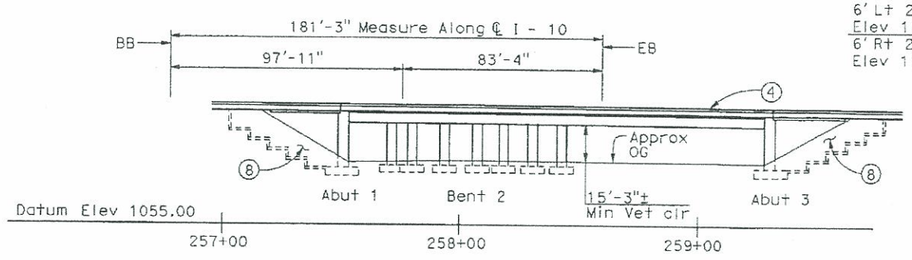
PREPARED FOR THE STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

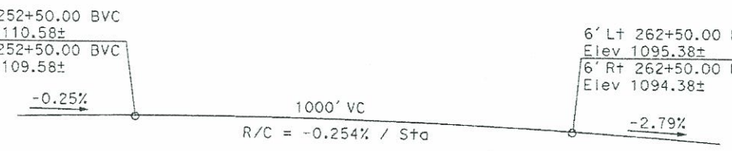
DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT
08	SBd	10	4.9

CITY OF ONTARIO
303 East B Street
Ontario, CA 91764

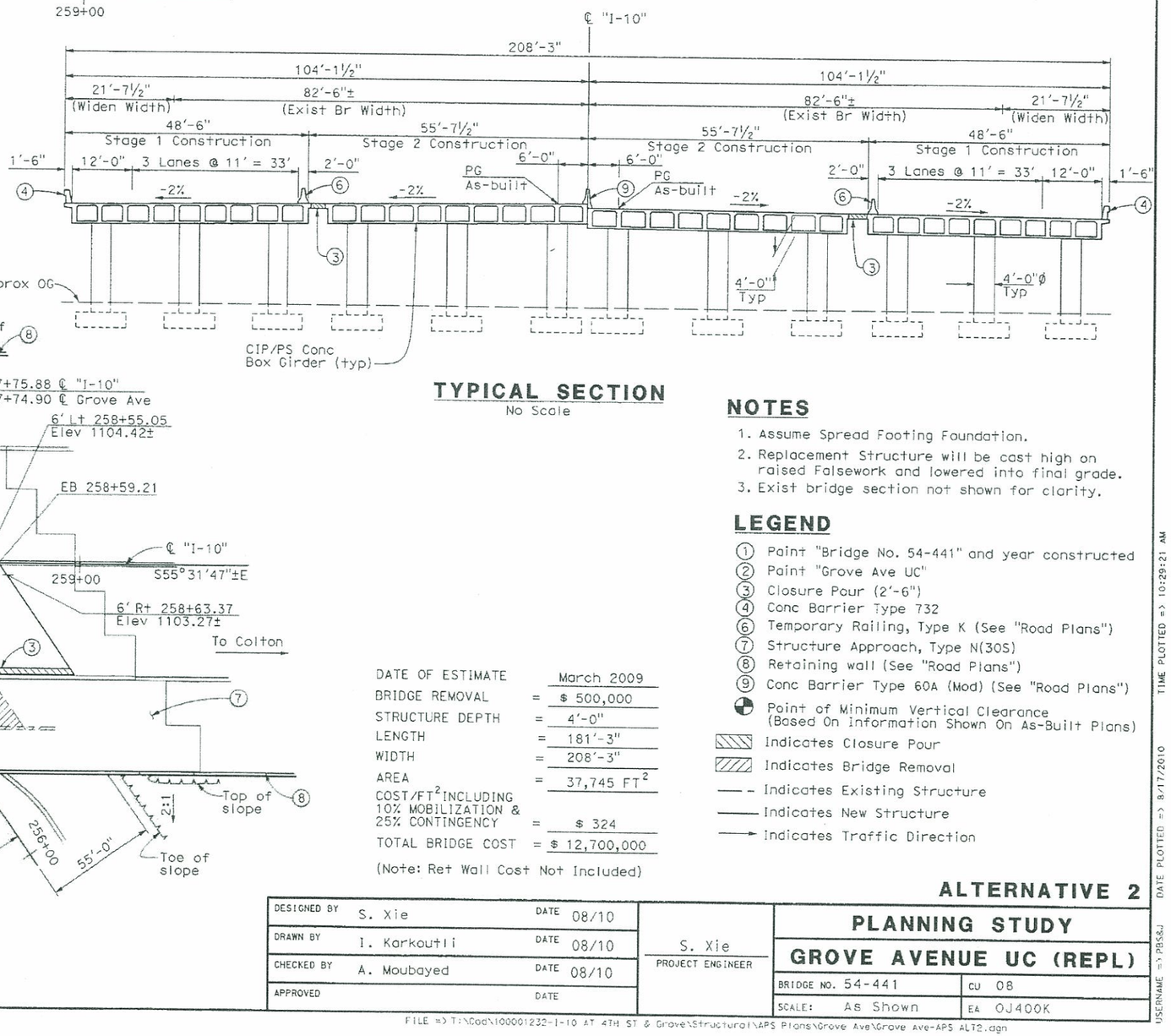
PBS&J
625 The City Drive S, Suite 200
Orange, CA 92868



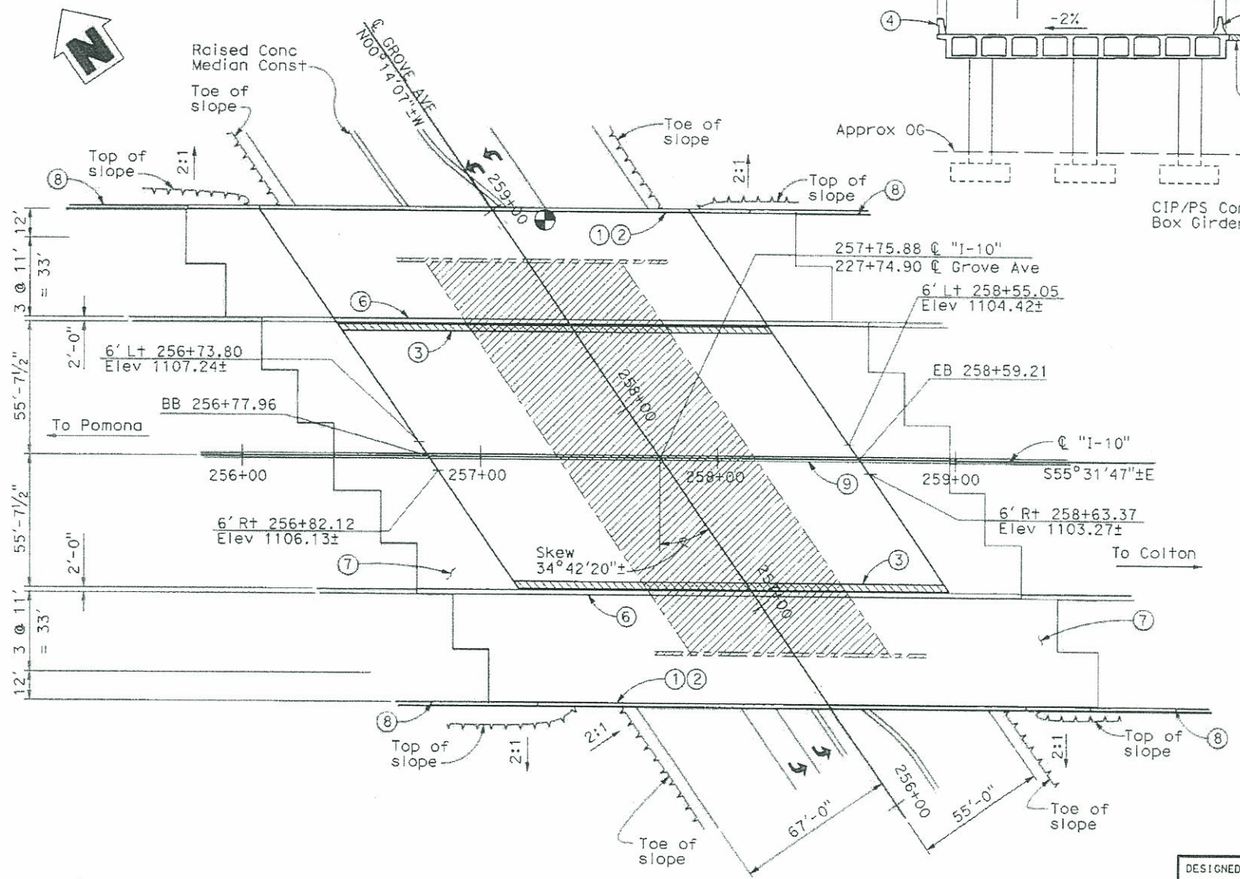
ELEVATION
1" = 30'



PROFILE GRADE (AS-BUILT)
No Scale



TYPICAL SECTION
No Scale



PLAN
1" = 30'

NOTES
1. Assume Spread Footing Foundation.
2. Replacement Structure will be cast high on raised Falsework and lowered into final grade.
3. Exist bridge section not shown for clarity.

LEGEND
- (1) Paint "Bridge No. 54-441" and year constructed
- (2) Paint "Grove Ave UC"
- (3) Closure Pour (2'-6")
- (4) Conc Barrier Type 732
- (6) Temporary Railing, Type K (See "Road Plans")
- (7) Structure Approach, Type N(30S)
- (8) Retaining wall (See "Road Plans")
- (9) Conc Barrier Type 60A (Mod) (See "Road Plans")
- Point of Minimum Vertical Clearance (Based On Information Shown On As-Built Plans)
- Indicates Closure Pour
- Indicates Bridge Removal
- Indicates Existing Structure
- Indicates New Structure
- Indicates Traffic Direction

DATE OF ESTIMATE		March 2009
BRIDGE REMOVAL	=	$ 500,000
STRUCTURE DEPTH	=	4'-0"
LENGTH	=	181'-3"
WIDTH	=	208'-3"
AREA	=	37,745 FT²
COST/FT² INCLUDING 10% MOBILIZATION & 25% CONTINGENCY	=	$ 324
TOTAL BRIDGE COST	=	$ 12,700,000

(Note: Ret Wall Cost Not Included)

X Lily Sun 08/25/10
DESIGN OVERSIGHT
X
SIGN OFF DATE

ADVANCE PLANNING STUDY SHEET (ENGLISH) (REV. 2/25/05)

ALTERNATIVE 2

DESIGNED BY	S. Xie	DATE	08/10
DRAWN BY	I. Karkoutli	DATE	08/10
CHECKED BY	A. Moubayed	DATE	08/10
APPROVED		DATE	

S. Xie
PROJECT ENGINEER

PLANNING STUDY
GROVE AVENUE UC (REPL)

BRIDGE NO. 54-441	CU 08
SCALE: As Shown	EA 0J400K

FILE => T:\Cad\100001232-I-10 AT 4TH ST & Grove\Structural\APS Plans\Grove Ave\Grove Ave-APS ALT2.dgn

USERNAME => PBS&J DATE PLOTTED => 8/17/2010 TIME PLOTTED => 10:29:21 AM