Express Lanes (LPA)

Typical Cross Sections

No Scale

Mountain View Ave WB Off-Ramp

Mountain View Ave EB On-Ramp

Mountain View Ave WB On-Ramp

Mountain View Ave EB Off-Ramp

TYPICAL CROSS SECTIONS

NO SCALE

X-45
I-10 CORRIDOR PROJECT
ALTERNATIVE 3 - EXPRESS LANES (LPA)
TYPICAL CROSS SECTIONS

NO SCALE

TENNESSEE St WB OFF-RAMP

TENNESSEE St EB ON-RAMP

TENNESSEE St EB OFF-RAMP

E10-W210 CONNECTOR

12' TO 24'
10'
87' TO 157'

411 OR FLATTER
9% & VOR
9% & VOR

411 OR FLATTER
OG

411 OR FLATTER
10% & VOR
10% & VOR

411 OR FLATTER
OG

411 OR FLATTER
10% & VOR
10% & VOR

411 OR FLATTER
OG

5% & VOR

8'

185 TO 245'
12' TO 24'

12' TO 24'

24'
10'
44' TO 155'

28' TO 154'

9 % & VOR

10 % & VOR

10 % & VOR

28' TO 154'

8'

185 TO 245'
12' TO 24'

12' TO 24'

24'
10'
44' TO 155'

28' TO 154'

9 % & VOR

10 % & VOR

10 % & VOR

28' TO 154'

8'
SAN ANTONIO Ave

MONTE VISTA Ave

I-10 CORRIDOR PROJECT
ALTERNATIVE 3 - EXPRESS LANES (LPA)
TYPICAL CROSS SECTIONS

NO SCALE

X-50
TYPICAL CROSS SECTIONS

I-10 CORRIDOR PROJECT
ALTERNATIVE 3 - EXPRESS LANES (LPA)

SULTANA Ave

EUCLID Ave
TYPICAL CROSS SECTIONS

RICHARDSON Ave

VINEYARD Ave

I-10 CORRIDOR PROJECT
 ALTERNATIVE 3 - EXPRESS LANES (LPA)

NO SCALE

X-53