

INDEX OF PLANS

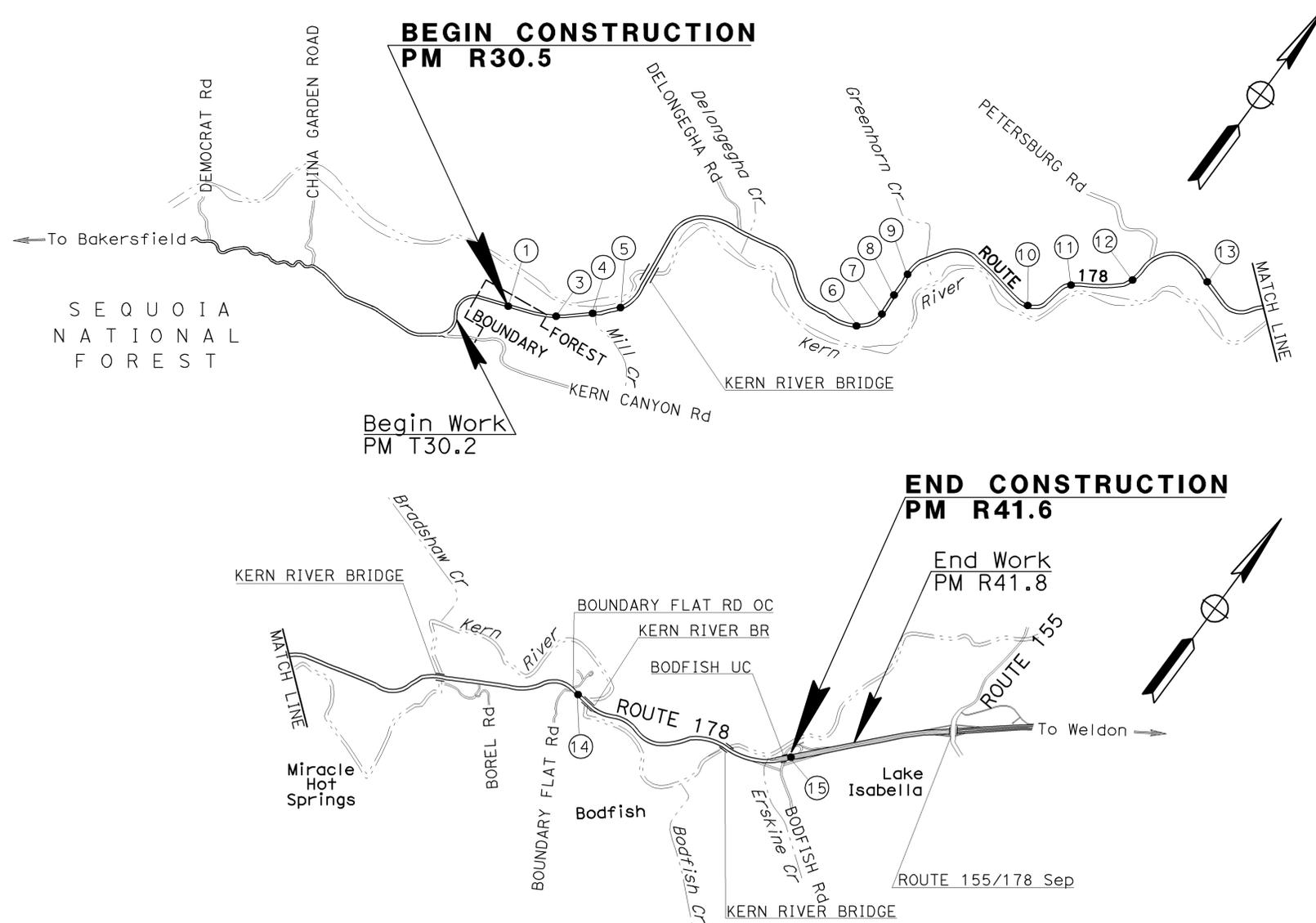
SHEET

No.	DESCRIPTION
1	TITLE AND LOCATION MAP
2	TYPICAL CROSS SECTIONS AND CONSTRUCTION DETAILS
3	CONSTRUCTION AREA SIGNS AND SUMMARY OF QUANTITIES
4-6	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 KERN COUNTY  
NEAR LAKE ISABELLA AT VARIOUS  
LOCATIONS FROM 0.4 MILE EAST OF KERN  
CANYON ROAD TO BODFISH UNDERCROSSING**

TO BE SUPPLEMENTED BY STANDARD PLANS DATED MAY 2006



LOCATIONS OF CONSTRUCTION		
Loc	POST MILE	DESCRIPTION
①	R30.46	0.45 MILE EAST OF KERN CANYON ROAD
<del>②</del>	<del>R30.49</del>	<del>REMOVED FROM THIS PROJECT</del>
③	R30.69	0.68 MILE EAST OF KERN CANYON ROAD
④	R31.27	1.26 MILES EAST OF KERN CANYON ROAD
⑤	R31.41	1.40 MILES EAST OF KERN CANYON ROAD
⑥	R34.52	1.89 MILES EAST OF DELONGEGHA ROAD
⑦	R34.69	2.06 MILES EAST OF DELONGEGHA ROAD
⑧	R34.85	2.22 MILES EAST OF DELONGEGHA ROAD
⑨	R35.05	2.42 MILES EAST OF DELONGEGHA ROAD
⑩	R36.39	0.62 MILE WEST OF PETERSBURG ROAD
⑪	R36.64	0.37 MILE WEST OF PETERSBURG ROAD
⑫	R36.90	0.11 MILE WEST OF PETERSBURG ROAD
⑬	R37.29	0.28 MILE EAST OF PETERSBURG ROAD
⑭	R39.91	0.74 MILE EAST OF BOREL ROAD
⑮	R41.64	AT BODFISH UNDERCROSSING

PROJECT MANAGER  
BILL MOSES

DESIGN ENGINEER  
FRANK GONZALEZ

12-30-10  
 PROJECT ENGINEER DATE  
 REGISTERED CIVIL ENGINEER  
**January 18, 2011**  
 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.



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



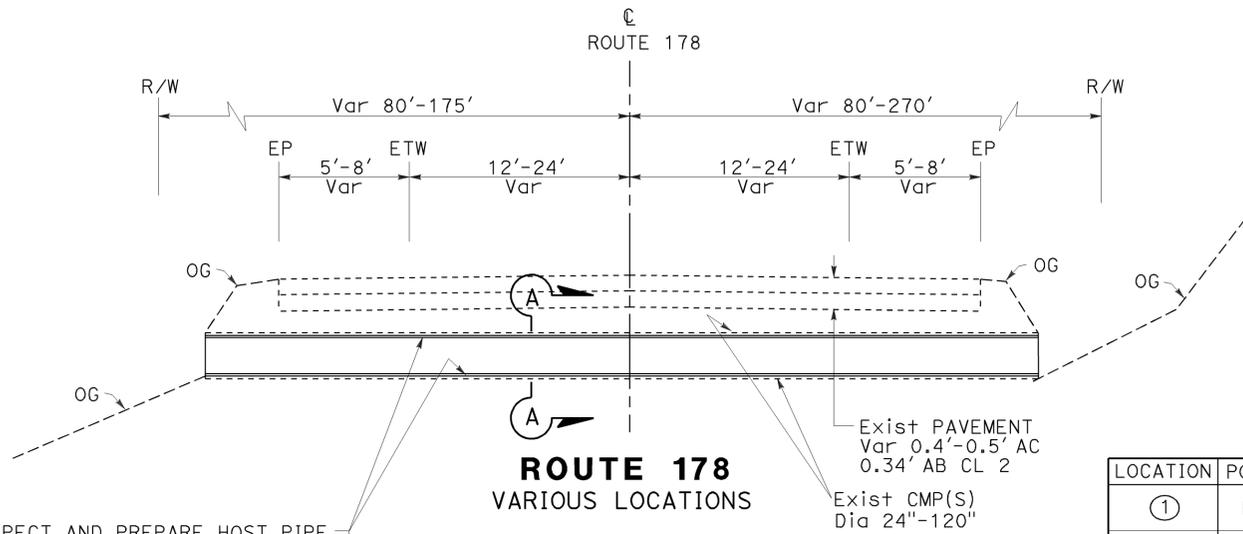
USERNAME => s115755  
DGN FILE => 60m320ab001.dgn

CONTRACT No.	<b>06-0M3204</b>
PROJECT ID	<b>060000954</b>

DATE PLOTTED => 21-JAN-2011  
TIME PLOTTED => 15:06

**NOTES:**

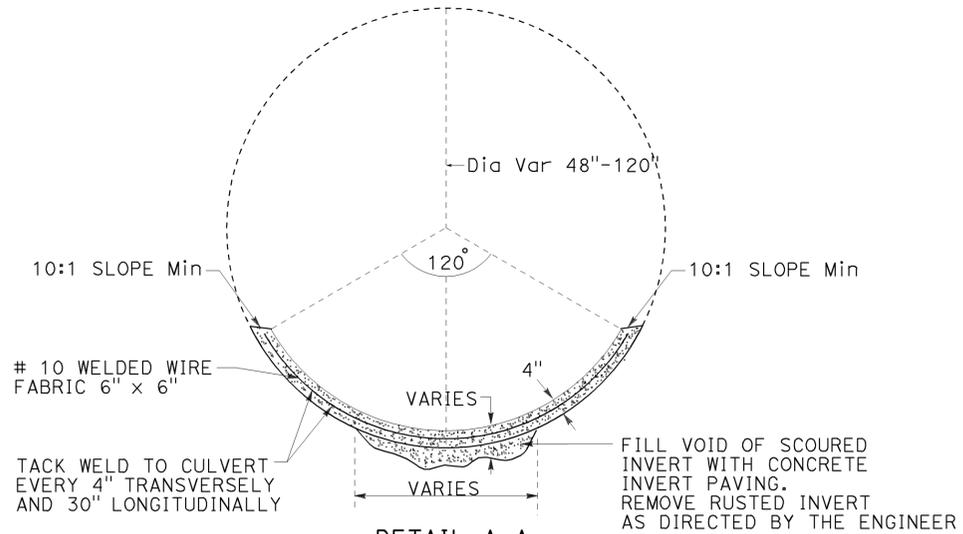
- 1 DIMENSIONS OF THE PAVEMENT STRUCTURES (STRUCTURAL SECTIONS) ARE SUBJECT TO TOLERANCES SPECIFIED IN THE STANDARD SPECIFICATIONS.
- 2 FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT DISTRICT OFFICE.



CLEAN, INSPECT AND PREPARE HOST PIPE  
CURED-IN-PLACE PIPELINER  
CONCRETE INVERT PAVING

**CORRUGATED METAL PIPE CONSTRUCTION DETAILS**

LOCATION	POST MILE	DESCRIPTION	DIAMETER	LENGTH
①	R30.46	CLEANING, INSPECTING AND PREPARING HOST PIPE, CURED-IN-PLACE PIPELINER	24"	195'
③	R30.69	CLEANING, INSPECTING AND PREPARING HOST PIPE, CONCRETE INVERT PAVING	54"	416'
④	R31.27	CLEANING, INSPECTING AND PREPARING HOST PIPE, CONCRETE INVERT PAVING	120"	370'
⑤	R31.41	CLEANING, INSPECTING AND PREPARING HOST PIPE, CURED-IN-PLACE PIPELINER	24"	67'
⑥	R34.52	CLEANING, INSPECTING AND PREPARING HOST PIPE, CONCRETE INVERT PAVING, JOINT REPAIR	60"	297'
⑦	R34.69	CLEANING, INSPECTING AND PREPARING HOST PIPE, CONCRETE INVERT PAVING	120"	303'
⑧	R34.85	CLEANING, INSPECTING AND PREPARING HOST PIPE, CONCRETE INVERT PAVING	66"	317'
⑨	R35.05	CLEANING, INSPECTING AND PREPARING HOST PIPE, CURED-IN-PLACE PIPELINER	42"	276'
⑩	R36.39	CLEANING, INSPECTING AND PREPARING HOST PIPE, CONCRETE INVERT PAVING	60"	273'
⑪	R36.64	CLEANING, INSPECTING AND PREPARING HOST PIPE, CONCRETE INVERT PAVING	72"	348'
⑫	R36.90	CLEANING, INSPECTING AND PREPARING HOST PIPE, CONCRETE INVERT PAVING	96"	176'
⑬	R37.29	CLEANING, INSPECTING AND PREPARING HOST PIPE, CURED-IN-PLACE PIPELINER	36"	248'
⑭	R39.91	CLEANING, INSPECTING AND PREPARING HOST PIPE, CURED-IN-PLACE PIPELINER	24"	156'
⑮	R41.64	CLEANING, INSPECTING AND PREPARING HOST PIPE, CONCRETE INVERT PAVING	48"	176'



DETAIL A-A  
LOCATIONS 3, 4, 6, 7, 8, 10, 11, 12, AND 15  
**CONCRETE INVERT PAVING**

**TYPICAL CROSS SECTIONS AND CONSTRUCTION DETAILS X-1**

NO SCALE

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	178	R30.5/R41.6	3	6

REGISTERED CIVIL ENGINEER	DATE
<i>Jose Victor Echeveste</i>	12-30-10
PLANS APPROVAL DATE	
	1-18-11

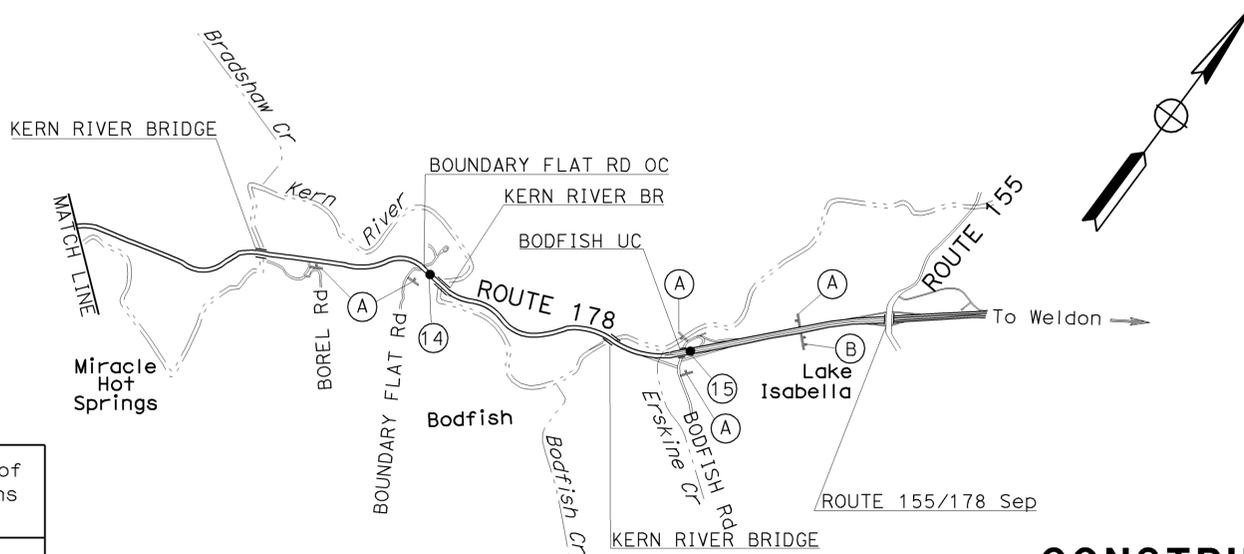
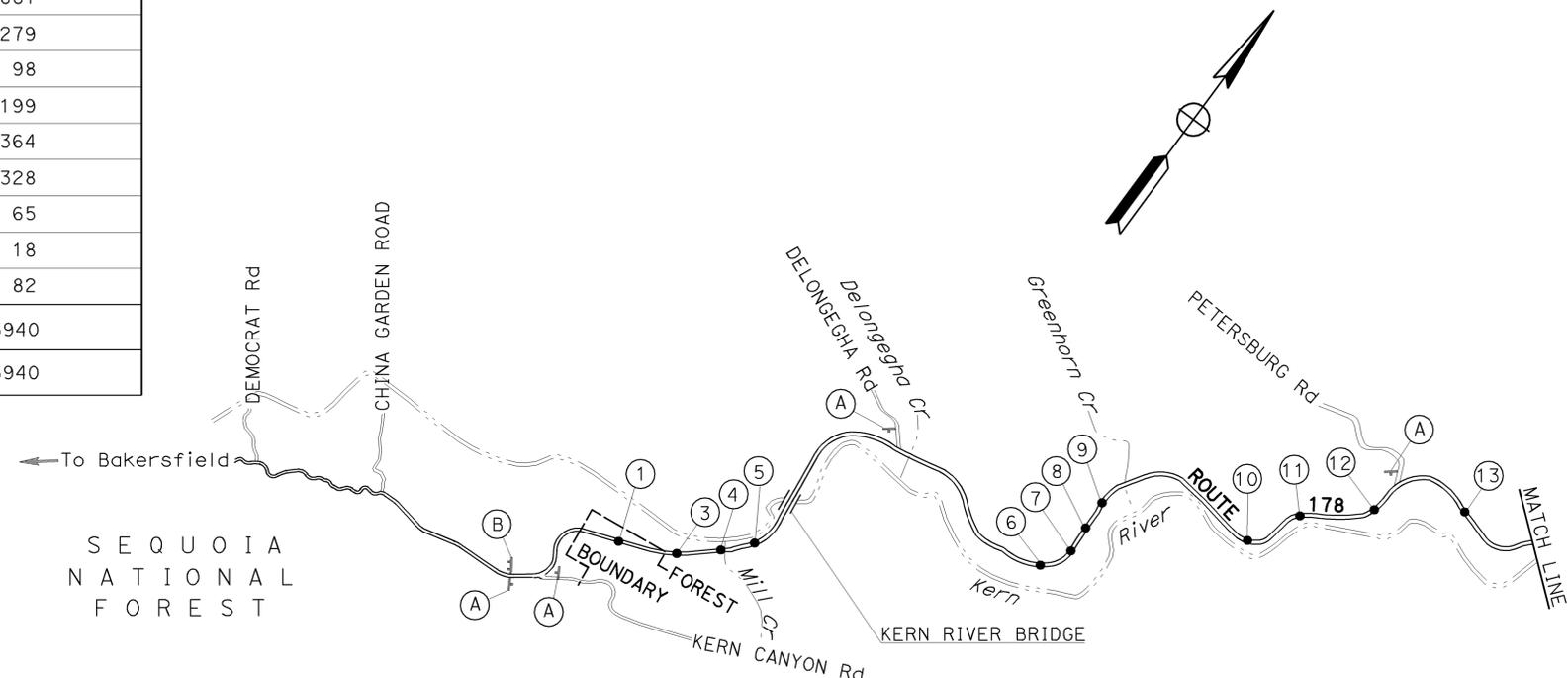
  

REGISTERED PROFESSIONAL ENGINEER	STATE OF CALIFORNIA
JOSE VICTOR ECHEVESTE	No. 50825
Exp. 09-30-11	CIVIL

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### SUMMARY OF QUANTITIES

LOCATION	CURED-IN-PLACE PIPELINER			CONCRETE INVERT PAVING							CLEANING, INSPECTING AND PREPARING HOST PIPE
	24"	36"	42"	48"	54"	60"	66"	72"	96"	120"	
	LF	LF	LF	CY	CY	CY	CY	CY	CY	CY	
①	195										23
③					24						303
④										47	1076
⑤	67										8
⑥						19					216
⑦										39	881
⑧							22				279
⑨			276								98
⑩						17					199
⑪								27			364
⑫									18		328
⑬		248									65
⑭	156										18
⑮				9							82
SUBTOTAL	418	248	276	9	24	36	22	27	18	86	3940
TOTAL	418	248	276	222							3940



### STATIONARY MOUNTED CONSTRUCTION AREA SIGNS

Sign No.	Sign Code	Panel Size	Sign Message	No. of Post and Size	No. of Signs
Ⓐ	W20-1	48" x 48"	ROAD WORK AHEAD	1 - 4" x 6"	9
Ⓑ	G20-2	48" x 18"	END ROAD WORK	2 - 4" x 4"	2

NOTE: SIGN LOCATIONS SHOWN ARE APPROXIMATE ONLY. EXACT LOCATIONS TO BE DETERMINED BY THE ENGINEER

## CONSTRUCTION AREA SIGNS AND SUMMARY OF QUANTITIES Q-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION - MAINTENANCE DESIGN

REVISOR: SADHU SANGHA, JOSE VICTOR ECHEVESTE

FUNCTIONAL SUPERVISOR: FRANK GONZALEZ

DESIGNER: FRANK GONZALEZ

NO SCALE

LAST REVISION DATE PLOTTED => 21-JAN-2011 01-06-11 TIME PLOTTED => 15:06

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
06	Ker	178	R30.5/R41.6	4	6

*Randell D. Hiatt*  
REGISTERED CIVIL ENGINEER

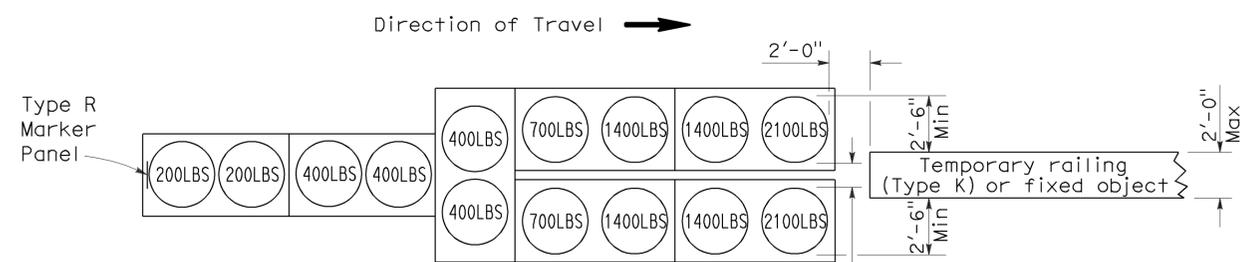
June 6, 2008  
PLANS APPROVAL DATE

*Randell D. Hiatt*  
No. C50200  
Exp. 6-30-09  
CIVIL  
STATE OF CALIFORNIA

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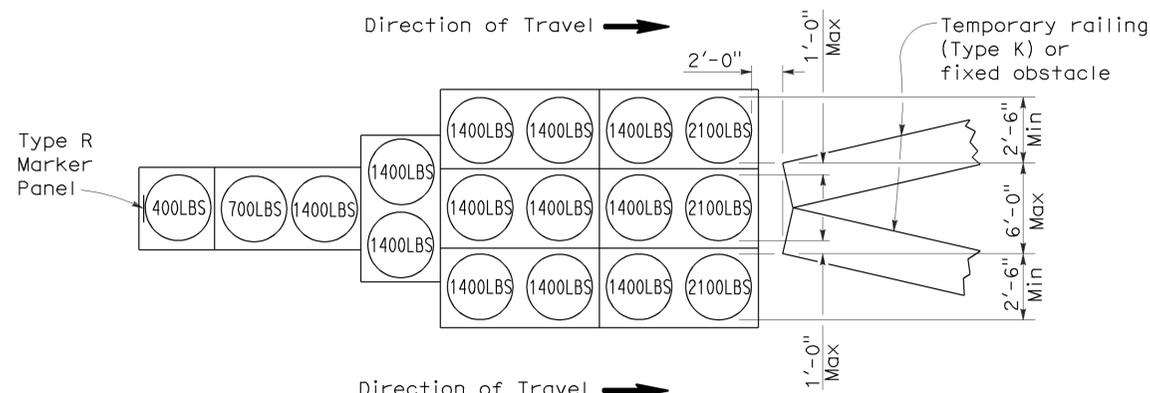
To accompany plans dated 1-18-11

2006 REVISED STANDARD PLAN RSP T1A



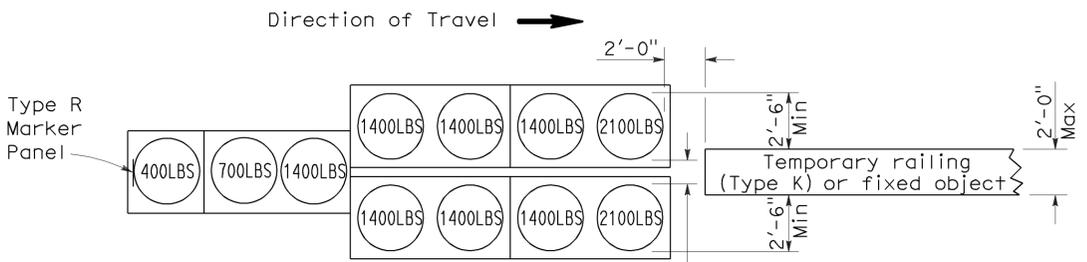
**ARRAY 'TU14'**

Approach speed 45 mph or more



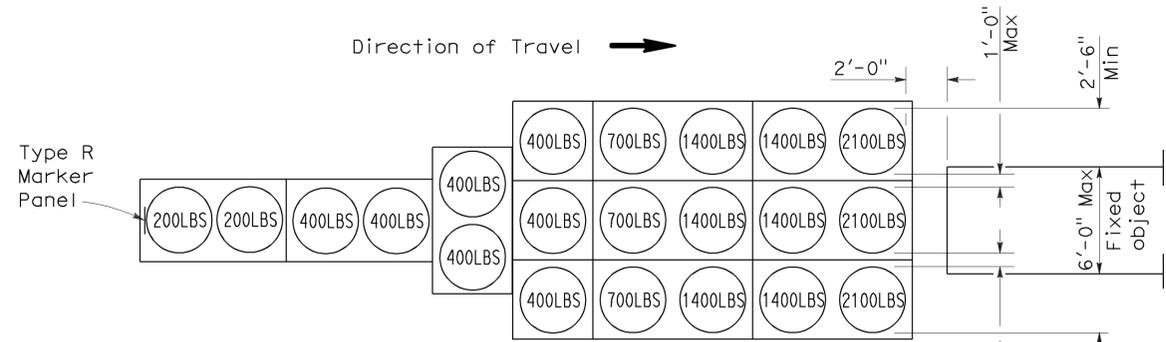
**ARRAY 'TU17'**

Approach speed less than 45 mph



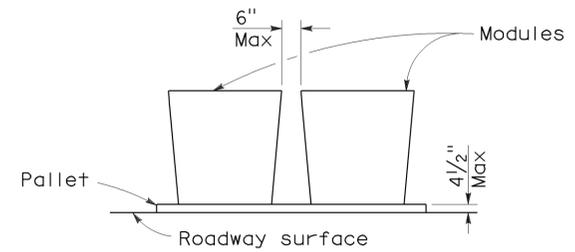
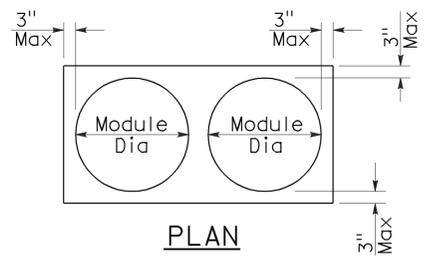
**ARRAY 'TU11'**

Approach speed less than 45 mph



**ARRAY 'TU21'**

Approach speed 45 mph or more



**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**

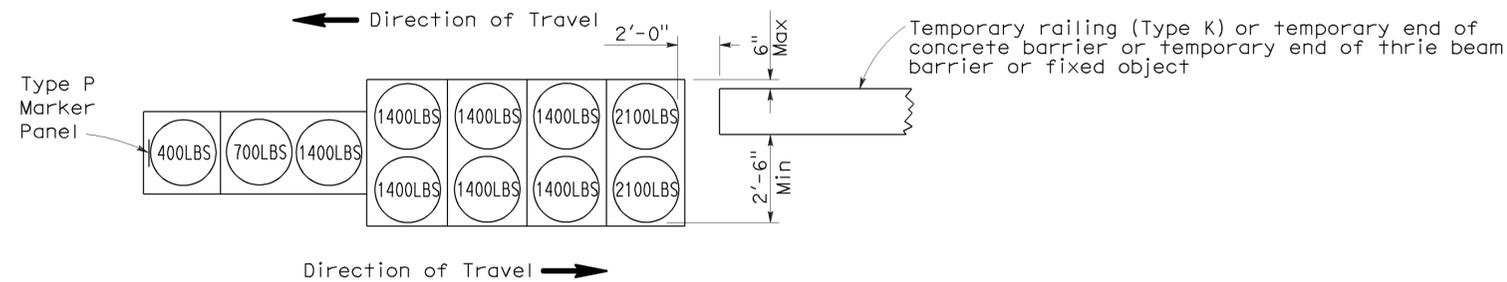
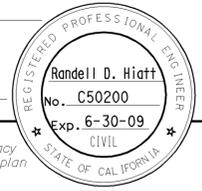
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
06	Ker	178	R30.5/R41.6	5	6

*Randell D. Hiatt*  
REGISTERED CIVIL ENGINEER

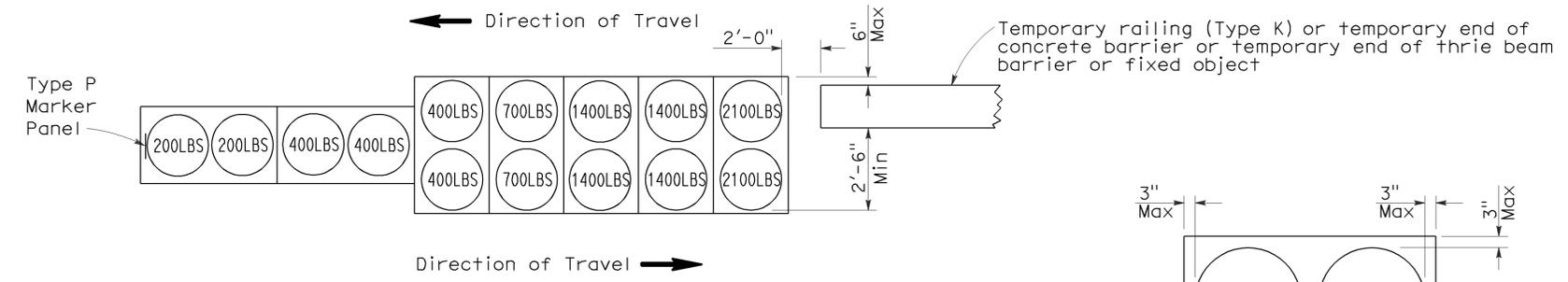
June 6, 2008  
PLANS APPROVAL DATE

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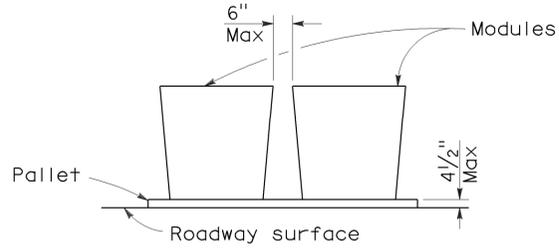
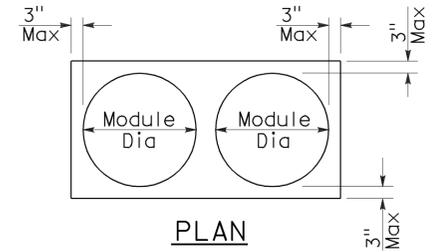
To accompany plans dated 1-18-11



**ARRAY 'TB11'**  
Approach speed less than 45 mph



**ARRAY 'TB14'**  
Approach speed 45 mph or more



**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

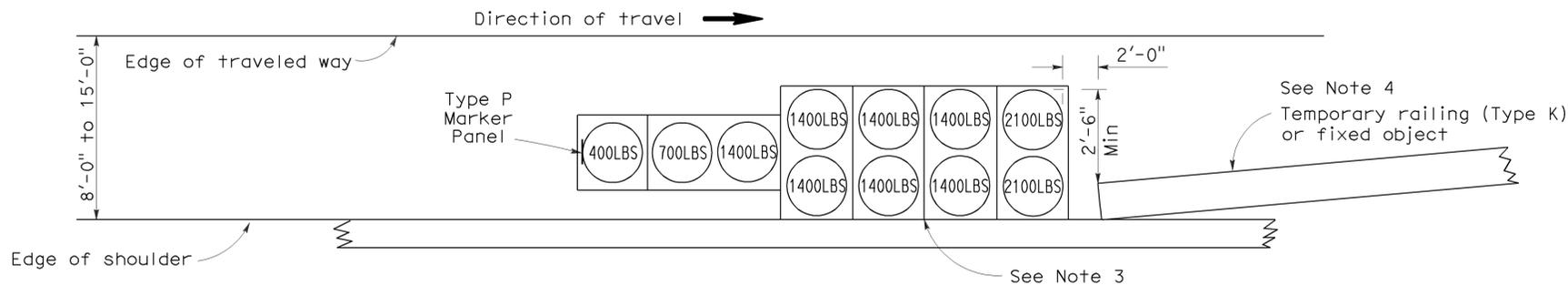
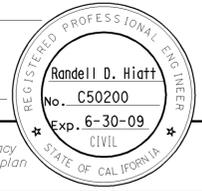
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
06	Ker	178	R30.5/R41.6	6	6

*Randell D. Hiatt*  
REGISTERED CIVIL ENGINEER

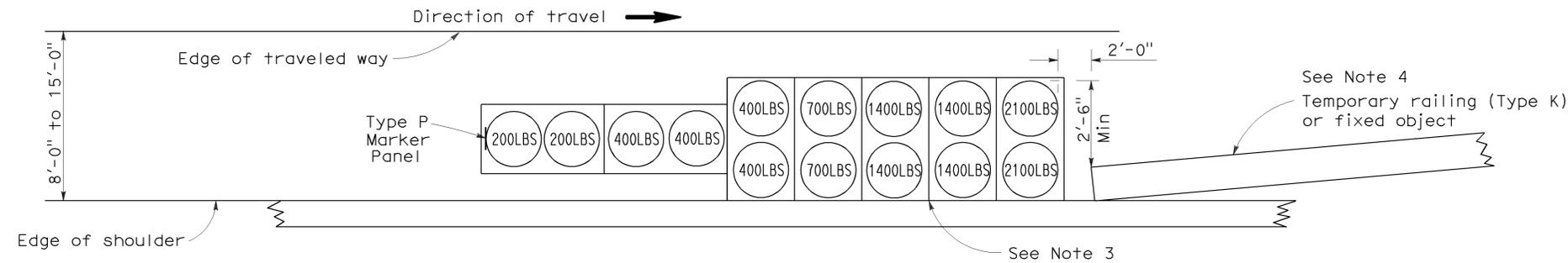
June 6, 2008  
PLANS APPROVAL DATE

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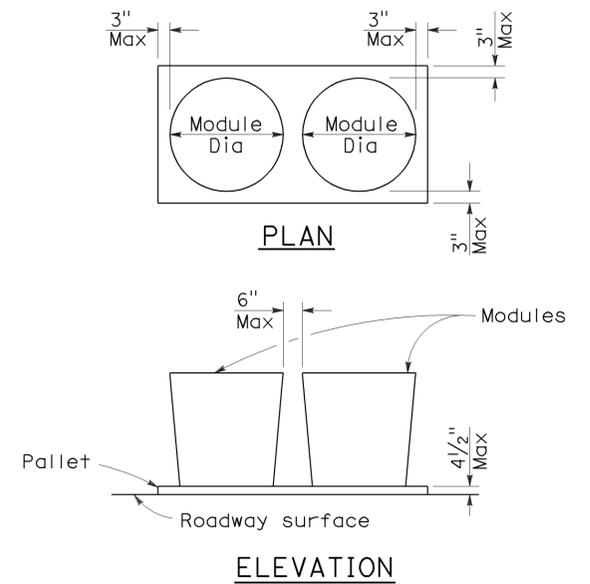
To accompany plans dated 1-18-11



**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:**

- (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.
- All sand weights are nominal.
- 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.
- 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.
- Temporary crash cushion arrays shall not encroach on the traveled way.
- Arrays for median shoulders shall conform to details shown on this plan for outside shoulders.
- Place the Type P marker panel so that the bottom of the panel rests upon the pallet and faces traffic.
- Refer to Standard Plan A73B for marker details.
- 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.
- Approach speeds indicated conform to NCHRP 350 Report criteria.
- 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