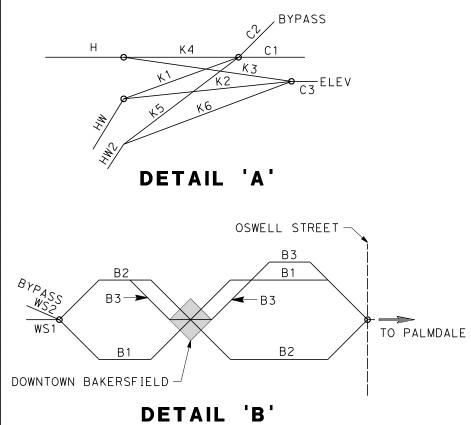


SUBSECTION CODE	NAME	LENGTH (MI)	EIR-EIS ALTERNATIVE
F 1	FRESNO SUBSECTION	7.00	BNSF
М	MONMOUTH SUBSECTION	8.24	BNSF
Н	HANFORD SUBSECTION	20.45	BNSF (HANFORD EAST)
HW	HANFORD WEST BYPASS SUBSECTION	18.27	HANFORD WEST BYPASS 1 & 2
HW2	HANFORD WEST BYPASS SUBSECTION	17.22	HANFORD WEST BYPASS 1 & 2 MODIFIED
K1	KAWEAH SUBSECTION	10.12	HANFORD WEST BYPASS 2 (AT-GRADE) (CONNECTS TO C1 [CORCORAN ELEVATED] OR C2 [CORCORAN BYPASS])
K2	KAWEAH SUBSECTION	10.83	HANFORD WEST BYPASS 1 (AT-GRADE) (CONNECTS TO C3 [BNSF THROUGH CORCORAN])
К3	KAWEAH SUBSECTION	10.61	BNSF (HANFORD EAST) (CONNECTS TO C3 [BNSF THROUGH CORCORAN])
K4	KAWEAH SUBSECTION	9.92	BNSF (HANFORD EAST) (CONNECTS TO C1 [CORCORAN ELEVATED] OR C2 [CORCORAN BYPASS])
K5	KAWEAH SUBSECTION	11.17	HANFORD WEST BYPASS 2 MODIFIED (BELOW-GRADE) (CONNECTS TO C1 [CORCORAN ELEVATED] OR C2 [CORCORAN BYPASS]
K6	KAWEAH SUBSECTION	11.84	HANFORD WEST BYPASS 1 MODIFIED (BELOW-GRADE) (CONNECTS TO C3 [BNSF THROUGH CORCORAN])
C1	CORCORAN SUBSECTION	9.36	CORCORAN ELEVATED
C2	CORCORAN BYPASS SUBSECTION	9.49	CORCORAN BYPASS
С3	CORCORAN SUBSECTION	8.74	BNSF (THROUGH CORCORAN)
Р	PIXLEY SUBSECTION	6.88	BNSF
A 1	ALLENSWORTH BYPASS SUBSECTION	19.05	ALLENSWORTH BYPASS
A2	THROUGH ALLENSWORTH SUBSECTION	19.03	BNSF (THROUGH ALLENSWORTH)
L1	POSO CREEK SUBSECTION	3.18	ALLENSWORTH BYPASS (CONNECTS TO BNSF [THROUGH WASCO-SHAFTER])
L2	POSO CREEK SUBSECTION	8.41	ALLENSWORTH BYPASS (CONNECTS TO WASCO-SHAFTER BYPASS)
L3	POSO CREEK SUBSECTION	3.18	BNSF (THROUGH ALLENSWORTH) (CONNECTS TO BNSF [THROUGH WASCO-SHAFTER])
L4	POSO CREEK SUBSECTION	8.43	BNSF (THROUGH ALLENSWORTH) (CONNECTS TO WASCO-SHAFTER BYPASS)
WS1	THROUGH WASCO-SHAFTER SUBSECTION	20.63	BNSF (THROUGH WASCO-SHAFTER)
WS2	WASCO-SHAFTER BYPASS SUBSECTION	14.49	WASCO-SHAFTER BYPASS
B1	BAKERSFIELD URBAN SUBSECTION	11.95	BNSF (BAKERSFIELD NORTH)
B2	BAKERSFIELD URBAN SUBSECTION	11.88	BAKERSFIELD SOUTH
В3	BAKERSFIELD URBAN SUBSECTION	11.95	BAKERSFIELD HYBRID

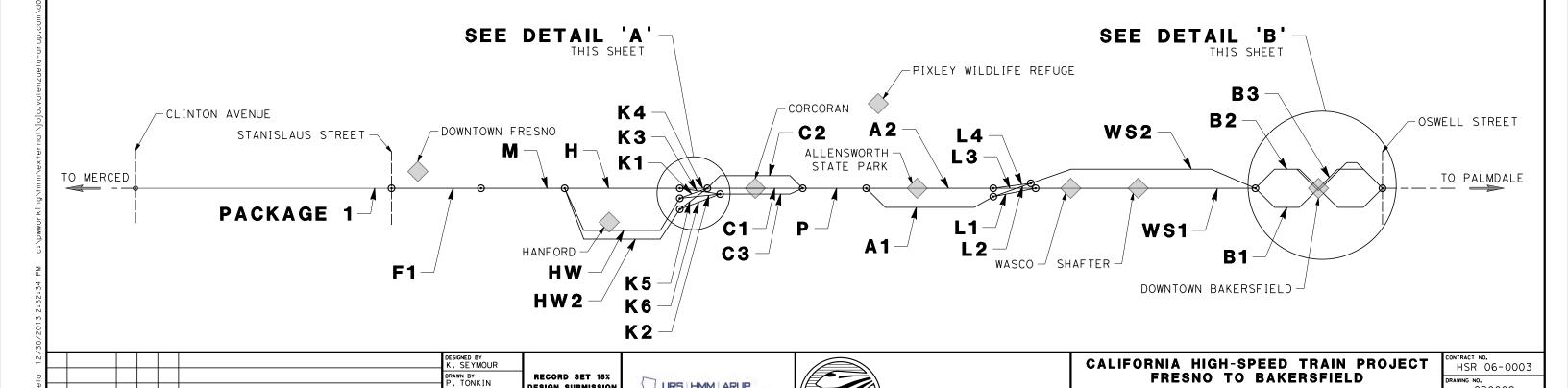


ALIGNMENT ALIGNMENT SUBSECTION DIAGRAM

CB0002

NTS

2 OF 12



CALIFORNIA

HIGH-SPEED RAIL AUTHORITY

URS HMM ARUP

DESIGN SUBMISSION

NOT FOR

CONSTRUCTION

CHECKED BY D. HUNT

DESCRIPTION

BY CHK APP

N CHARGE R. COFFIN

12/31/13

### **GENERAL SHEETS**

DRAWING No	DRAWING DESCRIPTION	SHEET No.	PART No.
CB0001	ALIGNMENT - LOCATION MAP	SHEET 1 OF 12	
CB0002	ALIGNMENT - ALIGNMENT SUBSECTION DIAGRAM	SHEET 2 OF 12	
SB2001	HST STRUCTURES - INDEX OF SHEETS - SHEET 1 OF 8	SHEET 3 OF 12	
SB2002	HST STRUCTURES - INDEX OF SHEETS - SHEET 2 OF 8	SHEET 4 OF 12	
SB2003	HST STRUCTURES - INDEX OF SHEETS - SHEET 3 OF 8	SHEET 5 OF 12	1
SB2004	HST STRUCTURES - INDEX OF SHEETS - SHEET 4 OF 8	SHEET 6 OF 12	1 1
SB2005	HST STRUCTURES - INDEX OF SHEETS - SHEET 5 OF 8	SHEET 7 OF 12	
SB2006	HST STRUCTURES - INDEX OF SHEETS - SHEET 6 OF 8	SHEET 8 OF 12	
SB2007	HST STRUCTURES - INDEX OF SHEETS - SHEET 7 OF 8	SHEET 9 OF 12	
SB2008	HST STRUCTURES - INDEX OF SHEETS - SHEET 8 OF 8	SHEET 10 OF 12	
CB0010	GENERAL - ABBREVIATIONS AND LEGENDS - SHEET 1 OF 2	SHEET 11 OF 12	
CB0011	GENERAL - ABBREVIATIONS AND LEGENDS - SHEET 2 OF 2	SHEET 12 OF 12	

# ALIGNMENT F1 - FRESNO STREET UNDERPASS

DRAWING No	DRAWING DESCRIPTION	SHEET No.	PART No.
SV2185	FRESNO SUBSECTION - ALIGNMENT F1 - FRESNO STREET UNDERPASS - KEY MAP	SHEET 1 OF 2	1
SV2186	FRESNO SUBSECTION - ALIGNMENT F1 - FRESNO STREET UNDERPASS - PLAN AND ELEVATION	SHEET 2 OF 2	1

# ALIGNMENT F1 - TULARE STREET UNDERPASS

DRAWING No	DRAWING DESCRIPTION	SHEET No.	PART No.
SV2187	FRESNO SUBSECTION - ALIGNMENT F1 - TULARE STREET UNDERPASS - KEY MAP	SHEET 1 OF 2	1
SV2188	FRESNO SUBSECTION - ALIGNMENT F1 - TULARE STREET UNDERPASS - PLAN AND ELEVATION	SHEET 2 OF 2	1

#### ALIGNMENT F1 - TULARE STREET UPRR UNDERPASS

DRAWING No	DRAWING DESCRIPTION	SHEET No.	PART No.
SV2280	FRESNO SUBSECTION - ALIGNMENT F1 - TULARE STREET UPRR UNDERPASS - KEY MAP	SHEET 1 OF 2	1
SV2281	FRESNO SUBSECTION - ALIGNMENT F1 - TULARE STREET UPRR UNDERPASS - PLAN AND ELEVATION	SHEET 2 OF 2	1 1

### ALIGNMENT F1 - VENTURA STREET UNDERPASS

DRAWING No	DRAWING DESCRIPTION	SHEET No.	PART No.
SV2215	FRESNO SUBSECTION - ALIGNMENT F1 - VENTURA STREET UNDERPASS - KEY MAP	SHEET 1 OF 2	1
SV2216	FRESNO SUBSECTION - ALIGNMENT F1 - VENTURA STREET UNDERPASS - PLAN AND ELEVATION	SHEET 2 OF 2	1

### ALIGNMENT F1 - VENTURA STREET UPRR UNDERPASS

DRAWING No	DRAWING DESCRIPTION	SHEET No.	PART No.
SV2282	FRESNO SUBSECTION - ALIGNMENT F1 - VENTURA STREET UPRR UNDERPASS - KEY MAP	SHEET 1 OF 2	1
SV2283	FRESNO SUBSECTION - ALIGNMENT F1 - VENTURA STREET UPRR UNDERPASS - PLAN AND ELEVATION	SHEET 2 OF 2	1

# ALIGNMENT F1 - JENSEN TRENCH

DRAWING No	DRAWING DESCRIPTION	SHEET No.	PART No.
SV2190	FRESNO SUBSECTION - ALIGNMENT F1 - JENSEN TRENCH - KEY MAP	SHEET 1 OF 10	
SV2191	FRESNO SUBSECTION - ALIGNMENT F1 - JENSEN TRENCH - PLAN AND ELEVATION	SHEET 2 OF 10	
SV2192	FRESNO SUBSECTION - ALIGNMENT F1 - JENSEN TRENCH - PLAN AND ELEVATION	SHEET 3 OF 10	
SV2193	FRESNO SUBSECTION - ALIGNMENT F1 - JENSEN TRENCH - PLAN AND ELEVATION	SHEET 4 OF 10	
SV2194	FRESNO SUBSECTION - ALIGNMENT F1 - JENSEN TRENCH - PLAN AND ELEVATION	SHEET 5 OF 10	1
SV2195	FRESNO SUBSECTION - ALIGNMENT F1 - JENSEN TRENCH - PLAN AND ELEVATION	SHEET 6 OF 10	
SV2196	FRESNO SUBSECTION - ALIGNMENT F1 - JENSEN TRENCH - PLAN AND ELEVATION	SHEET 7 OF 10	
SV2197	FRESNO SUBSECTION - ALIGNMENT F1 - JENSEN TRENCH - PLAN AND ELEVATION	SHEET 8 OF 10	
SV2198	FRESNO SUBSECTION - ALIGNMENT F1 - JENSEN TRENCH - PLAN AND ELEVATION	SHEET 9 OF 10	
SV2199	FRESNO SUBSECTION - ALIGNMENT F1 - JENSEN TRENCH - TYPICAL SECTIONS	SHEET 10 OF 10	

# ALIGNMENT F1 - FRESNO VIADUCT

DRAWING No	DRAWING DESCRIPTION	SHEET No.	PART No.	
SV2200	FRESNO SUBSECTION - ALIGNMENT F1 - FRESNO VIADUCT - KEY MAP	SHEET 1 OF 10		
SV2201	FRESNO SUBSECTION - ALIGNMENT F1 - FRESNO VIADUCT - PLAN AND ELEVATION	SHEET 2 OF 10		
SV2202	FRESNO SUBSECTION - ALIGNMENT F1 - FRESNO VIADUCT - PLAN AND ELEVATION	SHEET 3 OF 10		
SV2203	FRESNO SUBSECTION - ALIGNMENT F1 - FRESNO VIADUCT - PLAN AND ELEVATION	SHEET 4 OF 10		
SV2204	FRESNO SUBSECTION - ALIGNMENT F1 - FRESNO VIADUCT - PLAN AND ELEVATION	SHEET 5 OF 10	1	
SV2205	FRESNO SUBSECTION - ALIGNMENT F1 - FRESNO VIADUCT - PLAN AND ELEVATION	SHEET 6 OF 10		
SV2206	FRESNO SUBSECTION - ALIGNMENT F1 - FRESNO VIADUCT - PLAN AND ELEVATION	SHEET 7 OF 10		
SV2207	FRESNO SUBSECTION - ALIGNMENT F1 - FRESNO VIADUCT - PLAN AND ELEVATION	SHEET 8 OF 10		
SV2208	FRESNO SUBSECTION - ALIGNMENT F1 - FRESNO VIADUCT - TYPICAL SECTIONS	SHEET 9 OF 10		
SV2209	FRESNO SUBSECTION - ALIGNMENT F1 - FRESNO VIADUCT - TYPICAL SECTIONS	SHEET 10 OF 10		

# ALIGNMENT H - CONEJO VIADUCT

DRAWING No	DRAWING DESCRIPTION	SHEET No.	PART No.
SV2220	HANFORD SUBSECTION - ALIGNMENT H - CONEJO VIADUCT - KEY MAP	1 OF 8	
SV2221	HANFORD SUBSECTION - ALIGNMENT H - CONEJO VIADUCT - PLAN AND ELEVATION	2 OF 8	
SV2222	HANFORD SUBSECTION - ALIGNMENT H - CONEJO VIADUCT - PLAN AND ELEVATION	3 OF 8	1
SV2223	HANFORD SUBSECTION - ALIGNMENT H - CONEJO VIADUCT - PLAN AND ELEVATION	4 OF 8	1
SV2224	HANFORD SUBSECTION - ALIGNMENT H - CONEJO VIADUCT - PLAN AND ELEVATION	5 OF 8	
SV2225	HANFORD SUBSECTION - ALIGNMENT H - CONEJO VIADUCT - PLAN AND ELEVATION	6 OF 8	
SV2226	HANFORD SUBSECTION - ALIGNMENT H - CONEJO VIADUCT - PLAN AND ELEVATION	7 OF 8	
SV2227	HANFORD SUBSECTION - ALIGNMENT H - CONEJO VIADUCT - TYPICAL SECTIONS	8 OF 8	

# ALIGNMENT H - KINGS RIVER VIADUCT

DRAWING No	DRAWING DESCRIPTION	SHEET No.	PART No.
SV2258	HANFORD SUBSECTION - ALIGNMENT H - KINGS RIVER VIADUCT - KEY MAP	SHEET 1 OF 18	
SV2259	HANFORD SUBSECTION - ALIGNMENT H - KINGS RIVER VIADUCT - PLAN AND ELEVATION	SHEET 2 OF 18	
SV2260	HANFORD SUBSECTION - ALIGNMENT H - KINGS RIVER VIADUCT - PLAN AND ELEVATION	SHEET 3 OF 18	
SV2261	HANFORD SUBSECTION - ALIGNMENT H - KINGS RIVER VIADUCT - PLAN AND ELEVATION	SHEET 4 OF 18	
SV2262	HANFORD SUBSECTION - ALIGNMENT H - KINGS RIVER VIADUCT - PLAN AND ELEVATION	SHEET 5 OF 18	
SV2263	HANFORD SUBSECTION - ALIGNMENT H - KINGS RIVER VIADUCT - PLAN AND ELEVATION	SHEET 6 OF 18	
SV2264	HANFORD SUBSECTION - ALIGNMENT H - KINGS RIVER VIADUCT - PLAN AND ELEVATION	SHEET 7 OF 18	
SV2265	HANFORD SUBSECTION - ALIGNMENT H - KINGS RIVER VIADUCT - PLAN AND ELEVATION	SHEET 8 OF 18	
SV2266	HANFORD SUBSECTION - ALIGNMENT H - KINGS RIVER VIADUCT - PLAN AND ELEVATION	SHEET 9 OF 18	1
SV2267	HANFORD SUBSECTION - ALIGNMENT H - KINGS RIVER VIADUCT - PLAN AND ELEVATION	SHEET 10 OF 18	1 1
SV2268	HANFORD SUBSECTION - ALIGNMENT H - KINGS RIVER VIADUCT - PLAN AND ELEVATION	SHEET 11 OF 18	
SV2269	HANFORD SUBSECTION - ALIGNMENT H - KINGS RIVER VIADUCT - PLAN AND ELEVATION	SHEET 12 OF 18	
SV2270	HANFORD SUBSECTION - ALIGNMENT H - KINGS RIVER VIADUCT - PLAN AND ELEVATION	SHEET 13 OF 18	
SV2271	HANFORD SUBSECTION - ALIGNMENT H - KINGS RIVER VIADUCT - PLAN AND ELEVATION	SHEET 14 OF 18	
SV2272	HANFORD SUBSECTION - ALIGNMENT H - KINGS RIVER VIADUCT - PLAN AND ELEVATION	SHEET 15 OF 18	
SV2273	HANFORD SUBSECTION - ALIGNMENT H - KINGS RIVER VIADUCT - PLAN AND ELEVATION	SHEET 16 OF 18	
SV2274	HANFORD SUBSECTION - ALIGNMENT H - KINGS RIVER VIADUCT - TYPICAL SECTIONS	SHEET 17 OF 18	
SV2275	HANFORD SUBSECTION - ALIGNMENT H - KINGS RIVER VIADUCT - TYPICAL SECTIONS	SHEET 18 OF 18	1

# ALIGNMENT H - HANFORD VIADUCT

DRAWING No	DRAWING DESCRIPTION	SHEET No.	PART No.
SV2300	HANFORD SUBSECTION - ALIGNMENT H - HANFORD VIADUCT - KEY MAP	SHEET 1 OF 14	
SV2301	HANFORD SUBSECTION - ALIGNMENT H - HANFORD VIADUCT - PLAN AND ELEVATION	SHEET 2 OF 14	
SV2302	HANFORD SUBSECTION - ALIGNMENT H - HANFORD VIADUCT - PLAN AND ELEVATION	SHEET 3 OF 14	
SV2303	HANFORD SUBSECTION - ALIGNMENT H - HANFORD VIADUCT - PLAN AND ELEVATION	SHEET 4 OF 14	
SV2304	HANFORD SUBSECTION - ALIGNMENT H - HANFORD VIADUCT - PLAN AND ELEVATION	SHEET 5 OF 14	
SV2305	HANFORD SUBSECTION - ALIGNMENT H - HANFORD VIADUCT - PLAN AND ELEVATION	SHEET 6 OF 14	
SV2306	HANFORD SUBSECTION - ALIGNMENT H - HANFORD VIADUCT - PLAN AND ELEVATION	SHEET 7 OF 14	1
SV2307	HANFORD SUBSECTION - ALIGNMENT H - HANFORD VIADUCT - PLAN AND ELEVATION	SHEET 8 OF 14	·
SV2308	HANFORD SUBSECTION - ALIGNMENT H - HANFORD VIADUCT - PLAN AND ELEVATION	SHEET 9 OF 14	
SV2309	HANFORD SUBSECTION - ALIGNMENT H - HANFORD VIADUCT - PLAN AND ELEVATION	SHEET 10 OF 14	
SV2310	HANFORD SUBSECTION - ALIGNMENT H - HANFORD VIADUCT - PLAN AND ELEVATION	SHEET 11 OF 14	
SV2311	HANFORD SUBSECTION - ALIGNMENT H - HANFORD VIADUCT - PLAN AND ELEVATION	SHEET 12 OF 14	
SV2312	HANFORD SUBSECTION - ALIGNMENT H - HANFORD VIADUCT - TYPICAL SECTIONS	SHEET 13 OF 14	
SV2313	HANFORD SUBSECTION - ALIGNMENT H - HANFORD VIADUCT - TYPICAL SECTIONS	SHEET 14 OF 14	

9	REV	DATE	ВΥ	СНК	APP	DESCRIPTION	DATE 12/31/13	
>							IN CHARGE R. COFFIN	
alenzne							CHECKED BY A. ARMSTRONG	
pelo							DRAWN BY J. VALENZUELA	DI
15							DESIGNED BY M. FISHER	
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# CALIFORNIA HIGH-SPEED TRAIN PROJECT FRESNO TO BAKERSFIELD

HST STRUCTURES INDEX OF SHEETS SHEET 1 OF 8 CONTRACT NO.
HSR 06-0003
DRAWING NO.
SB2001
SCALE
NO SCALE

DRAWING No	DRAWING DESCRIPTION	SHEET No.	PART No.
SV2010	HANFORD WEST BYPASS SUBSECTION - ALIGNMENT HW (AT-GRADE) - E CONEJO AVE HST UNDERPASS - KEY MAP	SHEET 1 OF 2	1
SV2011	HANFORD WEST BYPASS SUBSECTION - ALIGNMENT HW (AT-GRADE) - E CONEJO AVE HST UNDERPASS - PLAN AND ELEVATION	SHEET 2 OF 2	

# ALIGNMENT HW - E CONEJO AVE BNSF UNDERPASS

DRAWING No	DRAWING DESCRIPTION	SHEET No.	PART No.
SV2040	HANFORD WEST BYPASS SUBSECTION - ALIGNMENT HW (AT-GRADE) - E CONEJO AVE BNSF UNDERPASS - KEY MAP	SHEET 1 OF 2	1
SV2041	HANFORD WEST BYPASS SUBSECTION - ALIGNMENT HW (AT-GRADE) - E CONEJO AVE BNSF UNDERPASS - PLAN AND ELEVATION	SHEET 2 OF 2	1 1

#### ALIGNMENT HW - KINGS RIVER VIADUCT (AT-GRADE)

DRAWING No	DRAWING DESCRIPTION	SHEET No.	PART No.
SV1110	HANFORD WEST BYPASS SUBSECTION - ALIGNMENT HW (AT-GRADE) - KINGS RIVER VIADUCT - KEY MAP	SHEET 1 OF 11	
SV1111	HANFORD WEST BYPASS SUBSECTION - ALIGNMENT HW (AT-GRADE) - KINGS RIVER VIADUCT - PLAN AND ELEVATION	SHEET 2 OF 11	
SV1112	HANFORD WEST BYPASS SUBSECTION - ALIGNMENT HW (AT-GRADE) - KINGS RIVER VIADUCT - PLAN AND ELEVATION	SHEET 3 OF 11	
SV1113	HANFORD WEST BYPASS SUBSECTION - ALIGNMENT HW (AT-GRADE) - KINGS RIVER VIADUCT - PLAN AND ELEVATION	SHEET 4 OF 11	
SV1114	HANFORD WEST BYPASS SUBSECTION - ALIGNMENT HW (AT-GRADE) - KINGS RIVER VIADUCT - PLAN AND ELEVATION	SHEET 5 OF 11	1
SV1115	HANFORD WEST BYPASS SUBSECTION - ALIGNMENT HW (AT-GRADE) - KINGS RIVER VIADUCT - PLAN AND ELEVATION	SHEET 6 OF 11	1
SV1116	HANFORD WEST BYPASS SUBSECTION - ALIGNMENT HW (AT-GRADE) - KINGS RIVER VIADUCT - PLAN AND ELEVATION	SHEET 7 OF 11	
SV1117	HANFORD WEST BYPASS SUBSECTION - ALIGNMENT HW (AT-GRADE) - KINGS RIVER VIADUCT - PLAN AND ELEVATION	SHEET 8 OF 11	
SV1118	HANFORD WEST BYPASS SUBSECTION - ALIGNMENT HW (AT-GRADE) - KINGS RIVER VIADUCT - PLAN AND ELEVATION	SHEET 9 OF 11	
SV1119	HANFORD WEST BYPASS SUBSECTION - ALIGNMENT HW (AT-GRADE) - KINGS RIVER VIADUCT - PLAN AND ELEVATION	SHEET 10 OF 11	
SV1120	HANFORD WEST BYPASS SUBSECTION - ALIGNMENT HW (AT-GRADE) - KINGS RIVER VIADUCT - TYPICAL SECTIONS	SHEET 11 OF 11	

### ALIGNMENT HW - GRANGEVILLE BLVD UNDERPASS (AT-GRADE)

DRAWING No	DRAWING DESCRIPTION	SHEET No.	PART No.
SV2025	HANFORD WEST BYPASS SUBSECTION - ALIGNMENT HW (AT-GRADE) - GRANGEVILLE BLVD UNDERPASS - KEY MAP	SHEET 1 OF 2	1
SV2026	HANFORD WEST BYPASS SUBSECTION - ALIGNMENT HW (AT-GRADE) - GRANGEVILLE BLVD UNDERPASS - PLAN AND ELEVATION	SHEET 2 OF 2	1

# ALIGNMENT HW - W LACEY BLVD UNDERPASS (AT-GRADE)

DRAWING No	DRAWING DESCRIPTION	SHEET No.	PART No.
SV2030	HANFORD WEST BYPASS SUBSECTION - ALIGNMENT HW (AT-GRADE) - W LACEY BLVD UNDERPASS - KEY MAP	SHEET 1 OF 2	1
SV2031	HANFORD WEST BYPASS SUBSECTION - ALIGNMENT HW (AT-GRADE) - W LACEY BLVD UNDERPASS - PLAN AND ELEVATION	SHEET 2 OF 2	

# ALIGNMENT HW - 13TH AVE UNDERPASS (AT-GRADE)

DRAWING No	DRAWING DESCRIPTION	SHEET No.	PART No.
SV2035	HANFORD WEST BYPASS SUBSECTION - ALIGNMENT HW (AT-GRADE) - 13TH AVE UNDERPASS - KEY MAP	SHEET 1 OF 2	1
SV2036	HANFORD WEST BYPASS SUBSECTION - ALIGNMENT HW (AT-GRADE) - 13TH AVE UNDERPASS - PLAN AND ELEVATION	SHEET 2 OF 2	1

# ALIGNMENT HW - SJVR OVERPASS (AT-GRADE)

DRAWING No	DRAWING DESCRIPTION	SHEET No.	PART No.
SV2045	HANFORD WEST BYPASS SUBSECTION - ALIGNMENT HW (AT-GRADE) - SJVR OVERPASS - KEY MAP	SHEET 1 OF 4	
SV2046	HANFORD WEST BYPASS SUBSECTION - ALIGNMENT HW (AT-GRADE) - SJVR OVERPASS - PLAN AND ELEVATION	SHEET 2 OF 4	1
SV2047	HANFORD WEST BYPASS SUBSECTION - ALIGNMENT HW (AT-GRADE) - SJVR OVERPASS - PLAN AND ELEVATION	SHEET 3 OF 4	1
SV2048	HANFORD WEST BYPASS SUBSECTION - ALIGNMENT HW (AT-GRADE) - SIVR OVERPASS - PLAN AND ELEVATION	SHEET 4 OF 4	

# ALIGNMENT HW2 - E CONEJO AVE HST UNDERPASS

DRAWING No	DRAWING DESCRIPTION	SHEET No.	PART No.
SV1000	HANFORD WEST ALTERNATIVE SUBSECTION - ALIGNMENT HW2 (BELOW-GRADE) - MODIFIED - E CONEJO AVE HST UNDERPASS - KEY MAP	SHEET 1 OF 2	1
SV1001	HANFORD WEST ALTERNATIVE SUBSECTION - ALIGNMENT HW2 (BELOW-GRADE) - MODIFIED - E CONEJO AVE HST UNDERPASS - PLAN AND ELEVATION	SHEET 2 OF 2	'

#### ALIGNMENT HW2 - E CONEJO AVE BNSF UNDERPASS

DRAWING No	DRAWING DESCRIPTION	SHEET No.	PART No.
SV1002	HANFORD WEST BYPASS SUBSECTION - ALIGNMENT HW2 (BELOW-GRADE) - MODIFIED - E CONEJO AVE BNSF UNDERPASS - KEY MAP	SHEET 1 OF 2	1
SV1003	HANFORD WEST BYPASS SUBSECTION - ALIGNMENT HW2 (BELOW-GRADE) - MODIFIED - E CONEJO AVE BNSF UNDERPASS - PLAN AND ELEVATION	SHEET 2 OF 2	]

# ALIGNMENT HW2 - KINGS RIVER VIADUCT (BELOW-GRADE)

DRAWING No	DRAWING DESCRIPTION	SHEET No.	PART No.
SV1010	HANFORD WEST ALTERNATIVE SUBSECTION - ALIGNMENT HW2 (BELOW-GRADE) - MODIFIED - KINGS RIVER VIADUCT - KEY MAP	SHEET 1 OF 11	
SV1011	HANFORD WEST ALTERNATIVE SUBSECTION - ALIGNMENT HW2 (BELOW-GRADE) - MODIFIED - KINGS RIVER VIADUCT - PLAN AND ELEVATION	SHEET 2 OF 11	
SV1012	HANFORD WEST ALTERNATIVE SUBSECTION - ALIGNMENT HW2 (BELOW-GRADE) - MODIFIED - KINGS RIVER VIADUCT - PLAN AND ELEVATION	SHEET 3 OF 11	
SV1013	HANFORD WEST ALTERNATIVE SUBSECTION - ALIGNMENT HW2 (BELOW-GRADE) - MODIFIED - KINGS RIVER VIADUCT - PLAN AND ELEVATION	SHEET 4 OF 11	
SV1014	HANFORD WEST ALTERNATIVE SUBSECTION - ALIGNMENT HW2 (BELOW-GRADE) - MODIFIED - KINGS RIVER VIADUCT - PLAN AND ELEVATION	SHEET 5 OF 11	] ,
SV1015	HANFORD WEST ALTERNATIVE SUBSECTION - ALIGNMENT HW2 (BELOW-GRADE) - MODIFIED - KINGS RIVER VIADUCT - PLAN AND ELEVATION	SHEET 6 OF 11	1
SV1016	HANFORD WEST ALTERNATIVE SUBSECTION - ALIGNMENT HW2 (BELOW-GRADE) - MODIFIED - KINGS RIVER VIADUCT - PLAN AND ELEVATION	SHEET 7 OF 11	
SV1017	HANFORD WEST ALTERNATIVE SUBSECTION - ALIGNMENT HW2 (BELOW-GRADE) - MODIFIED - KINGS RIVER VIADUCT - PLAN AND ELEVATION	SHEET 8 OF 11	
SV1018	HANFORD WEST ALTERNATIVE SUBSECTION - ALIGNMENT HW2 (BELOW-GRADE) - MODIFIED - KINGS RIVER VIADUCT - PLAN AND ELEVATION	SHEET 9 OF 11	
SV1019	HANFORD WEST ALTERNATIVE SUBSECTION - ALIGNMENT HW2 (BELOW-GRADE) - MODIFIED - KINGS RIVER VIADUCT - PLAN AND ELEVATION	SHEET 10 OF 11	
SV1020	HANFORD WEST ALTERNATIVE SUBSECTION - ALIGNMENT HW2 (BELOW-GRADE) - MODIFIED - KINGS RIVER VIADUCT - TYPICAL SECTIONS	SHEET 11 OF 11	

# ALIGNMENT HW2 - GRANGEVILLE BLVD UNDERPASS (BELOW-GRADE)

DRAWING No	DRAWING DESCRIPTION	SHEET No.	PART No.
SV2027	HANFORD WEST BYPASS SUBSECTION - ALIGNMENT HW2 (BELOW-GRADE) - MODIFIED - GRANGEVILLE BLVD UNDERPASS - KEY MAP	SHEET 1 OF 2	1
SV2028	HANFORD WEST BYPASS SUBSECTION - ALIGNMENT HW2 (BELOW-GRADE) - MODIFIED - GRANGEVILLE BLVD UNDERPASS - PLAN AND ELEVATION	SHEET 2 OF 2	1

# ALIGNMENT HW2 - SJVR OVERPASS (BELOW-GRADE)

DRAWING No	DRAWING DESCRIPTION	SHEET No.	PART No.
SV2050	HANFORD WEST BYPASS SUBSECTION - ALIGNMENT HW (AT-GRADE) - SJVR OVERPASS - KEY MAP	SHEET 1 OF 2	1
SV2051	HANFORD WEST BYPASS SUBSECTION - ALIGNMENT HW (AT-GRADE) - SJVR OVERPASS - PLAN AND ELEVATION	SHEET 2 OF 2	1 1

# ALIGNMENT K1 - IDAHO AVE UNDERPASS

DRAWING No	DRAWING DESCRIPTION	SHEET No.	PART No.
SV2060	KAWEAH SUBSECTION - ALIGNMENT K1 - IDAHO AVE UNDERPASS - KEY MAP	SHEET 1 OF 2	1
SV2061	KAWEAH SUBSECTION - ALIGNMENT K1 - IDAHO AVE UNDERPASS - PLAN AND ELEVATION	SHEET 2 OF 2	

# ALIGNMENT K1 - 12TH AVE UNDERPASS

DRAWING No	DRAWING DESCRIPTION	SHEET No.	PART No.
SV2065	KAWEAH SUBSECTION - ALIGNMENT K1 - 12TH AVE UNDERPASS - KEY MAP	SHEET 1 OF 2	1
SV2066	KAWEAH SUBSECTION - ALIGNMENT K1 - 12TH AVE UNDERPASS - PLAN AND ELEVATION	SHEET 2 OF 2	±

# ALIGNMENT K1 - S 11TH AVE UNDERPASS

DRAWING No	DRAWING DESCRIPTION	SHEET No.	PART No.
SV2070	KAWEAH SUBSECTION - ALIGNMENT K1 - S 11TH AVE UNDERPASS - KEY MAP	SHEET 1 OF 2	1
SV2071	KAWEAH SUBSECTION - ALIGNMENT K1 - S 11TH AVE UNDERPASS - PLAN AND ELEVATION	SHEET 2 OF 2	1

# ALIGNMENT K1 - SOUTH BNSF VIADUCT

DRAWING No	DRAWING DESCRIPTION	SHEET No.	PART No.
SV2080	KAWEAH SUBSECTION - ALIGNMENT K1 - SOUTH BNSF VIADUCT - KEY MAP	SHEET 1 OF 9	
SV2081	KAWEAH SUBSECTION - ALIGNMENT K1 - SOUTH BNSF VIADUCT - PLAN AND ELEVATION	SHEET 2 OF 9	
SV2082	KAWEAH SUBSECTION - ALIGNMENT K1 - SOUTH BNSF VIADUCT - PLAN AND ELEVATION	SHEET 3 OF 9	
SV2083	KAWEAH SUBSECTION - ALIGNMENT K1 - SOUTH BNSF VIADUCT - PLAN AND ELEVATION	SHEET 4 OF 9	
SV2084	KAWEAH SUBSECTION - ALIGNMENT K1 - SOUTH BNSF VIADUCT - PLAN AND ELEVATION	SHEET 5 OF 9	] , [
SV2085	KAWEAH SUBSECTION - ALIGNMENT K1 - SOUTH BNSF VIADUCT - PLAN AND ELEVATION	SHEET 6 OF 9	
SV2086	KAWEAH SUBSECTION - ALIGNMENT K1 - SOUTH BNSF VIADUCT - PLAN AND ELEVATION	SHEET 7 OF 9	
SV2087	KAWEAH SUBSECTION - ALIGNMENT K1 - SOUTH BNSF VIADUCT - PLAN AND ELEVATION	SHEET 8 OF 9	
SV2088	KAWEAH SUBSECTION - ALIGNMENT K1 - SOUTH BNSF VIADUCT - TYPICAL SECTION	SHEET 9 OF 9	

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# CALIFORNIA HIGH-SPEED TRAIN PROJECT FRESNO TO BAKERSFIELD

HST STRUCTURES INDEX OF SHEETS SHEET 2 OF 8

CONTRACT NO. HSR 06-0003
DRAWING NO.
SB2002
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SHEET NO.

# ALIGNMENT K2 - IDAHO AVE UNDERPASS

DRAWING No	DRAWING DESCRIPTION	SHEET No.	PART No.
SV2120	KAWEAH SUBSECTION - ALIGNMENT K2 - IDAHO AVE UNDERPASS - KEY MAP	SHEET 1 OF 2	1
SV2121	KAWEAH SUBSECTION - ALIGNMENT K2 - IDAHO AVE UNDERPASS - PLAN AND ELEVATION	SHEET 2 OF 2	1

# ALIGNMENT K2 - 12TH AVE UNDERPASS

DRAWING No	DRAWING DESCRIPTION	SHEET No.	PART No.
SV2125	KAWEAH SUBSECTION - ALIGNMENT K2 - 12TH AVE UNDERPASS - KEY MAP	SHEET 1 OF 2	1
SV2126	KAWEAH SUBSECTION - ALIGNMENT K2 - 12TH AVE UNDERPASS - PLAN AND ELEVATION	SHEET 2 OF 2	1

# ALIGNMENT K2 - S 11TH AVE UNDERPASS

DRAWING No	DRAWING DESCRIPTION	SHEET No.	PART No.
SV2130	KAWEAH SUBSECTION - ALIGNMENT K2 - S 11TH AVE UNDERPASS - KEY MAP	SHEET 1 OF 2	1
SV2131	KAWEAH SUBSECTION - ALIGNMENT K2 - S 11TH AVE UNDERPASS - PLAN AND ELEVATION	SHEET 2 OF 2	1

# ALIGNMENT K2 - KENT AVE UNDERPASS

DRAWING No	DRAWING DESCRIPTION	SHEET No.	PART No.
SV2135	KAWEAH SUBSECTION - ALIGNMENT K2 - KENT AVE UNDERPASS - KEY MAP	SHEET 1 OF 2	1
SV2136	KAWEAH SUBSECTION - ALIGNMENT K2 - KENT AVE UNDERPASS - PLAN AND ELEVATION	SHEET 2 OF 2	1

# ALIGNMENT K2 - KANSAS AVE UNDERPASS

DRAWING No	DRAWING DESCRIPTION	SHEET No.	PART No.
SV2140	KAWEAH SUBSECTION - ALIGNMENT K2 - KANSAS AVE UNDERPASS - KEY MAP	SHEET 1 OF 2	1
SV2141	KAWEAH SUBSECTION - ALIGNMENT K2 - KANSAS AVE UNDERPASS - PLAN AND ELEVATION	SHEET 2 OF 2	

# ALIGNMENT K2 - CROSS CREEK VIADUCT

DRAWING No	DRAWING DESCRIPTION	SHEET No.	PART No.
SV2150	KAWEAH SUBSECTION - ALIGNMENT K2 - CROSS CREEK VIADUCT - KEY MAP	SHEET 1 OF 18	
SV2151	KAWEAH SUBSECTION - ALIGNMENT K2 - CROSS CREEK VIADUCT - PLAN AND ELEVATION	SHEET 2 OF 18	
SV2152	KAWEAH SUBSECTION - ALIGNMENT K2 - CROSS CREEK VIADUCT - PLAN AND ELEVATION	SHEET 3 OF 18	
SV2153	KAWEAH SUBSECTION - ALIGNMENT K2 - CROSS CREEK VIADUCT - PLAN AND ELEVATION	SHEET 4 OF 18	
SV2154	KAWEAH SUBSECTION - ALIGNMENT K2 - CROSS CREEK VIADUCT - PLAN AND ELEVATION	SHEET 5 OF 18	
SV2155	KAWEAH SUBSECTION - ALIGNMENT K2 - CROSS CREEK VIADUCT - PLAN AND ELEVATION	SHEET 6 OF 18	
SV2156	KAWEAH SUBSECTION - ALIGNMENT K2 - CROSS CREEK VIADUCT - PLAN AND ELEVATION	SHEET 7 OF 18	
SV2157	KAWEAH SUBSECTION - ALIGNMENT K2 - CROSS CREEK VIADUCT - PLAN AND ELEVATION	SHEET 8 OF 18	
SV2158	KAWEAH SUBSECTION - ALIGNMENT K2 - CROSS CREEK VIADUCT - PLAN AND ELEVATION	SHEET 9 OF 18	1
SV2159	KAWEAH SUBSECTION - ALIGNMENT K2 - CROSS CREEK VIADUCT - PLAN AND ELEVATION	SHEET 10 OF 18	
SV2160	KAWEAH SUBSECTION - ALIGNMENT K2 - CROSS CREEK VIADUCT - PLAN AND ELEVATION	SHEET 11 OF 18	
SV2161	KAWEAH SUBSECTION - ALIGNMENT K2 - CROSS CREEK VIADUCT - PLAN AND ELEVATION	SHEET 12 OF 18	
SV2162	KAWEAH SUBSECTION - ALIGNMENT K2 - CROSS CREEK VIADUCT - PLAN AND ELEVATION	SHEET 13 OF 18	
SV2163	KAWEAH SUBSECTION - ALIGNMENT K2 - CROSS CREEK VIADUCT - PLAN AND ELEVATION	SHEET 14 OF 18	
SV2164	KAWEAH SUBSECTION - ALIGNMENT K2 - CROSS CREEK VIADUCT - PLAN AND ELEVATION	SHEET 15 OF 18	
SV2165	KAWEAH SUBSECTION - ALIGNMENT K2 - CROSS CREEK VIADUCT - PLAN AND ELEVATION	SHEET 16 OF 18	
SV2166	KAWEAH SUBSECTION - ALIGNMENT K2 - CROSS CREEK VIADUCT - PLAN AND ELEVATION	SHEET 17 OF 18	
SV2167	KAWEAH SUBSECTION - ALIGNMENT K2 - CROSS CREEK VIADUCT - TYPICAL SECTIONS	SHEET 18 OF 18	

# ALIGNMENT K3 - STATE ROUTE 43 UNDERPASS

DRAWING No	DRAWING DESCRIPTION	SHEET No.	PART No.
SV2540	KAWEAH SUBSECTION - ALIGNMENT K3 - STATE ROUTE 43 UNDERPASS - KEY MAP	SHEET 1 OF 3	
SV2541	KAWEAH SUBSECTION - ALIGNMENT K3 - STATE ROUTE 43 UNDERPASS - PLAN AND ELEVATION	SHEET 2 OF 3	1
SV2542	KAWEAH SUBSECTION - ALIGNMENT K3 - STATE ROUTE 43 UNDERPASS - TYPICAL SECTIONS	SHEET 3 OF 3	

# ALIGNMENT K3 - CROSS CREEK VIADUCT

DRAWING No	DRAWING DESCRIPTION	SHEET No.	PART No.
SV2380	KAWEAH SUBSECTION - ALIGNMENT K3 - CROSS CREEK VIADUCT - KEY MAP	SHEET 1 OF 18	
SV2381	KAWEAH SUBSECTION - ALIGNMENT K3 - CROSS CREEK VIADUCT - PLAN AND ELEVATION	SHEET 2 OF 18	
SV2382	KAWEAH SUBSECTION - ALIGNMENT K3 - CROSS CREEK VIADUCT - PLAN AND ELEVATION	SHEET 3 OF 18	
SV2383	KAWEAH SUBSECTION - ALIGNMENT K3 - CROSS CREEK VIADUCT - PLAN AND ELEVATION	SHEET 4 OF 18	
SV2384	KAWEAH SUBSECTION - ALIGNMENT K3 - CROSS CREEK VIADUCT - PLAN AND ELEVATION	SHEET 5 OF 18	
SV2385	KAWEAH SUBSECTION - ALIGNMENT K3 - CROSS CREEK VIADUCT - PLAN AND ELEVATION	SHEET 6 OF 18	
SV2386	KAWEAH SUBSECTION - ALIGNMENT K3 - CROSS CREEK VIADUCT - PLAN AND ELEVATION	SHEET 7 OF 18	
SV2387	KAWEAH SUBSECTION - ALIGNMENT K3 - CROSS CREEK VIADUCT - PLAN AND ELEVATION	SHEET 8 OF 18	1 1
SV2388	KAWEAH SUBSECTION - ALIGNMENT K3 - CROSS CREEK VIADUCT - PLAN AND ELEVATION	SHEET 9 OF 18	1
SV2389	KAWEAH SUBSECTION - ALIGNMENT K3 - CROSS CREEK VIADUCT - PLAN AND ELEVATION	SHEET 10 OF 18	
SV2390	KAWEAH SUBSECTION - ALIGNMENT K3 - CROSS CREEK VIADUCT - PLAN AND ELEVATION	SHEET 11 OF 18	
SV2391	KAWEAH SUBSECTION - ALIGNMENT K3 - CROSS CREEK VIADUCT - PLAN AND ELEVATION	SHEET 12 OF 18	
SV2392	KAWEAH SUBSECTION - ALIGNMENT K3 - CROSS CREEK VIADUCT - PLAN AND ELEVATION	SHEET 13 OF 18	
SV2393	KAWEAH SUBSECTION - ALIGNMENT K3 - CROSS CREEK VIADUCT - PLAN AND ELEVATION	SHEET 14 OF 18	
SV2394	KAWEAH SUBSECTION - ALIGNMENT K3 - CROSS CREEK VIADUCT - PLAN AND ELEVATION	SHEET 15 OF 18	
SV2395	KAWEAH SUBSECTION - ALIGNMENT K3 - CROSS CREEK VIADUCT - PLAN AND ELEVATION	SHEET 16 OF 18	
SV2396	KAWEAH SUBSECTION - ALIGNMENT K3 - CROSS CREEK VIADUCT - TYPICAL SECTIONS	SHEET 17 OF 18	
SV2397	KAWEAH SUBSECTION - ALIGNMENT K3 - CROSS CREEK VIADUCT - TYPICAL SECTIONS	SHEET 18 OF 18	

# ALIGNMENT K4 - STATE ROUTE 43 UNDERPASS

DRAWING No	DRAWING DESCRIPTION	SHEET No.	PART No.
SV2450	KAWEAH SUBSECTION - ALIGNMENT K4 - STATE ROUTE 43 UNDERPASS - KEY MAP	SHEET 1 OF 3	
SV2451	KAWEAH SUBSECTION - ALIGNMENT K4 - STATE ROUTE 43 UNDERPASS - PLAN AND ELEVATION	SHEET 2 OF 3	1
SV2452	KAWEAH SUBSECTION - ALIGNMENT K4 - STATE ROUTE 43 UNDERPASS - TYPICAL SECTIONS	SHEET 3 OF 3	

DESIGNED BY M. FISHER J. VALENZUELA CHECKED BY
A. ARMSTRONG CHARGE BY CHK APP DESCRIPTION 12/31/13

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#### CALIFORNIA HIGH-SPEED TRAIN PROJECT FRESNO TO BAKERSFIELD

HST STRUCTURES INDEX OF SHEETS SHEET 3 OF 8

HSR 06-0003 SB2003 NO SCALE

DRAWING No	DRAWING DESCRIPTION	SHEET No.	PART No.
SV2460	KAWEAH SUBSECTION - ALIGNMENT K4 - CROSS CREEK VIADUCT - KEY MAP	SHEET 1 OF 13	
SV2461	KAWEAH SUBSECTION - ALIGNMENT K4 - CROSS CREEK VIADUCT - PLAN AND ELEVATION	SHEET 2 OF 13	
SV2462	KAWEAH SUBSECTION - ALIGNMENT K4 - CROSS CREEK VIADUCT - PLAN AND ELEVATION	SHEET 3 OF 13	1
SV2463	KAWEAH SUBSECTION - ALIGNMENT K4 - CROSS CREEK VIADUCT - PLAN AND ELEVATION	SHEET 4 OF 13	]
SV2464	KAWEAH SUBSECTION - ALIGNMENT K4 - CROSS CREEK VIADUCT - PLAN AND ELEVATION	SHEET 5 OF 13	
SV2465	KAWEAH SUBSECTION - ALIGNMENT K4 - CROSS CREEK VIADUCT - PLAN AND ELEVATION	SHEET 6 OF 13	1
SV2466	KAWEAH SUBSECTION - ALIGNMENT K4 - CROSS CREEK VIADUCT - PLAN AND ELEVATION	SHEET 7 OF 13	
SV2467	KAWEAH SUBSECTION - ALIGNMENT K4 - CROSS CREEK VIADUCT - PLAN AND ELEVATION	SHEET 8 OF 13	
SV2468	KAWEAH SUBSECTION - ALIGNMENT K4 - CROSS CREEK VIADUCT - PLAN AND ELEVATION	SHEET 9 OF 13	
SV2469	KAWEAH SUBSECTION - ALIGNMENT K4 - CROSS CREEK VIADUCT - PLAN AND ELEVATION	SHEET 10 OF 13	
SV2470	KAWEAH SUBSECTION - ALIGNMENT K4 - CROSS CREEK VIADUCT - PLAN AND ELEVATION	SHEET 11 OF 13	]
SV2471	KAWEAH SUBSECTION - ALIGNMENT K4 - CROSS CREEK VIADUCT - TYPICAL SECTIONS	SHEET 12 OF 13	
SV2472	KAWEAH SUBSECTION - ALIGNMENT K4 - CROSS CREEK VIADUCT - TYPICAL SECTIONS	SHEET 13 OF 13	

# ALIGNMENT K5 - IDAHO AVE UNDERPASS

DRAWING No	DRAWING DESCRIPTION	SHEET No.	PART No.
SV1150	KAWEAH SUBSECTION - ALIGNMENT K5 - IDAHO AVE UNDERPASS - KEY MAP	SHEET 1 OF 2	1
SV1151	KAWEAH SUBSECTION - ALIGNMENT K5 - IDAHO AVE UNDERPASS - PLAN AND ELEVATION	SHEET 2 OF 2	1

# ALIGNMENT K5 - 12TH AVE UNDERPASS

DRAWING No	DRAWING DESCRIPTION	SHEET No.	PART No.
SV1155	KAWEAH SUBSECTION - ALIGNMENT K5 - 12TH AVE UNDERPASS - KEY MAP	SHEET 1 OF 2	1
SV1156	KAWEAH SUBSECTION - ALIGNMENT K5 - 12TH AVE UNDERPASS - PLAN AND ELEVATION	SHEET 2 OF 2	1

# ALIGNMENT K5 - 11TH AVE UNDERPASS

DRAWING No	DRAWING DESCRIPTION	SHEET No.	PART No.
SV1160	KAWEAH SUBSECTION - ALIGNMENT K5 - 11TH AVE UNDERPASS - KEY MAP	SHEET 1 OF 2	1
SV1161	KAWEAH SUBSECTION - ALIGNMENT K5 - 11TH AVE UNDERPASS - PLAN AND ELEVATION	SHEET 2 OF 2	1

# ALIGNMENT K5 - BNSF VIADUCT

DRAWING No	DRAWING DESCRIPTION	SHEET No.	PART No.
SV1050	KAWEAH SUBSECTION - ALIGNMENT K5 - BNSF VIADUCT - KEY MAP	SHEET 1 OF 8	
SV1052	KAWEAH SUBSECTION - ALIGNMENT K5 - BNSF VIADUCT - PLAN AND ELEVATION	SHEET 2 OF 8	
SV1053	KAWEAH SUBSECTION - ALIGNMENT K5 - BNSF VIADUCT - PLAN AND ELEVATION	SHEET 3 OF 8	
SV1054	KAWEAH SUBSECTION - ALIGNMENT K5 - BNSF VIADUCT - PLAN AND ELEVATION	SHEET 4 OF 8	] ,
SV1055	KAWEAH SUBSECTION - ALIGNMENT K5 - BNSF VIADUCT - PLAN AND ELEVATION	SHEET 5 OF 8	1
SV1056	KAWEAH SUBSECTION - ALIGNMENT K5 - BNSF VIADUCT - PLAN AND ELEVATION	SHEET 6 OF 8	
SV1057	KAWEAH SUBSECTION - ALIGNMENT K5 - BNSF VIADUCT - PLAN AND ELEVATION	SHEET 7 OF 8	
SV1058	KAWEAH SUBSECTION - ALIGNMENT K5 - BNSF VIADUCT - TYPICAL SECTIONS	SHEET 8 OF 8	

# ALIGNMENT K5 - CROSS CREEK VIADUCT

DRAWING No	DRAWING DESCRIPTION	SHEET No.	PART No.
SV1070	KAWEAH SUBSECTION - ALIGNMENT K5 - CROSS CREEK VIADUCT - KEY MAP	SHEET 1 OF 14	
SV1071	KAWEAH SUBSECTION - ALIGNMENT K5 - CROSS CREEK VIADUCT - PLAN AND ELEVATION	SHEET 2 OF 14	
SV1072	KAWEAH SUBSECTION - ALIGNMENT K5 - CROSS CREEK VIADUCT - PLAN AND ELEVATION	SHEET 3 OF 14	
SV1073	KAWEAH SUBSECTION - ALIGNMENT K5 - CROSS CREEK VIADUCT - PLAN AND ELEVATION	SHEET 4 OF 14	
SV1074	KAWEAH SUBSECTION - ALIGNMENT K5 - CROSS CREEK VIADUCT - PLAN AND ELEVATION	SHEET 5 OF 14	
SV1075	KAWEAH SUBSECTION - ALIGNMENT K5 - CROSS CREEK VIADUCT - PLAN AND ELEVATION	SHEET 6 OF 14	
SV1076	KAWEAH SUBSECTION - ALIGNMENT K5 - CROSS CREEK VIADUCT - PLAN AND ELEVATION	SHEET 7 OF 14	1
SV1077	KAWEAH SUBSECTION - ALIGNMENT K5 - CROSS CREEK VIADUCT - PLAN AND ELEVATION	SHEET 8 OF 14	
SV1078	KAWEAH SUBSECTION - ALIGNMENT K5 - CROSS CREEK VIADUCT - PLAN AND ELEVATION	SHEET 9 OF 14	
SV1079	KAWEAH SUBSECTION - ALIGNMENT K5 - CROSS CREEK VIADUCT - PLAN AND ELEVATION	SHEET 10 OF 14	
SV1080	KAWEAH SUBSECTION - ALIGNMENT K5 - CROSS CREEK VIADUCT - PLAN AND ELEVATION	SHEET 11 OF 14	
SV1081	KAWEAH SUBSECTION - ALIGNMENT K5 - CROSS CREEK VIADUCT - PLAN AND ELEVATION	SHEET 12 OF 14	]
SV1082	KAWEAH SUBSECTION - ALIGNMENT K5 - CROSS CREEK VIADUCT - TYPICAL SECTIONS	SHEET 13 OF 14	
SV1083	KAWEAH SUBSECTION - ALIGNMENT K5 - CROSS CREEK VIADUCT - TYPICAL SECTIONS	SHEET 14 OF 14	

# ALIGNMENT K6 - IDAHO AVE UNDERPASS

DRAWING No	DRAWING DESCRIPTION	SHEET No.	PART No.
SV1165	KAWEAH SUBSECTION - ALIGNMENT K6 - IDAHO AVE UNDERPASS - KEY MAP	SHEET 1 OF 2	1
SV1166	KAWEAH SUBSECTION - ALIGNMENT K6 - IDAHO AVE UNDERPASS - PLAN AND ELEVATION	SHEET 2 OF 2	1 1

# ALIGNMENT K6 - 12TH AVE UNDERPASS

DRAWING No	DRAWING DESCRIPTION	SHEET No.	PART No.
SV1170	KAWEAH SUBSECTION - ALIGNMENT K6 - 12TH AVE UNDERPASS - KEY MAP	SHEET 1 OF 2	1
SV1171	KAWEAH SUBSECTION - ALIGNMENT K6 - 12TH AVE UNDERPASS - PLAN AND ELEVATION	SHEET 2 OF 2	1

# **ALIGNMENT K6 - KENT AVE UNDERPASS**

DRAWING No	DRAWING DESCRIPTION	SHEET No.	PART No.
SV1175	KAWEAH SUBSECTION - ALIGNMENT K6 - KENT AVE UNDERPASS - KEY MAP	SHEET 1 OF 2	1
SV1176	KAWEAH SUBSECTION - ALIGNMENT K6 - KENT AVE UNDERPASS - PLAN AND ELEVATION	SHEET 2 OF 2	1

# ALIGNMENT K6 - 11TH AVE UNDERPASS

DRAWING No	DRAWING DESCRIPTION	SHEET No.	PART No.
SV1180	KAWEAH SUBSECTION - ALIGNMENT K6 - 11TH AVE UNDERPASS - KEY MAP	SHEET 1 OF 2	1
SV1181	KAWEAH SUBSECTION - ALIGNMENT K6 - 11TH AVE UNDERPASS - PLAN AND ELEVATION	SHEET 2 OF 2	1

# ALIGNMENT K6 - KANSAS AVE UNDERPASS

DRAWING No	DRAWING DESCRIPTION	SHEET No.	PART No.
SV1185	KAWEAH SUBSECTION - ALIGNMENT K6 - KANAS AVE UNDERPASS - KEY MAP	SHEET 1 OF 2	1
SV1186	KAWEAH SUBSECTION - ALIGNMENT K6 - KANAS AVE UNDERPASS - PLAN AND ELEVATION	SHEET 2 OF 2	1

# ALIGNMENT K6 - CROSS CREEK VIADUCT

DRAWING No	DRAWING DESCRIPTION	SHEET No.	PART No.
SV1080	KAWEAH SUBSECTION - ALIGNMENT K6 - CROSS CREEK VIADUCT - KEY MAP	SHEET 1 OF 18	
SV1081	KAWEAH SUBSECTION - ALIGNMENT K6 - CROSS CREEK VIADUCT - PLAN AND ELEVATION	SHEET 2 OF 18	
SV1082	KAWEAH SUBSECTION - ALIGNMENT K6 - CROSS CREEK VIADUCT - PLAN AND ELEVATION	SHEET 3 OF 18	
SV1083	KAWEAH SUBSECTION - ALIGNMENT K6 - CROSS CREEK VIADUCT - PLAN AND ELEVATION	SHEET 4 OF 18	
SV1084	KAWEAH SUBSECTION - ALIGNMENT K6 - CROSS CREEK VIADUCT - PLAN AND ELEVATION	SHEET 5 OF 18	
SV1085	KAWEAH SUBSECTION - ALIGNMENT K6 - CROSS CREEK VIADUCT - PLAN AND ELEVATION	SHEET 6 OF 18	
SV1086	KAWEAH SUBSECTION - ALIGNMENT K6 - CROSS CREEK VIADUCT - PLAN AND ELEVATION	SHEET 7 OF 18	
SV1087	KAWEAH SUBSECTION - ALIGNMENT K6 - CROSS CREEK VIADUCT - PLAN AND ELEVATION	SHEET 8 OF 18	
SV1088	KAWEAH SUBSECTION - ALIGNMENT K6 - CROSS CREEK VIADUCT - PLAN AND ELEVATION	SHEET 9 OF 18	1
SV1089	KAWEAH SUBSECTION - ALIGNMENT K6 - CROSS CREEK VIADUCT - PLAN AND ELEVATION	SHEET 10 OF 18	
SV1090	KAWEAH SUBSECTION - ALIGNMENT K6 - CROSS CREEK VIADUCT - PLAN AND ELEVATION	SHEET 11 OF 18	
SV1091	KAWEAH SUBSECTION - ALIGNMENT K6 - CROSS CREEK VIADUCT - PLAN AND ELEVATION	SHEET 12 OF 18	
SV1092	KAWEAH SUBSECTION - ALIGNMENT K6 - CROSS CREEK VIADUCT - PLAN AND ELEVATION	SHEET 13 OF 18	
SV1093	KAWEAH SUBSECTION - ALIGNMENT K6 - CROSS CREEK VIADUCT - PLAN AND ELEVATION	SHEET 14 OF 18	
SV1094	KAWEAH SUBSECTION - ALIGNMENT K6 - CROSS CREEK VIADUCT - PLAN AND ELEVATION	SHEET 15 OF 18	
SV1095	KAWEAH SUBSECTION - ALIGNMENT K6 - CROSS CREEK VIADUCT - PLAN AND ELEVATION	SHEET 16 OF 18	
SV1096	KAWEAH SUBSECTION - ALIGNMENT K6 - CROSS CREEK VIADUCT - PLAN AND ELEVATION	SHEET 17 OF 18	
SV1097	KAWEAH SUBSECTION - ALIGNMENT K6 - CROSS CREEK VIADUCT - TYPICAL SECTIONS	SHEET 18 OF 18	1

DESIGNED BY M. FISHER DRAWN BY
J. VALENZUELA CHECKED BY
A. ARMSTRONG N CHARGE R. COFFIN 12/31/13 BY CHK APP DESCRIPTION

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### CALIFORNIA HIGH-SPEED TRAIN PROJECT FRESNO TO BAKERSFIELD

HST STRUCTURES INDEX OF SHEETS SHEET 4 OF 8

HSR 06-0003 SB2004 NO SCALE

DRAWING No	DRAWING DESCRIPTION	SHEET No.	PART N
SV1370	CORCORAN SUBSECTION - ALIGNMENT C1 - CORCORAN VIADUCT - KEY MAP	SHEET 1 OF 28	
SV1371	CORCORAN SUBSECTION - ALIGNMENT C1 - CORCORAN VIADUCT - PLAN AND ELEVATION	SHEET 2 OF 28	
SV1372	CORCORAN SUBSECTION - ALIGNMENT C1 - CORCORAN VIADUCT - PLAN AND ELEVATION	SHEET 3 OF 28	
SV1373	CORCORAN SUBSECTION - ALIGNMENT C1 - CORCORAN VIADUCT - PLAN AND ELEVATION	SHEET 4 OF 28	
SV1374	CORCORAN SUBSECTION - ALIGNMENT C1 - CORCORAN VIADUCT - PLAN AND ELEVATION	SHEET 5 OF 28	
SV1375	CORCORAN SUBSECTION - ALIGNMENT C1 - CORCORAN VIADUCT - PLAN AND ELEVATION	SHEET 6 OF 28	
SV1376	CORCORAN SUBSECTION - ALIGNMENT C1 - CORCORAN VIADUCT - PLAN AND ELEVATION	SHEET 7 OF 28	
SV1377	CORCORAN SUBSECTION - ALIGNMENT C1 - CORCORAN VIADUCT - PLAN AND ELEVATION	SHEET 8 OF 28	
SV1378	CORCORAN SUBSECTION - ALIGNMENT C1 - CORCORAN VIADUCT - PLAN AND ELEVATION	SHEET 9 OF 28	
SV1379	CORCORAN SUBSECTION - ALIGNMENT C1 - CORCORAN VIADUCT - PLAN AND ELEVATION	SHEET 10 OF 28	
SV1380	CORCORAN SUBSECTION - ALIGNMENT C1 - CORCORAN VIADUCT - PLAN AND ELEVATION	SHEET 11 OF 28	
SV1381	CORCORAN SUBSECTION - ALIGNMENT C1 - CORCORAN VIADUCT - PLAN AND ELEVATION	SHEET 12 OF 28	
SV1382	CORCORAN SUBSECTION - ALIGNMENT C1 - CORCORAN VIADUCT - PLAN AND ELEVATION	SHEET 13 OF 28	
SV1383	CORCORAN SUBSECTION - ALIGNMENT C1 - CORCORAN VIADUCT - PLAN AND ELEVATION	SHEET 14 OF 28	
SV1384	CORCORAN SUBSECTION - ALIGNMENT C1 - CORCORAN VIADUCT - PLAN AND ELEVATION	SHEET 15 OF 28	
SV1385	CORCORAN SUBSECTION - ALIGNMENT C1 - CORCORAN VIADUCT - PLAN AND ELEVATION	SHEET 16 OF 28	2
SV1386	CORCORAN SUBSECTION - ALIGNMENT C1 - CORCORAN VIADUCT - PLAN AND ELEVATION	SHEET 17 OF 28	
SV1387	CORCORAN SUBSECTION - ALIGNMENT C1 - CORCORAN VIADUCT - PLAN AND ELEVATION	SHEET 18 OF 28	
SV1388	CORCORAN SUBSECTION - ALIGNMENT C1 - CORCORAN VIADUCT - PLAN AND ELEVATION	SHEET 19 OF 28	
SV1389	CORCORAN SUBSECTION - ALIGNMENT C1 - CORCORAN VIADUCT - PLAN AND ELEVATION	SHEET 20 OF 28	
SV1390	CORCORAN SUBSECTION - ALIGNMENT C1 - CORCORAN VIADUCT - PLAN AND ELEVATION	SHEET 21 OF 28	
SV1391	CORCORAN SUBSECTION - ALIGNMENT C1 - CORCORAN VIADUCT - PLAN AND ELEVATION	SHEET 22 OF 28	
SV1392	CORCORAN SUBSECTION - ALIGNMENT C1 - CORCORAN VIADUCT - PLAN AND ELEVATION	SHEET 23 OF 28	
SV1393	CORCORAN SUBSECTION - ALIGNMENT C1 - CORCORAN VIADUCT - PLAN AND ELEVATION	SHEET 24 OF 28	
SV1394	CORCORAN SUBSECTION - ALIGNMENT C1 - CORCORAN VIADUCT - PLAN AND ELEVATION	SHEET 25 OF 28	
SV1395	CORCORAN SUBSECTION - ALIGNMENT C1 - CORCORAN VIADUCT - TYPICAL SECTIONS	SHEET 26 OF 28	
SV1396	CORCORAN SUBSECTION - ALIGNMENT C1 - CORCORAN VIADUCT - TYPICAL SECTIONS	SHEET 27 OF 28	
SV1397	CORCORAN SUBSECTION - ALIGNMENT C1 - CORCORAN VIADUCT - TYPICAL SECTIONS	SHEET 28 OF 28	

# ALIGNMENT C1 - TULE RIVER BRIDGE

Γ	DRAWING No	DRAWING DESCRIPTION	SHEET No.	PART No.
Г	SV2350	CORCORAN SUBSECTION - ALIGNMENT C1 - TULE RIVER BRIDGE - KEY MAP	SHEET 1 OF 2	, ]
	SV2355	CORCORAN SUBSECTION - ALIGNMENT C1 - TULE RIVER BRIDGE - PLAN AND ELEVATION	SHEET 2 OF 2	

# ALIGNMENT C2 - WHITLEY AVENUE UNDERPASS

DRAWING No	DRAWING DESCRIPTION	SHEET No.	PART No.
SV2445	CORCORAN BYPASS SUBSECTION - ALIGNMENT C2 - WHITLEY AVENUE/SR137 UNDERPASS - KEY MAP	SHEET 1 OF 2	,
SV2446	CORCORAN BYPASS SUBSECTION - ALIGNMENT C2 - WHITLEY AVENUE/SR137 UNDERPASS - PLAN AND ELEVATION	SHEET 2 OF 2	2

# ALIGNMENT C2 - STATE ROUTE 43 BNSF VIADUCT

DRAWING No	DRAWING DESCRIPTION	SHEET No.	PART No.
SV2490	CORCORAN BYPASS SUBSECTION - ALIGNMENT C2 - STATE ROUTE 43 BNSF VIADUCT - KEY MAP	SHEET 1 OF 11	
SV2491	CORCORAN BYPASS SUBSECTION - ALIGNMENT C2 - STATE ROUTE 43 BNSF VIADUCT - PLAN AND ELEVATION	SHEET 2 OF 11	
SV2492	CORCORAN BYPASS SUBSECTION - ALIGNMENT C2 - STATE ROUTE 43 BNSF VIADUCT - PLAN AND ELEVATION	SHEET 3 OF 11	
SV2493	CORCORAN BYPASS SUBSECTION - ALIGNMENT C2 - STATE ROUTE 43 BNSF VIADUCT - PLAN AND ELEVATION	SHEET 4 OF 11	
SV2494	CORCORAN BYPASS SUBSECTION - ALIGNMENT C2 - STATE ROUTE 43 BNSF VIADUCT - PLAN AND ELEVATION	SHEET 5 OF 11	
SV2495	CORCORAN BYPASS SUBSECTION - ALIGNMENT C2 - STATE ROUTE 43 BNSF VIADUCT - PLAN AND ELEVATION	SHEET 6 OF 11	2
SV2496	CORCORAN BYPASS SUBSECTION - ALIGNMENT C2 - STATE ROUTE 43 BNSF VIADUCT - PLAN AND ELEVATION	SHEET 7 OF 11	
SV2497	CORCORAN BYPASS SUBSECTION - ALIGNMENT C2 - STATE ROUTE 43 BNSF VIADUCT - PLAN AND ELEVATION	SHEET 8 OF 11	
SV2499	CORCORAN BYPASS SUBSECTION - ALIGNMENT C2 - STATE ROUTE 43 BNSF VIADUCT - TYPICAL SECTIONS	SHEET 9 OF 11	
SV2500	CORCORAN BYPASS SUBSECTION - ALIGNMENT C2 - STATE ROUTE 43 BNSF VIADUCT - TYPICAL SECTIONS	SHEET 10 OF 11	
SV2501	CORCORAN BYPASS SUBSECTION - ALIGNMENT C2 - STATE ROUTE 43 BNSF VIADUCT - TYPICAL SECTIONS	SHEET 11 OF 11	

# ALIGNMENT C3 - BOSWELL SPUR VIADUCT

DRAWING No	DRAWING DESCRIPTION	SHEET No.	PART No.
SV2580	CORCORAN SUBSECTION - ALIGNMENT C3 - BOSWELL SPUR VIADUCT - KEY MAP	SHEET 1 OF 11	,
SV2581	CORCORAN SUBSECTION - ALIGNMENT C3 - BOSWELL SPUR VIADUCT - PLAN AND ELEVATION	SHEET 2 OF 11	] ′
SV2582	CORCORAN SUBSECTION - ALIGNMENT C3 - BOSWELL SPUR VIADUCT - PLAN AND ELEVATION	SHEET 3 OF 11	

# ALIGNMENT C3 - BOSWELL SPUR VIADUCT CONT'D.

DRAWING No	DRAWING DESCRIPTION	SHEET No.	PART No.
SV2583	CORCORAN SUBSECTION - ALIGNMENT C3 - BOSWELL SPUR VIADUCT - PLAN AND ELEVATION	SHEET 4 OF 11	
SV2584	CORCORAN SUBSECTION - ALIGNMENT C3 - BOSWELL SPUR VIADUCT - PLAN AND ELEVATION	SHEET 5 OF 11	
SV2585	CORCORAN SUBSECTION - ALIGNMENT C3 - BOSWELL SPUR VIADUCT - PLAN AND ELEVATION	SHEET 6 OF 11	
SV2586	CORCORAN SUBSECTION - ALIGNMENT C3 - BOSWELL SPUR VIADUCT - PLAN AND ELEVATION	SHEET 7 OF 11	] ,
SV2587	CORCORAN SUBSECTION - ALIGNMENT C3 - BOSWELL SPUR VIADUCT - PLAN AND ELEVATION	SHEET 8 OF 11	]
SV2588	CORCORAN SUBSECTION - ALIGNMENT C3 - BOSWELL SPUR VIADUCT - PLAN AND ELEVATION	SHEET 9 OF 11	
SV2589	CORCORAN SUBSECTION - ALIGNMENT C3 - BOSWELL SPUR VIADUCT - PLAN AND ELEVATION	SHEET 10 OF 11	
SV2590	CORCORAN SUBSECTION - ALIGNMENT C3 - BOSWELL SPUR VIADUCT - TYPICAL SECTIONS	SHEET 11 OF 11	]

# ALIGNMENT C3 - SWEET CANAL BRIDGE

DRAWING No	DRAWING DESCRIPTION	SHEET No.	PART No.
SV2595	CORCORAN SUBSECTION - ALIGNMENT C3 - SWEET CANAL BRIDGE - KEY MAP	SHEET 1 OF 2	,
SV2596	CORCORAN SUBSECTION - ALIGNMENT C3 - SWEET CANAL BRIDGE - PLAN AND ELEVATION	SHEET 2 OF 2	

# ALIGNMENT C3 - TULE RIVER BRIDGE

DRAWING No	DRAWING DESCRIPTION	SHEET No.	PART No.
SV2598	CORCORAN SUBSECTION - ALIGNMENT C3 - TULE RIVER BRIDGE - KEY MAP	SHEET 1 OF 2	2
SV2599	CORCORAN SUBSECTION - ALIGNMENT C3 - TULE RIVER BRIDGE - PLAN AND ELEVATION	SHEET 2 OF 2	2

#### ALIGNMENT A1 - DEER CREEK VIADUCT

DRAWING No	DRAWING DESCRIPTION	SHEET No.	PART No.
SV1500	ALLENSWORTH BYPASS SUBSECTION - ALIGNMENT A1 - DEER CREEK VIADUCT - KEY MAP	SHEET 1 OF 9	
SV1501	ALLENSWORTH BYPASS SUBSECTION - ALIGNMENT A1 - DEER CREEK VIADUCT - PLAN AND ELEVATION	SHEET 2 OF 9	
SV1502	ALLENSWORTH BYPASS SUBSECTION - ALIGNMENT A1 - DEER CREEK VIADUCT - PLAN AND ELEVATION	SHEET 3 OF 9	
SV1503	ALLENSWORTH BYPASS SUBSECTION - ALIGNMENT A1 - DEER CREEK VIADUCT - PLAN AND ELEVATION	SHEET 4 OF 9	,
SV1504	ALLENSWORTH BYPASS SUBSECTION - ALIGNMENT A1 - DEER CREEK VIADUCT - PLAN AND ELEVATION	SHEET 5 OF 9	] 4
SV1505	ALLENSWORTH BYPASS SUBSECTION - ALIGNMENT A1 - DEER CREEK VIADUCT - PLAN AND ELEVATION	SHEET 6 OF 9	
SV1506	ALLENSWORTH BYPASS SUBSECTION - ALIGNMENT A1 - DEER CREEK VIADUCT - PLAN AND ELEVATION	SHEET 7 OF 9	
SV1507	ALLENSWORTH BYPASS SUBSECTION - ALIGNMENT A1 - DEER CREEK VIADUCT - PLAN AND ELEVATION	SHEET 8 OF 9	
SV1508	ALLENSWORTH BYPASS SUBSECTION - ALIGNMENT A1 - DEER CREEK VIADUCT - TYPICAL SECTIONS	SHEET 9 OF 9	

# ALIGNMENT A2 - DEER CREEK VIADUCT

DRAWING No	DRAWING DESCRIPTION	SHEET No.	PART No.
SV1530	THROUGH ALLENSWORTH SUBSECTION - ALIGNMENT A2 - DEER CREEK VIADUCT - KEY MAP	SHEET 1 OF 10	
SV1531	THROUGH ALLENSWORTH SUBSECTION - ALIGNMENT A2 - DEER CREEK VIADUCT - PLAN AND ELEVATION	SHEET 2 OF 10	
SV1532	THROUGH ALLENSWORTH SUBSECTION - ALIGNMENT A2 - DEER CREEK VIADUCT - PLAN AND ELEVATION	SHEET 3 OF 10	
SV1533	THROUGH ALLENSWORTH SUBSECTION - ALIGNMENT A2 - DEER CREEK VIADUCT - PLAN AND ELEVATION	SHEET 4 OF 10	
SV1534	THROUGH ALLENSWORTH SUBSECTION - ALIGNMENT A2 - DEER CREEK VIADUCT - PLAN AND ELEVATION	SHEET 5 OF 10	2
SV1535	THROUGH ALLENSWORTH SUBSECTION - ALIGNMENT A2 - DEER CREEK VIADUCT - PLAN AND ELEVATION	SHEET 6 OF 10	
SV1536	THROUGH ALLENSWORTH SUBSECTION - ALIGNMENT A2 - DEER CREEK VIADUCT - PLAN AND ELEVATION	SHEET 7 OF 10	
SV1537	THROUGH ALLENSWORTH SUBSECTION - ALIGNMENT A2 - DEER CREEK VIADUCT - PLAN AND ELEVATION	SHEET 8 OF 10	
SV1538	THROUGH ALLENSWORTH SUBSECTION - ALIGNMENT A2 - DEER CREEK VIADUCT - PLAN AND ELEVATION	SHEET 9 OF 10	1
SV1539	THROUGH ALLENSWORTH SUBSECTION - ALIGNMENT A2 - DEER CREEK VIADUCT - TYPICAL SECTIONS	SHEET 10 OF 10	]

# ALIGNMENT A2 - NORTH COUNTY LINE CREEK BRIDGE

DRAWING No	DRAWING DESCRIPTION	SHEET No.	PART No.
SV1560	THROUGH ALLENSWORTH SUBSECTION - ALIGNMENT A2 - NORTH COUNTY LINE CREEK BRIDGE - KEY MAP	SHEET 1 OF 2	,
SV1561	THROUGH ALLENSWORTH SUBSECTION - ALIGNMENT A2 - NORTH COUNTY LINE CREEK BRIDGE - PLAN AND ELEVATION	SHEET 2 OF 2	

# ALIGNMENT A2 - SOUTH COUNTY LINE CREEK BRIDGE

DRAWING No	DRAWING DESCRIPTION	SHEET No.	PART No.
SV1562	THROUGH ALLENSWORTH SUBSECTION - ALIGNMENT A2 - SOUTH COUNTY LINE CREEK BRIDGE - KEY MAP	SHEET 1 OF 2	
SV1563	THROUGH ALLENSWORTH SUBSECTION - ALIGNMENT A2 - SOUTH COUNTY LINE CREEK BRIDGE - PLAN AND ELEVATION	SHEET 2 OF 2	

						DESIGNED BY M. FISHER
						DRAWN BY J. VALENZUELA
						CHECKED BY A. ARMSTRONG
						IN CHARGE
						R. COFFIN
REV	DATE	ВΥ	СНК	APP	DESCRIPTION	DATE 12/31/13

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### CALIFORNIA HIGH-SPEED TRAIN PROJECT FRESNO TO BAKERSFIELD

HST STRUCTURES INDEX OF SHEETS SHEET 5 OF 8

CONTRACT NO. HSR 06-0003
drawing no. SB2005
SCALE NO SCALE
SHEET NO. 7 OF 12

# ALIGNMENT L2 - POSO CREEK VIADUCT

DRAWING No	DRAWING DESCRIPTION	SHEET No.	PART No.
SV1620	POSO CREEK SUBSECTION - ALIGNMENT L2 - POSO CREEK VIADUCT - KEY MAP	SHEET 1 OF 12	
SV1622	POSO CREEK SUBSECTION - ALIGNMENT L2 - POSO CREEK VIADUCT - PLAN AND ELEVATION	SHEET 2 OF 12	
SV1623	POSO CREEK SUBSECTION - ALIGNMENT L2 - POSO CREEK VIADUCT - PLAN AND ELEVATION	SHEET 3 OF 12	
SV1624	POSO CREEK SUBSECTION - ALIGNMENT L2 - POSO CREEK VIADUCT - PLAN AND ELEVATION	SHEET 4 OF 12	
SV1625	POSO CREEK SUBSECTION - ALIGNMENT L2 - POSO CREEK VIADUCT - PLAN AND ELEVATION	SHEET 5 OF 12	
SV1626	POSO CREEK SUBSECTION - ALIGNMENT L2 - POSO CREEK VIADUCT - PLAN AND ELEVATION	SHEET 6 OF 12	
SV1627	POSO CREEK SUBSECTION - ALIGNMENT L2 - POSO CREEK VIADUCT - PLAN AND ELEVATION	SHEET 7 OF 12	2
SV1628	POSO CREEK SUBSECTION - ALIGNMENT L2 - POSO CREEK VIADUCT - PLAN AND ELEVATION	SHEET 8 OF 12	
SV1629	POSO CREEK SUBSECTION - ALIGNMENT L2 - POSO CREEK VIADUCT - PLAN AND ELEVATION	SHEET 9 OF 12	
SV1630	POSO CREEK SUBSECTION - ALIGNMENT L2 - POSO CREEK VIADUCT - TYPICAL SECTIONS	SHEET 10 OF 12	
SV1631	POSO CREEK SUBSECTION - ALIGNMENT L2 - POSO CREEK VIADUCT - TYPICAL SECTIONS	SHEET 11 OF 12	
SV1632	POSO CREEK SUBSECTION - ALIGNMENT L2 - POSO CREEK VIADUCT - TYPICAL SECTIONS	SHEET 12 OF 12	

# ALIGNMENT L2 - WHISLER ROAD UNDERPASS

Γ	DRAWING No	DRAWING DESCRIPTION	SHEET No.	PART No.
Г	SV1635	POSO CREEK SUBSECTION - ALIGNMENT L2 - WHISLER ROAD UNDERPASS - KEY MAP	SHEET 1 OF 2	2
	SV1636	POSO CREEK SUBSECTION - ALIGNMENT L2 - WHISLER ROAD UNDERPASS - PLAN AND ELEVATION	SHEET 2 OF 2	2

# ALIGNMENT L3 - POSO CREEK BRIDGE

DRAWING No	DRAWING DESCRIPTION	SHEET No.	PART No.
SV1640	POSO CREEK SUBSECTION - ALIGNMENT L3 - POSO CREEK BRIDGE - KEY MAP	SHEET 1 OF 2	2
SV1641	POSO CREEK SUBSECTION - ALIGNMENT L3 - POSO CREEK BRIDGE - PLAN AND ELEVATION	SHEET 2 OF 2	

# ALIGNMENT L4 - POSO CREEK BRIDGE

DRAWI	ING No	DRAWING DESCRIPTION	SHEET No.	PART No.
SV167	75	POSO CREEK SUBSECTION - ALIGNMENT L4 - POSO CREEK BRIDGE - KEY MAP	SHEET 1 OF 2	,
SV167	76	POSO CREEK SUBSECTION - ALIGNMENT L4 - POSO CREEK BRIDGE - PLAN AND ELEVATION	SHEET 2 OF 2	

# **ALIGNMENT L4 - BNSF VIADUCT**

DRAWING DESCRIPTION	SHEET No.	PART No.
POSO CREEK SUBSECTION - ALIGNMENT L4 - BNSF VIADUCT - KEY MAP	SHEET 1 OF 12	
POSO CREEK SUBSECTION - ALIGNMENT L4 - BNSF VIADUCT - PLAN AND ELEVATION	SHEET 2 OF 12	
POSO CREEK SUBSECTION - ALIGNMENT L4 - BNSF VIADUCT - PLAN AND ELEVATION	SHEET 3 OF 12	
POSO CREEK SUBSECTION - ALIGNMENT L4 - BNSF VIADUCT - PLAN AND ELEVATION	SHEET 4 OF 12	
POSO CREEK SUBSECTION - ALIGNMENT L4 - BNSF VIADUCT - PLAN AND ELEVATION	SHEET 5 OF 12	
POSO CREEK SUBSECTION - ALIGNMENT L4 - BNSF VIADUCT - PLAN AND ELEVATION	SHEET 6 OF 12	2
POSO CREEK SUBSECTION - ALIGNMENT L4 - BNSF VIADUCT - PLAN AND ELEVATION	SHEET 7 OF 12	
POSO CREEK SUBSECTION - ALIGNMENT L4 - BNSF VIADUCT - PLAN AND ELEVATION	SHEET 8 OF 12	
POSO CREEK SUBSECTION - ALIGNMENT L4 - BNSF VIADUCT - PLAN AND ELEVATION	SHEET 9 OF 12	
POSO CREEK SUBSECTION - ALIGNMENT L4 - BNSF VIADUCT - TYPICAL SECTIONS	SHEET 10 OF 12	
POSO CREEK SUBSECTION - ALIGNMENT L4 - BNSF VIADUCT - TYPICAL SECTIONS	SHEET 11 OF 12	
POSO CREEK SUBSECTION - ALIGNMENT L4 - BNSF VIADUCT - TYPICAL SECTIONS	SHEET 12 OF 12	
	POSO CREEK SUBSECTION - ALIGNMENT L4 - BNSF VIADUCT - PLAN AND ELEVATION  POSO CREEK SUBSECTION - ALIGNMENT L4 - BNSF VIADUCT - PLAN AND ELEVATION  POSO CREEK SUBSECTION - ALIGNMENT L4 - BNSF VIADUCT - PLAN AND ELEVATION  POSO CREEK SUBSECTION - ALIGNMENT L4 - BNSF VIADUCT - PLAN AND ELEVATION  POSO CREEK SUBSECTION - ALIGNMENT L4 - BNSF VIADUCT - PLAN AND ELEVATION  POSO CREEK SUBSECTION - ALIGNMENT L4 - BNSF VIADUCT - PLAN AND ELEVATION  POSO CREEK SUBSECTION - ALIGNMENT L4 - BNSF VIADUCT - PLAN AND ELEVATION  POSO CREEK SUBSECTION - ALIGNMENT L4 - BNSF VIADUCT - PLAN AND ELEVATION  POSO CREEK SUBSECTION - ALIGNMENT L4 - BNSF VIADUCT - TYPICAL SECTIONS  POSO CREEK SUBSECTION - ALIGNMENT L4 - BNSF VIADUCT - TYPICAL SECTIONS  POSO CREEK SUBSECTION - ALIGNMENT L4 - BNSF VIADUCT - TYPICAL SECTIONS	POSO CREEK SUBSECTION - ALIGNMENT L4 - BNSF VIADUCT - KEY MAP  POSO CREEK SUBSECTION - ALIGNMENT L4 - BNSF VIADUCT - PLAN AND ELEVATION  SHEET 2 OF 12  POSO CREEK SUBSECTION - ALIGNMENT L4 - BNSF VIADUCT - PLAN AND ELEVATION  SHEET 3 OF 12  POSO CREEK SUBSECTION - ALIGNMENT L4 - BNSF VIADUCT - PLAN AND ELEVATION  SHEET 4 OF 12  POSO CREEK SUBSECTION - ALIGNMENT L4 - BNSF VIADUCT - PLAN AND ELEVATION  SHEET 5 OF 12  POSO CREEK SUBSECTION - ALIGNMENT L4 - BNSF VIADUCT - PLAN AND ELEVATION  SHEET 6 OF 12  POSO CREEK SUBSECTION - ALIGNMENT L4 - BNSF VIADUCT - PLAN AND ELEVATION  SHEET 7 OF 12  POSO CREEK SUBSECTION - ALIGNMENT L4 - BNSF VIADUCT - PLAN AND ELEVATION  SHEET 8 OF 12  POSO CREEK SUBSECTION - ALIGNMENT L4 - BNSF VIADUCT - PLAN AND ELEVATION  SHEET 9 OF 12  POSO CREEK SUBSECTION - ALIGNMENT L4 - BNSF VIADUCT - PLAN AND ELEVATION  SHEET 10 OF 12  POSO CREEK SUBSECTION - ALIGNMENT L4 - BNSF VIADUCT - TYPICAL SECTIONS  SHEET 10 OF 12  POSO CREEK SUBSECTION - ALIGNMENT L4 - BNSF VIADUCT - TYPICAL SECTIONS  SHEET 11 OF 12

# ALIGNMENT WS1 - STATE ROUTE 46 UNDERPASS

DRAWING No	DRAWING DESCRIPTION	SHEET No.	PART No.
SV1698	THROUGH WASCO-SHAFTER SUBSECTION - ALIGNMENT WS1 - STATE ROUTE 46 UNDERPASS - KEY MAP	SHEET 1 OF 2	,
SV1699	THROUGH WASCO-SHAFTER SUBSECTION - ALIGNMENT WS1 - STATE ROUTE 46 UNDERPASS - PLAN AND ELEVATION	SHEET 2 OF 2	

# **ALIGNMENT WS1 - WASCO VIADUCT**

DRAWING No	DRAWING DESCRIPTION	SHEET No.	PART No.
SV1700	THROUGH WASCO-SHAFTER SUBSECTION - ALIGNMENT WS1 - WASCO VIADUCT - KEY MAP	SHEET 1 OF 15	
SV1703	THROUGH WASCO-SHAFTER SUBSECTION - ALIGNMENT WS1 - WASCO VIADUCT - PLAN AND ELEVATION	SHEET 2 OF 15	
SV1704	THROUGH WASCO-SHAFTER SUBSECTION - ALIGNMENT WS1 - WASCO VIADUCT - PLAN AND ELEVATION	SHEET 3 OF 15	
SV1705	THROUGH WASCO-SHAFTER SUBSECTION - ALIGNMENT WS1 - WASCO VIADUCT - PLAN AND ELEVATION	SHEET 4 OF 15	
SV1706	THROUGH WASCO-SHAFTER SUBSECTION - ALIGNMENT WS1 - WASCO VIADUCT - PLAN AND ELEVATION	SHEET 5 OF 15	
SV1707	THROUGH WASCO-SHAFTER SUBSECTION - ALIGNMENT WS1 - WASCO VIADUCT - PLAN AND ELEVATION	SHEET 6 OF 15	
SV1708	THROUGH WASCO-SHAFTER SUBSECTION - ALIGNMENT WS1 - WASCO VIADUCT - PLAN AND ELEVATION	SHEET 7 OF 15	,
SV1709	THROUGH WASCO-SHAFTER SUBSECTION - ALIGNMENT WS1 - WASCO VIADUCT - PLAN AND ELEVATION	SHEET 8 OF 15	
SV1710	THROUGH WASCO-SHAFTER SUBSECTION - ALIGNMENT WS1 - WASCO VIADUCT - PLAN AND ELEVATION	SHEET 9 OF 15	
SV1711	THROUGH WASCO-SHAFTER SUBSECTION - ALIGNMENT WS1 - WASCO VIADUCT - PLAN AND ELEVATION	SHEET 10 OF 15	
SV1712	THROUGH WASCO-SHAFTER SUBSECTION - ALIGNMENT WS1 - WASCO VIADUCT - PLAN AND ELEVATION	SHEET 11 OF 15	
SV1713	THROUGH WASCO-SHAFTER SUBSECTION - ALIGNMENT WS1 - WASCO VIADUCT - PLAN AND ELEVATION	SHEET 12 OF 15	
SV1714	THROUGH WASCO-SHAFTER SUBSECTION - ALIGNMENT WS1 - WASCO VIADUCT - PLAN AND ELEVATION	SHEET 13 OF 15	
SV1715	THROUGH WASCO-SHAFTER SUBSECTION - ALIGNMENT WS1 - WASCO VIADUCT - PLAN AND ELEVATION	SHEET 14 OF 15	
SV1716	THROUGH WASCO-SHAFTER SUBSECTION - ALIGNMENT WS1 - WASCO VIADUCT - TYPICAL SECTIONS	SHEET 15 OF 15	

# ALIGNMENT WS1 - KIMBERLINA ROAD UNDERPASS

DRAWING No	DRAWING DESCRIPTION	SHEET No.	PART No.
SV1720	THROUGH WASCO-SHAFTER SUBSECTION - ALIGNMENT WS1 - KIMBERLINA ROAD UNDERPASS - KEY MAP	SHEET 1 OF 3	
SV1721	THROUGH WASCO-SHAFTER SUBSECTION - ALIGNMENT WS1 - KIMBERLINA ROAD UNDERPASS - PLAN AND ELEVATION	SHEET 2 OF 3	2
SV1722	THROUGH WASCO-SHAFTER SUBSECTION - ALIGNMENT WS1 - KIMBERLINA ROAD BNSF UNDERPASS - PLAN AND ELEVATION	SHEET 3 OF 3	

# ALIGNMENT WS1 - SHAFTER VIADUCT

DRAWING No	DRAWING DESCRIPTION	SHEET No.	PART No.
SV1750	THROUGH WASCO-SHAFTER SUBSECTION - ALIGNMENT WS1 - SHAFTER VIADUCT - KEY MAP	SHEET 1 OF 20	
SV1756	THROUGH WASCO-SHAFTER SUBSECTION - ALIGNMENT WS1 - SHAFTER VIADUCT - PLAN AND ELEVATION	SHEET 2 OF 20	
SV1757	THROUGH WASCO-SHAFTER SUBSECTION - ALIGNMENT WS1 - SHAFTER VIADUCT - PLAN AND ELEVATION	SHEET 3 OF 20	
SV1758	THROUGH WASCO-SHAFTER SUBSECTION - ALIGNMENT WS1 - SHAFTER VIADUCT - PLAN AND ELEVATION	SHEET 4 OF 20	
SV1759	THROUGH WASCO-SHAFTER SUBSECTION - ALIGNMENT WS1 - SHAFTER VIADUCT - PLAN AND ELEVATION	SHEET 5 OF 20	1
SV1760	THROUGH WASCO-SHAFTER SUBSECTION - ALIGNMENT WS1 - SHAFTER VIADUCT - PLAN AND ELEVATION	SHEET 6 OF 20	
SV1761	THROUGH WASCO-SHAFTER SUBSECTION - ALIGNMENT WS1 - SHAFTER VIADUCT - PLAN AND ELEVATION	SHEET 7 OF 20	
SV1762	THROUGH WASCO-SHAFTER SUBSECTION - ALIGNMENT WS1 - SHAFTER VIADUCT - PLAN AND ELEVATION	SHEET 8 OF 20	
SV1763	THROUGH WASCO-SHAFTER SUBSECTION - ALIGNMENT WS1 - SHAFTER VIADUCT - PLAN AND ELEVATION	SHEET 9 OF 20	
SV1764	THROUGH WASCO-SHAFTER SUBSECTION - ALIGNMENT WS1 - SHAFTER VIADUCT - PLAN AND ELEVATION	SHEET 10 OF 20	,
SV1765	THROUGH WASCO-SHAFTER SUBSECTION - ALIGNMENT WS1 - SHAFTER VIADUCT - PLAN AND ELEVATION	SHEET 11 OF 20	] ′
SV1766	THROUGH WASCO-SHAFTER SUBSECTION - ALIGNMENT WS1 - SHAFTER VIADUCT - PLAN AND ELEVATION	SHEET 12 OF 20	
SV1767	THROUGH WASCO-SHAFTER SUBSECTION - ALIGNMENT WS1 - SHAFTER VIADUCT - PLAN AND ELEVATION	SHEET 13 OF 20	
SV1768	THROUGH WASCO-SHAFTER SUBSECTION - ALIGNMENT WS1 - SHAFTER VIADUCT - PLAN AND ELEVATION	SHEET 14 OF 20	
SV1769	THROUGH WASCO-SHAFTER SUBSECTION - ALIGNMENT WS1 - SHAFTER VIADUCT - PLAN AND ELEVATION	SHEET 15 OF 20	
SV1770	THROUGH WASCO-SHAFTER SUBSECTION - ALIGNMENT WS1 - SHAFTER VIADUCT - PLAN AND ELEVATION	SHEET 16 OF 20	
SV1771	THROUGH WASCO-SHAFTER SUBSECTION - ALIGNMENT WS1 - SHAFTER VIADUCT - PLAN AND ELEVATION	SHEET 17 OF 20	1
SV1772	THROUGH WASCO-SHAFTER SUBSECTION - ALIGNMENT WS1 - SHAFTER VIADUCT - PLAN AND ELEVATION	SHEET 18 OF 20	1
SV1773	THROUGH WASCO-SHAFTER SUBSECTION - ALIGNMENT WS1 - SHAFTER VIADUCT - TYPICAL SECTIONS	SHEET 19 OF 20	1
SV1774	THROUGH WASCO-SHAFTER SUBSECTION - ALIGNMENT WS1 - SHAFTER VIADUCT - TYPICAL SECTIONS	SHEET 20 OF 20	1

# ALIGNMENT WS2 - WASCO VIADUCT

DRAWING No	DRAWING DESCRIPTION	SHEET No.	PART No.
SV1870	WASCO-SHAFTER BYPASS SUBSECTION - ALIGNMENT WS2 - WASCO VIADUCT - KEY MAP	SHEET 1 OF 15	
SV1873	WASCO-SHAFTER BYPASS SUBSECTION - ALIGNMENT WS2 - WASCO VIADUCT - PLAN AND ELEVATION	SHEET 2 OF 15	
SV1874	WASCO-SHAFTER BYPASS SUBSECTION - ALIGNMENT WS2 - WASCO VIADUCT - PLAN AND ELEVATION	SHEET 3 OF 15	
SV1875	WASCO-SHAFTER BYPASS SUBSECTION - ALIGNMENT WS2 - WASCO VIADUCT - PLAN AND ELEVATION	SHEET 4 OF 15	
SV1876	WASCO-SHAFTER BYPASS SUBSECTION - ALIGNMENT WS2 - WASCO VIADUCT - PLAN AND ELEVATION	SHEET 5 OF 15	
SV1877	WASCO-SHAFTER BYPASS SUBSECTION - ALIGNMENT WS2 - WASCO VIADUCT - PLAN AND ELEVATION	SHEET 6 OF 15	
SV1878	WASCO-SHAFTER BYPASS SUBSECTION - ALIGNMENT WS2 - WASCO VIADUCT - PLAN AND ELEVATION	SHEET 7 OF 15	,
SV1879	WASCO-SHAFTER BYPASS SUBSECTION - ALIGNMENT WS2 - WASCO VIADUCT - PLAN AND ELEVATION	SHEET 8 OF 15	
SV1880	WASCO-SHAFTER BYPASS SUBSECTION - ALIGNMENT WS2 - WASCO VIADUCT - PLAN AND ELEVATION	SHEET 9 OF 15	
SV1881	WASCO-SHAFTER BYPASS SUBSECTION - ALIGNMENT WS2 - WASCO VIADUCT - PLAN AND ELEVATION	SHEET 10 OF 15	
SV1882	WASCO-SHAFTER BYPASS SUBSECTION - ALIGNMENT WS2 - WASCO VIADUCT - PLAN AND ELEVATION	SHEET 11 OF 15	
SV1883	WASCO-SHAFTER BYPASS SUBSECTION - ALIGNMENT WS2 - WASCO VIADUCT - PLAN AND ELEVATION	SHEET 12 OF 15	
SV1884	WASCO-SHAFTER BYPASS SUBSECTION - ALIGNMENT WS2 - WASCO VIADUCT - TYPICAL SECTIONS	SHEET 13 OF 15	
SV1885	WASCO-SHAFTER BYPASS SUBSECTION - ALIGNMENT WS2 - WASCO VIADUCT - TYPICAL SECTIONS	SHEET 14 OF 15	
SV1886	WASCO-SHAFTER BYPASS SUBSECTION - ALIGNMENT WS2 - WASCO VIADUCT - TYPICAL SECTIONS	SHEET 15 OF 15	

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2							DESIGNED BY M. FISHER
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Ď							IN CHARGE R. COFFIN
	REV	DATE	BY	СНК	APP	DESCRIPTION	DATE 12/31/13

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### CALIFORNIA HIGH-SPEED TRAIN PROJECT FRESNO TO BAKERSFIELD

HST STRUCTURES INDEX OF SHEETS SHEET 6 OF 8

HSR 06-0003 SB2006 NO SCALE

# ALIGNMENT B1 - HAGEMAN ROAD UNDERPASS

DRAWING No	DRAWING DESCRIPTION	SHEET No.	PART No.
SV1810	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B1 - HAGEMAN ROAD UNDERPASS - KEY MAP	SHEET 1 OF 2	,
SV1811	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B1 - HAGEMAN ROAD UNDERPASS - PLAN AND ELEVATION	SHEET 2 OF 2	] ′

# ALIGNMENT B1 - ALLEN ROAD UNDERPASS

DRAWING No	DRAWING DESCRIPTION	SHEET No.	PART No.
SV1812	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B1 - ALLEN ROAD UNDERPASS - KEY MAP	SHEET 1 OF 2	,
SV1813	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B1 - ALLEN ROAD UNDERPASS - PLAN AND ELEVATION	SHEET 2 OF 2	

# ALIGNMENT B1 - BAKERSFIELD VIADUCT

DRAWING No	DRAWING DESCRIPTION	SHEET No.	PART No
SV2600	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B1 - BAKERSFIELD VIADUCT - KEY MAP	SHEET 1 OF 57	
SV2601	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B1 - BAKERSFIELD VIADUCT - PLAN AND ELEVATION	SHEET 2 OF 57	
SV2602	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B1 - BAKERSFIELD VIADUCT - PLAN AND ELEVATION	SHEET 3 OF 57	
SV2603	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B1 - BAKERSFIELD VIADUCT - PLAN AND ELEVATION	SHEET 4 OF 57	1
SV2604	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B1 - BAKERSFIELD VIADUCT - PLAN AND ELEVATION	SHEET 5 OF 57	1
SV2605	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B1 - BAKERSFIELD VIADUCT - PLAN AND ELEVATION	SHEET 6 OF 57	1
SV2606	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B1 - BAKERSFIELD VIADUCT - PLAN AND ELEVATION	SHEET 7 OF 57	1
SV2607	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B1 - BAKERSFIELD VIADUCT - PLAN AND ELEVATION	SHEET 8 OF 57	1
SV2608	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B1 - BAKERSFIELD VIADUCT - PLAN AND ELEVATION	SHEET 9 OF 57	1
SV2609	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B1 - BAKERSFIELD VIADUCT - PLAN AND ELEVATION	SHEET 10 OF 57	1
SV2610	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B1 - BAKERSFIELD VIADUCT - PLAN AND ELEVATION	SHEET 11 OF 57	1
SV2611	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B1 - BAKERSFIELD VIADUCT - PLAN AND ELEVATION	SHEET 12 OF 57	1
SV2612	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B1 - BAKERSFIELD VIADUCT - PLAN AND ELEVATION	SHEET 13 OF 57	1
SV2613	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B1 - BAKERSFIELD VIADUCT - PLAN AND ELEVATION	SHEET 14 OF 57	1
SV2614	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B1 - BAKERSFIELD VIADUCT - PLAN AND ELEVATION	SHEET 15 OF 57	1
SV2615	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B1 - BAKERSFIELD VIADUCT - PLAN AND ELEVATION	SHEET 16 OF 57	1
SV2616	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B1 - BAKERSFIELD VIADUCT - PLAN AND ELEVATION	SHEET 17 OF 57	1
SV2617	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B1 - BAKERSFIELD VIADUCT - PLAN AND ELEVATION	SHEET 18 OF 57	1
SV2618	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B1 - BAKERSFIELD VIADUCT - PLAN AND ELEVATION	SHEET 19 OF 57	1
SV2619	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B1 - BAKERSFIELD VIADUCT - PLAN AND ELEVATION	SHEET 20 OF 57	1
SV2620	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B1 - BAKERSFIELD VIADUCT - PLAN AND ELEVATION	SHEET 21 OF 57	1
SV2621	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B1 - BAKERSFIELD VIADUCT - PLAN AND ELEVATION	SHEET 22 OF 57	1
SV2622	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B1 - BAKERSFIELD VIADUCT - PLAN AND ELEVATION	SHEET 23 OF 57	1
SV2623	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B1 - BAKERSFIELD VIADUCT - PLAN AND ELEVATION	SHEET 24 OF 57	1
SV2624	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B1 - BAKERSFIELD VIADUCT - PLAN AND ELEVATION	SHEET 25 OF 57	1
SV2625	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B1 - BAKERSFIELD VIADUCT - PLAN AND ELEVATION	SHEET 26 OF 57	2
SV2626	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B1 - BAKERSFIELD VIADUCT - PLAN AND ELEVATION	SHEET 27 OF 57	1
SV2627	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B1 - BAKERSFIELD VIADUCT - PLAN AND ELEVATION	SHEET 28 OF 57	1
SV2628	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B1 - BAKERSFIELD VIADUCT - PLAN AND ELEVATION	SHEET 29 OF 57	1
SV2629	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B1 - BAKERSFIELD VIADUCT - PLAN AND ELEVATION	SHEET 30 OF 57	1
SV2630	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B1 - BAKERSFIELD VIADUCT - PLAN AND ELEVATION	SHEET 31 OF 57	1
SV2631	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B1 - BAKERSFIELD VIADUCT - PLAN AND ELEVATION	SHEET 32 OF 57	1
SV2632	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B1 - BAKERSFIELD VIADUCT - PLAN AND ELEVATION	SHEET 33 OF 57	1
SV2633	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B1 - BAKERSFIELD VIADUCT - PLAN AND ELEVATION	SHEET 34 OF 57	1
SV2634	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B1 - BAKERSFIELD VIADUCT - PLAN AND ELEVATION	SHEET 35 OF 57	1
SV2635	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B1 - BAKERSFIELD VIADUCT - PLAN AND ELEVATION	SHEET 36 OF 57	1
SV2636	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B1 - BAKERSFIELD VIADUCT - PLAN AND ELEVATION	SHEET 37 OF 57	1
SV2637	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B1 - BAKERSFIELD VIADUCT - PLAN AND ELEVATION	SHEET 38 OF 57	1
SV2638	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B1 - BAKERSFIELD VIADUCT - PLAN AND ELEVATION	SHEET 39 OF 57	┪
SV2639	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B1 - BAKERSFIELD VIADUCT - PLAN AND ELEVATION	SHEET 40 OF 57	1
SV2640	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B1 - BAKERSFIELD VIADUCT - PLAN AND ELEVATION	SHEET 41 OF 57	1
SV2641	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B1 - BAKERSFIELD VIADUCT - PLAN AND ELEVATION	SHEET 42 OF 57	1
SV2642	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B1 - BAKERSFIELD VIADUCT - PLAN AND ELEVATION  BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B1 - BAKERSFIELD VIADUCT - PLAN AND ELEVATION	SHEET 43 OF 57	1
SV2643	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B1 - BAKERSFIELD VIADUCT - PLAN AND ELEVATION  BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B1 - BAKERSFIELD VIADUCT - PLAN AND ELEVATION	SHEET 44 OF 57	1
SV2644		SHEET 45 OF 57	1
SV2645	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B1 - BAKERSFIELD VIADUCT - PLAN AND ELEVATION	SHEET 46 OF 57	1
SV2646	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B1 - BAKERSFIELD VIADUCT - PLAN AND ELEVATION	SHEET 47 OF 57	1
SV2646 SV2647	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B1 - BAKERSFIELD VIADUCT - PLAN AND ELEVATION	SHEET 48 OF 57	1
SV2647 SV2648	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B1 - BAKERSFIELD VIADUCT - PLAN AND ELEVATION	SHEET 49 OF 57	1
SV2648 SV2649	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B1 - BAKERSFIELD VIADUCT - PLAN AND ELEVATION	SHEET 50 OF 57	1
	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B1 - BAKERSFIELD VIADUCT - PLAN AND ELEVATION		1
SV2650	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B1 - BAKERSFIELD VIADUCT - PLAN AND ELEVATION	SHEET 51 OF 57	

						DESIGNED BY M. FISHER	Ī
						DRAWN BY J. VALENZUELA	١.
						CHECKED BY A. ARMSTRONG	ľ
						IN CHARGE	
						R. COFFIN	
REV	DATE	BY	СНК	APP	DESCRIPTION	12/31/13	L

DRAFT 15% DESIGN SUBMISSION NOT FOR CONSTRUCTION





# ALIGNMENT B1 - HAGEMAN ROAD UNDERPASS CONT'D.

DRAWING No	DRAWING DESCRIPTION	SHEET No.	PART No.
SV2651	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B1 - BAKERSFIELD VIADUCT - TYPICAL SECTIONS	SHEET 52 OF 57	
SV2652	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B1 - BAKERSFIELD VIADUCT - TYPICAL SECTIONS	SHEET 53 OF 57	
SV2653	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B1 - BAKERSFIELD VIADUCT - TYPICAL SECTIONS	SHEET 54 OF 57	,
SV2654	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B1 - BAKERSFIELD VIADUCT - TYPICAL SECTIONS	SHEET 55 OF 57	'
SV2655	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B1 - BAKERSFIELD VIADUCT - TYPICAL SECTIONS	SHEET 56 OF 57	
SV2656	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B1 - BAKERSFIELD VIADUCT - TYPICAL SECTIONS	SHEET 57 OF 57	

# ALIGNMENT B2 - HAGEMAN ROAD UNDERPASS

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	DRAWING No	DRAWING DESCRIPTION	SHEET No.	PART No.
	SV1890	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B2 - HAGEMAN ROAD UNDERPASS - KEY MAP	SHEET 1 OF 2	,
	SV1891	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B2 - HAGEMAN ROAD UNDERPASS - PLAN AND ELEVATION	SHEET 2 OF 2	′

# ALIGNMENT B2 - ALLEN ROAD UNDERPASS

DRAWING No	DRAWING DESCRIPTION	SHEET No.	PART No.
SV1892	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B2 - ALLEN ROAD UNDERPASS - KEY MAP	SHEET 1 OF 2	2
SV1893	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B2 - ALLEN ROAD UNDERPASS - PLAN AND ELEVATION	SHEET 2 OF 2	

# ALIGNMENT B2 - BAKERSFIELD VIADUCT

DRAWING No	DRAWING DESCRIPTION	SHEET No.	PART No.
SV2700	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B2 - BAKERSFIELD VIADUCT - KEY MAP	SHEET 1 OF 57	
SV2701	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B2 - BAKERSFIELD VIADUCT - PLAN AND ELEVATION	SHEET 2 OF 57	
SV2702	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B2 - BAKERSFIELD VIADUCT - PLAN AND ELEVATION	SHEET 3 OF 57	
SV2703	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B2 - BAKERSFIELD VIADUCT - PLAN AND ELEVATION	SHEET 4 OF 57	
SV2704	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B2 - BAKERSFIELD VIADUCT - PLAN AND ELEVATION	SHEET 5 OF 57	
SV2705	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B2 - BAKERSFIELD VIADUCT - PLAN AND ELEVATION	SHEET 6 OF 57	
SV2706	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B2 - BAKERSFIELD VIADUCT - PLAN AND ELEVATION	SHEET 7 OF 57	
SV2707	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B2 - BAKERSFIELD VIADUCT - PLAN AND ELEVATION	SHEET 8 OF 57	
SV2708	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B2 - BAKERSFIELD VIADUCT - PLAN AND ELEVATION	SHEET 9 OF 57	
SV2709	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B2 - BAKERSFIELD VIADUCT - PLAN AND ELEVATION	SHEET 10 OF 57	
SV2710	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B2 - BAKERSFIELD VIADUCT - PLAN AND ELEVATION	SHEET 11 OF 57	
SV2711	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B2 - BAKERSFIELD VIADUCT - PLAN AND ELEVATION	SHEET 12 OF 57	
SV2712	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B2 - BAKERSFIELD VIADUCT - PLAN AND ELEVATION	SHEET 13 OF 57	]
SV2713	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B2 - BAKERSFIELD VIADUCT - PLAN AND ELEVATION	SHEET 14 OF 57	
SV2714	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B2 - BAKERSFIELD VIADUCT - PLAN AND ELEVATION	SHEET 15 OF 57	]
SV2715	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B2 - BAKERSFIELD VIADUCT - PLAN AND ELEVATION	SHEET 16 OF 57	]
SV2716	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B2 - BAKERSFIELD VIADUCT - PLAN AND ELEVATION	SHEET 17 OF 57	
SV2717	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B2 - BAKERSFIELD VIADUCT - PLAN AND ELEVATION	SHEET 18 OF 57	
SV2718	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B2 - BAKERSFIELD VIADUCT - PLAN AND ELEVATION	SHEET 19 OF 57	
SV2719	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B2 - BAKERSFIELD VIADUCT - PLAN AND ELEVATION	SHEET 20 OF 57	2
SV2720	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B2 - BAKERSFIELD VIADUCT - PLAN AND ELEVATION	SHEET 21 OF 57	]
SV2721	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B2 - BAKERSFIELD VIADUCT - PLAN AND ELEVATION	SHEET 22 OF 57	]
SV2722	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B2 - BAKERSFIELD VIADUCT - PLAN AND ELEVATION	SHEET 23 OF 57	]
SV2723	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B2 - BAKERSFIELD VIADUCT - PLAN AND ELEVATION	SHEET 24 OF 57	]
SV2724	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B2 - BAKERSFIELD VIADUCT - PLAN AND ELEVATION	SHEET 25 OF 57	]
SV2725	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B2 - BAKERSFIELD VIADUCT - PLAN AND ELEVATION	SHEET 26 OF 57	
SV2726	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B2 - BAKERSFIELD VIADUCT - PLAN AND ELEVATION	SHEET 27 OF 57	]
SV2727	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B2 - BAKERSFIELD VIADUCT - PLAN AND ELEVATION	SHEET 28 OF 57	]
SV2728	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B2 - BAKERSFIELD VIADUCT - PLAN AND ELEVATION	SHEET 29 OF 57	
SV2729	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B2 - BAKERSFIELD VIADUCT - PLAN AND ELEVATION	SHEET 30 OF 57	
SV2730	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B2 - BAKERSFIELD VIADUCT - PLAN AND ELEVATION	SHEET 31 OF 57	
SV2731	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B2 - BAKERSFIELD VIADUCT - PLAN AND ELEVATION	SHEET 32 OF 57	
SV2732	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B2 - BAKERSFIELD VIADUCT - PLAN AND ELEVATION	SHEET 33 OF 57	] ]
SV2733	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B2 - BAKERSFIELD VIADUCT - PLAN AND ELEVATION	SHEET 34 OF 57	] ]
SV2734	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B2 - BAKERSFIELD VIADUCT - PLAN AND ELEVATION	SHEET 35 OF 57	] ]
SV2735	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B2 - BAKERSFIELD VIADUCT - PLAN AND ELEVATION	SHEET 36 OF 57	] ]
SV2736	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B2 - BAKERSFIELD VIADUCT - PLAN AND ELEVATION	SHEET 37 OF 57	] ]
SV2737	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B2 - BAKERSFIELD VIADUCT - PLAN AND ELEVATION	SHEET 38 OF 57	] ]
SV2738	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B2 - BAKERSFIELD VIADUCT - PLAN AND ELEVATION	SHEET 39 OF 57	]
SV2739	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B2 - BAKERSFIELD VIADUCT - PLAN AND ELEVATION	SHEET 40 OF 57	

### CALIFORNIA HIGH-SPEED TRAIN PROJECT FRESNO TO BAKERSFIELD

HST STRUCTURES INDEX OF SHEETS SHEET 7 OF 8

HSR 06-0003 SB2007 NO SCALE

DRAWING No	DRAWING DESCRIPTION	SHEET No.	PART No.
SV2740	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B2 - BAKERSFIELD VIADUCT - PLAN AND ELEVATION	SHEET 41 OF 57	
SV2741	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B2 - BAKERSFIELD VIADUCT - PLAN AND ELEVATION	SHEET 42 OF 57	
SV2742	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B2 - BAKERSFIELD VIADUCT - PLAN AND ELEVATION	SHEET 43 OF 57	
SV2743	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B2 - BAKERSFIELD VIADUCT - PLAN AND ELEVATION	SHEET 44 OF 57	
SV2744	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B2 - BAKERSFIELD VIADUCT - PLAN AND ELEVATION	SHEET 45 OF 57	
SV2745	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B2 - BAKERSFIELD VIADUCT - PLAN AND ELEVATION	SHEET 46 OF 57	
SV2746	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B2 - BAKERSFIELD VIADUCT - PLAN AND ELEVATION	SHEET 47 OF 57	
SV2747	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B2 - BAKERSFIELD VIADUCT - PLAN AND ELEVATION	SHEET 48 OF 57	2
SV2748	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B2 - BAKERSFIELD VIADUCT - PLAN AND ELEVATION	SHEET 49 OF 57	] ′
SV2749	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B2 - BAKERSFIELD VIADUCT - PLAN AND ELEVATION	SHEET 50 OF 57	
SV2750	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B2 - BAKERSFIELD VIADUCT - PLAN AND ELEVATION	SHEET 51 OF 57	
SV2751	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B2 - BAKERSFIELD VIADUCT - TYPICAL SECTIONS	SHEET 52 OF 57	
SV2752	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B2 - BAKERSFIELD VIADUCT - TYPICAL SECTIONS	SHEET 53 OF 57	
SV2753	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B2 - BAKERSFIELD VIADUCT - TYPICAL SECTIONS	SHEET 54 OF 57	
SV2754	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B2 - BAKERSFIELD VIADUCT - TYPICAL SECTIONS	SHEET 55 OF 57	
SV2755	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B2 - BAKERSFIELD VIADUCT - TYPICAL SECTIONS	SHEET 56 OF 57	
SV2756	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B2 - BAKERSFIELD VIADUCT - TYPICAL SECTIONS	SHEET 57 OF 57	

# ALIGNMENT B3 - HAGEMAN ROAD UNDERPASS

DRAWING No	DRAWING DESCRIPTION	SHEET No.	PART No.
SV2790	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B3 - HAGEMAN ROAD UNDERPASS - KEY MAP	SHEET 1 OF 2	_
SV2791	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B3 - HAGEMAN ROAD UNDERPASS - PLAN AND ELEVATION	SHEET 2 OF 2	2

# ALIGNMENT B3 - ALLEN ROAD UNDERPASS

DRAWING No	DRAWING DESCRIPTION	SHEET No.	PART No.
SV2792	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B3 - ALLEN ROAD UNDERPASS - KEY MAP	SHEET 1 OF 2	,
SV2793	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B3 - ALLEN ROAD UNDERPASS - PLAN AND ELEVATION	SHEET 2 OF 2	2

# ALIGNMENT B3 - BAKERSFIELD VIADUCT

DRAWING No	DRAWING DESCRIPTION	SHEET No.	PART N
SV2800	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B3 - BAKERSFIELD VIADUCT - KEY MAP	SHEET 1 OF 57	1
SV2801	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B3 - BAKERSFIELD VIADUCT - PLAN AND ELEVATION	SHEET 2 OF 57	
SV2802	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B3 - BAKERSFIELD VIADUCT - PLAN AND ELEVATION	SHEET 3 OF 57	
SV2803	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B3 - BAKERSFIELD VIADUCT - PLAN AND ELEVATION	SHEET 4 OF 57	
SV2804	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B3 - BAKERSFIELD VIADUCT - PLAN AND ELEVATION	SHEET 5 OF 57	
SV2805	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B3 - BAKERSFIELD VIADUCT - PLAN AND ELEVATION	SHEET 6 OF 57	
SV2806	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B3 - BAKERSFIELD VIADUCT - PLAN AND ELEVATION	SHEET 7 OF 57	
SV2807	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B3 - BAKERSFIELD VIADUCT - PLAN AND ELEVATION	SHEET 8 OF 57	1
SV2808	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B3 - BAKERSFIELD VIADUCT - PLAN AND ELEVATION	SHEET 9 OF 57	1
SV2809	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B3 - BAKERSFIELD VIADUCT - PLAN AND ELEVATION	SHEET 10 OF 57	1
SV2810	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B3 - BAKERSFIELD VIADUCT - PLAN AND ELEVATION	SHEET 11 OF 57	1
SV2811	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B3 - BAKERSFIELD VIADUCT - PLAN AND ELEVATION	SHEET 12 OF 57	1
SV2812	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B3 - BAKERSFIELD VIADUCT - PLAN AND ELEVATION	SHEET 13 OF 57	1
SV2813	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B3 - BAKERSFIELD VIADUCT - PLAN AND ELEVATION	SHEET 14 OF 57	1
SV2814	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B3 - BAKERSFIELD VIADUCT - PLAN AND ELEVATION	SHEET 15 OF 57	
SV2815	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B3 - BAKERSFIELD VIADUCT - PLAN AND ELEVATION	SHEET 16 OF 57	1
SV2816	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B3 - BAKERSFIELD VIADUCT - PLAN AND ELEVATION	SHEET 17 OF 57	1
SV2817		SHEET 18 OF 57	1
SV2817	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B3 - BAKERSFIELD VIADUCT - PLAN AND ELEVATION		-
SV2818 SV2819	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B3 - BAKERSFIELD VIADUCT - PLAN AND ELEVATION	SHEET 19 OF 57 SHEET 20 OF 57	1
	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B3 - BAKERSFIELD VIADUCT - PLAN AND ELEVATION		-
SV2820	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B3 - BAKERSFIELD VIADUCT - PLAN AND ELEVATION	SHEET 21 OF 57	-
SV2821	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B3 - BAKERSFIELD VIADUCT - PLAN AND ELEVATION	SHEET 22 OF 57	-
SV2822	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B3 - BAKERSFIELD VIADUCT - PLAN AND ELEVATION	SHEET 23 OF 57	
SV2823	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B3 - BAKERSFIELD VIADUCT - PLAN AND ELEVATION	SHEET 24 OF 57	4
SV2824	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B3 - BAKERSFIELD VIADUCT - PLAN AND ELEVATION	SHEET 25 OF 57	4
SV2825	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B3 - BAKERSFIELD VIADUCT - PLAN AND ELEVATION	SHEET 26 OF 57	2
SV2826	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B3 - BAKERSFIELD VIADUCT - PLAN AND ELEVATION	SHEET 27 OF 57	
SV2827	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B3 - BAKERSFIELD VIADUCT - PLAN AND ELEVATION	SHEET 28 OF 57	1
SV2828	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B3 - BAKERSFIELD VIADUCT - PLAN AND ELEVATION	SHEET 29 OF 57	
SV2829	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B3 - BAKERSFIELD VIADUCT - PLAN AND ELEVATION	SHEET 30 OF 57	
SV2830	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B3 - BAKERSFIELD VIADUCT - PLAN AND ELEVATION	SHEET 31 OF 57	
SV2831	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B3 - BAKERSFIELD VIADUCT - PLAN AND ELEVATION	SHEET 32 OF 57	
SV2832	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B3 - BAKERSFIELD VIADUCT - PLAN AND ELEVATION	SHEET 33 OF 57	
SV2833	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B3 - BAKERSFIELD VIADUCT - PLAN AND ELEVATION	SHEET 34 OF 57	
SV2834	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B3 - BAKERSFIELD VIADUCT - PLAN AND ELEVATION	SHEET 35 OF 57	1
SV2835	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B3 - BAKERSFIELD VIADUCT - PLAN AND ELEVATION	SHEET 36 OF 57	1
SV2836	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B3 - BAKERSFIELD VIADUCT - PLAN AND ELEVATION	SHEET 37 OF 57	1
SV2837	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B3 - BAKERSFIELD VIADUCT - PLAN AND ELEVATION	SHEET 38 OF 57	1
SV2838	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B3 - BAKERSFIELD VIADUCT - PLAN AND ELEVATION	SHEET 39 OF 57	1
SV2839	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B3 - BAKERSFIELD VIADUCT - PLAN AND ELEVATION	SHEET 40 OF 57	1
SV2840	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B3 - BAKERSFIELD VIADUCT - PLAN AND ELEVATION	SHEET 41 OF 57	1
SV2841	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B3 - BAKERSFIELD VIADUCT - PLAN AND ELEVATION	SHEET 42 OF 57	1
SV2842		SHEET 43 OF 57	1
SV2843	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B3 - BAKERSFIELD VIADUCT - PLAN AND ELEVATION	SHEET 44 OF 57	1
	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B3 - BAKERSFIELD VIADUCT - PLAN AND ELEVATION		1
SV2844	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B3 - BAKERSFIELD VIADUCT - PLAN AND ELEVATION	SHEET 45 OF 57	-
SV2845	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B3 - BAKERSFIELD VIADUCT - PLAN AND ELEVATION	SHEET 46 OF 57	-
SV2846	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B3 - BAKERSFIELD VIADUCT - PLAN AND ELEVATION	SHEET 47 OF 57	4
SV2847	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B3 - BAKERSFIELD VIADUCT - PLAN AND ELEVATION	SHEET 48 OF 57	-
SV2848	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B3 - BAKERSFIELD VIADUCT - PLAN AND ELEVATION	SHEET 49 OF 57	4
SV2849	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B3 - BAKERSFIELD VIADUCT - PLAN AND ELEVATION	SHEET 50 OF 57	4
SV2850	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B3 - BAKERSFIELD VIADUCT - PLAN AND ELEVATION	SHEET 51 OF 57	1
SV2851	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B3 - BAKERSFIELD VIADUCT - PLAN AND ELEVATION	SHEET 52 OF 57	1
SV2852	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B3 - BAKERSFIELD VIADUCT - TYPICAL SECTIONS	SHEET 53 OF 57	1
SV2853	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B3 - BAKERSFIELD VIADUCT - TYPICAL SECTIONS	SHEET 54 OF 57	]
SV2854	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B3 - BAKERSFIELD VIADUCT - TYPICAL SECTIONS	SHEET 55 OF 57	
SV2855	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B3 - BAKERSFIELD VIADUCT - TYPICAL SECTIONS	SHEET 56 OF 57	
SV2856	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B3 - BAKERSFIELD VIADUCT - TYPICAL SECTIONS	SHEET 57 OF 57	1

						DESIGNED BY M. FISHER
						DRAWN BY J. VALENZUELA
						CHECKED BY A. ARMSTRONG
						IN CHARGE
						R. COFFIN
REV	DATE	BY	СНК	APP	DESCRIPTION	12/31/13

DRAFT 15% DESIGN SUBMISSION NOT FOR CONSTRUCTION



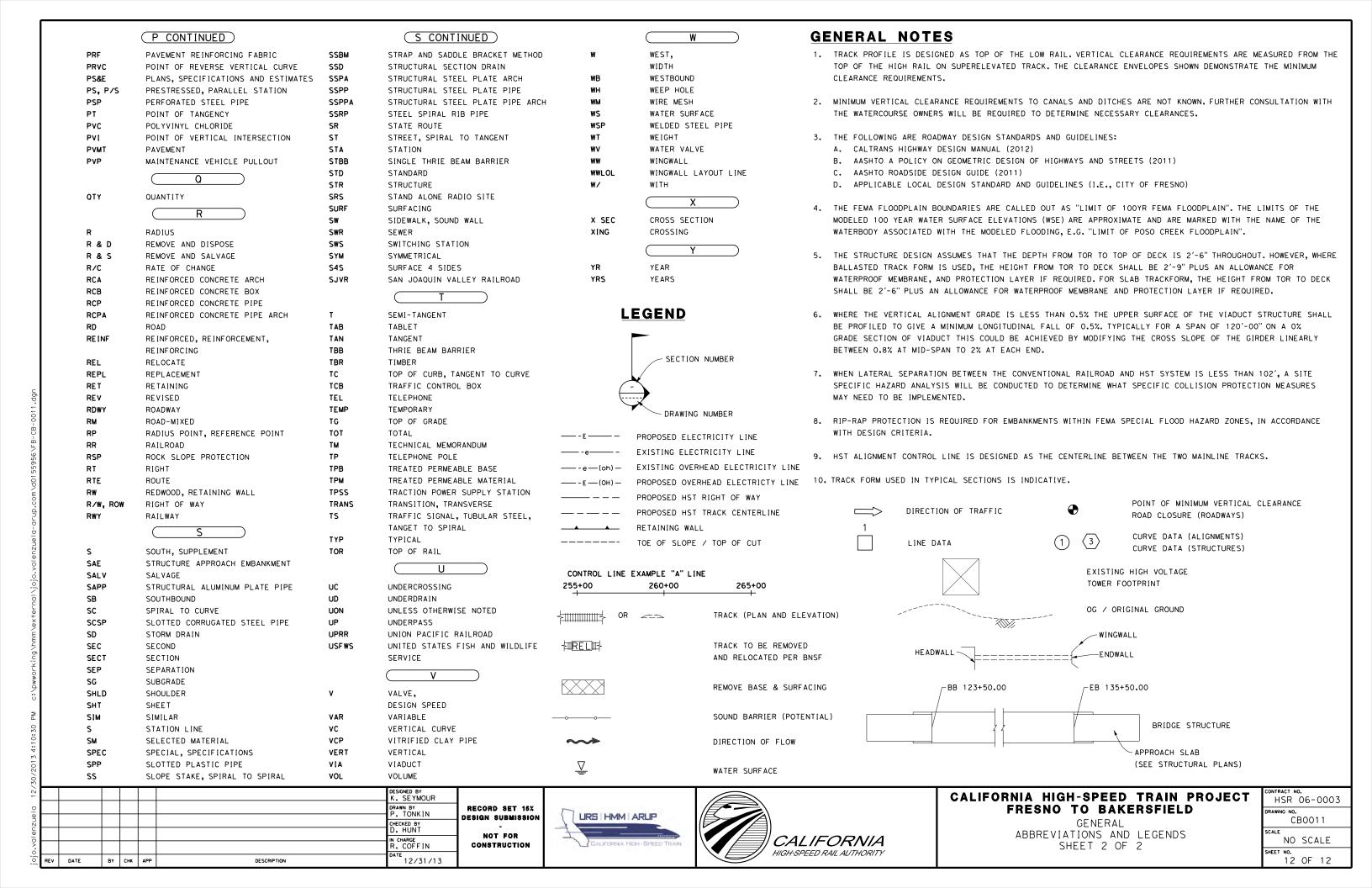


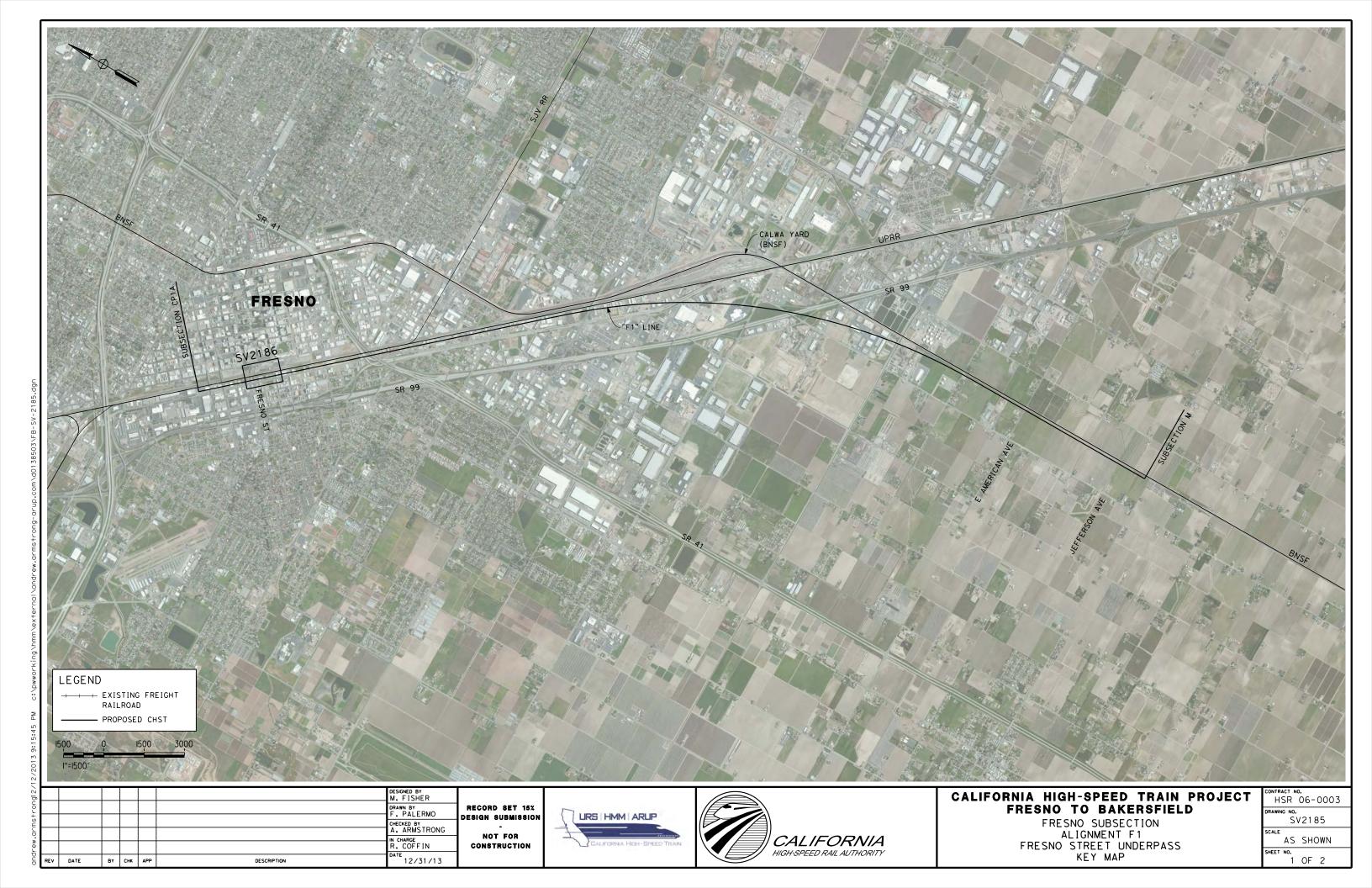
# CALIFORNIA HIGH-SPEED TRAIN PROJECT FRESNO TO BAKERSFIELD

HST STRUCTURES INDEX OF SHEETS SHEET 8 OF 8

HSR 06-0003 SB2008 NO SCALE

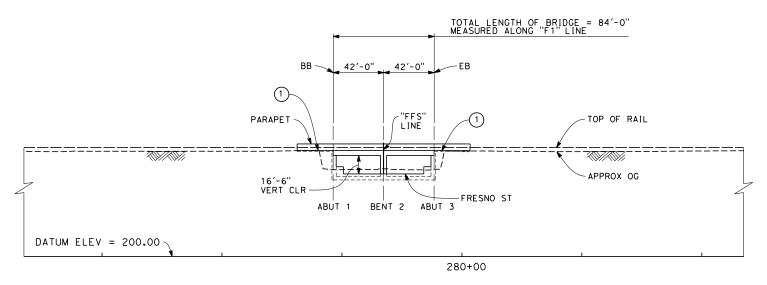
		( A )		(C CONTINUED)		(E CONTINUED)		Н		(M CONTINUED)
			SUCD.		F.4.CF			HEIGHT		
AB		AGGREGATE BASE	CHSRA	CALIFORNIA HIGH SPEED RAIL	EASE	EASEMENT	H	HOUR	MOD	MODIFIED, MODIFY
AB		ASBESTOS BONDED BITUMINOUS COATED	0.157	AUTHORITY	EB	END OF BRIDGE, EASTBOUND	HR HD	HOUR HORIZONTAL DRAIN	MON MP	MONUMENT
AB		AIR-BLOWN MORTAR	CHST CHSR	CALIFORNIA HIGH SPEED TRAIN CALIFORNIA HIGH SPEED RAIL	EC ECR	END HORIZONTAL CURVE END CURB RETURN	HDWL	HEADWALL	MPGR	METAL PLATE METAL PLATE GUARD RAILING
AB AB		ABANDON ABUTMENT	CG	CENTER OF GRAVITY	ED	EDGE DRAIN	HEX HD	HEXAGONAL HEAD	MPH	MILES PER HOUR
AC		ASPHALT CONCRETE	CHNL	CHANNEL	EDC	EDGE DRAIN CLEANOUT	HMA	HOT MIXED ASPHALT	MR	MOVEMENT RATING
AC		ASPHALT CONCRETE BASE	CI	CAST IRON	EDO	EDGE DRAIN CLEANOOT	HOR1Z	HORIZONTAL	MSE	MECHANICALLY STABILIZED EARTH
AC		ASBESTOS CEMENT PIPE	CIDH	CAST INON  CAST-IN-DRILLED-HOLE	EDV	EDGE DRAIN VENT	HP	HINGE POINT, HORSEPOWER	MTL	MATERIAL
AD		ADDED DEAD LOAD		CAST-IN-PLACE, CAST IRON PIPE	ELEC	ELECTROLIER	HPS	HIGH PERFORMANCE STEEL	MSS	MOVING SCAFFOLDING SYSTEM
AD		ADJUST	CIPCP	CAST IN PLACE CONCRETE PIPE	ELECT	ELECTRIC	HS	HIGH STRENGTH	m33	
AF		ALTERNATIVE FLARED END SECTION	CISS	CAST-IN-STEEL-SHELL	ELEV	ELEVATION	HST	HIGH SPEED TRAIN		(N)
AH		AHEAD	CJP	COMPLETE JOINT PENETRATION	EMB	EMBANKMENT	HSR	HIGH SPEED RAIL	N	NORTH, NORTHING
AL		ALTERNATE	CL	CENTERLINE, CLASS	ENGR	ENGINEER	HW	HEADWALL, HIGH WATER	NB	NORTHBOUND
AM		TIME FROM MIDNIGHT TO NOON	CL2	CLASS 2	EOD	EDGE OF DECK	н <b>им</b>	HIGH WATER MARK	NO.	NUMBER (MUST HAVE PERIOD)
AP		ALTERNATIVE PIPE	CL-6	CHAIN LINK FENCE (6 FT)	EP	EDGE OF PAVEMENT	HWY	HIGHWAY	NOS.	NUMBERS (MUST HAVE PERIOD)
AP	C	ALTERNATIVE PIPE CULVERT	CLR	CLEAR, CLEARANCE	EQ	EQUATION, EQUAL			NPS	NOMINAL PIPE SIZE
AP	PROX	APPROXIMATE	СМ	CORRUGATED METAL	ES	EDGE OF SHOULDER			NS	NEAR SIDE
AP	'n	ALTERNATIVE PIPE UNDERDRAIN	СМР	CORRUGATED METAL PIPE	ETW	EDGE OF TRAVELED WAY	IB	IMPORTED BORROW	NTS	NOT TO SCALE
AR	rs.	ACCELERATION RESPONSE SPECTRUM	со	COUNTY	EVC	END VERTICAL CURVE	ID	INSIDE DIAMETER	N/A	NOT APPLICABLE
AR	<b>:</b>	ACCESS RESTRICTION	COL	COLUMN	EW	ENDWALL	IF	INSIDE FACE		0
AS	;	AGGREGATE SUBBASE	CONC	CONCRETE	EXC	EXCAVATION	IN	INCH, INCHES		
AS	RP	ALUMINUM SPIRAL RIB PIPE	COND	CONDUIT	EXIST, EX.	• EXISTING	INT	INTERIOR	OBLR	OBLITERATE
AS	SY	ASSEMBLY	CONN	CONNECTOR	EXP	EXPANSION	INV	INVERT	OC	OVERCROSSING
AT	PB	ASPHALT TREATED PERMEABLE BASE	CONST	CONSTRUCT, CONSTRUCTION	EXP JT	EXPANSION JOINT	IRR	IRRIGATION	ocs	OVERHEAD CONTACT SYSTEM
AT	PM	ASPHALT TREATED PERMEABLE MATERIAL	CONT	CONTINUOUS	EXWY	EXPRESSWAY			OD	OUTSIDE DIAMETER
AV		AVENUE	COORD	COORDINATE	EXT	EXTERIOR			OF	OUTSIDE FACE
AV	'G	AVERAGE	CP	CLEARANCE POINT		F	JCT	JUNCTION	OG	ORIGINAL GROUND
•		AT	CR	CREEK		·	JP	JOINT POLE	OGAC	OPEN GRADED ASPHALT CONCRETE
		В	CRCP	CONTINUOUS REINFORCED CONCRETE PAVEMENT	F & C	FRAME AND COVER	JPCP	JOINTED PLAIN CONCRETE PAVEMENT	ОН	OVERHEAD
C <sub>B</sub>			CRSP	CONCRETED ROCK SLOPE PROTECTION	F & G	FRAME AND GRATE	JS	JUNCTION STRUCTURE	0-0	OUT TO OUT
P. BA		BRIDGE APPROACH GUARD RAILING	CS	CURVE TO SPIRAL	FB	FLOOR BEAM	JT	JOINT	OPP	OPPOSITE
50 BB		BEGINNING OF BRIDGE	CSP	CORRUGATED STEEL PIPE	F-B	FRESNO TO BAKERSFIELD		K		P
BC		BEGIN HORIZONTAL CURVE	CSPA	CORRUGATED STEEL PIPE ARCH	FDN	FOUNDATION		DISTANCE TO ACUIEVE 48 CRAPE CHANCE		DIGE
BC		BALANCED CANTILEVER CONSTRUCTION	CTB	CEMENT TREATED BASE	FEBT	FACING EASTBOUND TRAFFIC	К	DISTANCE TO ACHIEVE 1% GRADE CHANGE		PAGE
BC		BEGIN CURB RETURN	CTPB	CEMENT TREATED PERMEABLE BASE	FES	FLARED END SECTION			PAP	PERFORATED ALUMINUM PIPE
BE		BEGIN	CTPM CTRS	CEMENT TREATED PERMEABLE MATERIAL CENTERS	FF FG	FILTER FABRIC FINISHED GRADE		LENGTH	PB PC	PULL BOX POINT OF CURVATURE, PRECAST
91 BK		BITUMINOUS COATED BACK	CVFPB	CENTRAL VALLEY FLOOD PROTECTION BOARD	FH	FIRE HYDRANT	L Lat	LATITUDE	PCC	POINT OF COMPOUND CURVE,
S BK		BACKFILL	CULV	CULVERT	FIG	FIGURE	LCB	LEAN CONCRETE BASE	FCC	PORTLAND CEMENT CONCRETE
S BL		BUILDING	C C	CENTERLINE	FL	FLOW LINE	LN	LANE	PCP	PERFORATED CONCRETE PIPE.
dh'r BL		BRIDGE-LOG MILE	-		FNBT	FACING NORTHBOUND TRAFFIC	LOC	LOCATION		PRESTRESSED CONCRETE PIPE
- BL		BOULEVARD		<u> </u>	FOC	FACE OF CONCRETE	LOL	LAYOUT LINE	PCVC	POINT OF COMPOUND VERTICAL CURVE
.c <b>BM</b>		BENCH MARK	D	DEPTH	FR RD	FRONTAGE ROAD	LONG	LONGITUDE	PED	PEDESTRIAN
ĕ <b>B</b> N		BOUND	DD	DOWNDRAIN, DIRECTIVE DRILLING	FS	FAR SIDE, FINISHED SURFACE	LONGIT	LONGITUDINAL	PED OC	PEDESTRIAN OVERCROSSING
≟ BN	ISF	BURLINGTON NORTH & SANTA FE	DBL	DOUBLE	FSBT	FACING SOUTHBOUND TRAFFIC	LS	LENGTH OF SPIRAL	PED UC	PEDESTRIAN UNDERCROSSING
Во	т	BOTTOM	DEG	DEGREE	FT	FOOT, FEET	LC	LENGTH OF CURVE	PERM MTL	PERMEABLE MATERIAL
− ER	}	BRIDGE	DEL	DELINEATOR	FTG	FOOTING	LT	LEFT	PG	PROFILE GRADE
₽ BR	rG.	BEARING	DET	DETAIL, DETOUR	FWBT	FACING WESTBOUND TRAFFIC		( N	ΡI	POINT OF INTERSECTION
± × ψ	'U	BRITISH THERMAL UNIT	DF	DOUGLAS FIR	FWY	FREEWAY		( <u>M</u>	PJP	PARTIAL JOINT PENETRATION
E Bv		BEGIN VERTICAL CURVE	DI	DRAINAGE INLET, DROP INLET	FPLM	FULL SPAN PRECAST	MAINT	MAINTENANCE	P,PL	PLATE
ıμ√ Bw	1	BARBED WIRE	DIA	DIAMETER		LAUNCHING METHOD	MAX	MAXIMUM	P/L	PROPERTY LINE
j.		C	DIAPH	DIAPHRAGM		G	MB	METAL BEAM	PM	POST MILE, TIME FROM NOON TO MIDNIGHT
70			DIST	DISTANCE, DISTRICT			MBB	METAL BEAM BARRIER	PN	PAVING NOTCH
ČA Q		CABLE ANCHOR ASSEMBLY	DMBB	DOUBLE METAL BEAM BARRIER	G	ACCELERATION DUE TO GRAVITY	MBGR	METAL BEAM GUARD RAILING	POB	POINT OF BEGINNING
CA O		CORRUGATED ALUMINUM PIPE	DR	DRIVE	GA	GAGE	MED	MEDIAN	POC	POINT OF HORIZONTAL CURVE
CA		CORRUGATED ALUMINUM PIPE ARCH	DTBB	DOUBLE THRIE BEAM BARRIER	GALV	GALVANIZED	M-F	MERCED TO FRESNO	POE	POINT OF ENDING
EA CA		CONSTRUCTION AREA SIGN	DWY	DRIVEWAY	GP CB	GRADING PLANE	MH	MANHOLE	POT	POINT OF VERTICAL CURVE
SS: CB		CONCRETE BLOCK WALL		E	GR CSB	GUARD RAILING	MIN	MINIMUM MISCELL ANEOLIS	POVC PP	POINT OF VERTICAL CURVE
C- CB		CONCRETE BLOCK WALL CENTER TO CENTER	F	EAST, EASTING	GSP GTR	GALVANIZED STEEL PIPE GUTTER	MISC MISC I & S	MISCELLANEOUS MISCELLANEOUS IRON AND STEEL	PPL PPL	PIPE PILE, PLASTIC PIPE, POWER POLE PREFORMED PERMEABLE LINER
25.	·	CENTER TO CENTER	EA	ACTUAL SUPERELEVATION	UIR	COTTEN	MISC I & S	MARKER	PPL	PERFORATED PLASTIC PIPE
/20			EU	UNBALANCED SUPERELEVATION			M/L	MAIN LINE (RAILWAY)	PRC	POINT OF REVERSE CURVE
715.							W/L	mont line (Maleman)	i iic	TOTAL OF REVERSE CONVE
12.				DESIGNED BY K. SEYMOUR				CALIFORNIA	HIGH-SPEE	D TRAIN PROJECT CONTRACT NO. HSR 06-0003
				DRAWN BY RECORD SET 15%					NO TO BAR	11311 00 0003
				CHECKED BY	URS HMM	ARLIP		1	GENERAL	000010
. Ac				D. HUNT IN CHARGE NOT FOR			0411500	ABBR	REVIATIONS AN	ID I ECENDS SCALE
<u> </u>				R. COFFIN CONSTRUCTION	CALIFORNIA HIE		CALIFOR. IIGH-SPEED RAIL AUT	/V <i>I/</i> 4	SHEET 1 0	■ N() \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
REV DATE	BY (	CHK APP DESCRIPTION		DATE 12/31/13			TIGH OPEEU KAIL AU	NUKI/ I		11 OF 12
~ <u>                                    </u>				<u> </u>						1



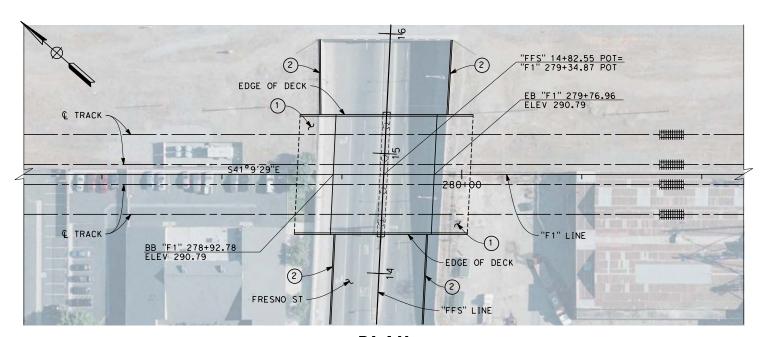




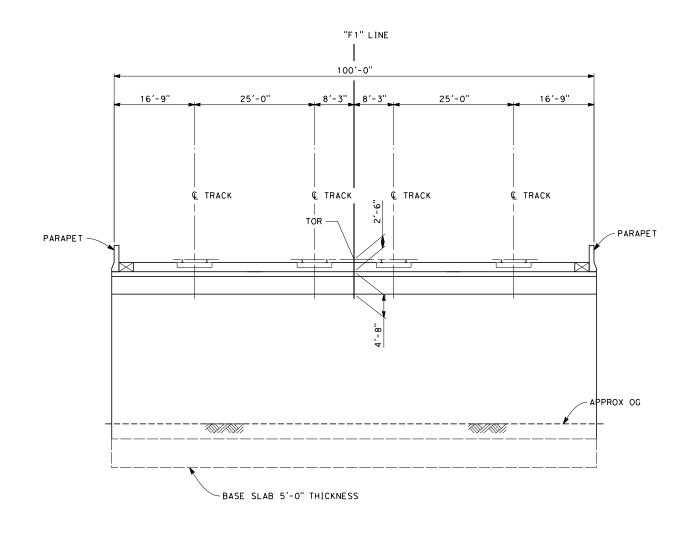
# TOP OF RAIL "F1" LINE



# **ELEVATION** SCALE 1" = 40'



PLAN SCALE 1" = 40'



# TYPICAL SECTION

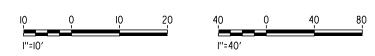
SCALE: 1" = 10'

#### NOTES:

- 1. ALL PILES NOT SHOWN
- 2. PILE LENGTH TO BE DETERMINED

#### LEGEND:

- 1) STRUCTURE APPROACH SLAB
- RETAINING WALL



						DESIGNED BY M. FISHER	
						DRAWN BY	RECORD SET 15%
						CHECKED BY A. ARMSTRONG	DESIGN SUBMISSION -
						IN CHARGE R. COFFIN	NOT FOR CONSTRUCTION
REV	DATE	ВΥ	СНК	APP	DESCRIPTION	DATE 12/31/13	

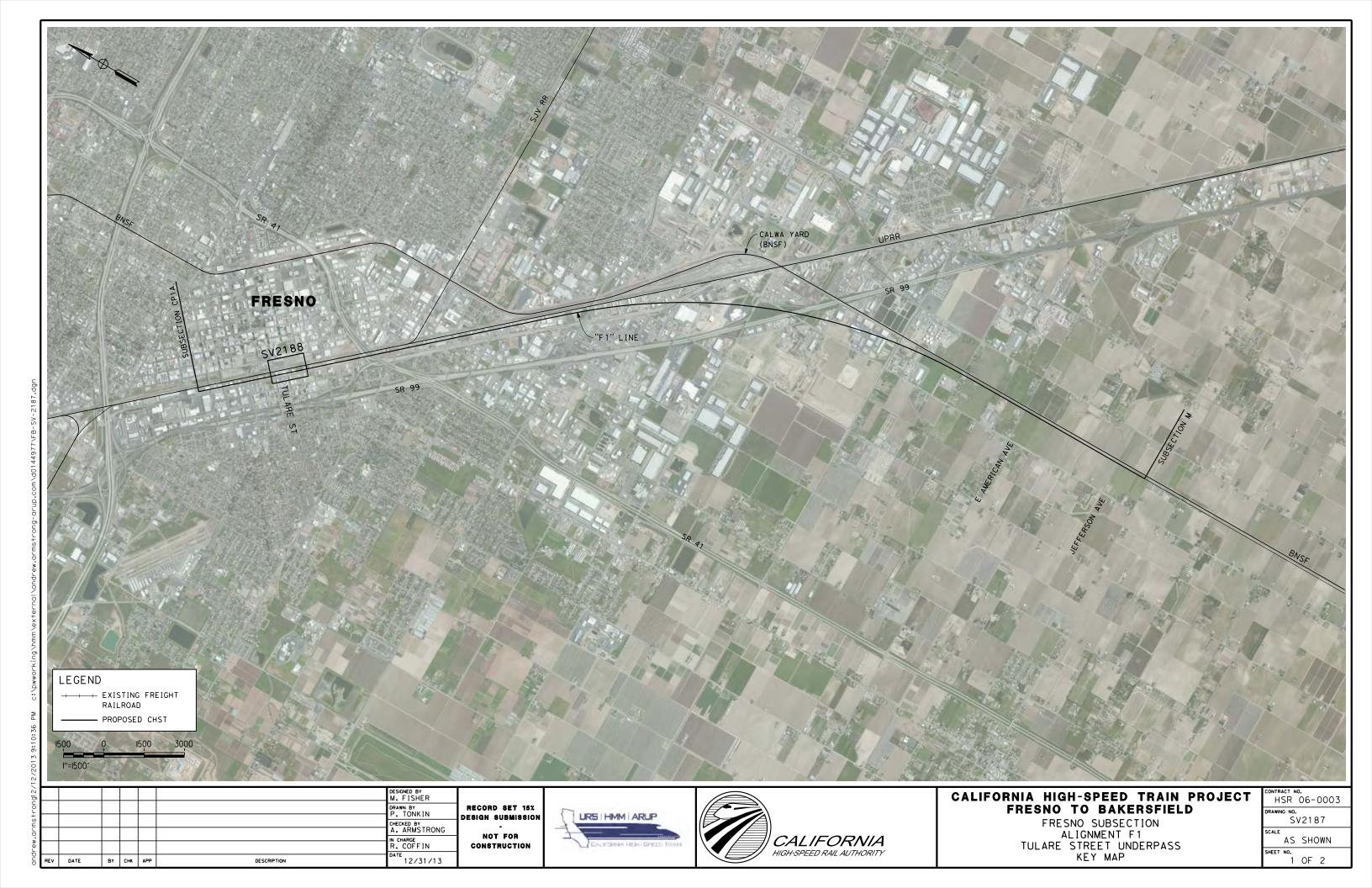


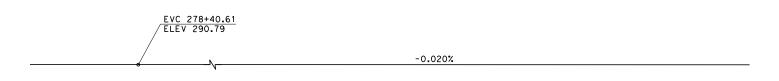


# CALIFORNIA HIGH-SPEED TRAIN PROJECT FRESNO TO BAKERSFIELD

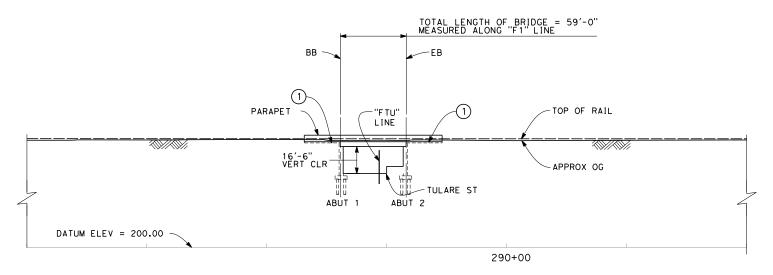
FRESNO SUBSECTION
ALIGNMENT F1
FRESNO STREET UNDERPASS PLAN AND ELEVATION

CONTRACT NO.
HSR 06-0003
DRAWING NO.
SV2186
SCALE
AS SHOWN
SHEET NO.
2 OF 2

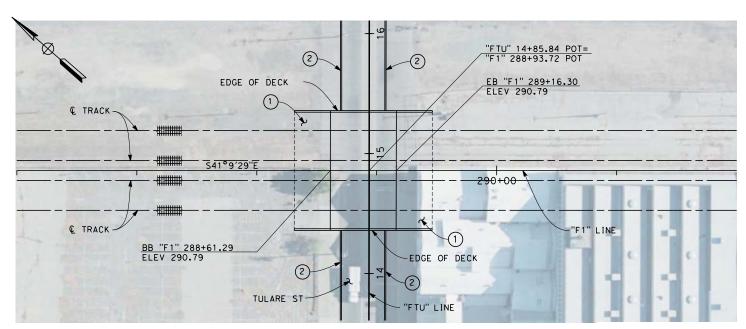




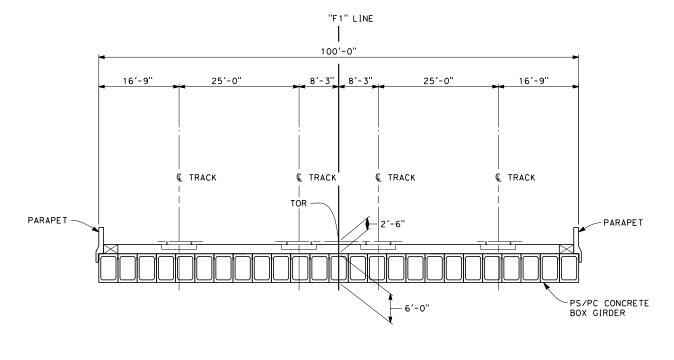
# TOP OF RAIL "F1" LINE



### **ELEVATION** SCALE 1" = 40'



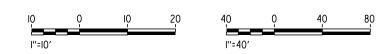
PLAN SCALE 1" = 40'



# TYPICAL SECTION SCALE: 1" = 10'

LEGEND:

- 1 STRUCTURE APPROACH SLAB
- 2 RETAINING WALL



						DESIGNED BY M. FISHER	
						DRAWN BY J. VALENZUELA	RECORD SET 15% Design Submission
						CHECKED BY A. ARMSTRONG	•
						IN CHARGE R. COFFIN	NOT FOR CONSTRUCTION
REV	DATE	ВΥ	СНК	APP	DESCRIPTION	12/31/13	

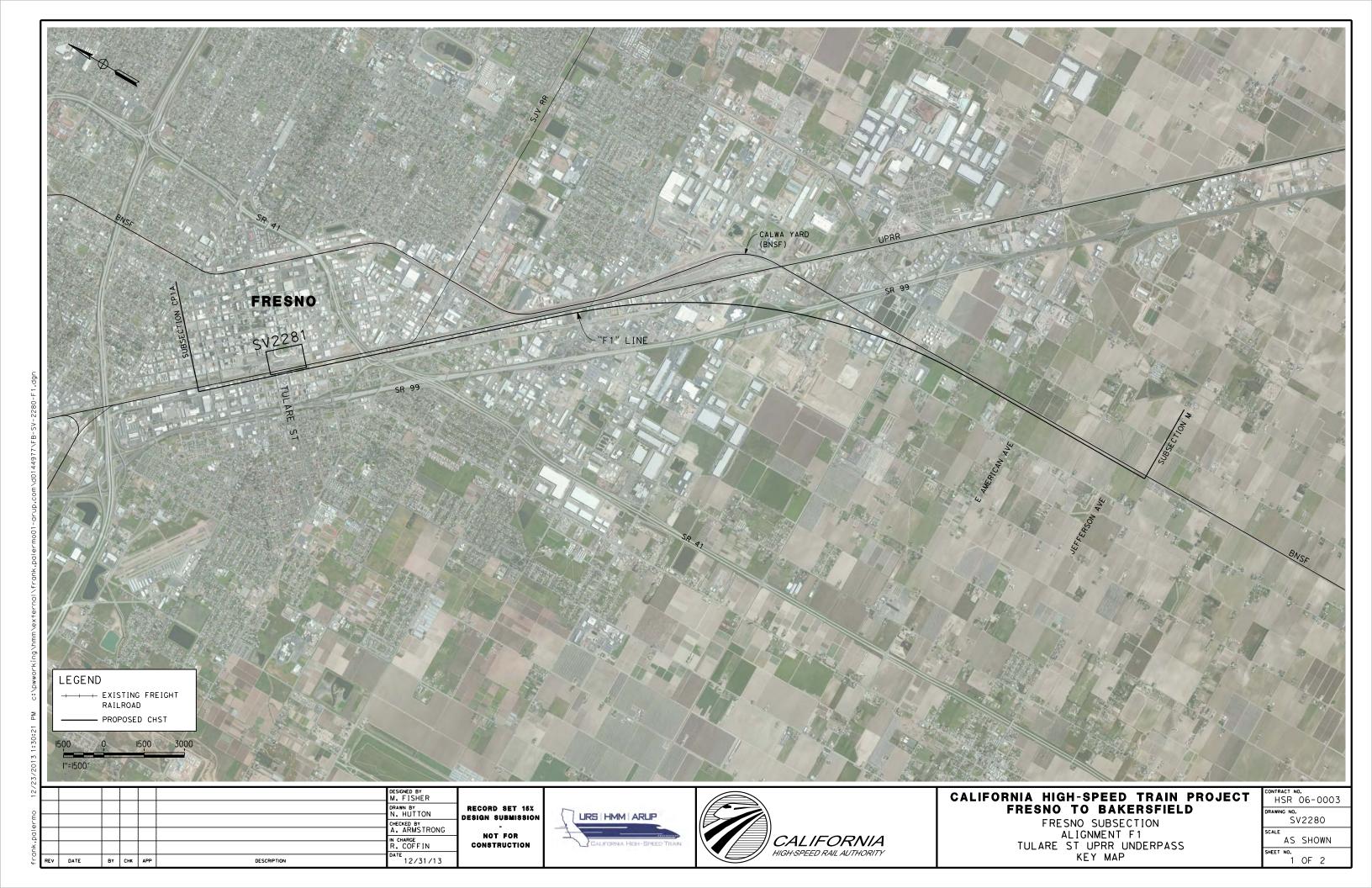
URS HMM ARUP

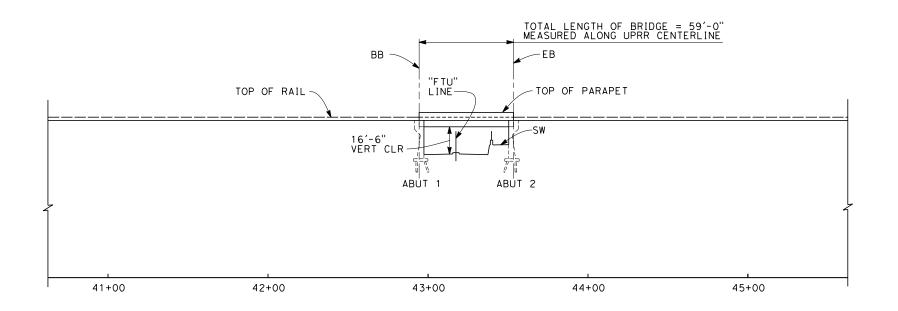


# CALIFORNIA HIGH-SPEED TRAIN PROJECT FRESNO TO BAKERSFIELD

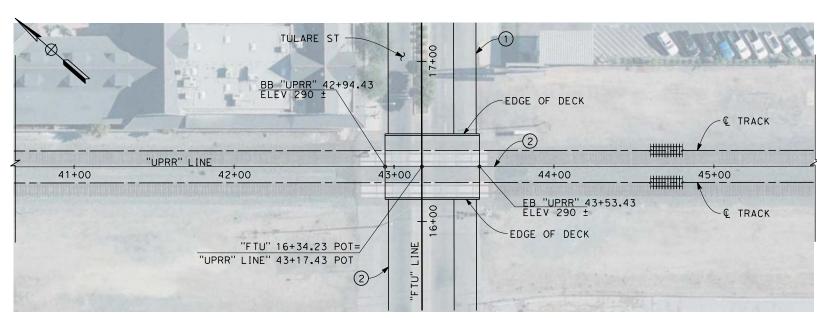
FRESNO SUBSECTION
ALIGNMENT F1
TULARE STREET UNDERPASS PLAN AND ELEVATION

ı	CONTRACT NO.
	HSR 06-0003
ı	DRAWING NO.
	SV2188
ı	SCALE
	AS SHOWN
ı	SHEET NO.
	2 OF 2





ELEVATION
SCALE: 1" = 30'



# PLAN SCALE: 1" = 30'

RECORD SET 15%

DESIGN SUBMISSION

NOT FOR

CONSTRUCTION

URS HMM ARUP

CALIFORNIA

HIGH-SPEED RAIL AUTHORITY

DESIGNED BY M. FISHER

DRAWN BY N. HUTTON

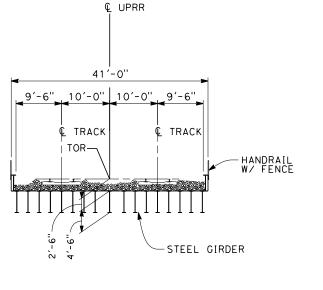
N CHARGE R. COFFIN

BY CHK APP

DESCRIPTION

CHECKED BY
A. ARMSTRONG

12/31/13



# TYPICAL SECTION

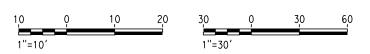
SCALE: 1" = 10'

#### NOTES:

- 1. ALL PILES NOT SHOWN
- 2. FOR MINIMUM VERTICAL CLEARANCES, HORIZONTAL CURVE DATA, AND DETAILS NOT SHOWN, SEE ROADWAY PLANS.

#### LEGEND:

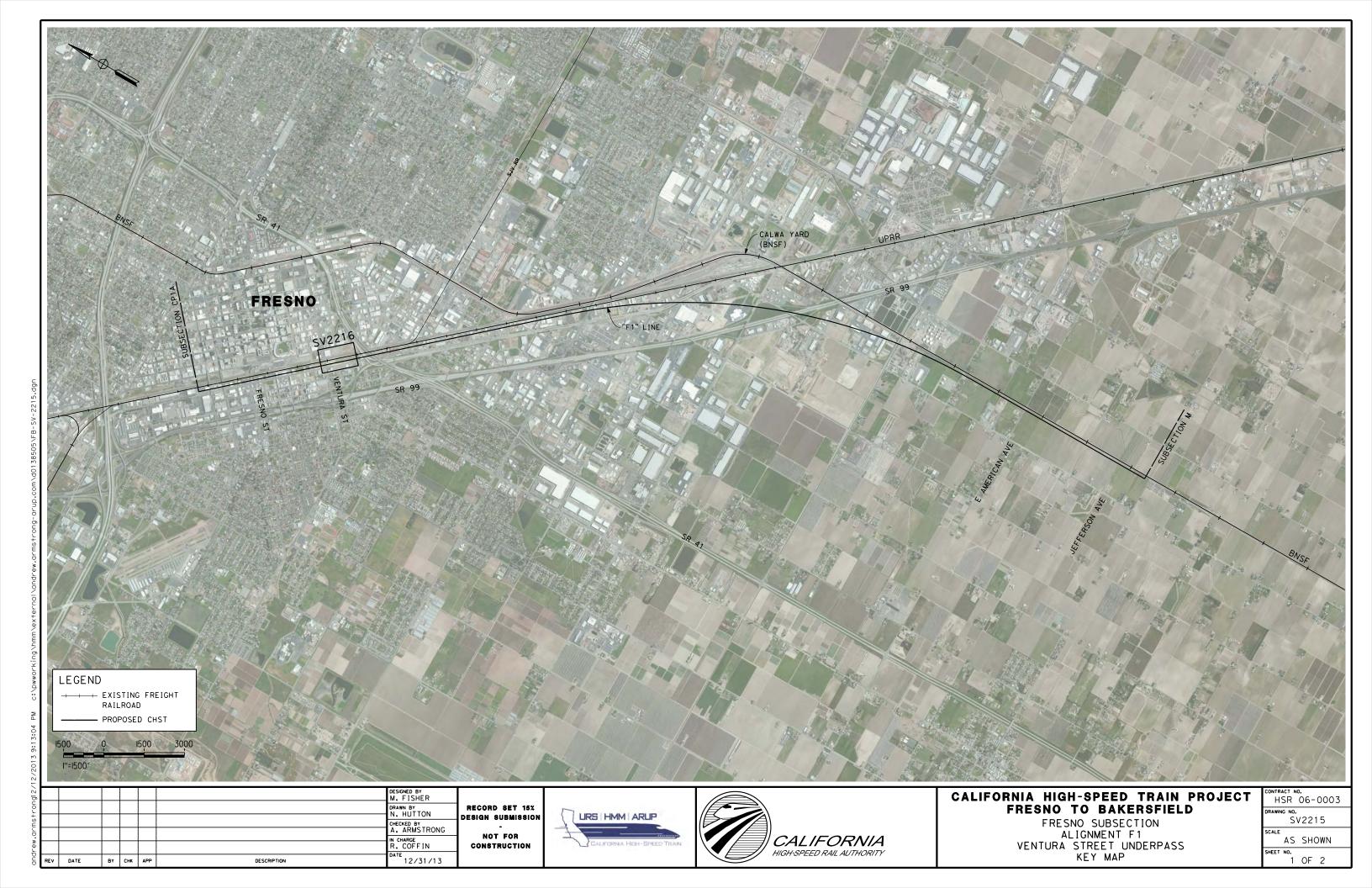
- (1) RETAINING WALL (TYPE TO BE DETERMINED)
- (2) BRIDGE CONTROL LINE (TO BE DETERMINED)

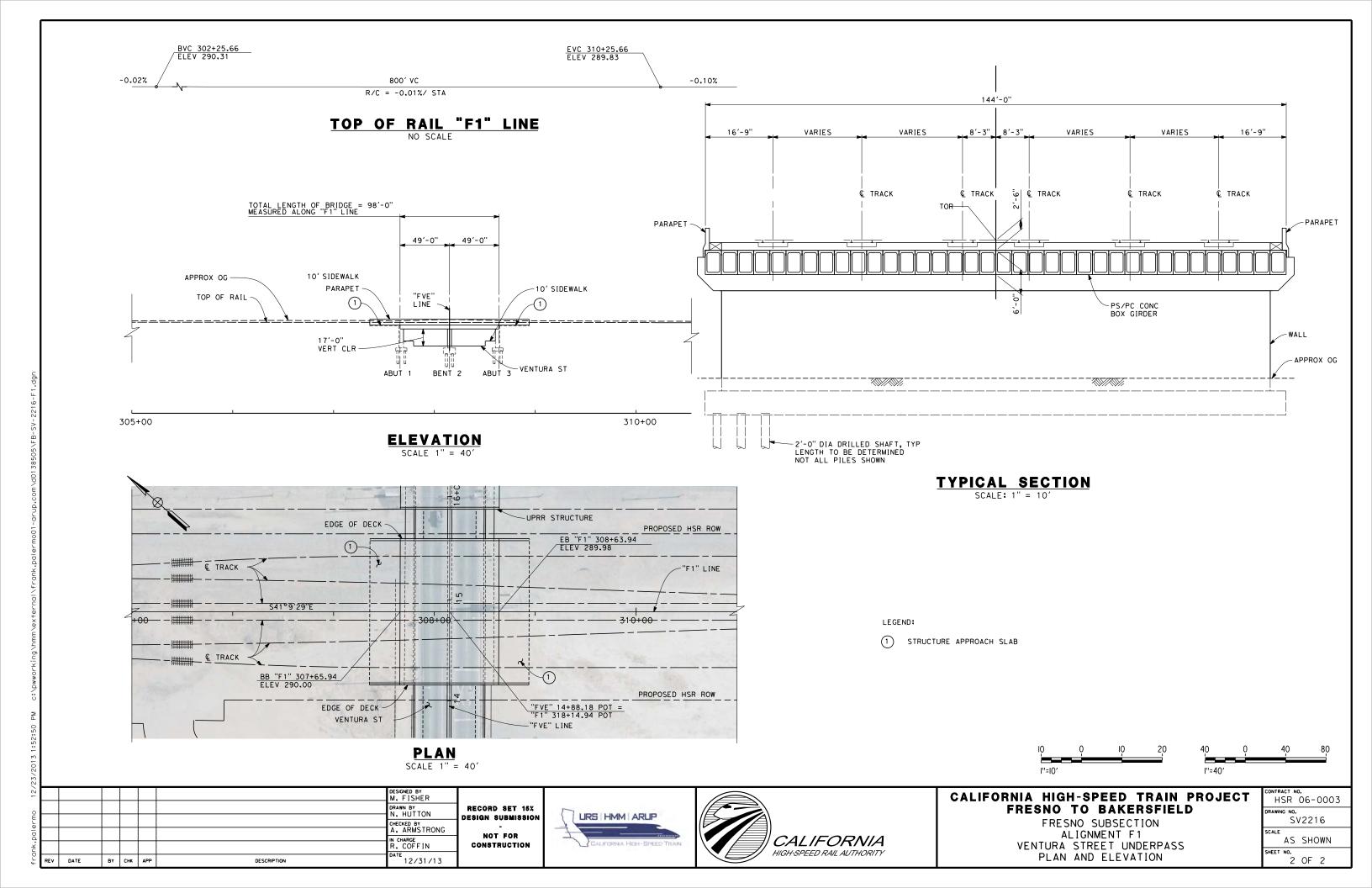


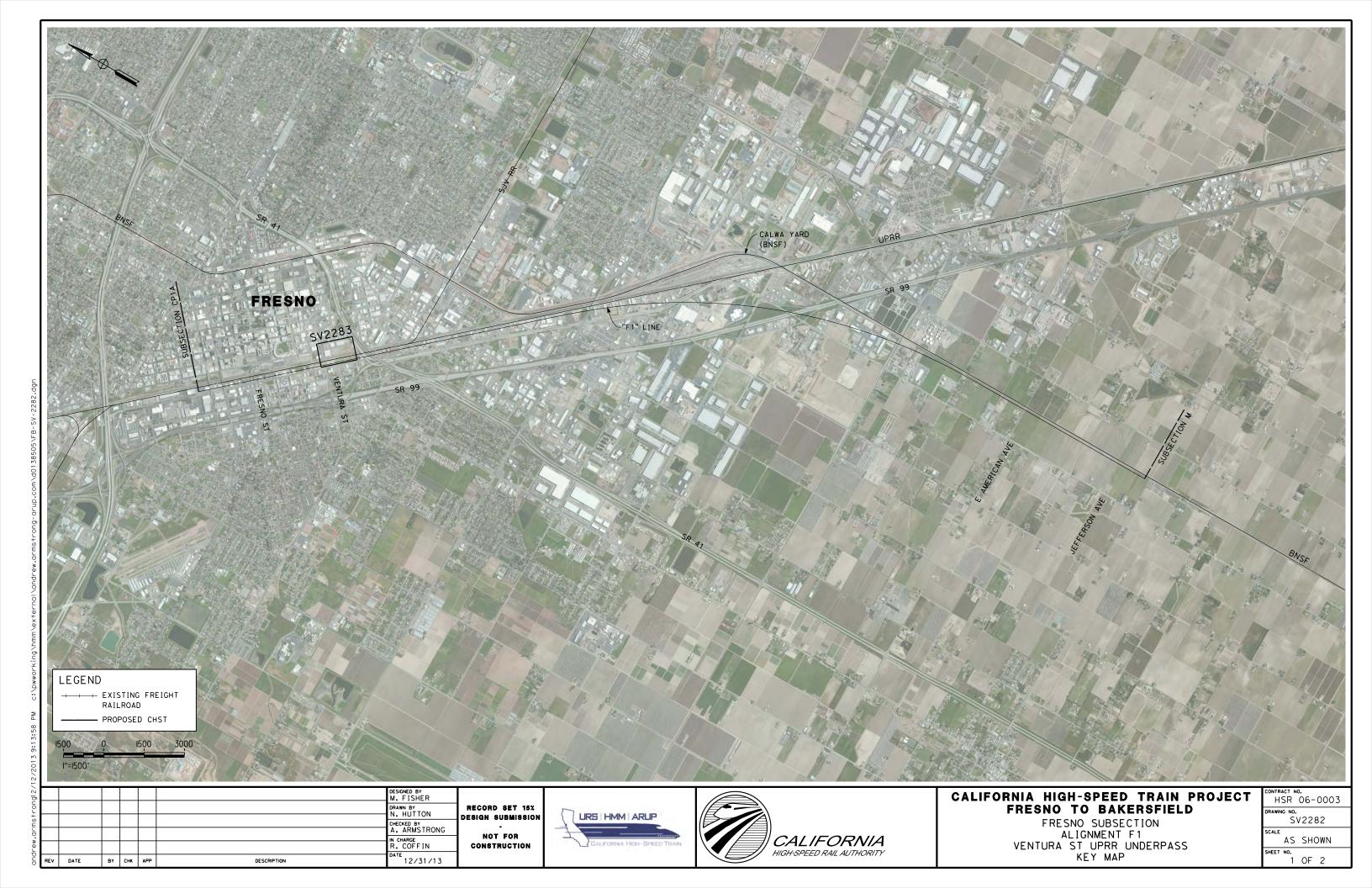
# CALIFORNIA HIGH-SPEED TRAIN PROJECT FRESNO TO BAKERSFIELD

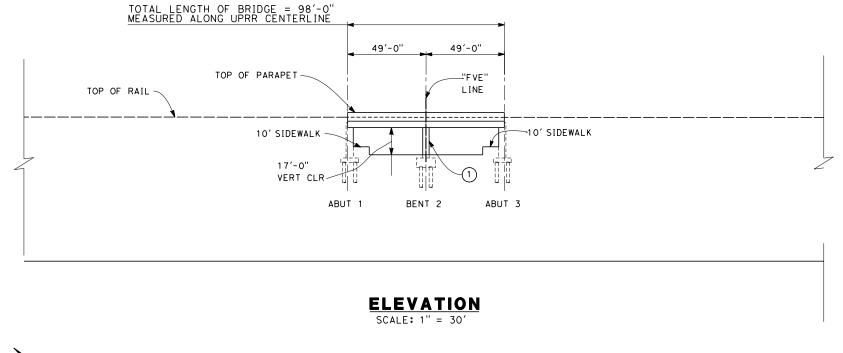
FRESNO SUBSECTION
ALIGNMENT F1
TULARE ST UPRR UNDERPASS
PLAN AND ELEVATION

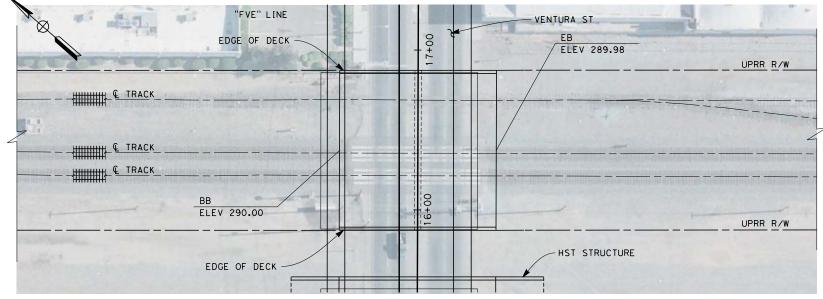
•	CONTRACT NO. HSR 06-0003				
	DRAWING NO. SV2281				
	SCALE				
	AS SHOWN				
	SHEET NO.				
	2 OF 2				











PLAN SCALE: 1" = 30' Q UPRR
98'-0"

17'-0"
33'-0"
14'-0"
32'-0"

C TRACK
C TRACK
C TRACK
STEEL GIRDER

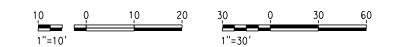
TYPICAL SECTION
SCALE: 1" = 10'

# NOTES:

- 1. ALL PILES NOT SHOWN
- 2. FOR MINIMUM VERTICAL CLEARANCES, HORIZONTAL CURVE DATA, AND DETAILS NOT SHOWN, SEE ROADWAY PLANS.

#### LEGEND:

1) PIER WALL



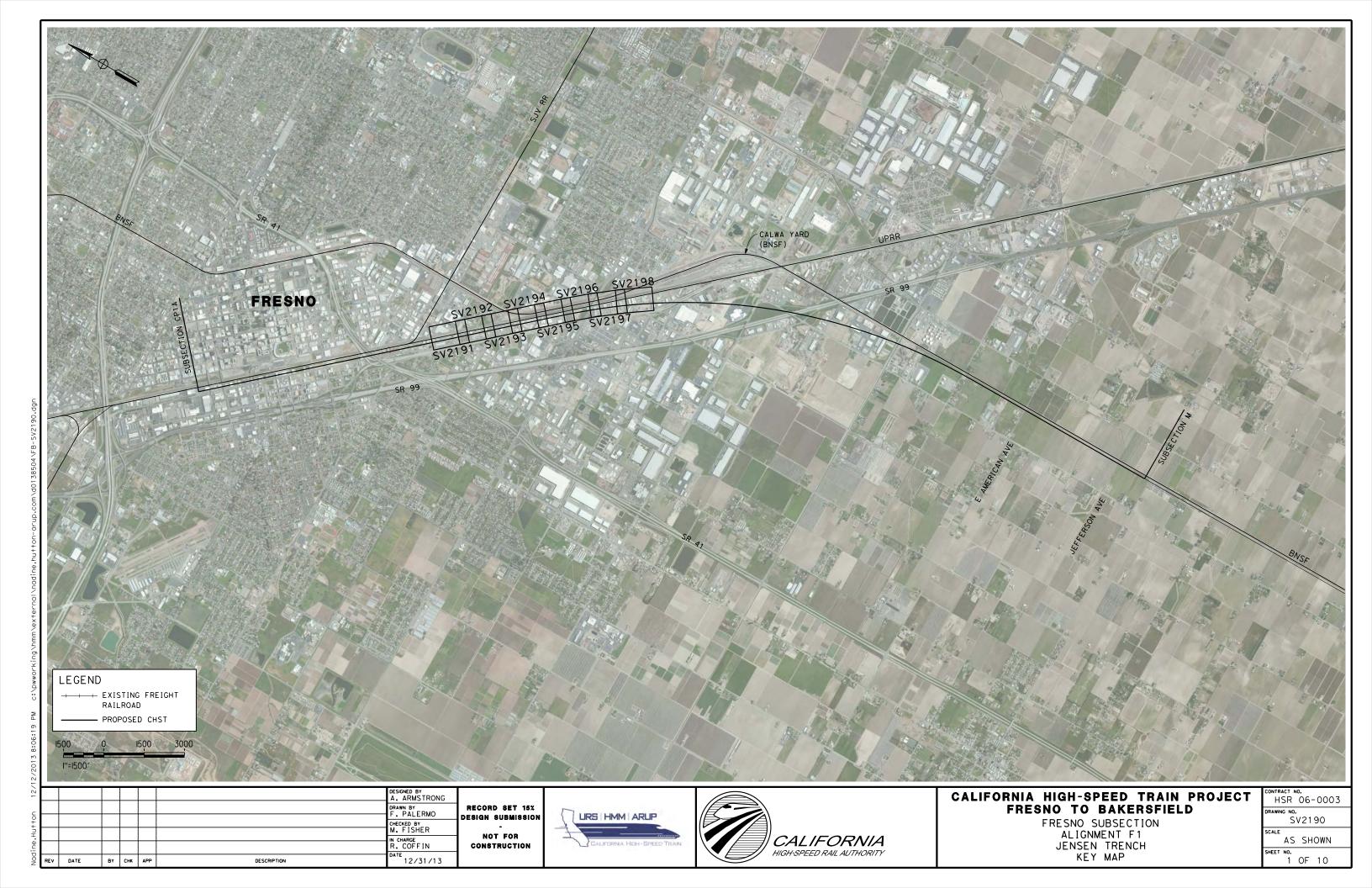




# CALIFORNIA HIGH-SPEED TRAIN PROJECT FRESNO TO BAKERSFIELD

FRESNO SUBSECTIO
ALIGNMENT F1
VENTURA ST UPRR UNDERPASS
PLAN AND ELEVATION

CONTRA				
HS	SR	06-	000	3
DRAWIN				
	S١	/228	33	
SCALE				
	AS	SHO	NWC	
SHEET	NO.			
	2	OF	2	



#### **PLAN** SCALE 1" = 40'

# CALIFORNIA HIGH-SPEED TRAIN PROJECT FRESNO TO BAKERSFIELD

FRESNO SUBSECTION ALIGNMENT F1 JENSEN TRENCH PLAN AND ELEVATION

T	CONTR		06-0003
	DRAWIN		V2191
	SCALE		
		AS	SHOWN
	CHEET	NO	

2 OF 10

DESIGNED BY M. FISHER DRAWN BY F. PALERMO DESIGN SUBMISSION CHECKED BY
A. ARMSTRONG N CHARGE R. COFFIN 03/19/14 DATE BY CHK APP DESCRIPTION

URS HMM ARUP

RECORD SET 15%

NOT FOR

CONSTRUCTION



<u>NOTES</u> BVC 402+78.75 ELEV 280.58 1. NOT ALL PILES SHOWN 2. PILE LENGTH TO BE -0.10% DETERMINED 3. SUPERSTRUCTURE CONSTRUCTION, UON SIMPLE SPANS - MSS OR FLPM CONTINUOUS SPANS - BCC - PRECAST TOP OF RAIL "F1" LINE - INSITU, SLID STEEL TRUSS OR LAUNCHED ELEVATED SLABS - PC BEAM AND INSITU SLAB TOTAL LENGTH OF TRENCH = 6760'-0" 4. UTILITY LOCATIONS TO BE DETERMINED 5. ACCESS STAIRWAYS ARE PROVIDED AT SYSTEMS SITES (APPROX. 2.5 MILE INTERVALS). MATCH LINE DRAWING NO. SV2193 LADDER ACCESS TO VIADUCTS IS PROVIDED AT 2500 FT INTERVALS WITH ACCESS ROAD AND TURNING CIRCLE WHERE NECESSARY. RETAINING WALL EXPANSION JOINT (TYP) APPROX OG -TOP OF RAIL -TRENCH SLAB FUTURE FMFCD STORM DRAIN DATUM ELEV = 200.00 365+00 360+00 **ELEVATION** SCALE 1" = 40' LEGEND: 1) STRUCTURE APPROACH SLAB EDGE OF 2 RETAINING WALL RAILROAD AVE CLOSED -TRENCH BASE SLAB -\* ESTIMATED 100-YEAR FLOOD TRENCH RETAINING WALL -ELEVATION. SEE "FRESNO TO € TRACK -PROPOSED HSR ROW BAKERSFIELD CORRIDOR "F1" LINE SECTION AND A HYDROLOGY, HYDRAULICS AND DRAINAGE 15% DRAFT REPORT". MATCH L DRAWING NO. C TRACK -TRENCH RETAINING WALL PROPOSED HSR ROW EDGE OF TRENCH BASE SLAB E BELGRAVIA AVE CLOSED -PLAN SCALE 1" = 40' DESIGNED BY M. FISHER CALIFORNIA HIGH-SPEED TRAIN PROJECT HSR 06-0003 DRAWN BY F. PALERMO RECORD SET 15% FRESNO TO BAKERSFIELD URS HMM ARUP DESIGN SUBMISSION SV2192 FRESNO SUBSECTION CHECKED BY
A. ARMSTRONG ALIGNMENT F1 NOT FOR CALIFORNIA CHARGE AS SHOWN JENSEN TRENCH CONSTRUCTION HIGH-SPEED RAIL AUTHORITY PLAN AND ELEVATION 3 OF 10 12/31/13 DATE BY CHK APP DESCRIPTION

**NOTES** BVC 402+78.75 ELEV 280.58 1. NOT ALL PILES SHOWN 2. PILE LENGTH TO BE -0.10% DETERMINED 3. SUPERSTRUCTURE CONSTRUCTION, UON SIMPLE SPANS - MSS OR FLPM CONTINUOUS SPANS - BCC - PRECAST TOP OF RAIL "F1" LINE IN-SITU - INSITU, SLID STEEL TRUSS OR LAUNCHED ELEVATED SLABS - PC BEAM AND INSITU SLAB TOTAL LENGTH OF TRENCH = 6760'-0" 4. UTILITY LOCATIONS TO BE DETERMINED 5. ACCESS STAIRWAYS ARE PROVIDED AT SYSTEMS SITES (APPROX. 2.5 MILE INTERVALS). LADDER ACCESS TO VIADUCTS IS MATCH LINE DRAWING NO. SV2194 PROVIDED AT 2500 FT INTERVALS E CHURCH AVE WITH ACCESS ROAD AND TURNING TRENCH CIRCLE WHERE NECESSARY. RETAINING WALL EXPANSION JOINT (TYP) TITITI -FEMA DESIGNATED 100 YEAR FLOOD LEVEL TOP OF RAIL ~ APPROX OG -31'-0" VERT CLR WATER LINE -GAS LINE DIVERTED INTO NEW BRIDGE DIVERTED INTO NEW BRIDGE TRENCH SLAB 84" STORM DRAIN --30" SEWER LINE DATUM ELEV = 200.00 370+00 375+00 **ELEVATION** SCALE 1" = 40' LEGEND: DRAINAGE DETENTION BASIN 1) STRUCTURE APPROACH SLAB RAILROAD AVE CLOSED -2 RETAINING WALL TRENCH BASE SLAB -\* ESTIMATED 100-YEAR FLOOD TRENCH RETAINING WALL ELEVATION. SEE "FRESNO TO PROPOSED HSR ROW € TRACK BAKERSFIELD CORRIDOR "F1" LINE DESIGN OF C 10.1 HYDROLOGY, HYDRAULICS AND DRAINAGE 15% DRAFT REPORT". S 41°09′29" 375+00 PROPOSED HSR ROW TRENCH RETAINING WALL & TRACK -EDGE OF TRENCH BASE SLAB PLAN SCALE 1" = 40' DESIGNED BY M. FISHER CALIFORNIA HIGH-SPEED TRAIN PROJECT HSR 06-0003 DRAWN BY F. PALERMO RECORD SET 15% FRESNO TO BAKERSFIELD DESIGN SUBMISSION URS HMM ARUP SV2193 FRESNO SUBSECTION CHECKED BY
A. ARMSTRONG ALIGNMENT F1 NOT FOR **CALIFORNIA** CHARGE AS SHOWN JENSEN TRENCH CONSTRUCTION HIGH-SPEED RAIL AUTHORITY PLAN AND ELEVATION 4 OF 10 12/31/13 DATE BY CHK APP DESCRIPTION

<u>NOTES</u> 1. NOT ALL PILES SHOWN 2. PILE LENGTH TO BE DETERMINED -0.10% 3. SUPERSTRUCTURE CONSTRUCTION, UON SIMPLE SPANS - MSS OR FLPM CONTINUOUS SPANS - BCC - PRECAST TOP OF RAIL "F1" LINE - INSITU, SLID STEEL TRUSS OR LAUNCHED ELEVATED SLABS - PC BEAM AND INSITU SLAB TOTAL LENGTH OF TRENCH = 6760'-0" 4. UTILITY LOCATIONS TO BE DETERMINED 5. ACCESS STAIRWAYS ARE PROVIDED AT SYSTEMS SITES (APPROX. 2.5 MILE INTERVALS). LADDER ACCESS TO VIADUCTS IS PROVIDED AT 2500 FT INTERVALS WITH ACCESS ROAD AND TURNING -TRENCH RETAINING WALL CIRCLE WHERE NECESSARY. MATCH LI DRAWING NO. 3 EXPANSION FEMA DESIGNATED
100 YEAR FLOOD LEVEL JOINT (TYP) TOP OF RAIL -APPROX OG -\_\_\_\_\_ TRENCH SLAB DATUM ELEV = 200.00 380+00 385+00 **ELEVATION** SCALE 1" = 40' LEGEND: DRAINAGE DETENTION BASIN 1) STRUCTURE APPROACH SLAB RAILROAD AVE CLOSED 2 RETAINING WALL \* ESTIMATED 100-YEAR FLOOD EDGE OF TRENCH BASE SLAB ELEVATION. SEE "FRESNO TO € TRACK -TRENCH BAKERSFIELD CORRIDOR RETAINING WALL TS "F1" 381+99.04 HYDROLOGY, HYDRAULICS AND DRAINAGE 15% DRAFT REPORT". TRENCH RETAINING WALL PROPOSED HSR ROW ACCESS STAIRS EDGE OF TRENCH BASE SLAB Bul. S EAST AVE CLOSED -PLAN SCALE 1" = 40' DESIGNED BY M.FISHER CALIFORNIA HIGH-SPEED TRAIN PROJECT HSR 06-0003 DRAWN BY F. PALERMO RECORD SET 15% FRESNO TO BAKERSFIELD DESIGN SUBMISSION URS HMM ARUP SV2194 FRESNO SUBSECTION CHECKED BY
A. ARMSTRONG ALIGNMENT F1 NOT FOR **CALIFORNIA** CHARGE AS SHOWN JENSEN TRENCH CONSTRUCTION HIGH-SPEED RAIL AUTHORITY PLAN AND ELEVATION 5 OF 10 12/31/13 DATE BY CHK APP DESCRIPTION

<u>NOTES</u> 1. NOT ALL PILES SHOWN 2. PILE LENGTH TO BE -0.10% DETERMINED 3. SUPERSTRUCTURE CONSTRUCTION, UON SIMPLE SPANS - MSS OR FLPM CONTINUOUS SPANS - BCC - PRECAST TOP OF RAIL "F1" LINE IN-SITU - INSITU, SLID STEEL TRUSS OR LAUNCHED ELEVATED SLABS - PC BEAM AND INSITU SLAB TOTAL LENGTH OF TRENCH = 6760'-0" 4. UTILITY LOCATIONS TO BE DETERMINED 5. ACCESS STAIRWAYS ARE PROVIDED AT SYSTEMS SITES (APPROX. 2.5 MILE INTERVALS). LADDER ACCESS TO VIADUCTS IS MATCH LINE DRAWING NO. SV2196 PROVIDED AT 2500 FT INTERVALS WITH ACCESS ROAD AND TURNING TRENCH RETAINING WALL CIRCLE WHERE NECESSARY. EXPANSION -FEMA DESIGNATED 100 YEAR FLOOD LEVEL JOINT (TYP) APPROX OG-TOP OF RAIL -\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ FLOODWATER EQUALIZATION SIPHON TRENCH SLAB DATUM ELEV = 200.00 390+00 395+00 **ELEVATION** SCALE 1" = 40' LEGEND: 1) STRUCTURE APPROACH SLAB DRAINAGE DETENTION BASIN PROPOSED HSR ROW 2 RETAINING WALL \* ESTIMATED 100-YEAR FLOOD FLOODWATER EQUALIZATION SIPHON ELEVATION. SEE "FRESNO TO E TRACK BAKERSFIELD CORRIDOR RETAINING WALL TRENCH BASE SLAB "F1" LINE HYDROLOGY, HYDRAULICS AND DRAINAGE 15% DRAFT REPORT". HO No. TRENCH RETAINING WALL -& TRACK -EDGE OF TRENCH BASE SLAB-100 B PLAN SCALE 1" = 40' DESIGNED BY M. FISHER CALIFORNIA HIGH-SPEED TRAIN PROJECT HSR 06-0003 DRAWN BY F. PALERMO RECORD SET 15% FRESNO TO BAKERSFIELD DESIGN SUBMISSION URS HMM ARUP SV2195 FRESNO SUBSECTION CHECKED BY
A. ARMSTRONG ALIGNMENT F1

**CALIFORNIA** 

HIGH-SPEED RAIL AUTHORITY

AS SHOWN

6 OF 10

JENSEN TRENCH

PLAN AND ELEVATION

NOT FOR

CONSTRUCTION

CHARGE

BY CHK APP

DESCRIPTION

12/31/13

<u>NOTES</u> BVC 402+78.75 ELEV 280.58 EVC 431+78.75 ELEV 301.60 1. NOT ALL PILES SHOWN -0.10% 2. PILE LENGTH TO BE DETERMINED 3. SUPERSTRUCTURE CONSTRUCTION, UON SIMPLE SPANS - MSS OR FLPM CONTINUOUS SPANS - BCC - PRECAST TOP OF RAIL "F1" LINE - INSITU, SLID STEEL TRUSS OR LAUNCHED ELEVATED SLABS - PC BEAM AND INSITU SLAB TOTAL LENGTH OF TRENCH = 6760'-0" 4. UTILITY LOCATIONS TO BE DETERMINED 5. ACCESS STAIRWAYS ARE PROVIDED AT SYSTEMS SITES (APPROX. 2.5 MILE INTERVALS). LADDER ACCESS TO VIADUCTS IS PROVIDED AT 2500 FT INTERVALS WITH ACCESS ROAD AND TURNING CIRCLE WHERE NECESSARY. TRENCH RETAINING WALL MATCH LI DRAWING NO. 3 EXPANSION FEMA DESIGNATED 100 YEAR FLOOD LEVEL TOP OF RAIL -JOINT (TYP) APPROX OG ~ TRENCH SLAB DRAINAGE SUMP AND ACCESS STAIRS DATUM ELEV = 200.00 400+00 405+00 **ELEVATION** SCALE 1" = 40' LEGEND: 1) STRUCTURE APPROACH SLAB DETENTION BASIN --RAILROAD AVE EDGE OF TRENCH BASE SLAB 2 RETAINING WALL \* ESTIMATED 100-YEAR FLOOD TRENCH RETAINING WALL -ELEVATION. SEE "FRESNO TO € TRACK PROPOSED HSR ROW BAKERSFIELD CORRIDOR "F1" LINE HYDROLOGY, HYDRAULICS AND DRAINAGE 15% DRAFT REPORT". MATCH LINE DRAWING NO. SV2 <del>400</del>+00 TRENCH RETAINING WALL © TRACK PROPOSED HSR ROW DRAINAGE SUMP AND ACCESS STAIRS EDGE OF TRENCH BASE SLAB **PLAN** SCALE 1" = 40' DESIGNED BY M. FISHER CALIFORNIA HIGH-SPEED TRAIN PROJECT HSR 06-0003 F. PALERMO RECORD SET 15% FRESNO TO BAKERSFIELD DESIGN SUBMISSION URS HMM ARUP SV2196 FRESNO SUBSECTION CHECKED BY
A. ARMSTRONG ALIGNMENT F1 NOT FOR CHARGE **CALIFORNIA** AS SHOWN JENSEN TRENCH CONSTRUCTION HIGH-SPEED RAIL AUTHORITY PLAN AND ELEVATION 7 OF 10 12/31/13 DATE BY CHK APP DESCRIPTION

<u>NOTES</u> EVC 431+78.75 ELEV 301.60 BVC 402+78.75 ELEV 280.58 1. NOT ALL PILES SHOWN 1.55% 2. PILE LENGTH TO BE -0.10% 2900' VC R/C = +0.057%/STA DETERMINED 3. SUPERSTRUCTURE CONSTRUCTION, UON SIMPLE SPANS - MSS OR FLPM CONTINUOUS SPANS - BCC - PRECAST TOP OF RAIL "F1" LINE IN-SITU - INSITU, SLID STEEL TRUSS OR LAUNCHED ELEVATED SLABS - PC BEAM AND INSITU SLAB TOTAL LENGTH OF TRENCH = 6760'-0" 4. UTILITY LOCATIONS TO BE DETERMINED 5. ACCESS STAIRWAYS ARE PROVIDED AT SYSTEMS SITES (APPROX. 2.5 MILE INTERVALS). © E JENSEN AVE (EXISTING ROADWAY) LADDER ACCESS TO VIADUCTS IS MATCH LINE DRAWING NO. SV2198 PROVIDED AT 2500 FT INTERVALS WITH ACCESS ROAD AND TURNING CIRCLE WHERE NECESSARY. TRENCH RETAINING WALL -APPROX OG TOP OF RAIL -MIN VERT CLR 24'-11" TRENCH SLAB -48" SEWER LINE DIVERTED INTO TWIN PIPES -FUTURE STORM DRAIN (NIC) DATUM ELEV = 200.00 ~ 410+00 415+00 **ELEVATION** SCALE 1" = 40' LEGEND: 1) STRUCTURE APPROACH SLAB -RAILROAD AVE CLOSED EDGE OF TRENCH BASE SLAB 2 RETAINING WALL TRENCH RETAINING WALL -\* ESTIMATED 100-YEAR FLOOD ELEVATION. SEE "FRESNO TO PROPOSED HSR ROW BAKERSFIELD CORRIDOR "F1" LINE -HYDROLOGY, HYDRAULICS AND DRAINAGE 15% DRAFT REPORT". SC "F1" 411+99.04 PROPOSED HSR ROW RETAINING WALL EDGE OF TRENCH BASE SLAB **PLAN** SCALE 1" = 40' DESIGNED BY M. FISHER CALIFORNIA HIGH-SPEED TRAIN PROJECT HSR 06-0003 DRAWN BY F. PALERMO RECORD SET 15% FRESNO TO BAKERSFIELD DESIGN SUBMISSION URS HMM ARUP SV2197 FRESNO SUBSECTION CHECKED BY
A. ARMSTRONG ALIGNMENT F1 NOT FOR **CALIFORNIA** CHARGE AS SHOWN CONSTRUCTION JENSEN TRENCH HIGH-SPEED RAIL AUTHORITY PLAN AND ELEVATION 03/19/14 8 OF 10 DATE BY CHK APP DESCRIPTION

EVC 431+78.75 ELEV 301.60 <u>NOTES</u> BVC 402+78.75 ELEV 280.58 1. NOT ALL PILES SHOWN 2. PILE LENGTH TO BE DETERMINED 3. SUPERSTRUCTURE CONSTRUCTION, UON SIMPLE SPANS - MSS OR FLPM CONTINUOUS SPANS - BCC - PRECAST TOP OF RAIL "F1" LINE

NO SCALE - INSITU, SLID STEEL TRUSS OR LAUNCHED ELEVATED SLABS - PC BEAM AND INSITU SLAB TOTAL LENGTH OF TRENCH = 6760'-0" 4. UTILITY LOCATIONS TO BE DETERMINED -END CONCRETE TRENCH 5. ACCESS STAIRWAYS ARE PROVIDED AT SYSTEMS SITES (APPROX. 2.5 MILE INTERVALS). LADDER ACCESS TO VIADUCTS IS PROVIDED AT 2500 FT INTERVALS WITH ACCESS ROAD AND TURNING EXPANSION CIRCLE WHERE NECESSARY. RETAINING WALL JOINT, TYP. -TOP OF RAIL APPROX OG TRENCH SLAB GAS LINE DIVERTED UNDER TRENCH DATUM ELEV = 200.00 420+00 425+00 **ELEVATION** SCALE 1" = 40' LEGEND: 1) STRUCTURE APPROACH SLAB 2 RETAINING WALL EDGE OF TRENCH BASE SLAB \* ESTIMATED 100-YEAR FLOOD PROPOSED HSR ROW TRENCH ELEVATION, SEE "FRESNO TO C TRACK -RETAINING WALL BAKERSFIELD CORRIDOR "F1" LINE HYDROLOGY, HYDRAULICS AND END CONCRETE TRENCH STA 424+24.66 DRAINAGE 15% DRAFT REPORT". ELEV 291.53 425+00 RETAINING WALL TRENCH BASE SLAB **PLAN** SCALE 1" = 40' DESIGNED BY M. FISHER CALIFORNIA HIGH-SPEED TRAIN PROJECT HSR 06-0003 DRAWN BY F. PALERMO RECORD SET 15% FRESNO TO BAKERSFIELD DESIGN SUBMISSION URS HMM ARUP SV2198 FRESNO SUBSECTION CHECKED BY
A. ARMSTRONG

CALIFORNIA

HIGH-SPEED RAIL AUTHORITY

NOT FOR

CONSTRUCTION

CHARGE

DATE

BY CHK APP

DESCRIPTION

03/19/14

ALIGNMENT F1

JENSEN TRENCH

PLAN AND ELEVATION

AS SHOWN

SECTION A
SCALE: 1" = 10'

Ng	REV	DATE	ВΥ	СНК	APP	DESCRIPTION	12/31/13	
Nadine.							IN CHARGE R. COFFIN	
++∩H.							CHECKED BY M. FISHER	
+01							DRAWN BY F. PALERMO	DE
12							DESIGNED BY A. ARMSTRONG	
/12								

RECORD SET 15%
DESIGN SUBMISSION
NOT FOR
CONSTRUCTION





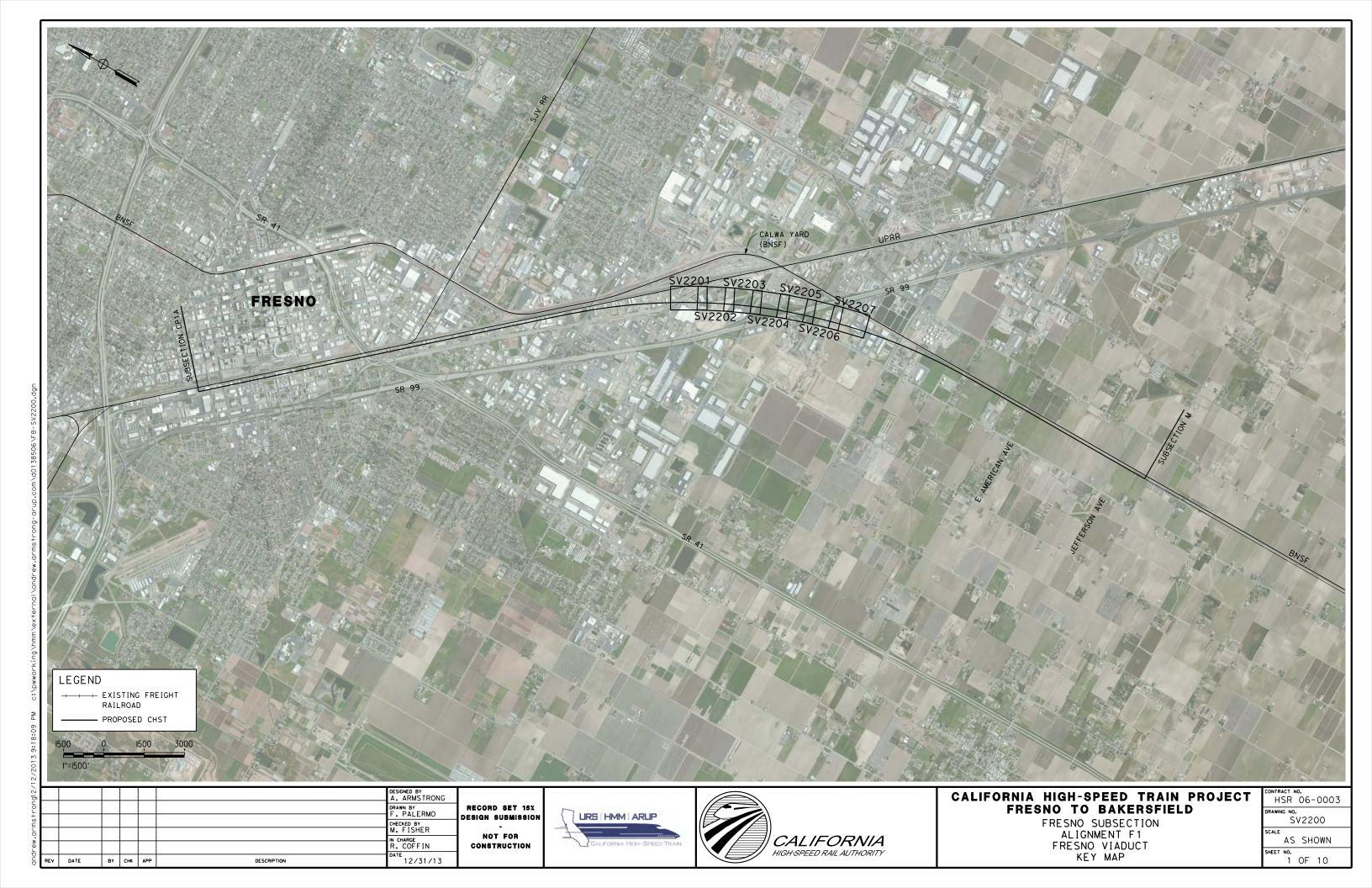
# CALIFORNIA HIGH-SPEED TRAIN PROJECT FRESNO TO BAKERSFIELD

FRSNO SUBSECTION
ALIGNMENT F1
JENSEN TRENCH
TYPICAL SECTIONS

Γ	HSR 06-0003
	DRAWING NO. SV2199
	SCALE A C CLIOWNI

SHEET NO. 10 OF 10

PM C:\Dwworking\bmm\ex+ernal\nadioe bi++on-ario com\dol38504\FR-6V219



<u>NOTES</u> BVC 445+15.88 /ELEV 322.33 1. NOT ALL PILES SHOWN EVC 431+78.75 /ELEV 301.60 2. PILE LENGTH TO BE DETERMINED 1.550 % 3. SUPERSTRUCTURE CONSTRUCTION, UON SIMPLE SPANS - MSS OR FLPM CONTINUOUS SPANS - BCC - PRECAST TOP OF RAIL "F1" LINE IN-SITU - INSITU, SLID STEEL TRUSS OR LAUNCHED ELEVATED SLABS - PC BEAM AND INSITU SLAB TOTAL LENGTH OF BRIDGE = 6393'-0" (MEASURED ALONG "F1" LINE) STEEL TRUSS STRUCTURE 4. UTILITY LOCATIONS TO BE DETERMINED 315'-0" 120'-0" 120'-0" 120'-0" 120'-0" 5. ACCESS STAIRWAYS ARE PROVIDED AT SYSTEMS SITES (APPROX. 2.5 MILE INTERVALS). INE SV2202 LADDER ACCESS TO VIADUCTS IS EXPANSION TOP OF RAIL PROVIDED AT 2500 FT INTERVALS - PARAPET (TYP) JOINT (TYP) RETAINED EMBANKMENT WITH ACCESS ROAD AND TURNING CIRCLE WHERE NECESSARY. MATCH L DRAWING NO. MSE WALL GOLDEN STATE BLVD 16'-11" VERT CLI APPROX OG ABUT 1 BENT 2 BENT 3 BENT 4 BENT 5 DATUM ELEV = 200.00 -440+00 445+00 **ELEVATION** SCALE 1" = 40' LEGEND: 1) STRUCTURE APPROACH SLAB 2 RETAINING WALL \* ESTIMATED 100-YEAR FLOOD ELEVATION. SEE "FRESNO TO BB "F1" 439+40.47 EDGE OF GUIDEWAY DECK BAKERSFIELD CORRIDOR ELEV 313.41 PROPOSED HSR ROW HYDROLOGY, HYDRAULICS AND € TRACK -DRAINAGE 15% DRAFT REPORT". CURVE DATA  $\langle 1 \rangle$ R = 21297 $\Delta = 34^{\circ}17'38''$ € TRACK PILE CAP, TYP T = 6571PROPOSED HSR ROW L = 12747GUIDEWAY DECK -DIVERTED FRESNO-COLONY CANAL **PLAN** SCALE 1" = 40' DESIGNED BY M. FISHER CALIFORNIA HIGH-SPEED TRAIN PROJECT HSR 06-0003 DRAWN BY F. PALERMO RECORD SET 15% FRESNO TO BAKERSFIELD DESIGN SUBMISSION URS HMM ARUP

**CALIFORNIA** 

HIGH-SPEED RAIL AUTHORITY

CHECKED BY
A. ARMSTRONG

12/31/13

CHARGE

DATE

BY CHK APP

DESCRIPTION

NOT FOR

CONSTRUCTION

ISR 06-0003

NG NO.

SV2201

E

AS SHOWN

T NO.

2 OF 10

FRESNO SUBSECTION

ALIGNMENT F1

FRESNO VIADUCT

PLAN AND ELEVATION

- 1) STRUCTURE APPROACH SLAB
  - ELEVATION. SEE "FRESNO TO BAKERSFIELD CORRIDOR HYDROLOGY, HYDRAULICS AND DRAINAGE 15% DRAFT REPORT".

IN-SITU

- INSITU, SLID

OR LAUNCHED

INSITU SLAB

#### CURVE DATA

R = 21297 $\Delta = 34^{\circ}17'38''$ 

T = 6571

L = 12747

PLAN SCALE 1" = 40'

REALIGNED FRESNO COLONY CANAL

URS HMM ARUP

EDGE OF

DESIGNED BY M. FISHER

DRAWN BY F. PALERMO

CHARGE

CHECKED BY
A. ARMSTRONG

12/31/13

EXISTING FRESNO COLONY CANAL

RECORD SET 15%

DESIGN SUBMISSION

NOT FOR

CONSTRUCTION

E TRACK -

C TRACK -

DESCRIPTION

DATE

BY CHK APP



"F1" LINE

455+00

PILE CAP, TYP.

# CALIFORNIA HIGH-SPEED TRAIN PROJECT FRESNO TO BAKERSFIELD

PROPOSED HSR ROW

PROPOSED HSR ROW

FRESNO SUBSECTION ALIGNMENT F1 FRESNO VIADUCT PLAN AND ELEVATION

•	CONTRACT NO. HSR 06-0003
	DRAWING NO. SV2202
	AS SHOWN
	SHEET NO. 3 OF 10

<u>NOTES</u> BVC 445+15.88 ELEV 322.33 EVC 496+15.88 1. NOT ALL PILES SHOWN ELEV 328.10 2. PILE LENGTH TO BE DETERMINED 5100' VC R/C = -0.056% /STA3. SUPERSTRUCTURE CONSTRUCTION, UON - MSS OR FLPM SIMPLE SPANS CONTINUOUS SPANS - BCC - PRECAST TOP OF RAIL "F1" LINE IN-SITU - INSITU, SLID STEEL TRUSS OR LAUNCHED ELEVATED SLABS - PC BEAM AND INSITU SLAB TOTAL LENGTH OF BRIDGE = 6393'-0" (MEASURED ALONG "F1" LINE) 4. UTILITY LOCATIONS TO BE 120'-0" 120'-0" 100'-0" 100'-0" 120'-0" 100'-0" 108'-0" 120'-0" 120'-0" 120'-0" DETERMINED 5. ACCESS STAIRWAYS ARE PROVIDED AT SYSTEMS SITES (APPROX. 2.5 MILE INTERVALS). EXPANSION JOINT, TYP. TOP OF PARAPET TOP OF RAIL LADDER ACCESS TO VIADUCTS IS PROVIDED AT 2500 FT INTERVALS WITH ACCESS ROAD AND TURNING CIRCLE WHERE NECESSARY. MATCH LI DRAWING NO. - ACCESS STAIRS 39'-0" VERT CLR E HARDY 74 AVE APPROX OG BENT 16 BENT 15 BENT 17 BENT 18 BENT 19 BENT 20 BENT 21 BENT 22 BENT 23 DATUM ELEV = 200.00 460+00 465+00 **ELEVATION** SCALE 1" = 40' LEGEND: 1) STRUCTURE APPROACH SLAB BENT 16 STA. 459+03.97 BENT 22 STA: 465+51.97 2 RETAINING WALL \* ESTIMATED 100-YEAR FLOOD COLUMN PROTECTION -ELEVATION. SEE "FRESNO TO EDGE OF BAKERSFIELD CORRIDOR 1 GUIDEWAY DECK "F1" LINE -E TRACK -HYDROLOGY, HYDRAULICS AND PROPOSED HSR ROW DRAINAGE 15% DRAFT REPORT". CURVE DATA  $\langle 1 \rangle$ R = 21297 $\Delta = 34^{\circ}17'38''$ T = 6571PROPOSED HSR ROW € TRACK ~ GUIDEWAY DECK L = 12747PROTECTION ACCESS STAIRS - ACCESS REALIGNED PLAN SCALE 1" = 40' DESIGNED BY M. FISHER CALIFORNIA HIGH-SPEED TRAIN PROJECT HSR 06-0003 DRAWN BY F. PALERMO RECORD SET 15% FRESNO TO BAKERSFIELD DESIGN SUBMISSION URS HMM ARUP SV2203 FRESNO SUBSECTION CHECKED BY
A. ARMSTRONG ALIGNMENT F1 NOT FOR **CALIFORNIA** CHARGE AS SHOWN FRESNO VIADUCT CONSTRUCTION HIGH-SPEED RAIL AUTHORITY

12/31/13

DATE

BY CHK APP

DESCRIPTION

PLAN AND ELEVATION

<u>NOTES</u> BVC 445+15.88 ELEV 322.33 EVC 496+15.88 1. NOT ALL PILES SHOWN ELEV 328.10 2. PILE LENGTH TO BE DETERMINED 5100' VC R/C = -0.056% /STA3. SUPERSTRUCTURE CONSTRUCTION, UON SIMPLE SPANS - MSS OR FLPM CONTINUOUS SPANS - BCC - PRECAST TOP OF RAIL "F1" LINE IN-SITU - INSITU, SLID STEEL TRUSS OR LAUNCHED ELEVATED SLABS - PC BEAM AND INSITU SLAB TOTAL LENGTH OF BRIDGE = 6393'-0" (MEASURED ALONG "F1" LINE) 4. UTILITY LOCATIONS TO BE 120'-0" 120'-0" 120'-0" 120'-0" 120'-0" 120'-0" 120'-0" 120'-0" 120'-0" DETERMINED 5. ACCESS STAIRWAYS ARE PROVIDED AT SYSTEMS SITES EXPANSION (APPROX. 2.5 MILE INTERVALS). TOP OF RAIL TOP OF PARAPET JOINT, TYP. LADDER ACCESS TO VIADUCTS IS PROVIDED AT 2500 FT INTERVALS WITH ACCESS ROAD AND TURNING CIRCLE WHERE NECESSARY. MATCH LI DRAWING NO. 38'-7" ± VERT CLR E. NORTH AVE. 7---APPROX OG BENT 25 BENT 26 BENT 27 BENT 28 BENT 29 BENT 30 BENT 31 BENT 24 DATUM ELEV = 200.00 470+00 475+00 **ELEVATION** SCALE 1" = 40' LEGEND: 1) STRUCTURE APPROACH SLAB BENT 26 STA. 470+31.97 BENT 28 STA. 472+71.97 2 RETAINING WALL \* ESTIMATED 100-YEAR FLOOD ELEVATION. SEE "FRESNO TO BAKERSFIELD CORRIDOR EDGE OF GUIDEWAY DECK HYDROLOGY, HYDRAULICS AND E TRACK -"F1" LINE -PROPOSED HSR ROW DRAINAGE 15% DRAFT REPORT". RADIUS = 21296.75 CURVE DATA 470+00  $\langle 1 \rangle$ R = 21297I EDGE OF GUIDEWAY DECK-E TRACK PILE CAP, TYP. PROPOSED HSR ROW  $\Delta = 34^{\circ}17'38''$ T = 6571L = 12747PLAN SCALE 1" = 40' DESIGNED BY M. FISHER CALIFORNIA HIGH-SPEED TRAIN PROJECT HSR 06-0003 DRAWN BY F. PALERMO RECORD SET 15% FRESNO TO BAKERSFIELD DESIGN SUBMISSION URS HMM ARUP SV2204 FRESNO SUBSECTION CHECKED BY
A. ARMSTRONG

**CALIFORNIA** 

HIGH-SPEED RAIL AUTHORITY

NOT FOR

CONSTRUCTION

CHARGE

DATE

BY CHK APP

DESCRIPTION

12/31/13

ALIGNMENT F1

FRESNO VIADUCT

PLAN AND ELEVATION

AS SHOWN

<u>NOTES</u> BVC 445+15.88 ELEV 322.33 EVC 496+15.88 1. NOT ALL PILES SHOWN ELEV 328.10 5100' VC R/C = -0.056% /STATOP OF RAIL "F1" LINE TOTAL LENGTH OF BRIDGE = 6393'-00" (MEASURED ALONG "F1" LINE) STEEL TRUSS STRUCTURE 120'-0" 355'-0" 245'-0" 125'-0" 250'-0" TOP OF RAIL TOP OF PARAPET EXPANSION

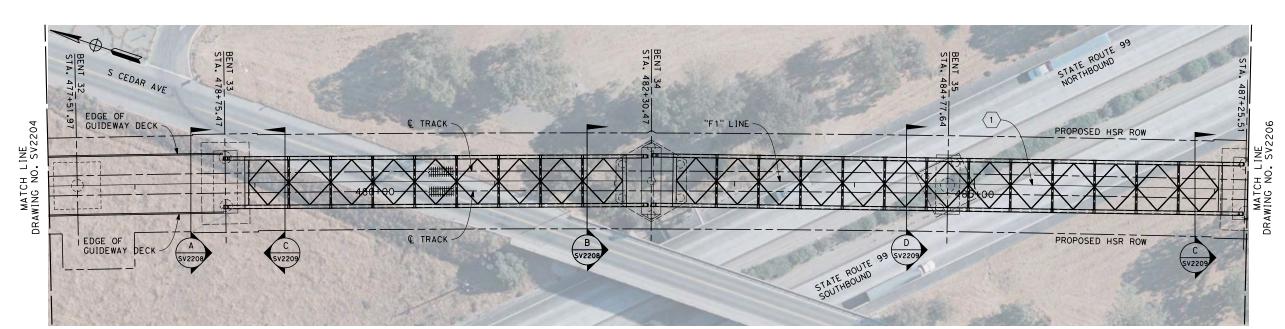
#### **ELEVATION** SCALE 1" = 40'

BENT 34

24'-9" ± VERT CLR

SOUTH CEDAR AVENUE

480+00



# PLAN SCALE 1" = 40'

40'-8" ± VERT CLR

NB STATE ROUTE 99

BENT 35

485+00

# LEGEND:

MATCH L DRAWING NO.

BENT 36

38'-2" ± VERT CLR

SB STATE ROUTE 99

- 1) STRUCTURE APPROACH SLAB
- 2 RETAINING WALL
- \* ESTIMATED 100-YEAR FLOOD ELEVATION. SEE "FRESNO TO BAKERSFIELD CORRIDOR HYDROLOGY, HYDRAULICS AND DRAINAGE 15% DRAFT REPORT".

#### CURVE DATA



R = 21297 $\Delta = 34^{\circ}17'38''$ 

T = 6571L = 12747

			M. FISHER	İ
			DRAWN BY	
			F. PALERMO	DI
			CHECKED BY	
			A. ARMSTRONG	ı
			IN CHARGE	ı
			R COFFIN	ı

DESCRIPTION

APPROX OG

BENT 32

BY CHK APP

DATUM ELEV = 200.00

BENT 33

RECORD SET 15% DESIGN SUBMISSION NOT FOR CONSTRUCTION

12/31/13





# CALIFORNIA HIGH-SPEED TRAIN PROJECT FRESNO TO BAKERSFIELD

FRESNO SUBSECTION ALIGNMENT F1 FRESNO VIADUCT PLAN AND ELEVATION

CONTRACT NO	),
HSR	06-0003
DRAWING NO.	
S۱	/2205
SCALE	
AS	SHOWN
	HSR DRAWING NO. S\ SCALE

6 OF 10

2. PILE LENGTH TO BE DETERMINED

SIMPLE SPANS

3. SUPERSTRUCTURE CONSTRUCTION, UON

CONTINUOUS SPANS - BCC - PRECAST IN-SITU - INSITU, SLID STEEL TRUSS

- MSS OR FLPM

OR LAUNCHED ELEVATED SLABS - PC BEAM AND INSITU SLAB

- 4. UTILITY LOCATIONS TO BE DETERMINED
- 5. ACCESS STAIRWAYS ARE PROVIDED AT SYSTEMS SITES (APPROX. 2.5 MILE INTERVALS). LADDER ACCESS TO VIADUCTS IS PROVIDED AT 2500 FT INTERVALS WITH ACCESS ROAD AND TURNING CIRCLE WHERE NECESSARY.

<u>NOTES</u> EVC 496+15.88 BVC 445+15.88 1. NOT ALL PILES SHOWN ELEV 322.33 ELEV 328.10 2. PILE LENGTH TO BE DETERMINED 5100' VC R/C = -0.056% /STA3. SUPERSTRUCTURE CONSTRUCTION, UON SIMPLE SPANS - MSS OR FLPM CONTINUOUS SPANS - BCC - PRECAST TOP OF RAIL "F1" LINE IN-SITU - INSITU, SLID STEEL TRUSS OR LAUNCHED ELEVATED SLABS - PC BEAM AND TOTAL LENGTH OF BRIDGE = 6393'-0" (MEASURED ALONG "F1" LINE) INSITU SLAB 4. UTILITY LOCATIONS TO BE 108'-0" 100'-0" 100'-0" 100'-0" 120'-0" 120'-0" 120'-0" 120'-0" 120'-0" DETERMINED 5. ACCESS STAIRWAYS ARE PROVIDED AT SYSTEMS SITES (APPROX. 2.5 MILE INTERVALS). TOP OF RAIL -TOP OF PARAPET LADDER ACCESS TO VIADUCTS IS EXPANSION PROVIDED AT 2500 FT INTERVALS JOINT, TYP. WITH ACCESS ROAD AND TURNING CIRCLE WHERE NECESSARY. MATCH L DRAWING NO. 21'-3" ± VERT CLR ~ \_ \_ \_ SR99 SOUTHBOUND -CANAL ON RAMP 77 APPROX OG BENT 36 BENT 38 BENT 39 BENT 40 BENT 41 BENT 42 BENT 43 BENT 44 BENT 45 DATUM ELEV = 200.00 490+00 495+00 **ELEVATION** SCALE 1" = 40' LEGEND: 1) STRUCTURE APPROACH SLAB BENT 42 STA, 493+73,51 2 RETAINING WALL \* ESTIMATED 100-YEAR FLOOD ELEVATION. SEE "FRESNO TO BAKERSFIELD CORRIDOR EDGE OF HYDROLOGY, HYDRAULICS AND PROPOSED HSR ROW GUIDEWAY DECK E TRACK -"F1" LINE -DRAINAGE 15% DRAFT REPORT". CURVE DATA <del>490+00</del> R = 21297 $\Delta = 34^{\circ}17'38''$ T = 6571I & TRACK EDGE OF GUIDEWAY DECK L = 12747PROPOSED HSR ROW ACCESS STAIRS PLAN SCALE 1" = 40' DESIGNED BY M. FISHER CALIFORNIA HIGH-SPEED TRAIN PROJECT HSR 06-0003 DRAWN BY F. PALERMO RECORD SET 15% FRESNO TO BAKERSFIELD

**CALIFORNIA** 

HIGH-SPEED RAIL AUTHORITY

SV2206

AS SHOWN

7 OF 10

FRESNO SUBSECTION

ALIGNMENT F1

FRESNO VIADUCT

PLAN AND ELEVATION

DESIGN SUBMISSION

NOT FOR

CONSTRUCTION

CHECKED BY
A. ARMSTRONG

12/31/13

CHARGE

URS HMM ARUP

DATE

BY CHK APP

DESCRIPTION

EVC 496+15.88 BVC 507+51.53 ELEV 328.10 ELEV 313.07 -1.324 % TOP OF RAIL "F1" LINE

NO SCALE TOTAL LENGTH OF BRIDGE = 6393'-00" (MEASURED ALONG "F1" LINE) <u>/ 120'-0"</u> 120'-0" 120'-0" 120'-0" 120'-0" 120'-0" TOP OF RAIL TOP OF PARAPET EXPANSION REINFORCED CONCRETE
BOX UNDERCROSSING TA E MU E MUSCAT 16'-6" VERT CLR APPROX OG 24'-5" VERT ( SEE NOTE 1 BENT 45 BENT 47 BENT 48 BENT 46 BENT 49 ABUT 50 DATUM ELEV = 200.00 500+00 505+00

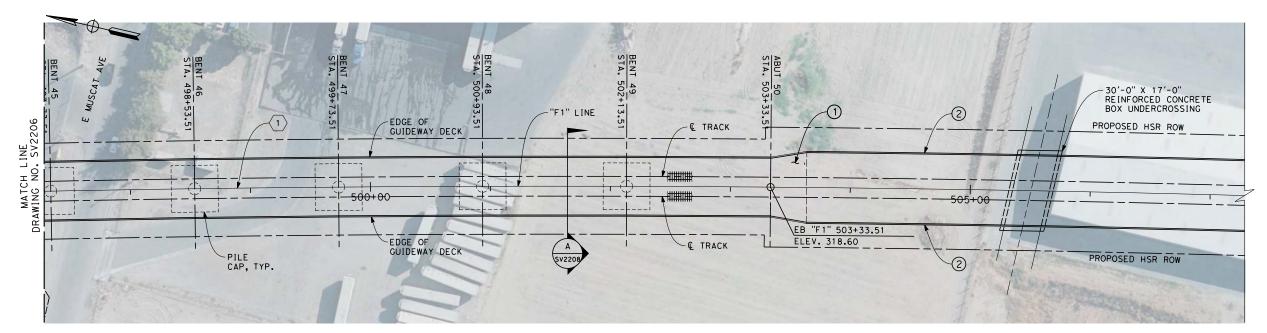
#### <u>NOTES</u>

- 1. NOT ALL PILES SHOWN
- 2. PILE LENGTH TO BE DETERMINED
- 3. SUPERSTRUCTURE CONSTRUCTION, UON SIMPLE SPANS - MSS OR FLPM CONTINUOUS SPANS - BCC - PRECAST IN-SITU
  - INSITU, SLID STEEL TRUSS OR LAUNCHED ELEVATED SLABS - PC BEAM AND

INSITU SLAB

- 4. UTILITY LOCATIONS TO BE DETERMINED
- 5. ACCESS STAIRWAYS ARE PROVIDED AT SYSTEMS SITES (APPROX. 2.5 MILE INTERVALS). LADDER ACCESS TO VIADUCTS IS PROVIDED AT 2500 FT INTERVALS WITH ACCESS ROAD AND TURNING CIRCLE WHERE NECESSARY.

# **ELEVATION** SCALE 1" = 40'



#### LEGEND:

- 1) STRUCTURE APPROACH SLAB
- 2 RETAINING WALL
- \* ESTIMATED 100-YEAR FLOOD ELEVATION. SEE "FRESNO TO BAKERSFIELD CORRIDOR HYDROLOGY, HYDRAULICS AND DRAINAGE 15% DRAFT REPORT".

#### CURVE DATA



R = 21297 $\Delta = 34^{\circ}17'38''$ 

T = 6571

L = 12747



PLAN SCALE 1" = 40'

# CALIFORNIA HIGH-SPEED TRAIN PROJECT FRESNO TO BAKERSFIELD

FRESNO SUBSECTION ALIGNMENT F1 FRESNO VIADUCT PLAN AND ELEVATION

CONTRACT NO.
HSR 06-0003
DRAWING NO.
SV2207
SCALE
AS SHOWN

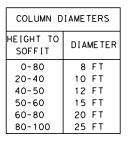
8 OF 10

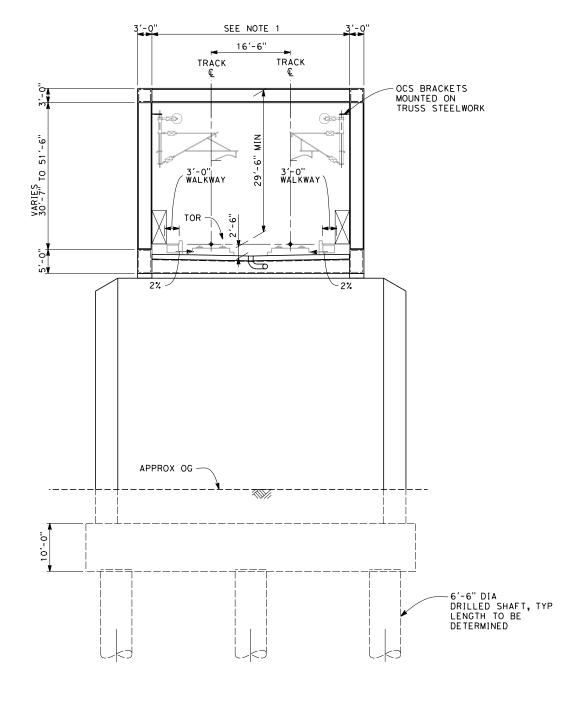
						DESIGNED BY M. FISHER	
						DRAWN BY	RECORD SET 15%
						CHECKED BY	DESIGN SUBMISSION
						A. ARMSTRONG IN CHARGE	NOT FOR
						R. COFFIN	CONSTRUCTION
REV	DATE	BY	СНК	APP	DESCRIPTION	DATE 12/31/13	





1. TRUSS INTERNAL WIDTH VARIES. WIDTH IS 44'-11" FOR SOUTH CEDAR SPAN AND 45'-8" FOR SR99 SPANS





# SECTION B

SCALE: 1" = 10' STA 482+20 (BENT 34)

OCS POLE TRA Q Q		OCS POLE Ç
6'-1" 10'-8"	167-6"	0'-8" 6'-1"
3'-0" WALKWAY	3'( WAL	KWAY
PARAPET	, , , , , , , , , , , , , , , , , , ,	PARAPET
2, -6".		2%
<b>&gt;</b>	✓ VAR	UMN DIA X EES TABLE
APPROX OG		
.0		PILE CAP
		6'-0" DIA DRILLED SHAFT, TYP LENGTH TO BE DETERMINED

50′-0"

# SECTION A

SCALE: 1" = 10'

STA 442+62 THROUGH 478+79 STA 487+26 THROUGH 503+34

						DESIGNED BY A. ARMSTRONG	
						DRAWN BY F. PALERMO	ָן וען
						CHECKED BY M. FISHER	
						IN CHARGE R. COFFIN	
REV	DATE	ВΥ	СНК	APP	DESCRIPTION	12/31/13	

RECORD SET 15%
DESIGN SUBMISSION
NOT FOR
CONSTRUCTION



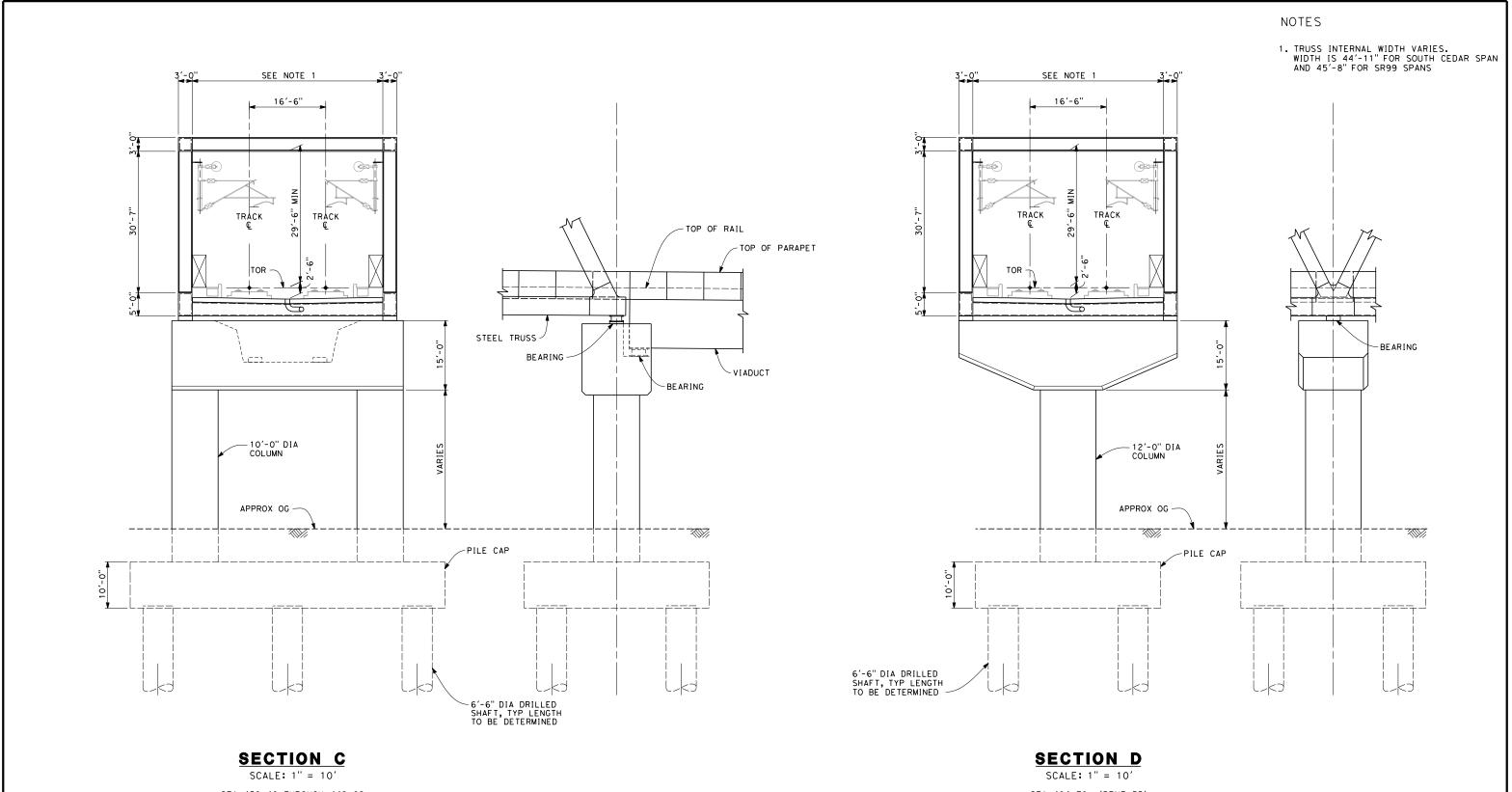


# CALIFORNIA HIGH-SPEED TRAIN PROJECT FRESNO TO BAKERSFIELD

FRESNO SUBSECTION
ALIGNMENT F1
FRESNO VIADUCT
TYPICAL SECTIONS

CONTRACT NO.
HSR 06-0003
DRAWING NO.
SV2208
SCALE
AS SHOWN

SHEET NO. 9 OF 10



STA 439+40 THROUGH 442+62 STA 478+75 THROUGH 487+26

STA 484+78 (BENT 35)

						DESIGNED BY M. FISHER	
						DRAWN BY F. PALERMO	1.
						CHECKED BY	┨┖┇
						A. ARMSTRONG	ł
						IN CHARGE R. COFFIN	
REV	DATE	BY	СНК	APP	DESCRIPTION	DATE 12/31/13	

RECORD SET 15%
DESIGN SUBMISSION
NOT FOR
CONSTRUCTION





# CALIFORNIA HIGH-SPEED TRAIN PROJECT FRESNO TO BAKERSFIELD

FRESNO SUBSECTION
ALIGNMENT F1
FRESNO VIADUCT
TYPICAL SECTIONS

CONTINACT NO
HSR 06-0003
DRAWING NO.
SV2209
SCALE
AS SHOWN
SHEET NO.
10 OF 10