INDEX OF PLANS

SHEET No.	DESCRIPTION
1	TITLE AND LOCATION MAP
2	TYPICAL CROSS SECTIONS AND CONSTRUCTION DETAILS
3	CONSTRUCTION AREA SIGNS
4	PAVEMENT DELINEATION QUANTITIES
5	SUMMARY OF QUANTITIES
6-8	REVISED STANDARD PLANS

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

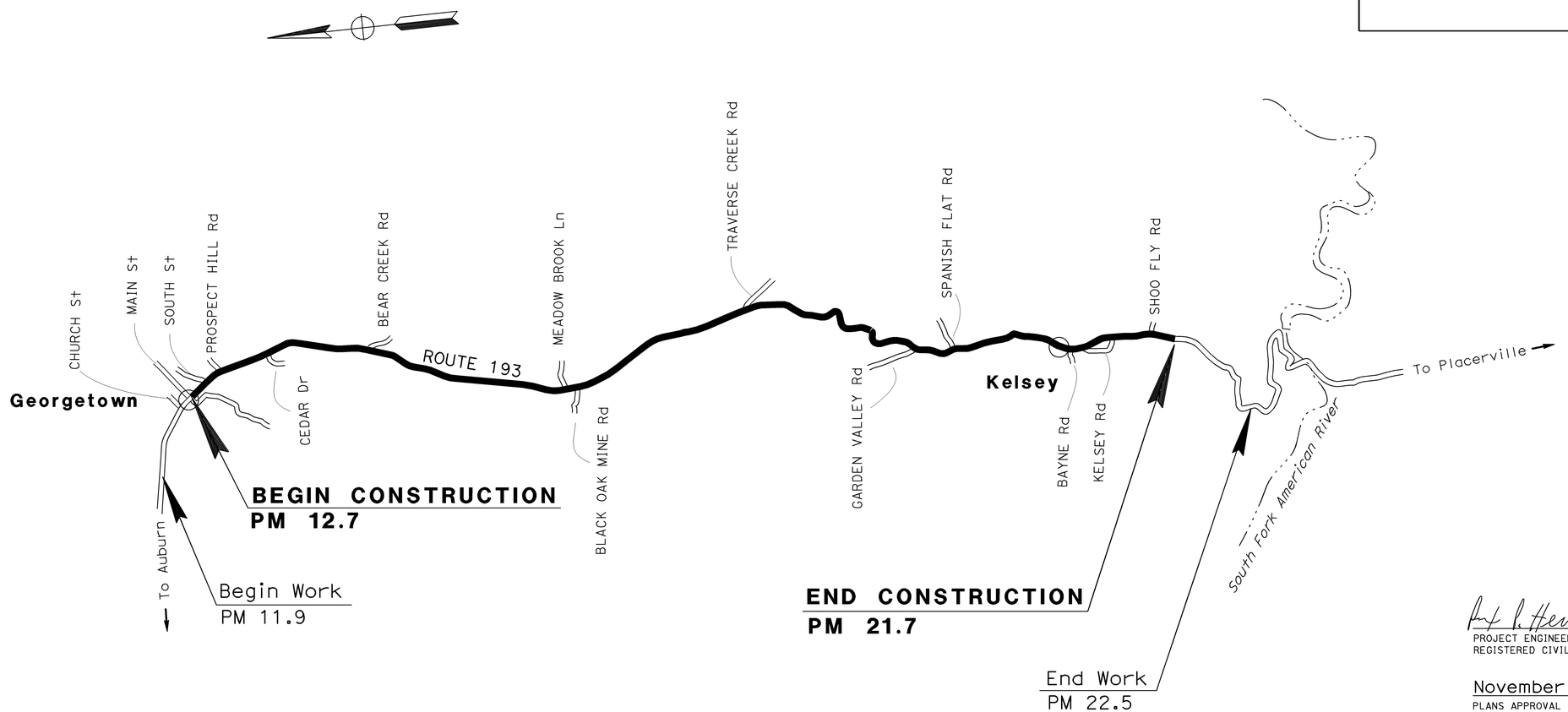
STATE HIGHWAY

IN EL DORADO COUNTY NEAR GEORGETOWN
FROM MAIN STREET
TO 0.2 MILE SOUTH OF SHOO FLY ROAD

TO BE SUPPLEMENTED BY STANDARD PLANS DATED MAY 2006

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	ED	193	12.7/21.7	1	8

LOCATION MAP



NO SCALE

THE CONTRACTOR SHALL POSSESS THE CLASS (OR CLASSES) OF LICENSE AS SPECIFIED IN THE "NOTICE TO BIDDERS."

PROJECT ENGINEER
REGISTERED CIVIL ENGINEER

DATE

November 8, 2010
PLANS APPROVAL DATE

REX P. HERVEY
No. C53302
Exp. 6-30-11
CIVIL
REGISTERED PROFESSIONAL ENGINEER
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.

CONTRACT No.	03-3M8804
PROJECT ID	0300020166

DESIGN ENGINEER: PAT KELLEY
PROJECT MANAGER: PAT KELLEY

LAST REVISION: 08-03-10
DATE PLOTTED => 15-NOV-2010
TIME PLOTTED => 10:34

BORDER LAST REVISED 7/2/2010 | CALTRANS WEB SITE IS: HTTP//WWW.DOT.CA.GOV/ | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | USERNAME => s128033 DGN FILE => 0300020166ab001.dgn | UNIT 0481 | PROJECT NUMBER & PHASE 03000201661

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	ED	193	12.7/21.7	2	8

REGISTERED CIVIL ENGINEER — DATE

REGISTERED PROFESSIONAL ENGINEER
REX P. HERVEY
No. C53302
Exp. 6-30-11
CIVIL
STATE OF CALIFORNIA

11-8-10
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.

NOTES:

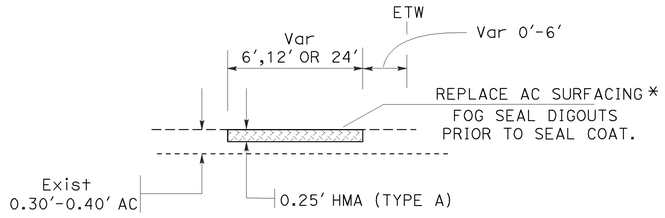
1. DIMENSIONS OF THE PAVEMENT STRUCTURES (STRUCTURAL SECTION) ARE SUBJECT TO THE TOLERANCES SPECIFIED IN THE STANDARD SPECIFICATIONS.
2. EXISTING UTILITY FACILITIES HAVE NOT BEEN PLOTTED ON THESE PLANS.
3. CROSS SLOPES VARY, MATCH EXISTING.
4. * - FOR LOCATIONS AND DIMENSIONS OF REPLACE ASPHALT CONCRETE SURFACING SEE SUMMARY OF QUANTITIES

ABBREVIATION:

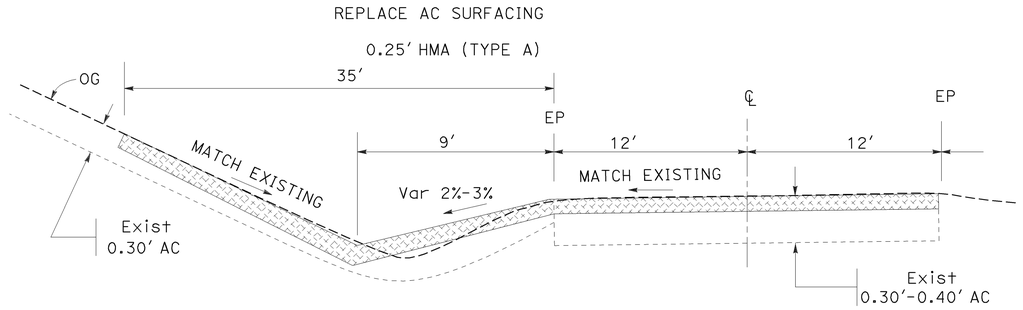
FSC - ASPHALTIC EMULSION (FOG SEAL COAT)

LEGEND:

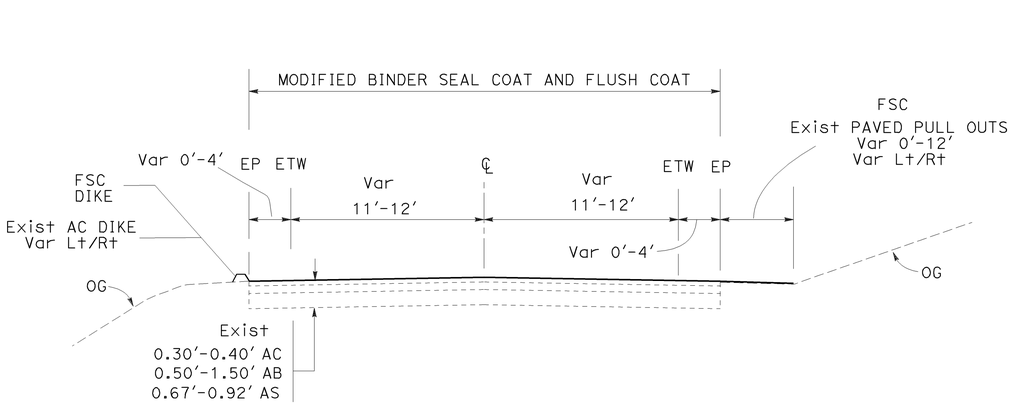
REPLACE ASPHALT CONCRETE SURFACING



REPLACE ASPHALT CONCRETE SURFACING

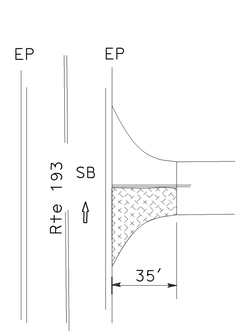


SECTION A-A

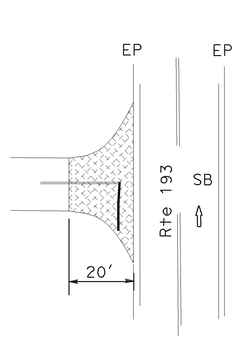


MODIFIED BINDER SEAL COAT AND FLUSH COAT

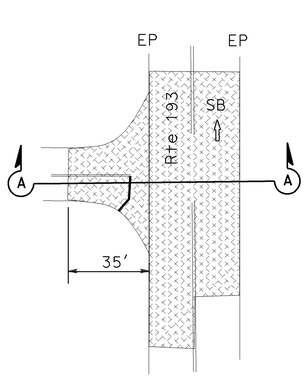
PM 12.7 TO 21.7



Rt PM 16.10 BLACK OAK MINE Rd



Lt PM 14.36 BEAR CREEK Rd



Lt PM 12.85 SOUTH St

COUNTY RD PAVING

TYPICAL CROSS SECTIONS AND CONSTRUCTION DETAILS

NO SCALE

X-1

REVISED BY | DATE REVISED

JOE SAAVEDRA | REX HERVEY

CALCULATED-DESIGNED BY | CHECKED BY

FUNCTIONAL SUPERVISOR: PAT KELLEY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® MAINTENANCE

LAST REVISION 08-03-10 | DATE PLOTTED => 15-NOV-2010 | TIME PLOTTED => 10:34

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	ED	193	12.7/21.7	3	8

REGISTERED CIVIL ENGINEER — DATE

11-8-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — REX P. HERVEY — No. C53302 — 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 SCANNED COPIES OF THIS PLAN SHEET.

STATIONARY MOUNTED CONSTRUCTION AREA SIGNS

SIGN LETTER	SIGN CODE		PANEL SIZE	SIGN MESSAGE	NUMBER OF POST AND SIZE	NUMBER OF SIGNS
	FEDERAL	CALIFORNIA				
(A)	G20-1[Spec](9)		60" x 30"	ROAD WORK NEXT 9 MILES	2 - 4" x 6"	2
(B)		C40(Mod)	48" x 36"	TRAFFIC FINES DOUBLED IN WORK ZONES	1 - 4" x 6"	2
(C)	W20-1	C23	48" x 48"	ROAD WORK AHEAD	1 - 6" x 6"	16
(D)	G20-2	C14	36" x 18"	END ROAD WORK	1 - 4" x 4"	2

NOTES:
1. POST DIMENSIONS ARE NOMINAL.
2. EXACT SIGN LOCATIONS TO BE DETERMINED BY THE ENGINEER.
3. EXISTING UTILITY FACILITIES HAVE NOT BEEN PLOTTED ON THESE PLANS.

LEGEND

SIGN - SINGLE POST

SIGN - DOUBLE POST

SIGN DETAILS

(A) G20-1[Spec](9)

ROAD WORK NEXT 9 MILES

6" C SERIES LETTERS

60"x30"

RETROREFLECTIVE ORANGE BACKGROUND WITH BLACK LEGEND AND BORDER.

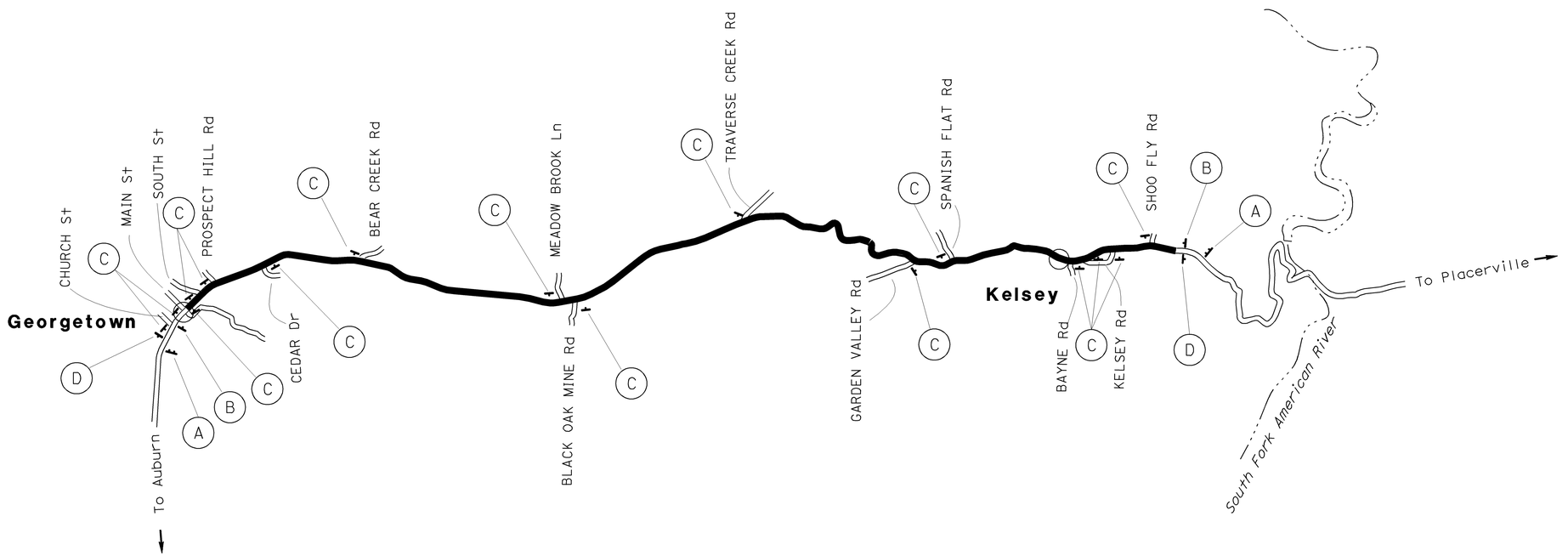
(B) C40(Mod)<CA>

TRAFFIC FINES DOUBLED IN WORK ZONES

4" D SERIES LETTERS

48"x36"

RETROREFLECTIVE WHITE BACKGROUND WITH BLACK LEGEND AND BORDER.



CONSTRUCTION AREA SIGNS

NO SCALE

CS-1

THIS PLAN ACCURATE FOR CONSTRUCTION AREA SIGN WORK ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
MAINTENANCE

FUNCTIONAL SUPERVISOR: PAT KELLEY

CALCULATED-DESIGNED BY: JOE SAAVEDRA
CHECKED BY: REX HERVEY
REVISED BY
DATE REVISED

LAST REVISION — DATE PLOTTED => 15-NOV-2010, TIME PLOTTED => 10:34
08-03-10

BORDER LAST REVISED 7/2/2010

USERNAME => s128033
DGN FILE => 03000201661a001.dgn

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

UNIT 0481

PROJECT NUMBER & PHASE 03000201661

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	ED	193	12.7/21.7	4	8

REGISTERED CIVIL ENGINEER DATE

11-8-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
REX P. HERVEY
No. C53302
Exp. 6-30-11
CIVIL
STATE OF CALIFORNIA

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REMOVE THERMOPLASTIC PAVEMENT MARKING

LOCATION/DESCRIPTION	REMOVE THERMOPLASTIC PAVEMENT MARKING		
	"STOP"	"AHEAD"	LIMIT LINE
	SQFT		
PM 12.7 TO 12.82	66	31	30
TOTAL	127		

PAVEMENT MARKINGS

LOCATION/ DESCRIPTION	THERMOPLASTIC PAVEMENT MARKING			NOTES
	WORDS AND SYMBOLS			
	"STOP"	"AHEAD"	LIMIT LINE	
	SQFT			
PM 12.70 (Lt) MAIN St	44		39	2 "STOP", 30' LIMIT LINE
PM 12.82 (Lt)	22	31		1 "STOP", 1 "AHEAD"
PM 12.85 (Lt) SOUTH St	44		45	2 "STOP", 45' LIMIT LINE
PM 14.29 (Lt) BEAR CREEK Rd	22		22	1 "STOP", 22' LIMIT LINE
PM 16.16 (Rt) BLACK OAK MINE Rd	22		20	1 "STOP", 20' LIMIT LINE
SUBTOTAL	154	31	126	
TOTAL	311			

PAVEMENT STRIPING

LOCATION/ DESCRIPTION	4" THERMOPLASTIC TRAFFIC STRIPE			4" THERMOPLASTIC TRAFFIC STRIPE (BROKEN 12-3)	4" THERMOPLASTIC TRAFFIC STRIPE (BROKEN 36-12)	
DETAIL/TYPE	18	21	27B	27C	5	18
UNITS	LF					
Rte 193 PM 12.7/21.7	8,370	72,460	95,080	1,930	3,150	8,370
TOTAL	175,910			1,930	11,520	

PAVEMENT DELINEATION QUANTITIES

PDQ-1

REVISED BY | DATE REVISED

JOE SAAVEDRA | REX HERVEY

CALCULATED-DESIGNED BY | CHECKED BY

FUNCTIONAL SUPERVISOR: PAT KELLEY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans®
MAINTENANCE

LAST REVISION | DATE PLOTTED => 15-NOV-2010
08-03-10 | TIME PLOTTED => 10:35

BORDER LAST REVISED 7/2/2010

USERNAME => s128033
DGN FILE => 0300020166nc001.dgn

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

UNIT 0481 | PROJECT NUMBER & PHASE 03000201661

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	ED	193	12.7/21.7	5	8

REGISTERED CIVIL ENGINEER DATE

11-8-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
REX P. HERVEY
No. C53302
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 SCANNED COPIES OF THIS PLAN SHEET.

NOTES:

1. SOUTH St
2. BEAR CREEK Rd
3. BLACK OAK MINE Rd
3. PULL OUT

REPLACE ASPHALT CONCRETE SURFACING

DIRECTION	BEGIN	WHEEL PATH	LENGTH	WIDTH	HMA (N)	REPLACE AC SURFACING
	APPROXIMATE PM		LF		TON	CY
SOUTHBOUND	20.62	R/L	110	12	24.4	12.2
	18.73	R/L	200	12	44.4	22.2
	17.70	SEE NOTE 4	50	12	11.2	5.6
	17.70	R/L	80	12	17.8	8.9
	17.09	R/L	100	12	22.2	11.1
	16.79	R/L	200	12	44.4	22.2
	16.08	SEE NOTE 3	Var	Var	11.4	5.7
	15.68	R	20	12	4.4	2.2
	15.62	R	100	6	11.2	5.6
	15.52	R/L	550	12	122.2	61.1
	15.35	R	200	6	22.2	11.1
	14.95	R/L	40	12	8.8	4.4
	14.80	R/L	150	12	33.4	16.7
	14.62	L	30	12	6.6	3.3
	14.58	R/L	100	12	22.2	11.1
	14.41	L	30	6	3.4	1.7
	14.38	L	60	6	6.6	3.3
	14.32	R/L	120	12	26.6	13.3
	14.26	R	50	6	5.6	2.8
	14.24	R/L	120	12	26.6	13.3
	13.88	R/L	50	12	11.2	5.6
	13.71	R/L	250	12	55.6	27.8
	13.43	R/L	185	12	41.2	20.6
	13.40	R	50	6	5.6	2.8
	13.27	R/L	100	12	22.2	11.1
	13.08	R/L	25	12	5.6	2.8
	12.84	R/L	145	12	32.2	16.1
	12.75	R/L	100	12	22.2	11.1
	12.70	R/L	190	25	88.0	44.0
SOUTHBOUND SUBTOTAL						379.7

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

REPLACE ASPHALT CONCRETE SURFACING

DIRECTION	BEGIN	WHEEL PATH	LENGTH	WIDTH	HMA (N)	REPLACE AC SURFACING
	APPROXIMATE PM		LF		TON	CY
NORTHBOUND	20.57	R/L	270	12	60.0	30.0
	19.97	R/L	800	12	177.8	88.9
	19.58	R/L	60	12	13.4	6.7
	18.80	R/L	200	12	44.4	22.2
	18.30	R/L	100	12	22.2	11.1
	17.15	R/L	500	12	111.2	55.6
	16.80	R/L	150	12	35.4	16.7
	15.90	R	70	6	7.8	3.9
	15.62	R/L	20	12	4.4	2.2
	15.52	R/L	500	12	111.2	55.6
	15.34	L	300	6	33.4	16.7
	15.30	R	100	6	11.2	5.6
	15.07	R/L	200	12	44.4	22.2
	14.4	R/L	70	12	15.6	7.8
	14.91	R/L	25	12	5.6	2.8
	14.80	R/L	190	12	42.2	21.1
	14.41	L	30	6	3.4	1.7
	14.30	SEE NOTE 2	Var	Var	11.2	5.6
	14.28	R/L	60	2	13.4	6.7
	14.24	R/L	50	12	11.2	5.6
	13.98	R/L	100	12	22.2	11.1
	13.93	R	20	6	2.2	1.1
	13.27	R/L	300	12	66.6	33.3
	12.85	SEE NOTE 1	Var	Var	49.6	24.8
	12.82	R/L	225	12	50.0	25.0
	12.70	R/L	300	14	77.8	38.9
NORTHBOUND SUBTOTAL						522.9
SOUTHBOUND SUBTOTAL						379.7
TOTAL						902.6

ROADWAY QUANTITY SUMMARY

DESCRIPTION	SCREENINGS HOT APPLIED	MODIFIED BINDER	ASPHALTIC EMULSION (FOG SEAL COAT)	SAND COVER	COMMENTS
	TON	TON	TON	TON	
Rte 193 PM 12.7-21.7	2106	272	36	297	SEAL COAT/FLUSH COAT/PULL OUTS/AC DIKE
TOTAL	2106	272	36	297	

SUMMARY OF QUANTITIES

Q-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
MAINTENANCE
FUNCTIONAL SUPERVISOR: PAT KELLEY
CALCULATED-DESIGNED BY: JOE SAAVEDRA
CHECKED BY: REX HERVEY
REVISED BY
DATE REVISED

LAST REVISION DATE PLOTTED => 15-NOV-2010
TIME PLOTTED => 10:35
08-03-10

BORDER LAST REVISED 7/2/2010
USERNAME => s128033
DGN FILE => 0300020166pa001.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 0481
PROJECT NUMBER & PHASE 03000201661

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	ED	193	12.7/21.7	6	8

Randell D. Hiatt
REGISTERED CIVIL ENGINEER

June 6, 2008
PLANS APPROVAL DATE

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

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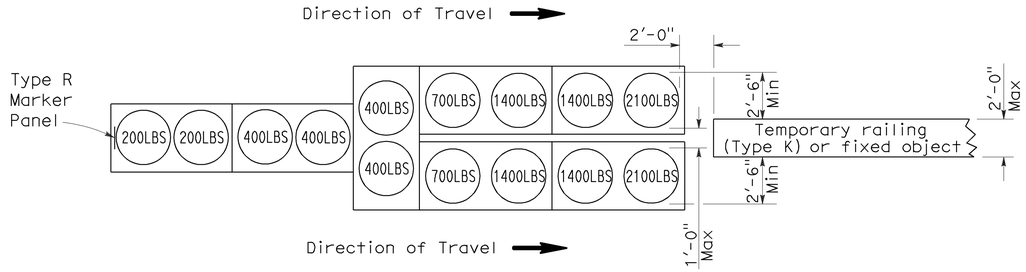
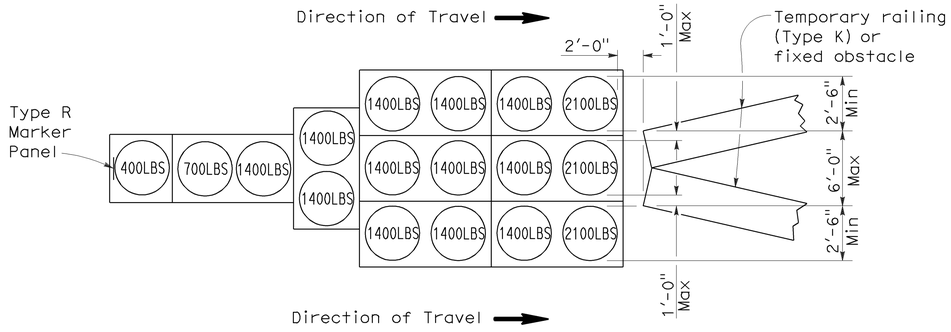
To accompany plans dated 11-8-10



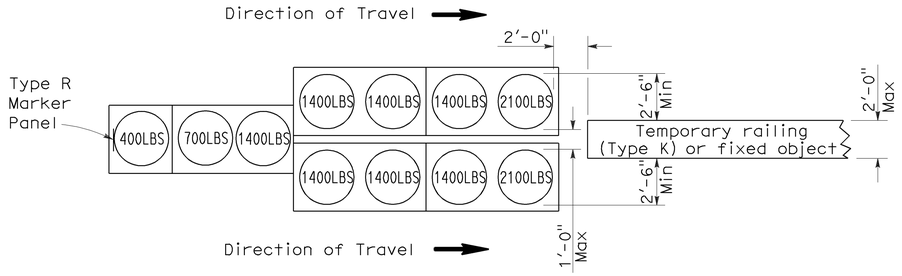
ARRAY 'TU14'

Approach speed 45 mph or more



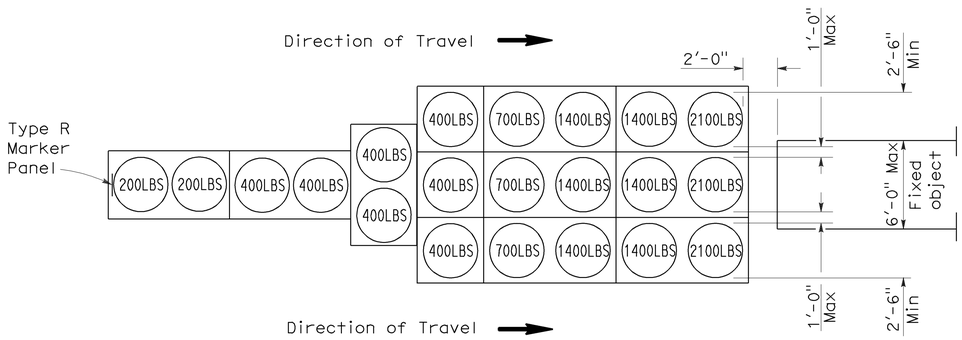
ARRAY 'TU17'

Approach speed less than 45 mph



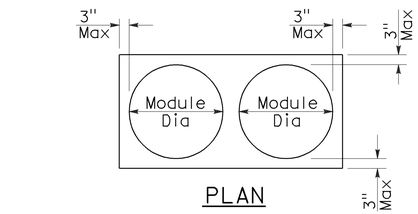
ARRAY 'TU11'

Approach speed less than 45 mph

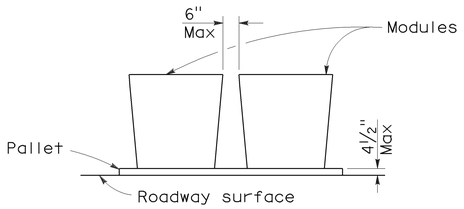


ARRAY 'TU21'

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

5-15-08

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	ED	193	12.7/21.7	7	8

Randell D. Hiatt
REGISTERED CIVIL ENGINEER

June 6, 2008
PLANS APPROVAL DATE

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

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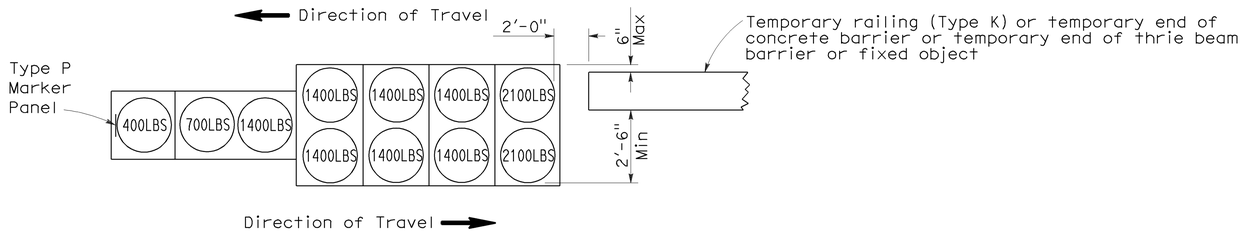
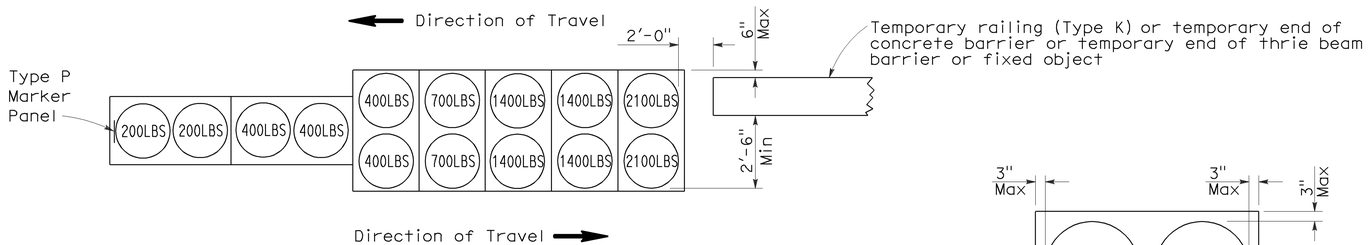
To accompany plans dated 11-8-10



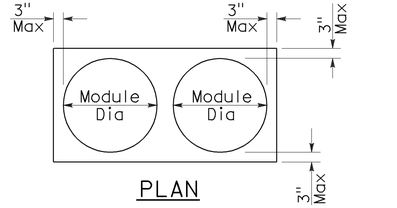
ARRAY 'TB11'

Approach speed less than 45 mph

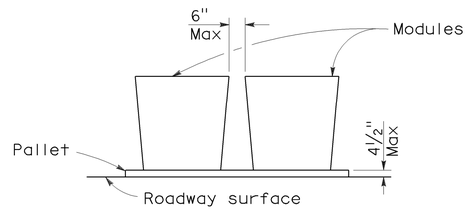


ARRAY 'TB14'

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

5-15-08

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	ED	193	12.7/21.7	8	8

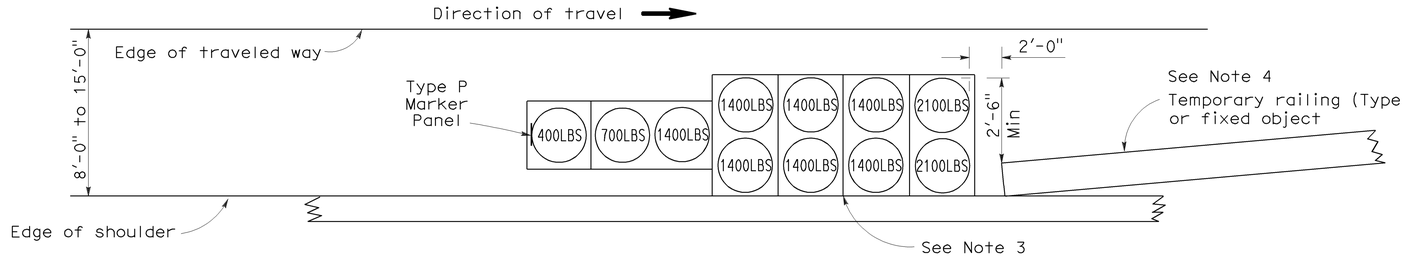
Randell D. Hiatt
REGISTERED CIVIL ENGINEER

June 6, 2008
PLANS APPROVAL DATE

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

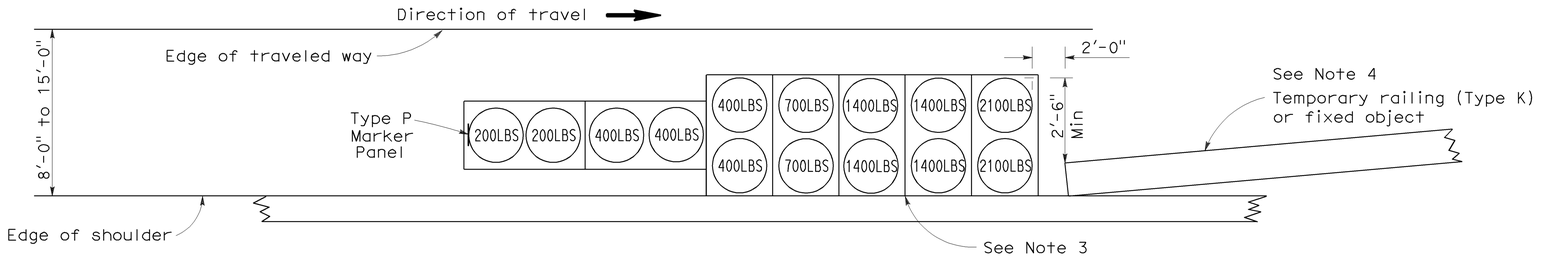
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

To accompany plans dated 11-8-10



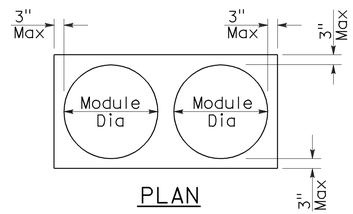
ARRAY 'TS11'

Approach speed less than 45 mph
See Note 9

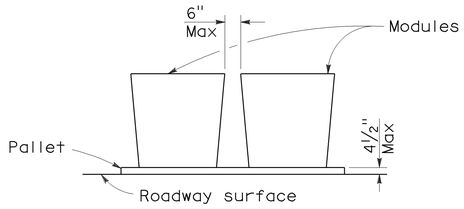


ARRAY 'TS14'

Approach speed 45 mph or more
See Note 9



PLAN



ELEVATION

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

5-15-08