ALTERNATIVE 3
PREPARED FOR THE STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

MEASURED ALONG TO 
N15°-E10'
ELEVATION
DATEM Elev 9600'

ELEVATION
1" = 20'-0"

PLAN
1" = 20'-0"

CURVE DATA
R = 850.00'
\( \Delta = 78^\circ 00' 14'' \)
L = 1157.21'
T = 688.36'

NOTES:
1. Point "Br No. 54-0351"
2. Point "Day Canyon Channel Bridge"
3. Concrete Barrier (Type 736)
4. Structure Approach Type (N300)
5. Structure Approach Type (R300)
6. Bridge Removal (Partition)
7. Concrete (Channel Lining)

DATE OF ESTIMATE = 5/6/15
STRUCTURE DEPTH = 11'-35''
LENGTH = 86'-75'' AVG
WIDTH = 32'-85'' AVG
AREA = 283.8 SF
COST/SF INCLUDING 10% MOLICILATION & 25% CONTINGENCY = $298
TOTAL COST = $1,129,000

LEGEND:
Indicates Direction of Travel
Indicates Direction of Flow
Indicates Bridge Removal (Partition)
Match Existing Profile Grade and Slope

EXPRESS ALTERNATIVE
PLANNING STUDY
DAY CANYON CHANNEL BRIDGE (WIDEN)

DESIGNED BY: S. Mullenig
DATE: 6/4/14
CHECKED BY: J. Fix
DATE: 6/4/14
APPROVED: K. Michalski
DATE: 6/26/15
ELEVATION
1" = 20'

TYPICAL SECTION
1" = 10'

RETROFIT NOTES:
1. Enclose columns in concrete pier wall
2. Paint "Br No. 54-00300"
3. Paint "Valley Blvd Off-Ramp UC"
4. Concrete Barrier (Type 736)
5. Structure Approach Type N (300)
6. Slope Paving
7. Remove Existing Type 1 Barrier and Overhang
8. Excav HBG to be removed, see "ROADWAY PLANS"
9. Roadway lowered, see "ROADWAY PLANS"

DATE OF ESTIMATE
BRIDGE REMOVAL
STRUCTURE DEPTH
LENGTH
WIDTH
AREA
BRIDGE COST/SF
BRIDGE COST INCLUDING TOE MOBILIZATION AND ZF/CONTINGENCY
SEISMIC RETROFIT
TOTAL COST

8/12/15
461 SF
20'6"
115' - 3"
30'-6" AVG
3,615 SF
$323/SF
$1,520,000
$322,000
$2,842,000

LEGEND:
 Indicates Direction of Travel
 Indicates Point of Min Vertical Clearance (Widening)
 Indicates Exisit Point of Min Vertical Clearance
 Indicates Bridge Removal
 Indicates Closure Pour
 Indicates Existing Structure
 Indicates New Structure
 Watch Exisit Profile Grade and Cross Slope
18" CISS COLUMN

BOTTOM PORTION HAS STEEL PILE

18" CISS COLUMN, Typ

BOTTOM PORTION HAS STEEL PILE

NOTES:
- For information not shown, see "Typical Section - Bent"

PARTIAL TYPICAL SECTION -

BENTS 2 & 4

1" = 10'

TOP OF CHANNEL WALL

NOTE: ALL PILES NOT SHOWN

TYPICAL SECTION - BENT 3

1" = 10'

NOTES:
1. Point "Br No. 64-0454"
2. Point "Etiwanda-Ban Seavine Flood Control Channel Bridge"
3. Concrete Barrier (Type 736)
4. Pier Wall, Widening
5. Channel Wall, Exit
6. Chain Link Fence, Exit
7. Pier Wall, Exit
8. Chain Link Fence Removal & Replace (Portion)
9. Exit Concrete Barrier (Type 1) to be removed

LEGEND:
- Indicates Channel Wall Removal & Replacement
- Indicates Chain Link Fencing
- Watch Exit Profile Grade and Cross Slope

NOTE: For information not shown, see "Typical Section - Bent"
ELEVATION

PLAN

TYPICAL SECTION

NOTES:
1. Concrete Barrier Type 60G
2. Retaining Wall, see "ROADWAY PLANS"
3. Remove Exist Concrete Barrier (Type 50), see "ROADWAY PLANS"
4. Exit NRSC to be removed, see "ROADWAY PLANS"
5. Concrete Barrier (Type T50), see "ROADWAY PLANS"
6. Concrete Closure Wall

DATE OF ESTIMATE = 5/6/15

LENGTH = 26'-4"G
WIDTH = 252'-3"
AREA = 6,462 SF
COST/OF INCLUDING TOG MOBILIZATION & 2% CONTINGENCY = $446
TOTAL COST = $305,000

LEGEND:
Indicates Direction of Travel

EXPRESS ALTERNATIVE
PLANNING STUDY
SAN SEVAIN CREEK (ABANDON)

DESIGNED BY J. Fix
DATE: 09/22/14

ENGINEERED BY F. Hoke
DATE: 11/20/14

CHECKED BY K. Michalski
DATE: 12/05/14

APPROVED BY K. Michalski
DATE: 06/26/15

SIGNED AS SHOWN
PROJECT NUMBER & PHASE: 0000000000

FILE: /home/working/express/plan/64-0434/nov01/06-0434-a-cls-01.dgn
CONTRACT NO.: 06-0434A
Notes:
For information not shown refer to "Typical Section" on
"Planing Study 1 of 2" sheet.

TYPICAL SECTION DURING CONSTRUCTION

1" = 10'
CURVE DATA

R = 3002.99'
A = 14700'10"'
T = 368.80'
L = 735.92'

DATE OF ESTIMATE = 8/12/15
BRIDGE REMOVAL = 1851 SF
STRUCTURE DEPTH = 3'-0"
LENGTH = 163'-11"
WIDTH = 10'-6"
AREA = 4111 SF
BRIDGE COST/UNIT = $462.50
BRIDGE COST INCLUDING 125% MODIFICATION AND 23% CONTINGENCY = $2,448,000
SEISMIC RETROFIT = $337,000
TOTAL COST = $2,785,000
NOTES:

Concrete Barrier (Type 736)
Temporary Railing (Type K)

LEgend:
* Indicates Bridge Removal and Cross Slope Match Existing Profile Grade

NOTES All Piles Not Shown.

TYPICAL SECTION
1" = 10'

NOTES:

Concrete Barrier (Type 736)
Temporary Railing (Type K)
Remove Existing Double Metal Beam Guard Rail
Concrete Barrier (Type 60C Mod)

NOTE: All Piles Not Shown.
ELEVATION

1" = 20'

RETAINING WALL

TO ELEVATION

TYPICAL SECTION

1" = 10'

DATE OF ESTIMATE
BRIDGE REMOVAL
STRUCTURE DEPTH
LENGTH
WIDTH
AREA

COST/SF INCLUDING
10% MOBILIZATION &
20% CONTINGENCY

TOTAL COST

CURVE DATA
R = 5995.95'
\( \Delta = 14^\circ 58' 08" \)
T = 1310.80'
L = 2560.74'

CURVE DATA
R = 6900.00'
\( \Delta = 4^\circ 04' 45" \)
T = 231.48'
L = 462.16'

LEGEND:

Indicates Direction of Travel
Indicates Bridge Removal
Indicates Point of Minimum Vertical Clearance
Indicates Exisiting Structure
 Indicates New Structure

EXPRESSION ALTERNATIVE
PLANNING STUDY
TIPPECANOE AVE UC (WIDEN)

DESIGNED BY
J. Fix

DRAWN BY
J. Fix

CHECKED BY
J. Fix

APPROVED BY
J. Michalski

CONTRACT NO. 06-D2600
NOTES:
1. Point "Br. No. 54-0583"  
2. Point "Texas Street UC"  
3. Concrete Barrier (Type 736)  
4. Structure Approach Type N300D  
5. Temporary Railing, Type K  
6. Wider HGR to be removed, See, "ROADWAY PLANS"

RETROFIT NOTES:
1. Abutment Retrofit

CURVE DATA

\[
\begin{align*}
R &= 3000.00' \\
\Delta &= 35°31'01" \\
T &= 980.80' \\
L &= 1859.67'
\end{align*}
\]

RETIWING WALL SEE "ROADWAY PLANS"

EXPRESSION ALTERNATIVE

PLANNING STUDY

TEXAS STREET UC (WIDEN)

DESIGNED BY J. Fix
DATE: 09/22/14

DRAWN BY: F. Hokem
DATE: 10/23/14

CHECKED BY: K. Michalski
DATE: 12/05/14

APPROVED: K. Michalski
DATE: 06/26/15

CONTRACT NO: 08-DC2500