Bay Area Toll Authority

EA 04-977088-3TRFC

BATA TOLL PLAZA IMPROVEMENT PROJECTS
PROCUREMENT PACKAGE: SIGN STRUCTURES AND ROADSIDE SIGN PANELS
PLANS

Sheet Number	Sheet Code	Toll Plaza Site	Description
1	SQ 3	Carquinez-Antioch	Sign Quantities
2	SQ 4	Carquinez-Antioch	Sign Quantities
3	SD 2	Carquinez Bridge	Sign Details
4	SD 4	Carquinez-Antioch	Sign Details
5	SD 5	Carquinez-Antioch	Sign Details
6	CS 1	Carquinez Bridge	Construction Area Signs
7	CS 2	Antioch Bridge	Construction Area Signs
8	SQ 3	SFOBB - Richmond	Sign Quantities
9	SQ 4	SFOBB - Richmond	Sign Quantities
10	SD 2	SFOBB	Sign Details
11	SD 4	Richmond - San Rafael Bridge	Sign Details
12	SD 5	SFOBB - Richmond / San Rafael Bridge	Sign Details
13	SD 6	SFOBB - Richmond / San Rafael Bridge	Sign Details
14	CS 1	SFOBB	Construction Area Signs
15	CS 2	SFOBB	Construction Area Signs
16	CS 3	SFOBB - Richmond / San Rafael Bridge	Construction Sign Details
17	SQ 3	Dumbarton -San Mateo	Sign Quantities
18	SD 2	Dumbarton Bridge	Sign Details
19	SD 4	San Mateo - Hayward Bridge	Sign Details
20	SD 5	Dumbarton -San Mateo	Sign Details
21	SD 6	Dumbarton -San Mateo	Sign Details
22	CS 1	Dumbarton Bridge	Construction Area Signs
23	CS 2	San Mateo - Hayward Bridge	Construction Area Signs
24	CS 3	Dumbarton -San Mateo	Construction Sign Details
25	SQ 2	Benicia	Sign Quantities
26	SD 2	Benicia	Sign Details
27	SD 3	Benicia	Sign Details
28	SD 4	Benicia	Sign Details
29	CS 1	Benicia	Construction Area Signs

AUGUST 18, 2006

DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No	TOTAL SHEETS
04	CC,Sol	80,160	21.2/22.7,0.0/1.0 0.0/0.7	1	

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

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REGISTERED PROFESSIONAL ENGINEER TIMOTHY JOHN LEE No. C50805 Exp. 9-30-07 CIVIL STATE OF CALIFORNIA

Caltrans Metric

MATERIAL PROCUREMENT PLAN
[NOT FOR CONSTRUCTION]
AUGUST 18, 2006

BAY AREA TOLL AUTHORITY
101 EIGHT STREET
OAKLAND, CA 94607

URS CORPORATION
55 S. MARKET STREET, SUITE 1500
SAN JOSE, CA 95113

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OWNER FURNISHED SIGN QUANTITIES

Sheet No.	Sign No.	Sign Code	Sign Size LxD (mm x mm)			Sign Area (m2)	Single Faced	Background Sheeting Color	Background Retroreflective ASTM Type	Legend Sheeting Color	Legend Retroreflective ASTM Type	Graffiti Film Premium	Roadside Single Sheet Framed Aluminum 1.6 mm (m2)	Roadside Single Sheet Framed Aluminum 2.0 mm (m2)	Roadside Single Sheet Unframed Aluminum 1.6 mm (m2)	Roadside Single Sheet Unframed Aluminum 2.0 mm (m2)	Roadside Laminated Type B 25.4 mm (m2)	Overhead Formed with RSPF (m2)
S-1	1	Special	2440	x	452	1.10	X	White	III	Black	III	X		1.10				
S-1	2	Special	1370	x	1800	2.47	X	White	III	Black	III	X	2.47					
S-1	3	Special	6000	x	2540	15.24	X	Yellow	III	Black	III	X						15.24
												Subtotal	2.47	1.10				15.24
S-2	1	R82-1 (CA)	914	x	1676	1.53	X	White	III	Black	III	X				1.53		
S-2	2	Special	1200	x	1200	1.44	X	Yellow	III	Black	III	X				1.44		
S-2	3	Special	1500	x	1500	2.25	X	White	III	Black	III	X	2.25					
S-2	4	Special	1200	x	1200	1.44	X	White	III	Black	III	X				1.44		
S-2	7	Special	1500	x	1500	2.25	X	Yellow	III	Black	III	X	2.25					
S-2	10	Special	4270	x	2540	10.85	X	Yellow	III	Black	III	X						10.85
S-2	11	Special	1200	x	1200	1.44	X	Yellow	III	Black	III	X				1.44		
S-2	12	Special	1200	x	1200	1.44	X	Yellow	III	Black	III	X				1.44		
												Subtotal	4.50			7.29		10.85
S-3	1	R93-2 (Special)	2134	x	914	1.95	X	White	III	Black	III	X		1.95				
		R82B (CA)	914	x	610	0.56	X	White	III	Black	III	X			0.56			
S-3	2	Special	2440	x	1200	2.93	X	White	III	Black	III	X		2.93				
S-3	3	Special	900	x	900	0.81	X	White	III	Black	III	X			0.81			
		Special	1500	x	1200	1.80	X	Yellow	III	Black	III	X				1.80		
S-3	5	Special	2440	x	1200	2.93	X	White	III	Black	III	X		2.93				
S-3	6	Special	1200	x	1200	1.44	X	White	III	Black	III	X				1.44		
S-3	7	Special	1500	x	1200	1.80	X	Yellow	III	Black	III	X				1.80		
												Subtotal		7.81	1.37	5.04		
S-4	1	Special	2440	x	452	1.10	X	White	III	Black	III	X		1.10				
S-4	2	Special	2440	x	452	1.10	X	White	III	Black	III	X		1.10				
S-4	3	Special	1200	x	1200	1.44	X	Yellow	III	Black	III	X				1.44		
S-4	4	Special	1200	x	1200	1.44	X	Yellow	III	Black	III	X				1.44		
S-4	5	Special	1370	x	1800	2.47	X	White	III	Black	III	X	2.47					
S-4	6	Special	4270	x	2540	10.85	X	Yellow	III	Black	III	X						10.85
S-4	7	Special	4880	x	2540	12.40	X	Yellow	III	Black	III	X						12.40
S-4	8	Special	1200	x	1200	1.44	X	Yellow	III	Black	III	X				1.44		
S-4	9	Special	1200	x	1200	1.44	X	Yellow	III	Black	III	X				1.44		
												Subtotal	2.47	2.21		5.76		23.24

SIGN QUANTITIES
(CARQUINEZ - ANTIOCH)
NO SCALE

SQ-3

DATE	REVISED BY	DATE REVISED
X-XX	DW	X-XX BR

CALCULATED/DESIGNED BY
CHECKED BY
DESIGN OVERSIGHT

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

$FREQUEST

FOR REDUCED PLANS ORIGINAL SCALE IS IN MILLIMETERS 0 10 20 30 40

USERNAME => VCJ
DGN FILE => $FILE$

CU XXXXX

EA XXXXXX

LAST REVISION 00-00-00 DATE PLOTTED => $DATE$ TIME PLOTTED => $TIME$

MATERIAL PROCUREMENT PLAN
[NOT FOR CONSTRUCTION]
AUGUST 18, 2006

Caltrans Metric

DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No	TOTAL SHEETS
04	CC,Sol	80,160	21.2/22.7,0.0/1.0 0.0/0.7	2	

REGISTERED CIVIL ENGINEER DATE

REGISTERED PROFESSIONAL ENGINEER TIMOTHY JOHN LEE No. C50605 EXP. 9-30-07 CIVIL STATE OF CALIFORNIA

PLANS APPROVAL DATE

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BAY AREA TOLL AUTHORITY
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OAKLAND, CA 94607

URS CORPORATION
55 S. MARKET STREET, SUITE 1500
SAN JOSE, CA 95113

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S-5	1	Special	1200	x	1200	1.44	X	Yellow	III	Black	III	X				1.44		
S-5	2	Special	1200	x	1200	1.44	X	Yellow	III	Black	III	X				1.44		
S-5	3	Special	900	x	900	0.81	X	White	III	Black	III	X			0.81			
S-5	4	Special	900	x	900	0.81	X	White	III	Black	III	X			0.81			
S-5	6	Special	3660	x	1778	6.51	X	White	III	Black	III	X						6.51
S-5	8	Special	3660	x	1778	6.51	X	White	III	Black	III	X						6.51
S-5	9	Special	2440	x	1200	2.93	X	White	III	Black	III	X		2.93				
S-5	10	Special	2440	x	1200	2.93	X	White	III	Black	III	X		2.93				
S-5	11	Special	1200	x	1200	1.44	X	White	III	Black	III	X				1.44		
												Subtotal		5.86	1.62	4.32		13.01
SD-1	6	R2-1 (25)	600	x	750	0.45	X	White	III	Black	III	X			0.45			
SD-1	7	R2-1 (25)	600	x	750	0.45	X	White	III	Black	III	X			0.45			
SD-1	8	R2-1 (5)	600	x	750	0.45	X					X			0.45			
SD-1	9	R2-1 (5)	600	x	750	0.45	X	White	III	Black	III	X			0.45			
SD-1	10	W11-2	600	x	600	0.36	X	Yellow	III	Black	III	X			0.36			
SD-1	11	W11-2	600	x	600	0.36	X	Yellow	III	Black	III	X			0.36			
SD-1	12	R2-1 (5)	600	x	750	0.45	X	White	III	Black	III	X			0.45			
SD-1	13	W11-2	600	x	600	0.36	X	Yellow	III	Black	III	X			0.36			
SD-1	14	W11-2	600	x	600	0.36	X	Yellow	III	Black	III	X			0.36			
SD-1	15	W11-2	600	x	600	0.36	X	Yellow	III	Black	III	X			0.36			
SD-1	16	R2-1 (5)	600	x	750	0.45	X	White	III	Black	III	X			0.45			
SD-1	18	Special	3660	x	609	2.23	X	White	III	Black	III	X					2.23	
SD-1	19	Special	3660	x	609	2.23	X	White	III	Black	III	X					2.23	
SD-1	20	Special	3660	x	609	2.23	X	White	III	Black	III	X					2.23	
SD-1	21	Special	3660	x	609	2.23	X	White	III	Black	III	X					2.23	
SD-1	26	Special	3660	x	609	2.23	X	White	III	Black	III	X					2.23	
SD-1	27	Special	3660	x	609	2.23	X	White	III	Black	III	X					2.23	
SD-1	30	Special	3660	x	609	2.23	X	White	III	Black	III	X					2.23	
SD-1	31	Special	3660	x	609	2.23	X	White	III	Black	III	X					2.23	
SD-1	32	Special	3660	x	609	2.23	X	White	III	Black	III	X					2.23	
SD-1	33	Special	3660	x	609	2.23	X	White	III	Black	III	X					2.23	
												Subtotal			4.50		22.29	
SD-3	1	Special	3660	x	609	2.23	X	White	III	Black	III	X					2.23	
SD-3	2	Special	3660	x	609	2.23	X	White	III	Black	III	X					2.23	
SD-3	3	Special	3660	x	609	2.23	X	White	III	Black	III	X					2.23	
SD-3	4	R2-1 (25)	600	x	750	0.45	X	White	III	Black	III	X			0.45			
SD-3	5	R2-1 (5)	600	x	750	0.45	X	White	III	Black	III	X			0.45			
SD-3	6	W11-2	600	x	600	0.36	X	Yellow	III	Black	III	X			0.36			
SD-3	7	R2-1 (5)	600	x	750	0.45	X	White	III	Black	III	X			0.45			
SD-3	8	W11-2	600	x	600	0.36	X	Yellow	III	Black	III	X			0.36			
												Subtotal			2.07		6.69	
												Total	9.43	16.97	9.56	22.41	28.98	62.34

SIGN QUANTITIES
(CARQUINEZ - ANTIOCH)
NO SCALE

SQ-4

DESIGN OVERSIGHT

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans

CALCULATED/DESIGNED BY | DW | DATE X-XX | REVISED BY
CHECKED BY | BR | X-XX | DATE REVISED

$FREQUEST

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USERNAME => VCJ
DGN FILE => $FILE$

CU XXXXX

EA XXXXXX

LAST REVISION 00-00-00 | DATE PLOTTED => $DATE$ | TIME PLOTTED => $TIME$

DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No	TOTAL SHEETS
04	CC,Sol	80,160	21.2/22.7,0.,0/1.0 0.0/0.7	3	

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER TIMOTHY JOHN LEE No. C50605 Exp. 9-30-07 CIVIL STATE OF CALIFORNIA

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OAKLAND, CA 94607

URS CORPORATION
55 S. MARKET STREET, SUITE 1500
SAN JOSE, CA 95113

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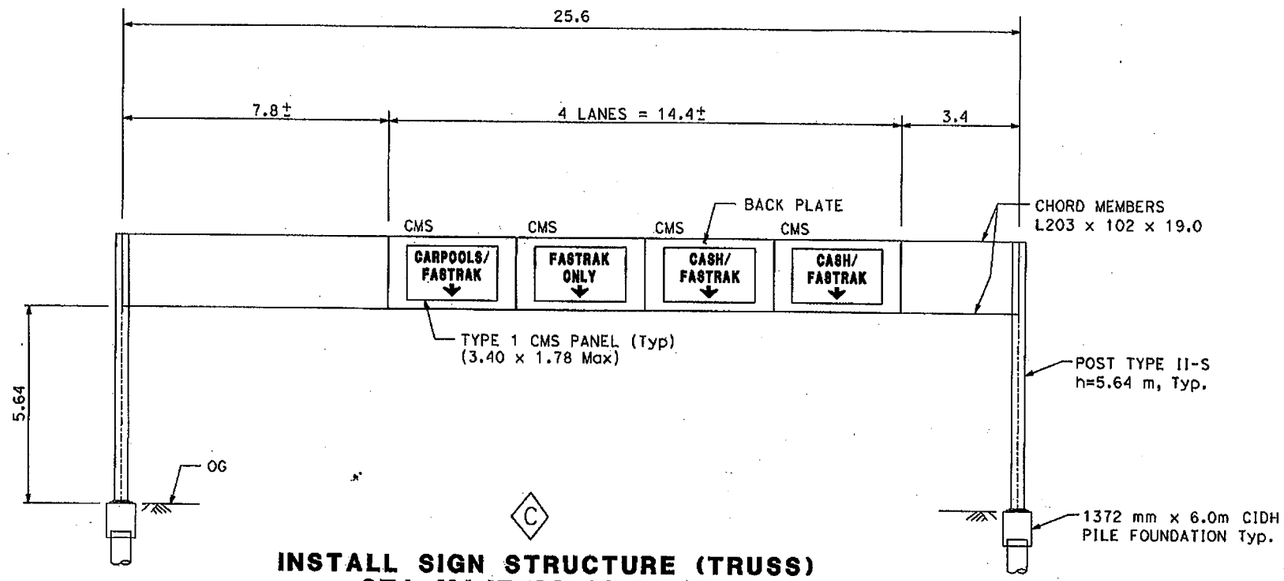
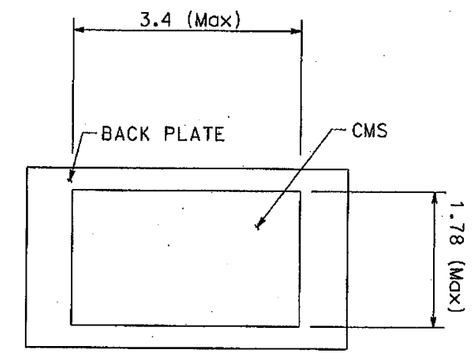
MATERIAL PROCUREMENT PLAN
[NOT FOR CONSTRUCTION]
AUGUST 18, 2006



INSTALL SIGN STRUCTURE (TRUSS)
STA MA4E 20+30 (FEBT)

NOTE: TRUSS DESIGN AS PER STANDARD PLAN S11 FOR PANEL DEPTH=2286 mm UNLESS NOTED OTHERWISE.



TYPE 1 CMS PANEL

SIGN DETAILS
(CARQUINEZ BRIDGE)

NO SCALE

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

SD-2

CALCULATED/ DESIGNED BY	DW	DATE X-XX	REVISED BY
CHECKED BY	BR	X-XX	DATE REVISED

DESIGN OVERSIGHT

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

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DGN FILE => $FILE$

CU XXXXX

EA XXXXXX

LAST REVISION 00-00-00 DATE PLOTTED => $DATE$ TIME PLOTTED => $TIME$

DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No	TOTAL SHEETS
04	CC,Sol	80,160	21.2/22.7,0.,0/1.0 0.0/0.7	4	

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

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Caltrans Metric

MATERIAL PROCUREMENT PLAN
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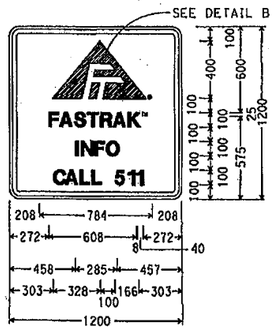
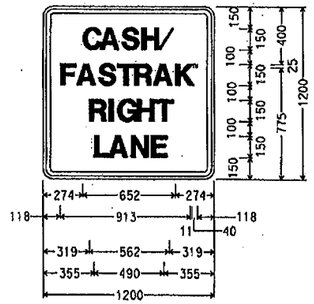
AUGUST 18, 2006



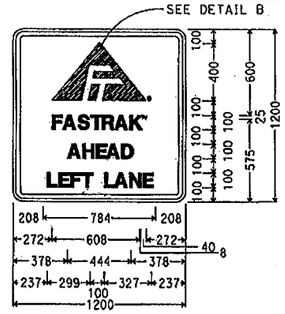
70mm Radius, 30mm Border, 20mm Indent, Black on White; [XX] E Mod; [FASTRAKTM] D; [INFO] D; [CALL 511] D;

SIGN 6 ON S-3
SIGN 11 ON S-5



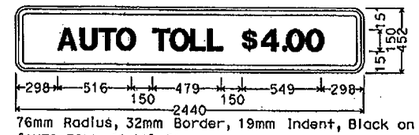
70mm Radius, 30mm Border, 20mm Indent, Black on Yellow; [CASH/] D; [FASTRAKTM] D; [RIGHT] D; [LANE] D;

SIGN 2 ON S-5



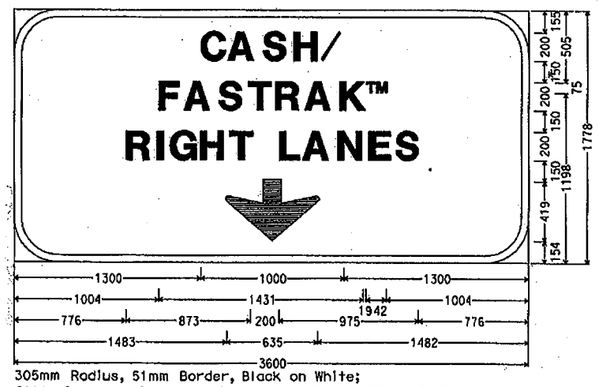
70mm Radius, 30mm Border, 20mm Indent, Black on Yellow; [XX] E Mod; [FASTRAKTM] D; [AHEAD] D; [LEFT LANE] D;

SIGN 3 ON S-4
SIGN 4 ON S-4
SIGN 8 ON S-4
SIGN 9 ON S-4



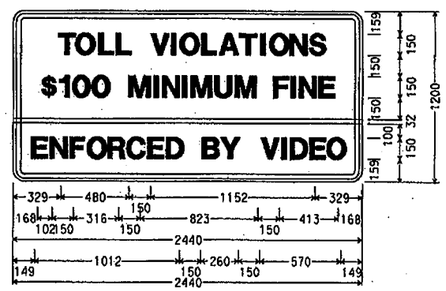
76mm Radius, 32mm Border, 19mm Indent, Black on White; [AUTO TOLL $4.00] D;

SIGN 1 ON S-1
SIGN 1 ON S-4
SIGN 2 ON S-4



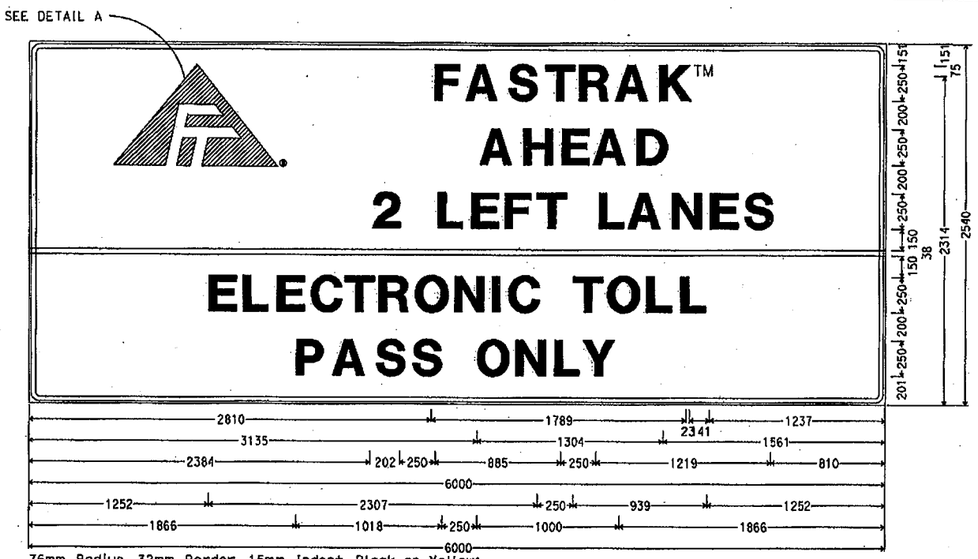
305mm Radius, 51mm Border, Black on White; [CASH/] E Mod; [FASTRAKTM] E Mod; [RIGHT LANES] E Mod; Down Arrow 420mm 270(;

SIGN 8 ON S-5



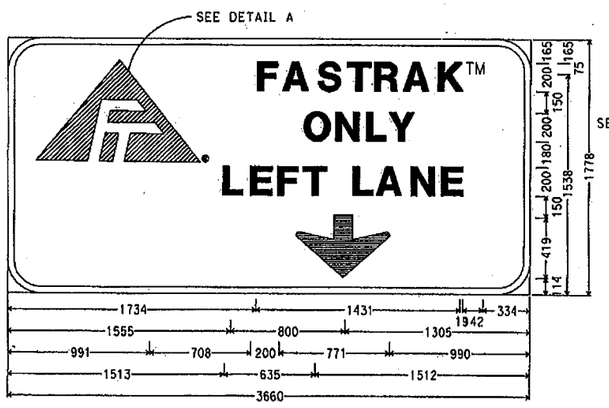
76mm Radius, 32mm Border, 20mm Indent, Black on White; [TOLL VIOLATIONS] D; [$ 100 MINIMUM FINE] D; [ENFORCED BY VIDEO] D;

SIGN 2 ON S-3
SIGN 5 ON S-3
SIGN 9 ON S-5
SIGN 10 ON S-5



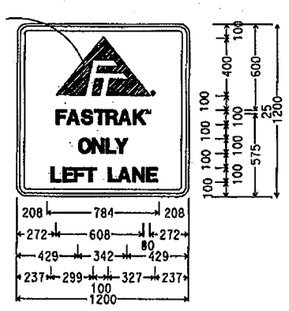
76mm Radius, 32mm Border, 15mm Indent, Black on Yellow; [FASTRAKTM] E Mod; [AHEAD] E Mod; [2 LEFT LANES] E Mod; [ELECTRONIC TOLL] E Mod; [PASS ONLY] E Mod;

SIGN 3 ON S-1



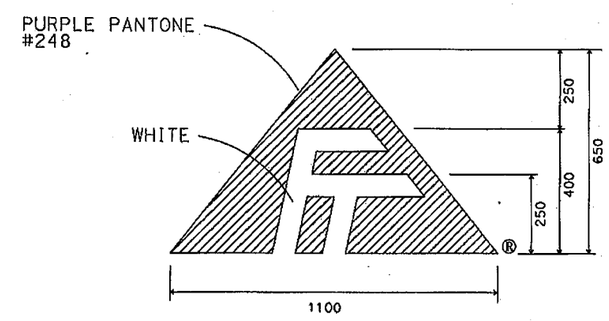
229mm Radius, 44mm Border, Black on White; [FASTRAKTM] E Mod; [ONLY] E Mod; [LEFT LANE] E Mod; Down Arrow 420mm 270(;

SIGN 6 ON S-5

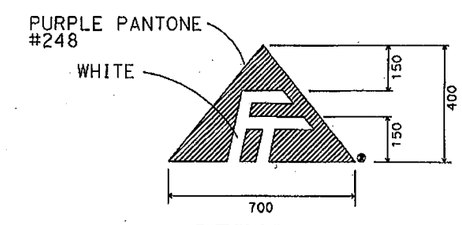


70mm Radius, 30mm Border, 20mm Indent, Black on Yellow; [XX] E Mod; [FASTRAKTM] D; [ONLY] D; [LEFT LANE] D;

SIGN 1 ON S-5



DETAIL A



DETAIL B

ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SHOWN

SIGN DETAILS
(CARQUINEZ-ANTIOCH)
NO SCALE

SD-4

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

DESIGN OVERSIGHT | CALCULATED/DESIGNED BY DW | CHECKED BY BR | DATE X-XX | REVISED BY | DATE REVISED

$REQUEST

LAST REVISION 00-00-00 | DATE PLOTTED => $DATE$ | TIME PLOTTED => $TIME$

FOR REDUCED PLANS ORIGINAL SCALE IS IN MILLIMETERS 0 10 20 30 40

USERNAME => VCJ
DGN FILE => $FILE$

CU XXXXX | EA XXXXXX

DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No	TOTAL SHEETS
04	CC,Sol	80,160	21.2/22.7,0.0/1.0 0.0/0.7	5	

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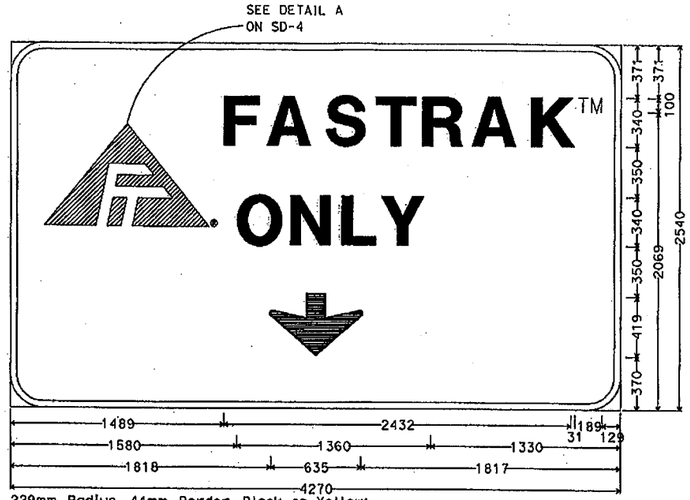
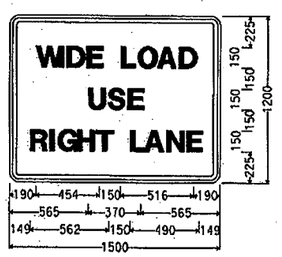
Caltrans Metric

MATERIAL PROCUREMENT PLAN
[NOT FOR CONSTRUCTION]
AUGUST 18, 2006



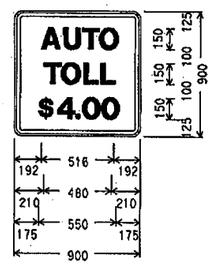
229mm Radius, 44mm Border, Black on Yellow;
[FASTRAKTM] E Mod; [ONLY] E Mod; Down Arrow 420mm 270(;

SIGN 6 ON S-4



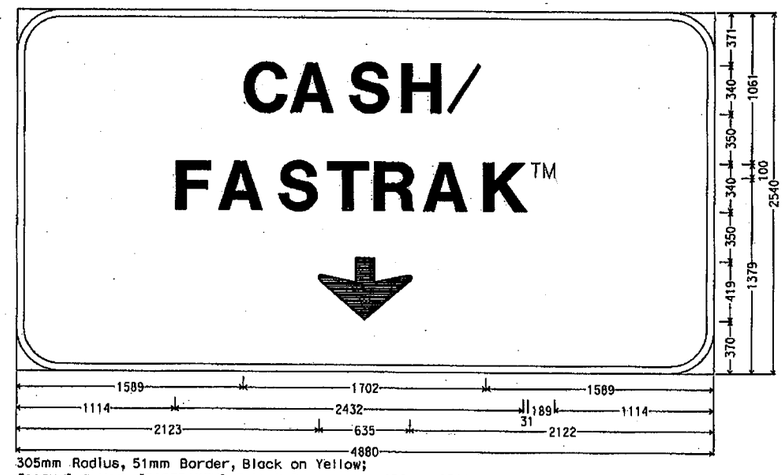
70mm Radius, 30mm Border,
20mm Indent, Black on Yellow;
[WIDE LOAD] D; [USE] D;
[RIGHT LANE] D;

SIGN 3 ON S-3
SIGN 7 ON S-3



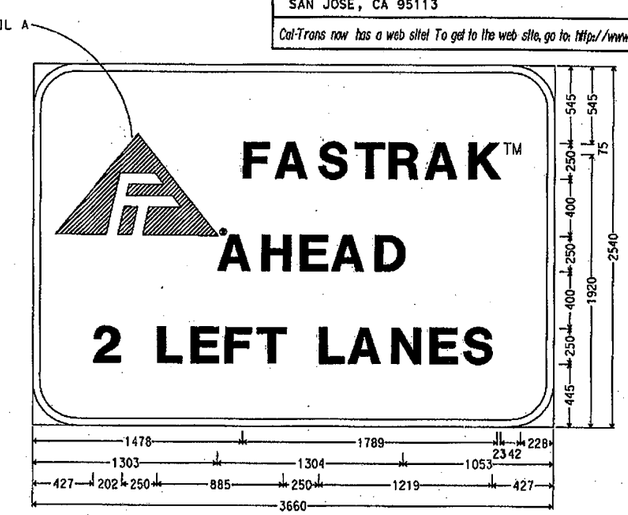
60mm Radius, 25mm Border,
15mm Indent, Black on White
[AUTO] D; [TOLL] D; [$4.00] D

SIGN 3 ON S-3
SIGN 3 ON S-5
SIGN 4 ON S-5



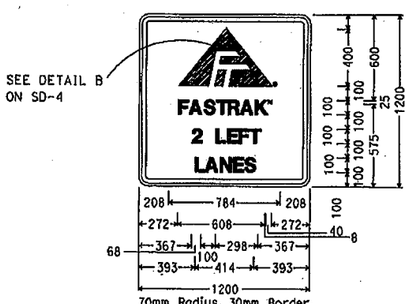
305mm Radius, 51mm Border, Black on Yellow;
[CASH/] E Mod; [FASTRAKTM] E Mod; Down Arrow 420mm 270(;

SIGN 7 ON S-4



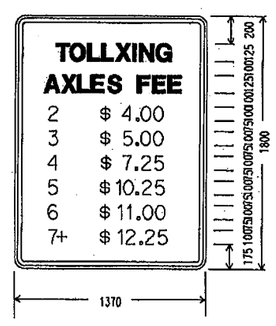
305mm Radius, 51mm Border, Black on Yellow;
[FASTRAKTM] E Mod; [AHEAD] E Mod; [2 LEFT LANES] E Mod;

SIGN 10 ON S-2



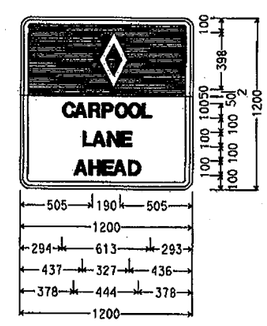
70mm Radius, 30mm Border,
20mm Indent, Black on Yellow;
[XX] E Mod;[FASTRAKTM] D;
[2 LEFT] D; [LANES] D;

SIGN 2 ON S-2
SIGN 4 ON S-2



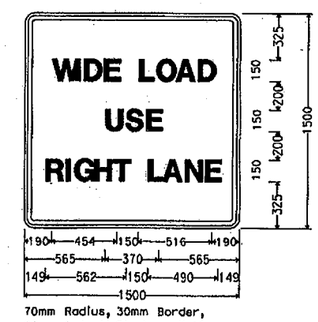
70mm Radius, 30mm Border,
20mm Indent, Black on White;
[TOLLXING] D; [AXELS FEE] D;
[2 $ 4.00] D; [3 $ 5.00] D;
[4 $ 7.25] D; [5 $ 10.25] D;
[6 $ 11.00] D; [7+ $ 12.25] D

SIGN 2 ON S-1
SIGN 5 ON S-4



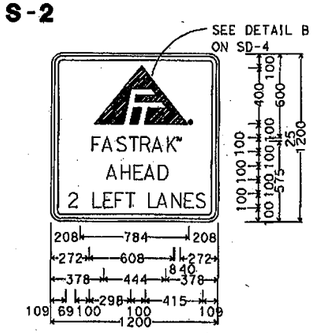
70mm Radius, 30mm Border,
20mm Indent, Black on White;
Symbol RG005; Horizontal Line White;
[CARPOOL] D; [LANE] D; [AHEAD] D;

SIGN 3 ON S-2



70mm Radius, 30mm Border,
20mm Indent, Black on Yellow;
[WIDE LOAD] D; [USE] D;
[RIGHT LANE] D;

SIGN 7 ON S-2



70mm Radius, 30mm Border,
20mm Indent, Black on Yellow;
[XX] E Mod;[FASTRAKTM] D;
[AHEAD] D;[2 LEFT LANES] D;

SIGN 11 ON S-2
SIGN 12 ON S-2

ALL DIMENSIONS ARE IN
MILLIMETERS UNLESS OTHERWISE SHOWN

SIGN DETAIL
(CARQUINEZ-ANTIOCH)

NO SCALE

SD-5

CALCULATED/ DESIGNED BY	DW	DATE X-XX	REVISED BY
CHECKED BY	BR	X-XX	DATE REVISED

DESIGN OVERSIGHT

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans

$FREQUEST

LAST REVISION 00-00-00 | DATE PLOTTED => $DATE$ | TIME PLOTTED => $TIME$

FOR REDUCED PLANS ORIGINAL SCALE IS IN MILLIMETERS 0 10 20 30 40

USERNAME => VCJ
DGN FILE => $FILE$

CU XXXXX

EA XXXXXX

LEGEND:

(1) CONSTRUCTION AREA SIGN NUMBER

PROPOSED ONE POST SIGN LOCATION

PROPOSED TWO POST SIGN LOCATION

NOTES:

1. EXACT LOCATION AND POSITION OF CONSTRUCTION AREA SIGNS TO BE DETERMINED BY THE ENGINEER.
2. COVER AND UNCOVER SIGN PANEL AS DIRECTED BY THE ENGINEER.
3. ADVANCE INFORMATION SIGNS TO BE INSTALLED SEVEN (7) DAYS PRIOR TO CLOSURE

SIGN No.	CODE	MESSAGE	PANEL SIZE (mm x mm)	No. OF POSTS & SIZE (EA - mm x mm)	QUANTITY	REMARKS
1	SPECIAL	ROAD CONSTRUCTION __/__/TO__/__ EXPECT DELAYS	3660x1200	2-89x140	2	-
2	W20-1	ROAD WORK AHEAD	900x900	1-89x140	2	-
3	C40A	TRAFFIC FINES DOUBLED IN WORK ZONES	600x600	1-89x140	2	-
4	W21-5B(L)	LEFT SHOULDER CLOSED 1000FT	900x900	1-89x140	1	-
5	W21-5B(R)	RIGHT SHOULDER CLOSED 1000FT	900x900	1-89x140	1	-
6	C30A(CA)	SHOULDER CLOSED	900x900	1-89x140	2	-
7	G20-2	END ROAD WORK	900x450	-	2	-

Caltrans Metric

DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No	TOTAL SHEETS
04	CC,Sol	80,160	21.2/22.7,0.,0/1.0 0.0/0.7	6	

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER TIMOTHY JOHN LEE No. C50605 Exp. 9-30-07 CIVIL STATE OF CALIFORNIA

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BAY AREA TOLL AUTHORITY
101 EIGHT STREET
OAKLAND, CA 94607

URS CORPORATION
55 S. MARKET STREET, SUITE 1500
SAN JOSE, CA 95113

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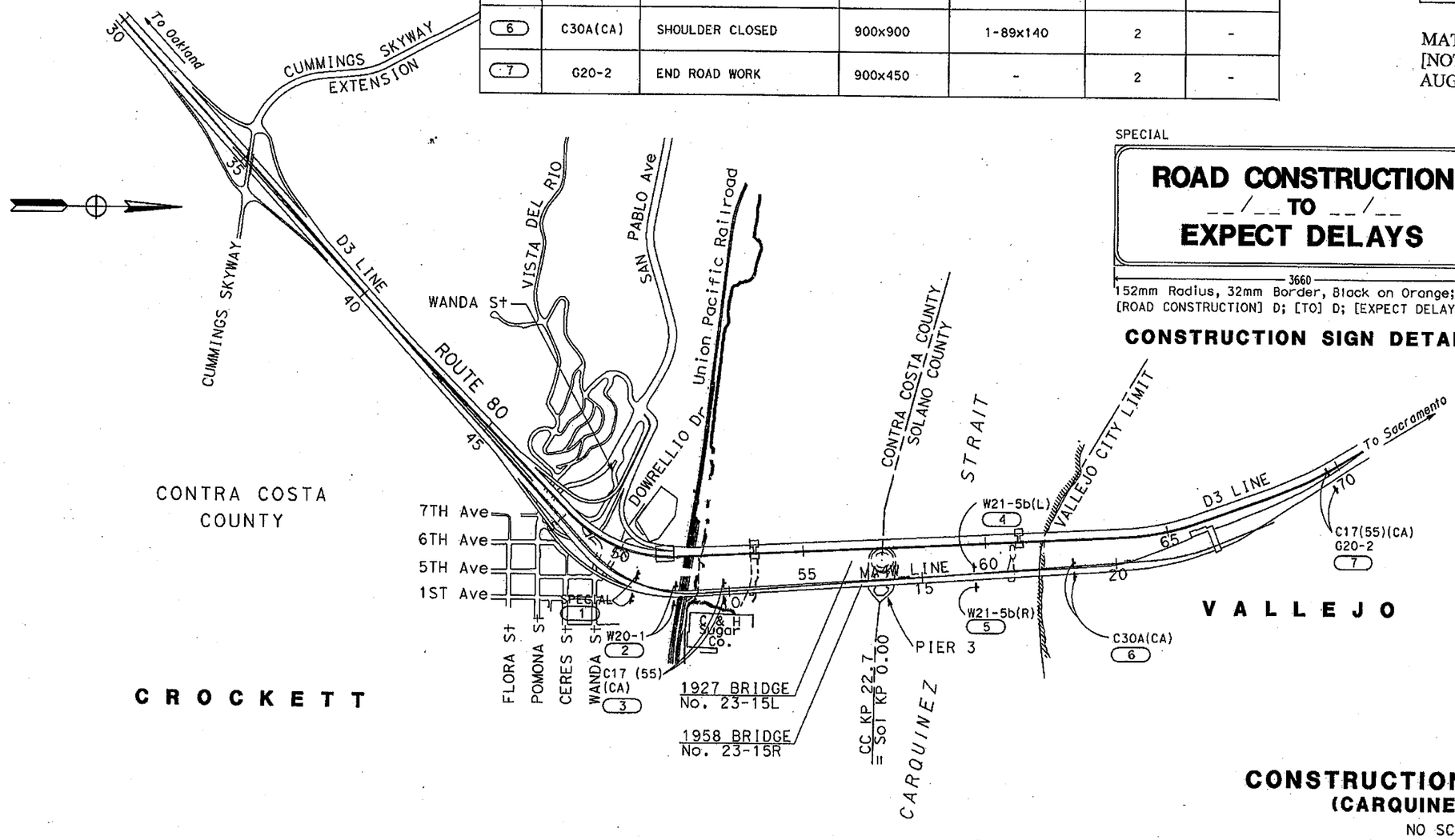
MATERIAL PROCUREMENT PLAN
[NOT FOR CONSTRUCTION]
AUGUST 18, 2006



SPECIAL

ROAD CONSTRUCTION
__/__ TO __/__
EXPECT DELAYS

1200 — 200 mm TALL CALTRANS SERIES D; 150 mm TALL CALTRANS SERIES D; 200 mm TALL CALTRANS SERIES D

3660

152mm Radius, 32mm Border, Black on Orange;
[ROAD CONSTRUCTION] D; [TO] D; [EXPECT DELAYS] D;

CONSTRUCTION SIGN DETAIL

CONSTRUCTION AREA SIGNS
(CARQUINEZ BRIDGE)
NO SCALE

THIS PLAN IS ACCURATE FOR CONSTRUCTION AREA SIGN INFORMATION ONLY

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

CS-1

CALCULATED/DESIGNED BY	DW	DATE X-XX	REVISED BY
CHECKED BY	BR	X-XX	DATE REVISED

DESIGN OVERSIGHT

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans

$FREQUEST

FOR REDUCED PLANS ORIGINAL SCALE IS IN MILLIMETERS 0 10 20 30 40

USERNAME => VCJ
DGN FILE => $FILE$

CU xxxxx

EA xxxxxx

LAST REVISION 00-00-00 DATE PLOTTED => $DATE$ TIME PLOTTED => $TIME$

DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No	TOTAL SHEETS
04	CC,Sol	80,160	21.2/22.7,0.,071.0 0.0/0.7	7	

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER TIMOTHY JOHN LEE No. C50605 Exp. 9-30-07 CIVIL STATE OF CALIFORNIA

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OAKLAND, CA 94607

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SAN JOSE, CA 95113

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Caltrans Metric

LEGEND:

(1) CONSTRUCTION AREA SIGN NUMBER

PROPOSED ONE POST SIGN LOCATION

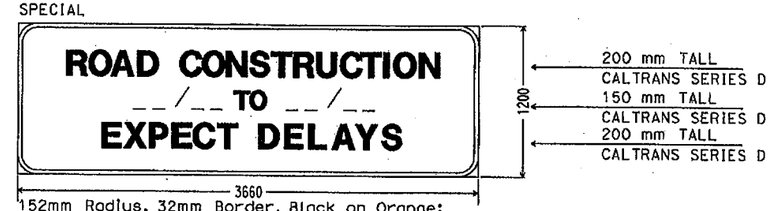
PROPOSED TWO POST SIGN LOCATION

NOTES:

1. EXACT LOCATION AND POSITION OF CONSTRUCTION AREA SIGNS TO BE DETERMINED BY THE ENGINEER.
2. COVER AND UNCOVER SIGN PANEL AS DIRECTED BY THE ENGINEER.
3. ADVANCE INFORMATION SIGNS TO BE INSTALLED SEVEN (7) DAYS PRIOR TO CLOSURE

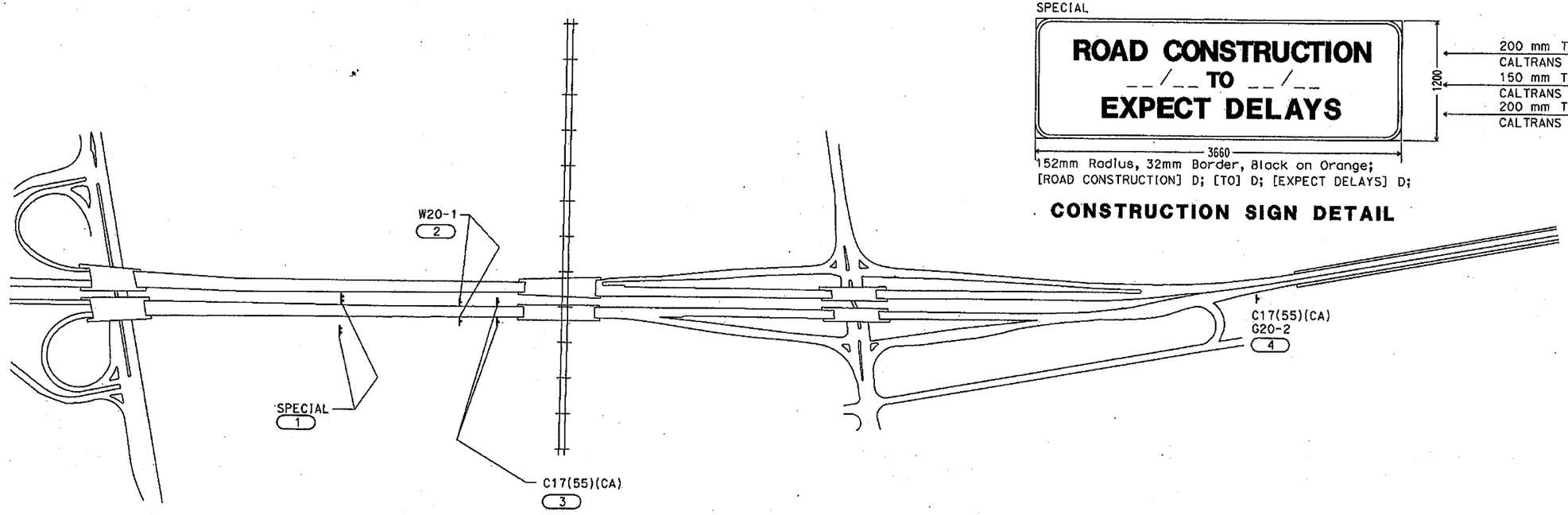
SIGN No.	CODE	MESSAGE	PANEL SIZE (mm x mm)	No. PF POSTS & SIZE (EA - mm x mm)	QUANTITY	REMARKS
(1)	SPECIAL	ROAD CONSTRUCTION __/__/TO__/__ EXPECT DELAYS	3660x1200	1-89x140	2	-
(2)	W20-1	ROAD WORK AHEAD	900x900	1-89x140	2	-
(3)	C40A	TRAFFIC FINES DOUBLED IN WORK ZONES	600x600	1-89x140	2	-
(4)	G20-2	END ROAD WORK	900x450	-	1	-

SPECIAL



152mm Radius, 32mm Border, Black on Orange;
[ROAD CONSTRUCTION] D; [TO] D; [EXPECT DELAYS] D;

CONSTRUCTION SIGN DETAIL



MATERIAL PROCUREMENT PLAN
[NOT FOR CONSTRUCTION]
AUGUST 18, 2006

CONSTRUCTION AREA SIGN
(ANTIOCH BRIDGE)

NO SCALE

THIS PLAN IS ACCURATE FOR CONSTRUCTION AREA SIGN INFORMATION ONLY

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

CS-2

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans

DESIGN OVERSIGHT

CALCULATED/DESIGNED BY | DW | DATE X-XX | REVISED BY
CHECKED BY | BR | X-XX | DATE REVISED

FOR REDUCED PLANS ORIGINAL SCALE IS IN MILLIMETERS 0 10 20 30 40

USERNAME => VCJ
DGN FILE => $FILE$

CU xxxxx

EA xxxxxx

LAST REVISION 00-00-00
DATE PLOTTED => $DATE$
TIME PLOTTED => $TIME$

DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No	TOTAL SHEETS
04	Ala,CC	80,580	2.9/4.8, 8.6/10.0	8	

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER TIMOTHY JOHN LEE No. C50605 Exp. 9-30-07 CIVIL STATE OF CALIFORNIA

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OAKLAND, CA 94607

URS CORPORATION
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SAN JOSE, CA 95113

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Caltrans Metric

MATERIAL PROCUREMENT PLAN
[NOT FOR CONSTRUCTION]
AUGUST 18, 2006

OWNER FURNISHED SIGN QUANTITIES

Sheet No.	Sign No.	Sign Code	Sign Size LxD (mm x mm)			Sign Area (m^2)	Single Faced	Background Sheeting Color	Background Retroreflective ASTM Type	Legend Sheeting Color	Legend Retroreflective ASTM Type	Graffiti Film Premium	Roadside Single Sheet Framed Aluminum 1.6 mm (m^2)	Roadside Single Sheet Framed Aluminum 2.0 mm (m^2)	Roadside Single Sheet Unframed Aluminum 1.6 mm (m^2)	Roadside Single Sheet Unframed Aluminum 2.0 mm (m^2)	Roadside Laminated Type B 25.4 mm (m^2)	Overhead Formed with RSPF (m^2)
S-1	1	Special	1500	x	1200	1.80	X	Yellow	III	Black	III	X	1.80					
S-1	2	Special	2440	x	1200	2.93	X	White	III	Black	III	X		2.93				
S-1	3	Special	1370	x	1800	2.47	X	White	III	Black	III	X	2.47					
S-1	4	Special	1200	x	1200	1.44	X	Yellow	III	Black	III	X				1.44		
S-1	5	Special	1200	x	1200	1.44	X	Yellow	III	Black	III	X				1.44		
												Subtotal	4.27	2.93		2.88		
S-2	1	Special	4270	x	2540	10.85	X	Yellow	III	Black	III	X						10.85
S-2	2	Special	1200	x	1200	1.44	X	Yellow	III	Black	III	X				1.44		
S-2	3	Special	1200	x	1200	1.44	X	Yellow	III	Black	III	X				1.44		
S-2	4	Special	1200	x	1200	1.44	X	Yellow	III	Black	III	X				1.44		
S-2	5	Special	1200	x	1200	1.44	X	Yellow	III	Black	III	X				1.44		
S-2	6	Special	1200	x	1200	1.44	X	Yellow	III	Black	III	X				1.44		
												Subtotal				7.20		10.85
S-3	2	Special	1200	x	1200	1.44	X	Yellow	III	Black	III	X				1.44		
S-3	3	Special	1200	x	1200	1.44	X	Yellow	III	Black	III	X				1.44		
												Subtotal				2.88		
S-4	1	Special	2440	x	452	1.10	X	White	III	Black	III	X		1.10				
S-4	2	Special	3660	x	2540	9.30	X	Yellow	III	Black	III	X						9.30
S-4	3	Special	1200	x	1200	1.44	X	White	III	Black	III	X				1.44		
S-4	4	R93-2 (Special)	914	x	2134	1.95	X	White	III	Black	III	X				1.95		
		R82B	914	x	610	0.56	X	White	III	Black	III	X			0.56			
S-4	5	R82-1 (Special)	914	x	1676	1.53	X	White	III	Black	III	X				1.53		
												Subtotal		1.10	0.56	4.92		9.30
S-5	1	Special	900	x	900	0.81	X	White	III	Black	III	X			0.81			
S-5	2	SR50-2	914	x	1981	1.81	X	White	III	Black	III	X						
S-5	3	W9-2R	900	x	900	0.81	X	White	III	Black	III	X			0.81			
S-5	4	Special	3050	x	2540	7.75	X	White	III	Black	III	X						7.75
S-5	5	Special	3050	x	2540	7.75	X	White	III	Black	III	X						7.75
												Subtotal			1.62			15.49
SD-1	1	Special	3660	x	609	2.23	X	White	III	Black	III	X					2.23	
SD-1	2	Special	3660	x	609	2.23	X	White	III	Black	III	X					2.23	
SD-1	3	Special	3660	x	609	2.23	X	White	III	Black	III	X					2.23	
SD-1	8	Special	3660	x	609	2.23	X	White	III	Black	III	X					2.23	
SD-1	9	Special	3660	x	609	2.23	X	White	III	Black	III	X					2.23	
SD-1	10	Special	3660	x	609	2.23	X	White	III	Black	III	X					2.23	
SD-1	20	Special	3660	x	609	2.23	X	White	III	Black	III	X					2.23	
SD-1	21	Special	3660	x	609	2.23	X	White	III	Black	III	X					2.23	
SD-1	22	Special	3660	x	609	2.23	X	White	III	Black	III	X					2.23	
SD-1	23	Special	3660	x	609	2.23	X	White	III	Black	III	X					2.23	
SD-1	24	Special	3660	x	609	2.23	X	White	III	Black	III	X					2.23	
SD-1	28	W11-2	600	x	600	0.36	X	Yellow	III	Black	III	X					2.23	
SD-1	29	W11-2	600	x	600	0.36	X	Yellow	III	Black	III	X					2.23	
SD-1	30	W11-2	600	x	600	0.36	X	Yellow	III	Black	III	X					2.23	
SD-1	31	R2-1 (5)	600	x	750	0.45	X	White	III	Black	III	X			0.36			
SD-1	32	W11-2	600	x	600	0.36	X	Yellow	III	Black	III	X			0.45			
SD-1	33	W11-2	600	x	600	0.36	X	Yellow	III	Black	III	X			0.36			
SD-1	34	R2-1 (25)	600	x	750	0.45	X	White	III	Black	III	X			0.36			
SD-1	35	W11-2	600	x	600	0.36	X	Yellow	III	Black	III	X			0.45			
															0.36			

SIGN QUANTITIES
(SFOBB - RICHMOND)

NO SCALE

SQ-3

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

DESIGN OVERSIGHT

CALCULATED/DESIGNED BY DW DATE X-XX REVISED BY
CHECKED BY BR X-XX DATE REVISED

FOR REDUCED PLANS ORIGINAL SCALE IS IN MILLIMETERS 0 10 20 30 40

USERNAME => VCJ
DGN FILE => $FILE$

CU XXXXX

EA XXXXXX

LAST REVISION 00-00-00 DATE PLOTTED => $DATE$ TIME PLOTTED => $TIME$

DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No	TOTAL SHEETS
04	Ala,CC	80,580	2.9/4.8, 8.6/10.0	9	

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER TIMOTHY JOHN LEE No. C80505 Exp. 9-30-07 CIVIL STATE OF CALIFORNIA

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OAKLAND, CA 94607

URS CORPORATION
55 S. MARKET STREET, SUITE 1500
SAN JOSE, CA 95113

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Caltrans Metric

MATERIAL PROCUREMENT PLAN
[NOT FOR CONSTRUCTION]
AUGUST 18, 2006

OWNER FURNISHED SIGN QUANTITIES

Sheet No.	Sign No.	Sign Code	Sign Size LxD (mm x mm)			Sign Area (m^2)	Single Faced	Background Sheeting Color	Background Retroreflective ASTM Type	Legend Sheeting Color	Legend Retroreflective ASTM Type	Graffiti Film Premium	Roadside Single Sheet Framed Aluminum 1.6 mm (m^2)	Roadside Single Sheet Framed Aluminum 2.0 mm (m^2)	Roadside Single Sheet Unframed Aluminum 1.6 mm (m^2)	Roadside Single Sheet Unframed Aluminum 2.0 mm (m^2)	Roadside Laminated Type B 25.4 mm (m^2)	Overhead Formed with RSPF (m^2)
SD-1	36	W11-2	600	x	600	0.36	X	Yellow	III	Black	III	X			0.36			
SD-1	37	W11-2	600	x	600	0.36	X	Yellow	III	Black	III	X			0.36			
SD-1	38	W11-2	600	x	600	0.36	X	Yellow	III	Black	III	X			0.36			
SD-1	39	R2-1 (5)	600	x	750	0.45	X	White	III	Black	III	X			0.45			
SD-1	40	W11-2	600	x	600	0.36	X	Yellow	III	Black	III	X			0.36			
SD-1	41	W11-2	600	x	600	0.36	X	Yellow	III	Black	III	X			0.36			
SD-1	42	R2-1 (5)	600	x	750	0.45	X	White	III	Black	III	X			0.45			
SD-1	43	W11-2	600	x	600	0.36	X	Yellow	III	Black	III	X			0.36			
SD-1	44	R2-1 (5)	600	x	750	0.45	X	White	III	Black	III	X			0.45			
SD-1	45	W11-2	600	x	600	0.36	X	Yellow	III	Black	III	X			0.36			
SD-1	46	W11-2	600	x	600	0.36	X	Yellow	III	Black	III	X			0.36			
SD-1	47	Special	3660	x	609	2.23	X	White	III	Black	III	X					2.23	
SD-1	48	Special	3660	x	609	2.23	X	White	III	Black	III	X					2.23	
												Subtotal			6.57		33.43	
SD-3	1	R2-1 (25)	600	x	750	0.45	X	White	III	Black	III	X			0.45			
SD-3	2	R2-1 (25)	600	x	750	0.45	X	White	III	Black	III	X			0.45			
SD-3	3	R2-1 (25)	600	x	750	0.45	X	White	III	Black	III	X			0.45			
SD-3	4	W11-2	600	x	600	0.36	X	Yellow	III	Black	III	X			0.36			
SD-3	5	W11-2	600	x	600	0.36	X	Yellow	III	Black	III	X			0.36			
SD-3	6	R2-1 (5)	600	x	750	0.45	X	White	III	Black	III	X			0.45			
SD-3	7	W11-2	600	x	600	0.36	X	Yellow	III	Black	III	X			0.36			
SD-3	8	R2-1 (5)	600	x	750	0.45	X	White	III	Black	III	X			0.45			
SD-3	9	R2-1 (25)	600	x	750	0.45	X	White	III	Black	III	X			0.45			
SD-3	18	Special	3660	x	609	2.23	X	White	III	Black	III	X					2.23	
SD-3	20	Special	3660	x	609	2.23	X	White	III	Black	III	X					2.23	
SD-3	23	Special	3660	x	609	2.23	X	White	III	Black	III	X					2.23	
SD-3	24	Special	3660	x	609	2.23	X	White	III	Black	III	X					2.23	
												Subtotal			3.78		8.92	
												Total	4.27	4.03	12.53	10.68	42.35	24.79

SIGN QUANTITIES
(SFOBB - RICHMOND)
NO SCALE

SQ-4

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

DESIGN OVERSIGHT | CALCULATED/DESIGNED BY | DW | DATE X-XX | REVISED BY
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LAST REVISION 00-00-00 | DATE PLOTTED => $DATE$ | TIME PLOTTED => $TIME$

FOR REDUCED PLANS ORIGINAL SCALE IS IN MILLIMETERS 0 10 20 30 40

USERNAME => VCJ
DGN FILE => $FILE$

CU xxxxx | EA xxxxxx

NOTE: TRUSS DESIGN AS PER STANDARD PLAN S11 FOR PANEL DEPTH=2286 mm UNLESS NOTED OTHERWISE.

MATERIAL PROCUREMENT PLAN
[NOT FOR CONSTRUCTION]
AUGUST 18, 2006

Caltrans Metric

DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No	TOTAL SHEETS
04	Ala,CC	80,580	2.9/4.8, 8.6/10.0	10	

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER TIMOTHY JOHN LEE No. C50605 Exp. 9-30-07 CIVIL STATE OF CALIFORNIA

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BAY AREA TOLL AUTHORITY
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OAKLAND, CA 94607

URS CORPORATION
55 S. MARKET STREET, SUITE 1500
SAN JOSE, CA 95113

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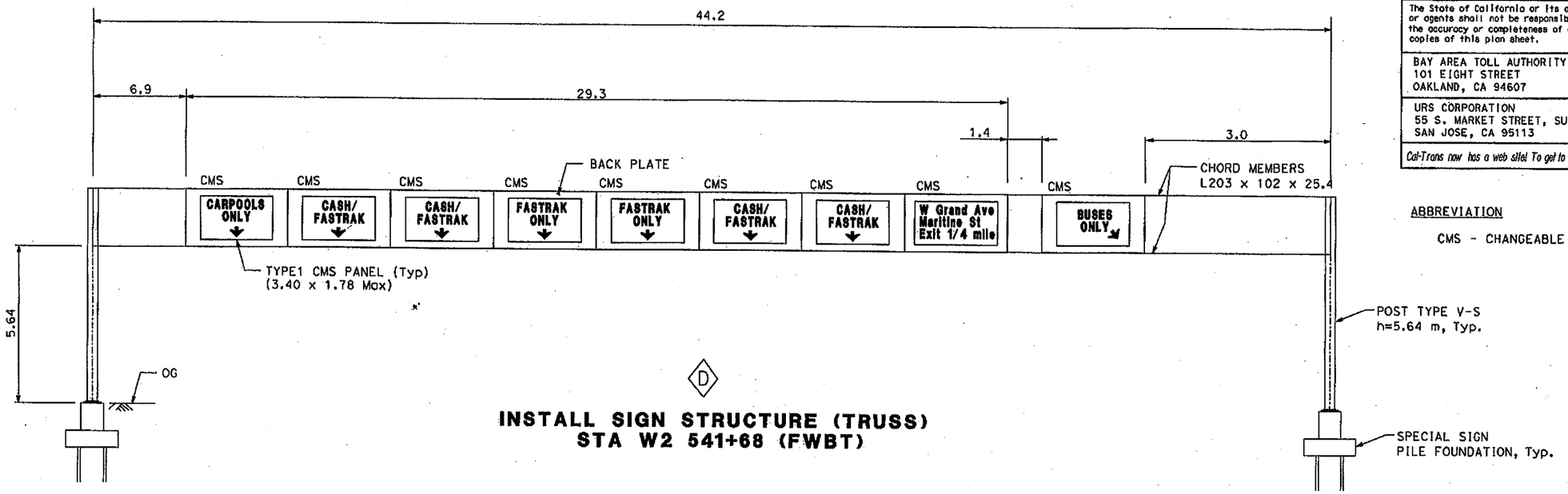
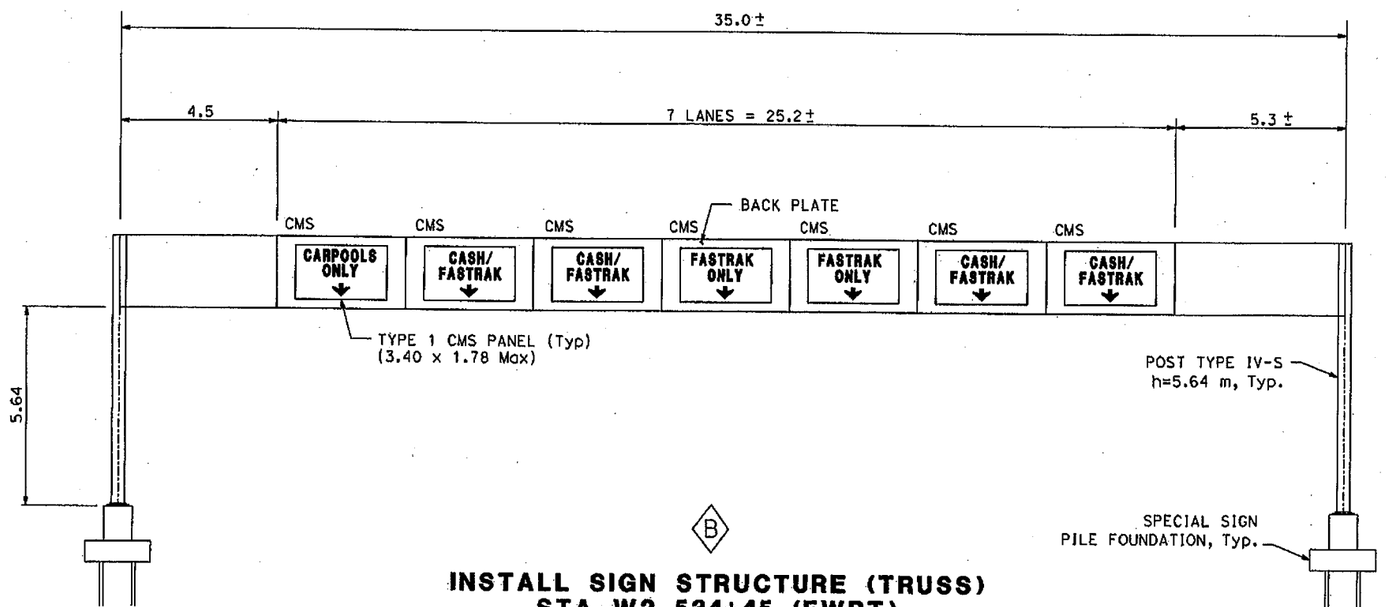


D

INSTALL SIGN STRUCTURE (TRUSS)
STA W2 541+68 (FWBT)

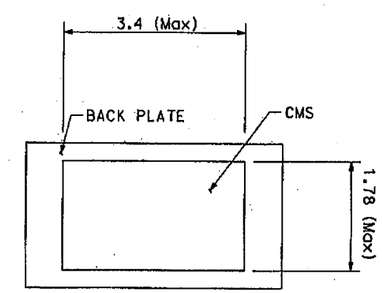
ABBREVIATION

CMS - CHANGEABLE MESSAGE SIGN



B

INSTALL SIGN STRUCTURE (TRUSS)
STA W2 534+45 (FWBT)



TYPE 1 CMS PANEL

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

SIGN DETAILS
(SFOBB)
NO SCALE

SD-2

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

DESIGN OVERSIGHT

CALCULATED/DESIGNED BY DW DATE X-XX REVISED BY
CHECKED BY BR X-XX DATE REVISED

LAST REVISION 00-00-00 DATE PLOTTED => $DATE$ TIME PLOTTED => $TIME$

FOR REDUCED PLANS ORIGINAL SCALE IS IN MILLIMETERS 0 10 20 30 40

USERNAME => VCJ
DGN FILE => $FILE$

CU xxxxx

EA xxxxxx

DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No	TOTAL SHEETS
04	Ala,CC	80,580	2.9/4.8, 8.6/10.0	11	

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER TIMOTHY JOHN LEE No. C50605 EXP. 9-30-07 CIVIL STATE OF CALIFORNIA

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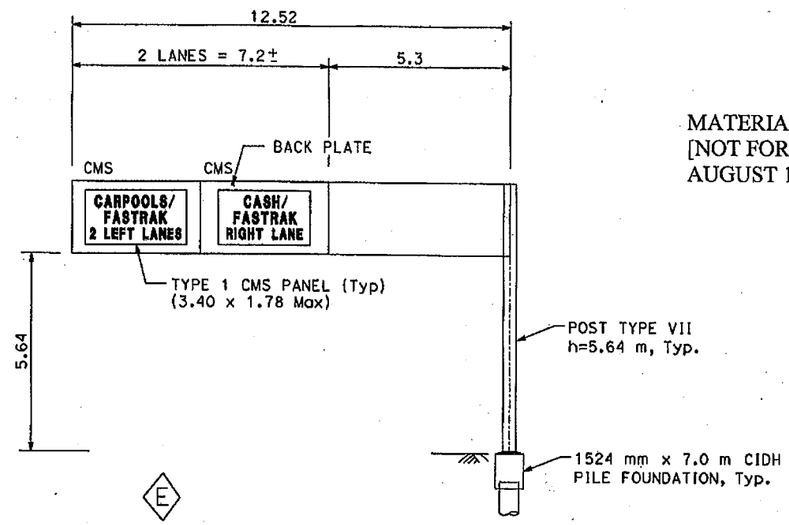
Caltrans Metric

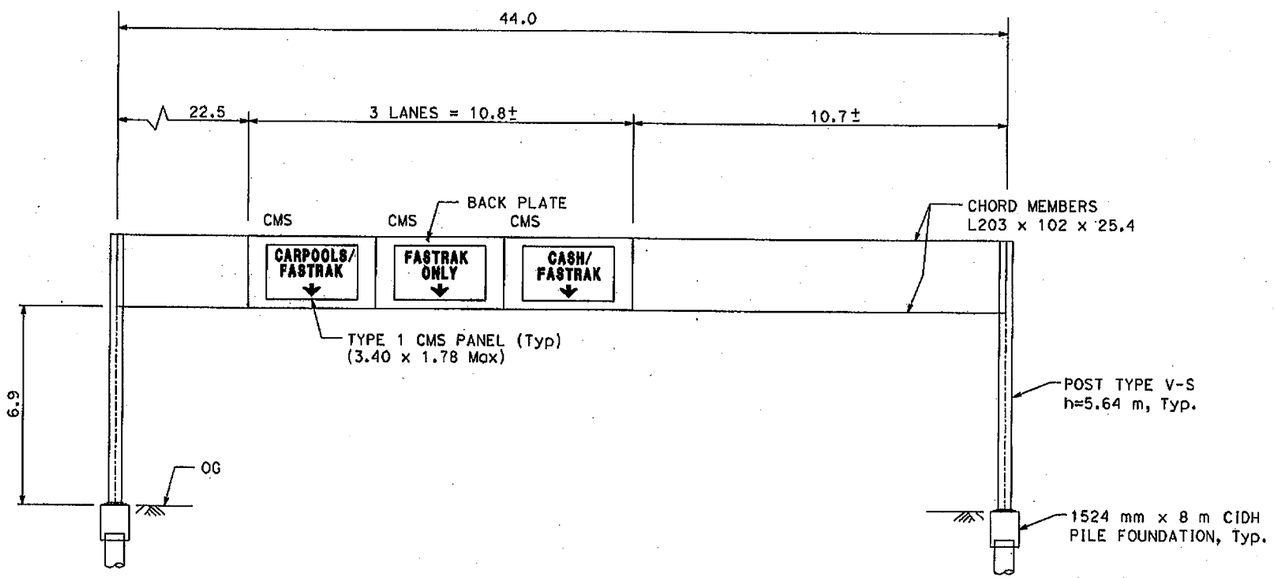
MATERIAL PROCUREMENT PLAN
[NOT FOR CONSTRUCTION]
AUGUST 18, 2006



E

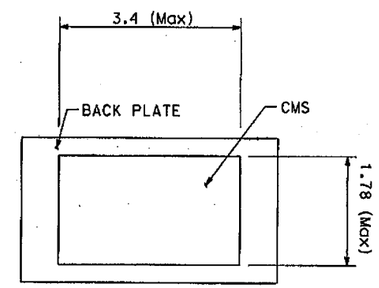
INSTALL SIGN STRUCTURE (TRUSS)
STA R 93+50 (FWBT)

NOTE: TRUSS DESIGN AS PER STANDARD PLANS S5 AND S11 FOR PANEL DEPTH=2286 mm UNLESS NOTED OTHERWISE.



F

INSTALL SIGN STRUCTURE (TRUSS)
STA R 99+15 (FWBT)



TYPE 1 CMS PANEL

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

SIGN DETAILS
(RICHMOND - SAN RAFAEL BRIDGE)
NO SCALE

SD-4

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

DESIGN OVERSIGHT | CALCULATED/DESIGNED BY | CHECKED BY | DW | BR | DATE X-XX | X-XX | REVISED BY | DATE REVISED

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FOR REDUCED PLANS ORIGINAL SCALE IS IN MILLIMETERS 0 10 20 30 40

USERNAME => VCJ
DGN FILE => $FILE$

CU XXXXX | EA XXXXXX

DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No	TOTAL SHEETS
04	Ala,CC	80,580	2.9/4.8, 8.6/10.0	12	

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER TIMOTHY JOHN LEE No. C50605 Exp. 9-30-07 CIVIL STATE OF CALIFORNIA

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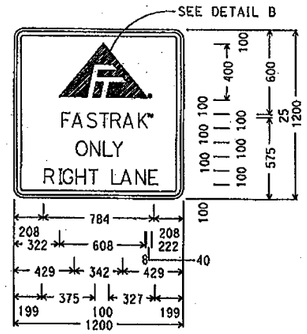
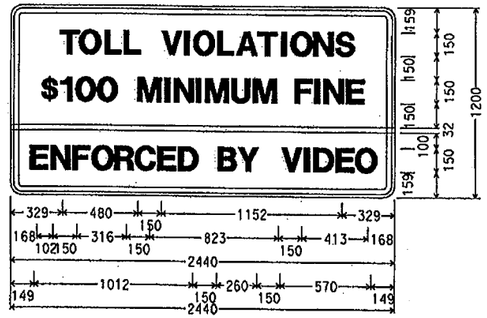
MATERIAL PROCUREMENT PLAN
[NOT FOR CONSTRUCTION]
AUGUST 18, 2006



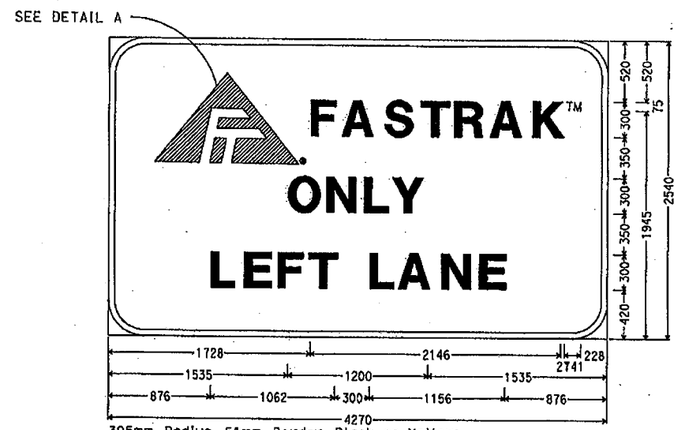
70mm Radius, 30mm Border,
20mm Indent, Black on Yellow;
[XX] E Mod;[FASTRAKTM] D;
[ONLY] D;[RIGHT LANE] D;

SIGN 1 ON S-1
SIGN 4 ON S-1



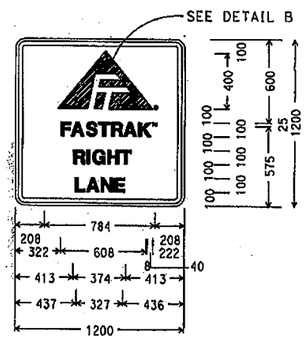
76mm Radius, 32mm Border,
20mm Indent, Black on White;
[TOLL VIOLATIONS] D;
[$ 100 MINIMUM FINE] D;
[ENFORCED BY VIDEO] D;

SIGN 2 ON S-1



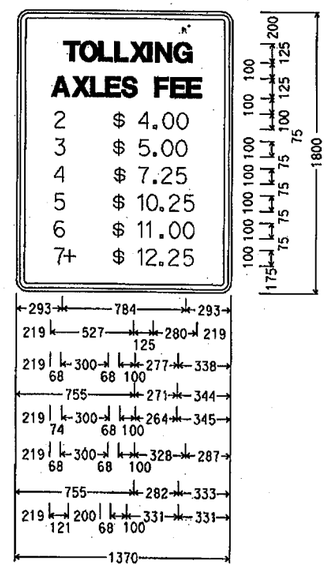
305mm Radius, 51mm Border, Black on Yellow;
[FASTRAKTM] E Mod; [ONLY] E Mod; [LEFT LANE] E Mod;

SIGN 1 ON S-2



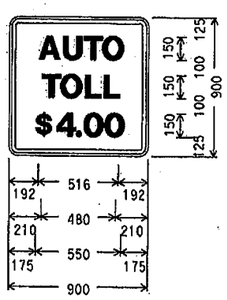
70mm Radius, 30mm Border,
20mm Indent, Black on Yellow;
[XX] E Mod;[FASTRAKTM] D;
[RIGHT] D; [LANE] D;

SIGN 5 ON S-1



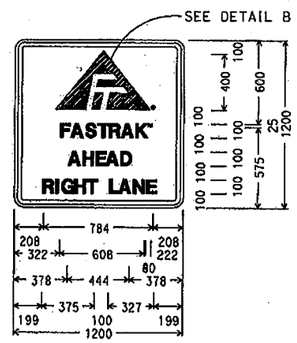
70mm Radius, 30mm Border,
20mm Indent, Black on White;
[TOLLXING] D;[AXELS FEE] D;
[2 $ 4.00] D;[3 $ 5.00] D;
[4 $ 7.25] D;[5 $ 10.25] D;
[6 $ 11.00] D; [7+ $ 12.25] D;

SIGN 3 ON S-1



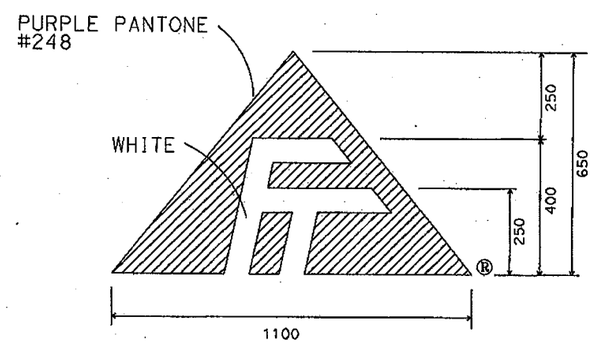
60mm Radius, 25mm Border,
15mm Indent, Black on White
[AUTO] D; [TOLL] D; [$4.00] D

SIGN 1 ON S-5

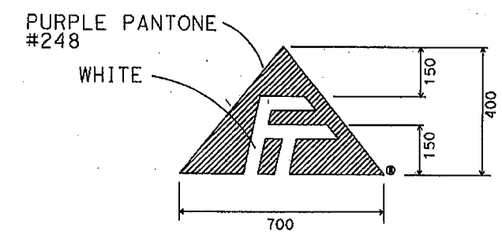


70mm Radius, 30mm Border,
20mm Indent, Black on Yellow;
[XX] E Mod;[FASTRAKTM] D;
[AHEAD] D;[RIGHT LANE] D;

SIGN 3 ON S-2
SIGN 6 ON S-2
SIGN 5 ON S-2



DETAIL A



DETAIL B

SIGN DETAIL
(SFOBB - RICHMOND/SAN RAFAEL BRIDGE)

NO SCALE

ALL DIMENSIONS ARE IN
MILLIMETERS UNLESS OTHERWISE SHOWN

SD-5

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans

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USERNAME => VCJ
DGN FILE => $FILE$

CU XXXXX

EA XXXXXX

DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No	TOTAL SHEETS
04	Ala,CC	80,580	2.9/4.8, 8.6/10.0	13	

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER TIMOTHY JOHN LEE No. C50605 Exp. 9-30-07 CIVIL STATE OF CALIFORNIA

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URS CORPORATION
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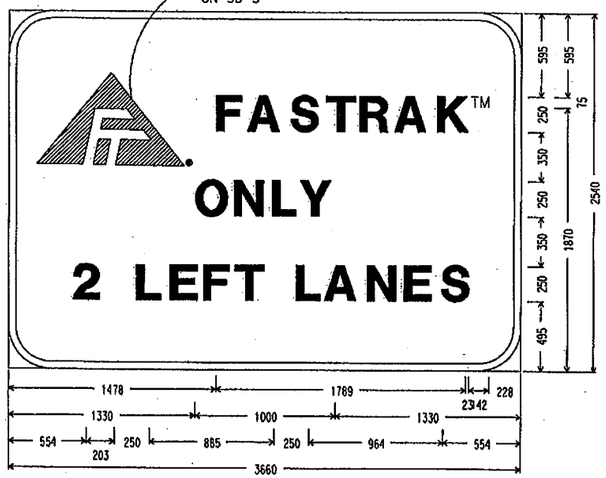
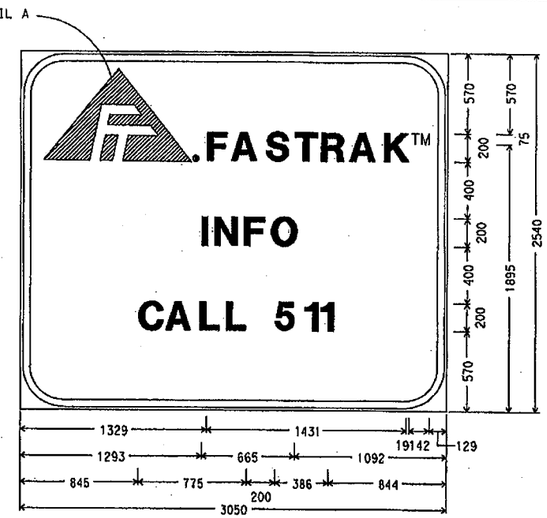
Caltrans Metric

MATERIAL PROCUREMENT PLAN
[NOT FOR CONSTRUCTION]
AUGUST 1, 2006



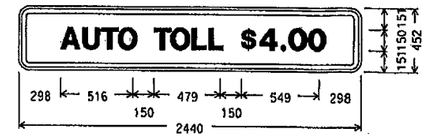
305mm Radius, 51mm Border, Black on Yellow;
[FASTRAKTM] E Mod; [ONLY] E Mod; [2 LEFT LANE] E Mod;

SIGN 2 ON S-4



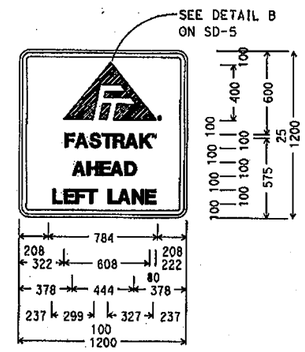
305mm Radius, 50mm Border, 20mm Indent, Black on White;
[FASTRAKTM] E Mod; [INFO] E Mod;
[CALL 511] E Mod;

SIGN 4 ON S-5



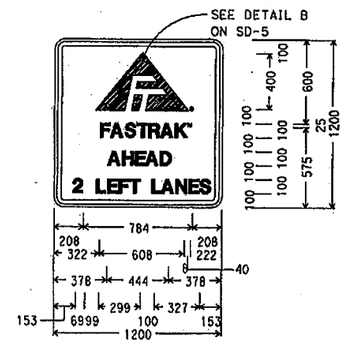
76mm Radius, 32mm Border, 19mm Indent, Black on White;
[AUTO TOLL $4.00] D;

SIGN 1 ON S-4



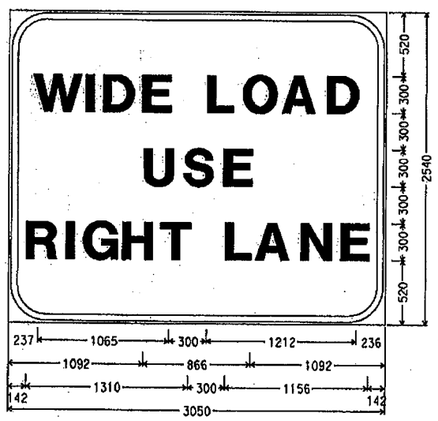
70mm Radius, 30mm Border, 20mm Indent, Black on Yellow;
[XX] E Mod;[FASTRAKTM] D; [AHEAD] D; [LEFT LANE] D;

SIGN 2 ON S-2
SIGN 4 ON S-2



70mm Radius, 30mm Border, 20mm Indent, Black on Yellow;
[XX] E Mod; [FASTRAKTM] D;[AHEAD] D;[2 LEFT LANE] D;

SIGN 2 ON S-3
SIGN 3 ON S-3



305mm Radius, 50mm Border, 20mm Indent, Black on Yellow;
[WIDE LOAD] E Mod; [USE] E Mod;[RIGHT LANE] E Mod

SIGN 5 ON S-5

SIGN DETAIL
(SFOBB - RICHMOND/SAN RAFAEL BRIDGE)

ALL DIMENSIONS ARE IN
MILLIMETERS UNLESS OTHERWISE SHOWN

SD-6

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
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USERNAME => VCJ
DGN FILE => $FILE$

CU XXXXX

EA XXXXXX

LEGEND:

(1) CONSTRUCTION AREA SIGN LETTER

PROPOSED ONE POST SIGN LOCATION

PROPOSED TWO POST SIGN LOCATION

NOTES:

1. EXACT LOCATION AND POSITION OF CONSTRUCTION AREA SIGNS TO BE DETERMINED BY THE ENGINEER.
2. COVER AND UNCOVER SIGN PANEL AS DIRECTED BY THE ENGINEER.
3. ADVANCE INFORMATION SIGNS TO BE INSTALLED SEVEN (7) DAYS PRIOR TO CLOSURE

SIGN No.	CODE	MESSAGE	PANEL SIZE (mm x mm)	No. OF POSTS & SIZE (EA - mm x mm)	QUANTITY	REMARKS
1	SPECIAL	ROAD CONSTRUCTION __/__/TO__/__ EXPECT DELAYS	3660x1200	2-89x140	2	-
2	W20-1	ROAD WORK AHEAD	900x900	1-89x140	2	-
3	C17(55) (CA)	ROAD WORK SPEED LIMIT 55	600x600	1-89x140	2	-
4	W21-5B(L)	LEFT SHOULDER CLOSED 1000FT	900x900	1-89x140	1	-
5	W21-5B(R)	RIGHT SHOULDER CLOSED 1000FT	900x900	1-89x140	1	-
6	C30A(CA)	SHOULDER CLOSED	900x900	1-89x140	2	-
7	C17(55)(CA)	END 55 SPEED LIMIT	600x600	1-89x140	1	-
	G20-2	END ROAD WORK	900x450	1-89x140	1	-

Caltrans Metric

DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No	TOTAL SHEETS
04	Ala,CC	80,580	2.9/4.8, 8.6/10.0	14	

REGISTERED CIVIL ENGINEER DATE

REGISTERED PROFESSIONAL ENGINEER TIMOTHY JOHN LEE No. C50605 Exp. 9-30-07 CIVIL STATE OF CALIFORNIA

PLANS APPROVAL DATE

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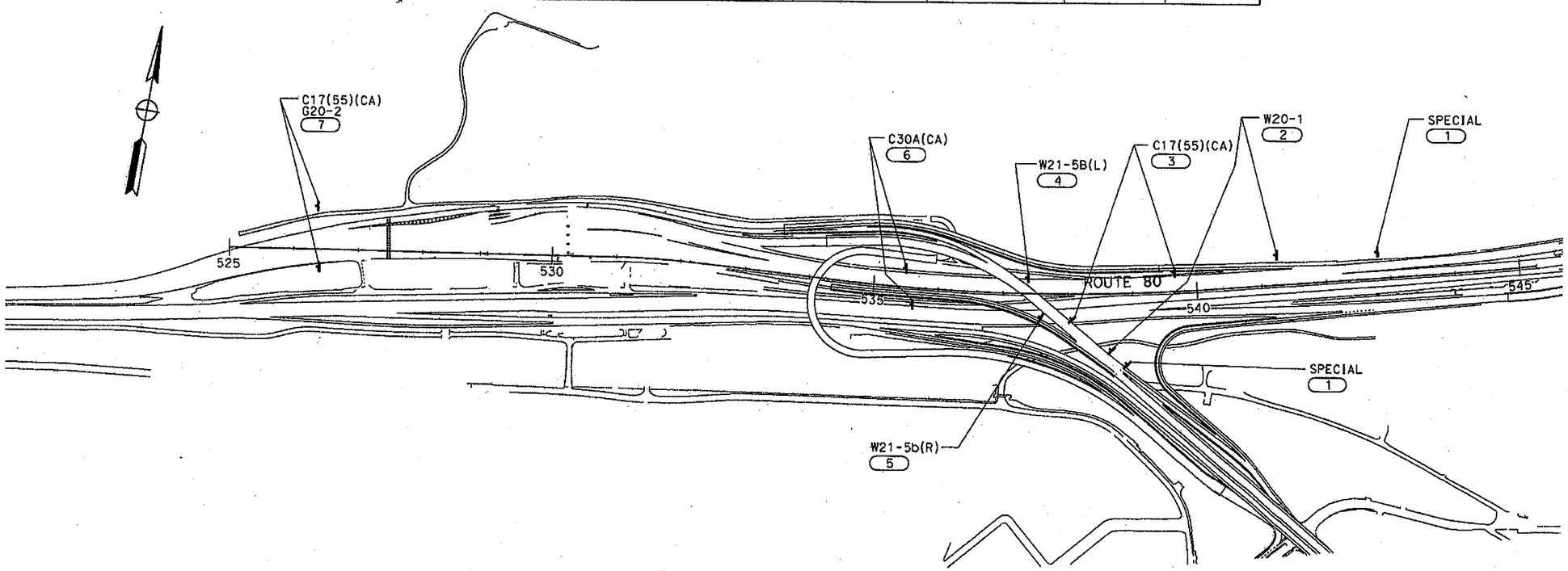
MATERIAL PROCUREMENT PLAN
[NOT FOR CONSTRUCTION]
AUGUST 18, 2006



CONSTRUCTION AREA SIGNS
(SFOBB)

SCALE 1:500

THIS PLAN IS ACCURATE FOR CONSTRUCTION AREA SIGN INFORMATION ONLY

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

CS-1

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DESIGN OVERSIGHT

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USERNAME => VCJ
DGN FILE => $FILE$

CU xxxxx

EA xxxxxx

LEGEND:

(1) CONSTRUCTION AREA SIGN LETTER

PROPOSED ONE POST SIGN LOCATION

PROPOSED TWO POST SIGN LOCATION

NOTES:

1. EXACT LOCATION AND POSITION OF CONSTRUCTION AREA SIGNS TO BE DETERMINED BY THE ENGINEER.
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3. ADVANCE INFORMATION SIGNS TO BE INSTALLED SEVEN (7) DAYS PRIOR TO CLOSURE

SIGN No.	CODE	MESSAGE	PANEL SIZE (mm x mm)	No. OF POSTS & SIZE (EA - mm x mm)	QUANTITY	REMARKS
(1)	SPECIAL	ROAD CONSTRUCTION __/__/TO__/__ EXPECT DELAYS	3660x1200	2-89x140	2	-
(2)	W20-1	ROAD WORK AHEAD	900x900	1-89x140	3	-
(3)	C17(55) (CA)	ROAD WORK SPEED LIMIT 55	600x600	1-89x140	1	-
(4)	W21-5B(L)	LEFT SHOULDER CLOSED 1000FT	900x900	1-89x140	1	-
(5)	W21-5B(R)	RIGHT SHOULDER CLOSED 1000FT	900x900	1-89x140	3	-
(6)	C30A(CA)	SHOULDER CLOSED	900x900	1-89x140	5	-
(7)	C17(55)(CA)	END 55 SPEED LIMIT	600x600	1-89x140	2	-
	G20-2	END ROAD WORK	900x450	-	2	-

Caltrans Metric

DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No	TOTAL SHEETS
04	Ala,CC	80,580	2.9/4.8, 8.6/10.0	15	

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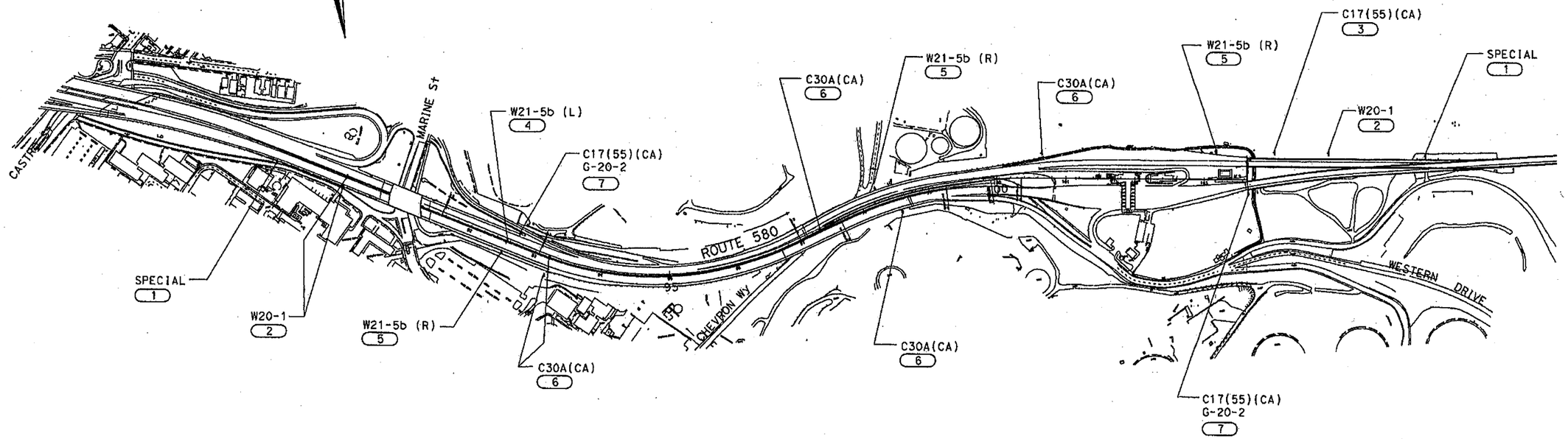
MATERIAL PROCUREMENT PLAN
[NOT FOR CONSTRUCTION]
AUGUST 18, 2006



CONSTRUCTION AREA SIGNS
(RICHMOND-SAN RAFAEL TOLL PLAZA)

NO SCALE

THIS PLAN IS ACCURATE FOR CONSTRUCTION AREA SIGN INFORMATION ONLY

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

CS-2

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans

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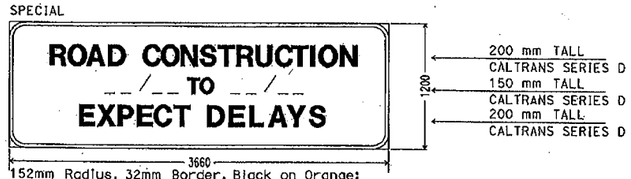
USERNAME => VCJ
DGN FILE => $FILE$

CU xxxxx

EA xxxxxx

LAST REVISION 00-00-00 | DATE PLOTTED => $DATE$ | TIME PLOTTED => $TIME$

SPECIAL



152mm Radius, 32mm Border, Black on Orange;
[ROAD CONSTRUCTION] D; [TO] D; [EXPECT DELAYS] D;

DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No	TOTAL SHEETS
04	Ala,CC	80,580	2.9/4.8, 8.6/10.0	16	

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER TIMOTHY JOHN LEE No. C50605 Exp. 9-30-07 CIVIL STATE OF CALIFORNIA

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BAY AREA TOLL AUTHORITY
101 EIGHT STREET
OAKLAND, CA 94607

URS CORPORATION
55 S. MARKET STREET, SUITE 1500
SAN JOSE, CA 95113

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MATERIAL PROCUREMENT PLAN
[NOT FOR CONSTRUCTION]
AUGUST 18, 2006

CONSTRUCTION SIGN DETAILS
(SFOBB-RICHMOND)
NO SCALE

CS-3

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

DESIGN OVERSIGHT

CALCULATED/DESIGNED BY DW DATE X-XX
CHECKED BY BR X-XX
REVISED BY DATE REVISED

FOR REDUCED PLANS ORIGINAL SCALE IS IN MILLIMETERS 0 10 20 30 40

USERNAME => VCJ
DGN FILE => $FILE$

CU XXXXX

EA XXXXXX

LAST REVISION 00-00-00
DATE PLOTTED => $DATE$
TIME PLOTTED => $TIME$

DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No	TOTAL SHEETS
04	Alo	84,92	5.1/6.9,R4.2/7.2	17	

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER TIMOTHY JOHN LEE No. C50605 Exp. 9-30-07 CIVIL STATE OF CALIFORNIA

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55 S. MARKET STREET, SUITE 1500
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Caltrans Metric

MATERIAL PROCUREMENT PLAN
[NOT FOR CONSTRUCTION]
AUGUST 18, 2006

OWNER FURNISHED SIGN QUANTITIES

Sheet No.	Sign No.	Sign Code	Sign Size LxD (mm x mm)			Sign Area (m^2)	Single Faced	Background Sheeting Color	Background Retroreflective ASTM Type	Legend Sheeting Color	Legend Retroreflective ASTM Type	Graffiti Film Premium	Roadside Single Sheet Framed Aluminum 1.6 mm (m^2)	Roadside Single Sheet Framed Aluminum 2.0 mm (m^2)	Roadside Single Sheet Unframed Aluminum 1.6 mm (m^2)	Roadside Single Sheet Unframed Aluminum 2.0 mm (m^2)	Roadside Laminated Type B 25.4 mm (m^2)	Overhead Formed with RSPF (m^2)
S-1	1	Special	1500	x	1200	1.80	X	Yellow	III	Black	III	X	1.80					
S-1	2	Special	900	x	900	0.81	X	White	III	Black	III	X			0.81			
S-1	3	Special	4270	x	2540	10.85	X	White	III	Black	III	X						10.85
S-1	4	Special	2440	x	452	1.10	X	White	III	Black	III	X		1.10				
												Subtotal	1.80	1.10	0.81			10.85
S-2	1	Special	1370	x	1800	2.47	X	White	III	Black	III	X	2.47					
S-2	2	Special	1200	x	1200	1.44	X	Yellow	III	Black	III	X				1.44		
S-2	3	Special	1200	x	1200	1.44	X	Yellow	III	Black	III	X				1.44		
S-2	4	Special	3660	x	2540	9.30	X	White	III	Black	III	X						9.30
S-2	5	Special	1200	x	1200	1.44	X	Yellow	III	Black	III	X				1.44		
S-2	6	Special	1200	x	1200	1.44	X	Yellow	III	Black	III	X				1.44		
												Subtotal	2.47			5.76		9.30
S-3	1	Special	1500	x	1200	1.80	X	Yellow	III	Black	III	X	1.80					
S-3	2	Special	900	x	900	0.81	X	White	III	Black	III	X			0.81			
S-3	3	Special	2440	x	1200	2.93	X	White	III	Black	III	X		2.93				
S-3	4	Special	1500	x	1200	1.80	X	Yellow	III	Black	III	X	1.80					
S-3	5	Special	1200	x	1200	1.44	X	White	III	Black	III	X				1.44		
												Subtotal	3.60	2.93	0.81	1.44		
S-4	1	Special	1200	x	1200	1.44	X	Yellow	III	Black	III	X				1.44		
S-4	2	Special	1200	x	1200	1.44	X	White	III	Black	III	X				1.44		
S-4	3	Special	1200	x	1200	1.44	X	Yellow	III	Black	III	X				1.44		
												Subtotal				4.32		
S-5	1	Special	1200	x	1200	1.44	X	Yellow	III	Black	III	X				1.44		
S-5	2	Special	1370	x	1800	2.47	X	White	III	Black	III	X	2.47					
S-5	3	Special	1200	x	1200	1.44	X	Yellow	III	Black	III	X				1.44		
												Subtotal	2.47			2.88		
SD-1	1	R2-1 (25)	600	x	750	0.45	X	White	III	Black	III	X			0.45			
SD-1	2	R2-1 (25)	600	x	750	0.45	X	White	III	Black	III	X			0.45			
SD-1	4	R2-1 (25)	600	x	750	0.45	X	White	III	Black	III	X			0.45			
SD-1	5	R2-1 (5)	600	x	750	0.45	X	White	III	Black	III	X			0.45			
SD-1	6	R2-1 (5)	600	x	750	0.45	X	White	III	Black	III	X			0.45			
SD-1	8	Special	3660	x	609	2.23	X	White	III	Black	III	X					2.23	
SD-1	9	Special	3660	x	609	2.23	X	White	III	Black	III	X					2.23	
SD-1	14	Special	3660	x	609	2.23	X	White	III	Black	III	X					2.23	
SD-1	15	Special	3660	x	609	2.23	X	White	III	Black	III	X					2.23	
SD-1	19	W11-2	600	x	600	0.36	X	Yellow	III	Black	III	X			0.36			
SD-1	20	W11-2	600	x	600	0.36	X	Yellow	III	Black	III	X			0.36			
												Subtotal			2.97		8.92	
SD-3	2	Special	3660	x	609	2.23	X	White	III	Black	III	X					2.23	
SD-3	3	Special	3660	x	609	2.23	X	White	III	Black	III	X					2.23	
SD-3	4	Special	3660	x	609	2.23	X	White	III	Black	III	X					2.23	
SD-3	7	Special	3660	x	609	2.23	X	White	III	Black	III	X					2.23	
SD-3	8	Special	3660	x	609	2.23	X	White	III	Black	III	X					2.23	
SD-3	9	Special	3660	x	609	2.23	X	White	III	Black	III	X					2.23	
SD-3	10	Special	3660	x	609	2.23	X	White	III	Black	III	X					2.23	
SD-3	14	R2-1 (25)	600	x	750	0.45	X	White	III	Black	III	X			0.45			
SD-3	15	R2-1 (25)	600	x	750	0.45	X	White	III	Black	III	X			0.45			
SD-3	16	R2-1 (25)	600	x	750	0.45	X	White	III	Black	III	X			0.45			
SD-3	17	R2-1 (25)	600	x	750	0.45	X	White	III	Black	III	X			0.45			
SD-3	18	R2-1 (25)	600	x	750	0.45	X	White	III	Black	III	X			0.45			
SD-3	19	R2-1 (25)	600	x	750	0.45	X	White	III	Black	III	X			0.45			
SD-3	20	R2-1 (25)	600	x	750	0.45	X	White	III	Black	III	X			0.45			
SD-3	21	R2-1 (5)	600	x	750	0.45	X	White	III	Black	III	X			0.45			
SD-3	22	Special	3660	x	609	2.23	X	White	III	Black	III	X					2.23	
SD-3	23	R2-1 (5)	600	x	750	0.45	X	White	III	Black	III	X			0.45			
												Subtotal			4.05		17.83	
												Total	10.33	4.03	8.64	14.40	26.75	20.14

SIGN QUANTITIES
(DUMBARTON-SAN MATEO)
NO SCALE

SQ-3

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

DESIGN OVERSIGHT

CALCULATED/DESIGNED BY DW
CHECKED BY BR
DATE X-XX
REVISED BY
DATE REVISED

FOR REDUCED PLANS ORIGINAL SCALE IS IN MILLIMETERS 0 10 20 30 40

USERNAME => VCJ
DGN FILE => $FILE$

CU XXXXX

EA XXXXXX

LAST REVISION 00-00-00
DATE PLOTTED => $DATE$
TIME PLOTTED => $TIME$

DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No	TOTAL SHEETS
04	Ala	84,92	5.1/6.9,R4.2/7.2	18	

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER TIMOTHY JOHN LEE No. C50605 Exp. 9-30-07 CIVIL STATE OF CALIFORNIA

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BAY AREA TOLL AUTHORITY
101 EIGHT STREET
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URS CORPORATION
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SAN JOSE, CA 95113

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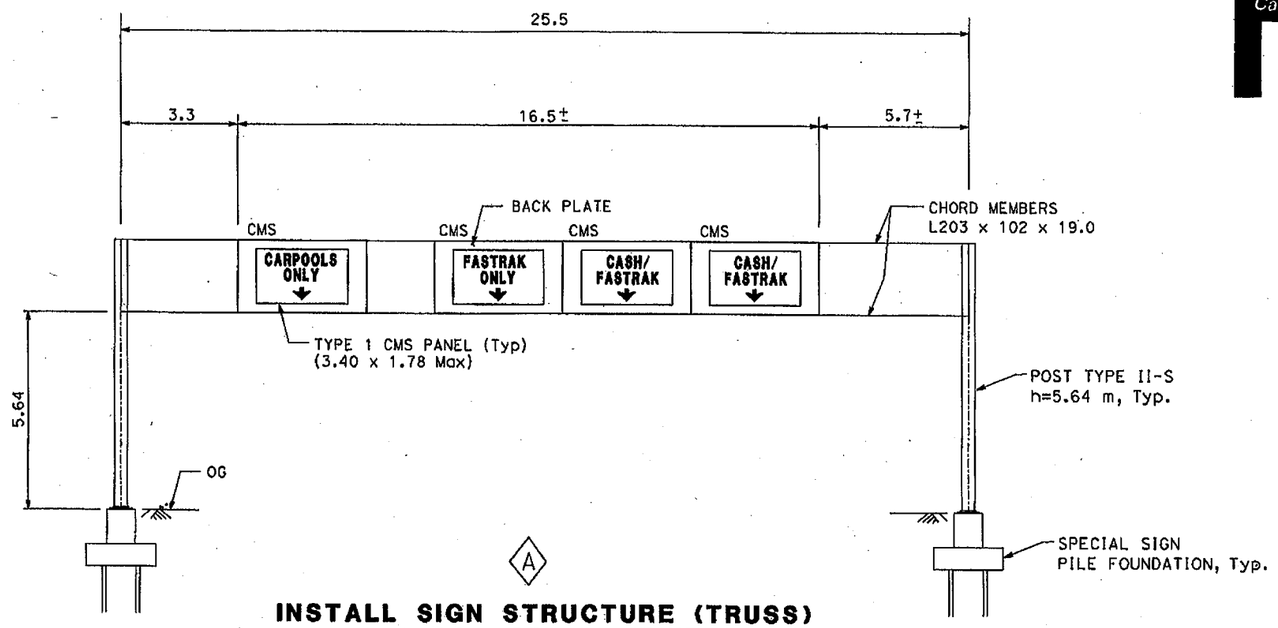
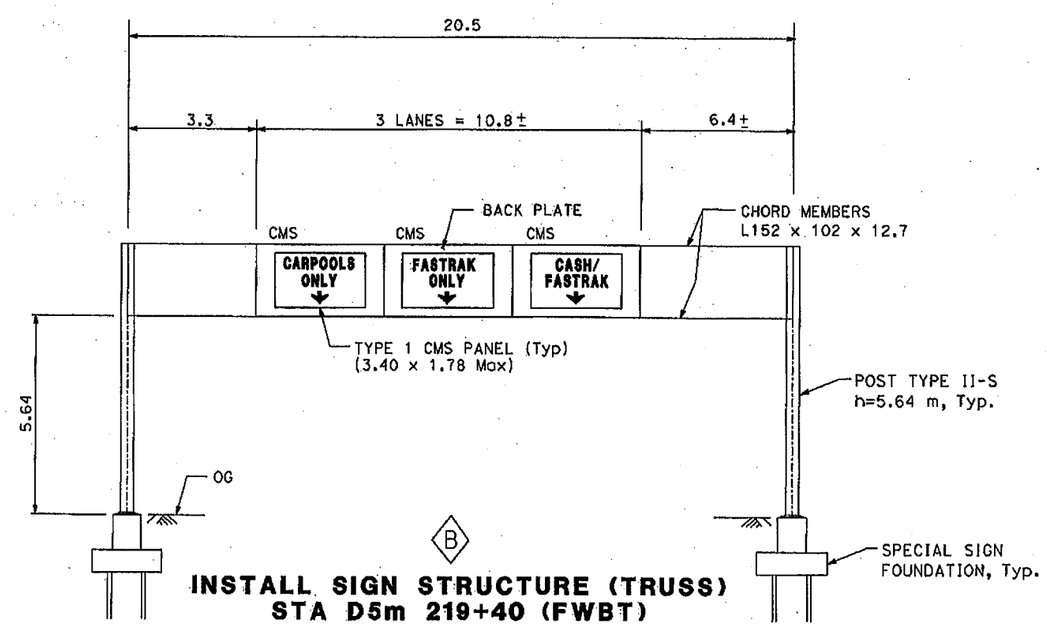
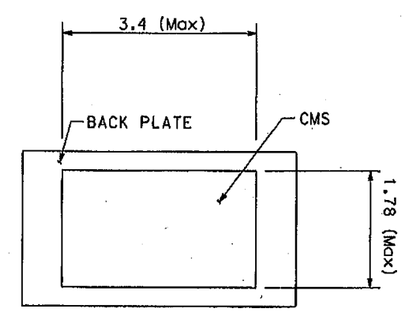
MATERIAL PROCUREMENT PLAN
[NOT FOR CONSTRUCTION]
AUGUST 18, 2006



INSTALL SIGN STRUCTURE (TRUSS)
STA D5m 208+60 (FWBT)



INSTALL SIGN STRUCTURE (TRUSS)
STA D5m 219+40 (FWBT)



TYPE 1 CMS PANEL

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

SIGN DETAILS
(DUMBARTON BRIDGE)
NO SCALE

SD-2

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

DESIGN OVERSIGHT

CALCULATED/DESIGNED BY | DW | DATE X-XX | REVISED BY
CHECKED BY | BR | X-XX | DATE REVISED

LAST REVISION 00-00-00 | DATE PLOTTED => $DATE$ | TIME PLOTTED => $TIME$

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USERNAME => VCJ
DGN FILE => $FILE$

CU XXXXX

EA XXXXXX

DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No	TOTAL SHEETS
04	Ala	84,92	5.1/6.9,R4.2/7.2	19	

REGISTERED CIVIL ENGINEER DATE

REGISTERED PROFESSIONAL ENGINEER TIMOTHY JOHN LEE No. C50605 Exp. 9-30-07 CIVIL STATE OF CALIFORNIA

PLANS APPROVAL DATE

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SAN JOSE, CA 95113

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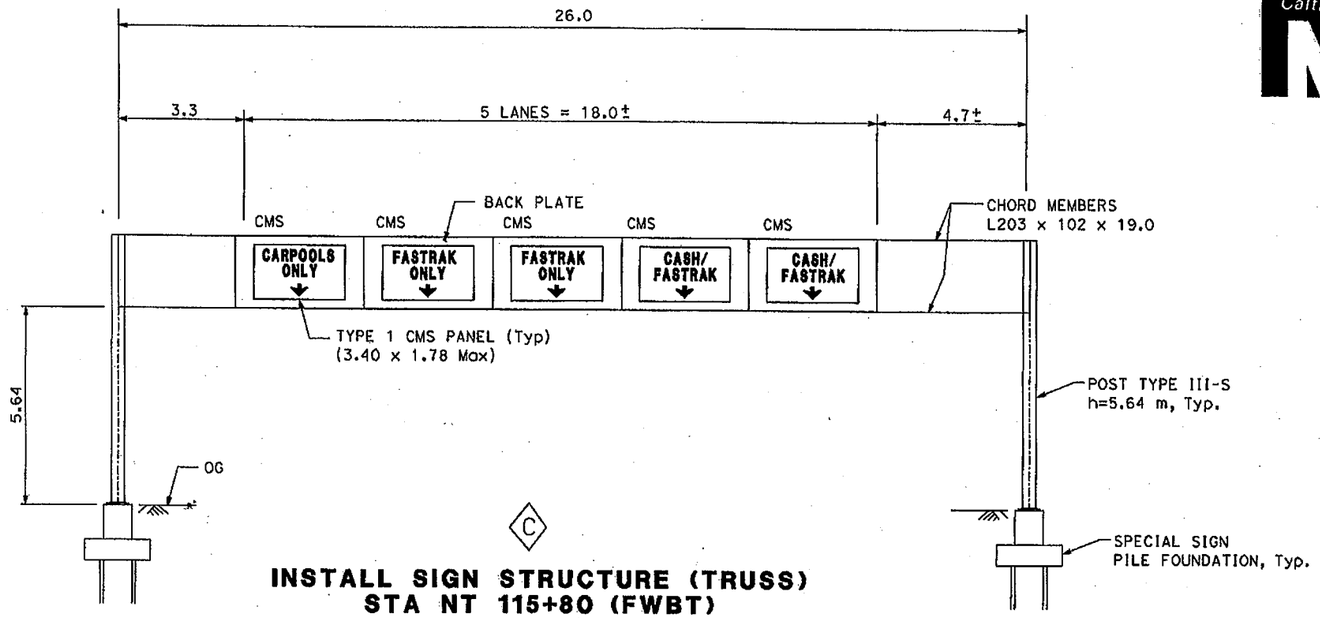
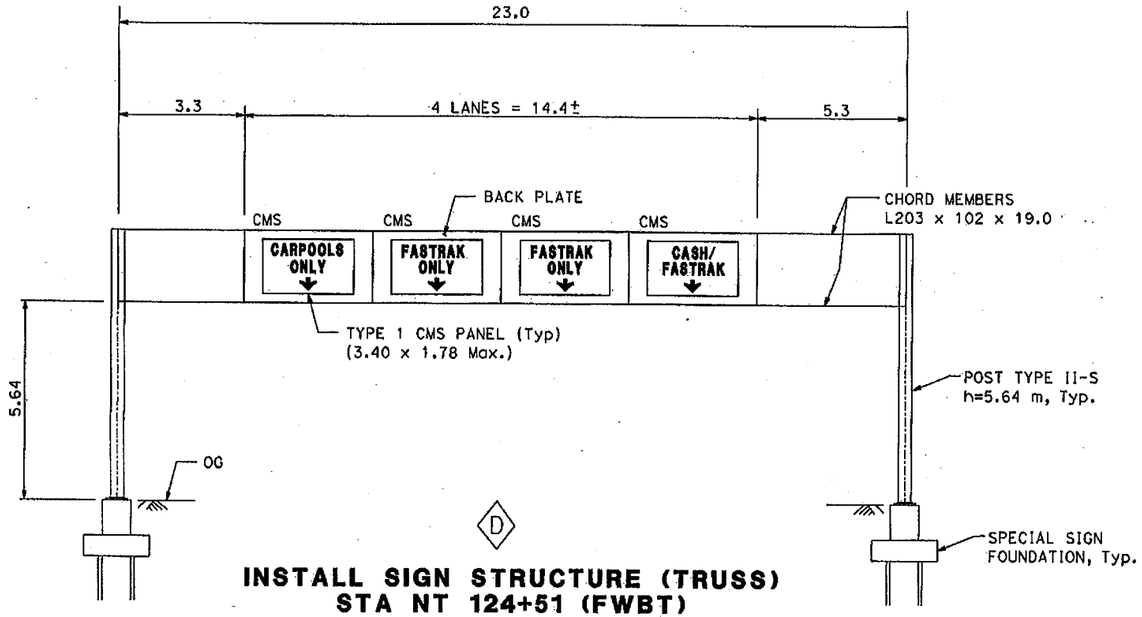
NOTE: TRUSS DESIGN AS PER STANDARD PLAN S11 FOR PANEL DEPTH=2286 mm UNLESS NOTED OTHERWISE.

MATERIAL PROCUREMENT PLAN
[NOT FOR CONSTRUCTION]
AUGUST 18, 2006



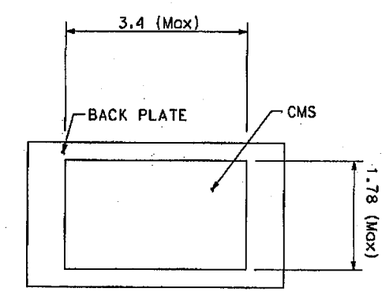
C

INSTALL SIGN STRUCTURE (TRUSS)
STA NT 115+80 (FWBT)



D

INSTALL SIGN STRUCTURE (TRUSS)
STA NT 124+51 (FWBT)



TYPE 1 CMS PANEL

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

SIGN DETAILS
(SAN MATEO-HAYWARD BRIDGE)
NO SCALE

SD-4

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

DESIGN OVERSIGHT

CALCULATED/DESIGNED BY | DW | DATE X-XX | REVISED BY
CHECKED BY | BR | X-XX | DATE REVISED

LAST REVISION 00-00-00 | DATE PLOTTED => $DATE$ | TIME PLOTTED => $TIME$

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USERNAME => VCJ
DGN FILE => $FILE$

CU xxxxx

EA xxxxxx

DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No	TOTAL SHEETS
04	Ala	84,92	5.1/6.9,R4.2/7.2	20	

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER TIMOTHY JOHN LEE No. C50505 Exp. 9-30-07 CIVIL STATE OF CALIFORNIA

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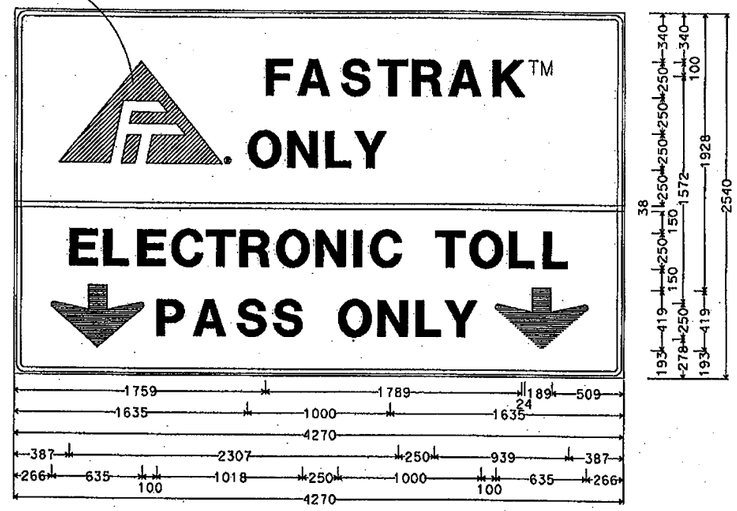
MATERIAL PROCUREMENT PLAN
[NOT FOR CONSTRUCTION]
AUGUST 18, 2006

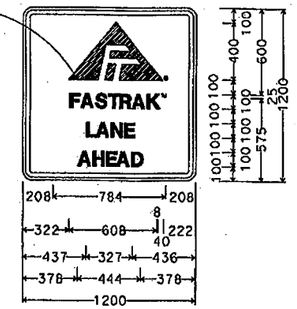
SEE DETAIL A



76mm Radius, 32mm Border, 15mm Indent, Black on White;
[FASTRAKTM] E Mod; [ONLY] E Mod; [ELECTRONIC TOLL] E Mod; Down Arrow 420mm 270(;
[PASS ONLY] E Mod; Down Arrow 420mm 270(;

SIGN 3 ON S-1

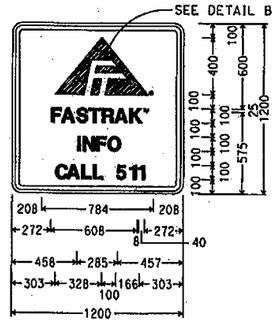
SEE DETAIL B



70mm Radius, 30mm Border, 20mm Indent, Black on Yellow;
[XX] E Mod;[FASTRAKTM] D;[LANE] D; [AHEAD] D;

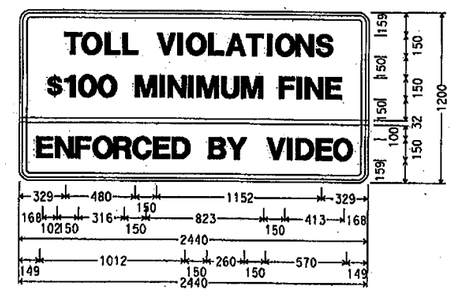
SIGN 2 ON S-2
SIGN 3 ON S-2
SIGN 5 ON S-2
SIGN 6 ON S-2

SEE DETAIL B



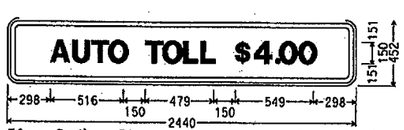
70mm Radius, 30mm Border,
20mm Indent, Black on White;
[XX] E Mod;
[FASTRAKTM] D; [INFO] D;
[CALL 511] D;

SIGN 5 ON S-3
SIGN 2 ON S-4



76mm Radius, 32mm Border,
20mm Indent, Black on White;
[TOLL VIOLATIONS] D;
[$ 100 MINIMUM FINE] D;
[ENFORCED BY VIDEO] D;

SIGN 3 ON S-3

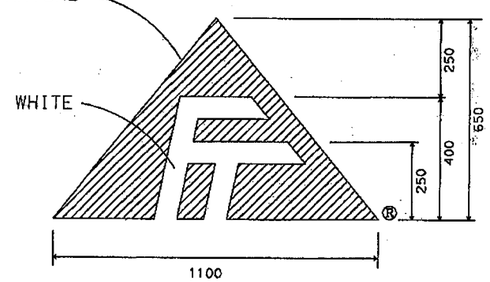


76mm Radius, 32mm Border, 19mm Indent, Black on White;
[AUTO TOLL $4.00] D;

SIGN 4 ON S-1

PURPLE PANTONE #248

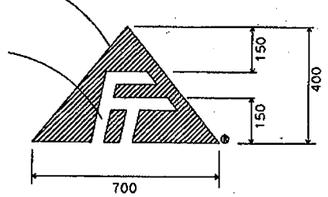
WHITE



DETAIL A

PURPLE PANTONE #248

WHITE



DETAIL B

ALL DIMENSIONS ARE IN
MILLIMETERS UNLESS OTHERWISE SHOWN

SIGN DETAILS
(DUMBARTON - SAN MATEO)
NO SCALE

SD-5

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

DESIGN OVERSIGHT | CALCULATED/DESIGNED BY | CHECKED BY | DW | BR | DATE X-XX | X-XX | REVISED BY | DATE REVISED

LAST REVISION 00-00-00 | DATE PLOTTED => $DATE$ | TIME PLOTTED => $TIME$

FOR REDUCED PLANS ORIGINAL SCALE IS IN MILLIMETERS 0 10 20 30 40

USERNAME => VCJ
DGN FILE => $FILE$

CU XXXXX | EA XXXXXX

DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No	TOTAL SHEETS
04	Ala	84,92	5.1/6.9,R4.2/7.2	21	

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

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REGISTERED PROFESSIONAL ENGINEER TIMOTHY JOHN LEE No. C50605 Exp. 9-30-07 CIVIL STATE OF CALIFORNIA

BAY AREA TOLL AUTHORITY
101 EIGHT STREET
OAKLAND, CA 94607

URS CORPORATION
55 S. MARKET STREET, SUITE 1500
SAN JOSE, CA 95113

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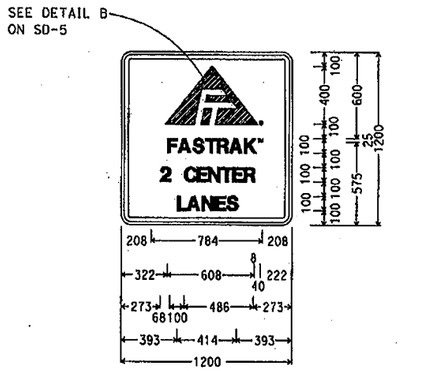
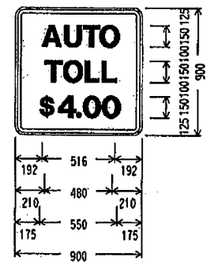
MATERIAL PROCUREMENT PLAN
[NOT FOR CONSTRUCTION]
AUGUST 18, 2006



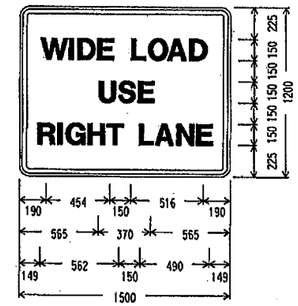
70mm Radius, 30mm Border, 20mm Indent, Black on Yellow;[XX] E Mod; [FASTRAKTM] D;[2 CENTER] D; [LANES] D;

SIGN 1 ON S-4
SIGN 3 ON S-4
SIGN 1 ON S-5
SIGN 3 ON S-5



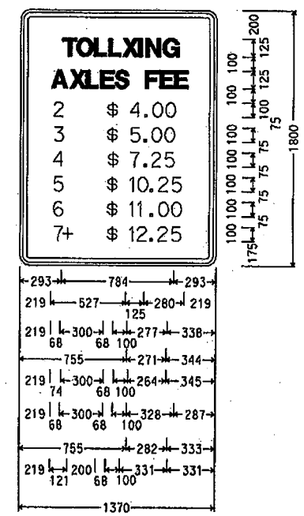
60mm Radius, 25mm Border, 15mm Indent, Black on White [AUTO] D;[TOLL] D;[$4.00] D

SIGN 2 ON S-1
SIGN 2 ON S-3



70mm Radius, 30mm Border, 20mm Indent, Black on Yellow; [WIDE LOAD] D;[USE] D;[RIGHT LANE] D

SIGN 1 ON S-1
SIGN 1 AND 4 ON S-3



70mm Radius, 30mm Border, 20mm Indent, Black on White; [TOLLXING] D; [AXELS FEE] D; [2 $ 4.00] D; [3 $ 5.00] D; [4 $ 7.25] D; [5 $ 10.25] D; [6 $ 11.00] D; [7+ $ 12.25] D;

SIGN 1 ON S-2
SIGN 2 ON S-5

305mm Radius, 50mm Border, 38mm Indent, Black on White; [FASTRAKTM] E Mod; [INFO] E Mod; [CALL 511] E Mod;

SIGN 4 ON S-2

SIGN DETAIL
(DUMBARTON - SAN MATEO)

NO SCALE

SD-6

ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SHOWN

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans

CALCULATED/ DESIGNED BY	DW	DATE X-XX	REVISED BY
CHECKED BY	BR	X-XX	DATE REVISED

DESIGN OVERSIGHT

LAST REVISION 00-00-00 DATE PLOTTED => $DATE$ TIME PLOTTED => $TIME$

FOR REDUCED PLANS ORIGINAL SCALE IS IN MILLIMETERS 0 10 20 30 40

USERNAME => VCJ
DGN FILE => $FILE$

CU XXXXX

EA XXXXXX

DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No	TOTAL SHEETS
04	Ala	84,92	5.1/6.9,R4.2/7.2	22	

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER TIMOTHY JOHN LEE No. C50605 Exp. 9-30-07 CIVIL STATE OF CALIFORNIA

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BAY AREA TOLL AUTHORITY
101 EIGHT STREET
OAKLAND, CA 94607

URS CORPORATION
55 S. MARKET STREET, SUITE 1500
SAN JOSE, CA 95113

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Caltrans Metric

MATERIAL PROCUREMENT PLAN
[NOT FOR CONSTRUCTION]
AUGUST 18, 2006

LEGEND:

(1) CONSTRUCTION AREA SIGN LETTER

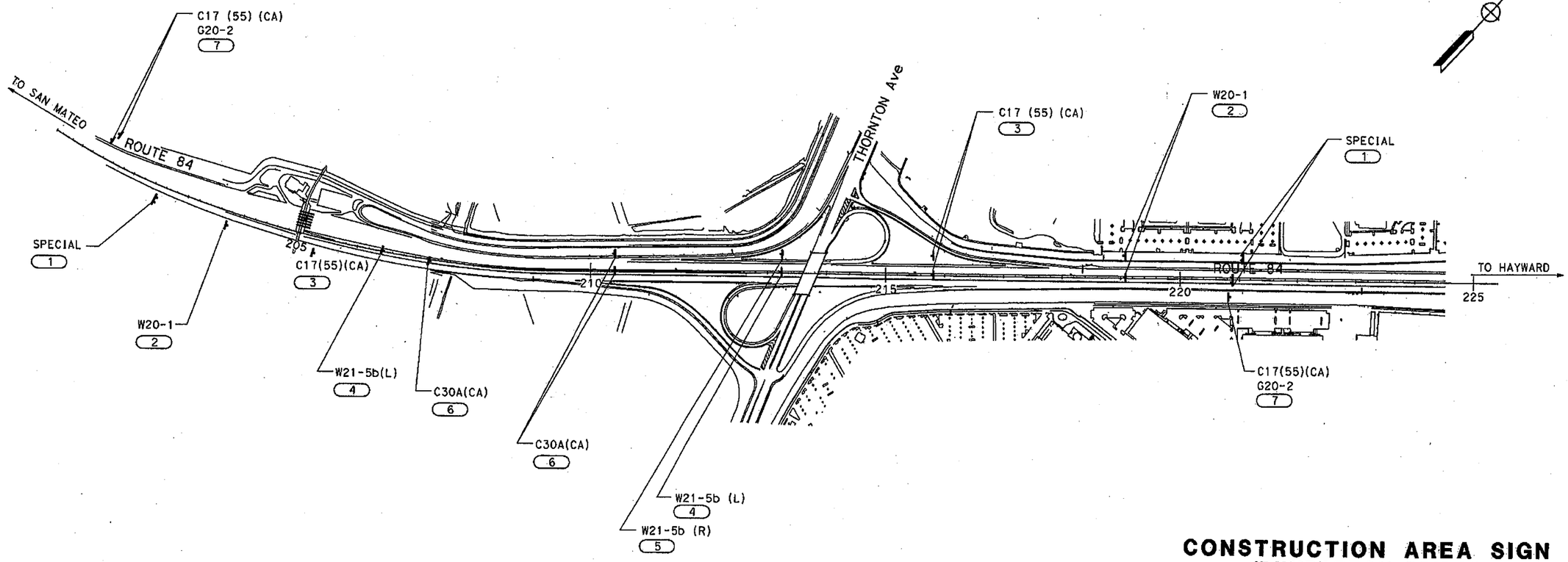
PROPOSED ONE POST SIGN LOCATION

PROPOSED TWO POST SIGN LOCATION

NOTES:

1. EXACT LOCATION AND POSITION OF CONSTRUCTION AREA SIGNS TO BE DETERMINED BY THE ENGINEER.
2. COVER AND UNCOVER SIGN PANEL AS DIRECTED BY THE ENGINEER.
3. ADVANCE INFORMATION SIGNS TO BE INSTALLED SEVEN (7) DAYS PRIOR TO CLOSURE

SIGN No.	CODE	MESSAGE	PANEL SIZE (mm x mm)	No. OF POSTS & SIZE (EA - mm x mm)	QUANTITY	REMARKS
1	SPECIAL	ROAD CONSTRUCTION __/__/TO__/__ EXPECT DELAYS	3660x1200	2-89x140	3	-
2	W20-1	ROAD WORK AHEAD	900x900	1-89x140	3	-
3	C17(55) (CA)	ROAD WORK SPEED LIMIT 55	600x600	1-89x140	3	-
4	W21-5B(L)	LEFT SHOULDER CLOSED 1000FT	900x900	1-89x140	2	-
5	W21-5B(R)	RIGHT SHOULDER CLOSED 1000FT	900x900	1-89x140	1	-
6	C30A(CA)	SHOULDER CLOSED	900x900	1-89x140	3	-
7	C17(55)(CA)	END 55 SPEED LIMIT	600x600	1-89x140	2	-
	G20-2	END ROAD WORK	900x450	-	2	-



CONSTRUCTION AREA SIGN
(DUMBARTON BRIDGE)

NO SCALE

THIS PLAN IS ACCURATE FOR CONSTRUCTION AREA SIGN INFORMATION ONLY

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

CS-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans

DESIGN OVERSIGHT

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LAST REVISION 00-00-00 | DATE PLOTTED => $DATE$ | TIME PLOTTED => $TIME$

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USERNAME => VCJ
DGN FILE => $FILE$

CU XXXXX

EA XXXXXX

DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No	TOTAL SHEETS
04	Ala	84,92	5.1/6.9,R4.2/7.2	23	

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER TIMOTHY JOHN LEE No. C50605 Exp. 9-30-07 CIVIL STATE OF CALIFORNIA

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LEGEND:

(1) CONSTRUCTION AREA SIGN LETTER

PROPOSED ONE POST SIGN LOCATION

PROPOSED TWO POST SIGN LOCATION

NOTES:

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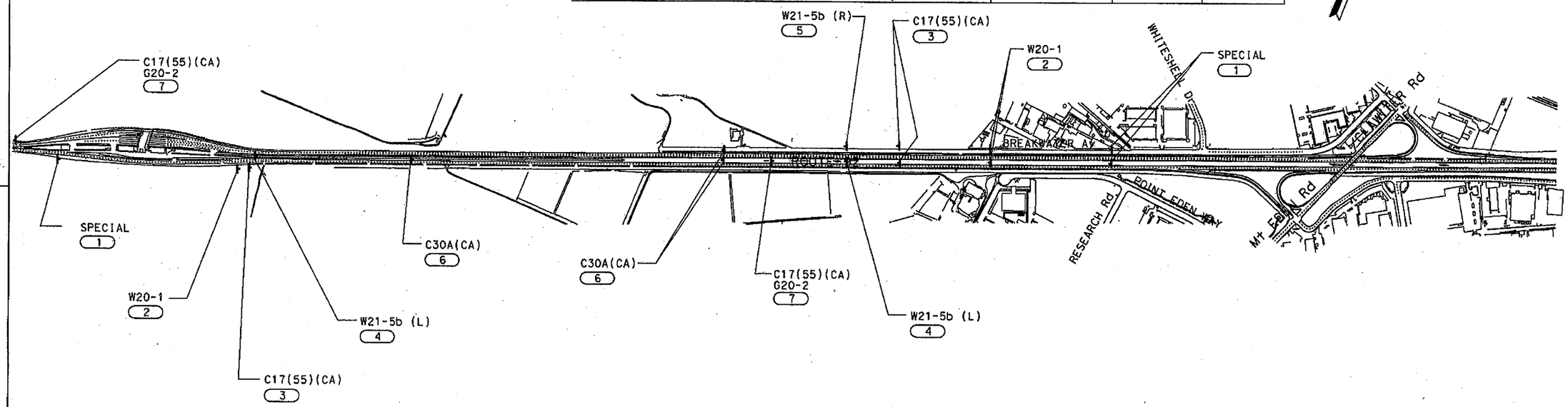
SIGN No.	CODE	MESSAGE	PANEL SIZE (mm x mm)	No. OF POSTS & SIZE (EA - mm x mm)	QUANTITY	REMARKS
1	SPECIAL	ROAD CONSTRUCTION __/__/TO__/__ EXPECT DELAYS	3660x1200	2-89x140	3	-
2	W20-1	ROAD WORK AHEAD	900x900	1-89x140	3	-
3	C17(55) (CA)	ROAD WORK SPEED LIMIT 55	600x600	1-89x140	3	-
4	W21-5B(L)	LEFT SHOULDER CLOSED 1000FT	900x900	1-89x140	2	-
5	W21-5B(R)	RIGHT SHOULDER CLOSED 1000FT	900x900	1-89x140	1	-
6	C30A(CA)	SHOULDER CLOSED	900x900	1-89x140	3	-
7	C17(55)(CA)	END 55 SPEED LIMIT	600x600	1-89x140	2	-
	G20-2	END ROAD WORK	900x450	-	2	-



MATERIAL PROCUREMENT PLAN
[NOT FOR CONSTRUCTION]
AUGUST 18, 2006

THIS PLAN IS ACCURATE FOR CONSTRUCTION AREA SIGN INFORMATION ONLY

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

CONSTRUCTION AREA SIGN
(SAN MATEO-HAYWARD BRIDGE)

SCALE 1:5000

CS-2

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans

DESIGN OVERSIGHT

CALCULATED/DESIGNED BY | DW | DATE X-XX | REVISED BY
CHECKED BY | BR | X-XX | DATE REVISED

FOR REDUCED PLANS ORIGINAL SCALE IS IN MILLIMETERS 0 10 20 30 40

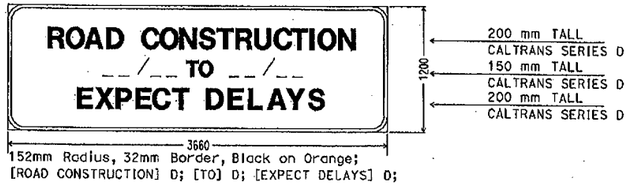
USERNAME => VCJ
DGN FILE => $FILE$

CU XXXXX

EA XXXXXX

LAST REVISION 00-00-00 | DATE PLOTTED => $DATE$ | TIME PLOTTED => $TIME$

SPECIAL



152mm Radius, 32mm Border, Black on Orange;
[ROAD CONSTRUCTION] D; [TO] D; [EXPECT DELAYS] D;

Caltrans Metric

DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET NO	TOTAL SHEETS
		84	7.2	24	

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER TIMOTHY JOHN LEE No. C50605 Exp. 9-30-07 CIVIL STATE OF CALIFORNIA

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MATERIAL PROCUREMENT PLAN
[NOT FOR CONSTRUCTION]
AUGUST 18, 2006

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

DESIGN OVERSIGHT

CALCULATED/DESIGNED BY DW DATE X-XX REVISED BY
CHECKED BY BR X-XX DATE REVISED

CONSTRUCTION SIGN DETAILS
(DUMBARTON-SAN MATEO)

NO SCALE

CS-3

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

LAST REVISION 00-00-00 DATE PLOTTED => $DATE$ TIME PLOTTED => $TIME$

FOR REDUCED PLANS ORIGINAL SCALE IS IN MILLIMETERS 0 10 20 30 40

USERNAME => VCJ
DGN FILE => $FILE$

CU XXXXX

EA XXXXXX

DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No	TOTAL SHEETS
04	CC	680	37.4/40.0	25	

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

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OWNER FURNISHED SIGN QUANTITIES

Sheet No.	Sign No.	Sign Code	Sign Size LxD (mm x mm)			Sign Area (m2)	Single Faced	Background Sheeting Color	Background Retroreflective ASTM Type	Legend Sheeting Color	Legend Retroreflective ASTM Type	Graffiti Film Premium	Roadside Single Sheet Framed Aluminium 2.0 mm	Roadside Single Sheet Unframed Aluminum 1.6 mm	Roadside Single Sheet Unframed Aluminum 2.0 mm	Roadside Laminated Type B 25.4 mm	Overhead Formed with RSPF
S-1	1	R84-2 (CA)	914	x	1676	1.53	X	White	III	Black	III	X			1.53		
S-1	2	R84-1 (CA)	914	x	1524	1.39	X	White	III	Black	III	X			1.39		
S-1	3	Special	1200	x	1200	1.44	X	Yellow	III	Black	III	X			1.44		
S-1	4	R93-2 (CA)	1220	x	900	1.10	X	White	III	Black	III	X			1.10		
S-1	5	R82-1 (CA)	914	x	1676	1.53	X	White	III	Black	III	X			1.53		
S-1	6	Special	1200	x	1200	1.44	X	Yellow	III	Black	III	X			1.44		
												Subtotal			8.43		
S-2	1	SPECIAL	1200	x	1200	1.44	X	Yellow	III	Black	III	X			1.44		
S-2	2	R82-1 (CA)	914	x	1676	1.53	X	White	III	Black	III	X			1.53		
		R82B (CA)	914	x	610	0.56	X	White	III	Black	III	X		0.56			
S-2	3	R93-2 (CA)	914	x	2134	1.95	X	White	III	Black	III	X			1.95		
S-2	4	R91-3 (CA) SPECIAL	1500	x	1200	1.80	X	White	III	Black	III	X	1.80				
S-2	6	Special	1830	x	1200	2.20	X	White	III	Black	III	X	2.20				
		Special	2440	x	452	1.10	X	White	III	Black	III	X	1.10				
S-2	7	Special	1370	x	1800	2.47	X	White	III	Black	III	X	2.47				
S-2	8	SPECIAL	1200	x	1200	1.44	X	Yellow	III	Black	III	X			1.44		
												Subtotal	7.56	0.56	6.36		
S-3	1	SR50-2	914	x	1981	1.81	X	White	III	Black	III	X			1.81		
S-3	2	W1-2a (55)	900	x	900	0.81	X	Yellow	III	Black	III	X		0.81			
S-3	3	R86-3 (CA)	914	x	1676	1.53	X	White	III	Black	III	X			1.53		
S-3	4	W75-1R	914	x	1524	1.39	X	Yellow	III	Black	III	X			1.39		
S-3	5	Special	3660	x	2540	9.30	X	White	III	Black	III	X					9.30
S-3	6	Special	3660	x	2540	9.30	X	White	III	Black	III	X					9.30
S-3	7	Special	4880	x	2540	12.40	X	White	III	Black	III	X					12.40
S-3	8	Special	3660	x	2540	9.30	X	White	III	Black	III	X					9.30
S-3	9	Special	3660	x	2540	9.30	X	Yellow	III	Black	III	X					9.30
												Subtotal		0.81	4.74		49.58
SD-1	2	SPECIAL	3660	x	609	2.23	X	White	III	Black	III	X				2.23	
SD-1	3	SPECIAL	3660	x	609	2.23	X	White	III	Black	III	X				2.23	
SD-1	4	SPECIAL	3660	x	609	2.23	X	White	III	Black	III	X				2.23	
SD-1	5	SPECIAL	3660	x	609	2.23	X	White	III	Black	III	X				2.23	
SD-1	6	SPECIAL	3660	x	609	2.23	X	White	III	Black	III	X				2.23	
SD-1	7	SPECIAL	3660	x	609	2.23	X	White	III	Black	III	X				2.23	
SD-1	8	SPECIAL	3660	x	609	2.23	X	White	III	Black	III	X				2.23	
SD-1	9	SPECIAL	3660	x	609	2.23	X	White	III	Black	III	X				2.23	
SD-1	10	SPECIAL	3660	x	609	2.23	X	White	III	Black	III	X				2.23	
SD-1	11	SPECIAL	3660	x	609	2.23	X	White	III	Black	III	X				2.23	
SD-1	12	SPECIAL	3660	x	609	2.23	X	White	III	Black	III	X				2.23	
												Subtotal				24.52	
											TOTAL		7.56	1.37	19.53	24.52	49.58

MATERIAL PROCUREMENT PLAN
[NOT FOR CONSTRUCTION]
AUGUST 18, 2006

SIGN QUANTITIES (BENICIA BRIDGE)

NO SCALE

SQ-2

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

DESIGN OVERSIGHT: M. PAZOOKI

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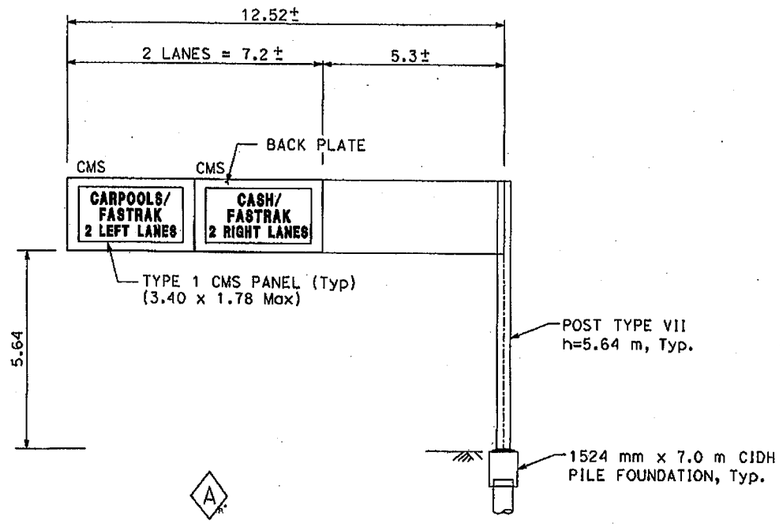
DGN FILE => $FILE$

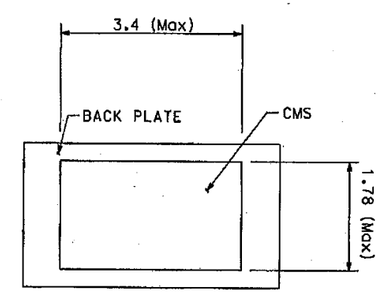
CU 04225 | EA 006051



INSTALL SIGN STRUCTURE (TRUSS) STA

NOTE: TRUSS DESIGN AS PER STANDARD PLAN S5 FOR PANEL DEPTH=2286 mm UNLESS NOTED OTHERWISE.

MATERIAL PROCUREMENT PLAN
[NOT FOR CONSTRUCTION]
AUGUST 18, 2006



TYPE 1 CMS PANEL

DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No	TOTAL SHEETS
04	CC	680	37.4/40.0	26	

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER TIMOTHY JOHN LEE No. C50605 Exp. 9-30-07 CIVIL STATE OF CALIFORNIA

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SIGN DETAILS
(BENICIA BRIDGE)

NO SCALE

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SD-2

LAST REVISION 00-00-00 | DATE PLOTTED => $DATE$ | TIME PLOTTED => $TIME$

FOR REDUCED PLANS ORIGINAL SCALE IS IN MILLIMETERS 0 10 20 30 40

USERNAME => VCJ
DGN FILE => $FILE$

CU 04225 | EA 006051

DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No	TOTAL SHEETS
04	CC	680	37.4/40.0	27	

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER TIMOTHY JOHN LEE No. C50605 Exp. 9-30-07 CIVIL STATE OF CALIFORNIA

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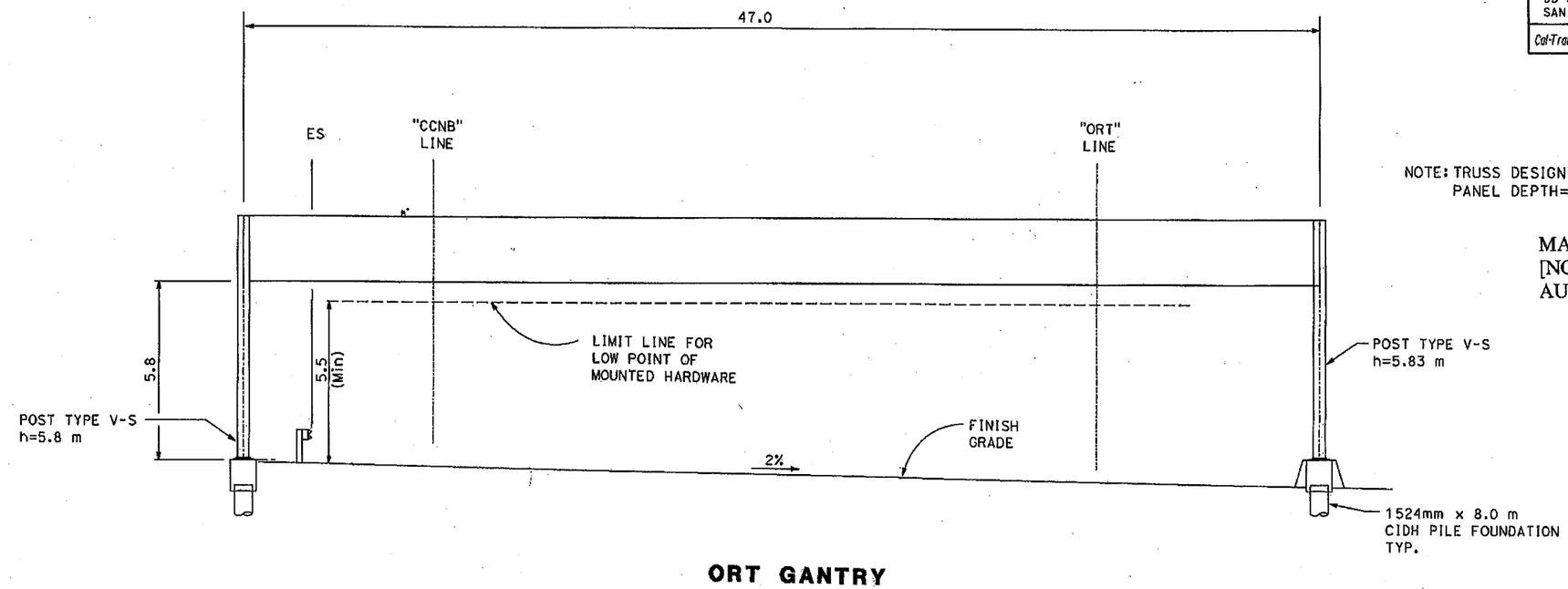
Caltrans Metric



ORT GANTRY

NOTE: TRUSS DESIGN AS PER STANDARD PLAN S11 FOR PANEL DEPTH=2286 mm UNLESS NOTED OTHERWISE.

MATERIAL PROCUREMENT PLAN
[NOT FOR CONSTRUCTION]
AUGUST 18, 2006

SIGN DETAILS
(BENICIA - MARTINEZ)

NO SCALE

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

SD-3

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

DESIGN OVERSIGHT: M. PAZOOKI

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LAST REVISION 00-00-00 | DATE PLOTTED => $DATE$ | TIME PLOTTED => $TIME$

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USERNAME => VCJ
DGN FILE => $FILE$

CU 04225 | EA 006051

DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	CC	680	37.4/40.0	28	

REGISTERED CIVIL ENGINEER DATE

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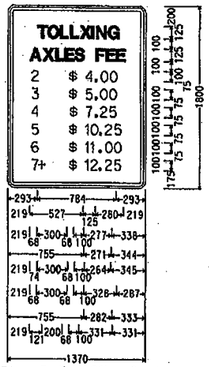
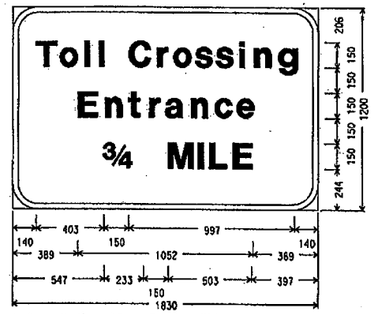


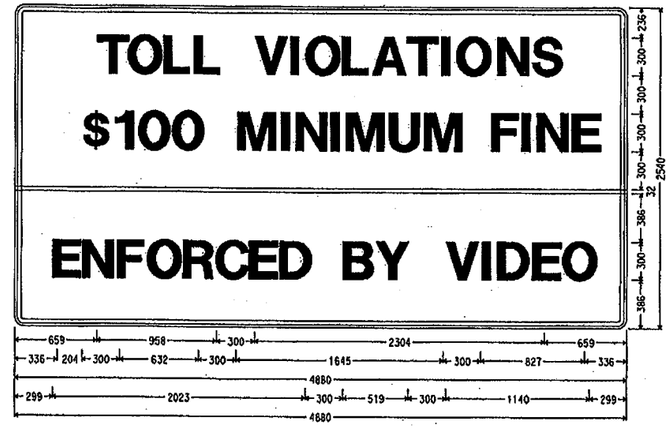
70mm Radius, 30mm Border, 20mm Indent, Black on White; [TOLLXING] D; [AXELS FEE] D; [2 $ 4.00] D; [3 $ 5.00] D; [4 $ 7.25] D; [5 $ 10.25] D; [6 $ 11.00] D; [7+ $ 12.25] D;

SIGN 7 ON S-2



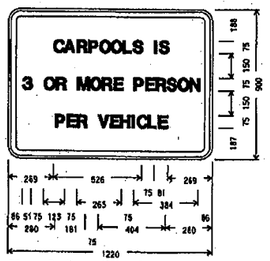
152mm Radius, 32mm Border, White on Green; [Toll Crossing] E Mod; [Entrance] E Mod; [¾ MILE] E Mod;

SIGN 6 ON S-2



76mm Radius, 32mm Border, 20mm Indent, Black on White; [TOLL VIOLATIONS] D; [$ 100 MINIMUM FINE] D; [ENFORCED BY VIDEO] D;

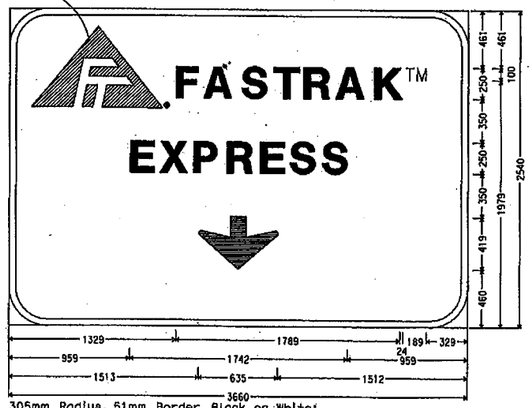
SIGN 7 ON S-3



76mm Radius, 32mm Border, 15mm Indent, Black on White; [CARPOOLS IS] D; [3 OR MORE PERSON] D; [PER VEHICLE] D;

SIGN 7 ON S-2

SEE DETAIL A



305mm Radius, 51mm Border, Black on White; [FASTRAKTM] E Mod; [EXPRESS] E Mod; Down Arrow 420mm 270[;

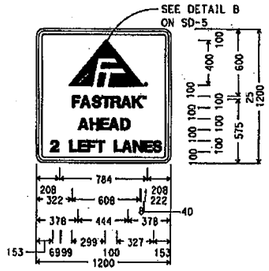
SIGN 5 ON S-3
SIGN 6 ON S-3

SEE DETAIL A

305mm Radius, 50mm Border, 38mm Indent, Black on White; [FASTRAKTM] E Mod; [INFO] E Mod; [CALL 511] E Mod;

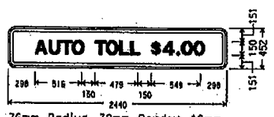
SIGN 8 ON S-3

SEE DETAIL B ON SD-5



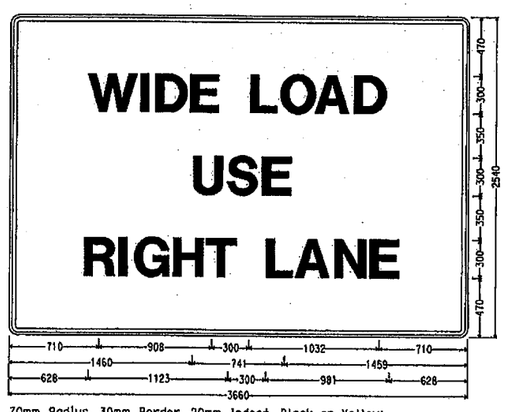
70mm Radius, 30mm Border, 20mm Indent, Black on Yellow; [XX] E Mod; [FASTRAKTM] D; [AHEAD] D; [2 LEFT LANE] D;

SIGN 3 ON S-1
SIGN 1 ON S-2
SIGN 6 ON S-1
SIGN 8 ON S-2



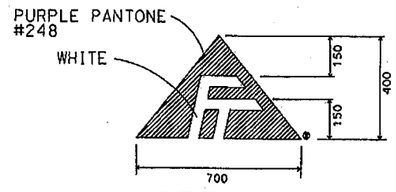
76mm Radius, 32mm Border, 19mm Indent, Black on White; [AUTO TOLL $4.00] D;

SIGN 6 ON S-2

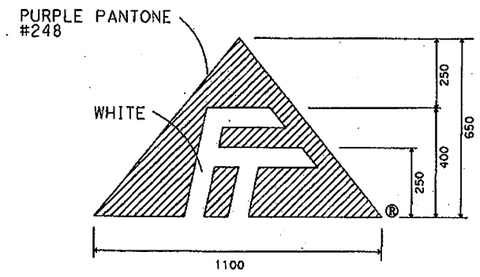


70mm Radius, 30mm Border, 20mm Indent, Black on Yellow; [WIDE LOAD] D; [USE] D; [RIGHT LANE] D;

SIGN 9 ON S-3



DETAIL B



DETAIL A

MATERIAL PROCUREMENT PLAN
[NOT FOR CONSTRUCTION]
AUGUST 18, 2006

SIGN DETAIL
(BENICIA)
NO SCALE

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

SD-4

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

DESIGN OVERSIGHT: M. PAZOOKI
CALCULATED/DESIGNED BY: DW DATE X-XX
CHECKED BY: BR X-XX
REVISED BY: DATE REVISED

LAST REVISION 00-00-00
DATE PLOTTED => $DATE$
TIME PLOTTED => $TIME$

FOR REDUCED PLANS ORIGINAL SCALE IS IN MILLIMETERS 0 10 20 30 40

USERNAME => VCJ
DGN FILE => $FILE$

CU 04225

EA 006051

DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No	TOTAL SHEETS
04	CC	680	37.4/40.0	29	

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER TIMOTHY JOHN LEE No. C50605 Exp. 9-30-07 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.

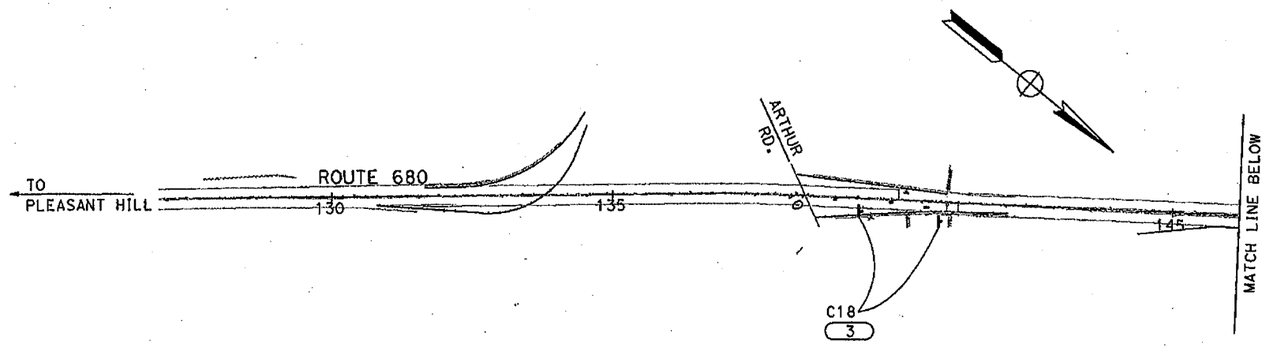
BAY AREA TOLL AUTHORITY
101 EIGHT STREET
OAKLAND, CA 94607

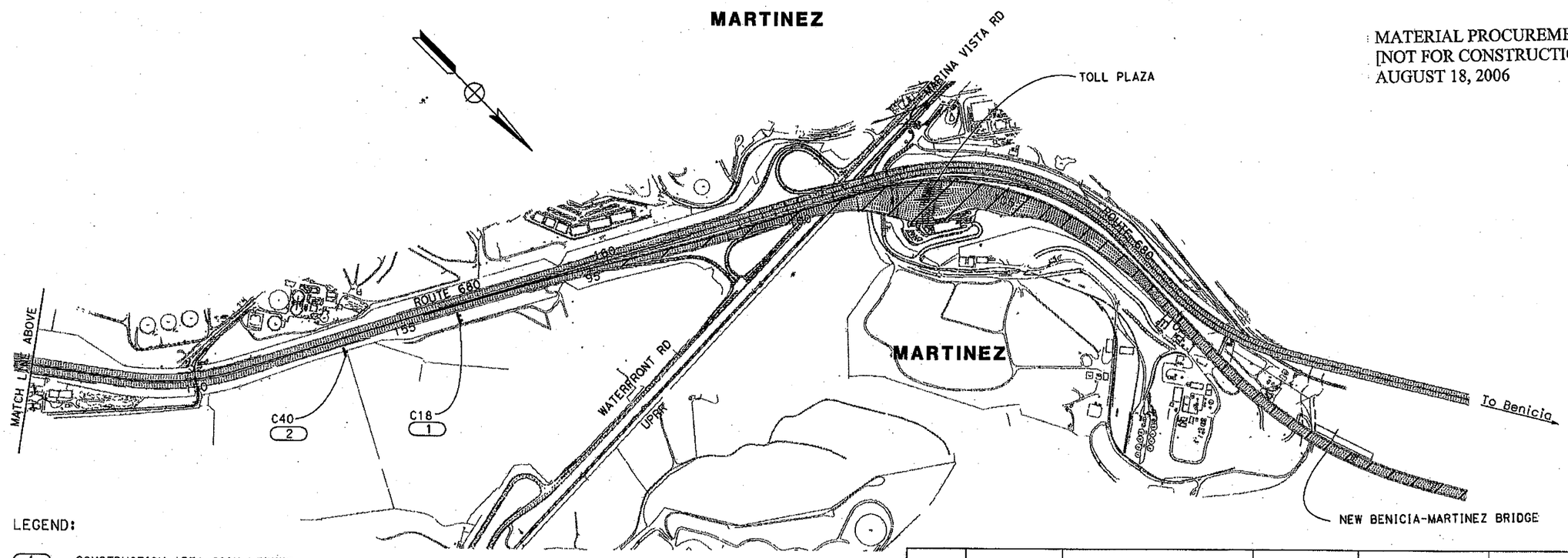
URS CORPORATION
55 S. MARKET STREET, SUITE 1500
SAN JOSE, CA 95113

Cal-Trans now has a web site! To get to the web site, go to: http://www.dot.ca.gov

Caltrans Metric

MATERIAL PROCUREMENT PLAN
[NOT FOR CONSTRUCTION]
AUGUST 18, 2006





LEGEND:

- (1) CONSTRUCTION AREA SIGN LETTER
- PROPOSED ONE POST SIGN LOCATION
- PROPOSED TWO POST SIGN LOCATION
- CONSTRUCTION AREA CLOSED TO TRAFFIC

NOTES:

1. EXACT LOCATION AND POSITION OF CONSTRUCTION AREA SIGNS TO BE DETERMINED BY THE ENGINEER.
2. COVER AND UNCOVER SIGN PANEL AS DIRECTED BY THE ENGINEER.

SIGN No.	CODE	MESSAGE	PANEL SIZE (mm x mm)	No. PF POSTS & SIZE (EA - mm x mm)	QUANTITY	REMARKS
1	C18	ROAD CONSTRUCTION AHEAD	-	-	1	COVER SIGN
2	C40	TRAFFIC FINE DOUBLED	1829x914	2-89x140	2	(BLACK ON WHITE)
3	C18	ROAD CONSTRUCTION AHEAD	1219x1219	1-89x140	2	

CONSTRUCTION AREA SIGNS
(BENICIA)

NO SCALE

CS-1

THIS PLAN IS ACCURATE FOR CONSTRUCTION AREA SIGN INFORMATION ONLY

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

DESIGN OVERSIGHT: M. PAZOOKI

CALCULATED/DESIGNED BY: DW — DATE: X-XX — REVISED BY
CHECKED BY: BR — DATE REVISED: X-XX

LAST REVISION: DATE PLOTTED => $DATE$ — TIME PLOTTED => $TIME$
00-00-00

FOR REDUCED PLANS ORIGINAL SCALE IS IN MILLIMETERS 0 10 20 30 40

USERNAME => VCJ
DGN FILE => $FILE$

CU 04225 | EA 006051