

11-09-2018 LETTING ITEM 011

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

\* 55 + 7 = 62 TOTAL SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS
307	130 & 131RS-4	DUPAGE	55
ILLINOIS CONTRACT NO. 62F57			1

FOR INDEX OF SHEETS, SEE SHEET NO. 2

THE PROJECT IS LOCATED IN THE VILLAGES OF CAROL STREAM, GLENDALE HEIGHTS, AND LOMBARD

TRAFFIC DATA:

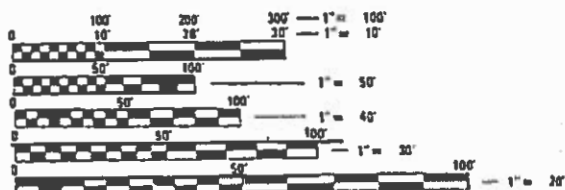
ILL 64 (NORTH AVE.):  
 GARY AVE. TO S SCHMALE RD.:  
 ADT (2016) = 46,100  
 POSTED SPEED LIMIT = 45 MPH

S SCHMALE RD. TO BLOOMINGDALE RD.:  
 ADT (2016) = 49,900  
 POSTED SPEED LIMIT = 45 MPH

BLOOMINGDALE RD. TO MAIN ST.:  
 ADT (2016) = 57,400  
 POSTED SPEED LIMIT = 45 MPH

MAIN ST. TO SWIFT RD.:  
 ADT (2016) = 67,000  
 POSTED SPEED LIMIT = 45 MPH

SWIFT RD. TO ILL 53 (ROHLWING RD.):  
 ADT (2016) = 48,700  
 POSTED SPEED LIMIT = 45 MPH



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 KARI SMITH (847) 705-4437  
PROJECT MANAGER FAWAD AQUEEL (847) 705-4247

CONTRACT NO. 62F57

# PROPOSED HIGHWAY PLANS

FAP ROUTE 307: IL RTE. 64 (NORTH AVE.)  
 GARY AVE. TO IL RTE. 53 (ROHLWING RD.)  
 SECTION: (130 & 131)RS-4  
 PROJECT: NHPP - FY4C(714)  
 RESURFACING (3P), PEDESTRIAN RAMPS  
 DUPAGE COUNTY

C-91-016-18

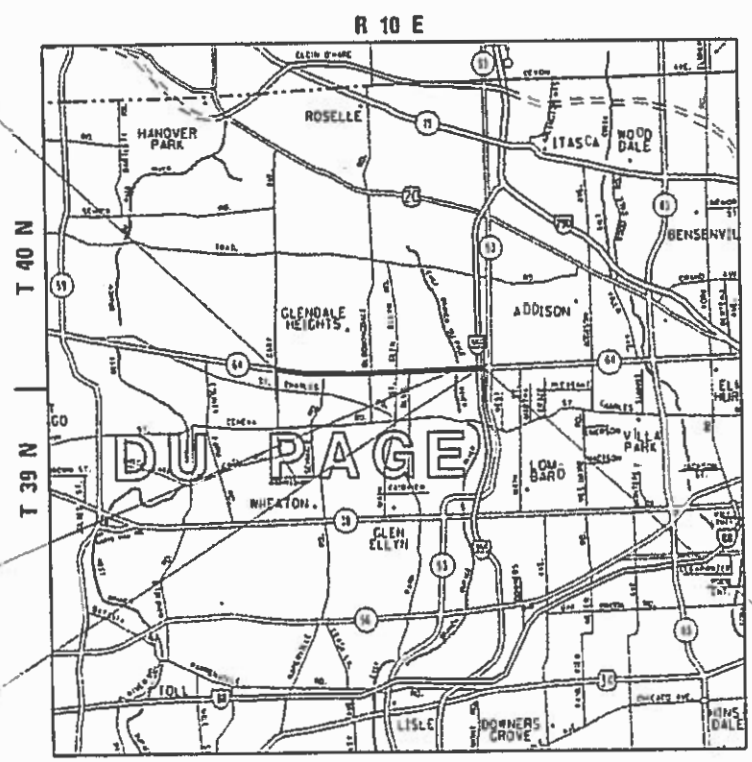


PROJECT BEGINS  
STA 12+00.0

OMISSION  
STA 212+96  
TO STA 213+87

OMISSION  
STA 239+16.68  
TO STA 243+21.29

PROJECT ENDS  
STA 249+71.1



GROSS LENGTH = 23,771.1 = 4.502 MILE  
NET LENGTH = 23,275.49 FT. = 4.408 MILE

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUBMITTED August 16, 2018

*Anthony J. Desautels* REGIONAL ENGINEER

*Oct 5, 2018* ENGINEER OF DESIGN AND ENVIRONMENT

*Paul P. [Signature]* DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

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OF THE STATE OF ILLINOIS

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**HIGHWAY STANDARDS**

STANDARD NO.	DESCRIPTION
000001-06	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
424001-10	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
424006-03	DIAGONAL CURB RAMPS FOR SIDEWALKS
424011-03	CORNER PARALLEL CURB RAMPS FOR SIDEWALKS
424021-04	DEPRESSED CORNER FOR SIDEWALKS
424031-01	MEDIAN PEDESTRIAN CROSSINGS
442201-03	CLASS C AND D PATCHES
602011-02	CATCH BASIN TYPE C
604001-04	FRAME AND LIDS TYPE 1
604091-03	FRAME AND GRATE TYPE 24
606001-07	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
630001-12	STEEL PLATE BEAM GUARDRAIL
630301-08	SHOULDER WIDENING FOR TYPE1 GUARDRAIL TERMINALS
701011-04	OFF-ROAD MOVING OPERATIONS, 2L, 2W, DAY ONLY
701101-05	OFF-ROAD OPERATIONS, MULTILANE, 15' (4.5 m) TO 24" (600 MM) FROM PAVEMENT EDGE
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS -DAY ONLY
701411-09	LANE CLOSURE, MULTI LANE ENTRANCE OR EXIT RAMP, 45 MPH OR MORE
701421-08	LANE CLOSURE, MULTILANE, DAY OPERATIONS ONLY, FOR SPEED >= 45 MPH TO 55 MPH
701426-09	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATIONS, FOR SPEEDS >= 45 MPH
701427-05	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATIONS, FOR SPEEDS <= 40 MPH
701456-05	PARTIAL EXIT RAMP CLOSURE, FREEWAY, EXPRESSWAY
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701601-09	URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-06	SIDEWALK CORNER OR CROSSWALK CLOSURE
701901-07	TRAFFIC CONTROL DEVICES
814001-03	HANDHOLES

**GENERAL NOTES**

- BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "J.U.L.I.E." AT (800) 892-0123 OR 811 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS UTILITIES. (48 HOUR NOTIFICATION IS REQUIRED)
- THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES, AND THE VILLAGES OF CAROL STREAM, GLENDALE HEIGHTS, AND LOMBARD.
- THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
- 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.
- 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.
- 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. EXACT LOCATIONS OF ALL PAVEMENT MARKINGS SHALL BE AS DIRECTED BY THE RESIDENT ENGINEER.
- ALL PAVEMENT PATCHING LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE RESIDENT ENGINEER/TECHNICIAN.
- DRAINAGE ADJUSTMENT OR RECONSTRUCTION LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE RESIDENT ENGINEER/TECHNICIAN.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
- 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.
- FOR FRAMES AND LIDS ADJUSTMENT WITHOUT MILLING, REUSE EXISTING FRAME AND LID UNLESS OTHERWISE SPECIFIED IN THE PLANS.
- THE CONTRACTOR SHALL CONTACT DISTRICT ONE ARTERIAL TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470 A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
- THE ENGINEER SHALL CONTACT DON CHIARUGI, ARTERIAL TRAFFIC FIELD ENGINEER, AT DON.CHIARUGI@ILLINOIS.GOV A MINIMUM OF TWO (2) WEEKS PRIOR TO THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS.
- THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTY AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.
- DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.
- DOUBLE LANE MARKERS ARE TO BE USED AS SHOWN ON THE DISTRICT ONE DETAIL "TYPICAL APPLICATIONS - RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)".
- WHEN THE MILLED PAVEMENT IS OPEN TO TRAFFIC THE MAXIMUM GRADE DIFFERENTIAL BETWEEN PASSES OF THE MILLING MACHINE SHALL NOT EXCEED 1/2 INCHES (40 mm) WHERE THE SPEED LIMIT IS 45 MPH (80 km/h) OR LESS AND 1 INCH (25 mm) WHERE THE SPEED LIMIT IS GREATER THAN 45 MPH (80 km/h). WITH WRITTEN APPROVAL OF THE ENGINEER, A MAXIMUM GRADE DIFFERENTIAL OF 3 INCHES (75 mm) MAY BE ALLOWED IF THE EDGE OF THE MILLING IS SLOPED A MINIMUM 1:3 .
- BUTT JOINTS WILL BE INSTALLED AT THE ENDS OF ALL RESURFACING (WHERE RESURFACING MEETS EXISTING PAVEMENT) ACCORDING TO THE "BUTT JOINT AND HOT-MIX ASPHALT TAPER DETAILS" SHEET INCLUDED IN THE PLANS, UNLESS OTHERWISE SPECIFIED.
- LANDSCAPED AREAS AFFECTED BY SIDEWALK CONSTRUCTION SHALL BE RESTORED WITH 18" WIDE STRIP OF "SODDING, SALT TOLERANT" AND "TOPSOIL FURNISH AND PLACE, 4-INCH" INSTALLED FROM THE BACK OF THE SIDEWALK, OR AS DETERMINED BY THE RESIDENT ENGINEER.
- PAVEMENT MARKING TAPE, TYPE III SHALL BE USED FOR SHORT TERM PAVEMENT MARKINGS ON ALL FINAL SURFACES.
- 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.
- LOCATION 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.
- 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.
- THE CONTRACTOR SHALL MAINTAIN PEDESTRIAN ACCESS AT ALL TIMES DURING CONSTRUCTION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPLACEMENT OF ANY DETECTOR LOOPS DAMAGED DURING CONSTRUCTION.

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT		0005 80% FED 20% STATE				
20100110	TREE REMOVAL ( 6 TO 15 UNITS DIAMETER)	UNIT	22	22				
20100210	TREE REMOVAL ( OVER 15 UNITS DIAMETER)	UNIT	29	29				
20101350	TREE PRUNING ( OVER 10 INCH DIAMETER)	EACH	11	11				
20200100	EARTH EXCAVATION	CU YD	34	34				
21101615	TOPSOIL FURNISH AND PLACE, 4"	SO YD	153	153				
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	2	2				
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	2	2				
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	2	2				
25003210	INTERSEEDING, CLASS 2A	ACRE	2.1	2.1				
25200110	SODDING, SALT TOLERANT	SO YD	153	153				
25200200	SUPPLEMENTAL WATERING	UNIT	2	2				
35501308	HOT-MIX ASPHALT BASE COURSE, 6"	SO YD	52	52				
40400070	ASPHALTIC EMULSION SLURRY SEAL, MIXTURE C	SO YD	675	675				
40500001	FIBER-MODIFIED ASPHALT CRACK SEALING	FOOT	440	440				
40600290	BITUMINOUS MATERIALS ( TACK COAT)	POUND	203287	203287				

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT		0005 80% FED 20% STATE				
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	452	452				
40600827	POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4, 75, N50	TON	9910	9910				
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SO YD	373	373				
40600985	PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT	SO YD	6521	6521				
40601005	HOT-MIX ASPHALT REPLACEMENT OVER PATCHES	TON	75	75				
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	6	6				
40603340	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	7212	7212				
42001300	PROTECTIVE COAT	SO YD	293	293				
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SO FT	1713	1713				
42400800	DETECTABLE WARNINGS	SO FT	194	194				
44000160	HOT-MIX ASPHALT SURFACE REMOVAL, 2 3/4"	SO YD	7362	7362				

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

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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**IL RTE. 64 (NORTH AVE.) - GARY AVE. TO IL RTE. 53 (ROHLWING RD.)  
 SUMMARY OF QUANTITIES**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	(130 & 131)RS-4	DUPAGE	55	3
FED. ROAD DIST. NO. 1   ILLINOIS FED. AID PROJECT			CONTRACT NO. 62F57	

SCALE: SHEET NO. OF SHEETS STA. TO STA.

SUMMARY OF QUANTITIES				CONSTRUCTION TYPE CODE					SUMMARY OF QUANTITIES				CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	0005 80% FED 20% STATE					CODE NO	ITEM	UNIT	TOTAL QUANTITIES	0005 80% FED 20% STATE				
44000200	DRIVEWAY PAVEMENT REMOVAL	SO YD	52	52					60300305	FRAMES AND LIDS TO BE ADJUSTED	EACH	80	80				
44000600	SIDEWALK REMOVAL	SO FT	1846	1846					60406000	FRAMES AND LIDS, TYPE 1, OPEN LID	EACH	15	15				
44002220	HOT-MIX ASPHALT REMOVAL OVER PATCHES, 5"	SO YD	266	266					60406100	FRAMES AND LIDS, TYPE 1, CLOSED LID	EACH	20	20				
44003510	MEDIAN REMOVAL PARTIAL DEPTH	SO FT	18656	18656					* 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	4	4				
44201753	CLASS D PATCHES, TYPE II, 9 INCH	SO YD	111	111					63200310	GUARDRAIL REMOVAL	FOOT	150	150				
44201757	CLASS D PATCHES, TYPE III, 9 INCH	SO YD	56	56					* 63301210	REMOVE AND REERECT STEEL PLATE BEAM GUARDRAIL, TYPE A	FOOT	580	580				
44201759	CLASS D PATCHES, TYPE IV, 9 INCH	SO YD	56	56					* 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	34	34				
44201765	CLASS D PATCHES, TYPE II, 10 INCH	SO YD	1508	1508					* 66900450	SPECIAL WASTE PLANS AND REPORTS	LSUM	1	1				
44201769	CLASS D PATCHES, TYPE III, 10 INCH	SO YD	3016	3016					* 66900530	SOIL DISPOSAL ANALYSIS	EACH	2	2				
44201771	CLASS D PATCHES, TYPE IV, 10 INCH	SO YD	3016	3016					67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	12	12				
48101500	AGGREGATE SHOULDER, TYPE B 6"	SO YD	81	81					67100100	MOBILIZATION	LSUM	1	1				
60255500	MANHOLES TO BE ADJUSTED	EACH	11	11					70100310	TRAFFIC CONTROL AND PROTECTION, STANDARD 701421	L SUM	1	1				
60260100	INLETS TO BE ADJUSTED	EACH	16	16					70100420	TRAFFIC CONTROL AND PROTECTION, STANDARD 701411	EACH	4	4				
60266600	VALVE BOXES TO BE ADJUSTED	EACH	4	4					70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	LSUM	1	1				
60300105	FRAMES AND GRATES TO BE ADJUSTED	EACH	4	4					70100825	TRAFFIC CONTROL AND PROTECTION, STANDARD 701456	LSUM	1	1				
* = SPECIALTY ITEMS △ = NON-PARTICIPATING WORK (100% STATE)																	

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IL RTE. 64 (NORTH AVE.) - GARY AVE. TO IL RTE. 53 (ROHLWING RD.)  
SUMMARY OF QUANTITIES**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	(130 & 131)RS-4	DUPAGE	55	4
FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT			CONTRACT NO. 62F57	

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE					SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE					
CODE NO	ITEM	UNIT		0005 80% FED 20% STATE						CODE NO	ITEM		UNIT	0005 80% FED 20% STATE				
70102630	TRAFFIC CONTROL AND PROTECTION, STANDARD 701601	LSUM	1	1														
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	LSUM	1	1														
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	LSUM	1	1														
70200100	NIGHTTIME WORK ZONE LIGHTING	L SUM	1	1														
70300100	SHORT TERM PAVEMENT MARKING	FOOT	286644	286644														
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SO FT	95548	95548														
70300210	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS	SO FT	5253	5253														
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	104556	104556														
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	18783	18783														
70300250	TEMPORARY PAVEMENT MARKING - LINE 8"	FOOT	9563	9563														
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	12663	12663														
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	2500	2500														
70300510	PAVEMENT MARKING TAPE, TYPE III - LETTERS AND SYMBOLS	SO FT	5277	5277														
70300520	PAVEMENT MARKING TAPE, TYPE III 4"	FOOT	55554	55554														
* 72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	4	4														
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SO FT	5253	5253														
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	104556	104556														
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	19553	19553														
* 78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	8793	8793														
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	12663	12663														
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	2500	2500														
* 78009000	MODIFIED URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS	SO FT	440	440														
* 78009004	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	FOOT	776	776														
* 78009006	MODIFIED URETHANE PAVEMENT MARKING - LINE 6"	FOOT	1552	1552														

\* = SPECIALTY ITEMS  
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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**IL RTE. 64 (NORTH AVE.) - GARY AVE. TO IL RTE. 53 (ROHLWING RD.)  
 SUMMARY OF QUANTITIES**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	(130 & 131)RS-4		55	5
SCALE:			CONTRACT NO. 62F57	
SHEET NO. OF SHEETS STA. TO STA.			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT	

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT		0005 80% FED 20% STATE				
* 78009024	MODIFIED URETHANE PAVEMENT MARKING - LINE 24"	FOOT	120	120				
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	2824	2824				
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	2353	2353				
* 85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	4	4				
* 88600600	DETECTOR LOOP REPLACEMENT	FOOT	9190	9190				
* 89500400	RELOCATE EXISTING PEDESTRIAN PUSH-BUTTON	EACH	3	3				
* 89502376	REBUILD EXISTING HANDHOLE	EACH	9	9				
* 89502378	REBUILD EXISTING HANDHOLE TO HEAVY-DUTY HANDHOLE	EACH	2	2				
K0029614	WEED CONTROL, AQUATIC	GALLON	2.5	2.5				
K0029618	WEED CONTROL, BROADLEAF IN TURF	GALLON	2.5	2.5				
X0320050	CONSTRUCTION LAYOUT (SPECIAL)	LSUM	1	1				
X0327980	PAVEMENT MARKING REMOVAL - WATER BLASTING	SO FT	1198	1198				

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT		0005 80% FED 20% STATE				
* X2700004	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LINE 7"	FOOT	388	388				
X4060006	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 12.5, N80	TON	27306	27306				
X4400100	PORTLAND CEMENT CONCRETE SURFACE REMOVAL ( VARIABLE DEPTH)	SO YD	61004	61004				
X4405030	LONGITUDINAL PARTIAL DEPTH REMOVAL 3"	FOOT	1800	1800				
X4420900	LONGITUDINAL PARTIAL DEPTH PATCHING	TON	60	60				
△ X5537800	STORM SEWERS TO BE CLEANED 12"	FOOT	4000	4000				
X6030205	FRAMES AND GRATES TO BE ADJUSTED (SPECIAL)	EACH	1	1				
X6030310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	37	37				
X7030005	TEMPORARY PAVEMENT MARKING REMOVAL	SO FT	80793	80793				
* X7830070	GROOVING FOR RECESSED PAVEMENT MARKING 5"	FOOT	388	388				
Z0004562	COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	1139	1139				
△ Z0018500	DRAINAGE STRUCTURES TO BE CLEANED	EACH	85	85				

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

FILE NAME =	USER NAME = grawemk	DESIGNED -	REVISED -
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	PLOT SCALE = 100,0000' / 1in	CHECKED -	REVISED -
	PLOT DATE = 8/16/2018	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IL RTE. 64 (NORTH AVE.) - GARY AVE. TO IL RTE. 53 (ROHLWING RD.)  
SUMMARY OF QUANTITIES**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	(130 & 131)RS-4	DUPAGE	55	6
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 62F57	

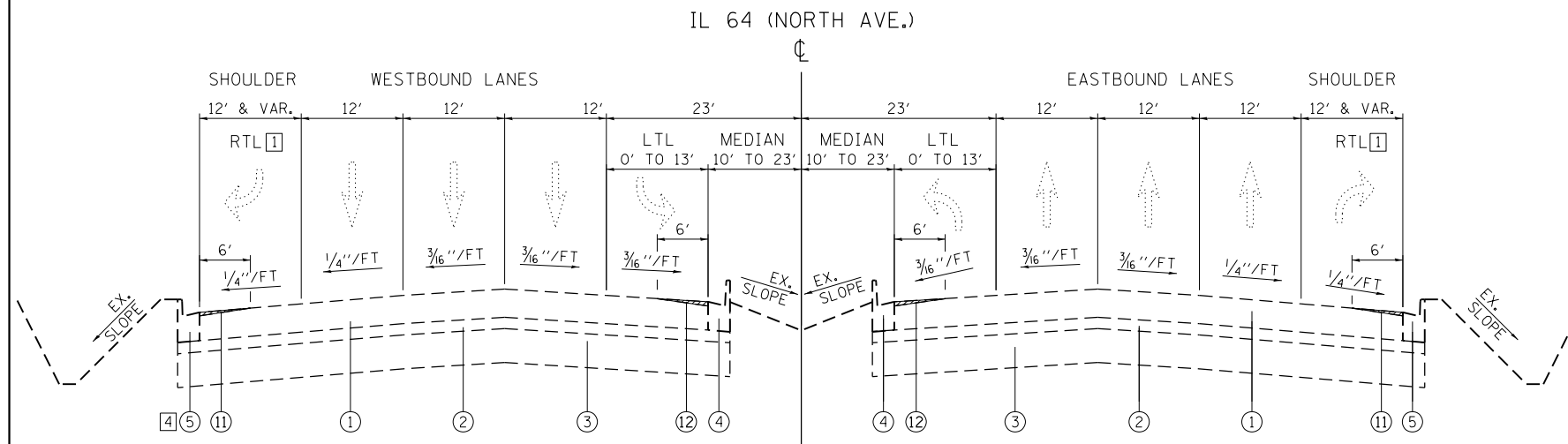
SCALE: SHEET NO. OF SHEETS STA. TO STA.



- 1 = SHOULDER BECOMES RTL, AS SHOWN ON THE PLAN
- 2 = SEE PLANS FOR MIX CHANGES AT UNSHADED AREA
- 4 = EXISTING CONCRETE BARRIER TO REMAIN, STA. 113+19 TO STA. 117+77

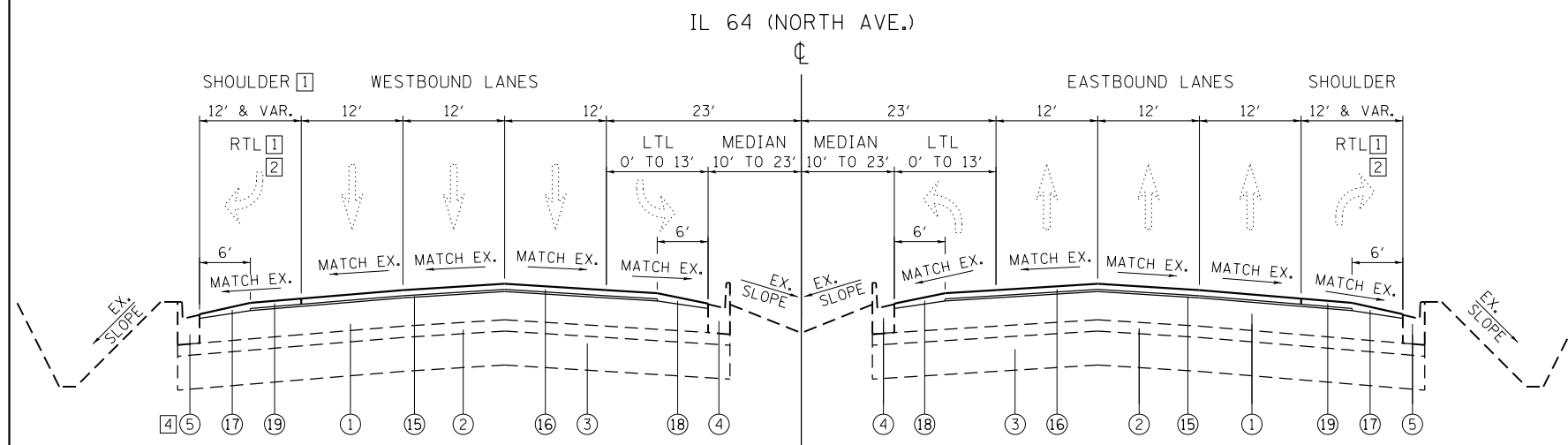
**LEGEND:**

1. EXISTING P.C.C. PAVEMENT, ±10"
  2. EXISTING SUB-BASE, 4"
  3. EXISTING AGGREGATE SUBGRADE, 12"
  4. EXISTING COM. CONCRETE CURB & GUTTER, B-9.24
  5. EXISTING COM. CONCRETE CURB & GUTTER, B-6.24
  6. EXISTING CORRUGATED CONCRETE MEDIAN
  7. EXISTING CONCRETE MEDIAN TYPE SB-9.24 OR LANDSCAPING
  8. EXISTING HMA PAVEMENT, ±5"
  9. EXISTING P.C.C. PAVEMENT, ±9"
  10. EXISTING HMA PAVEMENT AFTER MILLING, ±2 1/4"
  11. PROPOSED P.C.C. SURFACE REMOVAL (VAR. DEPTH), SEE DETAIL A AND DETAIL B
  12. PROPOSED P.C.C. SURFACE REMOVAL (VAR. DEPTH), SEE DETAIL C
  13. PROPOSED MEDIAN REMOVAL, PARTIAL DEPTH (TO MATCH ADJACENT EXISTING P.C.C. PAVEMENT SURFACE)
  14. PROPOSED HMA SURFACE REMOVAL, 2 3/4"
  15. PROPOSED POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 (3/4")
  16. PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 12.5, N80 (2")
  17. PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (2 3/4" TO 1 1/2")
  18. PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 12.5, N80 (2 3/4" TO 1 3/4"), SEE DETAIL C
  19. PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (2")
- LONGITUDINAL JOINT SEALANT SHALL BE PLACED OVER THE POLYMERIZED LEVELING BINDER BEING PAVED WHERE THE SURFACE JOINT WILL BE LOCATED



**EXISTING TYPICAL SECTION**

STA 19+83 TO 21+75; STA 25+39 TO STA 31+30  
 STA 36+38 TO STA 38+78; STA 52+66 TO STA 54+50  
 STA 59+33 TO STA 65+37; STA 70+05 TO STA 75+23  
 STA 87+55 TO STA 92+60; STA 111+72 TO STA 117+39  
 STA 149+00 TO STA 155+39; STA 159+28 TO 171+00  
 STA 175+50 TO STA 178+91; STA 216+67 TO 218+30  
 STA 221+24 TO STA 239+17; STA 243+21 TO STA 249+71  
 LOOKING EAST



**PROPOSED TYPICAL SECTION**

STA 19+83 TO 21+75; STA 25+39 TO STA 31+30  
 STA 36+38 TO STA 38+78; STA 52+66 TO STA 54+50  
 STA 59+33 TO STA 65+37; STA 70+05 TO STA 75+23  
 STA 87+55 TO STA 92+60; STA 111+72 TO STA 117+39  
 STA 149+00 TO STA 155+39; STA 159+28 TO 171+00  
 STA 175+50 TO STA 178+91; STA 216+67 TO 218+30  
 STA 221+24 TO STA 239+17; STA 243+21 TO STA 249+71  
 LOOKING EAST

**HOT-MIX ASPHALT MIXTURE REQUIREMENTS**

MIXTURE TYPE	AIR VOIDS e <sub>Ndes</sub>	QUALITY MANAGEMENT PROGRAM (OMP)
<b>PAVEMENT RESURFACING</b>		
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 12.5, N80	3.5% AT 80 GYR.	PFPP
POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50	3.5% AT 50 GYR.	QCP
<b>SHOULDER</b>		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70; 2" TO 1 1/2" (IL-9.5 mm)	4% AT 70 GYR.	QC/OA
POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50	3.5% AT 50 GYR.	QCP
<b>DRIVEWAYS</b>		
HMA SURFACE COURSE, MIX "D", N50, (IL-9.5 mm); 2"	4% AT 50 GYR.	QC/OA
HMA BASE COURSE (HMA BINDER IL-19 mm); PE - 6"	4% AT 50 GYR.	QC/OA
<b>PATCHING</b>		
CLASS D PATCHES (HMA BINDER IL-19 mm)	4% AT 70 GYR.	QC/OA
HMA REPLACEMENT OVER PATCHES (HMA BINDER IL-19 mm)	4% AT 70 GYR.	QC/OA
OMP DESIGNATION: QUALITY CONTROL/ QUALITY ASSURANCE (QC/OA); QUALITY CONTROL FOR PERFORMANCE (QCP); PAY FOR PERFORMANCE (PFPP)		

**NOTES:**

1. THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN.
2. THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS. FOR USE OF RECYCLED MATERIALS SEE SPECIAL PROVISIONS.
3. QUALITY MANAGEMENT PROGRAM (OMP) IDENTIFIES THE PARTICULAR QUALITY CONTROL SPECIFICATION THAT APPLIES TO THE HMA MIXTURE.
4. THE CONTRACTOR SHALL PATCH FIRST BEFORE MILLING.

FILE NAME =	USER NAME = grouevmk	DESIGNED -	REVISED -
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Default	PLOT DATE = 8/17/2018	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IL RTE. 64 (NORTH AVE.) - GARY AVE. TO IL RTE. 53 (ROHLWING RD.)  
TYPICAL SECTIONS**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	(130 & 131)RS-4	DUPAGE	55	8
CONTRACT NO. 62F57			ILLINOIS FED. AID PROJECT	



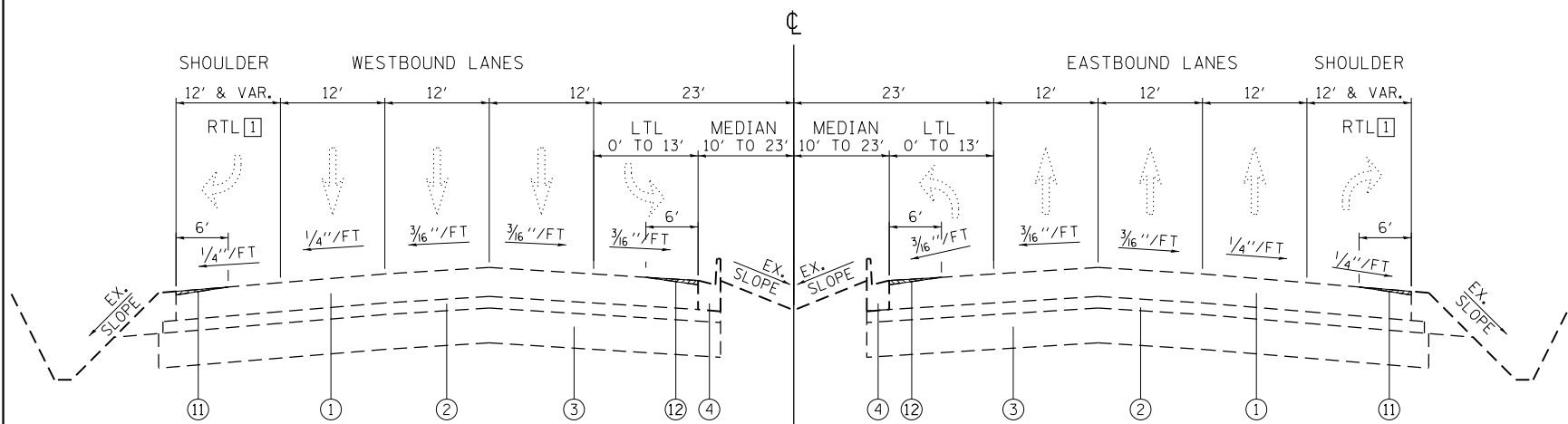
- 1 = SHOULDER BECOMES RTL, AS SHOWN ON THE PLAN
- 2 = SEE PLANS FOR MIX CHANGES AT UNSHADED AREA
- 3 = GUARDRAIL FROM STA 125+60 TO STA 128+76
- 5 = LOCATIONS OF GRADING AND SHAPING SHOULDERS AND AGGREGATE SHOULDER, TYPE B WILL BE DETERMINED IN THE FIELD BY THE RESIDENT ENGINEER/TECHNICIAN

**LEGEND:**

1. EXISTING P.C.C. PAVEMENT, ±10"
2. EXISTING SUB-BASE, 4"
3. EXISTING AGGREGATE SUBGRADE, 12"
4. EXISTING COM. CONCRETE CURB & GUTTER, B-9.24
5. EXISTING COM. CONCRETE CURB & GUTTER, B-6.24
6. EXISTING CORRUGATED CONCRETE MEDIAN
7. EXISTING CONCRETE MEDIAN TYPE SB-9.24 OR LANDSCAPING
8. EXISTING HMA PAVEMENT, ±5"
9. EXISTING P.C.C. PAVEMENT, ±9"
10. EXISTING HMA PAVEMENT AFTER MILLING, ±2 1/4"
11. PROPOSED P.C.C. SURFACE REMOVAL (VAR. DEPTH), SEE DETAILS A AND B
12. PROPOSED P.C.C. SURFACE REMOVAL (VAR. DEPTH), SEE DETAIL C
13. PROPOSED MEDIAN REMOVAL, PARTIAL DEPTH (TO MATCH ADJACENT EXISTING P.C.C. PAVEMENT SURFACE)
14. PROPOSED HMA SURFACE REMOVAL, 2 3/4"
15. PROPOSED POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 (3/4")
16. PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 12.5, N80 (2")
17. PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (2 3/4" TO 1 1/2")
18. PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 12.5, N80 (2 3/4" TO 1 3/4"), SEE DETAIL C
19. PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (2")
20. NOT APPLICABLE (N/A)
21. PROPOSED AGGREGATE SHOULDER, TYPE B
22. PROPOSED GRADING AND SHAPING SHOULDERS

LONGITUDINAL JOINT SEALANT SHALL BE PLACED OVER THE POLYMERIZED LEVELING BINDER BEING PAVED WHERE THE SURFACE JOINT WILL BE LOCATED

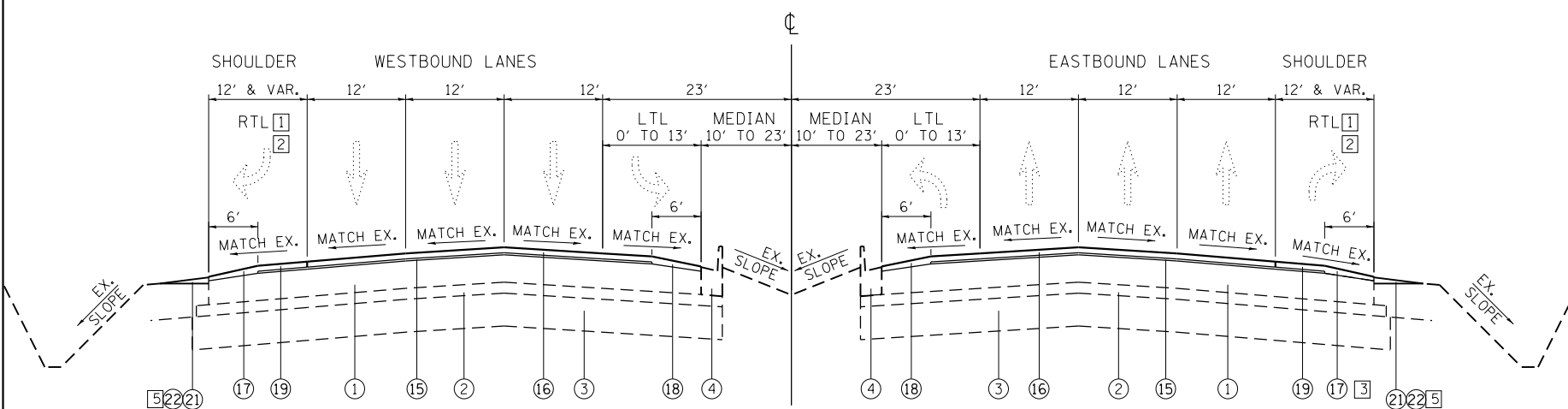
IL 64 (NORTH AVE.)



**EXISTING TYPICAL SECTION**

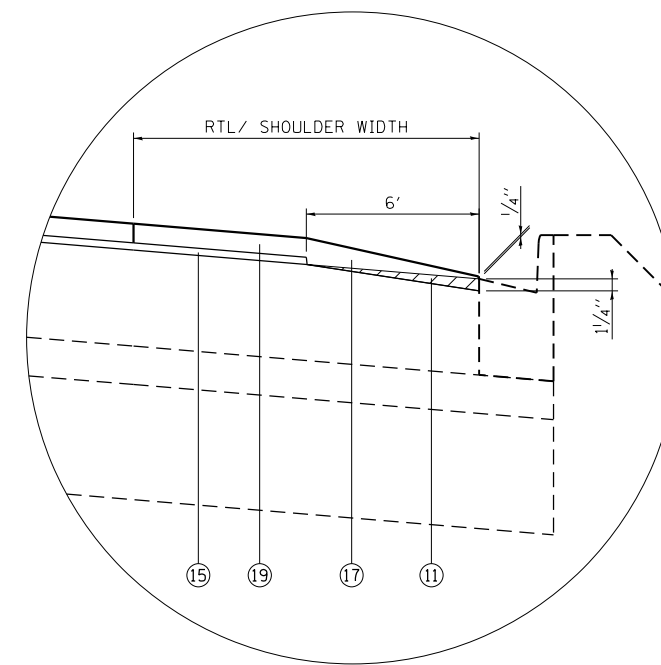
STA 21+75 TO STA 25+39  
 STA 38+78 TO STA 44+58  
 STA 75+23 TO STA 87+55  
 STA 124+08 TO STA 131+46  
 STA 155+39 TO STA 159+28  
 STA 218+30 TO STA 221+24  
 LOOKING EAST

IL 64 (NORTH AVE.)



**PROPOSED TYPICAL SECTION**

STA 21+75 TO STA 25+39  
 STA 38+78 TO STA 44+58  
 STA 75+23 TO STA 87+55  
 STA 124+08 TO STA 131+46  
 STA 155+39 TO STA 159+28  
 STA 218+30 TO STA 221+24  
 LOOKING EAST



**DETAIL A  
 HMA TAPER AT EDGE OF P.C.C.  
 OUTSIDE SHOULDER/RTL WITH CURB**

FILE NAME =	USER NAME = grouevmk	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>IL RTE. 64 (NORTH AVE.) - GARY AVE. TO IL RTE. 53 (ROHLWING RD.) TYPICAL SECTIONS</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
pw\11084EBIDINTEG\illinois.gov\PIDOT\Documents\DOT Offices\District 1\Projects\DI01518\BROW\Design\DI01518-sht 4 - typical.dwg		CHECKED -	REVISED -			307	(130 & 131)RS-4	DUPAGE	55	9	
Default	PLOT SCALE = 100.0000' / in.	DATE -	REVISED -			CONTRACT NO. 62F57		ILLINOIS FED. AID PROJECT			
	PLOT DATE = 8/17/2018					SCALE:	SHEET	OF	SHEETS	STA.	TO

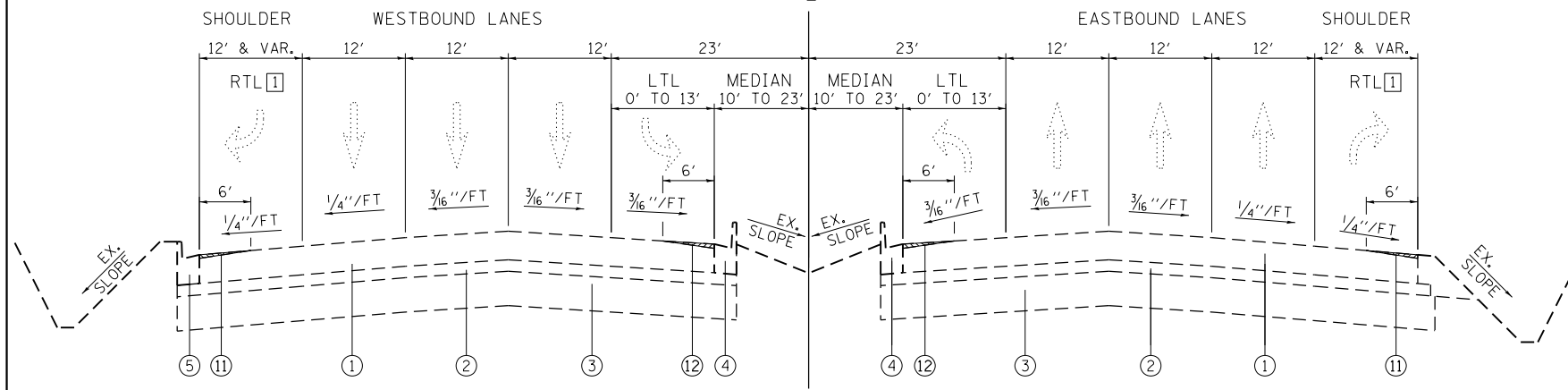
- 1 = SHOULDER BECOMES RTL, AS SHOWN ON THE PLAN
- 2 = SEE PLANS FOR MIX CHANGES AT UNSHADED AREA
- 5 = LOCATIONS OF GRADING AND SHAPING SHOULDERS AND AGGREGATE SHOULDER. TYPE B WILL BE DETERMINED IN THE FIELD BY THE RESIDENT ENGINEER/TECHNICIAN

**LEGEND:**

1. EXISTING P.C.C. PAVEMENT, ±10"
2. EXISTING SUB-BASE, 4"
3. EXISTING AGGREGATE SUBGRADE, 12"
4. EXISTING COM. CONCRETE CURB & GUTTER, B-9.24
5. EXISTING COM. CONCRETE CURB & GUTTER, B-6.24
6. EXISTING CORRUGATED CONCRETE MEDIAN
7. EXISTING CONCRETE MEDIAN TYPE SB-9.24 OR LANDSCAPING
8. EXISTING HMA PAVEMENT, ±5"
9. EXISTING P.C.C. PAVEMENT, ±9"
10. EXISTING HMA PAVEMENT AFTER MILLING, ±2 1/4"
11. PROPOSED P.C.C. SURFACE REMOVAL (VAR. DEPTH), SEE DETAILS A AND B
12. PROPOSED P.C.C. SURFACE REMOVAL (VAR. DEPTH), SEE DETAIL C
13. PROPOSED MEDIAN REMOVAL, PARTIAL DEPTH (TO MATCH ADJACENT EXISTING P.C.C. PAVEMENT SURFACE)
14. PROPOSED HMA SURFACE REMOVAL, 2 3/4"
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16. PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 12.5, N80 (2")
17. PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (2 3/4" TO 1 1/2")
18. PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 12.5, N80 (2 3/4" TO 1 3/4"), SEE DETAIL C
19. PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (2")
20. NOT APPLICABLE (N/A)
21. PROPOSED AGGREGATE SHOULDER, TYPE B
22. PROPOSED GRADING AND SHAPING SHOULDERS

LONGITUDINAL JOINT SEALANT SHALL BE PLACED OVER THE POLYMERIZED LEVELING BINDER BEING PAVED WHERE THE SURFACE JOINT WILL BE LOCATED

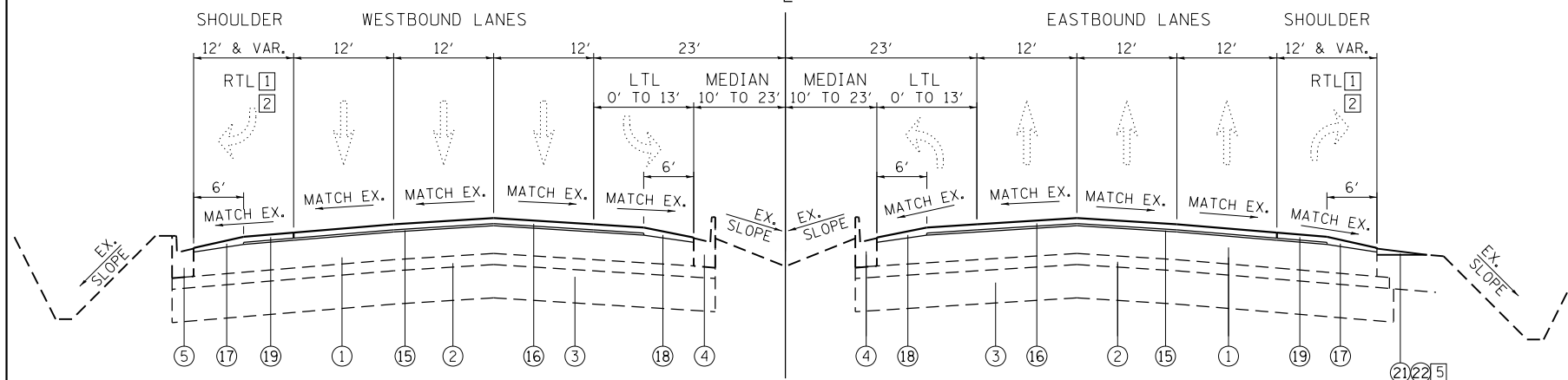
IL 64 (NORTH AVE.)



**EXISTING TYPICAL SECTION**

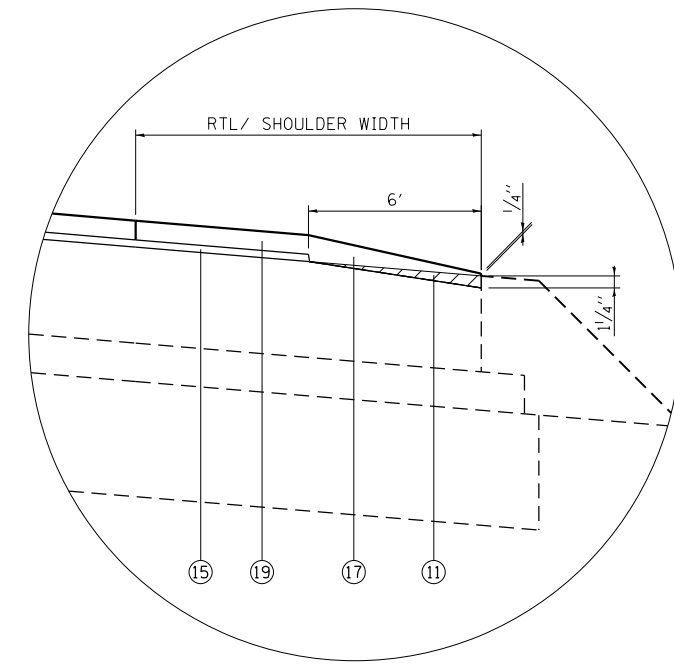
STA 31+30 TO STA 36+38  
 STA 49+24 TO STA 52+66  
 STA 54+50 TO STA 59+33  
 STA 92+60 TO STA 100+30  
 STA 106+95 TO STA 111+72  
 STA 131+460 TO STA 139+29  
 STA 178+910 TO STA 196+55  
 LOOKING EAST

IL 64 (NORTH AVE.)



**PROPOSED TYPICAL SECTION**

STA 31+30 TO STA 36+38  
 STA 49+24 TO STA 52+66  
 STA 54+50 TO STA 59+33  
 STA 92+60 TO STA 100+30  
 STA 106+95 TO STA 111+72  
 STA 131+46 TO STA 139+29  
 STA 178+91 TO STA 196+55  
 LOOKING EAST



**DETAIL B  
 HMA TAPER AT EDGE OF P.C.C.  
 OUTSIDE SHOULDER WITH NO CURB**

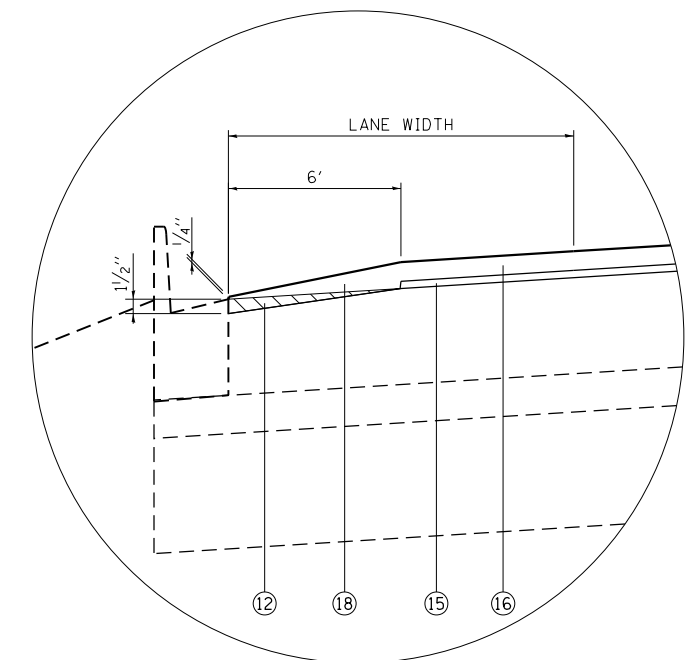
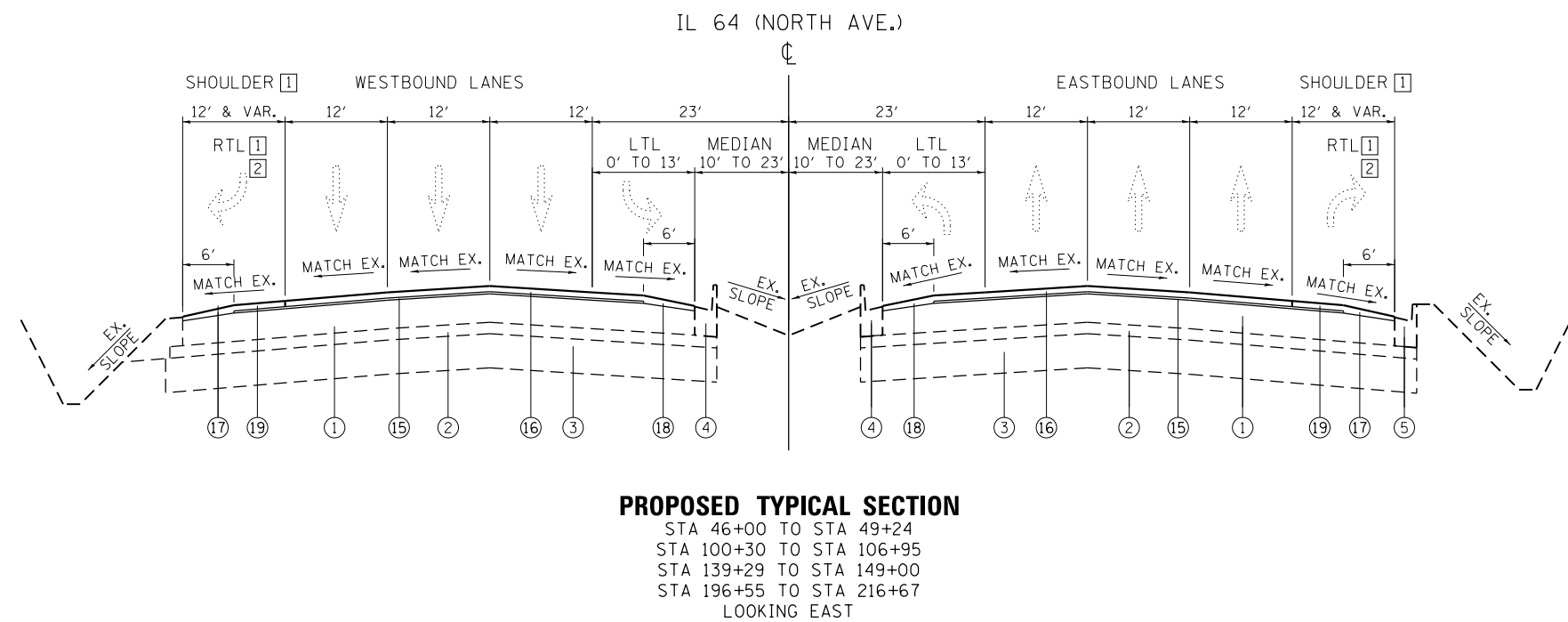
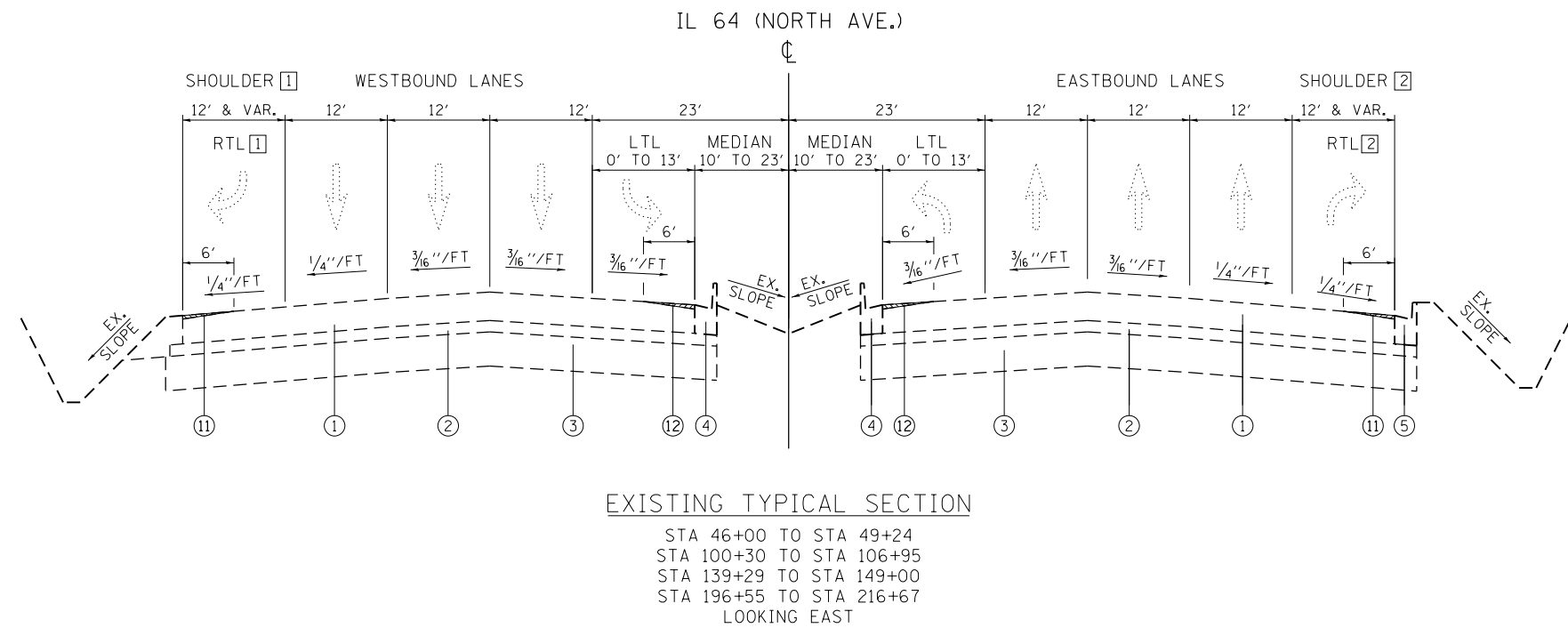
FILE NAME =	USER NAME = grouevmk	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>IL RTE. 64 (NORTH AVE.) - GARY AVE. TO IL RTE. 53 (ROHLWING RD.) TYPICAL SECTIONS</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -			307	(130 & 131)RS-4	DUPAGE	55	10	
	PLOT DATE = 8/17/2018	DATE -	REVISED -			SCALE: SHEET OF SHEETS STA. TO STA.		CONTRACT NO. 62F57		ILLINOIS FED. AID PROJECT	

- 1 = SHOULDER BECOMES RTL, AS SHOWN ON THE PLAN
- 2 = SEE PLANS FOR MIX CHANGES AT UNSHADED AREA
- 3 = GUARDRAIL FROM STA 125+60 TO STA 128+76

**LEGEND:**

1. EXISTING P.C.C. PAVEMENT, ±10"
2. EXISTING SUB-BASE, 4"
3. EXISTING AGGREGATE SUBGRADE, 12"
4. EXISTING COM. CONCRETE CURB & GUTTER, B-9.24
5. EXISTING COM. CONCRETE CURB & GUTTER, B-6.24
6. EXISTING CORRUGATED CONCRETE MEDIAN
7. EXISTING CONCRETE MEDIAN TYPE SB-9.24 OR LANDSCAPING
8. EXISTING HMA PAVEMENT, ±5"
9. EXISTING P.C.C. PAVEMENT, ±9"
10. EXISTING HMA PAVEMENT AFTER MILLING, ±2 1/4"
11. PROPOSED P.C.C. SURFACE REMOVAL (VAR. DEPTH), SEE DETAIL A AND DETAIL B
12. PROPOSED P.C.C. SURFACE REMOVAL (VAR. DEPTH), SEE DETAIL C
13. PROPOSED MEDIAN REMOVAL, PARTIAL DEPTH (TO MATCH ADJACENT EXISTING P.C.C. PAVEMENT SURFACE)
14. PROPOSED HMA SURFACE REMOVAL, 2 3/4"
15. PROPOSED POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 (3/4")
16. PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 12.5, N80 (2")
17. PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (2 3/4" TO 1 1/2")
18. PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 12.5, N80 (2 3/4" TO 1 3/4"), SEE DETAIL C
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LONGITUDINAL JOINT SEALANT SHALL BE PLACED OVER THE POLYMERIZED LEVELING BINDER BEING PAVED WHERE THE SURFACE JOINT WILL BE LOCATED

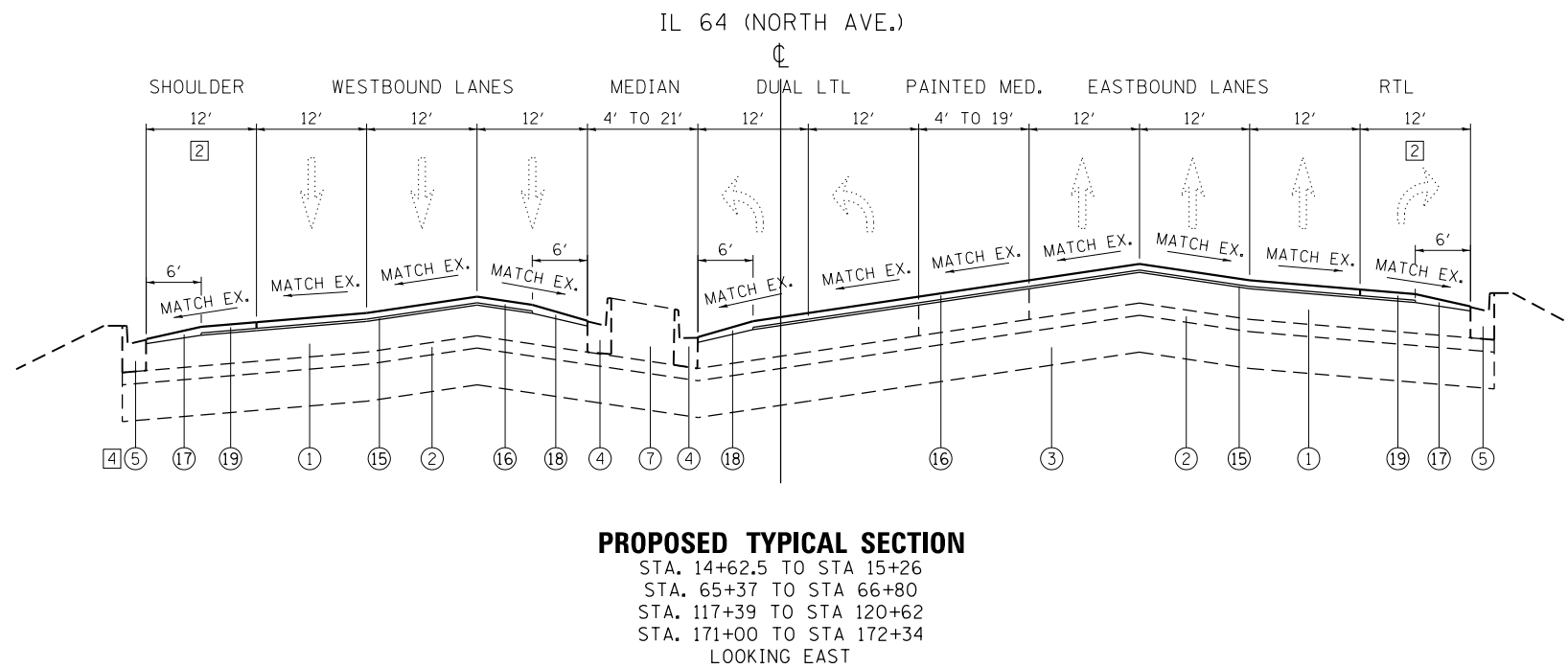
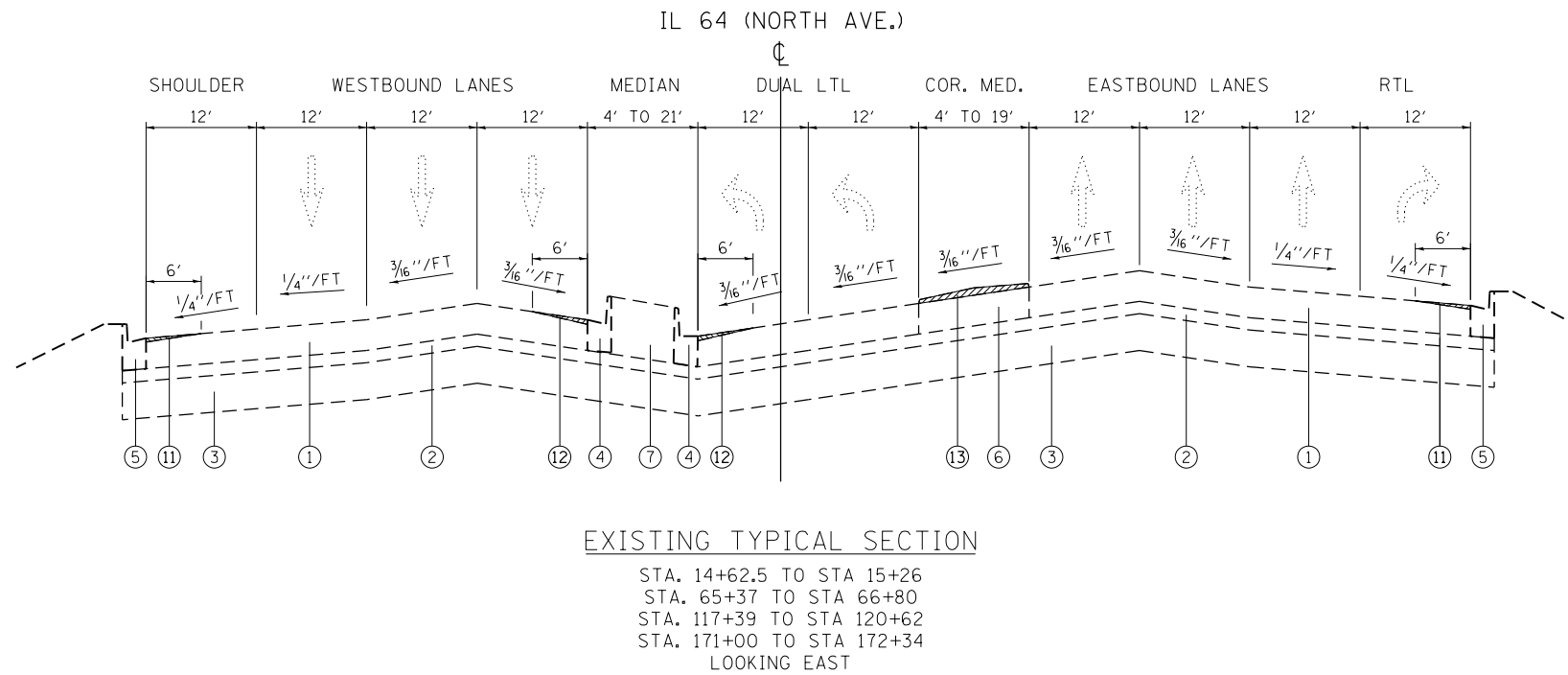


FILE NAME =	USER NAME = grouevmk	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>IL RTE. 64 (NORTH AVE.) - GARY AVE. TO IL RTE. 53 (ROHLWING RD.) TYPICAL SECTIONS</b>	F.A.P. RTE. 307	SECTION (130 & 131)RS-4	COUNTY DUPAGE	TOTAL SHEETS 55	SHEET NO. 11		
Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -			SCALE:	SHEET OF SHEETS	STA. TO STA.	CONTRACT NO. 62F57			
	PLOT DATE = 8/17/2018	DATE -	REVISED -			ILLINOIS FED. AID PROJECT						

- 2 = SEE PLANS FOR MIX CHANGES AT UNSHADED AREA
- 4 = EXISTING CONCRETE BARRIER TO REMAIN, STA. 113+19 TO STA. 117+77

**LEGEND:**

1. EXISTING P.C.C PAVEMENT, ±10"
  2. EXISTING SUB-BASE, 4"
  3. EXISTING AGGREGATE SUBGRADE, 12"
  4. EXISTING COM. CONCRETE CURB & GUTTER, B-9.24
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  6. EXISTING CORRUGATED CONCRETE MEDIAN
  7. EXISTING CONCRETE MEDIAN TYPE SB-9.24 OR LANDSCAPING
  8. EXISTING HMA PAVEMENT, ±5"
  9. EXISTING P.C.C PAVEMENT, ±9"
  10. EXISTING HMA PAVEMENT AFTER MILLING, ±2 1/4"
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  14. PROPOSED HMA SURFACE REMOVAL, 2 3/4"
  15. PROPOSED POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 (3/4")
  16. PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 12.5, N80 (2")
  17. PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (2 3/4" TO 1 1/2")
  18. PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 12.5, N80 (2 3/4" TO 1 3/4"), SEE DETAIL C
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- LONGITUDINAL JOINT SEALANT SHALL BE PLACED OVER THE POLYMERIZED LEVELING BINDER BEING PAVED WHERE THE SURFACE JOINT WILL BE LOCATED

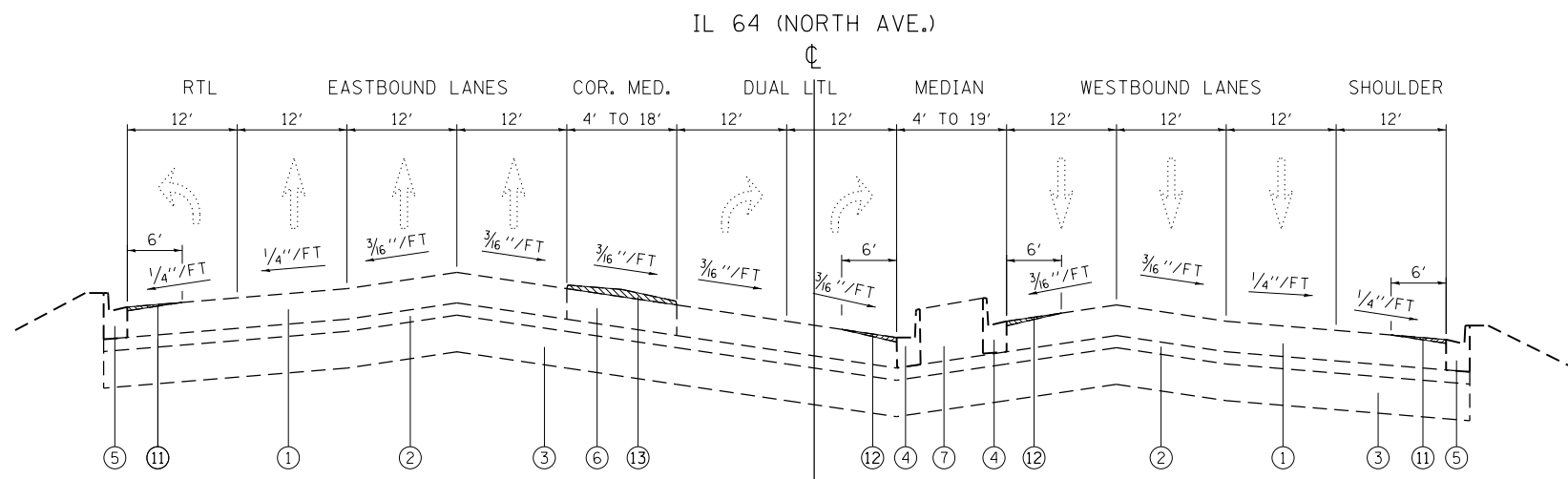


FILE NAME =	USER NAME = grouevmk	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>IL RTE. 64 (NORTH AVE.) - GARY AVE. TO IL RTE. 53 (ROHLWING RD.) TYPICAL SECTIONS</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
pw:\IL084EBIDINTEG.illinois.gov\PIWIDOT\Documents\DOT Offices\District 1\Projects\DI01518\BRAW\Design\DI01518-sh4 - typical.dwg		REVISIONS	REVISIONS			307	(130 & 131)RS-4	DUPAGE	55	12	
Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -			CONTRACT NO. 62F57			ILLINOIS FED. AID PROJECT		
	PLOT DATE = 8/17/2018	DATE -	REVISED -			SCALE:	SHEET	OF	SHEETS	STA.	TO

☐ = SEE PLANS FOR MIX CHANGES AT UNSHADED AREA

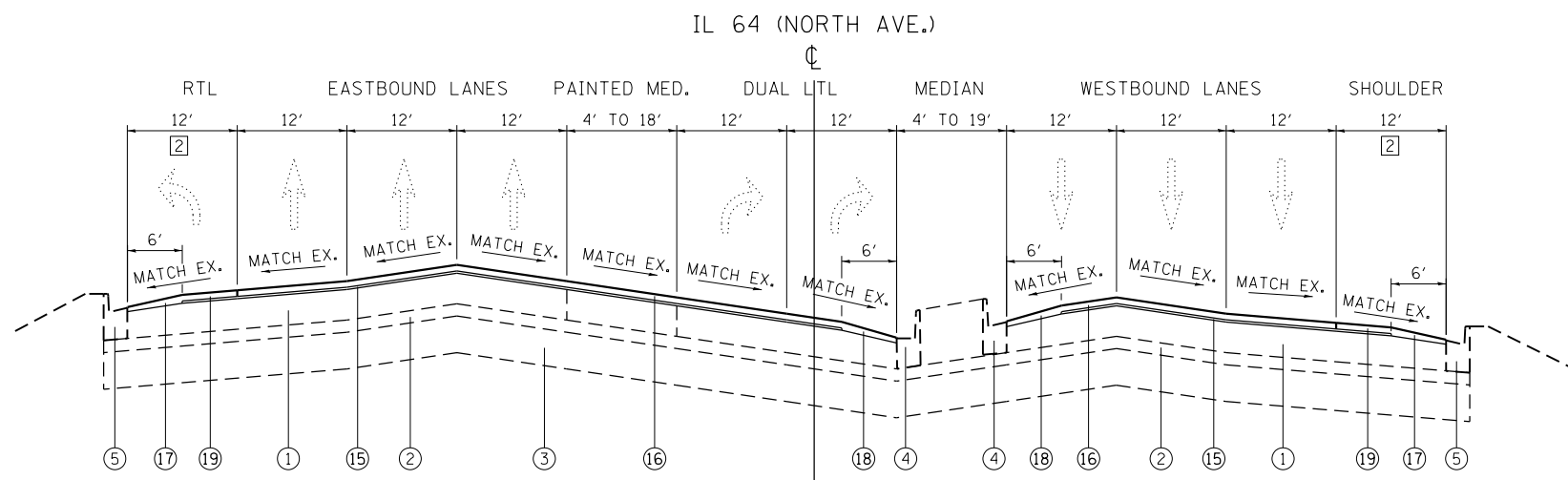
**LEGEND:**

1. EXISTING P.C.C PAVEMENT, ±10"
  2. EXISTING SUB-BASE, 4"
  3. EXISTING AGGREGATE SUBGRADE, 12"
  4. EXISTING COM. CONCRETE CURB & GUTTER, B-9.24
  5. EXISTING COM. CONCRETE CURB & GUTTER, B-6.24
  6. EXISTING CORRUGATED CONCRETE MEDIAN
  7. EXISTING CONCRETE MEDIAN TYPE SB-9.24 OR LANDSCAPING
  8. EXISTING HMA PAVEMENT, ±5"
  9. EXISTING P.C.C PAVEMENT, ±9"
  10. EXISTING HMA PAVEMENT AFTER MILLING, ±2 1/4"
  11. PROPOSED P.C.C. SURFACE REMOVAL (VAR. DEPTH), SEE DETAIL A AND DETAIL B
  12. PROPOSED P.C.C. SURFACE REMOVAL (VAR. DEPTH), SEE DETAIL C
  13. PROPOSED MEDIAN REMOVAL, PARTIAL DEPTH (TO MATCH ADJACENT EXISTING P.C.C. PAVEMENT SURFACE)
  14. PROPOSED HMA SURFACE REMOVAL, 2 3/4"
  15. PROPOSED POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 (3/4")
  16. PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 12.5, N80 (2")
  17. PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (2 3/4" TO 1 1/2")
  18. PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 12.5, N80 (2 3/4" TO 1 3/4"), SEE DETAIL C
  19. PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (2")
- LONGITUDINAL JOINT SEALANT SHALL BE PLACED OVER THE POLYMERIZED LEVELING BINDER BEING PAVED WHERE THE SURFACE JOINT WILL BE LOCATED



**EXISTING TYPICAL SECTION**

STA 16+45 TO STA 18+83  
 STA 68+00 TO STA 70+05  
 STA 122+160 TO STA 124+81  
 STA 173+44 TO STA 175+50  
 LOOKING EAST



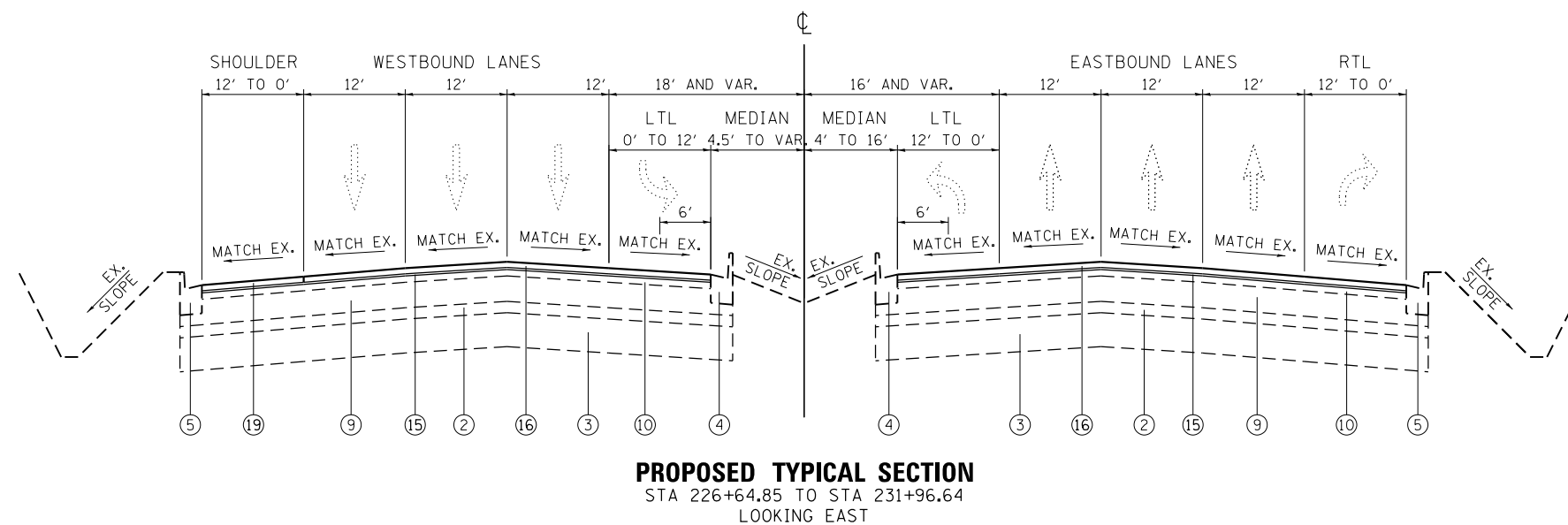
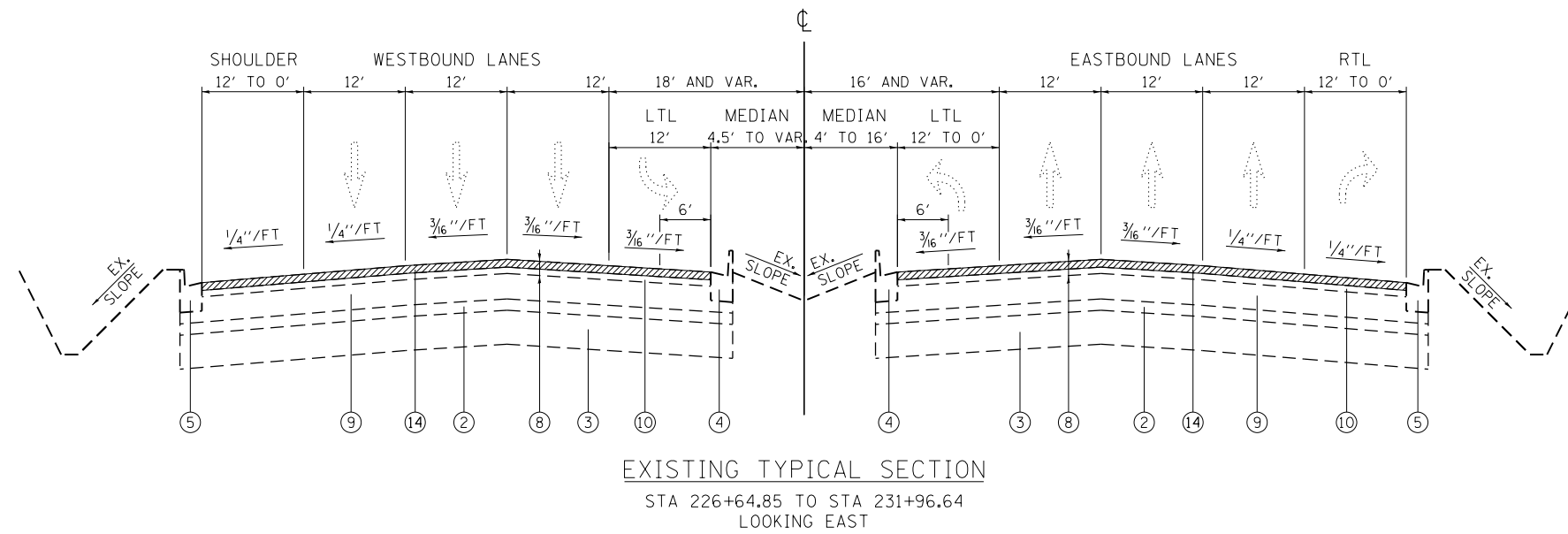
**PROPOSED TYPICAL SECTION**

STA 16+45 TO STA 18+83  
 STA 68+00 TO STA 70+05  
 STA 122+16 TO STA 124+81  
 STA 173+44 TO STA 175+50  
 LOOKING EAST

FILE NAME =	USER NAME = grouevmk	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>IL RTE. 64 (NORTH AVE.) - GARY AVE. TO IL RTE. 53 (ROHLWING RD.) TYPICAL SECTIONS</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
pw:\IL\084EBIDINTEG\Illinois.gov\PWIDOT\Documents\DOT Offices\District 1\Projects\DI01518\BRAW\Design\DI01518-sh4 - typical.dwg	PLotted SCALE = 100.0000' / in.	CHECKED -	REVISED -			307	(130 & 131)RS-4	DUPAGE	55	13	
Default	PLOT DATE = 8/17/2018	DATE -	REVISED -			CONTRACT NO. 62F57			ILLINOIS FED. AID PROJECT		
						SCALE:	SHEET	OF	SHEETS	STA.	TO

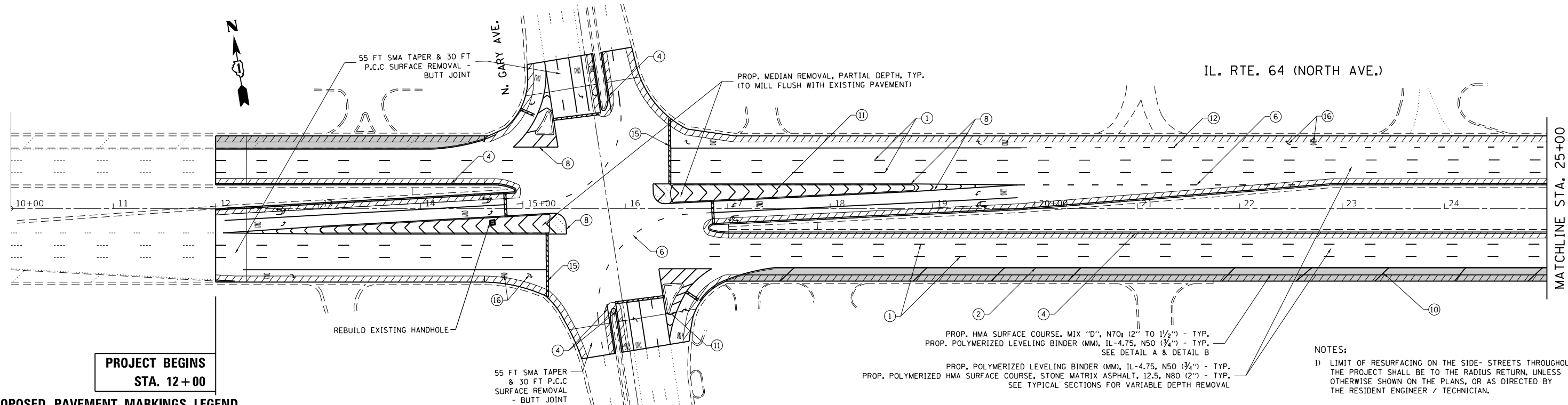
**LEGEND:**

1. EXISTING P.C.C PAVEMENT, ±10"
  2. EXISTING SUB-BASE, 4"
  3. EXISTING AGGREGATE SUBGRADE, 12"
  4. EXISTING COM. CONCRETE CURB & GUTTER, B-9.24
  5. EXISTING COM. CONCRETE CURB & GUTTER, B-6.24
  6. EXISTING CORRUGATED CONCRETE MEDIAN
  7. EXISTING CONCRETE MEDIAN TYPE SB-9.24 OR LANDSCAPING
  8. EXISTING HMA PAVEMENT, ±5"
  9. EXISTING P.C.C PAVEMENT, ±9"
  10. EXISTING HMA PAVEMENT AFTER MILLING, ±2 1/4"
  11. PROPOSED P.C.C. SURFACE REMOVAL (VAR. DEPTH), SEE DETAIL A AND DETAIL B
  12. PROPOSED P.C.C. SURFACE REMOVAL (VAR. DEPTH), SEE DETAIL C
  13. PROPOSED MEDIAN REMOVAL, PARTIAL DEPTH (TO MATCH ADJACENT EXISTING P.C.C. PAVEMENT SURFACE)
  14. PROPOSED HMA SURFACE REMOVAL, 2 3/4"
  15. PROPOSED POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 (3/4")
  16. PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 12.5, N80 (2")
  17. PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (2 3/4" TO 1 1/2")
  18. PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 12.5, N80 (2 3/4" TO 1 3/4"), SEE DETAIL C
  19. PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (2")
- LONGITUDINAL JOINT SEALANT SHALL BE PLACED OVER THE POLYMERIZED LEVELING BINDER BEING PAVED WHERE THE SURFACE JOINT WILL BE LOCATED



FILE NAME =	USER NAME = grouevmk	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>IL RTE. 64 (NORTH AVE.) - GARY AVE. TO IL RTE. 53 (ROHLWING RD.) TYPICAL SECTIONS</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
						307	(130 & 131)RS-4	DUPAGE	55	14	
						CONTRACT NO. 62F57					
						ILLINOIS FED. AID PROJECT					
Default	PLOT DATE = 8/17/2018	DATE -	REVISED -	SCALE:	SHEET OF SHEETS	STA.	TO STA.				

MUNICIPALITY	LOCATION	CORNER	20200100	21101615	25000400	25000500	25000600	25200110	25200200	42001300	42400200	42400800	44000600	44201765	60300105	60255500	85000200	89502376	Z0004562
			EARTH EXCAVATION CU YD	TOPSOIL FURNISH AND PLACE, 4" SQ YD	NITROGEN FERTILIZER NUTRIENT POUND	PHOSPHORUS FERTILIZER NUTRIENT POUND	POTASSIUM FERTILIZER NUTRIENT POUND	SODDING, SALT TOLERANT SQ YD	SUPPLEMENTAL WATERING UNIT	PROTECTIVE COAT SQ YD	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH SQ FT	DETECTABLE WARNINGS SQ FT	SIDEWALK REMOVAL SQ FT	CLASS D PATCHES, TYPE II, 10 INCH SQ YD	FRAMES AND GRATES TO BE ADJUSTED EACH	MANHOLES TO BE ADJUSTED EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION EACH	REBUILD EXISTING HANDHOLE EACH	COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT FOOT
GLENDALE HEIGHTS	IL 64 & PRESIDENT ST.	NE	1.0	6.6	0.1	0.1	0.1	6.6	0.1	18.5	99	8	102		1				26
	IL 64 & BLOOMINGDALE RD.	SE	1.8	11.7	0.1	0.1	0.1	11.7	0.1	27.9	176	20	183						29
		SW	1.6	7.9	0.1	0.1	0.1	7.9	0.1	20.4	119	10	161						25
	IL 64 & GLEN ELLYN/ MAIN	NW	1.8	11.0	0.1	0.1	0.1	11.0	0.1	26.9	165	22	182		1				30
		NE	1.1	5.3	0.1	0.1	0.1	5.3	0.1	13.7	79	10	107						17
		NE ISLAND	2.6							42.3	264	30	264						45
		SE	1.5	9.3	0.1	0.1	0.1	9.3	0.1	24.3	139	24	149	14					31
		SW	1.7	10.9	0.1	0.1	0.1	10.9	0.1	24.8	164	10	170						23
LOMBARD	IL 64 & SWIFT RD.	SW ISLAND	2.3						40.3	226	30	226	8					1	53
		NE	1.7	11.1	0.1	0.1	0.1	11.1	0.1	24.6	167	10	187					1	21
		NE ISLAND	1.1							28.7	114	20	114					1	56
<b>TOTAL =</b>			<b>19</b>	<b>74</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>74</b>	<b>1</b>	<b>293</b>	<b>1,713</b>	<b>194</b>	<b>1,846</b>	<b>22</b>	<b>1</b>	<b>1</b>	<b>2</b>	<b>2</b>	<b>356</b>



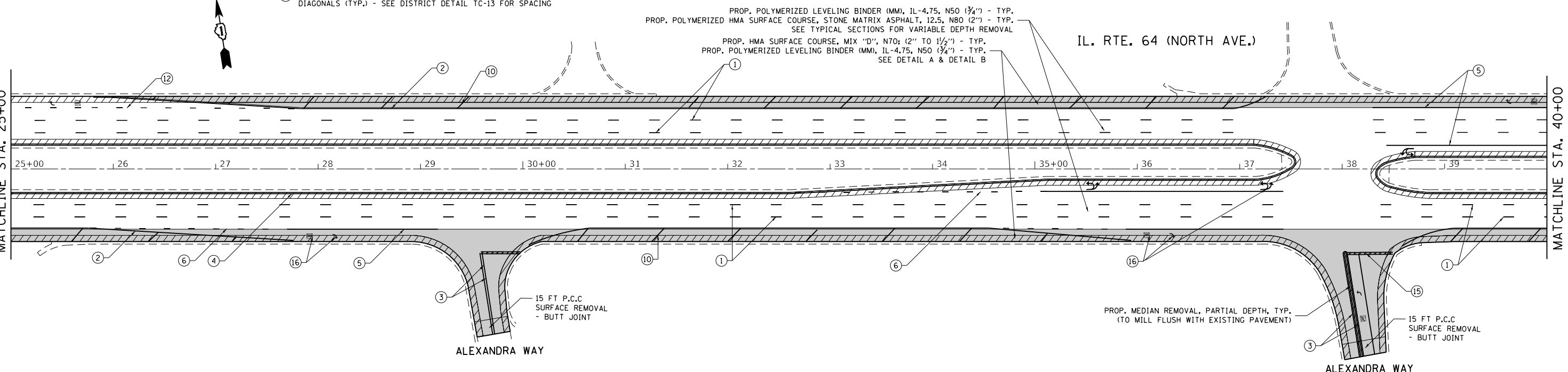
**PROJECT BEGINS  
STA. 12+00**

**PROPOSED PAVEMENT MARKINGS LEGEND**

- ① THERMOPLASTIC PVMT. MARKING LINE 4", SKIP-DASH, WHITE, 10' LINE WITH 30' SPACE - LANE LINES (TYP.)
- ② THERMOPLASTIC PVMT. MARKING LINE 4", SOLID, WHITE, EDGE LINES (TYP.)
- ③ THERMOPLASTIC PVMT. MARKING LINE 4", SOLID, YELLOW, 2 @ 4", 11" C-C - CENTERLINE (TYP.)
- ④ THERMOPLASTIC PVMT. MARKING LINE 4", SOLID, YELLOW - EDGE LINES (TYP.)
- ⑤ THERMOPLASTIC PVMT. MARKING LINE 6", SOLID, WHITE - TURN LANE MARKINGS (TYP.)
- ⑥ THERMOPLASTIC PVMT. MARKING LINE 6", SKIP-DASH, WHITE, 2' LINE WITH 6' SPACE - DOTTED LINES (TYP.)
- ⑦ THERMOPLASTIC PVMT. MARKING LINE 6", SOLID, WHITE, 2 @ 6" - CROSSWALK LINES (PEDESTRIAN) (TYP.)
- ⑧ THERMOPLASTIC PVMT. MARKING LINE 8", SOLID, WHITE - GORE MARKING AND CHANNELIZING LINES (TYP.)
- ⑨ THERMOPLASTIC PVMT. MARKING LINE 8", SKIP-DASH, WHITE, 2' LINE WITH 6' SPACE - DOTTED LINES (TYP.)
- ⑩ THERMOPLASTIC PVMT. MARKING LINE 12", SOLID, WHITE - SHOULDER DIAGONALS (TYP.) (SEE DISTRICT DETAIL TC-13 FOR SPACING)
- ⑪ THERMOPLASTIC PVMT. MARKING LINE 12", SOLID, CHEVRON WHITE - GORE DIAGONALS (TYP.) - SEE DISTRICT DETAIL TC-13 FOR SPACING
- ⑫ THERMOPLASTIC PVMT. MARKING LINE 6", SKIP-DASH, WHITE, 3' LINE WITH 9' SPACE - DOTTED LINES (TYP.)
- ⑬ THERMOPLASTIC PVMT. MARKING LINE 12", SOLID, WHITE - CROSSWALK, LONGITUDINAL BARS (SCHOOL) (TYP.) - SEE DISTRICT DETAIL TC-13 FOR SPACING
- ⑭ THERMOPLASTIC PVMT. MARKING LINE 12", SOLID, YELLOW -PAINTED MEDIAN DIAGONALS (TYP.) - SEE DISTRICT DETAIL TC-13 FOR SPACING
- ⑮ THERMOPLASTIC PVMT. MARKING LINE 24", SOLID, WHITE - STOP LINES (TYP.)
- ⑯ THERMOPLASTIC PVMT. MARKING LETTERS & SYMBOLS, 8", SOLID, WHITE - TURN LANE MARKINGS (TYP.)

- LEGEND**
- ▒ - PROP. HMA SURFACE COURSE, MIX "D", N70; (2" TO 1 1/2") - TYP.
  - ▒ - PROP. POLYMERIZED LEVELING BINDER (MM), IL-4.75, N50 (3/4") - TYP. - SEE DETAIL A & DETAIL B
  - ▒ - EDGE MILL 6' FROM EOP, PCC SURFACE REMOVAL VARIOUS DEPTH - TYP.

- 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 (OF THE EXTRUDED TYPE).
  - 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.
  - 5) FOR PROPOSED CURB RAMP IMPROVEMENTS, SEE "ADA RAMP DETAILS".



USER NAME = grouevmk	DESIGNED -	REVISED -
PLOT SCALE = 100,0000' / in.	DRAWN -	REVISED -
PLOT DATE = 8/16/2018	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>IL RTE. 64 (NORTH AVE.) - GARY AVE. TO IL RTE. 53 (ROHLWING RD.) ROADWAY AND PAVEMENT MARKING PLAN</b>	
SCALE: 1"=50'	SHEET OF SHEETS STA. 14+62.5 TO STA. 40+00

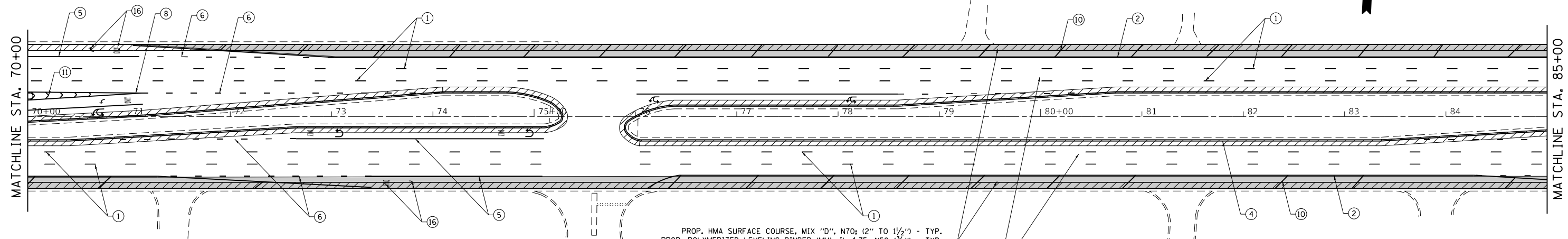
F.A.P. RTE. 307	SECTION (130 & 131)RS-4	COUNTY DUPAGE	TOTAL SHEETS 55	SHEET NO. 16
CONTRACT NO. 62F57				
ILLINOIS FED. AID PROJECT				

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IL. RTE. 64 (NORTH AVE.)



PROPOSED PAVEMENT MARKINGS LEGEND

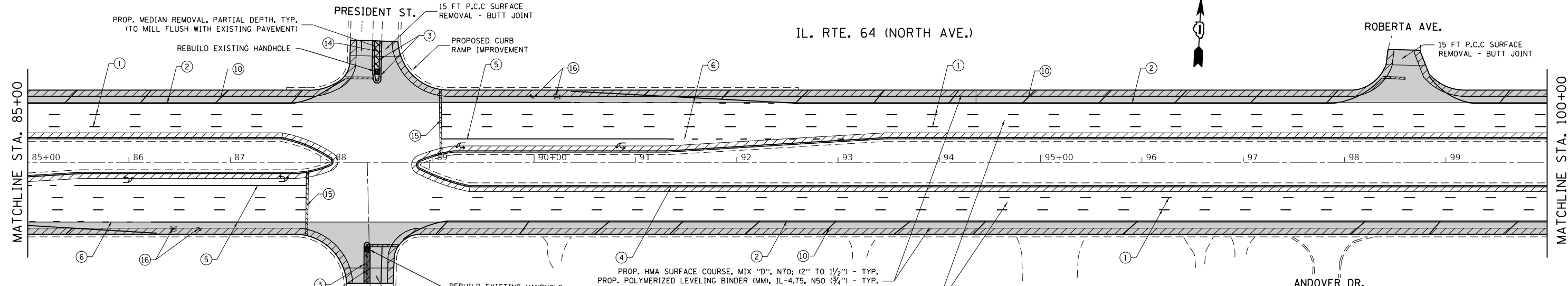
- ① THERMOPLASTIC PVMT. MARKING LINE 4", SKIP-DASH, WHITE, 10' LINE WITH 30' SPACE - LANE LINES (TYP.)
- ② THERMOPLASTIC PVMT. MARKING LINE 4", SOLID, WHITE, EDGE LINES (TYP.)
- ③ THERMOPLASTIC PVMT. MARKING LINE 4", SOLID, YELLOW, 2 @ 4", 11" C-C - CENTERLINE (TYP.)
- ④ THERMOPLASTIC PVMT. MARKING LINE 4", SOLID, YELLOW - EDGE LINES (TYP.)
- ⑤ THERMOPLASTIC PVMT. MARKING LINE 6", SOLID, WHITE - TURN LANE MARKINGS (TYP.)
- ⑥ THERMOPLASTIC PVMT. MARKING LINE 6", SKIP-DASH, WHITE, 2' LINE WITH 6' SPACE - DOTTED LINES (TYP.)
- ⑦ THERMOPLASTIC PVMT. MARKING LINE 6", SOLID, WHITE, 2 @ 6" - CROSSWALK LINES (PEDESTRIAN) (TYP.)
- ⑧ THERMOPLASTIC PVMT. MARKING LINE 8", SOLID, WHITE - GORE MARKING AND CHANNELIZING LINES (TYP.)
- ⑨ THERMOPLASTIC PVMT. MARKING LINE 8", SKIP-DASH, WHITE, 2' LINE WITH 6' SPACE - DOTTED LINES (TYP.)
- ⑩ THERMOPLASTIC PVMT. MARKING LINE 12", SOLID, WHITE - SHOULDER DIAGONALS (TYP.) (SEE DISTRICT DETAIL TC-13 FOR SPACING)
- ⑪ THERMOPLASTIC PVMT. MARKING LINE 12", SOLID, CHEVRON WHITE - GORE DIAGONALS (TYP.) - SEE DISTRICT DETAIL TC-13 FOR SPACING
- ⑫ THERMOPLASTIC PVMT. MARKING LINE 6", SKIP-DASH, WHITE, 3' LINE WITH 9' SPACE - DOTTED LINES (TYP.)
- ⑬ THERMOPLASTIC PVMT. MARKING LINE 12", SOLID, WHITE - CROSSWALK, LONGITUDINAL BARS (SCHOOL) (TYP.) - SEE DISTRICT DETAIL TC-13 FOR SPACING
- ⑭ THERMOPLASTIC PVMT. MARKING LINE 12", SOLID, YELLOW -PAINTED MEDIAN DIAGONALS (TYP.) - SEE DISTRICT DETAIL TC-13 FOR SPACING
- ⑮ THERMOPLASTIC PVMT. MARKING LINE 24", SOLID, WHITE - STOP LINES (TYP.)
- ⑯ THERMOPLASTIC PVMT. MARKING LETTERS & SYMBOLS, 8', SOLID, WHITE - TURN LANE MARKINGS (TYP.)

LEGEND

- PROP. HMA SURFACE COURSE, MIX "D", N70; (2" TO 1 1/2" ) - TYP.
- PROP. POLYMERIZED LEVELING BINDER (MM), IL-4.75, N50 (3/4" ) - TYP. - SEE DETAIL A & DETAIL B
- EDGE MILL 6' FROM EOP, PCC SURFACE REMOVAL VARIOUS DEPTH - TYP.

- 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 (OF THE EXTRUDED TYPE).
  - 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.
  - 5) FOR PROPOSED CURB RAMP IMPROVEMENTS, SEE "ADA RAMP DETAILS".

IL. RTE. 64 (NORTH AVE.)



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USER NAME = grouevmk	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100,0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 8/16/2018	DATE -	REVISED -

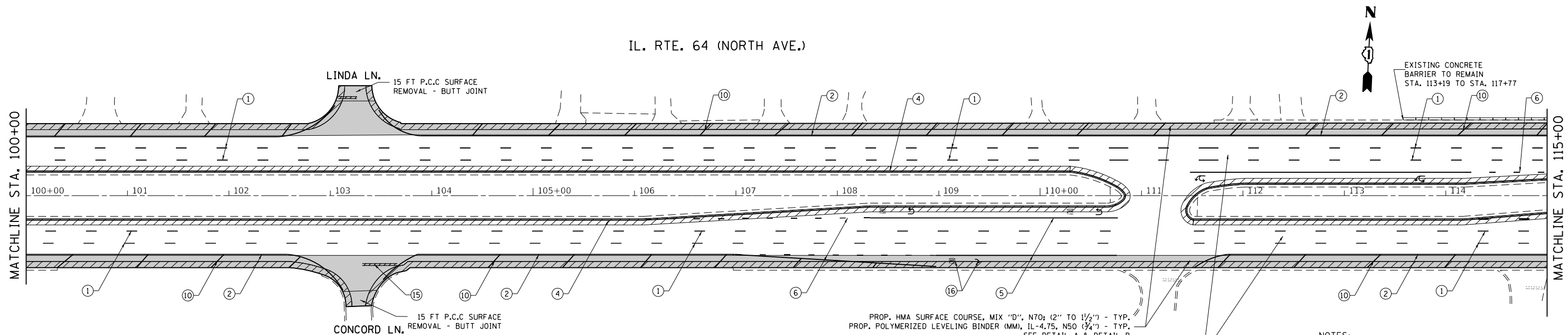
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

IL RTE. 64 (NORTH AVE.) - GARY AVE. TO IL RTE. 53 (ROHLWING RD.)  
ROADWAY AND PAVEMENT MARKING PLAN

SCALE: 1"=50' SHEET OF SHEETS STA. 70+00 TO STA. 100+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	(130 & 131)RS-4	DUPAGE	55	18
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62F57	

IL. RTE. 64 (NORTH AVE.)



**PROPOSED PAVEMENT MARKINGS LEGEND**

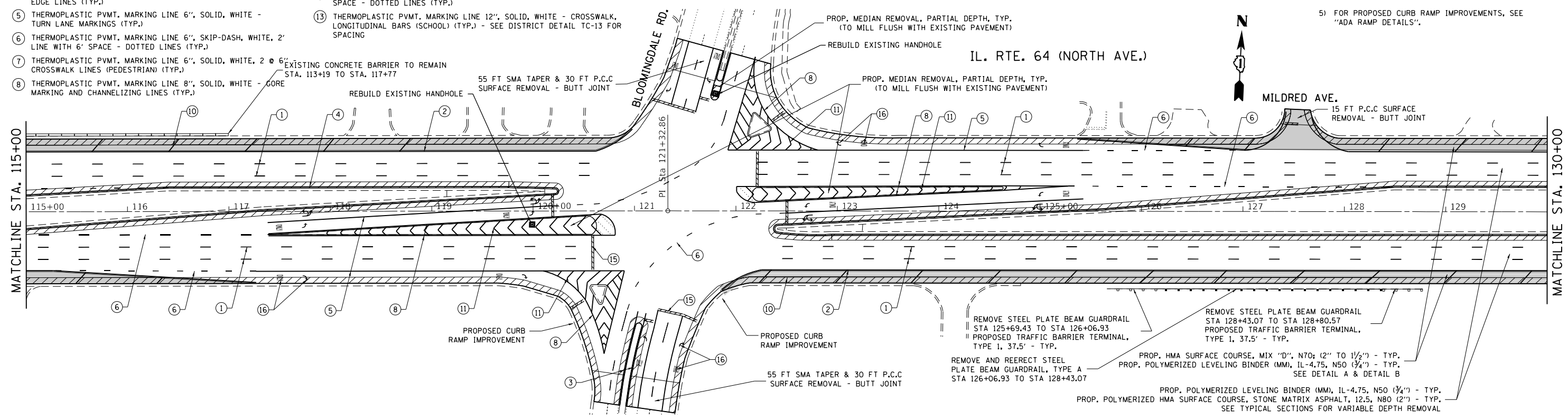
- ① THERMOPLASTIC PVMT. MARKING LINE 4", SKIP-DASH, WHITE, 10' LINE WITH 30' SPACE - LANE LINES (TYP.)
- ② THERMOPLASTIC PVMT. MARKING LINE 4", SOLID, WHITE, EDGE LINES (TYP.)
- ③ THERMOPLASTIC PVMT. MARKING LINE 4", SOLID, YELLOW, 2 @ 4", 11" C-C - CENTERLINE (TYP.)
- ④ THERMOPLASTIC PVMT. MARKING LINE 4", SOLID, YELLOW - EDGE LINES (TYP.)
- ⑤ THERMOPLASTIC PVMT. MARKING LINE 6", SOLID, WHITE - TURN LANE MARKINGS (TYP.)
- ⑥ THERMOPLASTIC PVMT. MARKING LINE 6", SKIP-DASH, WHITE, 2' LINE WITH 6' SPACE - DOTTED LINES (TYP.)
- ⑦ THERMOPLASTIC PVMT. MARKING LINE 6", SOLID, WHITE, 2 @ 6" CROSSWALK LINES (PEDESTRIAN) (TYP.)
- ⑧ THERMOPLASTIC PVMT. MARKING LINE 8", SOLID, WHITE - GORE MARKING AND CHANNELIZING LINES (TYP.)
- ⑨ THERMOPLASTIC PVMT. MARKING LINE 8", SKIP-DASH, WHITE, 2' LINE WITH 6' SPACE - DOTTED LINES (TYP.)
- ⑩ THERMOPLASTIC PVMT. MARKING LINE 12", SOLID, WHITE - SHOULDER DIAGONALS (TYP.) (SEE DISTRICT DETAIL TC-13 FOR SPACING)
- ⑪ THERMOPLASTIC PVMT. MARKING LINE 12", SOLID, CHEVRON WHITE - GORE DIAGONALS (TYP.) - SEE DISTRICT DETAIL TC-13 FOR SPACING
- ⑫ THERMOPLASTIC PVMT. MARKING LINE 6", SKIP-DASH, WHITE, 3' LINE WITH 9' SPACE - DOTTED LINES (TYP.)
- ⑬ THERMOPLASTIC PVMT. MARKING LINE 12", SOLID, WHITE - CROSSWALK, LONGITUDINAL BARS (SCHOOL) (TYP.) - SEE DISTRICT DETAIL TC-13 FOR SPACING

- ⑭ THERMOPLASTIC PVMT. MARKING LINE 12", SOLID, YELLOW -PAINTED MEDIAN DIAGONALS (TYP.) - SEE DISTRICT DETAIL TC-13 FOR SPACING
- ⑮ THERMOPLASTIC PVMT. MARKING LINE 24", SOLID, WHITE - STOP LINES (TYP.)
- ⑯ THERMOPLASTIC PVMT. MARKING LETTERS & SYMBOLS, 8", SOLID, WHITE - TURN LANE MARKINGS (TYP.)

**LEGEND**

- - PROP. HMA SURFACE COURSE, MIX "D", N70; (2" TO 1 1/2") - TYP.
- - PROP. POLYMERIZED LEVELING BINDER (MM), IL-4.75, N50 (3/4") - TYP. - SEE DETAIL A & DETAIL B
- ▨ - EDGE MILL 6' FROM EOP, PCC SURFACE REMOVAL VARIOUS DEPTH - TYP.

- NOTES:**
- 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.
  - ALL FINAL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC PAVEMENT MARKINGS (OF THE EXTRUDED TYPE).
  - ALL FINAL PAVEMENT MARKINGS SHALL BE PLACED IN ACCORDANCE WITH TC-11 "DISTRICT ONE TYPICAL PAVEMENT MARKINGS" STANDARD DETAIL.
  - ALL RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED IN ACCORDANCE WITH TC-11 "TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)" STANDARD DETAIL.
  - FOR PROPOSED CURB RAMP IMPROVEMENTS, SEE "ADA RAMP DETAILS".



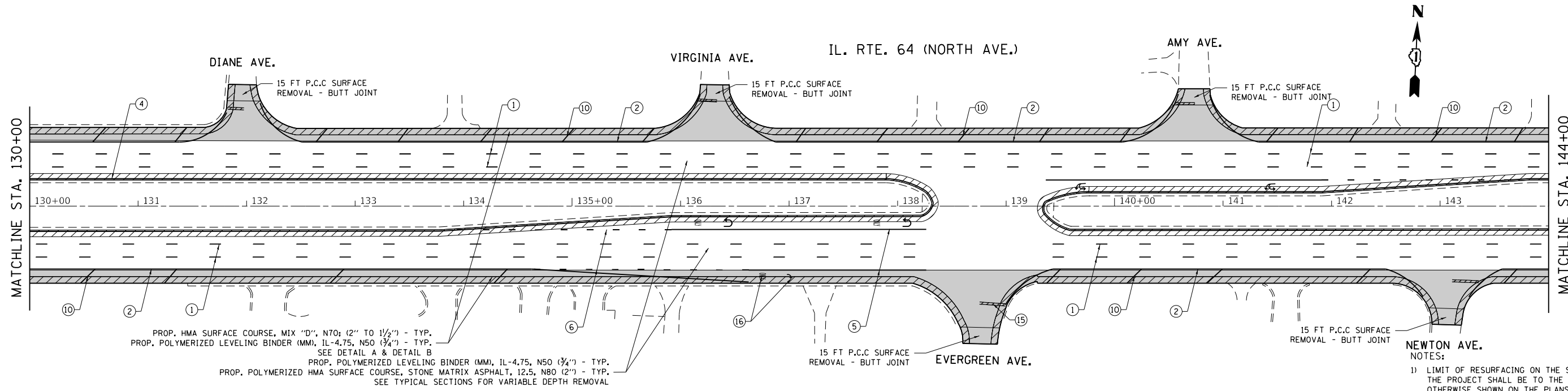
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USER NAME = grouevmk	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 8/16/2018	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

IL RTE. 64 (NORTH AVE.) - GARY AVE. TO IL RTE. 53 (ROHLWING RD.)  
ROADWAY AND PAVEMENT MARKING PLAN  
SCALE: 1"=50'

F.A.P. RTE. 307	SECTION (130 & 131)RS-4	COUNTY DUPAGE	TOTAL SHEETS 55	SHEET NO. 19
CONTRACT NO. 62F57				ILLINOIS FED. AID PROJECT



PROP. HMA SURFACE COURSE, MIX "D", N70; (2" TO 1 1/2") - TYP.  
 PROP. POLYMERIZED LEVELING BINDER (MM), IL-4.75, N50 (3/4") - TYP.  
 SEE DETAIL A & DETAIL B  
 PROP. POLYMERIZED LEVELING BINDER (MM), IL-4.75, N50 (3/4") - TYP.  
 PROP. POLYMERIZED HMA SURFACE COURSE, STONE MATRIX ASPHALT, 12.5, N80 (2") - TYP.  
 SEE TYPICAL SECTIONS FOR VARIABLE DEPTH REMOVAL

**PROPOSED PAVEMENT MARKINGS LEGEND**

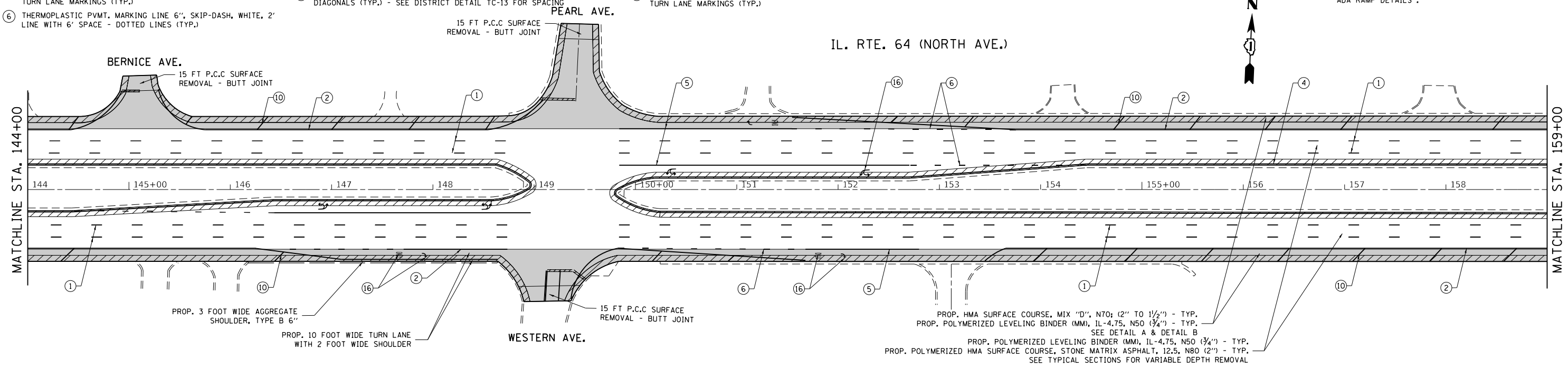
- ① THERMOPLASTIC PVMT. MARKING LINE 4", SKIP-DASH, WHITE, 10' LINE WITH 30' SPACE - LANE LINES (TYP.)
- ② THERMOPLASTIC PVMT. MARKING LINE 4", SOLID, WHITE, EDGE LINES (TYP.)
- ③ THERMOPLASTIC PVMT. MARKING LINE 4", SOLID, YELLOW, 2 @ 4", 11" C-C - CENTERLINE (TYP.)
- ④ THERMOPLASTIC PVMT. MARKING LINE 4", SOLID, YELLOW - EDGE LINES (TYP.)
- ⑤ THERMOPLASTIC PVMT. MARKING LINE 6", SOLID, WHITE - TURN LANE MARKINGS (TYP.)
- ⑥ THERMOPLASTIC PVMT. MARKING LINE 6", SKIP-DASH, WHITE, 2' LINE WITH 6" SPACE - DOTTED LINES (TYP.)
- ⑦ THERMOPLASTIC PVMT. MARKING LINE 6", SOLID, WHITE, 2 @ 6" - CROSSWALK LINES (PEDESTRIAN) (TYP.)
- ⑧ THERMOPLASTIC PVMT. MARKING LINE 8", SOLID, WHITE - GORE MARKING AND CHANNELIZING LINES (TYP.)
- ⑨ THERMOPLASTIC PVMT. MARKING LINE 8", SKIP-DASH, WHITE, 2' LINE WITH 6" SPACE - DOTTED LINES (TYP.)
- ⑩ THERMOPLASTIC PVMT. MARKING LINE 12", SOLID, WHITE - SHOULDER DIAGONALS (TYP.) (SEE DISTRICT DETAIL TC-13 FOR SPACING)
- ⑪ THERMOPLASTIC PVMT. MARKING LINE 12", SOLID, CHEVRON WHITE - GORE DIAGONALS (TYP.) - SEE DISTRICT DETAIL TC-13 FOR SPACING
- ⑫ THERMOPLASTIC PVMT. MARKING LINE 6", SKIP-DASH, WHITE, 3' LINE WITH 9' SPACE - DOTTED LINES (TYP.)
- ⑬ THERMOPLASTIC PVMT. MARKING LINE 12", SOLID, WHITE - CROSSWALK, LONGITUDINAL BARS (SCHOOL) (TYP.) - SEE DISTRICT DETAIL TC-13 FOR SPACING
- ⑭ THERMOPLASTIC PVMT. MARKING LINE 12", SOLID, YELLOW -PAINTED MEDIAN DIAGONALS (TYP.) - SEE DISTRICT DETAIL TC-13 FOR SPACING
- ⑮ THERMOPLASTIC PVMT. MARKING LINE 24", SOLID, WHITE - STOP LINES (TYP.)
- ⑯ THERMOPLASTIC PVMT. MARKING LETTERS & SYMBOLS, 8", SOLID, WHITE - TURN LANE MARKINGS (TYP.)

**LEGEND**

- - PROP. HMA SURFACE COURSE, MIX "D", N70; (2" TO 1 1/2") - TYP.
- - PROP. POLYMERIZED LEVELING BINDER (MM), IL-4.75, N50 (3/4") - TYP. - SEE DETAIL A & DETAIL B
- ▨ - EDGE MILL 6' FROM EOP, PCC SURFACE REMOVAL VARIOUS DEPTH - TYP.

**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 (OF THE EXTRUDED TYPE).
- 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.
- 5) FOR PROPOSED CURB RAMP IMPROVEMENTS, SEE "ADA RAMP DETAILS".



PROP. 3 FOOT WIDE AGGREGATE SHOULDER, TYPE B 6"  
 PROP. 10 FOOT WIDE TURN LANE WITH 2 FOOT WIDE SHOULDER

PROP. HMA SURFACE COURSE, MIX "D", N70; (2" TO 1 1/2") - TYP.  
 PROP. POLYMERIZED LEVELING BINDER (MM), IL-4.75, N50 (3/4") - TYP.  
 SEE DETAIL A & DETAIL B  
 PROP. POLYMERIZED LEVELING BINDER (MM), IL-4.75, N50 (3/4") - TYP.  
 PROP. POLYMERIZED HMA SURFACE COURSE, STONE MATRIX ASPHALT, 12.5, N80 (2") - TYP.  
 SEE TYPICAL SECTIONS FOR VARIABLE DEPTH REMOVAL

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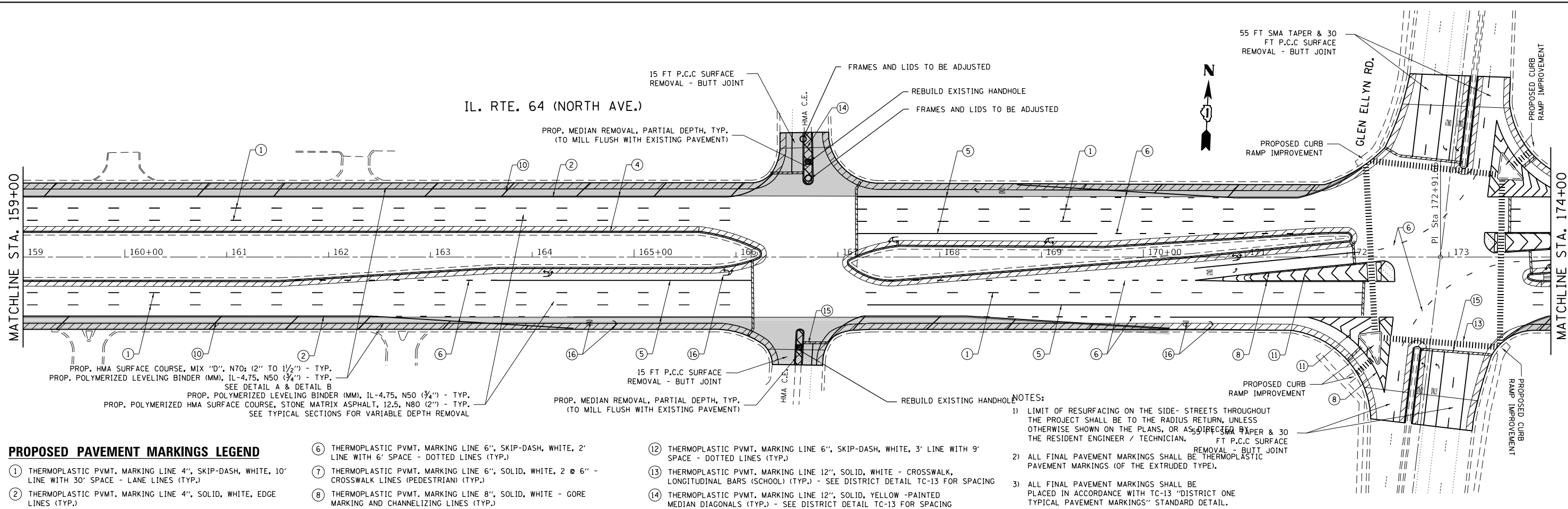
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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**IL RTE. 64 (NORTH AVE.) - GARY AVE. TO IL RTE. 53 (ROHLWING RD.)  
 ROADWAY AND PAVEMENT MARKING PLAN**

SCALE: SHEET OF SHEETS STA. 130+00 TO STA. 159+00

F.A.P. RTE. 307	SECTION (130 & 131)RS-4	COUNTY DUPAGE	TOTAL SHEETS 55	SHEET NO. 20
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62F57	



**PROPOSED PAVEMENT MARKINGS LEGEND**

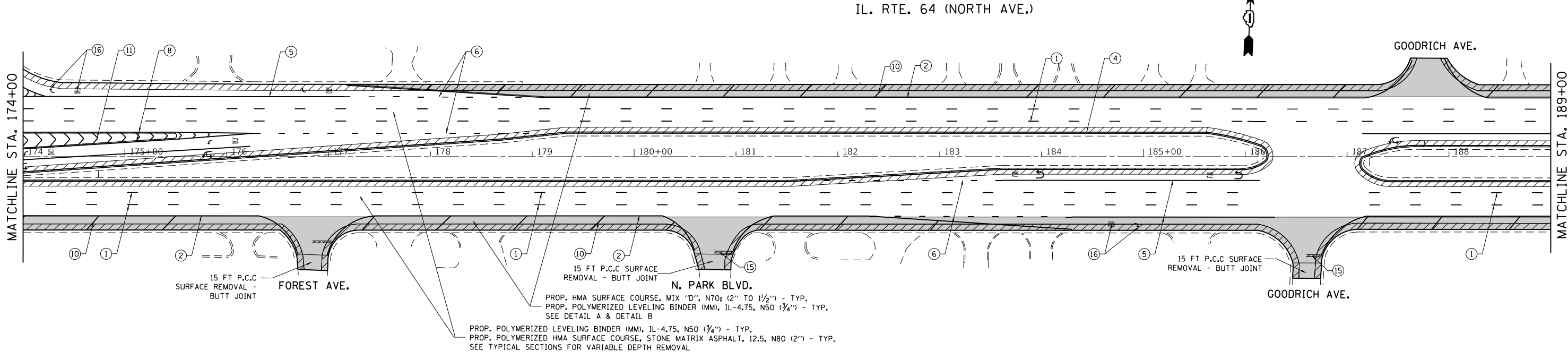
- ① THERMOPLASTIC PVMT. MARKING LINE 4", SKIP-DASH, WHITE, 10' LINE WITH 30' SPACE - LANE LINES (TYP.)
- ② THERMOPLASTIC PVMT. MARKING LINE 4", SOLID, WHITE, EDGE LINES (TYP.)
- ③ THERMOPLASTIC PVMT. MARKING LINE 4", SOLID, YELLOW, 2 @ 4", 11" C-C - CENTERLINE (TYP.)
- ④ THERMOPLASTIC PVMT. MARKING LINE 4", SOLID, YELLOW - EDGE LINES (TYP.)
- ⑤ THERMOPLASTIC PVMT. MARKING LINE 6", SOLID, WHITE - TURN LANE MARKINGS (TYP.)
- ⑥ THERMOPLASTIC PVMT. MARKING LINE 6", SKIP-DASH, WHITE, 2' LINE WITH 6' SPACE - DOTTED LINES (TYP.)
- ⑦ THERMOPLASTIC PVMT. MARKING LINE 6", SOLID, WHITE, 2 @ 6" - CROSSWALK LINES (PEDESTRIAN) (TYP.)
- ⑧ THERMOPLASTIC PVMT. MARKING LINE 8", SOLID, WHITE - GORE MARKING AND CHANNELIZING LINES (TYP.)
- ⑨ THERMOPLASTIC PVMT. MARKING LINE 8", SKIP-DASH, WHITE, 2' LINE WITH 6' SPACE - DOTTED LINES (TYP.)
- ⑩ THERMOPLASTIC PVMT. MARKING LINE 12", SOLID, WHITE - SHOULDER DIAGONALS (TYP.) (SEE DISTRICT DETAIL TC-13 FOR SPACING)
- ⑪ THERMOPLASTIC PVMT. MARKING LINE 12", SOLID, CHEVRON WHITE - GORE DIAGONALS (TYP.) - SEE DISTRICT DETAIL TC-13 FOR SPACING

- ⑫ THERMOPLASTIC PVMT. MARKING LINE 6", SKIP-DASH, WHITE, 3' LINE WITH 9' SPACE - DOTTED LINES (TYP.)
- ⑬ THERMOPLASTIC PVMT. MARKING LINE 12", SOLID, WHITE - CROSSWALK, LONGITUDINAL BARS (SCHOOL) (TYP.) - SEE DISTRICT DETAIL TC-13 FOR SPACING
- ⑭ THERMOPLASTIC PVMT. MARKING LINE 12", SOLID, YELLOW -PAINTED MEDIAN DIAGONALS (TYP.) - SEE DISTRICT DETAIL TC-13 FOR SPACING
- ⑮ THERMOPLASTIC PVMT. MARKING LINE 24", SOLID, WHITE - STOP LINES (TYP.)
- ⑯ THERMOPLASTIC PVMT. MARKING LETTERS & SYMBOLS, 8", SOLID, WHITE - TURN LANE MARKINGS (TYP.)

- 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 & 30 FT P.C.C SURFACE REMOVAL - BUTT JOINT THE RESIDENT ENGINEER / TECHNICIAN.
  - 2) ALL FINAL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC PAVEMENT MARKINGS (OF THE EXTRUDED TYPE).
  - 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.
  - 5) FOR PROPOSED CURB RAMP IMPROVEMENTS, SEE "ADA RAMP DETAILS".

**LEGEND**

- - PROP. HMA SURFACE COURSE, MIX "D", N70; (2" TO 1 1/2") - TYP.
- - PROP. POLYMERIZED LEVELING BINDER (MM), IL-4.75, N50 (3/4") - TYP.
- - SEE DETAIL A & DETAIL B
- ▨ - EDGE MILL 6' FROM EOP, PCC SURFACE REMOVAL VARIOUS DEPTH - TYP.



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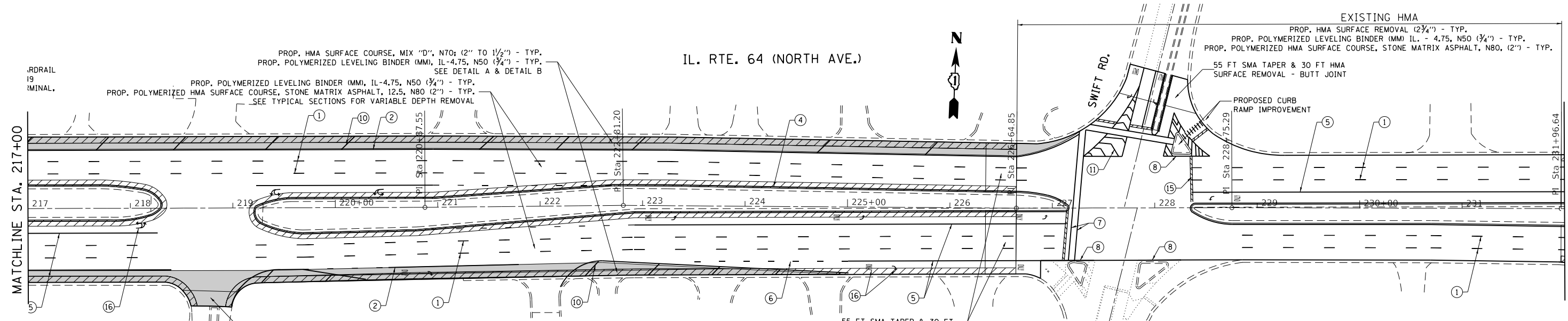
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IL RTE. 64 (NORTH AVE.) - GARY AVE. TO IL RTE. 53 (ROHLWING RD.)  
ROADWAY AND PAVEMENT MARKING PLAN**

SCALE: 1"=50'    SHEET    OF    SHEETS    STA. 159+00    TO STA. 189+00

F.A.P. RTE. 307	SECTION (130 & 131)RS-4	COUNTY DUPAGE	TOTAL SHEETS 55	SHEET NO. 21
CONTRACT NO. 62F57				ILLINOIS FED. AID PROJECT





**PROPOSED PAVEMENT MARKINGS LEGEND**

- ① THERMOPLASTIC PVMT. MARKING LINE 4", SKIP-DASH, WHITE, 10' LINE WITH 30' SPACE - LANE LINES (TYP.)
- ② THERMOPLASTIC PVMT. MARKING LINE 4", SOLID, WHITE, EDGE LINES (TYP.)
- ③ THERMOPLASTIC PVMT. MARKING LINE 4", SOLID, YELLOW, 2 @ 4", 11" C-C - CENTERLINE (TYP.)
- ④ THERMOPLASTIC PVMT. MARKING LINE 4", SOLID, YELLOW - EDGE LINES (TYP.)
- ⑤ THERMOPLASTIC PVMT. MARKING LINE 6", SOLID, WHITE - TURN LANE MARKINGS (TYP.)
- ⑥ THERMOPLASTIC PVMT. MARKING LINE 6", SKIP-DASH, WHITE, 2' LINE WITH 6' SPACE - DOTTED LINES (TYP.)
- ⑦ THERMOPLASTIC PVMT. MARKING LINE 6", SOLID, WHITE, 2 @ 6" - CROSSWALK LINES (PEDESTRIAN) (TYP.)
- ⑧ THERMOPLASTIC PVMT. MARKING LINE 8", SOLID, WHITE - GORE MARKING AND CHANNELIZING LINES (TYP.)

- ⑨ THERMOPLASTIC PVMT. MARKING LINE 8", SKIP-DASH, WHITE, 2' LINE WITH 6' SPACE - DOTTED LINES (TYP.)
- ⑩ THERMOPLASTIC PVMT. MARKING LINE 12", SOLID, WHITE - SHOULDER DIAGONALS (TYP.) (SEE DISTRICT DETAIL TC-13 FOR SPACING)
- ⑪ THERMOPLASTIC PVMT. MARKING LINE 12", SOLID, CHEVRON WHITE - GORE DIAGONALS (TYP.) - SEE DISTRICT DETAIL TC-13 FOR SPACING
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- ⑬ THERMOPLASTIC PVMT. MARKING LINE 12", SOLID, WHITE - CROSSWALK, LONGITUDINAL BARS (SCHOOL) (TYP.) - SEE DISTRICT DETAIL TC-13 FOR SPACING
- ⑭ THERMOPLASTIC PVMT. MARKING LINE 12", SOLID, YELLOW - PAINTED MEDIAN DIAGONALS (TYP.) - SEE DISTRICT DETAIL TC-13 FOR SPACING
- ⑮ THERMOPLASTIC PVMT. MARKING LINE 24", SOLID, WHITE - STOP LINES (TYP.)

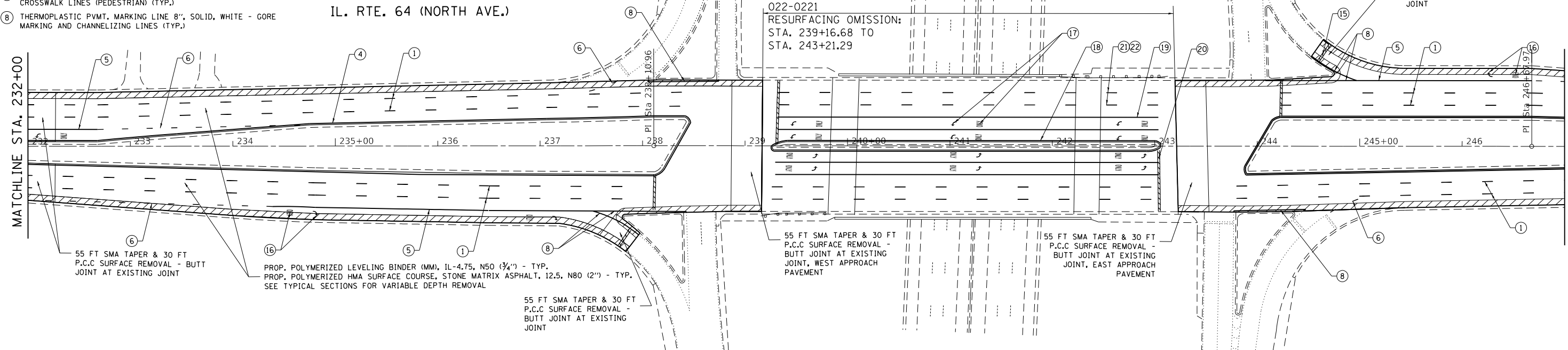
- ⑯ THERMOPLASTIC PVMT. MARKING LETTERS & SYMBOLS, 8", SOLID, WHITE - TURN LANE MARKINGS (TYP.)
- ⑰ MODIFIED URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS
- ⑱ MODIFIED URETHANE PAVEMENT MARKING - LINE 4"
- ⑲ MODIFIED URETHANE PAVEMENT MARKING - LINE 6"
- ⑳ MODIFIED URETHANE PAVEMENT MARKING - LINE 24"
- ㉑ PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LINE 7"
- ㉒ GROOVING FOR RECESSED PAVEMENT MARKING 5"

- PROP. HMA SURFACE COURSE, MIX "D", N70; (2" TO 1 1/2") - TYP.  
 - PROP. POLYMERIZED LEVELING BINDER (MM), IL-4.75, N50 (3/4") - TYP.  
 - SEE DETAIL A & DETAIL B

**LEGEND**

- EDGE MILL 6' FROM EOP, PCC SURFACE REMOVAL VARIOUS DEPTH - TYP.

- NOTES:**
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  - FOR PROPOSED CURB RAMP IMPROVEMENTS, SEE "ADA RAMP DETAILS".



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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

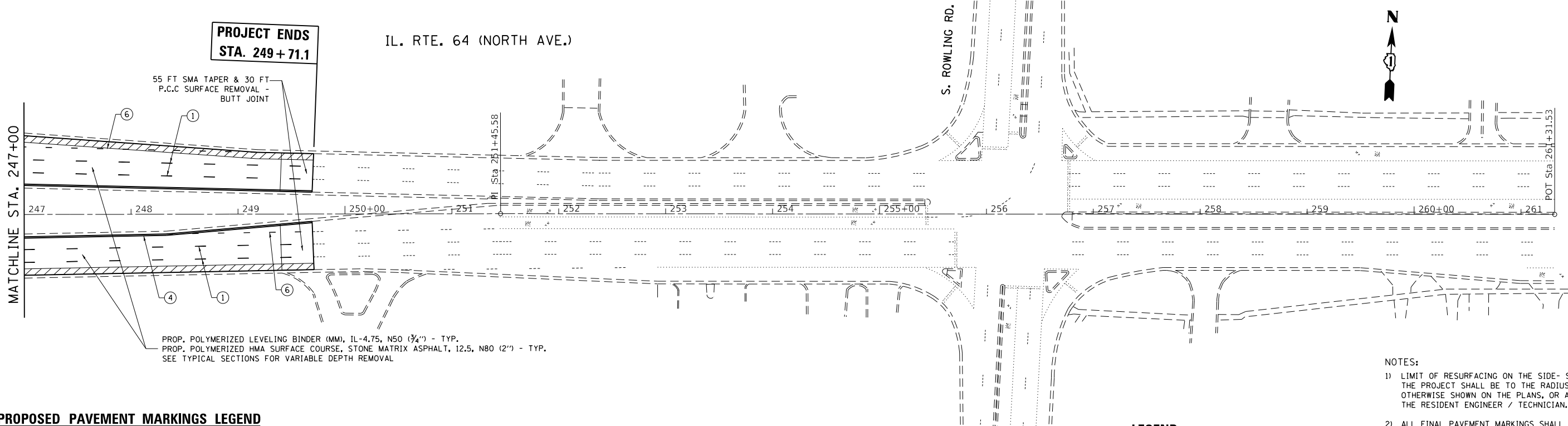
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ROADWAY AND PAVEMENT MARKING PLAN**

SCALE: 1"=50' SHEET OF SHEETS STA. 217+00 TO STA. 247+00

F.A.P. RTE. 307	SECTION (130 & 131)RS-4	COUNTY DUPAGE	TOTAL SHEETS 55	SHEET NO. 23
				CONTRACT NO. 62F57
		ILLINOIS FED. AID PROJECT		

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PROP. POLYMERIZED LEVELING BINDER (MM), IL-4.75, N50 (3/4") - TYP.  
PROP. POLYMERIZED HMA SURFACE COURSE, STONE MATRIX ASPHALT, 12.5, N80 (2") - TYP.  
SEE TYPICAL SECTIONS FOR VARIABLE DEPTH REMOVAL

**PROPOSED PAVEMENT MARKINGS LEGEND**

- ① THERMOPLASTIC PVMT. MARKING LINE 4", SKIP-DASH, WHITE, 10' LINE WITH 30' SPACE - LANE LINES (TYP.)
- ② THERMOPLASTIC PVMT. MARKING LINE 4", SOLID, WHITE, EDGE LINES (TYP.)
- ③ THERMOPLASTIC PVMT. MARKING LINE 4", SOLID, YELLOW, 2 @ 4", 11" C-C - CENTERLINE (TYP.)
- ④ THERMOPLASTIC PVMT. MARKING LINE 4", SOLID, YELLOW - EDGE LINES (TYP.)
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- ⑭ THERMOPLASTIC PVMT. MARKING LINE 12", SOLID, YELLOW -PAINTED MEDIAN DIAGONALS (TYP.) - SEE DISTRICT DETAIL TC-13 FOR SPACING
- ⑮ THERMOPLASTIC PVMT. MARKING LINE 24", SOLID, WHITE - STOP LINES (TYP.)
- ⑯ THERMOPLASTIC PVMT. MARKING LETTERS & SYMBOLS, 8", SOLID, WHITE - TURN LANE MARKINGS (TYP.)

**LEGEND**

- ▭ - PROP. HMA SURFACE COURSE, MIX 'D', N70; (2" TO 1 1/2") - TYP.
- ▭ - PROP. POLYMERIZED LEVELING BINDER (MM), IL-4.75, N50 (3/4") - TYP.
- ▭ - SEE DETAIL A & DETAIL B
- ▨ - EDGE MILL 6' FROM EOP, PCC SURFACE REMOVAL VARIOUS DEPTH - TYP.

- 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.
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  - 5) FOR PROPOSED CURB RAMP IMPROVEMENTS, SEE "ADA RAMP DETAILS".

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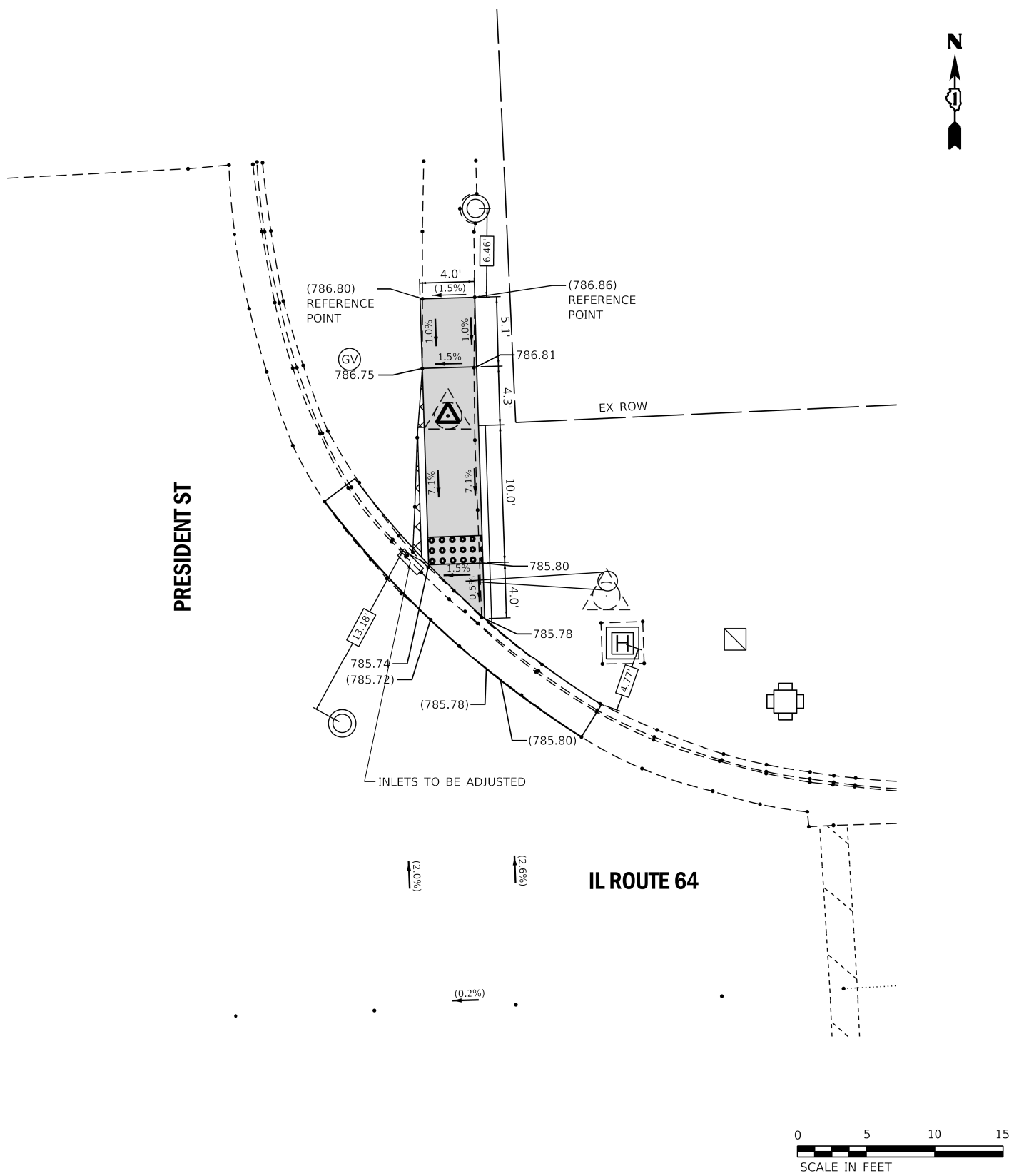
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IL RTE. 64 (NORTH AVE.) - GARY AVE. TO IL RTE. 53 (ROHLWING RD.)  
ROADWAY AND PAVEMENT MARKING PLAN**

SCALE: 1"=50'    SHEET    OF    SHEETS    STA. 247+00    TO STA. 24(+71.1)

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	(130 & 131)RS-4	DUPAGE	55	24
CONTRACT NO. 62F57				
ILLINOIS FED. AID PROJECT				





REFERENCE BENCHMARK ELEV 686.50  
 BENCHMARK : CHISLED SQUARE ON CONCRETE FOUNDATION  
 LOCATION : TRAFFIC SIGNAL AT NORTH EAST CORNER  
 OF IL ROUTE 64 AND PRESIDENT STREET

**LEGEND**

- xx.xx' EXISTING LENGTH
- PROPOSED SIDE CURB
- ( ) EXISTING ELEVATION/SLOPE
- PROPOSED SIDEWALK
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL  
REPLACE W/TOPSOIL & SOD

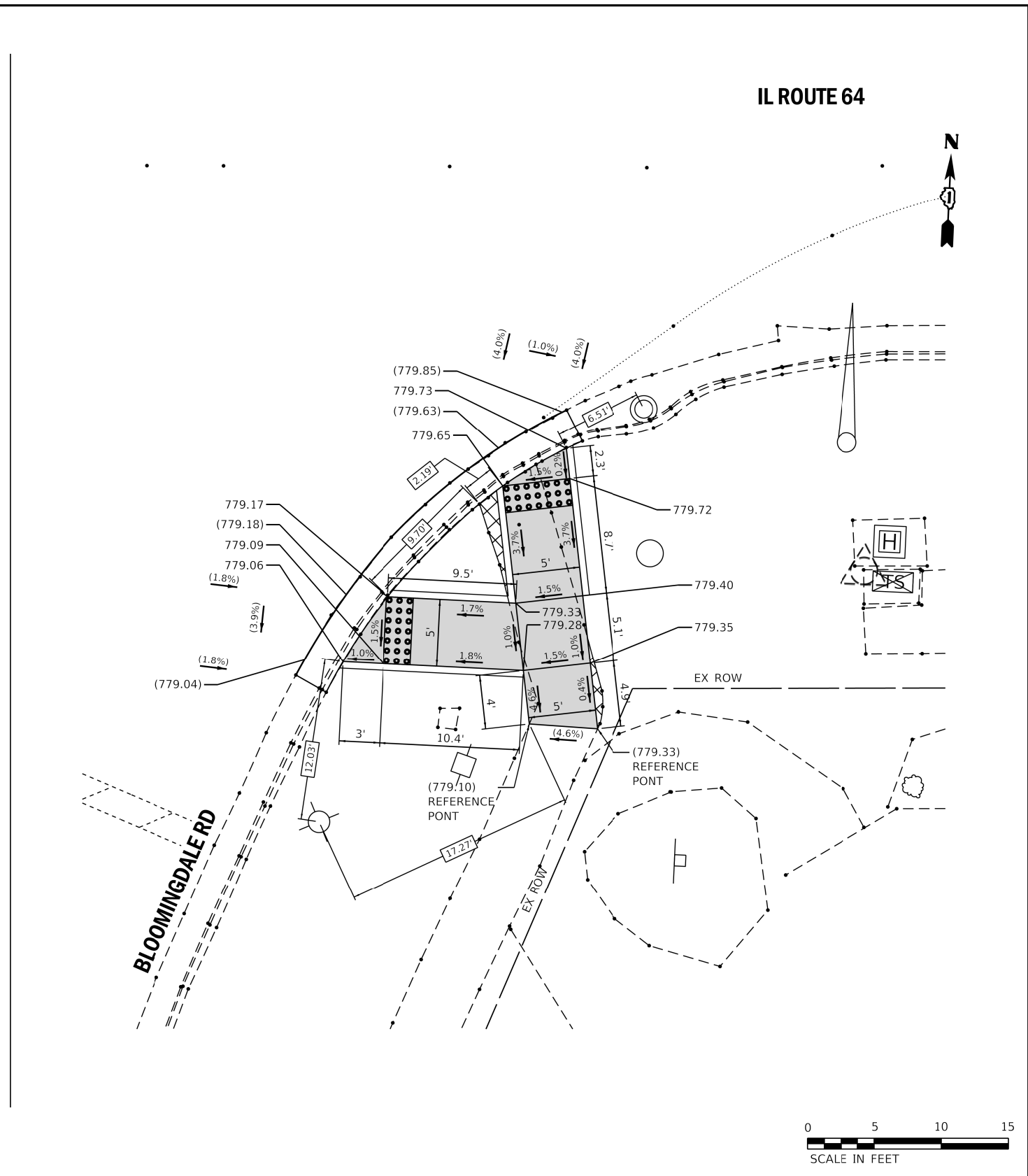
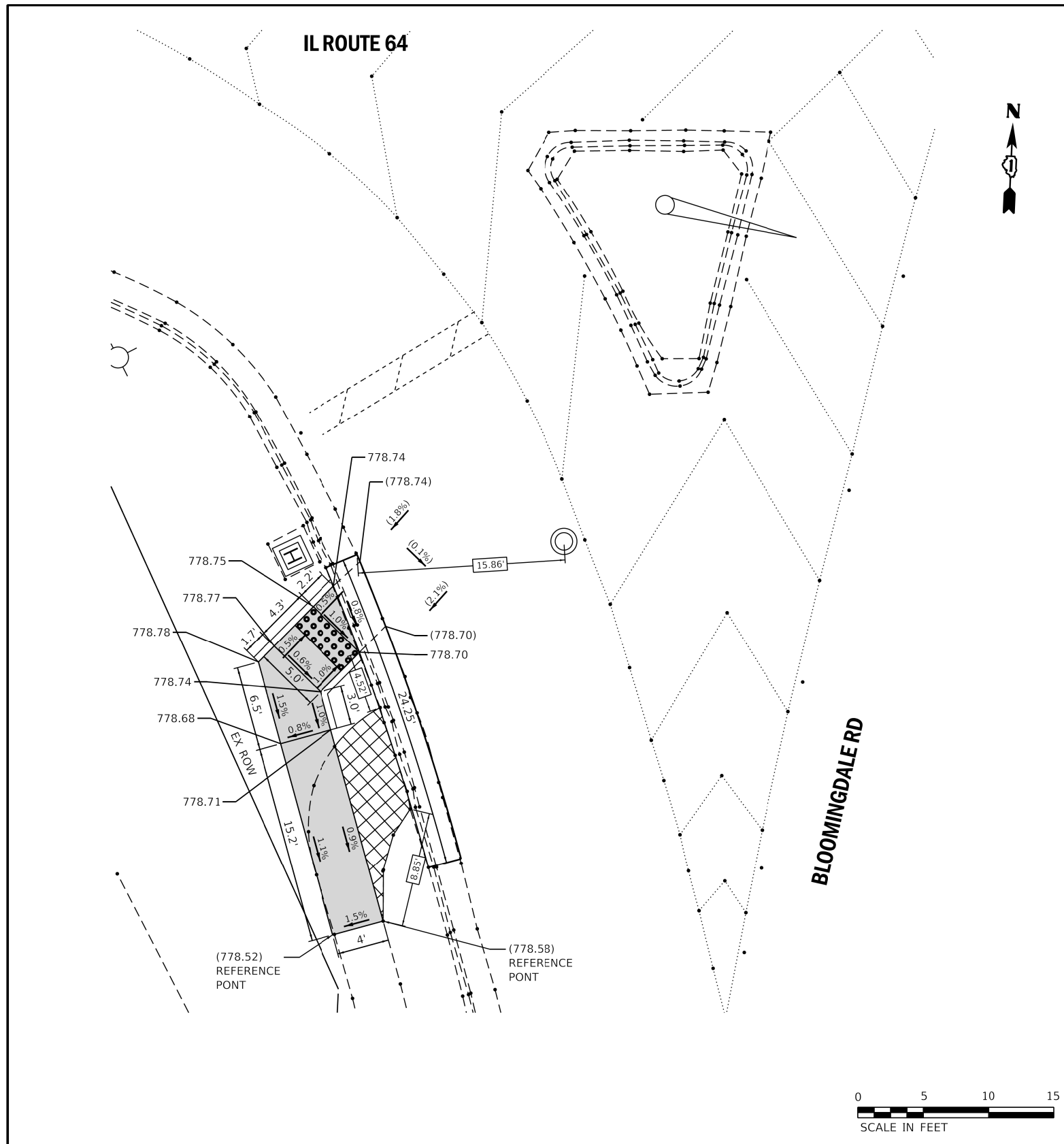
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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**IL RTE. 64 (NORTH AVE.) - GARY AVE. TO IL RTE. 53 (ROHLWING RD.)  
 ADA RAMP DETAILS - IL RTE. 64 AT PRESIDENT ST.**

SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	(130 & 131)RS-4	DUPAGE	55	25
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62F57	



REFERENCE BENCHMARK ELEV 781.21  
 BENCHMARK : CUT SQUARE ON NORTHWEST CORNER OF CONCRETE BASE  
 LOCATION : TRAFFIC CONTROL BOX AT SOUTHEAST CORNER OF  
 IL ROUTE 64 AND BLOOMINGDALE ROAD

**LEGEND**

	EXISTING LENGTH		PROPOSED SIDEWALK
	PROPOSED SIDE CURB		DETECTABLE WARNINGS
	EXISTING ELEVATION/SLOPE		SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD

REFERENCE BENCHMARK ELEV 781.21  
 BENCHMARK : CUT SQUARE ON NORTHWEST CORNER OF CONCRETE BASE  
 LOCATION : TRAFFIC CONTROL BOX AT SOUTHEAST CORNER OF  
 IL ROUTE 64 AND BLOOMINGDALE ROAD

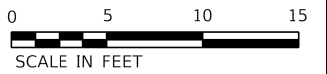
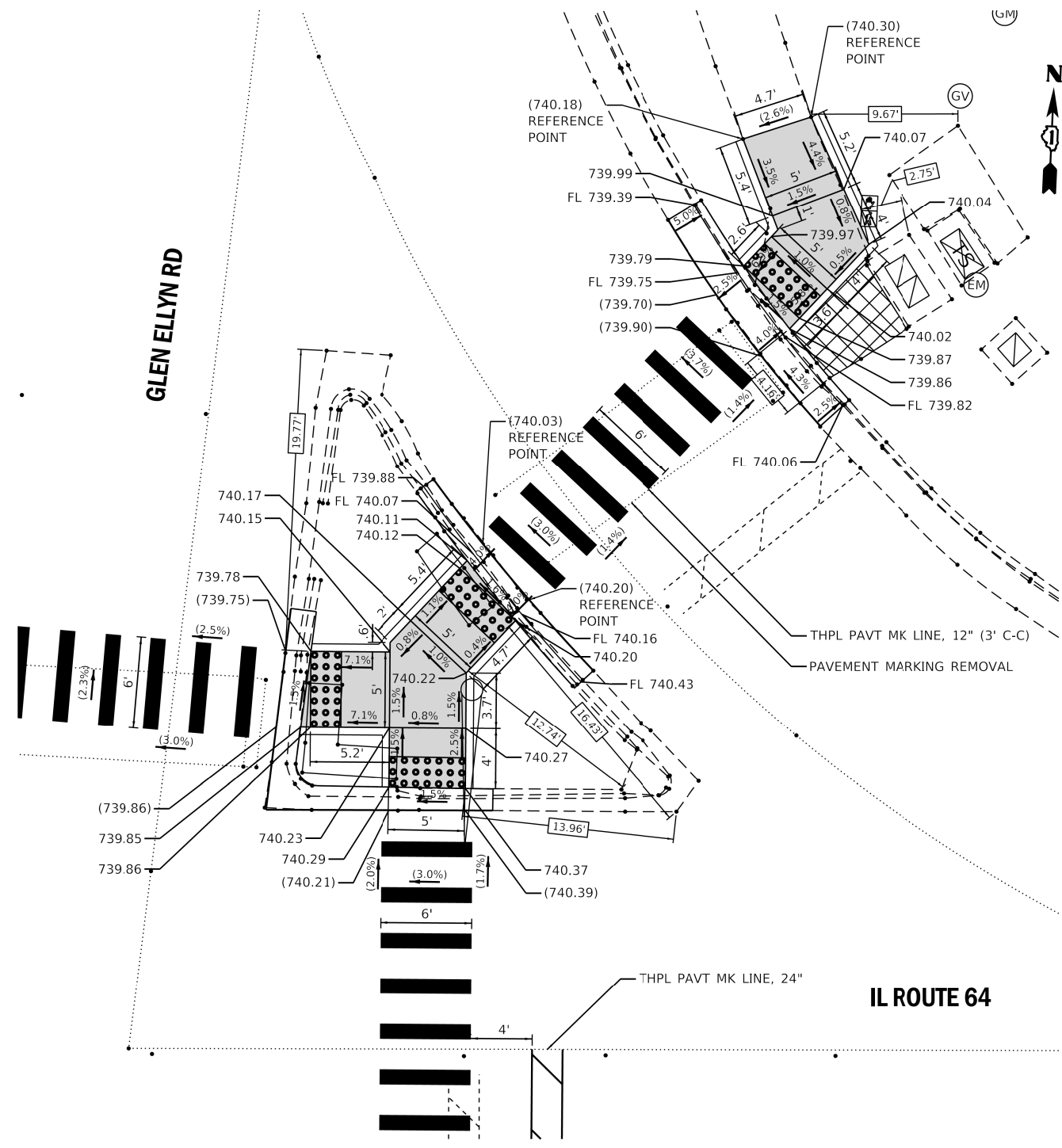
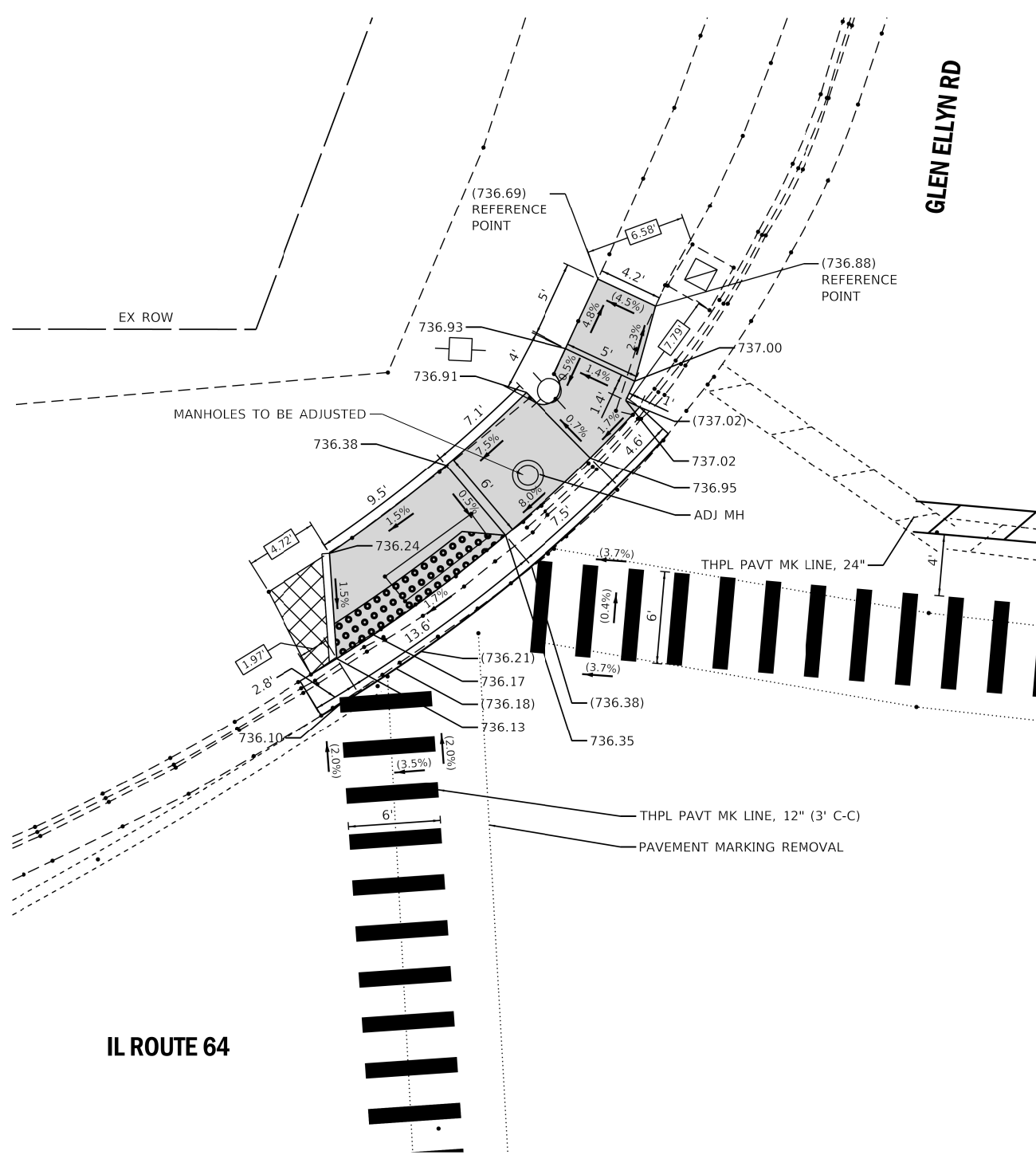
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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**IL RTE. 64 (NORTH AVE.) - GARY AVE. TO IL RTE. 53 (ROHLWING RD.)  
 ADA RAMP DETAILS - IL RTE. 64 AT BLOOMINGDALE RD.**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	(130 & 131)RS-4	DUPAGE	55	26
CONTRACT NO. 62F57			ILLINOIS FED. AID PROJECT	

SCALE: SHEET OF SHEETS STA. TO STA.



REFERENCE BENCHMARK ELEV 736.21  
 BENCHMARK : CHISELED "X" IN NORTHEAST CORNER  
 LOCATION : HANDHOLE AT SOUTHWEST QUADRANT OF  
 IL ROUTE 64 AND MAIN STREET

**LEGEND**

- xx.xx' EXISTING LENGTH
- PROPOSED SIDE CURB
- ( ) EXISTING ELEVATION/SLOPE
- PROPOSED SIDEWALK
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL  
REPLACE W/TOPSOIL & SOD

REFERENCE BENCHMARK ELEV 736.21  
 BENCHMARK : CHISELED "X" IN NORTHEAST CORNER  
 LOCATION : HANDHOLE AT SOUTHWEST QUADRANT OF  
 IL ROUTE 64 AND MAIN STREET

FILE NAME =	USER NAME = grouevmk	DESIGNED -	REVISED -
pw\11084EBIDINTEG\illinois.gov\PI\DOT\Documents\DOT Offices\District 1\Projects\DI01518\Design\DI01518-sht 7- details.dwg		DRAWN -	REVISED -
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	PLOT DATE = 9/11/2018	DATE -	REVISED -

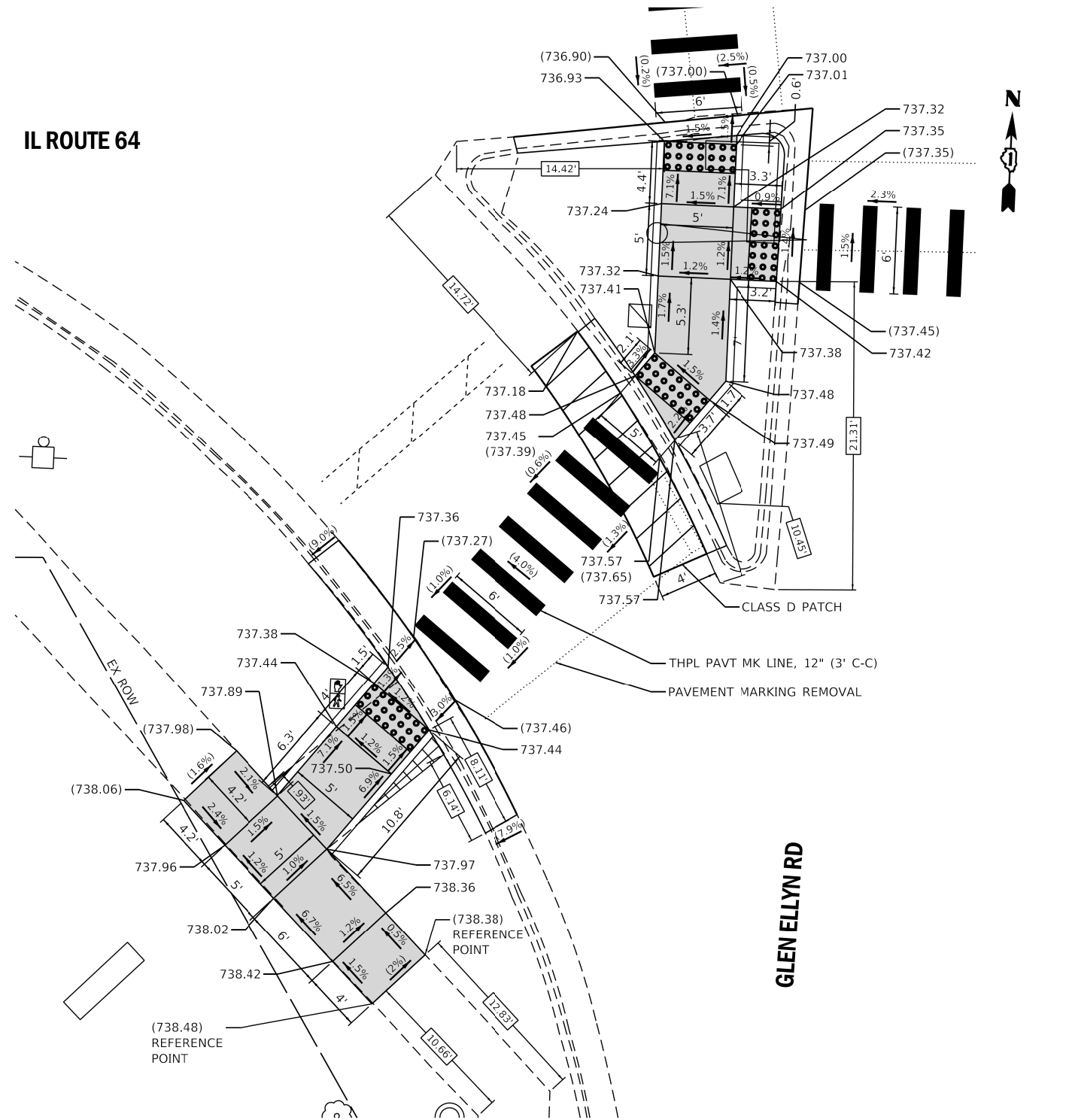
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**IL RTE. 64 (NORTH AVE.) - GARY AVE. TO IL RTE. 53 (ROHLWING RD.)  
 ADA RAMP DETAILS - IL RTE. 64 AT GLEN ELLYN RD./MAIN ST.**

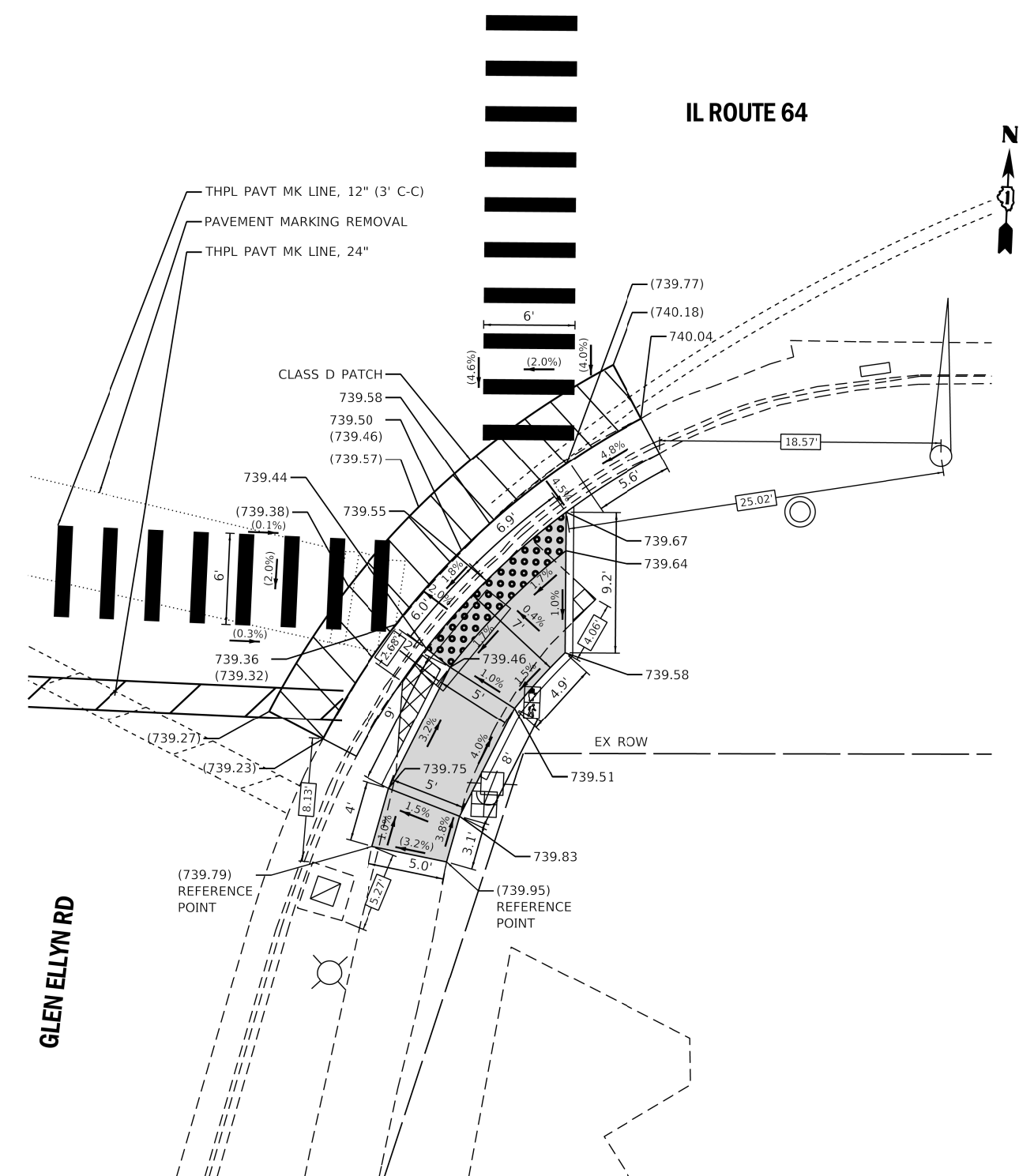
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	(130 & 131)RS-4	DUPAGE	55	27
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62F57	

IL ROUTE 64



IL ROUTE 64



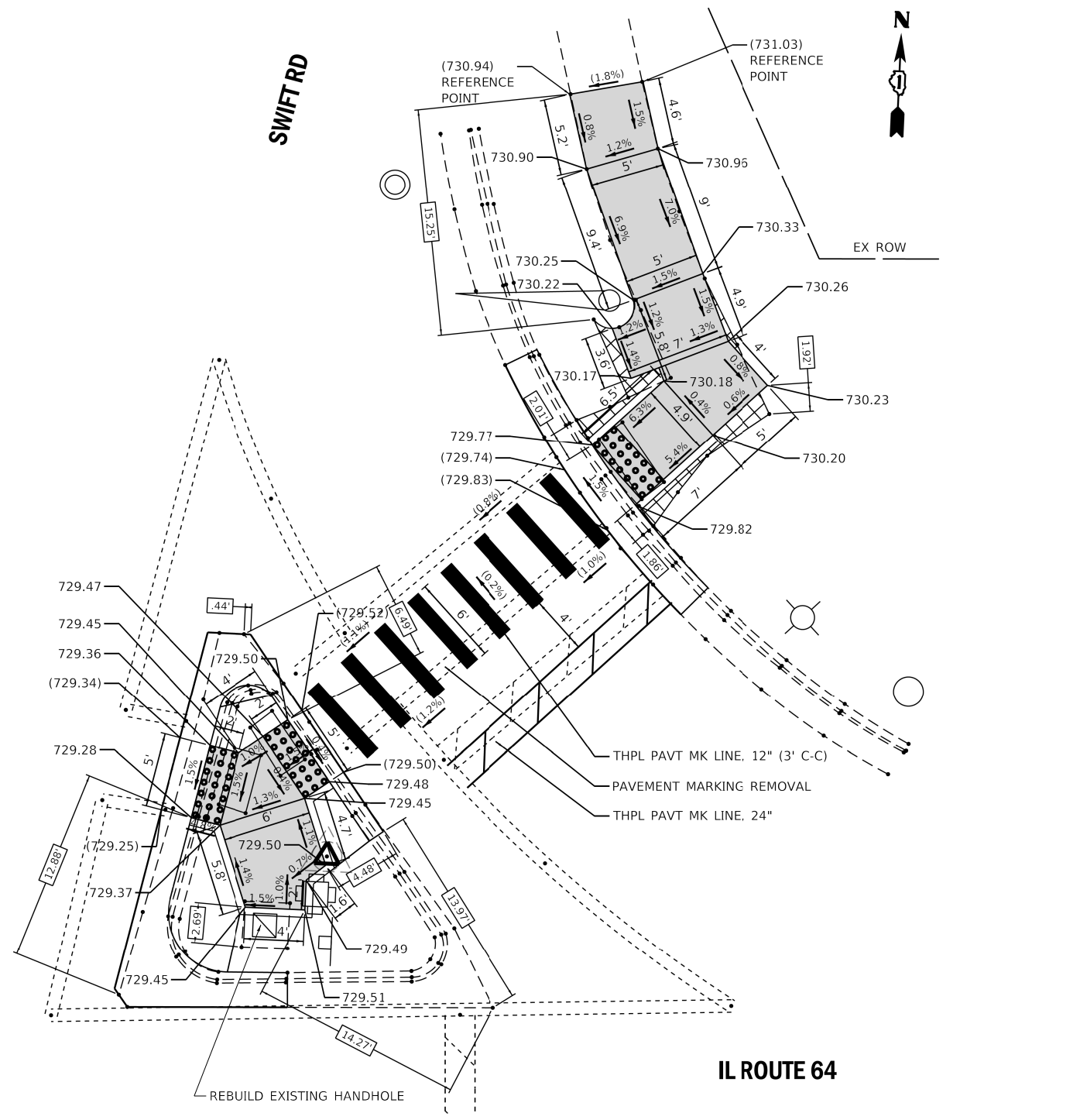
REFERENCE BENCHMARK ELEV 736.21  
 BENCHMARK : CHISELED "X" IN NORTHEAST CORNER  
 LOCATION : HANDHOLE AT SOUTHWEST QUADRANT OF  
 IL ROUTE 64 AND MAIN STREET

**LEGEND**

- xx.xx' EXISTING LENGTH
- PROPOSED SIDE CURB
- ( ) EXISTING ELEVATION/SLOPE
- PROPOSED SIDEWALK
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL  
REPLACE W/TOPSOIL & SOD

REFERENCE BENCHMARK ELEV 736.21  
 BENCHMARK : CHISELED "X" IN NORTHEAST CORNER  
 LOCATION : HANDHOLE AT SOUTHWEST QUADRANT OF  
 IL ROUTE 64 AND MAIN STREET

FILE NAME =	USER NAME = grouevmk	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>IL RTE. 64 (NORTH AVE.) - GARY AVE. TO IL RTE. 53 (ROHLWING RD.) ADA RAMP DETAILS - IL RTE. 64 AT GLEN ELLYN RD./MAIN ST.</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw\IL084EBIDINTEG.illinois.gov\PIWIDOT\Documents\DOT Offices\District 1\Projects\DI01518\BROW\Brow\Design\DI01518-sht 7- details.dgn	PLOT SCALE = 10.0000' / in.	CHECKED -	REVISED -			307	(130 & 131)RS-4	DUPAGE	55	28
Default	PLOT DATE = 9/11/2018	DATE -	REVISED -			CONTRACT NO. 62F57		ILLINOIS FED. AID PROJECT		



REFERENCE BENCHMARK ELEV 735.99  
 BENCHMARK : RAILROAD SPIKE IN POWER POLE  
 LOCATION : NORTHEAST QUADRANT OF IL ROUTE 64  
 AND SWIFT ROAD

**LEGEND**

- xx.xx' EXISTING LENGTH
- ===== PROPOSED SIDE CURB
- ( ) EXISTING ELEVATION/SLOPE
- [Solid Gray Box] PROPOSED SIDEWALK
- [Dotted Box] DETECTABLE WARNINGS
- [Cross-hatched Box] SIDEWALK REMOVAL  
REPLACE W/TOPSOIL & SOD

FILE NAME =	USER NAME = grouevmk	DESIGNED -	REVISED -
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Default	PLOT SCALE = 10.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 9/11/2018	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

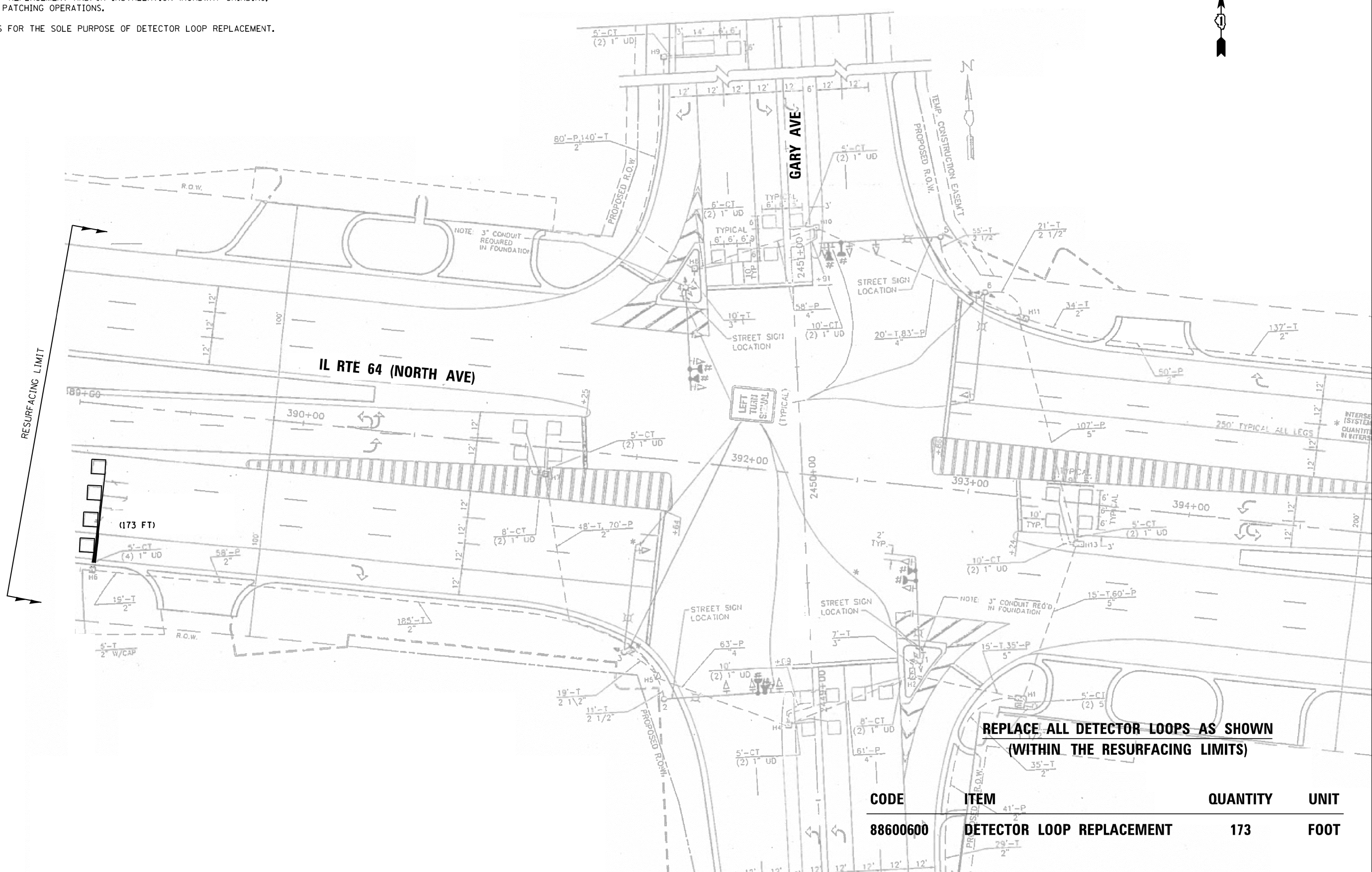
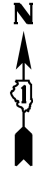
**IL RTE. 64 (NORTH AVE.) - GARY AVE. TO IL RTE. 53 (ROHLWING RD.)  
 ADA RAMP DETAILS - IL RTE. 64 AT SWIFT RD.**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	(130 & 131)RS-4	DUPAGE	55	29
CONTRACT NO. 62F57				
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.



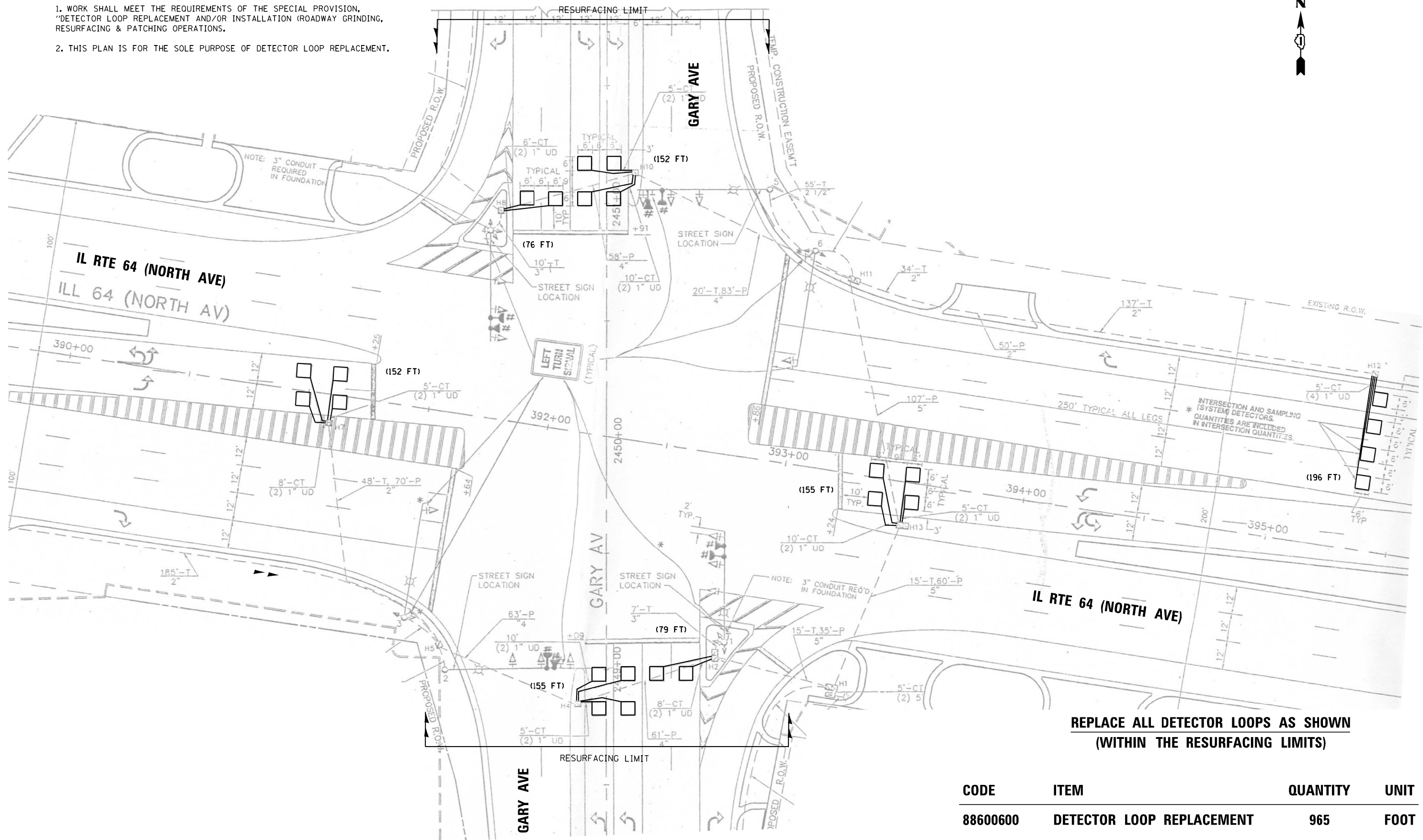
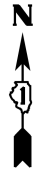
**REPLACE ALL DETECTOR LOOPS AS SHOWN  
(WITHIN THE RESURFACING LIMITS)**

CODE	ITEM	QUANTITY	UNIT
88600600	DETECTOR LOOP REPLACEMENT	173	FOOT

FILE NAME =	USER NAME = grouevmk	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>DETECTOR LOOP REPLACEMENT PLAN IL RTE. 64 AT .</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\IL084EBIDINTEG\Illinois.gov\PIWIDOT\Documents\DOT Offices\District 1\Projects\DI01518\Design\DI01518-sht 7- details.dwg		CHECKED -	REVISED -		307	(130 & 131)RS-4	DUPAGE	55	30			
Default	PLOT SCALE = 10.0000' / in.	DATE -	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.			CONTRACT NO. 62F57				
	PLOT DATE = 8/16/2018				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.



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

CODE	ITEM	QUANTITY	UNIT
88600600	DETECTOR LOOP REPLACEMENT	965	FOOT

FILE NAME =	USER NAME = grouevmk	DESIGNED -	REVISED -
pw:\IL\084EBID\INTEG\illinois.gov\PI\DOT\Documents\DOT Offices\District 1\Projects\DI01518\BRAW\Design\DI01518-sht 7- details.dwg		REVISIONS	REVISIONS
Default	PLOT SCALE = 10.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 8/16/2018	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

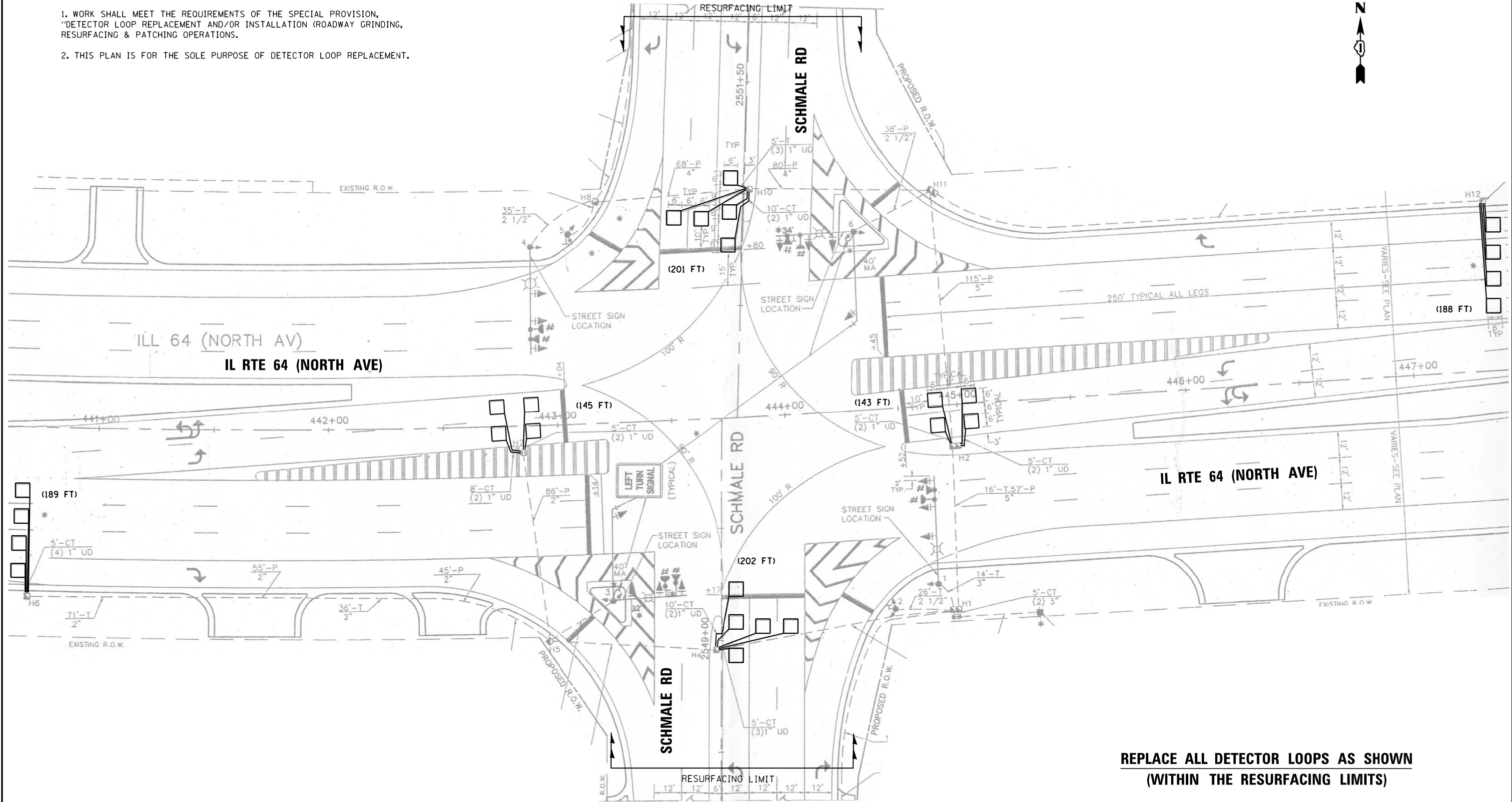
**DETECTOR LOOP REPLACEMENT PLAN  
IL RTE. 64 AT .**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	(130 & 131)RS-4	DUPAGE	55	31
CONTRACT NO. 62F57			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.

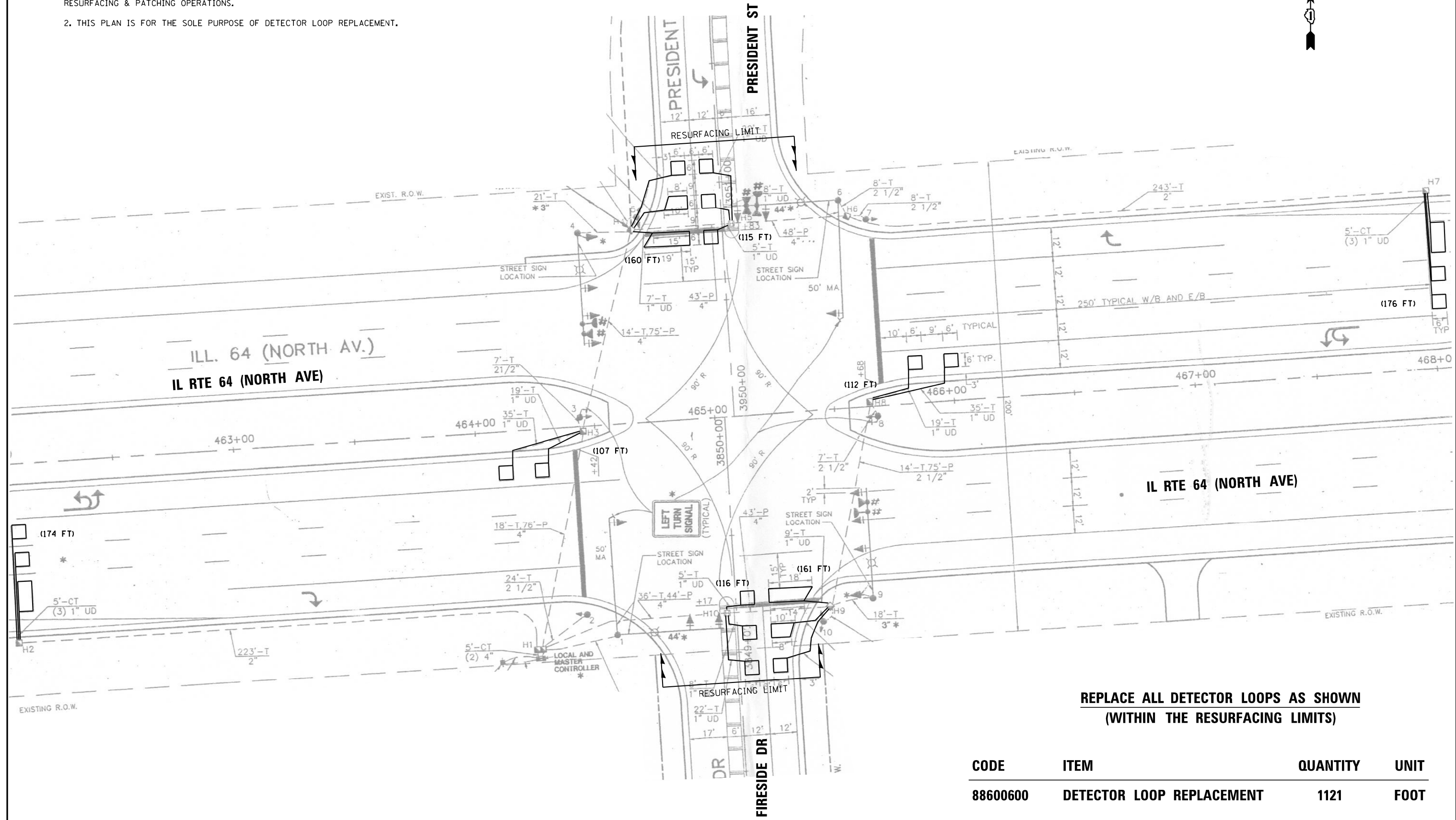
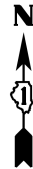


CODE	ITEM	QUANTITY	UNIT
88600600	DETECTOR LOOP REPLACEMENT	1068	FOOT



**NOTES:**

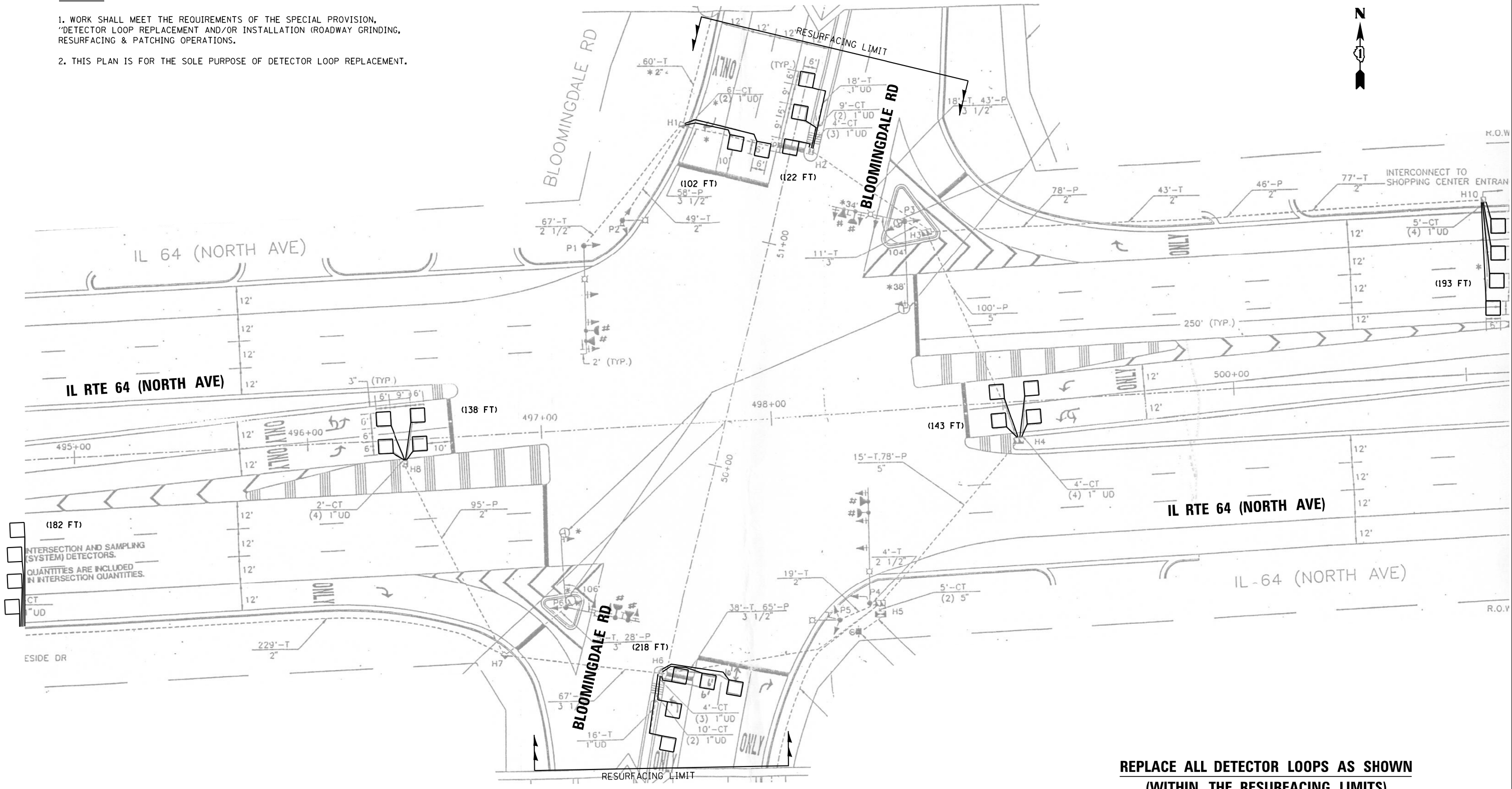
1. WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISION, "DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION (ROADWAY GRINDING, RESURFACING & PATCHING OPERATIONS).
2. THIS PLAN IS FOR THE SOLE PURPOSE OF DETECTOR LOOP REPLACEMENT.



CODE	ITEM	QUANTITY	UNIT
88600600	DETECTOR LOOP REPLACEMENT	1121	FOOT

**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	1098	FOOT

FILE NAME =	USER NAME = grouevmk	DESIGNED -	REVISED -
p:\IL\084EBID\INTEG\Illinois.gov\PI\DOT\Documents\DOT Offices\District 1\Projects\DI01518\Design\DI01518-sht 7- details.dwg		CHECKED -	REVISED -
Default	PLOT DATE = 8/16/2018	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

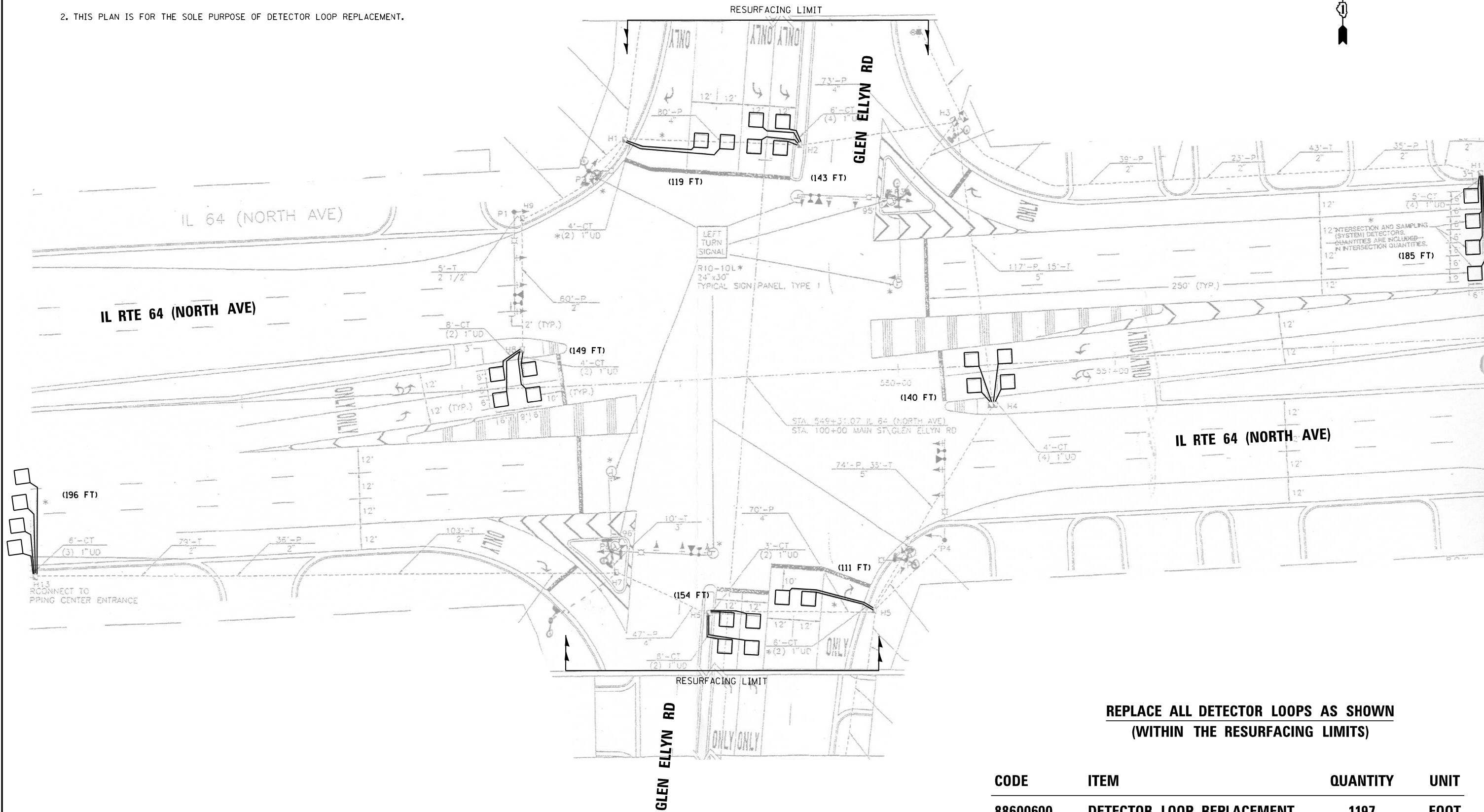
**DETECTOR LOOP REPLACEMENT PLAN  
IL RTE. 64 AT .**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	(130 & 131)RS-4	DUPAGE	55	34
CONTRACT NO. 62F57			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.



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

CODE	ITEM	QUANTITY	UNIT
88600600	DETECTOR LOOP REPLACEMENT	1197	FOOT

FILE NAME =	USER NAME = grouevmk	DESIGNED -	REVISED -
pw\IL084EBIDINTEG\Illinois.gov\PWIDOT\Documents\DOT Offices\District 1\Projects\DI01518\BROW\Design\DI01518-sht 7- details.dwg		REVISIONS	REVISIONS
	PLOT SCALE = 10.0000' / in.	CHECKED -	REVISED -
Default	PLOT DATE = 8/16/2018	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

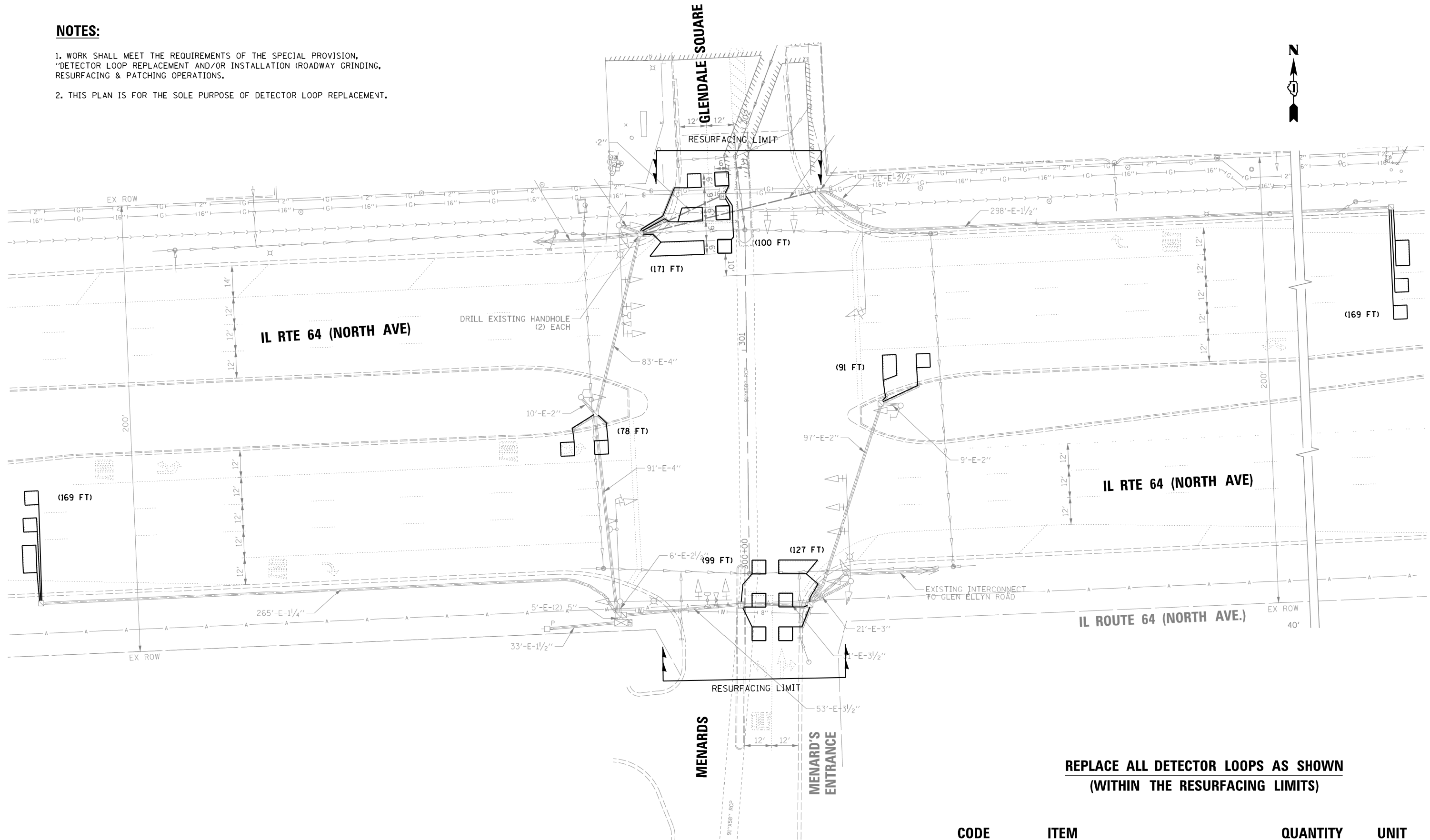
**DETECTOR LOOP REPLACEMENT PLAN  
IL RTE. 64 AT .**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	(130 & 131)RS-4	DUPAGE	55	35
CONTRACT NO. 62F57			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.

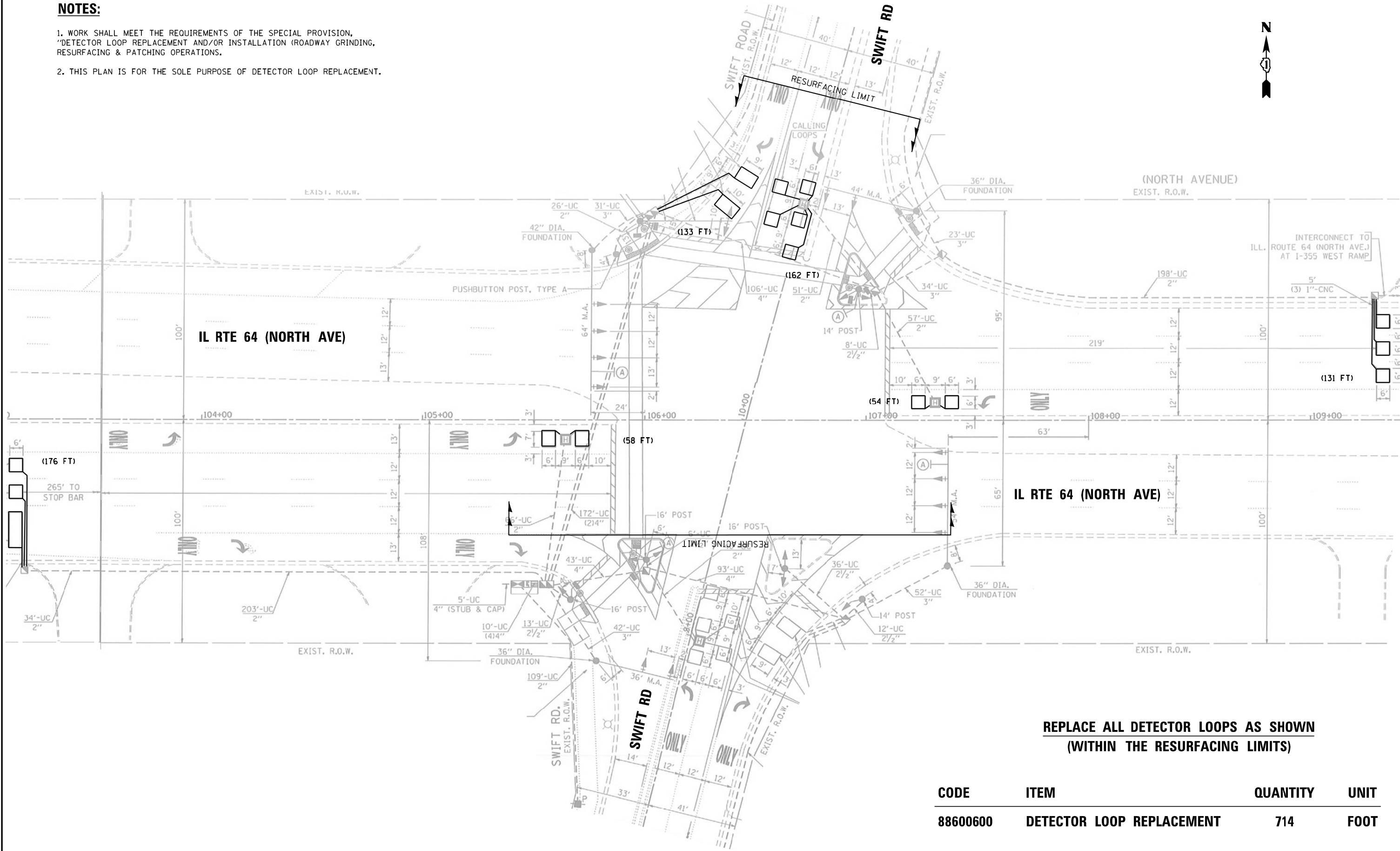


**REPLACE ALL DETECTOR LOOPS AS SHOWN  
(WITHIN THE RESURFACING LIMITS)**

CODE	ITEM	QUANTITY	UNIT
88600600	DETECTOR LOOP REPLACEMENT	1004	FOOT

**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)**

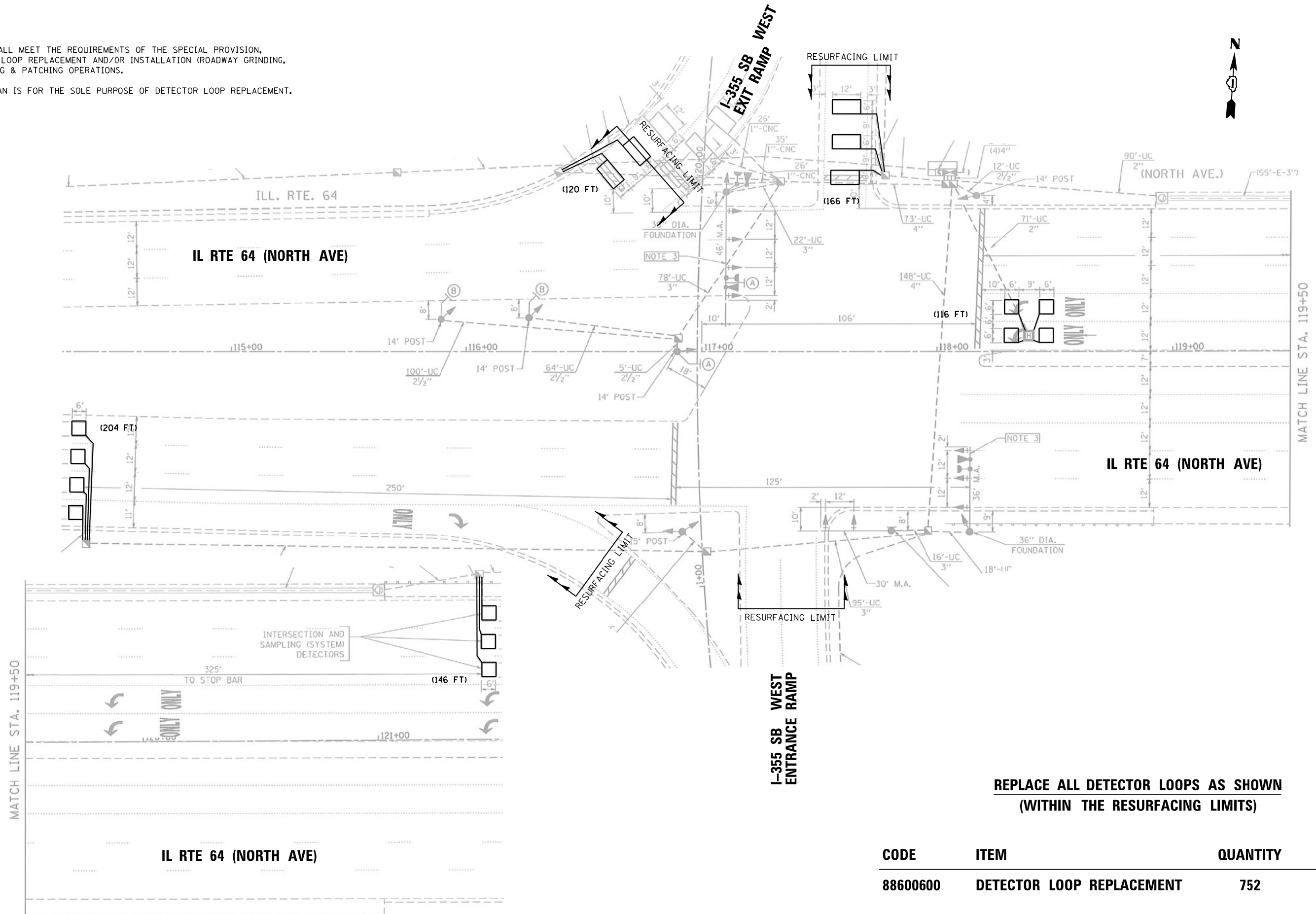
CODE	ITEM	QUANTITY	UNIT
88600600	DETECTOR LOOP REPLACEMENT	714	FOOT

FILE NAME =	USER NAME = grouevmk	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>DETECTOR LOOP REPLACEMENT PLAN IL RTE. 64 AT .</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\IL\084EBIDINTEG\Illinois.gov\PWIDOT\Documents\DOT Offices\District 1\Projects\DI01518\BROW\Brow\Design\DI01518-sht 7- details.dwg		CHECKED -	REVISED -			307	(130 & 131)RS-4	DUPAGE	55	37
Default		DATE -	REVISED -			CONTRACT NO. 62F57		ILLINOIS FED. AID PROJECT		

SCALE: SHEET OF SHEETS STA. TO STA.

**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.

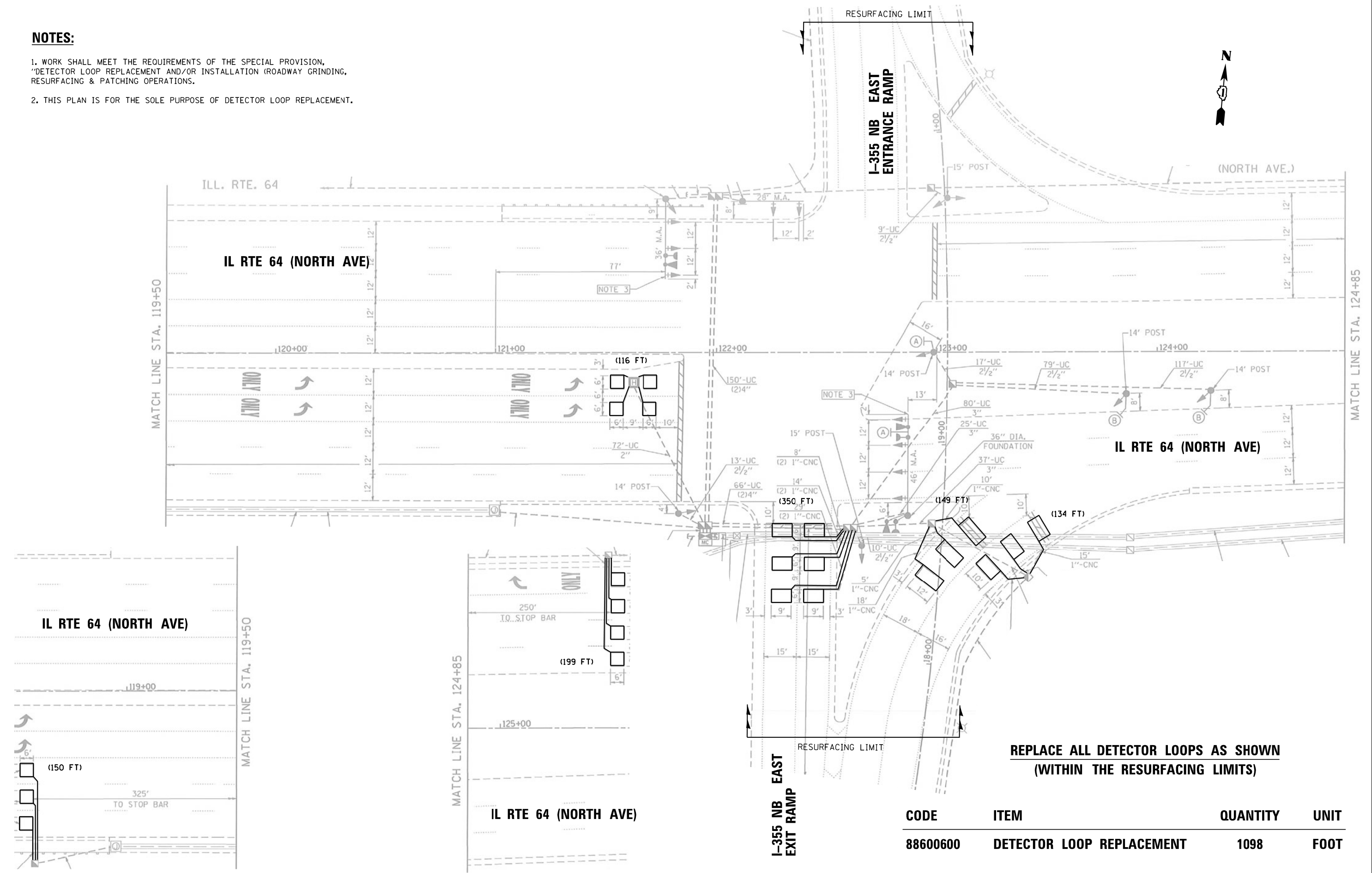


**REPLACE ALL DETECTOR LOOPS AS SHOWN  
(WITHIN THE RESURFACING LIMITS)**

CODE	ITEM	QUANTITY	UNIT
88600600	DETECTOR LOOP REPLACEMENT	752	FOOT

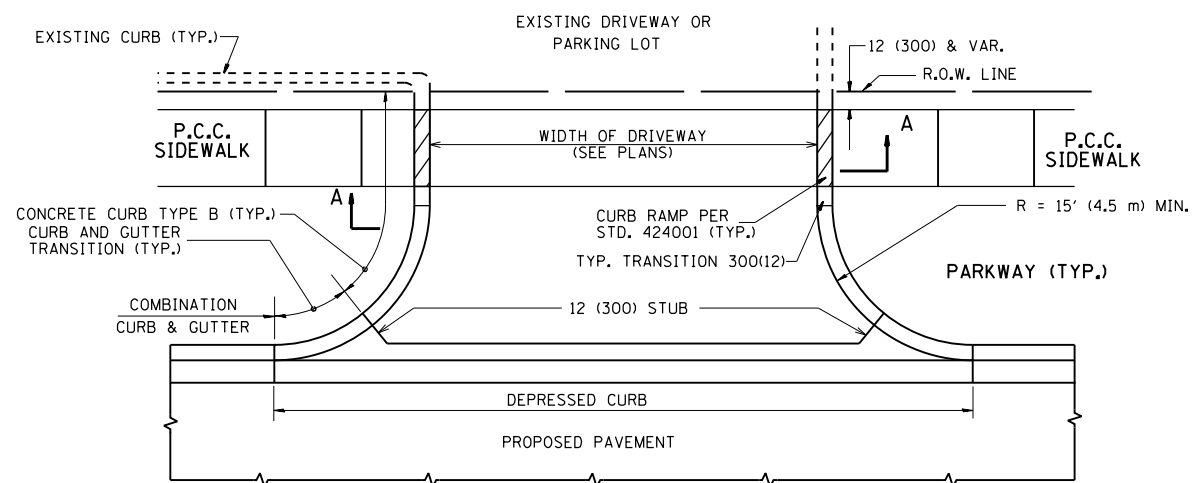
**NOTES:**

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.

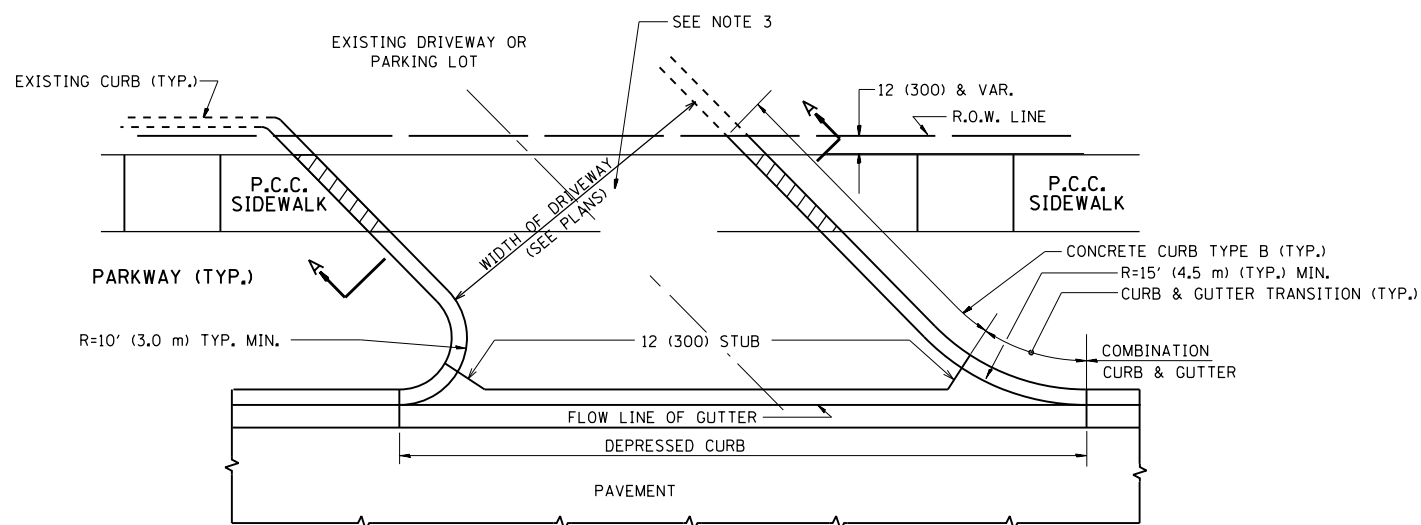


**REPLACE ALL DETECTOR LOOPS AS SHOWN  
(WITHIN THE RESURFACING LIMITS)**

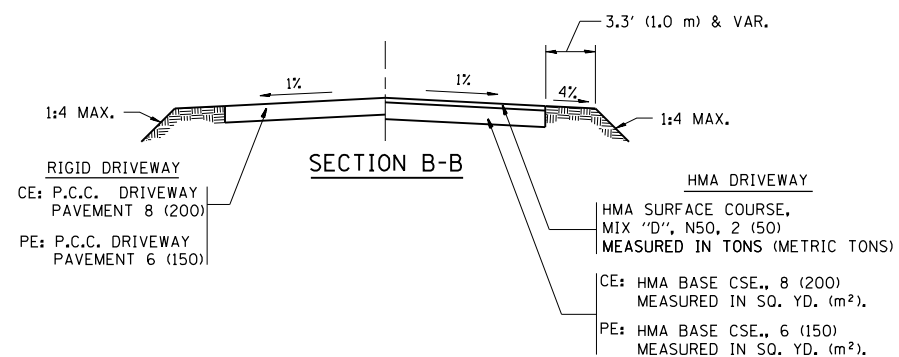
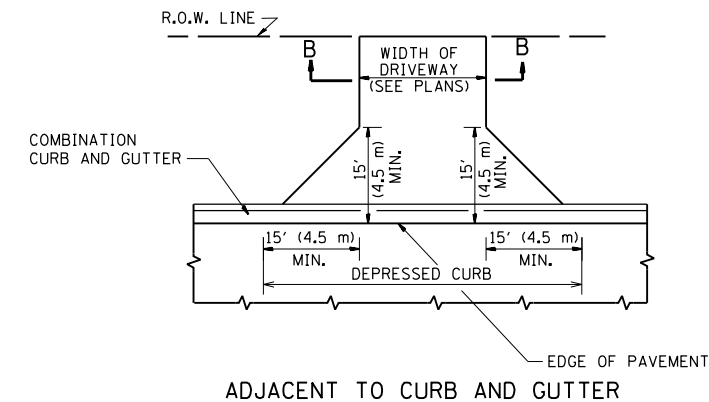
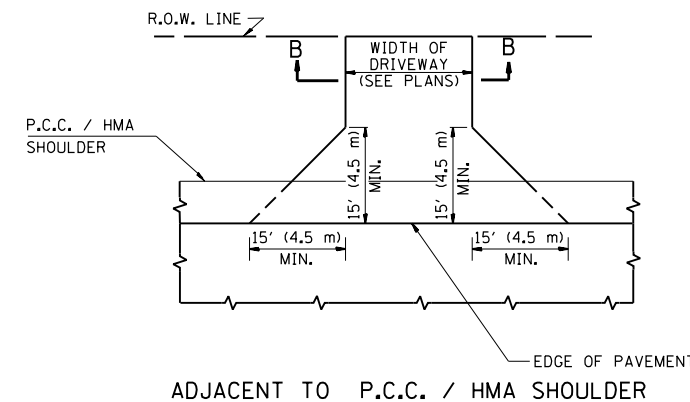
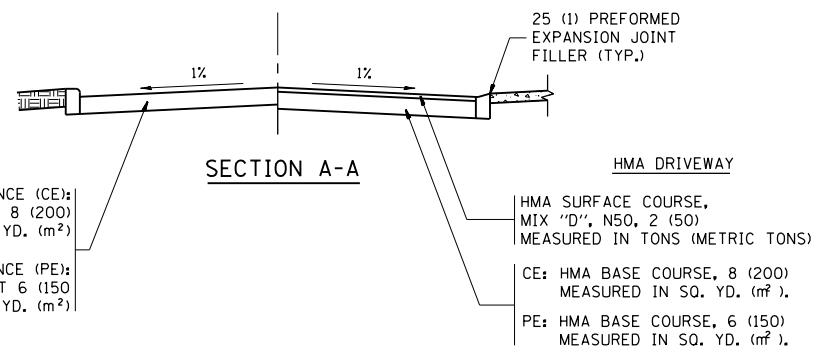
CODE	ITEM	QUANTITY	UNIT
88600600	DETECTOR LOOP REPLACEMENT	1098	FOOT



WITH CONCRETE CURB, TYPE B



WITH CONCRETE CURB, TYPE B



**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.

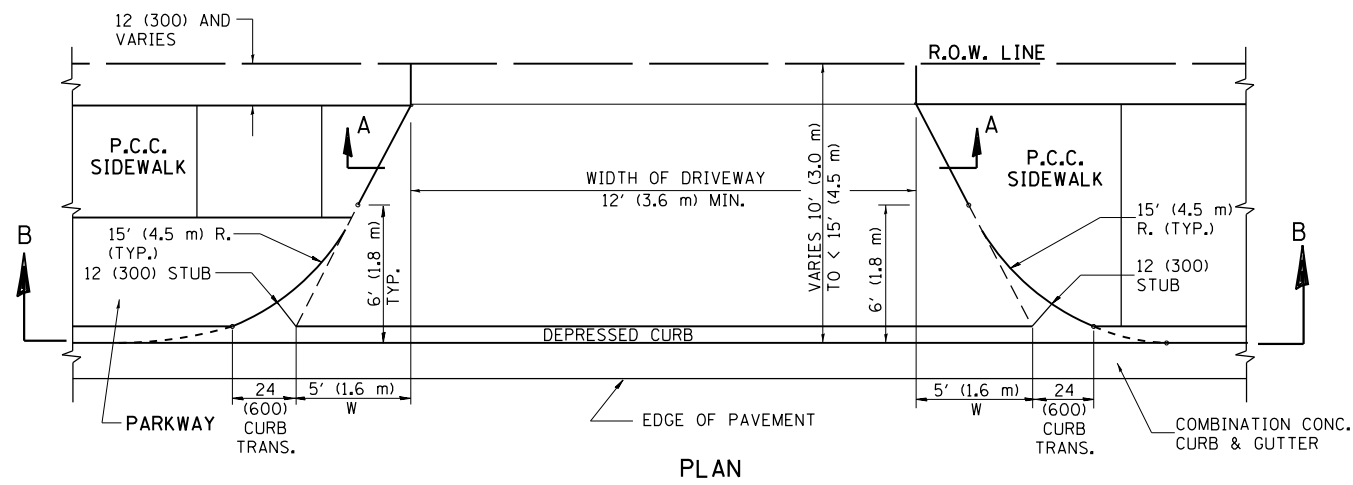
FILE NAME =	USER NAME = grouevmk	DESIGNED - R. SHAH	REVISED - P. LaFLUER 04-15-03
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PLOT SCALE = 100.0002' / 1"		DATE - 11-04-95	REVISED - R. BORO 06-11-08
PLOT DATE = 8/16/2018			REVISED - R. BORO 09-06-11

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

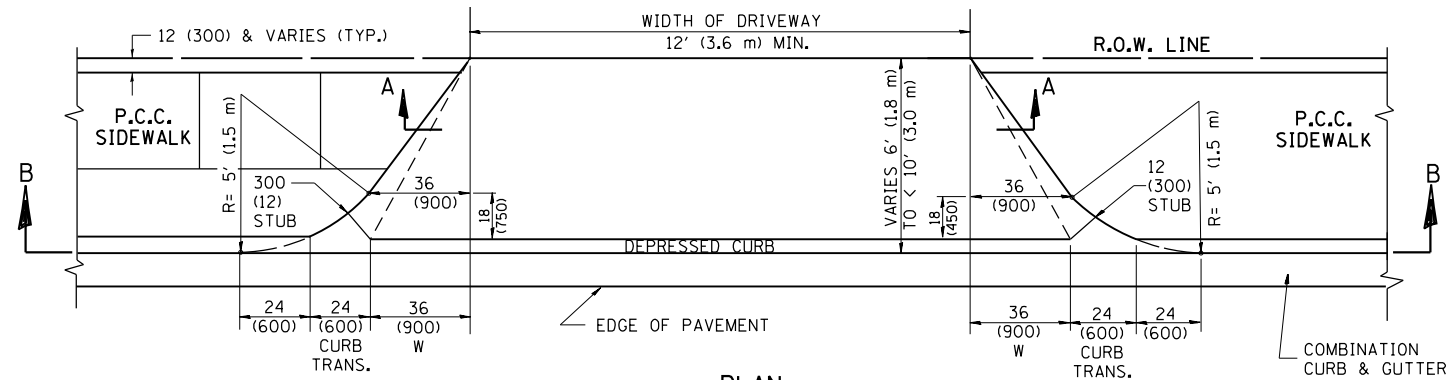
<b>DRIVEWAY DETAILS - DISTANCE BETWEEN R.O.W. AND FACE OF CURB &amp; EDGE OF SHOULDER &gt;= 15' (4.5 m)</b>			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	(130 & 131)RS-4	DUPAGE	55	40
<b>BD0156-07 (BD-01)</b>		CONTRACT NO. 62F57		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

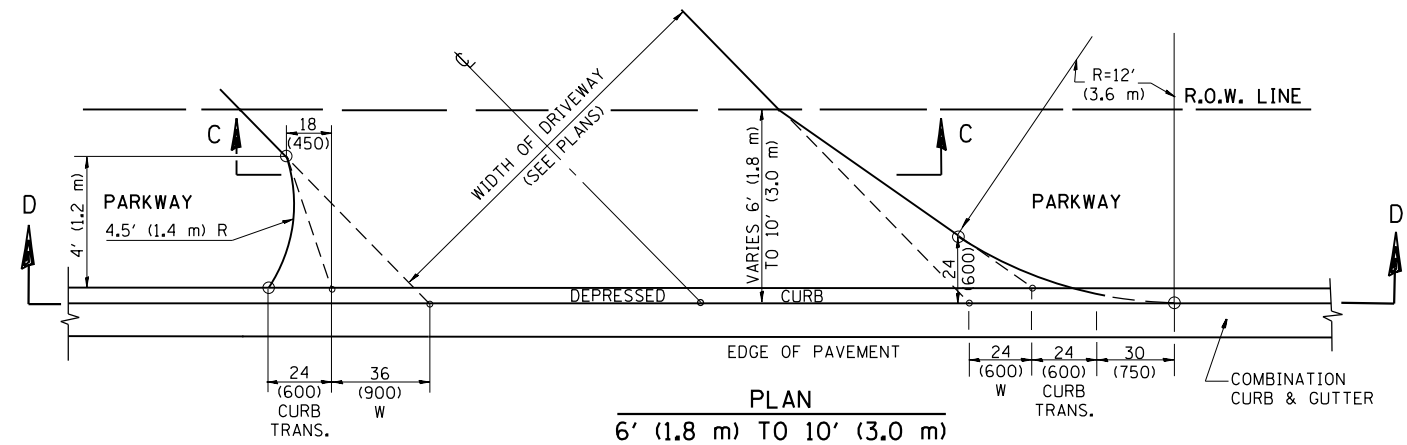




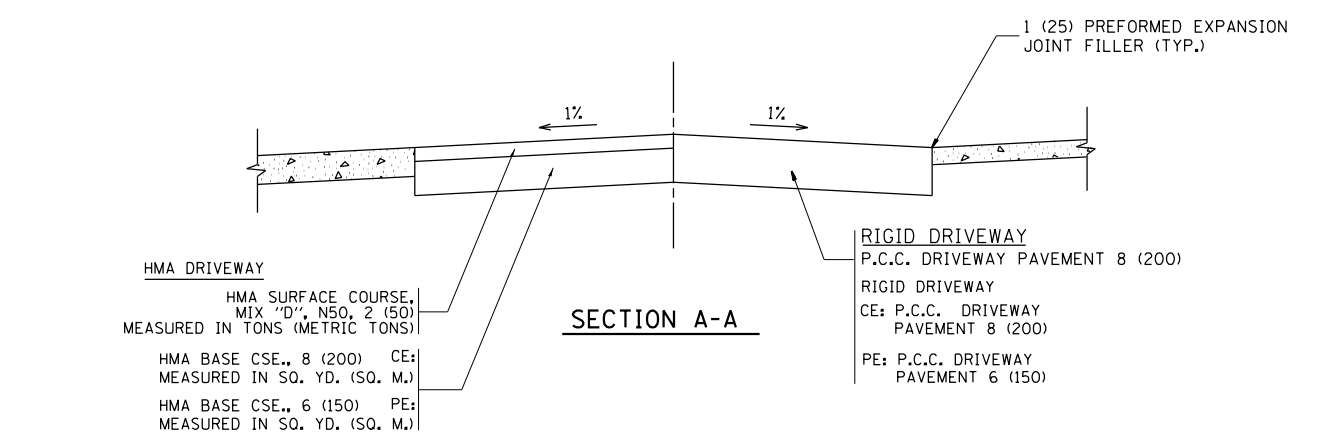
PLAN  
10' (3.0 m) TO < 15' (4.5 m)



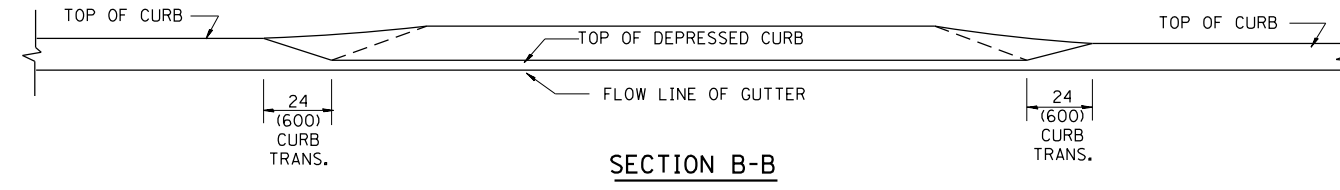
PLAN  
6' (1.8 m) TO < 10' (3.0 m)



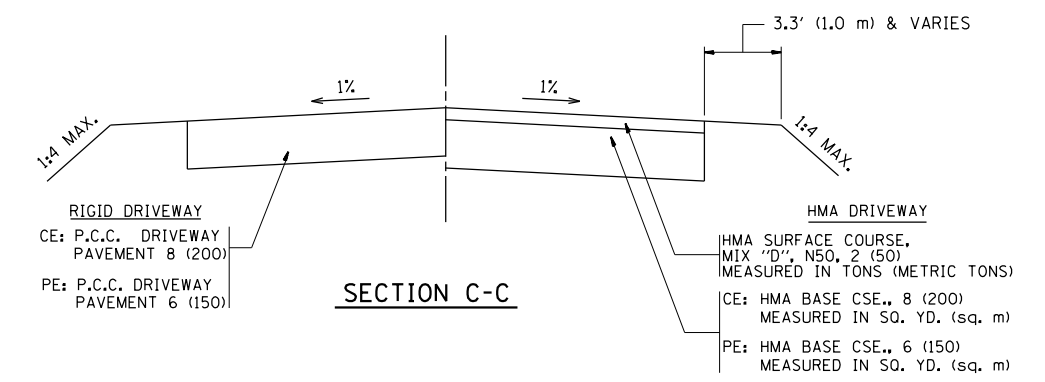
PLAN  
6' (1.8 m) TO 10' (3.0 m)



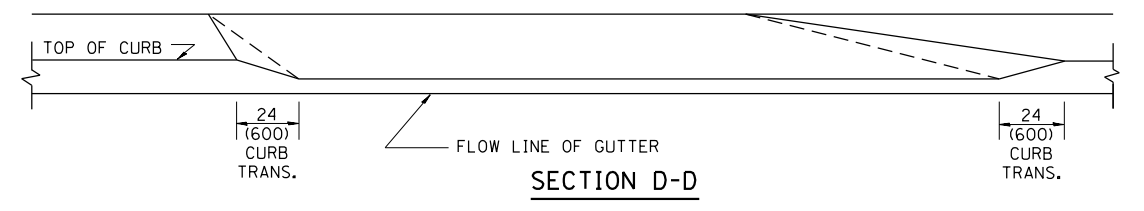
SECTION A-A



SECTION B-B



SECTION C-C



SECTION D-D

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 ILLUSTRATION 10 IN THE PERMIT HANDBOOK. WHERE SIDEWALKS EXIST, DRIVEWAYS SHALL BE REPLACED WITH RIGID PAVEMENT. WHERE NO SIDEWALKS EXIST, DRIVEWAYS SHALL BE REPLACED IN KIND. SIDEWALK CROSS SLOPE THRU DRIVEWAY AREA TO BE A MAXIMUM OF 1:50.

WHEN THE DISTANCE BETWEEN R.O.W. AND THE BACK OF CURB IS EQUAL TO OR LESS THAN 8' (2.4 m), THE P.C.C. SIDEWALK SHALL EXTEND TO THE BACK OF 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.

THE 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.

"W" VARIES FROM 36 (900) TO 5' (1.5 m) PROPORTIONAL TO THE LENGTH (L), FROM 6' (1.8 m) TO 10' (3 m).

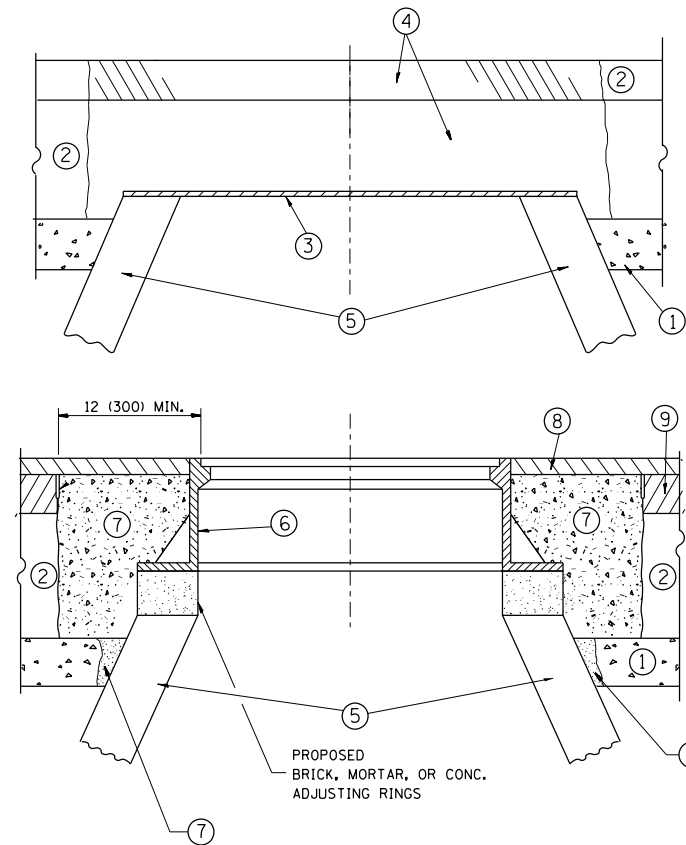
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE NOTED.

FILE NAME =	USER NAME = grouevmk	DESIGNED - R. SHAH	REVISED - M. GOMEZ 04-06-01
pw\11084EBIDINTEG.illinois.gov\PIWIDOT\Documents\IDOT Offices\District 1\Projects\DI0151\Drawings\Design\DistStd.dgn		CHECKED -	REVISED - P. LaFLEUR 04-15-03
		DATE - 11-06-95	REVISED - R. BORO 01-01-07
			REVISED - R. BORO 01-01-07

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

DRIVEWAY DETAILS	
DISTANCE BETWEEN ROW AND FACE OF CURB < 15' (4.5 m)	
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	(130 & 131)RS-4	DUPAGE	55	41
BD400-02 (BD-02)		CONTRACT NO. 62F57		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



**CONSTRUCTION PROCEDURES**

**STAGE 1 (BEFORE PAVEMENT MILLING)**

- A) REMOVE A MINIMUM OF 12 (300) OF THE PAVEMENT FROM AROUND THE STRUCTURE.
- B) REMOVE THE EXISTING FRAME AND LID FROM THE STRUCTURE.
- C) COVER THE STRUCTURE OPENING WITH A 36 (900) DIAMETER METAL PLATE.
- D) BACKFILL WITH CRUSHED STONE AND A MINIMUM 1/2 (40) THICK HMA SURFACE MIX APPROVED BY THE ENGINEER.

**STAGE 2 (AFTER PAVEMENT MILLING)**

- A) REMOVE THE HMA SURFACE MIX AND CRUSHED STONE.
- B) INSTALL THE FRAME AND LID; ADJUST THE FRAME TO ITS FINAL SURFACE ELEVATION.
- C) THE SURROUNDING SPACE SHALL BE FILLED WITH CLASS PP-1\* CONCRETE TO THE ELEVATION OF THE SURFACE OF THE EXISTING BASE COURSE OR THE BINDER COURSE.

\* UNLESS OTHERWISE SPECIFIED IN THE PLANS.

THE PROCEDURE EXPLAINED ABOVE SHALL CONFORM TO THE APPLICABLE PORTIONS OF SECTIONS 353, 406, 602, AND 603 OF THE STANDARD SPECIFICATIONS EXCEPT THAT "THE CONTRACTOR SHALL ADJUST THE STRUCTURES TO THE FINISHED PAVEMENT ELEVATION NO MORE THAN 5 CALENDAR DAYS PRIOR TO PLACEMENT OF THE FINAL LIFT OF SURFACE UNLESS APPROVED BY THE ENGINEER."

**LEGEND**

- ① SUB-BASE GRANULAR MATERIAL
- ② EXISTING PAVEMENT
- ③ 36 (900) DIAMETER METAL PLATE
- ④ PROPOSED CRUSHED STONE AND HMA SURFACE MIX
- ⑤ EXISTING STRUCTURE
- ⑥ FRAME AND LID (SEE NOTES)
- ⑦ CLASS PP-1\* CONCRETE
- ⑧ PROPOSED HMA SURFACE COURSE
- ⑨ PROPOSED HMA BINDER COURSE

**LOCATION OF STRUCTURES:**

THE CONTRACTOR WILL BE REQUIRED TO KEEP A RECORD OF THE LOCATIONS OF THE BURIED STRUCTURES ACCORDING TO THE STATION AND DISTANCE LEFT OR RIGHT OF THE CENTERLINE OF PAVEMENT. UPON COMPLETION OF THE WORK, THE CONTRACTOR WILL DELIVER THE RECORD TO THE ENGINEER.

**BASIS OF PAYMENT:**

REMOVING FRAMES AND LIDS ON DRAINAGE AND UTILITY STRUCTURES IN THE PAVEMENT PRIOR TO MILLING, AND ADJUSTING TO FINAL GRADE PRIOR TO PLACING THE SURFACE COURSE, WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR "FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)."

THIS WORK WILL NOT BE PAID FOR WHEN DRAINAGE AND UTILITY STRUCTURES ARE SPECIFIED FOR PAYMENT AS STRUCTURE RECONSTRUCTION.

NEW FRAMES AND LIDS, WHEN SPECIFIED, WILL BE PAID FOR SEPARATELY.

**NOTES:**

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 IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS UNLESS A SEPARATE PAY ITEM HAS BEEN PROVIDED.

IF THE EXISTING LIDS ARE OPEN, THE FRAME WILL BE ADJUSTED TO THE ELEVATION OF THE MILLED PAVEMENT SURFACE PRIOR TO THE MILLING OPERATION. THE FRAME WILL NOT BE REMOVED AND COVERED BY THE METAL PLATE.

CITY OF CHICAGO CASTINGS ARE THE PROPERTY OF THE CITY AND THE CONTRACTOR SHALL NOTIFY THE CITY FOR REMOVAL AND DISPOSITION OF THE CASTINGS.

THE METAL PLATE USED TO COVER THE STRUCTURE SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.

WHEN STRUCTURES ARE TO BE ADJUSTED OR RECONSTRUCTED, THE LOWERING AND RAISING OF THE FRAMES AND LIDS WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE COST OF THE CORRESPONDING PAY ITEM.

**DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING**

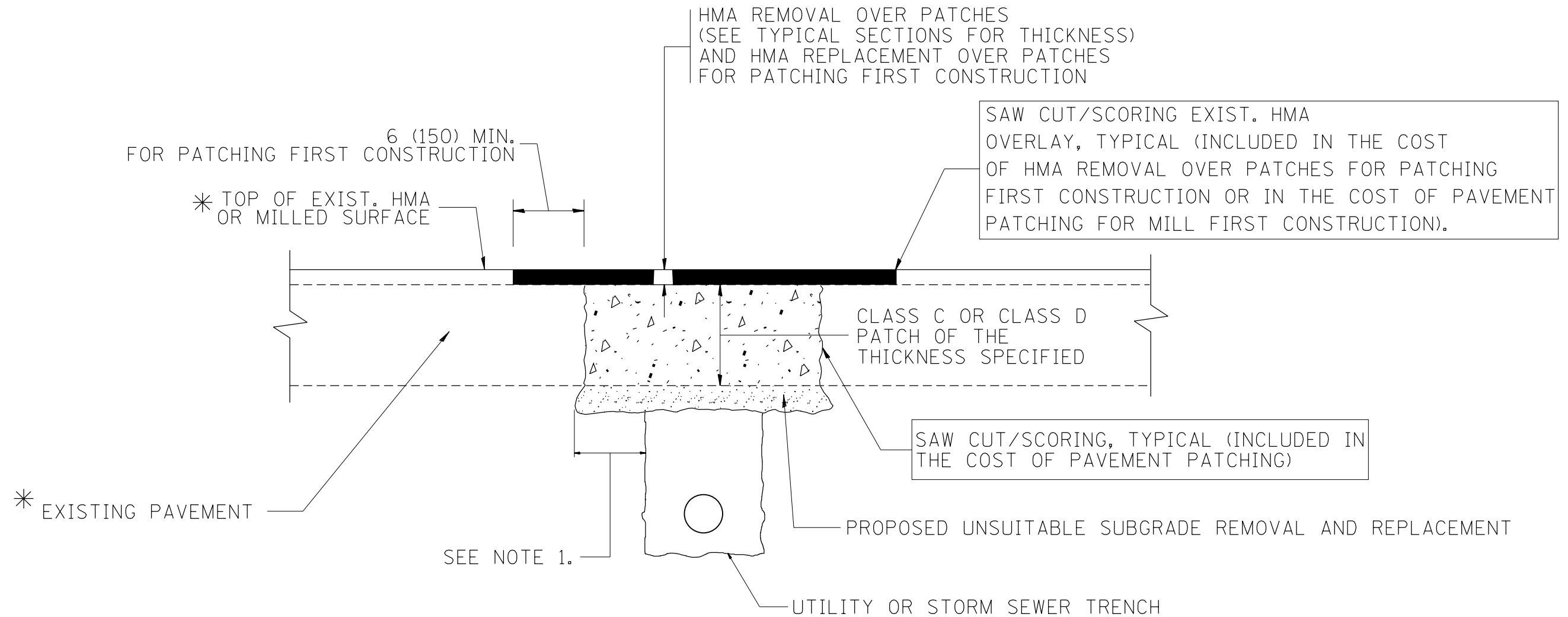
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

FILE NAME =	USER NAME = grouevmk	DESIGNED - R. SHAH	REVISED - R. WIEDEMAN 05-14-04
p:\1\084EBIDINTEG.illinois.gov\PIWIDOT\Documents\IDOT Offices\District 1\Projects\DI0151\BRAW\Design\DistStd.dgn		CHECKED -	REVISED - R. BORO 01-01-07
	PLOT SCALE = 100.0000' / 1in.	DATE - 10-25-94	REVISED - R. BORO 03-09-11
	PLOT DATE = 8/16/2018		REVISED - R. BORO 12-06-11

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING</b>			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	(130 & 131)RS-4	DUPAGE	55	42
<b>BD600-03 (BD-8)</b>			<b>CONTRACT NO. 62F57</b>	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



\* SEE TYPICAL SECTIONS FOR THICKNESS AND MATERIALS

**NOTES:**

1. THE WIDTH OF THE FULL DEPTH PATCH OVER A TRENCH SHALL BE 12 (300) WIDER ON EACH SIDE OF THE TRENCH.
2. FOR METHOD OF MEASUREMENT AND BASIS OF PAYMENT, SEE RECURRING SPECIAL PROVISION "PATCHING WITH HOT-MIX ASPHALT OVERLAY REMOVAL".

SEQUENCE OF CONSTRUCTION (PATCHING FIRST)

1. REMOVE THE EXISTING HMA MATERIAL OVER THE AREA TO BE PATCHED.
2. REMOVE AND REPLACE WITH CLASS C OR D PATCH.
3. REPLACE HMA MATERIAL OVER THE AREA TO BE PATCHED.

SEQUENCE OF CONSTRUCTION (MILLING FIRST)

1. MILL HMA FIRST IF THERE IS AT LEAST 4 1/2 INCHES OR MORE OF HMA MATERIAL ON TOP OF THE EXISTING PAVEMENT OR IF THE PAVEMENT IS FULL DEPTH HMA. A MINIMUM OF 2 INCHES OF HMA MATERIAL SHALL BE IN PLACE AFTER MILLING.
2. REMOVE AND REPLACE WITH FULL DEPTH CLASS D PATCHES TO TOP OF MILLED SURFACE.

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

FILE NAME =	USER NAME = grouevmk	DESIGNED - R. SHAH	REVISED - A. ABBAS 04-27-98	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\IL\084EBIDINTEG.illinois.gov\PWIDOT\Documents\DOT Offices\District 1\Projects\DI0151\BRAW\Design\DistStd.dgn	PLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISED - R. BORO 01-01-07					307	(130 & 131)RS-4	DUPAGE	55	43
PLOT DATE = 8/16/2018	DATE - 10-25-94	REVISED - R. BORO 09-04-07	REVISED - K. ENG 10-27-08		BD400-04 (BD-22)			CONTRACT NO. 62F57				
					SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.		FED. ROAD DIST. NO. 1 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  
EXISTING OR PROPOSED HMA SURFACE (IF APPLICABLE)

18" (450) MAX.

1/4" (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 3/4" (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.

NOTE: ① 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.

② FERTILIZER FOR THE PLACEMENT OF THE SOD IS NOT REQUIRED

③ CURB OR CURB AND GUTTER REPLACEMENT SHALL MATCH THE SHAPE OF THE EXISTING CURB OR CURB AND GUTTER UNLESS OTHERWISE SPECIFIED.

④ FOR CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT ADJACENT TO FLEXIBLE PAVEMENT DELETE EPOXY COATED TIE BARS.

⑤ 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.

⑥ 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.

⑦ 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.

⑧ 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.

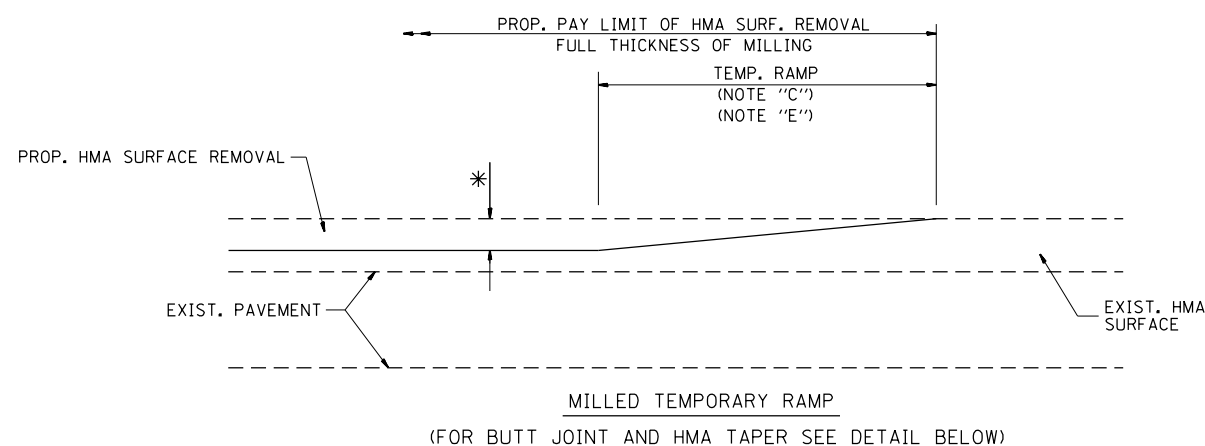
PROPOSED #6 (20) EPOXY COATED TIE BARS 24" (600) LONG AT 24" (600) CENTERS WILL NOT BE PAID FOR SEPARATELY. DELETE EPOXY COATED TIE BARS IF EXISTING TIE BARS ARE USABLE AS DETERMINED BY THE ENGINEER. (SEE NOTE ③).

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".

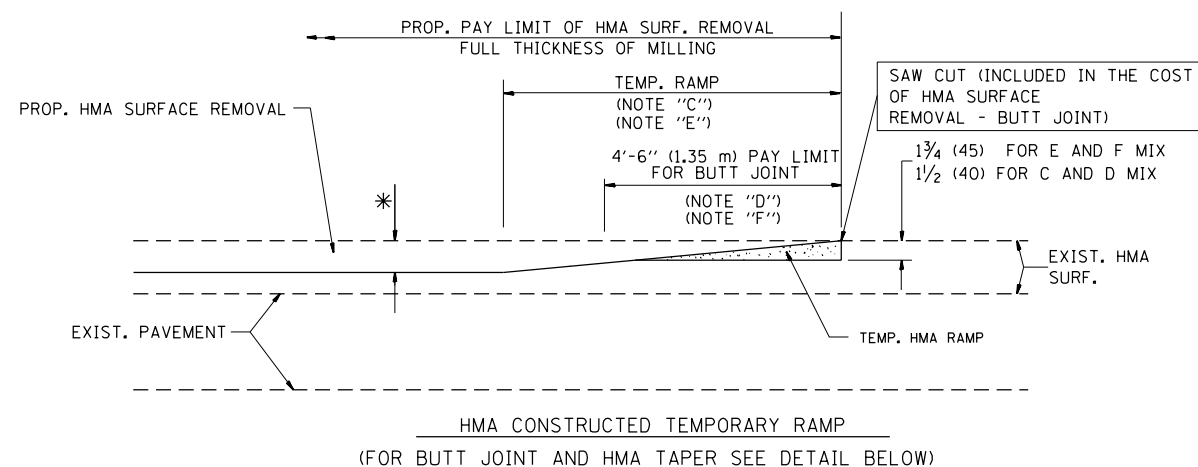
# CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

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

FILE NAME =	USER NAME = grouevmk	DESIGNED - A. HOUSEH	REVISED - R. SHAH 10-03-96	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT</b>	F.A.P. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw\11084EBIDINTEG.illinois.gov\PIWIDOT\Documents\DOT Offices\District 1\Projects\DI0151\BRAW\Design\DistStd.dgn	PLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISED - A. ABBAS 03-21-97			307	(130 & 131)RS-4	DUPAGE	55	44
PLOT DATE = 8/16/2018	DATE - 03-11-94	REVISED - M. GOMEZ 01-22-01	REVISED - R. BORO 12-15-09			<b>BD600-06 (BD-24)</b>		<b>CONTRACT NO. 62F57</b>		
						SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT

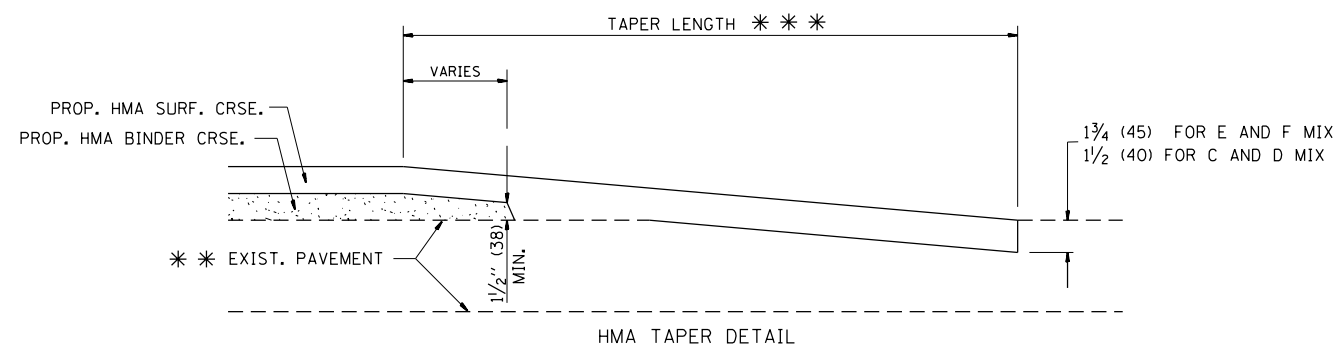
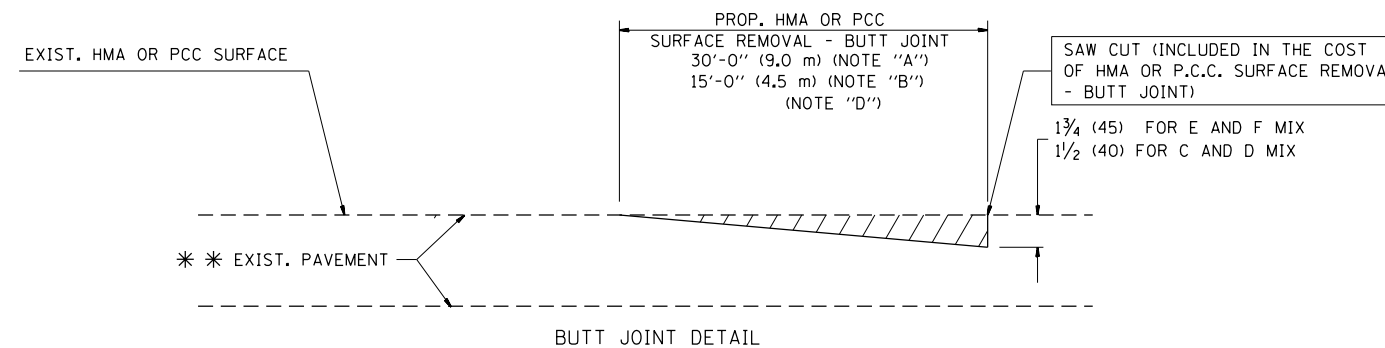


**OPTION 1**



**OPTION 2**

**TYPICAL TEMPORARY RAMP**



**TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY**

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

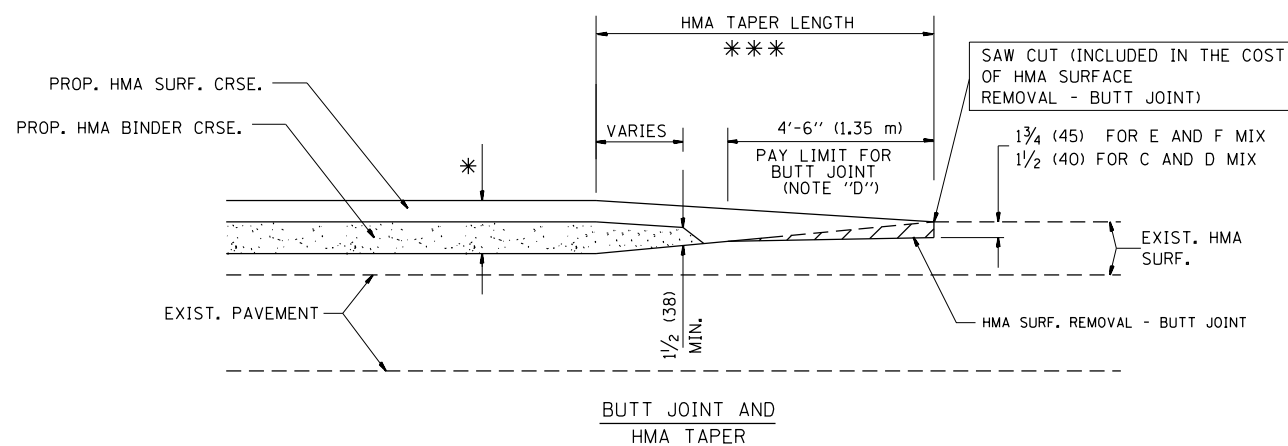
**NOTES**

- 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
  - G: SEE ARTICLE 406.08 AND 406.14 OF THE STANDARD SPECIFICATIONS FOR "HMA AND/OR PCC SURFACE REMOVAL, BUTT JOINT".
- \* SEE TYPICAL SECTIONS FOR MILLING THICKNESS.
- \*\*\* 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.



**TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING**

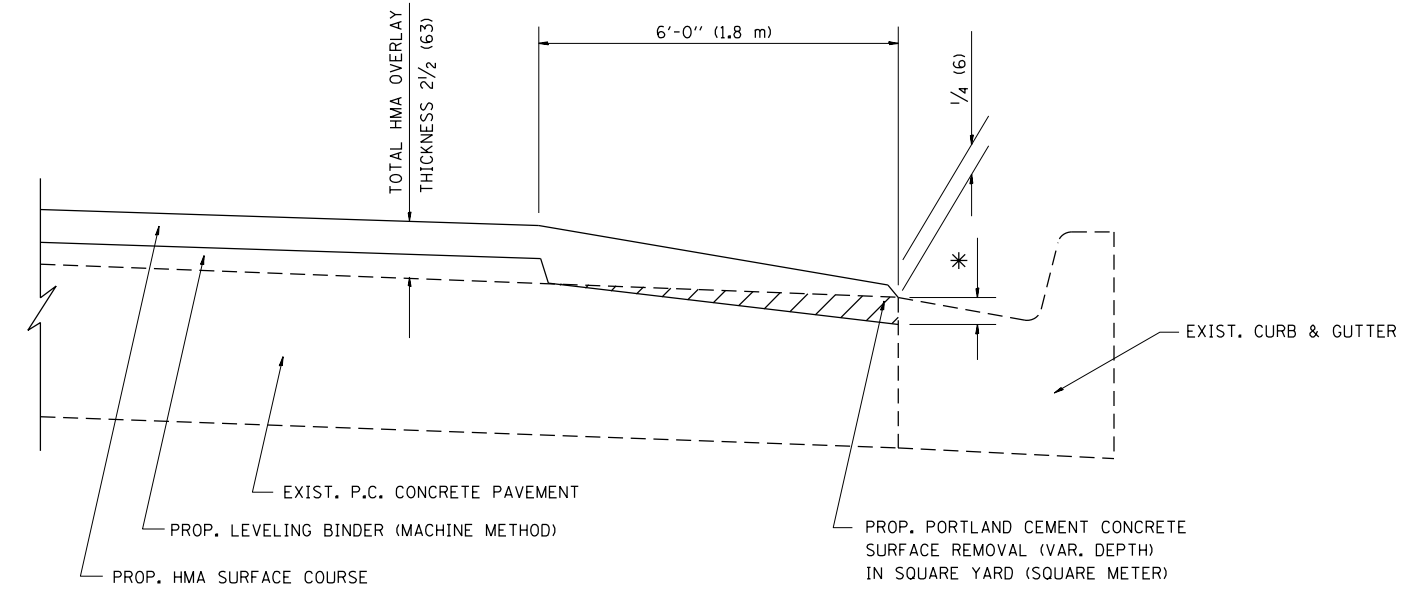
FILE NAME =	USER NAME = grouevmk	DESIGNED - M. DE YONG	REVISED - R. SHAH 10-25-94
p:\11\084EBIDINTEG.illinois.gov\PIWIDOT\Documents\DOT Offices\District 1\Projects\DI0151\BRAW\Design\DistStd.dgn			REVISED - A. ABBAS 03-21-97
	PLOT SCALE = 100.0000' / 1"	CHECKED -	REVISED - M. GOMEZ 04-06-01
	PLOT DATE = 8/16/2018	DATE - 06-13-90	REVISED - R. BORO 01-01-07

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**BUTT JOINT AND  
HMA TAPER DETAILS**

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	(130 & 131)RS-4	DUPAGE	55	45
<b>BD400-05 BD32</b>		<b>CONTRACT NO. 62F57</b>		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



HMA TAPER AT  
EDGE OF P.C.C. PAVEMENT

HMA SURFACE	THICKNESS	LEVELING BINDER THICKNESS	* MILLING AT GUTTER FLAG
C OR D	1 1/2 (38)	1 (25)	1/4 (33)
E	1 3/4 (44)	3/4 (19)	1/2 (38)

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

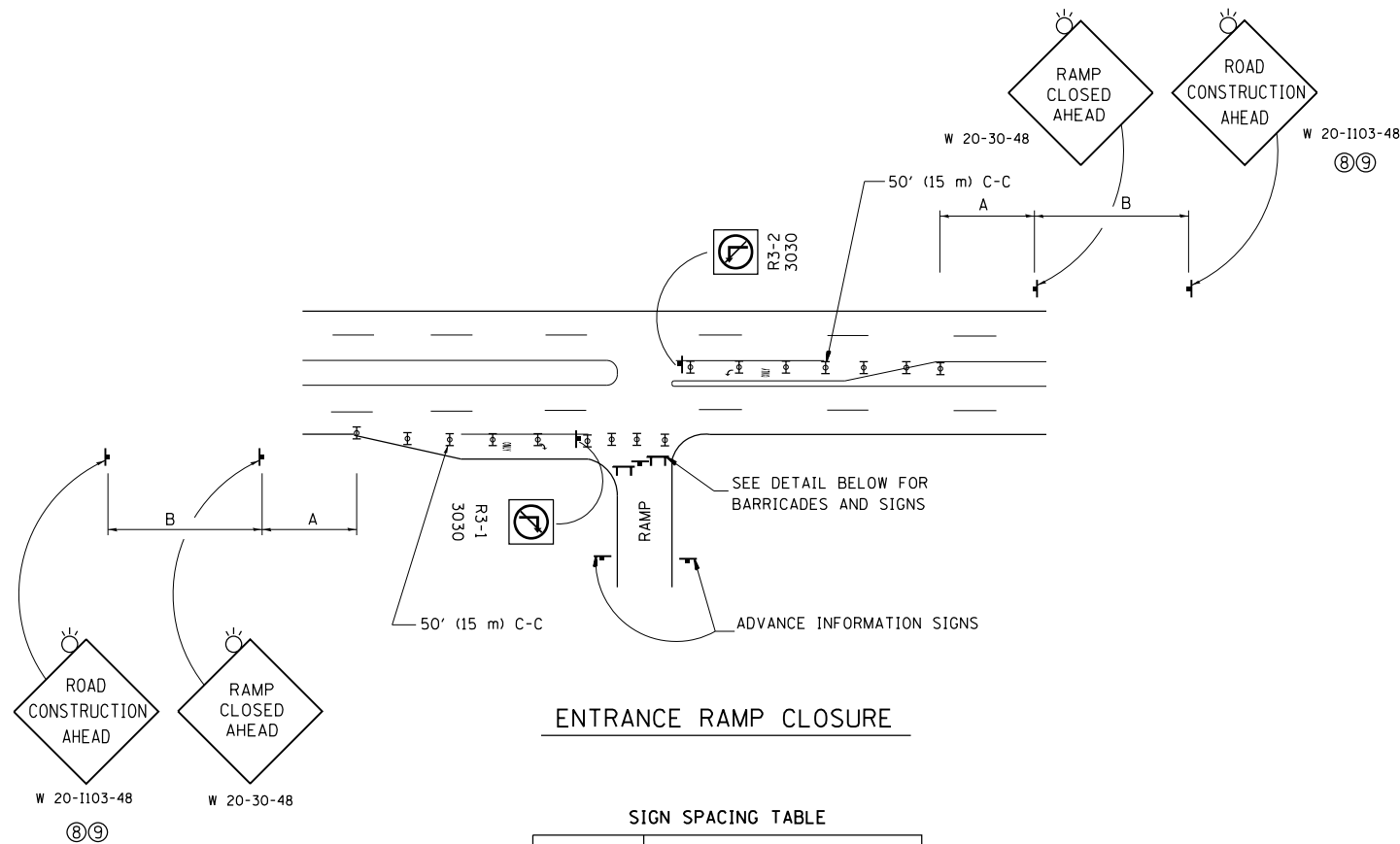
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Default	PLOT SCALE = 100.0000' / 1in.	DATE - 09-10-94	REVISED - R. BORO 01-01-07
	PLOT DATE = 8/16/2018		REVISED - JP CHANG 07-08-16

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

HMA TAPER AT  
EDGE OF P.C.C. PAVEMENT

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	(130 & 131)RS-4	DUPAGE	55	46
BD400-06 (BD33)		CONTRACT NO.	62F57	
ILLINOIS FED. AID PROJECT				

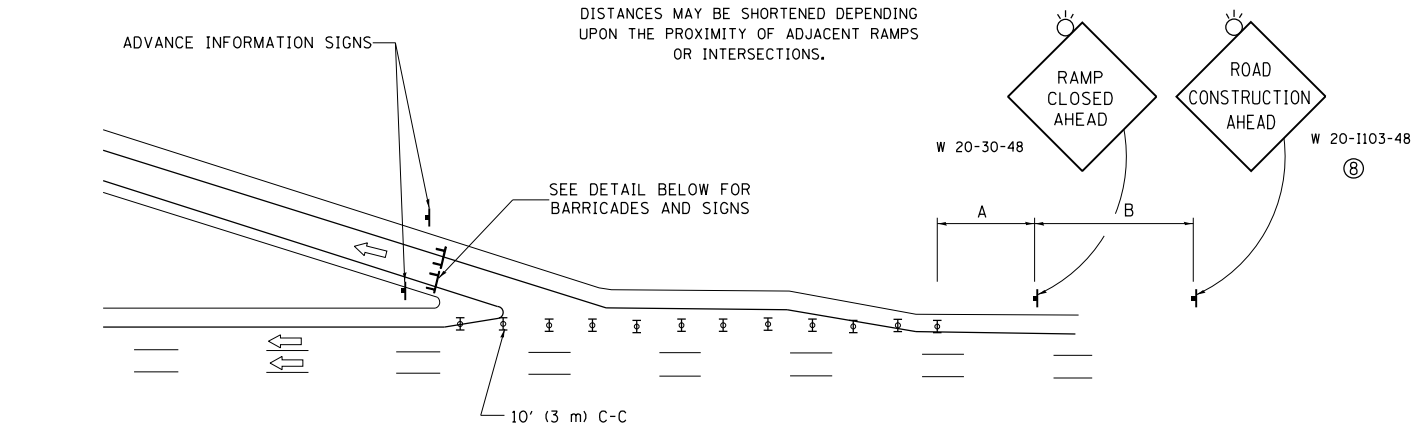


**ENTRANCE RAMP CLOSURE**

**SIGN SPACING TABLE**

FACILITY	DISTANCE BETWEEN SIGNS	
	A	B
EXPRESSWAY >24 HOURS	1000' (300 m)	1500' (450 m)
EXPRESSWAY <24 HOURS	500' (150 m)	500' (150 m)
ARTERIAL 55 MPH	500' (150 m)	500' (150 m)
ARTERIAL 50-45 MPH	350' (100 m)	350' (100 m)
ARTERIAL <45 MPH	200' (60 m)	200' (60 m)

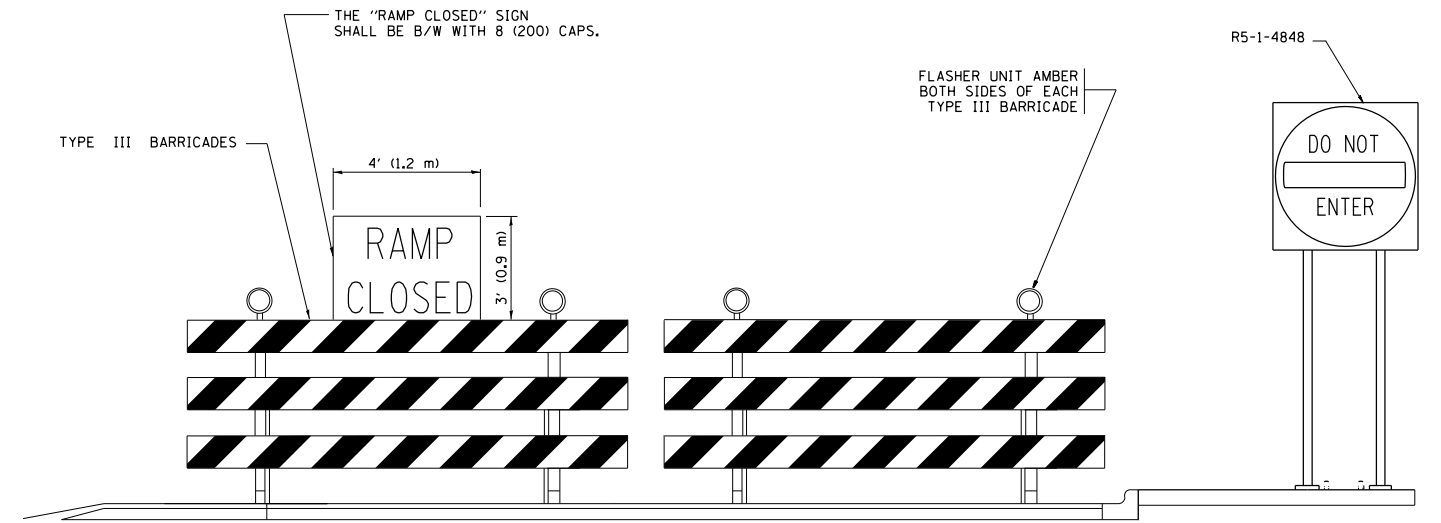
DISTANCES MAY BE SHORTENED DEPENDING UPON THE PROXIMITY OF ADJACENT RAMPS OR INTERSECTIONS.



**EXIT RAMP CLOSURE**

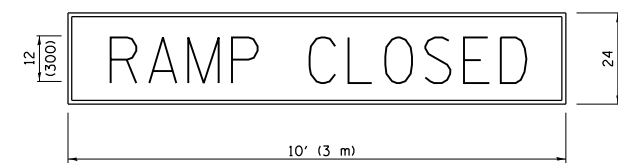
**SYMBOLS**

- ⊥ TYPE II BARRICADE OR DRUM
- ⊥ TYPE III BARRICADE WITH 2 FLASHING LIGHTS



**DETAIL FOR REQUIRED BARRICADES & SIGNS**

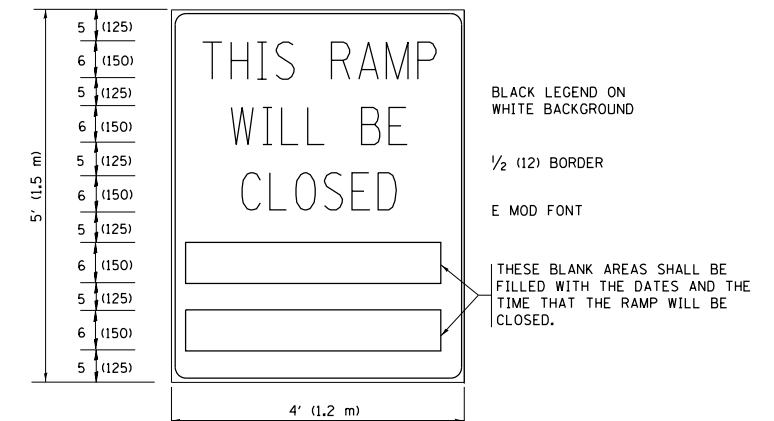
**RAMP CLOSURE ADVANCE WARNING SIGN**



BLACK LEGEND ON ORANGE BACKGROUND MOUNTED DIAGONALLY  
E MOD FONT  
1 (25) BORDER

THESE SIGNS ARE REQUIRED ON ALL THE EXIT GUIDE SIGNS FOR EXIT RAMPS THAT WILL BE CLOSED FOR MORE THAN FOUR (4) CONSECUTIVE DAYS.

**RAMP CLOSURE ADVANCE INFORMATION SIGN**



BLACK LEGEND ON WHITE BACKGROUND

1/2 (12) BORDER

E MOD FONT

THESE BLANK AREAS SHALL BE FILLED WITH THE DATES AND THE TIME THAT THE RAMP WILL BE CLOSED.

THESE SIGNS ARE REQUIRED ON BOTH SIDES OF THE RAMP, MINIMUM OF 1 WEEK IN ADVANCE OF THE CLOSURE.

THESE SIGNS SHALL BE FABRICATED AND PAID FOR ACCORDING TO THE TEMPORARY INFORMATION SIGNING SPECIAL PROVISION

**GENERAL NOTES:**

- ① CONES MAY BE SUBSTITUTED FOR DRUMS OR TYPE II BARRICADES DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (700) HIGH.
- ② VERTICAL BARRICADES SHALL NOT BE USED FOR RAMP CLOSURES.
- ③ A FLAGGER SHALL BE POSITIONED AT EACH CLOSED RAMP THAT IS OPEN TO CONSTRUCTION VEHICLES, PRECEDED BY A W20-7 FLAGGER WARNING SIGN.
- ④ ALL ROUTE MARKERS AND TRAILBLAZER ASSEMBLIES WHICH DIRECT MOTORISTS TO A CLOSED ENTRANCE RAMP SHALL BE COVERED WHEN THE RAMP IS CLOSED FOR MORE THAN FOUR (4) DAYS.
- ⑤ THE SIGNING AND BARRICADING WHICH IS REQUIRED BY THIS DETAIL SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS).
- ⑥ AUTHORIZATION FROM THE DISTRICT'S BUREAU OF TRAFFIC IS REQUIRED FOR ALL RAMP CLOSURES.
- ⑦ THE RAMP CLOSURE ADVANCE INFORMATION SIGNS SHALL BE ERECTED IF THE CLOSURE TIME EXCEEDS TWENTY-FOUR (24) HOURS. ADDITIONAL ADVANCE WARNING SIGNS ON EXIT GUIDE SIGNING WILL BE REQUIRED FOR EXIT RAMP CLOSURES THAT EXCEED FOUR (4) DAYS IN LENGTH.
- ⑧ ROAD CONSTRUCTION AHEAD SIGNS MAY BE OMITTED WHEN THIS DETAIL IS USED IN CONJUNCTION WITH OTHER TRAFFIC CONTROL THAT ALREADY INCLUDES A ROAD CONSTRUCTION AHEAD SIGN.
- ⑨ ARTERIAL ROAD CONSTRUCTION AHEAD SIGNS SHALL BE INSTALLED ON THE LEFT SIDE OF TRAFFIC IF THE MEDIAN IS MORE THAN 10 FT WIDE.

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

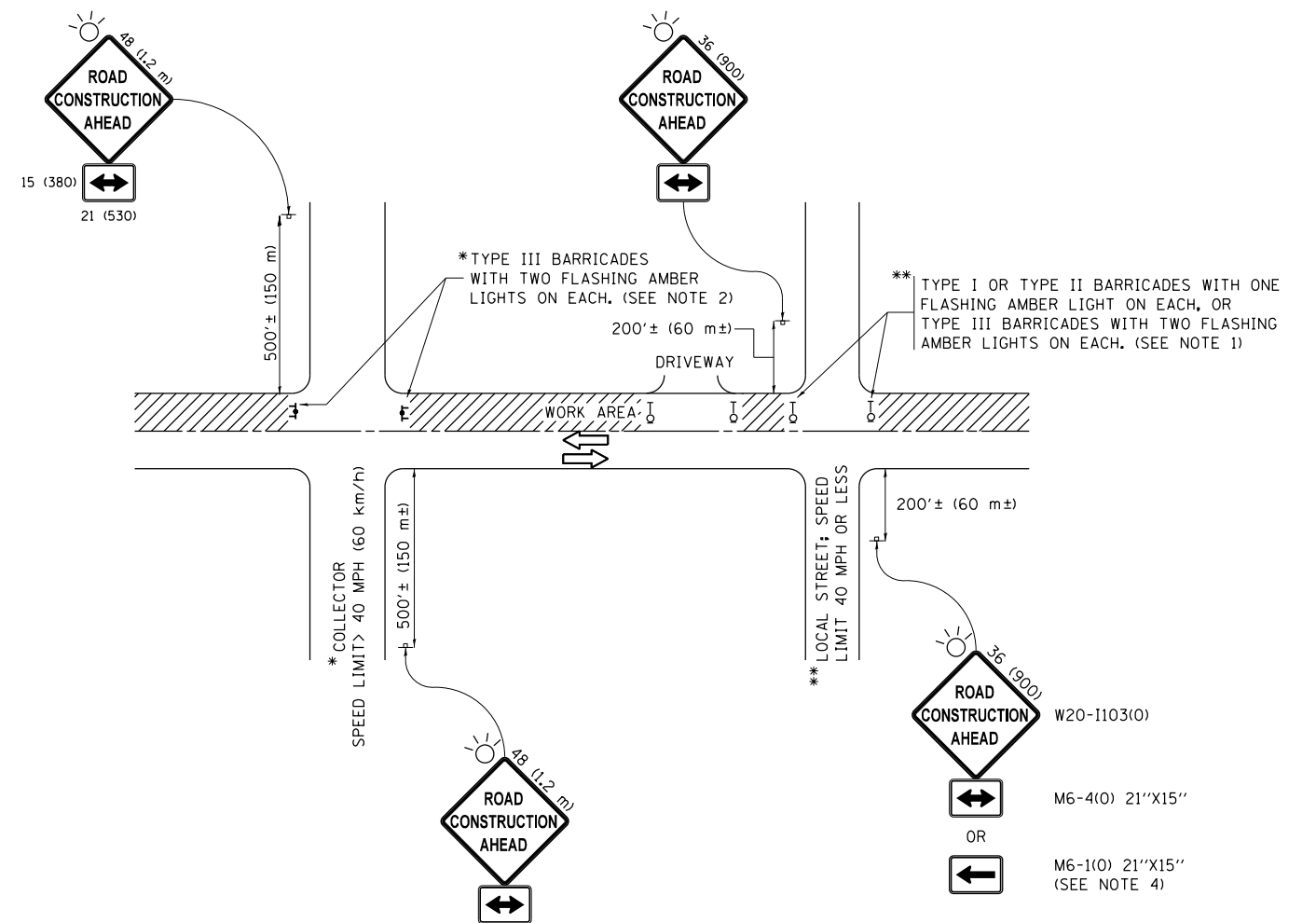
FILE NAME =	USER NAME = grouevmk	DESIGNED - D.W.S.	REVISED - S.P.B. 01-07
p:\1\084EBIDINTEG\illinois.gov\PI\DOT\Documents\DOT Offices\District 1\Projects\01815\BRAW\Notes\Design\DistStd.dgn		CHECKED -	REVISED - S.P.B. 12-09
Default	PLOT SCALE = 100.0000' / 1in.	DATE - 02-83	REVISED - M.D. 06-13
	PLOT DATE = 8/16/2018		REVISED - M.D. 01-18

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ENTRANCE AND EXIT RAMP  
CLOSURE DETAILS**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	(130 & 131)RS-4	DUPAGE	55	47
<b>TC-08</b>			<b>CONTRACT NO. 62F57</b>	
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) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY 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. WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE 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.

FILE NAME =	USER NAME = grouevmk	DESIGNED - L.H.A.	REVISED - A. HOUSEH 10-15-96
pw:\IL\084EBIDINTEG\Illinois.gov\PWIDOT\Documents\IDOT Offices\District 1\Projects\DI015\BRAW\Notes\Design\DistStd.dgn			REVISED - T. RAMMACHER 01-06-00
Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED - A. SCHUETZE 07-01-13
	PLOT DATE = 8/16/2018	DATE - 06-89	REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

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

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	(130 & 131)RS-4	DUPAGE	55	48
<b>TC-10</b>			<b>CONTRACT NO. 62F57</b>	
ILLINOIS FED. AID PROJECT				



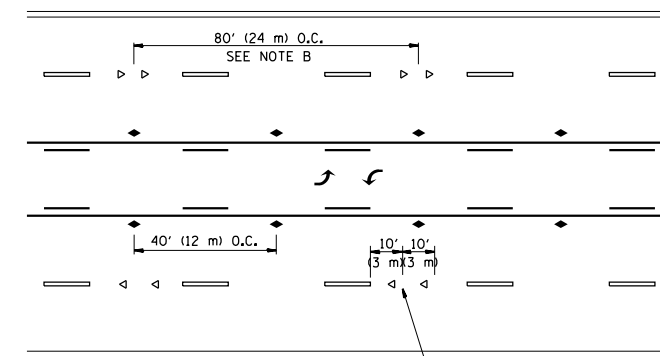


\*\*\* REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

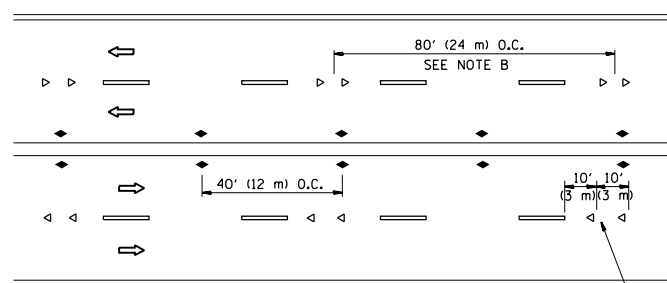
TWO-LANE/TWO-WAY



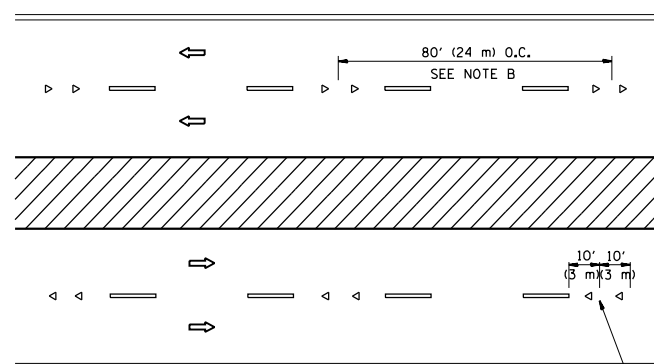
LANE REDUCTION TRANSITION



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.

SYMBOLS

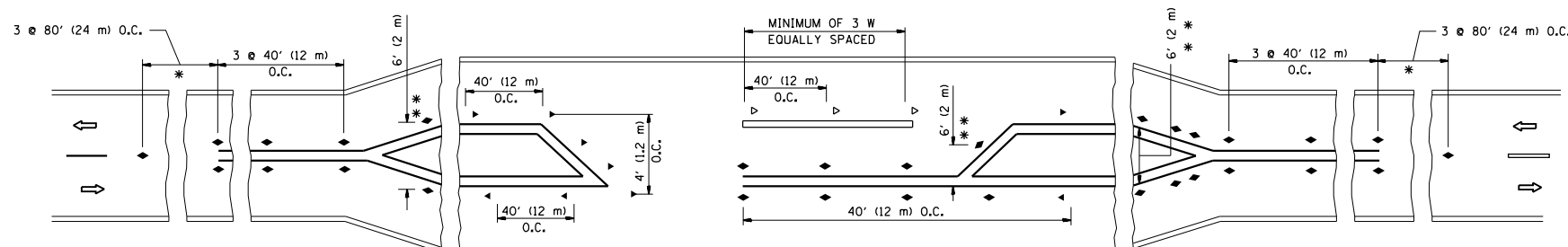
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◁ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

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.

LEFT TURN

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

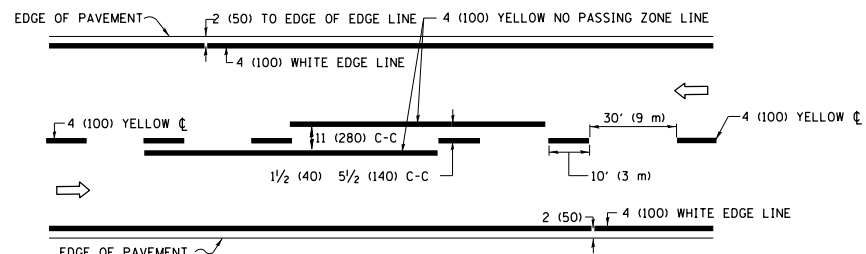
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pw:\IL\084EBIDINTEG\illinois.gov\PIWIDOT\Documents\IDOT Offices\District 1\Projects\DI0151\BRAWN\Design\DistStd.dgn		CHECKED -	REVISED - T. RAMMACHER 03-12-99
		DATE -	REVISED - T. RAMMACHER 01-06-00
			REVISED - C. JUCIUS 09-09-09

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

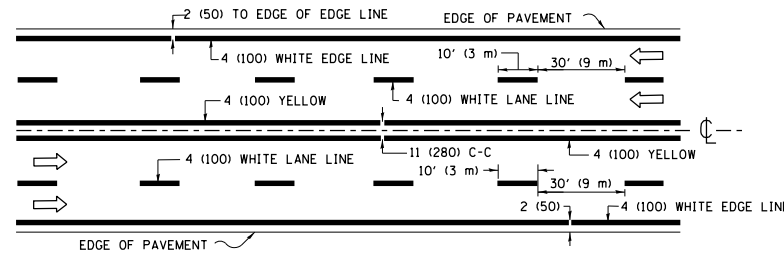
TYPICAL APPLICATIONS  
 RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

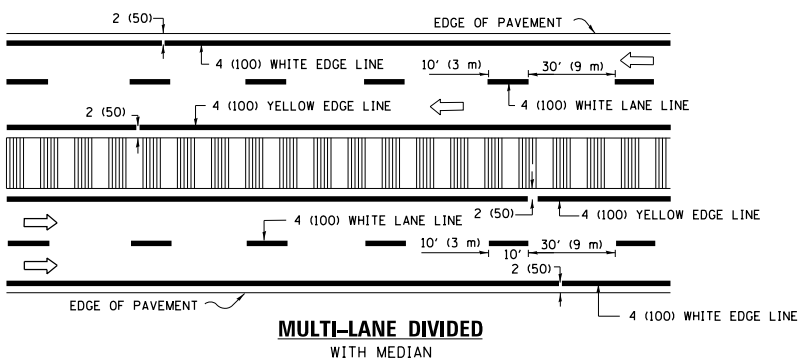
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	(130 & 131)RS-4	DUPAGE	55	49
TC-11		CONTRACT NO. 62F57		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



**2-LANE ROADWAY**

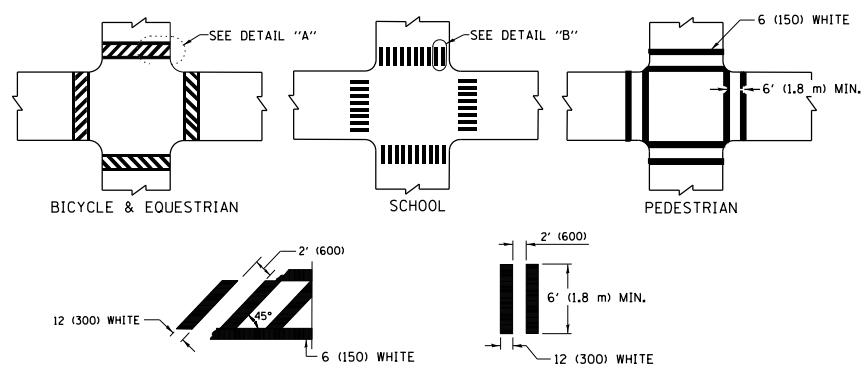


**MULTI-LANE UNDIVIDED**



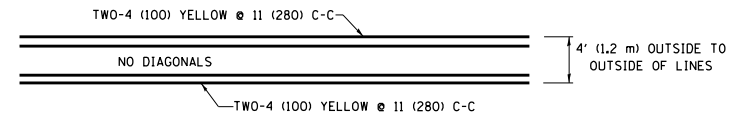
**MULTI-LANE DIVIDED WITH MEDIAN**

**TYPICAL LANE AND EDGE LINE MARKING**

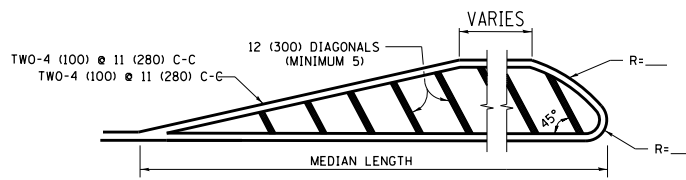


**TYPICAL CROSSWALK MARKING**

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

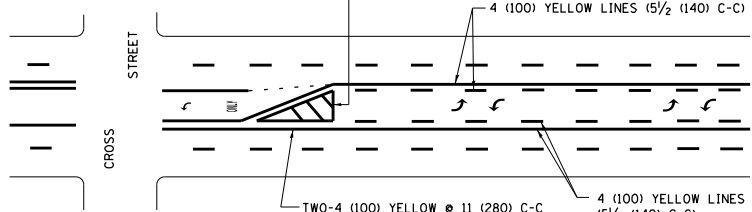


**4' (1.2 m) WIDE MEDIANS ONLY**



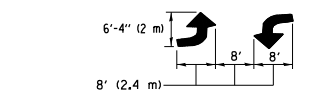
**MEDIANS OVER 4' (1.2 m) WIDE**

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))



**MEDIAN WITH TWO-WAY LEFT TURN LANE TYPICAL PAINTED MEDIAN MARKING**

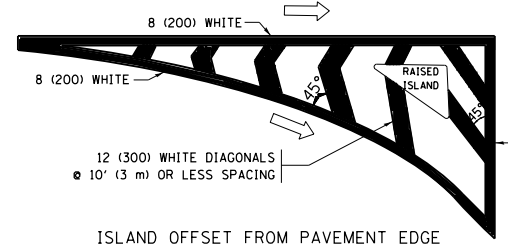
A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



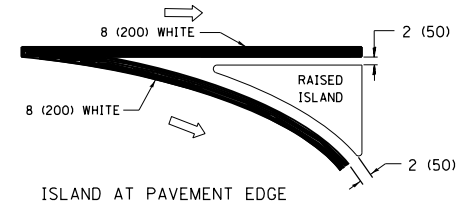
**TYPICAL LEFT (OR RIGHT) TURN LANE**

FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.  
AREA = 15.6 SQ. FT. (1.5 m<sup>2</sup>) ONLY AREA = 20.8 SQ. FT. (1.9 m<sup>2</sup>)  
\* 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".

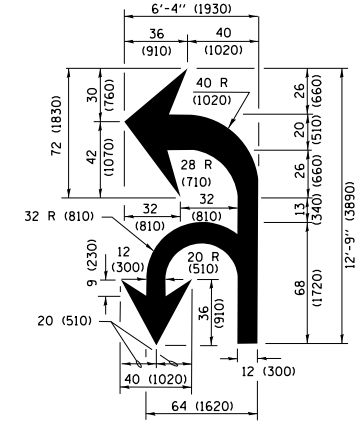
**TYPICAL TURN LANE MARKING**



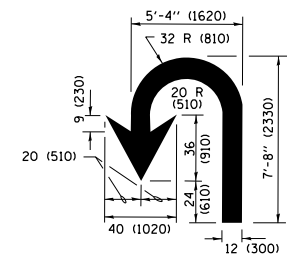
**ISLAND OFFSET FROM PAVEMENT EDGE**



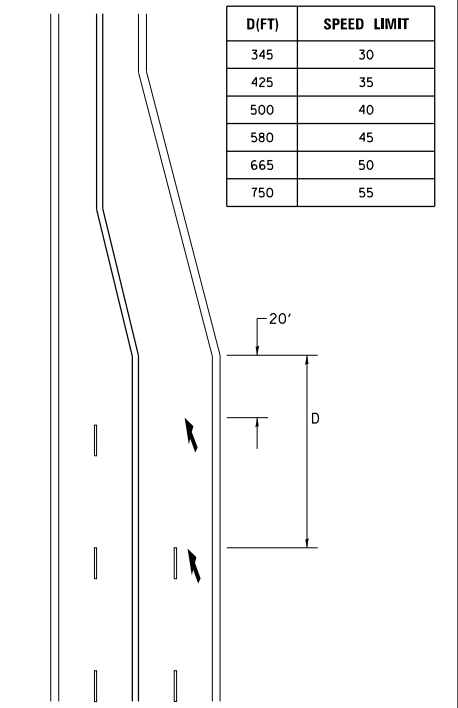
**ISLAND AT PAVEMENT EDGE TYPICAL ISLAND MARKING**



**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.

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 <sup>2</sup> ) EACH "X"=54.0 SQ. FT. (5.0 m <sup>2</sup> )
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.

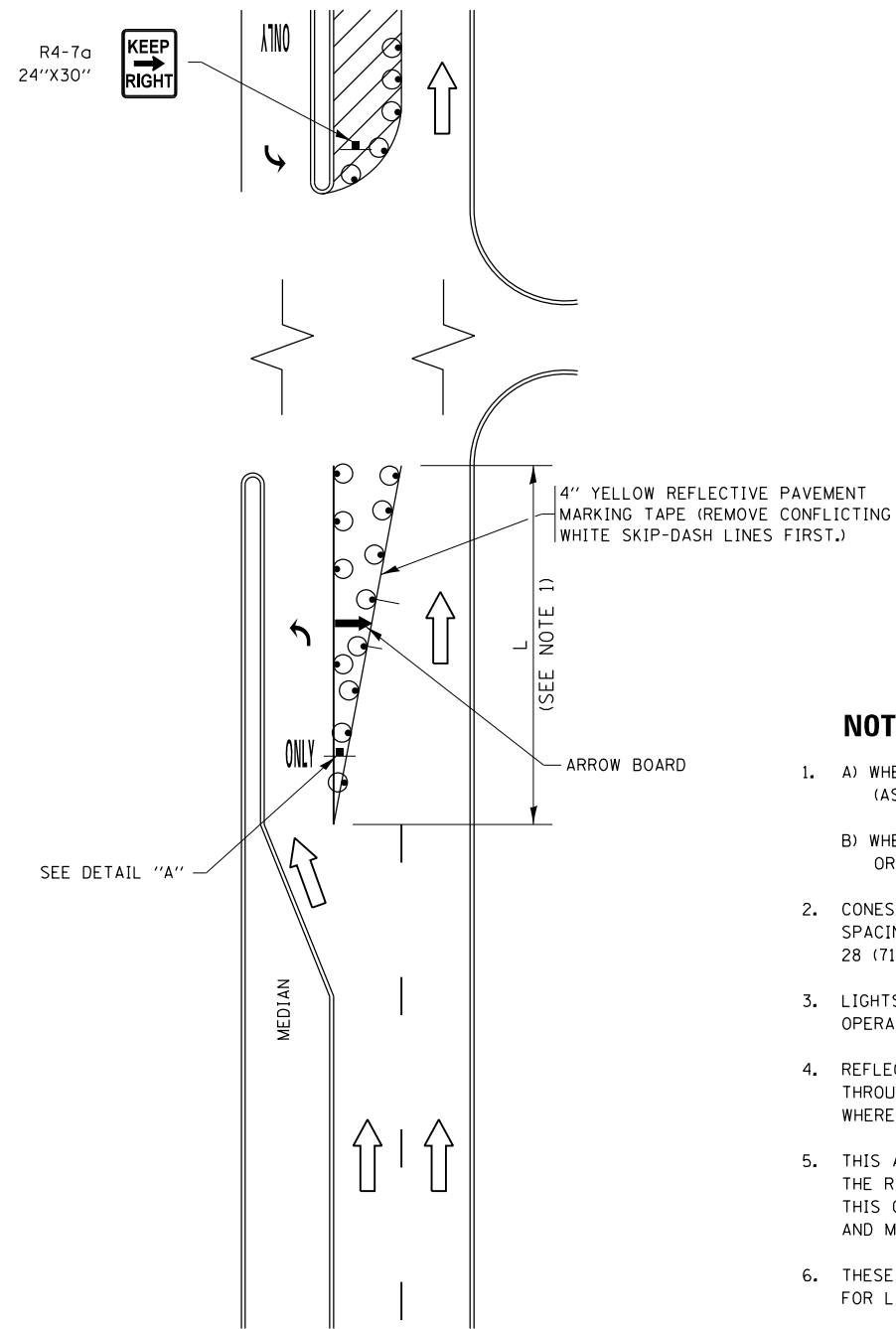
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pw\1\084EBIDINTEG\11\inois.gov\PIWIDOT\Documents\DOT Offices\District 1\Projects\010181\BROWN\Design\DistStd.dgn		CHECKED -	REVISED - C. JUCIUS 07-01-13
Default	PLOT SCALE = 100.0000' / in.	DATE - 03-19-90	REVISED - C. JUCIUS 12-21-15
	PLOT DATE = 8/16/2018		REVISED - C. JUCIUS 04-12-16

**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**

<b>DISTRICT ONE TYPICAL PAVEMENT MARKINGS</b>			
SCALE: NONE	SHEET 1 OF 1 SHEETS	STA. TO STA.	

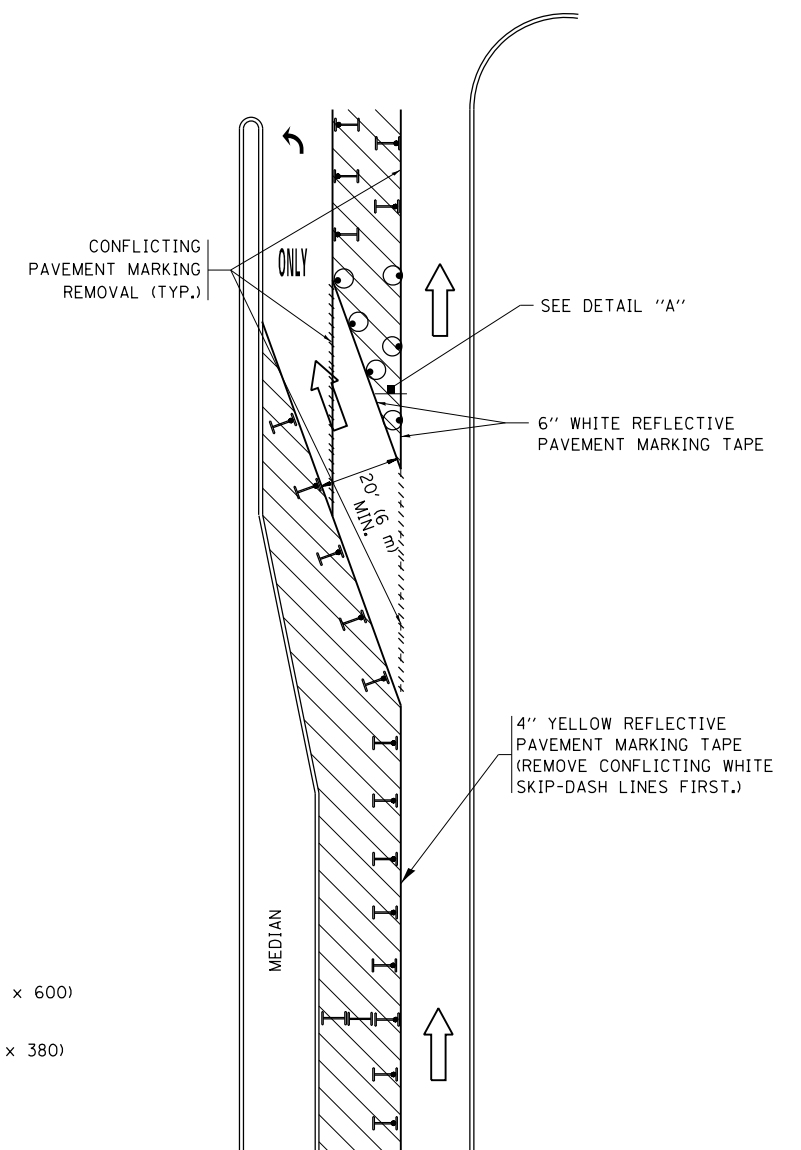
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	(130 & 131)RS-4	DUPAGE	55	50
<b>TC-13</b>			CONTRACT NO.	62F57
ILLINOIS FED. AID PROJECT				

# TURN BAY ENTRANCE AT START OF LANE CLOSURE TAPER

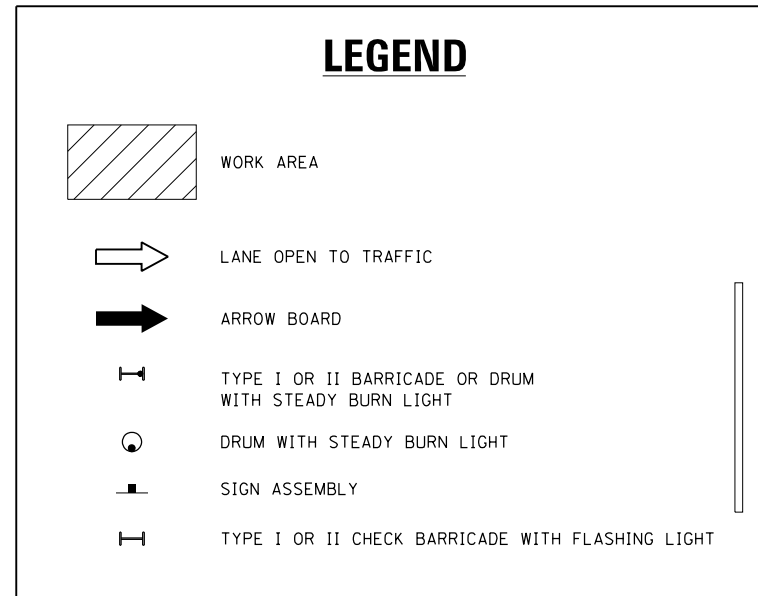


**FIGURE 1**

# TURN BAY ENTRANCE WITHIN A LANE CLOSURE

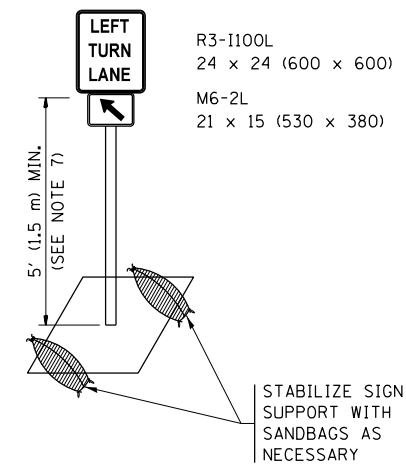


**FIGURE 2**



**NOTES:**

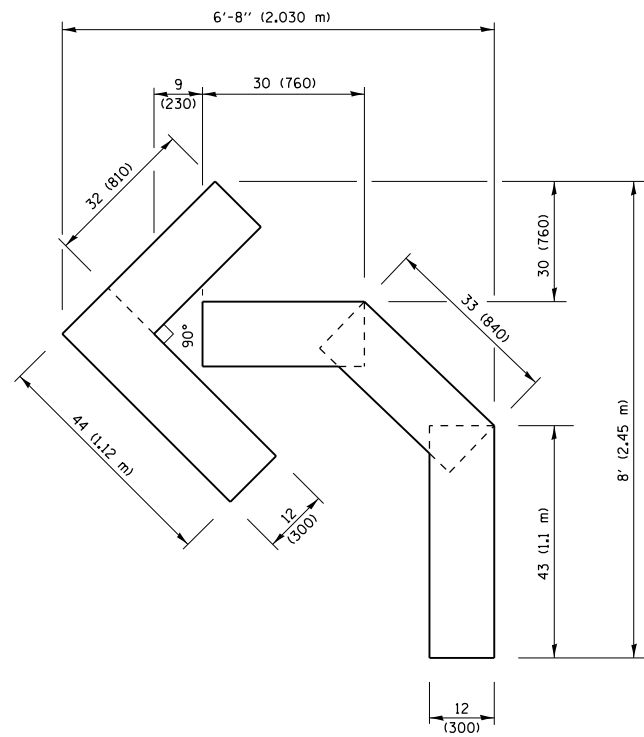
1. A) WHEN "L" IS  $\leq$  THE STORAGE LENGTH OF THE TURN LANE (AS SHOWN IN FIG. 1), USE FIGURE 1.  
B) WHEN "L" IS  $>$  THE STORAGE LENGTH OF THE TURN LANE OR THE TURN LANE IS WITHIN THE LANE CLOSURE, USE FIGURE 2.
2. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. 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 PRE 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.



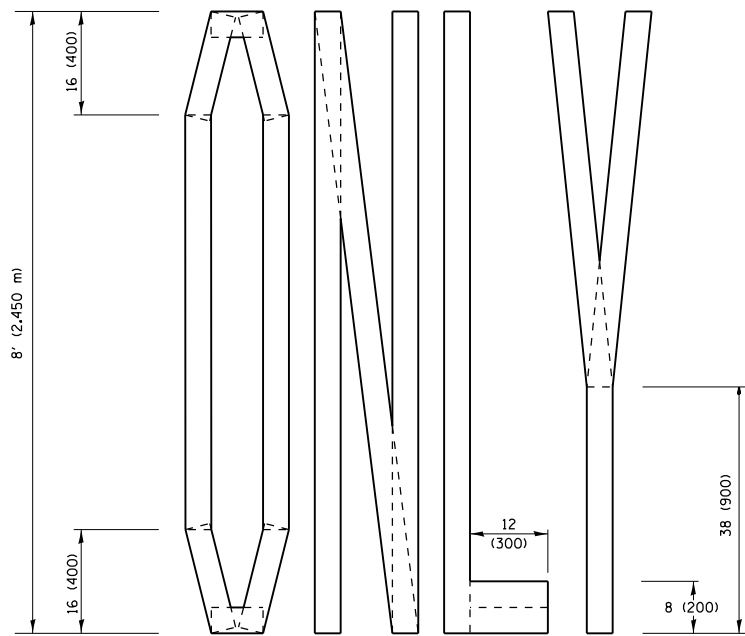
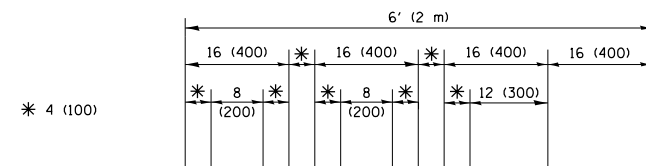
**DETAIL A**

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

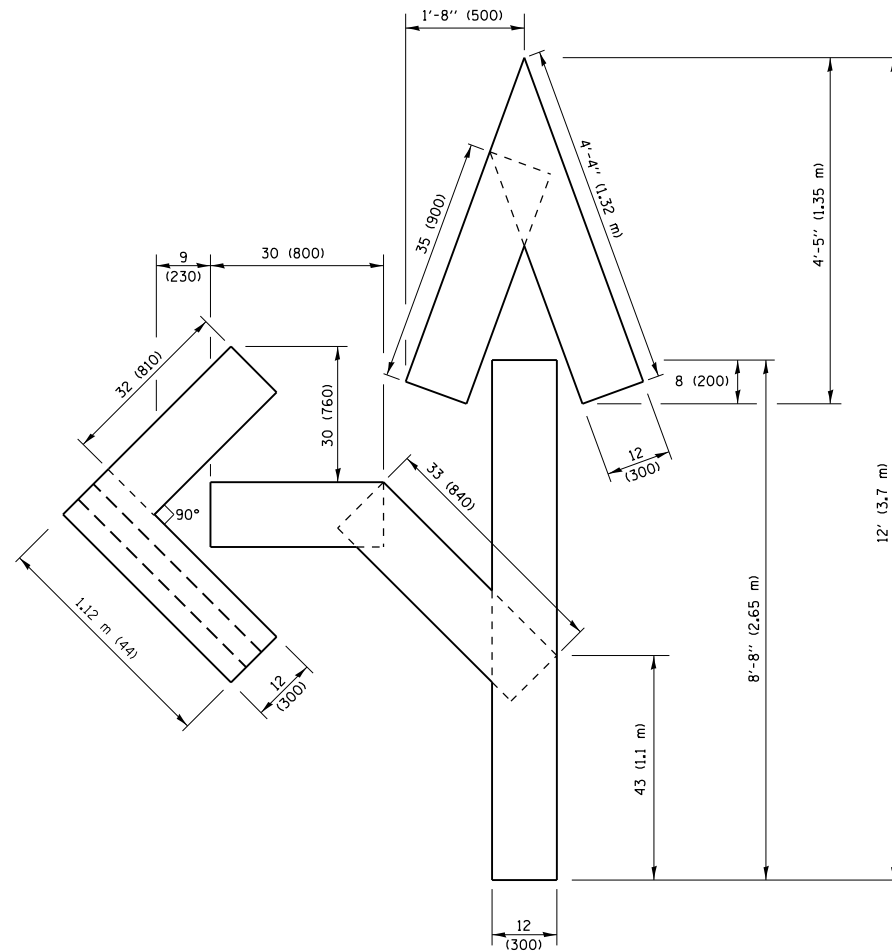
FILE NAME =	USER NAME = grouevmk	REVISED - T. RAMMACHER 09-08-94	REVISED - R. BORO 09-14-09	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC)</b>	F.A.P. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\IL\084EBIDINTEG\illinois.gov\PIWIDOT\Documents\IDOT Offices\District 1\Projects\DI015\REVISED Design\A11056111-07-95	REVISED - A. HOUSEH 11-07-95	REVISED - A. SCHUETZE 07-01-13	REVISED - A. SCHUETZE 07-01-13			307	(130 & 131)RS-4	DUPAGE	55	51
Default	REVISED - A. HOUSEH 10-12-96	REVISED - A. SCHUETZE 09-15-16	REVISED - A. SCHUETZE 09-15-16			<b>TC-14</b>		<b>CONTRACT NO. 62F57</b>		
	REVISED - T. RAMMACHER 01-06-00	REVISED -	REVISED -			ILLINOIS	FED. AID PROJECT			
				SCALE: NONE	SHEET 1 OF 1 SHEETS	STA.	TO STA.			



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



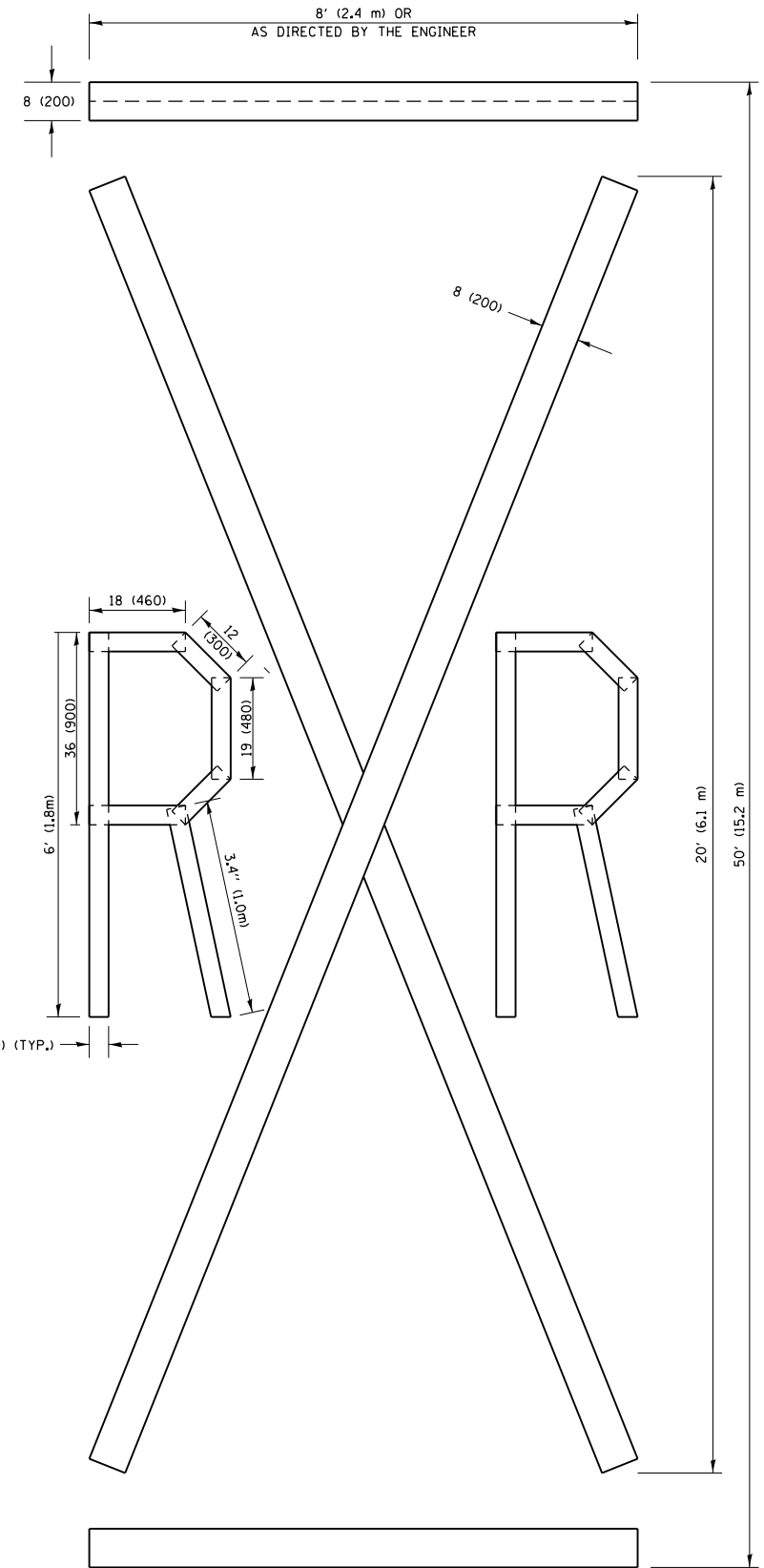
**QUANTITY**  
 4 (100) LINE = 64.1 ft. (19.5 m)  
 21.4 sq. ft. (1.99 sq. m)



**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.

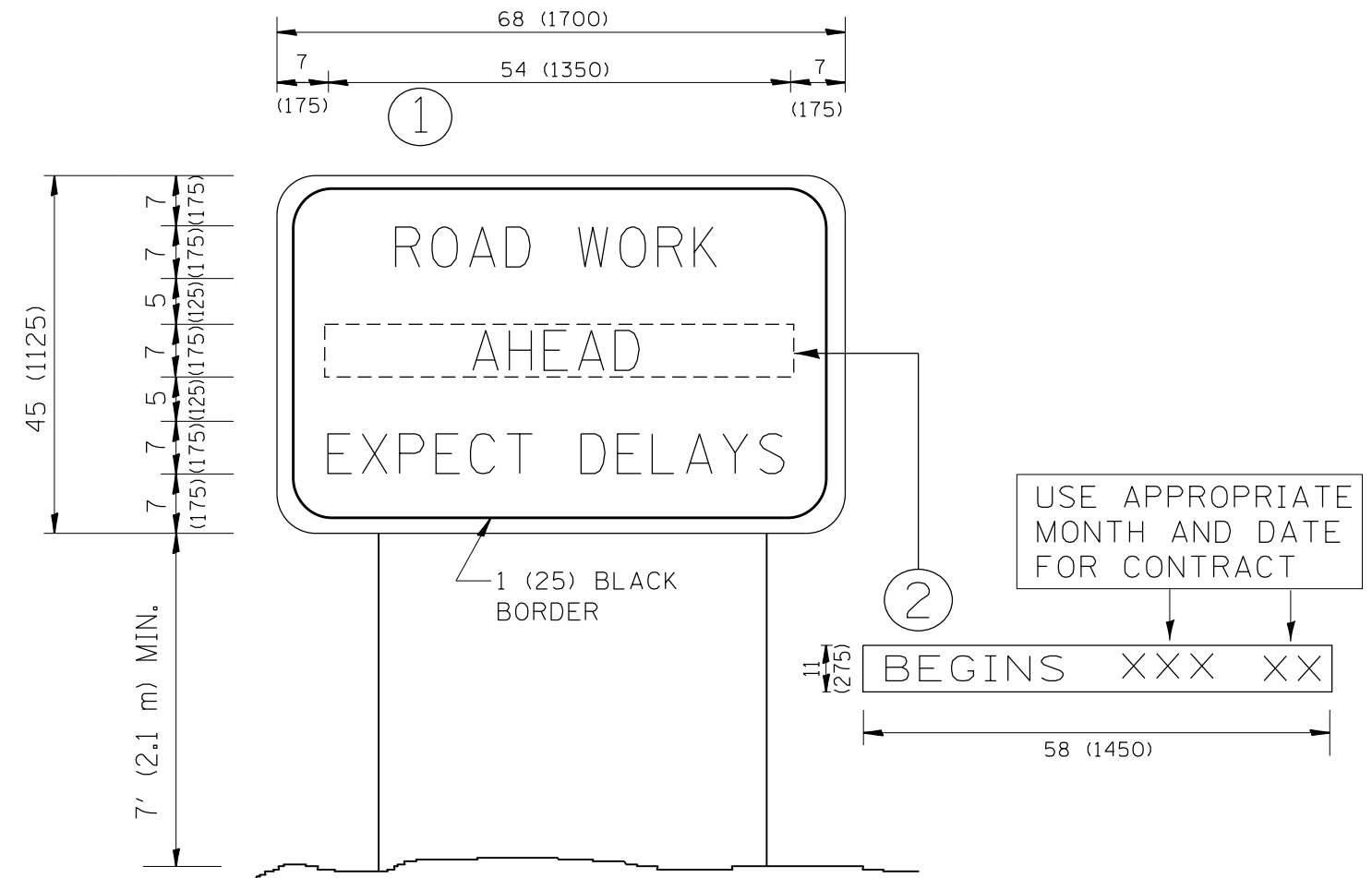
FILE NAME =	USER NAME = grovevmk	DESIGNED -	REVISED - T. RAMMACHER 03-02-98
pw\1\084EBIDINTEG\illinois.gov\PIWIDOT\Documents\DOT Offices\District 1\Projects\01815\BRAW\Braw\Design\DistStd.dgn		CHECKED -	REVISED - E. GOMEZ 08-28-00
		DATE - 09-18-94	REVISED - E. GOMEZ 08-28-00
			REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS**

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	(130 & 131)RS-4	DUPAGE	55	52
TC-16		CONTRACT NO. 62F57		
FED. ROAD DIST. NO. 1 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.

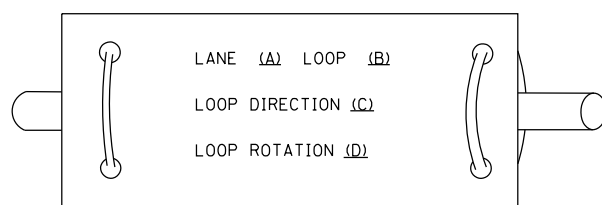
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

FILE NAME =	USER NAME = grouevmk	DESIGNED -	REVISED - R. MIRS 09-15-97	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>ARTERIAL ROAD INFORMATION SIGN</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
p:\11\084EBIDINTEG.illinois.gov\PIWIDOT\Documents\DOT Offices\District 1\Projects\DI0151\BROWNS\Design\DistStd.dgn			REVISED - R. MIRS 12-11-97			307	(130 & 131)RS-4	DUPAGE	55	53
PLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISED - T. RAMMACHER 02-02-99				<b>TC-22</b>		<b>CONTRACT NO. 62F57</b>		
PLOT DATE = 8/16/2018	DATE -	REVISED - C. JUCIUS 01-31-07	SCALE: NONE			SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.		FED. ROAD DIST. NO. 1   ILLINOIS   FED. AID PROJECT

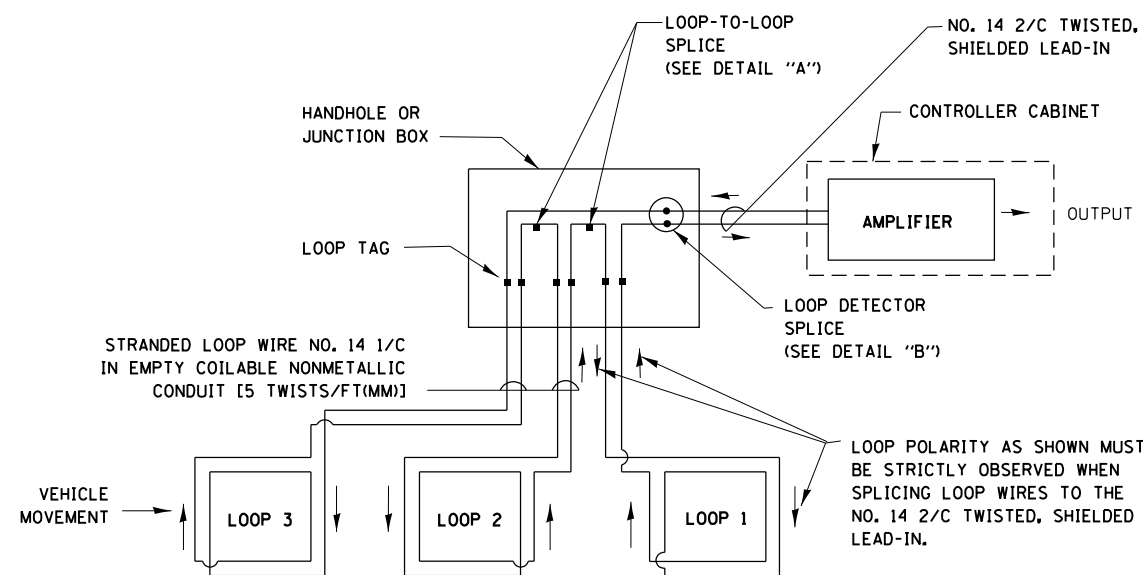
**LOOP DETECTOR NOTES**

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**

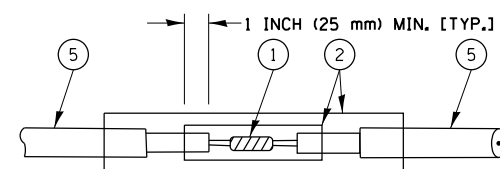


- A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY
- B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.
- C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
- D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

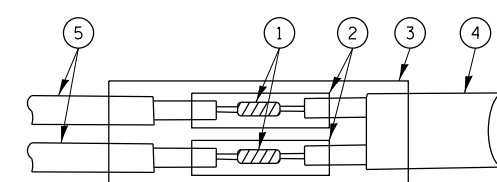


**DETECTOR LOOP WIRING SCHEMATIC**

- 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.

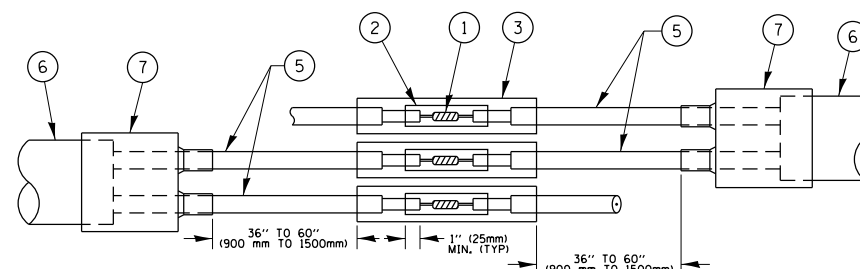


DETAIL "A"  
LOOP-TO-LOOP SPLICE

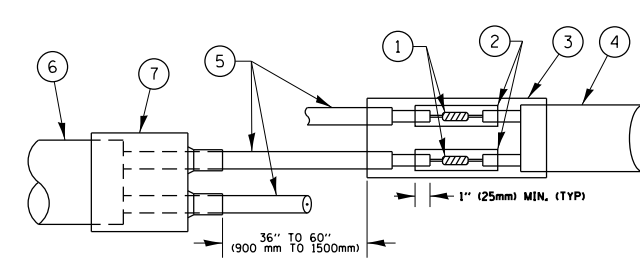


DETAIL "B"  
LOOP-TO-CONTROLLER SPLICE

**TYPE I LOOP**



DETAIL "A"  
LOOP-TO-LOOP SPLICE



DETAIL "B"  
LOOP-TO-CONTROLLER SPLICE

**PRE-FORMED 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.
- 6 PRE-FORMED LOOP
- 7 XL POLYOLEFIN 2 CONDUCTOR BREAKOUT SEALS, TYCO CBR-2 OR APPROVED EQUAL

FILE NAME =	USER NAME = grouevmk	DESIGNED -	REVISED -
pw:\IL\084EBIDINTEG\illinois.gov\PIWIDOT\Documents\DOT Offices\District 1\Projects\DI015\BRAW\Design\DistStd.dgn		CHECKED -	REVISED -
Default	PLOT DATE = 8/16/2018	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

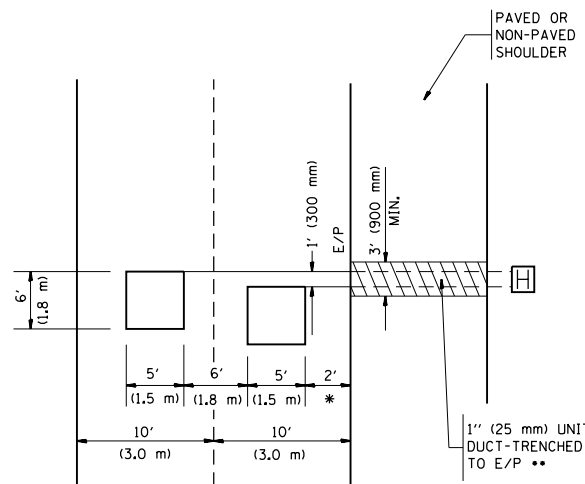
**DISTRICT ONE  
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

SCALE: NONE SHEET 2 OF 7 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	(130 & 131)RS-4	DUPAGE	55	54
TS-05			CONTRACT NO. 62F57	
ILLINOIS FED. AID PROJECT				

**LOOPS NEXT TO SHOULDERS**

PROVIDE A PAVEMENT REPLACEMENT NOTE WHICH SHOULD EQUAL 3' (900 mm) X WIDTH OF PAVED SHOULDER.

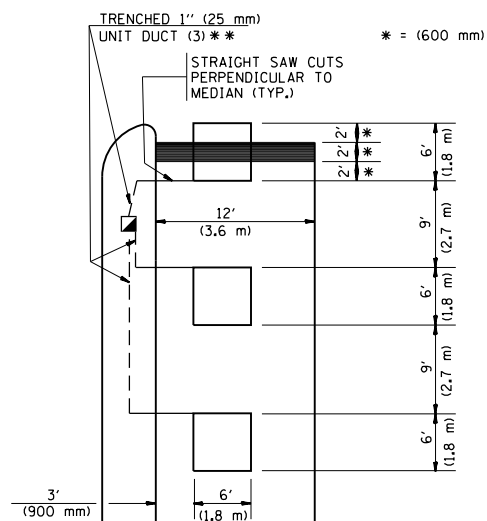


\* = (600 mm)

\*\* UNIT DUCT IS TO BE SHOWN ON PLAN SHEETS BUT SHALL NOT BE INCLUDED IN THE PAY ITEMS.

**LEFT TURN LANES WITH MEDIANS  
VOLUME DENSITY ("FAR OUT" DETECTION)  
ON SAME APPROACH  
(PROTECTED / PERMITTED LEFT TURN PHASING)**

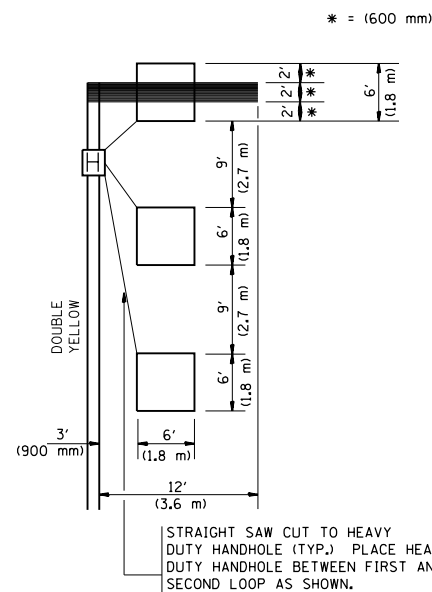
HANDHOLE LOCATION MAY VARY DEPENDING ON GEOMETRICS AND DESIGN OF TRAFFIC SIGNALS. HEAVY-DUTY HANDHOLES TO BE USED WHEN THE MEDIAN IS MOUNTABLE. REFER TO STANDARD 814001 TO ENSURE THAT HANDHOLE FITS IN MEDIAN.



\*\* UNIT DUCT IS TO BE SHOWN ON PLAN SHEETS BUT SHALL NOT BE INCLUDED IN THE PAY ITEMS.

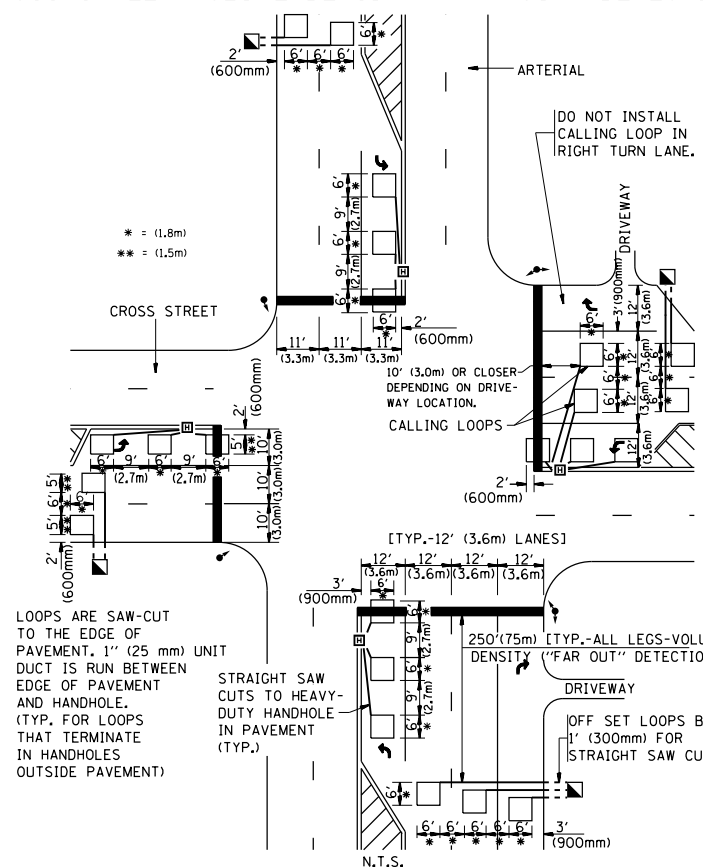
NOTE: DUAL LEFT TURNS NOT SHOWN REFER TO PLAN SHEET FOR DETECTOR LOOP REPLACEMENT

**LEFT TURN LANES WITHOUT MEDIANS  
VOLUME DENSITY ("FAR OUT" DETECTION)  
ON SAME APPROACH  
(PROTECTED / PERMITTED LEFT TURN PHASING)**



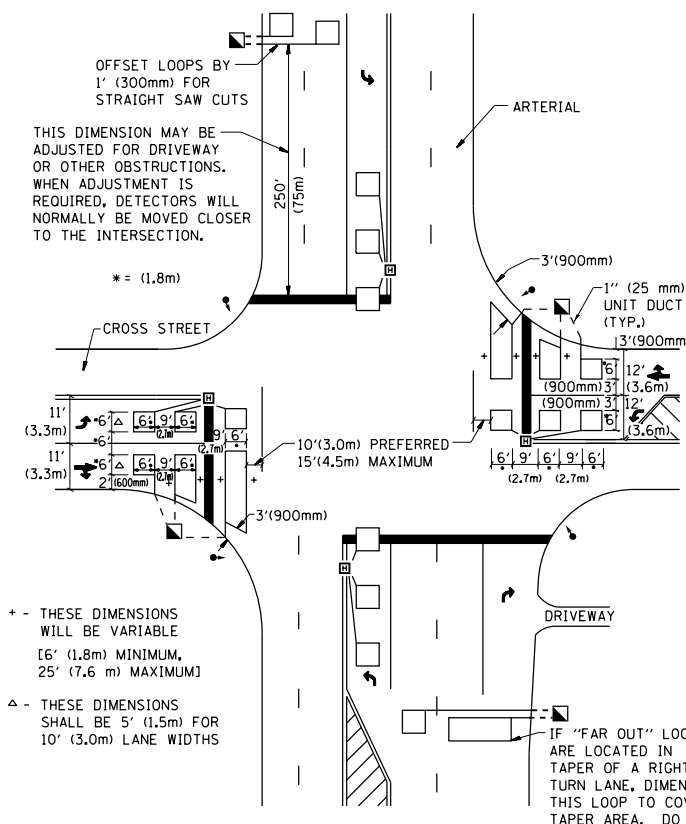
NOTE: DUAL LEFT TURNS NOT SHOWN REFER TO PLAN SHEET FOR DETECTOR LOOP REPLACEMENT

**ARTERIAL-VOLUME DENSITY ("FAR OUT" DETECTION)  
CROSS STREET-VOLUME DENSITY ("FAR OUT" DETECTION)**



**DETAIL 1  
N.T.S.**

**ARTERIAL-VOLUME DENSITY ("FAR OUT" DETECTION)  
CROSS STREET-NON VOLUME DENSITY ("UPTIGHT" PRESENCE DETECTION)**



**DETAIL 2  
N.T.S.**

**NOTES:**

**VEHICLES LOOP DETECTORS**

- \* ALL LEAD IN CABLE SHALL BE TWO CONDUCTOR NO. 14 TWISTED, SHIELDED.
- \* EACH DETECTOR LOOP SHALL HAVE ITS OWN SAW CUT FROM THE LOOP TO THE EDGE OF PAVEMENT OR TO A HANDHOLE IN THE PAVEMENT.
- \* EACH DETECTOR LOOP SHALL HAVE ITS OWN ONE INCH (25 mm) UNIT DUCT BETWEEN THE EDGE OF PAVEMENT AND THE FIRST HANDHOLE OR JUNCTION BOX. EACH UNIT DUCT RUN SHALL BE SHOWN ON THE PLANS BY THE DESIGNER, BUT SHALL NOT BE PAID FOR SEPARATELY. THIS ITEM IS INCIDENTAL TO THE PAY ITEM FOR DETECTOR LOOPS.
- \* ONE DIMENSION OF ALL DETECTOR LOOPS SHALL BE SIX FEET (1.8 m)
- \* EACH LANE OF NON-LOCKING, PRESENCE DETECTION AND EACH LANE OF A DOUBLE LEFT TURN LANE REQUIRES A SEPARATE INDUCTIVE LOOP DETECTOR AND LEAD IN CABLE.
- \* WHEN NON-LOCKING, PRESENCE DETECTION IS USED, MORE THAN ONE LOOP PER LANE IS REQUIRED BEHIND THE STOP BAR (i.e. 1-1/2, 1-3/4, 2).
- \* WHEN SYSTEM LOOPS ARE REQUIRED ON AN APPROACH OF AN INTERSECTION, THE LOOPS USED FOR VOLUME DENSITY AND INTERSECTION TIMING SHALL ALSO BE USED AS SYSTEM DETECTORS. EACH ONE OF THESE TYPE OF LOOPS REQUIRES A SEPARATE TWO CONDUCTOR NO. 14 TWISTED SHIELDED CABLE AND A SEPARATE INDUCTIVE LOOP DETECTOR WHEN NEW CONTROLLERS ARE UTILIZED. THE DESIGNER SHALL LABEL THESE TYPES OF LOOPS AS "INTERSECTION AND SAMPLING (SYSTEM) DETECTORS" ON THE SIGNAL LAYOUT, THE INTERCONNECT PLAN AND THE SYSTEM CABLE PLAN. WHEN AN EXISTING CONTROLLER IS UTILIZED FOR THIS TYPE OF DETECTION, THE PAY ITEM "INDUCTIVE LOOP DETECTOR WITH SYSTEM OUTPUT" SHOULD BE USED.

**PLACEMENT OF DETECTORS**

THE FOLLOWING FIGURES REPRESENT THE MOST COMMON DETECTOR LOOP LOCATIONS AND SIZES. ADJUSTMENTS WILL BE NECESSARY FOR SPECIFIC GEOMETRIC CONSIDERATIONS.

LOCATIONS AND DEMENSIONS OF DETECTOR LOOPS ARE REQUIRED ON ALL SIGNAL LAYOUT PLAN SHEETS.

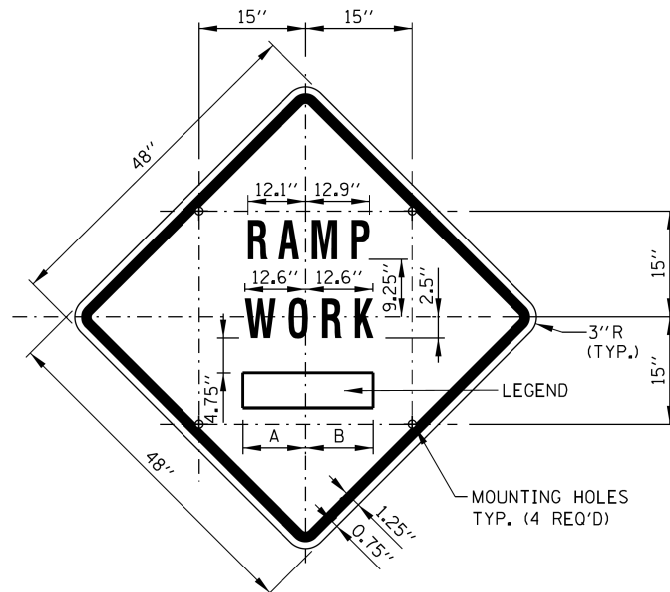
"FAR OUT" DETECTION REFERS TO LOCKING, PRESENCE TYPE DETECTION LOCATED IN THRU LANES, RIGHT TURN LANES, AND RIGHT TURN LANE TAPER AREAS (IF APPLICABLE), USUALLY 250' (75 m) IN ADVANCE OF STOP BARS. "UPTIGHT" DETECTION REFERS TO NON-LOCKING PRESENCE TYPE DETECTION LOCATED IN ALL LANES AND 10'-15' (3.0 m-4.5 m) BEHIND THE CROSSING STREET'S EDGE OF PAVEMENT EXTENDED.

**NOTE:**

ALL DETAILS AND NOTES SHOWN ARE FROM THE I.D.O.T. DISTRICT 1 TRAFFIC SIGNAL DESIGN GUIDELINES DATED JANUARY 1995

THIS DRAWING HAS BEEN PREPARED TO ASSIST THE RESIDENT ENGINEER FOR ALL ROADWAY RESURFACING OR S.M.A.R.T. PROJECTS WHERE THE DIMENSIONS ARE NOT SHOWN ON THE PLANS AND THE FINAL LOCATIONS FOR CROSSWALKS OR STOP BARS ARE NOT DETERMINED.

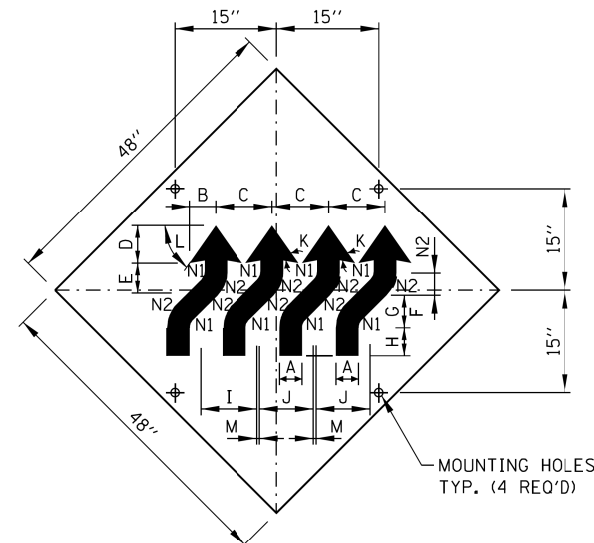
FILE NAME =	USER NAME = grouevmk	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>DISTRICT 1 - DETECTOR LOOP INSTALLATION DETAILS FOR ROADWAY RESURFACING</b>			F.A.P. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
p:\11\084EBID\INTEG\11inois.gov\PI\DOT\Documents\DOT Offices\District 1\Projects\DI0151\BRAWN\Design\DistStd.dgn	PLANNED BY -	CHECKED - R.K.F.	REVISED -					307	(130 & 131)RS-4	DUPAGE	55	55
PLOT SCALE = 100.0000' / 1"	DATE -	DATE -	REVISED -					<b>TS-07</b>			<b>CONTRACT NO. 62F57</b>	
PLOT DATE = 8/16/2018	DATE -	DATE -	REVISED -					FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				
				SCALE: NONE		SHEET NO. 1 OF 1 SHEETS		STA.		TO STA.		



SIGN NO.	LEGEND	A	B
TS-2A	AHEAD	15.50"	15.50"
TS-2B	500 FT	14.25"	15.13"
TS-2C	1000 FT	14.88" L2	15.75" L2
TS-2D	1500 FT	14.88" L2	15.75" L2
TS-2E	1/2 MILE	15.75" L3	15.75" L3
TS-2F	1 MILE	13.06"	13.06"

**SIGN TS-2 (O)**

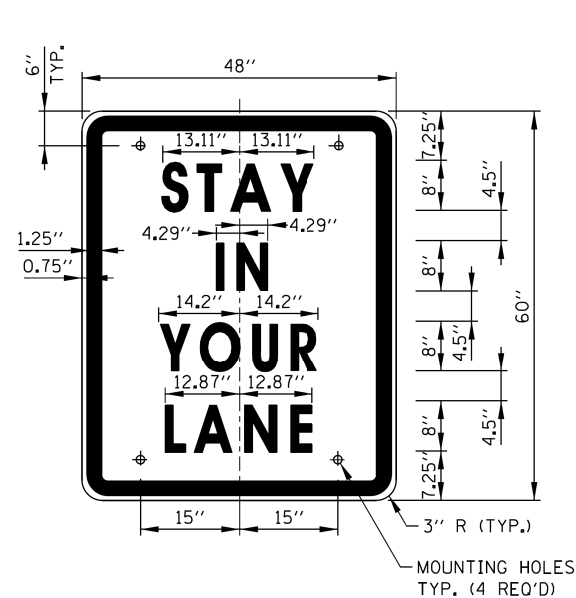
COLOR: BACKGROUND - FLUORESCENT ORANGE (O)  
 BORDER AND SYMBOL - BLACK  
 SIZE: 48"x48"  
 LETTERING: 7" FEDERAL SERIES D  
 MOUNTING HOLES: 7/16" DIA., 4 HOLES SPACED AS SHOWN



A	4 1/2"
B	5 3/4"
C	12 1/2"
D	7 3/4"
E	6 1/2"
F	4 1/2"
G	6 1/2"
H	6"
I	12 3/4"
J	12"
K	45°
L	55°
M	3/4"
N1	2"
N2	6 1/2"

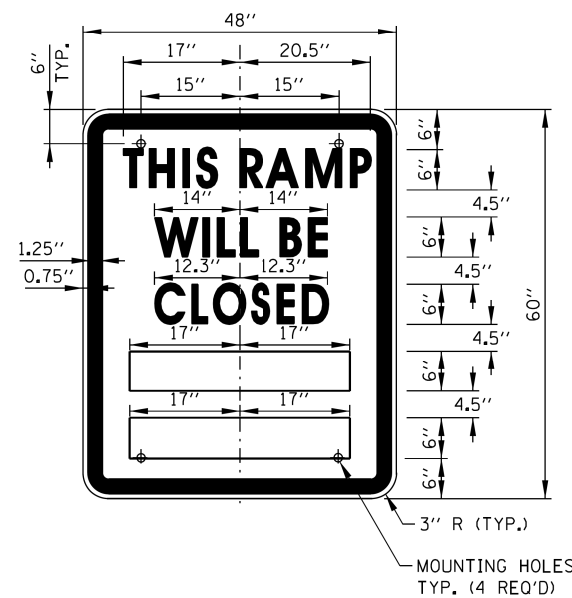
**SIGN W1-4dR (O)**

COLOR: BACKGROUND-FLUORESCENT ORANGE (O)  
 TYPE A REFLECTIVE SHEETING PER STANDARD SPECIFICATIONS (\*A)  
 BORDER AND LETTERS-BLACK  
 SIZE: 48"x48"  
 MOUNTING HOLES: 7/16" DIA., 4 HOLES SPACED AS SHOWN.



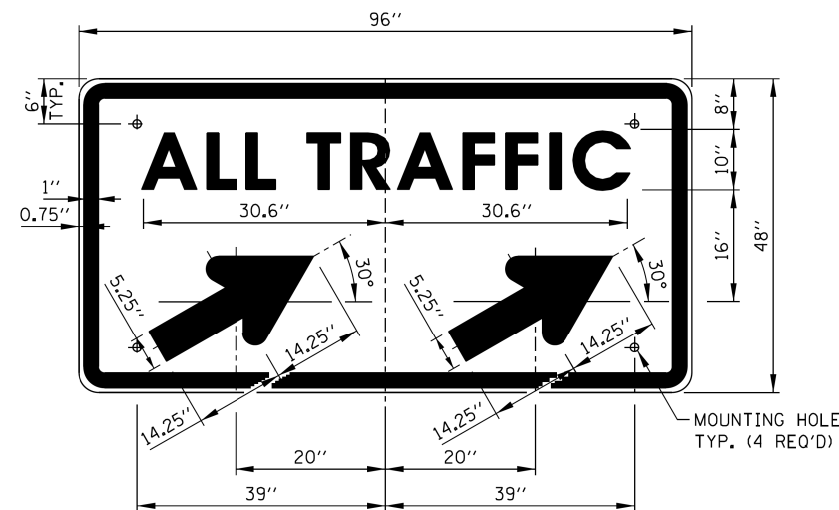
**SIGN TS-3**

COLOR: BACKGROUND - WHITE (REFLECTORIZED) (\*A)  
 BORDER AND LETTERS - BLACK  
 SIZE: 48"x60"  
 LETTERING: LEGEND - 8" FEDERAL SERIES D  
 MOUNTING HOLES: 7/16" DIA., 4 HOLES, SPACED AS SHOWN



**SIGN TS-4**

COLOR: BACKGROUND - WHITE (REFLECTORIZED) (\*A)  
 BORDER AND LETTERS - BLACK  
 SIZE: 48"x60"  
 LETTERING: LEGEND - 6" FEDERAL SERIES C  
 MOUNTING HOLES: 7/16" DIA., 4 HOLES, SPACED AS SHOWN



**SIGN TS-5a & TS-5b**

COLOR: BACKGROUND - WHITE (REFLECTORIZED) (\*A)  
 BORDER AND LETTERS - BLACK  
 ARROW - BLACK  
 SIZE: 96"x48"  
 LETTERING: 10" FEDERAL SERIES D  
 MOUNTING HOLES: 7/16" DIA., 4 HOLES, SPACED AS SHOWN  
 NOTE: SIGN TS-5a IS SHOWN, SUBSTITUTE LEGEND "↗" FOR "↘" FOR SIGN TS-5b

**NOTES:**

- ALL LETTERING IS DESIGNATED BY SIZE AND SERIES IN ACCORDANCE WITH THE LATEST EDITION OF "STANDARD ALPHABETS FOR HIGHWAY SIGNS AND PAVEMENT MARKINGS" AS PUBLISHED BY THE U.S. DEPARTMENT OF TRANSPORTATION. LETTERING SPACING SHALL BE IN ACCORDANCE WITH THIS GUIDE EXCEPT WHERE NOTED.
- SYMBOLS AND ARROWS SHALL CONFORM TO THE DETAILS SHOWN IN THE LATEST EDITION OF "STANDARD HIGHWAY SIGNS" AS PUBLISHED BY THE U.S. DEPARTMENT OF TRANSPORTATION.
- SEE THE CONTRACT REQUIREMENTS FOR ADDITIONAL NOTES AND SPECIFICATIONS.  
 (O) FLUORESCENT ORANGE REFLECTIVE SHEETING PER THE STANDARD SPECIFICATIONS.  
 (\*A) - REFLECTIVE SHEETING PER THE STANDARD SPECIFICATIONS.
- DIMENSIONS INDICATED THUS L ARE BASED ON A REDUCTION IN STANDARD LETTERING SPACING AS SHOWN BELOW:  
 L1 SPACING REDUCED BY 25%  
 L2 SPACING REDUCED BY 40%  
 L3 SPACING REDUCED BY 50%



CONSTRUCTION SIGNS

STANDARD E1-06

DATE	REVISIONS
05-01-09	DELETED FLASHING ARROW BOARDS
01-01-11	ADDED SIGN COLOR DESIGNATION
11-01-12	DELETED SIGN TS-1
03-31-14	REVISED FINE SIGN NUMBER AND ADDED LED SPEED LIMIT DISPLAY
3-11-2015	REVISED NOTES
3-31-2017	REVISED END WZSL SIGN COLOR

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	(130 & 131)RS-4	DUPAGE	55	55A

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

IL RTE. 64 (NORTH AVE.) - GARY AVE. TO IL RTE. 53 (ROHLWING RD.)  
 TOLLWAY STANDARDS

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

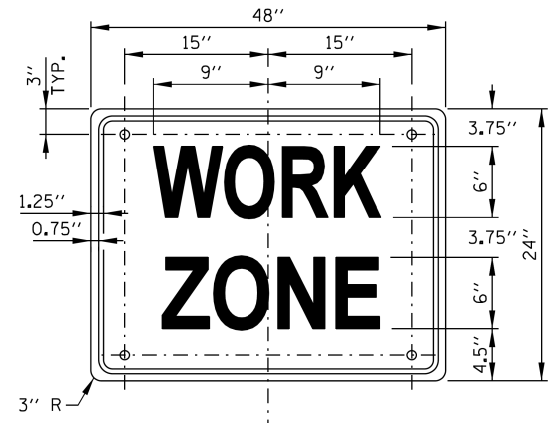
ILLINOIS FED. AID PROJECT

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*Paul Kovacs*  
 APPROVED . . . . . CHIEF ENGINEER DATE 5-1-2009

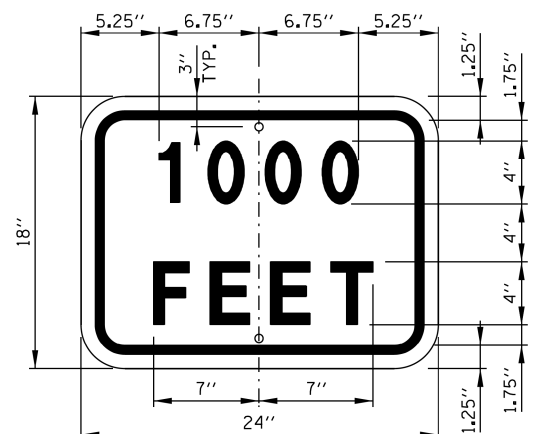
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PLOT DATE = 10/3/2018	CHECKED -	REVISED -
	DATE -	REVISED -





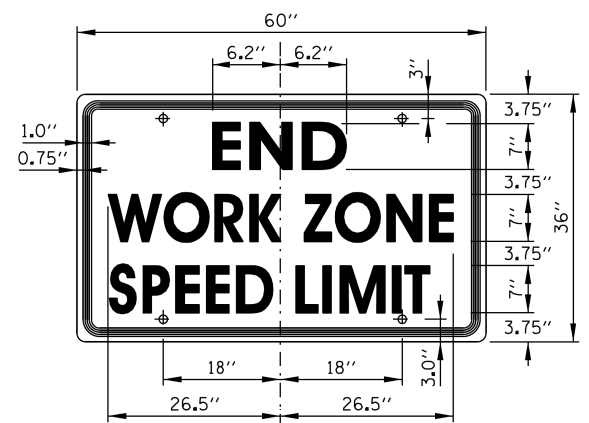
SIGN G20-I102 (O)

COLOR: BACKGROUND - FLUORESCENT ORANGE (O)  
 BORDER AND LETTERS - BLACK  
 SIZE: 48"x24"  
 LETTERING: 6" FEDERAL SERIES C  
 MOUNTING HOLES: 3/16" DIA., 4 HOLES SPACED AS SHOWN



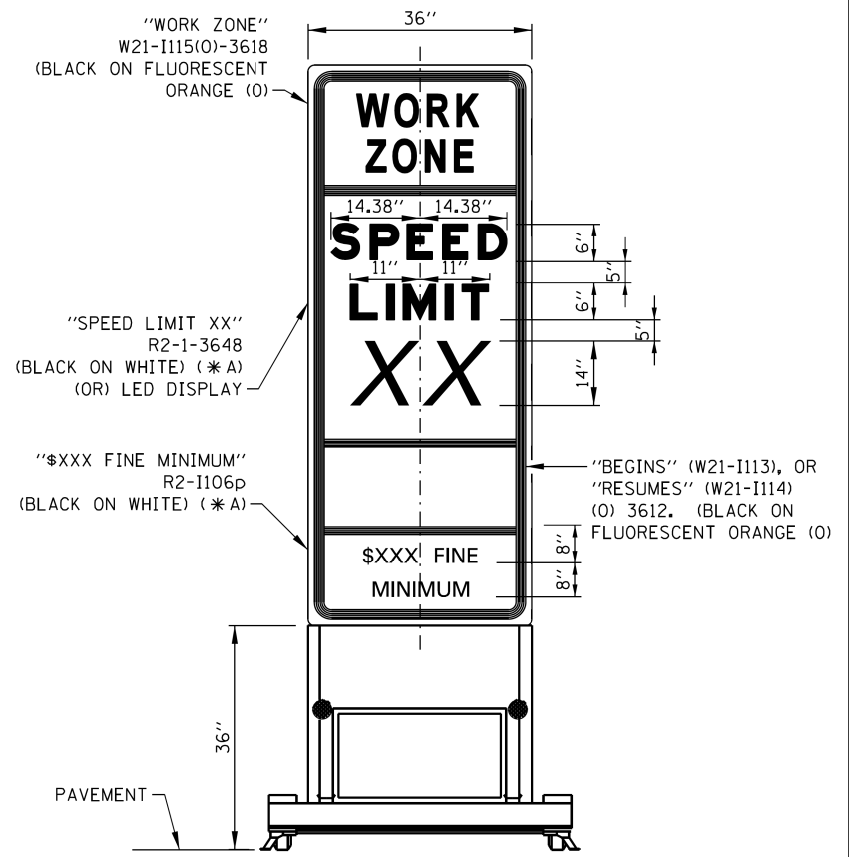
SUPPLEMENTAL PLATE (O)

COLOR: BACKGROUND - FLUORESCENT ORANGE (O)  
 BORDER AND LETTERS - BLACK  
 SIZE: 24"x18"  
 LETTERING: 4" FEDERAL SERIES D  
 MOUNTING HOLES: 3/16" DIA., 2 HOLES SPACED AS SHOWN

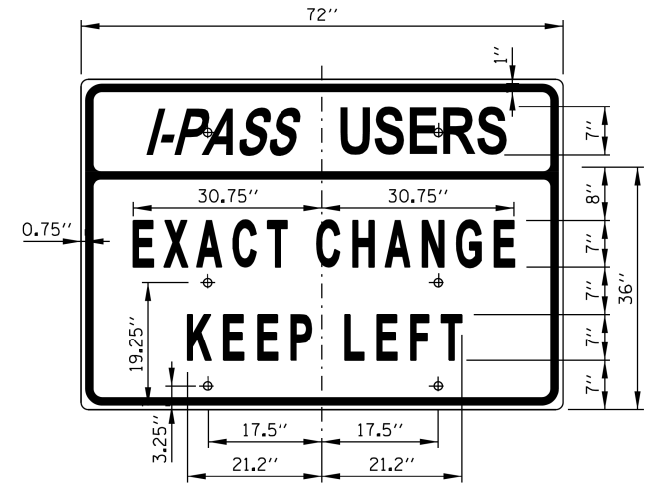


SIGN G20-I103

COLOR: BACKGROUND - WHITE (REFLECTORIZED) (\* A)  
 BORDER AND LETTERS - BLACK  
 SIZE: 60"x36"  
 LETTERING: 6" FEDERAL SERIES C  
 MOUNTING HOLES: 3/16" DIA., 4 HOLES SPACED AS SHOWN

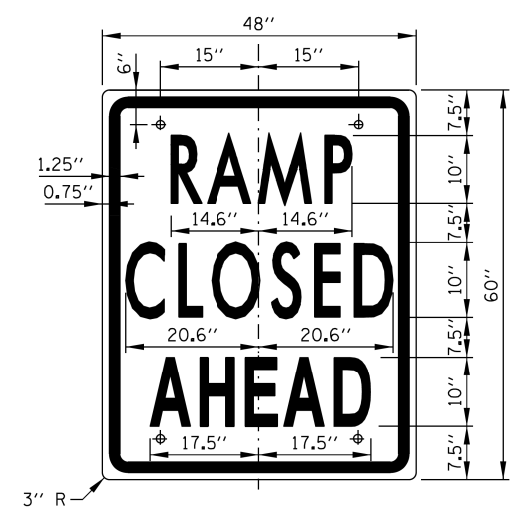


WORK ZONE SPEED LIMIT SIGN ASSEMBLY



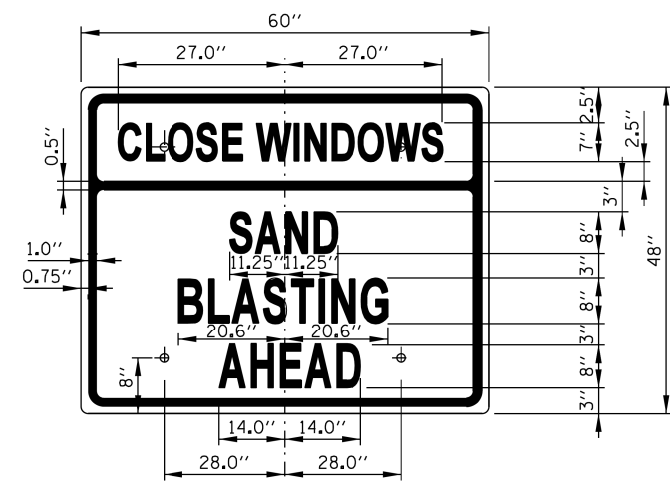
SIGN TS-7

COLOR: BACKGROUND - WHITE (REFLECTORIZED) (\* A)  
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 SIZE: 72"x36"  
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 MOUNTING HOLES: 3/16" DIA., 4 HOLES SPACED AS SHOWN



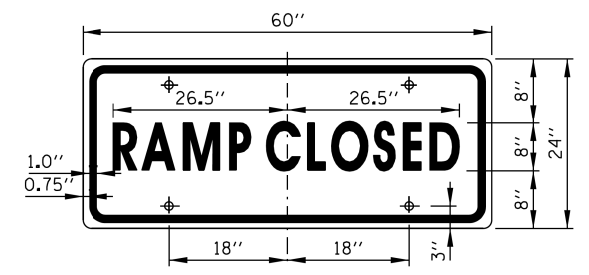
SIGN TS-9

COLOR: BACKGROUND - WHITE (REFLECTORIZED) (\* A)  
 BORDER AND LETTERS - BLACK  
 SIZE: 48"x60"  
 LETTERING: 10" FEDERAL SERIES C  
 MOUNTING HOLES: 3/16" DIA., 4 HOLES SPACED AS SHOWN



SIGN TS-10 (O)

COLOR: BACKGROUND - FLUORESCENT ORANGE (O)  
 BORDER AND LETTERS - BLACK  
 SIZE: 60"x48"  
 LETTERING: 8" FEDERAL SERIES C, 7" FEDERAL SERIES B  
 MOUNTING HOLES: 3/16" DIA., 4 HOLES SPACED AS SHOWN



SIGN TS-6

COLOR: BACKGROUND - WHITE (REFLECTORIZED) (\* A)  
 BORDER AND LETTERS - BLACK  
 SIZE: 60"x24"  
 LETTERING: 8" FEDERAL SERIES C  
 MOUNTING HOLES: 3/16" DIA., 4 HOLES SPACED AS SHOWN

APPROVED: *Paul Kovacs*  
 CHIEF ENGINEER DATE 5-1-2009

NOTE:  
 SEE SHEET 1 OF THIS SERIES FOR NOTES.

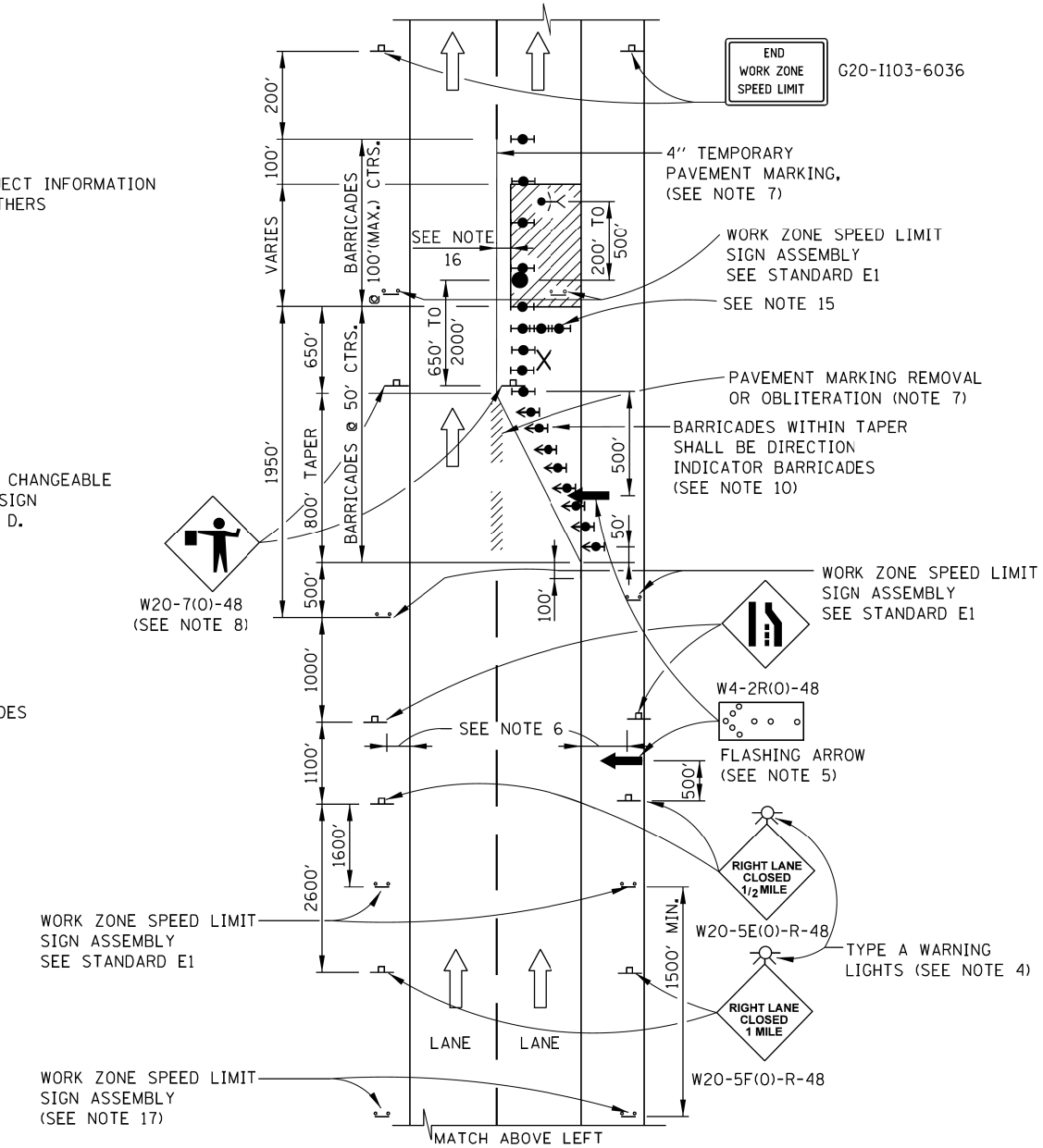
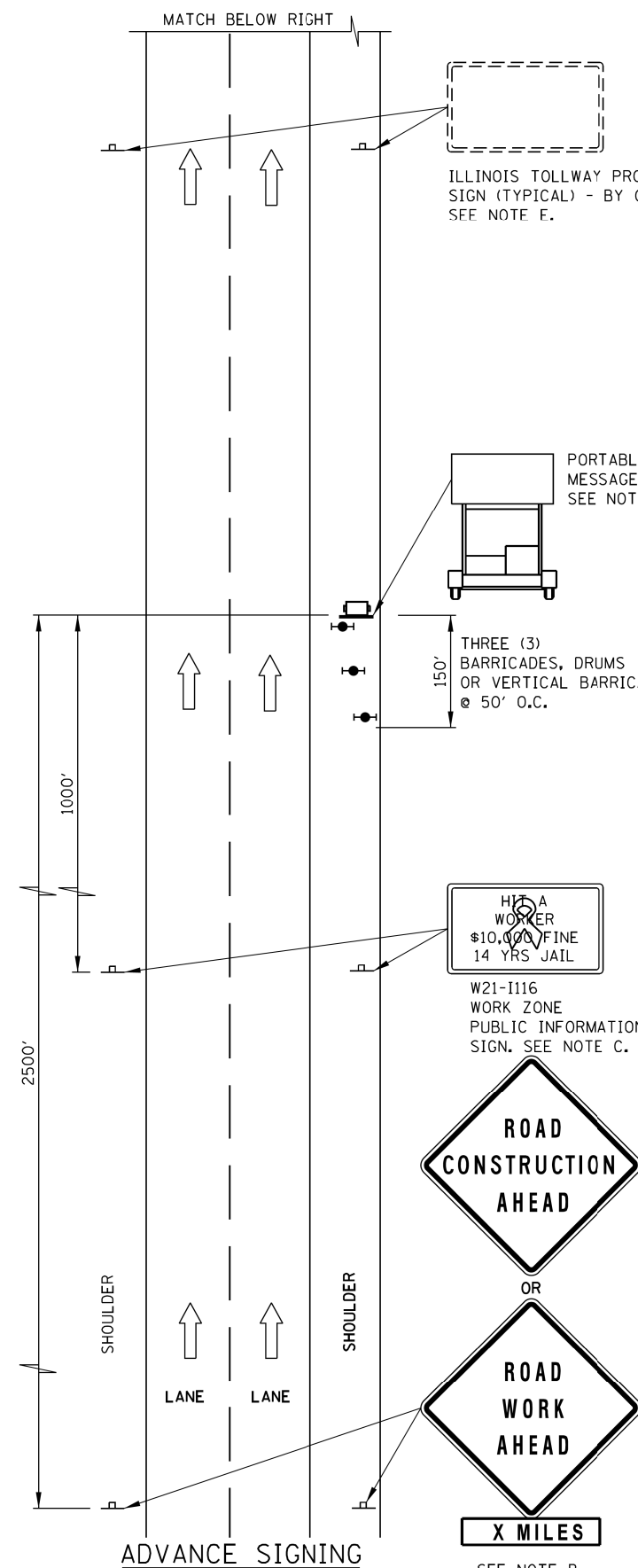
SHEET 2 OF 2

CONSTRUCTION SIGNS

STANDARD E1-06

MODEL: Default  
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USER NAME = grouevmk	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL RTE. 64 (NORTH AVE.) - GARY AVE. TO IL RTE. 53 (ROHLWING RD.)	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
PLOT SCALE = 100,0000' / in.	DRAWN -	REVISED -			307	(130 & 131)RS-4	DUPAGE	55	55B	
PLOT DATE = 10/3/2018	CHECKED -	REVISED -			SCALE: 1"=50'	SHEET OF SHEETS	STA. TO STA.	CONTRACT NO. 62F57		
	DATE -	REVISED -			ILLINOIS FED. AID PROJECT					



- LANE CLOSURE NOTES:**
- IF CLOSURES ARE EXPECTED TO PRODUCE TRAFFIC BACKUPS EXTENDING BEYOND THE FIRST WARNING SIGN SHOWN ON THE DETAILS, ADDITIONAL UPSTREAM SIGNS SHALL BE PLACED SO THAT THE TRAFFIC CONTROL ZONE ENCOMPASSES THE ANTICIPATED BACKUP ZONE.
  - LONGITUDINAL DIMENSIONS MAY BE ADJUSTED SLIGHTLY TO FIT FIELD CONDITIONS.
  - THESE DETAILS ALSO APPLY TO OPPOSITE HAND LANE CLOSURES BY CHANGING SIGN LEGENDS AND ARROW DIRECTIONS TO INDICATE THE APPROPRIATE CLOSURE.
  - FOR NIGHT TIME CLOSURES, ONE TYPE A WARNING LIGHT SHALL BE INSTALLED ABOVE EACH OF THE 1 MILE AND 1/2 MILE ADVANCE WARNING SIGNS. FOR DAYLIGHT-ONLY CLOSURES, THE LIGHTS MAY BE OMITTED.
  - FOR ANY LANE CLOSURE, FLASHING ARROW BOARDS SHALL BE REQUIRED AND IN OPERATION AT ALL TIMES. THE FLASHING ARROW BOARD IN ADVANCE OF THE TAPER SHALL BE PROTECTED WITH THREE TYPE II BARRICADES AT 50' O.C.
  - CONSTRUCTION SIGNS SHALL GENERALLY BE POST-MOUNTED OR ATTACHED TO PORTABLE SUPPORTS AND SHALL BE INSTALLED 8' TO 12' FROM ADJACENT TRAVEL LANE WHEREVER POSSIBLE. IN NO CASE SHALL SIGNS BE LOCATED TO PROVIDE LESS THAN 2' CLEARANCE BETWEEN EDGE OF SIGN AND ADJACENT TRAVEL LANE.
  - PAVEMENT MARKING TAPE AND REMOVAL OR OBLITERATION OF EXISTING MARKINGS SHALL BE REQUIRED WHEN THE CLOSURE TIME EXCEEDS FOUR DAYS. THIS WORK SHALL BE MEASURED AND PAID FOR SEPARATELY.
  - WHEN A FLAGGER IS NOT ON STATION, THE FLAGGER SIGN SHALL BE PROMPTLY REMOVED, COVERED OR TURNED TO FACE AWAY FROM TRAFFIC. FLAGGER SIGNS SHALL BE MOVED AS NECESSARY TO MAINTAIN THE REQUIRED SPACING BETWEEN THE SIGNS AND THE WORKERS IN EACH SEPARATE WORK ACTIVITY, PER THE ILLINOIS TOLLWAY SUPPLEMENTAL SPECIFICATIONS.
  - WORK ZONE SPEED LIMIT SIGN ASSEMBLIES, SHALL BE PLACED ADJACENT TO THE OPEN TRAFFIC LANE(S). WORK ZONE SPEED SIGNS SHALL BE MOVED AS NECESSARY TO MAINTAIN THE REQUIRED SPACING BETWEEN SIGNS AND THE WORKERS IN EACH SEPARATE WORK ACTIVITY PER THE ILLINOIS TOLLWAY SUPPLEMENTAL SPECIFICATIONS.
  - DIRECTION INDICATOR BARRICADES SHALL BE USED IN LANE TAPERS.
  - FOR CLOSURES OTHER THAN SHORT TERM (SUNRISE TO ONE HOUR BEFORE SUNSET), THE MINIMUM HEIGHT OF THE SIGN FROM SHOULDER ELEVATION SHALL BE 7'-0".
  - CONES MAY BE USED IN LIEU OF BARRICADES IN THE BUFFER AND WORK AREAS, WHEN THE CLOSURE IS FOR MAINTENANCE OPERATIONS.
  - BARRICADES ARE TO BE LOCATED AT JOINT LINE WHEN WORK AREA EXTENDS UP TO JOINT UNLESS OTHERWISE SHOWN ON THE PLANS.
  - SEE MAINTENANCE OF TRAFFIC DRAWINGS FOR ADDITIONAL SIGNING IN THIS AREA.
  - CHECK BARRICADES SHALL BE PLACED IN THE MIDDLE OF THE CLOSED LANE AND AT THE SHOULDER AT 1000 FOOT CENTERS.
  - A 1'-0" MINIMUM/2'-0" DESIRABLE SHY DISTANCE SHALL BE PROVIDED, MEASURED BETWEEN EDGE OF PAVEMENT LANE MARKING TO THE EDGE OF THE TRAFFIC CONTROL DEVICE.
  - ADDITIONAL WORK ZONE SPEED LIMIT SIGNS SHALL BE PLACED WHEN DIFFERENCE BETWEEN POSTED TO WORK ZONE SPEED LIMIT IS > 20 M.P.H.

**ONE-LANE CLOSURE WITH BARRICADE**

**ADVANCE SIGNING NOTES:**

- THE ADVANCE SIGNING SHOWN ON THIS STANDARD SHALL APPLY ANY TIME THE CONTRACTOR CLOSES ONE OR MORE LANES, OR IS REQUIRED TO SHIFT THE LANE ALIGNMENT. THE "ROAD WORK AHEAD" OR "ROAD CONSTRUCTION AHEAD" SIGNS, WORK ZONE PUBLIC INFORMATION SIGNS AND PORTABLE CHANGEABLE MESSAGE ARE STATIONARY.
- THE ROAD CONSTRUCTION AHEAD SIGN (W20-1A, WITH W16-3a SUPPLEMENTAL PLATE) OR ROAD WORK AHEAD SIGN (W20-1, WITH W16-3A SUPPLEMENTAL PLATE) SHALL BE LOCATED UP TO 5 MILES IN ADVANCE OF THE PROJECT LIMITS, WITH THE LOCATION BEING DETERMINED BY THE ENGINEER.
- THE WORK ZONE PUBLIC INFORMATION SIGN IS 60" WIDE BY 48" HIGH. THE CONTRACTOR SHALL OBTAIN THE CAMERA-READY ARTWORK REQUIRED FOR THE SIGN MESSAGE BY CONTACTING IDOT'S CENTRAL BUREAU OF OPERATIONS.
- THE PORTABLE CHANGEABLE MESSAGE SIGN SHALL BE USED TO DISPLAY THE STATUS OF LANE WITHIN THE CONTRACT LIMITS. THE PRIMARY MESSAGES SHALL BE: "RIGHT LANE(S) CLOSED" / "X MILES AHEAD", "LEFT LANE(S) CLOSED" / "X MILES AHEAD", "LANE(S) SHIFT" / "X MILES AHEAD", "ALL LANES OPEN". THE PORTABLE CHANGEABLE MESSAGE SIGN MAY BE MOVED TO THE MEDIAN SHOULDER WHEN THE LANE CLOSURES ARE ON THE LEFT, PROVIDED THE EXISTING SHOULDER WIDTH IS ADEQUATE.
- THE ILLINOIS TOLLWAY WILL FURNISH AND INSTALL STATIC PROJECT INFORMATION SIGNS IN ADVANCE, THROUGH AND AT THE END OF THE WORK ZONE. THESE SIGNS WILL BE INSTALLED ALONG THE OUTSIDE SHOULDER WITH THE ADVANCE SIGNS LOCATED BEYOND THE PORTABLE CHANGEABLE MESSAGE SIGN. THE ENGINEER AND CONTRACTOR SHALL COORDINATE WITH THE ILLINOIS TOLLWAY REGARDING THE LOCATION OF THESE SIGNS AND NOTIFY THE ILLINOIS TOLLWAY OF ANY DAMAGE TO THE SIGNS OR SUPPORTS.

**LEGEND**

- ARROW BOARD
- WORK AREA
- SIGN
- DIRECTION INDICATOR BARRICADE WITH SEQUENTIAL FLASHING WARNING LIGHT
- TYPE II BARRICADE, DRUM, OR VERTICAL BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- FLAGGER WITH TRAFFIC CONTROL SIGN
- WORKER
- LANE CLOSED



**LANE CLOSURE DETAILS**

DATE	REVISIONS
11-01-12	ADDED THREE LANE CLCURE
03-31-14	REVISED BUFFER SPACE, TAPER DIMENSIONS AND REVISED NOTES.
3-11-2015	REVISED NOTES.
3-31-2016	ADDED LANE CLOSURE WITH BARRIER AND ADDED SEQUENTIAL FLASHING WARNING LIGHT.
3-31-2017	ADDED TAPER RATE TABLE

**STANDARD E2-07**

APPROVED *Paul Kovacs* CHIEF ENGINEER DATE 5-1-2009

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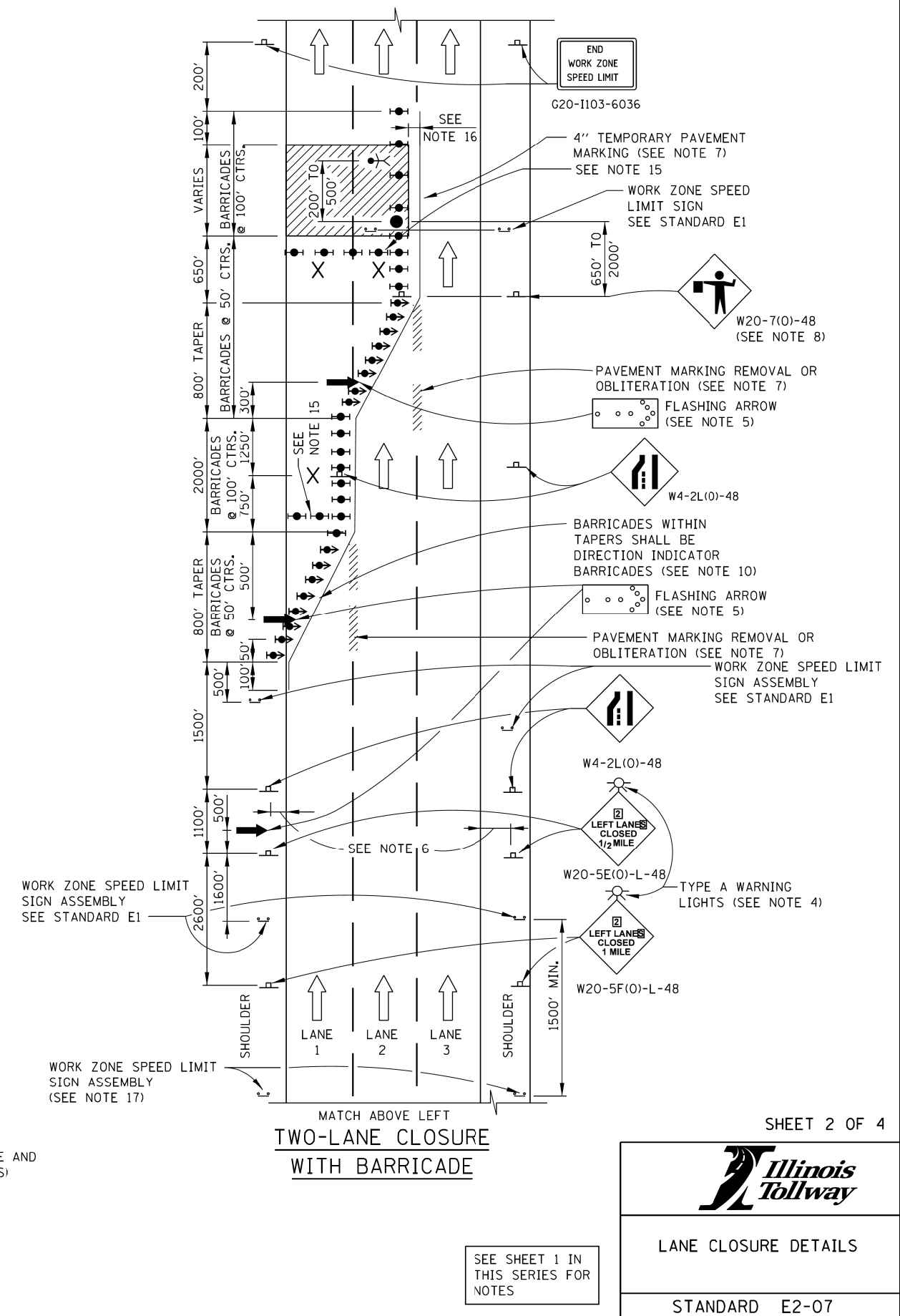
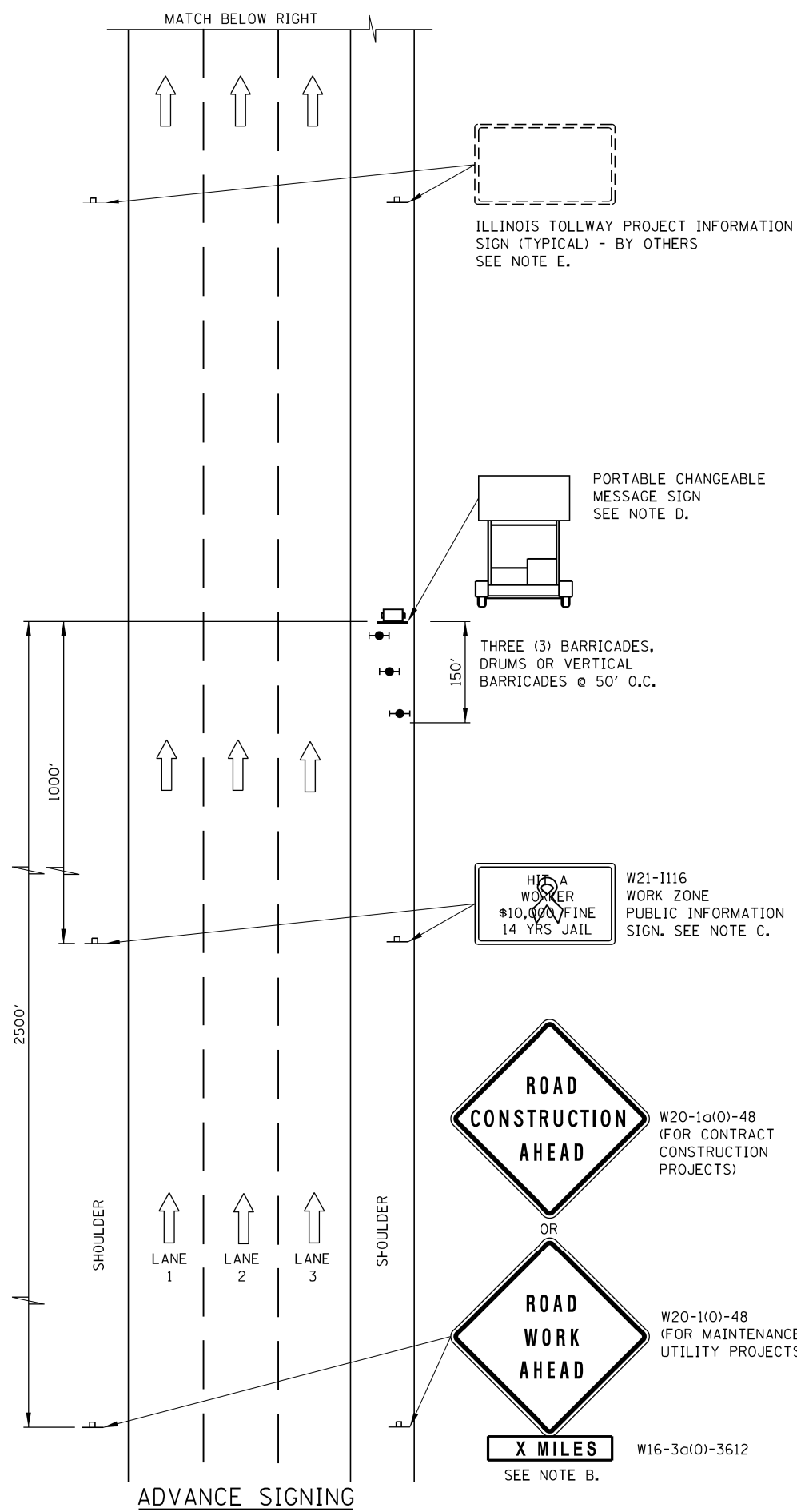
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

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

F.A.P. RTE. 307	SECTION (130 & 131)RS-4	COUNTY DUPAGE	TOTAL SHEETS 55	SHEET NO. 55C
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62F57	

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- LEGEND**
- ARROW BOARD
  - WORK AREA
  - SIGN
  - DIRECTIONAL INDICATOR BARRICADE WITH SEQUENTIAL FLASHING WARNING LIGHT
  - TYPE II BARRICADE, DRUM, OR VERTICAL BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
  - FLAGGER WITH TRAFFIC CONTROL SIGN
  - WORKER
  - LANE CLOSED

APPROVED . . . . . CHIEF ENGINEER . . . . . DATE 5-1-2009

SHEET 2 OF 4

**LANE CLOSURE DETAILS**

**STANDARD E2-07**

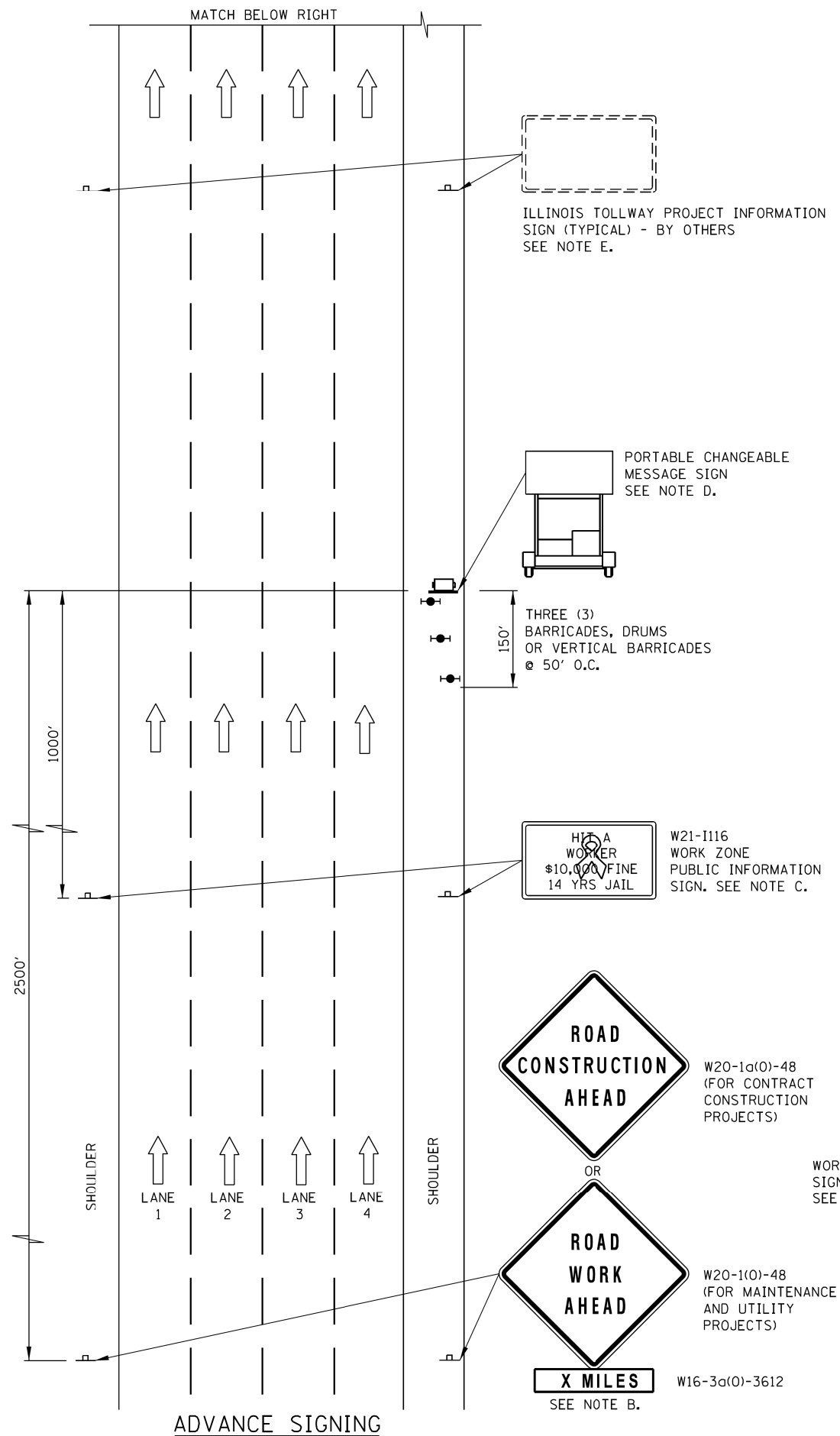
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	DATE -	REVISED -

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

**IL RTE. 64 (NORTH AVE.) - GARY AVE. TO IL RTE. 53 (ROHLWING RD.)**  
**TOLLWAY STANDARDS**

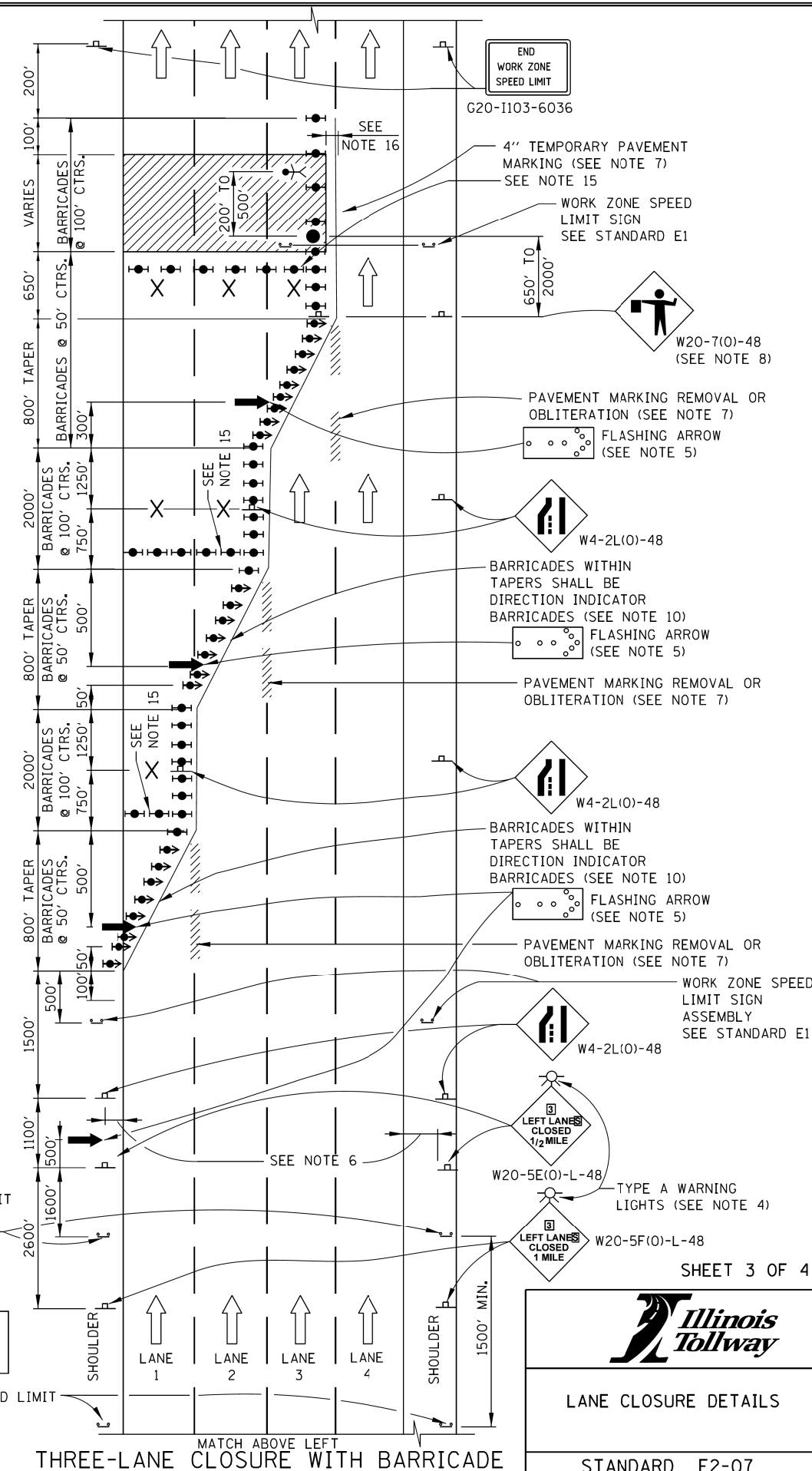
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	(130 & 131)RS-4	DUPAGE	55	550
CONTRACT NO. 62F57				
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- LEGEND**
- ARROW BOARD
  - WORK AREA
  - SIGN
  - DIRECTION INDICATOR BARRICADE WITH SEQUENTIAL FLASHING WARNING LIGHT
  - TYPE II BARRICADE, DRUM, OR VERTICAL BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
  - FLAGGER WITH TRAFFIC CONTROL SIGN
  - WORKER
  - LANE CLOSED

*Paul Kovacs*  
 APPROVED ... CHIEF ENGINEER ... DATE 5-1-2009



SHEET 3 OF 4

**Illinois Tollway**

LANE CLOSURE DETAILS

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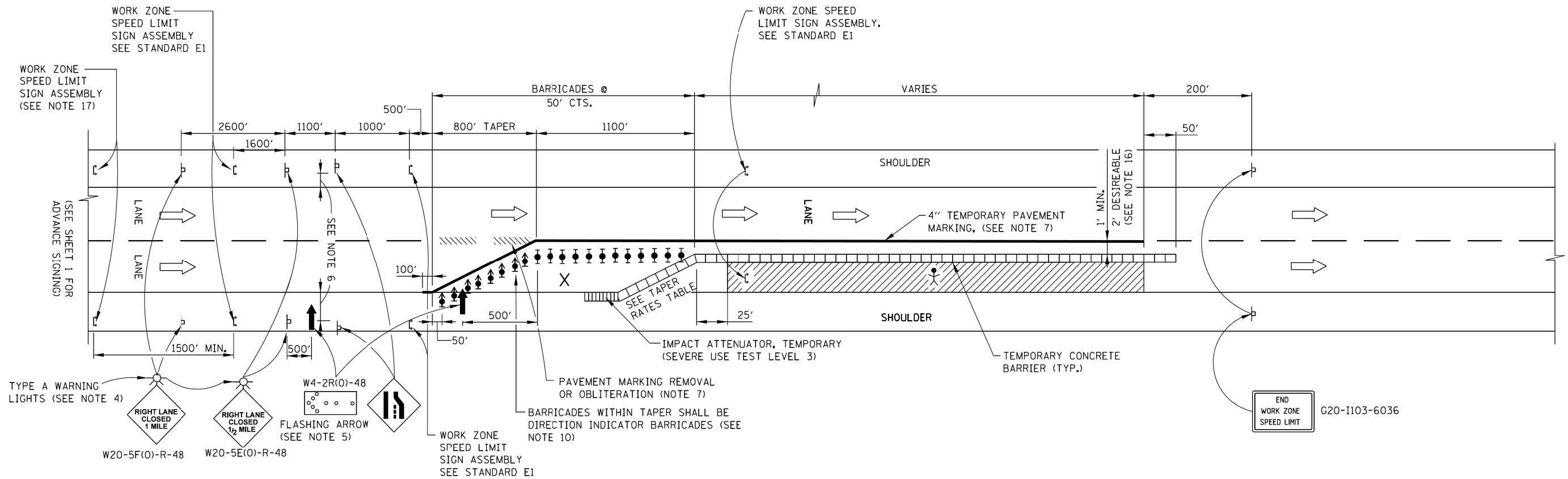
STATE OF ILLINOIS  
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IL RTE. 64 (NORTH AVE.) - GARY AVE. TO IL RTE. 53 (ROHLWING RD.)  
 TOLLWAY STANDARDS

SCALE: 1"=50'

SHEET OF SHEETS STA. TO STA.

F.A.P. RTE. 307	SECTION (130 & 131)RS-4	COUNTY DUPAGE	TOTAL SHEETS 55	SHEET NO. 55E
CONTRACT NO. 62F57				ILLINOIS FED. AID PROJECT



ONE-LANE CLOSURE WITH BARRIER

TAPER RATES

WORK ZONE SPEED (mph)	SHY LINE (ft.)	BARRIER INSIDE SHY LINE	BARRIER AT OR BEYOND SHY LINE
65	8.5	28:1	19:1
60	8	26:1	18:1
55	7	24:1	16:1
50	6.5	21:1	14:1
45	6	18:1	12:1
40	5	16:1	10:1
35	4.5	15:1	9:1
30	4	13:1	8:1

LEGEND

- ARROW BOARD
- WORK AREA
- SIGN
- PORTABLE CHANGEABLE MESSAGE SIGN
- DIRECTION INDICATOR BARRICADE WITH SEQUENTIAL FLASHING WARNING LIGHT
- TYPE II BARRICADE, DRUM, OR VERTICAL BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- WORKER
- LANE CLOSED

NOTE:

SEE SHEET 1 OF THIS SERIES FOR NOTES.

SHEET 4 OF 4



LANE CLOSURE DETAILS

STANDARD E2-07

APPROVED *Paul Kovacs* CHIEF ENGINEER DATE 3-31-2016

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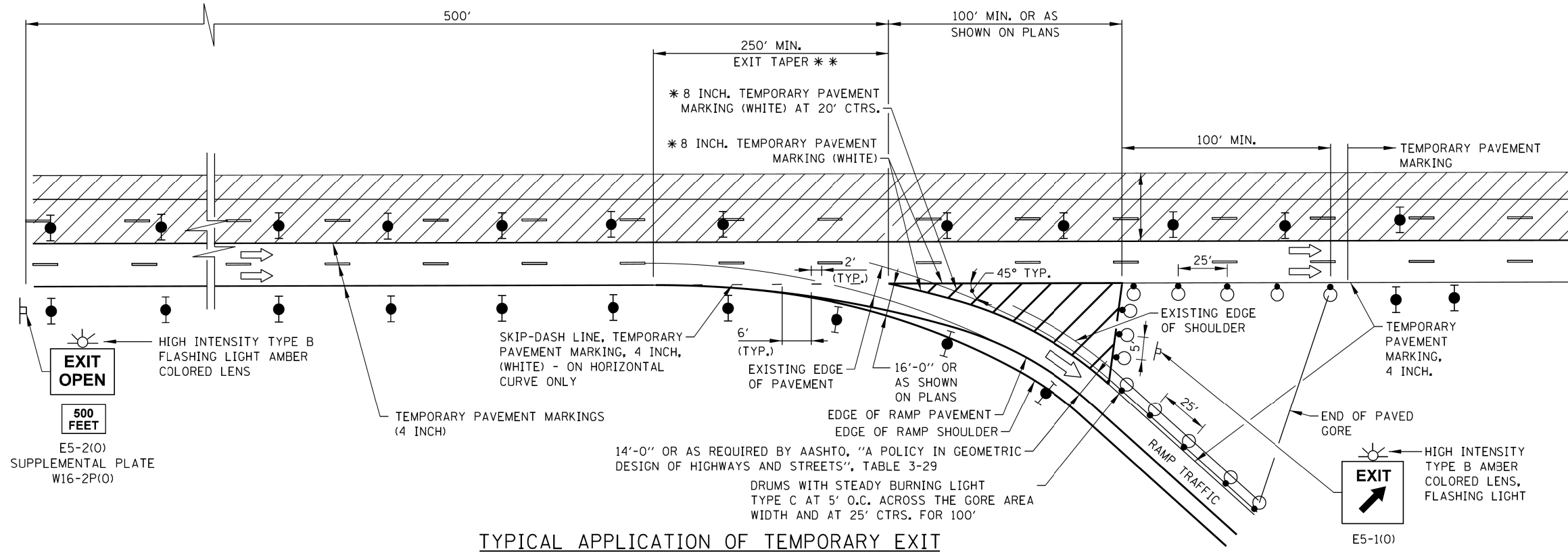
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TOLLWAY STANDARDS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	(130 & 131)RS-4	DUPAGE	55	55F
CONTRACT NO. 62F57			ILLINOIS FED. AID PROJECT	

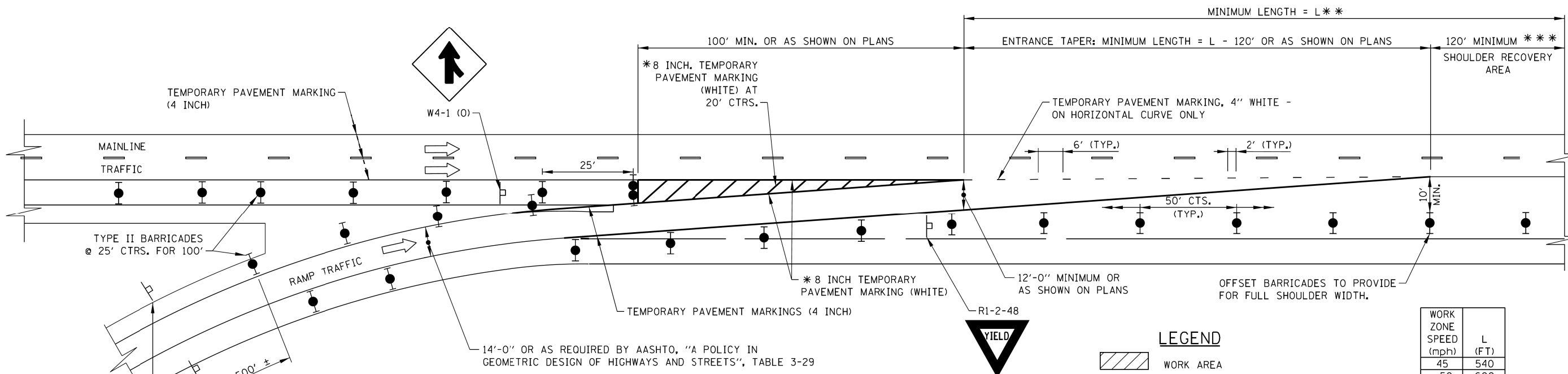
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	DATE -	REVISED -

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



TYPICAL APPLICATION OF TEMPORARY EXIT GORE DELINEATION AND SIGNING



TYPICAL APPLICATION OF TEMPORARY ENTRANCE GORE DELINEATION AND SIGNING

**LEGEND**

- WORK AREA
- SIGN
- TYPE II BARRICADE, DRUM, OR VERTICAL BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- DRUM WITH STEADY BURNING LIGHT

WORK ZONE SPEED (mph)	L (FT)
45	540
50	600

**NOTE:**  
 WHEN TEMPORARY PAVEMENT MARKING IS NOT REQUIRED, TEMPORARY GORES MAY BE DELINEATED BY DRUMS WITH STEADY BURN LIGHTS AT 25' C-C ACCORDING TO THE CONFIGURATIONS SHOWN.

\* 8 INCH TEMPORARY PAVEMENT MARKING IS TO BE MADE OF 2-TEMPORARY PAVEMENT MARKING 4 INCH, WHITE OF THE TYPE SPECIFIED.

\*\* REFER TO TABLE - TAPER LENGTHS ARE BASED ON 12'-0" RAMP WIDTH AT START OF ENTRANCE TAPER

\*\*\* WHERE VIABLE WITH STAGED CONSTRUCTION

DATE	REVISIONS
2-07-2012	REVISED MERGE SIGN.
3-31-2014	ADDED 45 MPH SPEED TO ENTRANCE TAPER.
3-11-2015	REVISED EXIT/ENTRANCE DETAIL LAYOUTS REMOVED DETAILS NOT NEEDED.
3-31-2016	REVISED ENTRANCE GORE DETAIL.
3-31-2017	REVISED EXIT GORE DRUM LAYOUT
3-1-2018	REVISED DIMENSIONS FOR ENTRANCE TAPER.

**TEMPORARY GORE DETAILS**

STANDARD E5-07

APPROVED: *Paul Kovacs* DATE 5-1-2009  
 CHIEF ENGINEERING OFFICER

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	DATE -	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

IL RTE. 64 (NORTH AVE.) - GARY AVE. TO IL RTE. 53 (ROHLWING RD.)  
 TOLLWAY STANDARDS

F.A.P. RTE. 307	SECTION (130 & 131)RS-4	COUNTY	TOTAL SHEETS 55	SHEET NO. 55C
SCALE: 1"=50'			CONTRACT NO. 62F57	
ILLINOIS FED. AID PROJECT				

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