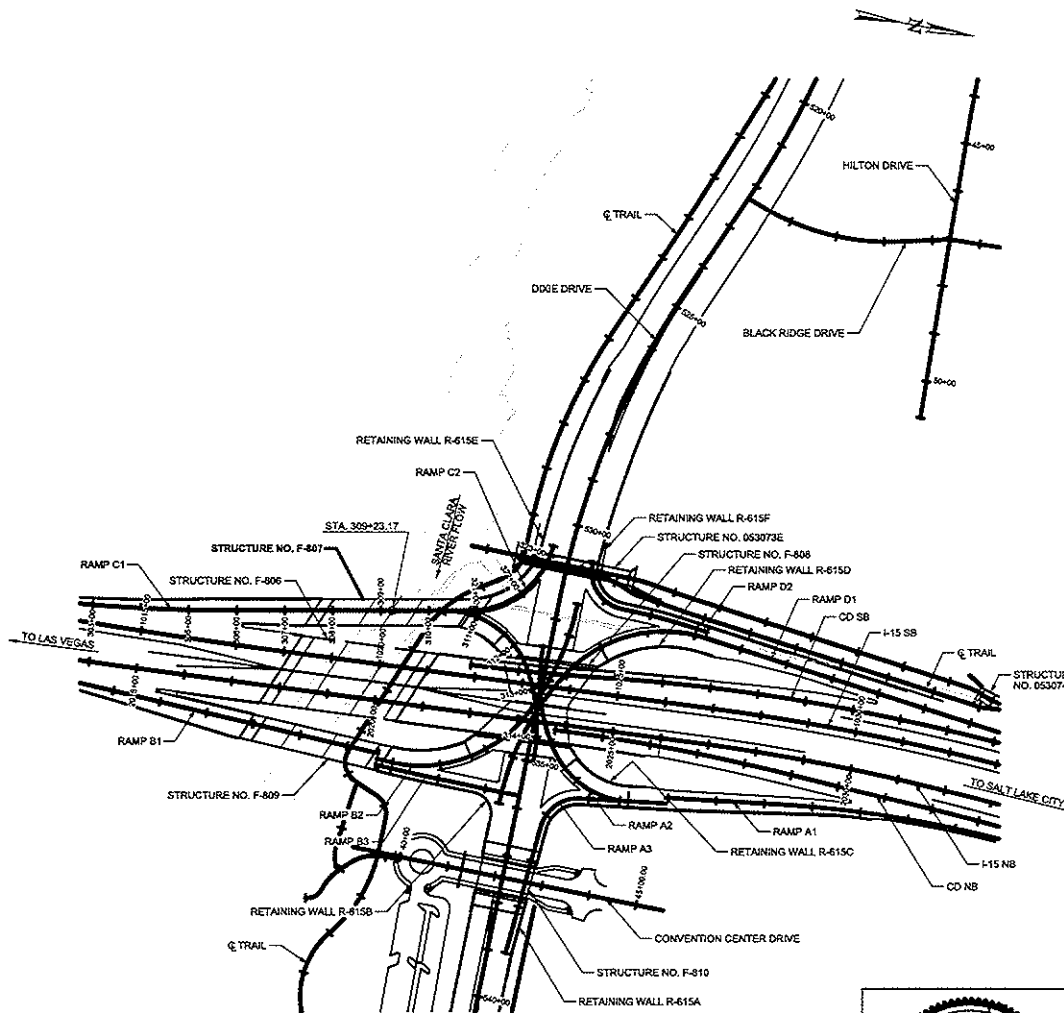




LOCATION PLAN

BRIDGE LOAD RATING		
HL-93		
RATING	LOCATION	
INV.	1.18 S	SPAN 1 15.30'
OPER.	1.53 S	SPAN 1 16.30'

F DENOTES RATING CONTROLLED BY FLEXURE
S DENOTES RATING CONTROLLED BY SHEAR
C DENOTES RATING CONTROLLED BY CONCRETE TENSION

INDEX OF SHEETS		
1. SITUATION & LAYOUT 1	19. BENT PLAN & ELEVATION	37. DECK SECTIONS 4
2. SITUATION & LAYOUT 2	20. BENT DETAILS 1	38. INTERMEDIATE DIAPHRAGM DETAILS
3. SITUATION & LAYOUT 3	21. BENT DETAILS 2	39. FRAMING PLAN & SCREED ELEVATIONS 1
4. SOIL DATA 1	22. BENT DETAILS 3	40. FRAMING PLAN & SCREED ELEVATIONS 2
5. SOIL DATA 2	23. PRESTRESSED GIRDER DETAILS 1	41. FRAMING PLAN & SCREED ELEVATIONS 3
6. SOIL DATA 3	24. PRESTRESSED GIRDER DETAILS 2	42. FRAMING PLAN & SCREED ELEVATIONS 4
7. SOIL DATA 4	25. PRESTRESSED GIRDER DETAILS 3	43. APPROACH SLAB DRAIN DETAILS
8. SOIL DATA 5	26. PRESTRESSED GIRDER DETAILS 4	44. PARAPET DETAILS
9. SOIL DATA 6	27. PRESTRESSED GIRDER DETAILS 5	45. PARAPET END DETAILS
10. SOIL DATA 7	28. PRESTRESSED GIRDER DETAILS 6	46. AESTHETIC DETAILS
11. SOIL DATA 8	29. PRESTRESSED GIRDER DETAILS 7	47. REINFORCING STEEL SCHEDULE 1
12. FOUNDATION PLAN	30. PRESTRESSED GIRDER DETAILS 8	48. REINFORCING STEEL SCHEDULE 2
13. DRILLED SHAFT DETAILS	31. GIRDER BEARING DETAILS	49. REINFORCING STEEL SCHEDULE 3
14. ABUTMENT PLANS & ELEVATIONS	32. DECK PLAN 1	50. REINFORCING STEEL SCHEDULE 4
15. ABUTMENT DETAILS 1	33. DECK PLAN 2	51. REINFORCING STEEL SCHEDULE 5
16. ABUTMENT DETAILS 2	34. DECK SECTIONS 1	52. REINFORCING STEEL SCHEDULE 6
17. ABUTMENT DETAILS 3	35. DECK SECTIONS 2	53. REINFORCING STEEL SCHEDULE 7
18. ABUTMENT DETAILS 4	36. DECK SECTIONS 3	

GENERAL NOTES

- USE COATED DEFORMED CARBON-STEEL BARS CONFORMING TO AASHTO M 284 OR M 111 AND M 31 GRADE 60 FOR ALL REINFORCING STEEL AND ASTM A706 FOR COLUMN AND DRILLED SHAFT STEEL. USE UNCOATED DEFORMED CARBON-STEEL BARS FOR DRILLED SHAFTS.
- USE STRUCTURAL STEEL CONFORMING TO AASHTO M 270 GRADE 36 EXCEPT WHERE NOTED OTHERWISE.
- CHAMFER ALL EXPOSED CONCRETE CORNERS $\frac{3}{8}$ " EXCEPT WHERE NOTED OTHERWISE.
- PROVIDE 2" CONCRETE COVER TO REINFORCING STEEL EXCEPT WHERE NOTED OTHERWISE.
- USE CLASS AA (A) CAST-IN-PLACE CONCRETE EXCEPT WHERE NOTED OTHERWISE.
- USE TYPE V CEMENT (HIGH SULFATE RESISTANCE).
- UTILITY LOCATIONS TO BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. PROTECT EXISTING UTILITIES IN PLACE UNLESS NOTED OTHERWISE.
- COAT OR GALVANIZE ALL STEEL PLACED IN STRUCTURAL CONCRETE UNLESS NOTED OTHERWISE.
- DO NOT SCALE DRAWINGS.
- HORIZONTAL DIMENSIONS ARE PLAN. VERTICAL DIMENSIONS ARE PLUMB.

DESIGN DATA

HL-93 IN ACCORDANCE WITH CURRENT AASHTO LRFD, BRIDGE DESIGN SPECIFICATIONS FOURTH EDITION 2007, WITH 2008 AND 2009 INTERIMS.

SEISMIC DESIGN IN ACCORDANCE WITH AASHTO GUIDE SPECIFICATIONS FOR LRFD SEISMIC BRIDGE DESIGN, FIRST EDITION.

CAST-IN-PLACE CONCRETE: $f_c = 4000$ psi; f_y (REINF.) = 60,000 psi; $n = 8$

PRESTRESSED CONCRETE: $f_c = 9500$ psi; $f_o = 7000$ psi;
0.6" DIA. GRADE 270 LOW RELAXATION STRAND;
 f_y (NONPRESTRESSED) = 60,000 psi; $n = 8$

STRUCTURAL STEEL: $f_y = 36,000$ psi (GRATES, FRAMES AND INTERMEDIATE DIAPHRAGMS)

WEARING SURFACE: $\frac{1}{2}$ " CONCRETE, 40 psi (FUTURE)

PRESTRESSED CONCRETE GIRDER DESIGN: 6% HAUNCH NOT INCLUDED IN GIRDER CAPACITY

DESIGN SPEED: 40 mph 1-15 ON RAMP

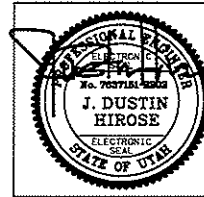
SEISMIC: 7% IN 75 YR. DESIGN EVENT (REPAIRABLE); $PGA = 0.13$ g, $S_a = 0.31$ g, $S_v = 0.10$ g
3% IN 75 YR. DESIGN EVENT (LIFE SAFETY); $PGA = 0.21$ g, $S_a = 0.50$ g, $S_v = 0.16$ g

TRAFFIC DATA: 2035 ADT = 19,000

PARAPET TEST LEVEL: TL-4

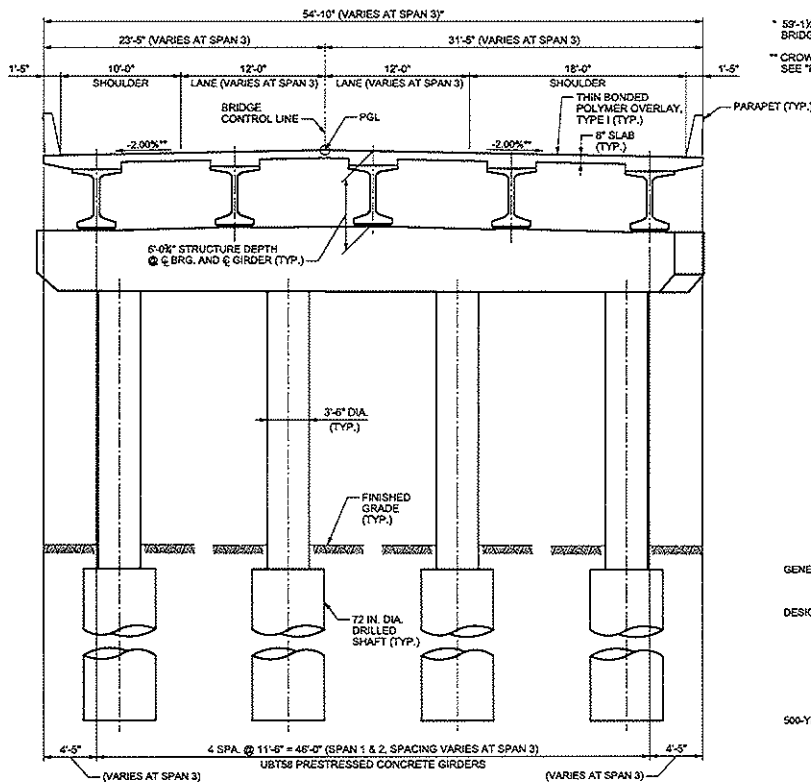
QUANTITIES

ITEM	ESTIMATED	UNIT	AS CONST.
GRANULAR BACKFILL BORROW (EST. LUMP QTY: 165 CU YD)	1	LUMP	
DRILLED SHAFTS, 36 INCH	750	FT	
DRILLED SHAFTS, 72 INCH	460	FT	
REINFORCING STEEL - COATED (EST. LUMP QTY: 348,882 LB)	1	LUMP	
STRUCTURAL CONCRETE (EST. LUMP QTY: 1,253 CU YD)	1	LUMP	
AESTHETIC TREATMENTS	1	LUMP	
THIN BONDED POLYMER OVERLAY, TYPE I (EST. LUMP QTY: 18,516 SQ FT)	1	LUMP	
PRESTRESSED CONCRETE MEMBERS (85 FT 10 1/2 INCH UBT58)	5	EACH	
PRESTRESSED CONCRETE MEMBERS (98 FT 3 INCH UBT58)	5	EACH	
PRESTRESSED CONCRETE MEMBERS (114 FT 11 INCH AVG. UBT58)	5	EACH	
STRUCTURAL STEEL (EST. LUMP QTY: 24,540 LB)	1	LUMP	
EXPANSION JOINT (EST. LUMP QTY: 148 FT)	1	LUMP	
ELECTRICAL WORK BRIDGES	1	LUMP	



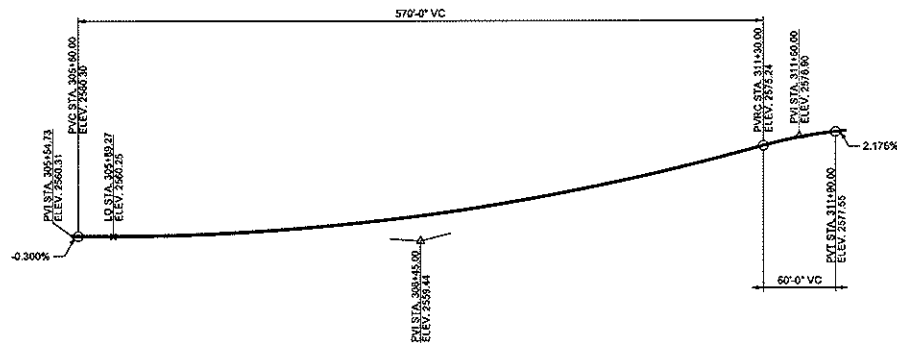
10/25/2010

UTAH DEPARTMENT OF TRANSPORTATION		PROJECT NO. S-175-1(91)F
STRUCTURES DIVISION		PROJECT NUMBER
I-15; DIXIE DRIVE INTERCHANGE		COUNTY
I-15 SB RAMP C1 OVER SANTA CLARA RIVER		WASHINGTON
SITUATION & LAYOUT 1		F-807
SHEET NO. 1		DRS. NO.
DATE		10/25/2010
BY		10/25/2010
CHECKED BY		10/25/2010
DESIGNED BY		10/25/2010
DRAWN BY		10/25/2010
SCALE		1" = 40'



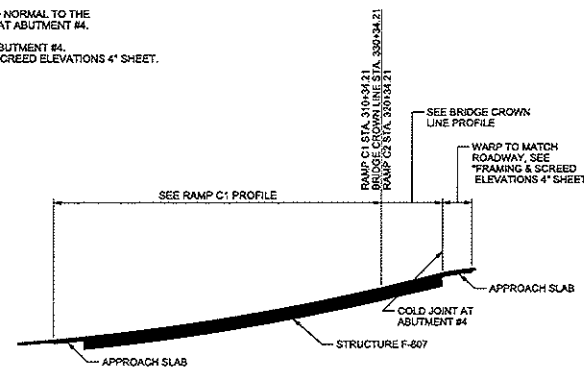
SECTION THROUGH STRUCTURE

(LOOKING AHEAD STATION: DIMENSIONS PERPENDICULAR TO BRIDGE CONTROL LINE)



RAMP C1 PROFILE

* 59'-1 1/2" MAX. MEASURED NORMAL TO THE BRIDGE CONTROL LINE AT ABUTMENT #4.
** CROWN VARIES NEAR ABUTMENT #4. SEE "FRAMING PLAN & SCREED ELEVATIONS 4" SHEET.



BRIDGE CROWN LINE PROFILE

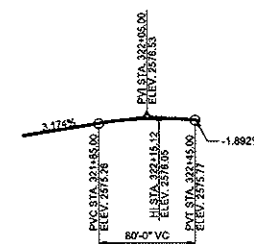
HYDRAULIC DATA

GENERAL INFORMATION: DRAINAGE AREA = 540 sq mi
FLOWLINE ELEVATION AT APPROACH SECTION = 2537.78 ft
FLOWLINE ELEVATION AT BRIDGE SECTION = 2537.69 ft

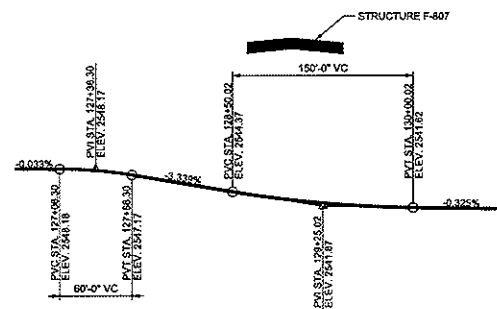
DESIGN INFORMATION (Q₅₀): DESIGN FREQUENCY = 100 yr
DESIGN DISCHARGE = 13,000 cfs
UNCONSTRICTED WISE AT APPROACH SECTION = 2548.70 ft
CONSTRICTED WISE AT APPROACH SECTION = 2550.33 ft
VELOCITY THROUGH BRIDGE SECTION = 6.05 ft/s
DEPTH OF CONTRACTION SCOUR = 1.44 ft
TOTAL SCOUR DEPTH AT LEFT ABUTMENT = 3.3 ft
TOTAL SCOUR DEPTH AT RIGHT ABUTMENT = 3.3 ft
TOTAL SCOUR DEPTH AT PIERS = 21.1 ft

500-YEAR FLOOD EVENT (Q₅₀₀): 500-YEAR DISCHARGE = 24,050 cfs
UNCONSTRICTED WISE AT APPROACH SECTION = 2553.33 ft
CONSTRICTED WISE AT APPROACH SECTION = 2553.95 ft
VELOCITY THROUGH BRIDGE SECTION = 7.06 ft/s
DEPTH OF CONTRACTION SCOUR = 2.74 ft
TOTAL SCOUR DEPTH AT LEFT ABUTMENT = 4.1 ft
TOTAL SCOUR DEPTH AT RIGHT ABUTMENT = 4.1 ft
TOTAL SCOUR DEPTH AT PIERS = 20.9 ft

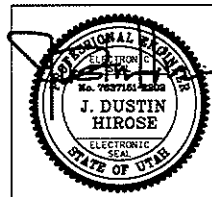
BRIDGE CROWN LINE PROFILE



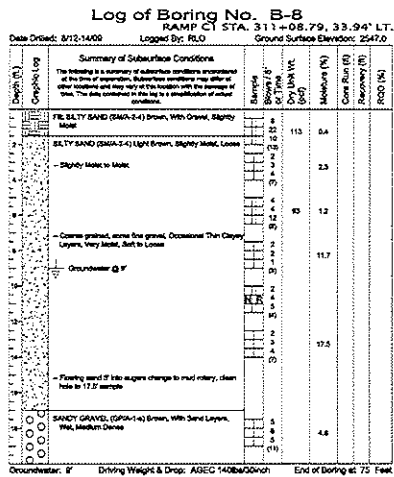
RAMP C2 PROFILE

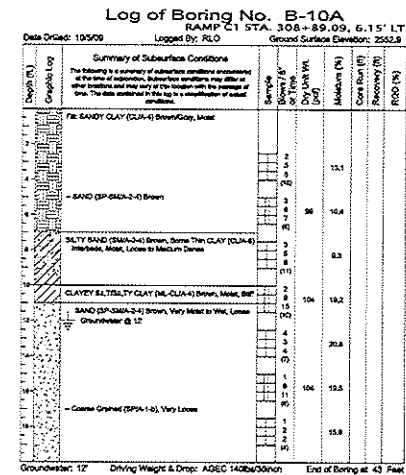
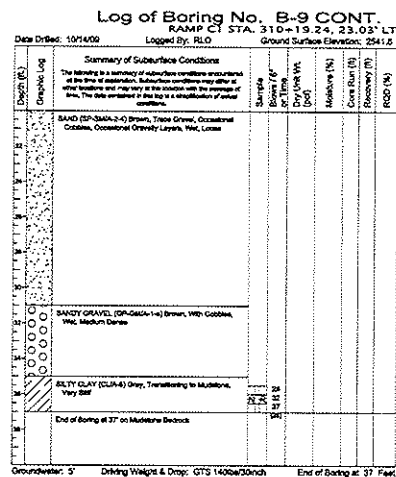
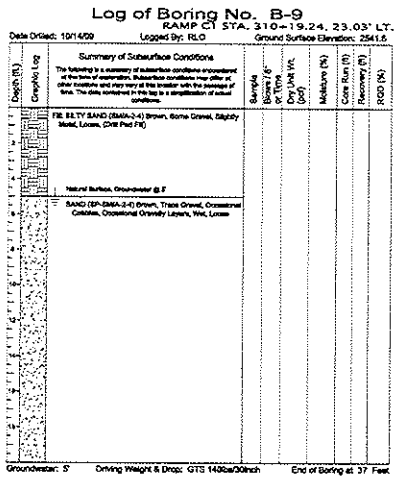


DIXIE TRAIL PROFILE



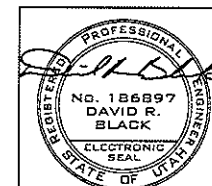
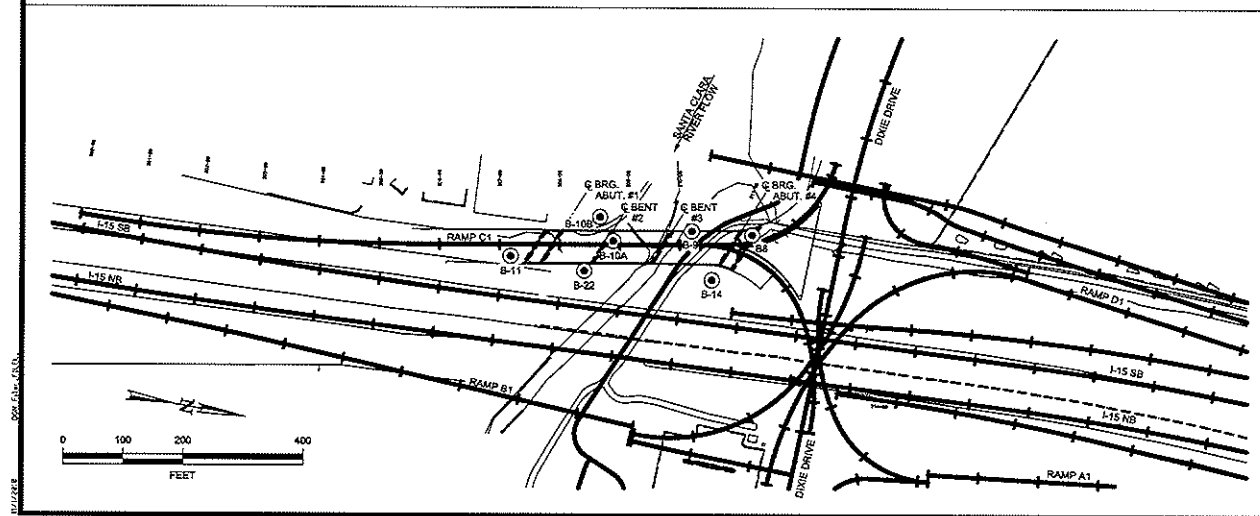
UTAH DEPARTMENT OF TRANSPORTATION STRUCTURES DIVISION		PROJECT NUMBER: S-115-19(1)5
I-15; DIXIE DRIVE INTERCHANGE I-15 SB RAMP C1 OVER SANTA CLARA RIVER SITUATION & LAYOUT 3		PH: 8530
WASHINGTON COUNTY		DATE: 10/25/2010
F-807		DRG. NO.
Sht. 3 of 53		





NOTES

- SEE "SOIL DATA B" SHEET FOR KEY TO SYMBOLS AND TERMS.



UTAH DEPARTMENT OF TRANSPORTATION STRUCTURES DIVISION		PROJECT NUMBER S-115-1(91)5	DATE 07/10	BY RLO	CHECKED RLO
I-15; DIXIE DRIVE INTERCHANGE I-15 SB RAMP C1 OVER SANTA CLARA RIVER SOIL DATA 2		PROJECT NUMBER S-115-1(91)5	DATE 07/10	BY RLO	CHECKED RLO
WASHINGTON COUNTY F-807 DRG. NO.		PROJECT NUMBER S-115-1(91)5	DATE 07/10	BY RLO	CHECKED RLO
SHEET 5 OF 53		PROJECT NUMBER S-115-1(91)5	DATE 07/10	BY RLO	CHECKED RLO

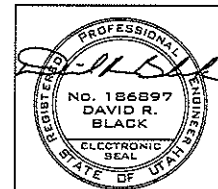
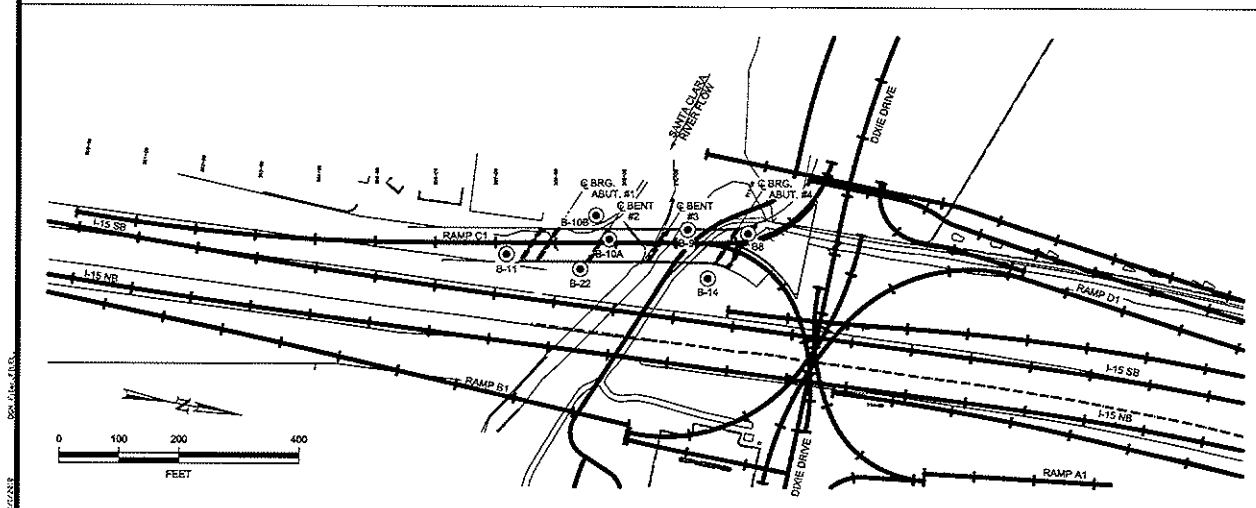
Data Date: 10/5/00		RAMP C1 STA. 308+89.09, 6.15' LT		Ground Surface Elevation: 2052.8	
Logger: RY, RLO					
Summary of Subsurface Conditions					
The following is a summary of subsurface conditions encountered at the borehole location. Subsurface conditions may differ at other locations and may vary at this location with the passage of time. The data contained in this log is a simplification of actual conditions.					
Depth (ft)	Geologic Log	Sample #	Blow # (6" SPT)	Unit Weight (pcf)	Moisture (%)
Depth (ft)				Moisture (%)	Compaction (%)
0					
1					
2					
3					
4					
5					
6					
7					
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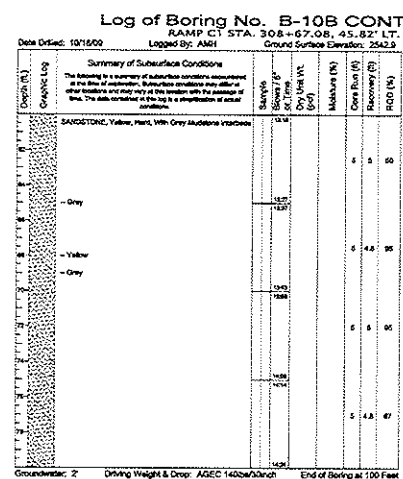
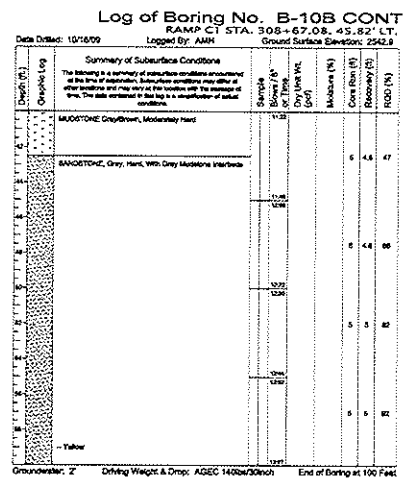
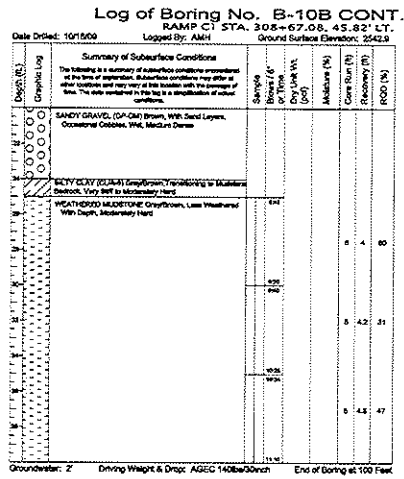
Date Drilled: 10/5/96		Logged By: RLO		RAMP L1 STA. 308+89.09, 6'1" L1		Ground Surface Elevation: 292.9	
Summary of Subsurface Conditions							
The following is a summary of subsurface conditions encountered at the time of exploration. Subsurface conditions may differ at other locations and may vary at the location with the passage of time. This data contained in this log is a representation of actual conditions.							
Depth (ft.)	Graphical Log	Sample	Borehole ID at Time of Sampling	Test Unit (PT)	Moisture (%)	Comp. Ratio (%)	Recovery (%)
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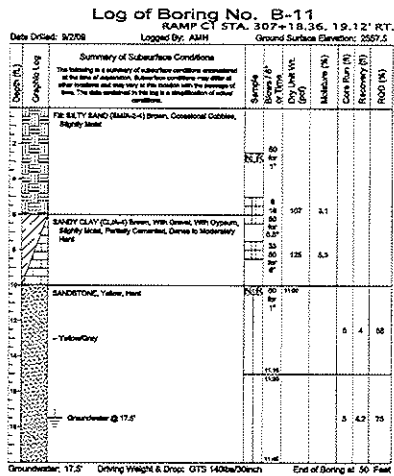
Date Drilled: 10/15/09		CAMP C-1 STA. 358+67.58, 45+82.17	
Drillhole Log		Logger: BR, AMJ	
Depth (ft.)	Remarks	Sample	Ground Surface Elevation: 2542.9
	The following is a summary of subsurface conditions encountered at the time of exploration. Subsurface conditions may differ at other locations and may vary at this location with the progress of time. The data contained in this log is a simplification of actual conditions.	Grout (ft) or Time	
		Dry Unit (ft)	
		Medium (ft)	
		Core Run (ft)	
		Recovery (%)	
		BDQ (%)	
1	15.75 SAND (SM-A-2-3) Brown, Very Moist, Loose		
2	On average @ 7'		
3	SAND (SM-A-2-3-4) Brown, Well Interbedded Thin		
4	SILT (M-2) and CLAY (CL) Layers and Some		
5	On average Gravity Layer, Wet, Loose		
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Groundwater: 2' Driving Weight & Drop: AGEC 140lbs/20inch End of Boring at 100 Feet

1. SEE "SOIL DATA 8" SHEET FOR KEY TO SYMBOLS AND TERMS.

[illegible]





Log of Boring No. B-14
RAMP C1 STA. 310+62.39, 57.42' RT.
Logged By: RLO Ground Surface Elevation: 2553.0

Date Drilled: 8/2/06

Depth (ft)	Graphic Log	Summary of Subsurface Conditions	Sample No.	Soil Type	Moisture (%)	Unit Weight (pcf)	Penetration (blows/ft)	Core Run (ft)	Recovery (%)	ROD (ft)
0		Summary of Subsurface Conditions								
1		The following is a summary of subsurface conditions encountered at the time of exploration. Subsurface conditions may differ at other locations and may vary at the location with the passage of time. The data contained in this log is a simplification of actual conditions.								
2		FINE CLAYEY SAND (SP-2) Light Brown, W/ Small Angular Rock Pieces, Slightly Moist	1	SP-2	120	4.5				
3		With Gravel, Occasional Cobble	2	SP-2	110	8.3				
4		Gravelly	3	SP-2	115	5.8				
5		SANDY CLAY (CL-4) Green/Grey, Some Small Angular Rock Pieces, Slightly Moist	4	CL-4	113	6.8				
6		GRAVELLY SAND (SP-2) Brown, Occasional Cobble, Moist	5	SP-2	110	7.7				
7		SILT CLAY (CL-4) Green, Slightly Moist, Fine	6	CL-4	110	7.7				
8		SILT SAND (SM-2) Brown, Moist, Medium Dense	7	SM-2	110	7.7				
9		With Gravel	8	SM-2	110	7.7				
10		SILT CLAY (CL-4) Green/Grey, W/ Small Firm	9	CL-4	110	7.7				
11		SANDY GRAVEL (GP-2) Brown, W/ Medium Dense	10	GP-2	110	7.7				
12		SANDY SILT (SM-2) Green/Grey, W/ Clay W/ Soft	11	SM-2	110	7.7				
13			12	SM-2	110	7.7				
14			13	SM-2	110	7.7				
15			14	SM-2	110	7.7				
16			15	SM-2	110	7.7				
17			16	SM-2	110	7.7				
18			17	SM-2	110	7.7				
19			18	SM-2	110	7.7				
20			19	SM-2	110	7.7				
21			20	SM-2	110	7.7				
22			21	SM-2	110	7.7				
23			22	SM-2	110	7.7				
24			23	SM-2	110	7.7				
25			24	SM-2	110	7.7				
26			25	SM-2	110	7.7				
27			26	SM-2	110	7.7				
28			27	SM-2	110	7.7				
29			28	SM-2	110	7.7				
30			29	SM-2	110	7.7				
31			30	SM-2	110	7.7				
32			31	SM-2	110	7.7				
33			32	SM-2	110	7.7				
34			33	SM-2	110	7.7				
35			34	SM-2	110	7.7				
36			35	SM-2	110	7.7				
37			36	SM-2	110	7.7				
38			37	SM-2	110	7.7				
39			38	SM-2	110	7.7				
40			39	SM-2	110	7.7				
41			40	SM-2	110	7.7				
42			41	SM-2	110	7.7				
43			42	SM-2	110	7.7				
44			43	SM-2	110	7.7				
45			44	SM-2	110	7.7				
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58			57	SM-2	110	7.7				
59			58	SM-2	110	7.7				
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61			60	SM-2	110	7.7				
62			61	SM-2	110	7.7				
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64			63	SM-2	110	7.7				
65			64	SM-2	110	7.7				
66			65	SM-2	110	7.7				
67			66	SM-2	110	7.7				
68			67	SM-2	110	7.7				
69			68	SM-2	110	7.7				
70			69	SM-2	110	7.7				
71			70	SM-2	110	7.7				
72			71	SM-2	110	7.7				
73			72	SM-2	110	7.7				
74			73	SM-2	110	7.7				
75			74	SM-2	110	7.7				
76			75	SM-2	110	7.7				
77			76	SM-2	110	7.7				
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83			82	SM-2	110	7.7				
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145			144	SM-2	110	7.7				
146			145	SM-2	110	7.7				
147			146	SM-2	110	7.7				
148			147	SM-2</						

Log of Boring No. B-22
RAMP CT STA. 308+40.99, 43.42' RT.
Logged By: RLG Ground Surface Elevation: 2540.7

Date Drilled: 10/6-7/09

Depth (ft)	Graphic Log	Summary of Subsurface Conditions	Sample	Moisture (%)	Cone Run (lb)	Recovery (%)	ROD (ft)
0		SAND (SP-DASH-2) Brown, Slightly Moist, Very Loose - Moist to Very Moist @ 1.5'		50	0.5		
10				16.0			
18.4				18.4			
24.8				24.8			
19.5				19.5			
20.0				20.0			
12.1				12.1			

Groundwater: 1.5' Driving Weight & Drop: AGECE 1400lb/30inch End of Boring at: 50 Feet

Log of Boring No. B-22 CONT.
RAMP CT STA. 308+40.99, 43.42' RT.
Logged By: RLG Ground Surface Elevation: 2540.7

Date Drilled: 10/6-7/09

Depth (ft)	Graphic Log	Summary of Subsurface Conditions	Sample	Moisture (%)	Cone Run (lb)	Recovery (%)	ROD (ft)
12.1		SANDY GRAVEL (SP-DASH-2) Brown, Wet, Medium Dense		12.1			
15.0		CLAYEY SILT (ML-AH-4) Brown/Gray, Slightly Moist, Translucency to Mudstone, Very Soft to Moderately Hard		15.0			
16.0		WEATHERED MUDSTONE, Gray, Moderately Hard		16.0			
18.4		WEATHERED SANDSTONE, Brown, Less Weathered With Depth, Moderately Hard to Hard		18.4			
24.8		- Brown Muddy Layer, Fractured		24.8			
19.5		- Gray/Brown Layer		19.5			
20.0		- Brown Muddy Layer, Fractured		20.0			
12.1		SANDSTONE, Gray, Vertical Jointing, Hard		12.1			
15.0				15.0			
16.0		MUDSTONE, Gray, Moderately Hard		16.0			
18.4		SANDSTONE, Gray, Angular Bedding, Some Joints and Fractures, Hard		18.4			
24.8				24.8			
19.5				19.5			
20.0				20.0			
12.1				12.1			

Groundwater: 1.5' Driving Weight & Drop: AGECE 1400lb/30inch End of Boring at: 50 Feet

Log of Boring No. B-22 CONT.
RAMP CT STA. 308+40.99, 43.42' RT.
Logged By: RLG Ground Surface Elevation: 2540.7

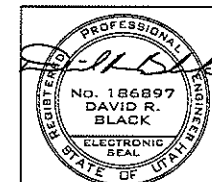
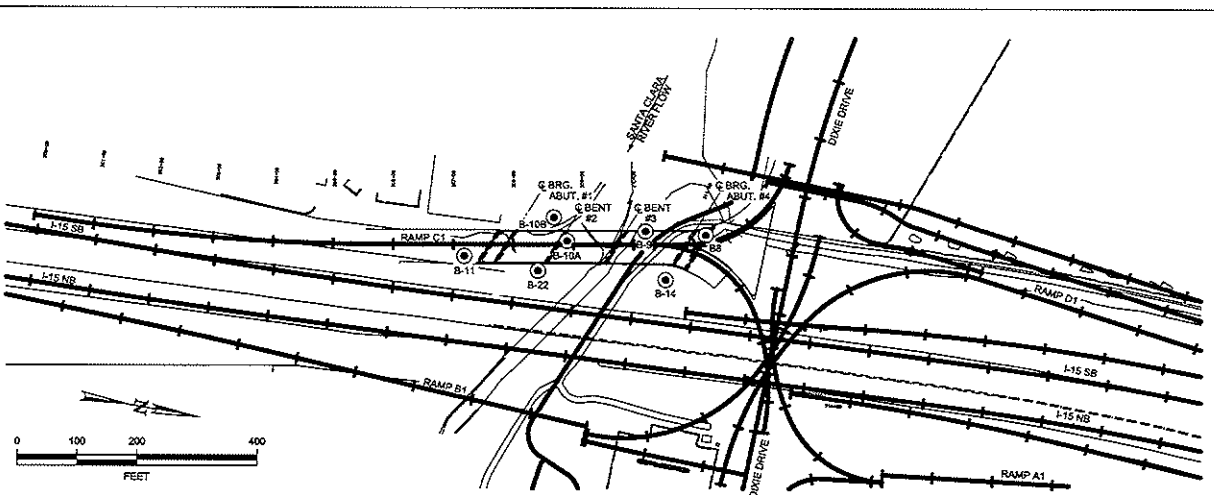
Date Drilled: 10/6-7/09

Depth (ft)	Graphic Log	Summary of Subsurface Conditions	Sample	Moisture (%)	Cone Run (lb)	Recovery (%)	ROD (ft)
12.1		SANDSTONE, Gray, Angular Bedding, Some Joints and Fractures, Moderately Hard to Hard		12.1			
15.0		- Thin Mudstone Layer		15.0			
16.0		- Thin Mudstone Layer		16.0			
18.4		- Thin Mudstone Layer - Some Cherts to 45'		18.4			
24.8		- Screen Layer		24.8			
19.5		- Placer Bedded to 45.5'		19.5			
20.0		- Some Cherts to 45'		20.0			
12.1		- Screen		12.1			

Groundwater: 1.5' Driving Weight & Drop: AGECE 1400lb/30inch End of Boring at: 50 Feet

NOTES

1. SEE "SOIL DATA 8" SHEET FOR KEY TO SYMBOLS AND TERMS.



UTAH DEPARTMENT OF TRANSPORTATION STRUCTURES DIVISION		PROJECT NUMBER: S-115-1(91)5	
I-15; DIXIE DRIVE INTERCHANGE		I-15 SB RAMP C1 OVER SANTA CLARA RIVER	
SOIL DATA 7		PROJECT NUMBER: S-115-1(91)5	
WASHINGTON COUNTY		F-807	
DRG. NO.		DRG. NO.	
SHT. 10		OF 53	

KEY TO SOIL SYMBOLS AND TERMS

Terms used in this report for describing soils according to their texture or grain size distributions are generally in accordance with the Unified Soil Classification System.

TERMS DESCRIBING CONDITION, CONSISTENCY AND HARDNESS

COARSE GRAINED SOILS:

Major portion retained on No. 200 sieve. Includes: (1) clean gravels, (2) silty or clayey gravels and (3) silty, clayey or gravelly sands. Consistency is rated according to blow counts presented on the boring logs.

DESCRIPTIVE TERM	BLOW COUNTS (N160)
Very Loose	0 to 4
Loose	5 to 10
Medium Dense	11 to 30
Dense	31 to 50
Very Dense	> 50

FINE GRAINED SOILS:

Major portion passing No. 200 sieve. Includes: (1) inorganic and organic silts and clays (2) gravelly, sandy or silty clays, and (3) clayey silts. Consistency is rated according to shearing strength as indicated by penetrometer readings or by blow counts presented on the boring logs.

DESCRIPTIVE TERM	BLOW COUNTS (N160)
Very Soft	< 2
Soft	2 - 4
Firm	5 - 8
Stiff	9 - 15
Very Stiff	16 - 30
Hard	> 30

ROCK:

Includes caliche, basalt, and bedrock materials.

Hardness is related to field identification procedures described below.

DESCRIPTIVE TERM	FIELD IDENTIFICATION TEST
Soft	Can be dug by hand and crushed by fingers.
Moderate Hard	Friable, can be gouged deeply with knife and will crumble readily under light hammer blows.
Hard	Knife scratch leaves dust trace, will withstand a few hammer blows before breaking.
Very Hard	Scratched with knife with difficulty, difficult to break with hammer blows.

SOIL MOISTURE

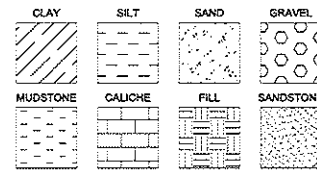
From low to high the soil moisture is indicated by:

Dry	Very Moist
Slightly Moist	Wet
Moist	

SIZE PROPORTIONS

DESCRIPTIVE TERM	PERCENT BY WEIGHT
Trace	0 to 10
With	10 to 20
Some	20 to 35
And	35 to 50

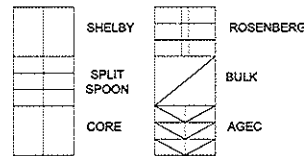
SOIL TYPE KEY



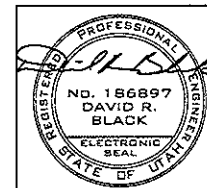
LEGEND OF LABORATORY TEST

G - Grain Size	CH - Chemical
S - Swell	CBR - CBR
DS - Direct Shear	C - Consolidation
A - Atterberg Limits	T - Triaxial
PP - Pocket Penetrometer	Sol - Solubility
U - Unconfined	P - Compaction

SAMPLER TYPES



Blow counts shown in parentheses are the (N160) values corrected for hammer efficiency, rod length and sampler diameter.



UTAH DEPARTMENT OF TRANSPORTATION STRUCTURES DIVISION		PROJECT NUMBER: S-115-1(91)F	
I-15, DIXIE DRIVE INTERCHANGE I-15 SB RAMP C1 OVER SANTA CLARA RIVER		SOIL DATA 8	
WASHINGTON COUNTY		F-807	
DATE: 01/10		DRAWN: JAH	
CHECKED: WBT		DATE: 02/10	
APPROVED: [Signature]		DATE: 02/10	