



① SPIRAL DATA		② CENTRAL CURVE DATA	
$L_s = 300'$	$D_c = 5^\circ 00' 00''$	$D_c = 5^\circ 00' 00''$	$\Delta_c = 47^\circ 39' 22''$
$\theta_s = 7^\circ 30'$	$R_c = 114.5.92'$	$R_c = 114.5.92'$	$L_c = 953.12'$
$S.T. = 100.16'$	$T_c = 506.08'$	$T_c = 506.08'$	$E_c = 106.78'$
$p = 3.27'$	$E_s = 925.89'$	$E_s = 925.89'$	$T_s = 849.40'$
$k = 149.91'$	$E_s = 199.41'$	$E_s = 199.41'$	
$L.C. = 299.77'$			

\* NOTE: COST OF CONCRETE COLLARS TO BE INCLUDED IN ITEM I-1.  
 B.M. #1  
 N.E. Corner Lower Conc. Step  
 Sta. 2+20 - 10' Rt. of C & P  
 Elevation = 841.559

Note: Marker will be furnished and erected on the right by State forces prior to acceptance of this improvement.

B.M. #2  
 R. R. Spike set in Pole #572250  
 E. Side Ledge Rd. Sta. 9+26  
 Elevation = 833.720

0-300	0-200	0-100	0	1	2	3	4	5	6	7	8	9	10																									
			850.72	849.24	847.76	846.28	844.80	843.32	841.84	840.36	839.64	838.95	838.30	837.68	837.10	836.56	836.05	835.57	835.13	834.73	834.36	834.02	833.72	833.46	833.23	833.04	832.89	832.77	832.68	832.63	832.62	832.64	832.69	832.78	832.91	833.07	833.27	833.50

UNDERDRAINS				
LOCATION	STATION	SIDE	I-9 STONE UNDERDRAINS No. 2	
			FROM	TO
S.R. 528	1+00	2+00	R	39
S.R. 528	1+00	10+50	L	566
Conn. Rd. No. 1	0+50	1+75	R	66
TOTAL				671

SODDING			
REF. NO.	FROM	TO	SIDE
I-L	3+00	5+50	LT.
2-L	1+50	5+00	RT.
TOTAL			234

STRUCTURES 20' AND UNDER			
REF. NO.	STATION	SIZE	FOR DETAIL SEE SH. NO
I-C	8+52	14.4"	50

I-15 GUARD RAIL					
Ref. No.	LOCATION	SIDE	ST. TYPE No. 2-A	REMOVAL & DISPOSAL OF EXIST. RAIL	WOOD PASTS WITHOUT RAIL
1-G	0+00	10+50	L	441.5	
2-G	3+00	CONN. RD. #1	R	175.0	
3-G	CONN. RD. #1	10+50	R	118.5	
4-G	EXISTING S.R. 528		R	518	
5-G	DRIVEWAY STA. 4+56		L		8
6-G	DRIVEWAY STA. 5+71		L		11
TOTAL				1329.0	19

DRIVEWAY & MAILBOX APPROACH QUANTITIES									
REF. NO.	STATION	SIDE	LENGTH	WIDTH	APPROX. GRADE	CLASS			
						E-1	I-18	I-1	
			FT.	FT.	%	CU. YDS.	CU. YDS.	CU. YDS.	
1-A	0+94	L	21	12	+7.0	6.0	14.3		
2-A	2+30	L	-	-	-	3.0	6.2		
4-A	2+80	R	47	16	+10.5	55.0	17.6	42	
5-A	4+56	L	59	10	+7.0	91.0	19.8	48	
6-A	5+71	L	56	10	+1.5	150.0	23.2	50	
7-A	1+42	L	21	10	+8.0	11.0	10.9		
TOTAL						20.0	296.0	99.5	140

PAVEMENT REMOVAL			
REF. NO.	STATION		SIDE
	FROM	TO	
I-P	6+29	8+09	R
2-P	8+16	9+46	R
3-P	10+13	10+50	R
TOTAL			646

STORM SEWERS										
Ref. Station	Side	CLASS	PIPE	DIA.	LENGTH	MATERIAL	QUANTITIES			TOTAL
							EXCAVATION	EMBANKMENT	SEED & PROT.	
1-5	L	12"	15'	12"	115	CONC. MASONRY	378	468	746	136
2-5	R	12"	15'	12"	115	CONC. MASONRY	378	468	746	136
3-5	L	12"	15'	12"	115	CONC. MASONRY	378	468	746	136
4-5	R	12"	15'	12"	115	CONC. MASONRY	378	468	746	136
5-5	L	12"	15'	12"	115	CONC. MASONRY	378	468	746	136
6-5	R	12"	15'	12"	115	CONC. MASONRY	378	468	746	136
TOTAL							56	78	0.98	425

CONNECTING ROAD NO. 1 FROM STA. 1+00 TO STA. 2+75	
EXCAVATION	378 CU. YDS.
EMBANKMENT	397 CU. YDS.
EMB. + 18%	468 CU. YDS.
SEED & PROT.	746 SQ. YDS.

EXCAVATION	1565 CU. YDS.
EMBANKMENT	15920 CU. YDS.
EMB. + 18%	18786 CU. YDS.
SEED & PROT.	7803 SQ. YDS.