

INDEX OF PLANS	
SHEET No.	DESCRIPTION
1	TITLE AND LOCATION MAP
2	CONSTRUCTION AREA SIGNS
3-4	PAVEMENT DELINEATION QUANTITIES
5-8	REVISED AND NEW STANDARD PLANS

STRUCTURE PLANS
9-12 ROUTE 5, 41, 43, 99, 198, 269 BRIDGES

THE STANDARD PLANS LIST APPLICABLE TO THIS CONTRACT IS INCLUDED IN THE NOTICE TO BIDDERS AND SPECIAL PROVISIONS BOOK.

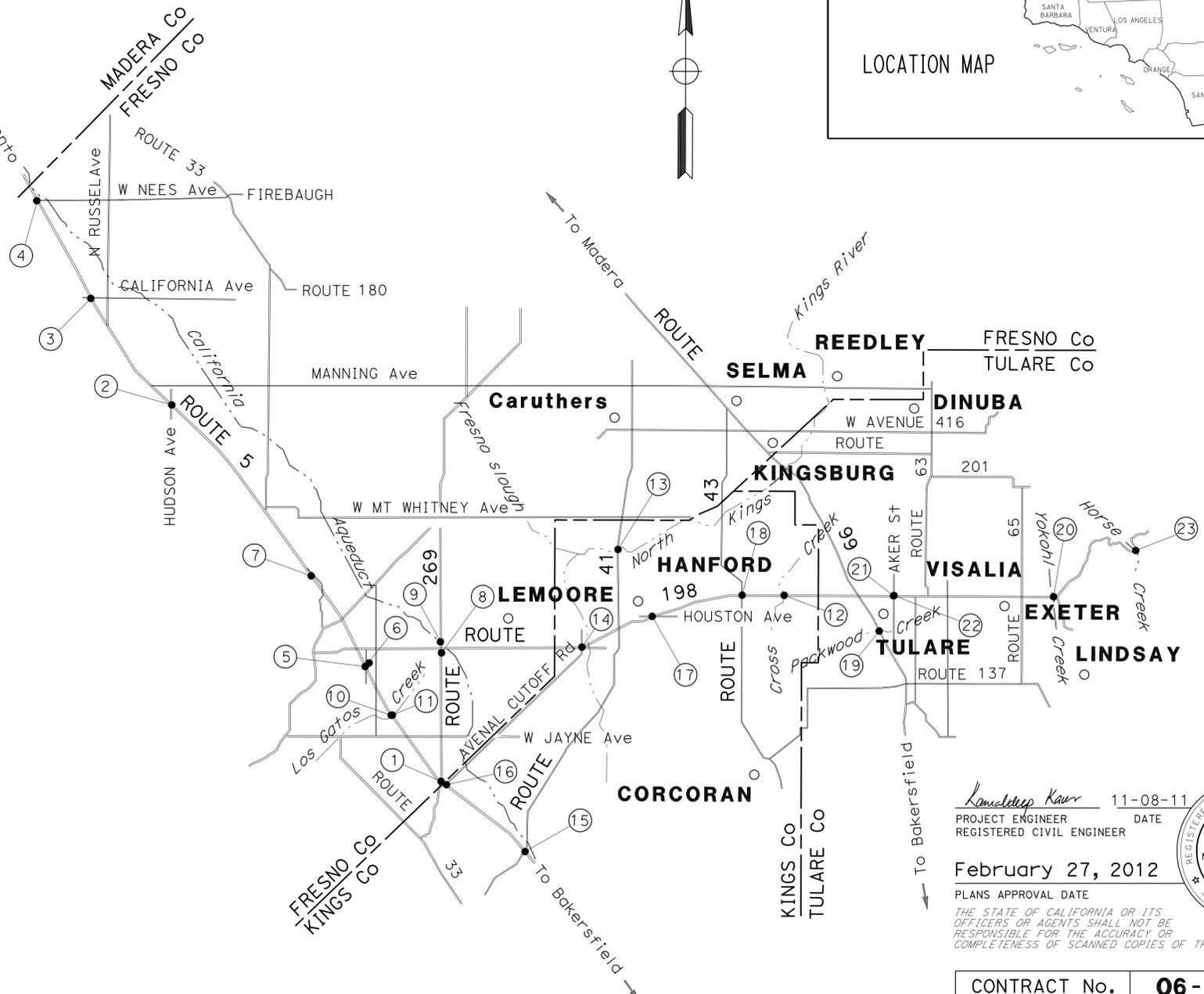
STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
PROJECT PLANS FOR CONSTRUCTION ON STATE HIGHWAY
IN FRESNO, KINGS AND TULARE COUNTIES
AT VARIOUS LOCATIONS

TO BE SUPPLEMENTED BY STANDARD PLANS DATED MAY 2006



LOCATIONS OF CONSTRUCTION

No.	COUNTY	ROUTE	POST MILE	DESCRIPTION	DIRECTION
①	Fre	269	0.4	ROUTE 269/5 SEPARATION (Br No. 42-0230)	NB/SB
②		5	43.17	HUDSON AVENUE OC (Br No. 42-0245)	EB/WB
③		5	55.57	CALIFORNIA AVENUE OC (Br No. 42-0251)	EB/WB
④		5	65.78	NEES AVENUE OC (Br No. 42-0256)	EB/WB
⑤		5	13.08	CALIOLA UC (Br No. 42-0260L)	SB
⑥		5	13.08	CALIOLA UC (Br No. 42-0260R)	NB
⑦		5	22.85	DOMENGINE UC (Br No. 42-0271L)	NB/SB
⑧		269	12.21	HURON DIKE (Br No. 42-0376)	NB/SB
⑨		269	13.38	CALIFORNIA AQUEDUCT (Br No. 42-0377)	NB/SB
⑩		5	7.96	ARROYO PASAJERO (Br No. 42-0412L)	NB/SB
⑪	5	7.96	ARROYO PASAJERO (Br No. 42-0412R)	NB/SB	
⑫	Kin	198	25.17	CROSS CREEK (Br No. 45-0006)	EB/WB
⑬		41	R47.16	NORTH FORK KINGS RIVER (Br No. 45-0019L)	NB/SB
⑭		198	4.99	AVENAL CUT-OFF Rd OC (Br No. 45-0059)	NB/SB
⑮		5	16.57	ROUTE 5/41 SEPARATION (Br No. 45-0070R)	NB/SB
⑯		5	26.57	AVENAL CUT-OFF Rd OC (Br No. 45-0074)	EB/WB
⑰		198	R12.11	HOUSTON AVENUE OC (Br No. 45-0077)	NB/SB
⑱		43	18.22	ROUTE 43/198 SEPARATION (Br No. 45-0080)	NB/SB
⑲	Tul	99	34.92	PACKWOOD CREEK (Br No. 46-0013)	NB/SB
⑳		198	21.82	YOKOHL CREEK (Br No. 46-0025)	EB/WB
㉑		198	6.76	AKERS STREET UC (Br No. 46-0251L)	EB/WB
㉒		198	6.76	AKERS STREET UC (Br No. 46-0251R)	EB/WB
㉓	198	33.53	HORSE CREEK (Br No. 46-0262)	EB/WB	



PROJECT MANAGER
BILL MOSES

DESIGN ENGINEER
FRANK GONZALEZ

PROJECT ENGINEER DATE 11-08-11
 REGISTERED CIVIL ENGINEER
February 27, 2012
 PLANS APPROVAL DATE
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

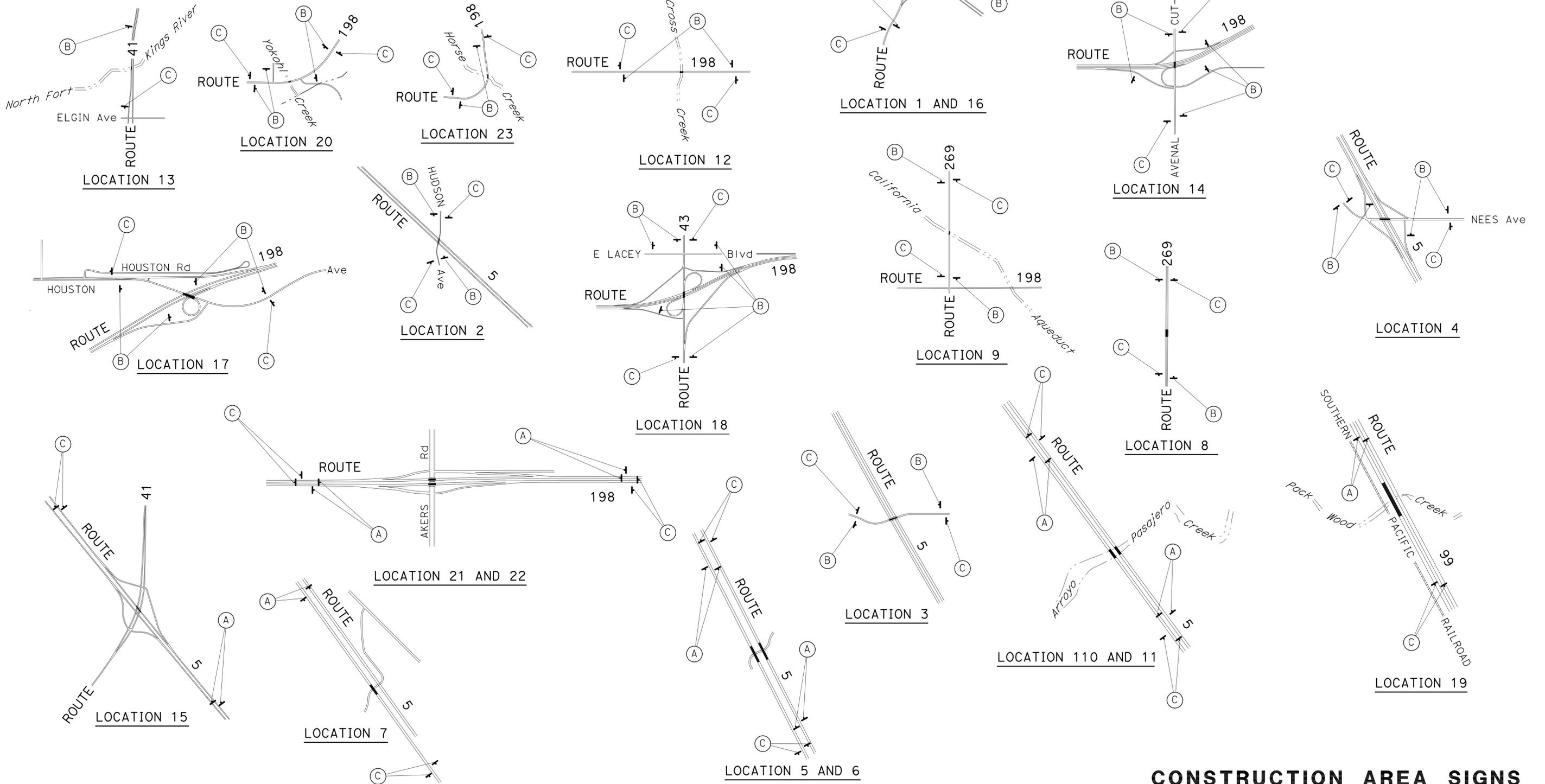
CONTRACT No.	06-0M2104
PROJECT ID	0600020114

STATIONARY MOUNTED CONSTRUCTION AREA SIGNS

SIGN No.	SIGN CODE	PANEL SIZE	SIGN MESSAGE	No. OF POST AND SIZE	No. OF SIGNS
(A)	W20-1	48" x 48"	ROAD WORK AHEAD	1 - 6" x 6"	18
(B)	W20-1	36" x 36"	ROAD WORK AHEAD	1 - 4" x 6"	42
(C)	G20-2	42" x 18"	END ROAD WORK	1 - 4" x 4"	44

NOTES:

- EXACT LOCATION AND POSITION OF SIGNS WILL BE DETERMINED BY THE ENGINEER.
- SIGN POST LENGTH ARE APPROXIMATE, EXACT SIZE AND LENGTH WILL BE DETERMINED BY THE ENGINEER.



Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre, Kin, Tul	5, 41, 43, 99, 198, 269	Var	2	12

Kamaldeep Kaur 11-08-11
 REGISTERED CIVIL ENGINEER DATE

2-27-12
 PLANS APPROVAL DATE

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

REGISTERED PROFESSIONAL ENGINEER
 KAMALDEEP KAUR
 No. C73047
 Exp. 12/31/12
 CIVIL
 STATE OF CALIFORNIA

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans MAINTENANCE DESIGN
 FUNCTIONAL SUPERVISOR: FRANK GONZALEZ
 CALCULATED/DESIGNED BY: JOSE VICTOR ECHEVESTE
 CHECKED BY: LEE XIANG
 REVISOR: JOSE VICTOR ECHEVESTE
 DATE REVISOR: LEE XIANG

CONSTRUCTION AREA SIGNS

CS-1

APPROVED FOR CONSTRUCTION AREA SIGN WORK ONLY.

NO SCALE



LAST REVISION: 12-08-11
 DATE PLOTTED => 25-FEB-2012
 TIME PLOTTED => 06:01

PAVEMENT DELINEATION QUANTITIES

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre, Kin, Tul	5,41,43, 99,198,269	Var	3	12
<i>Kamaldeep Kaur</i> 11-08-11 REGISTERED CIVIL ENGINEER DATE					
2-27-12 PLANS APPROVAL DATE					
<small>THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.</small>					

Loc	Rte	CROSSING	BRIDGE No.	DETAIL No.	THERMOPLASTIC TRAFFIC STRIPE			PAVEMENT MARKER (RETROREFLECTIVE)			REMOVE THERMOPLASTIC TRAFFIC STRIPE	REMOVE YELLOW THERMOPLASTIC TRAFFIC STRIPE (HAZARDOUS WASTE)	REMOVE PAVEMENT MARKER (N)
					4" (BROKEN 17-7) LF	4" (BROKEN 36-12) LF	4" LF	TYPE					
								D EA	G EA	H EA			
①	269	ROUTE 269/5 SEPARATION	42-0230	22			594	26				594	
				27B			594				594		
②	5	HUDSON AVENUE OC	42-0245										
③	5	CALIFORNIA AVENUE UC	42-0251										
④	5	NEES AVENUE OC	42-0256	21			526					526	
				27B			526				526		
⑤	5	CALIOLA UC	42-0260L	12		84			3		84		
				25		84			5		84		
⑥	5	CALIOLA UC	42-0260R	12		84			3		84		
				25		84			5		84		
⑦	5	DOMENGINE UC	42-0271L	12		96			3		96		
				25		96			5		96		
⑧	269	HURON DIKE	42-0376	22			178	9			178		
				27B			178				178		
⑨	269	CALIFORNIA AQUEDUCT	42-0377	22			474	21			474		
				27B			474				474		
⑩	5	ARROYO PASAJERO	42-0412L	12		255			7		255		
				25		255			7		255		
				27B		255				255			
⑪	5	ARROYO PASAJERO	42-0412R	12		255			7		255		
				25		255			7		255		
				27B		255				255			
⑫	198	CROSS CREEK	45-0006	6		166		8			166		
				19		24	24	1		1		48	
				27B			380				380		
⑬	41	NORTH FORK KINGS RIVER	45-0019L	12		256			7		256		
				25		256			7		256		
				27B		256				256			
SUBTOTAL						1220	6008	65	30	37	4212	3016	

(N) NOT A SEPARATE PAY ITEM, FOR INFORMATION ONLY.

PAVEMENT DELINEATION QUANTITIES PDQ-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
MAINTENANCE DESIGN



Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre, Kin, Tul	5, 41, 43, 99, 198, 269	Var	4	12

Kamaldeep Kaur 11-08-11
 REGISTERED CIVIL ENGINEER DATE

2-27-12
 PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
 KAMALDEEP KAUR
 No. C73047
 Exp. 12/31/12
 CIVIL
 STATE OF CALIFORNIA

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

PAVEMENT DELINEATION QUANTITIES

Loc	Rte	CROSSING	BRIDGE No.	DETAIL No.	THERMOPLASTIC TRAFFIC STRIPE			PAVEMENT MARKER (RETROREFLECTIVE)			REMOVE THERMOPLASTIC TRAFFIC STRIPE LF	REMOVE YELLOW THERMOPLASTIC TRAFFIC STRIPE (HAZARDOUS WASTE) LF	REMOVE PAVEMENT MARKER (N) EA
					4" (BROKEN 17-7) LF	4" (BROKEN 36-12) LF	4" LF	TYPE					
								D EA	G EA	H EA			
FROM SHEET PDQ-1						1220	6008	65	30	37	4212	3016	
14	198	AVENAL CUT-OFF ROAD OC	45-0059	22			396	18				396	
15	5	ROUTE 5/41 SEPARATION	45-0070R	12		290			7		290		
				25		290			7		290		
16	5	AVENAL CUT-OFF ROAD OC	45-0074	21			614						
				27B		614					290		
17	198	HOUSTON AVENUE OC	45-0077	8	58								
				21		526					526		526
18	43	ROUTE 43/198 SEPARATION	45-0080	22			422	19				422	
				27B		422					422		
19	99	PACKWOOD CREEK	46-0013	12		32			1		32		
				25		32			1		32		
				27B		32					32		
20	198	YOKOHL CREEK	46-0025	22			228	11				228	
				27B		228					228		
21	198	AKERS STREET UC	46-0251L	12		166			5		166		
				25		166			5		166		
				27B		166					166		
22	198	AKERS STREET UC	46-0251R	12		166			5		166		
				25		166			5		166		
23	198	HORSE CREEK	46-0262	22			656	29				656	
				27B		656					656		
SUBTOTAL					58	1874	12,604	142	48	55	7352	5898	245
TOTAL					58	1874	12,604	245			7352	5898	245

(N) NOT A SEPARATE PAY ITEM, FOR INFORMATION ONLY.

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans MAINTENANCE DESIGN
 FUNCTIONAL SUPERVISOR: FRANK GONZALEZ
 CALCULATED/DESIGNED BY: CHECKED BY:
 LEE XIONG KAMALDEEP KAUR
 REVISED BY: DATE REVISED:

PAVEMENT DELINEATION QUANTITIES PDQ-2

LAST REVISION: DATE PLOTTED => 25-FEB-2012
 TIME PLOTTED => 06:01

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
06	Fre, Kin, Tul	5, 41, 43, 99, 198, 269	Var	5	12

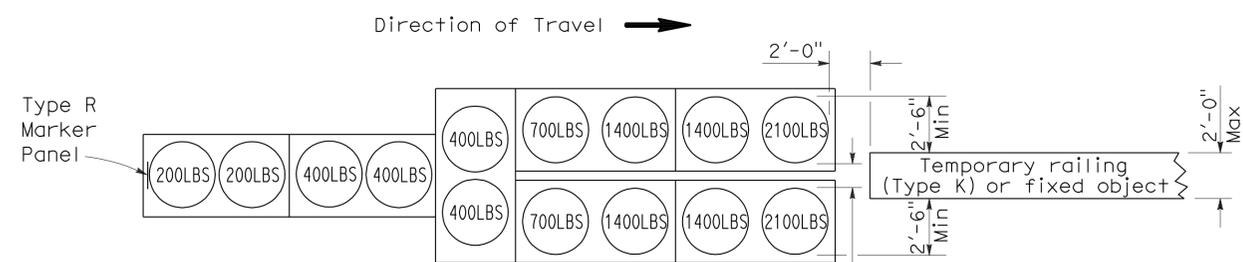
Randell D. Hiatt
REGISTERED CIVIL ENGINEER

June 6, 2008
PLANS APPROVAL DATE

Randell D. Hiatt
REGISTERED PROFESSIONAL ENGINEER
No. C50200
Exp. 6-30-09
CIVIL
STATE OF CALIFORNIA

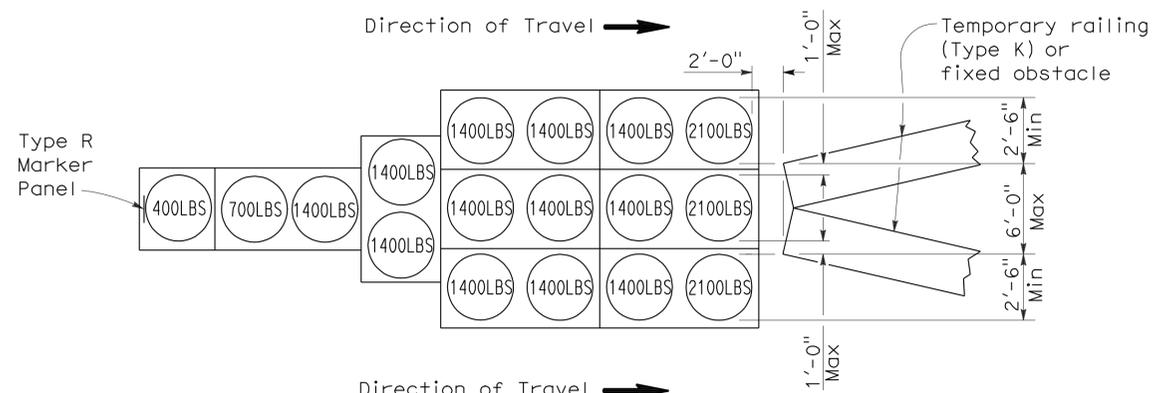
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

To accompany plans dated 2-27-12



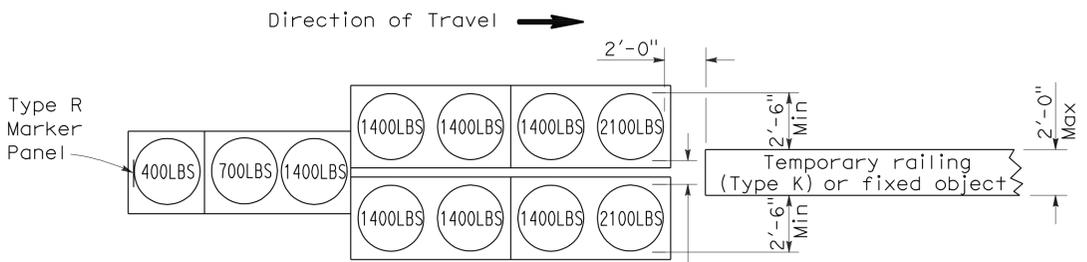
ARRAY 'TU14'

Approach speed 45 mph or more



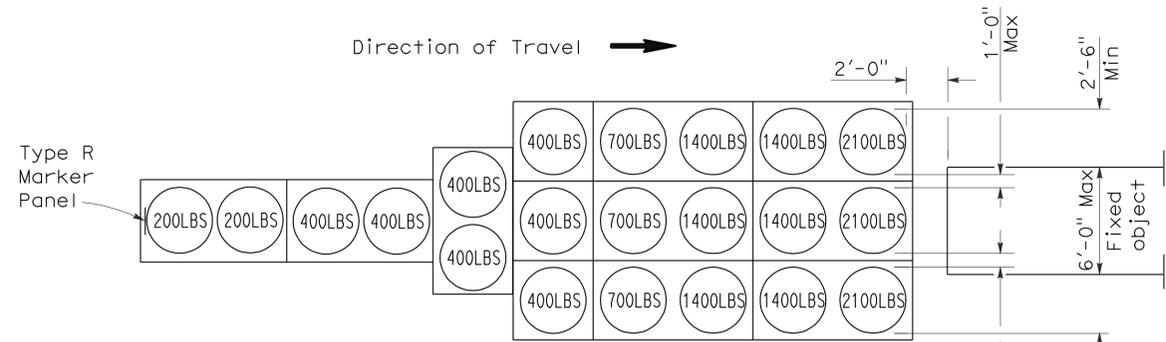
ARRAY 'TU17'

Approach speed less than 45 mph



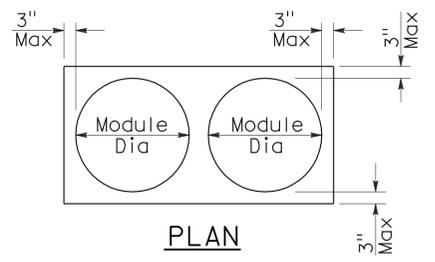
ARRAY 'TU11'

Approach speed less than 45 mph

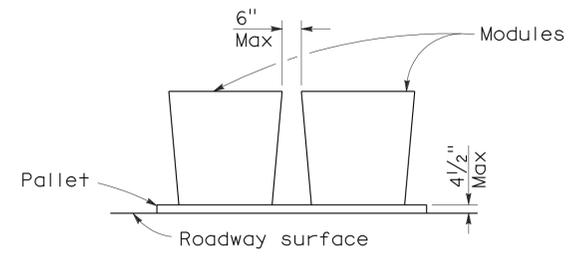


ARRAY 'TU21'

Approach speed 45 mph or more



PLAN



ELEVATION

CRASH CUSHION PALLET DETAIL

See Note 7

NOTES:

1. (XXX) Indicates sand filled module location and weight of sand in pounds for each module. Module spacing is based on the greater diameter of the module.
2. All sand weights are nominal.
3. Temporary crash cushion arrays shall not encroach on the traveled way.
4. Place the top of Type R marker panel 1" below the module lid.
5. Refer to Standard Plan A73B for marker details.
6. Approach speeds indicated conform to NCHRP 350 Report criteria.
7. Use of pallets is optional.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

**TEMPORARY CRASH CUSHION,
SAND FILLED
(UNIDIRECTIONAL)**

NO SCALE

RSP T1A DATED JUNE 6, 2008 SUPERSEDES STANDARD PLAN T1A
DATED MAY 1, 2006 - PAGE 211 OF THE STANDARD PLANS BOOK DATED MAY 2006.

REVISED STANDARD PLAN RSP T1A

2006 REVISED STANDARD PLAN RSP T1A

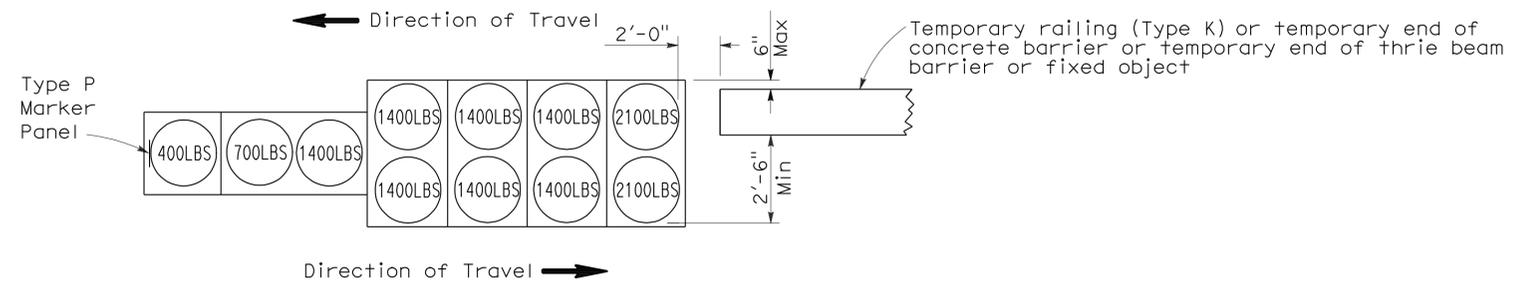
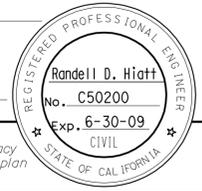
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
06	Fre, Kin, Tul	5, 41, 43, 99, 198, 269	Var	6	12

Randell D. Hiatt
REGISTERED CIVIL ENGINEER

June 6, 2008
PLANS APPROVAL DATE

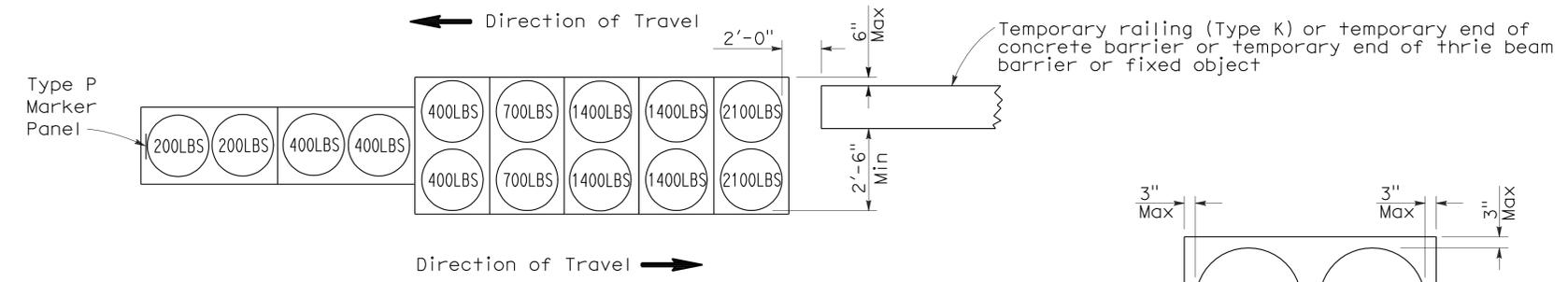
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

To accompany plans dated 2-27-12



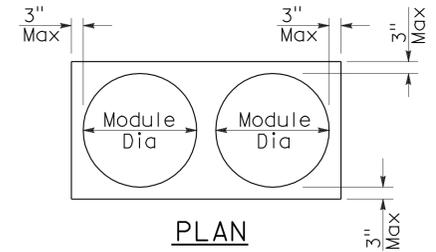
ARRAY 'TB11'

Approach speed less than 45 mph

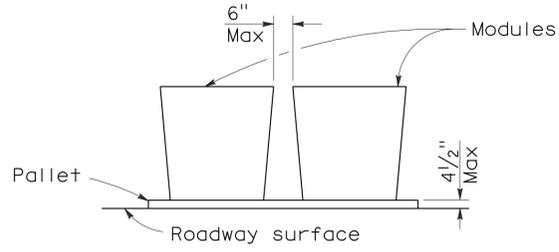


ARRAY 'TB14'

Approach speed 45 mph or more



PLAN



ELEVATION

CRASH CUSHION PALLET DETAIL

See Note 7

NOTES:

1. (XXX) Indicates sand filled module location and weight of sand in pounds for each module. Module spacing is based on the greater diameter of the module.
2. All sand weights are nominal.
3. Temporary crash cushion arrays shall not encroach on the traveled way.
4. Place the Type P marker panel so that the bottom of the panel rests upon the pallet.
5. Refer to Standard Plan A73B for marker details.
6. Approach speeds indicated conform to NCHRP 350 Report criteria.
7. Use of pallets is optional.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

**TEMPORARY CRASH CUSHION,
SAND FILLED
(BIDIRECTIONAL)**

NO SCALE

RSP T1B DATED JUNE 6, 2008 SUPERSEDES STANDARD PLAN T1B
DATED MAY 1, 2006 - PAGE 212 OF THE STANDARD PLANS BOOK DATED MAY 2006.

REVISED STANDARD PLAN RSP T1B

2006 REVISED STANDARD PLAN RSP T1B

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
06	Fre, Kin, Tul	5, 41, 43, 99, 198, 269	Var	7	12

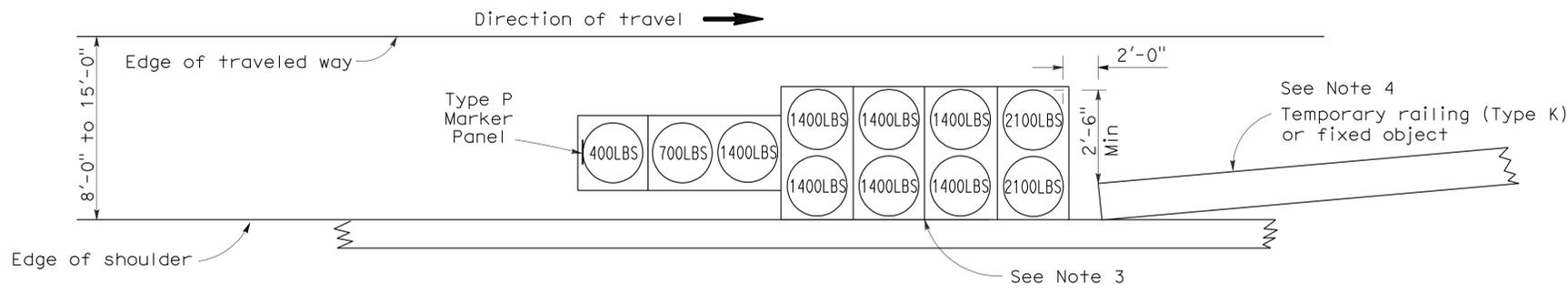
Randell D. Hiatt
REGISTERED CIVIL ENGINEER

June 6, 2008
PLANS APPROVAL DATE

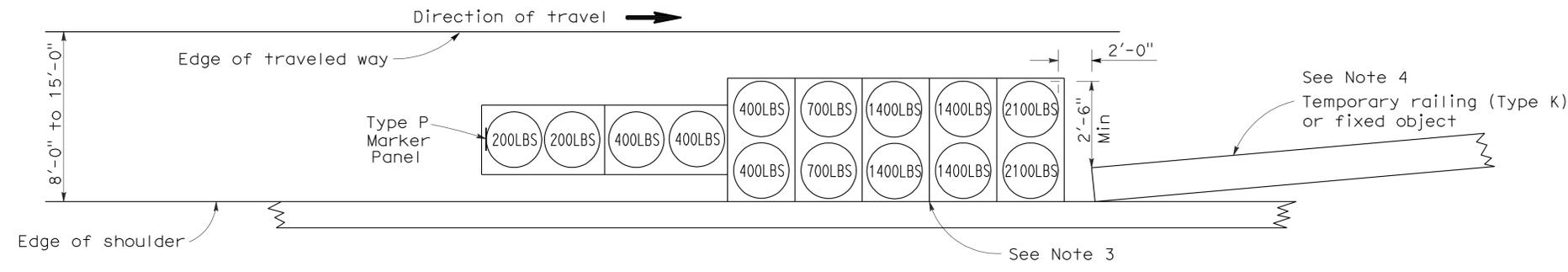
Randell D. Hiatt
REGISTERED PROFESSIONAL ENGINEER
No. C50200
Exp. 6-30-09
CIVIL
STATE OF CALIFORNIA

The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

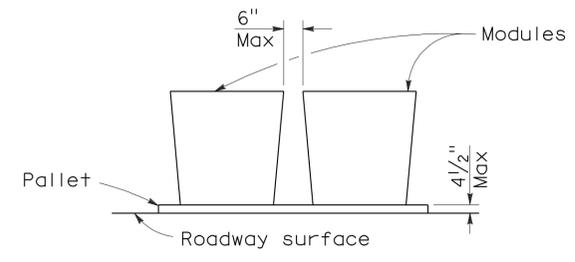
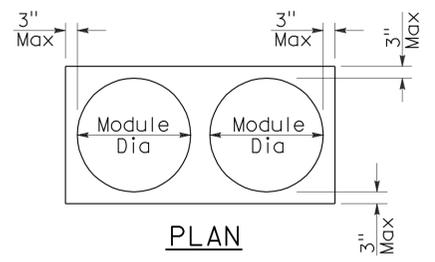
To accompany plans dated 2-27-12



ARRAY 'TS11'
Approach speed less than 45 mph
See Note 9



ARRAY 'TS14'
Approach speed 45 mph or more
See Note 9



CRASH CUSHION PALLET DETAIL
See Note 11

NOTES:

1. (XXX) Indicates sand filled module location and weight of sand in pounds for each module. Module spacing is based on the greater diameter of the module.
2. All sand weights are nominal.
3. The temporary crash cushion arrays shown on this plan shall be used only in locations where there will be traffic on one side of the temporary crash cushion array.
4. If the fixed object or approach end of the temporary railing is less than 15'-0" from the edge of traveled way, a temporary crash cushion is required in a construction or work zone.
5. Temporary crash cushion arrays shall not encroach on the traveled way.
6. Arrays for median shoulders shall conform to details shown on this plan for outside shoulders.
7. Place the Type P marker panel so that the bottom of the panel rests upon the pallet and faces traffic.
8. Refer to Standard Plan A73B for marker details.
9. For shoulder widths less than 8'-0", appropriate approved crash cushion protection, other than sand filled modules, shall be provided at fixed objects and at approach ends of temporary railing. The specific type of crash cushion shall be as shown on the project plans or as specified in the Special Provisions, or if not shown on the project plans or specified in the Special Provisions, shall be as approved by the Engineer.
10. Approach speeds indicated conform to NCHRP 350 Report criteria.
11. Use of pallets is optional.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
**TEMPORARY CRASH CUSHION,
SAND FILLED
(SHOULDER INSTALLATIONS)**

NO SCALE
RSP T2 DATED JUNE 6, 2008 SUPERSEDES STANDARD PLAN T2
DATED MAY 1, 2006 - PAGE 213 OF THE STANDARD PLANS BOOK DATED MAY 2006.

REVISED STANDARD PLAN RSP T2

2006 REVISED STANDARD PLAN RSP T2

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre, Kin, Tul	5,41,43, 99,198,269	Var	8	12

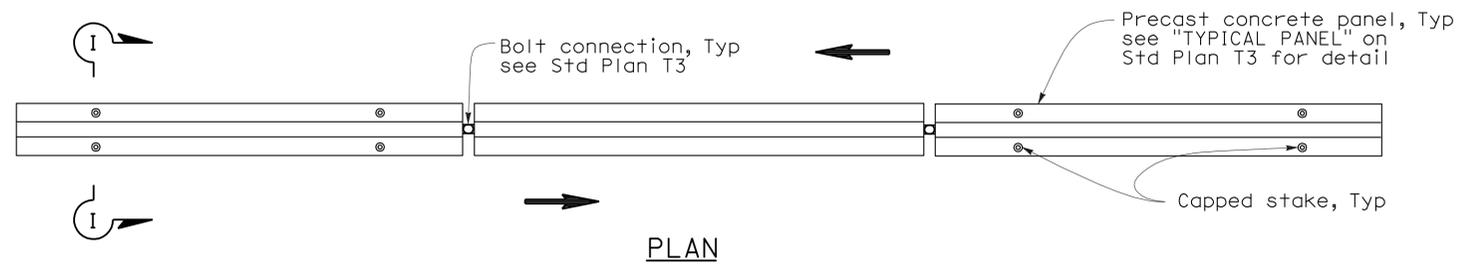
Randell D. Hiatt
REGISTERED CIVIL ENGINEER

May 20, 2011
PLANS APPROVAL DATE

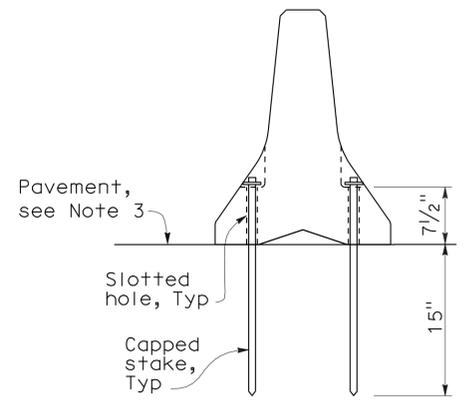
Randell D. Hiatt
No. C50200
Exp. 6-30-11
CIVIL
STATE OF CALIFORNIA

The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

To accompany plans dated 2-27-12



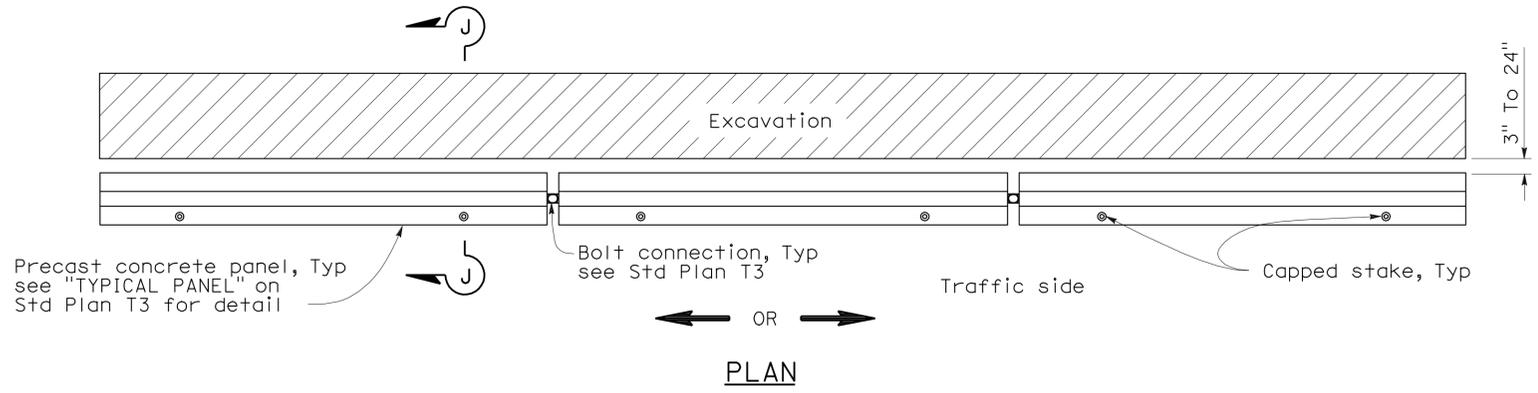
RAILING STAKING CONFIGURATION FOR TWO-WAY TRAFFIC
See Note 1



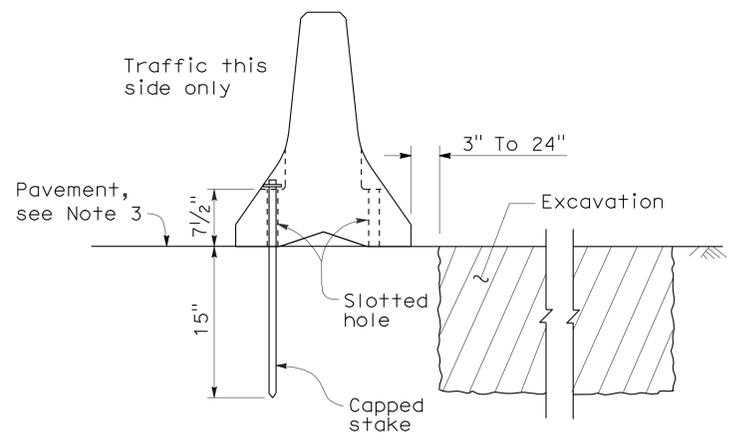
SECTION I-I

NOTES:

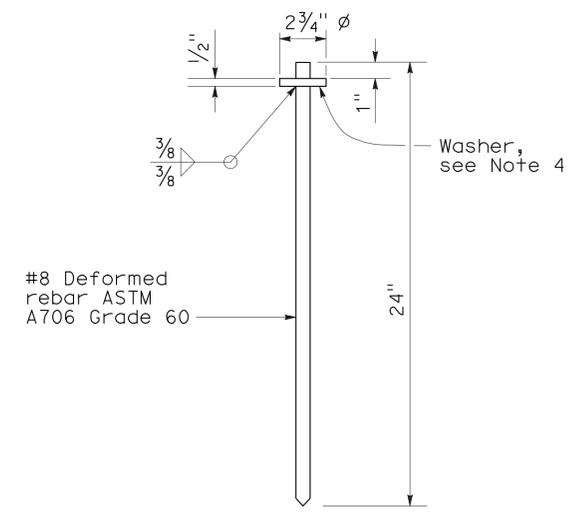
1. Where Type K Temporary Railing is placed as a temporary or long term barrier in two-way traffic on highways with less than 24" from the edge of traveled way, use four capped stakes per every other panel with end panels staked.
2. Where Type K Temporary Railing is placed 3" to 24" from the edge of an excavation on highways, use two capped stakes per panel along the traffic side.
3. Staked Type K Temporary Railing must be supported by at least 4" thick concrete, hot mix asphalt or existing asphalt concrete pavement.
4. The minimum yield strength for the washer must be 60,000 psi.
5. Direction of adjacent traffic indicated by \Rightarrow .



RAILING STAKING CONFIGURATION ADJACENT TO AN EXCAVATION
See Note 2



SECTION J-J



CAPPED STAKE DETAIL

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
**TEMPORARY RAILING
(TYPE K)**
NO SCALE

NSP T3A DATED MAY 20, 2011 SUPPLEMENTS
THE STANDARD PLANS BOOK DATED MAY 2006.

2006 NEW STANDARD PLAN NSP T3A

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre, Kin, Tul	5, 41, 43, 99, 198, 269	Var	9	12

11-22-11
 REGISTERED CIVIL ENGINEER DATE
 2-27-12
 PLANS APPROVAL DATE

The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

INDEX TO PLANS

SHEET NO.	TITLE
1	GENERAL PLAN NO. 1
2	GENERAL PLAN NO. 2
3	JOINT SEAL DETAILS
4	QUANTITIES

STANDARD PLANS DATED MAY 2006

SHEET NO.	TITLE
A10A	ACRONYMS AND ABBREVIATIONS (SHEET 1 OF 2)
A10B	ACRONYMS AND ABBREVIATIONS (SHEET 2 OF 2)

NOTES:

- ① Prepare concrete bridge deck surface and treat bridge deck with high molecular weight methacrylate.
- ② Grind epoxy grit overlay, prepare concrete bridge deck surface and treat bridge deck with TRANSPO T-18 SLURRY POLYMER OVERLAY.
- ③ Grind epoxy grit overlay, prepare concrete bridge deck surface and place multilayer polymer overlay.
- ④ Grind epoxy grit overlay, prepare concrete bridge deck surface and treat bridge deck with methacrylate. See JOINT SEAL DETAILS sheet for joint work, if applicable.
- ⑤ Grind epoxy grit overlay, prepare concrete bridge deck surface and treat bridge deck with BASF DEGADECK BRIDGE DECK OVERLAY.
- ⑥ See JOINT SEAL DETAILS sheet for joint work.

DESCRIPTION									QUANTITIES										
LOCATION	ROUTE	BRIDGE NAME	BRIDGE NUMBER	POST MILE	BRIDGE LENGTH (ft)	ROAD WAY WIDTH (ft)	SKEW	DESCRIPTION OF WORK	REMOVE ASPHALT CONCRETE SURFACING (ft ²)	GRIND EPOXY GRIT OVERLAY (ft ²)	PREPARE CONCRETE BRIDGE DECK SURFACE (ft ²)	FURNISH POLYESTER CONCRETE OVERLAY (ft ³)	PLACE POLYESTER CONCRETE OVERLAY (ft ²)	FURNISH BRIDGE DECK TREATMENT MATERIAL (gal)	TREAT BRIDGE DECK (ft ²)	PLACE MULTILAYER POLYMER OVERLAY (ft ²)	TRANSPO T-18 SLURRY POLYMER OVERLAY (ft ²)	BASF DEGADECK BRIDGE DECK OVERLAY (ft ²)	SEE JOINT SEAL TABLE
①	269	RTE 269/5 Separation	42-0230	0.4	297	41.2	*	①	-	-	12236	-	-	165	12,236	-	-	-	-
②	5	Hudson Avenue OC	42-0245	43.17	260	28	*	②	-	7280	7280	-	-	-	-	-	7280	-	-
③	5	California Avenue OC	42-0251	55.57	222	24	10	③	-	5328	5328	-	-	-	-	5328	-	-	-
④	5	Nees Avenue OC	42-0256	65.78	263	28	*	⑤	-	7364	7364	-	-	-	-	-	-	7364	-
⑤	5	Caliola UC (L)	42-0260L	13.08	84	39	*	④ ⑥	-	3276	3276	-	-	43	3276	-	-	-	X
⑥	5	Caliola UC (R)	42-0260R	13.08	84	39	*	④ ⑥	-	3276	3276	-	-	44	3276	-	-	-	X
⑦	5	Domengine UC	42-0271L	22.85	96	39	*	⑥	-	-	-	-	-	-	-	-	-	-	X
⑧	269	Huron Dike	42-0376	12.21	89	39	*	⑥	-	-	-	-	-	-	-	-	-	-	X
⑨	269	California Aqueduct	42-0377	13.38	237	40	30	④	-	9460	9460	-	-	128	9460	-	-	-	-
⑩	5	Arroyo Pasajero (L)	42-0412L	7.96	255	39	*	①	-	-	9926	-	-	134	9926	-	-	-	-
⑪	5	Arroyo Pasjero (R)	42-0412R	7.96	255	39	*	①	-	-	9926	-	-	134	9926	-	-	-	-
⑫	198	Cross Creek	45-0006	25.17	190	40	*	①	-	-	7600	-	-	103	7600	-	-	-	-
⑬	41	North Fork Kings River	45-0019L	R47.16	256	40	10	⑥	-	-	-	-	-	-	-	-	-	-	X
⑭	198	Avenal Cut-off Road OC	45-0059	4.99	198	45	12	①	-	-	8910	-	-	120	8910	-	-	-	-
⑮	5	RTE 5/41 Separation	45-0070R	16.57	290	39	34	⑥	-	-	-	-	-	-	-	-	-	-	X
SUB TOTAL									-	35,984	84,582	-	-	871	64,610	5328	7280	7364	-

* = No Skew

THE CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL.

11-22-11 DESIGN ENGINEER	DESIGN	BY C. Hutchinson	CHECKED B. Nguyen	LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE AND PERMIT DESIGN LOAD	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF MAINTENANCE STRUCTURE MAINTENANCE DESIGN	BRIDGE NO.	ROUTE 5, 41, 43, 99, 198, 269 BRIDGES GENERAL PLAN NO. 1	
	DETAILS	BY M. Hallstrom	CHECKED B. Nguyen	LAYOUT	BY M. Hallstrom			CHECKED C. Hutchinson		VARIOUS
	QUANTITIES	BY C. Hutchinson	CHECKED B. Nguyen	SPECIFICATIONS	BY M. Jarvis			CHECKED X		POST MILE

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS: 0 1 2 3
 UNIT: 3488 PROJECT NUMBER & PHASE: 0600020114 CONTRACT NO.: 06-0M2101
 DISREGARD PRINTS BEARING EARLIER REVISION DATES
 REVISION DATES: 9-25-11 SHEET 1 OF 4

NOTES:

- ① Prepare concrete bridge deck surface and treat bridge deck with high molecular weight methacrylate.
- ⑥ See JOINT SEAL DETAILS sheet for joint work.
- ⑦ Remove 2" nominal depth asphalt concrete surfacing, prepare concrete bridge deck surface and treat bridge deck with methacrylate. See "Road Plans" for remove existing pavement surface to conform to new deck grade.
- ⑧ Prepare concrete bridge deck surface and place 3/4" polyester concrete overlay.

LEGEND:

-  Indicates location of clean expansion joint and placement of new joint seal. See JOINT SEAL DETAILS sheet.
-  Indicates existing.

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre, Kin, Tul	5, 41, 43, 99, 198, 269	Var	10	12

Charles R. Hutchinson 11-22-11
 REGISTERED CIVIL ENGINEER DATE

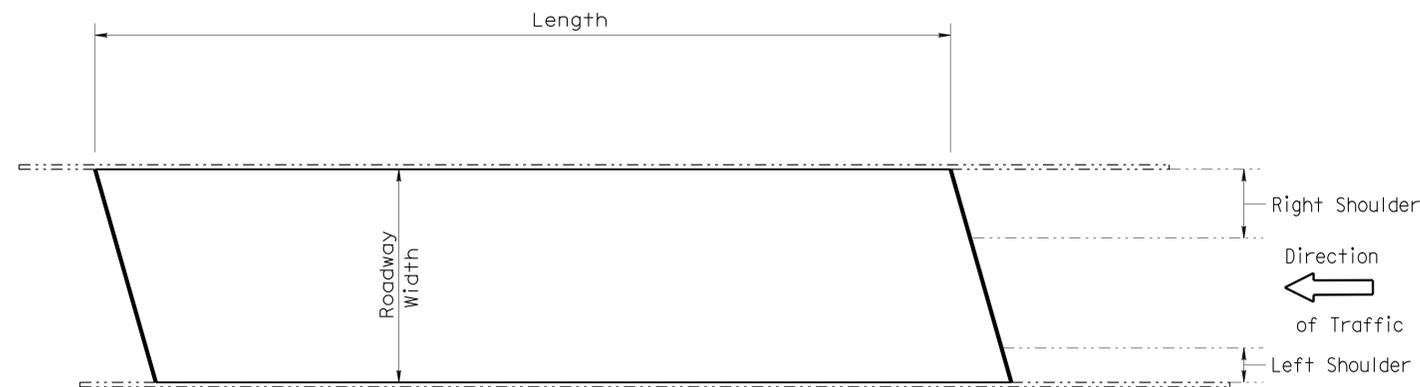
2-27-12
 PLANS APPROVAL DATE

CHARLES R. HUTCHINSON
 No. C 54226
 Exp. 12-31-12
 CIVIL
 STATE OF CALIFORNIA

The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

DESCRIPTION									QUANTITIES											
LOCATION	ROUTE	BRIDGE NAME	BRIDGE NUMBER	POST MILE	BRIDGE LENGTH (ft)	ROAD WAY WIDTH (ft)	SKEW	DESCRIPTION OF WORK	REMOVE ASPHALT CONCRETE SURFACING (ft ²)	GRIND EPOXY GRIT OVERLAY (ft ²)	PREPARE CONCRETE BRIDGE DECK SURFACE (ft ²)	FURNISH POLYESTER CONCRETE OVERLAY (ft ³)	PLACE POLYESTER CONCRETE OVERLAY (ft ²)	FURNISH BRIDGE DECK TREATMENT MATERIAL (gal)	TREAT BRIDGE DECK (ft ²)	PLACE MULTILAYER POLYMER OVERLAY (ft ²)	TRANSPO T-18 SLURRY POLYMER OVERLAY (ft ²)	BASF DEGADECK BRIDGE DECK OVERLAY (ft ²)	SEE JOINT SEAL TABLE	
①⑥	5	Avenal Cut-off Road OC	45-0074	26.57	308	28	*	①	-	-	8624	-	-	116	8624	-	-	-	-	
①⑦	198	Houston Avenue OC	45-0077	R12.11	264	41	47	⑦	11,741	-	11,741	-	-	158	11,741	-	-	-	-	
①⑧	43	RTE 43/198 Separation	45-0080	18.22	211	40	20	①	-	-	8444	-	-	114	8444	-	-	-	-	
①⑨	99	Packwood Creek	46-0013	34.92	32	111	10	⑥	-	-	-	-	-	-	-	-	-	-	-	X
②⑩	198	Yokohl Creek	46-0025	21.82	114	40	10	⑧	-	-	4560	343	4560	-	-	-	-	-	-	
②①	198	Akers Street UC (L)	46-0251L	6.76	166	43	*	①	-	-	6474	-	-	87	6474	-	-	-	-	
②②	198	Akers Street UC (R)	46-0251R	6.76	166	43	*	①	-	-	6474	-	-	87	6474	-	-	-	-	
②③	198	Horse Creek	46-0262	33.53	328	40	*	①	-	-	13,120	-	-	177	13,120	-	-	-	-	
SUB TOTAL									11,741	-	59,437	343	4560	739	54,877	-	-	-	-	
GRAND TOTAL									11,741	35,984	144,019	343	4560	1610	119,487	5328	7280	7364	-	

* = No Skew



TYPICAL PLAN

No Scale

THE CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL.

11-22-11 <i>Michael J. Lee</i> DESIGN ENGINEER	DESIGN	BY C. Hutchinson	CHECKED B. Nguyen	LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE AND PERMIT DESIGN LOAD	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF MAINTENANCE STRUCTURE MAINTENANCE DESIGN	BRIDGE NO.	VARIOUS	ROUTE 5, 41, 43, 99, 198, 269 BRIDGES GENERAL PLAN NO. 2	
	DETAILS	BY M. Hallstrom	CHECKED B. Nguyen	LAYOUT	BY M. Hallstrom			CHECKED C. Hutchinson	POST MILE		VARIES
	QUANTITIES	BY C. Hutchinson	CHECKED B. Nguyen	SPECIFICATIONS	BY M. Jarvis			CHECKED X			

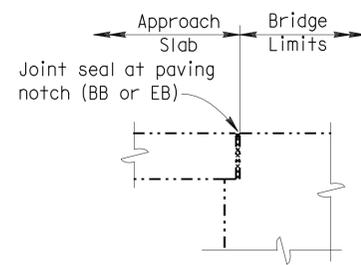
STRUCTURES MAINTENANCE GENERAL PLAN SHEET (ENGLISH) (REV. 09-01-10) ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3 UNIT: 3488 PROJECT NUMBER & PHASE: 0600020114 CONTRACT NO.: 06-0M2101 DISREGARD PRINTS BEARING EARLIER REVISION DATES 9-23-11 SHEET 2 OF 4

USERNAME => s121614 DATE PLOTTED => 25-FEB-2012 TIME PLOTTED => 06:02

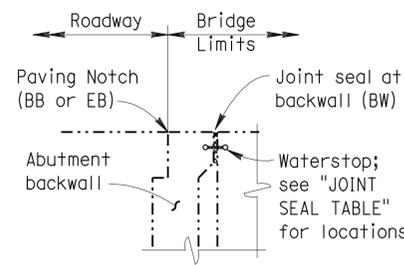
JOINT SEAL TABLE

LOCATION	BRIDGE NAME	BRIDGE NUMBER	LOCATION		MINIMUM "MR" (IN)	APPROXIMATE LENGTH (FT)	EXISTING WATERSTOP	APPROXIMATE DEPTH TO CLEAN JOINT (IN)	CLEAN EXPANSION JOINT (FT)
			Abutment	End					
⑤	Caliola UC	42-0260L	Abut 1	BB	1	40	No	12	40
			Abut 4	EB	1	40	No	12	40
⑥	Caliola UC	42-0260R	Abut 1	BB	1	40	No	12	40
			Abut 4	EB	1	40	No	12	40
⑦	Domengine UC	42-0271L	Abut 1	BB	1	40	No	12	40
			Abut 4	EB	1	40	No	12	40
⑧	Huron Dike	42-0376	Pier 2	℄	1	40	No	12	40
⑬	North Fork Kings River	45-0019L	Abut 1	BB	1	40	No	12	40
			Abut 9	EB	1	40	No	12	40
⑮	RTE 5/41 Separation	45-0070R	Abut 1	BB	1	46	No	12	46
			Abut 3	EB	1	46	No	12	46
⑲	Packwood Creek	46-0013	Abut 1	BB	1/2	113	No	12	113
			Abut 2	EB	1/2	113	No	12	113

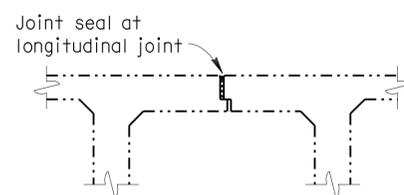
Legend:
℄ = Centerline of Pier



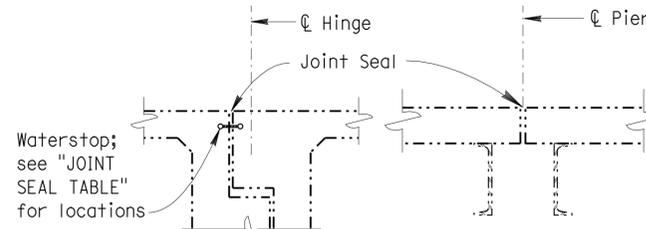
DIAPHRAGM ABUTMENT



ABUTMENT WITH BACKWALL

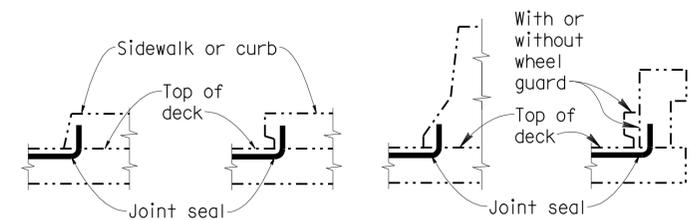


LONGITUDINAL JOINT



HINGE

PIER



SIDEWALK OR CURB

BARRIER RAIL

JOINT SEAL AT LOW SIDE OF DECK

Details shown for illustration purposes only. For use only where deck joint matches the barrier rail joint.
NO SCALE

JOINT SEAL LOCATION

NO SCALE

THE CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL.

DESIGN	BY C. Hutchinson	CHECKED B. Nguyen
DETAILS	BY M. Hallstrom	CHECKED B. Nguyen
QUANTITIES	BY C. Hutchinson	CHECKED B. Nguyen

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

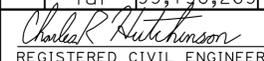
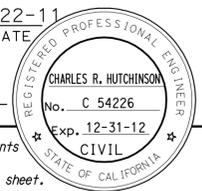
DIVISION OF MAINTENANCE
STRUCTURE MAINTENANCE DESIGN

BRIDGE NO.	VARIOUS
POST MILE	VARIES

ROUTE 5, 41, 43, 99, 198, 269 BRIDGES

JOINT SEAL DETAILS

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre, Kin, Tul	5, 41, 43, 99, 198, 269	Var	11	12
REGISTERED CIVIL ENGINEER			11-22-11 DATE		
2-27-12 PLANS APPROVAL DATE					
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.					

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre, Kin, Tul	5, 41, 43, 99, 198, 269	Var	12	12
 REGISTERED CIVIL ENGINEER DATE 11-22-11					
2-27-12			PLANS APPROVAL DATE		
<i>The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.</i>					

ROUTE 269/5 SEPARATION	BR NO 42-0230	CALIFORNIA AQUEDUCT	BR NO 42-0377	HOUSTON AVENUE OC	BR NO 45-0077
QUANTITIES		QUANTITIES		QUANTITIES	
PREPARE CONCRETE BRIDGE DECK SURFACE	12,236 SQFT	GRIND EPOXY GRIT OVERLAY	9,460 SQFT	REMOVE ASPHALT CONCRETE SURFACING	11,741 SQFT
TREAT BRIDGE DECK	12,236 SQFT	PREPARE CONCRETE BRIDGE DECK SURFACE	9,460 SQFT	PREPARE CONCRETE BRIDGE DECK SURFACE	11,741 SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	165 GAL	TREAT BRIDGE DECK	9,460 SQFT	TREAT BRIDGE DECK	11,741 SQFT
		FURNISH BRIDGE DECK TREATMENT MATERIAL	128 GAL	FURNISH BRIDGE DECK TREATMENT MATERIAL	158 GAL
HUDSON AVENUE OVERCROSSING		ARROYO PASAJERO		ROUTE 43/198 SEPARATION	
QUANTITIES		QUANTITIES		QUANTITIES	
GRIND EPOXY GRIT OVERLAY	7,280 SQFT	PREPARE CONCRETE BRIDGE DECK SURFACE	19,852 SQFT	PREPARE CONCRETE BRIDGE DECK SURFACE	8,444 SQFT
PREPARE CONCRETE BRIDGE DECK SURFACE	7,280 SQFT	TREAT BRIDGE DECK	19,852 SQFT	TREAT BRIDGE DECK	8,444 SQFT
TRANSPO T-18 SLURRY POLYMER OVERLAY	7,280 SQFT	FURNISH BRIDGE DECK TREATMENT MATERIAL	268 GAL	FURNISH BRIDGE DECK TREATMENT MATERIAL	114 GAL
CALIFORNIA AVENUE OVERCROSSING		CROSS CREEK		PACKWOOD CREEK BRIDGE	
QUANTITIES		QUANTITIES		QUANTITIES	
GRIND EPOXY GRIT OVERLAY	5,328 SQFT	PREPARE CONCRETE BRIDGE DECK SURFACE	7,600 SQFT	CLEAN EXPANSION JOINT	226 LF
PREPARE CONCRETE BRIDGE DECK SURFACE	5,328 SQFT	TREAT BRIDGE DECK	7,600 SQFT	JOINT SEAL (MR 1/2")	226 LF
PLACE MULTILAYER POLYMER OVERLAY	5,328 SQFT	FURNISH BRIDGE DECK TREATMENT MATERIAL	103 GAL		
NEES AVENUE OVERCROSSING		NORTH FORK KINGS RIVER		YOKOHI CREEK BRIDGE	
QUANTITIES		QUANTITIES		QUANTITIES	
GRIND EPOXY GRIT OVERLAY	7,364 SQFT	CLEAN EXPANSION JOINT	80 LF	PREPARE CONCRETE BRIDGE DECK SURFACE	4,560 SQFT
PREPARE CONCRETE BRIDGE DECK SURFACE	7,364 SQFT	JOINT SEAL (MR 1")	80 LF	FURNISH POLYESTER CONCRETE OVERLAY	343 CF
BASF DEGADECK BRIDGE DECK OVERLAY	7,364 SQFT			PLACE POLYESTER CONCRETE OVERLAY	4,560 SQFT
CALIOLA UNDERCROSSING		AVENAL CUT-OFF ROAD OC		AKERS STREET UNDERCROSSING	
QUANTITIES		QUANTITIES		QUANTITIES	
GRIND EPOXY GRIT OVERLAY	6,552 SQFT	PREPARE CONCRETE BRIDGE DECK SURFACE	8,910 SQFT	PREPARE CONCRETE BRIDGE DECK SURFACE	12,948 SQFT
PREPARE CONCRETE BRIDGE DECK SURFACE	6,552 SQFT	TREAT BRIDGE DECK	8,910 SQFT	TREAT BRIDGE DECK	12,948 SQFT
CLEAN EXPANSION JOINT	160 LF	FURNISH BRIDGE DECK TREATMENT MATERIAL	120 GAL	FURNISH BRIDGE DECK TREATMENT MATERIAL	174 GAL
JOINT SEAL (MR 1")	160 LF				
TREAT BRIDGE DECK	6,552 SQFT				
FURNISH BRIDGE DECK TREATMENT MATERIAL	87 GAL				
DOMENGINE UNDERCROSSING		ROUTE 5/41 SEPARATION		HORSE CREEK BRIDGE	
QUANTITIES		QUANTITIES		QUANTITIES	
CLEAN EXPANSION JOINT	80 LF	CLEAN EXPANSION JOINT	92 LF	PREPARE CONCRETE BRIDGE DECK SURFACE	13,120 SQFT
JOINT SEAL (MR 1")	80 LF	JOINT SEAL (MR 1")	92 LF	TREAT BRIDGE DECK	13,120 SQFT
				FURNISH BRIDGE DECK TREATMENT MATERIAL	177 GAL
HURON DIKE		AVENAL CUT-OFF ROAD UC			
QUANTITIES		QUANTITIES			
CLEAN EXPANSION JOINT	40 LF	PREPARE CONCRETE BRIDGE DECK SURFACE	8,624 SQFT		
JOINT SEAL (MR 1")	40 LF	TREAT BRIDGE DECK	8,624 SQFT		
		FURNISH BRIDGE DECK TREATMENT MATERIAL	116 GAL		

THE CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL.

DESIGN BY X CHECKED X DETAILS BY M. Hallstrom CHECKED X QUANTITIES BY X CHECKED X	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION		BRIDGE NO. VARIOUS POST MILE VARIES ROUTE 5, 41, 43, 99, 198, 269 BRIDGES QUANTITIES	
	DIVISION OF MAINTENANCE STRUCTURE MAINTENANCE DESIGN		UNIT: 3488 PROJECT NUMBER & PHASE: 0600020114 CONTRACT NO.: 06-0M2101	
	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3		DISREGARD PRINTS BEARING EARLIER REVISION DATES REVISION DATES: 9-23-11 SHEET 4 OF 4	

STRUCTURES MAINTENANCE DETAIL SHEET (ENGLISH) (REV. 09-01-10) FILE => 06-0m2101_04quantities.dgn