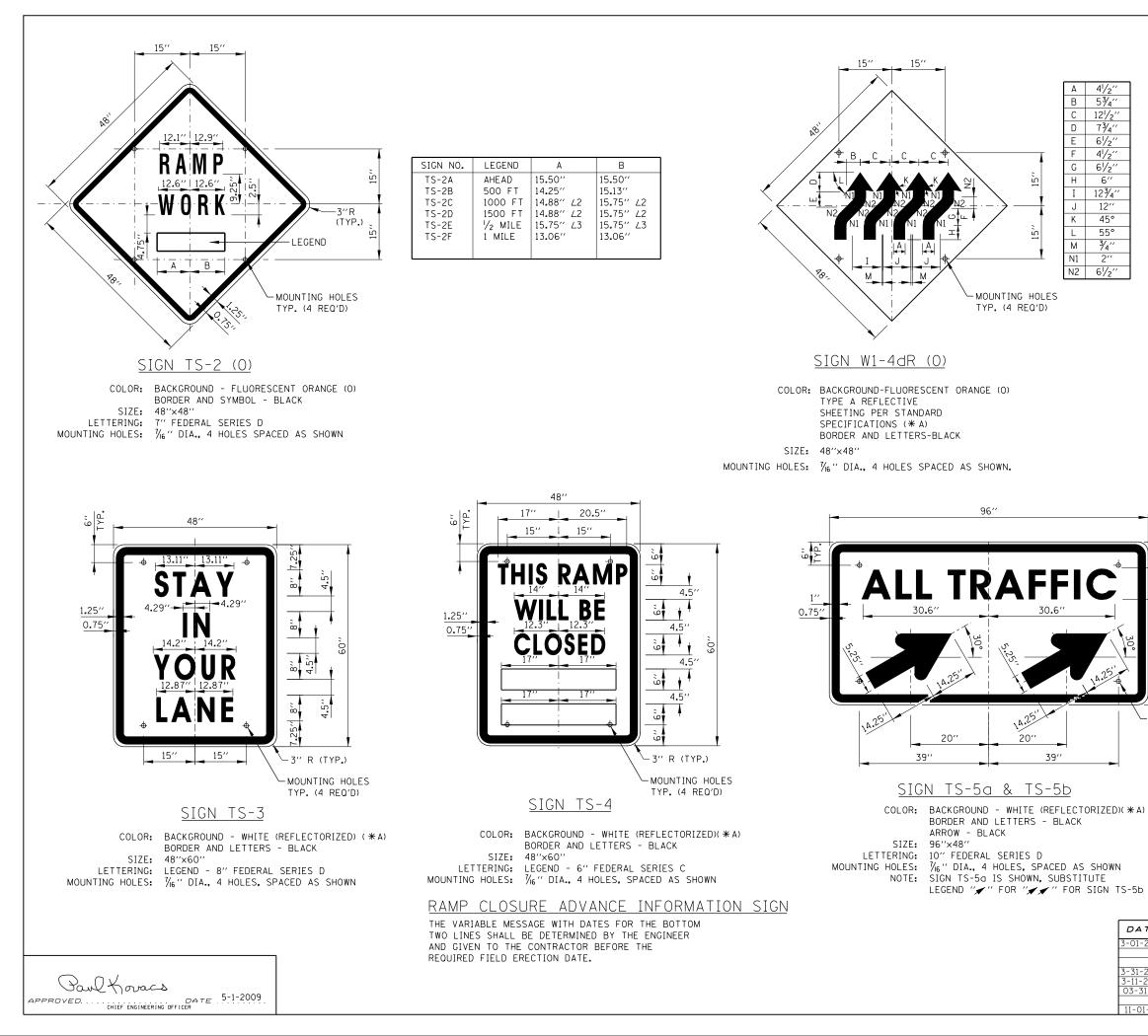
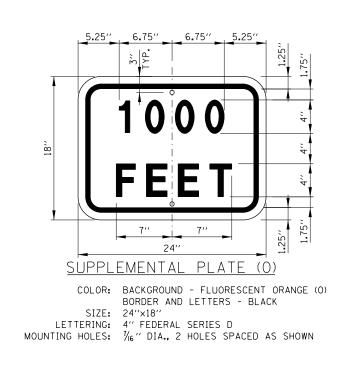
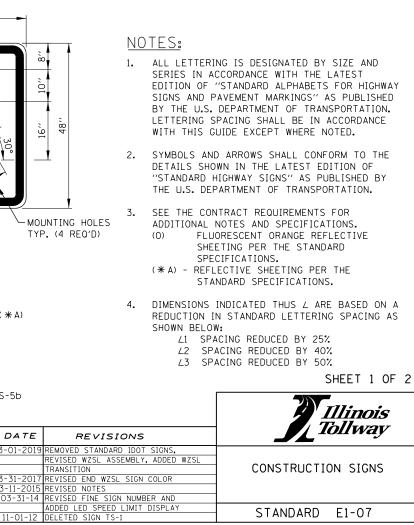
Illinois Tollway Standard Drawing Revisions											
Section E	Maintenance of	Traffic									
	Standard	Modification Summary	Effective: 03-01-2022								
		No Change									

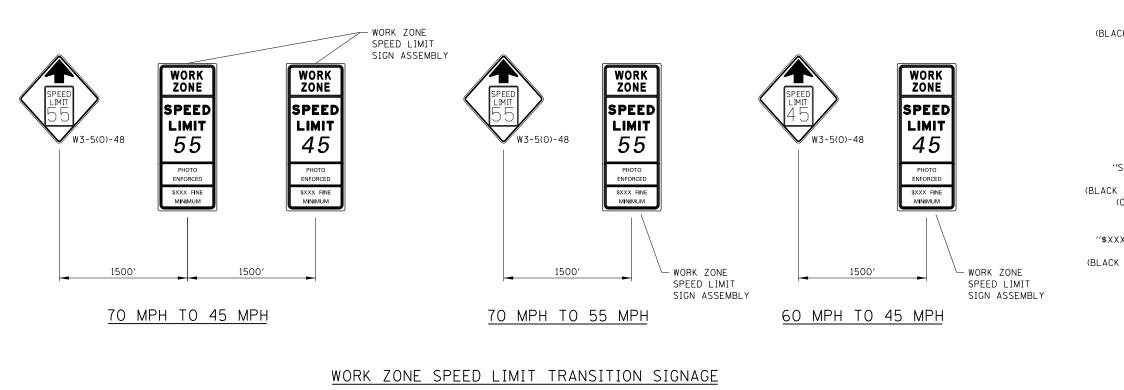
Retired Standard

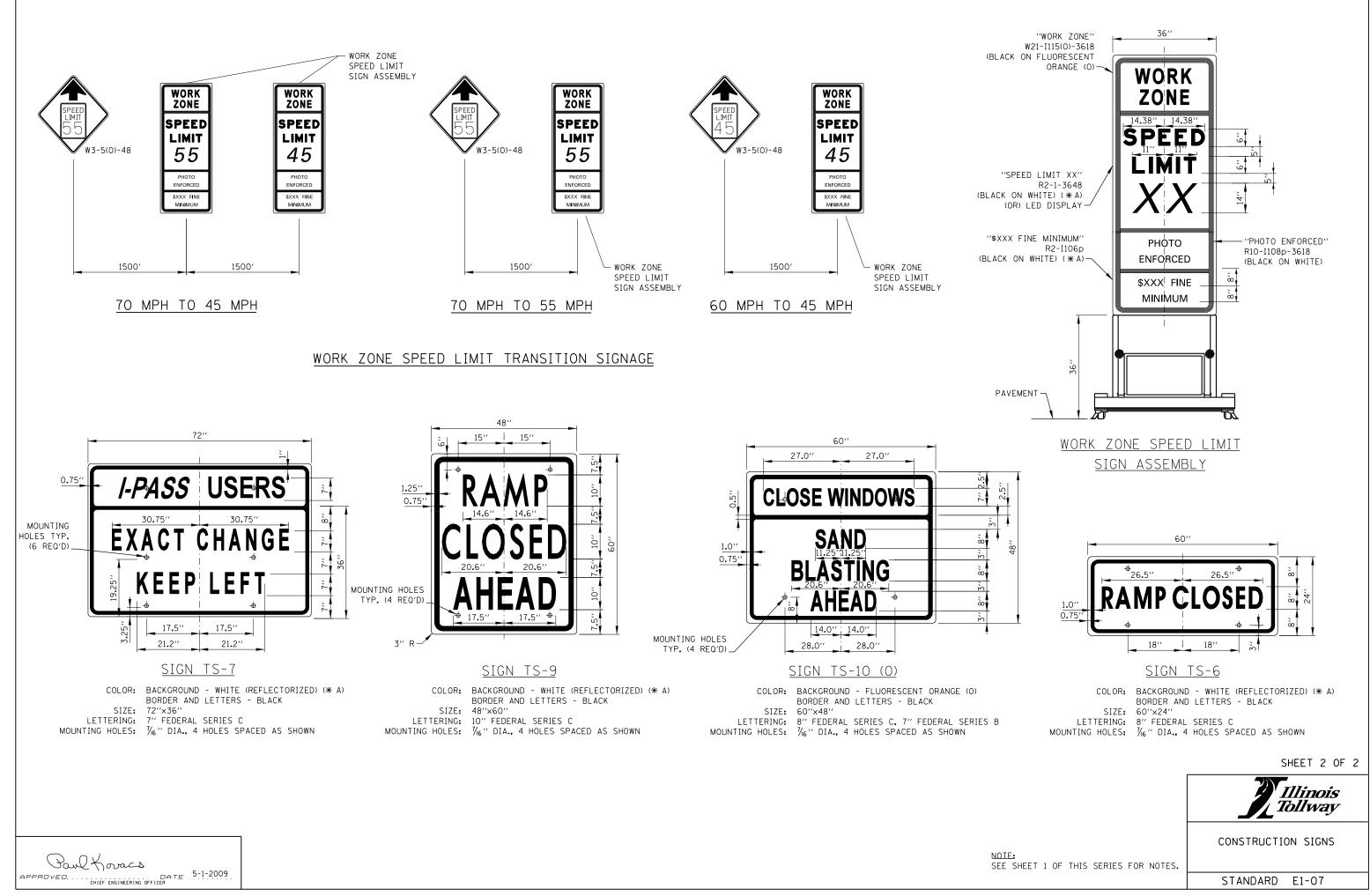
New Sheet

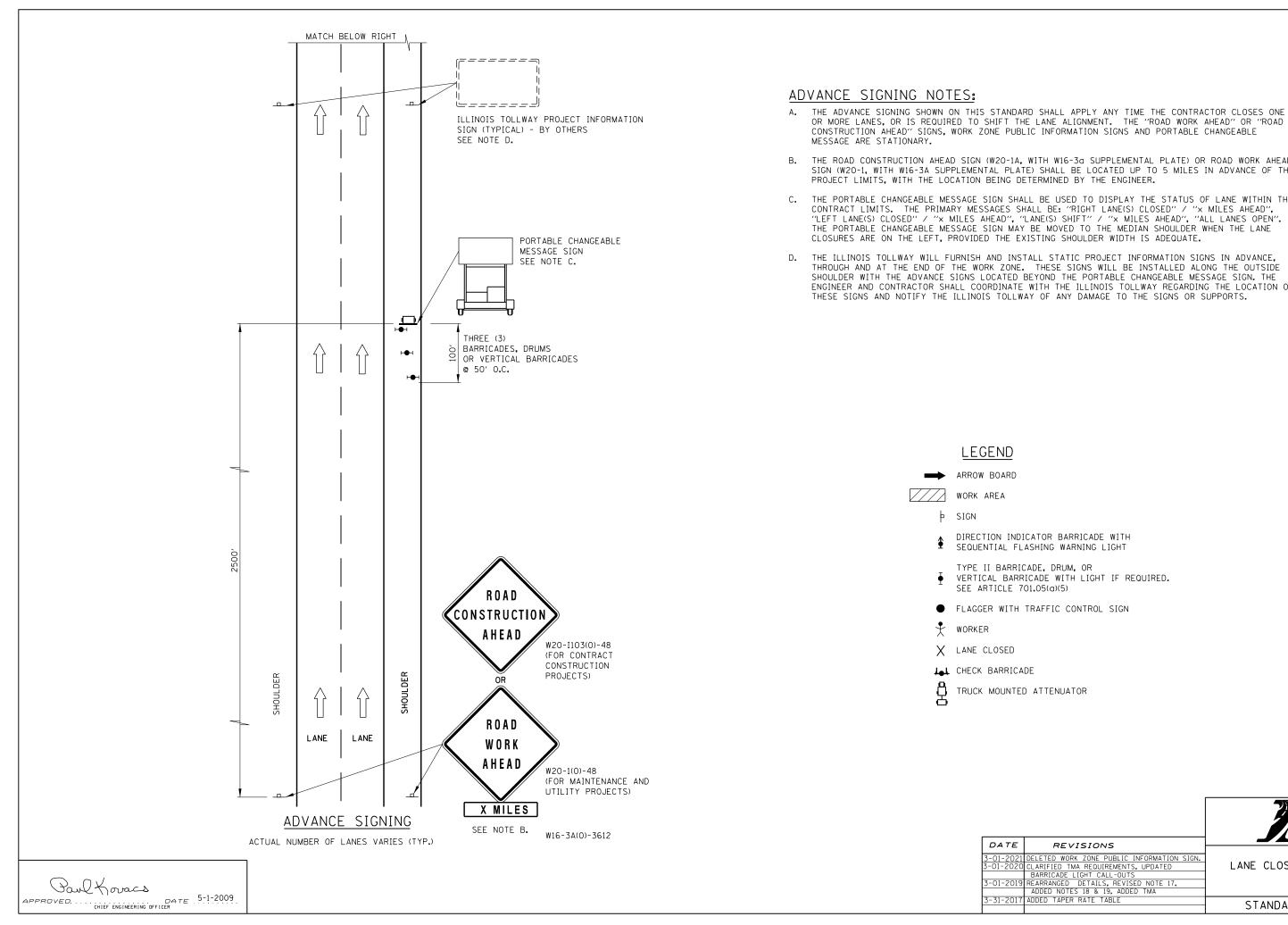












OR MORE LANES, OR IS REQUIRED TO SHIFT THE LANE ALIGNMENT. THE "ROAD WORK AHEAD" OR "ROAD CONSTRUCTION AHEAD" SIGNS, WORK ZONE PUBLIC INFORMATION SIGNS AND PORTABLE CHANGEABLE

B. THE ROAD CONSTRUCTION AHEAD SIGN (W20-1A, WITH W16-3d SUPPLEMENTAL PLATE) OR ROAD WORK AHEAD SIGN (W2O-1. WITH W16-3A SUPPLEMENTAL PLATE) SHALL BE LOCATED UP TO 5 MILES IN ADVANCE OF THE

C. THE PORTABLE CHANGEABLE MESSAGE SIGN SHALL BE USED TO DISPLAY THE STATUS OF LANE WITHIN THE CONTRACT LIMITS. THE PRIMARY MESSAGES SHALL BE: "RIGHT LANE(S) CLOSED" / "× MILES AHEAD", "LEFT LANE(S) CLOSED" / "× MILES AHEAD", "LANE(S) SHIFT" / "× MILES AHEAD", "ALL LANES OPEN". THE PORTABLE CHANGEABLE MESSAGE SIGN MAY BE MOVED TO THE MEDIAN SHOULDER WHEN THE LANE

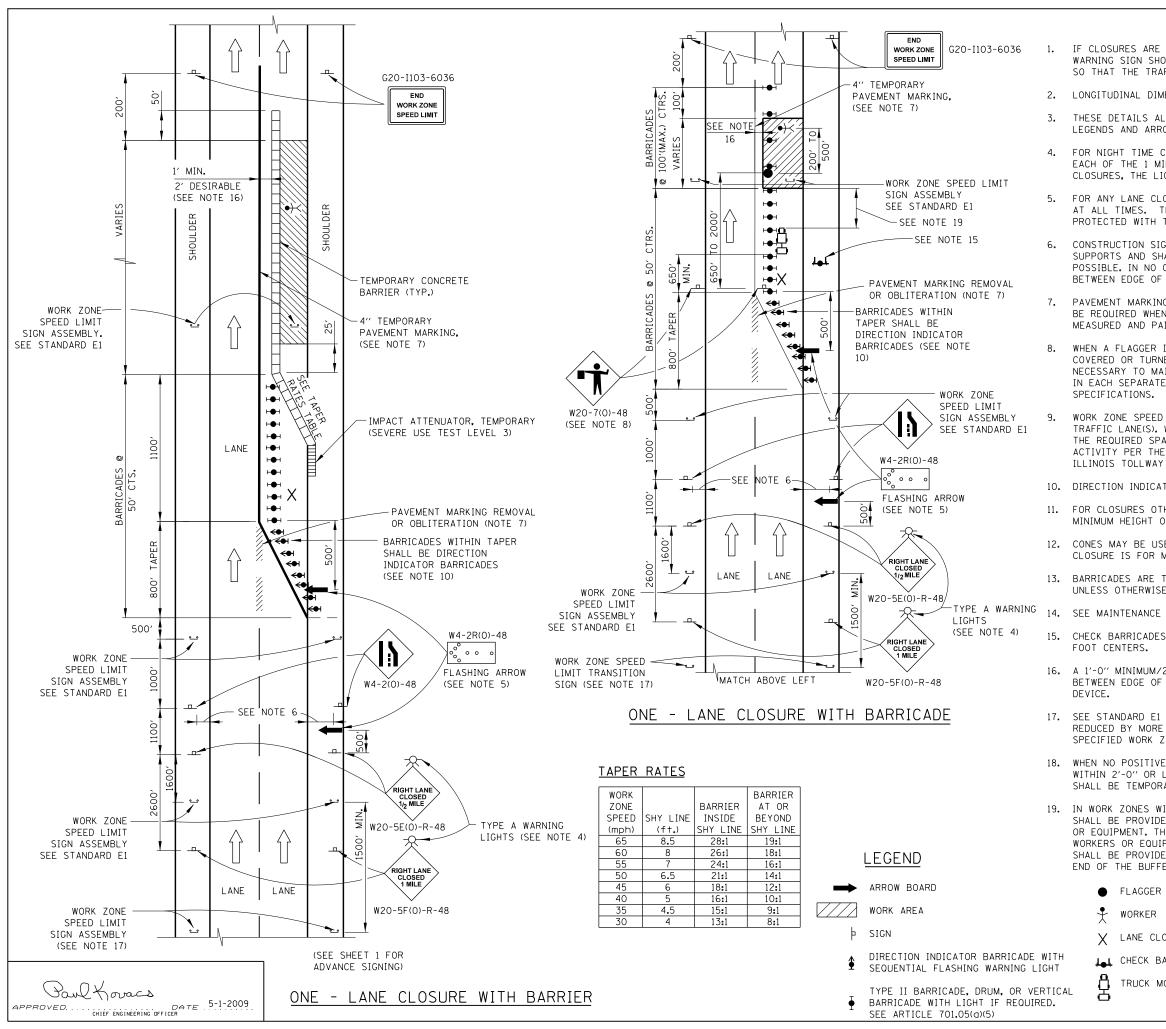
THE ILLINOIS TOLLWAY WILL FURNISH AND INSTALL STATIC PROJECT INFORMATION SIGNS IN ADVANCE, THROUGH AND AT THE END OF THE WORK ZONE. THESE SIGNS WILL BE INSTALLED ALONG THE OUTSIDE SHOULDER WITH THE ADVANCE SIGNS LOCATED BEYOND THE PORTABLE CHANGEABLE MESSAGE SIGN. THE ENGINEER AND CONTRACTOR SHALL COORDINATE WITH THE ILLINOIS TOLLWAY REGARDING THE LOCATION OF THESE SIGNS AND NOTIFY THE ILLINOIS TOLLWAY OF ANY DAMAGE TO THE SIGNS OR SUPPORTS.

> DIRECTION INDICATOR BARRICADE WITH SEQUENTIAL FLASHING WARNING LIGHT

VERTICAL BARRICADE WITH LIGHT IF REQUIRED.

● FLAGGER WITH TRAFFIC CONTROL SIGN

	SHEET 1 OF 3
	Illinois Tollway
REVISIONS	
DELETED WORK ZONE PUBLIC INFORMATION SIGN.	
CLARIFIED TMA REQUIREMENTS, UPDATED	LANE CLOSURE DETAILS
BARRICADE LIGHT CALL-OUTS	
REARRANGED DETAILS, REVISED NOTE 17,	
ADDED NOTES 18 & 19, ADDED TMA	
ADDED TAPER RATE TABLE	STANDARD E2-10
	STANDARD L2 IO



LANE CLOSURE NOTES:

IF CLOSURES ARE EXPECTED TO PRODUCE TRAFFIC BACKUPS EXTENDING BEYOND THE FIRST WARNING SIGN SHOWN ON THE DETAILS, ADDITIONAL UPSTREAM SIGNS SHALL BE PLACED SO THAT THE TRAFFIC CONTROL ZONE ENCOMPASSES THE ANTICIPATED BACKUP ZONE.

2. LONGITUDINAL DIMENSIONS MAY BE ADJUSTED SLIGHTLY TO FIT FIELD CONDITIONS.

THESE DETAILS ALSO APPLY TO OPPOSITE HAND LANE CLOSURES BY CHANGING SIGN LEGENDS AND ARROW DIRECTIONS TO INDICATE THE APPROPRIATE CLOSURE.

FOR NIGHT TIME CLOSURES, ONE TYPE A WARNING LIGHT SHALL BE INSTALLED ABOVE EACH OF THE 1 MILE AND $\frac{1}{2}$ MILE ADVANCE WARNING SIGNS. FOR DAYLIGHT - ONLY CLOSURES. THE LIGHTS MAY BE OMITTED.

FOR ANY LANE CLOSURE, FLASHING ARROW BOARDS SHALL BE REQUIRED AND IN OPERATION AT ALL TIMES. THE FLASHING ARROW BOARD IN ADVANCE OF THE TAPER SHALL BE PROTECTED WITH THREE TYPE II BARRICADES AT 50' O.C.

6. CONSTRUCTION SIGNS SHALL GENERALLY BE POST - MOUNTED OR ATTACHED TO PORTABLE SUPPORTS AND SHALL BE INSTALLED 8' TO 12' FROM ADJACENT TRAVEL LANE WHEREVER POSSIBLE. IN NO CASE SHALL SIGNS BE LOCATED TO PROVIDE LESS THAN 2' CLEARANCE BETWEEN EDGE OF SIGN AND ADJACENT TRAVEL LANE.

7. PAVEMENT MARKING TAPE AND REMOVAL OR OBLITERATION OF EXISTING MARKINGS SHALL BE REQUIRED WHEN THE CLOSURE TIME EXCEEDS FOUR DAYS. THIS WORK SHALL BE MEASURED AND PAID FOR SEPARATELY.

WHEN A FLAGGER IS NOT ON STATION, THE FLAGGER SIGN SHALL BE PROMPTLY REMOVED. COVERED OR TURNED TO FACE AWAY FROM TRAFFIC. FLAGGER SIGNS SHALL BE MOVED AS NECESSARY TO MAINTAIN THE REQUIRED SPACING BETWEEN THE SIGNS AND THE WORKERS IN EACH SEPARATE WORK ACTIVITY, PER THE ILLINOIS TOLLWAY SUPPLEMENTAL

WORK ZONE SPEED LIMIT SIGN ASSEMBLIES. SHALL BE PLACED ADJACENT TO THE OPEN TRAFFIC LANE(S). WORK ZONE SPEED SIGNS SHALL BE MOVED AS NECESSARY TO MAINTAIN THE REQUIRED SPACING BETWEEN SIGNS AND THE WORKERS IN EACH SEPARATE WORK

ILLINOIS TOLLWAY SUPPLEMENTAL SPECIFICATIONS.

10. DIRECTION INDICATOR BARRICADES SHALL BE USED IN LANE TAPERS.

FOR CLOSURES OTHER THAN SHORT TERM (SUNRISE TO ONE HOUR BEFORE SUNSET), THE MINIMUM HEIGHT OF THE SIGN FROM SHOULDER ELEVATION SHALL BE 7'-O".

12. CONES MAY BE USED IN LIEU OF BARRICADES IN THE BUFFER AND WORK AREAS, WHEN THE CLOSURE IS FOR MAINTENANCE OPERATIONS.

BARRICADES ARE TO BE LOCATED AT JOINT LINE WHEN WORK AREA EXTENDS UP TO JOINT UNLESS OTHERWISE SHOWN ON THE PLANS.

SEE MAINTENANCE OF TRAFFIC DRAWINGS FOR ADDITIONAL SIGNING IN THIS AREA.

CHECK BARRICADES SHALL BE PLACED IN EACH CLOSED LANE AND SHOULDER AT 1000

16. A 1'-O" MINIMUM/2'-O" DESIRABLE SHY DISTANCE SHALL BE PROVIDED, MEASURED BETWEEN EDGE OF PAVEMENT LANE MARKING TO THE EDGE OF THE TRAFFIC CONTROL

17. SEE STANDARD E1 FOR ADDITIONAL SIGNAGE REQUIRED WHEN WORK ZONE SPEED LIMIT IS REDUCED BY MORE THAN 10 MPH. THE SPEED LIMIT SHALL BE TRANSITIONED TO THE SPECIFIED WORK ZONE SPEED LIMIT 2600 FEET BEFORE THE FIRST W4-2 SIGN.

18. WHEN NO POSITIVE PROTECTION IS PROVIDED AND WORKERS OR EQUIPMENT ENCROACH WITHIN 2'-O" OR LESS FROM THE EDGE OF TRAVELED WAY, THE LANE OPEN TO TRAFFIC SHALL BE TEMPORARILY CLOSED OR SHIFTED DURING WORK ACTIVITIES.

19. IN WORK ZONES WITH NO POSITIVE PROTECTION, A TRUCK MOUNTED ATTENUATOR (TMA) SHALL BE PROVIDED WITH A BUFFER AREA BETWEEN THE FRONT OF THE TMA AND WORKERS OR EQUIPMENT. THE BUFFER AREA SHALL BE 200' UNLESS OTHERWISE DETERMINED. WHERE WORKERS OR EQUIPMENT ARE PRESENT BEYOND THE WORK AREA. AN ADDITIONAL TMA SHALL BE PROVIDED TO EACH WORK AREA. A WORK AREA IS DEFINED AS STARTING AT THE END OF THE BUFFER AREA, EXTENDING 1000 FEET BEYOND THIS POINT.

SHEET 2 OF 3

FLAGGER WITH TRAFFIC CONTROL SIGN

WORKER

LANE CLOSED

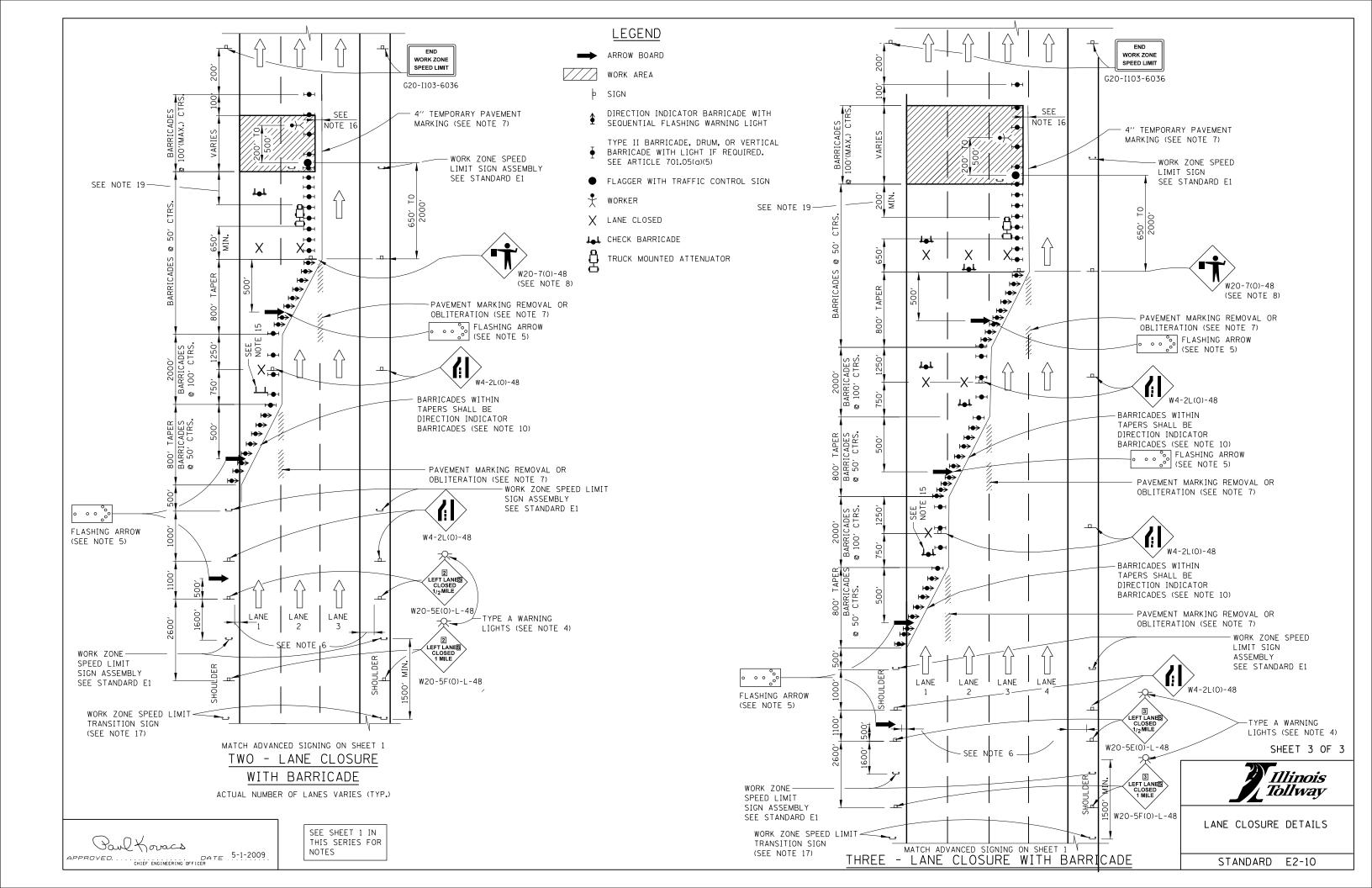
CHECK BARRICADE

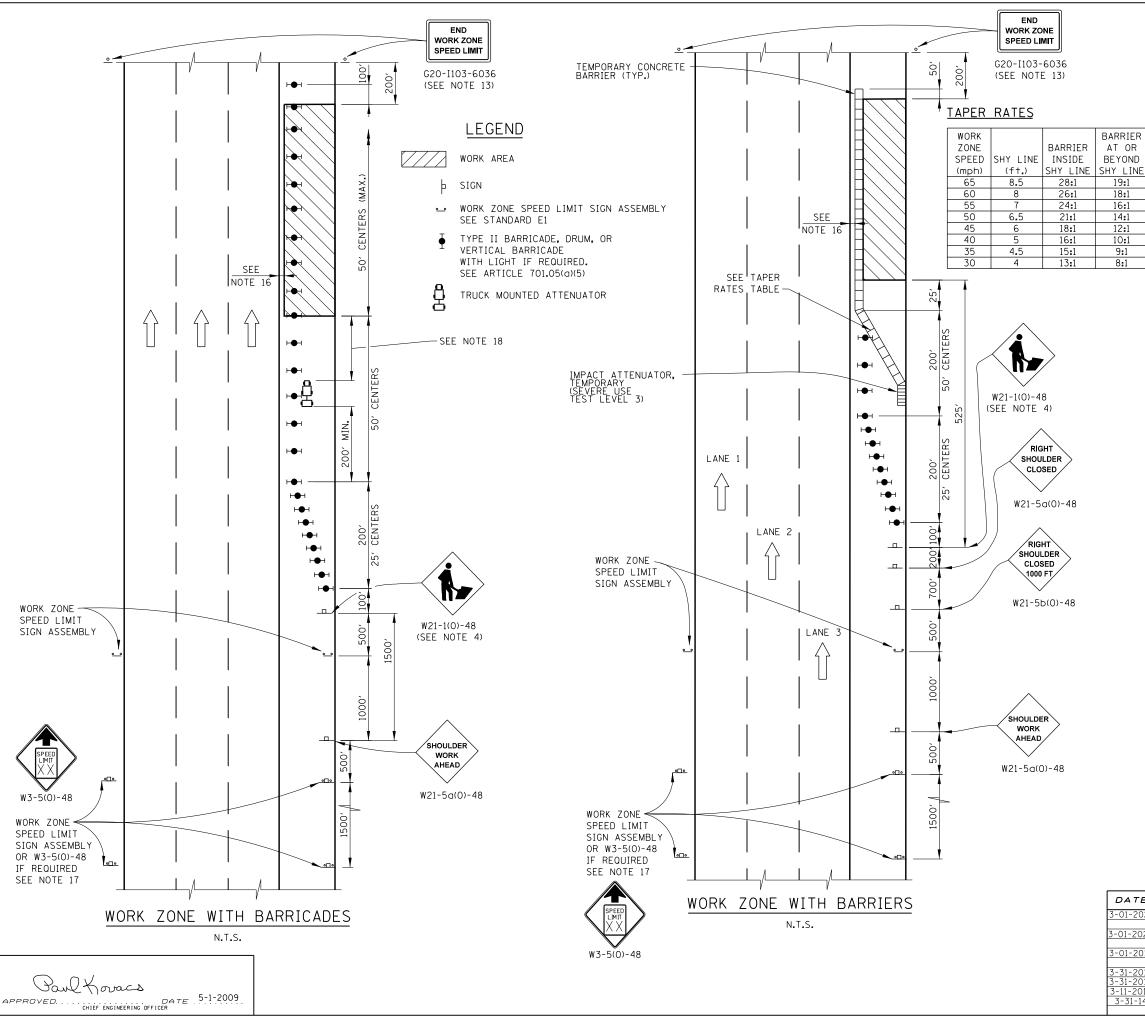
TRUCK MOUNTED ATTENUATOR



LANE CLOSURE DETAILS

STANDARD E2-10

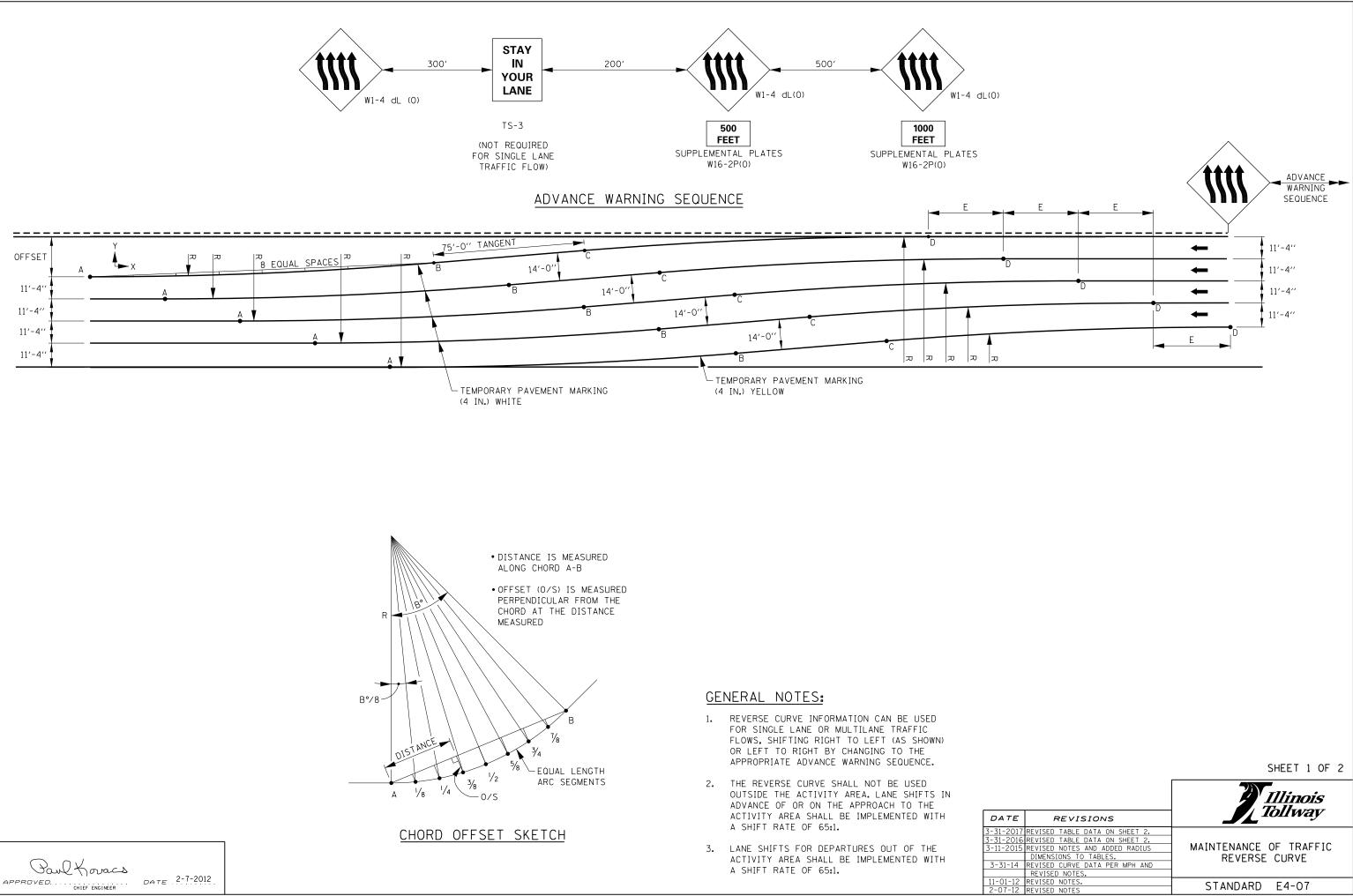




GENERAL NOTES:

- THE SHOULDER SHALL BE CLOSED WHEN A WORK ACTIVITY 1. REQUIRING 15 OR MORE MINUTES IS PERFORMED AT A DISTANCE WHICH IS LESS THAN 15 FEET BUT NO CLOSER THAN 2 FEET FROM THE EDGE OF PAVEMENT.
- THE ADJACENT EXTERIOR LANE SHALL BE CLOSED WHEN WORK IS PERFORMED WITHIN 2 FEET FROM THE EDGE OF PAVEMENT.
- THE CHANNELIZING DEVICES WHICH SEPARATE THE WORK SPACE 3. FROM THE ADJACENT TRAVEL LANE SHALL BE SPACED AT 25' FOR (200 FEET) AND AT A MAXIMUM OF 50' FOR ALL ADDITIONAL DEVICES.
- WHEN THE WORK SITE IS UNATTENDED, SUBSTITUTE -4. "SHOULDER WORK AHEAD" SIGN.
- WORKER SIGNS OR SHOULDER WORK SIGNS AND CHANNELIZATION 5. DEVICES ARE PLACED ONLY ON THE SIDE OF THE ROADWAY ON WHICH THE ACTIVITY IS PERFORMED.
- FOR SHOULDER CLOSURE EXTENDING OVERNIGHT, BARRICADE TYPE II SHALL BE USED. SEE ARTICLE 701.05(g)(5) FOR 6 BARRICADE LIGHT REQUIREMENTS
- 7. FOR SHORT TERM CLOSURE (SUNRISE TO ONE HOUR BEFORE SUNSET) NOT EXTENDING INTO DARKNESS, CONES MAY BE USED.
- ONE WORK ZONE SPEED LIMIT SIGN ASSEMBLY SHALL BE 8. PLACED AT A DISTANCE OF 500' TO 2,500' MAXIMUM IN ADVANCE OF WORKERS THROUGHOUT THE SHOULDER CLOSURE. MOVING OPERATIONS MAY REQUIRE CONTINUOUS ADJUSTMENT OF THE SIGN ASSEMBLY LOCATION TO MAINTAIN THE ABOVE INTERVAL.
- 9. AN ADDITIONAL SIGN ASSEMBLY SHALL BE PLACED 500' BEYOND THE LAST ENTRANCE RAMP FOR EACH INTERCHANGE THAT FALLS WITHIN THE 2.500'.
- 10. THE SIGN ASSEMBLY SHALL BE PLACED NO CLOSER THAN 500' TO ANY OTHER SIGN.
- 11. THE WORK ZONE SPEED LIMIT SIGNS AND SIGN ASSEMBLY SHALL BE PROMPTLY REMOVED OR COVERED WHEN SHOULDER CLOSURE IS REMOVED.
- 12. ALL CONFLICTING SPEED LIMIT SIGNS SHALL BE COVERED OR REMOVED.
- 13. "END WORK ZONE SPEED LIMIT" SIGNS SHALL BE IN PLACE ONLY WHEN THE EXISTING POSTED SPEED > 55MPH.
- 14. FOR SHOULDER REPAIRS OR REPLACEMENT THE CHANNELIZING DEVICES SHALL BE PLACED AT THE EDGE OF PAVEMENT WHENEVER THE WORK ACTIVITIES RESULT IN A DROP OFF AT THE EDGE OF PAVEMENT.
- 15. ANY UNATTENDED OBSTACLE OR EXCAVATION LEFT ON THE SHOULDER OVERNIGHT SHALL BE IN COMPLIANCE WITH THE ROADWAY TRAFFIC CONTROL AND COMMUNICATIONS MANUAL.
- 16. A 1'-O" MINIMUM/2'-O" DESIRABLE SHY DISTANCE SHALL BE PROVIDED, MEASURED BETWEEN EDGE OF PAVEMENT LANE MARKING TO THE EDGE OF THE TRAFFIC CONTROL DEVICE.
- 17. SEE STANDARD E1 FOR ADDITIONAL SIGNAGE REQUIRED WHEN WORK ZONE SPEED LIMIT IS REDUCED BY MORE THAN 10 MPH.
- 18. IN WORK ZONES WITH NO POSITIVE PROTECTION, A TRUCK MOUNTED ATTENUATOR SHALL BE PROVIDED WITH A BUFFER AREA BETWEEN THE FRONT OF THE TMA AND WORKERS OR EQUIPMENT. THE BUFFER AREA SHALL BE 200' UNLESS OTHERWISE DETERMINED. WHERE WORKERS OR EQUIPMENT ARE PRESENT BEYOND THE WORK AREA, AN ADDITIONAL TMA SHALL BE PROVIDED FOR EACH WORK AREA IS DEFINED AS STARTING AT THE END OF THE BUFFER AREA, EXTENDING 1000 FEET REVOND THIS POINT

	DETUNU THIS FUINT.	
DATE	REVISIONS	W Illinois
01-2021	DELETED WORK ZONE PUBLIC INFORMATION	
	SIGN	Tollway
01-2020	CLARIFIED TMA REQUIREMENTS & UPDATED	
	BARRICADE LIGHT REQUIREMENTS	
01-2019	DELETED W21-1a, ADJUSTED SIGN SPACING,	
	ADDED TMA, REVISED NOTES	SHOULDER CLOSURE
31-2017	ADDED TAPER RATE TABLE.	DETAILS
	ADD WORK ZONE WITH BARRIERS.	DETTIES
11-2015	REVISED NOTES	
-31-14	REVISED WORKER SIGN NUMBERS PER	STANDARD E3-09
	"MUTCD" AND REVISED NOTES.	STANDAND ES-03



SHEET	1	OF	2
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DATE	REVISIONS
-31-2017	REVISED TABLE DATA ON SHEET 2.
	REVISED TABLE DATA ON SHEET 2.
5-11-2015	REVISED NOTES AND ADDED RADIUS
	DIMENSIONS TO TABLES.
3-31-14	REVISED CURVE DATA PER MPH AND
	REVISED NOTES.
11-01-12	REVISED NOTES.
2-07-12	REVISED NOTES

<u>TYPE I (45 MPH) (RADIUS: 2100')</u>

																														
					P01	NT LAY	-001				CHORD OFFSET DATA									P01	NT LAY-	-001				CHORD OFFSET DATA				
OFFSET	E	В	A	N	E	3	(2	D		1/8 & 7/8	1/4 & 3/	/4 3/8	8 & 5/8	1/2	OFFSET	E	В	,	A	E	3	0	2)	1/8 & 7/8 1/4 & 3/4 3/8 & 5/8 1/2			
			Х	Y	Х	Y	Х	Y	Х	Y	0/S DIST	O/S DI	IST 0/S	S DIST	T O/S DIST				Х	Y	Х	Y	X	Y	X	Y	0/S DIST 0/S DIST 0/S DIST 0/S DIST			
10	50.23	3.06	0	0	112.2	3.0	187.1	7.0	299.2	10.0	0.3 14.0	0.6 28	3.0 0.7	42.1	0.7 56.	10	58.28	2.63	0	0	142.5	3.3	217.4	6.7	359.9	10.0	0.4 17.8 0.6 35.6 0.8 53.4 0.8 71.3			
12	44.94	3.43	0	0	125.6	3.8	200.4	8.2	326.0	12.0	0.4 15.7	0.7 3	1.4 0.9	47.1	0.9 62.8	12	52.30	2.94	0	0	158.9	4.1	233.8	7.9	392.8	12.0	0.4 19.9 0.8 39.7 1.0 59.6 1.0 79.5			
14	40.96	3.77	0	0	138.0	4.5	212.8	9.5	350.8	14.0	0.5 17.3	0.9 34	4.5 1.1	51.8	1.1 69.0	14	47.80	3.22	0	0	174.1	4.9	249.0	9.1	423.1	14.0	0.5 21.8 0.9 43.5 1.1 65.3 1.2 87.1			
16	37.86	4.08	0	0	149.5	5.3	224.3	10.7	373.9	16.0	0.6 18.7	1.0 3	7.4 1.2	56.1	1.3 74.8	16	44.25	3.48	0	0	188.3	5.7	263.1	10.3	451.4	16.0	0.6 23.5 1.1 47.1 1.3 70.6 1.4 94.2			
18	35.34	4.38	0	0	160.4	6.1	235.2	11.9	395.6	18.0	0.7 20.1	1.2 4	0.1 1.4	60.2	2 1.5 80.3	18	41.38	3.73	0	0	201.6	6.6	276.4	11.4	478.0	18.0	0.7 25.2 1.2 50.4 1.5 75.6 1.6 100.8			
20	33.26	4.66	0	0	170.7	7.0	245.5	13.0	416.2	20.0	0.8 21.4	1.3 42	2.7 1.6	64.1	1.7 85.4	20	38.99	3.96	0	0	214.2	7.4	289.0	12.6	503.2	20.0	0.8 26.8 1.4 53.6 1.7 80.4 1.9 107.2			
22	31.50	4.93	0	0	180.5	7.8	255.3	14.2	435.8	22.0	0.9 22.6	1.5 45	5.2 1.8	67.8	3 1.9 90.4	22	36.96	4.18	0	0	226.2	8.3	301.0	13.7	527.2	22.0	0.9 28.3 1.5 56.6 1.9 84.9 2.1 113.2			
24	30.00	5.19	0	0	189.9	8.6	264.6	15.4	454.6	24.0	0.9 23.8	1.6 4	7.5 2.0	71.3	3 2.2 95.	24	35.22	4.40	0	0	237.7	9.1	312.5	14.9	550.1	24.0	1.0 29.7 1.7 59.5 2.1 89.2 2.3 118.9			
26	28.68	5.44	0	0	199.0	9.4	273.6	16.6	472.6	26.0	1.0 24.9	1.8 49	9.8 2.2	74.7	7 2.4 99.6	26	33.70	4.60	0	0	248.7	10.0	323.5	16.0	572.1	26.0	1.1 31.1 1.9 62.2 2.3 93.3 2.5 124.4			
28	27.53	5.67	0	0	207.7	10.3	282.3	17.7	489.9	28.0	1.1 26.0	1.9 52	2.0 2.4	78.0) 2.6 104.0	28	32.36	4.80	0	0	259.3	10.9	334.0	17.1	593.3	28.0	1.2 32.4 2.0 64.9 2.5 97.3 2.7 129.8			
30	26.51	5.90	0	0	216.0	11.1	290.6	18.9	506.7	30.0	1.2 27.0	2.1 5	4.1 2.6	81.1	2.8 108.	30	31.16	4.99	0	0	269.5	11.7	344.2	18.3	613.8	30.0	1.3 33.7 2.2 67.4 2.8 101.2 2.9 134.9			
32	25.59	6.13	0	0	224.2	12.0	298.7	20.0	522.9	32.0	1.3 28.0	2.3 5	6.1 2.8	84.2	2 3.0 112.2	32	30.10	5.17	0	0	279.4	12.6	354.1	19.4	633.6	32.0	1.4 34.9 2.4 69.9 3.0 104.9 3.2 139.9			
34	24.76	6.34	0	0	232.0	12.9	306.6	21.1	538.6	34.0	1.4 29.0	2.4 5	8.1 3.0	87.1	1 3.2 116.2	34	29.13	5.35	0	0	289.0	13.5	363.7	20.5	652.7	34.0	1.5 36.2 2.5 72.3 3.2 108.5 3.4 144.7			
36	24.02	6.55	0	0	239.7	13.7	314.2	22.3	553.8	36.0	1.5 30.0	2.6 60	0.0 3.2	90.0) 3.4 120.0	36	28.25	5.52	0	0	298.4	14.4	373.0	21.6	671.4	36.0	1.6 37.3 2.7 74.7 3.4 112.0 3.6 149.4			
38	23.33	6.76	0	0	247.1	14.6	321.6	23.4	568.7	38.0	1.6 30.9	2.7 6	1.9 3.4	92.8	3 3.7 123.8	38	27.45	5.69	0	0	307.4	15.3	382.1	22.7	689.5	38.0	1.7 38.5 2.9 76.9 3.6 115.4 3.8 153.9			
40	22.71	6.96	0	0	254.3	15.5	328.8	24.5	583.1	40.0	1.7 31.8	2.9 63	3.7 3.6	95.5	5 3.9 127.4	40	26.72	5.86	0	0	316.3	16.2	390.9	23.8	707.1	40.0	1.8 39.6 3.0 79.1 3.8 118.7 4.0 158.3			
42	22.13	7.15	0	0	261.4	16.3	335.8	25.7	597.2	42.0	1.8 32.7	3.1 65	5.4 3.8	98.2	2 4.1 131.0	42	26.04	6.02	0	0	324.9	17.1	399.5	24.9	724.3	42.0	1.9 40.6 3.2 81.3 4.0 122.0 4.3 162.7			
44	21.60	7.34	0	0	268.3	17.2	342.7	26.8	611.0	44.0	1.9 33.6	3.2 6	7.2 4.0	100.	8 4.3 134.4	44	25.41	6.17	0	0	333.3	18.0	407.9	26.0	741.1	44.0	2.0 41.7 3.4 83.4 4.2 125.1 4.5 166.9			
46	21.11	7.53	0	0	275.0	18.1	349.4	27.9	624.4	46.0	2.0 34.4	3.4 68	3.9 4.2	103.	3 4.5 137.8	46	24.83	6.32	0	0	341.5	18.9	416.1	27.1	757.6	46.0	2.1 42.7 3.5 85.5 4.4 128.2 4.7 171.0			
48	20.65	7.71	0	0	281.6	19.0	356.0	29.0	637.6	48.0	2.1 35.2	3.6 70	.5 4.5	105.	8 4.7 141.	48	24.29	6.47	0	0	349.6	19.8	424.1	28.2	773.6	48.0	2.2 43.7 3.7 87.5 4.6 131.3 4.9 175.1			
50	20.22	7.89	0	0	288.1	19.9	362.4	30.1	650.5	50.0	2.2 36.1	3.7 72	2.2 4.7	108.	3 5.0 144.4	50	23.78	6.62	0	0	357.4	20.7	431.9	29.3	789.4	50.0	2.3 44.7 3.9 89.5 4.8 134.2 5.2 179.0			
52	19.82	8.06	0	0	294.4	20.7	368.7	31.3	663.1	52.0			3.7 4.9			52	23.31	6.76	0	0	365.2	21.6	439.6	30.4	804.8		2.4 45.7 4.0 91.4 5.1 137.2 5.4 182.9			
54	19.44	8.23	0	0	300.6	21.6	374.9	32.4	675.5	54.0	2.4 37.6		5.3 5.1	-		54	22.86	6.91	0	0	372.7	22.5	447.2	31.5	819.9	54.0	2.5 46.6 4.2 93.3 5.3 140.0 5.6 186.7			
56	19.09	8.40	0	0	306.7	22.5	380.9	33.5	687.7	56.0			5.8 5.3			56	22.44	7.04	0	0	380.2	23.4	454.6	32.6	834.8	56.0	2.6 47.6 4.4 95.2 5.5 142.8 5.9 190.5			
58	18.76	8.56	0	0	312.7	23.4	386.9	34.6	699.6	58.0			3.3 5.5			58	22.05	7.18	1 0	0	387.5	24.3	461.9	33.7	849.4	58.0	2.7 48.5 4.6 97.0 5.7 145.6 6.1 194.1			
60	18.44	8.73	0	0	318.6	24.3	392.7	35.7	711.4	60.0			9.8 5.7	119.8		60	21.67	7.31			394.7	25.2	469.1	34.8	863.7	60.0	2.8 49.4 4.7 98.8 5.9 148.3 6.3 197.7			
	10.74	0.15	V		0.010	27.J	1.20	1.00	111.7	00.0		u I.	1.0 0.1	11.7.0	10.1 1.0.		21.01	1.51		0	וייני	<i>د</i> ا•۲		0.7	000.1	00.0				

TYPE III (60-65 MPH) (RADIUS: 4400')

					POI	NT LAY	-OUT	CHORD OFFSET DATA										
OFFSET	E	В	A	N	E	3	0	;	C)	1/8 & 7/8		1/4 & 3/4		3/8 & 5/8		1/2	
			Х	Y	X	Y	Х	Y	Х	Y	0/S	DIST	0/S	DIST	0/S	DIST	0/S	DIST
10	67.06	2.29	0	0	175.6	3.5	250.5	6.5	426.1	10.0	0.4	21.9	0.7	43.9	0.8	65.8	0.9	87.8
12	60.34	2.54	0	0	195.3	4.3	270.2	7.7	465.5	12.0	0.5	24.4	0.8	48.8	1.0	73.2	1.1	97.7
14	55.24	2.78	0	0	213.5	5.2	288.4	8.8	501.8	14.0	0.6	26.7	1.0	53.4	1.2	80.1	1.3	106.8
16	51.22	3.00	0	0	230.4	6.0	305.3	10.0	535.7	16.0	0.7	28.8	1.1	57.6	1.4	86.4	1.5	115.2
18	47.95	3.21	0	0	246.3	6.9	321.2	11.1	567.5	18.0	0.8	30.8	1.3	61.6	1.6	92.4	1.7	123.2
20	45.22	3.41	0	0	261.4	7.8	336.3	12.2	597.7	20.0	0.9	32.7	1.5	65.4	1.8	98.1	1.9	130.8
22	42.90	3.59	0	0	275.8	8.6	350.6	13.4	626.4	22.0	0.9	34.5	1.6	69.0	2.0	103.5	2.2	137.9
24	40.91	3.77	0	0	289.5	9.5	364.3	14.5	653.8	24.0	1.0	36.2	1.8	72.4	2.2	108.6	2.4	144.8
26	39.16	3.94	0	0	302.6	10.4	377.5	15.6	680.1	26.0	1.1	37.8	2.0	75.7	2.4	113.6	2.6	151.4
28	37.62	4.11	0	0	315.3	11.3	390.1	16.7	705.4	28.0	1.2	39.4	2.1	78.9	2.7	118.3	2.8	157.8
30	36.24	4.27	0	0	327.5	12.2	402.3	17.8	729.9	30.0	1.3	41.0	2.3	81.9	2.9	122.9	3.1	163.9
32	35.01	4.42	0	0	339.4	13.1	414.2	18.9	753.5	32.0	1.4	42.4	2.5	84.9	3.1	127.4	3.3	169.8
34	33.90	4.57	0	0	350.8	14.0	425.6	20.0	776.4	34.0	1.5	43.9	2.6	87.8	3.3	131.7	3.5	175.6
36	32.88	4.72	0	0	362.0	14.9	436.7	21.1	798.7	36.0	1.6	45.3	2.8	90.6	3.5	135.8	3.7	181.1
38	31.95	4.86	0	0	372.8	15.8	447.5	22.2	820.4	38.0	1.7	46.6	3.0	93.3	3.7	139.9	4.0	186.6
40	31.10	5.00	0	0	383.4	16.7	458.1	23.3	841.4	40.0	1.8	47.9	3.1	95.9	3.9	143.9	4.2	191.9
42	30.31	5.13	0	0	393.7	17.6	468.4	24.4	862.0	42.0	1.9	49.2	3.3	98.5	4.1	147.8	4.4	197.0
44	29.59	5.26	0	0	403.7	18.6	478.4	25.4	882.1	44.0	2.0	50.5	3.5	101.0	4.4	151.5	4.6	202.1
46	28.91	5.39	0	0	413.5	19.5	488.2	26.5	901.7	46.0	2.1	51.7	3.7	103.5	4.6	155.2	4.9	207.0
48	28.28	5.52	0	0	423.1	20.4	497.8	27.6	920.9	48.0	2.2	52.9	3.8	105.9	4.8	158.8	5.1	211.8
50	27.68	5.64	0	0	432.6	21.3	507.2	28.7	939.7	50.0	2.3	54.1	4.0	108.2	5.0	162.4	5.3	216.5
52	27.13	5.76	0	0	441.8	22.2	516.4	29.8	958.2	52.0	2.4	55.3	4.2	110.6	5.2	165.9	5.6	221.2
54	26.61	5.88	0	0	450.8	23.2	525.4	30.8	976.3	54.0	2.5	56.4	4.3	112.8	5.4	169.3	5.8	225.7
56	26.12	6.00	0	0	459.7	24.1	534.3	31.9	994.0	56.0	2.6	57.5	4.5	115.0	5.6	172.6	6.0	230.2
58	25.65	6.11	0	0	468.4	25.0	543.0	33.0	1011.5	58.0	2.7	58.6	4.7	117.2	5.9	175.9	6.3	234.6
60	25.21	6.22	0	0	477.0	25.9	551.6	34.1	1028.6	60.0	2.8	59.7	4.9	119.4	6.1	179.1	6.5	238.9



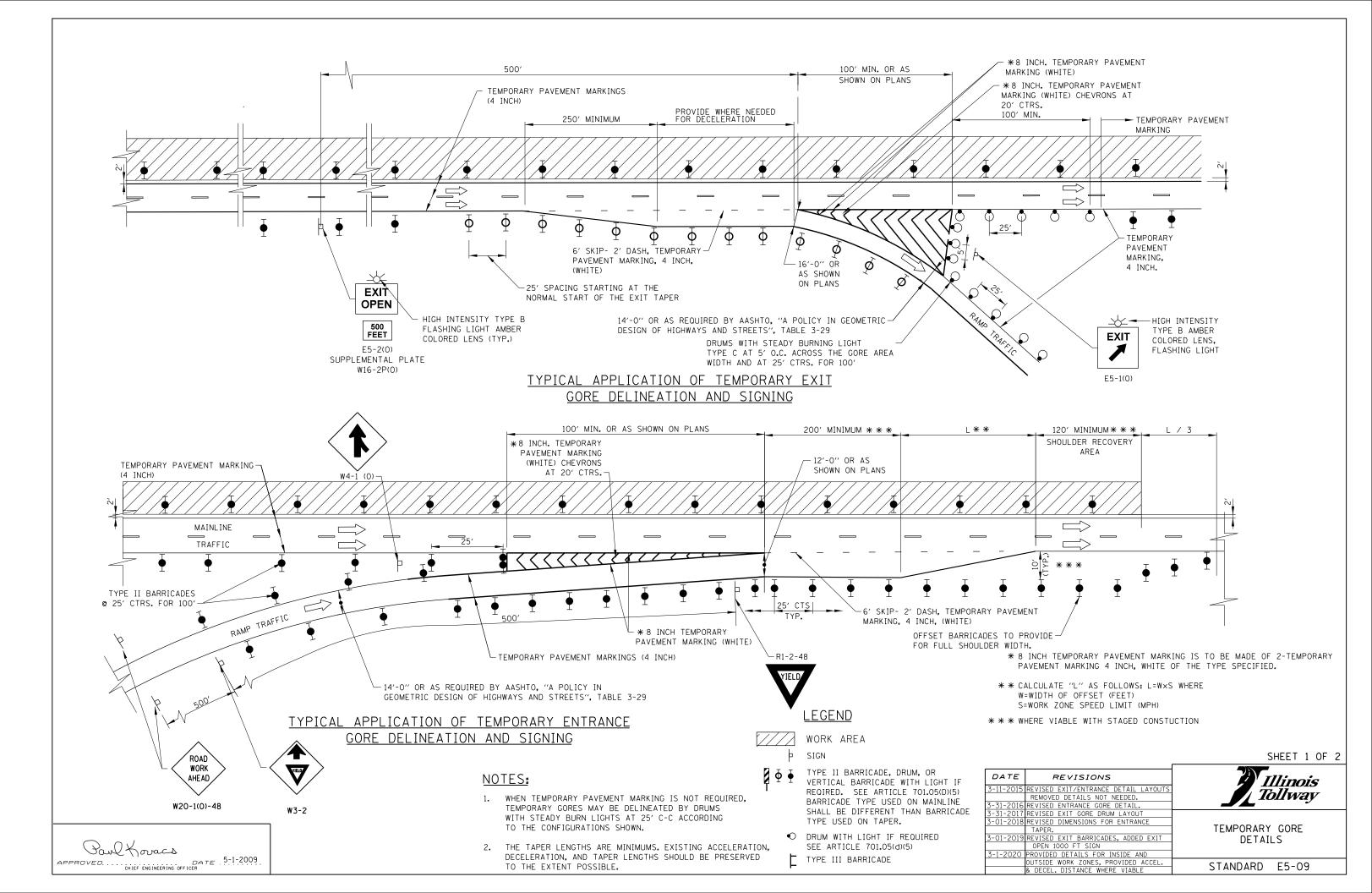
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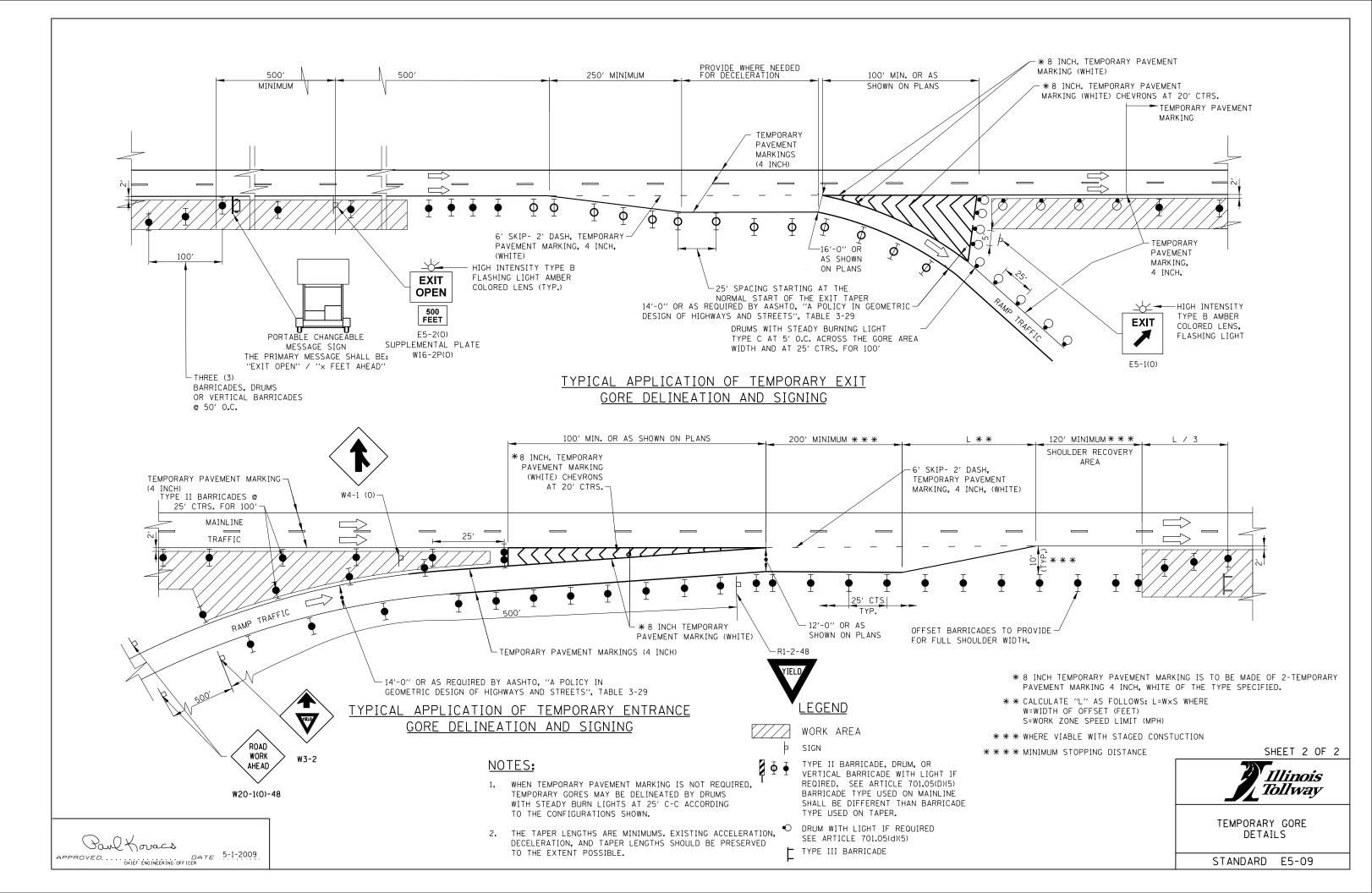
SHEET 2 OF 2

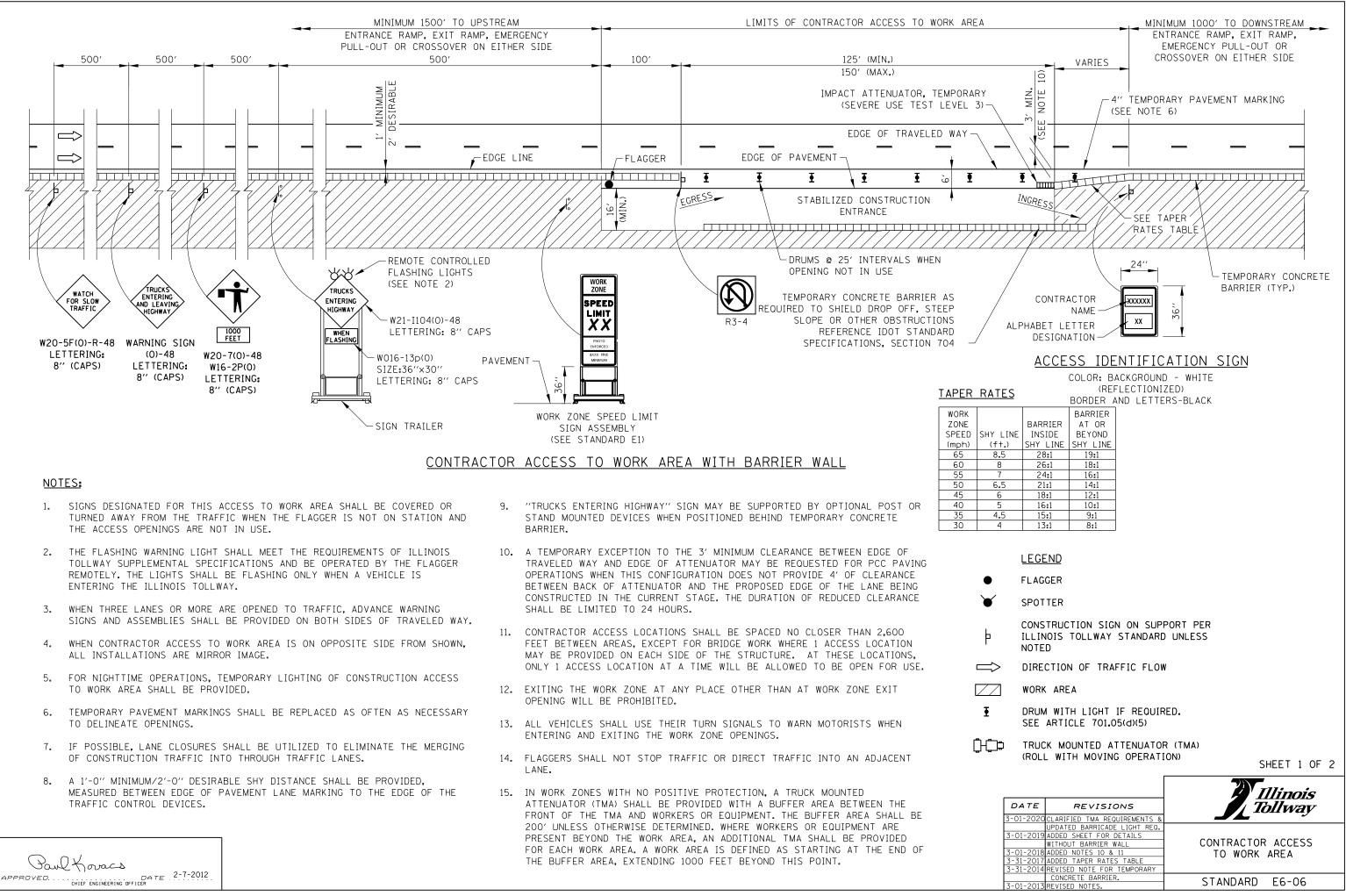
Illinois Tollway

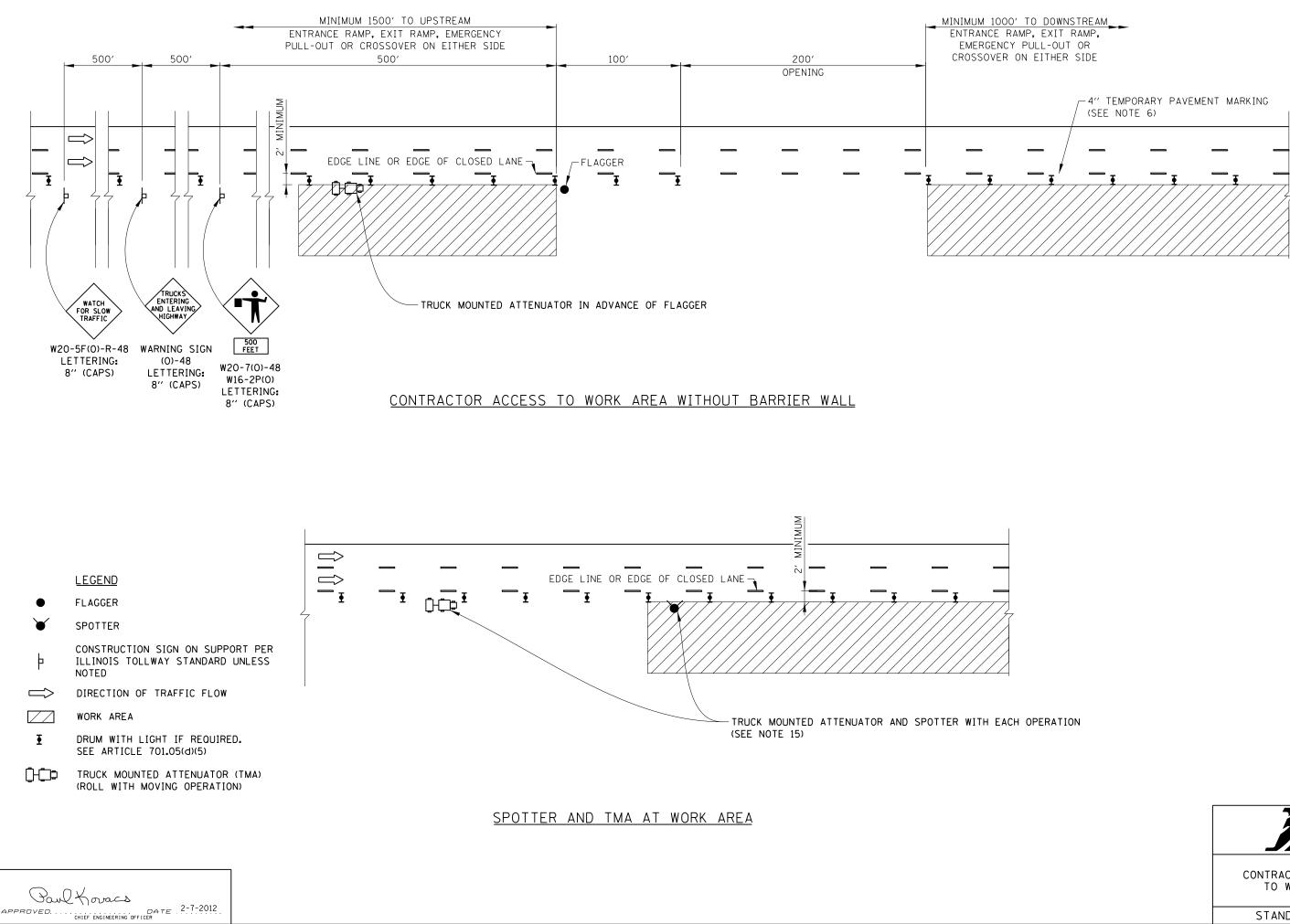
MAINTENANCE OF TRAFFIC REVERSE CURVE

STANDARD E4-07









SHEET 2 OF 2

Illinois Tollway

CONTRACTOR ACCESS TO WORK AREA

STANDARD E6-06

