

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. No.	SECTION	COUNTY	TOTAL SHEETS	NO.
333	2017-054-RS	MC HENRY	65	1
		ILLINOIS	CONTRACT NO. 62F91	

FOR INDEX OF SHEETS, SEE SHEET NO. 2

PROJECT IS LOCATED IN THE CITIES OF
WOODSTOCK AND MCHENRY, VILLAGES
OF BULL VALLEY AND WONDER LAKE

TRAFFIC DATA:

2017 ADT = 14600 VPD

SPEED LIMIT =
IL 47 TO RAFFLE ROAD 30-45 MPH
RAFFLE ROAD TO MARTIN ROAD 50-55 MPH

**PROPOSED
HIGHWAY PLANS**

ROUTE FAP 333 (IL 120)
IL 47 TO MARTIN ROAD
SECTION 2017-054-RS
PROJECT NHPP-C3RA(513)
SMART OVERLAY, MILLED RUMBLE STRIP
DRAINAGE, ADA IMPROVEMENTS

McHENRY COUNTY

C-91-079-18

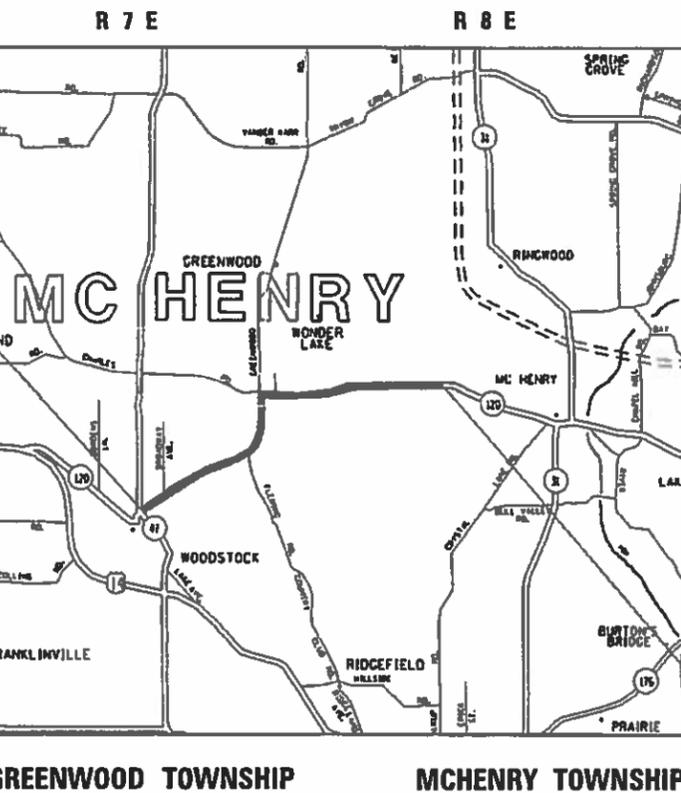


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD
ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT
CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS
ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123
OR 811

PROJECT ENGINEER VESELIN VELICHKOV (847) 705-4432
PROJECT MANAGER FAWAD AQUEEL (847) 705-4247

CONTRACT NO. 62F91



PROJECT BEGINS
STA 14+90

LOCATION MAP
(NOT TO SCALE)

PROJECT ENDS
STA 429+25

GROSS LENGTH = 41184.0 FT. = 7.80 MILE
NET LENGTH = 41184.0 FT. = 7.80 MILE

D-91-222-18



LOCATION OF SECTION INDICATED THUS: -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED December 20 19
Anthony J. Vasilij REGIONAL ENGINEER
Jan 31 20 20
ENGINEER OF DESIGN AND ENVIRONMENT
Jan 31 20 20
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

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OF THE STATE OF ILLINOIS

INDEX OF SHEETS

STATE STANDARDS

GENERAL NOTES

SHEET NO.	DESCRIPTION	STANDARD NO.	DESCRIPTION
1	COVER SHEET	000001-07	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
2-3	INDEX OF SHEETS, STATE STANDARDS & GENERAL NOTES	424001-11	PERPENDICULAR CURB RAMP FOR SIDEWALKS
4-7	SUMMARY OF QUANTITIES	424021-04	DEPRESSED CORNER FOR SIDEWALKS
8-9	TYPICAL SECTIONS	442201-03	CLASS C AND D PATCHES
10-24	ROADWAY AND PAVEMENT MARKING PLANS	482011-03	HMA SHLD. STRIPS/SHLDS. WITH RESURFACING OR WIDENING AND RESURFACING PROJECTS
25-29	DETECTOR LOOP REPLACEMENT PLANS	635001-02	DELINEATORS
30-40	CURB RAMP DETAILS (ADA IMPROVEMENT)	642006	SHOULDER RUMBLE STRIPS, 8 IN.
41-42	DRYWELLS - ALIGNMENTS TIES & BENCHMARKS	701006-05	OFF-RD OPERATIONS, 2L, 2W, 15' (4.5m) TO 24" (600mm) FROM PAVEMENT EDGE
43-44	DRYWELLS - PLANS	701011-04	OFF-RD MOVING OPERATIONS, 2L, 2W, DAY ONLY
45-46	DRYWELLS - TRAFFIC CONTROL (MOT)	701201-05	LANE CLOSURE, 2L, 2W, DAY ONLY FOR SPEEDS ≥ 45 MPH
47	DRYWELLS - EROSION & SEDIMENT CONTROL & LANDSCAPING PLAN	701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
48	DRYWELLS - DETAIL	701306-04	LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS > 45 MPH
49	BD-01: DRIVEWAY DETAILS - DISTANCE BETWEEN R.O.W. AND FACE OF CURB OR EDGE OF SHOULDER GREATER THAN OR EQUAL TO 15' (4.5 M)	701311-03	LANE CLOSURE 2L, 2W MOVING OPERATIONS - DAY ONLY
50	BD-02: DRIVEWAY DETAILS - DISTANCE BETWEEN R.O.W. AND FACE OF CURB IS LESS THAN 15' (4.5 M)	701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
51	BD-08: DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING	701502-09	URBAN LANE CLOSURE, 2L, 2W, WITH BIDIRECTIONAL LEFT TURN LANE
52	BD-22: PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT	701701-10	URBAN LANE CLOSURE MULTILANE INTERSECTION
53	BD-24: CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT	701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
54	BD-32: BUTT JOINT AND HMA TAPER DETAILS	701901-08	TRAFFIC CONTROL DEVICES
55	BD-55: RUMBLE STRIPES FOR CENTERLINE, NON - FREEWAY	704001-08	TEMPORARY CONCRETE BARRIER
56	TC-10: TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS AND DRIVEWAYS	782006-01	GUARDRAIL AND BARRIER REFLECTOR MOUNTING DETAILS
57	TC-11: TYPICAL APPLICATIONS: RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)	814001-03	HANDHOLES
58	TC-13: DISTRICT ONE TYPICAL PAVEMENT MARKINGS		
59	TC-14: TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) NOT APPLICABLE TO THIS CONTRACT		
60	TC-16: PAVEMENT MARKING LETTERS AND SYMBOLS FOR TRAFFIC STAGING		
61	TC-22: ARTERIAL ROAD INFORMATION SIGN		
62	TC-26: DRIVEWAY ENTRANCE SIGNING		
63	TS-05: DISTRICT 1 - STANDARD TRAFFIC SIGNAL DESIGN DETAILS (SHEET 2 OF 7)		
64	TS-07: DISTRICT 1 - DETECTOR LOOP INSTALLATION DETAILS FOR ROADWAY RESURFACING		
65	PD-01: PROJECT DETAIL FOR SINGLE PERPENDICULAR CURB RAMPS		

- BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" AT (800) 892-0123 OR 811 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE, AND GAS FACILITIES. (48 HOUR NOTIFICATION REQUIRED)
- THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES, CITY OF WOODSTOCK AND THE VILLAGE OF MCHENRY.
- FRAMES AND GRATES ADJUSTMENT OF PRIVATE UTILITIES WITHIN THE LIMITS OF THE IMPROVEMENTS SHALL BE DONE BY THEIR RESPECTIVE OWNERS AND ARE NOT PART OF THIS CONTRACT.
- THE CONTRACTOR SHALL CONTACT DISTRICT ONE ARTERIAL TRAFFIC CONTROL SUPERVISOR AT KALPANA.KANNAN-HOSADURGA@ILLINOIS.GOV A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
- THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT THE WRITTEN PERMISSION OF THE DEPARTMENT.
- UNLESS OTHER CONDITIONS WARRANT EXTENDED LANE CLOSURE AS DETERMINED AND APPROVED IN WRITING BY THE RESIDENT ENGINEER OR AS PROVIDED FOR IN THE CONTRACT SPECIFICATIONS, OVERNIGHT CLOSURES SHALL NOT BE ALLOWED FOR REHABILITATION PROJECTS INVOLVING DAYTIME MILLING AND RESURFACING OPERATIONS AND CLASS D PATCHING.
- BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL RETAIN AND RECORD FOR FUTURE REFERENCE, ALL EXISTING PAVEMENT MARKING LINES (AND RAISED REFLECTIVE PAVEMENT MARKERS) IN ORDER THAT THESE LOCATIONS CAN BE RE-ESTABLISHED FOR STRIPING.
- WHEN MILLED PAVEMENT IS OPEN TO TRAFFIC, THE MAXIMUM GRADE DIFFERENTIAL BETWEEN PASSES OF THE MILLING MACHINE SHALL NOT EXCEED 1½ INCHES WHERE THE SPEED LIMIT IS 45 MPH OR LESS, AND 1 INCH WHERE THE SPEED LIMIT IS OVER 45 MPH. WITH WRITTEN APPROVAL FROM THE RESIDENT ENGINEER, A MAXIMUM GRADE DIFFERENTIAL OF 3 INCHES MAY BE ALLOWED IF THE EDGE OF THE MILLING IS SLOPED A MINIMUM OF 1V:3H.
- ANY LOOSE MATERIAL DEPOSITED IN THE FLOW LINE OF CURB OR DRAINAGE STRUCTURES, WHICH OBSTRUCTS THE NATURAL FLOW OF WATER, SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY.
- EXISTING BROKEN FRAMES AND LIDS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AND SHALL BE REPLACED AS DIRECTED BY THE ENGINEER. REPLACEMENT FRAMES AND LIDS WILL BE PAID FOR ACCORDING TO ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS, UNLESS A SEPARATE PAY ITEM HAS BEEN PROVIDED.
- THE CONTRACTOR SHALL USE CARE IN GRADING OR EXCAVATING NEAR ANY AND ALL EXISTING ITEMS THAT WILL NOT BE REMOVED INCLUDING PREVIOUSLY SEEDED AREAS. ANY DAMAGE DONE TO EXISTING ITEMS BY THE CONTRACTOR SHALL BE REPAIRED AT THE CONTRACTOR'S OWN EXPENSE TO THE SATISFACTION OF THE ENGINEER.
- LOCATIONS OF COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT [OR COMBINATION CURB AND GUTTER (THE TYPE SPECIFIED ON THE PLANS)], WILL BE DETERMINED IN THE FIELD BY THE RESIDENT ENGINEER / TECHNICIAN.
- CATCH BASINS, MANHOLES, INLETS, DRAINAGE STRUCTURES AND VALVE VAULTS ADJUSTMENT AND/OR RECONSTRUCTION LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE RESIDENT ENGINEER / TECHNICIAN.
- BUTT JOINTS WILL BE INSTALLED AT THE ENDS OF RESURFACING (WHERE RESURFACING MEETS EXISTING PAVEMENT) IN ACCORDANCE WITH THE "BUTT JOINT AND HMA TAPER DETAILS" SHEET INCLUDED IN THE PLANS, UNLESS OTHERWISE SPECIFIED.
- THE RESIDENT ENGINEER SHALL CONTACT WALTER CZARNY, AREA TRAFFIC FIELD ENGINEER, VIA E-MAIL AT WALTER.CZARNY@ILLINOIS.GOV, A MINIMUM OF 2 WEEKS PRIOR TO PLACEMENT OF PERMANENT PAVEMENT MARKINGS.

SEE SHEET 3 FOR CONTINUATION

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DRAWN -	REVISED -	333				2017-054RS	MCHENRY	65	2	
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.		CONTRACT NO. 62F91				
PLOT DATE = 1/23/2020	DATE -	REVISED -		ILLINOIS FED. AID PROJECT						

GENERAL NOTES (CONTINUED)

16. ALL DAMAGE TO EXISTING PAVEMENT MARKINGS OR RAISED REFLECTIVE PAVEMENT MARKERS OUTSIDE THE REMOVAL LINE SHOWN ON THE PLANS SHALL BE REPLACED AT NO ADDITIONAL COST TO THE DEPARTMENT.
17. ANY PAVEMENT MARKINGS AND RAISED REFLECTIVE PAVEMENT MARKERS OBLITERATED BY MILLING AND RESURFACING OPERATIONS ON SIDE STREETS AND ENTRANCES SHALL BE REPLACED AND PAID FOR IN KIND.
18. THE GENERAL CONTRACTOR IS REQUIRED TO HIRE AN ENVIRONMENT FIRM TO CONTINUOUSLY MONITOR FOR WORKER SAFETY AND SOIL CONTAMINATION AT SEVERAL LOCATIONS. SEE SPECIAL PROVISION AND SUPPLEMENTAL SPECIFICATIONS FOR DETAILS.
19. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
20. THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTY AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.
21. ALL CAST OPEN LIDS FOR FRAMES, TYPE 1, WITHIN CURB RAMPS FOR SIDEWALK, SHALL BE "ADA COMPLIANT" CAST OPEN LIDS PER HIGHWAY STANDARD 604001.
22. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPLACEMENT OF ANY DETECTOR LOOPS DAMAGED DURING CONSTRUCTION.
23. PAVEMENT PATCHING LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE RESIDENT ENGINEER / TECHNICIAN.
24. WHEN EXISTING SIDEWALK IS TO BE REMOVED WITHOUT PROPOSED SIDEWALK REPLACEMENT, IT SHALL BE REPLACED WITH TOPSOIL AND SOD.
25. PAVEMENT MARKING TAPE, TYPE III SHALL BE USED FOR SHORT TERM PAVEMENT MARKINGS ON ALL FINAL SURFACES.
26. THE CONTRACTOR SHALL MAINTAIN PEDESTRIAN ACCESS AT ALL TIMES DURING CONSTRUCTION.
27. GAPS BETWEEN SUCCESSIVE LANE CLOSURES SHALL NOT BE LESS THAN 2 MILES (3 KM) IN LENGHT ACCORDING TO ARTICLE 701.05 MAXIMIM LENGTH OF LANE CLOSURE
28. DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.

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	DRAWN -	REVISED -			333	2017-054RS	MCHENRY	65	3
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -			CONTRACT NO. 62F91				
PLOT DATE = 12/13/2019	DATE -	REVISED -			ILLINOIS FED. AID PROJECT				
				SCALE:	SHEET	OF	SHEETS	STA.	TO STA.

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT		0005 80% FED 20% STATE	0005 100% STATE	0005 80% FED 20% STATE DRY WELLS		
20200100	EARTH EXCAVATION	CU YD	41	41				
21101615	TOPSOIL FURNISH AND PLACE, 4"	SO YD	222	222				
25000210	SEEDING, CLASS 2A	ACRE	0.05	0.05				
25000312	SEEDING, CLASS 4A	ACRE	0.05	0.05				
25200110	SODDING, SALT TOLERANT	SO YD	1143	1143				
28000400	PERIMETER EROSION BARRIER	FOOT	350		350			
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	78480	78480				
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	265	265				
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SO YD	386	386				
40601005	HOT-MIX ASPHALT REPLACEMENT OVER PATCHES	TON	1018	1018				
40604062	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70	TON	19540	19540				
42001300	PROTECTIVE COAT	SO YD	828	828				
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SO FT	3248	3248				

SUMMARY OF QUANTITIES				TOTAL QUANTITIES	CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT	0005 80% FED 20% STATE		0005 100% STATE	0005 80% FED 20% STATE DRY WELLS			
* 42400800	DETECTABLE WARNINGS	SO FT	433	433					
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SO YD	174384	174384					
44000600	SIDEWALK REMOVAL	SO FT	3312	3312					
44002212	HOT-MIX ASPHALT REMOVAL OVER PATCHES, 3"	SO YD	6059	6059					
44201749	CLASS D PATCHES, TYPE I, 9 INCH	SO YD	64	64					
44201753	CLASS D PATCHES, TYPE II, 9 INCH	SO YD	3240	3240					
44201757	CLASS D PATCHES, TYPE III, 9 INCH	SO YD	1680	1680					
44201759	CLASS D PATCHES, TYPE IV, 9 INCH	SO YD	1075	1075					
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	1248	1248					
52200020	TEMPORARY SOIL RETENTION SYSTEM	SO FT	1920		1920				
550A0040	STORM SEWERS, CLASS A, TYPE 1 10"	FOOT	10		10				
60100080	FRENCH DRAINS	CU YD	34		34				
60100085	GEOTECHNICAL FABRIC FOR FRENCH DRAINS	SQ YD	480		480				
60108208	PIPE UNDERDRAINS, TYPE 2, 8"	FOOT	300		300				

* = SPECIALTY ITEMS
△ = NON-PARTICIPATING WORK (100% STATE)

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

IL 120 (IL 47 TO MARTIN ROAD) SUMMARY OF QUANTITIES			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
333	2017-054RS	MCHENRY	65	4
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 62F91	

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE				TOTAL QUANTITIES	SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE			
CODE NO	ITEM	UNIT		0005 80% FED 20% STATE	0005 100% STATE	0005 80% FED 20% STATE	0005 100% STATE		0005 80% FED 20% STATE	0005 100% STATE	0005 80% FED 20% STATE		0005 100% STATE	0005 80% FED 20% STATE	0005 100% STATE	0005 80% FED 20% STATE
70300250	TEMPORARY PAVEMENT MARKING - LINE 8"	FOOT	600	600				* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	489	489				
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	2560	2560				* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	1641	1641				
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	489	489				* 78200011	BARRIER WALL REFLECTORS, TYPE C	EACH	6			6		
70300520	PAVEMENT MARKING TAPE, TYPE III 4"	FOOT	7420	7420				78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	1641	1641				
70400100	TEMPORARY CONCRETE BARRIER	FOOT	72													
70600260	IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	4					* 85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1	1				
* 72400310	REMOVE SIGN PANEL - TYPE 1	SO FT	1	1				* 88600600	DETECTOR LOOP REPLACEMENT	FOOT	2651	2651				
* 72400710	RELOCATE SIGN PANEL - TYPE 1	SO FT	1	1				* 89500400	RELOCATE EXISTING PEDESTRIAN PUSH-BUTTON	EACH	2	2				
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SO FT	1430	1430				X0320050	CONSTRUCTION LAYOUT (SPECIAL)	L SUM	1	1				
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	154091	154091				X0326898	CENTER LINE - RUMBLE STRIP - 16"	FOOT	22421	22421				
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	5200	5200				X2020110	GRADING AND SHAPING SHOULDERS	UNIT	624	624				
* 78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	600	600				△ X5537800	STORM SEWERS TO BE CLEANED 12"	FOOT	1000		1000			
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	2560	2560				X6030310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	29	29				
								X7030005	TEMPORARY PAVEMENT MARKING REMOVAL	SO FT	81400	81400				
								X7040125	PINNING TEMPORARY CONCRETE BARRIER	EACH	36			36		

* = SPECIALTY ITEMS
 △ = NON-PARTICIPATING WORK (100% STATE)

LEGEND - EXISTING:

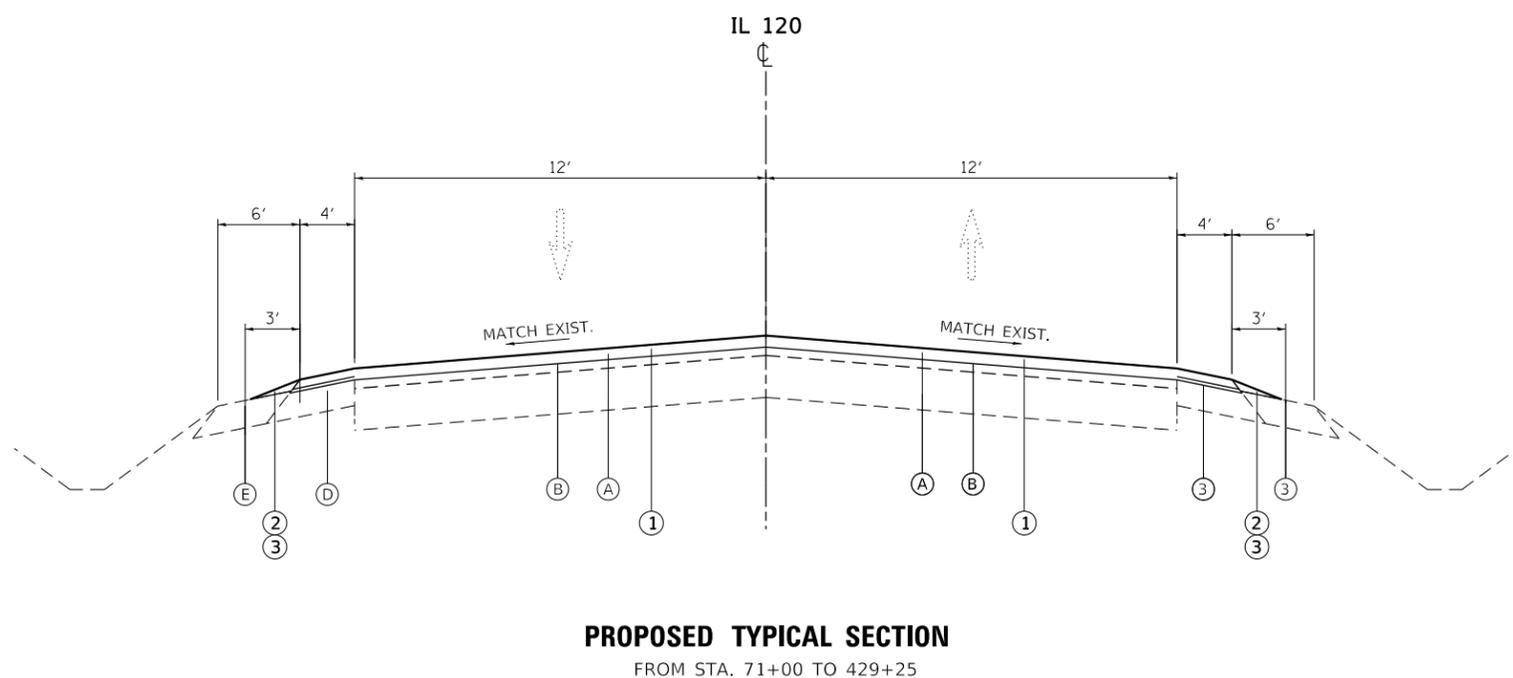
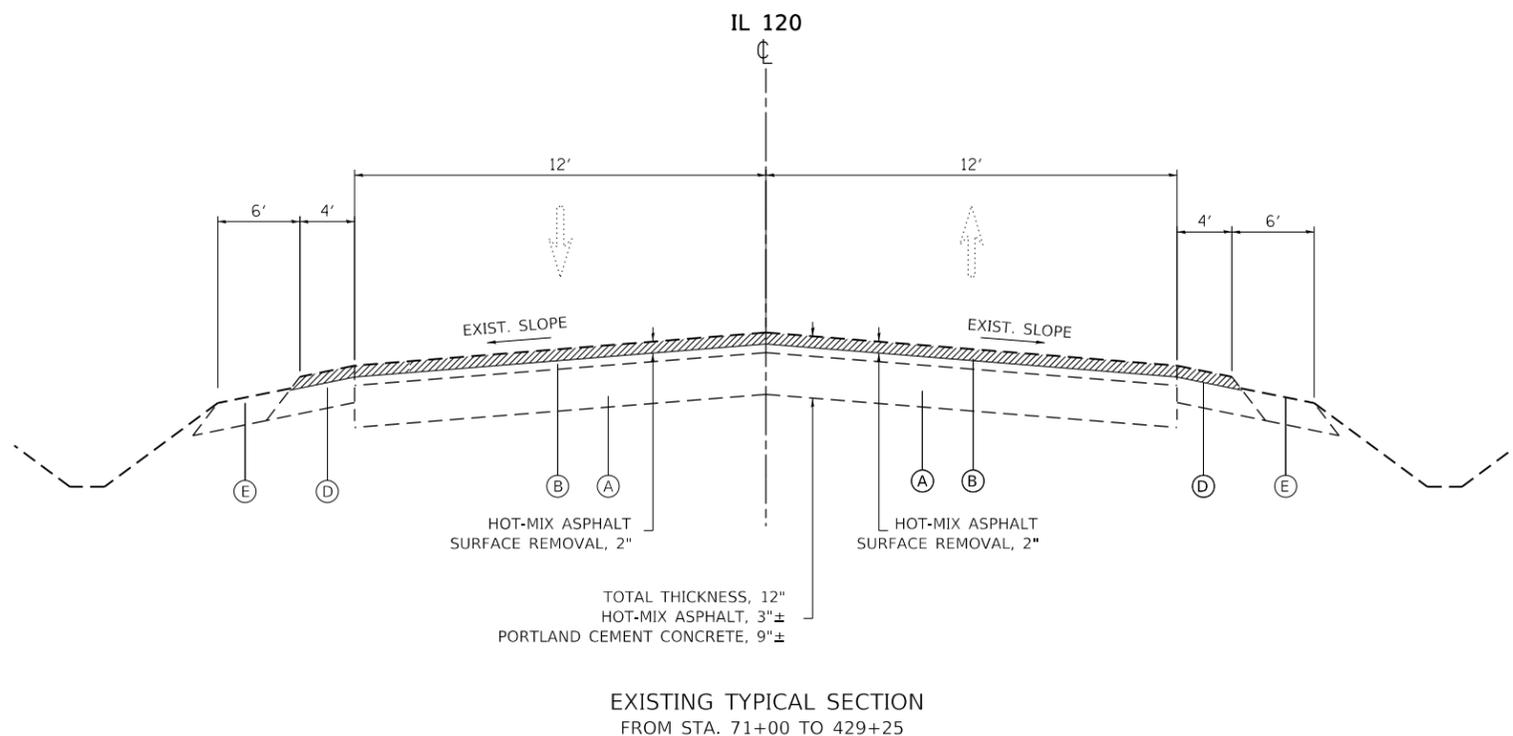
- (A) PCC PAVEMENT
- (B) HMA PAVEMENT
- (C) COMBINATION CONCRETE CURB AND GUTTER
- (D) HMA SHOULLDER
- (E) AGGREGATE SHOULDER

NOTES:

- 1.) THE CONTRACTOR SHALL PATCH FIRST BEFORE MILLING.
- 2.) LONGITUDINAL JOINT SEALANT SHALL BE PLACED OVER THE MILLED SURFACE

LEGEND - PROPOSED

- (1) HOT-MIX ASPHALT SURFACE COURSE, IL-9.5 MIX "D" N70, 2"
- (2) GRADING AND SHAPING SHOULDERS
- (3) AGGREGATE WEDGE SHOULDER, TYPE B
- (4) COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT



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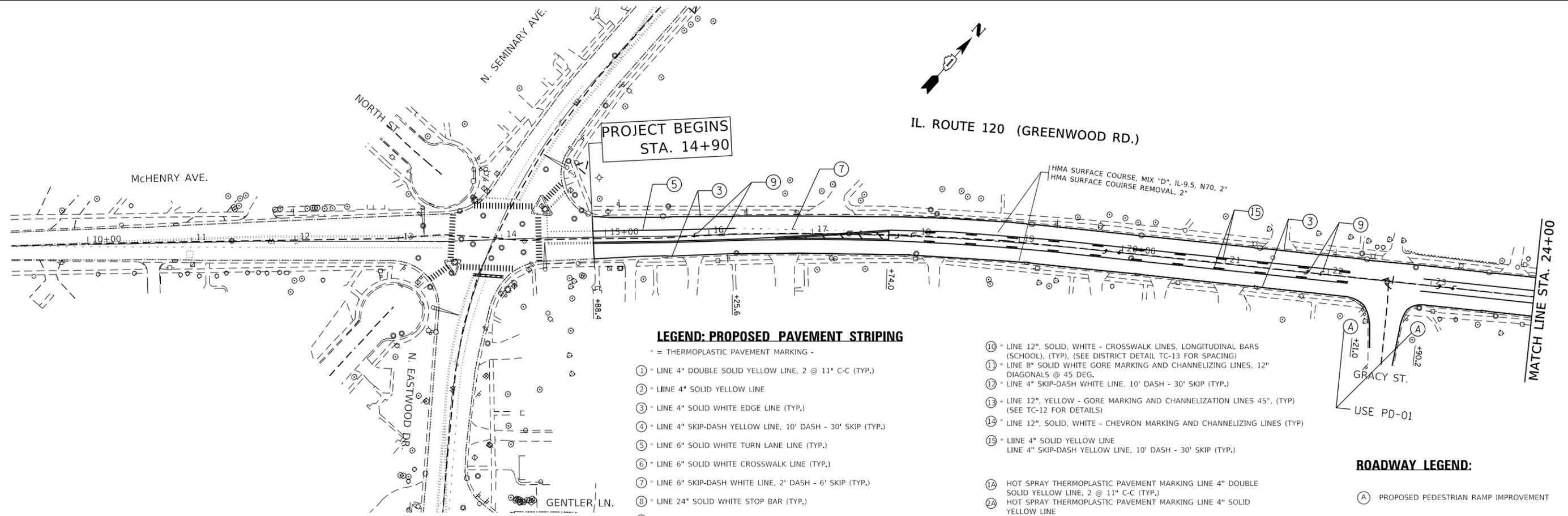
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL 120 (IL 47 TO MARTIN ROAD)
TYPICAL SECTIONS**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
333	2017-054RS	MCHENRY	65	9
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62F91	



LEGEND: PROPOSED PAVEMENT STRIPING

* = THERMOPLASTIC PAVEMENT MARKING -

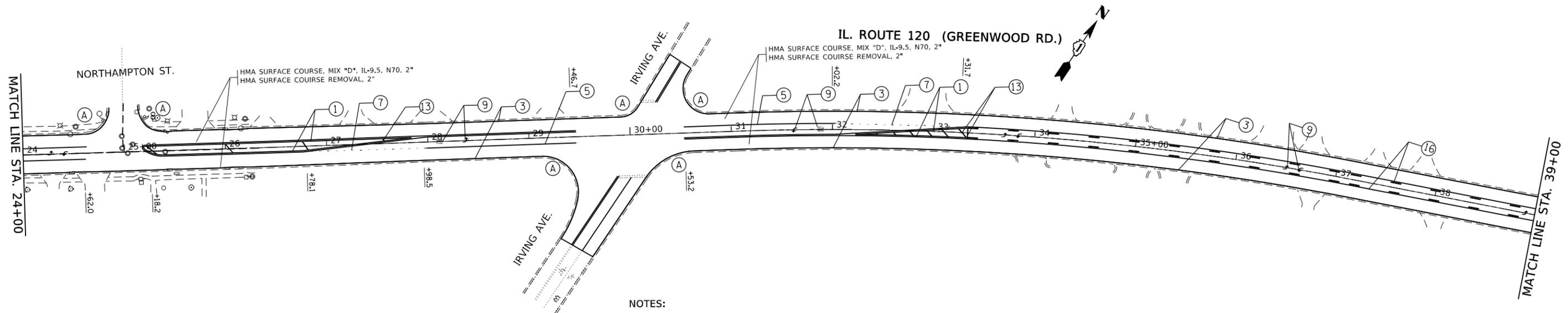
- ① * LINE 4" DOUBLE SOLID YELLOW LINE, 2 @ 11" C-C (TYP.)
- ② * LINE 4" SOLID YELLOW LINE
- ③ * LINE 4" SOLID WHITE EDGE LINE (TYP.)
- ④ * LINE 4" SKIP-DASH YELLOW LINE, 10' DASH - 30' SKIP (TYP.)
- ⑤ * LINE 6" SOLID WHITE TURN LANE LINE (TYP.)
- ⑥ * LINE 6" SOLID WHITE CROSSWALK LINE (TYP.)
- ⑦ * LINE 6" SKIP-DASH WHITE LINE, 2' DASH - 6' SKIP (TYP.)
- ⑧ * LINE 24" SOLID WHITE STOP BAR (TYP.)
- ⑨ * LETTERS & SYMBOLS, 8", SOLID, WHITE - TURN LANE MARKINGS (TYP.)

- ⑩ * LINE 12", SOLID, WHITE - CROSSWALK LINES, LONGITUDINAL BARS (SCHOOL), (TYP.), (SEE DISTRICT DETAIL TC-13 FOR SPACING)
- ⑪ * LINE 8" SOLID WHITE GORE MARKING AND CHANNELIZING LINES, 12" DIAGONALS @ 45 DEG.
- ⑫ * LINE 4" SKIP-DASH WHITE LINE, 10' DASH - 30' SKIP (TYP.)
- ⑬ * LINE 12", YELLOW - GORE MARKING AND CHANNELIZATION LINES 45°, (TYP.) (SEE TC-12 FOR DETAILS)
- ⑭ * LINE 12", SOLID, WHITE - CHEVRON MARKING AND CHANNELIZING LINES (TYP.)
- ⑮ * LINE 4" SOLID YELLOW LINE
LINE 4" SKIP-DASH YELLOW LINE, 10' DASH - 30' SKIP (TYP.)

- ⑩A HOT SPRAY THERMOPLASTIC PAVEMENT MARKING LINE 4" DOUBLE SOLID YELLOW LINE, 2 @ 11" C-C (TYP.)
- ⑪A HOT SPRAY THERMOPLASTIC PAVEMENT MARKING LINE 4" SOLID YELLOW LINE
- ⑫A HOT SPRAY THERMOPLASTIC PAVEMENT MARKING LINE 4" SKIP-DASH YELLOW LINE, 10' DASH - 30' SKIP (TYP.)

ROADWAY LEGEND:

- Ⓐ PROPOSED PEDESTRIAN RAMP IMPROVEMENT



NOTES:

- 1) LIMIT OF RESURFACING ON THE SIDE- STREETS THROUGHOUT THE PROJECT SHALL BE TO THE RADIUS RETURN, UNLESS OTHERWISE SHOWN ON THE PLANS, OR AS DIRECTED BY THE RESIDENT ENGINEER / TECHNICIAN.
- 2) ALL FINAL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC PAVEMENT MARKINGS .
- 3) ALL FINAL PAVEMENT MARKINGS SHALL BE PLACED IN ACCORDANCE WITH TC-13 "DISTRICT ONE TYPICAL PAVEMENT MARKINGS" STANDARD DETAIL.
- 4) ALL RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED IN ACCORDANCE WITH TC-11 "TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)" STANDARD DETAIL.

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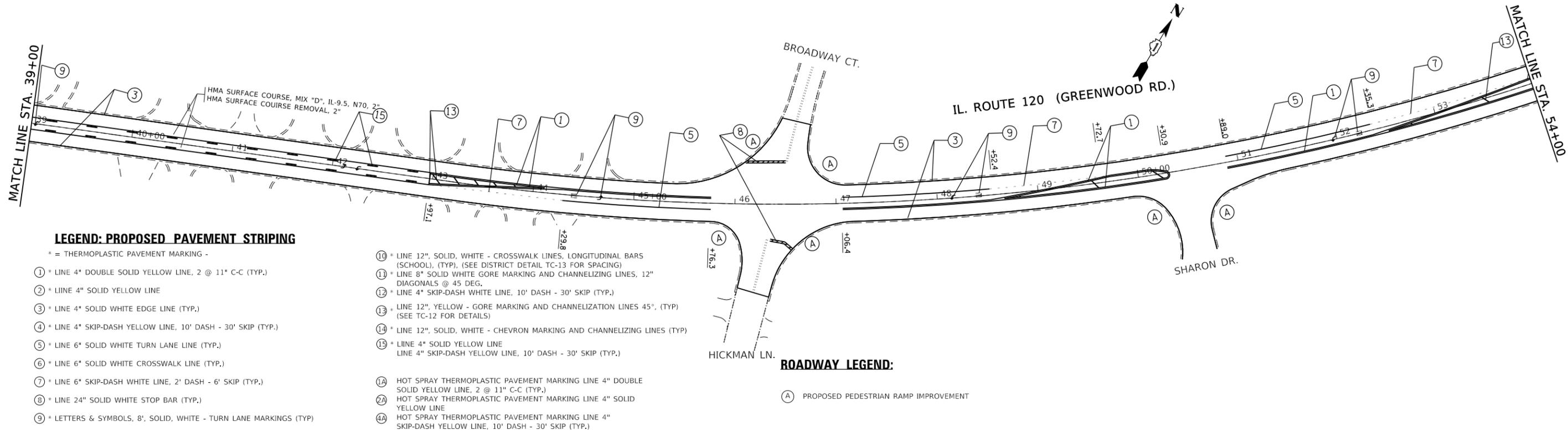
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ROADWAY AND PAVEMENT MARKING (TYP.) PLAN
IL. RTE. 120 (IL 47 - MARTIN RD.)**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
333	2017-054RS	MCHENRY	65	10
CONTRACT NO. 62F91				
ILLINOIS FED. AID PROJECT				



LEGEND: PROPOSED PAVEMENT STRIPING

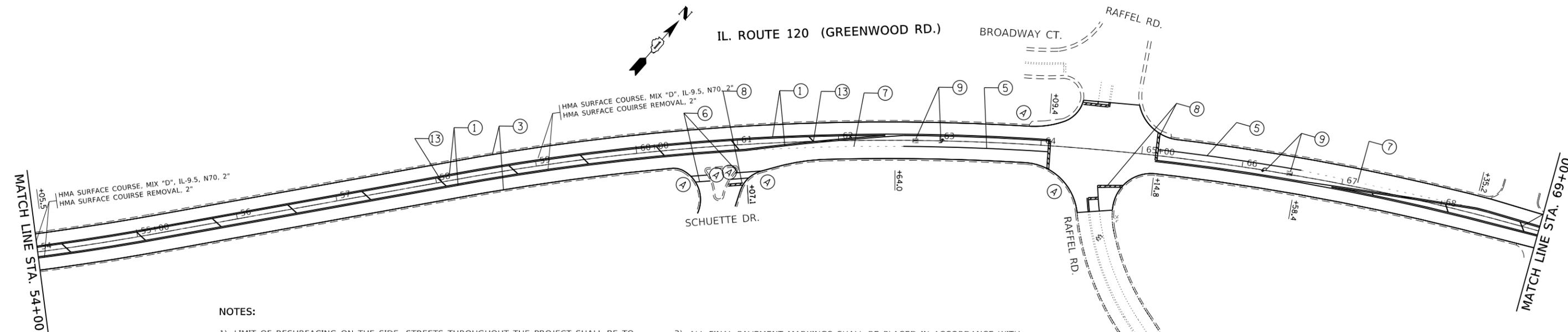
- * = THERMOPLASTIC PAVEMENT MARKING -
- ① * LINE 4" DOUBLE SOLID YELLOW LINE, 2 @ 11" C-C (TYP.)
- ② * LINE 4" SOLID YELLOW LINE
- ③ * LINE 4" SOLID WHITE EDGE LINE (TYP.)
- ④ * LINE 4" SKIP-DASH YELLOW LINE, 10' DASH - 30' SKIP (TYP.)
- ⑤ * LINE 6" SOLID WHITE TURN LANE LINE (TYP.)
- ⑥ * LINE 6" SOLID WHITE CROSSWALK LINE (TYP.)
- ⑦ * LINE 6" SKIP-DASH WHITE LINE, 2' DASH - 6' SKIP (TYP.)
- ⑧ * LINE 24" SOLID WHITE STOP BAR (TYP.)
- ⑨ * LETTERS & SYMBOLS, 8", SOLID, WHITE - TURN LANE MARKINGS (TYP.)

- ⑩ * LINE 12", SOLID, WHITE - CROSSWALK LINES, LONGITUDINAL BARS (SCHOOL), (TYP.). (SEE DISTRICT DETAIL TC-13 FOR SPACING)
- ⑪ * LINE 8" SOLID WHITE GORE MARKING AND CHANNELIZING LINES, 12" DIAGONALS @ 45 DEG.
- ⑫ * LINE 4" SKIP-DASH WHITE LINE, 10' DASH - 30' SKIP (TYP.)
- ⑬ * LINE 12", YELLOW - GORE MARKING AND CHANNELIZATION LINES 45°, (TYP.) (SEE TC-12 FOR DETAILS)
- ⑭ * LINE 12", SOLID, WHITE - CHEVRON MARKING AND CHANNELIZING LINES (TYP.)
- ⑮ * LINE 4" SOLID YELLOW LINE
LINE 4" SKIP-DASH YELLOW LINE, 10' DASH - 30' SKIP (TYP.)

- ①A HOT SPRAY THERMOPLASTIC PAVEMENT MARKING LINE 4" DOUBLE SOLID YELLOW LINE, 2 @ 11" C-C (TYP.)
- ②A HOT SPRAY THERMOPLASTIC PAVEMENT MARKING LINE 4" SOLID YELLOW LINE
- ④A HOT SPRAY THERMOPLASTIC PAVEMENT MARKING LINE 4" SKIP-DASH YELLOW LINE, 10' DASH - 30' SKIP (TYP.)

ROADWAY LEGEND:

- Ⓐ PROPOSED PEDESTRIAN RAMP IMPROVEMENT



NOTES:

- 1) LIMIT OF RESURFACING ON THE SIDE- STREETS THROUGHOUT THE PROJECT SHALL BE TO THE RADIUS RETURN, UNLESS OTHERWISE SHOWN ON THE PLANS, OR AS DIRECTED BY THE RESIDENT ENGINEER / TECHNICIAN.
- 2) ALL FINAL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC PAVEMENT MARKINGS.
- 3) ALL FINAL PAVEMENT MARKINGS SHALL BE PLACED IN ACCORDANCE WITH TC-13 "DISTRICT ONE TYPICAL PAVEMENT MARKINGS" STANDARD DETAIL.
- 4) ALL RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED IN ACCORDANCE WITH TC-11 "TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)" STANDARD DETAIL.

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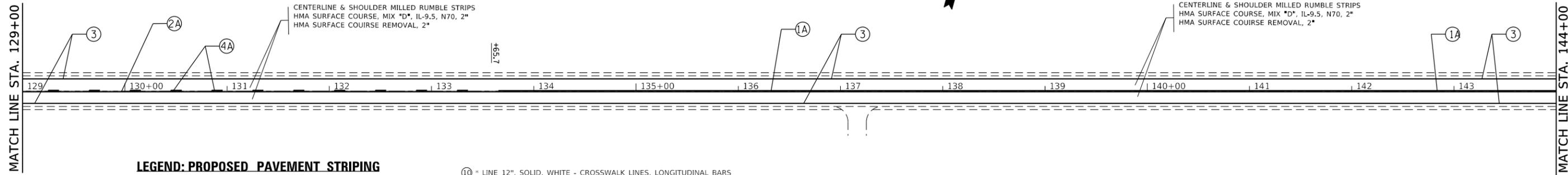
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ROADWAY AND PAVEMENT MARKING (TYP.) PLAN
IL. RTE. 120 (IL 47 - MARTIN RD.)**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
333	2017-054RS	MCHENRY	65	11
CONTRACT NO. 62F91				
ILLINOIS FED. AID PROJECT				

IL. ROUTE 120 (GREENWOOD RD.)



LEGEND: PROPOSED PAVEMENT STRIPING

* = THERMOPLASTIC PAVEMENT MARKING -

- ① * LINE 4" DOUBLE SOLID YELLOW LINE, 2 @ 11" C-C (TYP.)
- ② * LINE 4" SOLID YELLOW LINE
- ③ * LINE 4" SOLID WHITE EDGE LINE (TYP.)
- ④ * LINE 4" SKIP-DASH YELLOW LINE, 10' DASH - 30' SKIP (TYP.)
- ⑤ * LINE 6" SOLID WHITE TURN LANE LINE (TYP.)
- ⑥ * LINE 6" SOLID WHITE CROSSWALK LINE (TYP.)
- ⑦ * LINE 6" SKIP-DASH WHITE LINE, 2' DASH - 6' SKIP (TYP.)
- ⑧ * LINE 24" SOLID WHITE STOP BAR (TYP.)
- ⑨ * LETTERS & SYMBOLS, 8", SOLID, WHITE - TURN LANE MARKINGS (TYP.)

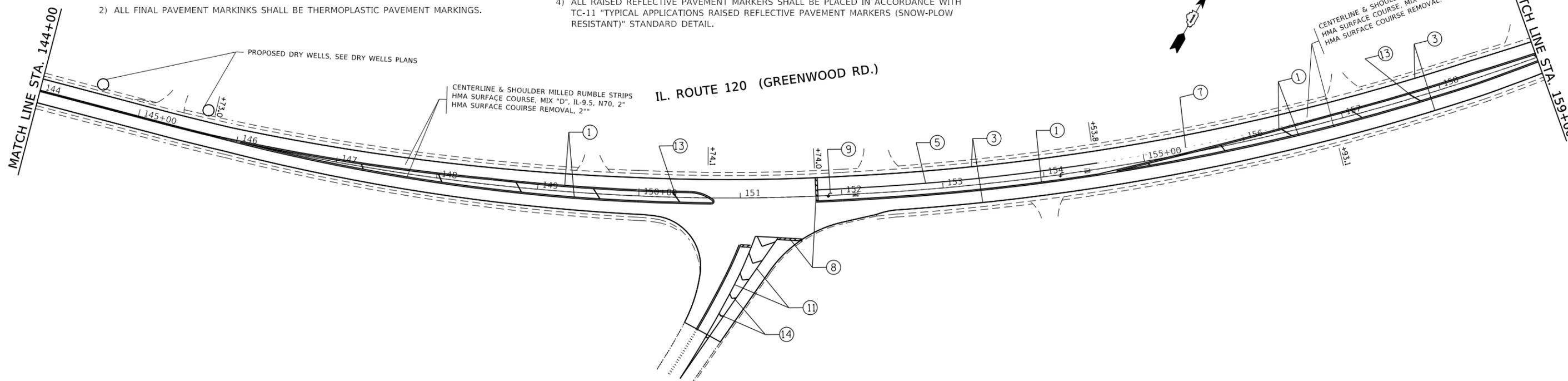
- ⑩ * LINE 12", SOLID, WHITE - CROSSWALK LINES, LONGITUDINAL BARS (SCHOOL), (TYP.) (SEE DISTRICT DETAIL TC-13 FOR SPACING)
- ⑪ * LINE 8" SOLID WHITE GORE MARKING AND CHANNELIZING LINES, 12" DIAGONALS @ 45 DEG.
- ⑫ * LINE 4" SKIP-DASH WHITE LINE, 10' DASH - 30' SKIP (TYP.)
- ⑬ * LINE 12", YELLOW - GORE MARKING AND CHANNELIZATION LINES 45°, (TYP.) (SEE TC-12 FOR DETAILS)
- ⑭ * LINE 12", SOLID, WHITE - CHEVRON MARKING AND CHANNELIZING LINES (TYP.)
- ⑮ * LINE 4" SOLID YELLOW LINE
LINE 4" SKIP-DASH YELLOW LINE, 10' DASH - 30' SKIP (TYP.)

ROADWAY LEGEND:

- Ⓐ PROPOSED PEDESTRIAN RAMP IMPROVEMENT

NOTES:

- 1) LIMIT OF RESURFACING ON THE SIDE- STREETS THROUGHOUT THE PROJECT SHALL BE TO THE RADIUS RETURN, UNLESS OTHERWISE SHOWN ON THE PLANS, OR AS DIRECTED BY THE RESIDENT ENGINEER / TECHNICIAN.
- 2) ALL FINAL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC PAVEMENT MARKINGS.
- 3) ALL FINAL PAVEMENT MARKINGS SHALL BE PLACED IN ACCORDANCE WITH TC-13 "DISTRICT ONE TYPICAL PAVEMENT MARKINGS" STANDARD DETAIL.
- 4) ALL RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED IN ACCORDANCE WITH TC-11 "TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)" STANDARD DETAIL.



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	DRAWN -	REVISED -
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PLOT DATE = 12/21/2019	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ROADWAY AND PAVEMENT MARKING (TYP.) PLAN
IL. RTE. 120 (IL 47 - MARTIN RD.)**

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

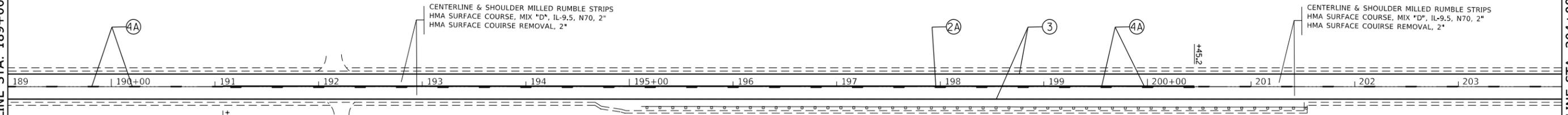
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
333	2017-054RS	MCHENRY	65	14
CONTRACT NO. 62F91				
ILLINOIS FED. AID PROJECT				

IL. ROUTE 120 (GREENWOOD RD.)



MATCH LINE STA. 189+00

MATCH LINE STA. 204+00



LEGEND: PROPOSED PAVEMENT STRIPING

- * = THERMOPLASTIC PAVEMENT MARKING -
- ① * LINE 4" DOUBLE SOLID YELLOW LINE, 2 @ 11" C-C (TYP.)
- ② * LINE 4" SOLID YELLOW LINE
- ③ * LINE 4" SOLID WHITE EDGE LINE (TYP.)
- ④ * LINE 4" SKIP-DASH YELLOW LINE, 10' DASH - 30' SKIP (TYP.)
- ⑤ * LINE 6" SOLID WHITE TURN LANE LINE (TYP.)
- ⑥ * LINE 6" SOLID WHITE CROSSWALK LINE (TYP.)
- ⑦ * LINE 6" SKIP-DASH WHITE LINE, 2' DASH - 6' SKIP (TYP.)
- ⑧ * LINE 24" SOLID WHITE STOP BAR (TYP.)
- ⑨ * LETTERS & SYMBOLS, 8", SOLID, WHITE - TURN LANE MARKINGS (TYP.)

- ⑩ * LINE 12", SOLID, WHITE - CROSSWALK LINES, LONGITUDINAL BARS (SCHOOL), (TYP.), (SEE DISTRICT DETAIL TC-13 FOR SPACING)
- ⑪ * LINE 8" SOLID WHITE GORE MARKING AND CHANNELIZING LINES, 12" DIAGONALS @ 45 DEG.
- ⑫ * LINE 4" SKIP-DASH WHITE LINE, 10' DASH - 30' SKIP (TYP.)
- ⑬ * LINE 12", YELLOW - GORE MARKING AND CHANNELIZATION LINES 45°, (TYP.) (SEE TC-12 FOR DETAILS)
- ⑭ * LINE 12", SOLID, WHITE - CHEVRON MARKING AND CHANNELIZING LINES (TYP.)
- ⑮ * LINE 4" SOLID YELLOW LINE
LINE 4" SKIP-DASH YELLOW LINE, 10' DASH - 30' SKIP (TYP.)

- ⑩A HOT SPRAY THERMOPLASTIC PAVEMENT MARKING LINE 4" DOUBLE SOLID YELLOW LINE, 2 @ 11" C-C (TYP.)
- ⑫A HOT SPRAY THERMOPLASTIC PAVEMENT MARKING LINE 4" SOLID YELLOW LINE
- ⑭A HOT SPRAY THERMOPLASTIC PAVEMENT MARKING LINE 4" SKIP-DASH YELLOW LINE, 10' DASH - 30' SKIP (TYP.)

ROADWAY LEGEND:

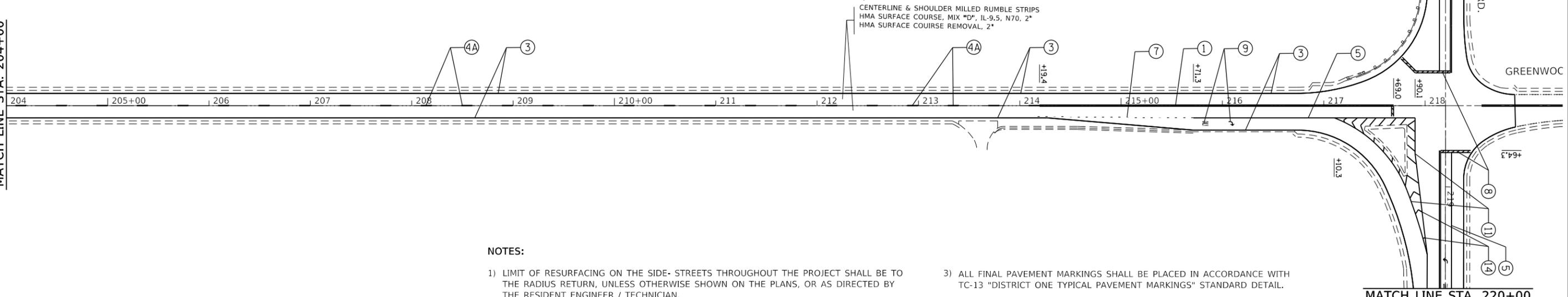
- Ⓐ PROPOSED PEDESTRIAN RAMP IMPROVEMENT

IL. ROUTE 120 (GREENWOOD RD.)



MATCH LINE STA. 204+00

MATCH LINE STA. 220+00



NOTES:

- 1) LIMIT OF RESURFACING ON THE SIDE- STREETS THROUGHOUT THE PROJECT SHALL BE TO THE RADIUS RETURN, UNLESS OTHERWISE SHOWN ON THE PLANS, OR AS DIRECTED BY THE RESIDENT ENGINEER / TECHNICIAN.
- 2) ALL FINAL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC PAVEMENT MARKINGS.
- 3) ALL FINAL PAVEMENT MARKINGS SHALL BE PLACED IN ACCORDANCE WITH TC-13 "DISTRICT ONE TYPICAL PAVEMENT MARKINGS" STANDARD DETAIL.
- 4) ALL RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED IN ACCORDANCE WITH TC-11 "TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)" STANDARD DETAIL.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

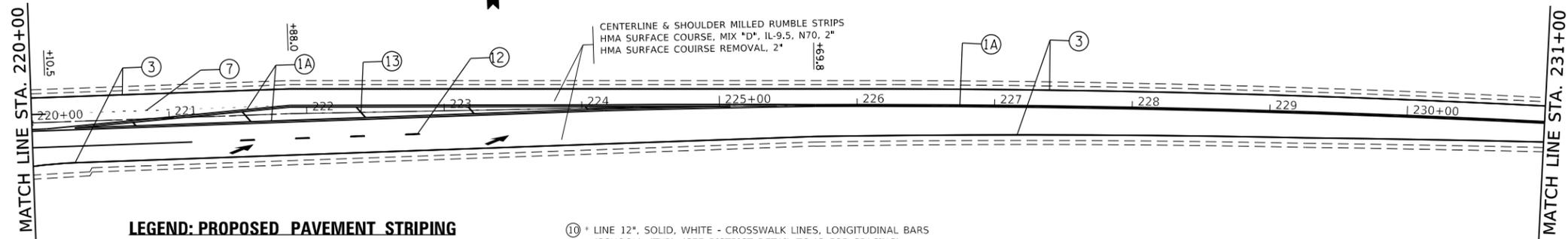
ROADWAY AND PAVEMENT MARKING (TYP.) PLAN
IL. RTE. 120 (IL 47 - MARTIN RD.)

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
333	2017-054RS	MCHENRY	65	16
CONTRACT NO. 62F91				
ILLINOIS FED. AID PROJECT				

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IL. ROUTE 120 (ELM ST.)



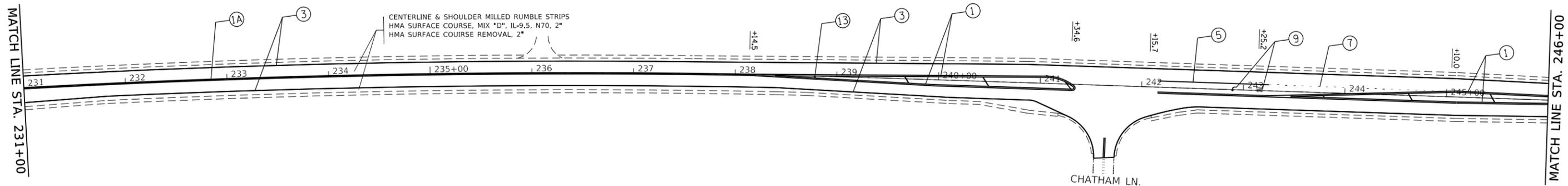
LEGEND: PROPOSED PAVEMENT STRIPING

- * = THERMOPLASTIC PAVEMENT MARKING -
- ① * LINE 4" DOUBLE SOLID YELLOW LINE, 2 @ 11" C-C (TYP.)
 - ② * LINE 4" SOLID YELLOW LINE
 - ③ * LINE 4" SOLID WHITE EDGE LINE (TYP.)
 - ④ * LINE 4" SKIP-DASH YELLOW LINE, 10' DASH - 30' SKIP (TYP.)
 - ⑤ * LINE 6" SOLID WHITE TURN LANE LINE (TYP.)
 - ⑥ * LINE 6" SOLID WHITE CROSSWALK LINE (TYP.)
 - ⑦ * LINE 6" SKIP-DASH WHITE LINE, 2' DASH - 6' SKIP (TYP.)
 - ⑧ * LINE 24" SOLID WHITE STOP BAR (TYP.)
 - ⑨ * LETTERS & SYMBOLS, 8", SOLID, WHITE - TURN LANE MARKINGS (TYP.)
 - ⑩ * LINE 12", SOLID, WHITE - CROSSWALK LINES, LONGITUDINAL BARS (SCHOOL), (TYP), (SEE DISTRICT DETAIL TC-13 FOR SPACING)
 - ⑪ * LINE 8" SOLID WHITE GORE MARKING AND CHANNELIZING LINES, 12" DIAGONALS @ 45 DEG.
 - ⑫ * LINE 4" SKIP-DASH WHITE LINE, 10' DASH - 30' SKIP (TYP.)
 - ⑬ * LINE 12", YELLOW - GORE MARKING AND CHANNELIZATION LINES 45°, (TYP) (SEE TC-12 FOR DETAILS)
 - ⑭ * LINE 12", SOLID, WHITE - CHEVRON MARKING AND CHANNELIZING LINES (TYP)
 - ⑮ * LINE 4" SOLID YELLOW LINE
LINE 4" SKIP-DASH YELLOW LINE, 10' DASH - 30' SKIP (TYP.)
 - 1A * HOT SPRAY THERMOPLASTIC PAVEMENT MARKING LINE 4" DOUBLE SOLID YELLOW LINE, 2 @ 11" C-C (TYP.)
 - 2A * HOT SPRAY THERMOPLASTIC PAVEMENT MARKING LINE 4" SOLID YELLOW LINE
 - 4A * HOT SPRAY THERMOPLASTIC PAVEMENT MARKING LINE 4" SKIP-DASH YELLOW LINE, 10' DASH - 30' SKIP (TYP.)

ROADWAY LEGEND:

- A * PROPOSED PEDESTRIAN RAMP IMPROVEMENT

IL. ROUTE 120 (ELM ST.)



NOTES:

- 1) LIMIT OF RESURFACING ON THE SIDE- STREETS THROUGHOUT THE PROJECT SHALL BE TO THE RADIUS RETURN, UNLESS OTHERWISE SHOWN ON THE PLANS, OR AS DIRECTED BY THE RESIDENT ENGINEER / TECHNICIAN.
- 2) ALL FINAL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC PAVEMENT MARKINGS.
- 3) ALL FINAL PAVEMENT MARKINGS SHALL BE PLACED IN ACCORDANCE WITH TC-13 "DISTRICT ONE TYPICAL PAVEMENT MARKINGS" STANDARD DETAIL.
- 4) ALL RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED IN ACCORDANCE WITH TC-11 "TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)" STANDARD DETAIL.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY AND PAVEMENT MARKING (TYP.) PLAN
IL. RTE. 120 (IL 47 - MARTIN RD.)

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
333	2017-054RS	MCHENRY	65	17
CONTRACT NO. 62F91				
ILLINOIS FED. AID PROJECT				

MATCH LINE STA. 246+00

MATCH LINE STA. 261+00



IL. ROUTE 120 (ELM ST.)

CENTERLINE & SHOULDER MILLED RUMBLE STRIPS
HMA SURFACE COURSE, MIX "D", IL-9.5, N70, 2"
HMA SURFACE COURSE REMOVAL, 2"

CENTERLINE & SHOULDER MILLED RUMBLE STRIPS
HMA SURFACE COURSE, MIX "D", IL-9.5, N70, 2"
HMA SURFACE COURSE REMOVAL, 2"

LEGEND: PROPOSED PAVEMENT STRIPING

* = THERMOPLASTIC PAVEMENT MARKING -

- ① * LINE 4" DOUBLE SOLID YELLOW LINE, 2 @ 11" C-C (TYP.)
- ② * LINE 4" SOLID YELLOW LINE
- ③ * LINE 4" SOLID WHITE EDGE LINE (TYP.)
- ④ * LINE 4" SKIP-DASH YELLOW LINE, 10' DASH - 30' SKIP (TYP.)
- ⑤ * LINE 6" SOLID WHITE TURN LANE LINE (TYP.)
- ⑥ * LINE 6" SOLID WHITE CROSSWALK LINE (TYP.)
- ⑦ * LINE 6" SKIP-DASH WHITE LINE, 2' DASH - 6' SKIP (TYP.)
- ⑧ * LINE 24" SOLID WHITE STOP BAR (TYP.)
- ⑨ * LETTERS & SYMBOLS, 8", SOLID, WHITE - TURN LANE MARKINGS (TYP.)

- ⑩ * LINE 12", SOLID, WHITE - CROSSWALK LINES, LONGITUDINAL BARS (SCHOOL), (TYP), (SEE DISTRICT DETAIL TC-13 FOR SPACING)
- ⑪ * LINE 8" SOLID WHITE GORE MARKING AND CHANNELIZING LINES, 12" DIAGONALS @ 45 DEG.
- ⑫ * LINE 4" SKIP-DASH WHITE LINE, 10' DASH - 30' SKIP (TYP.)
- ⑬ * LINE 12", YELLOW - GORE MARKING AND CHANNELIZATION LINES 45°, (TYP) (SEE TC-12 FOR DETAILS)
- ⑭ * LINE 12", SOLID, WHITE - CHEVRON MARKING AND CHANNELIZING LINES (TYP)
- ⑮ * LINE 4" SOLID YELLOW LINE
LINE 4" SKIP-DASH YELLOW LINE, 10' DASH - 30' SKIP (TYP.)
- ①A HOT SPRAY THERMOPLASTIC PAVEMENT MARKING LINE 4" DOUBLE SOLID YELLOW LINE, 2 @ 11" C-C (TYP.)
- ②A HOT SPRAY THERMOPLASTIC PAVEMENT MARKING LINE 4" SOLID YELLOW LINE
- ④A HOT SPRAY THERMOPLASTIC PAVEMENT MARKING LINE 4" SKIP-DASH YELLOW LINE, 10' DASH - 30' SKIP (TYP.)

ROADWAY LEGEND:

- Ⓐ PROPOSED PEDESTRIAN RAMP IMPROVEMENT

MATCH LINE STA. 261+00

MATCH LINE STA. 276+00



IL. ROUTE 120 (ELM ST.)

CENTERLINE & SHOULDER MILLED RUMBLE STRIPS
HMA SURFACE COURSE, MIX "D", IL-9.5, N70, 2"
HMA SURFACE COURSE REMOVAL, 2"

NOTES:

- 1) LIMIT OF RESURFACING ON THE SIDE- STREETS THROUGHOUT THE PROJECT SHALL BE TO THE RADIUS RETURN, UNLESS OTHERWISE SHOWN ON THE PLANS, OR AS DIRECTED BY THE RESIDENT ENGINEER / TECHNICIAN.
- 2) ALL FINAL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC PAVEMENT MARKINGS.
- 3) ALL FINAL PAVEMENT MARKINGS SHALL BE PLACED IN ACCORDANCE WITH TC-13 "DISTRICT ONE TYPICAL PAVEMENT MARKINGS" STANDARD DETAIL.
- 4) ALL RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED IN ACCORDANCE WITH TC-11 "TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)" STANDARD DETAIL.

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

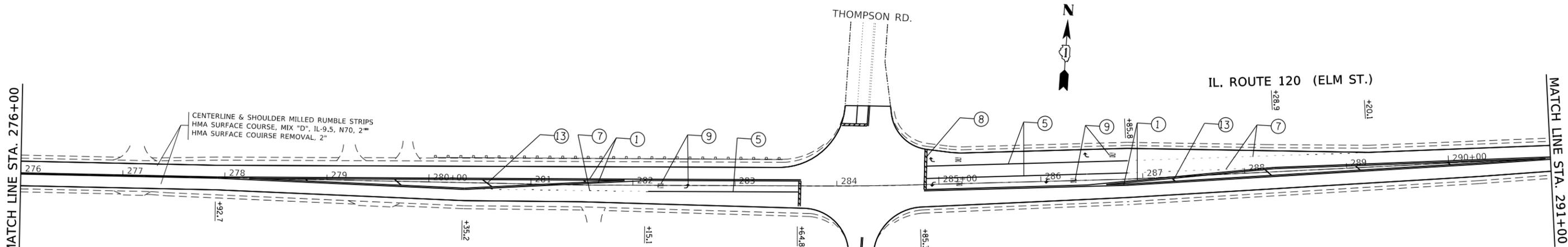
**ROADWAY AND PAVEMENT MARKING (TYP.) PLAN
IL. RTE. 120 (IL 47 - MARTIN RD.)**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
333	2017-054RS	MCHENRY	65	18
			CONTRACT NO. 62F91	
		ILLINOIS	FED. AID PROJECT	

MATCH LINE STA. 276+00

MATCH LINE STA. 291+00



LEGEND: PROPOSED PAVEMENT STRIPING

* = THERMOPLASTIC PAVEMENT MARKING -

- ① * LINE 4" DOUBLE SOLID YELLOW LINE, 2 @ 11" C-C (TYP.)
- ② * LINE 4" SOLID YELLOW LINE
- ③ * LINE 4" SOLID WHITE EDGE LINE (TYP.)
- ④ * LINE 4" SKIP-DASH YELLOW LINE, 10' DASH - 30' SKIP (TYP.)
- ⑤ * LINE 6" SOLID WHITE TURN LANE LINE (TYP.)
- ⑥ * LINE 6" SOLID WHITE CROSSWALK LINE (TYP.)
- ⑦ * LINE 6" SKIP-DASH WHITE LINE, 2' DASH - 6' SKIP (TYP.)
- ⑧ * LINE 24" SOLID WHITE STOP BAR (TYP.)
- ⑨ * LETTERS & SYMBOLS, 8", SOLID, WHITE - TURN LANE MARKINGS (TYP.)

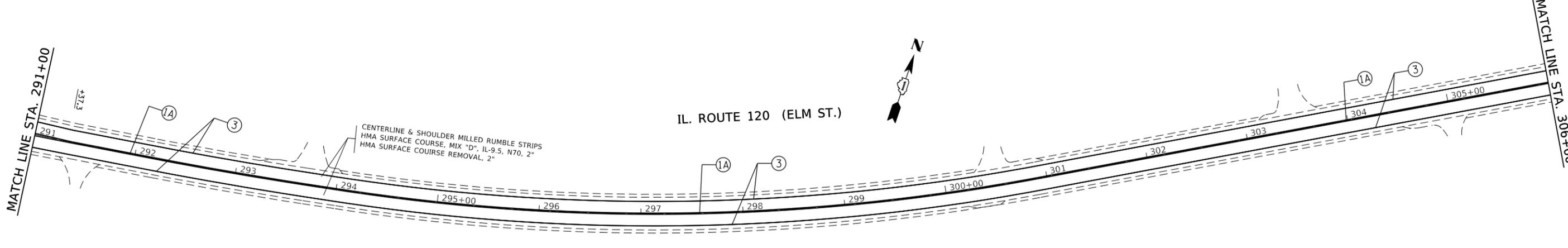
- ⑩ * LINE 12", SOLID, WHITE - CROSSWALK LINES, LONGITUDINAL BARS (SCHOOL), (TYP.), (SEE DISTRICT DETAIL TC-13 FOR SPACING)
- ⑪ * LINE 8" SOLID WHITE GORE MARKING AND CHANNELIZING LINES, 12" DIAGONALS @ 45 DEG.
- ⑫ * LINE 4" SKIP-DASH WHITE LINE, 10' DASH - 30' SKIP (TYP.)
- ⑬ * LINE 12", YELLOW - GORE MARKING AND CHANNELIZATION LINES 45°, (TYP) (SEE TC-12 FOR DETAILS)
- ⑭ * LINE 12", SOLID, WHITE - CHEVRON MARKING AND CHANNELIZING LINES (TYP)
- ⑮ * LINE 4" SOLID YELLOW LINE
LINE 4" SKIP-DASH YELLOW LINE, 10' DASH - 30' SKIP (TYP.)

ROADWAY LEGEND:

- Ⓐ PROPOSED PEDESTRIAN RAMP IMPROVEMENT

MATCH LINE STA. 291+00

MATCH LINE STA. 306+00



NOTES:

- 1) LIMIT OF RESURFACING ON THE SIDE- STREETS THROUGHOUT THE PROJECT SHALL BE TO THE RADIUS RETURN, UNLESS OTHERWISE SHOWN ON THE PLANS, OR AS DIRECTED BY THE RESIDENT ENGINEER / TECHNICIAN.
- 2) ALL FINAL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC PAVEMENT MARKINGS.
- 3) ALL FINAL PAVEMENT MARKINGS SHALL BE PLACED IN ACCORDANCE WITH TC-13 "DISTRICT ONE TYPICAL PAVEMENT MARKINGS" STANDARD DETAIL.
- 4) ALL RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED IN ACCORDANCE WITH TC-11 "TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)" STANDARD DETAIL.

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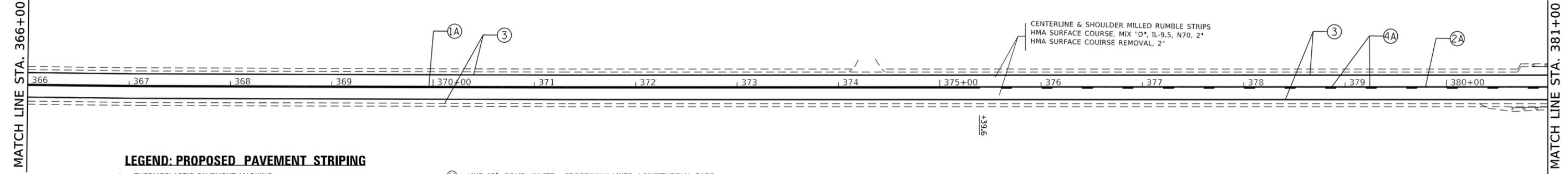
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ROADWAY AND PAVEMENT MARKING (TYP.) PLAN IL. RTE. 120 (IL 47 - MARTIN RD.)			
SCALE: 1"=50'	SHEET	OF	SHEETS
	STA.		TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
333	2017-054RS	MCHENRY	65	19
CONTRACT NO. 62F91				
ILLINOIS FED. AID PROJECT				



IL. ROUTE 120 (ELM ST.)



LEGEND: PROPOSED PAVEMENT STRIPING

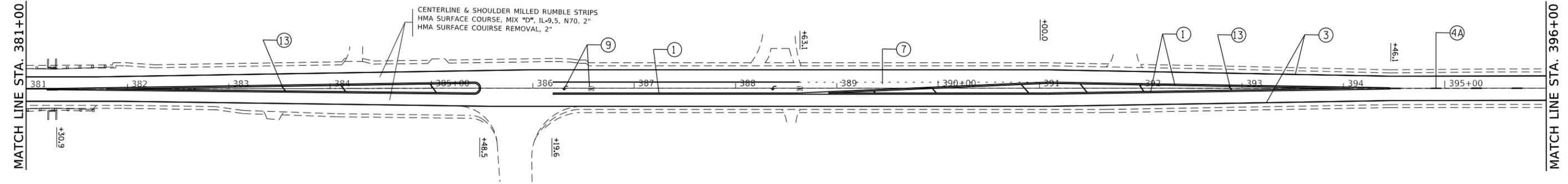
- * = THERMOPLASTIC PAVEMENT MARKING -
- ① * LINE 4" DOUBLE SOLID YELLOW LINE, 2 @ 11" C-C (TYP.)
- ② * LINE 4" SOLID YELLOW LINE
- ③ * LINE 4" SOLID WHITE EDGE LINE (TYP.)
- ④ * LINE 4" SKIP-DASH YELLOW LINE, 10' DASH - 30' SKIP (TYP.)
- ⑤ * LINE 6" SOLID WHITE TURN LANE LINE (TYP.)
- ⑥ * LINE 6" SOLID WHITE CROSSWALK LINE (TYP.)
- ⑦ * LINE 6" SKIP-DASH WHITE LINE, 2' DASH - 6' SKIP (TYP.)
- ⑧ * LINE 24" SOLID WHITE STOP BAR (TYP.)
- ⑨ * LETTERS & SYMBOLS, 8", SOLID, WHITE - TURN LANE MARKINGS (TYP.)
- ⑩ * LINE 12", SOLID, WHITE - CROSSWALK LINES, LONGITUDINAL BARS (SCHOOL), (TYP.), (SEE DISTRICT DETAIL TC-13 FOR SPACING)
- ⑪ * LINE 8" SOLID WHITE GORE MARKING AND CHANNELIZING LINES, 12" DIAGONALS @ 45 DEG.
- ⑫ * LINE 4" SKIP-DASH WHITE LINE, 10' DASH - 30' SKIP (TYP.)
- ⑬ * LINE 12", YELLOW - GORE MARKING AND CHANNELIZATION LINES 45°, (TYP) (SEE TC-12 FOR DETAILS)
- ⑭ * LINE 12", SOLID, WHITE - CHEVRON MARKING AND CHANNELIZING LINES (TYP)
- ⑮ * LINE 4" SOLID YELLOW LINE
LINE 4" SKIP-DASH YELLOW LINE, 10' DASH - 30' SKIP (TYP.)
- ①A HOT SPRAY THERMOPLASTIC PAVEMENT MARKING LINE 4" DOUBLE SOLID YELLOW LINE, 2 @ 11" C-C (TYP.)
- ②A HOT SPRAY THERMOPLASTIC PAVEMENT MARKING LINE 4" SOLID YELLOW LINE
- ④A HOT SPRAY THERMOPLASTIC PAVEMENT MARKING LINE 4" SKIP-DASH YELLOW LINE, 10' DASH - 30' SKIP (TYP.)

ROADWAY LEGEND:

- ⊙A PROPOSED PEDESTRIAN RAMP IMPROVEMENT



IL. ROUTE 120 (ELM ST.)



NOTES:

- 1) LIMIT OF RESURFACING ON THE SIDE- STREETS THROUGHOUT THE PROJECT SHALL BE TO THE RADIUS RETURN, UNLESS OTHERWISE SHOWN ON THE PLANS, OR AS DIRECTED BY THE RESIDENT ENGINEER / TECHNICIAN.
- 2) ALL FINAL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC PAVEMENT MARKINGS.
- 3) ALL FINAL PAVEMENT MARKINGS SHALL BE PLACED IN ACCORDANCE WITH TC-13 "DISTRICT ONE TYPICAL PAVEMENT MARKINGS" STANDARD DETAIL.
- 4) ALL RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED IN ACCORDANCE WITH TC-11 "TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)" STANDARD DETAIL.

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	DRAWN -	REVISED -
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PLOT DATE = 12/21/2019	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

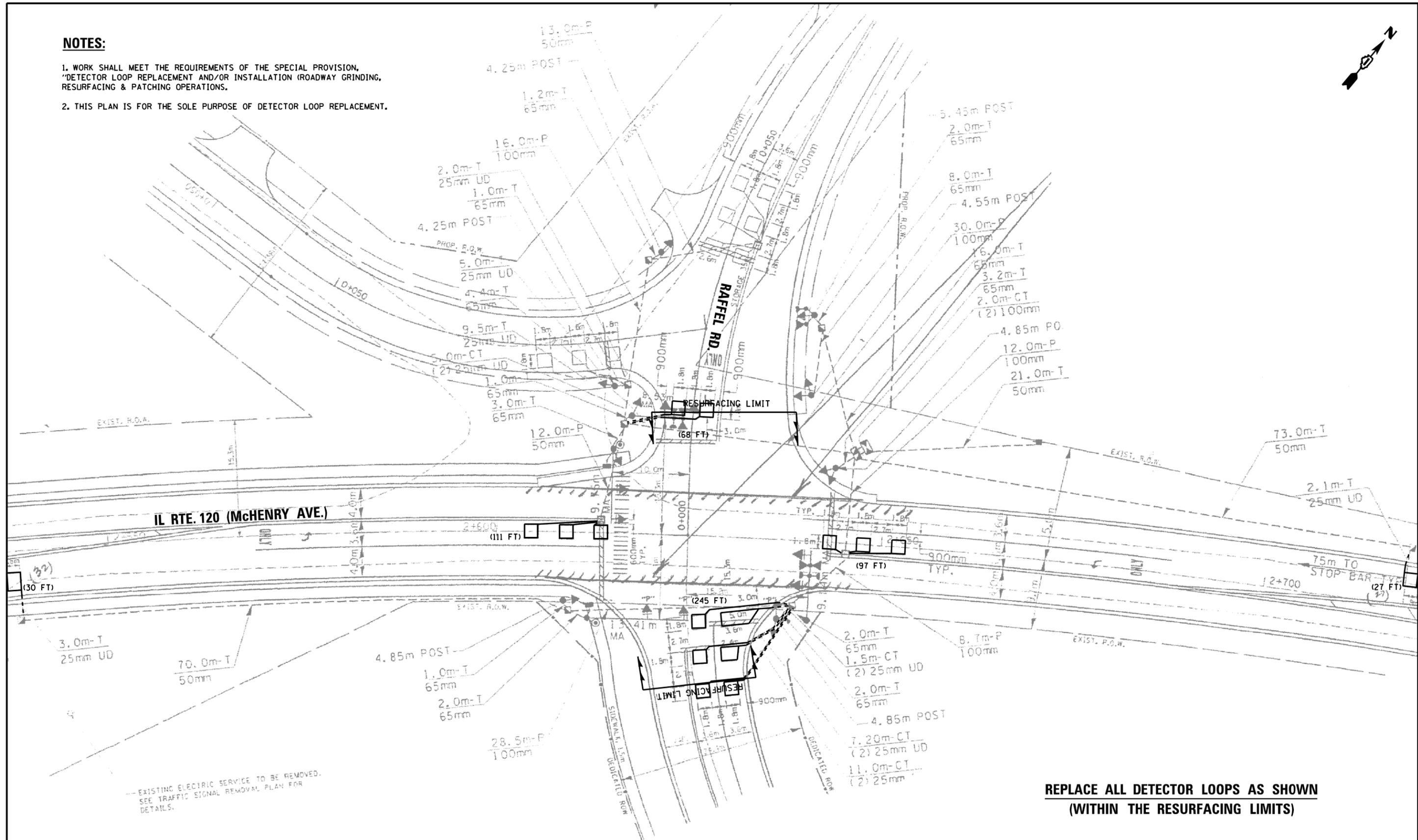
**ROADWAY AND PAVEMENT MARKING (TYP.) PLAN
IL. RTE. 120 (IL 47 - MARTIN RD.)**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
333	2017-054RS	MCHENRY	65	22
CONTRACT NO. 62F91				
ILLINOIS FED. AID PROJECT				

NOTES:

1. WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISION, "DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION (ROADWAY GRINDING, RESURFACING & PATCHING OPERATIONS).
2. THIS PLAN IS FOR THE SOLE PURPOSE OF DETECTOR LOOP REPLACEMENT.



EXISTING ELECTRIC SERVICE TO BE REMOVED. SEE TRAFFIC SIGNAL REMOVAL PLAN FOR DETAILS.

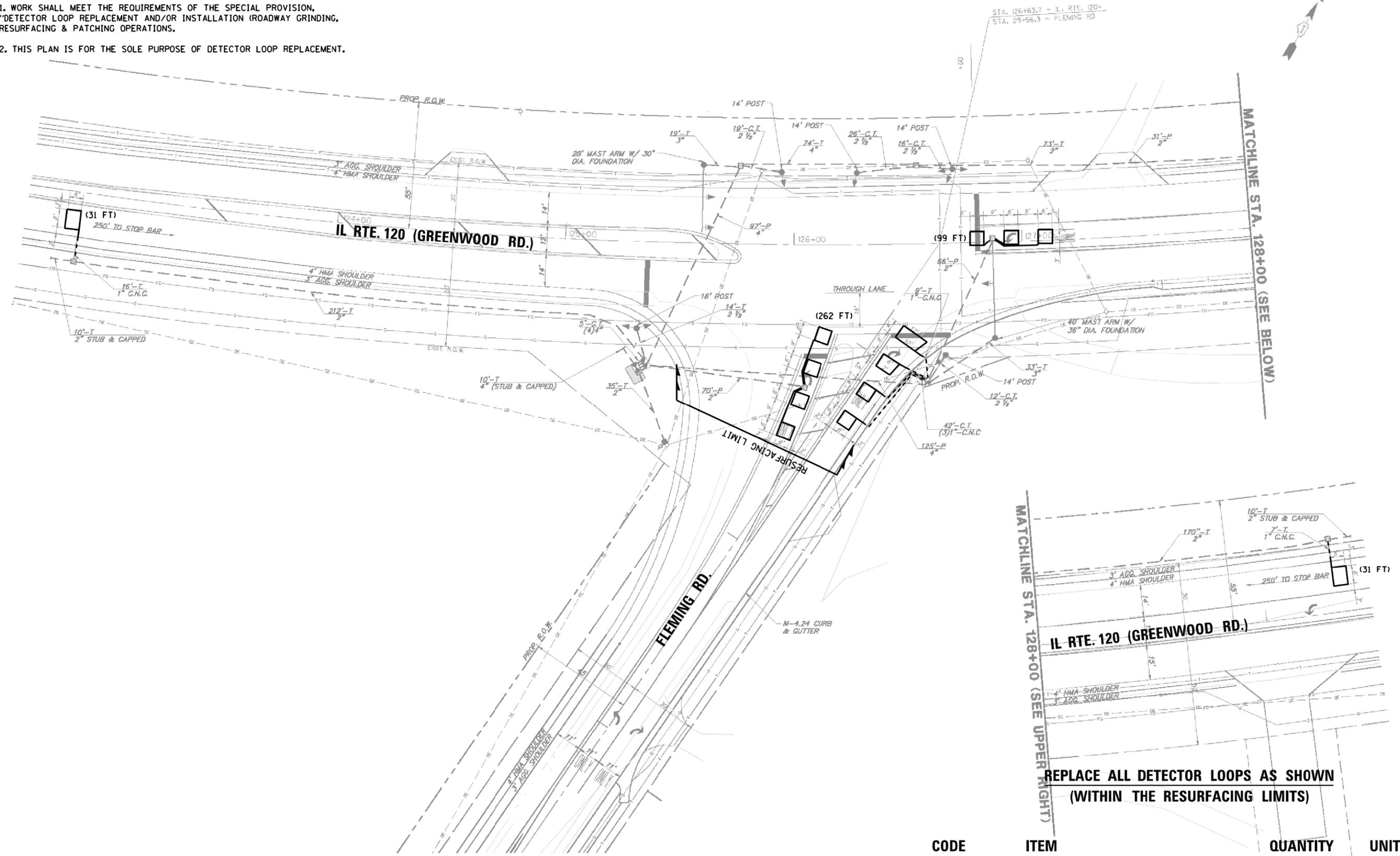
**REPLACE ALL DETECTOR LOOPS AS SHOWN
(WITHIN THE RESURFACING LIMITS)**

CODE	ITEM	QUANTITY	UNIT
88600600	DETECTOR LOOP REPLACEMENT	578	FOOT

FILE NAME = 62F91 - IL 120 @ Raffel.dgn	USER NAME = vargaso	DESIGNED - AV	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETECTOR LOOP REPLACEMENT PLAN IL RTE. 120 (McHENRY AVE.) AT RAFFEL RD.	F.A.P. RTE. 333	SECTION 2017-054RS	COUNTY McHENRY	TOTAL SHEETS 65	SHEET NO. 26	
PLOT SCALE = 40.0106 1/16"	CHECKED - LP	REVISOR -	REVISOR -			CONTRACT NO. 62F91					
PLOT DATE = 6/26/2019	DATE - 06/25/2019	REVISOR -	REVISOR -			ILLINOIS FED. AID PROJECT					
Default						SCALE:	SHEET	OF	SHEETS	STA.	TO

NOTES:

1. WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISION, "DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION (ROADWAY GRINDING, RESURFACING & PATCHING OPERATIONS).
2. THIS PLAN IS FOR THE SOLE PURPOSE OF DETECTOR LOOP REPLACEMENT.



**REPLACE ALL DETECTOR LOOPS AS SHOWN
(WITHIN THE RESURFACING LIMITS)**

CODE	ITEM	QUANTITY	UNIT
88600600	DETECTOR LOOP REPLACEMENT	423	FOOT

FILE NAME = 62F91 - IL 120 @ Fleming Rd.dgn
 USER NAME = vargaso
 PLOT SCALE = 40,0120" / in.
 PLOT DATE = 6/26/2019

DESIGNED - AV
 DRAWN - AV
 CHECKED - LP
 DATE - 06/26/2019

REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**DETECTOR LOOP REPLACEMENT PLAN
 IL RTE. 120 (GREENWOOD RD.) AT FLEMING RD.**

F.A.P. RTE. 333	SECTION 2017-054RS	COUNTY McHENRY	TOTAL SHEETS 65	SHEET NO. 27
CONTRACT NO. 62F91				
ILLINOIS FED. AID PROJECT				

SCALE: SHEET OF SHEETS STA. TO STA.

BENCHMARKS

BM#1 - BM SPIKE IN SLY FACE P.P.
 @ NLY SIDE IL. RTE. 120 @ FLEMING RD.
 ELEV. = 920.03

EXIST. CURVE E_IL120-1
 PI STA. = 137+64.04
 $\Delta = 73^\circ 51' 43''$ (LT)
 D = 2° 24' 59"
 R = 2,371.10'
 T = 1,782.28'
 L = 3,056.67'
 E = 595.15'
 e = -----
 T.R. = -----
 S.E. RUN = -----
 P.C. STA. = 119+81.76
 P.T. STA. = 150+38.43

PROP. CURVE P_IL120-1
 PI STA. = 123+81.17
 $\Delta = 17^\circ 59' 24''$ (LT)
 D = 2° 34' 07"
 R = 2,230.73'
 T = 353.11'
 L = 700.41'
 E = 27.77'
 e = -----
 T.R. = -----
 S.E. RUN = -----
 P.C. STA. = 120+28.06
 P.T. STA. = 127+28.47

PROP. CURVE P_IL120-2
 PI STA. = 137+31.83
 $\Delta = 45^\circ 45' 27''$ (LT)
 D = 2° 24' 35"
 R = 2,377.75'
 T = 1,003.36'
 L = 1,898.92'
 E = 203.03'
 e = -----
 T.R. = -----
 S.E. RUN = -----
 P.C. STA. = 127+28.47
 P.T. STA. = 146+27.39

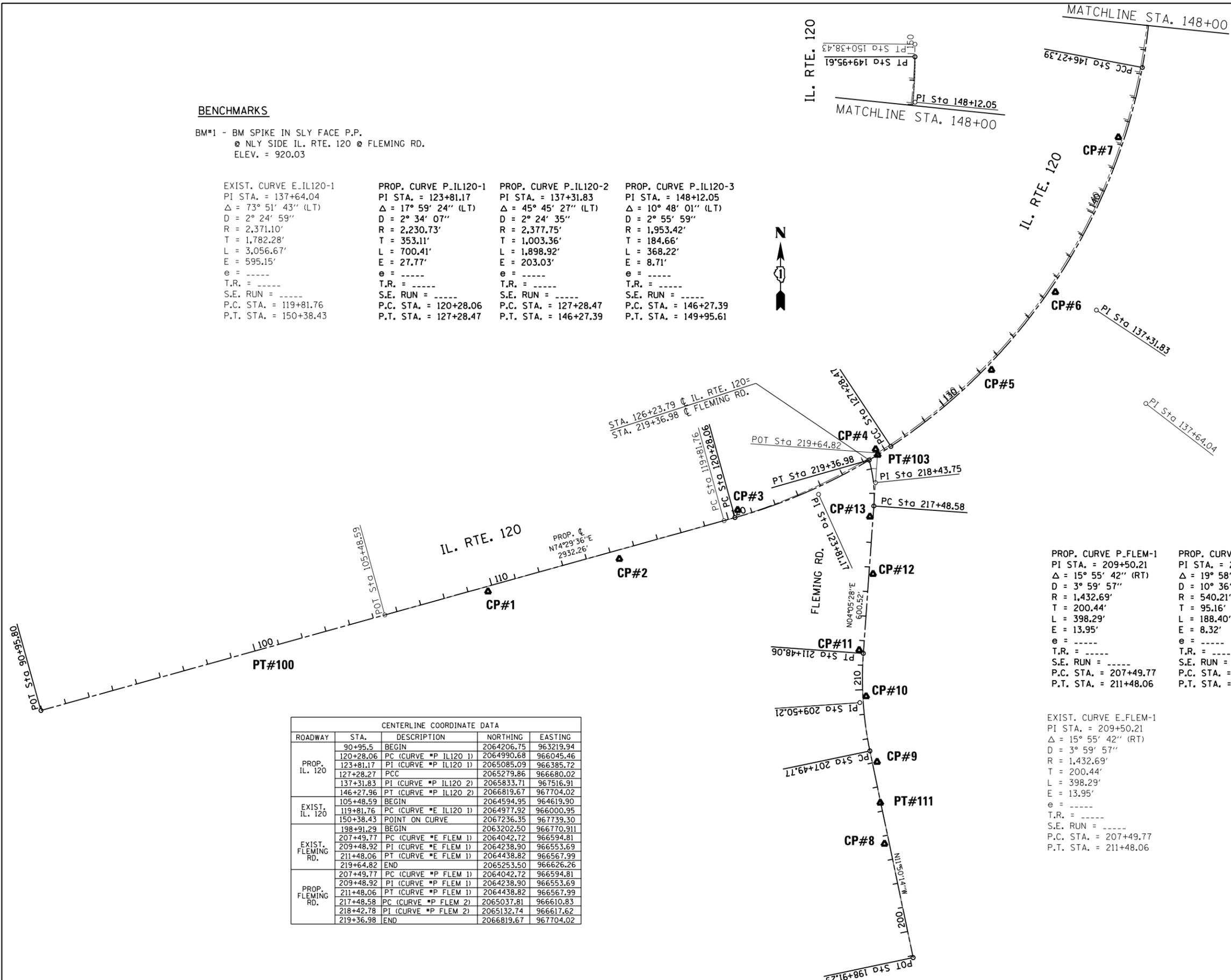
PROP. CURVE P_IL120-3
 PI STA. = 148+12.05
 $\Delta = 10^\circ 48' 01''$ (LT)
 D = 2° 55' 59"
 R = 1,953.42'
 T = 184.66'
 L = 368.22'
 E = 8.71'
 e = -----
 T.R. = -----
 S.E. RUN = -----
 P.C. STA. = 146+27.39
 P.T. STA. = 149+95.61

PROP. CURVE P_FLEM-1
 PI STA. = 209+50.21
 $\Delta = 15^\circ 55' 42''$ (RT)
 D = 3° 59' 57"
 R = 1,432.69'
 T = 200.44'
 L = 398.29'
 E = 13.95'
 e = -----
 T.R. = -----
 S.E. RUN = -----
 P.C. STA. = 207+49.77
 P.T. STA. = 211+48.06

PROP. CURVE P_FLEM-2
 PI STA. = 218+43.75
 $\Delta = 19^\circ 58' 54''$ (LT)
 D = 10° 36' 22"
 R = 540.21'
 T = 95.16'
 L = 188.40'
 E = 8.32'
 e = -----
 T.R. = -----
 S.E. RUN = -----
 P.C. STA. = 217+48.58
 P.T. STA. = 219+36.98

EXIST. CURVE E_FLEM-1
 PI STA. = 209+50.21
 $\Delta = 15^\circ 55' 42''$ (RT)
 D = 3° 59' 57"
 R = 1,432.69'
 T = 200.44'
 L = 398.29'
 E = 13.95'
 e = -----
 T.R. = -----
 S.E. RUN = -----
 P.C. STA. = 207+49.77
 P.T. STA. = 211+48.06

CENTERLINE COORDINATE DATA				
ROADWAY	STA.	DESCRIPTION	NORTHING	EASTING
PROP. IL. 120	90+95.5	BEGIN	2064206.75	963219.94
	120+28.06	PC (CURVE *P IL120 1)	2064990.68	966045.46
	123+81.17	PI (CURVE *P IL120 1)	2065085.09	966385.72
	127+28.27	PCC	2065279.86	966680.02
	137+31.83	PI (CURVE *P IL120 2)	2065833.71	967516.91
EXIST. IL. 120	146+27.96	PT (CURVE *P IL120 2)	2066819.67	967704.02
	105+48.59	BEGIN	2064594.95	964619.90
EXIST. FLEMING RD.	119+81.76	PC (CURVE *E IL120 1)	2064977.92	966000.95
	150+38.43	POINT ON CURVE	2067236.35	967739.30
	198+91.29	BEGIN	2063202.50	966770.911
PROP. FLEMING RD.	207+49.77	PC (CURVE *E FLEM 1)	2064042.72	966594.81
	209+48.92	PI (CURVE *E FLEM 1)	2064238.90	966553.69
	211+48.06	PT (CURVE *E FLEM 1)	2064438.82	966567.99
	219+64.82	END	2065253.50	966626.26
	207+49.77	PC (CURVE *P FLEM 1)	2064042.72	966594.81
PROP. FLEMING RD.	209+48.92	PI (CURVE *P FLEM 1)	2064238.90	966553.69
	211+48.06	PT (CURVE *P FLEM 1)	2064438.82	966567.99
	217+48.58	PC (CURVE *P FLEM 2)	2065037.81	966610.83
	218+42.78	PI (CURVE *P FLEM 2)	2065132.74	966617.62
	219+36.98	END	2066819.67	967704.02



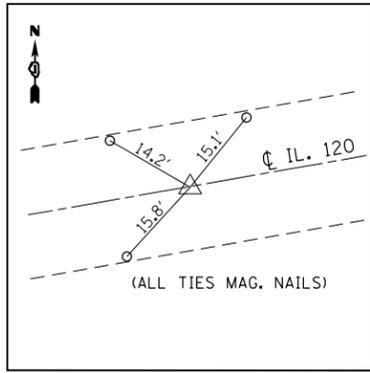
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DI22218-Drwells-sht-ATB.dgn		DRAWN -	REVISED -
		CHECKED -	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**IL. ROUTE 120 AT FLEMING RD.
 ALIGNMENT, TIES AND BENCHMARKS**

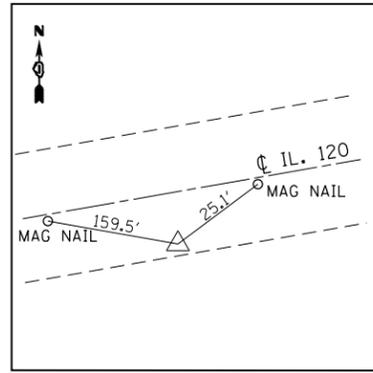
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
333	NHPP-054-RS	MCHEMRY	65	41
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62F91	



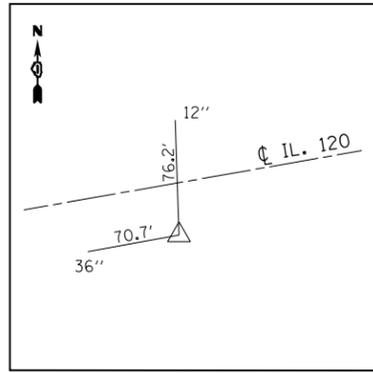
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MAG NAIL
STA. 100+00
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E 964092.4207



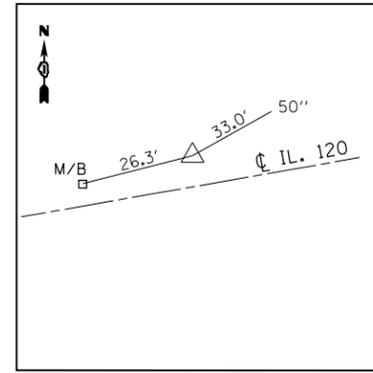
PT #1

I.R. W/CAP
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E 965040.0356



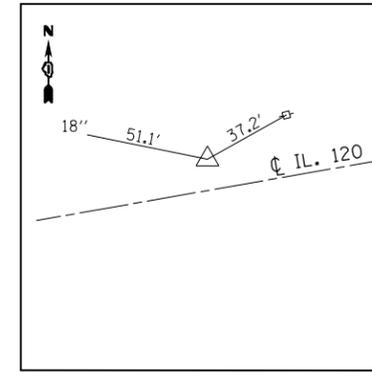
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E 965.574.5472



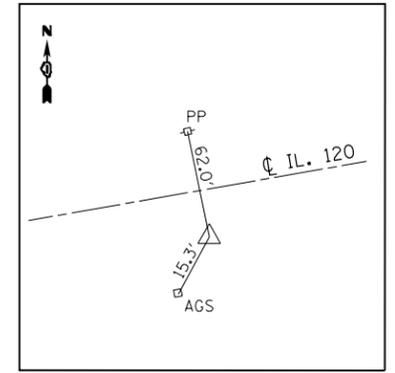
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MAG NAIL
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E 966056.5594



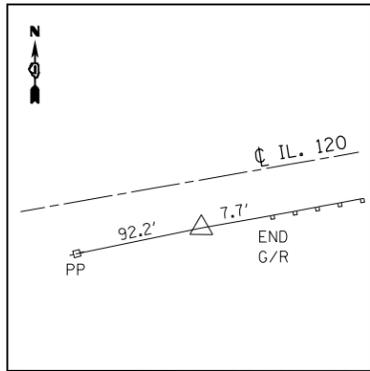
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I.R. W/CAP
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E 966618.1340



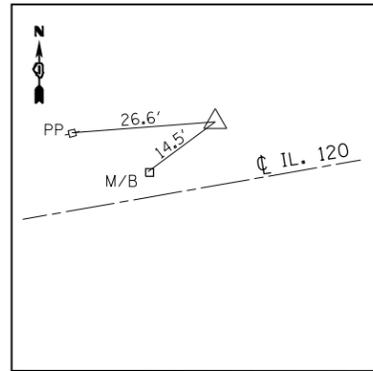
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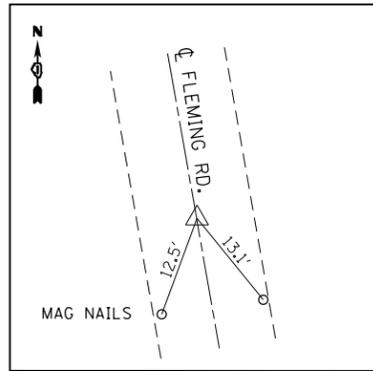
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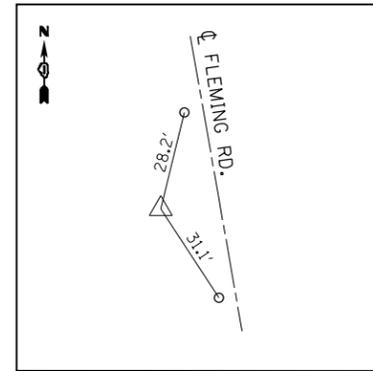
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MAG NAIL
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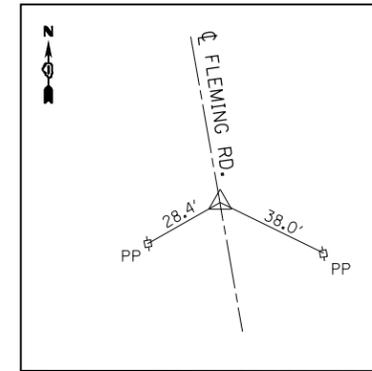
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MAG NAIL
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E 966741.8569



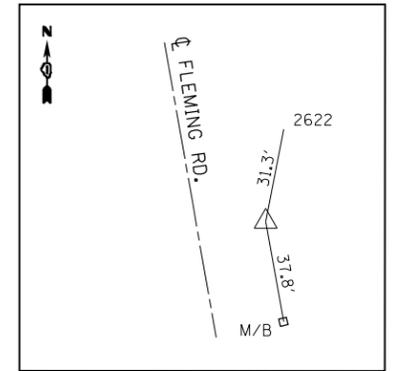
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MAG NAIL
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E 966654.2635



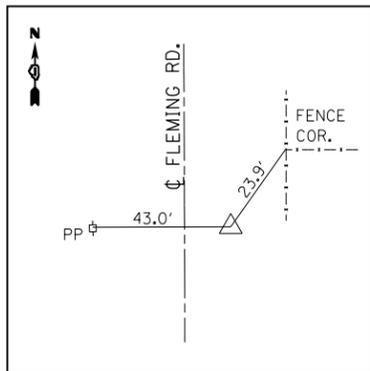
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P.O.T.
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E 966637.2883



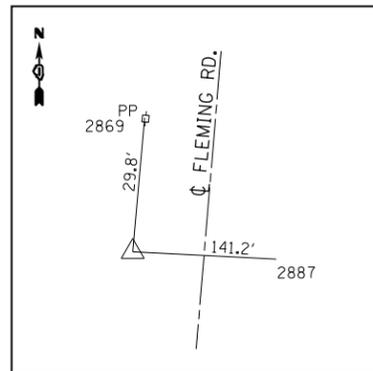
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E 966624.0622



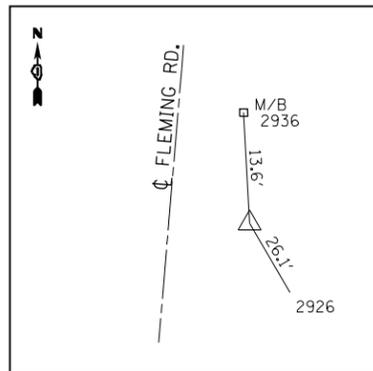
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E 966579.3776



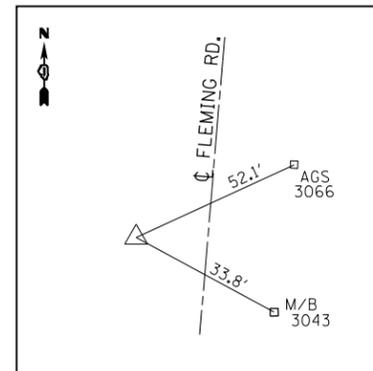
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MAG NAIL
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E 966551.2030



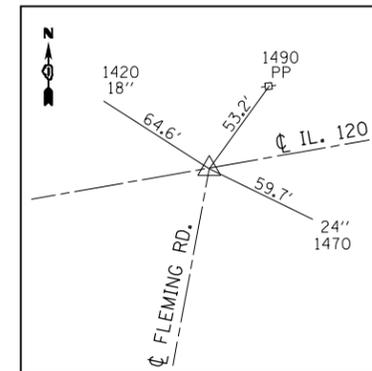
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I.R. W/CAP
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E 966607.5479



PT #13

I.R. W/CAP
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E 966594.7586



PT #103

I.R. W/CAP
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E 966626.8311

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DI22218-Drjwell1s-sht-ATB.dgn

USER NAME = lababidm
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PLOT DATE = 12/13/2019

DESIGNED -
DRAWN -
CHECKED -
DATE -

REVISED -
REVISED -
REVISED -
REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL. ROUTE 120 AT FLEMING RD.
ALIGNMENT, TIES AND BENCHMARKS**

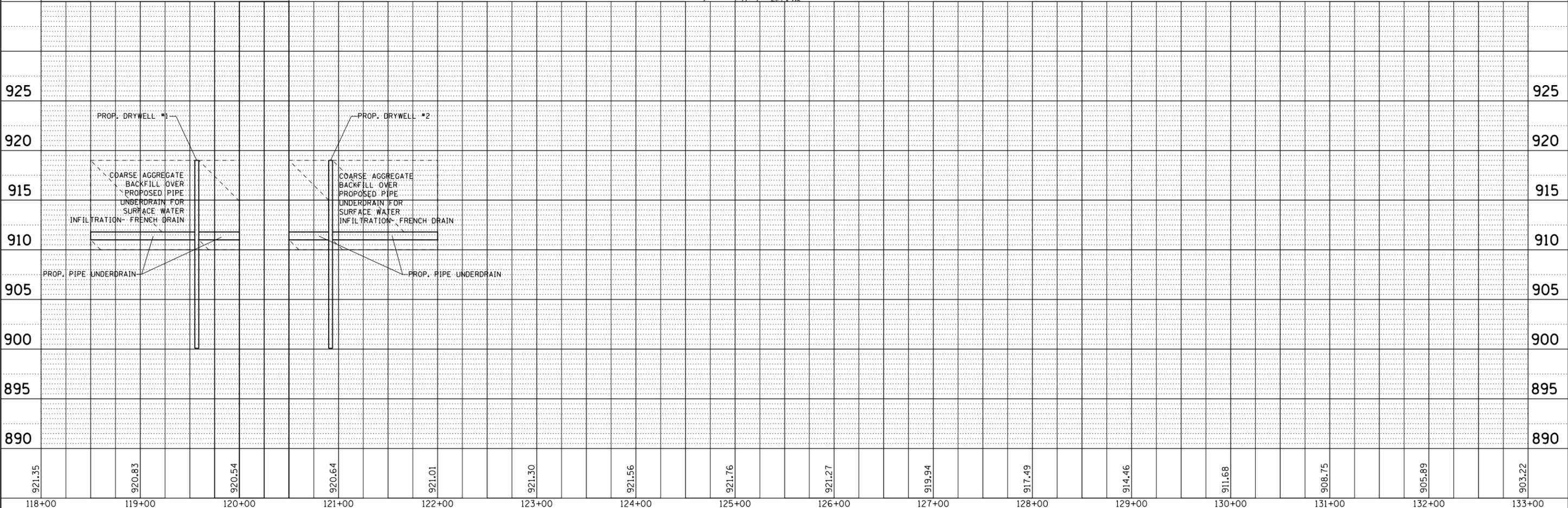
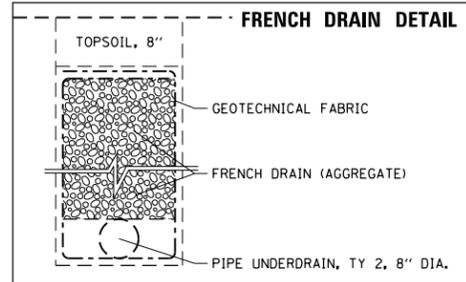
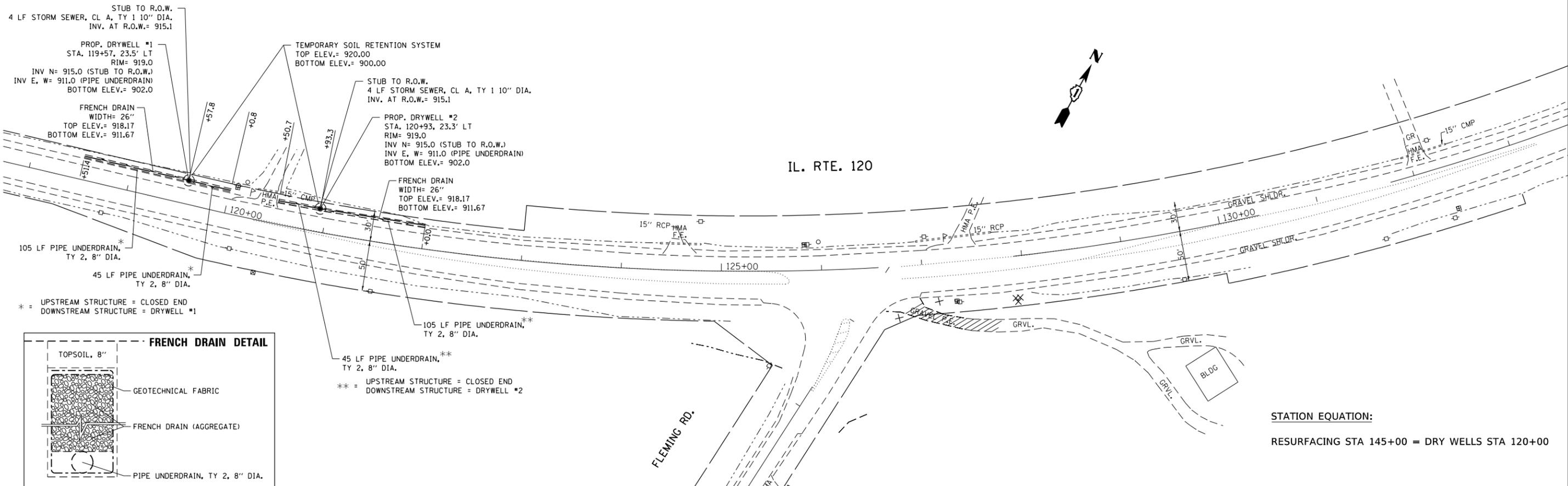
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
333	2017-054-RS	McHENRY	65	42
CONTRACT NO. 62F91				
ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	DATE
	PLOTTED	BY
	ALIGNED	
	CHECKED	
	FILE NAME	
	NO.	

PROFILE	SURVEYED	DATE
	PLOTTED	BY
	GRADES	
	CHECKED	
	STRUCTURE	
	NOTATION	
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USER NAME = Vclchikovvv	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 1/23/2020	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**DRYWELLS PLAN
 AT IL ROUTE 120 WEST OF FLEMING ROAD**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
333	2017-054-RS	MCHENRY	65	43
CONTRACT NO. 62F91				
ILLINOIS FED. AID PROJECT				

SCALE: SHEET OF SHEETS STA. TO STA.

STUB TO R.O.W.
 4 LF STORM SEWER, CL A, TY 1 10" DIA.
 INV. AT R.O.W.= 915.1

PROP. DRYWELL #1
 STA. 119+57, 23.5' LT
 RIM= 919.0
 INV N= 915.0 (STUB TO R.O.W.)
 INV E, W= 911.0 (PIPE UNDERDRAIN)
 BOTTOM ELEV.= 902.0

FRENCH DRAIN
 WIDTH= 26"
 TOP ELEV.= 918.17
 BOTTOM ELEV.= 911.67

TEMPORARY SOIL RETENTION SYSTEM
 TOP ELEV.= 920.00
 BOTTOM ELEV.= 900.00

STUB TO R.O.W.
 4 LF STORM SEWER, CL A, TY 1 10" DIA.
 INV. AT R.O.W.= 915.1

PROP. DRYWELL #2
 STA. 120+93, 23.3' LT
 RIM= 919.0
 INV N= 915.0 (STUB TO R.O.W.)
 INV E, W= 911.0 (PIPE UNDERDRAIN)
 BOTTOM ELEV.= 902.0

FRENCH DRAIN
 WIDTH= 26"
 TOP ELEV.= 918.17
 BOTTOM ELEV.= 911.67

105 LF PIPE UNDERDRAIN,
 TY 2, 8" DIA. *

45 LF PIPE UNDERDRAIN,
 TY 2, 8" DIA. *

* = UPSTREAM STRUCTURE = CLOSED END
 DOWNSTREAM STRUCTURE = DRYWELL #1

STATION EQUATION:

RESURFACING STA 145+00 = DRY WELLS STA 120+00

105 LF PIPE UNDERDRAIN,
 TY 2, 8" DIA. **

45 LF PIPE UNDERDRAIN,
 TY 2, 8" DIA. **

** = UPSTREAM STRUCTURE = CLOSED END
 DOWNSTREAM STRUCTURE = DRYWELL #2

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	DRAWN -	REVISED -
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PLOT DATE = 1/23/2020	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

DRYWELLS PLAN - DETAIL
 AT IL ROUTE 120 WEST OF FLEMING ROAD

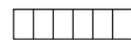
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
333	2017-054-R5	MCHENRY	65	44
CONTRACT NO. 62F91				
ILLINOIS FED. AID PROJECT				

LEGEND



WORK AREA



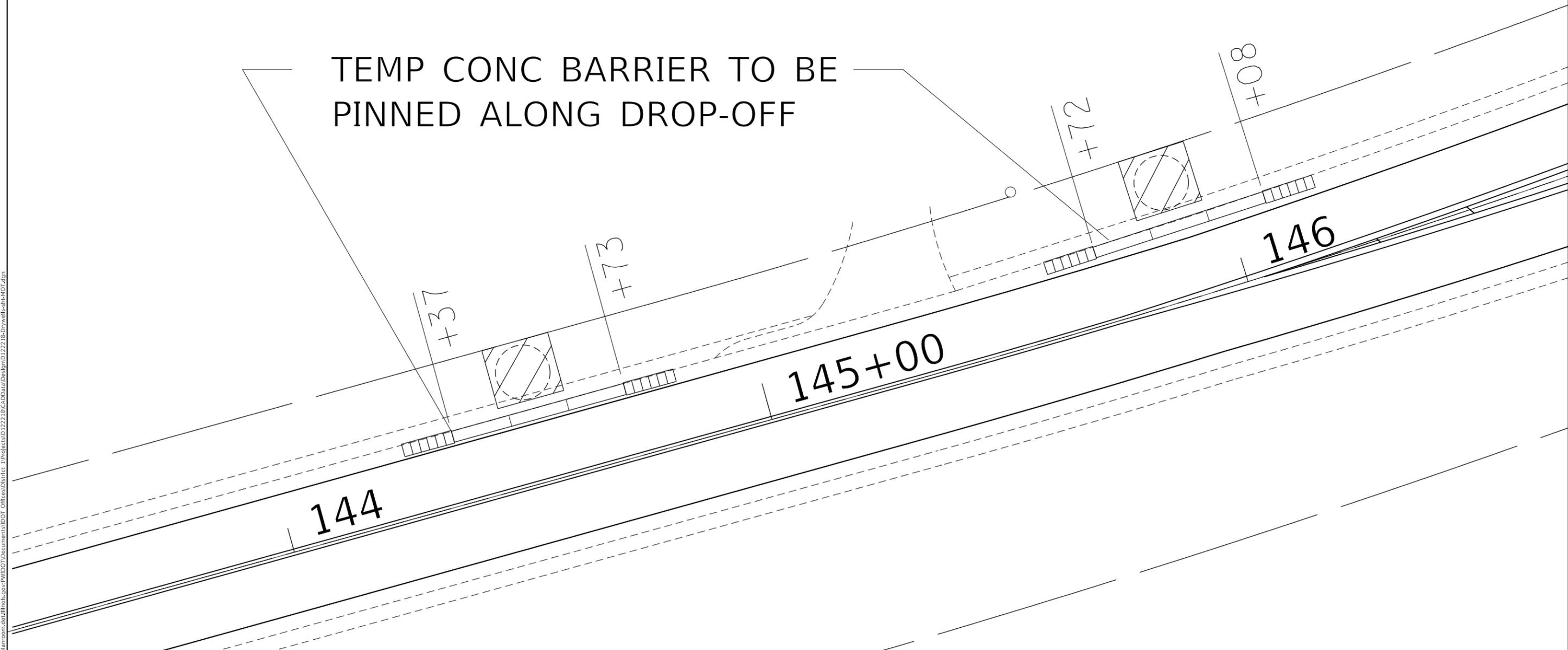
IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3

STATION EQUATION:

RESURFACING STA 145+00 = DRY WELLS STA 120+00



TEMP CONC BARRIER TO BE PINNED ALONG DROP-OFF



MODEL: Default
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USER NAME = Vclchkovvv	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 20.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 1/23/2020	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRYWELLS - TRAFFIC CONTROL (MOT) - DETAIL
AT IL ROUTE 120 WEST OF FLEMING ROAD

SCALE: SHEET OF SHEETS STA. TO STA.

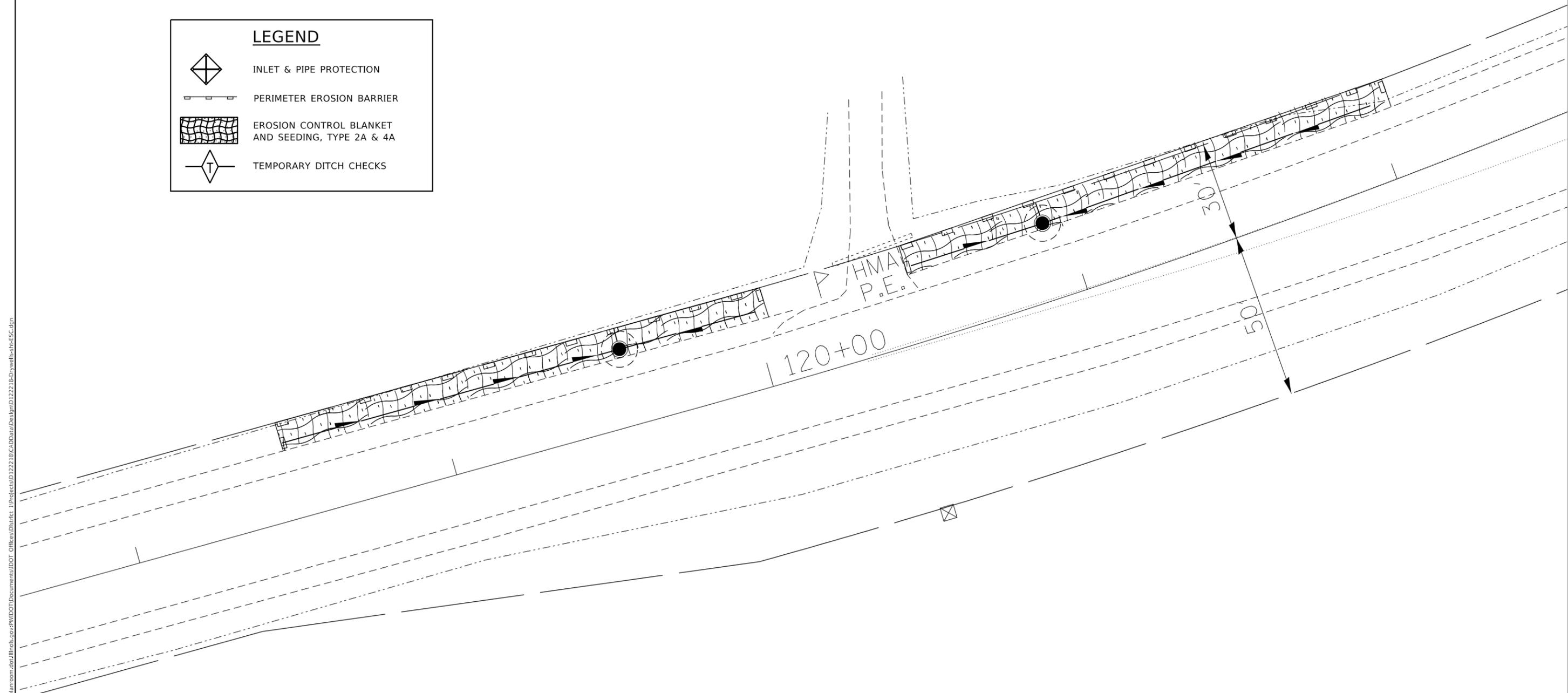
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
333	2017-054-R5	MCHENRY	65	46
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62F91	

NOTE:

1) RESURFACING ALIGNMENT STA 145+00 IS EQUAL TO DRY WELLS ALIGNMENT 120+00

2) FINAL GROUND RESTORATION SHALL BE DONE WITH SEEDING TYPE 2A & 4A AND EROSION CONTROL BLANKET

LEGEND	
	INLET & PIPE PROTECTION
	PERIMETER EROSION BARRIER
	EROSION CONTROL BLANKET AND SEEDING, TYPE 2A & 4A
	TEMPORARY DITCH CHECKS



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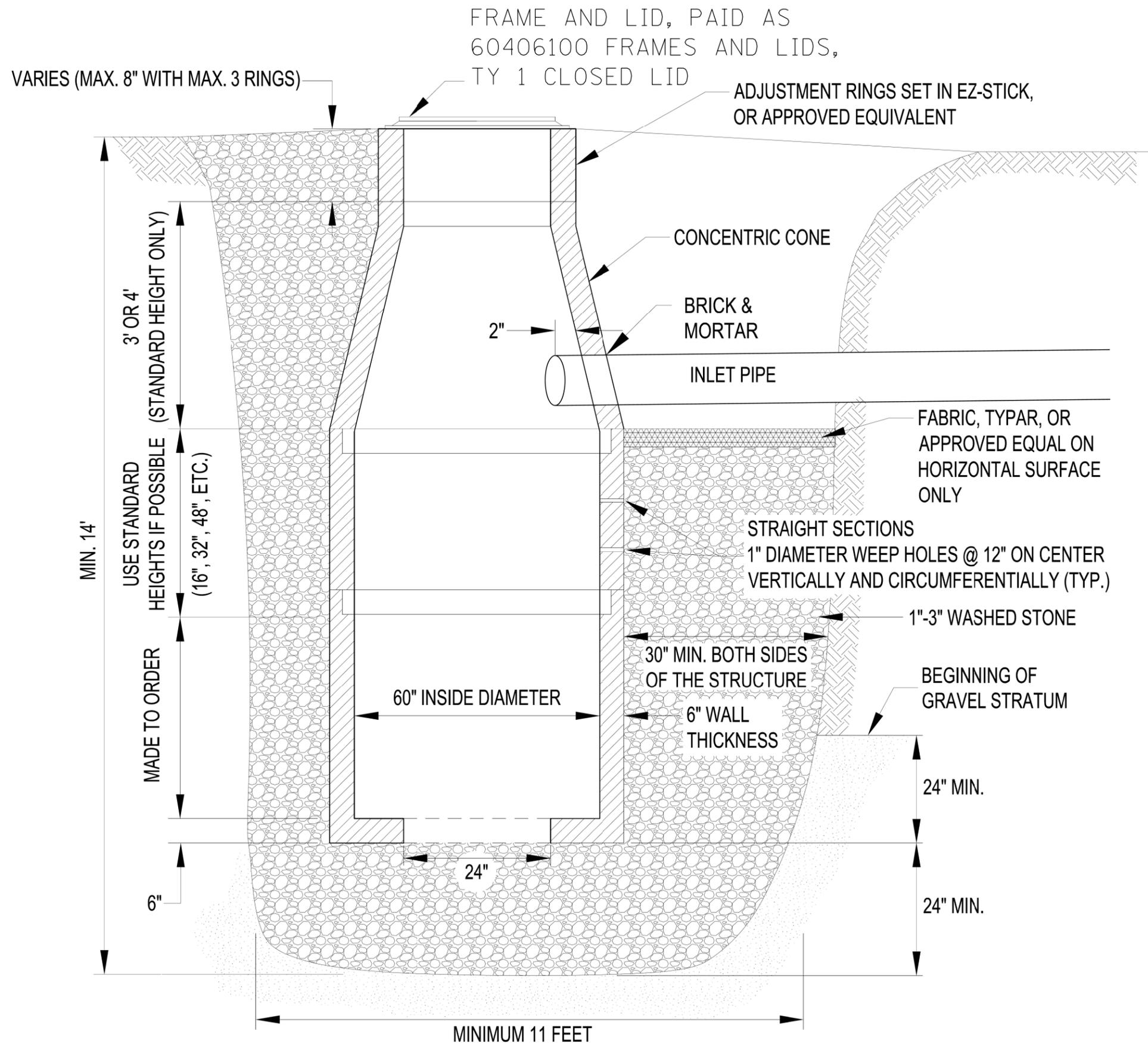
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DRYWELLS EROSION & SEDIMENT CONTROL & LANDSCAPING PLAN
AT IL ROUTE 120 WEST OF FLEMING ROAD**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
333	2017-054-R5	MCHENRY	65	47
ILLINOIS			FED. AID PROJECT	

CONTRACT NO. 62F91



DRYWELLS

DESCRIPTION. THIS WORK SHALL CONSIST OF CONSTRUCTING DRYWELLS.

GENERAL. DRYWELLS SHALL BE CONSTRUCTED ACCORDING TO APPLICABLE PORTIONS OF SECTION 602 OF THE STANDARD SPECIFICATIONS, THIS DETAIL, TO THE LINES AND GRADES SHOWN ON THE PLANS AND AS DIRECTED BY THE RESIDENT ENGINEER / TECHNICIAN.

ALL EXCAVATED MATERIAL NOT NEEDED ON THE WORK SHALL BE DISPOSED OF ACCORDING TO ARTICLE 202.03.

BASIS OF PAYMENT. THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER EACH FOR DRYWELL.

ALL EXCAVATION REQUIRED IN THE PERFORMANCE OF THE WORK, DISPOSAL OF EXCAVATION, BACKFILL, AND MATERIALS CALLED OUT IN THIS DETAIL (UNLESS OTHERWISE NOTED) SHALL BE INCLUDED IN THE UNIT BID PRICE PER EACH FOR DRYWELL.

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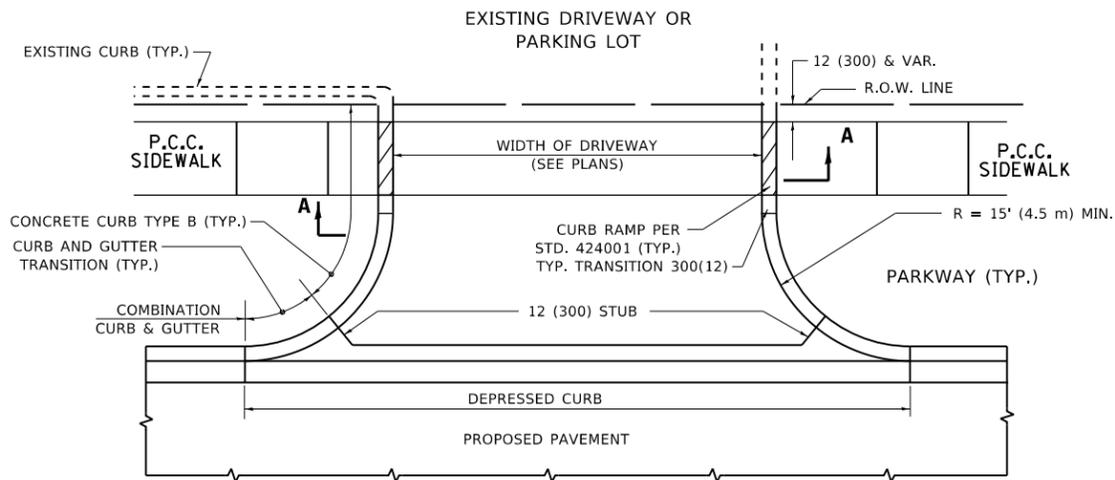
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	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

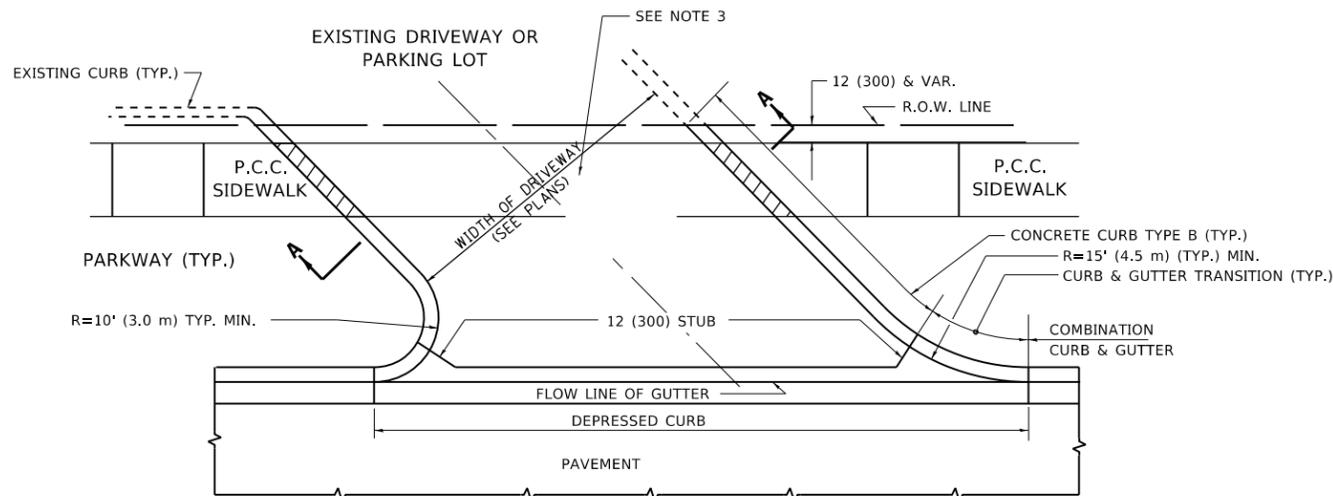
**DRYWELLS - DETAIL
AT IL ROUTE 120 WEST OF FLEMING ROAD**

SCALE: SHEET OF SHEETS STA. TO STA.

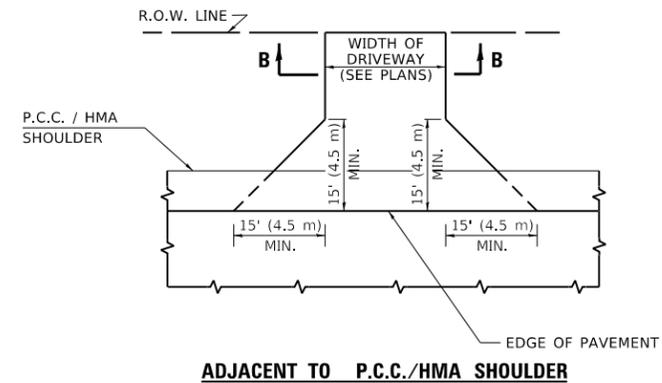
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333	2017-054-R5	MCHENRY	65	48
CONTRACT NO. 62F91			ILLINOIS FED. AID PROJECT	



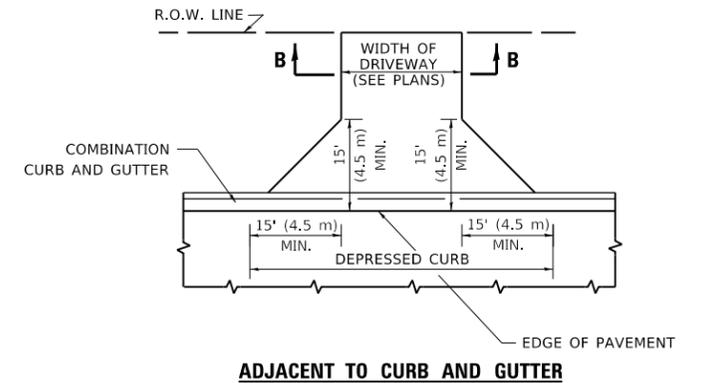
WITH CONCRETE CURB, TYPE B



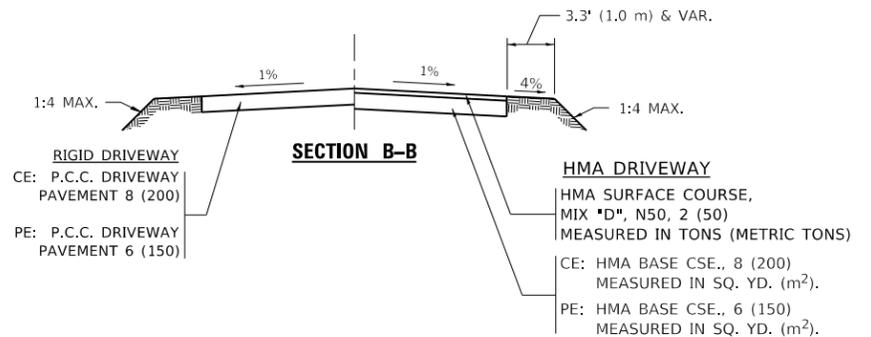
WITH CONCRETE CURB, TYPE B



ADJACENT TO P.C.C./HMA SHOULDER



ADJACENT TO CURB AND GUTTER



GENERAL NOTES:

DRIVEWAY SLOPES, LOCATIONS, & GEOMETRIC LAYOUT SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE "HANDBOOK FOR POLICY ON PERMITS FOR ACCESS DRIVEWAYS TO STATE HIGHWAYS". FOR FURTHER LAYOUT REQUIREMENTS, REFER TO ILLUSTRATIONS IN THE PERMIT HANDBOOK. DRIVEWAYS SHALL BE REPLACED IN KIND, UNLESS OTHERWISE NOTED ON THE PLANS.

COMMERCIAL DRIVEWAYS SHALL BE CONSTRUCTED WITH CONCRETE CURB, TYPE B RETURNS EXCEPT WHEN THE SIDEWALK EDGE IS 4 FEET (1.2 METERS) OR LESS FROM THE BACK OF CURB, CONSTRUCT A FLARE DRIVEWAY WITHOUT CURB.

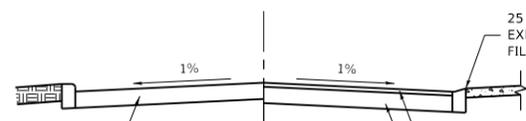
THE RESIDENT ENGINEER SHALL CONTACT THE TRAFFIC PERMIT OFFICE AT 847/ 705-4131 FOR ANY QUESTIONS ON DRIVEWAYS SHOWN IN THE PLANS; SPECIFICALLY IN REFERENCE TO ADDITIONAL AND/OR RELOCATION/REMOVAL OF A DRIVEWAY.

COMBINATION CONCRETE CURB & GUTTER SHALL BE MEASURED STRAIGHT ACROSS THE DRIVEWAY. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR THE CURB & GUTTER TRANSITION.

1 (25) PREFORMED EXPANSION JOINT FILLER WILL NOT BE PAID SEPARATELY, BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF THE P.C.C. DRIVEWAY PAVEMENT OR P.C.C. SIDEWALK.

WHEN THE P.C.C. SIDEWALK EXTENDS THROUGH THE DRIVEWAY, THE THICKNESS OF THE SIDEWALK IN THE DRIVEWAY AREA SHALL BE THE SAME AS THE DRIVEWAY THICKNESS. SIDEWALK WILL BE PAID FOR AS P.C.C. SIDEWALK OF THE THICKNESS SPECIFIED. SIDEWALK CROSS SLOPE THRU DRIVEWAY AREA TO BE A MAXIMUM OF 1:50.

RIGID DRIVEWAY
 COMMERCIAL ENTRANCE (CE):
 P.C.C. DRIVEWAY PAVEMENT 8 (200)
 MEASURED IN SQ. YD. (m²)
 NON-COMMERCIAL ENTRANCE (PE):
 P.C.C. DRIVEWAY PAVEMENT 6 (150)
 MEASURED IN SQ. YD. (m²)



SECTION A-A

HMA DRIVEWAY
 HMA SURFACE COURSE,
 MIX "D", N50, 2 (50)
 MEASURED IN TONS (METRIC TONS)
 CE: HMA BASE COURSE, 8 (200)
 MEASURED IN SQ. YD. (m²).
 PE: HMA BASE COURSE, 6 (150)
 MEASURED IN SQ. YD. (m²).

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	DRAWN -	REVISED - R. BORO 01-01-07
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED - R. BORO 06-11-08
PLOT DATE = 12/13/2019	DATE - 11-04-95	REVISED - R. BORO 09-06-11

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

DRIVEWAY DETAILS - DISTANCE BETWEEN R.O.W. AND FACE OF CURB & EDGE OF SHOULDER ≥ 15'(4.5m)			
SCALE: NONE	SHEET 1 OF 1 SHEETS	STA. TO STA.	

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
333	2017-054RS	MCHENRY	65	49
BD400-01 (BD-01)		CONTRACT NO. 62F91		
ILLINOIS		FED. AID PROJECT		

VARIABLE - TO MEET EXISTING DIMENSIONS AND FIELD CONDITIONS (SEE NOTE 2)

PROP. CONC. CURB OR CURB AND GUTTER REPLACEMENT IN ACCORDANCE WITH STATE STANDARD 606001. (SEE NOTE 2)

SAW CUT FULL DEPTH - INCLUDED IN THE COST OF SIDEWALK, DRIVEWAY OR MEDIAN SURFACE REMOVAL PAY ITEM.

SEE STATE STANDARD 606001

18" (450) MAX.

EXISTING OR PROPOSED HMA SURFACE (IF APPLICABLE)

¼" (5) **

EXISTING SIDEWALK, DRIVEWAY, MEDIAN SURFACE, SOD OR GROUND.

PROPOSED SIDEWALK, DRIVEWAY PAVEMENT, MEDIAN SURFACE OR SODDING SALT TOLERANT WITH TOP SOIL, 4" (100) SOD RESTORATION (SEE NOTE 1).

EXISTING CONCRETE PAVEMENT, CONCRETE BASE COURSE OR FLEXIBLE PAVEMENT

3" (75) MIN.

SUITABLE BACKFILL MATERIAL (INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT)

PROPOSED ¾" (20) PREFORMED EXPANSION JOINT AT CONCRETE SIDEWALKS, DRIVEWAYS, AND MEDIANS. (INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.)

* 3" (75) MINIMUM FROM TOP AND BOTTOM OF THE CONCRETE PAVEMENT OR BASE COURSE.

** IF THE FINAL SURFACE OF THE PAVEMENT IS CONCRETE, THE GUTTER IS TO BE FLUSH WITH THE PAVEMENT.

UNSUITABLE SUB-BASE MATERIAL TO BE REMOVED, IF DIRECTED BY THE ENGINEER, SHALL BE REPLACED WITH EITHER SUB-BASE GRANULAR MATERIAL, TYPE B OR ADDITIONAL THICKNESS OF CONCRETE.

REMOVAL AND REPLACEMENT 4" (100) OR LESS IS INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.

REMOVAL AND REPLACEMENT IN EXCESS OF 4" (100) WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS.

PROPOSED #6 (20) EPOXY COATED TIE BARS 24" (600) LONG AT 24" (600) CENTERS WILL NOT BE PAID FOR SEPARATELY. DELETE EPOXY COATED TIE BARS IF EXISTING TIE BARS ARE USUABLE AS DETERMINED BY THE ENGINEER. (SEE NOTE 3).

NOTE:

- SIDEWALK, DRIVEWAY PAVEMENT OR MEDIAN SURFACE SHALL BE SIMILAR TO THE MATERIAL BEING REMOVED AND WILL BE PAID FOR SEPARATELY.
SODDING, SALT TOLERANT AND TOP SOIL, FURNISH AND PLACE 4" WILL BE PAID FOR SEPARATELY.
- FERTILIZER FOR THE PLACEMENT OF THE SOD IS NOT REQUIRED.
- CURB OR CURB AND GUTTER REPLACEMENT SHALL MATCH THE SHAPE OF THE EXISTING CURB OR CURB AND GUTTER UNLESS OTHERWISE SPECIFIED.
- FOR CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT ADJACENT TO FLEXIBLE PAVEMENT DELETE EPOXY COATED TIE BARS.
- LONGITUDINAL BARS, IF ENCOUNTERED IN THE EXISTING CURB OR CURB AND GUTTER, ARE NOT TO BE REPLACED. CUTTING AND REMOVING LONGITUDINAL BARS SHALL BE INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.
- THE COST OF HMA SURFACE REMOVAL IN THE EXISTING GUTTER FLAG SHALL BE INCLUDED IN THE COST OF THE CURB AND GUTTER REMOVAL AND REPLACEMENT.
- THE REMOVAL AND REPLACEMENT OF THE EXISTING CURB OR CURB AND GUTTER SHALL BE DONE IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF SECTION 440 AND 606 OF THE STANDARD SPECIFICATIONS.
- THE LOCATIONS OF REMOVAL AND REPLACEMENT OF EXISTING CURB OR CURB AND GUTTER SHALL BE DETERMINED BY THE RESIDENT ENGINEER AT THE TIME OF CONSTRUCTION.

BASIS OF PAYMENT

THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER FOOT (METER) FOR "CURB REMOVAL AND REPLACEMENT" OR "COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT".

CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

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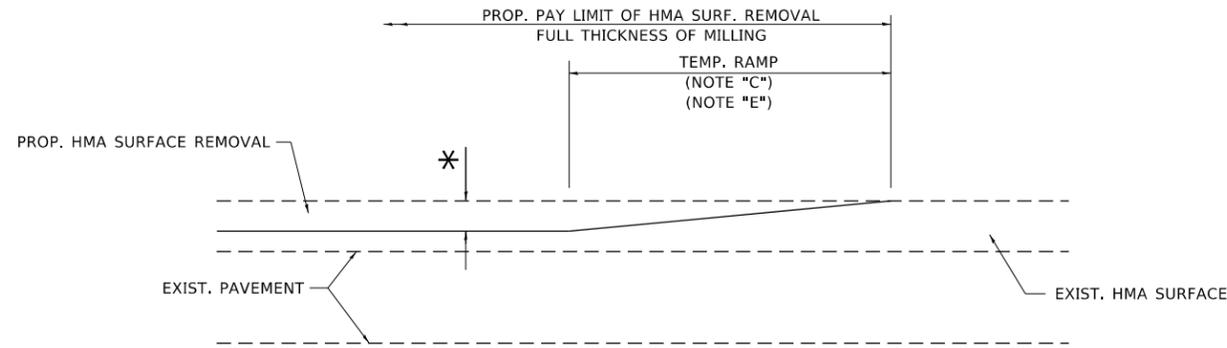
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	DRAWN -	REVISED - A. ABBAS 03-21-97
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED - M. GOMEZ 01-22-01
PLOT DATE = 12/13/2019	DATE - 03-11-94	REVISED - R. BORO 12-15-09

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CURB OR CURB AND GUTTER
REMOVAL AND REPLACEMENT

SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

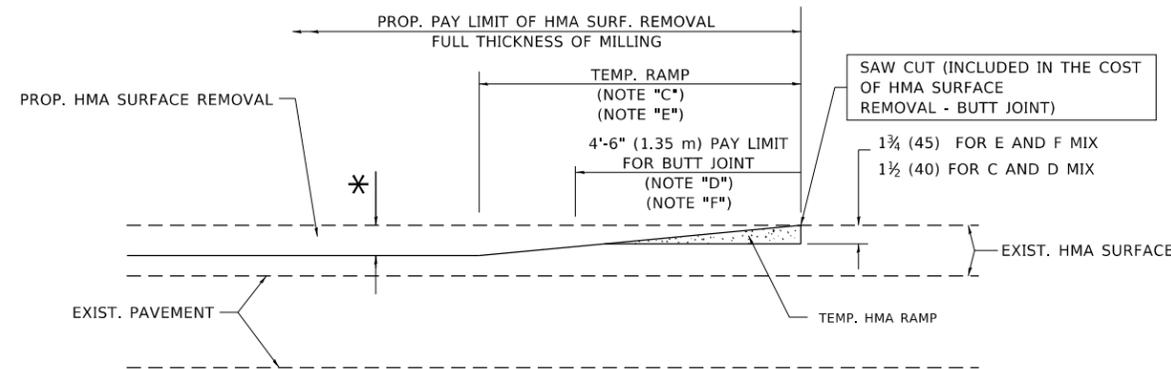
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
333	2017-054RS	MCHENRY	65	53
BD600-06 (BD-24)			CONTRACT NO. 62F91	
ILLINOIS FED. AID PROJECT				



MILLED TEMPORARY RAMP

(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 1

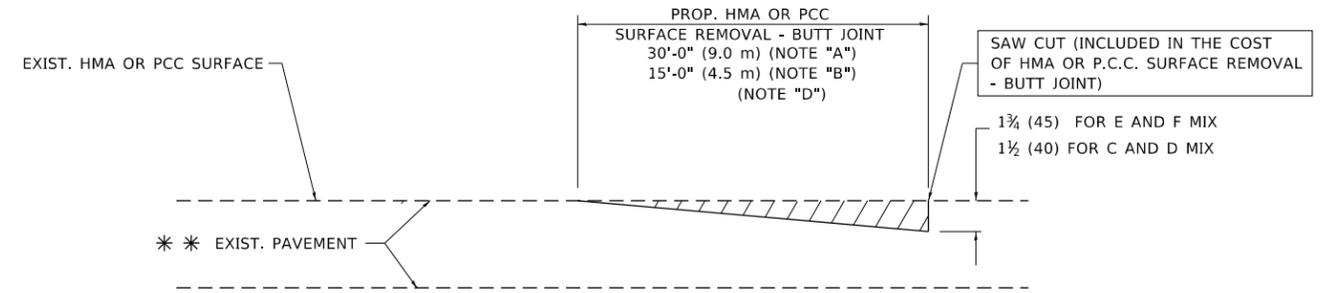


HMA CONSTRUCTED TEMPORARY RAMP

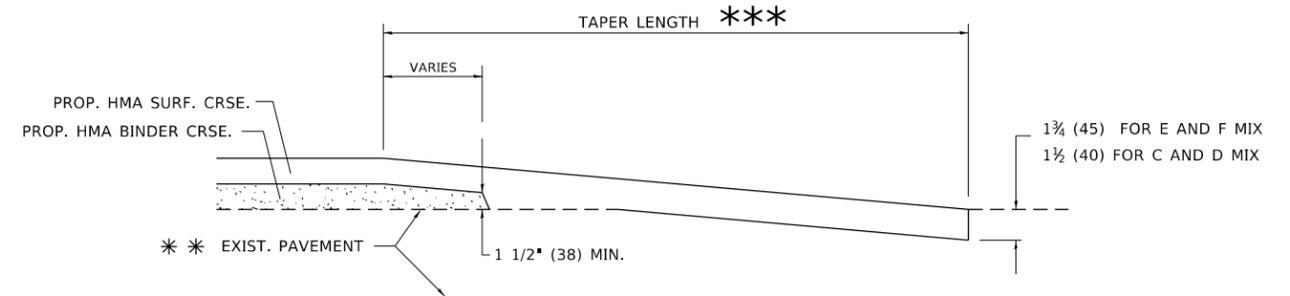
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 2

TYPICAL TEMPORARY RAMP



BUTT JOINT DETAIL



HMA TAPER DETAIL

TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY

*** PC CONCRETE, HMA OR HMA RESURFACED PAVEMENT.

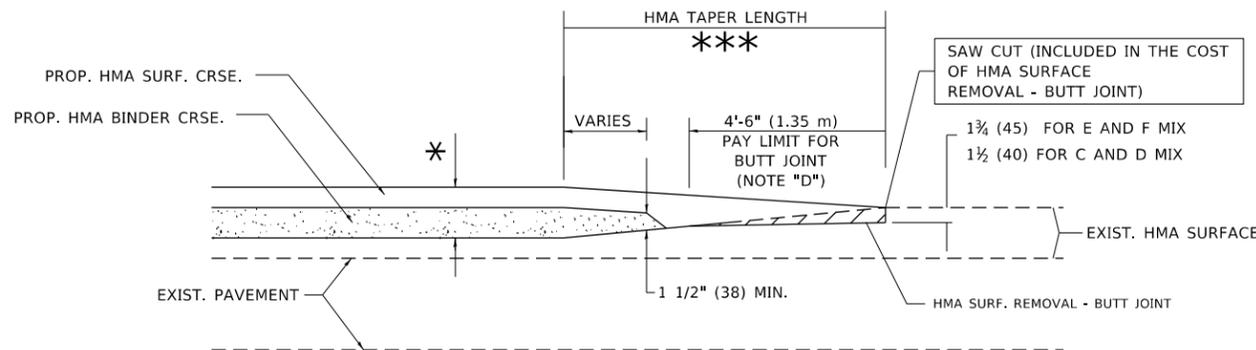
NOTES

- A. MAINLINE ROADWAYS AND MAJOR SIDE ROADS.
- B. MINOR SIDE ROADS.
- C. THE TEMP. RAMP SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING HMA SURFACE.
- D. THE BUTT JOINT SHALL BE CONSTRUCTED IMMEDIATELY PRIOR TO PLACING THE PROPOSED HMA COURSES.
- E. TAPER THE TEMP. RAMP AT A RATE OF 3'-0" (900 mm) PER 1 INCH (25 mm) OF MILLING THICKNESS.
- F. INSTALLATION AND REMOVAL OF THE 4'-6" (1.35 m) TEMP. RAMP IS INCLUDED IN COST OF HMA SURFACE REMOVAL - BUTT JOINT.
* SEE TYPICAL SECTIONS FOR MILLING THICKNESS.
- G. SEE ARTICLE 406.08 AND 406.14 OF THE STANDARD SPECIFICATIONS FOR "HMA AND/OR PCC SURFACE REMOVAL, BUTT JOINT".
*** 20'-0" (6.1 m) PER 1 (25) RESURFACING (NOTE "A")
10'-0" (3.0 m) PER 1 (25) RESURFACING (NOTE "B")

BASIS OF PAYMENT

THE BUTT JOINT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD (SQUARE METER) FOR "HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT" OR FOR "PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT".

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.



BUTT JOINT AND HMA TAPER

TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING

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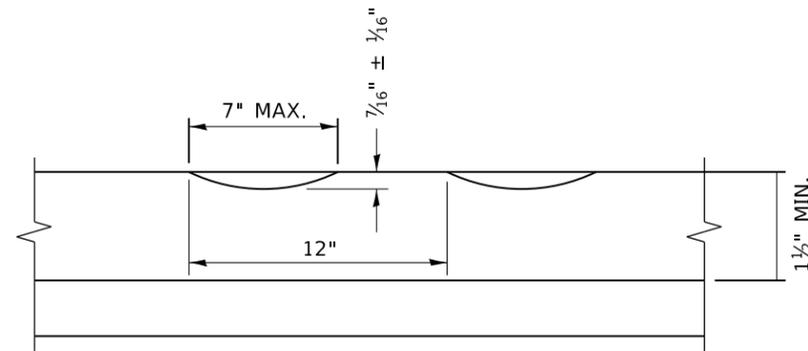
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

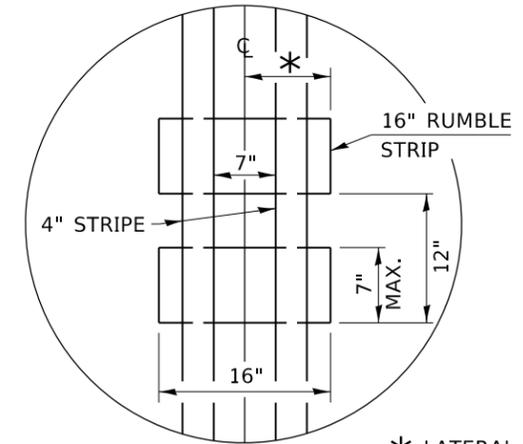
BUTT JOINT AND
HMA TAPER DETAILS

SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
333	2017-054RS	MCHENRY	65	54
BD400-05 BD32		CONTRACT NO. 62F91		
ILLINOIS FED. AID PROJECT				



SECTION A-A



* LATERAL DEVIATION SHALL NOT EXCEED ONE INCH IN 100 FEET.

DETAIL B

GENERAL NOTES

CENTERLINE RUMBLE STRIPS SHALL BE CONSTRUCTED ACCORDING TO SECTION 642 ALONG THE CENTERLINE OF PAVEMENT.

SEE STANDARD 780001 FOR OTHER STRIPING LAYOUTS. RUMBLE STRIPS SHALL NOT BE PLACED ON BRIDGES.

ALL RUMBLE STRIPS SHALL BE MILLED.

CENTERLINE RUMBLE STRIPS SHALL BE CONTINUOUS THROUGH CONNECTIONS OF SIDEROADS WITH NO LEFT TURN LANES.

DISCONTINUE CENTERLINE RUMBLE STRIPS THROUGH THE LIMITS OF ALL LEFT TURN LANES, INCLUDING ANY LANE TAPER SECTIONS.

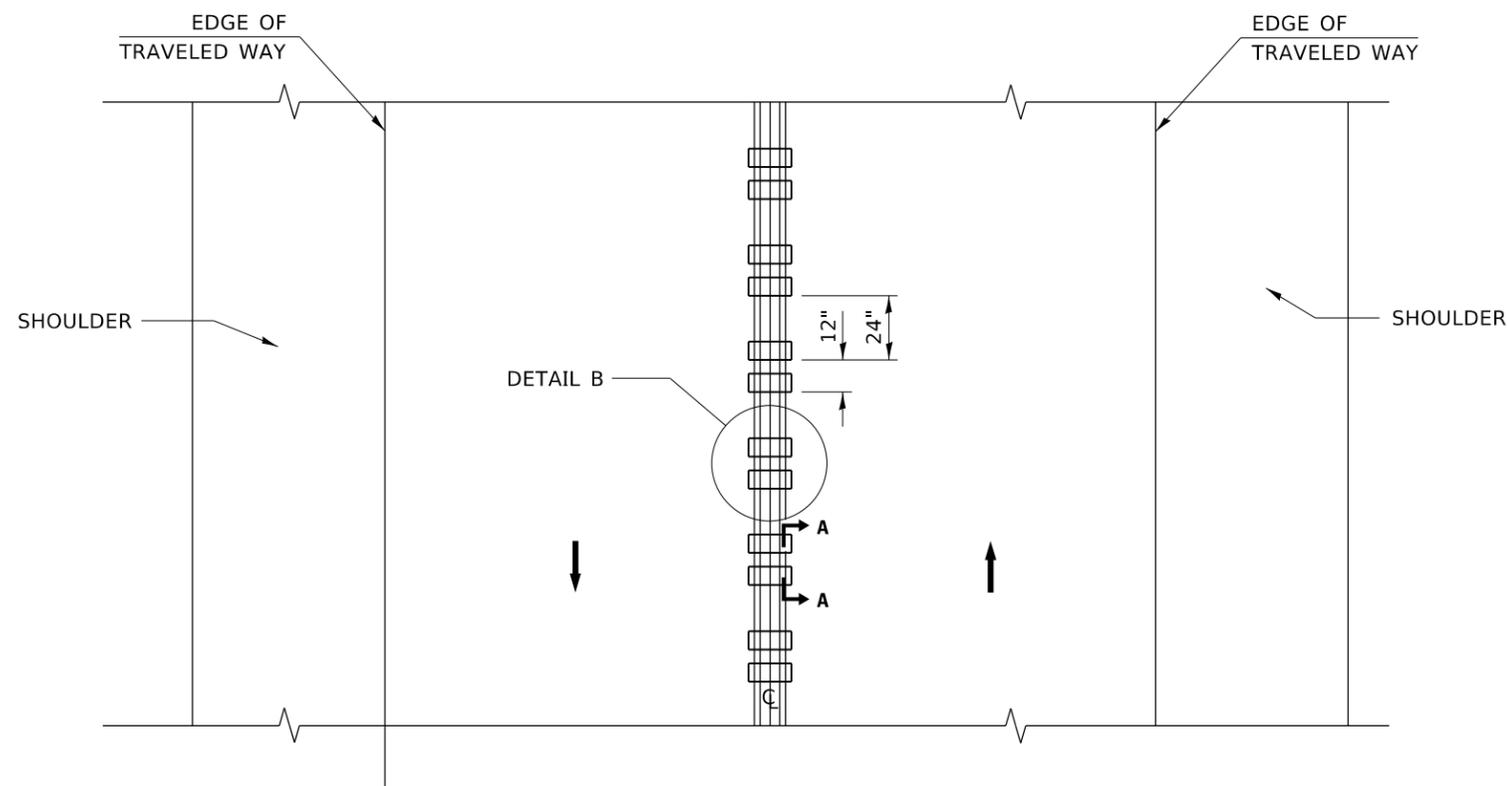
AFTER RUMBLE STRIPS ARE INSTALLED, THE PAVEMENT SURFACE SHALL BE SWEEPED CLEAN PRIOR TO THE PLACEMENT OF THE NEW PAVEMENT MARKINGS.

WHERE USED, ADJUST SPACING OF RAISED REFLECTIVE PAVEMENT MARKERS TO FALL IN WIDER GAP BETWEEN RUMBLE STRIPS.

BASIS OF PAYMENT

THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER FOOT FOR CENTERLINE-RUMBLE STRIP OF THE WIDTH SPECIFIED.

HOT-SPRAY THERMOPLASTIC PAVEMENT MARKING WILL BE USED OVER THE RUMBLE STRIPS, AND WILL BE PAID FOR SEPARATELY.



TWO-WAY ROAD

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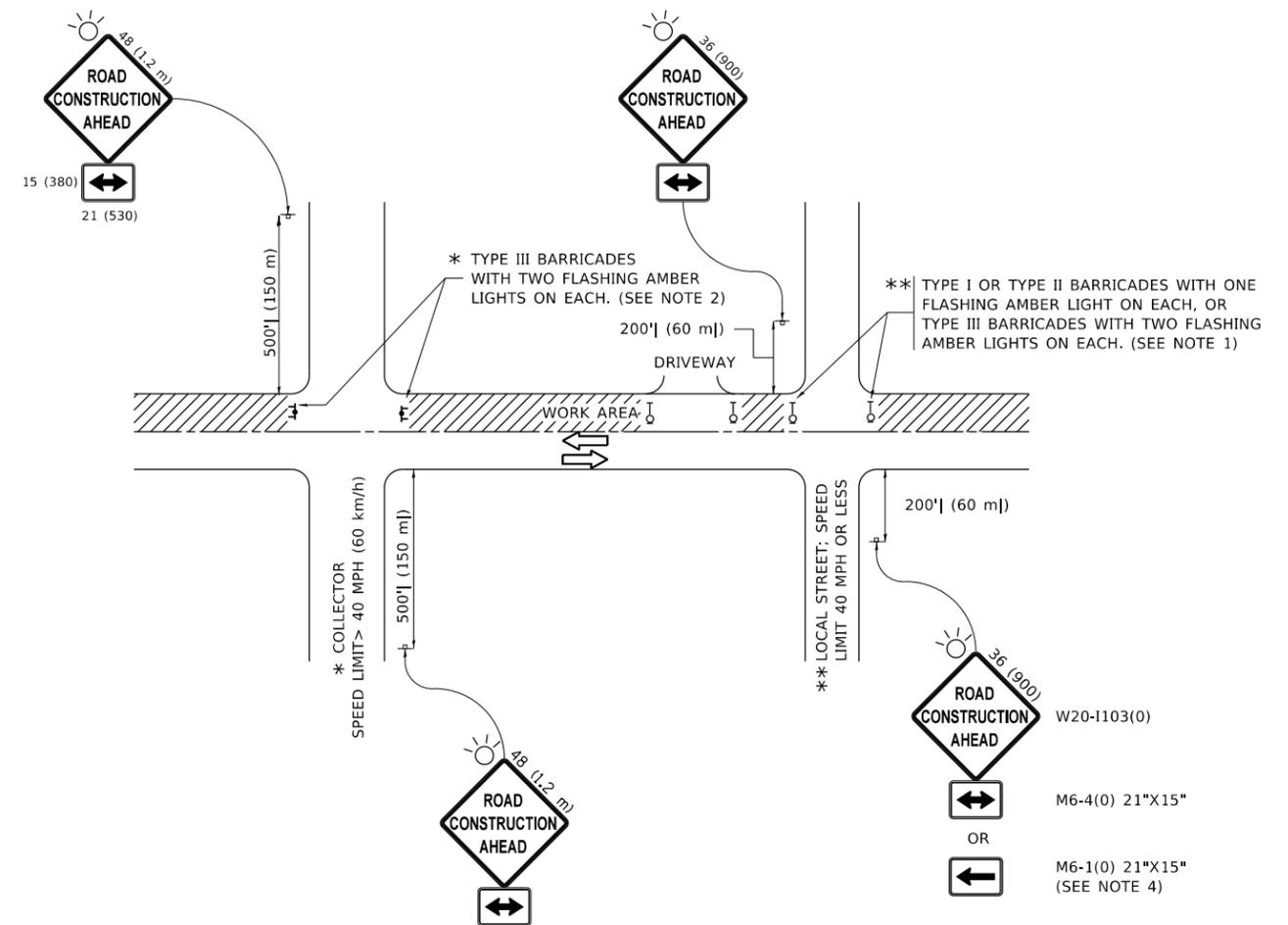
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PLOT DATE = 12/13/2019	DATE - 08-06-2012	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

RUMBLE STRIPS FOR CENTERLINE, NON-FREEWAY

SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
333	2017-054RS	MCHENRY	65	55
BD 55			CONTRACT NO. 62F91	
ILLINOIS FED. AID PROJECT				



NOTES:

1. SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - a) ONE "ROAD CONSTRUCTION AHEAD" SIGN 36 x 36 (900x900) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
 - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - a) ONE "ROAD CONSTRUCTION AHEAD" SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
 - b) BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
3. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.
4. SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).
5. WHEN WORK IS BEING PERFORMED ON A SIDE ROAD OR DRIVEWAY, FOLLOW THE APPLICABLE STANDARD(S). THE DIRECTIONAL ARROW (M6-1 OR M6-4) SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE TRAFFIC CONTROL SET-UP.
6. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAYS UNLESS OTHERWISE SPECIFIED IN THE PLANS OR BY THE ENGINEER.
7. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

All dimensions are in inches (millimeters) unless otherwise shown.

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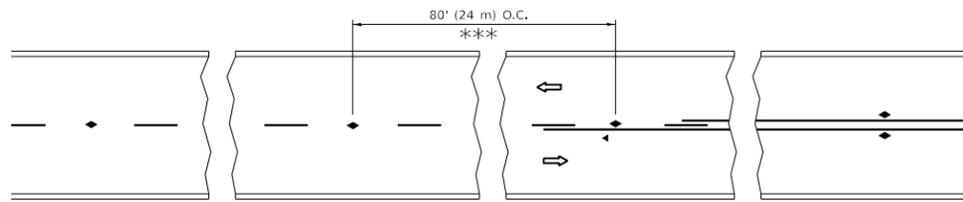
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PLOT DATE = 12/13/2019	DATE - 06-89	REVISED - A. SCHUETZE 07-01-13
		REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC CONTROL AND PROTECTION FOR
SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS**

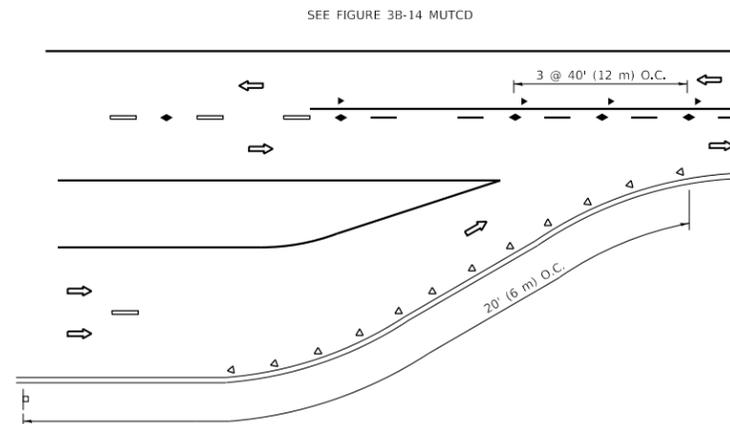
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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TC-10			CONTRACT NO. 62F91	
ILLINOIS FED. AID PROJECT				

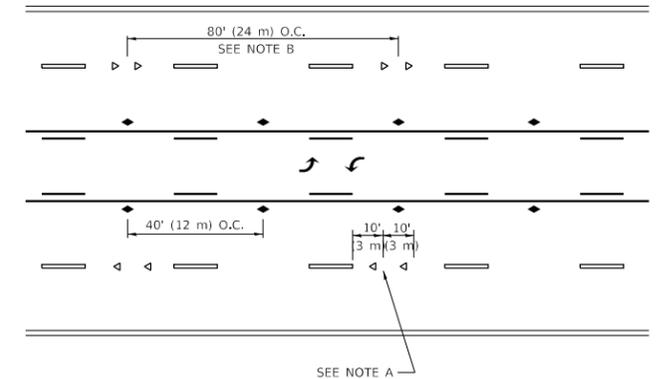


*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

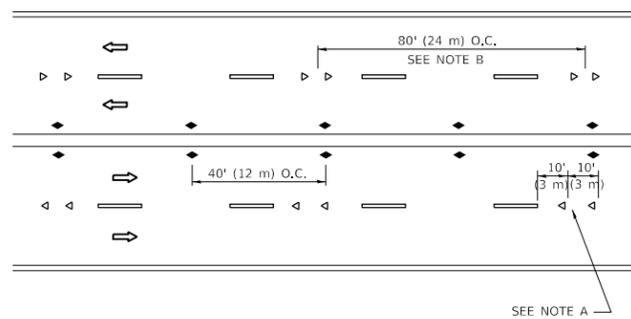
TWO-LANE/TWO-WAY



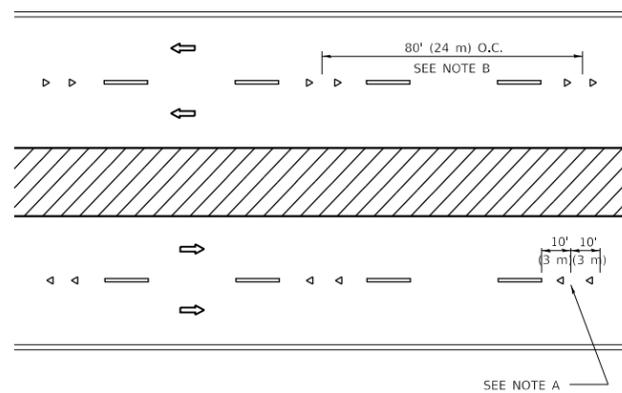
LANE REDUCTION TRANSITION



TWO-WAY LEFT TURN



MULTI-LANE/UNDIVIDED



MULTI-LANE/DIVIDED

GENERAL NOTES

1. MARKERS USED WITH DASHED LINES SHALL BE CENTERED IN THE GAP BETWEEN SEGMENTS.
2. MARKERS USED ADJACENT TO SOLID LINES SHALL BE OFFSET 2 TO 3 (50 TO 75) TOWARD TRAFFIC AS SHOWN.
3. MARKERS THROUGH TANGENTS LESS THAN 500' (150 m) IN LENGTH BETWEEN CURVES SHALL BE INSTALLED AT THE LESSER OF THE TWO CURVE SPACINGS.
4. MARKERS ARE TO BE USED ADJACENT TO BOTH SOLID WHITE LINES IN DUAL LEFT TURN LANES

SYMBOLS

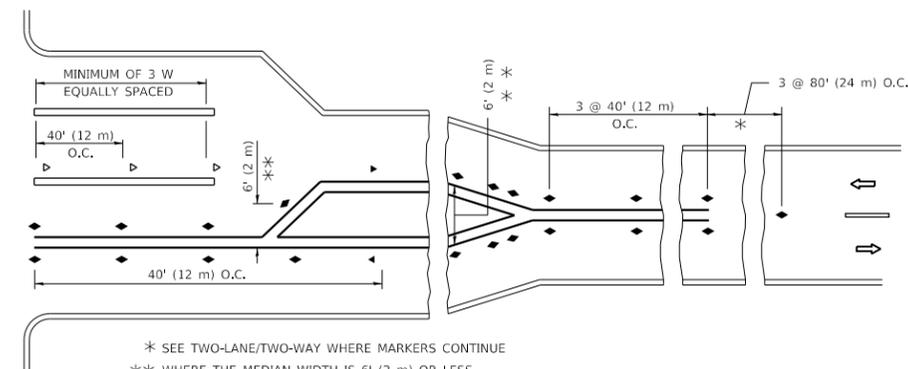
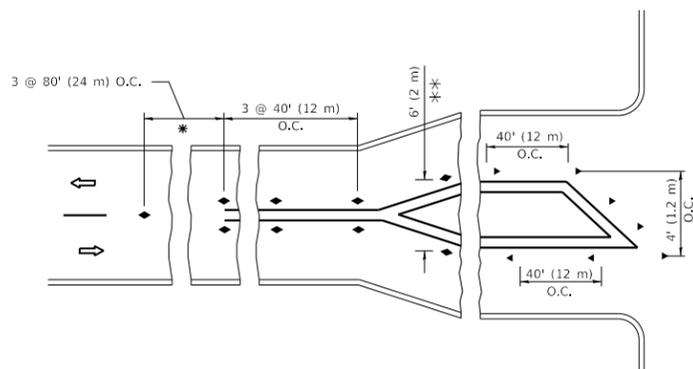
- YELLOW STRIPE
- ▬ WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◀ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

LANE MARKER NOTES

- A. USE DOUBLE LANE LINE MARKERS SPACED AS SHOWN.
- B. REDUCE TO 40' (12 m) O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 10 M.P.H. (20 km/h) LOWER THAN POSTED SPEEDS.

DESIGN NOTES

1. DOUBLE LANE LINE MARKERS SHALL BE USED UNLESS SPECIFIED OTHERWISE.
2. EXCEPT AS SHOWN ON THE LANE REDUCTION TRANSITION AND FREEWAY EXIT RAMP DETAIL, MARKERS ARE NOT TO BE SPECIFIED ON RIGHT EDGE LINES.
3. THE EXACT MARKER LIMITS, SPACING, AND COLOR SHALL BE INCLUDED IN THE PLANS WHEN STANDARD SPECIFICATIONS ARE NOT BEING USED.
4. MARKERS SHOULD NOT BE USED ALONGSIDE CURBS EXCEPT FOR EXTREMELY SHORT SECTIONS OF CURBS WHERE NOT MORE THAN TWO MARKERS WOULD BE INVOLVED.



* SEE TWO-LANE/TWO-WAY WHERE MARKERS CONTINUE
 ** WHERE THE MEDIAN WIDTH IS 6' (2 m) OR LESS USE TWO-WAY MARKERS.

TURN LANES

All dimensions are in inches (millimeters) unless otherwise shown.

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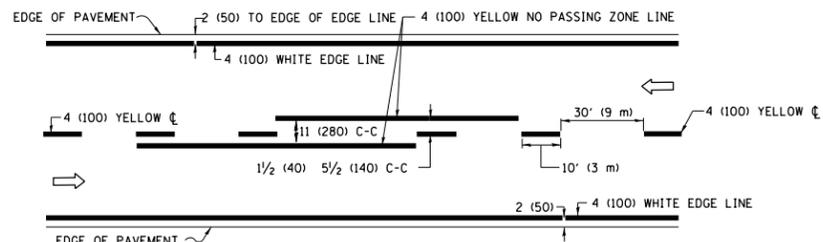
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PLOT DATE = 12/13/2019	DATE -	REVISED - C. JUCIUS 07-01-13

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

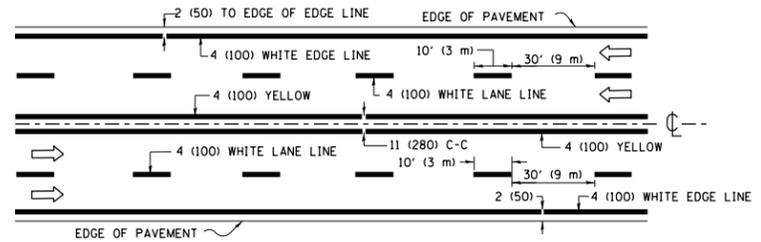
**TYPICAL APPLICATIONS
 RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)**

SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

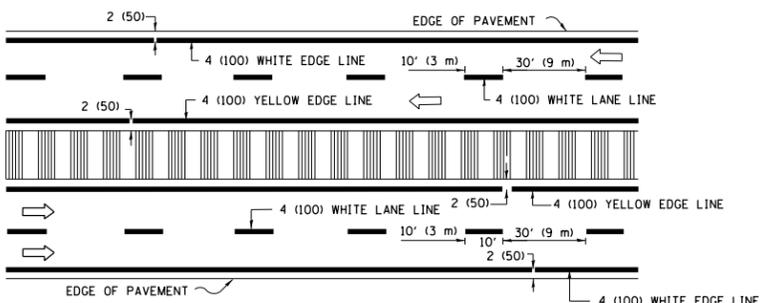
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
333	2017-054RS	MCHENRY	65	57
TC-11		CONTRACT NO. 62F91		
ILLINOIS FED. AID PROJECT				



2-LANE ROADWAY

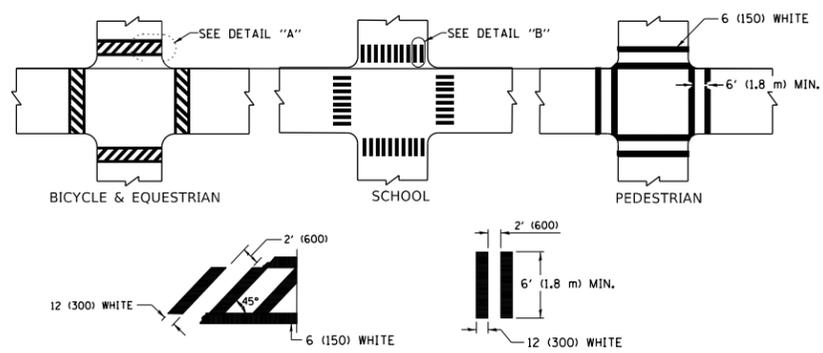


MULTI-LANE UNDIVIDED



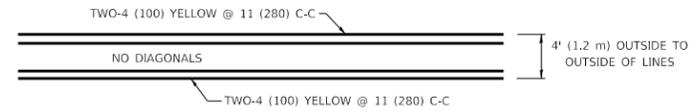
MULTI-LANE DIVIDED WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING

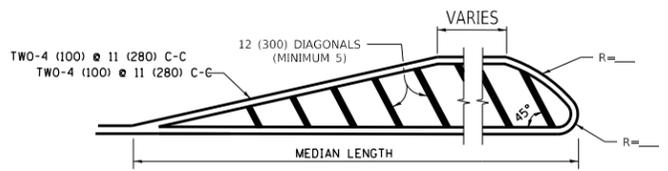


TYPICAL CROSSWALK MARKING

* MARKINGS SHALL BE INSTALLED PARALLEL TO THE CENTERLINE OF THE ROAD WHICH IT CROSSES



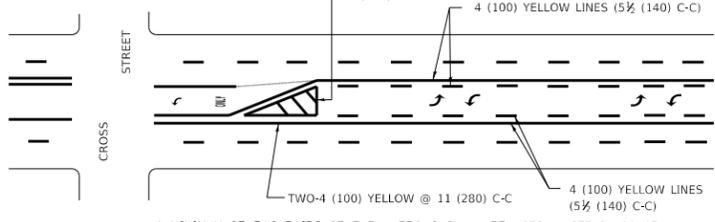
4' (1.2 m) WIDE MEDIANS ONLY



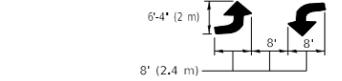
MEDIANS OVER 4' (1.2 m) WIDE

FOR MEDIAN LENGTHS WHERE DIAGONAL SPACING CANNOT BE ATTAINED, USE 5 (FIVE) EQUALLY SPACED DIAGONAL LINES.

DIAGONAL LINE SPACING: 50' (15 m) C-C (LESS THAN 30MPH (50 km/h))
75' (25 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h)
150' (45 m) C-C (MORE THAN 45MPH (70 km/h))

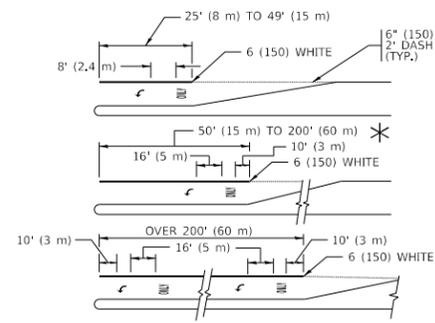


TYPICAL PAINTED MEDIAN MARKING



MEDIAN WITH TWO-WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING



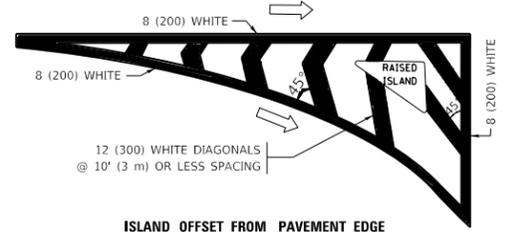
FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.

* AREA = 15.6 SQ. FT. (1.5 m²) ONLY AREA = 20.8 SQ. FT. (1.9 m²)

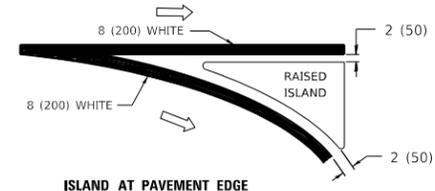
* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE

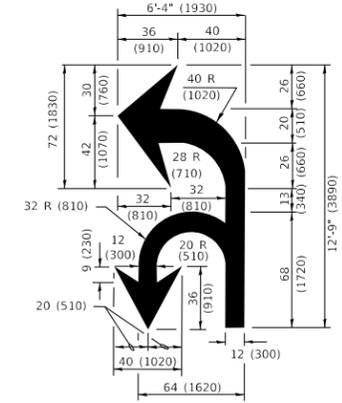
TYPICAL TURN LANE MARKING



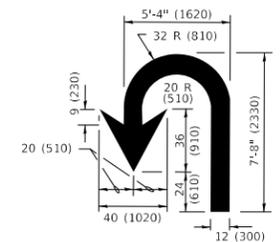
ISLAND OFFSET FROM PAVEMENT EDGE



TYPICAL ISLAND MARKING



COMBINATION LEFT AND U-TURN



U-TURN

LANE REDUCTION TRANSITION

* LANE REDUCTION ARROWS REQUIRED AT SPEEDS OF 45 MPH OR GREATER OR WHEN SPECIFIED IN PLANS.

D(FT)	SPEED LIMIT
345	30
425	35
500	40
580	45
665	50
750	55

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5 1/2 (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MEDIANS IN YELLOW
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5 1/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT, PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW: TWO WAY TRAFFIC WHITE: ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES *RR* IS 6' (1.8 m) LETTERS: 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: *R*=3.6 SQ. FT. (0.33 m ²) EACH *X*=54.0 SQ. FT. (5.0 m ²)
SHOULDER DIAGONALS (REQUIRED FOR SHOULDERS > 8')	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))
U TURN ARROW	SEE DETAIL	SOLID	WHITE	16.3 SF
2 ARROW COMBINATION LEFT AND U TURN	SEE DETAIL	SOLID	WHITE	30.4 SF

FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND STATE STANDARD 780001.

All dimensions are in inches (millimeters) unless otherwise shown.

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PLOT DATE = 12/13/2019	DATE - 03-19-90	REVISED - C. JUCIUS 04-12-16

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE
TYPICAL PAVEMENT MARKINGS**

SCALE: NONE SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
333	2017-054RS	MCHENRY	65	58
TC-13		CONTRACT NO. 62F91		
		ILLINOIS	FED. AID PROJECT	

TURN BAY ENTRANCE AT START OF LANE CLOSURE TAPER

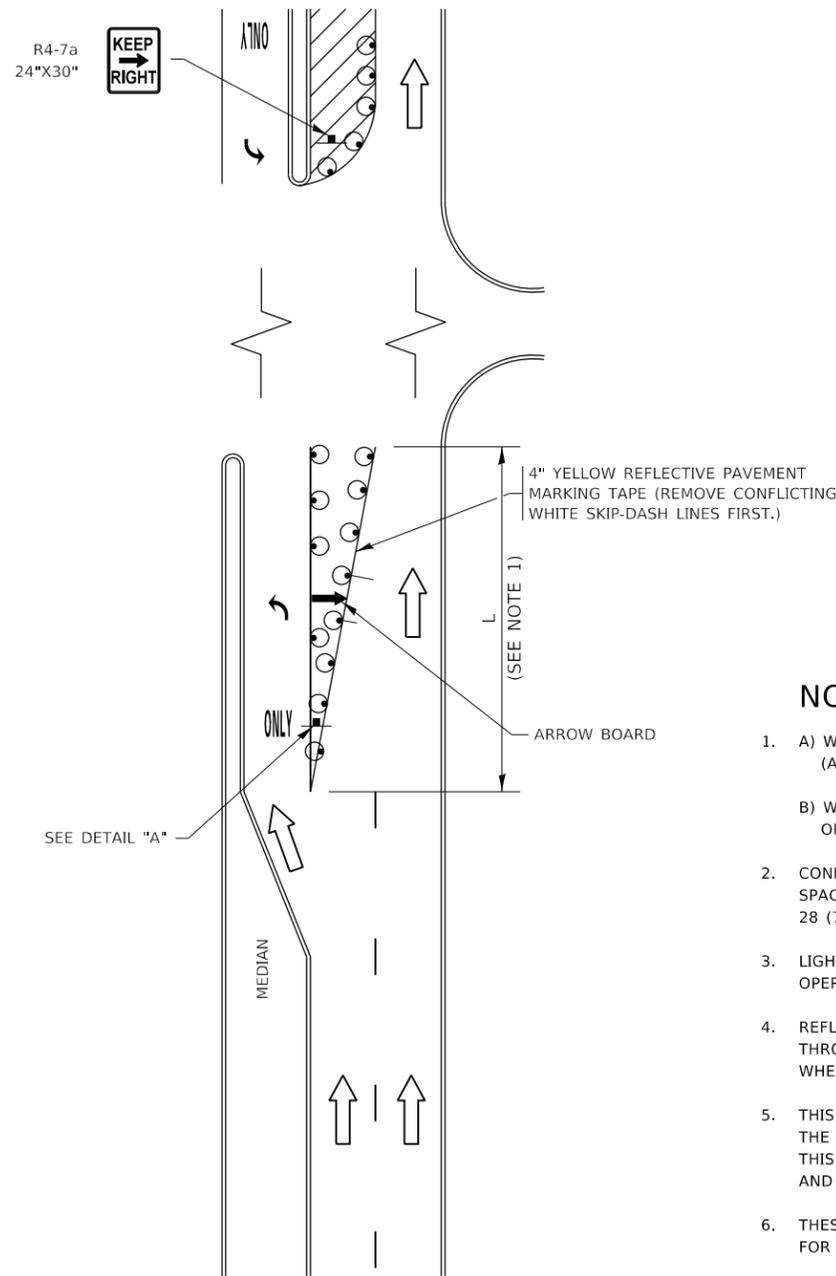


FIGURE 1

TURN BAY ENTRANCE WITHIN A LANE CLOSURE

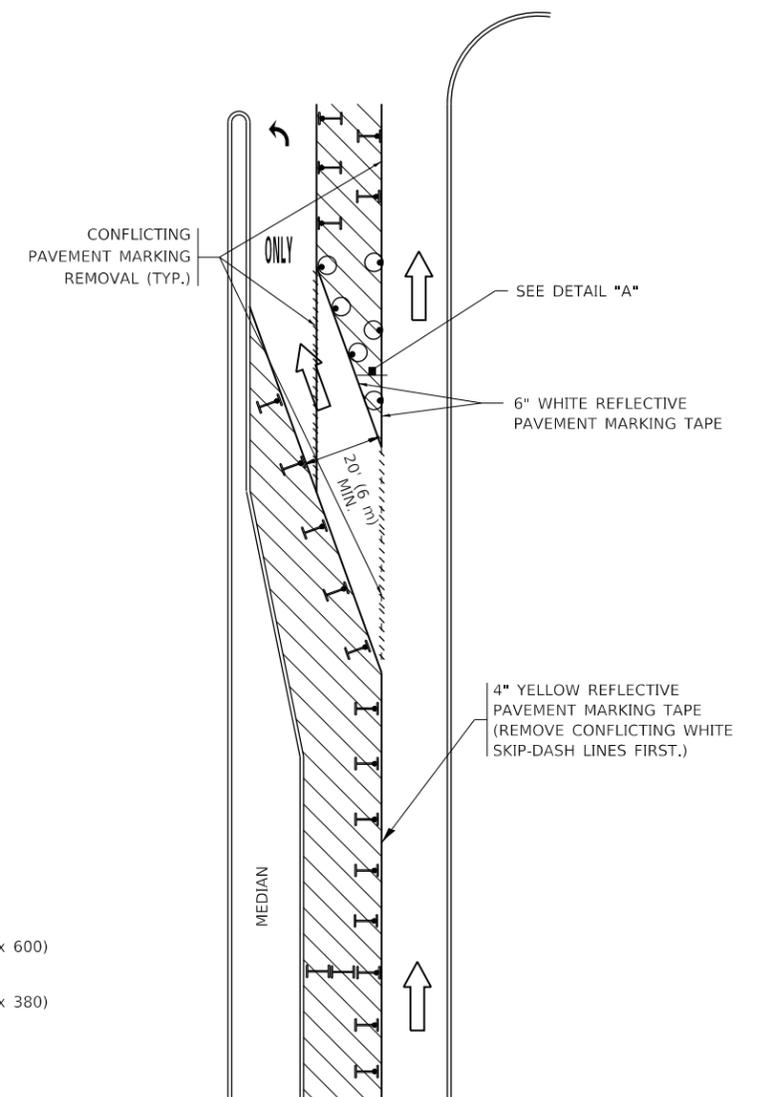
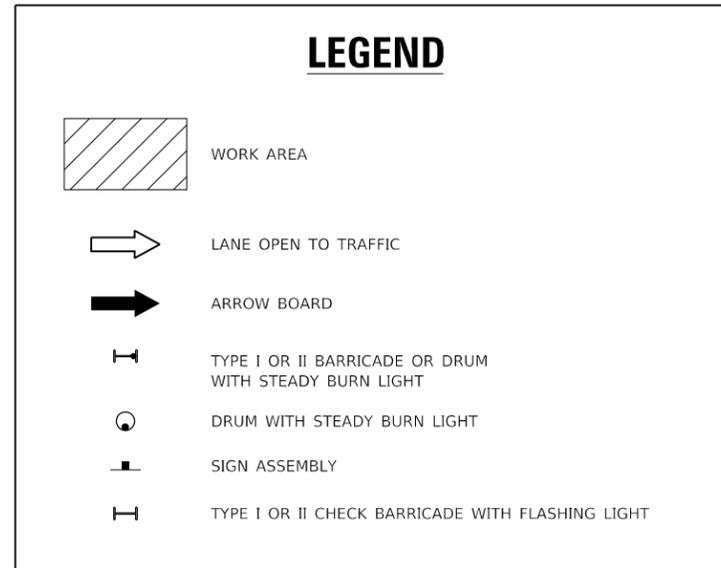
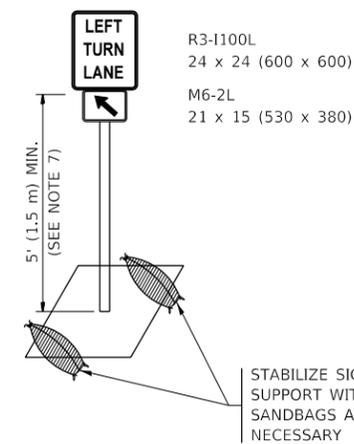


FIGURE 2



NOTES:

1. A) WHEN "L" IS \leq THE STORAGE LENGTH OF THE TURN LANE (AS SHOWN IN FIG. 1), USE FIGURE 1.
B) WHEN "L" IS $>$ THE STORAGE LENGTH OF THE TURN LANE OR THE TURN LANE IS WITHIN THE LANE CLOSURE, USE FIGURE 2.
2. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.
3. LIGHTS WILL NOT BE REQUIRED ON BARRICADES OR DRUMS FOR DAY OPERATIONS. ALL LIGHTS SHALL BE MONODIRECTIONAL.
4. REFLECTIVE TEMPORARY PAVEMENT MARKINGS SHALL BE PLACED THROUGHOUT THE BARRICADED AREAS OF EACH TURN BAY AS SHOWN WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN (14) DAYS.
5. THIS APPLICATION ALSO APPLIES WHEN WORK IS BEING PERFORMED IN THE RIGHT LANE(S) AND THE RIGHT TURN BAY IS TO REMAIN OPEN. UNDER THIS CONDITION, "RIGHT TURN LANE" R3-1100R 24 x 24 (600 x 600) AND M6-2R 21 x 15 (530 x 380) SHALL BE USED.
6. THESE CONTROLS SHALL SUPPLEMENT MAINLINE TRAFFIC CONTROL FOR LANE CLOSURES.
7. THE SIGNS SHALL BE MOUNTED ABOVE THE BARRICADES/DRUMS ON SEPARATE SIGN SUPPORTS THAT MEET NCHRP 350 OR MASH REQUIREMENTS.
8. TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.



DETAIL A

All dimensions are in inches (millimeters) unless otherwise shown.

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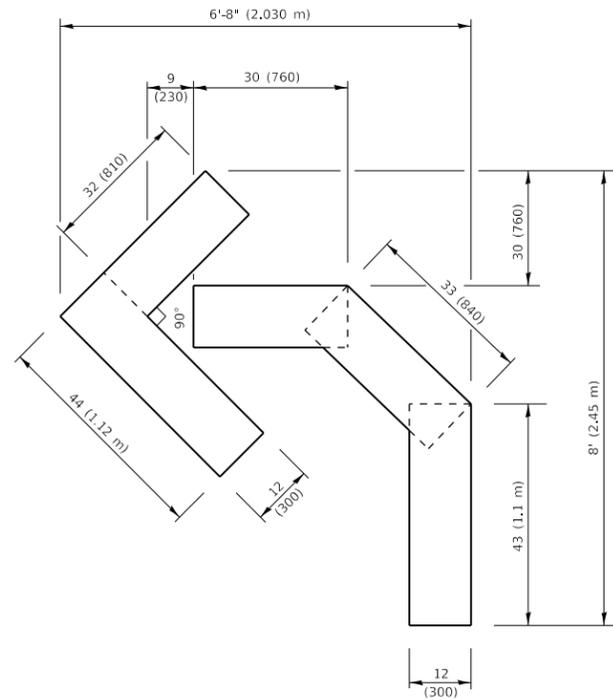
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	DRAWN - A. HOUSEH 11-07-95	REVISED - A. SCHUETZE 07-01-13
PLOT SCALE = 100,0000' / in.	CHECKED - A. HOUSEH 10-12-96	REVISED - A. SCHUETZE 09-15-16
PLOT DATE = 12/13/2019	DATE - T. RAMMACHER 01-06-00	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL AND PROTECTION AT TURN BAYS
(TO REMAIN OPEN TO TRAFFIC)

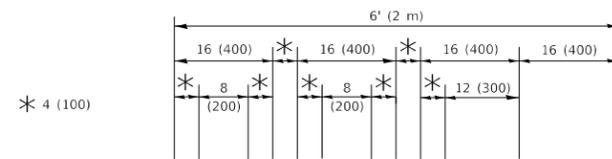
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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TC-14		CONTRACT NO. 62F91		
ILLINOIS FED. AID PROJECT				



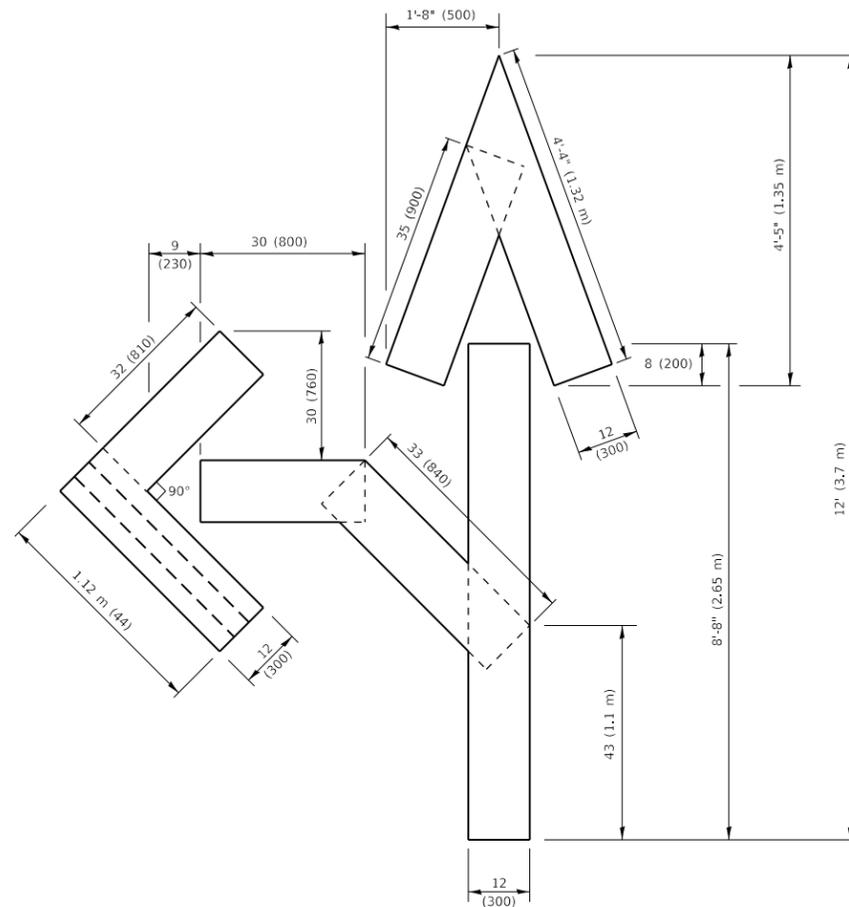
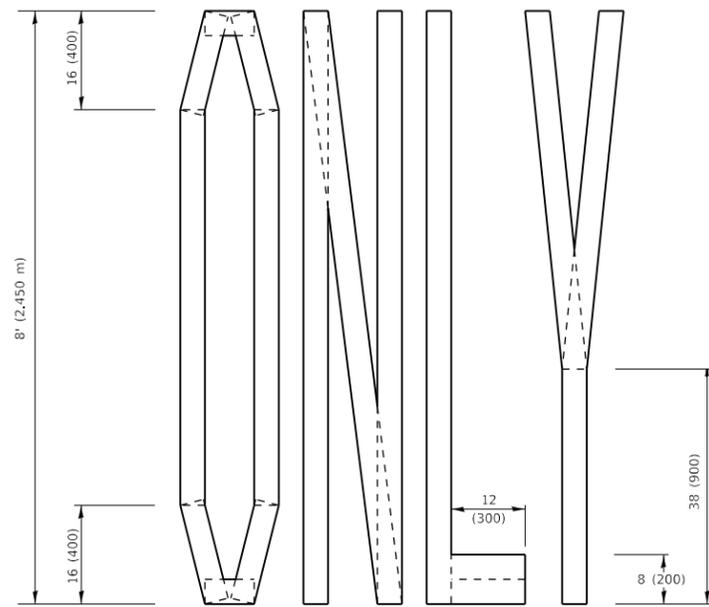
QUANTITY

4 (100) LINE = 45.5 ft. (13.9 m)
15.2 sq. ft. (1.41 sq. m)



QUANTITY

4 (100) LINE = 64.1 ft. (19.5 m)
21.4 sq. ft. (1.99 sq. m)

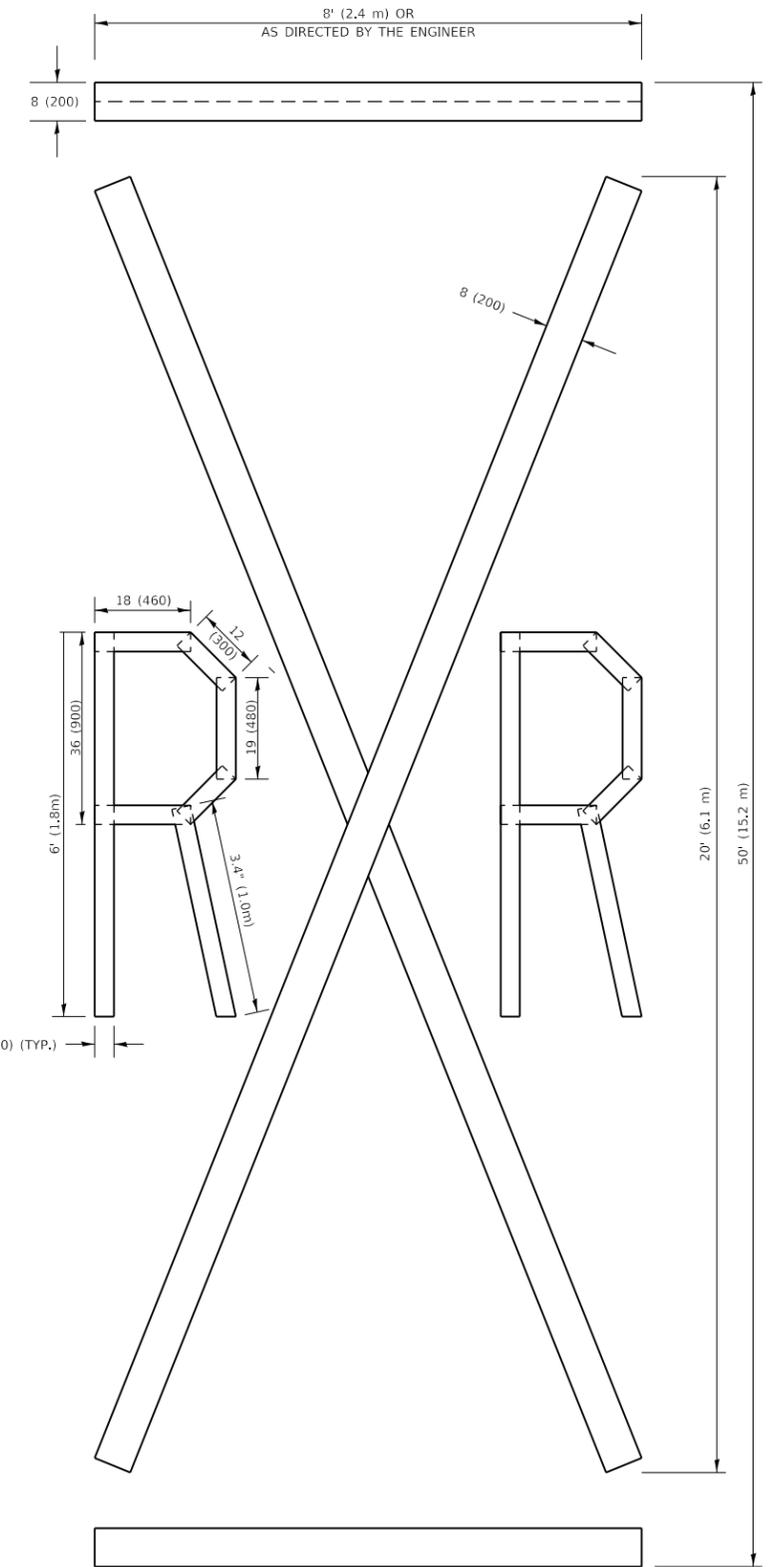


QUANTITY

4 (100) LINE = 82.5 ft. (25.1 m)
27.5 sq. ft. (2.53 sq. m)

NOTE:

ALL QUANTITIES OF PLACEMENT ARE REPRESENTED IN LINEAR FEET OF 4" LINES TO MATCH THE 4" TEMPORARY TAPE PAY ITEM AND REPRESENTS THE TOTAL QUANTITY OF 4" TAPE REQUIRED.



QUANTITY

4 (100) LINE = 225.9 ft. (68.9 m)
75.3 sq. ft. (6.99 sq. m)

All dimensions are in inches (millimeters) unless otherwise shown.

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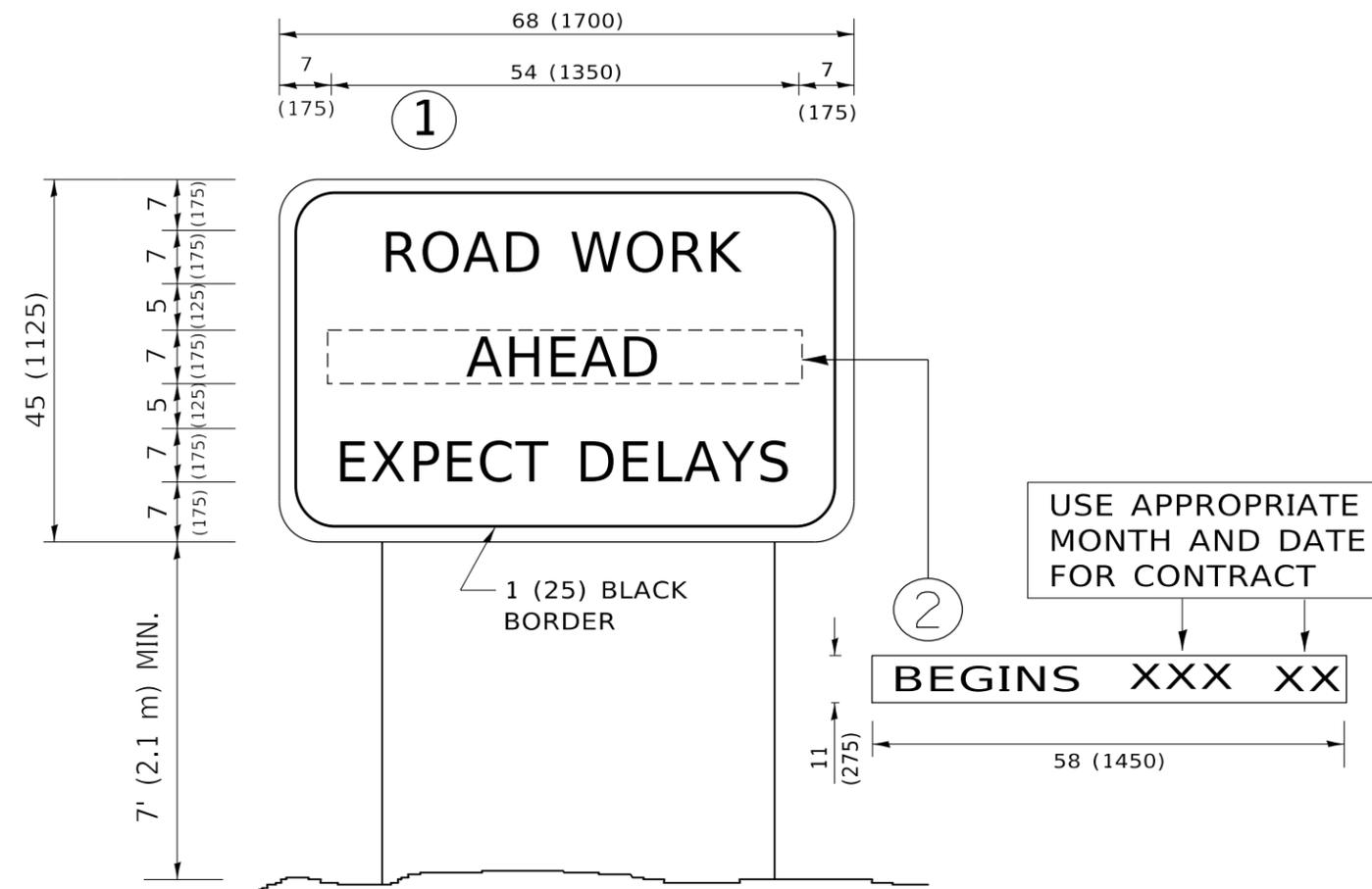
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PLOT DATE = 12/13/2019	DATE - 09-18-94	REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS

SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE. 333	SECTION 2017-054RS	COUNTY MCHENRY	TOTAL SHEETS 65	SHEET NO. 60
TC-16		CONTRACT NO. 62F91		
ILLINOIS FED. AID PROJECT				



NOTES:

1. USE BLACK LETTERING ON ORANGE BACKGROUND.
2. ERECT SIGNS IN ADVANCE OF THE LOCATION FOR THE "ROAD CONSTRUCTION AHEAD" SIGN AT LOCATIONS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN ① WITH INSTALLED PANEL ② ONE WEEK PRIOR TO THE START OF CONSTRUCTION.
4. REMOVE PANEL ② SOON AFTER THE START OF CONSTRUCTION.
5. SEE SPECIAL PROVISION FOR "TEMPORARY INFORMATION SIGNING" FOR ADDITIONAL INFORMATION.
6. ONE SIGN ASSEMBLY EQUALS 25.70 SQ. FT. (2.3 SQ. M.)
7. SHALL BE PAID FOR AS TEMPORARY INFORMATION SIGNING.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

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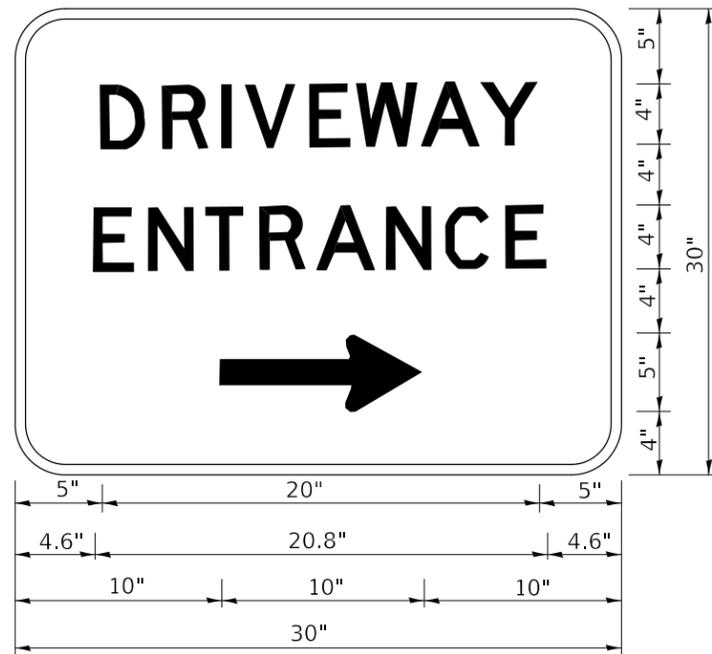
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PLOT DATE = 12/13/2019	DATE -	REVISED - C. JUCIUS 01-31-07

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ARTERIAL ROAD
INFORMATION SIGN**

SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
333	2017-054RS	MCHENRY	65	61
TC-22		CONTRACT NO. 62F91		
ILLINOIS FED. AID PROJECT				



3.0" RADIUS, 0.5" BORDER, WHITE ON GREEN; REFLECTORIZED
 "DRIVEWAY" D; "ENTRANCE" D; STANDARD ARROW CUSTOM 12.0" x 5.0"

NOTES:

1. HALF OF THE SIGNS WILL REQUIRE A LEFT HAND FACING ARROW.
2. TWO SIGNS SHALL BE USED AT EACH COMMERCIAL ENTRANCE PLACED BACK-TO-BACK: ONE WITH A RIGHT HAND ARROW (SHOWN) SHALL BE PLACED ON THE NEAR RIGHT SIDE THE DRIVEWAY AND ONE WITH A LEFT HAND ARROW SHALL BE PLACED ON THE FAR LEFT SIDE OF THE DRIVEWAY.
3. SIGNS TO BE PAID FOR AS ITEM "TEMPORARY INFORMATION SIGNING".

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 DRAWING: 62F91
 DATE: 12/13/2019

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	DRAWN -	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 12/13/2019	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

DRIVEWAY ENTRANCE SIGNING

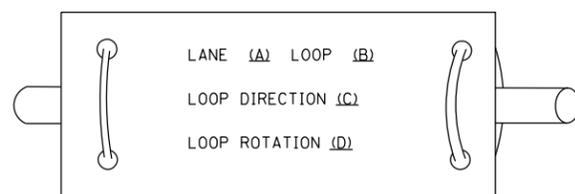
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
333	2017-054RS	MCHENRY	65	62
TC-26			CONTRACT NO. 62F91	
ILLINOIS FED. AID PROJECT				

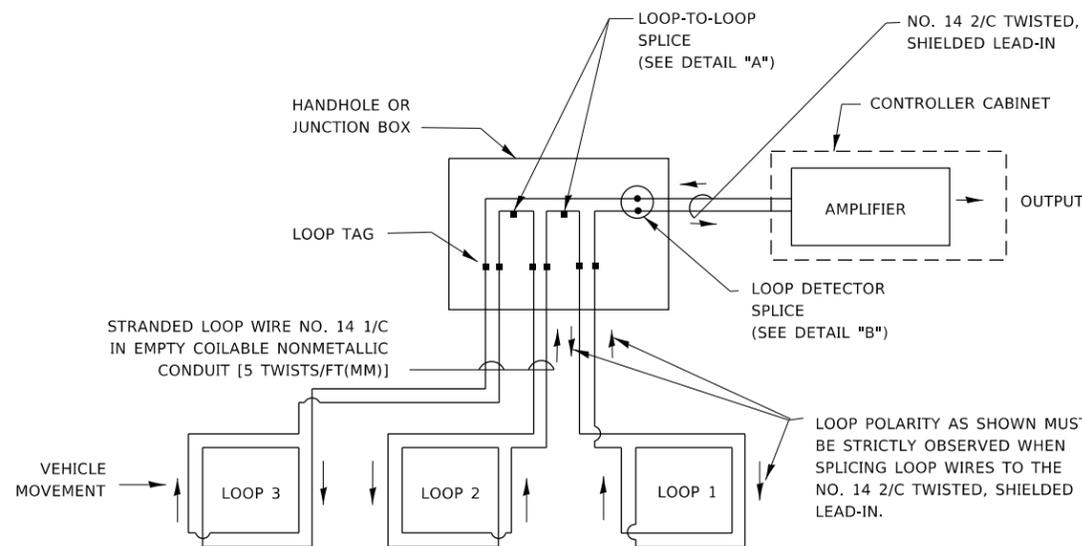
LOOP DETECTOR NOTES

1. EACH PAIR OF LOOP WIRES SHALL BE PLACED IN A SEPARATE EMPTY COILABLE NONMETALLIC CONDUIT FROM THE EDGE OF PAVEMENT TO THE HANDHOLE. SPACING BETWEEN THE HOLES DRILLED IN THE PAVEMENT SHALL NOT BE LESS THAN 6" (150 mm). EMPTY COILABLE NONMETALLIC CONDUIT SHALL BE INCLUDED IN THE COST OF THE LOOP WIRE.
2. THE NUMBER OF LOOP TURNS SHALL BE AS RECOMMENDED BY THE AMPLIFIER MANUFACTURER. ALL ADJACENT SIDES OF THE LOOPS SHALL BE INSTALLED IN SUCH A WAY THAT THE CURRENT FLOW IS IN THE SAME DIRECTION TO REINFORCE ITS MAGNETIC FIELDS FOR SMALL VEHICLE DETECTION.
3. EACH LOOP LEAD-IN SHALL BE IDENTIFIED AND PERMANENTLY TAGGED IN THE HANDHOLE. EACH LEAD-IN CABLE TAG SHALL INDICATE THE LOCATION OF THE LOOP, LOOP ROTATION (CLOCKWISE/COUNTERCLOCKWISE), LOOP LEAD-IN DIRECTION (IN OR OUT), LOOP CABLE NUMBER AND LOCATION IN CABINET, AND NUMBER OF TURNS IN THE DETECTOR LOOPS IN WATER PROOF INK AS INDICATED ON THE DISTRICT 1 STANDARD TRAFFIC SIGNAL DESIGN DETAIL. THE CONTRACTOR SHALL MARK LOOP LOCATIONS ON RECORD DRAWINGS AND PRESENT TO THE ENGINEER AFTER FINAL INSPECTION. LOOPS SHALL BE MARKED BY LANE AND LOOP NUMBER. SEE DETAIL BELOW.
4. ALL LOOP CABLE SHALL BE FASTENED WITH PLASTIC TIE WRAP TO THE HANDHOLE HOOKS.
5. IN ASPHALT PAVEMENT, LOOPS SHOULD BE PLACED IN THE BINDER AND DIVEHOLES MARKED AT THE CURB WITH A SAW-CUT. THE SAW-CUT SHALL BE CUT IN ACCORDANCE WITH LOCAL AND E.P.A. DUST CONTROL REQUIREMENTS. DETECTOR LOOP(S) SHALL NOT BE INSTALLED IN WET CONDITIONS AND THE SAW-CUTS MUST BE FREE OF DEBRIS AND RESIDUE SUCH AS DUST AND WATER WHICH IS TO BE ACHIEVED BY THE USE OF COMPRESSED AIR, WIRE BRUSHING AND HEAT DRYING ACCORDING TO SEALANT MANUFACTURER REQUIREMENTS. THE DETECTOR WIRE SHALL BE HELD IN PLACE BY THE USE OF FORM WEDGES. WEDGES SHALL BE SPACED NO MORE THAN 18" (450 mm) APART.
6. LOOP SPLICES SHALL BE SOLDERED USING A SOLDERING IRON. BLOW TORCHES OR OTHER DEVICES WHICH OXIDIZE COPPER CABLE SHALL NOT BE ALLOWED FOR SOLDERING OPERATIONS. SEE DETAIL BELOW RIGHT.
7. PREFORMED DETECTOR LOOPS SHALL BE USED, AS SHOWN ON THE PLANS, WHERE NEW CONCRETE PAVEMENT IS PROPOSED. THE INSTALLATION OF PREFORMED LOOPS SHALL BE IN ACCORDANCE WITH THE DISTRICT 1 SPECIFICATIONS OR AS DIRECTED BY THE ENGINEER.

LOOP LEAD-IN CABLE TAG

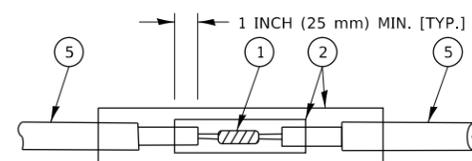


- A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY
- B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.
- C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
- D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

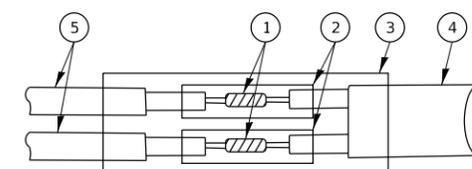


DETECTOR LOOP WIRING SCHEMATIC

- LOOPS SHALL BE SPLICED IN SERIES. SAW-CUTS SHALL BE A MINIMUM WIDTH OF 5/16" (8 mm).
- SAW-CUT DEPTHS SHALL BE 3" (75 mm). IF IN CONCRETE,
- THE SAW-CUT DEPTH SHALL BE TO THE TOP OF THE REINFORCEMENT.
- LOOP CORNERS SHALL BE DRILLED WITH A 2" (50 mm) DIAMETER CORE.

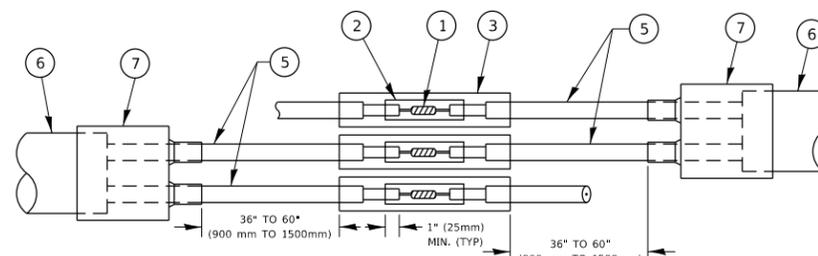


DETAIL "A"
LOOP-TO-LOOP SPLICE

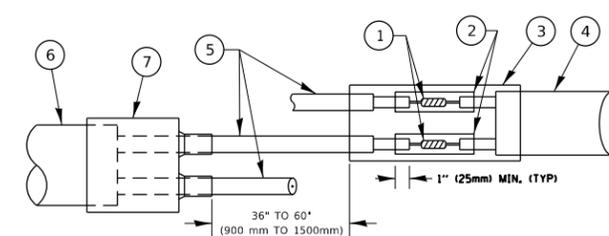


DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

TYPE I LOOP



DETAIL "A"
LOOP-TO-LOOP SPLICE



DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

PREFORMED LOOP

LOOP DETECTOR SPLICE

- ① WESTERN UNION SPLICE SOLDERED WITH ROSIN CORE FLUX. ALL EXPOSED SURFACES OF THE SOLDER SHALL BE SMOOTH. THE WESTERN UNION SPLICES SHALL BE STAGGERED.
- ② WCSMW 30/100 HEAT SHRINK TUBE, MINIMUM LENGTH 3" (75 mm), UNDERWATER GRADE.
- ③ WCS 200/750 HEAT SHRINK TUBE, MINIMUM LENGTH 6" (150 mm), UNDERWATER GRADE.
- ④ NO. 14 2/C TWISTED, SHIELDED CABLE.
- ⑤ LOOP CONDUCTOR WITH FLEXIBLE PLASTIC TUBE. PREFORMED LOOP
- ⑥ XL POLYOLEFIN 2 CONDUCTOR
- ⑦ BREAKOUT SEALS. TYCO CBR-2 OR APPROVED EQUAL

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

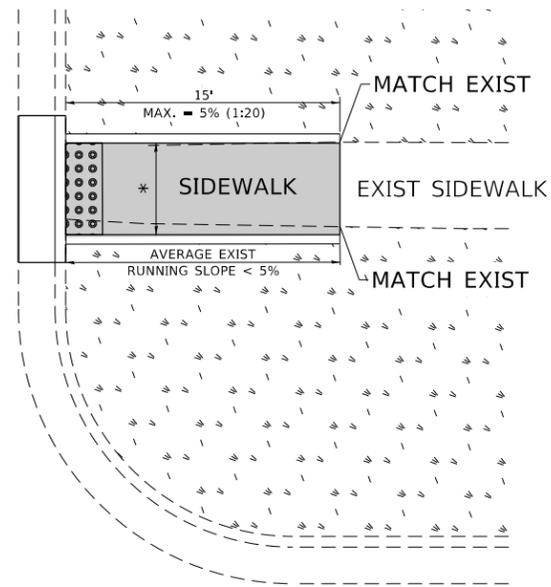
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TS-05			CONTRACT NO. 62F91	
ILLINOIS		FED. AID PROJECT		

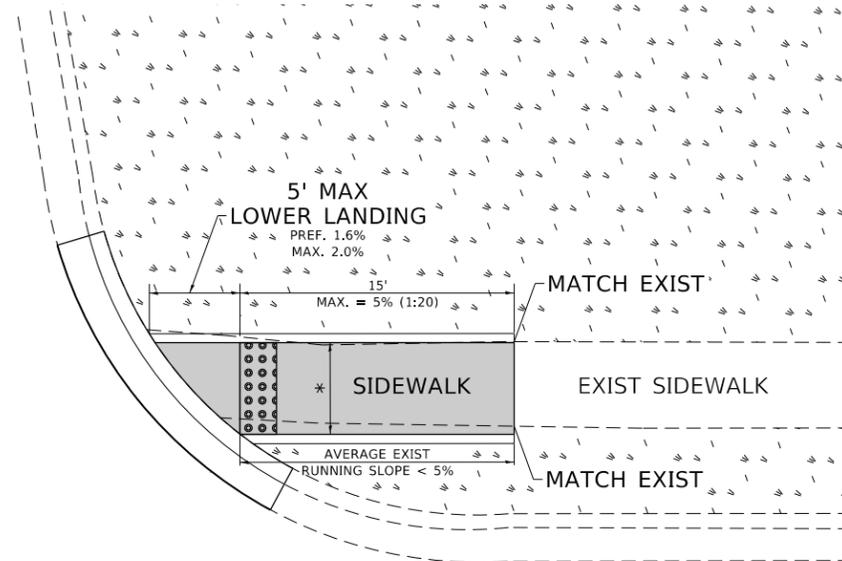
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ADA DETAIL FOR SINGLE PERPENDICULAR CURB RAMPS W/ EXIST. 5% OR LESS RUN. SLOPE

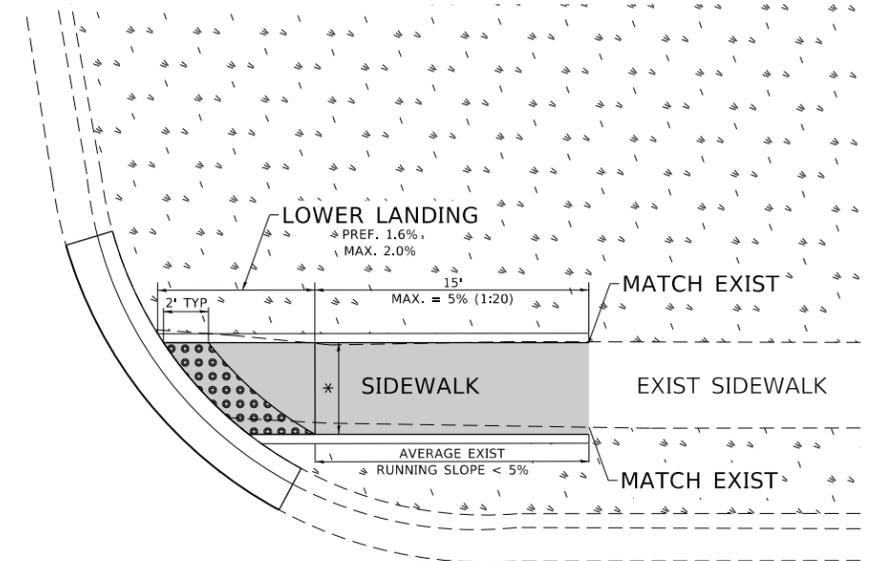
PD-01A



PD-01B



PD-01C



LEGEND

- EXIST. GRASS
- PROPOSED SIDEWALK
- DETECTABLE WARNINGS
- PROPOSED SIDE CURB

CONSTRUCTION NOTES:

- 1) ALL CROSS SLOPES ARE PREFERRED 1.6% (1:64), MAXIMUM 2% (1:50) EXCEPT WHEN TRANSITIONING TO EXISTING SIDEWALK
- * MATCH EXISTING SIDEWALK WIDTH

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 PROJECT: 2017-05-4R5 - PD-01.dwg
 USER: lababidim
 DATE: 12/13/2019

USER NAME = lababidim	DESIGNED -	REVISED -
	DRAWN - R. LEDEZMA	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 12/13/2019	DATE - 10/02/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROJECT DETAIL FOR SINGLE PERPENDICULAR CURB RAMPS
(PD-01)**

SCALE: NONE SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
333	2017-054R5	MCHENRY	65	65
PD-01		CONTRACT NO. 62F91		
ILLINOIS FED. AID PROJECT				