

LAKE COUNTY
LAK-1-16.55

PATTERSON DRIVE RELOCATION
RIGHT STA. 25 + 00 VROOMAN RD.

RAMP "E"

Ⓧ DRAINAGE

REF. NO.	STATION	SIDE	I-4		I-5			L-10	S-29	
			6" PIPE UNDER-DRAIN (DEEP)	6" PIPE UNDER-DRAIN (SHALLOW)	8" OUTLET PIPE SEC. M-6.4(a)	6" WYE	6" 90° TEE			6" 60° BEND
			LIN. FT.		EACH			SQ. YD.	CU. YD.	
1-D	600+00	7+40	LT.	886	256	10	1	1	1	0.3
2-D	7+40	10+00	RT.							
3-D										419
4-D										130
TOTAL				886	275	10	1	1	2	549

SODDING LEFT DITCH							
STATION	DEPTH OF SODDING FT.	SLOPES		WIDTH OF SODDING FT.	LENGTH FT.	SQ. YDS.	
		F	B				
600+00	4	8:1	3:1	8.5	440	330	
4+00	.35	4:1	4:1	5.0	115	89	
4+00	.65	4:1	4:1	7.0			
5+15	.65	4:1	4:1	7.0			
5+40	.34	4:1	4:1	5.0	260	130	
8+00	.15	4:1	4:1	4.0			
TOTAL							549

ROADWAY					
REF. NO.	STATION	SIDE	I-15 GUARD RAIL, STEEL BEAM TYPE (DEEP) NO. 2-B LIN. FT.	SQ. YDS.	
					FROM
1-R	4+25	6+50	LT.	225	
TOTAL					225

PAVEMENT											
REF. NO.	STATION	B-33 3" BIT	T-31	T-31	T-31	I-18	T-71	I-22	E-101	F-12	MOD.
			NO. 46	NO. 6	NO. 6	5"	10"	SUB-COMP	CONC.	BASE	SUBGR.
20-P	4+50	10+41.5	759.2	379.6	6.1	6.1	115.0	1117.2	503.3	1884.1	103.5
TOTAL			759.2	379.6	6.1	6.1	115.0	1117.2	503.3	1884.1	103.5

RAMP "G"

Ⓧ DRAINAGE

REF. NO.	STATION	SIDE	I-2		I-4	I-5	L-10	I-10
			CL. A STORM SEWER UNDER PART SEC. M-6-5(b) OR M-6-8(b)	8" OUTLET PIPE SEC. M-6-4(c)				
			LIN. FT.		L. F.	EACH	SQ. YD.	CU. YD.
1-D	0+48	620+00	RT.		1288	2		
2-D	26+20	620+00	RT.				1125	
3-D	7+10		RT.					39

SODDING RIGHT DITCH							
STATION	DEPTH OF SODDING FT.	SLOPES		WIDTH OF SODDING FT.	LENGTH FT.	SQ. YDS.	
		F	B				
26+20	.84	4:1	4:1	9.0	75	75	
1+00	.84	4:1	4:1	9.0			
2+25	.30	8:1	2:1	7.0	1114	1050	
620+00	.63	8:1	2:1	10.0			
TOTAL							1125

ROADWAY					
REF. NO.	STATION	SIDE	I-15 GUARD RAIL, STEEL BEAM TYPE (DEEP) NO. 2-B LIN. FT.	SQ. YDS.	
					FROM
1-R	25+50	1+50	RT.	262.5	
2-R	28+18	0+55	LT.	112.5	
TOTAL					375.0

PAVEMENT											
REF. NO.	STATION	B-33 3" BIT	T-31	T-31	T-31	I-18	T-71	I-22	E-101	F-12	MOD.
			NO. 46	NO. 6	NO. 6	5"	10"	SUB-COMP	CONC.	BASE	SUBGR.
20-P	12+77.3	93.5	484.6	242.3	3.9	3.9	73.3	717.3	209.5	1201.9	
TOTAL			484.6	242.3	3.9	3.9	73.3	717.3	209.5	1201.9	

Ⓧ DRAINAGE

REF. NO.	STATION	SIDE	I-1		S-1 CONC. FOR STRUCT. CL. "E"	E-2 EXC. FOR STRUCT.	L-10
			PIPE FOR DRIVEWAYS SEC. M-6.4(a)	24" 15" LIN. FT.			
			CU. YD.	CU. YD.	CU. YD.	SQ. YD.	
1-D	8+50		66		.82	3.4	2
2-D	16+03	16+67	RT.	64			
3-D	7+50	8+50	RT.				39
4-D	8+50	9+50	RT.				70

SODDING RIGHT DITCH							
STATION	DEPTH OF SODDING FT.	SLOPES		WIDTH OF SODDING FT.	LENGTH FT.	SQ. YDS.	
		F	B				
7+50	.16	4:1	4:1	3.5	100	39	
8+50	.18	4:1	4:1	3.5			
8+50	.68	4:1	4:1	7.5	100	70	
9+50	.38	4:1	4:1	5.0			
TOTAL							109

PAVEMENT					
REF. NO.	STATION	T-35 1 1/2" TYPE A	B-119	SQ. YDS.	
					CU. YDS.
1-P	5+31.82	19+38.31	4.9	418.4	
2-P	16+50	RT.	21.1		
TOTALS					4.9 439.5

RAMP "F"

Ⓧ DRAINAGE

REF. NO.	STATION	SIDE	I-4		L-10	
			6" PIPE UNDER-DRAIN (SHALLOW) SEC. M-6.4(h)	SODDING		
			L. F.	S. Q.		
1-D	0+50	620+00	LT.	906		
2-D	1+50	620+00	LT.		653	
TOTAL						

SODDING LEFT DITCH						
STATION	DEPTH OF SODDING FT.	SLOPES		WIDTH OF SODDING FT.	LENGTH FT.	SQ. YDS.
		F	B			
1+50	0.1	8:1	6:1	5.5	812	653
9+62	0.5	8:1	2:1	9		

PAVEMENT											
REF. NO.	STATION	B-33 3" BIT	T-31	T-31	T-31	I-18	T-71	I-22	E-101	I-12	SP.
			NO. 46	NO. 6	NO. 6	5"	10"	SUB-COMP	CONC.	BASE	SUBGR.
20-P	0+12	6+23.09	766.5	383.3	6.1	6.1	116.0	1134.0	310.9	1900.5	
TOTAL			766.5	383.3	6.1	6.1	116.0	1134.0	310.9	1900.5	

RAMP "H"

Ⓧ DRAINAGE

REF. NO.	STATION	SIDE	I-4		I-5	L-10	I-14
			6" PIPE UNDER-DRAIN (SHALLOW)	6" PIPE UNDER-DRAIN (DEEP) SEC. M-6.4(a)			
			LIN. FT.		EACH	SQ. YD.	L. F.
1-D	600+00	7+50	RT.	340	10	1	
2-D	7+50	11+25	RT.	374			
3-D	7+00	7+50	RT.				20
4-D	7+00		RT.				16

SODDING RIGHT DITCH						
STATION	DEPTH OF SODDING FT.	SLOPES		WIDTH OF SODDING FT.	LENGTH FT.	SQ. YDS.
		F	B			
7+50	.16	4:1	4:1	3.5	50	20
8+00	.19	4:1	4:1	3.5		

ROADWAY					
REF. NO.	STATION	SIDE	I-15 GUARD RAIL, STEEL BEAM TYPE (DEEP) NO. 2-B LIN. FT.	SQ. YDS.	
					FROM
1-R	7+75	28+00	VROOMAN	475	
2-R	10+50	24+25	"	350	
TOTAL					825

PAVEMENT											
REF. NO.	STATION	B-33 3" BIT	T-31	T-31	T-31	I-18	T-71	I-22	E-101	F-12	MOD.
			NO. 46	NO. 6	NO. 6	5"	10"	SUB-COMP	CONC.	BASE	SUBGR.
20-P	4+53.07	5+53.07	25.9	13	0.2	0.2	3.6	188.9	393.3	226.6	106.3
21-P	5+33.07	11+64.16	764.6	382.3	6.1	6.1	115.8	1134.1	312.2	1898.7	
TOTAL			790.5	395.3	6.3	6.3	119.4	1323.0	356.5	2125.3	106.3