Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Kin	41	R42.1/R44.9	159	246

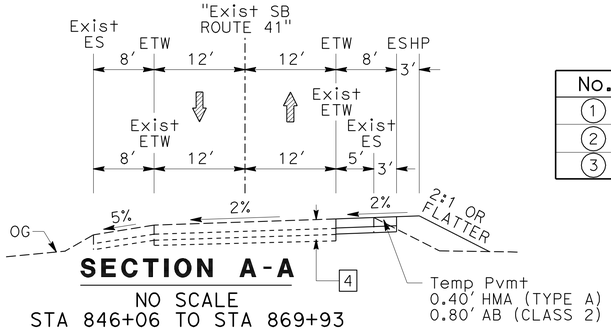
REGISTERED CIVIL ENGINEER 03-02-11 DATE

5-23-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER MARK GONZALEZ No. 73897 Exp. 6-30-11 CIVIL STATE OF CALIFORNIA

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

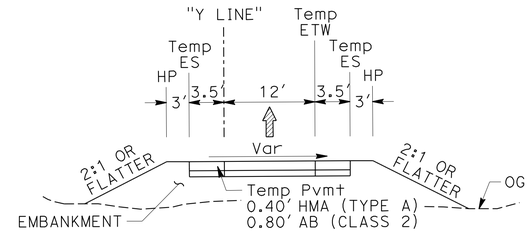
AECOM
TECHNICAL SERVICES, Inc.
2905 STENDER WAY, SUITE 82
SANTA CLARA, CA 95054



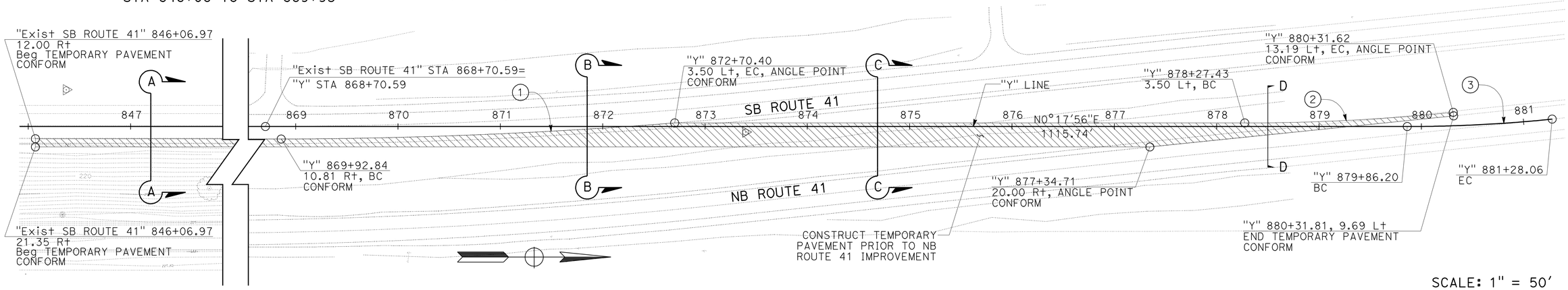
SECTION A-A
NO SCALE
STA 846+06 TO STA 869+93

CURVE DATA

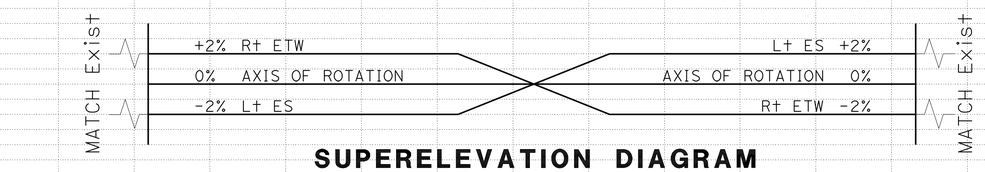
No.	R	Δ	T	L
1	5051.01′	3°09′11"	139.02′	277.96′
2	1996.50′	5°51′27"	102.14′	204.12′
3	1996.50′	5°51′27"	70.99′	141.86′



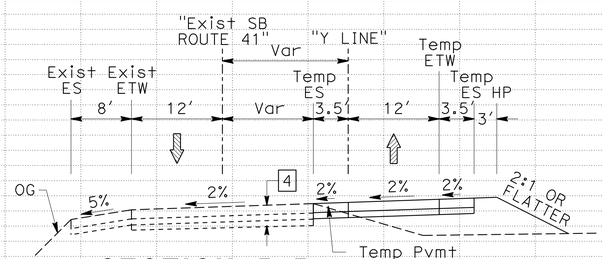
SECTION C-C 2
NO SCALE
STA 872+70 TO STA 877+79



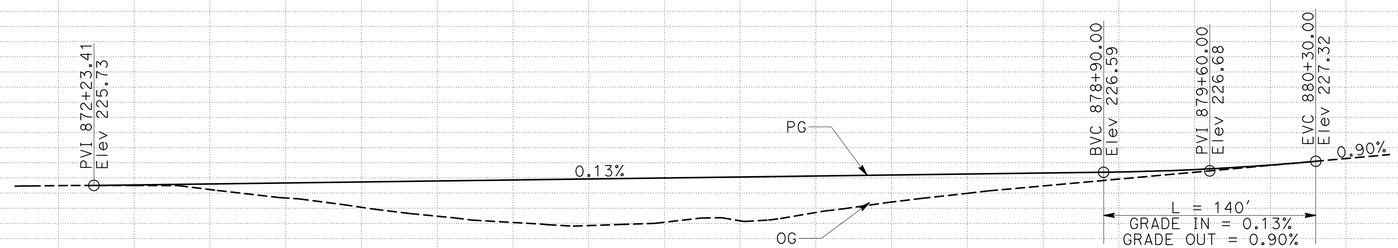
SCALE: 1" = 50′



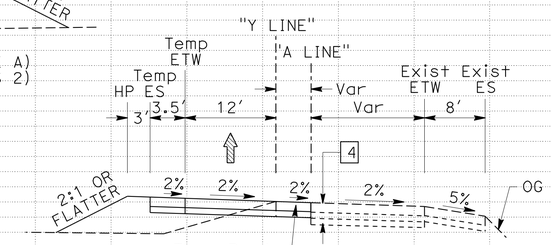
SUPERELEVATION DIAGRAM



SECTION B-B
NO SCALE
STA 869+93 TO STA 872+70



"Y" LINE PROFILE



SECTION D-D
NO SCALE
STA 877+79 TO STA 880+32

THIS PLAN ACCURATE FOR DETOUR CONSTRUCTION WORK ONLY

DETOUR PLAN
(STAGE 1)
SCALE - Horiz: 1" = 50′
Vert: 1" = 5′

DE-8

STATION	872+00	873+00	874+00	875+00	876+00	877+00	878+00	879+00	880+00	881+00	TOTAL
CY Exc											
CY Emb											

2 **REVISED PER ADDENDUM No. 2 DATED MARCH 16, 2012**

REVISED BY | DATE REVISED
MARK GONZALEZ | KEEN POONG
CALCULATED-DESIGNED BY | CHECKED BY
CONSULTANT FUNCTIONAL SUPERVISOR: WILLIAM NASCIMENTO
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

LAST REVISION 03-02-11 | DATE PLOTTED => 15-MAR-2012 | TIME PLOTTED => 10:09

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Kin	41	R42.1/R44.9	160	246

REGISTERED CIVIL ENGINEER 03-02-11 DATE

5-23-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER MARK GONZALEZ No. 73897 Exp. 6-30-11 CIVIL STATE OF CALIFORNIA

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AECOM
TECHNICAL SERVICES, Inc.
2905 STENDER WAY, SUITE 82
SANTA CLARA, CA 95054

2

NOTES:

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

* - QUANTITY INCLUDED IN SHEET Q-1, ROADWAY QUANTITIES

** - QUANTITY INCLUDED IN SHEET Q-2, EARTHWORK SUMMARY

ROADWAY QUANTITIES

PLAN SHEET No.	STATION	HOT MIX ASPHALT (TYPE A)	CLASS 2 AGGREGRATE BASE
		TON	CY
STAGE 1			
DE-1	X 723+96.93 TO 729+81.33	172.5	171
DE-2	Exist SB ROUTE 41 730+53.30 TO 736+69.75	352.3	348
DE-3	Exist SB ROUTE 41 747+94.63 TO 756+56.76	552.8	546
DE-4	Exist SB ROUTE 41 760+94.60 TO 765+59.72	864.1	854
DE-5	Exist SB ROUTE 41 773+35.67 TO 782+98.91	871.4	861
DE-6	Exist SB ROUTE 41 787+16.68 TO 802+10.84	1007.3	995
DE-7	Exist SB ROUTE 41 802+59.80 TO 804+79.49	166.6	165
DE-8	Exist SB ROUTE 41 802+59.80 TO 804+79.49	1113.7	1100
	TOTAL	5100.7*	5040*

EARTHWORK SUMMARY (TEMPORARY ROADWAY)

PLAN SHEET No.	STATION	ROADWAY EXCAVATION	(N) EMBANKMENT	(N) EXCESS MATERIALS	IMPORTED BORROW
		CY			
STAGE 1					
DE-1	X 723+97.00 TO 729+81.00	233	43	190	
DE-2	Exist SB ROUTE 41 730+53.00 TO 736+70.00	295	225	70	0
DE-3	Exist SB ROUTE 41 742+49.00 TO 756+57.00	513	365	148	0
DE-4	Exist SB ROUTE 41 757+22.00 TO 782+99.00	811	507	304	0
DE-5	Exist SB ROUTE 41 783+63.00 TO 802+11.00	647	650		3
DE-6	Exist SB ROUTE 41 802+59.00 TO 835+97.00	1020	539	481	0
DE-7	Exist SB ROUTE 41 836+35.00 TO 839+32.00	152	45	107	0
DE-8	Exist SB ROUTE 41 846+06.00 TO 869+93.00 Y 869+93.00 TO 880+32.00	913	1365		452
	SUBTOTAL	4584	3739	1300	455
	TOTAL	4584 **			0 **

EARTHWORK SUMMARY (TEMPORARY ROADWAY REMOVAL)

PLAN SHEET No.	STATION	ROADWAY EXCAVATION	(N) EMBANKMENT	(N) EXCESS MATERIALS	IMPORTED BORROW
		CY			
STAGE 1					
DE-1	X 723+97.00 TO 729+81.00	300	233	67	
DE-2	Exist SB ROUTE 41 730+53.00 TO 736+70.00	747	295	452	
DE-3	Exist SB ROUTE 41 742+49.00 TO 756+57.00	1184	513	671	
DE-4	Exist SB ROUTE 41 757+22.00 TO 782+99.00	1788	811	977	
DE-5	Exist SB ROUTE 41 783+63.00 TO 802+11.00	1942	647	1295	
DE-6	Exist SB ROUTE 41 802+59.00 TO 835+97.00	2032	1020	1012	
DE-7	Exist SB ROUTE 41 836+35.00 TO 839+32.00	293	152	141	
DE-8	Exist SB ROUTE 41 846+06.00 TO 869+93.00 Y 869+93.00 TO 880+32.00	3015	913	2102	
	SUBTOTAL	11,301	4584	6712	
	TOTAL	11,301**			

2 REVISED PER ADDENDUM No. 2 DATED MARCH 16, 2012

DETOUR QUANTITIES

NO SCALE

DEQ-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

CONSULTANT FUNCTIONAL SUPERVISOR: WILLIAM NASCIMENTO

CALCULATED-DESIGNED BY: MARK GONZALEZ
CHECKED BY: KEEN POONG

REVISED BY
DATE REVISED

LAST REVISION 03-02-11 | DATE PLOTTED => 15-MAR-2012 | TIME PLOTTED => 10:09

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
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REGISTERED CIVIL ENGINEER 03-02-11 DATE

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TECHNICAL SERVICES, Inc.
2905 STENDER WAY, SUITE 82
SANTA CLARA, CA 95054

EARTHWORK SUMMARY

LOCATION	STATION	OBLITERATE SURFACING	SHATTER CONCRETE	REMOVE CONCRETE	(N) EMBANKMENT	IMPORTED BORROW	ROADWAY EXCAVATION
		SQYD		CY			
CL	A 728+73.60 TO 737+50.00	4756	161		1305	192	1113
CL	HA 20+58.72 TO 23+22.51	1641			205	191	14
CL	A 737+50.00 TO 750+50.00	4092			6418	6065	352
CL	A 750+50.00 TO 763+50.00	4523			5781	5059	725
CL	GL 22+12.02 TO 22+74.00	453			141	139	2
CL	A 763+50.00 TO 776+50.00	4090			6412	5181	1231
CL	A 776+50.00 TO 789+50.00	4586			6702	5919	783
CL	LA 781+50.59 TO 779+18.45	861			470	468	2
CL	A 789+50.00 TO 802+80.00	4636			7491	6840	651
CL	AO 19+25.91 TO 19+88.01	455			172	172	0
CL	A 802+80.00 TO 815+50.00	3974			6793	6471	322
CL	A 815+50.00 TO 828+50.00	4100			5243	4728	516
CL	A 828+50.00 TO 841+50.00	6829			4527	3577	951
CL	GR 20+59.39 TO 23+25.00	1340			350	337	13
R†	A 835+56.25 TO GR 22+04.54			13			
CL	A 841+50.00 TO 854+50.00	4035			5404	4254	1150
CL	A 854+50.00 TO 864+49.98	3133			3810	2966	844
CL	A 864+49.98 TO 875+42.11		4024		4600	4358	242
CL	E 832+54.07 TO 835+97.66				507	286	221
CL	F 836+36.65 TO 841+87.02				436	196	240
	SUBTOTAL	53,504	4183	13	66,767	57,399	9372
	TOTAL FROM DEQ-1				~~6666~~ 8323	~~2407~~ 0	~~4259~~ 15,885
	TOTAL	53,504	4183	13	~~73,433~~ 75,090	~~59,806~~ 57,399	~~13,631~~ 25,257

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

2 2 2

RESET MAILBOX

PLAN SHEET No.	LOCATION	STATION	EA
C-8	R†	A 818+24.06	1

MINOR CONCRETE (CURB, SIDEWALK AND CURB RAMP)

PLAN SHEET No.	LOCATION	STATION	SIDEWALK	CURB A1-6	CURB RAMP
			CY		
L-1	R†	A 729+70.85 TO 729+83.17	3.4	1.1	
	R†	A 729+82+24 TO 729+93.80			0.7
L-9	R†	A 835+56.07 TO 835+81.87	4.0	1.4	
	L†	A 835+63.77 TO 835+91.45			
	L†	A 835+67.99 TO 835+79.71			0.6
	R†	A 835+70.44 TO 835+80.74			1.0
	L†	A 835+83.76 TO 835+90.03			0.6
	R†	A 836+29.45 TO 836+43.67	3.1	1.0	
	R†	A 836+30.93 TO 836+36.46			0.7
	L†	A 836+44.72 TO 836+58.96	1.7	0.6	1.0
	L†	A 836+46.29 TO 836+55.57			0.6
		SUBTOTAL	12.2	4.1	5.2
		TOTAL	21.5		

REMOVE TREE (N)

PLAN SHEET No.	LOCATION	STATION	EA
C-10	R†	A 778+28.85	1
C-11	L†	A 799+93.63 TO 801+04.37	9
C-12	L†	A 807+92.46	1
	R†	A 813+22.13	1
C-13	R†	A 817+85.00 TO 820+34.33	14
C-14	L†	A 840+93.31	1
C-15	R†	A 851+88.90	1
	R†	A 852+61.91	1
	R†	A 852+90.27	1
C-16	R†	A 854+64.27 TO 854+70.90	2
	R†	A 856+19.90	1
	R†	A 859+07.16	1
	R†	A 859+31.40	1
	L†	A 859+52.48	1
	R†	A 859+93.75	1
	R†	A 861+10.78	1
	R†	A 862+00.15	1

METAL BEAM GUARD RAILING AND CONCRETE BARRIER

PLAN SHEET No.	LOCATION	STATION	ALTERNATIVE CRASH CUSHION SYSTEM	ALTERNATIVE FLARED TERMINAL SYSTEM	END ANCHOR ASSEMBLY (TYPE SFT)	CONCRETE BARRIER (TYPE 60)	METAL BEAM GUARD RAILING (STEEL POST)	REMOVE METAL BEAM GUARD RAILING
			EA			LF		
L-1	R†	A 732+94.37 TO 733+41.95	1			47.6		
L-4	L†	A 771+87.44 TO 774+12.44		1	1		225	
C-15	R†	A 851+50.00 TO 854+50.00						301
C-16	R†	A 854+50.00 TO 862+19.98						771
		TOTAL	1	1	1	48	225	1072

2 REVISED PER ADDENDUM No. 2 DATED MARCH 16, 2012

SUMMARY OF QUANTITIES

NO SCALE

Q-2

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

CONSULTANT FUNCTIONAL SUPERVISOR: WILLIAM NASCIMENTO
CALCULATED-DESIGNED BY: KEEN POONG
CHECKED BY: MARK GONZALEZ
REVISED BY
DATE REVISED

LAST REVISION 03-02-11
DATE PLOTTED => 15-MAR-2012
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