TOTAL LENGTH = 8541'-7" (MEASURED ALONG "SB CHSR €")

ELEVATION
SCALE 1"= 40'

PLAN
SCALE 1"= 40'

CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE
ALTERNATIVE 8-3-ALT 1,3,5 TIE IN
TRACK STRUCTURES
VIADUCT STATION 17285+00.00 TO 17370+41.55
PLAN AND ELEVATION

PROJECT NO. HSR 13-44
DRAWING NO. ST-J1164
SCALE AS SHOWN
SHEET NO. ST-J1163
DATE 10/31/2017

DESIGNED BY ROBERT BARTON
DRAWN BY YIHONG WANG
CHECKED BY R. GOLCHOOBIAN
IN CHARGE STEVE SMITH

RECORD PEPD
SUBMITTAL NOT FOR CONSTRUCTION

CALIFORNIA HIGH-SPEED RAIL AUTHORITY
TYLUN INTERNATIONAL
11330 SW 57TH AVE
VICTORIA, BC V8X 6N6
T: 604.222.3357
F: 604.222.3358
E: TYLUN@TLC3.COM
W: WWW.TYLUN.COM

DATE CHK APP BY REV

DESCRIPTION

11:18:05 AM 10/30/2017 TYLII\YWang
CALIFORNIA HIGH-SPEED RAIL PROJECT
Bakersfield to Palmdale
ALTERNATIVES 1, 3, 5
ROADWAY STRUCTURES
COMANCHE DRIVE EB UNDERCROSSING
PLAN AND ELEVATION

PROFILE GRADE
NO SCALE

TOTAL LENGTH OF BRIDGE = 279'-4"
MEASURED ALONG LOL

ELEVATION
SCALE 1" = 40'

PLAN
SCALE 1" = 40'

TYPICAL SECTION
SCALE 1" = 10'

CALTRANS R/W (TYP)
CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE
ALTERNATIVES 1, 2, 3, 5
ROADWAY STRUCTURES
SR 58 EB OVERHEAD
PLAN AND ELEVATION

PROFILE GRADE
NO SCALE

TOTAL LENGTH OF BRIDGE = 860' 0"
MEASURED ALONG "SR58 EB" LINE

ELEVATION
SCALE 1" = 40'

PLAN
SCALE 1" = 40'

TOP OF FENCE TO DECK
TOP OF DECK TO BARRIER

CALTRANS R/W
PROP SR-58 WB
PROP CHSR R/W

CALENDAR
DATE
10/31/2017

RECORD
PEPD
SUBMITTAL
NOT FOR CONSTRUCTION

DESIGNED BY
EMIR MODARRES
DRAWN BY
KEVIN BERRY
CHECKED BY
ROBERT BARTON
IN CHARGE
STEVE SMITH

DATE
 projects/701206.00_CHSRBP/00 CADD/Sheet Files/ST/BP-ST-K1015a.dgn

11:10:08 AM 10/30/2017

TYLUN INTERNATIONAL
CALIFORNIA HIGH-SPEED RAIL AUTHORITY

DRAWING NO.
CONTRACT NO.
HSR13-44
ST-K1015a

SCALE AS SHOWN
SHEET NO.

40 0 0 20 0 0 0 40 0 0 0 40

= 3000'
R/C = -0.241% /STA

0.60%
TYPICAL SECTION

SECTION AT BENT 4

SECTION AT BENT 2 & 3

SCALE 1"=10'

SR-58 EB OVERHEAD

CIP/PS BOX GIRDERS

7'-0" DIA COLUMN, TYP

SR-58 WB OVERHEAD

CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE

ALTERNATIVES 1,2,3,5
ROADWAY STRUCTURES
SR 58 EB OVERHEAD
TYPICAL SECTION

CONTRACT NO. HSR13-44
DRAWING NO. ST-K1016
SCALE AS SHOWN
SHEET NO. 11

DATE 10/31/2017

SUBMITTAL

NOT FOR CONSTRUCTION
PROFILE GRADE
NO SCALE

TOTAL LENGTH OF BRIDGE = 600'-0" MEASURED ALONG "AVEI" LINE

ELEVATION
SCALE 1"= 40'

PLAN
SCALE 1"= 40'

PROFILE GRADE
NO SCALE

TYPICAL SECTION
SCALE 1"= 10'

CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE
ALTERNATIVES 1,2,3
ROADWAY STRUCTURES
AVENUE I OVERHEAD
PLAN AND ELEVATION

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11:15:30 AM
10/30/2017
TYLI\YWang

"AVEI" LINE

TOP OF FENCE
TOP OF BARRIER
TOP OF DECK

ELEV 2369.63
20+95.00 BVC
ELEV 2373.68
29+05.00 EVC

28+00
APPROX OG

ABUT 1
EXIST SIERRA HAY

BENT 2

BENT 3

PROP CHSR R/W

ABUT 4

DATUM ELEV 2300.00

PROF UPRR R/W

PROF CHSR E

PROF UPRR E

R/C = -0.988% /STA

PROFILE GRADE
NO SCALE

TOTAL LENGTH OF BRIDGE = 600'-0" MEASURED ALONG "AVEI" LINE

ELEVATION
SCALE 1"= 40'

PLAN
SCALE 1"= 40'

PROFILE GRADE
NO SCALE

TYPICAL SECTION
SCALE 1"= 10'

CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE
ALTERNATIVES 1,2,3
ROADWAY STRUCTURES
AVENUE I OVERHEAD
PLAN AND ELEVATION

Projects\701206.00_CHSRBP\00 CADD\Sheet Files\ST\BP-ST-K1025.dgn
11:15:30 AM
10/30/2017
TYLI\YWang

"AVEI" LINE

TOP OF FENCE
TOP OF BARRIER
TOP OF DECK

ELEV 2369.63
20+95.00 BVC
ELEV 2373.68
29+05.00 EVC

28+00
APPROX OG

ABUT 1
EXIST SIERRA HAY

BENT 2

BENT 3

PROP CHSR R/W

ABUT 4

DATUM ELEV 2300.00

PROF UPRR R/W

PROF CHSR E

PROF UPRR E

R/C = -0.988% /STA
CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE
ALTERNATIVES 1, 2, 3
ROADWAY STRUCTURES
MILLING STREET OVERHEAD
PLAN AND ELEVATION

PROFILE GRADE
NO SCALE

TOTAL LENGTH OF BRIDGE = 1115'-0" MEASURED ALONG "MILL2" LINE

ELEVATION
SCALE 1"= 40'

PLAN
SCALE 1"= 40'

TYPICAL SECTION
SCALE 1"= 10'

CALIFORNIA HIGH-SPEED RAIL PROJECT
DESIGNED BY
EMIR MODARRES
DRAWN BY
DYLAN WILEY
CHECKED BY
ROBERT BARTON
IN CHARGE
STEVE SMITH
DATE
10/31/2017

RECORD
PEPD
SUBMITTAL
NOT FOR
CONSTRUCTION
PROFILE

TOTAL LENGTH OF BRIDGE = 520'-0" MEASURED ALONG "SERA" LINE

ELEVATION

SCALE 1"= 40'

PLAN

SCALE 1"= 40'

TYPICAL SECTION

SCALE 1"= 10'

CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE
ALTERNATIVE 5
ROADWAY STRUCTURES
SIERRA HIGHWAY OVERHEAD
PLAN AND ELEVATION
PROFILE GRADE
NO SCALE

TOTAL LENGTH OF BRIDGE = 465'-0" MEASURED ALONG "AVEH" LINE

DATUM ELEV 2250.00
EXIST UPRR R/W

ELEVATION
SCALE 1"= 40'

CITY OF LANCASTER R/W

PLAN
SCALE 1"= 40'

ELEV 2364.29
WEST AVENUE H

TYPICAL SECTION
SCALE 1"= 10'

CITY OF LANCASTER R/W

CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE
ALTERNATIVE 5
ROADWAY STRUCTURES
AVENUE H OVERHEAD
PLAN AND ELEVATION

PROJECT NO.
HSR13-44
DRAWING NO.
ST-K1039
SCALE
AS SHOWN
SHEET NO.
11
DATE
10/30/2017
CHECKED BY
ROB BARTON
IN CHARGE
STEVE SMITH
PROJECT MANAGER
FRANK FRAZIER
PROJECT ENGINEER
SCOTT SMITH
DESIGNED BY
EMIR MODARRES
DRAWN BY
DYLAN WILEY
CHECKED BY
ROB BARTON
DATE
10/31/2017
RECORD
PEPD
SUBMITTAL
NOT FOR CONSTRUCTION
CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE
ALTERNATIVE 5
ROADWAY STRUCTURES
AVENUE K OVERCROSSING
PLAN AND ELEVATION

PROFILE GRADE
NO SCALE

TOTAL LENGTH OF BRIDGE = 550'-0" MEASURED ALONG "AVEK" LINE

TYPICAL SECTION
SCALE 1" = 10'

PLAN
SCALE 1" = 40'

ELEVATION
SCALE 1" = 40'

TOP OF DECK
TOP OF FENCE
TOP OF BARRIER

DATUM ELEV 2380.00

TOP OF FILL
TOE OF FILL

PREP CHSR R/W

UCR R/W

UPRR R/W

PROP CHSR R/W

EXIST SIERRA HWY

CITY OF LANCASTER R/W

AVERAGE LINE

SCALE 1"= 10'

SCALE 1"= 40'

SECTION

PLAN FOR KAD ONLY - NOT FOR CONSTRUCTION
PROFILE GRADE
NO SCALE

TOTAL LENGTH OF BRIDGE = 586'-7" MEASURED ALONG STRUCTURE E

ELEVATION
SCALE 1"= 40'

TYPICAL SECTION
SCALE 1"= 10'

CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE
ALTERNATIVE 5
ROADWAY STRUCTURES
DRAINAGE AND WILDLIFE CROSSING OVERHEAD PLAN AND ELEVATION

PROFILE GRADE
NO SCALE

TOTAL LENGTH OF BRIDGE = 586'-7" MEASURED ALONG STRUCTURE E