

066

06-14-2019 LETTING ITEM 066

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

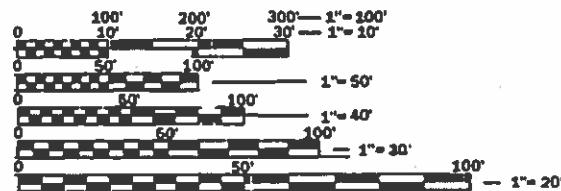
F.A.P. REF.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(108)RS-5	KENDALL	43	1
ILLINOIS			CONTRACT NO. 66J56	

INDEX OF SHEETS

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- 26-30 DETECTOR LOOP PLAN
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LIST OF ILLINOIS DOT HIGHWAY STANDARDS

- 000001-07 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
- 001001-02 AREAS OF REINFORCEMENT BARS
- 001006 DECIMAL OF AN INCH AND OF A FOOT
- 406201-01 MAILBOX TURNOUT
- 424001-11 PERPENDICULAR CURB RAMPS FOR SIDEWALKS
- 424006-04 DIAGONAL CURB RAMPS FOR SIDEWALKS
- 424011-04 CORNER PARALLEL CURB RAMPS FOR SIDEWALKS
- 424021-05 DEPRESSED CORNER FOR SIDEWALKS
- 701001-02 OFF-ROAD OPERATIONS 2L, 2W, MORE THAN 15' (4.5 m) AWAY
- 701006-05 OFF-ROAD OPERATIONS 2L, 2W, 15' (4.5 m) TO 24' (600 mm) FROM PAVEMENT EDGE
- 701201-05 LANE CLOSURE 2L, 2W, DAY ONLY, FOR SPEEDS  $\geq$  45 MPH
- 701206-05 LANE CLOSURE 2L, 2W, NIGHT ONLY, FOR SPEEDS  $\geq$  45 MPH
- 701301-04 LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
- 701306-04 LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS  $\geq$  45 MPH
- 701311-03 LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY
- 701701-10 URBAN LANE CLOSURE, MULTILANE INTERSECTION
- 701801-06 SIDEWALK, CORNER OR CROSSWALK CLOSURE
- 701901-08 TRAFFIC CONTROL DEVICES
- 780001-05 TYPICAL PAVEMENT MARKINGS
- 781001-04 TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
- 857001-01 STANDARD PHASE DESIGNATION DIAGRAMS AND PHASE SEQUENCES
- 873001-02 TRAFFIC SIGNAL GROUNDING & BONDING
- 876001-04 PEDESTRIAN PUSH BUTTON POST
- 886001-01 DETECTOR LOOP INSTALLATIONS
- 886006-01 TYPICAL LAYOUT FOR DETECTION LOOPS



FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

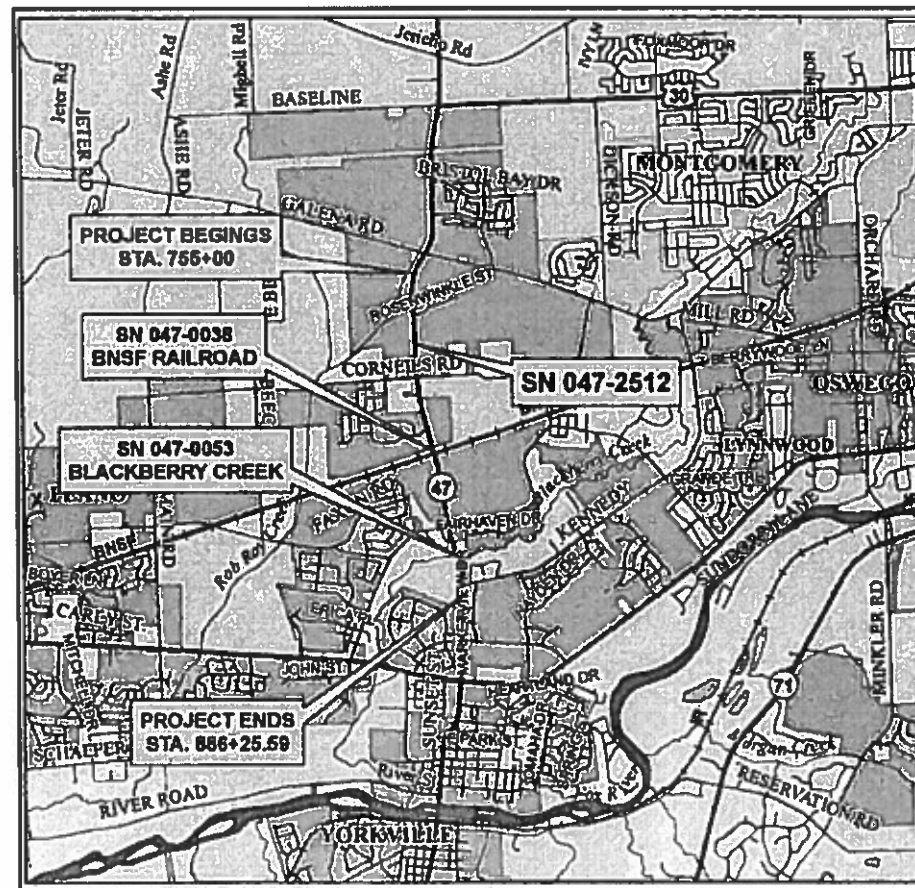
J.U.L.I.E.  
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION  
1-800-392-0123  
OR 811

PROJECT ENGINEER: BRAD DUNCAN, PE  
UNIT CHIEF: JESSY JEAN  
DISTRICT 3 NO. (815) 434-6131  
CONTRACT NO. 66J56

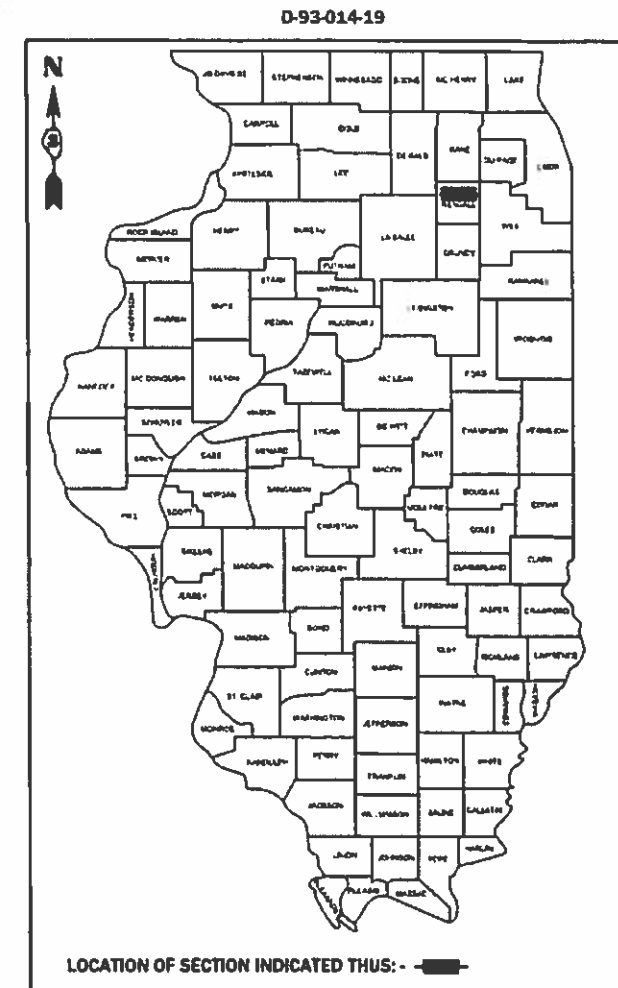
PROPOSED  
HIGHWAY PLANS

F.A.P. ROUTE 326/IL 47  
SECTION (108)RS-5  
PROJECT: NHPP-TVD0(899)  
3P MILLING AND RESURFACING  
KENDALL COUNTY

C-93-034-19



GROSS LENGTH = 13,125.59 FT. = 2.486 MILE  
NET LENGTH = 12,928.62 FT. = 2.449 MILE



LOCATION OF SECTION INDICATED THIS: -

FUNCTIONAL CLASSIFICATION:

OTHER ARTERIAL

2017 ADT = 17500

P.V. = 86.79% S.U. = 6.54% M.U. = 6.67%

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUBMITTED March 21 2019  
Karin Harshbarger  
REGIONAL ENGINEER

May 10 2019  
[Signature]  
ENGINEER OF DESIGN AND ENVIRONMENT

May 10 2019  
[Signature]  
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

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OF THE STATE OF ILLINOIS

**GENERAL NOTES**

THE THICKNESS OF HMA SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE HMA IS PLACED.

THE HMA SURFACE OF ALL MAILBOX TURNOUTS, PRIVATE ENTRANCES, COMMERCIAL ENTRANCES, AND SIDE ROADS SHALL BE MADE NEATLY, IN A WORKMANLIKE MANNER, AND SHALL ACCURATELY CONFORM TO THE SHAPES AND DIMENSIONS SHOWN ON THE PLAN DETAILS. IF REQUIRED BY THE ENGINEER, THE CONTRACTOR SHALL SAW CUT THE HMA SURFACE TO CONFORM TO THE SHAPES AND DIMENSIONS SHOWN ON THE PLAN DETAILS. THIS WORK WILL BE INCLUDED IN THE COST OF THE HMA SURFACE.

THE ENGINEER WILL BE THE SOLE JUDGE CONCERNING CURING TIME FOR THE VARIOUS HMA LIFTS.

SEEDING WILL NOT BE PERMITTED AT ANY TIME WHEN THE GROUND IS FROZEN, WET, OR IN AN UNTILLABLE CONDITION. LOCATIONS TO BE SEEDED WILL BE DETERMINED BY THE ENGINEER.

THE FINISHED EARTHWORK SHALL HAVE A VEGETATION SUSTAINING SOIL COVERING THE TOP FOUR INCHES ( 100 MILLIMETERS) IN AREAS TO BE SEEDED OR SODDED. THE VEGETATION SUSTAINING SOIL REQUIRED WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE COST OF PCC SIDEWALK 4 INCH.

ALL EXCAVATED MATERIAL, WHICH INCLUDES DIGGING OR GRADING OF ANY SOIL OR FILL MATERIAL, WITH THE EXCEPTION OF AGGREGATE FILLS, MUST BE INCORPORATED WITHIN THE IDOT RIGHT OF WAY DUE TO ENVIRONMENTAL DOCUMENTATION REQUIREMENTS.

DETECTABLE WARNING SURFACES SHALL EXTEND 2.0 FT MINIMUM IN THE DIRECTION OF PEDESTRIAN TRAVEL. AT CURB RAMPS AND BLENDED TRANSITIONS, DETECTABLE WARNING SURFACES SHALL EXTEND THE FULL WIDTH OF THE RAMP RUN (EXCLUDING ANY FLARES) OR BLENDED TRANSITIONS. SOME DETECTABLE WARNING PRODUCTS REQUIRE A CONCRETE BORDER FOR PROPER INSTALLATION. THE CONCRETE BORDER SHALL NOT EXCEED 2 INCHES.

ABANDONED UNDERGROUND UTILITIES THAT CONFLICT WITH CONSTRUCTION SHALL BE DISPOSED OF OUTSIDE THE LIMITS OF THE RIGHT OF WAY ACCORDING TO ARTICLE 202.03 OF THE STANDARD SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT WILL BE INCLUDED IN THE COST OF FURNISHED EXCAVATION.

ANY REFERENCE TO A STANDARD IN THESE PLANS SHALL BE INTERPRETED TO MEAN THE EDITION AS INDICATED BY THE SUBNUMBER SHOWN IN THE LIST OF STANDARDS OR THE COPY INCLUDED IN THESE PLANS.

THE FOLLOWING RATES OF APPLICATION HAVE BEEN USED IN CALCULATING PLAN QUANTITIES:

GRANULAR MATERIALS	2.05	TONS / CU YD
HMA RESURFACING	112	LBS / SQ YD / IN
SHORT TERM PAVEMENT MARKING	10	FT / 100 FT OF APPLICATION
MIX FOR CRACKS, JTS & FLGWYS	0.0003	TONS / SQ YD
LEVEL BINDER (HAND METHOD)	0.0005	TONS / SQ YD

THE CONTRACTOR SHALL CONTACT JULIE AT LEAST 48 HOURS PRIOR TO EXCAVATION TO DETERMINE WHICH UTILITIES ARE IN THE AREA.

40 FEET OF B.6-24 CURB INCLUDED WITH ADA SCHEDULE TO BE USED FOR CURB REPAIR THROUGHOUT PROJECT LIMITS

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DISTRICT THREE  
AS BUILT INFORMATION

\_\_\_\_\_  
SUPERVISING CONSTRUCTION FIELD ENGINEER

\_\_\_\_\_  
RESIDENT ENGINEER / TECHNICIAN

START & END DATES  
OF CONSTRUCTION:

INSPECTORS:

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DISTRICT THREE

PREPARED BY: *Dr. Benic*  
DISTRICT STUDIES & PLANS ENGINEER

DATE: 3-20-19

EXAMINED BY: *Kyle Vesper*  
DISTRICT CONSTRUCTION ENGINEER

*Michael Short*  
DISTRICT MATERIALS ENGINEER

*Tom Hozal*  
DISTRICT OPERATIONS ENGINEER

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE:	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(108)RS-5	KENDALL	43	2
CONTRACT NO.			66J56	
ILLINOIS FED. AID PROJECT				

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CONSTR. CODE

80% FEDERAL  
20% STATE  
ROADWAY  
0005  
URBAN

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	
20400800	FURNISHED EXCAVATION	CU YD	10	10
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	80	80
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	37522	37522
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	16	16
40600537	LEVELING BINDER (HAND METHOD), IL-9.5FG, N70	TON	26	26
40600637	LEVELING BINDER (MACHINE METHOD), IL-9.5FG, N70	TON	1850	1850
40600990	TEMPORARY RAMP	SQ YD	671	671
40603345	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N90	TON	3605	3605
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	87	87
42400100	PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	SQ FT	680	680
* 42400800	DETECTABLE WARNINGS	SQ FT	62	62
44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SQ YD	1601	1601
44000158	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"	SQ YD	54145	54145
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	187	187

\* SPECIALTY ITEMS

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**

SCALE: SHEET 1 OF 5 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(108)RS-5	KENDALL	43	3
			CONTRACT NO. 66J56	
			ILLINOIS FED. AID PROJECT	

CONSTR. CODE

80% FEDERAL  
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ROADWAY  
0005  
URBAN

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	
44000600	SIDEWALK REMOVAL	SQ FT	643	643
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	659	659
48203100	HOT-MIX ASPHALT SHOULDERS	TON	1419	1419
60260100	INLETS TO BE ADJUSTED	EACH	1	1
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	187	187
* 66700205	PERMANENT SURVEY MARKERS, TYPE I	EACH	2	2
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	3	3
67100100	MOBILIZATION	L SUM	1	1
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1	1
70100455	TRAFFIC CONTROL AND PROTECTION, STANDARD 701206	L SUM	1	1
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1	1
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	1
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1	1
70200100	NIGHTTIME WORK ZONE LIGHTING	L SUM	1	1

\* SPECIALTY ITEMS

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	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**

SCALE: SHEET 2 OF 5 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(108)RS-5	KENDALL	43	4
CONTRACT NO. 66J56				
ILLINOIS FED. AID PROJECT				

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80% FEDERAL  
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ROADWAY  
0005  
URBAN

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	
70300100	SHORT TERM PAVEMENT MARKING	FOOT	3602	3602
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	1201	1201
70300210	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS	SQ FT	655.2	655.2
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	112175	112175
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	1260	1260
70300250	TEMPORARY PAVEMENT MARKING - LINE 8"	FOOT	6957	6957
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	3480	3480
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	866	866
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	748.8	748.8
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	58679	58679
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	1203	1203
* 78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	3483	3483
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	1031	1031
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	433	433

\* SPECIALTY ITEMS

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**

SCALE: SHEET 3 OF 5 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(108)RS-5	KENDALL	43	5
CONTRACT NO. 66J56			ILLINOIS FED. AID PROJECT	

CONSTR. CODE

80% FEDERAL  
20% STATE  
ROADWAY  
0005  
URBAN

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	398	398
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	398	398
* 81028340	UNDERGROUND CONDUIT, PVC, 1 1/2" DIA.	FOOT	42	42
* 87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	305	305
* 87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO.6 1C	FOOT	315	315
* 87600100	PEDESTRIAN PUSH-BUTTON POST, TYPE I	EACH	2	2
* 87900200	DRILL EXISTING HANDHOLE	EACH	1	1
* 88600100	DETECTOR LOOP, TYPE I	FOOT	3978	3978
* 88800100	PEDESTRIAN PUSH-BUTTON	EACH	2	2
* 89500400	RELOCATE EXISTING PEDESTRIAN PUSH-BUTTON	EACH	6	6
* 89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	4	4
* 89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	12	12
* 89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1	1
* X0327980	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	61249	61249

\* SPECIALTY ITEMS

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**

SCALE: SHEET 4 OF 5 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(108)RS-5	KENDALL	43	6
			CONTRACT NO. 66J56	
			ILLINOIS FED. AID PROJECT	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE	
				80% FEDERAL 20% STATE ROADWAY	0005 URBAN
* X6030310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	8	8	
* X7830076	GROOVING FOR RECESSED PAVEMENT MARKING 9"	FOOT	3483	3483	
* X7830090	GROOVING FOR RECESSED PAVEMENT MARKING 25"	FOOT	388	388	
* X8860100	LOOP DETECTOR TESTING	EACH	2	2	
Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	42	42	
Z0033700	LONGITUDINAL JOINT SEALANT	FOOT	19463	19463	
Z0034105	MATERIAL TRANSFER DEVICE	TON	5107	5107	
Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1	1	

\* SPECIALTY ITEMS

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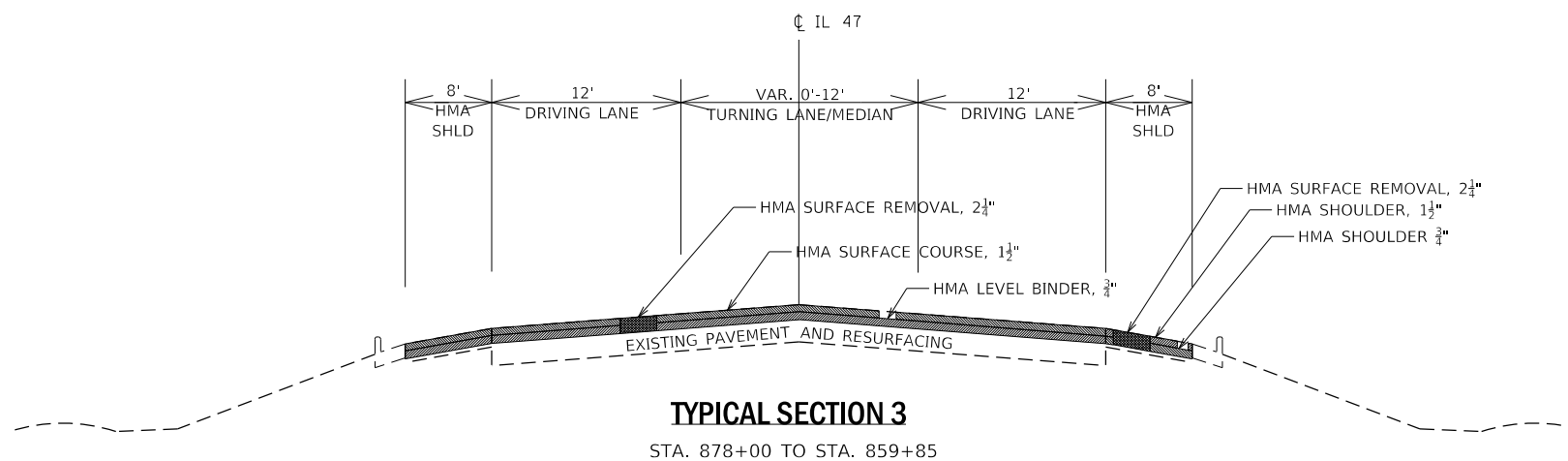
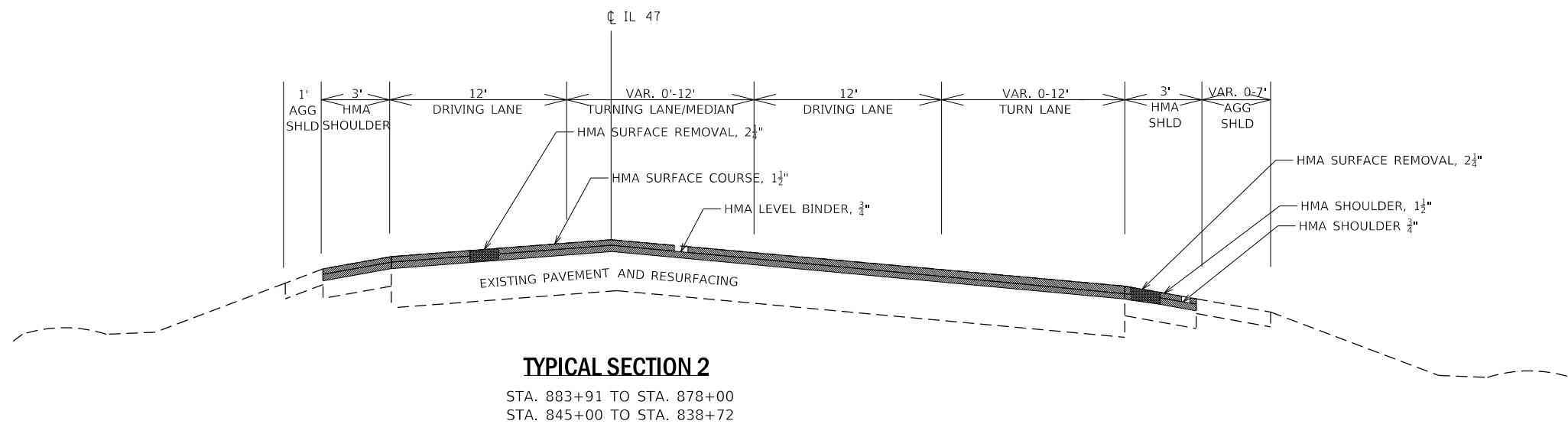
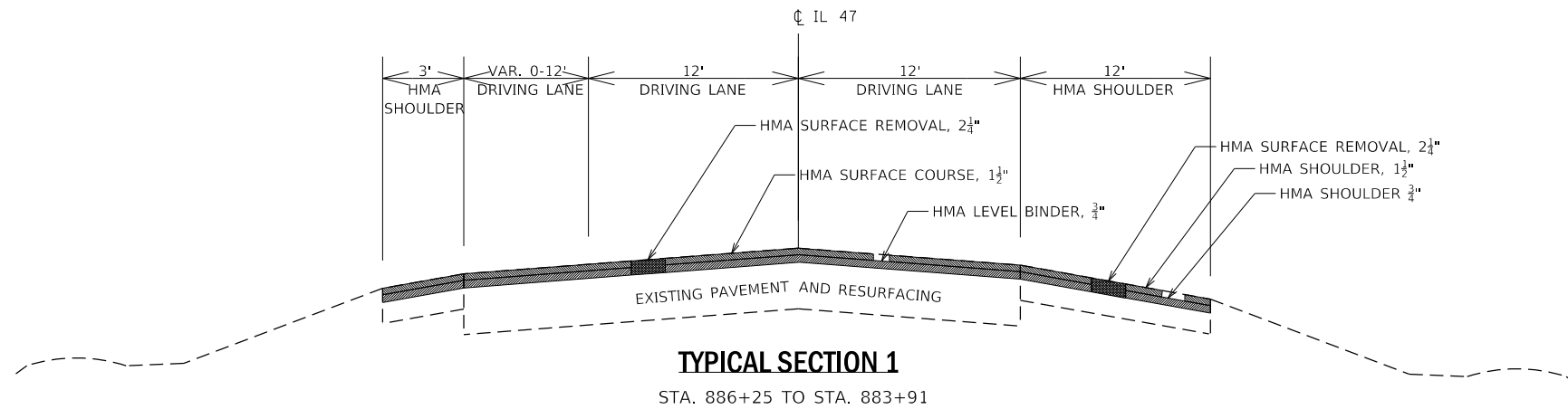
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**

SCALE: SHEET 5 OF 5 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(108)RS-5	KENDALL	43	7
			CONTRACT NO. 66J56	
		ILLINOIS FED. AID PROJECT		

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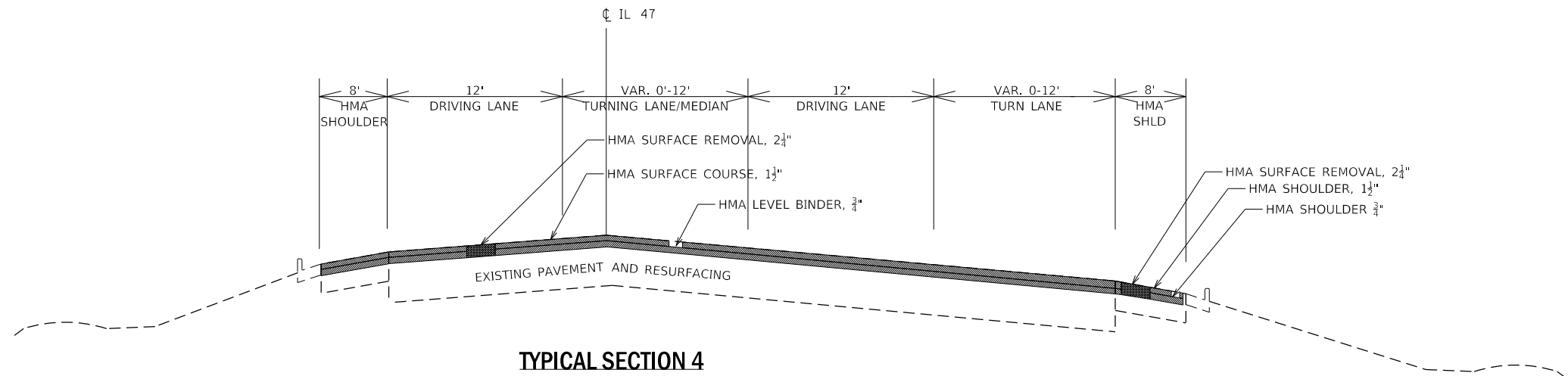
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>TYPICAL SECTIONS</b>	
SCALE: 1"=50'	SHEET 1 OF 4 SHEETS
STA.	TO STA.

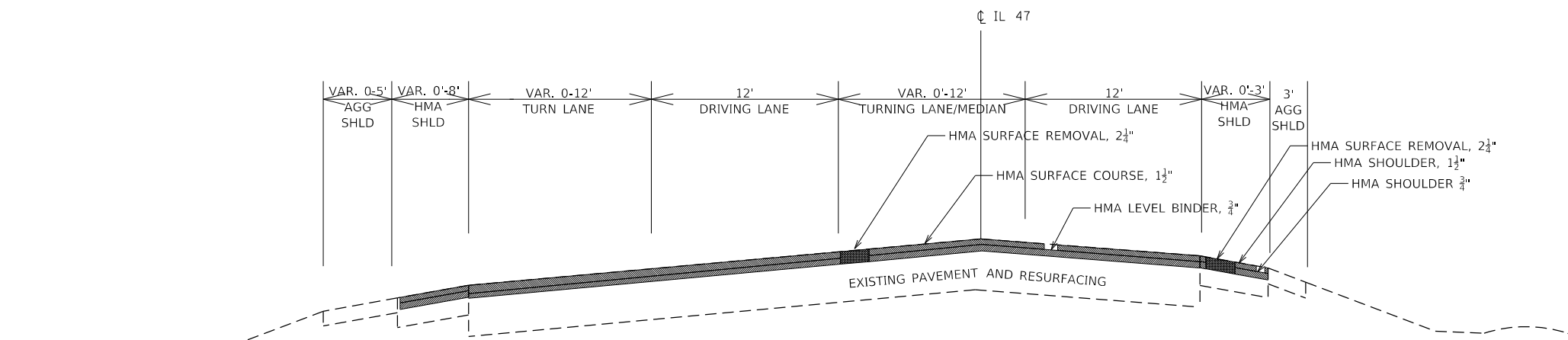
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326	(108)RS-5	KENDALL	43	8
CONTRACT NO. 66J56				
ILLINOIS FED. AID PROJECT				





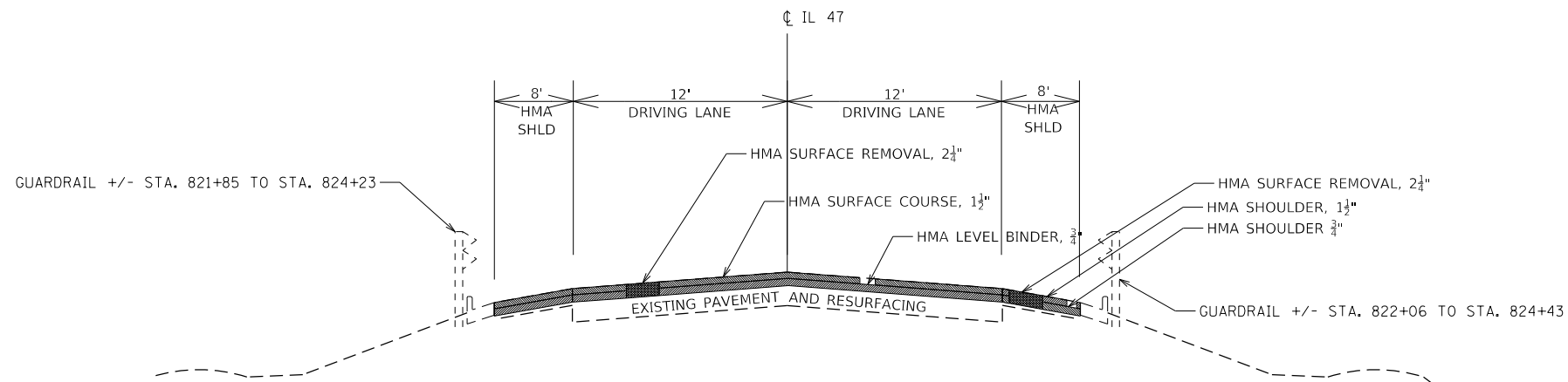
**TYPICAL SECTION 4**

STA. 869+85 TO STA. 853+87



**TYPICAL SECTION 5**

STA. 853+87 TO STA. 845+00  
STA. 838+72 TO STA. 833+00



**TYPICAL SECTION 6**

STA. 833+00 TO STA. 820+86

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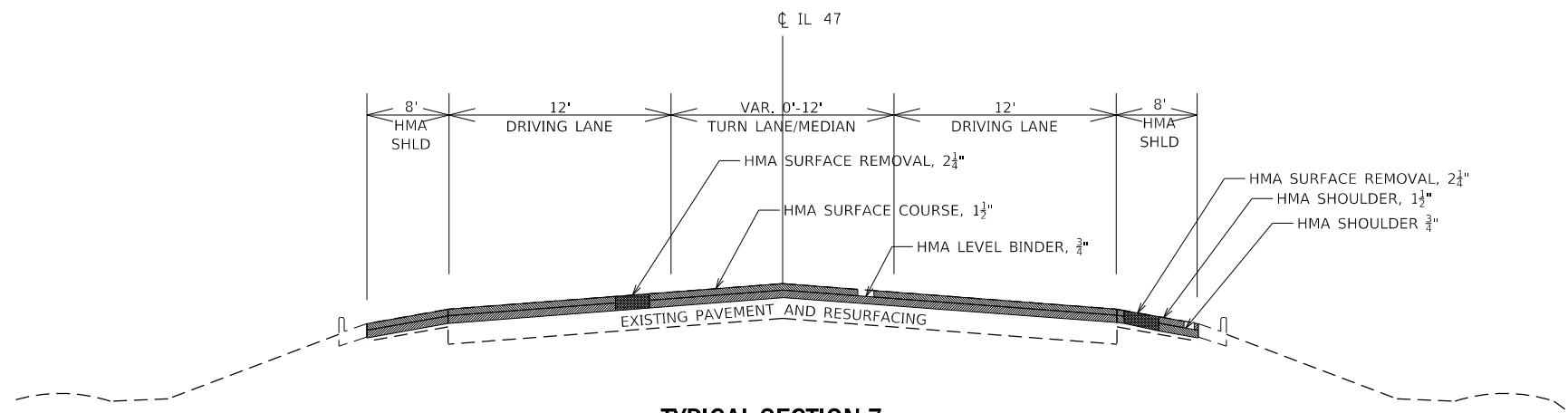
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

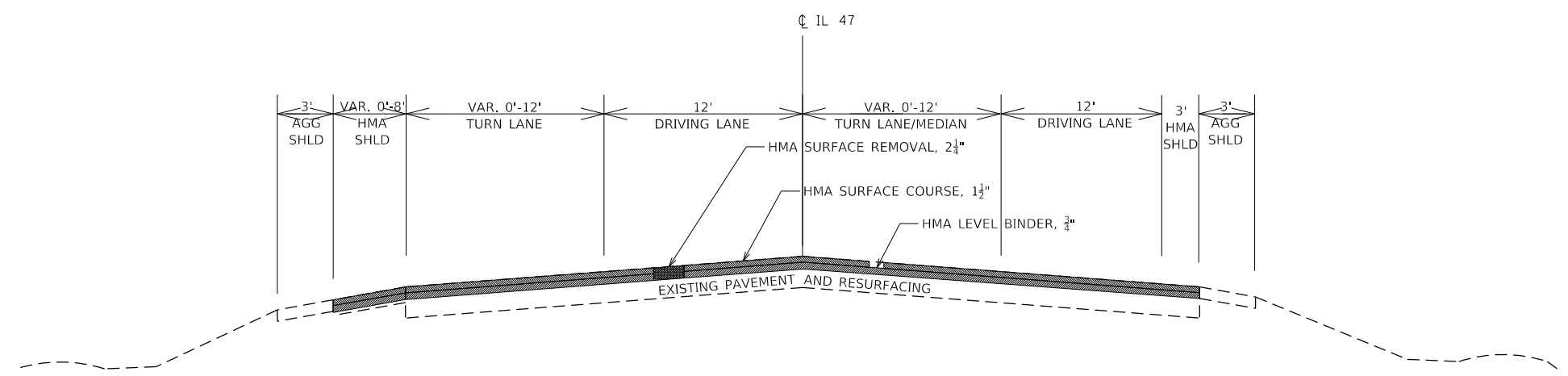
**TYPICAL SECTIONS**

SCALE: 1"=50' SHEET 2 OF 4 SHEETS STA. TO STA.

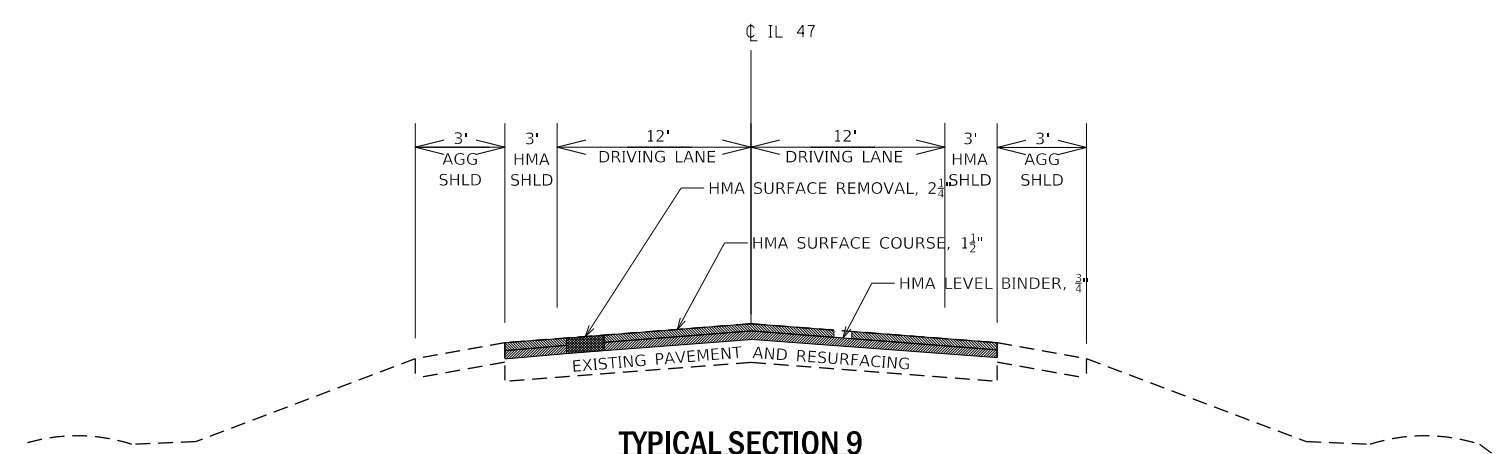
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326	(108)RS-5	KENDALL	43	9
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**TYPICAL SECTION 7**  
STA. 820+86 TO STA. 816+81



**TYPICAL SECTION 8**  
STA. 816+81 TO STA. 807+47



**TYPICAL SECTION 9**  
STA. 807+47 TO STA. 775+59

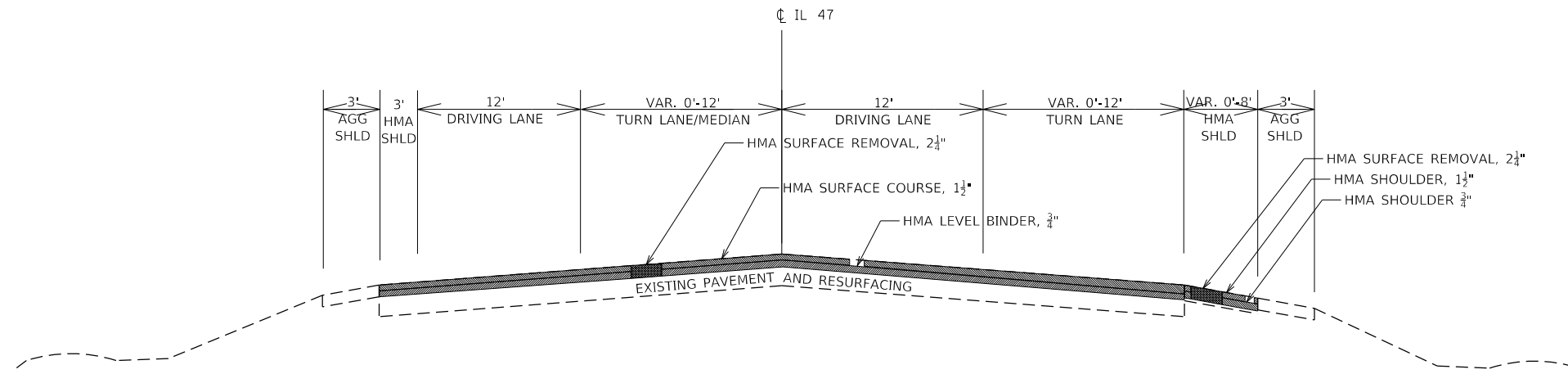
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TYPICAL SECTIONS**  
SCALE: 1"=50' SHEET 3 OF 4 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(108)RS-5	KENDALL	43	10
CONTRACT NO. 66J56				
ILLINOIS FED. AID PROJECT				



**TYPICAL SECTION 10**

STA. 807+47 TO STA. 756+51

HMA MIXTURE REQUIREMENT TABLE					
LOCATION(S):	ENTIRE PROJECT	ENTIRE PROJECT	ENTIRE PROJECT	ENTIRE PROJECT	ENTIRE PROJECT
MIXTURE USE(S):	INCIDENTAL HMA	HMA LEVEL BINDER	HMA SURFACE	HMA SHOULDER BOTTOM LIFT(S)	HMA SHOULDER TOP LIFT
BINDER GRADE (PG):	PG64-22	PG64-22	PG64-22	PG64-22	PG64-22
DESIGN AIR VOIDS:	4.0% @ N50	4.0% @ N70	4.0% @ N90	4.0% @ N50	4.0% @ N50
MIXTURE COMPOSITION: (MIXTURE GRADATION)	IL 9.5	IL 9.5FG	IL 9.5	IL 19.0	IL 9.5
FRICTION AGGREGATE:	MIXTURE C		MIXTURE D		
MIXTURE WEIGHT:	112.0 LB/SY/IN	112.0 LB/SY/IN	112.0 LB/SY/IN	112.0 LB/SY/IN	112.0 LB/SY/IN
QUALITY MANAGEMENT PROGRAM:	QCQA	QCQA	QCP	QCQA	QCQA
SUBLOT SIZE:	NA	NA	1000 TONS	NA	NA
DENSITY TEST METHOD:	SATISFACTION OF ENGINEER	GROWTH CURVE	CORES	CORES	CORES

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TYPICAL SECTIONS**

SCALE: 1"=50' SHEET 4 OF 4 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(108)RS-5	KENDALL	43	11
CONTRACT NO. 66J56				
ILLINOIS FED. AID PROJECT				

**MAINLINE SCHEDULE**

STA	TO STA	LENGTH FEET	MAIN LINE AREA SQ YD	PAVED SHLD AREA SQ YD	HMA SURF REM 2 1/4" SQ YD	BIT MATERIALS (TACK COAT) POUND	HMA SURF N90 MIX "D" 1 1/2" TON	LVL BIND N70 (MM) 1L-9.5FG 3/4" TON	HMA SHLD LVL BIND N50 3/4" TON	HMA SHLD SURF N50 1 1/2" TON	LEVEL BIND HM TON	MIX CR. JT. & FLGWY TON	AGG WEDGE SHLDS TYP B TON	TEMP RAMP SQ YD	LONG JOINT SEAL FOOT	
886+25	TO 883+89	236	1166.89	354.0	1521	1027	98.02	49.01	14.87	29.74	0.76	0.46	13.44	68	472	
883+89	TO 882+34	155	706.11	137.8	844	570	59.31	29.66	5.79	11.57	0.42	0.25	8.83		310	
882+34	TO 880+36	198	1045.00	132.0	1177	794	87.78	43.89	5.54	11.09	0.59	0.35	11.28		594	
880+36	TO 878+42	194	1142.44	150.9	1293	873	95.97	47.98	6.34	12.67	0.65	0.39	11.05		582	
878+42	TO 877+29	113	596.39	87.9	684	462	50.10	25.05	3.69	7.38	0.34	0.21	6.43		339	
877+29	TO 875+25	204	906.67	317.3	1224	826	76.16	38.08	13.33	26.66	0.61	0.37	11.62		408	
875+25	TO 873+28	197	831.78	262.7	1094	739	69.87	34.93	11.03	22.06	0.55	0.33	11.22		394	
873+28	TO 871+86	142	489.11	220.9	710	479	41.09	20.54	9.28	18.55	0.36	0.21	8.09		284	
871+86	TO 866+49.70	536	1430.13	953.4	2384	1609	120.13	60.07	40.04	80.09	1.19	0.72	30.54	33	536	
866+49.70	TO 864+52.73	197	BRIDGE OMISSION													
864+52.73	TO 859+85	468	1247.28	831.5	2079	1403	104.77	52.39	34.92	69.85	1.04	0.62	26.63	33	468	
859+85	TO 855+66	419	1815.67	512.1	2328	1571	152.52	76.26	21.51	43.02	1.16	0.70	23.86		1257	
855+66	TO 854+35	131	829.67	87.3	917	619	69.69	34.85	3.67	7.34	0.46	0.28	7.46		393	
854+35	TO 853+23	112	721.78	0.0	722	487	60.63	30.31	0	0	0.36	0.22	6.38		336	
853+23	TO 852+23	100	566.67	55.6	622	420	47.60	23.80	2.33	4.67	0.31	0.19	5.69		300	
852+23	TO 850+64	159	706.67	141.3	848	572	59.36	29.68	5.94	11.87	0.42	0.25	9.05		477	
850+64	TO 848+28	236	760.44	157.3	918	620	63.88	31.94	6.61	13.22	0.46	0.28	13.44		472	
848+28	TO 847+23	105	280.00	70.0	350	236	23.52	11.76	2.94	5.88	0.18	0.11	5.98	33	105	
847+23	TO 841+80	543	PAVING OMISSION													
841+80	TO 841+20	60	*NOTE 1	33.3			0	0	1.40	2.80	0.02	0.01	3.42			
841+20	TO 833+00	820	PAVING OMISSION													
833+00	TO 831+00	200	533.33	133.3	667	450	44.80	22.40	5.60	11.20	0.33	0.20	11.39	33	200	
831+00	TO 820+79	1021	2722.67	1815.1	4538	3063	228.70	114.35	76.23	152.47	2.27	1.36	58.14		1021	
820+79	TO 818+48	231	770.00	410.7	1181	797	64.68	32.34	17.25	34.50	0.59	0.35	13.15		462	
818+48	TO 816+17	231	924.00	359.3	1283	866	77.62	38.81	15.09	30.18	0.64	0.39	13.15		462	
816+17	TO 815+19	98	392.00	119.8	512	345	32.93	16.46	5.03	10.06	0.26	0.15	5.58		196	
815+19	TO 813+76	143	643.50	79.4	723	488	54.05	27.03	3.34	6.67	0.36	0.22	8.14		286	
813+76	TO 812+63	113	583.83	37.7	622	420	49.04	24.52	1.58	3.16	0.31	0.19	6.43		339	
812+63	TO 807+54	509	2036.00	339.3	2375	1603	171.02	85.51	14.25	28.50	1.19	0.71	28.98		1018	
807+54	TO 775+59	3195	8520.00	2130.0	10650	7189	715.68	357.84	89.46	178.92	5.33	3.20	181.94		3195	
775+59	TO 770+83	476	1586.67	317.3	1904	1285	133.28	66.64	13.33	26.66	0.95	0.57	27.11		952	
770+83	TO 768+58	225	1050.00	150.0	1200	810	88.20	44.10	6.30	12.60	0.60	0.36	12.81		675	
768+58	TO 766+16	242	1290.67	161.3	1452	980	108.42	54.21	6.78	13.55	0.73	0.44	13.78		726	
766+16	TO 764+94	122	637.11	40.7	678	458	53.52	26.76	1.71	3.42	0.34	0.20	6.95		366	
764+94	TO 763+64	130	592.22	86.7	679	458	49.75	24.87	3.64	7.28	0.34	0.20	7.40		260	
763+64	TO 760+24	340	1360.00	226.7	1587	1071	114.24	57.12	9.52	19.04	0.79	0.48	19.36		680	
760+24	TO 756+50	374	1246.67	249.3	1496	1010	104.72	52.36	10.47	20.94	0.75	0.45	21.30		748	
756+50	TO 755+00	150	400.00	100.0	500	338	33.60	16.80	4.20	8.40	0.25	0.15	8.54	33	150	
<b>TOTAL</b>			<b>13125</b>	<b>40531</b>	<b>11262</b>	<b>51760</b>	<b>34938</b>	<b>3405</b>	<b>1702</b>	<b>473</b>	<b>946</b>	<b>26</b>	<b>16</b>	<b>659</b>	<b>235</b>	<b>19463</b>

\*NOTE 1: ONLY MILL AND RESURFACE LT SHOULDER FAILURE +/- 60' x 5'

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	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>SCHEDULES</b>	
SCALE:	SHEET 1 OF 5 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(108)RS-5	KENDALL	43	12
CONTRACT NO. 66J56				
ILLINOIS FED. AID PROJECT				

ADA SCHEDULE						
DESCRIPTION	COMB CURB & GUTTER REM	SIDEWALK REMOVAL	COMB CONC C&G TYP. B.6-24	PCC SIDEWALK 4 INCH	DETECTABLE WARNINGS	INLETS TO BE ADJ
	FOOT	SQ FT	FOOT	SQ FT	SQ FT	EACH
CANNONBALL TRAIL						
NW QUAD	47	347	47	353	26	1
SW QUAD	53	243	53	274	22	
NE QUAD	24		24			
SE QUAD	23	53	23	53	14	
CURB REPAIR*	40		40			
TOTAL	187	643	187	680	62	1

\*40 FEET OF CURB REPAIR TO BE USED AS NECESSARY ON MAINLINE THROUGHOUT PROJECT LIMITS

ADA SCHEDULE - LANDSCAPING						
DESCRIPTION	FURN EXC	SEEDING CLASS 1A	NITROGEN FERTILIZER NUTRIENT	PHOSPHORUS FERTILIZER NUTRIENT	POTASSIUM FERTILIZER NUTRIENT	EROSION CONTROL BLANKET
	CU YD	ACRE	POUND	POUND	POUND	SQ YD
CANNONBALL TRAIL						
NW QUAD	0.7	0.001	0.11	0.11	0.11	6.0
SW QUAD	2.5	0.005	0.43	0.43	0.43	22.9
NE QUAD	1.0	0.002	0.17	0.17	0.17	9.2
SE QUAD	0.3	0.001	0.05	0.05	0.05	2.5
TOTAL	5	0.008	1.0	1.0	1.0	41

SIDEROAD SCHEDULE															
NAME	STATION	SIDE	HMA SURF REM	HMA SURF REM	HMA SURF CSE N90	LEVEL BIND N70	INCIDENTAL HMA SURFACE	BIT MATLS TACK COAT	TEMP RAMP	FURN EX*	SEEDING CLASS	EROSION CONTROL BLANKET	NITROGEN FERTILIZER NUTRIENT	PHOSPHORUS FERTILIZER NUTRIENT	POTASSIUM FERTILIZER NUTRIENT
			2 1/4" SQ YD	1 1/2" SQ YD	MIX "D" TON	IL-9.5FG TON	TON	TON	POUND	SQ YD	CU YD	ACRE	SQ YD	POUND	POUND
WATERPARK WAY	765+60.00	LT	NO WORK												
CORNEILS RD	791+70.00	LT	165.0		13.9	6.9		111.4	41.3	2.2	0.01	26.0	0.5	0.5	0.5
CORNEILS RD	791+70.00	RT	158.3		13.3	6.7		106.9	39.6	2.8	0.01	11.2	0.6	0.6	0.6
BOOMBAH BLVD	813+30.00	RT		766.8		32.2	32.2	517.6	115.0						
WRIGLEY	838+79.00	LT	NO WORK												
WRIGLEY	838+79.00	RT	NO WORK												
CANNONBALL TRAIL	853+54.00	LT	977.1		82.1	41.0		659.5	72.8						
CANNONBALL TRAIL	853+54.00	RT	1084.9		91.1	45.6		732.3	76.9						
KENNEDY RD	878+00.00	LT		363.3		15.3	15.3	245.3	90.8						
TOTAL			2385	1130	200	148	47	2373	436	5	0.01	37.22	1.11	1.11	1.11

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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SCHEDULES			
SCALE:	SHEET 2 OF 5 SHEETS	STA.	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(108)RS-5	KENDALL	43	13
CONTRACT NO. 66J56			ILLINOIS FED. AID PROJECT	

ENTRANCE SCHEDULE									
STATION	SIDE	TYPE	MATERIAL	AREA	AREA	INCIDENTAL HMA SURFACE TON	BITUMINOUS MATERIALS TACK COAT POUND	AGGREGATE SURFACE COURSE TYPE B TON	HMA SURFACE REMOVAL 1 1/2" SQ YD
				REMOVED SQ FT	REPLACED SQ FT				
766+16	RT	FE	AGG	299	299			15	
778+50	LT	FE	AGG	150	150			8	
797+89.04	RT	PE	HMA	305	305	2.85	15.3		33.9
800+19	RT	PE/MBTO	HMA	280	368	2.61	18.4		31.1
801+68	RT	CE	HMA	290	290	2.71	14.5		32.2
801+90	LT	CE/MBTO	HMA	565	460	5.27	23		62.8
803+11	RT	PE	HMA	245	245	2.29	12.3		27.2
803+59	RT	PE	HMA	510	510	4.76	25.5		56.7
805+11	RT	PE	HMA	180	180	1.68	9		20
811+95	LT	FE	AGG	90	90			5	
816+91	LT	FE	AGG	465	465			24	
826+33	LT	FE	AGG	280	280			14	
847+97	RT	CE	HMA	1210	1210	11.29	60.5		134.4
867+24	RT	PE	HMA	210	210	1.96	10.5		23.3
869+33	LT	PE	HMA	220	220	2.05	11		24.4
873+36	LT	PE	AGG	290	290			15	
876+63	RT	PE	HMA	225	225	2.10	11.3		25
TOTAL						40	211	80	471

SUMMARY OF TRAFFIC SIGNAL QUANTITIES			
LOCATION	DETECTOR LOOP TYPE 1	MODIFY EXISTING CONTROLLER CABINET	LOOP DETECTOR TESTING
	FOOT	EACH	EACH
WATERPARK WAY	558	1	1
BOOMBAAH BOULEVARD	913	1	
WRIGLEY WAY			1
CANNONBALL TRAIL	1590	1	
KENNEDY ROAD	917	1	
TOTALS	3978	4	2

ADJUSTMENTS		
STATION	SIDE	FRAMES & LIDS TO BE ADJUSTED SPECIAL
822+66	LT	1
822+87	LT	1
822+87	RT	1
823+31	LT	1
823+31	RT	1
823+99	LT	1
856+08	LT	1
859+05	LT	1
TOTALS		8

ADA RAMP ELECTRICAL SCHEDULE									
	UNDERGRND COND PVC, 1 1/2" DIA.	ELEC CBL IN COND, SIG #14 2C	ELEC CBL IN COND, EQUIP GRND CNDCT, #6 1C	PED PUSH BUTTON POST, TY 1	DRILL EX HANDHOLE (IF NECESSARY)	PED PUSH BUT	REM ELEC CABLE FROM COND	REM EX TRAF SIG EQUIP (ENTIRE INT)	RELOCATE PED PUSH BUTTON*
CANNONBALL TRAIL	42	305	315	2	1	2	12	1	6
TOTAL	42	305	315	2	1	2	12	1	6

\*TO BE USED TO ADJUST MOUNTING HEIGHT OF EXISTING PUSH BUTTONS STAYING ON EXISTING POST.

GPS NUMBER	DESCRIPTION	EXISTING MONUMENT TYPE	PROPOSED MONUMENT TYPE	MONUMENT RECORD TO BE RECORDED	RESPONSIBILITY
047100	NW CORNER SEC 16, T37N, R7E, 3RD PM	BRASS DISK	TYPE 1	NO	1
047101	E. QTR. CORNER SEC 8, T37N, R7E, 3RD PM	COTTON GIN SPIKE	TYPE 1	YES	1

COORDINATES ON THE LISTED MONUMENTS AND ASSOICATED TIES KNOWN. PRE CONSTRUCTION TIES BY THE R.E. ARE NOT REQUIRED. UNKNOWN MONUMENTS SET BY OTHERS MAY EXIST. IF FOUND, THE R.E. MUST TIE AND REQUEST PLATS AND PLANS PERSONNEL TO GPS ANY MONUMENT(S) SUBJECT TO DAMAGE OR DESTRUCTION FROM THE RESURFACING WORK, AND INFORM THEM TO RESET THE MONUMENT(S) WHEN RESURFACING IS COMPLETE. UPON PAVING COMPLETION, THE R.E. WILL DIRECT PLATS AND PLANS PERSONNEL TO STAKE THE LOCATIONS FOR TYPE 1 MONUMENT CORING. PLATS AND PLANS WILL PREPARE AND RECORD THE REQUIRED MONUMENT RECORD.

RESPONSIBILITY:  
1) RESIDENT TO RE-ESTABLISH MONUMENT (PAY ITEM REQUIRED. PERMANENT SURVEY MARKER, TYPE 1)  
2) PLATS AND PLANS TO RE-ESTABLISH MONUMENT

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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SCALE:	SHEET 3 OF 5 SHEETS	STA.	TO STA.
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(108)RS-5	KENDALL	43	14
CONTRACT NO. 66J56			ILLINOIS FED. AID PROJECT	

**PERMANENT PAVEMENT MARKINGS**

LOCATION	THERMOPLASTIC								GROOVING FOR RECESSED PAVEMENT MARKING		RAISED REFLECTIVE PAVEMENT MARKING REMOVAL EACH	RAISED REFLECTIVE PAVEMENT MARKING EACH
	4"		6"		8"	12"	24"	LETTERS & SYMBOLS SQ FT	9"	25"		
	YELLOW FOOT	WHITE FOOT	YELLOW FOOT	WHITE FOOT	WHITE FOOT	YELLOW FOOT	WHITE FOOT		FOOT	FOOT		
755+00 - 766+20.18											54	54
MEDIAN STOPBAR	3453						195					
TURN LANE EDGELINE					296		24	46.8	296	24		
WATERPARK WAY		3712										
CROSSWALK				126								
766+20.18 - 791+66.87											81	81
CENTERLINE			272									
MEDIAN STOPBAR	4829						366					
EDGELINE		5093					28			28		
CORNEILS RD												
STOPBAR							20			20		
791+68.87 - 813+29.08											56	56
CENTERLINE			258									
MEDIAN STOPBAR	2894						26	46.8	293	26		
TURN LANE EDGELINE		4188			293							
BOOMBAAH BLVD												
MEDIAN STOPBAR	154						34	31.2	77	34		
TURN LANE					77							
813+29.06 - 838+77.65											59	59
MEDIAN STOPBAR	6465						24	124.8	687	24		
TURN LANE EDGELINE		4847			687							
WRIGLEY												
CENTERLINE	160											
STOPBAR							45	31.2	80	80		
TURN LANE EDGELINE		204			80							
838+77.65 - 854+00											38	38
MEDIAN STOPBAR	4344						38			38		
CROSSWALK				142								
TURN LANE EDGELINE		3046			678			187.2	678			
CANNONBALL TRAIL												
MEDIAN STOPBAR	276						52			52		
CROSSWALK			245									
TURN LANE				138				31.2	138			
854+00 - 878+22.59											95	95
MEDIAN STOPBAR	5844						69			69		
CROSSWALK			161									
TURN LANE EDGELINE		5073			654			140.4	654			
KENNEDY ROAD											5	5
MEDIAN STOPBAR	280				4	43			4			
TURN LANE					66		34	31.2	66	34		
878+22.59 - 886+25.59											64	64
MEDIAN STOPBAR	2282						39			39		
TURN LANE EDGELINE		1536			510			78	510			
TOTALS	30980	27699	529	674	3483	1031	433	748.8	3483	388	398	398
GRAND TOTALS	58679		1203		3483	1031	433	748.8	3483	388	398	398

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>SCHEDULES</b>			
SCALE:	SHEET 4 OF 5 SHEETS	STA.	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(108)RS-5	KENDALL	43	15
CONTRACT NO. 66J56				
ILLINOIS FED. AID PROJECT				

TEMPORARY PAVEMENT MARKINGS									
LOCATION	TEMPORARY						PVT MARK REMOVAL WATERBLASTING (1 APP)	SHORT TERM PAVEMENT MARKING (3 APP)	SHORT TERM PAVEMENT MARKING REMOVAL
	4"	6"	8"	12"	24"	L&S			
	(2 APPLICATIONS)								
	FOOT	FOOT	FOOT	FOOT	FOOT	SQ FT	FOOT	FOOT	SQ FT
755+00 - 766+20.18									
MEDIAN	6905			390			3648	336	112
STOPBAR					48		24		
TURN LANE			591			46.8	296		
EDGE LINE	2240								
WATERPARK WAY									
CROSSWALK		202					101		
766+20.18 - 791+66.87								764	255
CENTERLINE		543					272		
MEDIAN	9658			732			5195		
STOPBAR					56		28		
EDGE LINE	10187						5093		
CORNELLS RD									
STOPBAR					40		20		
791+68.87 - 813+29.08								649	216
CENTERLINE		515					258		
MEDIAN	5789			132			2960		
STOPBAR					52		26		
TURN LANE			586			46.8	293		
EDGE LINE	8375						4188		
BOOMBAH BLVD									
MEDIAN	308						154		
STOPBAR					68		34		
TURN LANE			154			31.2	77		
813+29.06 - 838+77.65								765	255
MEDIAN	12929			312			6621		
STOPBAR					48		24		
TURN LANE			1374			124.8	687		
EDGE LINE	9694						4847		
WRIGLEY									
CENTERLINE	320						160		
STOPBAR					90		45		
TURN LANE			160				80		
EDGE LINE	408						204		
838+77.65 - 854+00								457	152
MEDIAN	8688			568			4628		
STOPBAR					76		38		
TURN LANE			1356			156	678		
EDGE LINE	6092						3046		
CANNONBALL TRAIL									
MEDIAN	552						276		
STOPBAR					104		52		
TURN LANE			276			31.2	138		
854+00 - 878+22.59								727	242
MEDIAN	11688			406			6047		
STOPBAR					138		69		
TURN LANE			1308			109.2	654		
EDGE LINE	10146						5073		
KENNEDY ROAD									
MEDIAN	560			86			323		
STOPBAR					68		34		
TURN LANE			132			31.2	66		
878+22.59 - 886+25.59								241	80
MEDIAN	4564			854			2709		
STOPBAR					78		39		
TURN LANE			1020			78	510		
EDGE LINE	3072						1536		
TOTALS	112175	1260	6957	3480	866	655.2	61249	3602	1201

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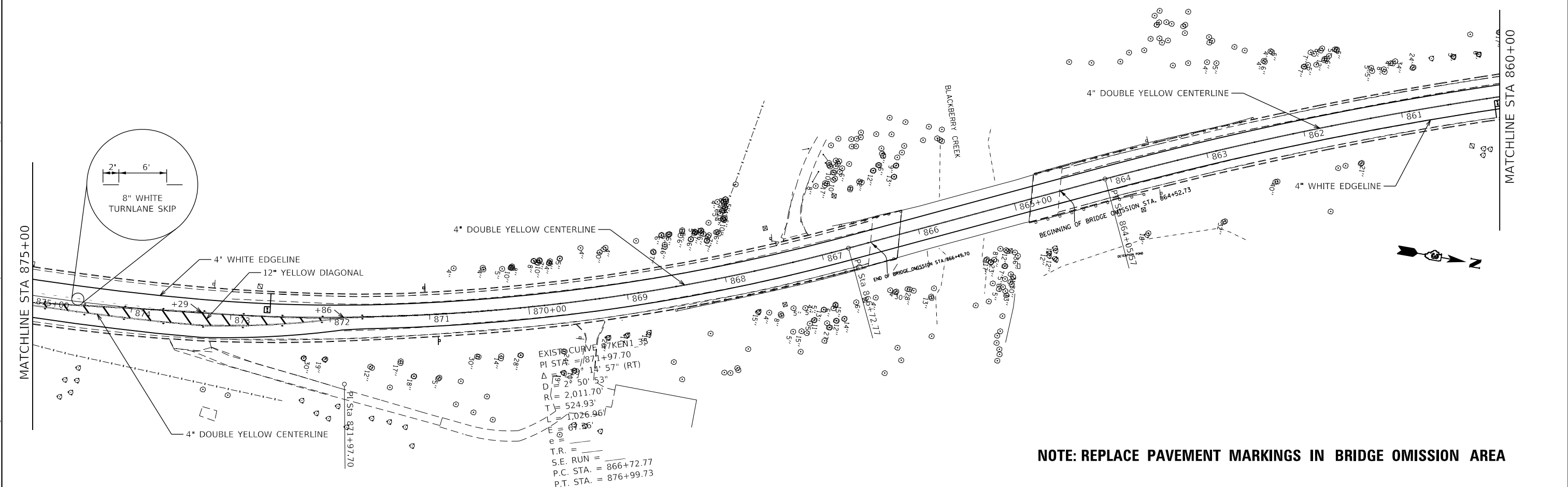
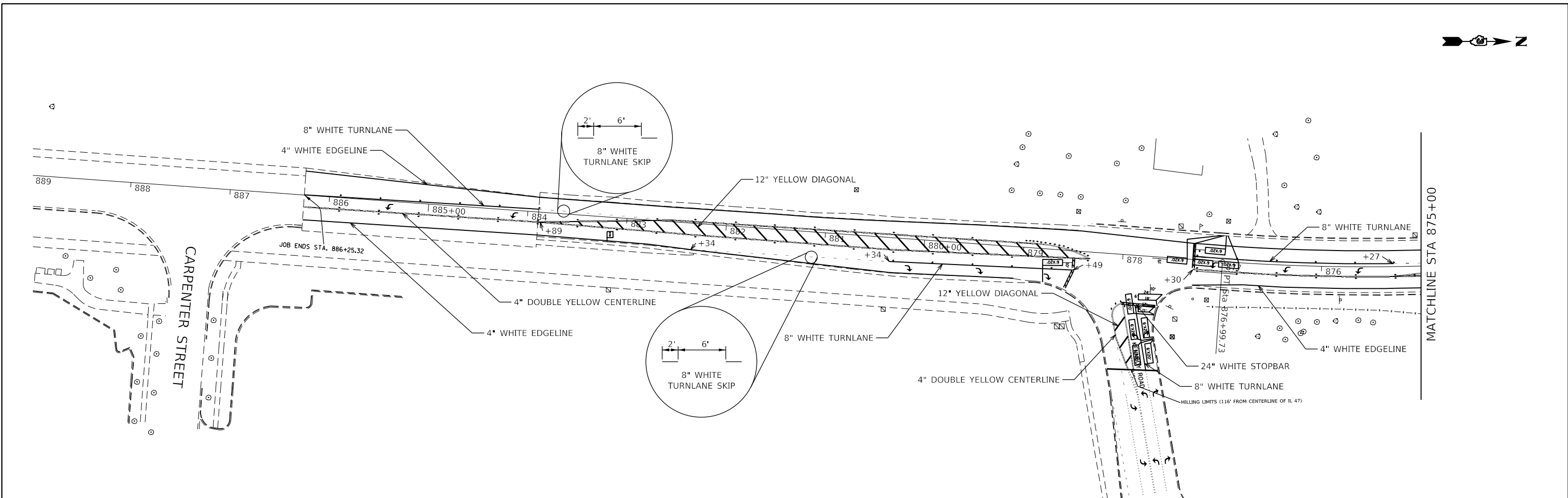
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PLOT DATE = 2/11/2019	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>SCHEDULES</b>			
SCALE:	SHEET 5	OF 5 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(108)RS-5	KENDALL	43	16
CONTRACT NO. 66J56				
ILLINOIS FED. AID PROJECT				





**NOTE: REPLACE PAVEMENT MARKINGS IN BRIDGE OMISSION AREA**

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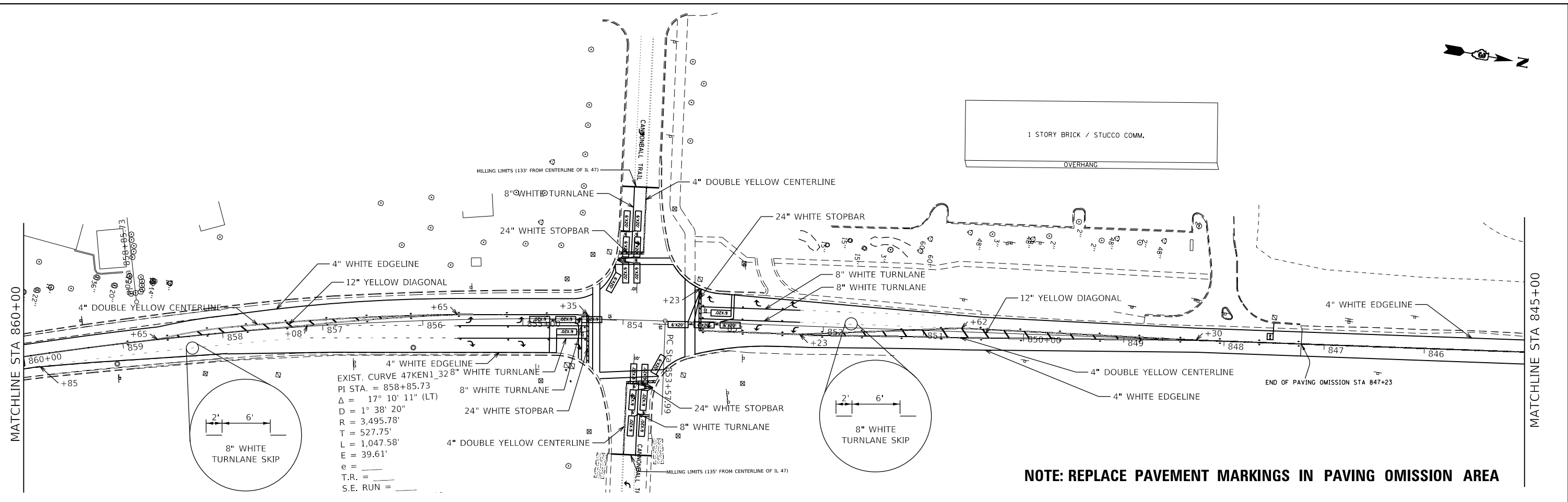
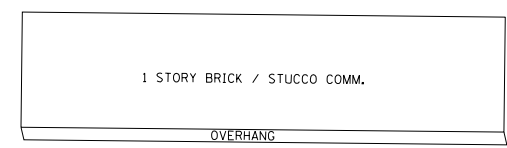
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**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING**  
**PLAN**

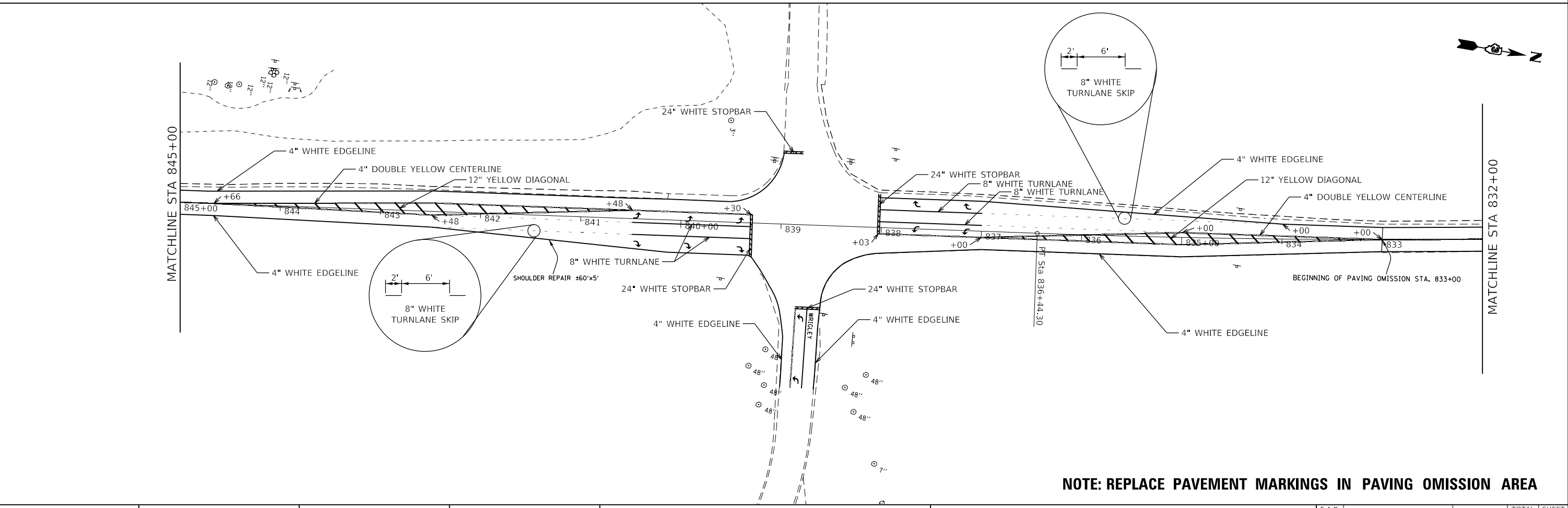
SCALE: 1"=50'      SHEET 1 OF 5 SHEETS      STA. 886+25      TO STA. 860+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(108)RS-5	KENDALL	43	17
CONTRACT NO. 66J56				
ILLINOIS FED. AID PROJECT				



EXIST. CURVE 47KEN1 32.8° WHITE TURNLANE  
 PI STA. = 858+85.73  
 $\Delta = 17^\circ 10' 11''$  (LT)  
 $D = 1^\circ 38' 20''$   
 $R = 3,495.78'$   
 $T = 527.75'$   
 $L = 1,047.58'$   
 $E = 39.61'$   
 $e =$   
 $T.R. =$   
 $S.E. RUN =$

**NOTE: REPLACE PAVEMENT MARKINGS IN PAVING OMISSION AREA**



**NOTE: REPLACE PAVEMENT MARKINGS IN PAVING OMISSION AREA**

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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING  
 PLAN**

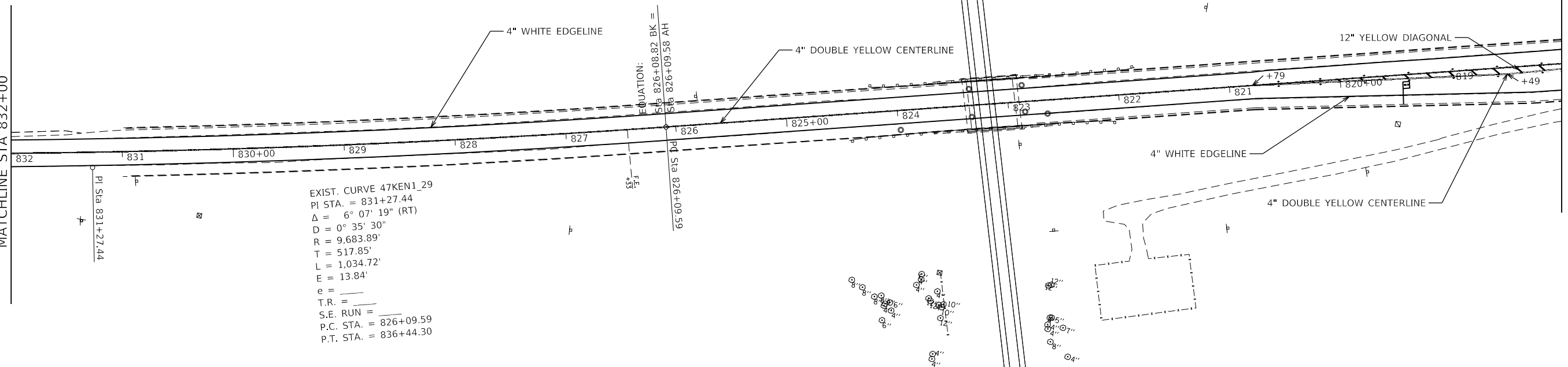
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F.A.P. RTE. 326	SECTION (108)RS-5	COUNTY KENDALL	TOTAL SHEETS 43	SHEET NO. 18
CONTRACT NO. 66J56				
ILLINOIS FED. AID PROJECT				



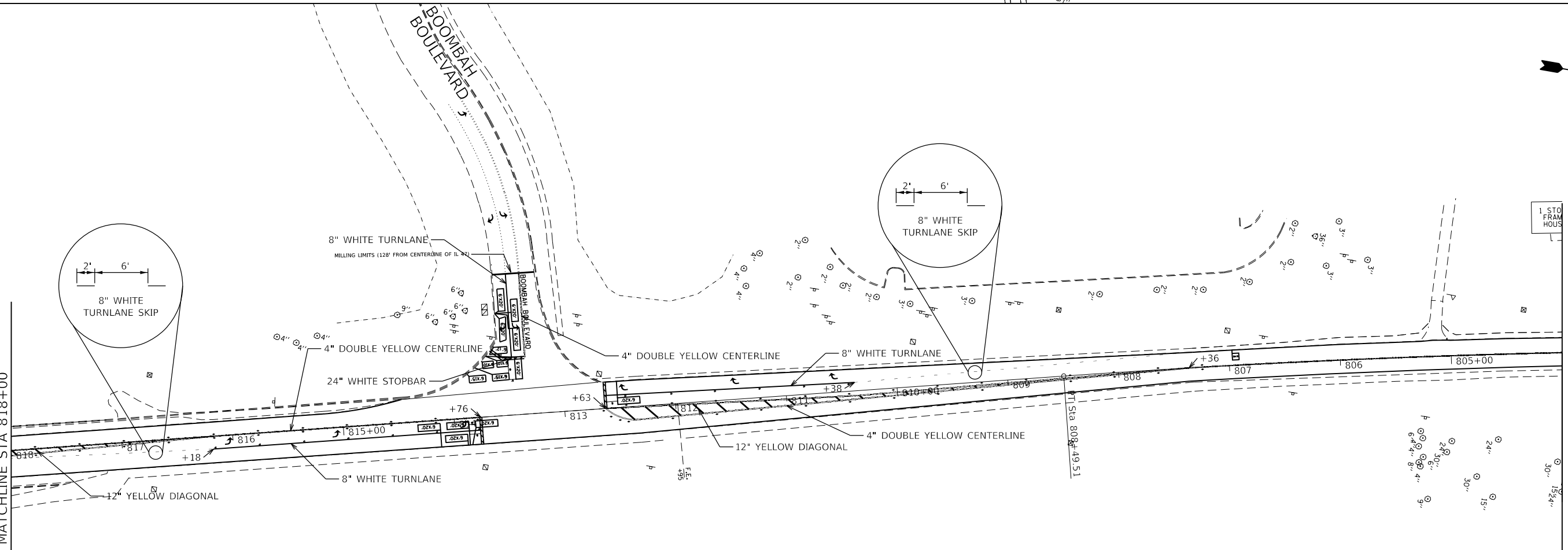
MATCHLINE STA 832+00

MATCHLINE STA 818+00



MATCHLINE STA 818+00

MATCHLINE STA 804+00



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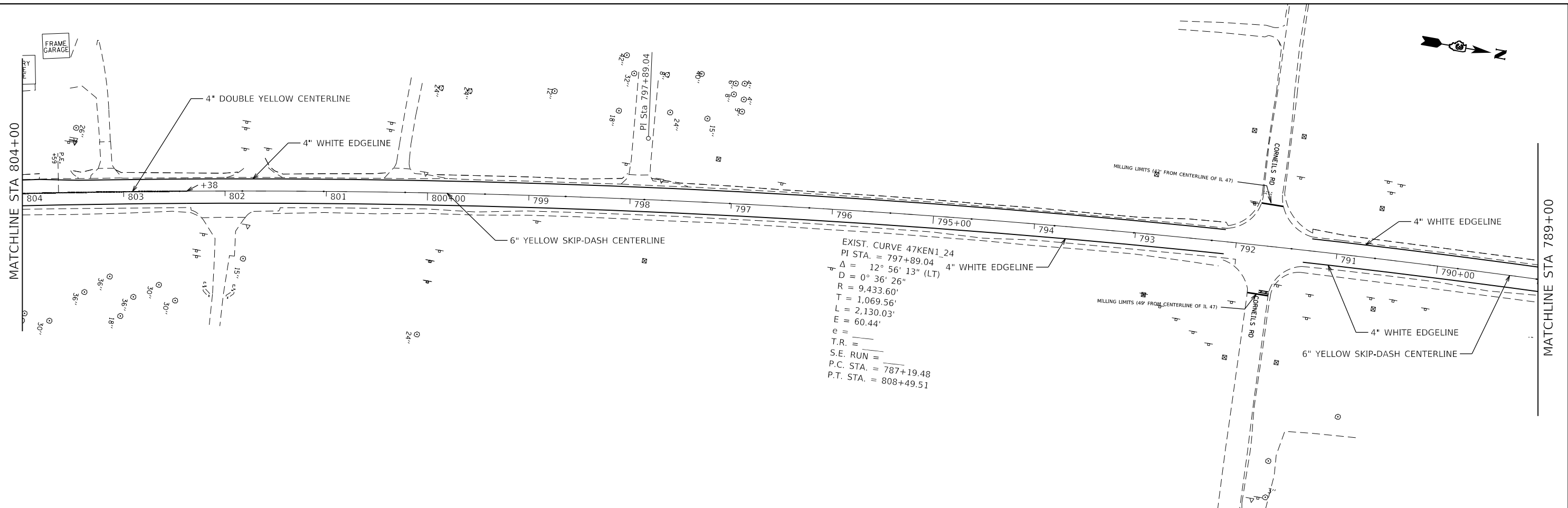
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING  
PLAN**

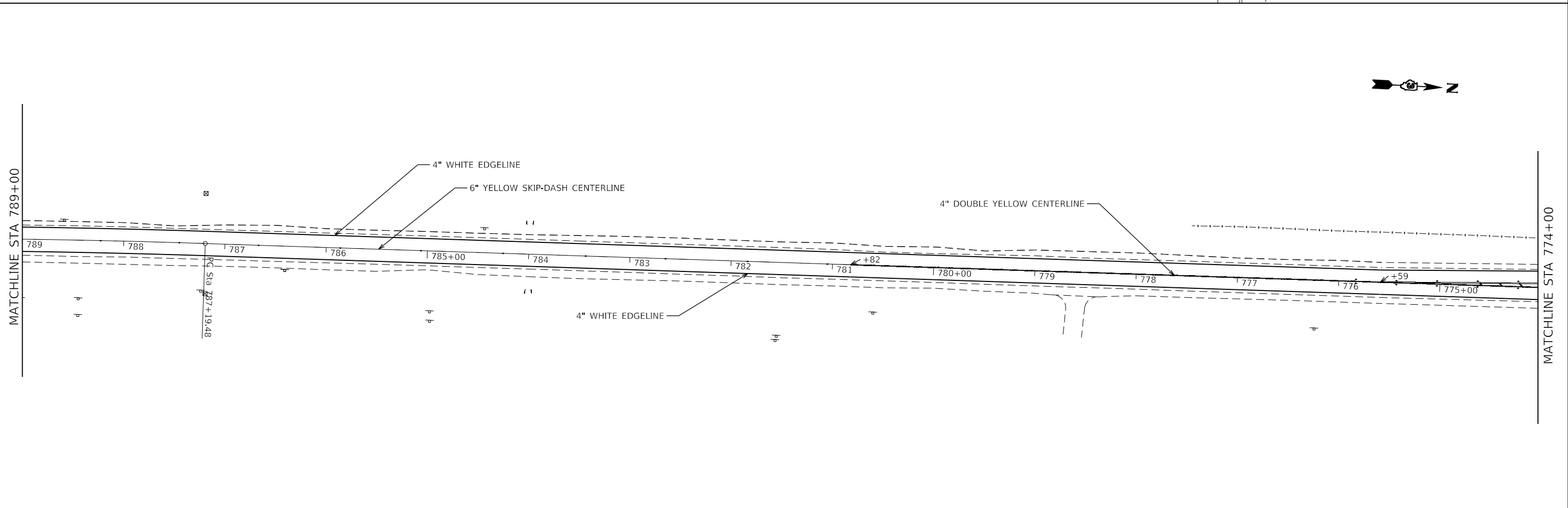
SCALE: 1"=50' SHEET 3 OF 5 SHEETS STA. 832+00 TO STA. 804+00

F.A.P. RTE. 326	SECTION (108)RS-5	COUNTY KENDALL	TOTAL SHEETS 43	SHEET NO. 19
CONTRACT NO. 66J56				
ILLINOIS FED. AID PROJECT				

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EXIST. CURVE 47KEN1\_24  
 PI STA. = 797+89.04  
 $\Delta = 12^\circ 56' 13''$  (LT)  
 $D = 0^\circ 36' 26''$   
 $R = 9,433.60'$   
 $T = 1,069.56'$   
 $L = 2,130.03'$   
 $E = 60.44'$   
 $e =$   
 $T.R. =$   
 $S.E. RUN =$   
 $P.C. STA. = 787+19.48$   
 $P.T. STA. = 808+49.51$



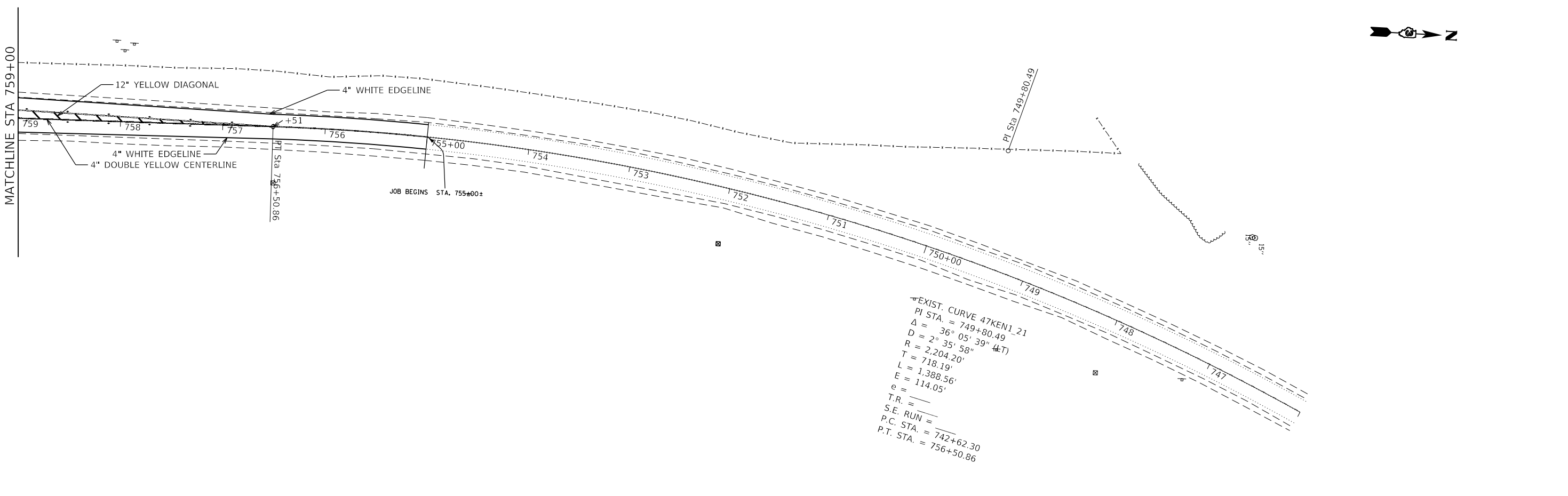
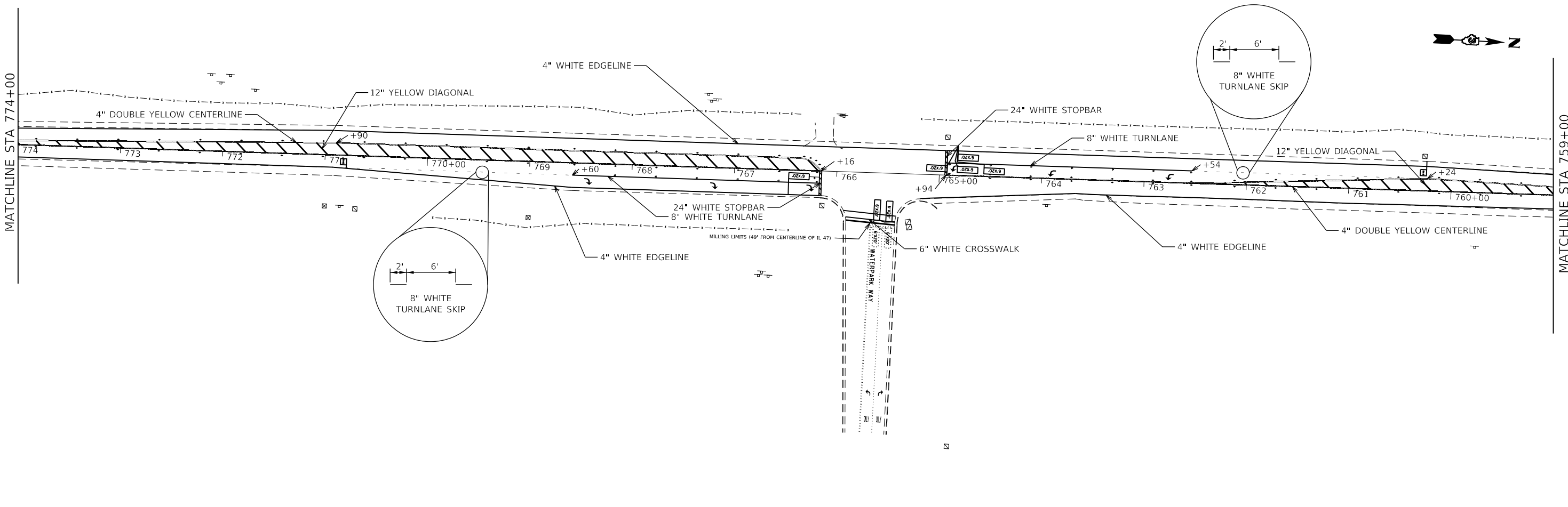
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PLOT DATE = 2/11/2019	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING  
 PLAN**

SCALE: 1"=50' SHEET 4 OF 5 SHEETS STA. 804+00 TO STA. 774+00

F.A.P. RTE. 326	SECTION (108)RS-5	COUNTY KENDALL	TOTAL SHEETS 43	SHEET NO. 20
CONTRACT NO. 66J56				
ILLINOIS FED. AID PROJECT				



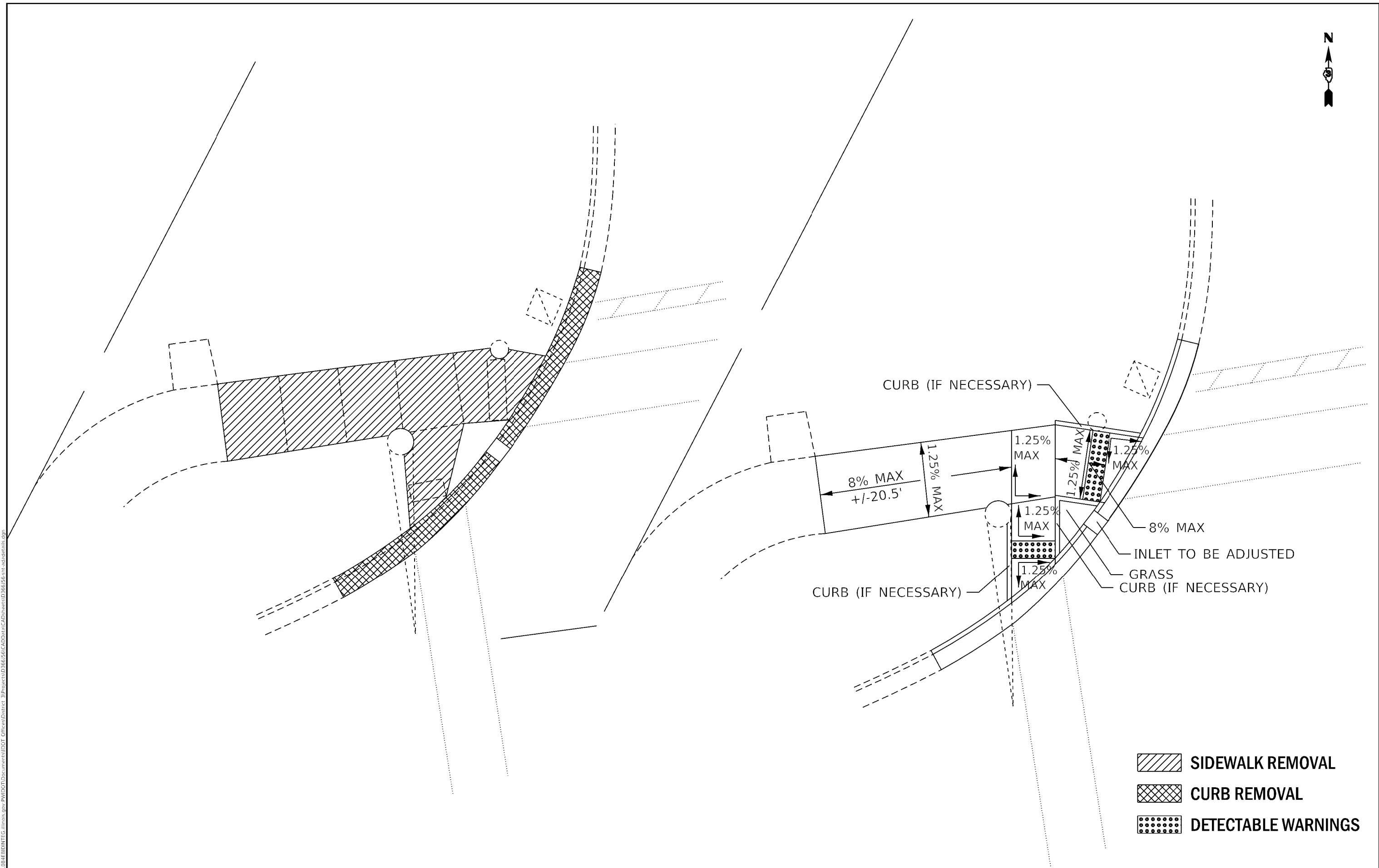
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PLOT DATE = 2/11/2019	DATE -	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

<b>PAVEMENT MARKING PLAN</b>			
SCALE: 1"=50'	SHEET 5	OF 5 SHEETS	STA. 774+00 TO STA. 746+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(108)RS-5	KENDALL	43	21
CONTRACT NO. 66J56				
ILLINOIS FED. AID PROJECT				



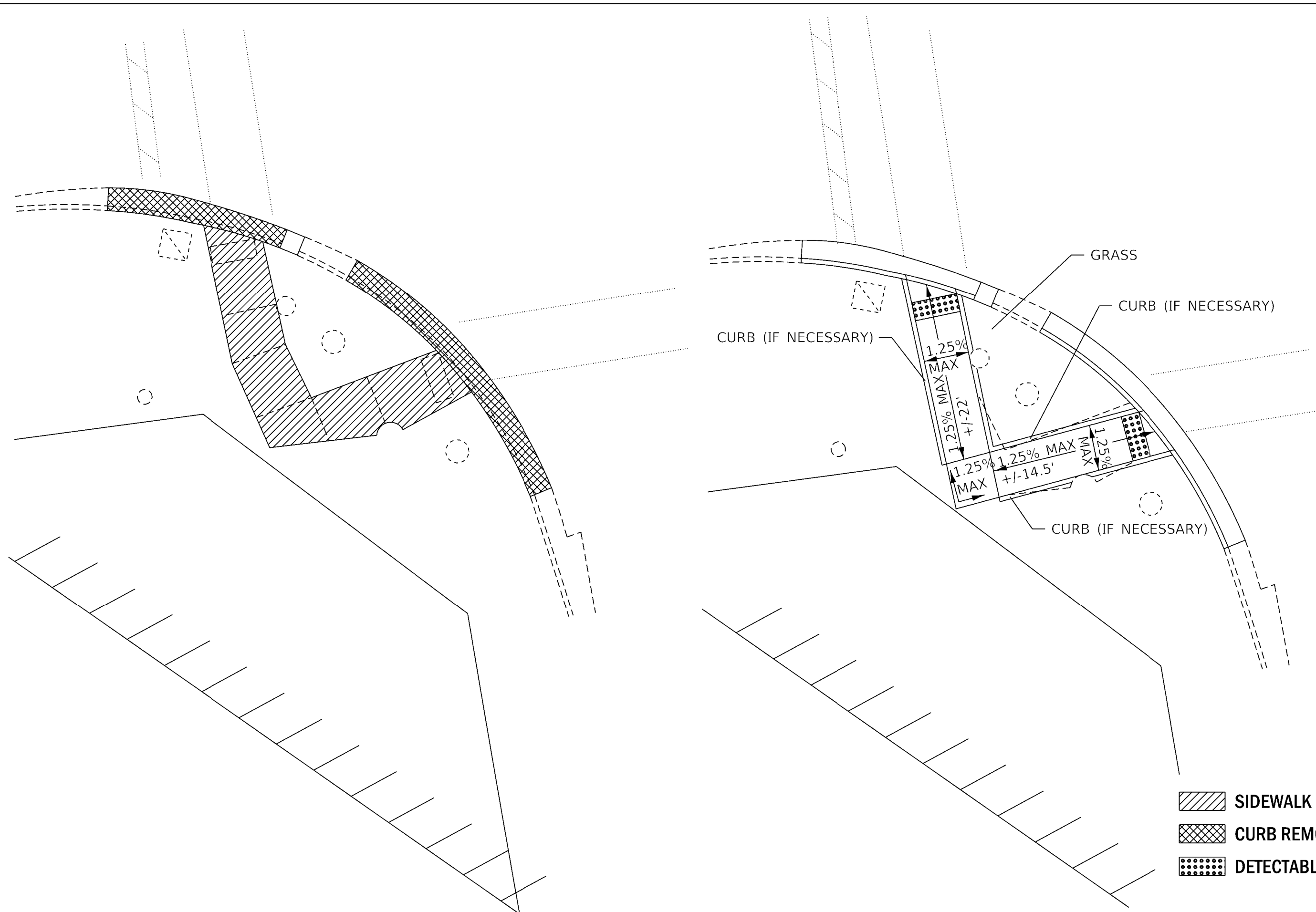
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>ADA RAMP DETAILS</b>	
<b>CANNONBALL TRAIL - NW QUAD</b>	
SCALE: 1" = 5'	SHEET 1 OF 4 SHEETS
STA.	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(108)RS-5	KENDALL	43	22
ILLINOIS FED. AID PROJECT			CONTRACT NO. 66J56	



- SIDEWALK REMOVAL**
- CURB REMOVAL**
- DETECTABLE WARNINGS**

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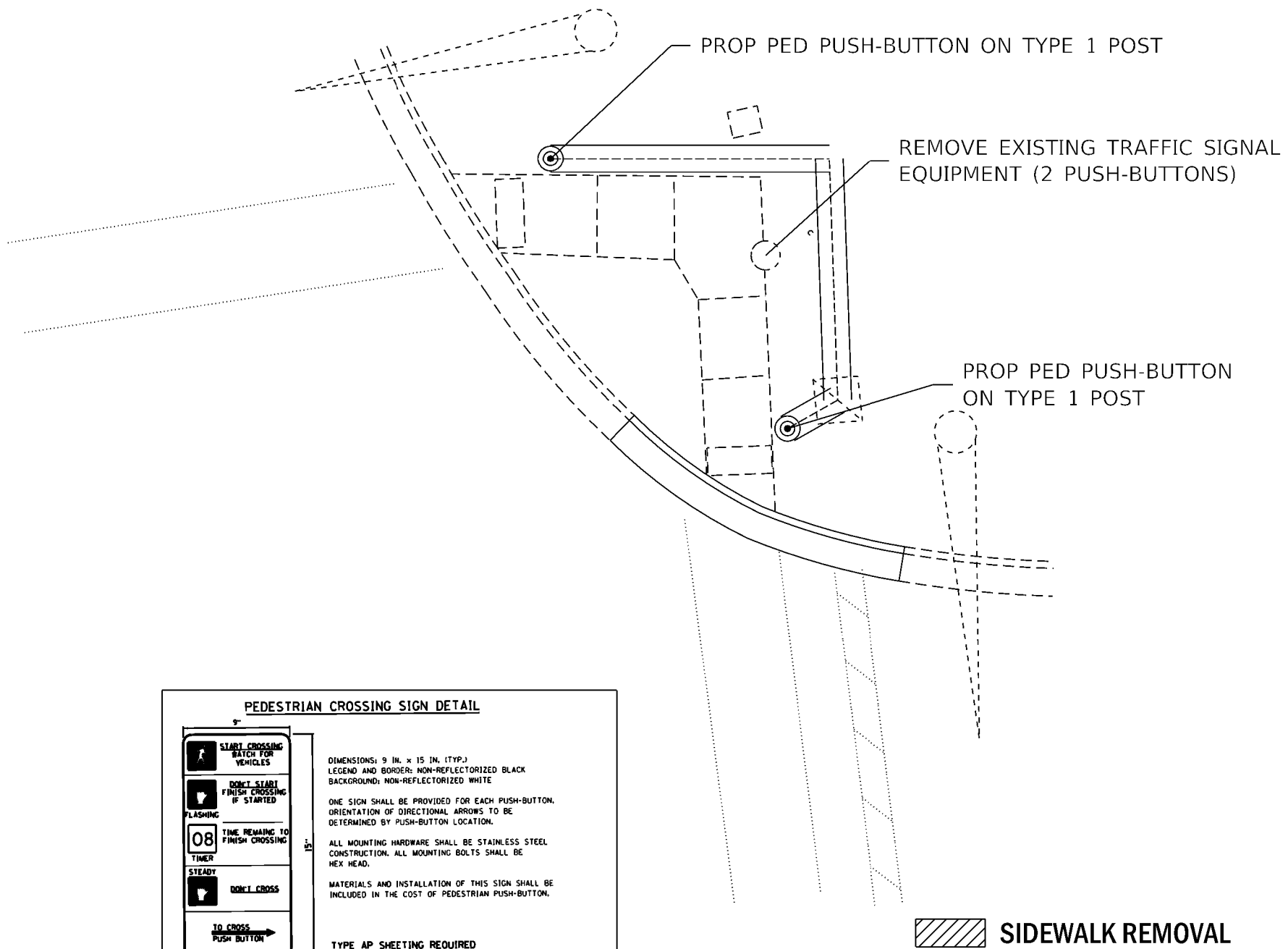
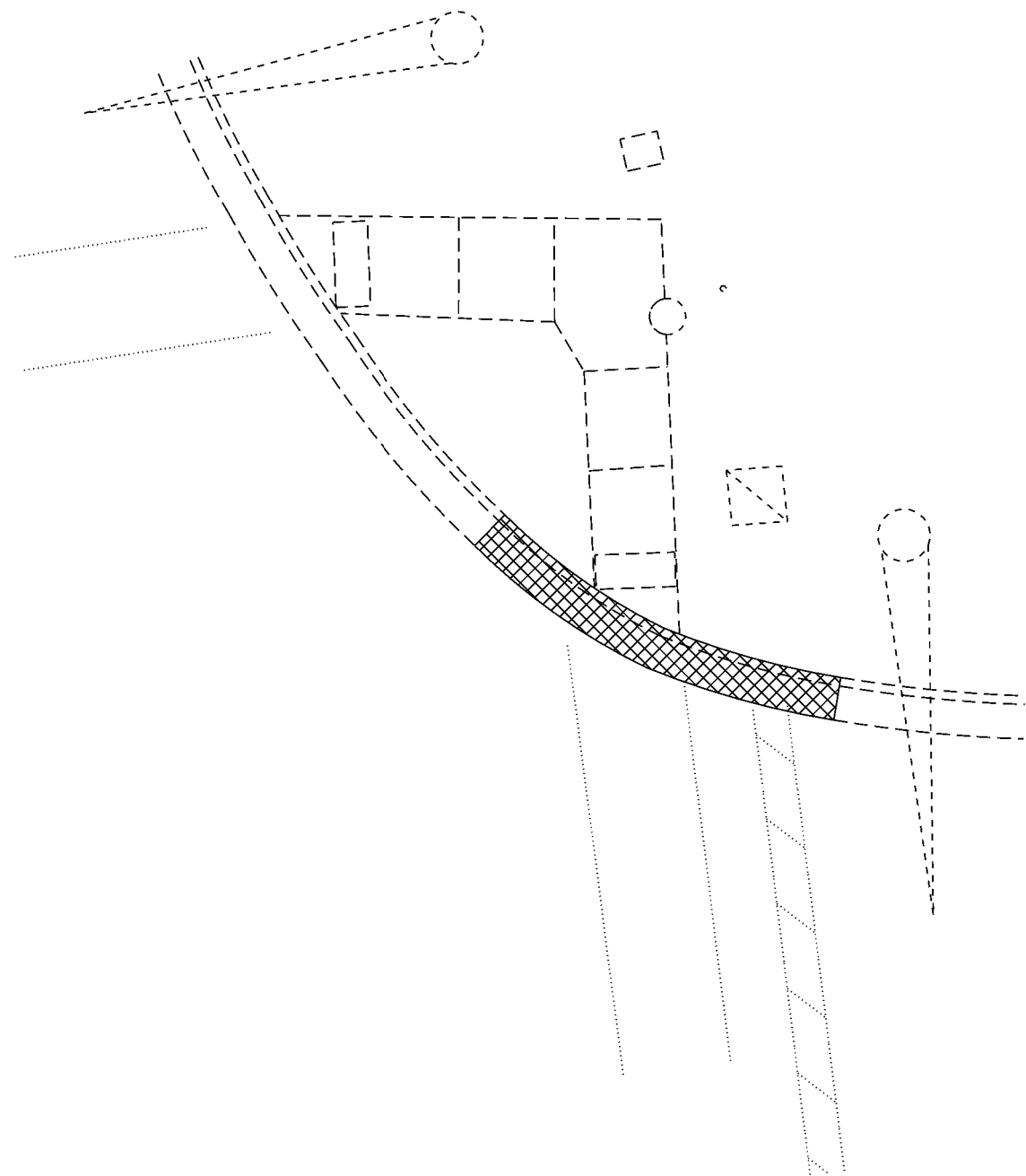
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>ADA RAMP DETAILS</b>			
<b>CANNONBALL TRAIL - SW QUAD</b>			
SCALE: 1" = 5'	SHEET 2	OF 4 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(108)RS-5	KENDALL	43	23
CONTRACT NO. 66J56			ILLINOIS FED. AID PROJECT	

BILL OF MATERIALS - CANNONBALL TRAIL NE QUAD		
DESCRIPTION	UNIT	NE QUAD
UNDERGROUND CONDUIT, PVC, 1 1/2" DIA.	FOOT	42
ELECTRIC CABLE IN CONDUIT, SIGNAL, NO.14 2C	FOOT	305
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	315
PEDESTRIAN PUSH BUTTON POST, TYPE 1	EACH	2
DRILL EXISTING HANDHOLE (IF NECESSARY)	EACH	1
PEDESTRIAN PUSH BUTTON	EACH	2
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	12
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT (ENTIRE INTERSECTION)	EACH	1



PROPOSED PEDESTRIAN PUSH-BUTTON ON TYPE 1 POST  
 PROPOSED UNDERGROUND CONDUIT 1 1/2"

**PEDESTRIAN CROSSING SIGN DETAIL**

DIMENSIONS: 9 IN. x 15 IN. (TYP.)  
 LEGEND AND BORDER: NON-REFLECTORIZED BLACK  
 BACKGROUND; NON-REFLECTORIZED WHITE  
 ONE SIGN SHALL BE PROVIDED FOR EACH PUSH-BUTTON.  
 ORIENTATION OF DIRECTIONAL ARROWS TO BE  
 DETERMINED BY PUSH-BUTTON LOCATION.  
 ALL MOUNTING HARDWARE SHALL BE STAINLESS STEEL  
 CONSTRUCTION. ALL MOUNTING BOLTS SHALL BE  
 HEX HEAD.  
 MATERIALS AND INSTALLATION OF THIS SIGN SHALL BE  
 INCLUDED IN THE COST OF PEDESTRIAN PUSH-BUTTON.  
 TYPE AP SHEETING REQUIRED

PROPOSED PEDESTRIAN SIGN DETAIL IS TO BE INCLUDED IN THE COST OF NEW PUSH BUTTON INSTALLATION

- SIDEWALK REMOVAL
- CURB REMOVAL
- DETECTABLE WARNINGS

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 DATE: 2/11/2019

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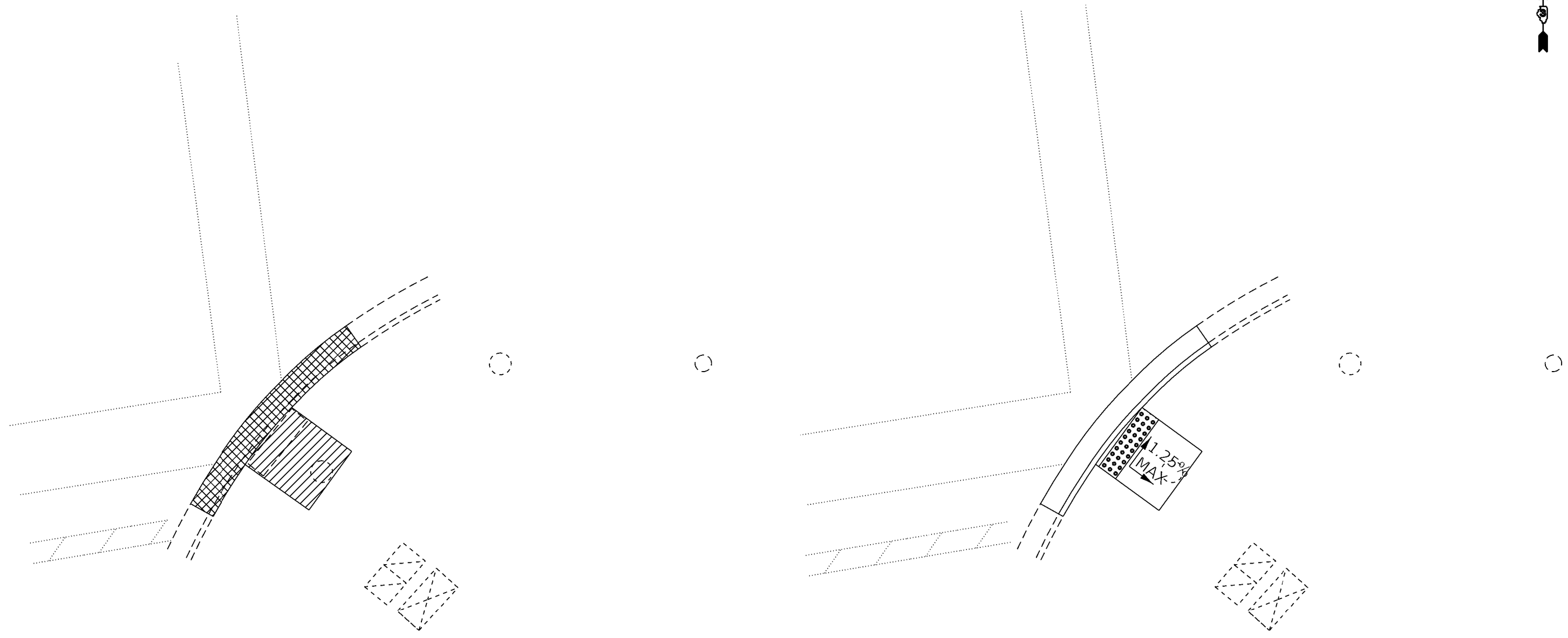
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION




ADA RAMP DETAILS  
CANNONBALL TRAIL - NE QUAD

SCALE: 1" = 5' SHEET 3 OF 4 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(108)RS-5	KENDALL	43	24
CONTRACT NO. 66J56			ILLINOIS FED. AID PROJECT	





-  **SIDEWALK REMOVAL**
-  **CURB REMOVAL**
-  **DETECTABLE WARNINGS**

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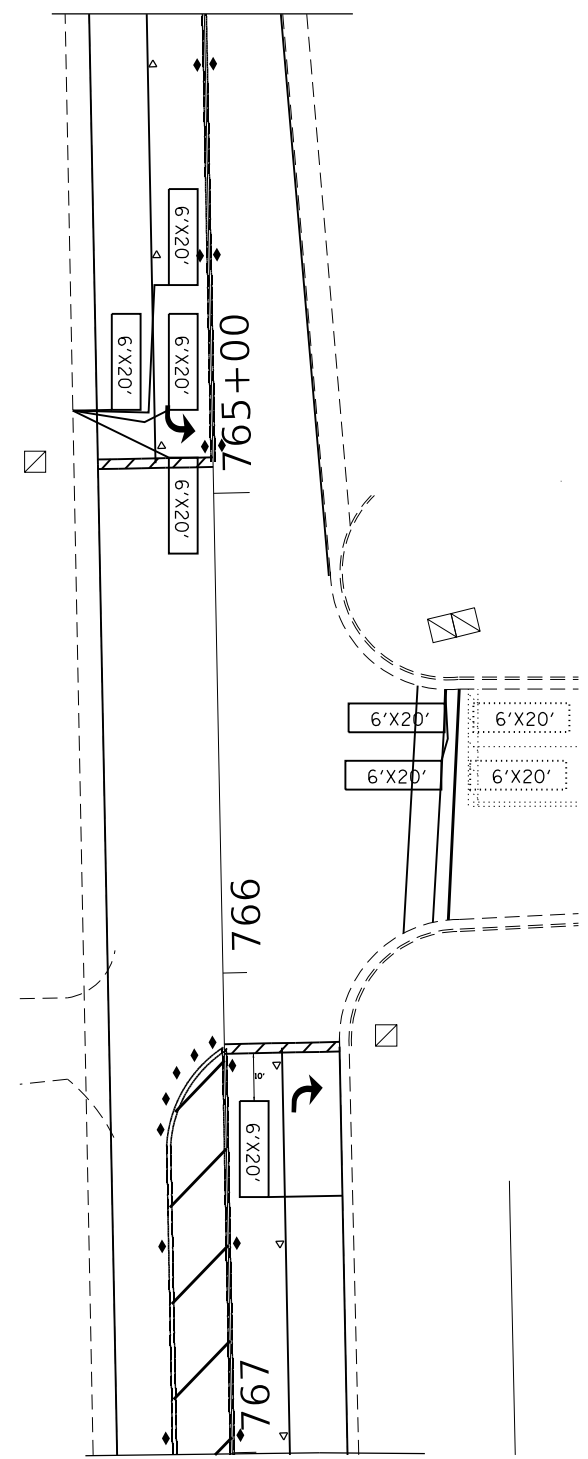
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**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

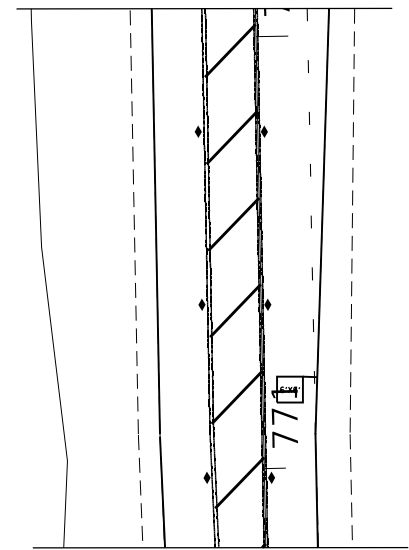
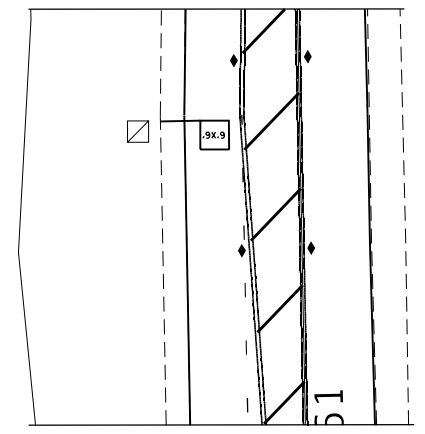
<b>ADA RAMP DETAILS</b> <b>CANNONBALL TRAIL - SE QUAD</b>			
SCALE: 1" = 5'	SHEET 4	OF 4 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(108)RS-5	KENDALL	43	25
ILLINOIS FED. AID PROJECT			CONTRACT NO. 66J56	

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FAR LOOPS ON IL 47 NB & SB ARE LOCATED 462' FROM STOP BAR.



FAR LOOPS ON IL 47 NB & SB ARE LOCATED 462' FROM STOP BAR.

### TRAFFIC SIGNAL NOTES

1. PLACE DETECTOR LOOPS IN BINDER
2. DETECTOR LOOPS SHALL HAVE FOUR TURNS
3. SAW CUT EXISTING DETECTOR LOOPS TO BE ABANDONED
4. 6' X 20' TYPICAL DETECTOR LOOPS WITH 6' SPACING, 10' FROM PROJECTED EDGE LINE OR STOP BARS.
5. THE DISTRICT 3 TRAFFIC SIGNAL UNIT IN THE BUREAU OF OPERATIONS SHALL BE NOTIFIED AT LEAST 72 HOURS PRIOR TO THE LAYOUT OF THE DETECTOR LOOPS

SCHEDULE OF QUANTITIES		
DESCRIPTION	UNIT	QUANTITY
LOOP DETECTOR TY 1 (WATERPARK)	FOOT	122
LOOP DETECTOR TY 1 (IL 47 NB)	FOOT	96
LOOP DETECTOR TY 1 (IL 47 SB)	FOOT	340
LOOP DETECTOR TESTING	EACH	1
MODIFY EXISTING CONTROLLER CABINET	EACH	1

\* Far loops are located 462' from stop bar

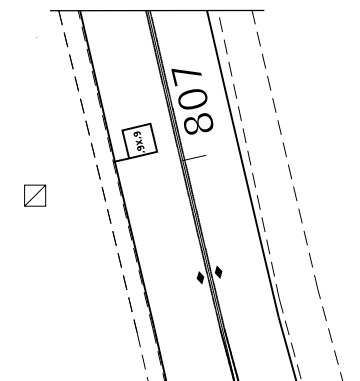
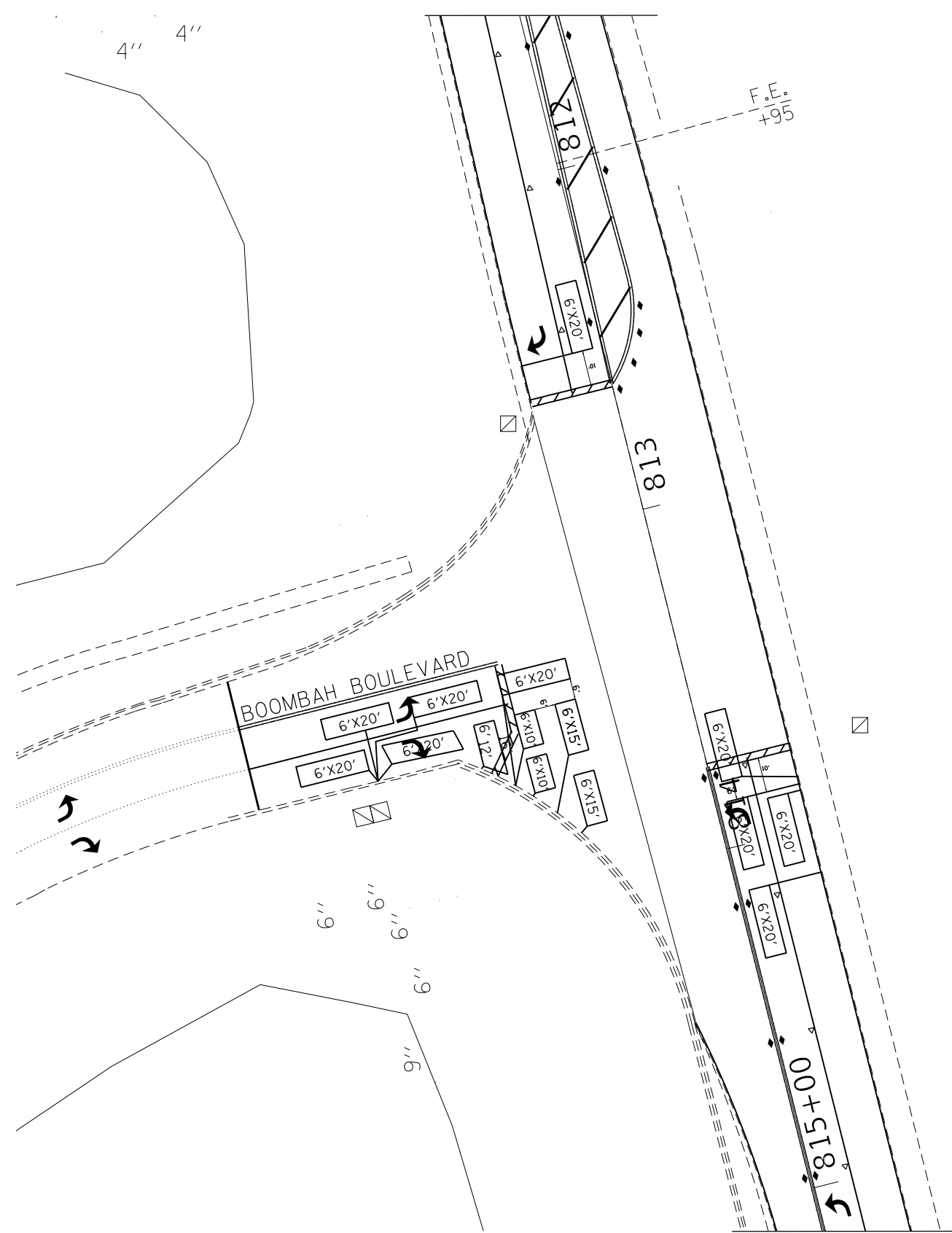
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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

<b>DETAILS</b>	
<b>DETECTOR LOOPS AT WATERPARK WAY</b>	
SCALE:	SHEET 1 OF 5 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(108)RS-5	KENDALL	43	26
CONTRACT NO. 66J56				
ILLINOIS FED. AID PROJECT				

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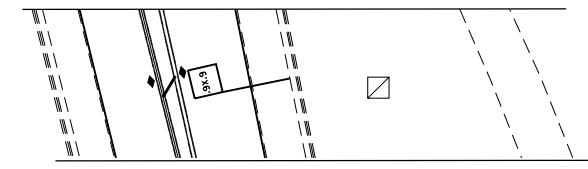
FAR LOOPS ON IL 47 NB & SB ARE LOCATED 567' FROM STOP BAR.

**TRAFFIC SIGNAL NOTES**

1. PLACE DETECTOR LOOPS IN BINDER
2. DETECTOR LOOPS SHALL HAVE FOUR TURNS
3. SAW CUT EXISTING DETECTOR LOOPS TO BE ABANDONED
4. 6' X 20' TYPICAL DETECTOR LOOPS WITH 6' SPACING, 10' FROM PROJECTED EDGE LINE OR STOP BARS.
5. THE DISTRICT 3 TRAFFIC SIGNAL UNIT IN THE BUREAU OF OPERATIONS SHALL BE NOTIFIED AT LEAST 72 HOURS PRIOR TO THE LAYOUT OF THE DETECTOR LOOPS

SCHEDULE OF QUANTITIES		
DESCRIPTION	UNIT	QUANTITY
LOOP DETECTOR TY 1 (BOOMBAH)	FOOT	566
LOOP DETECTOR TY 1 (IL 47 NB)	FOOT	275
LOOP DETECTOR TY 1 (IL 47 SB)	FOOT	72
MODIFY EXISTING CONTROLLER CABINET	EACH	1

\* Far loops are located 567' from stop bar



FAR LOOPS ON IL 47 NB & SB ARE LOCATED 567' FROM STOP BAR.

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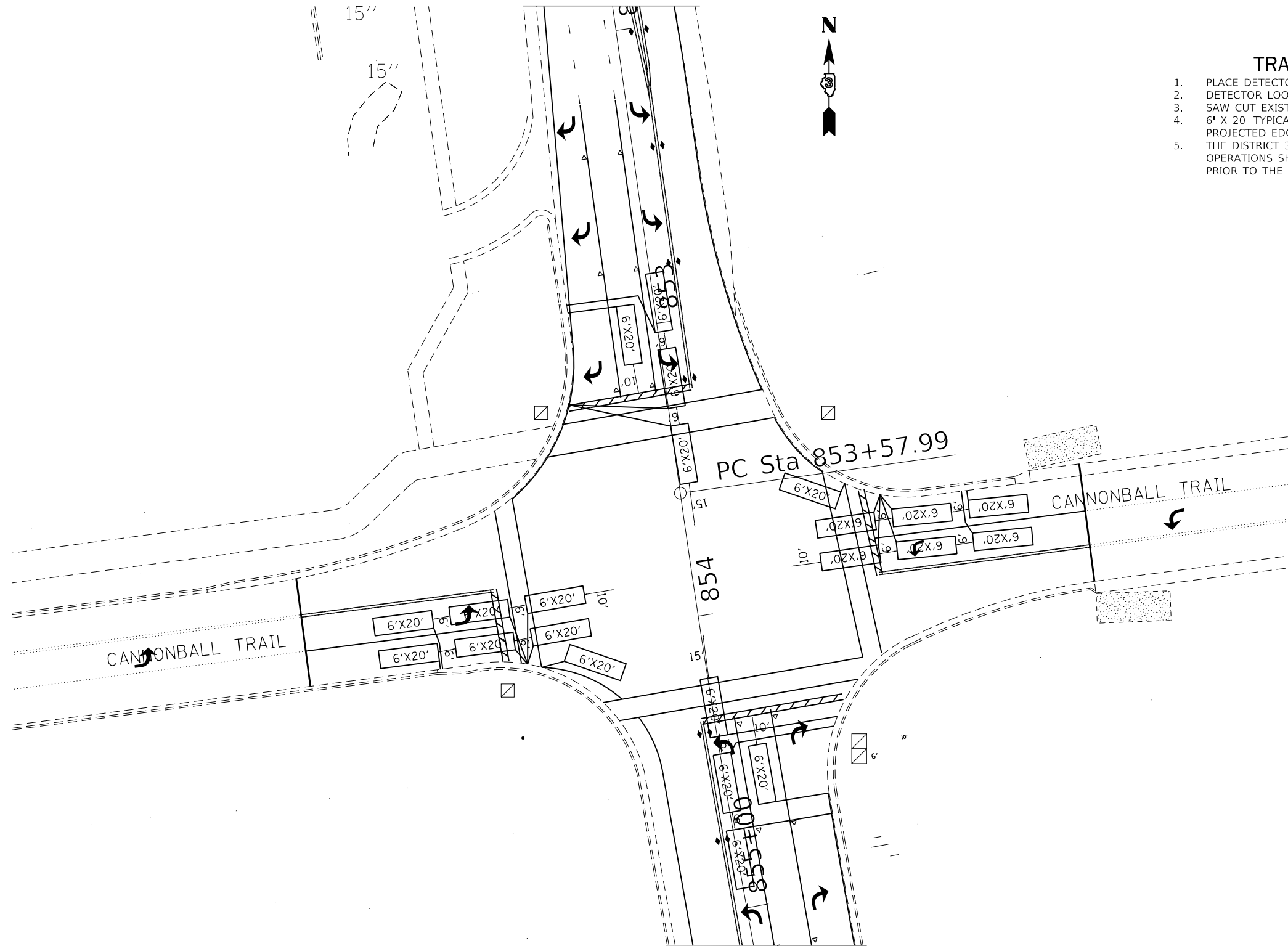
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

<b>DETAILS</b>	
<b>DETECTOR LOOPS AT BOOMBAH BOULEVARD</b>	
SCALE:	SHEET 2 OF 5 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(108)RS-5	KENDALL	43	27
CONTRACT NO. 66J56				
ILLINOIS FED. AID PROJECT				

### TRAFFIC SIGNAL NOTES

1. PLACE DETECTOR LOOPS IN BINDER
2. DETECTOR LOOPS SHALL HAVE FOUR TURNS
3. SAW CUT EXISTING DETECTOR LOOPS TO BE ABANDONED
4. 6' X 20' TYPICAL DETECTOR LOOPS WITH 6' SPACING, 10' FROM PROJECTED EDGE LINE OR STOP BARS.
5. THE DISTRICT 3 TRAFFIC SIGNAL UNIT IN THE BUREAU OF OPERATIONS SHALL BE NOTIFIED AT LEAST 72 HOURS PRIOR TO THE LAYOUT OF THE DETECTOR LOOPS



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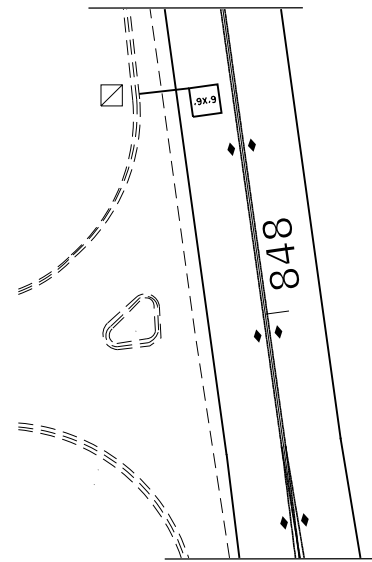
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**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**DETAILS**  
**DETECTOR LOOPS AT CANNONBALL TRAIL**

SCALE: SHEET 3 OF 5 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(108)RS-5	KENDALL	43	28
CONTRACT NO. 66J56			ILLINOIS FED. AID PROJECT	

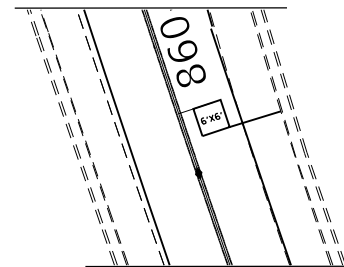


FAR LOOPS ON IL 47 NB & SB ARE LOCATED 565' FROM STOP BAR.



### TRAFFIC SIGNAL NOTES

1. PLACE DETECTOR LOOPS IN BINDER
2. DETECTOR LOOPS SHALL HAVE FOUR TURNS
3. SAW CUT EXISTING DETECTOR LOOPS TO BE ABANDONED
4. 6' X 20' TYPICAL DETECTOR LOOPS WITH 6' SPACING, 10' FROM PROJECTED EDGE LINE OR STOP BARS.
5. THE DISTRICT 3 TRAFFIC SIGNAL UNIT IN THE BUREAU OF OPERATIONS SHALL BE NOTIFIED AT LEAST 72 HOURS PRIOR TO THE LAYOUT OF THE DETECTOR LOOPS



FAR LOOPS ON IL 47 NB & SB ARE LOCATED 565' FROM STOP BAR.

SCHEDULE OF QUANTITIES		
DESCRIPTION	UNIT	QUANTITY
LOOP DETECTOR TY 1 (CANNONBALL TRAIL LT)	FOOT	440
LOOP DETECTOR TY 1 (CANNONBALL TRAIL RT)	FOOT	435
LOOP DETECTOR TY 1 (IL 47 NB)	FOOT	358
LOOP DETECTOR TY 1 (IL 47 SB)	FOOT	357
MODIFY EXISTING CONTROLLER CABINET	EACH	1

\* Far loops are located 565' from stop bar.

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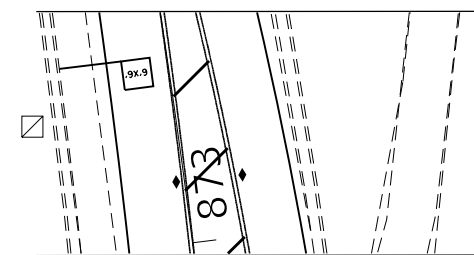
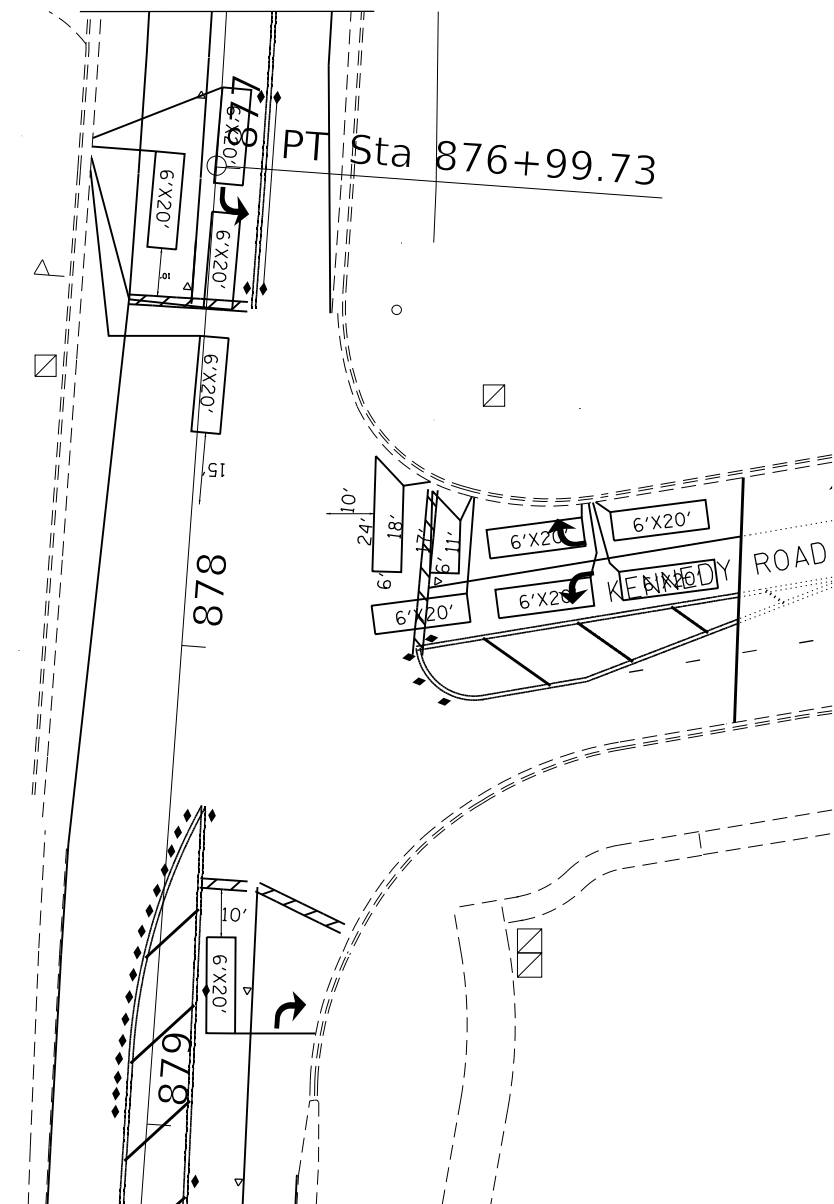
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

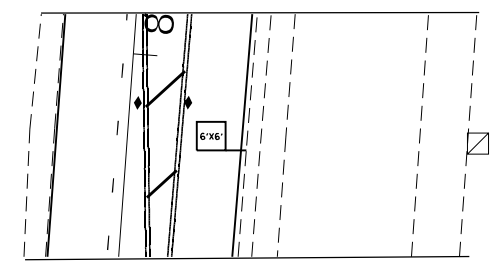
**DETAILS  
DETECTOR LOOPS AT CANNONBALL TRAIL**

SCALE: SHEET 4 OF 5 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(108)RS-5	KENDALL	43	29
CONTRACT NO. 66J56			ILLINOIS FED. AID PROJECT	



FAR LOOPS ON IL 47 NB & SB ARE LOCATED 565' FROM STOP BAR.



FAR LOOPS ON IL 47 NB & SB ARE LOCATED 565' FROM STOP BAR.

### TRAFFIC SIGNAL NOTES

1. PLACE DETECTOR LOOPS IN BINDER
2. DETECTOR LOOPS SHALL HAVE FOUR TURNS
3. SAW CUT EXISTING DETECTOR LOOPS TO BE ABANDONED
4. 6' X 20' TYPICAL DETECTOR LOOPS WITH 6' SPACING, 10' FROM PROJECTED EDGE LINE OR STOP BARS.
5. THE DISTRICT 3 TRAFFIC SIGNAL UNIT IN THE BUREAU OF OPERATIONS SHALL BE NOTIFIED AT LEAST 72 HOURS PRIOR TO THE LAYOUT OF THE DETECTOR LOOPS

SCHEDULE OF QUANTITIES		
DESCRIPTION	UNIT	QUANTITY
LOOP DETECTOR TY 1 (BOOMBAH)	FOOT	430
LOOP DETECTOR TY 1 (IL 47 NB)	FOOT	98
LOOP DETECTOR TY 1 (IL 47 SB)	FOOT	389
MODIFY EXISTING CONTROLLER CABINET	EACH	1

\* Far loops are located 567' from stop bar

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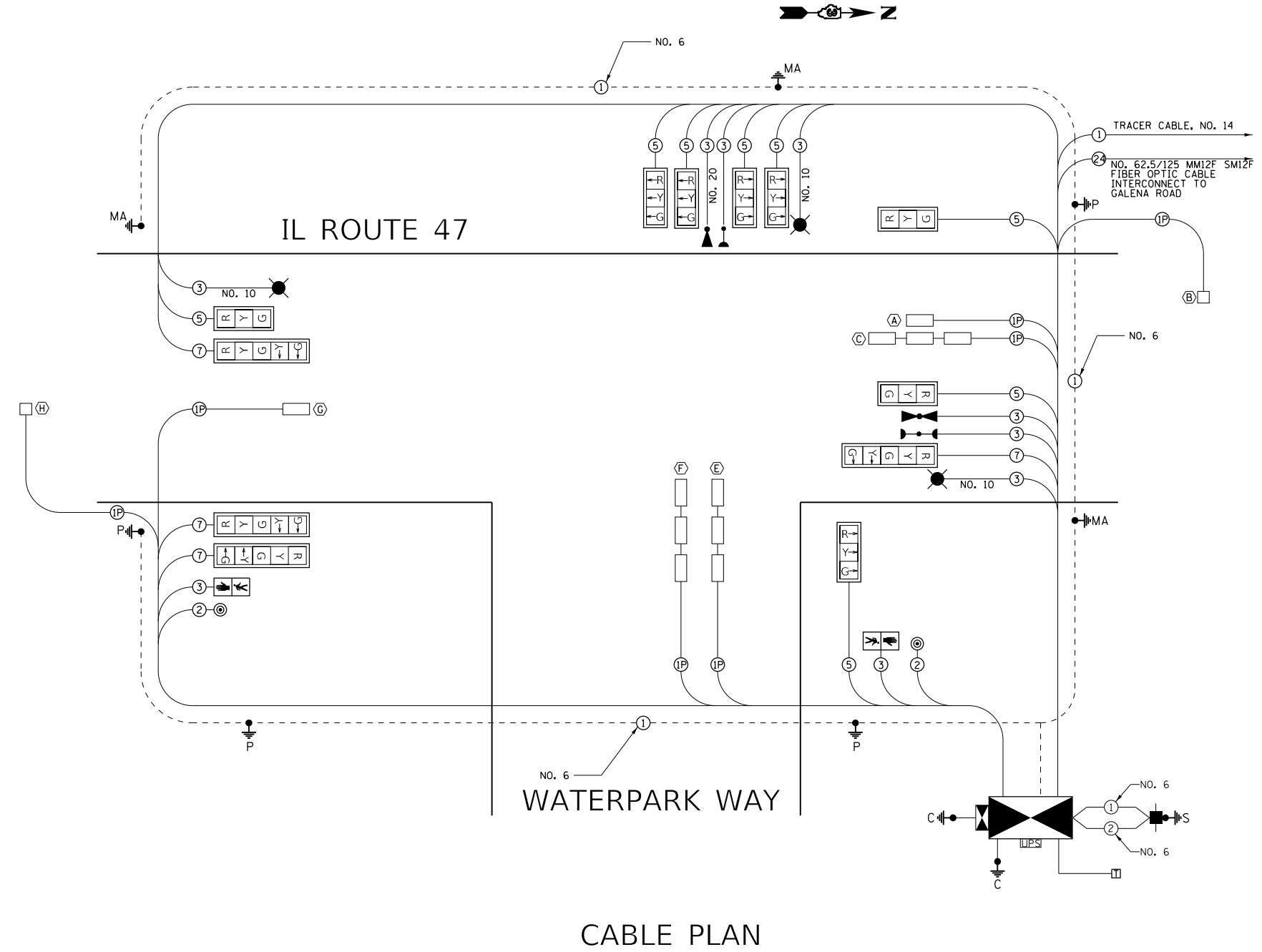
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	DATE -	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

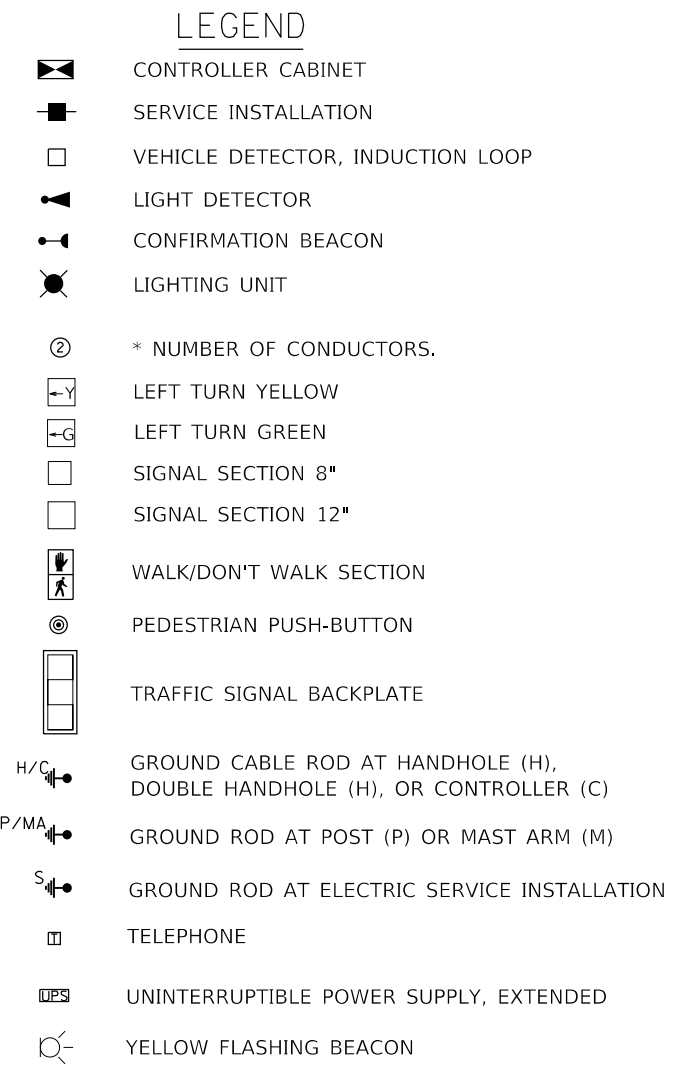
<b>DETAILS</b>			
<b>DETECTOR LOOPS AT KENNEDY ROAD</b>			
SCALE:	SHEET 5	OF 5 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(108)RS-5	KENDALL	43	30
CONTRACT NO. 66J56				
		ILLINOIS	FED. AID PROJECT	

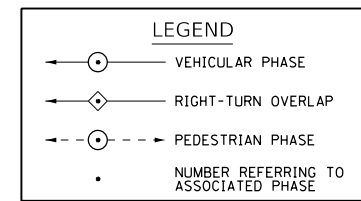
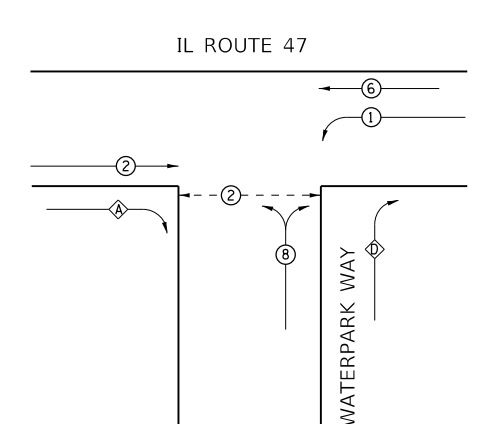
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**CABLE PLAN**



### PHASE DIAGRAM



OVERLAP PHASE	PROTECTED PHASE	PERMISSIVE PHASE
A	= 8	
D	= 7	+ 8

USER NAME = nugentaj	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40,0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 2/11/2019	DATE -	REVISED -

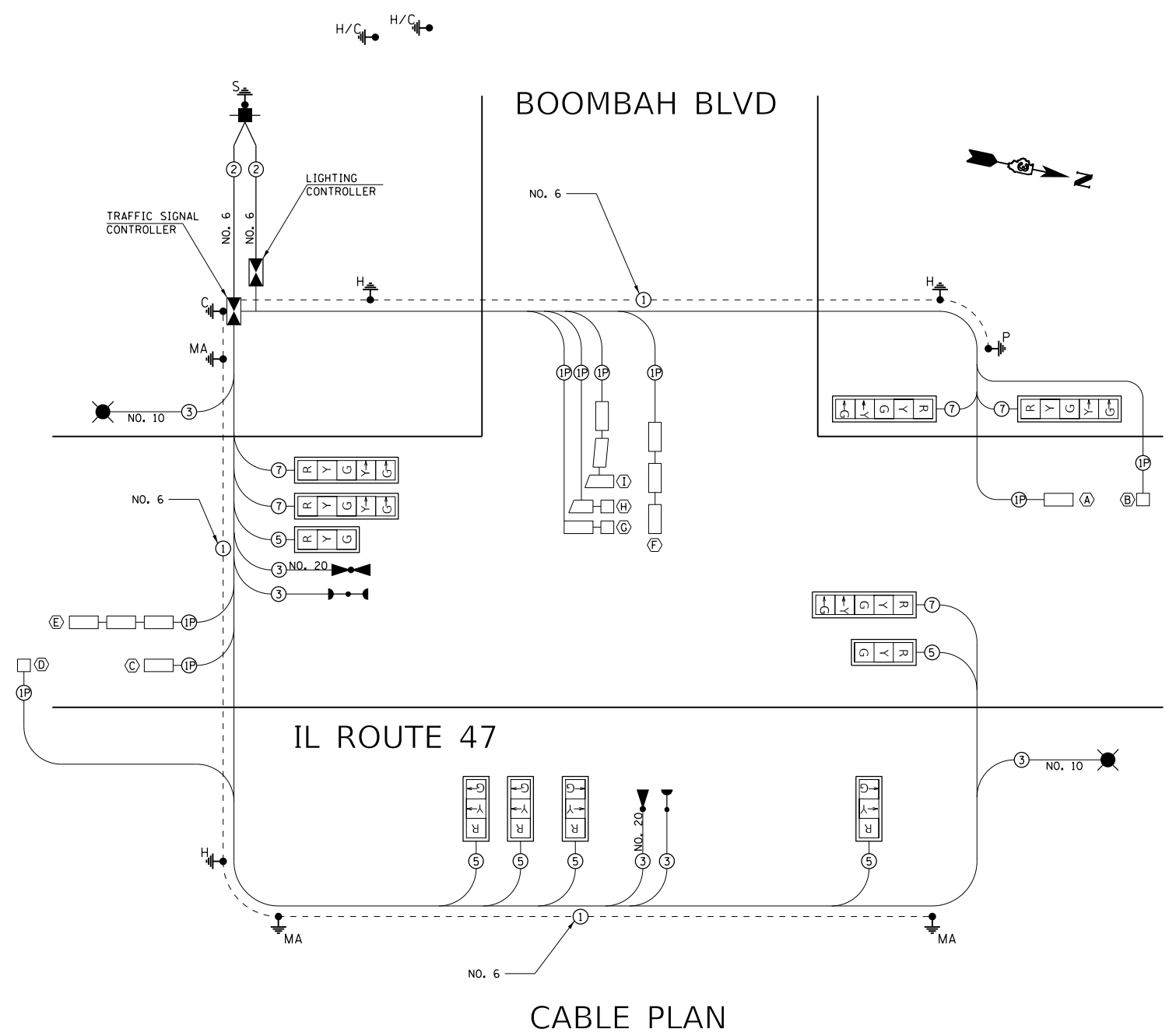
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**DETAILS  
 CABLE PLAN & PHASE DIAGRAM - WATERPARK WAY**

SCALE: SHEET 1 OF 4 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(108)RS-5	KENDALL	43	31
CONTRACT NO. 66J56				
ILLINOIS FED. AID PROJECT				

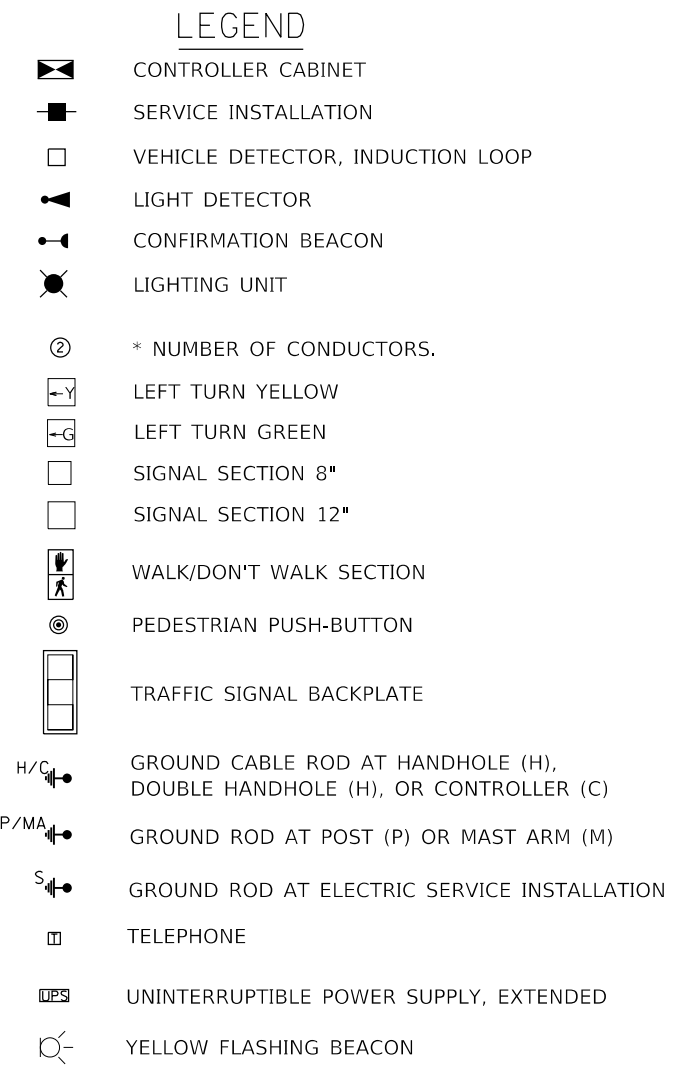
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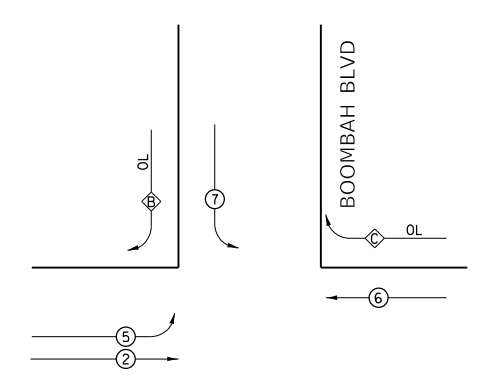
BOOMBAH BLVD

IL ROUTE 47

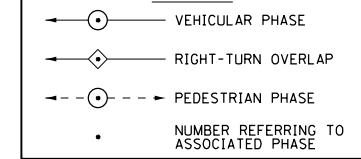
CABLE PLAN



PHASE DIAGRAM



LEGEND



OVERLAP PHASE	PROTECTED PHASE	PERMISSIVE PHASE
B	= 5	+ 7
C	= 7	

USER NAME = nugentaj	DESIGNED -	REVISED -
PLOT SCALE = 40,0000 ' / in.	DRAWN -	REVISIED -
PLOT DATE = 2/11/2019	CHECKED -	REVISIED -
	DATE -	REVISIED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

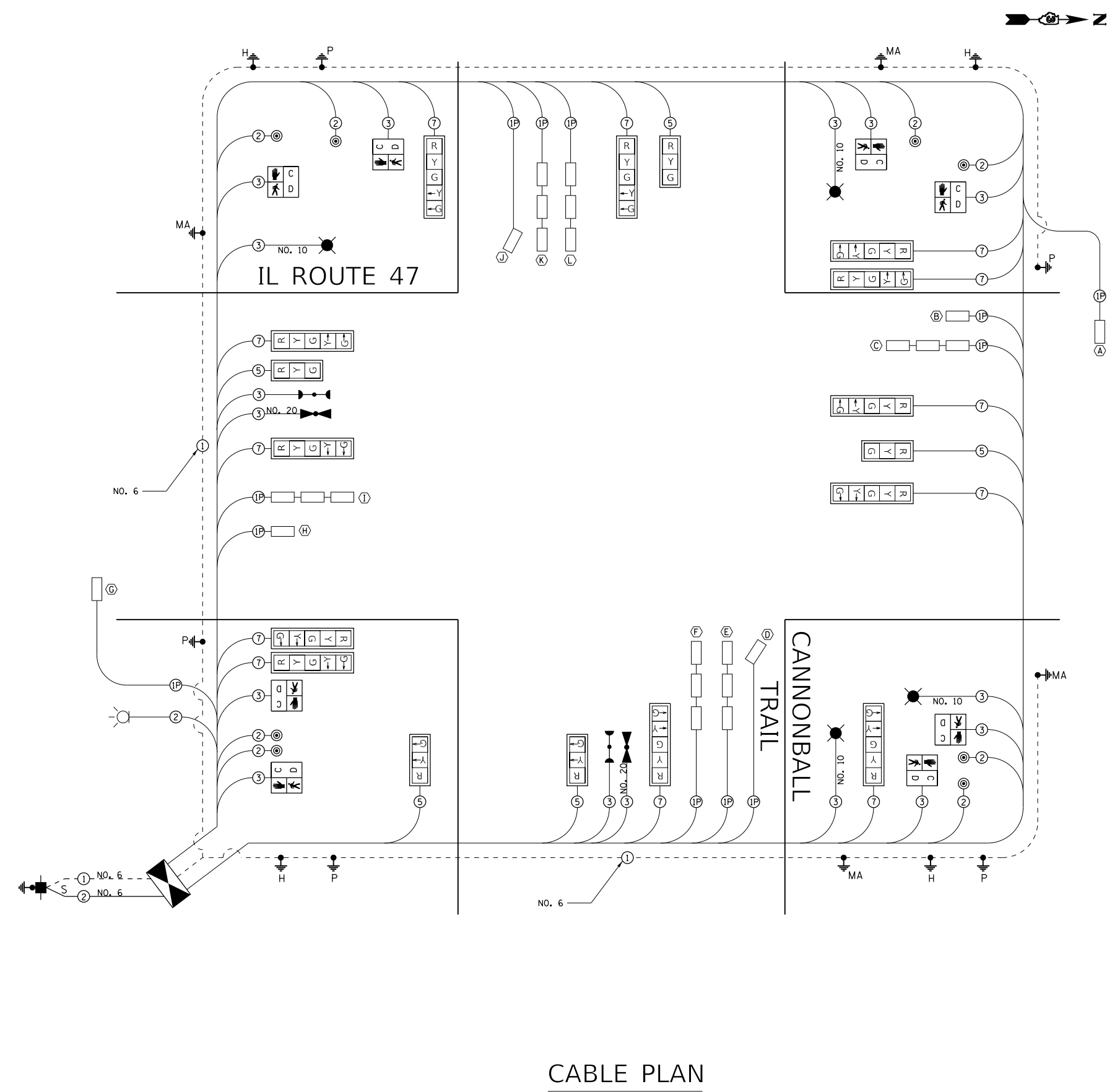
DETAILS  
 CABLE PLAN & PHASE DIAGRAM - BOOMBAH BLVD

SCALE: SHEET 2 OF 4 SHEETS STA. TO STA.

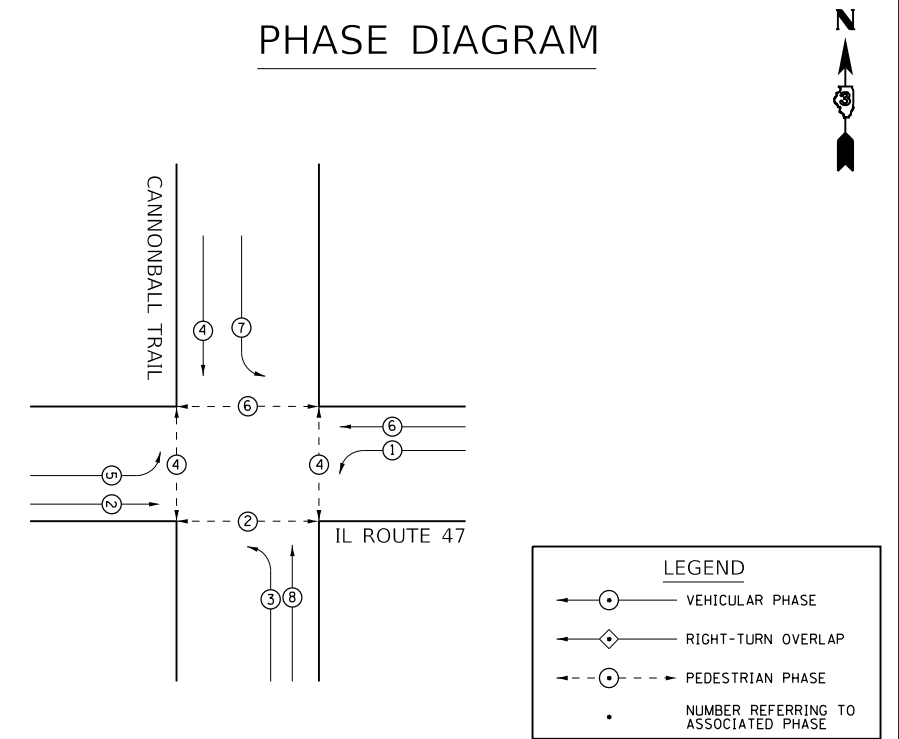
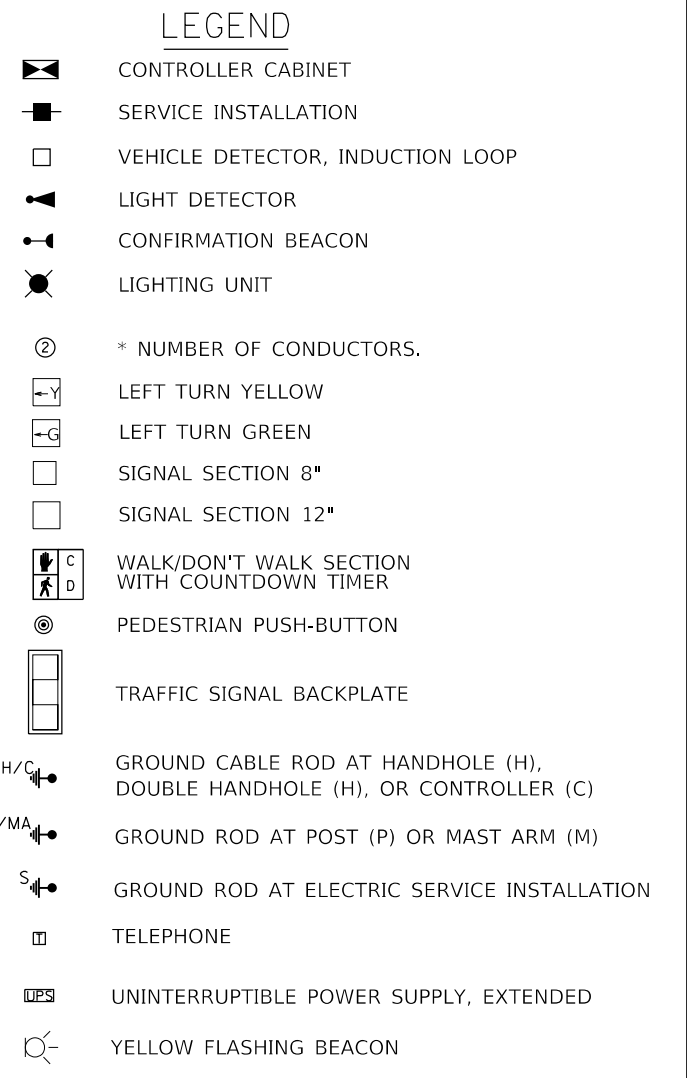
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(108)RS-5	KENDALL	43	32
CONTRACT NO. 66J56				
ILLINOIS FED. AID PROJECT				



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**CABLE PLAN**



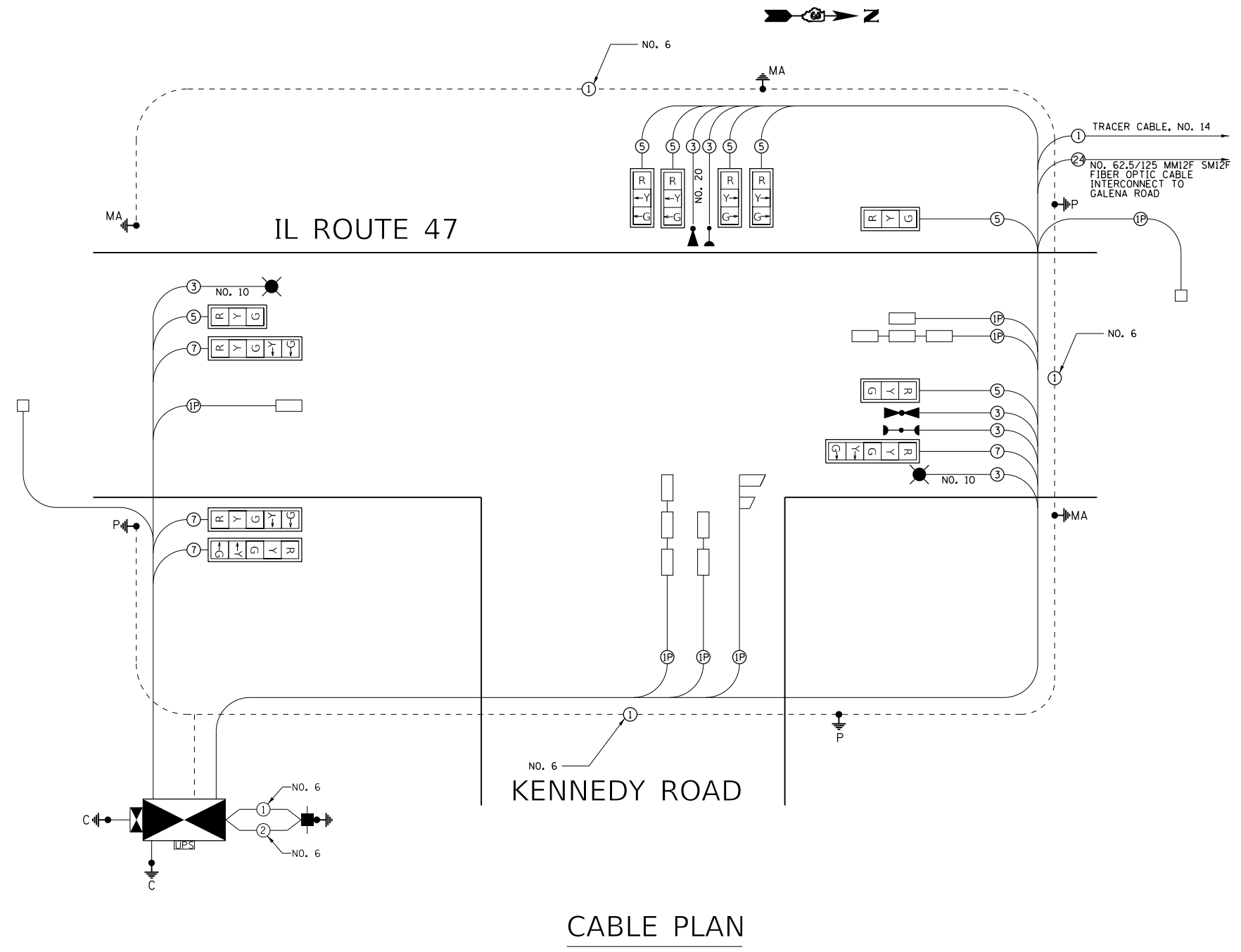
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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

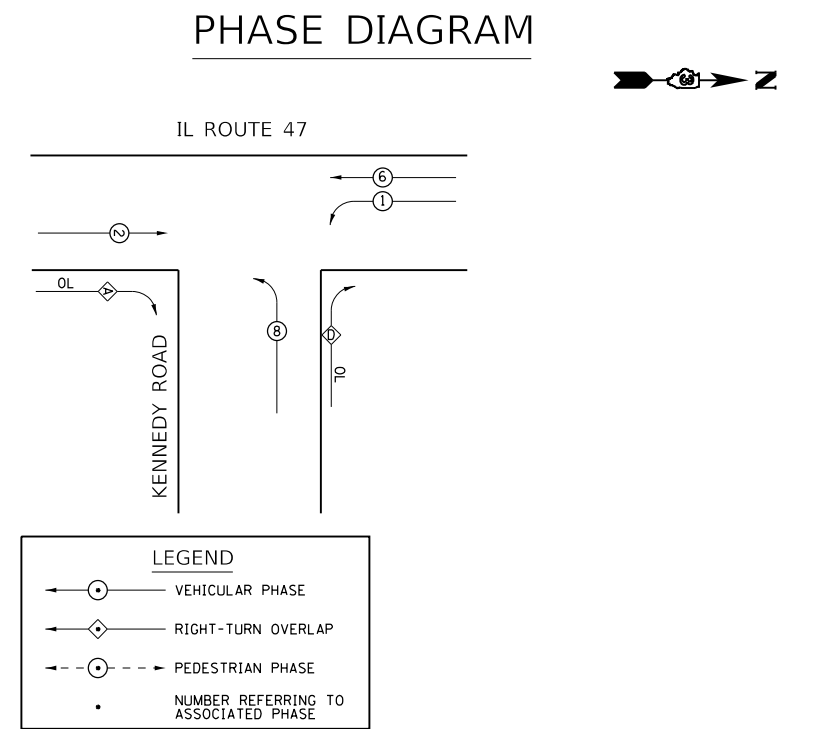
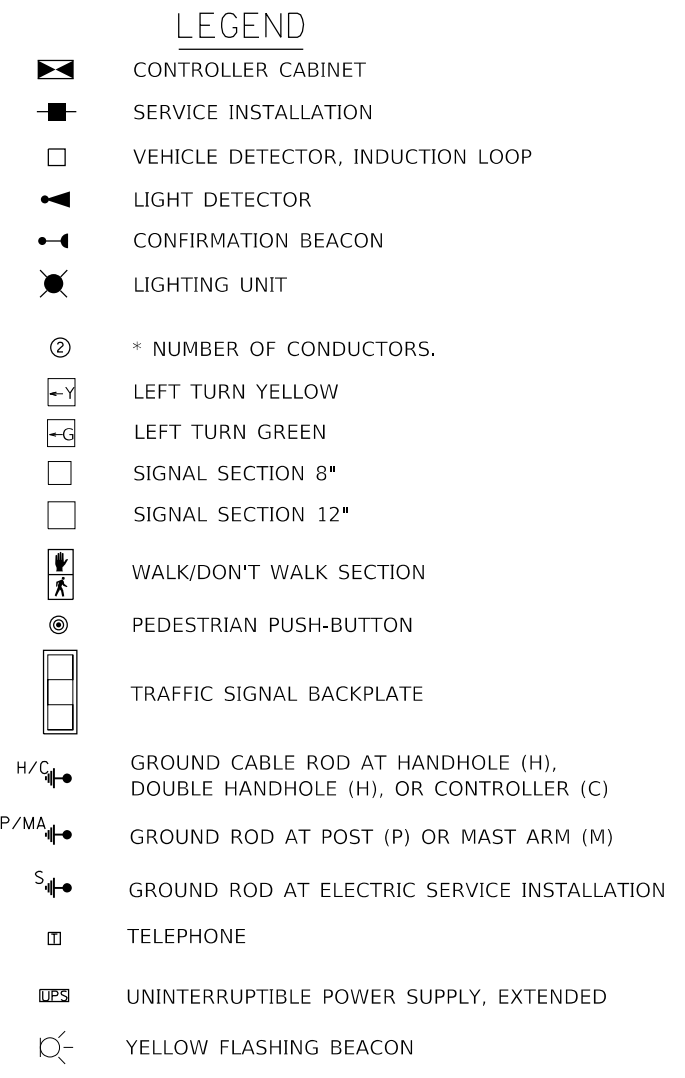
**DETAILS**  
**CABLE PLAN & PHASE DIAGRAM - CANNONBALL TRAIL**  
 SCALE: SHEET 3 OF 4 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(108)RS-5	KENDALL	43	33
CONTRACT NO. 66J56				
ILLINOIS FED. AID PROJECT				

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**CABLE PLAN**

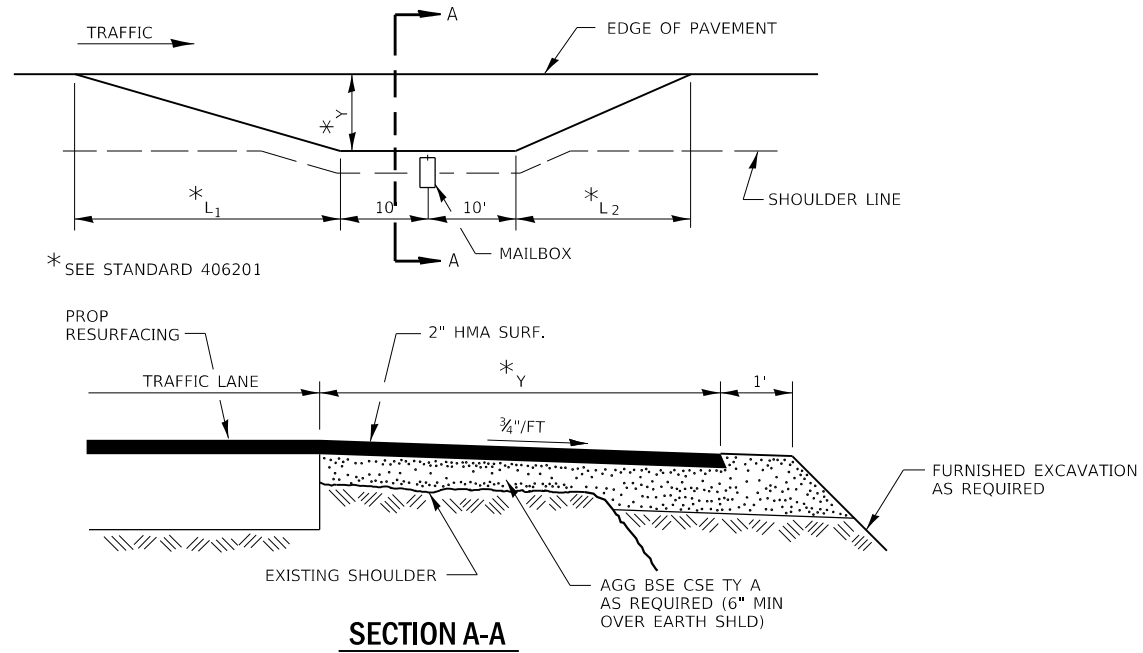


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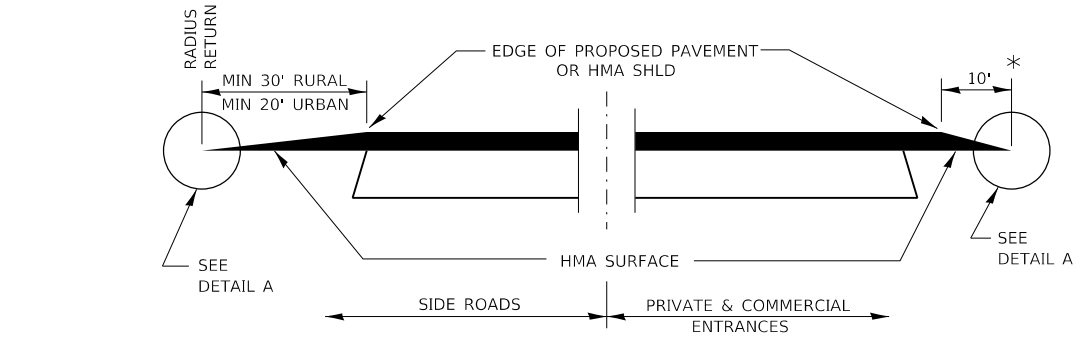
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

DETAILS	
CABLE PLAN & PHASE DIAGRAM - KENNEDY ROAD	
SCALE:	SHEET 4 OF 4 SHEETS STA. TO STA.

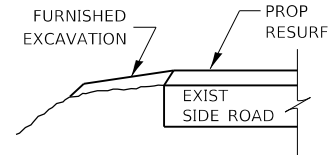
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 66J56				
ILLINOIS FED. AID PROJECT				



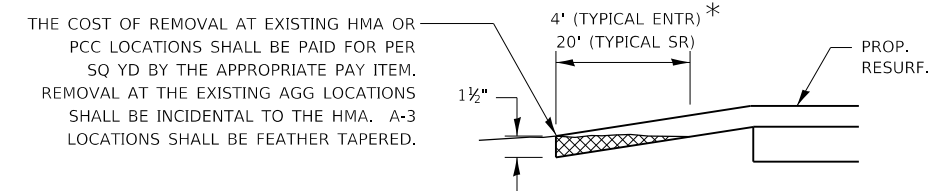
**RURAL MAILBOX TURNOUT DETAILS**



**SECTION A-A  
DETAILS AT ENTRANCES & SIDE ROADS**

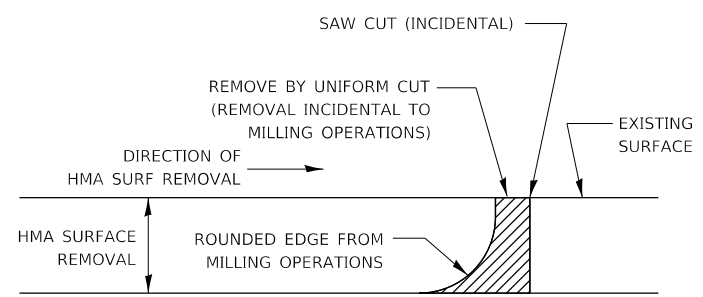


**SECTION B-B**



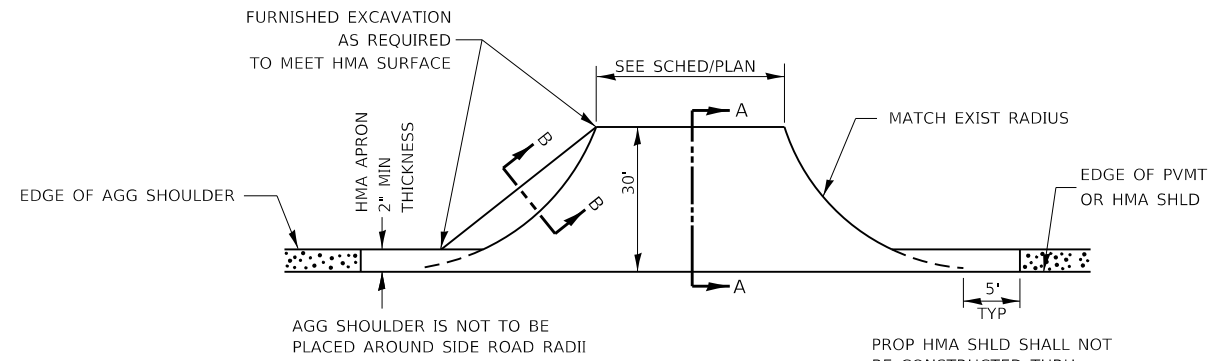
**DETAIL A**

THE COST OF REMOVAL AT EXISTING HMA OR PCC LOCATIONS SHALL BE PAID FOR PER SQ YD BY THE APPROPRIATE PAY ITEM. REMOVAL AT THE EXISTING AGG LOCATIONS SHALL BE INCIDENTAL TO THE HMA. A-3 LOCATIONS SHALL BE FEATHER TAPERED.

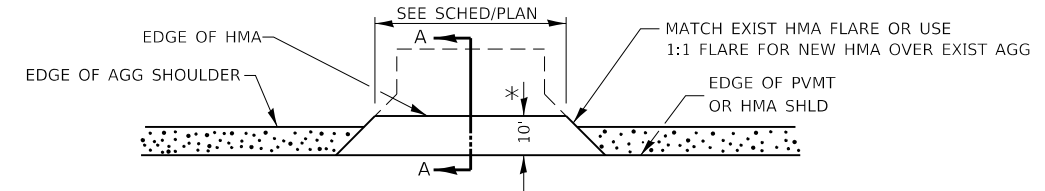


NOTE:  
WHEN MILLING OPERATIONS PRODUCE A ROUNDED EDGE, THEN A SAW CUT SHALL BE USED TO MANUFACTURE A PERPENDICULAR EDGE AS SHOWN IN THE DETAIL. THE ENGINEER SHALL BE THE SOLE JUDGE CONCERNING THE USE OF THIS DETAIL.

**HMA DETAIL AT BUTT JOINTS**



**PLAN AT SIDE ROADS**

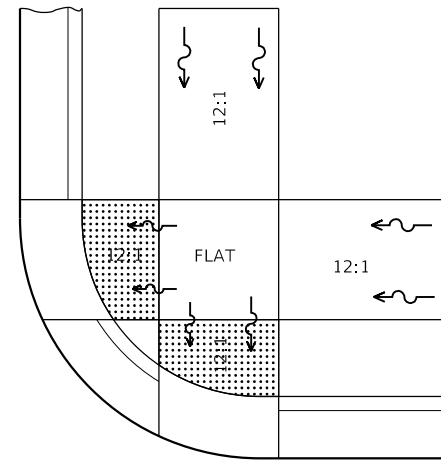
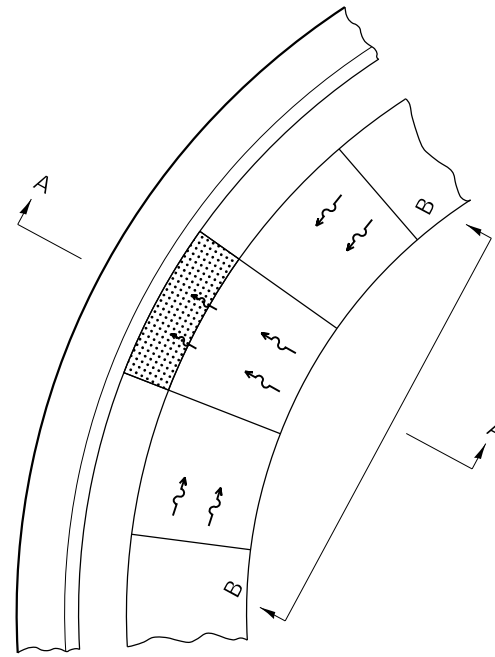


**PLAN AT PRIVATE & COMMERCIAL ENTRANCES**

(DO NOT RESURFACE FIELD ENTRANCES)

\* PROPOSED HMA RESURFACING AT PUBLIC EDUCATIONAL FACILITY ENTRANCES SHALL BE EXTENDED TO THE RIGHT-OF-WAY LIMITS.

FILE NAME =	USER NAME = nugentaj	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>DETAILS</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
pw:\IL084EB\INTEG\Illinois.gov\PWIDOT\Documents\DOT Offices\District 3\Projects\D366J56\CADD\Drawings\CAD\Drawings\Drawings.dwg		CHECKED -	REVISED -			326	(108)RS-5	KENDALL	43	35	
Default	PLOT SCALE = 100,0000' / in.	DATE -	REVISED -			CONTRACT NO. 66J56					
	PLOT DATE = 2/11/2019					SCALE:	SHEET 1 OF 9 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT	



SEE STANDARD 424001 FOR SIDE FLARE  
DETAIL & SEE PLANS FOR RAMP TYPE.

NOTES:

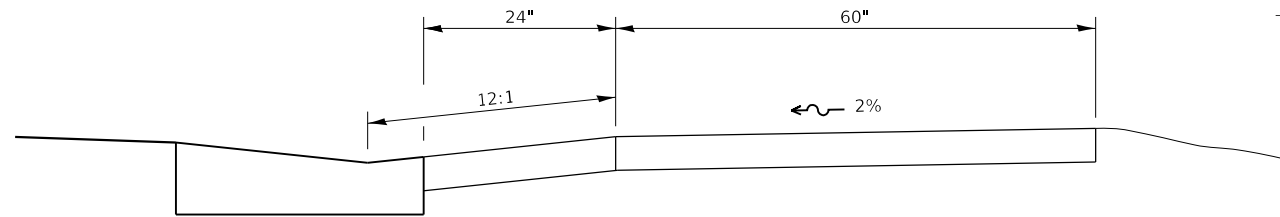
THIS DETAIL TO BE USED IN CONJUNCTION WITH STATE STANDARD 424001.

THE MAXIMUM ALLOWABLE CROSS SLOPE FOR SIDEWALK IS 2%.

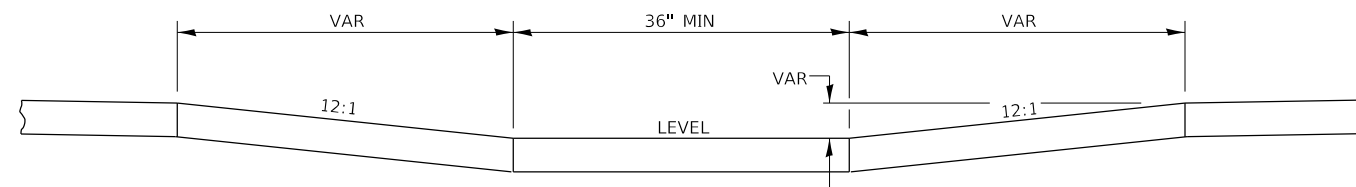
THE MAXIMUM ALLOWABLE SIDEWALK GRADE IS 8%.

IF SPACE LIMITATIONS PROHIBIT THE USE OF THE 12:1 SLOPE, THEN SLOPES BETWEEN 10:1 AND 12:1 ARE PERMITTED FOR A MAXIMUM RISE OF 6". SLOPES 8:1 AND 10:1 ARE ALLOWED FOR A MAXIMUM RISE OF 3". SLOPES STEEPER THAN 8:1 ARE NOT PERMITTED.

THE DEPRESSED CURB IS NOT STANDARD. THE RISE IS 1/2" INSTEAD OF 1 1/2".



SECTION A-A



SECTION B-B

**ADA SIDEWALK ACCESSIBILITY RAMP DETAIL**

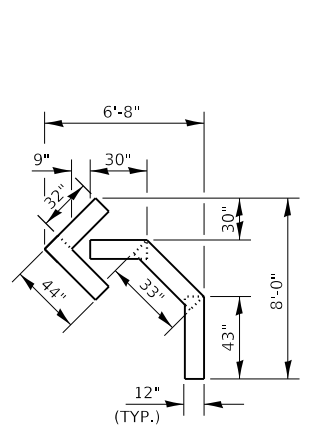
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

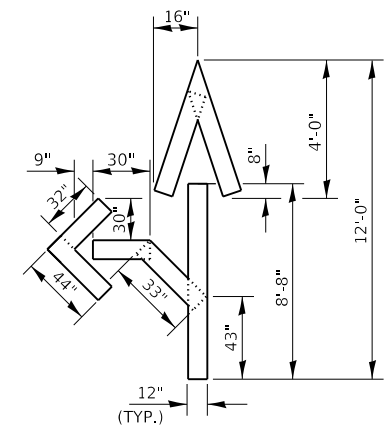
**DETAILS**

SCALE: SHEET 2 OF 9 SHEETS STA. TO STA.

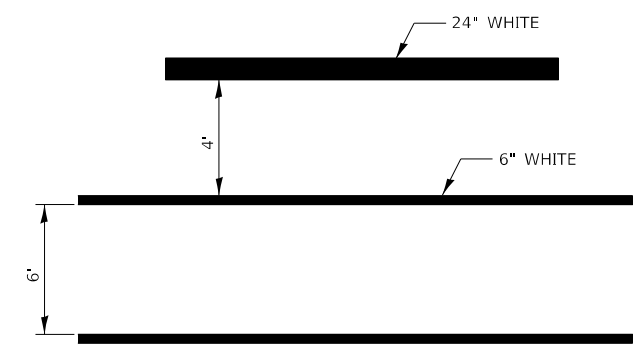
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326	(108)RS-5	KENDALL	43	36
CONTRACT NO. 66J56				
ILLINOIS FED. AID PROJECT				



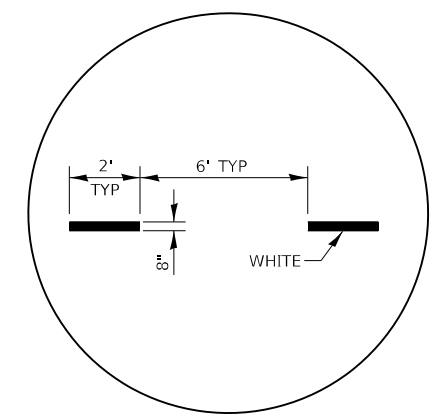
QUANTITY  
12" LINE = 16 LIN FT  
OR 4" LINE = 48 LIN FT



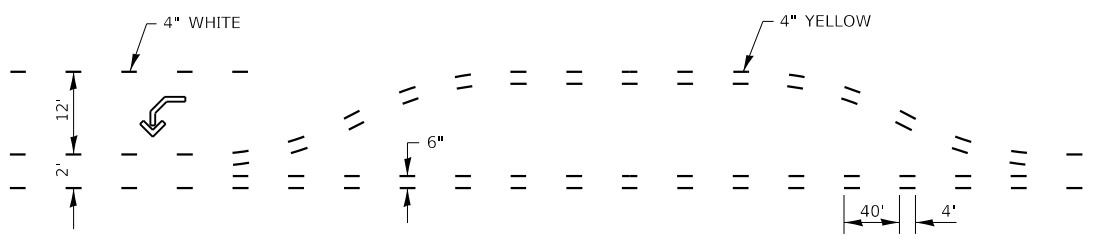
QUANTITY  
12" LINE = 29 LIN FT  
OR 4" LINE = 87 LIN FT



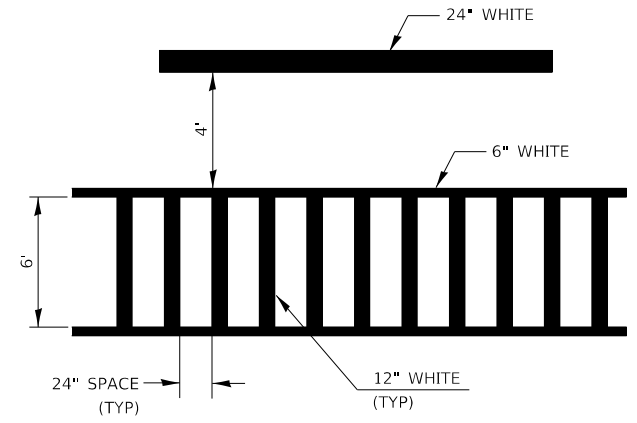
**TYPICAL SPACING DETAIL FOR  
CROSSWALKS AND STOP BARS**



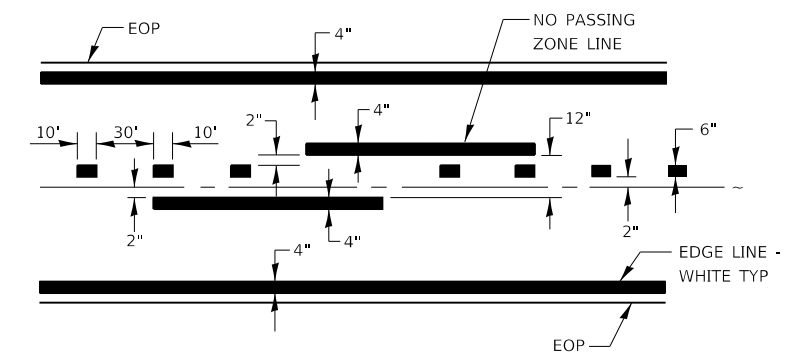
**ADVANCE AND INTERSECTION LANE  
DIVIDER LINES**



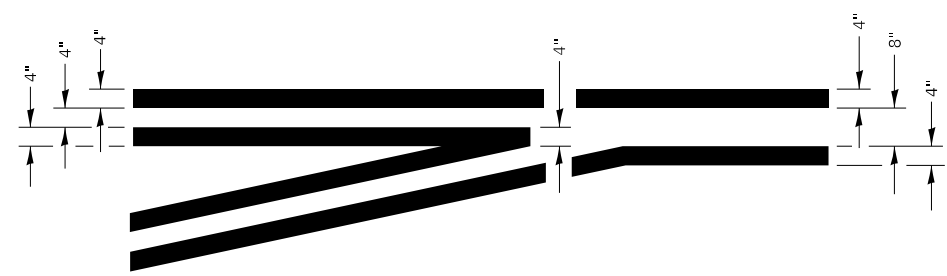
**SHORT-TERM PAVEMENT MARKING  
FOR MEDIANS AND ARROWS**



**TYPICAL SPACING DETAIL FOR  
CROSSWALKS AND STOP BARS**

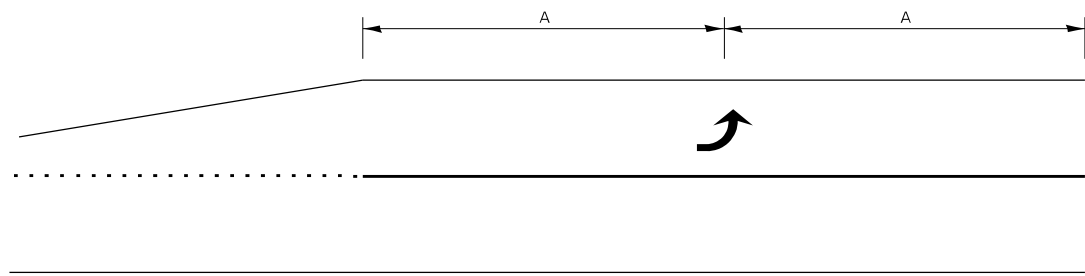


**PAVEMENT MARKING**

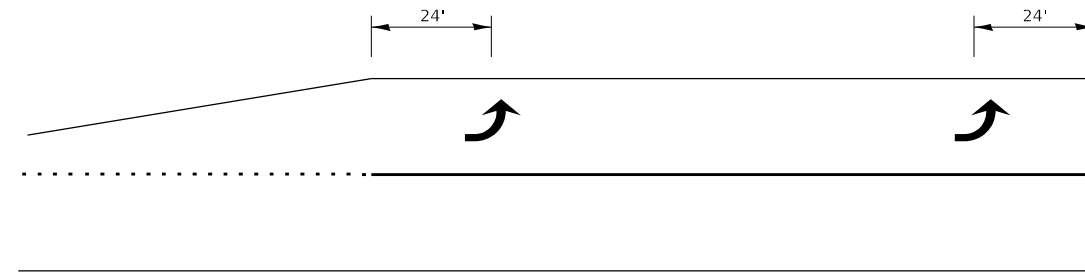


**LEFT TURN LANE  
TYPICAL APPLICATION**

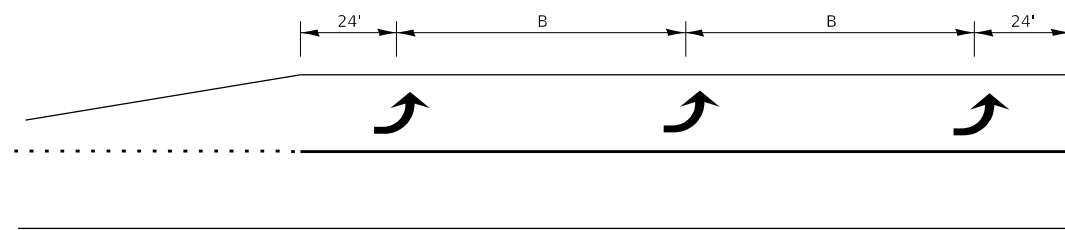
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Default	PLOT SCALE = 100.0000' / in.	DATE -	REVISED -		CONTRACT NO. 66J56			ILLINOIS	FED. AID PROJECT			
	PLOT DATE = 2/11/2019				SCALE:	SHEET 3	OF 9	SHEETS	STA.	TO STA.		



**99' AND UNDER**

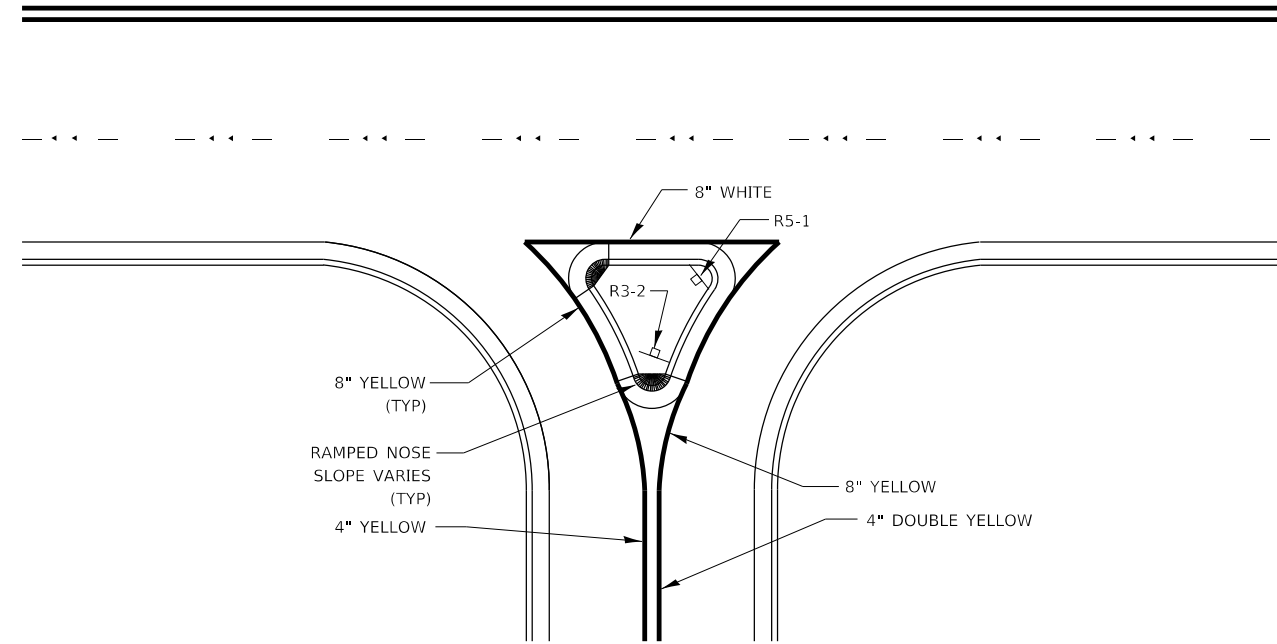


**100' TO 149'**



**150' AND LONGER**

**TYPICAL PLACEMENT OF ARROWS  
IN TURN LANES**



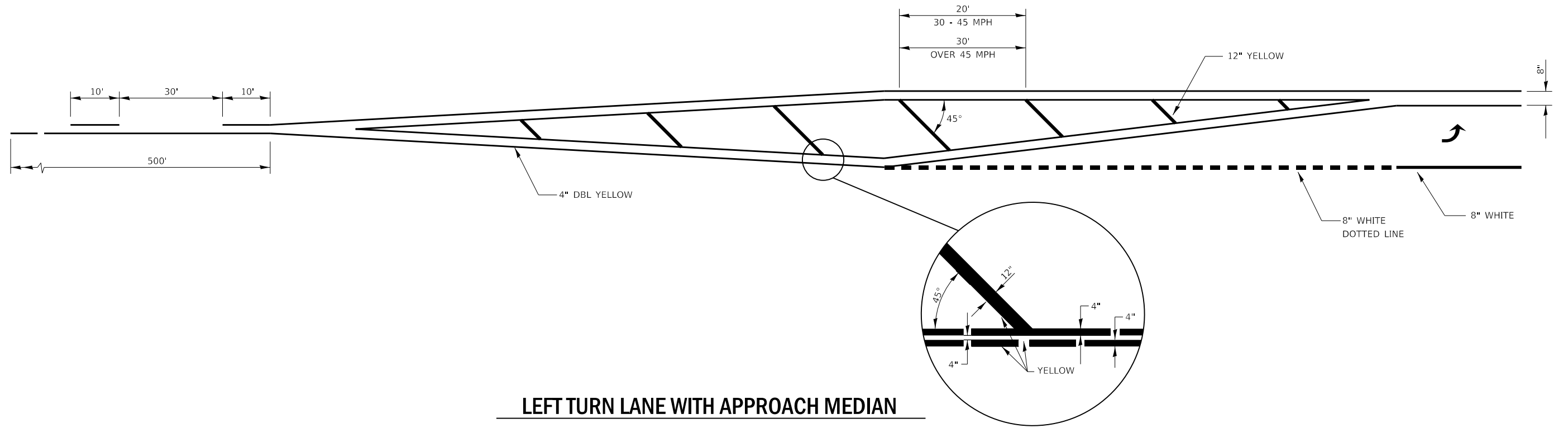
**RIGHT IN RIGHT OUT ACCESS PAVEMENT MARKING**

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	PLOT DATE = 2/11/2019	DATE -	REVISED -

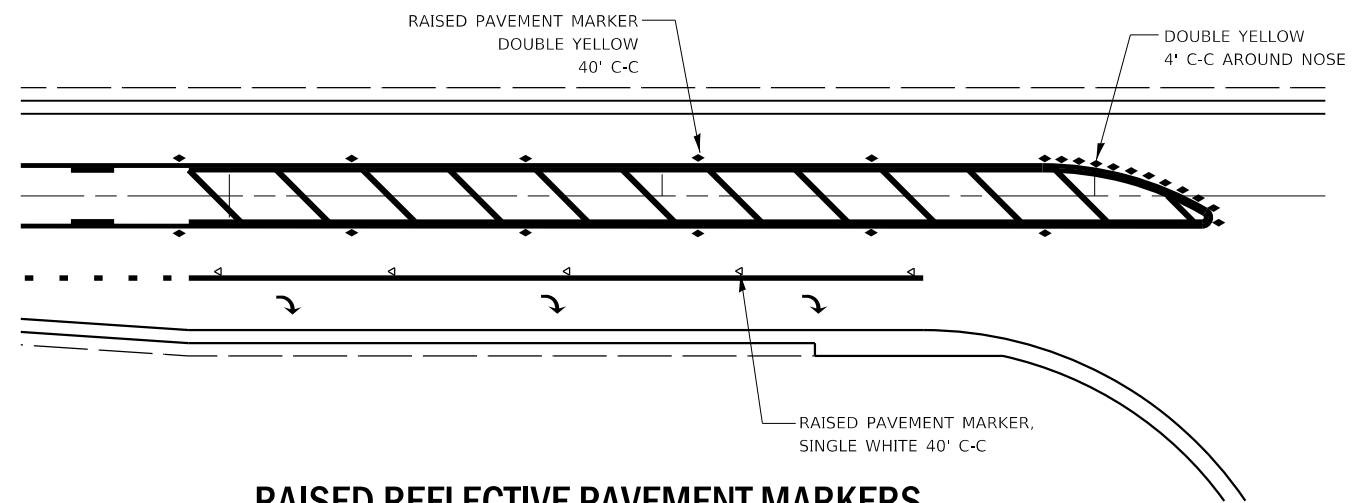
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>DETAILS</b>			
SCALE:	SHEET 4	OF 9 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(108)RS-5	KENDALL	43	38
CONTRACT NO. 66J56				
ILLINOIS FED. AID PROJECT				

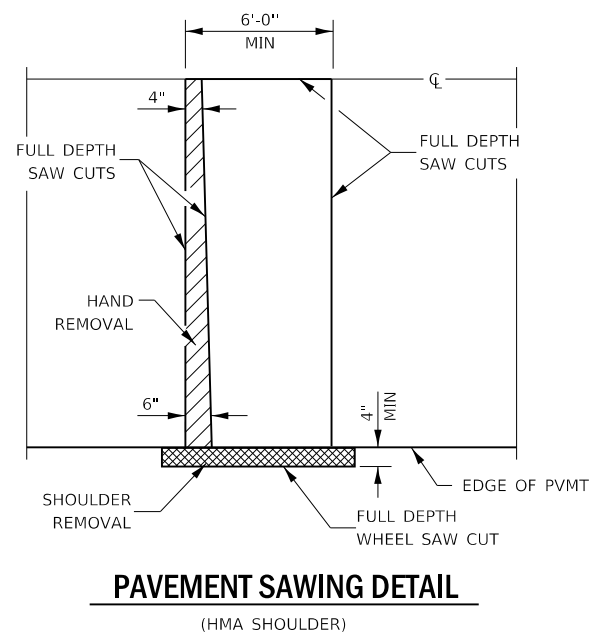


**LEFT TURN LANE WITH APPROACH MEDIAN**

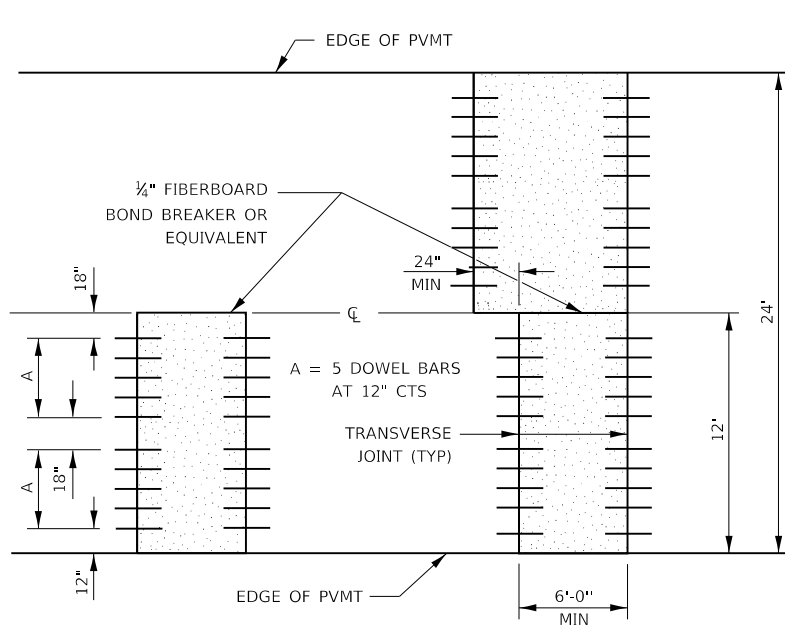


**RAISED REFLECTIVE PAVEMENT MARKERS @ RIGHT TURN LANE**

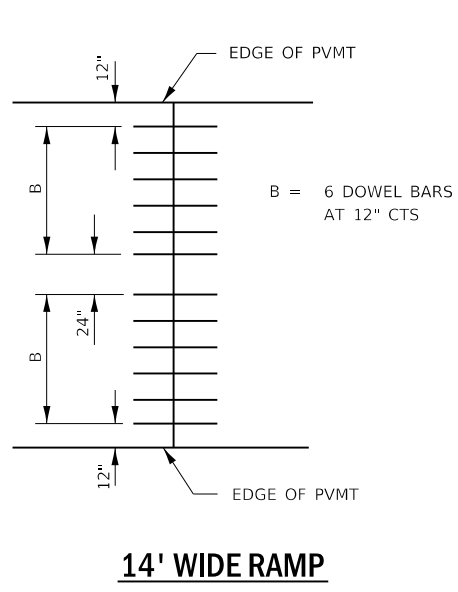
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pw:\IL084EB\INTEGR\Illinois.gov\PIWIDOT\Documents\DOT Offices\District 3\Projects\D366J56\CADDData\CADsheets\D366J56\Drawings		CHECKED -	REVISED -		SCALE:	SHEET 5	OF 9	SHEETS	STA.	TO STA.	326	(108)RS-5	KENDALL	43	39
Default	PLOT SCALE = 100.0000' / in.	DATE -	REVISED -		CONTRACT NO. 66J56										
	PLOT DATE = 2/11/2019				ILLINOIS FED. AID PROJECT										



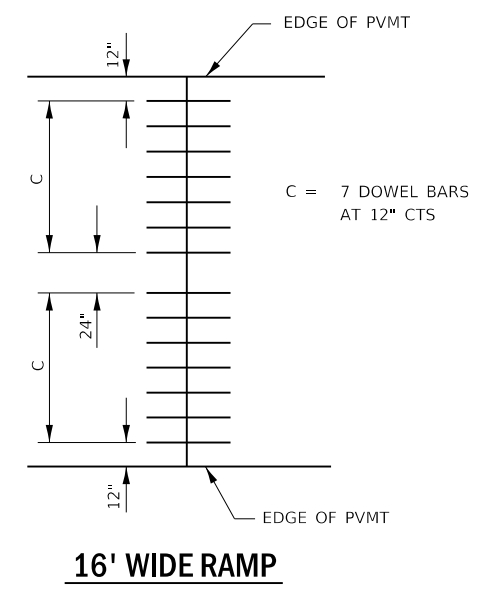
**PAVEMENT SAWING DETAIL**  
(HMA SHOULDER)



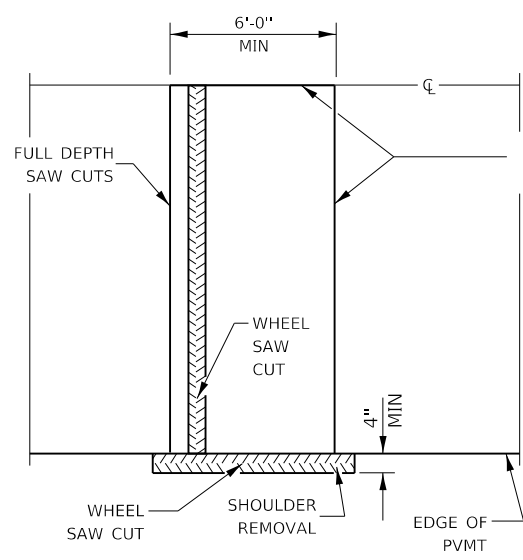
**12' WIDE LANES**



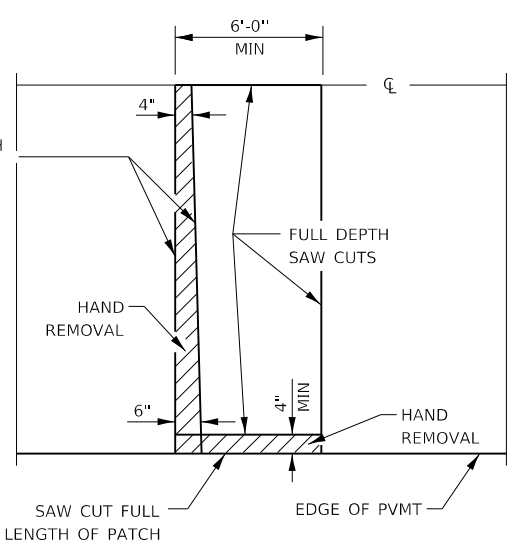
**14' WIDE RAMP**



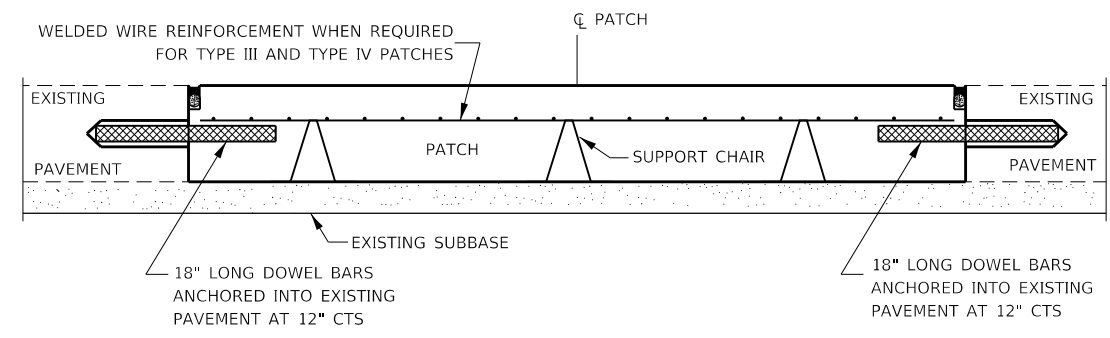
**16' WIDE RAMP**



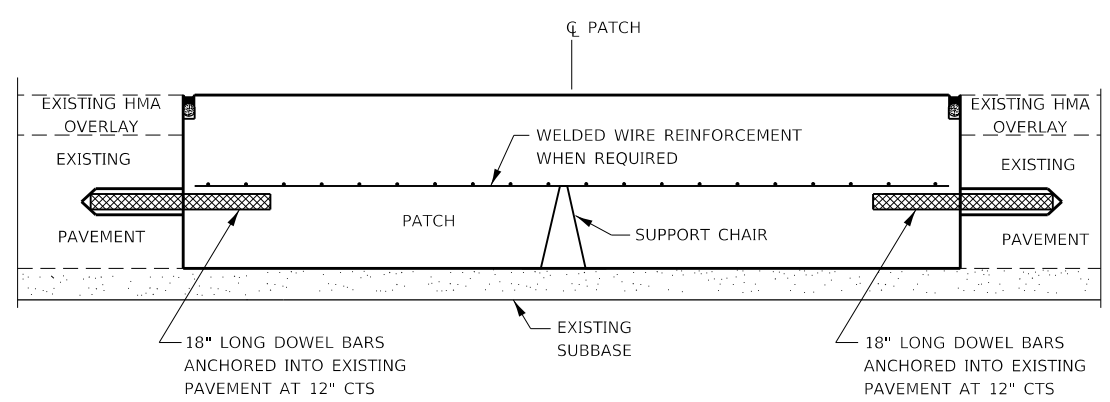
**ALTERNATE SAWING DETAIL**  
(HMA SHOULDER)



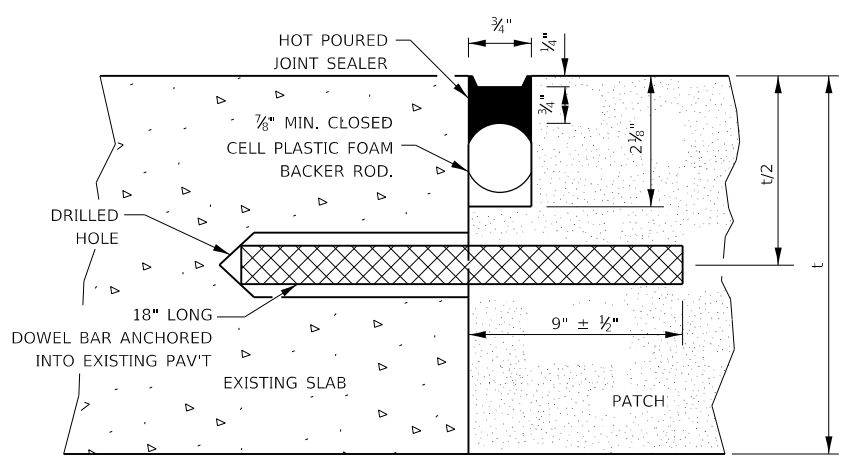
**PAVEMENT SAWING DETAIL**  
(PCC SHOULDER)



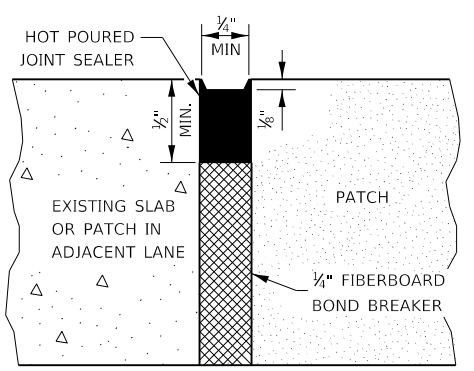
**PATCHING WITHOUT HMA OVERLAY**



**PATCHING WITH HMA OVERLAY**



**TRANSVERSE JOINT**



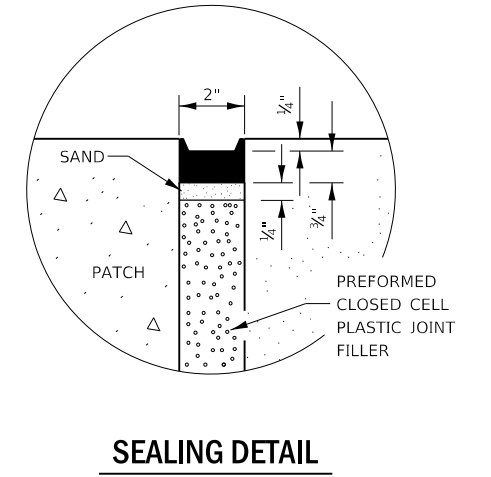
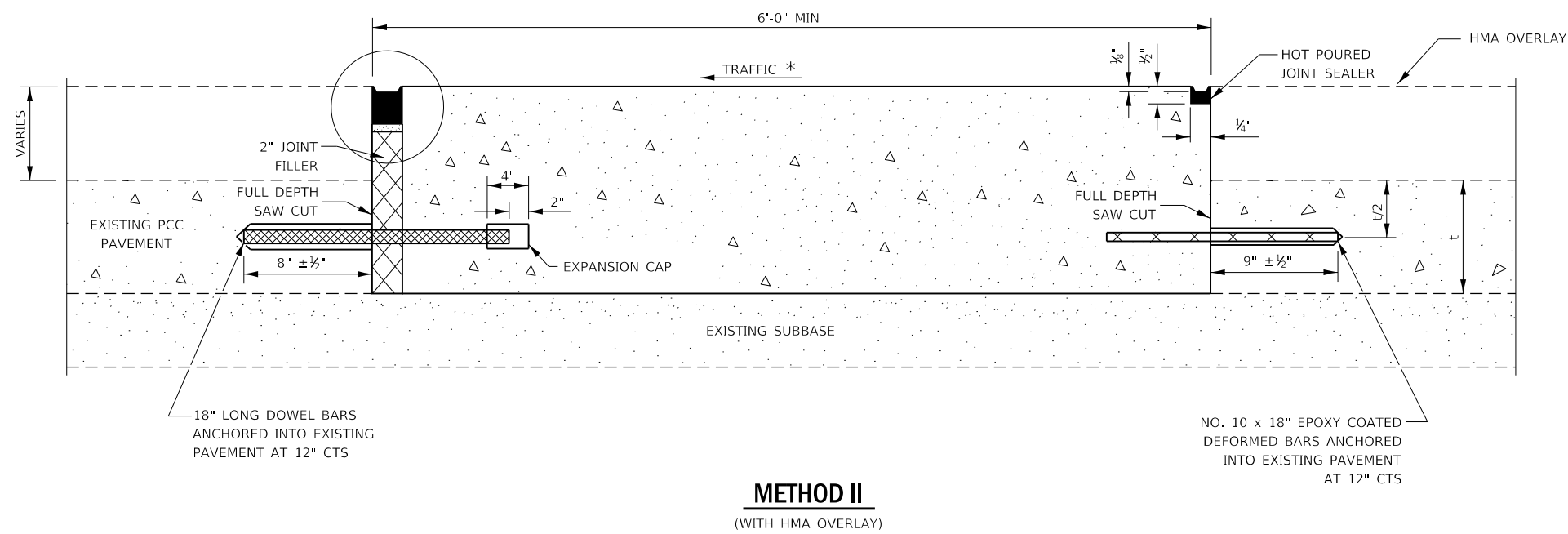
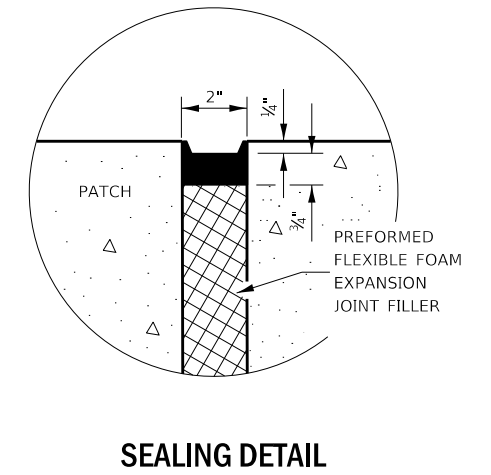
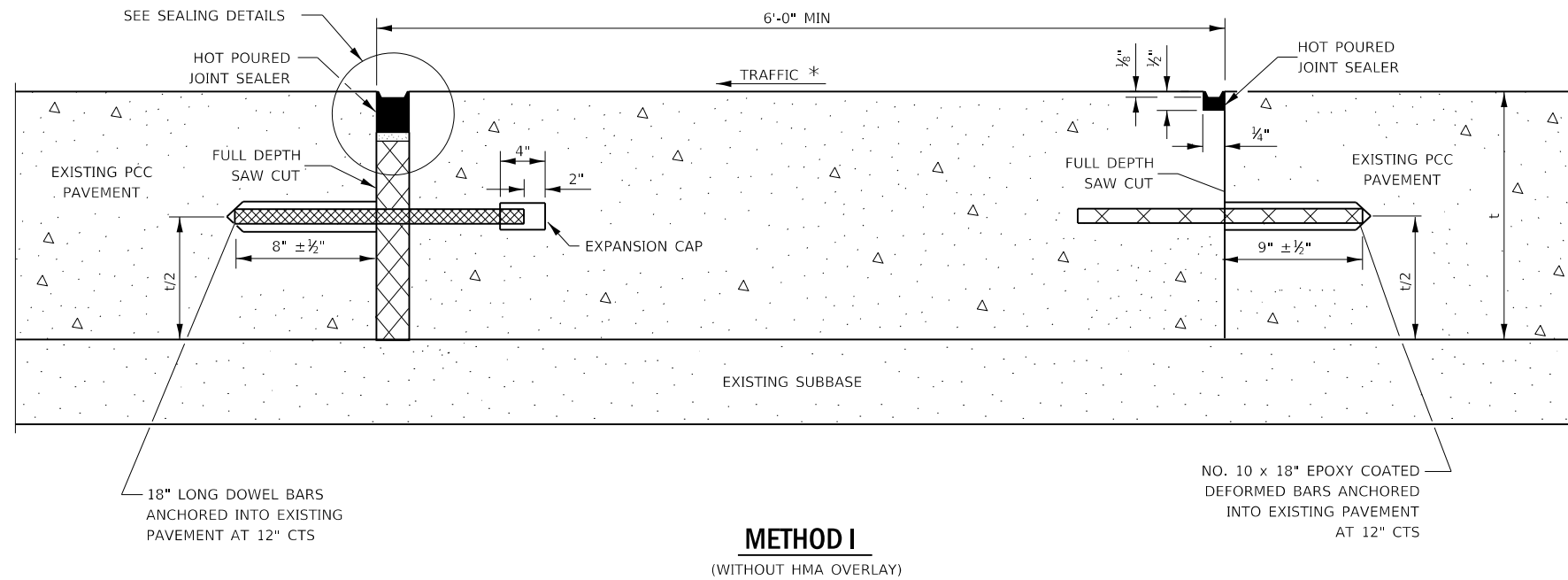
**CENTERLINE JOINT**

DOWEL BAR TABLE		
PAVEMENT THICKNESS	DOWEL BAR DIAMETER	HOLE DIAMETER
8" OR GREATER	1 1/2"	1 3/8"
7" THRU 7.99"	1 1/4"	1 3/16"
LESS THAN 7"	1"	1 3/16"

**GENERAL NOTES**

THE TRANSVERSE JOINTS FOR CLASS B PATCHES SHALL ALIGN WITH JOINTS OR CRACKS IN THE ADJACENT LANE WHENEVER POSSIBLE.  
SEE STANDARD 420701 FOR DETAILS OF PAVEMENT WELDED WIRE REINFORCEMENT.

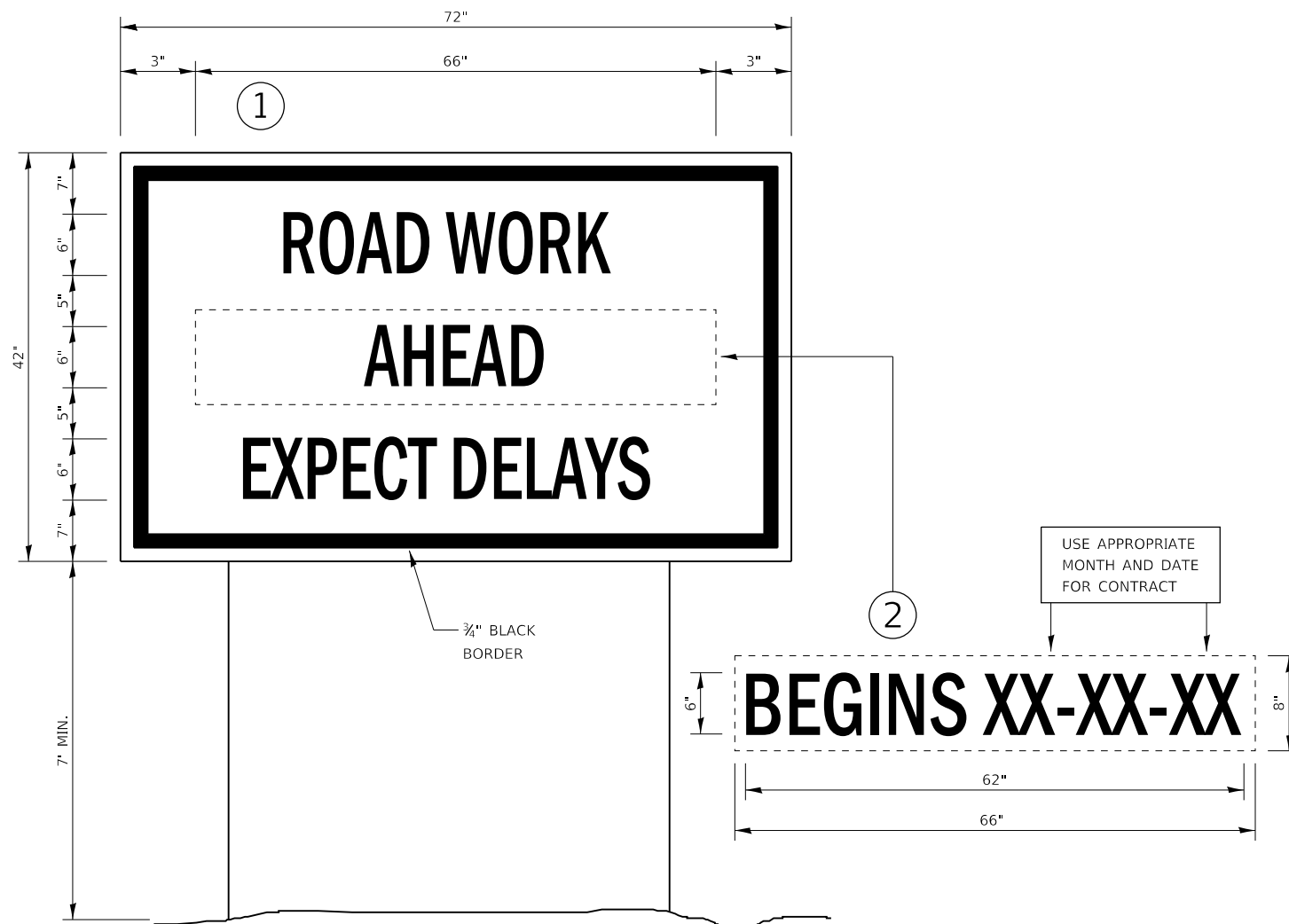




**NOTE**

\* WHEN RE-ESTABLISHING A TRANSVERSE EXPANSION JOINT ON A TWO-WAY ROAD, REVERSE THE ORIENTATION OF THE DOWEL BARS WITH RESPECT TO TRAFFIC FOR ONE OF THE PATCHES SUCH THAT THE JOINT WILL BE CONTINUOUS ACROSS BOTH LANES.

FILE NAME =	USER NAME = nugentaj	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>DETAILS CLASS B PATCHING</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
pw:\IL04EB\INTEG\Illinois.gov\PWIDOT\Documents\DOT Offices\District 3\Projects\0366\J56\CADD\CAD\Drawings\0366\0366-01.dwg		CHECKED -	REVISED -			326	(108)RS-5	KENDALL	43	41	
PLOT SCALE = 100,0000' / in.		DATE -	REVISED -			CONTRACT NO. 66J56					
Default	PLOT DATE = 2/11/2019					SCALE:	SHEET 7	OF 9	SHEETS	STA.	TO STA.

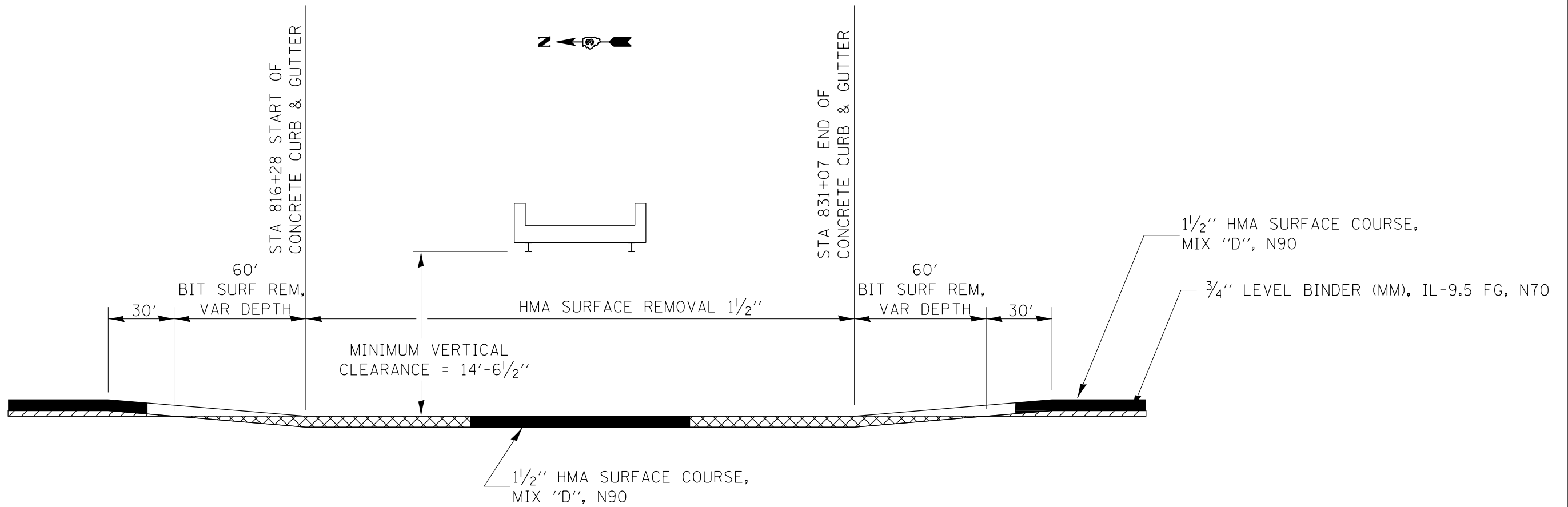


**TEMPORARY INFORMATION SIGNING**

**NOTES:**

1. USE 6" D BLACK LETTERING ON FLUORESCENT ORANGE BACKGROUND.
2. ERECT SIGNS AT LOCATIONS IN ADVANCE OF THE "ROAD CONSTRUCTION AHEAD" SIGNS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN ① WITH INSTALLED PANEL ② A MINIMUM OF ONE WEEK PRIOR TO THE START OF THE LANE CLOSURE.
4. REMOVE PANEL ② ON THAT DATE.
5. SEE SPECIAL PROVISION "TEMPORARY INFORMATION SIGNING" FOR ADDITIONAL INFORMATION.
6. WILL BE PAID FOR PER SQ FT AS "TEMPORARY INFORMATION SIGNING". EACH SIGN = 21 SQ FT AND THE DATE PANEL ② WILL NOT BE MEASURED SEPARATELY FOR PAYMENT.

FILE NAME =	USER NAME = nugentaj	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>DETAILS</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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Default	PLOT SCALE = 100.0000' / in.	DATE -	REVISED -		CONTRACT NO. 66J56							
	PLOT DATE = 2/11/2019				SCALE:	SHEET 8	OF 9	SHEETS	STA.	TO STA.	ILLINOIS	FED. AID PROJECT



**MILLING DETAIL AT THE BNSF RAILWAY STRUCTURE  
STATION 823+15**

FILE NAME =	USER NAME = nugentaj	DESIGNED -	REVISED -
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Default	PLOT DATE = 2/11/2019	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DETAILS**

SCALE: SHEET 9 OF 9 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(108)RS-5	KENDALL	43	43
CONTRACT NO. 66J56				
ILLINOIS FED. AID PROJECT				