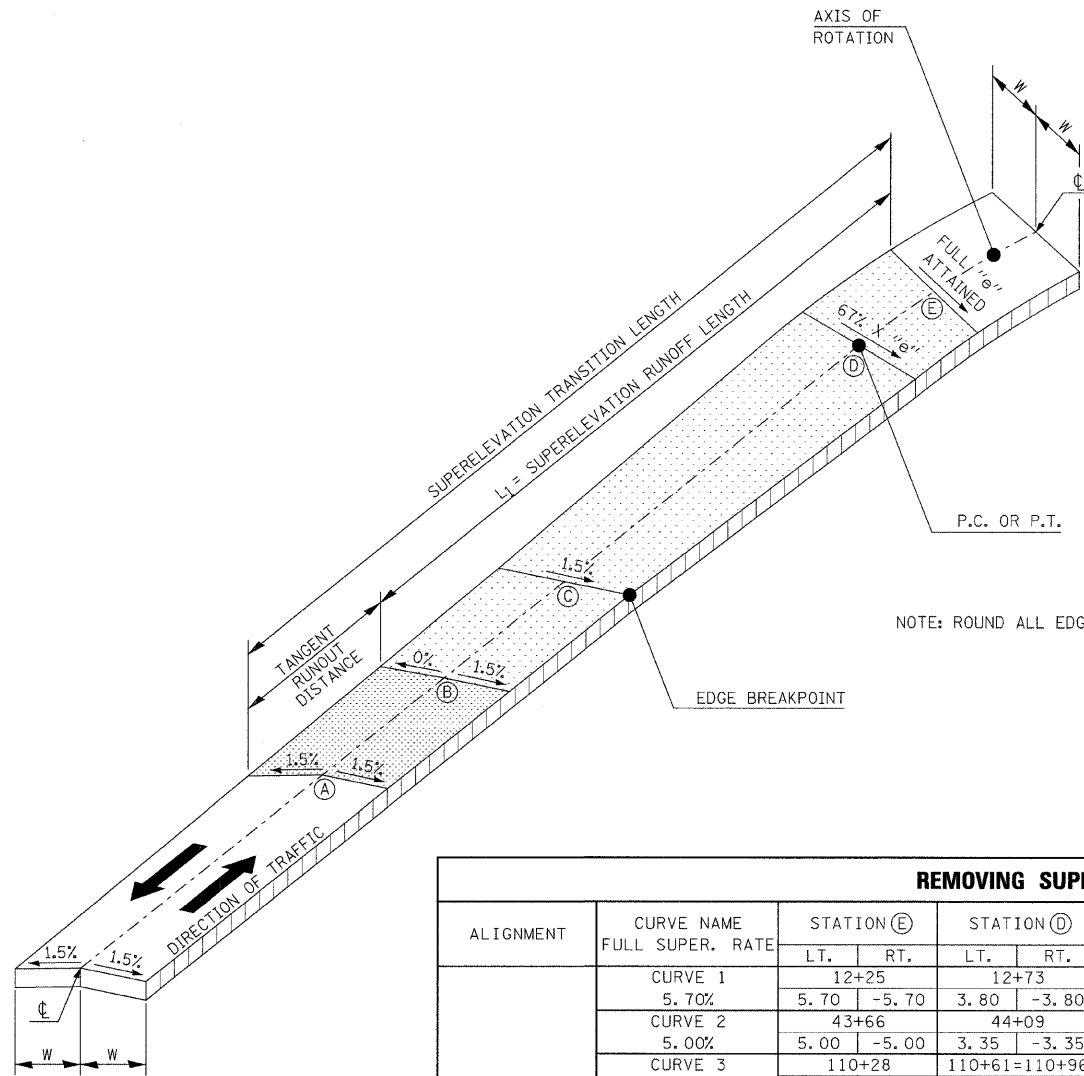


F.A.S. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
932	(8,9,11)WRS-1	*	401	192
STA.	TO STA.			
FED. ROAD DIST. NO. -	ILLINOIS	FED. AID PROJECT		
* JOHNSON & POPE				

ATTAINING SUPERELEVATION

ALIGNMENT	CURVE NAME FULL SUPER. RATE	STATION (A)		STATION (B)		STATION (C)		STATION (D)		STATION (E)		
		LT.	RT.	LT.	RT.	LT.	RT.	LT.	RT.	LT.	RT.	
ILL. RTE. 147	CURVE 1 5.70%	5+35	5+74	6+13	6+72	7+20						
		-1.50	-1.50	0.00	-1.50	1.50	-1.50	3.80	-3.80	5.70	-5.70	
	CURVE 2 5.00%	36+18	36+57	36+96	37+44	37+87						
		-1.50	-1.50	0.00	-1.50	1.50	-1.50	3.35	-3.35	5.00	-5.00	
	CURVE 3 4.00%	96+61	96+99	97+37	97+66	97+99						
		-1.50	-1.50	-1.50	0.00	-1.50	1.50	-2.68	2.68	-4.00	4.00	
	CURVE 4 5.00%	113+20	113+59	113+98	114+46	114+89						
		-1.50	-1.50	0.00	-1.50	1.50	-1.50	3.35	-3.35	5.00	-5.00	
	CURVE 5 4.10%	127+48	127+87	128+26	128+57	128+92						
		-1.50	-1.50	-1.50	0.00	-1.50	1.50	-2.75	2.75	-4.10	4.10	
	CURVE 6 3.50%	140+75	141+14	141+53	141+74	142+03						
		-1.50	-1.50	0.00	-1.50	1.50	-1.50	2.35	-2.35	3.50	-3.50	
	CURVE 7 1.50%	160+47	160+85		161+10	161+23						
		-1.50	-1.50	0.00	-1.50			1.00	-1.50	1.50	-1.50	
	CURVE 8 NONE	NO SUPERELEVATION REQUIRED										
	CURVE 9 4.00%	206+00	206+45	206+90	207+25	207+65						
		-1.50	-1.50	-1.50	0.00	-1.50	1.50	-2.70	2.70	-4.00	4.00	
	CURVE 10 3.30%	260+44	260+83	261+22	261+39	261+67						
		-1.50	-1.50	0.00	-1.50	1.50	-1.50	2.00	-2.00	3.30	-3.30	
	CURVE 11 3.10%	272+56	272+95	273+34	273+48	273+74						
		-1.50	-1.50	-1.50	0.00	-1.50	1.50	-2.10	2.10	-3.10	3.10	
CURVE 12 4.10%	288+18	288+57	288+96	289+27	289+62							
	-1.50	-1.50	0.00	-1.50	1.50	-1.50	2.70	-2.70	4.10	-4.10		
CURVE 13 5.70%	397+86	398+25	398+64	399+23	399+71							
	-1.50	-1.50	0.00	-1.50	1.50	-1.50	3.80	-3.80	5.70	-5.70		
CURVE 14 5.90%	413+59	413+98	414+37	414+99	415+49							
	-1.50	-1.50	-1.50	0.00	-1.50	1.50	-4.00	4.00	-5.90	5.90		
CURVE 15 5.90%	423+26	423+62	424+01	424+63	425+13							
	-1.50	-1.50	0.00	-1.50	1.50	-1.50	4.00	-4.00	5.90	-5.90		
CURVE 16 2.20%	440+88	441+27		441+65	441+83							
	-1.50	-1.50	-1.50	0.00			-1.50	1.50	-2.20	2.20		
CURVE 17 4.90%	512+06	512+45	512+84	513+29	513+70							
	-1.50	-1.50	0.00	-1.50	1.50	-1.50	3.30	-3.30	4.90	-4.90		
CURVE 18 4.90%	522+30	522+69	523+08	523+53	523+94							
	-1.50	-1.50	-1.50	0.00	-1.50	1.50	-3.30	3.30	-4.90	4.90		
CURVE 19 NONE	NO SUPERELEVATION REQUIRED											
CURVE 20 NONE	NO SUPERELEVATION REQUIRED											
CURVE 21 5.00%	665+50	665+87	666+	666+	667+							
	-1.50	-1.50	0.00	-1.50	1.50	-1.50	3.	-3.	5.	-5.		



NOTE: ROUND ALL EDGE BREAKPOINTS IN THE FIELD.

W = LANE WIDTH (SEE TYPICAL SECTIONS)
e = DESIGN SUPERELEVATION RATE

REMOVING SUPERELEVATION

ALIGNMENT	CURVE NAME FULL SUPER. RATE	STATION (E)		STATION (D)		STATION (C)		STATION (B)		STATION (A)		
		LT.	RT.	LT.	RT.	LT.	RT.	LT.	RT.	LT.	RT.	
ILL. RTE. 147	CURVE 1 5.70%	12+25	12+73	13+32	13+71	14+10						
		5.70	-5.70	3.80	-3.80	1.50	-1.50	0.00	-1.50	-1.50	-1.50	
	CURVE 2 5.00%	43+66	44+09	44+57	44+96	45+35						
		5.00	-5.00	3.35	-3.35	1.50	-1.50	0.00	-1.50	-1.50	-1.50	
	CURVE 3 4.00%	110+28	110+61=110+96	111+25	111+63	112+01						
		-4.00	4.00	-2.68	2.68	-1.50	1.50	-1.50	0.00	-1.50	-1.50	
	CURVE 4 5.00%	121+24	121+67	122+15	122+54	122+93						
		5.00	-5.00	3.35	-3.35	1.50	-1.50	0.00	-1.50	-1.50	-1.50	
	CURVE 5 4.10%	131+97	132+32	132+63	133+02	133+41						
		-4.10	4.10	-2.75	2.75	-1.50	1.50	-1.50	0.00	-1.50	-1.50	
	CURVE 6 3.50%	150+07	150+36=150+13	150+34	150+73	151+12						
		3.50	-3.50	2.35	-2.35	1.50	-1.50	0.00	-1.50	-1.50	-1.50	
	CURVE 7 1.50%	181+98	182+11		182+36	182+74						
		1.50	-1.50	1.00	-1.50			0.00	-1.50	-1.50	-1.50	
	CURVE 8 NONE	NO SUPERELEVATION REQUIRED										
	CURVE 9 4.00%	228+59	228+99	229+34	229+79	230+24						
		-4.00	4.00	-2.70	2.70	-1.50	1.50	-1.50	0.00	-1.50	-1.50	
	CURVE 10 3.30%	269+32	269+60	269+77	270+16	270+55						
		3.30	-3.30	2.00	-2.00	1.50	-1.50	0.00	-1.50	-1.50	-1.50	
	CURVE 11 3.10%	278+98	279+24=283+28	283+42	283+81	284+20						
		-3.10	3.10	-2.10	2.10	-1.50	1.50	-1.50	0.00	-1.50	-1.50	
CURVE 12 4.10%	308+81	309+16	309+47	309+86	310+25							
	4.10	-4.10	2.70	-2.70	1.50	-1.50	0.00	-1.50	-1.50	-1.50		
CURVE 13 5.70%	404+72	405+20	405+79	406+18	406+57							
	5.70	-5.70	3.80	-3.80	1.50	-1.50	0.00	-1.50	-1.50	-1.50		
CURVE 14 5.90%	421+39	421+89	422+51	422+90	423+26							
	-5.90	5.90	-4.00	4.00	-1.50	1.50	-1.50	0.00	-1.50	-1.50		
CURVE 15 5.90%	433+62	434+12=434+77	435+39	435+78	436+17							
	5.90	-5.90	4.00	-4.00	1.50	-1.50	0.00	-1.50	-1.50	-1.50		
CURVE 16 2.20%	494+03	494+21		494+59	494+98							
	-2.20	2.20	-1.50	1.50			-1.50	0.00	-1.50	-1.50		
CURVE 17 4.90%	519+84	520+25	520+70	521+09	521+48							
	4.90	-4.90	3.30	-3.30	1.50	-1.50	0.00	-1.50	-1.50	-1.50		
CURVE 18 4.90%	528+42	528+83=528+55	529+28	529+67	530+06							
	-4.90	4.90	-3.30	3.30	-1.50	1.50	-1.50	0.00	-1.50	-1.50		
CURVE 19 NONE	NO SUPERELEVATION REQUIRED											
CURVE 20 NONE	NO SUPERELEVATION REQUIRED											
CURVE 21 5.00%	670+	671+	671+47	671+85	672+23							
	5.	-5.	3.	-3.	1.50	-1.50	0.00	-1.50	-1.50	-1.50		