

MUN. R.T.E.	SECTION	COUNTY	TOTAL SHEETS
900	17-00018-00-RS	LAKE	33
FED. ROAD DIST. NO.	ILLINOIS	CONTRACT NO.	61E38

FOR INDEX OF SHEETS, SEE SHEET NO. 2

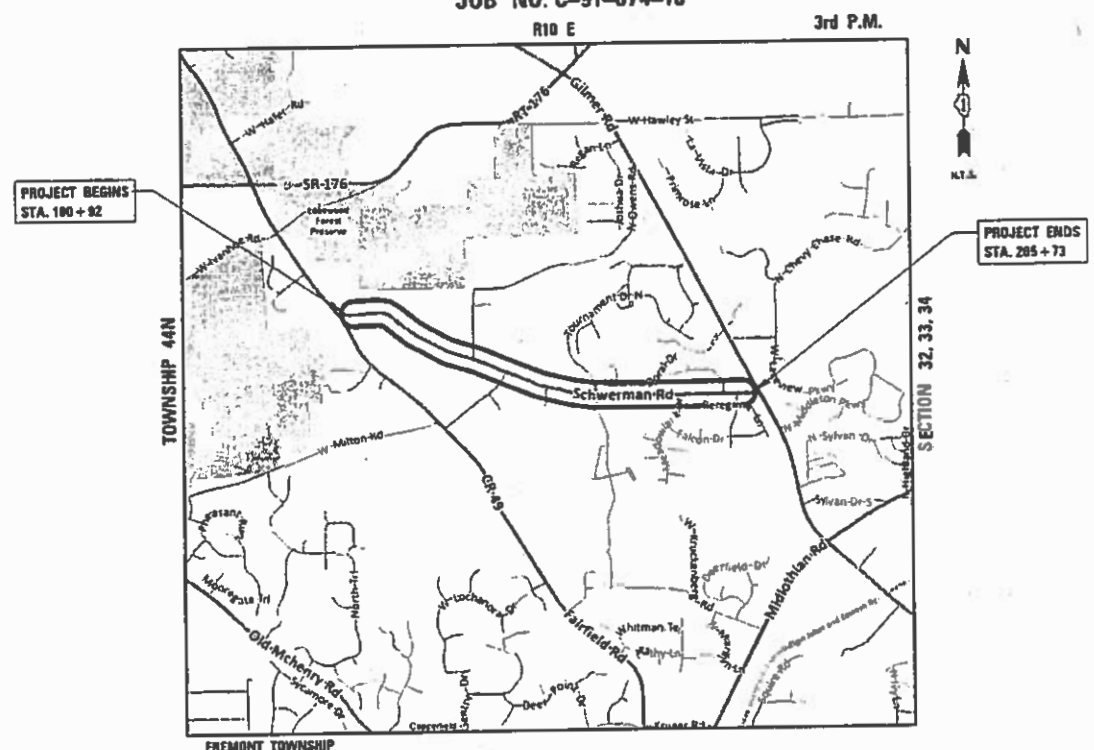
FOR LIST OF APPLICABLE HIGHWAY STANDARDS
SEE SHEET 2

03-09-2018 LETTING ITEM 119

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLANS FOR PROPOSED
FEDERAL AID HIGHWAY

TR 149 SCHWERMAN ROAD
FAIRFIELD ROAD TO OWENS ROAD
MUN 900 SCHWERMAN ROAD
OWENS ROAD TO GILMER ROAD
RESURFACING
SECTION NO. 17-00018-00-RS
PROJECT NO. UJNT (553)
VILLAGE OF HAWTHORN WOODS
LAKE COUNTY
JOB NO. C-91-074-18



LOCATION MAP

W. SCHWERMAN ROAD
GROSS LENGTH OF PROJECT = 10,483 FEET (1.98 MILES)
NET LENGTH OF PROJECT = 10,483 FEET (1.98 MILES)

TRAFFIC DATA

W. SCHWERMAN ROAD
ADT = 1670 (PROVIDED BY QUALITY COUNTS, LLC, 2016)
POSTED SPEED LIMIT = 35 MPH
W. SCHWERMAN ROAD DESIGN DESIGNATION: MINOR COLLECTOR



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
8-1-1 OR 1-800-892-0123

CB CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018 (847) 823-0500

PROFESSIONAL DESIGN FIRM NO. 184-001175
EXPIRATION DATE: 04/30/19

CONTRACT NO. 61E38



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

APPROVED 12-06-2017
[Signature]
PUBLIC WORKS DIRECTOR, VILLAGE OF HAWTHORN WOODS

PASSED DECEMBER 14 2017
[Signature]
DISTRICT 1 ENGINEER OF LOCAL ROADS AND BRIDGES

RELEASING FOR BID BASED ON LIMITED REVIEW December 14, 2017
[Signature]
REGIONAL ENGINEER

LEE M. FELL
REGISTERED PROFESSIONAL ENGINEER OF ILLINOIS

[Signature] 12/1/17
ENGINEER DATE

LEE M. FELL
ILLINOIS REGISTRATION NO. 062-053708
EXPIRATION DATE: 11/30/2019

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

PROGRAM AND OFFICE ENGINEER: CHARLES F. RIDDLE, P.E. (847) 705-4406 SCHAUMBURG, ILLINOIS

INDEX OF SHEETS

<u>DESCRIPTION</u>	<u>SHEET NO.</u>
COVER SHEET	1
GENERAL NOTES AND HIGHWAY STANDARDS	2
SUMMARY OF QUANTITIES	3
TYPICAL SECTIONS	4-5
W. SCHWERMAN RD. EXISTING CONDITIONS AND REMOVAL PLAN	6-15
W. SCHWERMAN RD. PROPOSED PLAN	16-25
CONSTRUCTION DETAILS	26
PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT (BD-22)	27
CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT (BD-24)	28
BUTT JOINT AND HMA TAPER DETAILS (BD-32)	29
TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS (TC-10)	30
DISTRICT ONE TYPICAL PAVEMENT MARKINGS (TC-13)	31
SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS (TC-16)	32
ARTERIAL ROAD INFORMATION SIGN (TC 22)	33

GENERAL NOTES

SPECIFICATIONS, STANDARDS AND SPECIAL PROVISIONS

ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", ADOPTED APRIL 1, 2016; THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS", THE LATEST REVISION; THE LATEST EDITION OF THE "ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS", (IMUTCD); "THE STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS" JUNE 2014 SEVENTH EDITION, THE "DETAILS" IN THE PLANS AND THE "SPECIAL PROVISIONS" INCLUDED IN THE CONTRACT DOCUMENTS.

ANY REFERENCE TO STANDARDS THROUGHOUT THE PLANS OR SPECIAL PROVISIONS SHALL BE INTERPRETED AS THE LATEST IDOT HIGHWAY STANDARD.
CODES OF THE IEPA TITLE 35, AND O.S.H.A. SHALL BE ADHERED TO FOR THE CONSTRUCTION OF THIS PROJECT.

ALL TRAFFIC CONTROL AND OTHER ADVISORY SIGNS NEEDED FOR CONSTRUCTION ARE TO BE FURNISHED BY THE CONTRACTOR IN ACCORDANCE WITH SECTION 700 OF THE STANDARD SPECIFICATIONS.

ALL REQUIRED PERMITS FROM THE PROPER GOVERNING AGENCY SHALL BE OBTAINED FOR CONSTRUCTION ALONG OR ACROSS EXISTING STREETS OR HIGHWAYS. THE CONTRACTOR SHALL MAKE ARRANGEMENTS FOR THE PROPER BRACING, SHEETING, SHORING AND OTHER REQUIRED PROTECTION OF ALL ROADWAYS BEFORE CONSTRUCTION BEGINS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO THE STREETS OR ROADWAYS AND ASSOCIATED STRUCTURES AND SHALL MAKE REPAIRS AS NECESSARY TO THE SATISFACTION OF THE AGENCY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF ADEQUATE SIGNS AND WARNING DEVICES TO INFORM AND PROTECT THE PUBLIC.

UTILITIES

THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE OWNERS OF ALL EXISTING UTILITY FACILITIES SO THAT THE UTILITIES AND THEIR APPURTENANCES MAY BE LOCATED AND ADJUSTED OR MOVED, IF NECESSARY, PRIOR TO THE START OF CONSTRUCTION OPERATIONS. THE CONTRACTOR SHALL COOPERATE WITH ALL UTILITY OWNERS AS PROVIDED FOR IN THE STANDARD SPECIFICATIONS.

THE LOCATIONS OF EXISTING DRAINAGE STRUCTURES, STORM AND SANITARY SEWERS, WATER SERVICE LINES AND OTHER UTILITY LINES ARE APPROXIMATE, AND THE VILLAGE DOES NOT GUARANTEE THEIR ACCURACY. THEIR EXACT HORIZONTAL AND VERTICAL LOCATIONS ARE TO BE DETERMINED IN THE FIELD BY THE CONTRACTOR.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UNDERGROUND OR SURFACE UTILITIES EVEN THOUGH THEY MAY NOT BE SHOWN ON THE PLANS. ANY UTILITY THAT IS DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE ENGINEER.

BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" AT 8-1-1 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE, GAS AND CABLE.

THE CONTRACTOR SHALL CONTACT IDOT'S BUREAU OF MATERIALS (PHONE 847-705-4337) AT LEAST 24 HOURS BEFORE PLACING HOT-MIX ASPHALT OR PORTLAND CEMENT CONCRETE.

WATER, STORM SEWER AND SANITARY SEWER

WHENEVER DURING CONSTRUCTION OPERATIONS ANY LOOSE MATERIAL IS DEPOSITED IN THE FLOW LINE OF DRAINAGE STRUCTURES SUCH THAT THE NATURAL FLOW OF WATER IS OBSTRUCTED, IT SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. AT THE CONCLUSION OF CONSTRUCTION OPERATIONS, ALL UTILITY STRUCTURES SHALL BE FREE FROM DIRT AND DEBRIS.

THE CONTRACTOR SHALL NOT OPEN OR SHUT ANY WATER VALVES OR FIRE HYDRANTS. CONTACT THE VILLAGE OF HAWTHORN WOODS (TEL. 847-438-5500) AND AQUA ILLINOIS (TEL. 815-278-2491) FOR THEM TO TURN VALVES OR OPERATE HYDRANTS. ANY UNAUTHORIZED USE OF THIS EQUIPMENT THE OFFENDER WILL BE SUBJECT TO ARREST AND PROSECUTION.

MISCELLANEOUS

DIMENSIONS: IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION.

ALL SAWCUTTING SHALL BE PERFORMED PRIOR TO BEGINNING REMOVAL. ANY ITEMS OF WORK REMOVED PRIOR TO SAWCUTTING WILL NOT BE MEASURED FOR PAYMENT.

COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT, SIDEWALK REMOVAL AND REPLACEMENT, DRIVEWAY REMOVAL AND REPLACEMENT, AND STRUCTURES TO BE ADJUSTED WILL BE DETERMINED BY THE ENGINEER IN THE FIELD AND WILL NOT EXCEED THE PLANNED QUANTITY.

THE THICKNESSES OF HOT-MIX ASPHALT MIXTURES SHOWN IN THE PLANS ARE NOMINAL. DEVIATIONS MAY OCCUR DUE TO IRREGULARITIES IN THE SURFACES OR BASIS ON WHICH THEY ARE TO BE PLACED. PLAN THICKNESSES SHOULD BE CONSIDERED THE MINIMUM THICKNESS PERMITTED.

DETECTABLE WARNINGS FOR THE HANDICAPPED SHALL BE INSTALLED AT INTERSECTING STREETS, AT THE LOCATIONS SHOWN ON THE PLANS.

RELOCATING EXISTING SIGNS: EXISTING SIGNS WHICH ARE IN CONFLICT WITH PROPOSED IMPROVEMENTS SHALL BE REMOVED AND REINSTALLED UPON COMPLETION OF CONFLICTING IMPROVEMENTS IN ACCORDANCE WITH ARTICLE 107.25 OF THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION". STOP SIGNS, SPEED LIMIT SIGNS, AND STREET NAME SIGNS SHALL BE UP AND VISIBLE AT ALL TIMES.

FRESH OIL SIGNS SHALL BE POSTED AT BOTH ENDS OF THE ROADWAY AND ALL SIDE STREETS AS DIRECTED BY THE ENGINEER. CONSTRUCTION AHEAD SIGNS SHALL BE PLACED AT ALL SIDE STREETS AND BOTH ENDS OF THE ROADWAY WHILE CONSTRUCTION IS IN PROGRESS.

CONTRACTOR SHALL NOT PLACE SOD UNTIL THE TEMPERATURE IS 80° OR LESS AND THE FORECAST FOR THE NEXT 7 DAYS SHOWS TEMPERATURES OF 80° OR LESS. IF ALL OTHER PAY ITEMS ARE COMPLETED, THE CONTRACTOR WILL NOT BE CHARGED WORKING DAYS FOR DELAYS IN PARKWAY RESTORATION DUE TO TEMPERATURE.

NO CONSTRUCTION SHALL BEGIN UNTIL ALL PROPER TEMPORARY SIGNS AND BARRICADES HAVE BEEN INSTALLED.

AT NO TIME SHALL LESS THAN HALF OF THE STREET BE AVAILABLE FOR PARKING.

ALL ROADS MUST HAVE ONLY ONE LONGITUDINAL JOINT WHILE PAVING.

VANDALISM - SPECIAL ATTENTION IS CALLED TO THE SPECIAL PROVISION FOR "INSPECTION" AS WELL AS ARTICLE 107.30 OF THE "STANDARD SPECIFICATIONS." ANY DEFACED WORK AS DETERMINED AND DIRECTED BY THE VILLAGE SHALL BE CORRECTED OR REPLACED TO THE SATISFACTION OF THE ENGINEER. THE VILLAGE OF HAWTHORN WOODS WILL COOPERATE WITH THE CONTRACTOR TO MINIMIZE VANDALISM, BUT THE CONTRACTOR SHALL BE ULTIMATELY RESPONSIBLE TO CORRECT ANY DAMAGE. THE VILLAGE WILL NOT BE RESPONSIBLE FOR THE SECURITY OF THE WORK SITE IN THIS REGARD, OTHER THAN NORMAL PATROLLING AND REPOSE TO EMERGENCIES. SECURITY REQUIRED TO MEET THIS SPECIAL PROVISION SHALL BE INCLUDED.

ALL DETECTABLE WARNING TACTILES SHALL BE FIELD VERIFIED AND THE SIZE TO BE DETERMINED BY THE CONTRACTOR PRIOR TO ORDERING.

FLAGGERS SHALL BE PRESENT DURING PAVEMENT REMOVAL AS WELL AS RESURFACING ACTIVITIES WHEN WORK IS ADJACENT TO OR WITHIN THE TRAFFIC CIRCLE AT TOURNAMENT DRIVE.

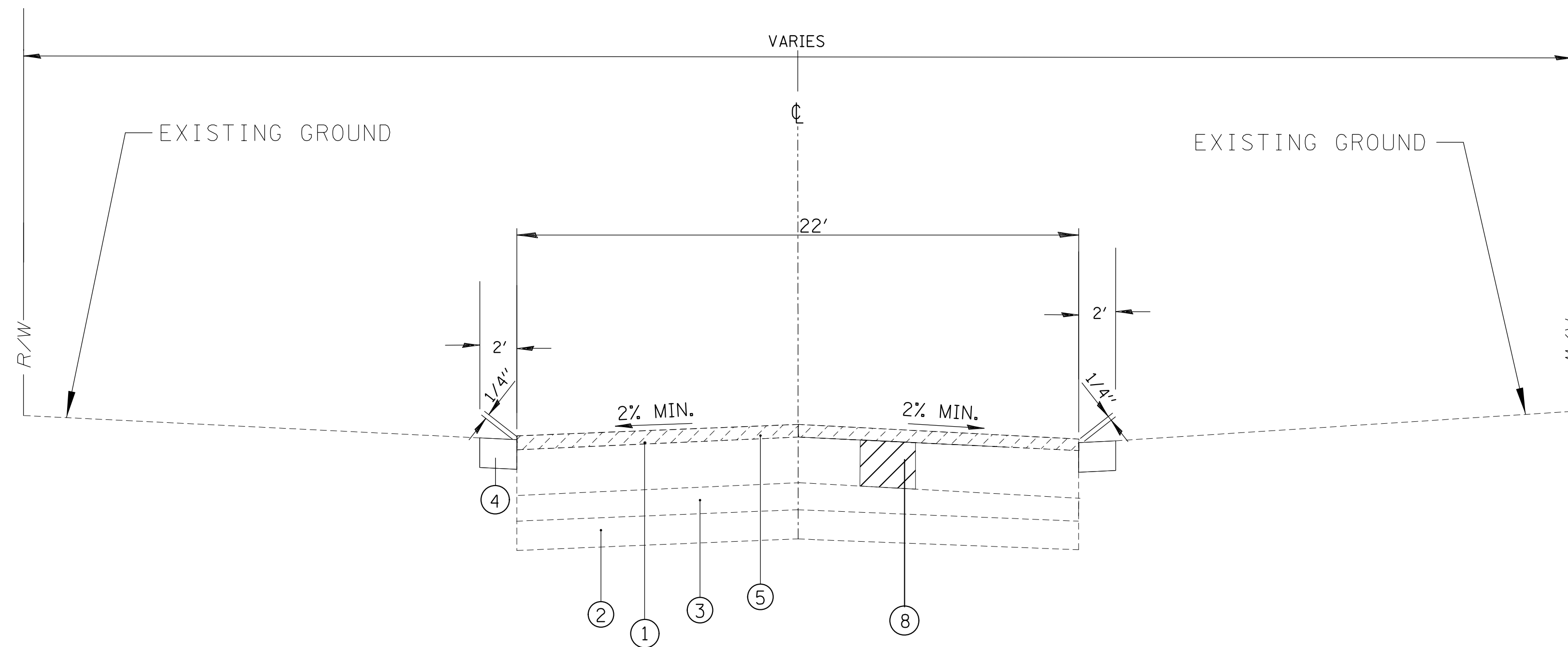
HIGHWAY STANDARDS

000001-06	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
424001-10	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
606001-07	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
701006-05	OFF ROAD OPERATIONS, 2L, 2W, 15' TO 24" FROM PAVEMENT EDGE
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY
701501-06	URBAN LANE CLOSURE, 2L, 2W, - UNDIVIDED
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-06	SIDEWALK, CORNER, OR CROSSWALK CLOSURE
701901-07	TRAFFIC CONTROL DEVICES
780001-05	TYPICAL PAVEMENT MARKINGS

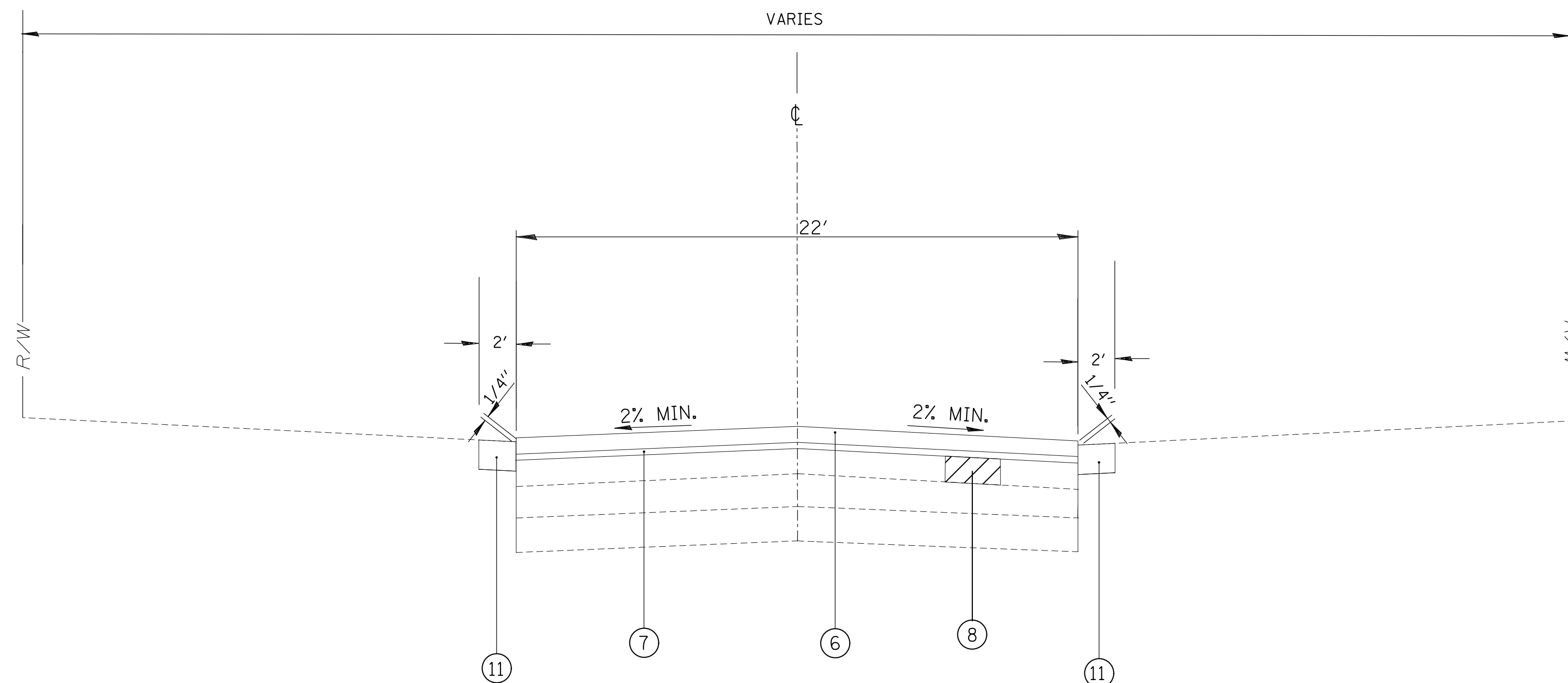
DISTRICT ONE DETAILS

BD-22	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT
BD-24	CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT
BD-32	BUTT JOINT AND HMA TAPER DETAILS
TC-10	TRAFFIC CONTROL FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS
TC-13	DISTRICT ONE TYPICAL PAVEMENT MARKINGS
TC-16	SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS
TC-22	ARTERIAL ROAD INFORMATION SIGN

FILE NAME = ...\\civil\not_0265h229.sht	USER NAME = jhouseh	DESIGNED - JEH	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	W. SCHWERMAN RD. GENERAL NOTES AND HIGHWAY STANDARDS	MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 20'	DRAWN - JEH	REVISED -			900	17-00018-00-RS	LAKE	33	2
Default	PLOT DATE = 12/7/2017	CHECKED - LMF	REVISED -			CONTRACT NO. 61E38			ILLINOIS FED. AID PROJECT	
		DATE -	REVISED -	SCALE:	SHEET OF SHEETS	STA. TO STA.				



**EXISTING TYPICAL SECTION
STA. 100+92 TO STA. 145+86, SCHWERMAN ROAD**



**PROPOSED TYPICAL SECTION
STA. 100+92 TO STA. 145+86, SCHWERMAN ROAD**

- NOTES:**
- PAVING OF THE FULL ROADWAY WIDTH SHALL BE COMPLETED AT THE END OF EACH DAY OF PAVING TO PREVENT A LONGITUDINAL COLD JOINT FROM APPEARING WHEN OPPOSITE SIDES OF THE ROAD ARE PAVED ON DIFFERENT DAYS. THE CONTRACTOR SHALL ALSO ENSURE THAT AT THE END OF EACH DAY EACH PASS ENDS AT APPROXIMATELY THE SAME STATION TO PREVENT A COLD JOINT.

HOT-MIX ASPHALT MIXTURE REQUIREMENTS	
RESURFACING ITEM	VOIDS
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5 mm), 1.5"	4% @ 50 GYR.
POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 0.75"	3.5% @ 50 GYR.
PATCHING ITEM	
CLASS D PATCHES, (HMA BINDER IL 19MM) 8 INCH	4% @ 70 GYR.

MIXTURE REQUIREMENT NOTES:

- THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MIXTURE IS 112 LBS/SY/IN. 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 "PERCENT OF RAP" SEE DISTRICT ONE SPECIAL PROVISIONS.

LEGEND

- ① EXISTING HOT-MIX ASPHALT PAVEMENT
- ② EXISTING AGGREGATE SUBBASE
- ③ EXISTING AGGREGATE BASE
- ④ EXISTING AGGREGATE SHOULDER
- ⑤ HOT-MIX ASPHALT SURFACE REMOVAL, 2"
- ⑥ HOT-MIX ASPHALT SURFACE COURSE, MIX "D" N50 - 1.5"
- ⑦ POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50- 0.75"
- ⑧ CLASS D PATCHES, 8 INCH
- ⑨ GRANULAR SUBBASE MATERIAL, TYPE B, 4"
- ⑩ PORTLAND CEMENT CONCRETE SHOULDERS 9" REMOVAL AND REPLACEMENT
- ⑪ AGGREGATE SHOULDERS, TYPE B, 4"

CORE DETAILS

CORE NUMBER (AS SHOWN IN REPORT)	ASPHALT TOTAL THICKNESS	SUBBASE THICKNESS	CORE STATION
1	10.75"	7"	STA. 109+28
2	10.25"	4"	STA. 129+88
3	12.5"	9"	STA. 149+33
4	13"	5"	STA. 169+89
5	12.5"	7"	STA. 189+66

AVG. 11.8" 6.4"

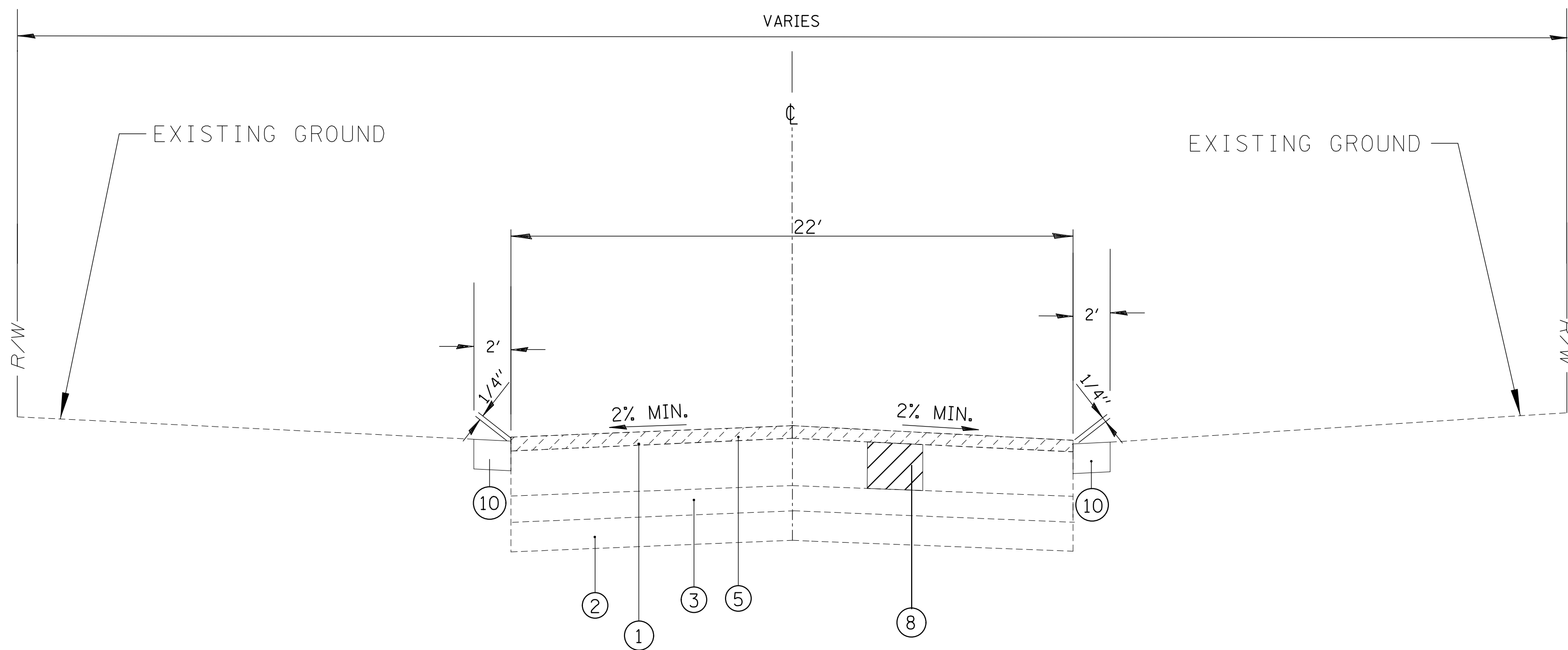
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**W. SCHWERMAN ROAD
TYPICAL SECTIONS**

SCALE: SHEET OF SHEETS STA. TO STA.

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
900	17-00018-00-RS	LAKE	33	4
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61E38	



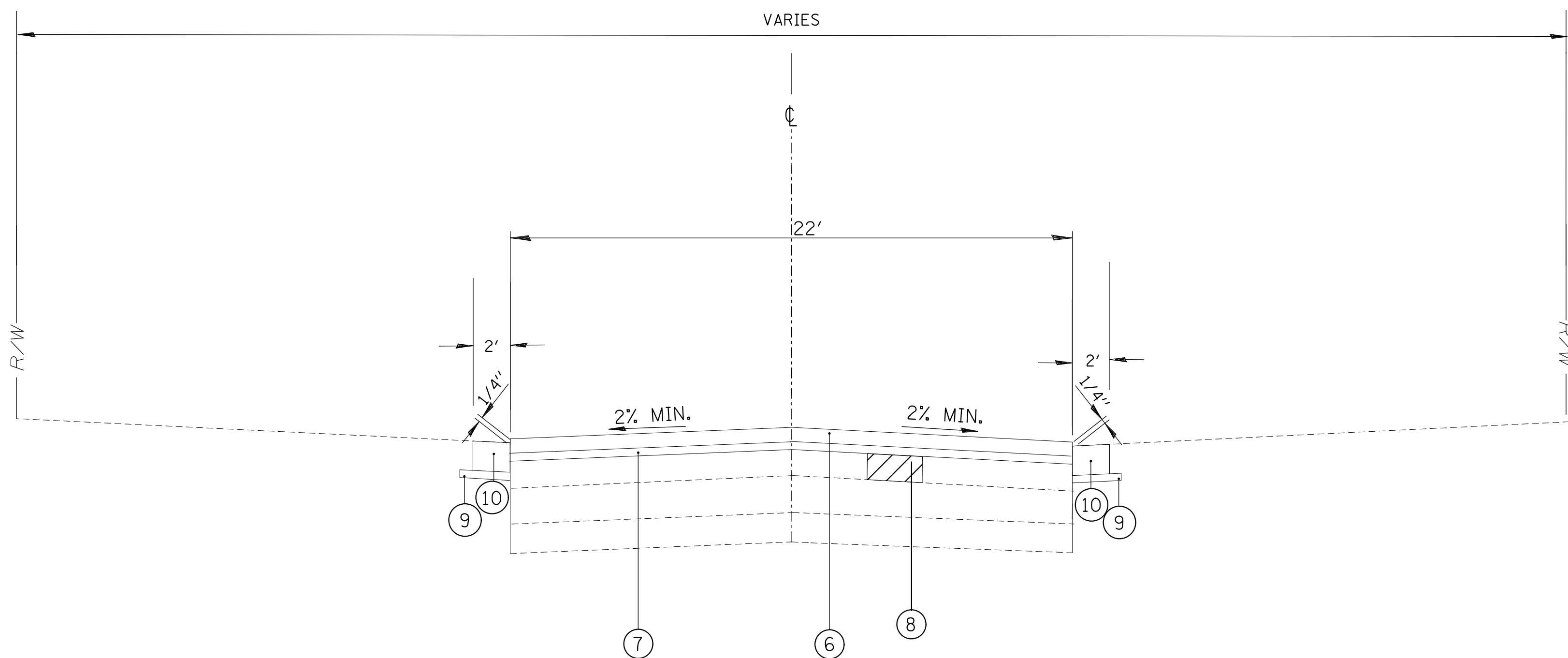
EXISTING TYPICAL SECTION
STA. 145+86 TO STA. 205+73, SCHWERMAN ROAD

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- FOR "PERCENT OF RAP" SEE DISTRICT ONE SPECIAL PROVISIONS.



PROPOSED TYPICAL SECTION
STA. 145+86 TO STA. 205+73, SCHWERMAN ROAD

LEGEND

- ① EXISTING HOT-MIX ASPHALT PAVEMENT
- ② EXISTING AGGREGATE SUBBASE
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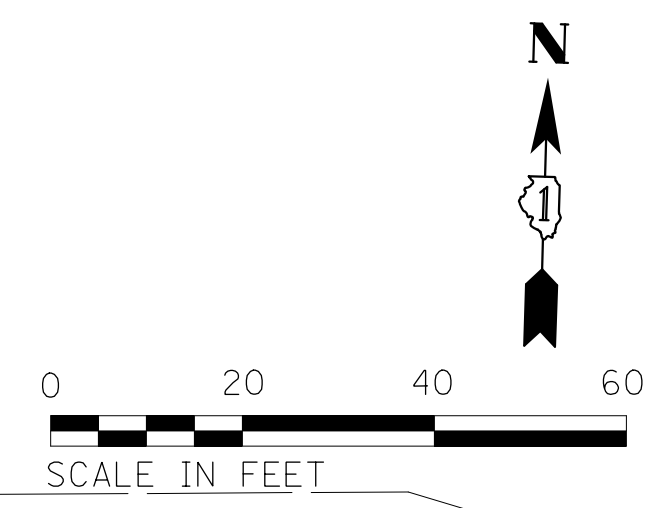
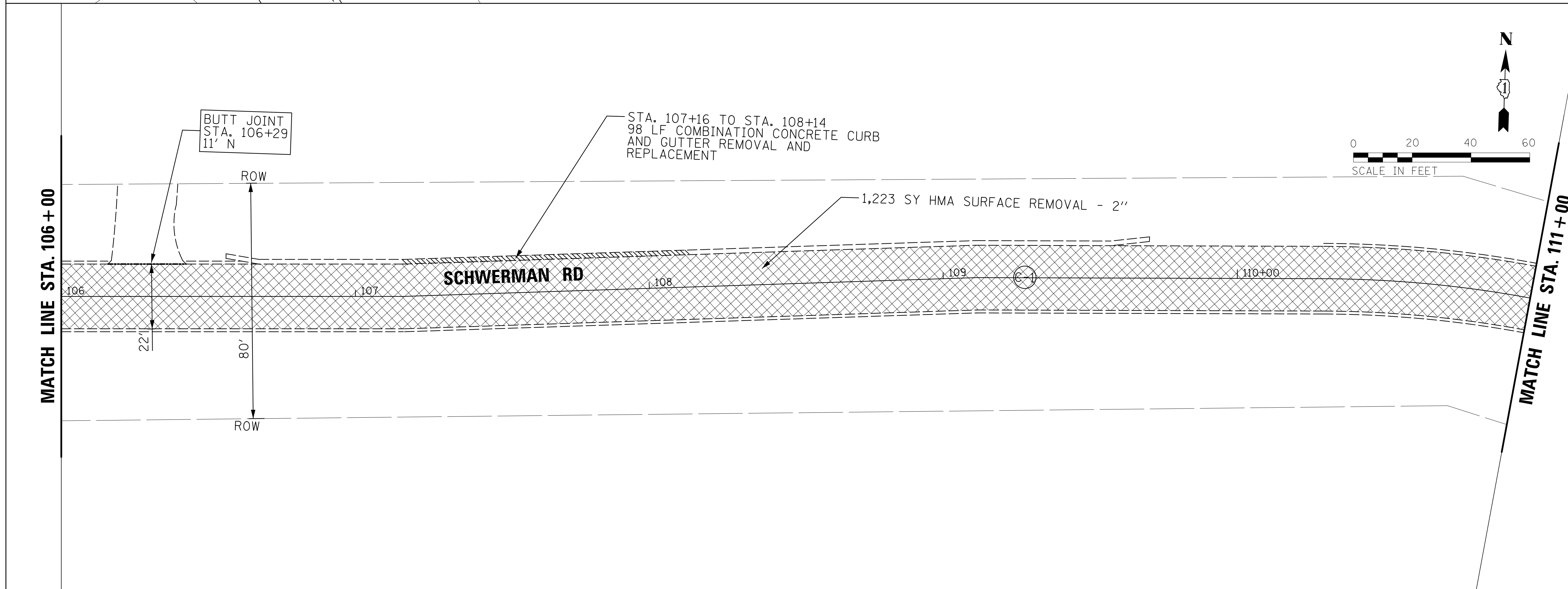
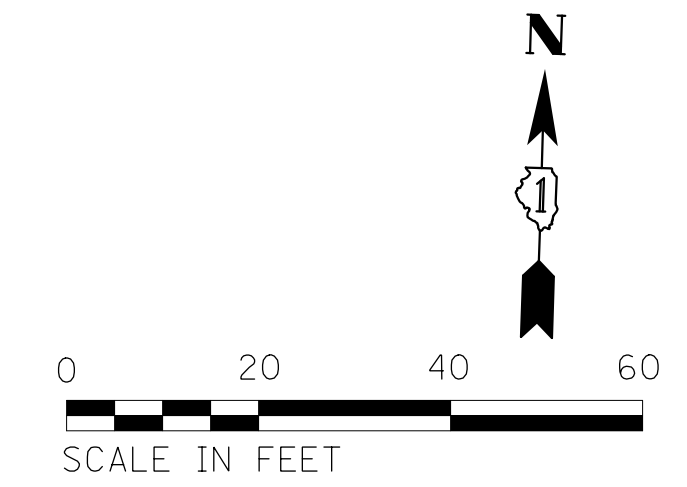
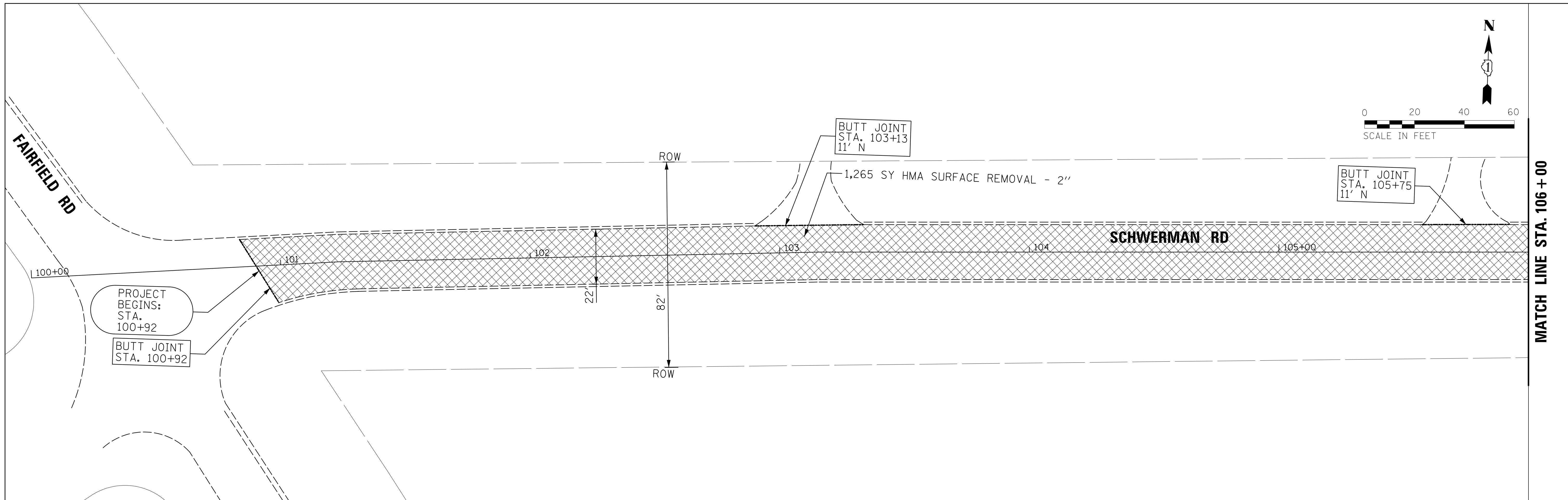
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

W. SCHWERMAN ROAD
TYPICAL SECTIONS

SCALE: SHEET OF SHEETS STA. TO STA.

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
900	17-00018-00-RS	LAKE	33	5
			CONTRACT NO. 61E38	
ILLINOIS FED. AID PROJECT				



KEYPLAN

LEGEND:

- CURB AND GUTTER REMOVAL
- PCC SHOULDER REMOVAL
- HOT-MIX ASPHALT SURFACE REMOVAL, 2"
- SIDEWALK REMOVAL
- BUTT JOINT

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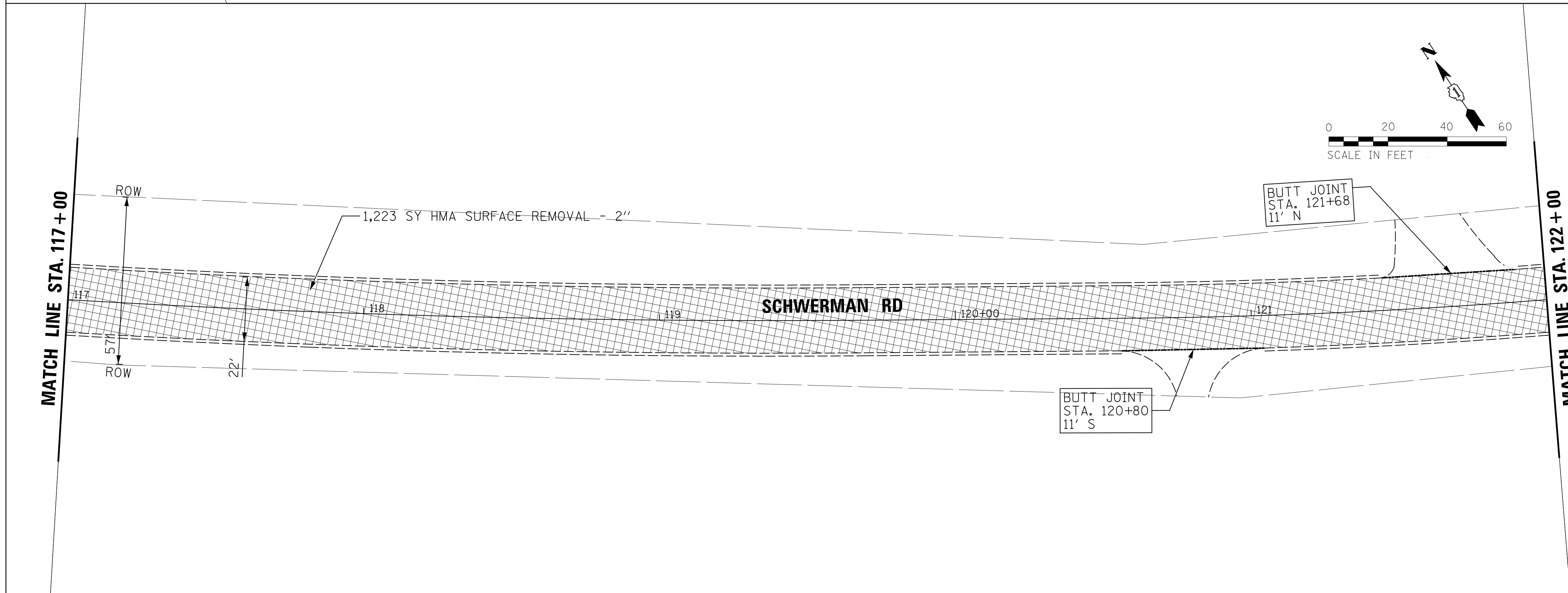
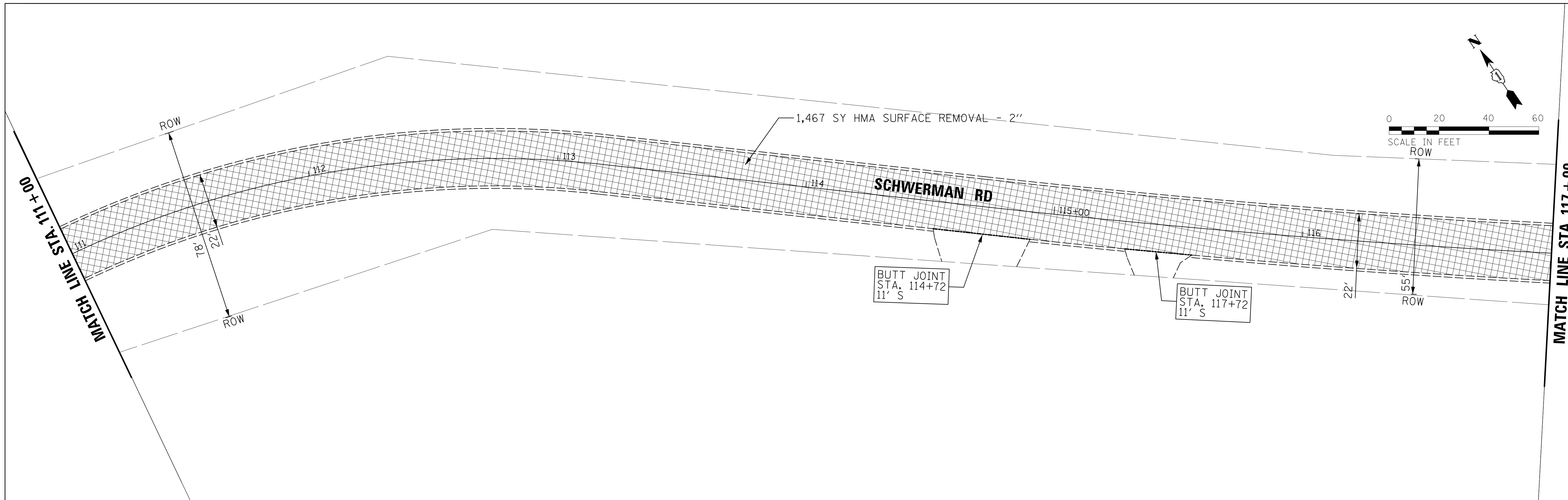
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**W. SCHWERMAN RD.
EXISTING CONDITIONS AND REMOVAL PLAN**

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
900	17-00018-00-RS	LAKE	33	6
CONTRACT NO. 61E38			ILLINOIS FED. AID PROJECT	

SCALE: SHEET OF SHEETS STA. TO STA.



KEYPLAN

LEGEND:

- CURB AND GUTTER REMOVAL
- PCC SHOULDER REMOVAL
- HOT-MIX ASPHALT SURFACE REMOVAL, 2"
- SIDEWALK REMOVAL
- BUTT JOINT

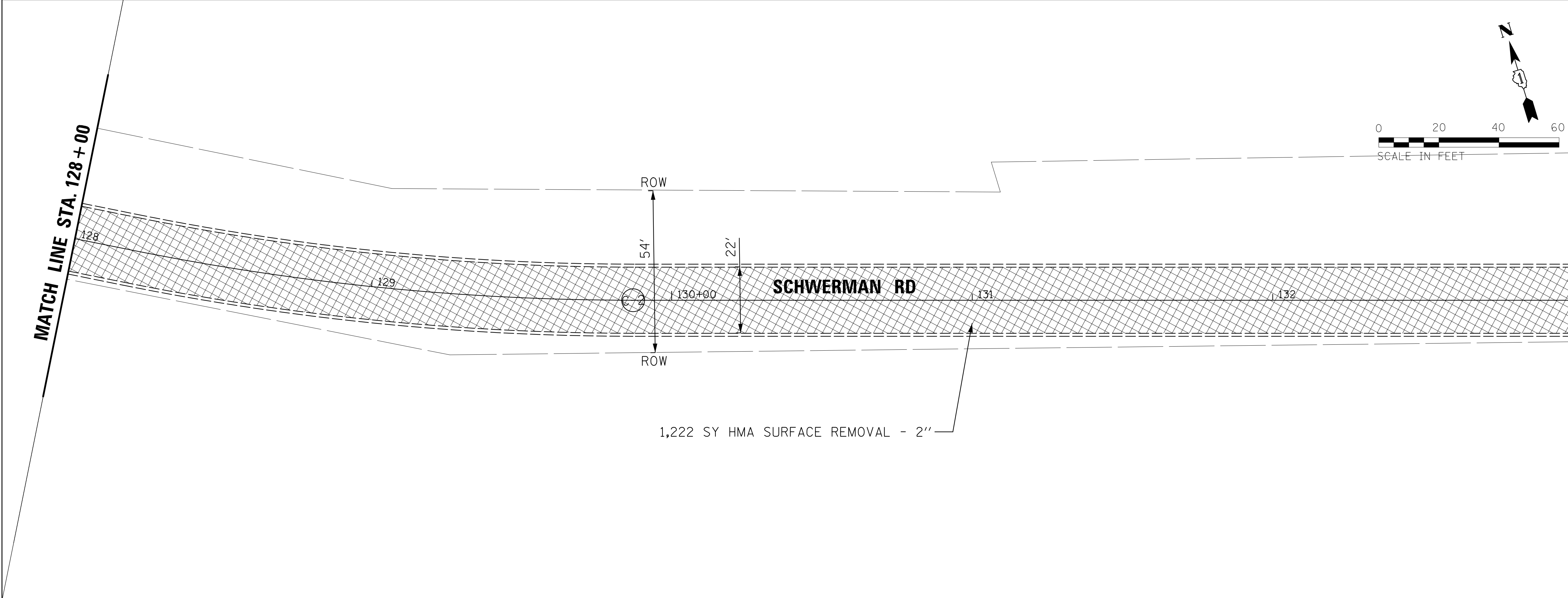
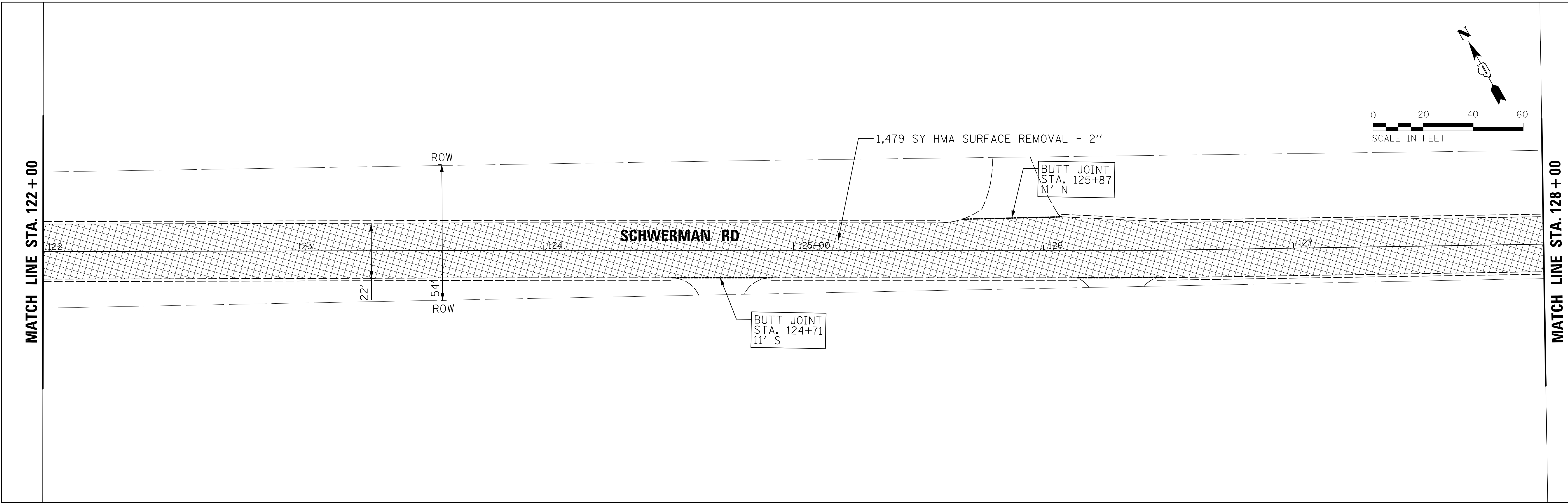
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		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**W. SCHWERMAN RD.
EXISTING CONDITIONS AND REMOVAL PLAN**

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
900	17-00018-00-RS	LAKE	33	7
CONTRACT NO. 61E38			ILLINOIS FED. AID PROJECT	

SCALE: SHEET OF SHEETS STA. TO STA.



KEYPLAN

LEGEND:

- CURB AND GUTTER REMOVAL
- PCC SHOULDER REMOVAL
- HOT-MIX ASPHALT SURFACE REMOVAL, 2"
- SIDEWALK REMOVAL
- BUTT JOINT

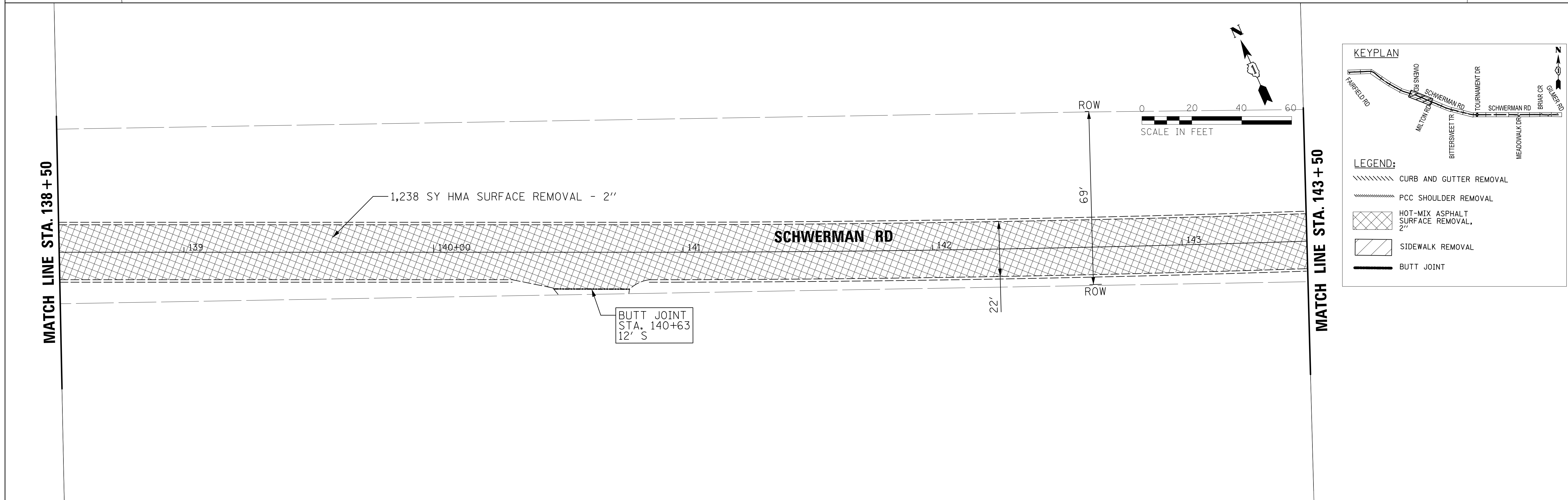
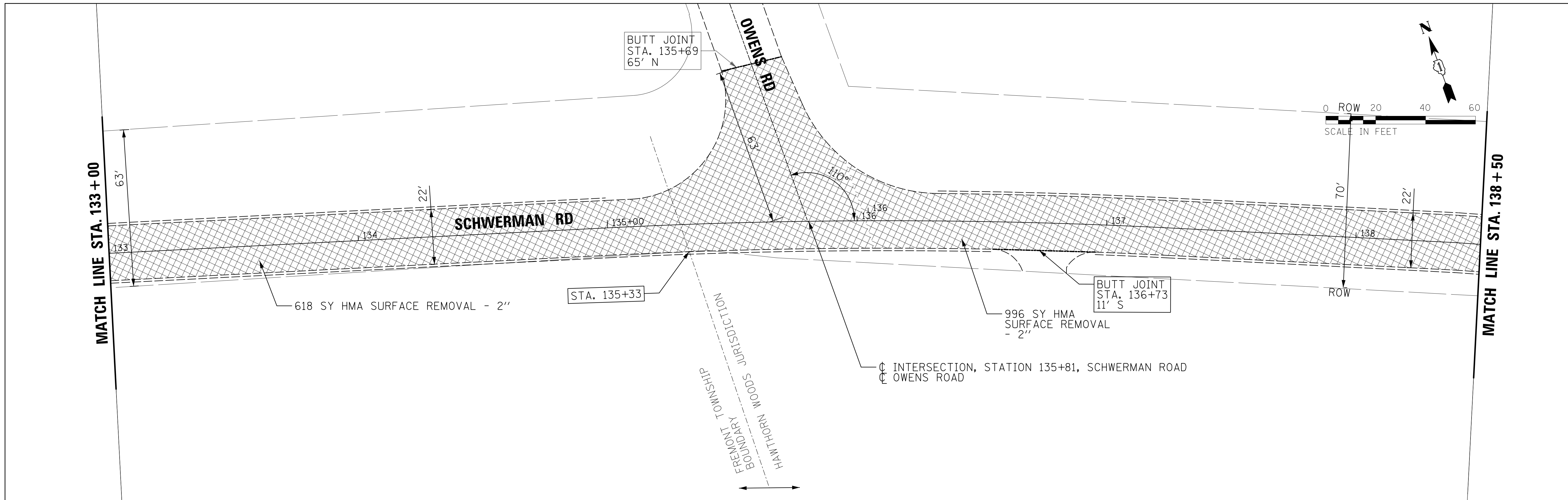
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**W. SCHWERMAN RD.
EXISTING CONDITIONS AND REMOVAL PLAN**

SCALE: SHEET OF SHEETS STA. TO STA.

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
900	17-00018-00-RS	LAKE	33	8
CONTRACT NO. 61E38				
ILLINOIS FED. AID PROJECT				



KEYPLAN

LEGEND:

- CURB AND GUTTER REMOVAL
- PCC SHOULDER REMOVAL
- HOT-MIX ASPHALT SURFACE REMOVAL, 2"
- SIDEWALK REMOVAL
- BUTT JOINT

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PLOT SCALE = 20'
PLOT DATE = 12/7/2017

DESIGNED - JEH
DRAWN - JEH
CHECKED - LMF
DATE -

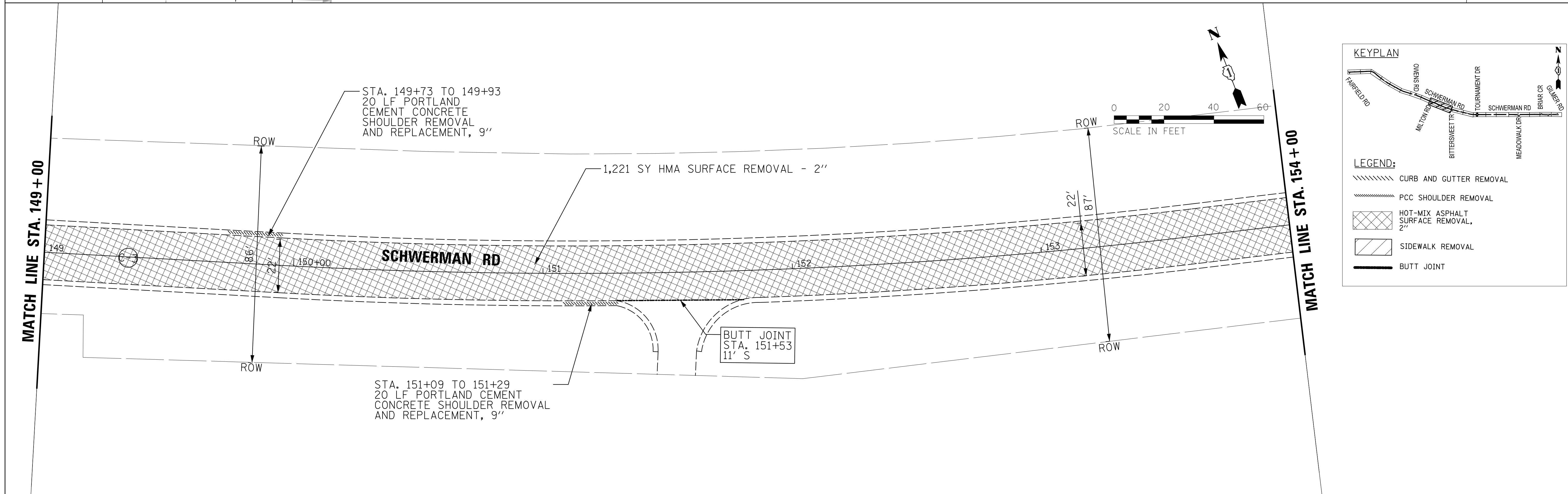
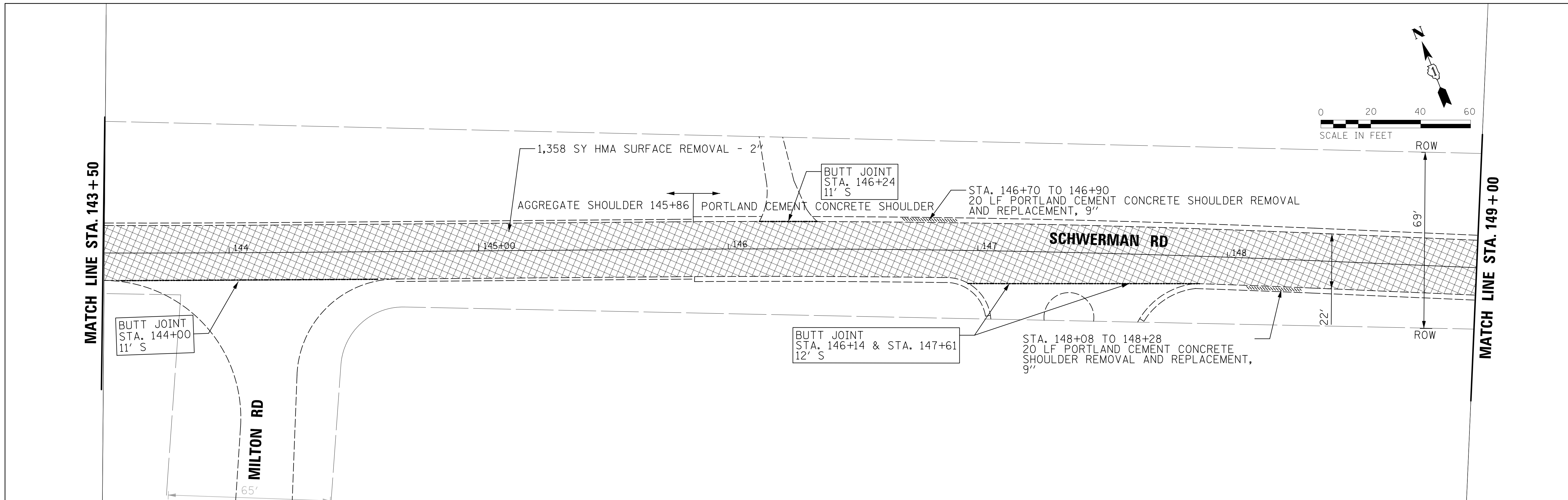
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REVISED -
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REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**W. SCHWERMAN RD.
EXISTING CONDITIONS AND REMOVAL PLAN**

SCALE: SHEET OF SHEETS STA. TO STA.

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
900	17-00018-00-RS	LAKE	33	9
CONTRACT NO. 61E38				
ILLINOIS FED. AID PROJECT				



KEYPLAN

LEGEND:

- ▤ Curb and Gutter Removal
- ▥ PCC Shoulder Removal
- ▧ Hot-Mix Asphalt Surface Removal, 2"
- ▨ Sidewalk Removal
- Butt Joint

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 PLOT DATE = 12/7/2017

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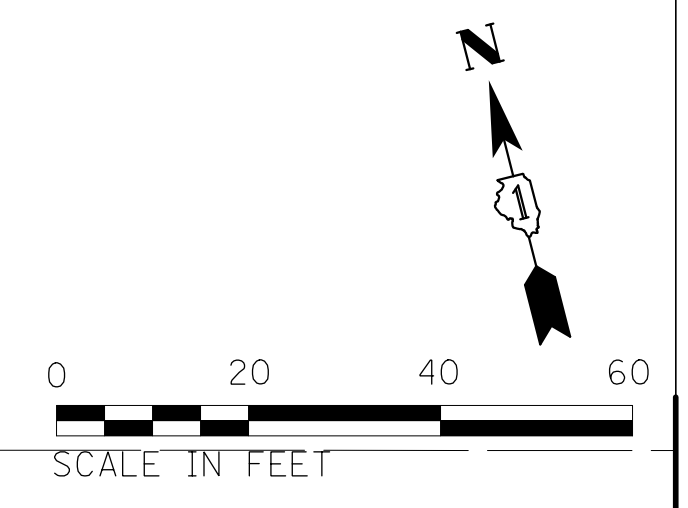
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**W. SCHWERMAN RD.
 EXISTING CONDITIONS AND REMOVAL PLAN**

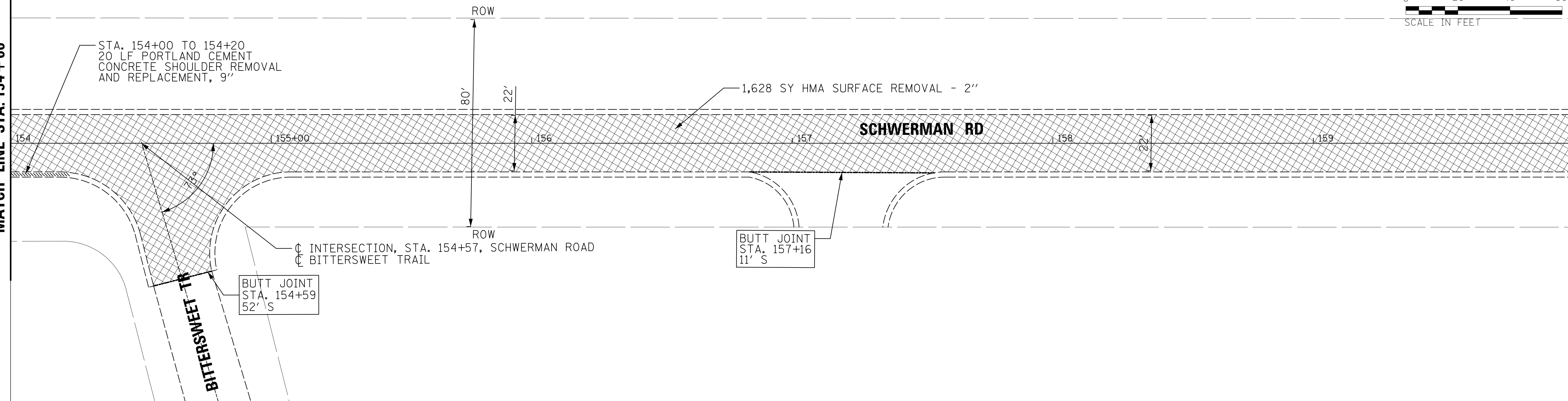
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MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
900	17-00018-00-RS	LAKE	33	10
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61E38	



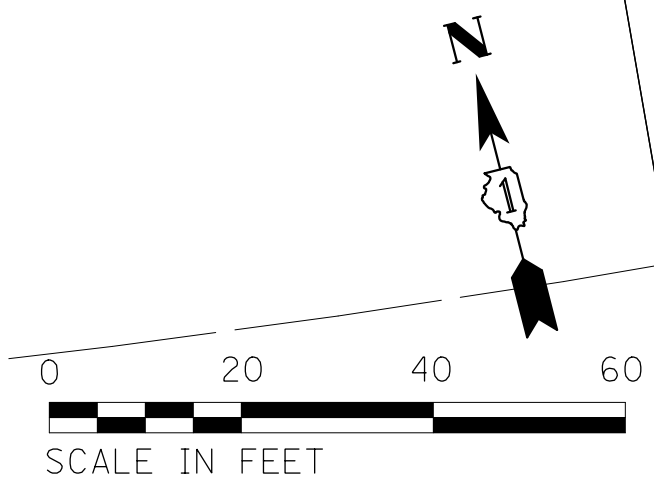
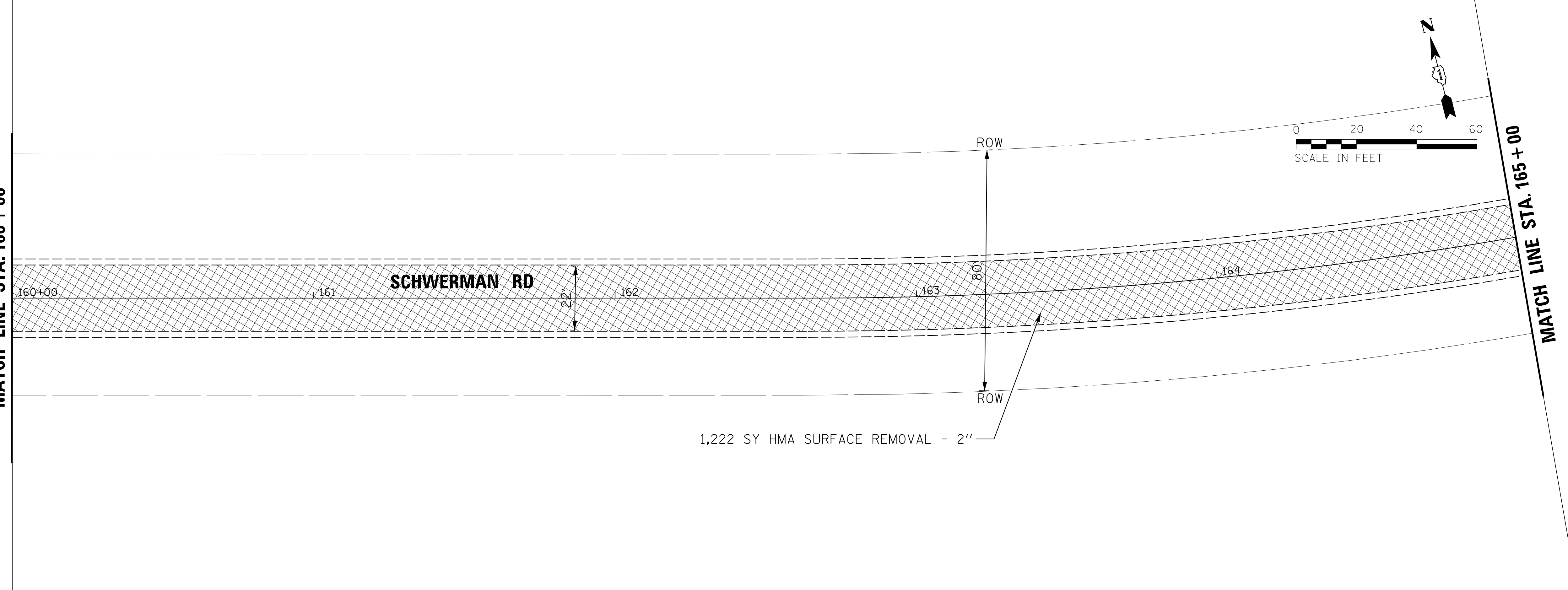
MATCH LINE STA. 154 + 00

MATCH LINE STA. 160 + 00



MATCH LINE STA. 160 + 00

MATCH LINE STA. 165 + 00



KEYPLAN

LEGEND:

- CURB AND GUTTER REMOVAL
- PCC SHOULDER REMOVAL
- HOT-MIX ASPHALT SURFACE REMOVAL, 2"
- SIDEWALK REMOVAL
- BUTT JOINT

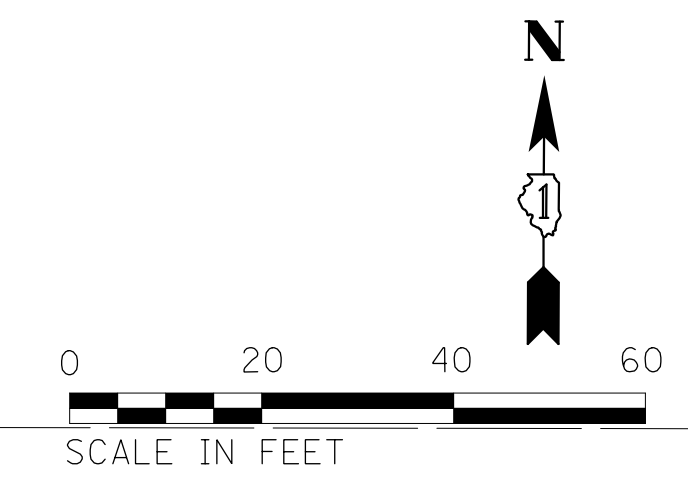
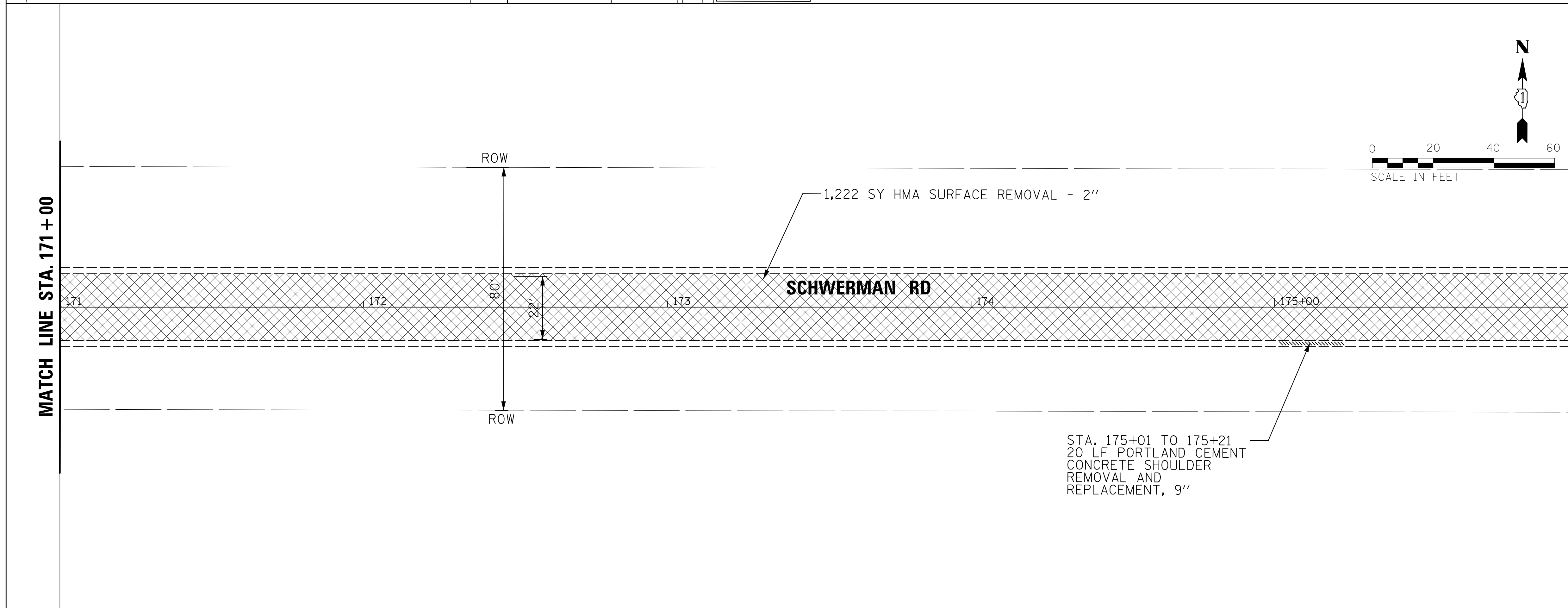
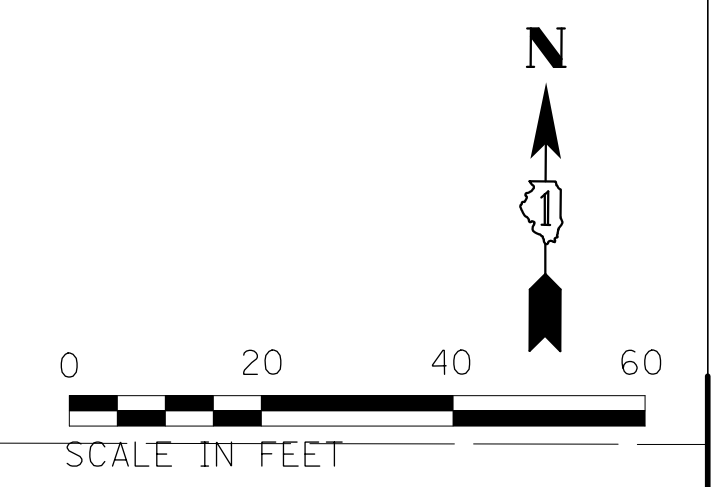
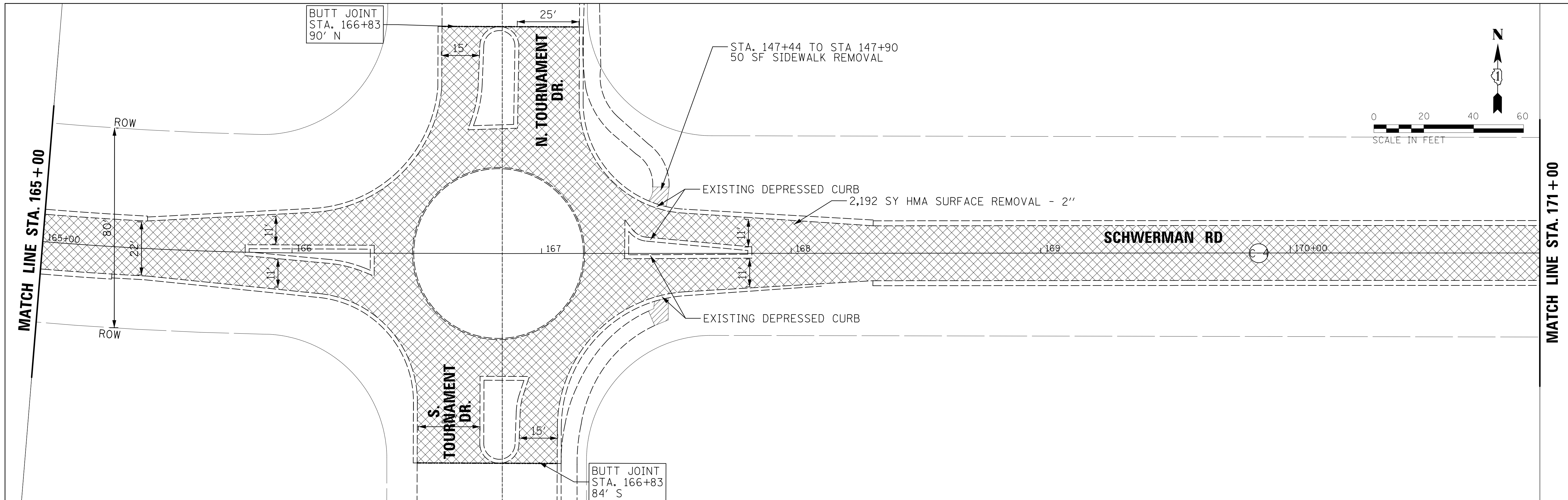
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		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**W. SCHWERMAN RD.
EXISTING CONDITIONS AND REMOVAL PLAN**

SCALE: SHEET OF SHEETS STA. TO STA.

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
900	17-00018-00-RS	LAKE	33	11
CONTRACT NO. 61E38			ILLINOIS FED. AID PROJECT	



KEYPLAN

LEGEND:

- CURB AND GUTTER REMOVAL
- PCC SHOULDER REMOVAL
- HOT-MIX ASPHALT SURFACE REMOVAL, 2"
- SIDEWALK REMOVAL
- BUTT JOINT

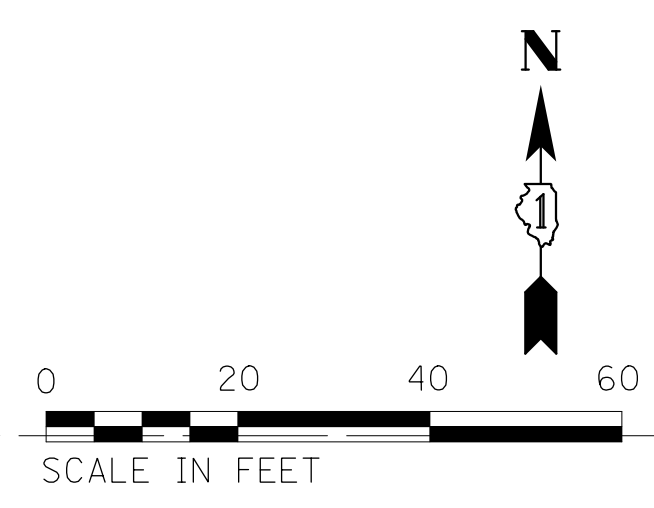
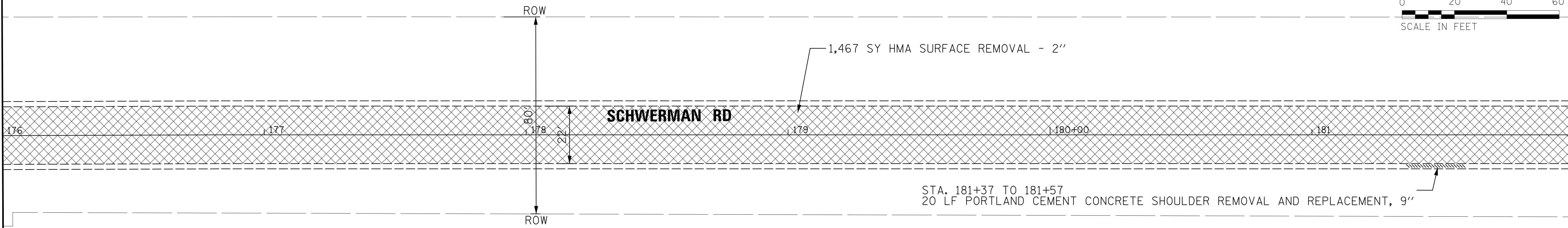
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**W. SCHWERMAN RD.
EXISTING CONDITIONS AND REMOVAL PLAN**

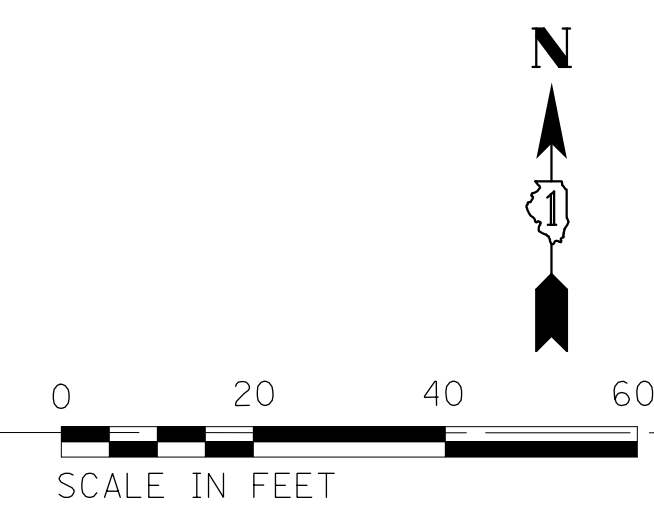
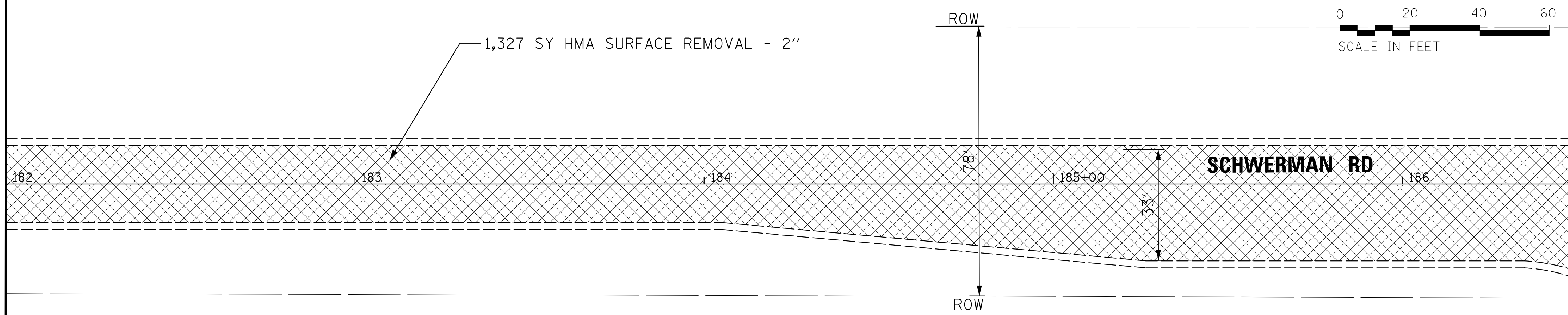
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900	17-00018-00-RS	LAKE	33	12
CONTRACT NO. 61E38			ILLINOIS FED. AID PROJECT	

MATCH LINE STA. 176 + 00

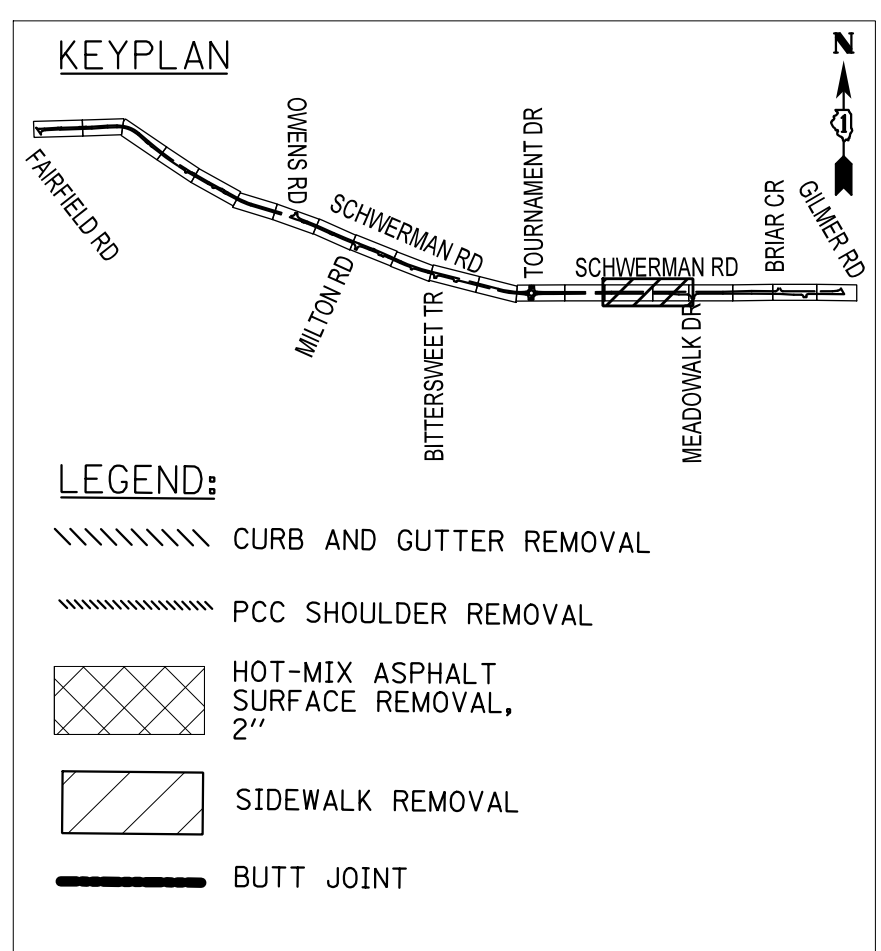


MATCH LINE STA. 182 + 00

MATCH LINE STA. 182 + 00



MATCH LINE STA. 186 + 50



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PLOT SCALE = 20'
PLOT DATE = 12/7/2017

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DRAWN - JEH
CHECKED - LMF
DATE -

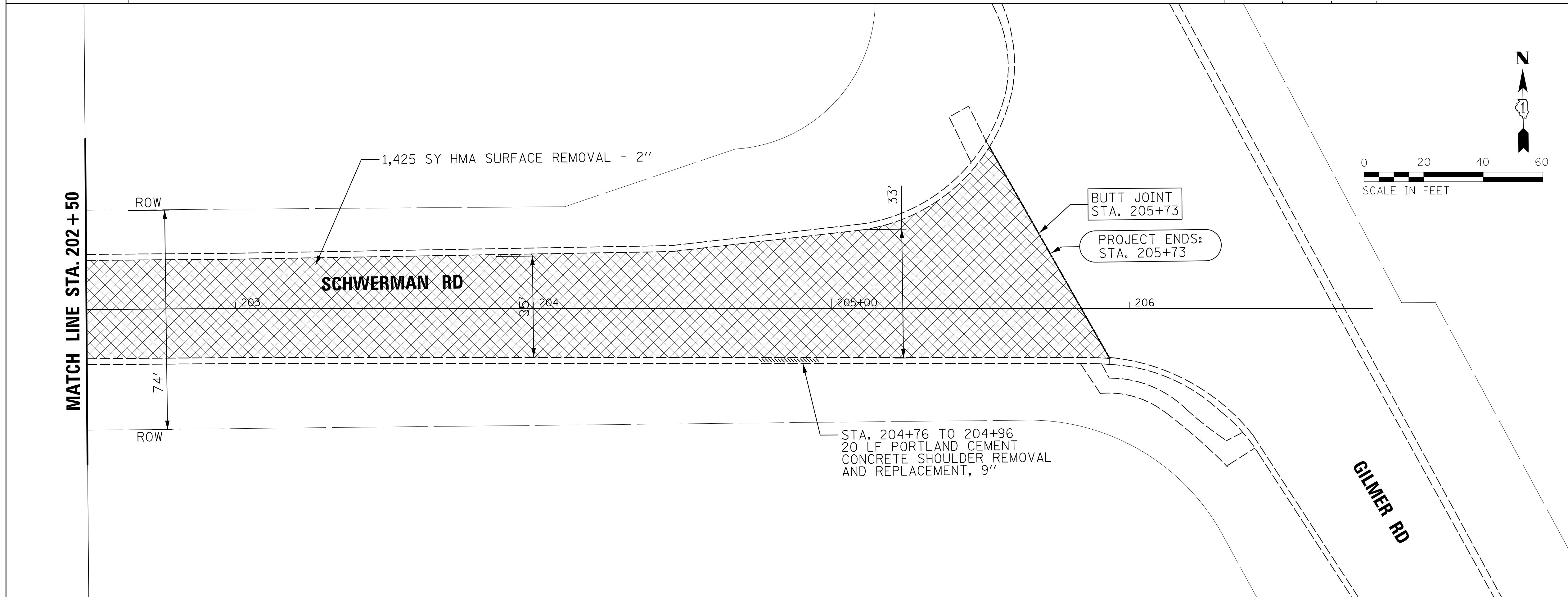
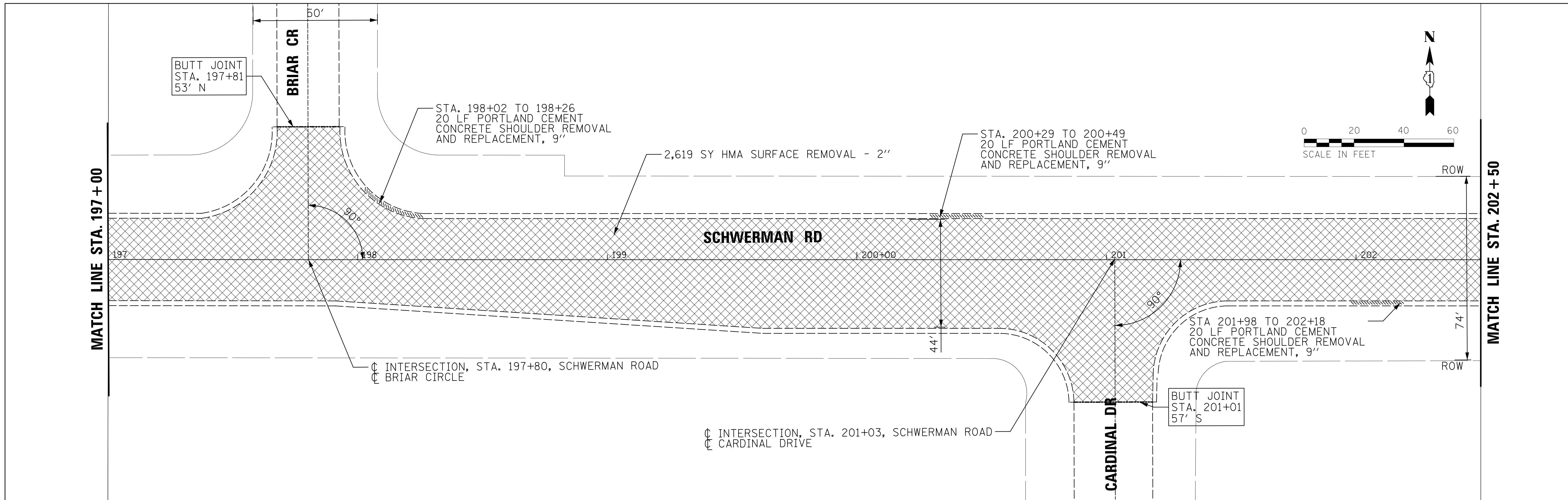
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**W. SCHWERMAN RD.
EXISTING CONDITIONS AND REMOVAL PLAN**

SCALE: SHEET OF SHEETS STA. TO STA.

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
900	17-00018-00-RS	LAKE	33	13
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61E38	



KEYPLAN

LEGEND:

- CURB AND GUTTER REMOVAL
- PCC SHOULDER REMOVAL
- HOT-MIX ASPHALT SURFACE REMOVAL, 2"
- SIDEWALK REMOVAL
- BUTT JOINT

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DATE -

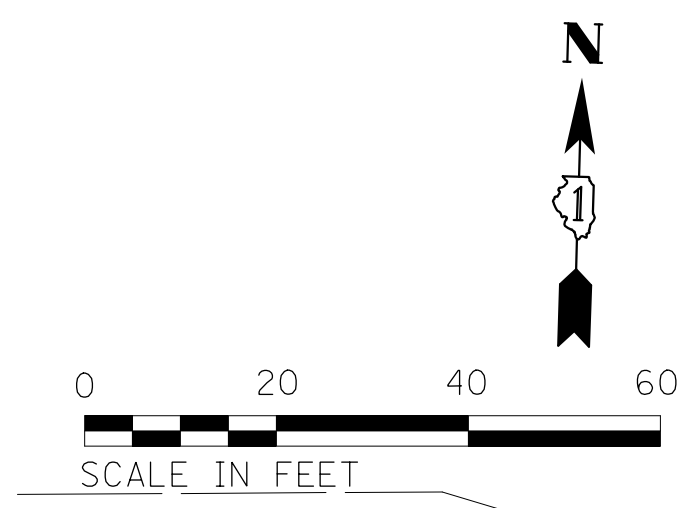
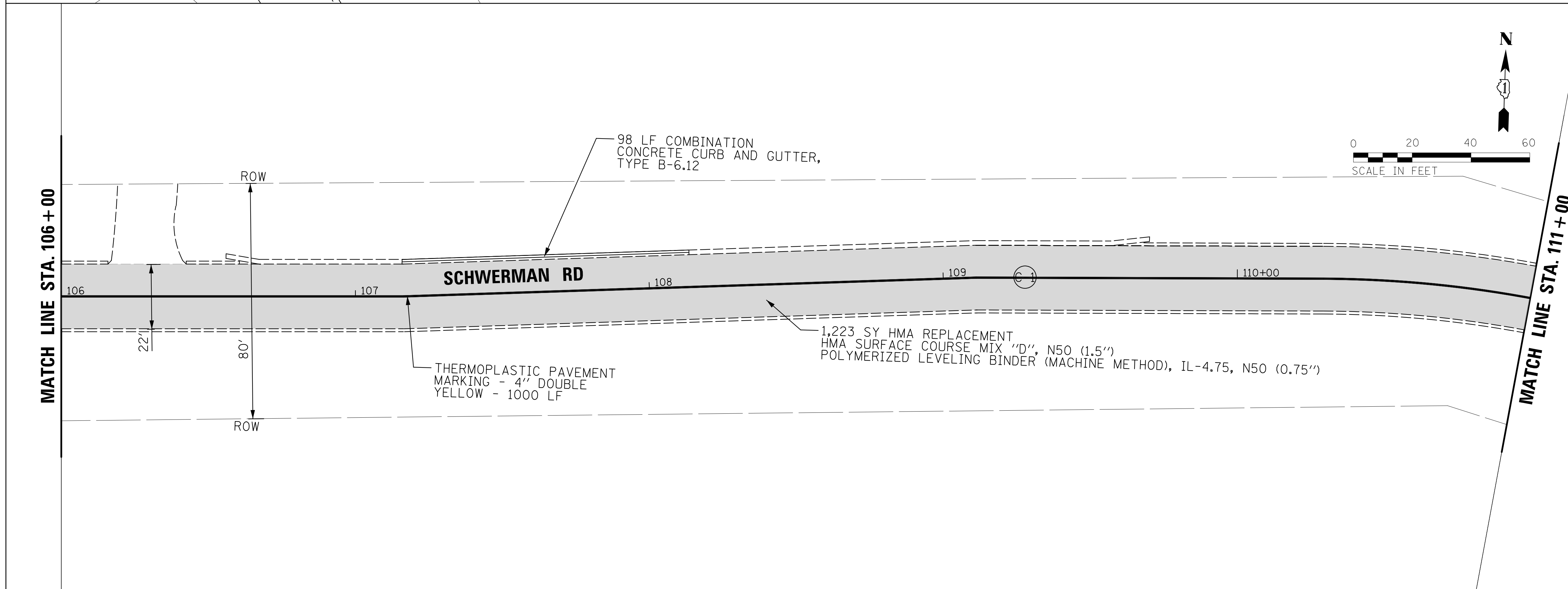
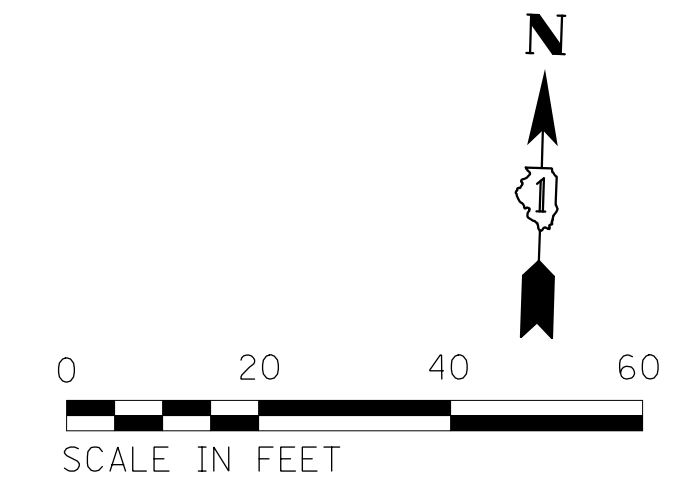
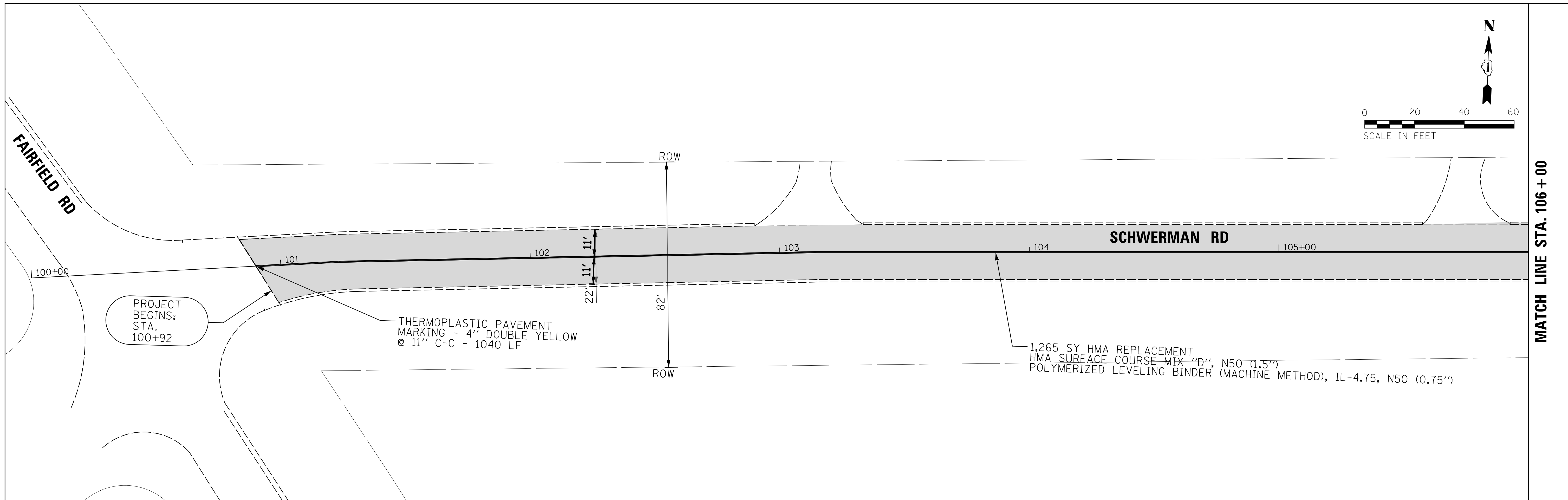
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**W. SCHWERMAN RD.
EXISTING CONDITIONS AND REMOVAL PLAN**

SCALE: SHEET OF SHEETS STA. TO STA.

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
900	17-00018-00-RS	LAKE	33	15
CONTRACT NO. 61E38			ILLINOIS FED. AID PROJECT	



KEYPLAN

LEGEND:

- COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- PORTLAND CEMENT CONCRETE SHOULDER, 9"
- HMA SURFACE COURSE MIX "D", N50 (1.5")
POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 (0.75")
- PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH, SPECIAL
- DETECTABLE WARNING

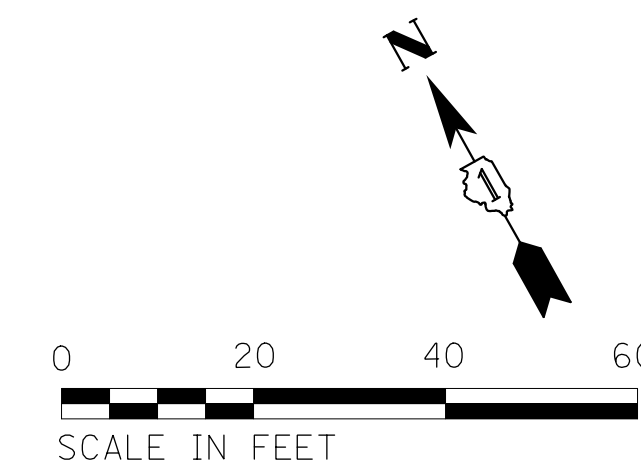
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

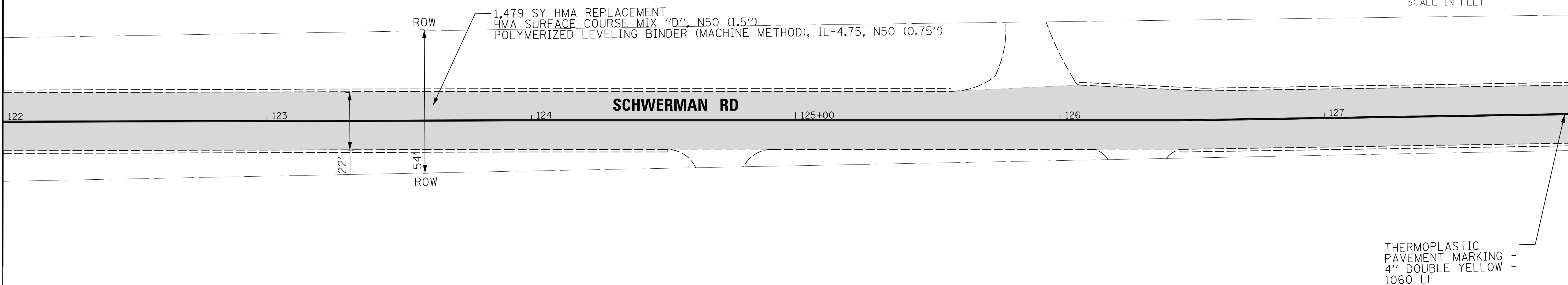
**W. SCHWERMAN RD.
PROPOSED PLAN**

SCALE: SHEET OF SHEETS STA. TO STA.

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
900	17-00018-00-RS	LAKE	33	16
CONTRACT NO. 61E38				
ILLINOIS FED. AID PROJECT				

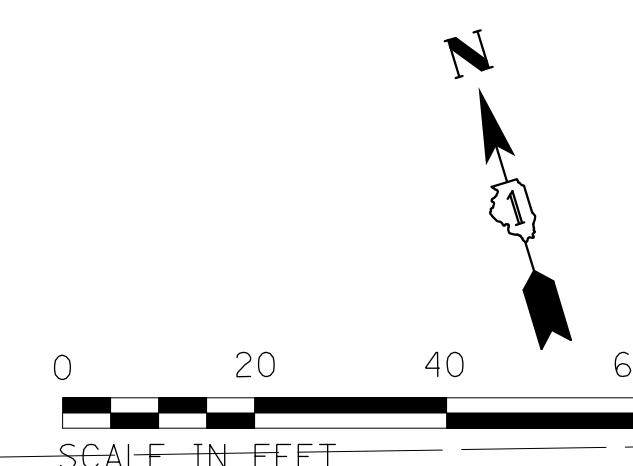


MATCH LINE STA. 122+00

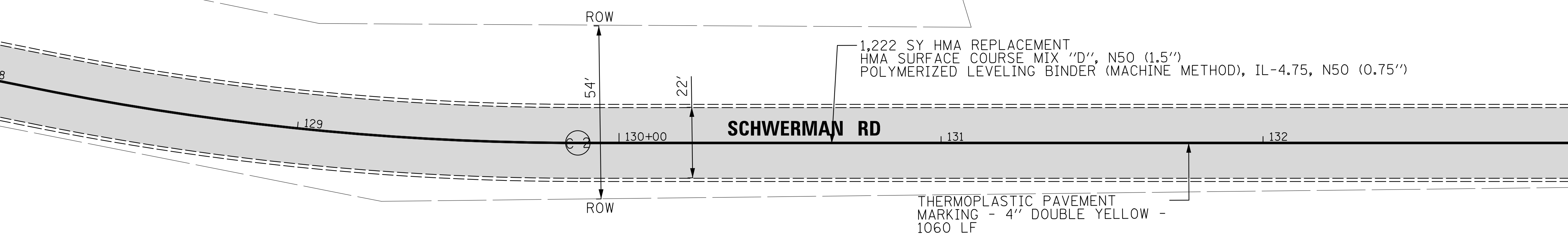


MATCH LINE STA. 128+00

THERMOPLASTIC PAVEMENT MARKING - 4" DOUBLE YELLOW - 1060 LF



MATCH LINE STA. 128+00



MATCH LINE STA. 133+00

KEYPLAN

LEGEND:

- COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- PORTLAND CEMENT CONCRETE SHOULDER, 9"
- HMA SURFACE COURSE MIX "D", N50 (1.5")
- POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 (0.75")
- PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH, SPECIAL
- DETECTABLE WARNING

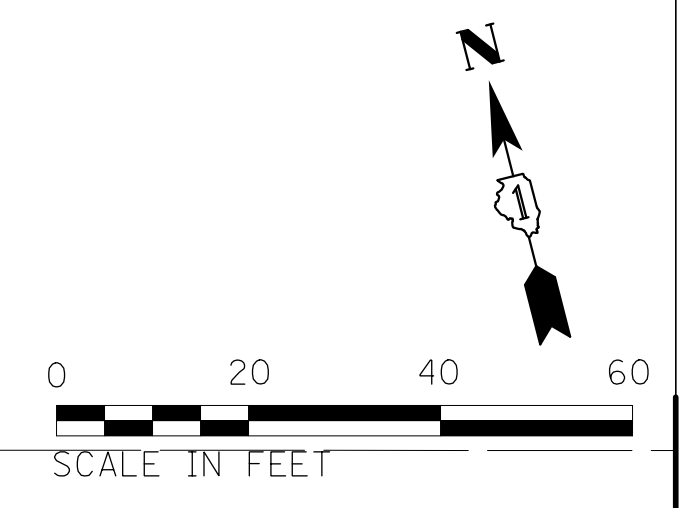
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**W. SCHWERMAN RD.
PROPOSED PLAN**

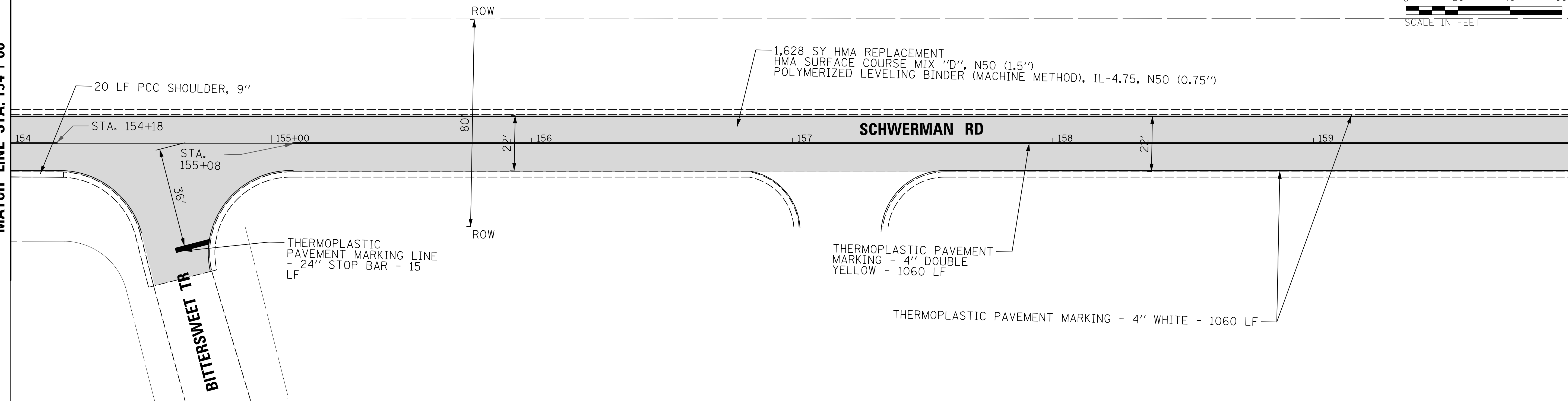
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MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
900	17-00018-00-RS	LAKE	33	18
			CONTRACT NO. 61E38	
ILLINOIS FED. AID PROJECT				



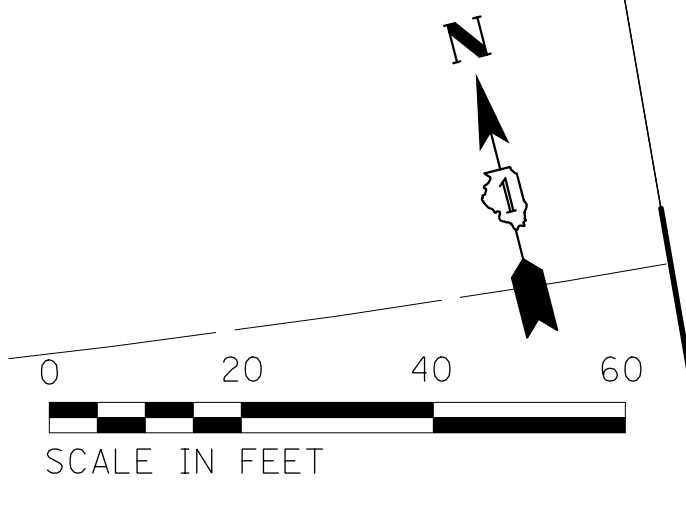
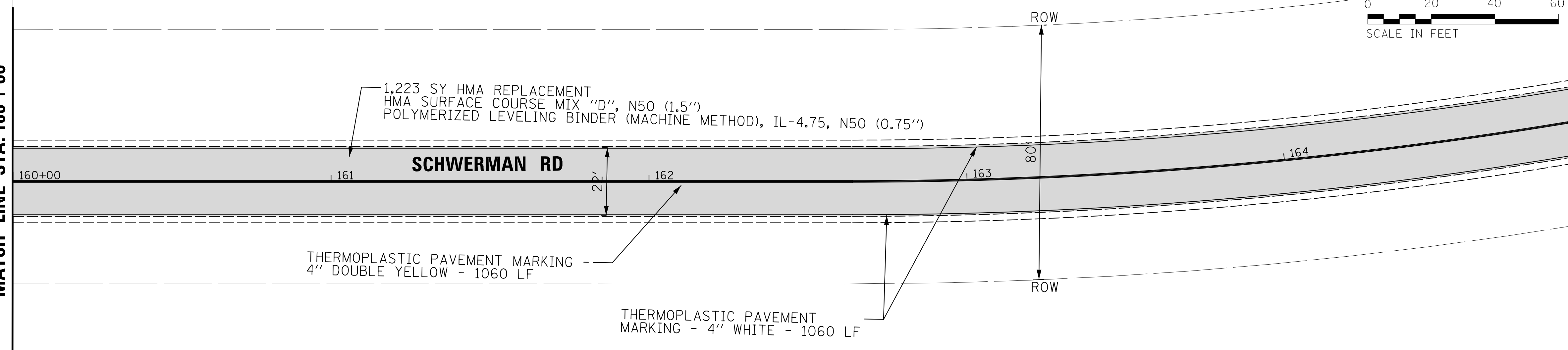
MATCH LINE STA. 154 + 00

MATCH LINE STA. 160 + 00



MATCH LINE STA. 160 + 00

MATCH LINE STA. 165 + 00



KEYPLAN

LEGEND:

- COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- PORTLAND CEMENT CONCRETE SHOULDER, 9"
- HMA SURFACE COURSE MIX "D", N50 (1.5")
POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 (0.75")
- PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH, SPECIAL
- DETECTABLE WARNING

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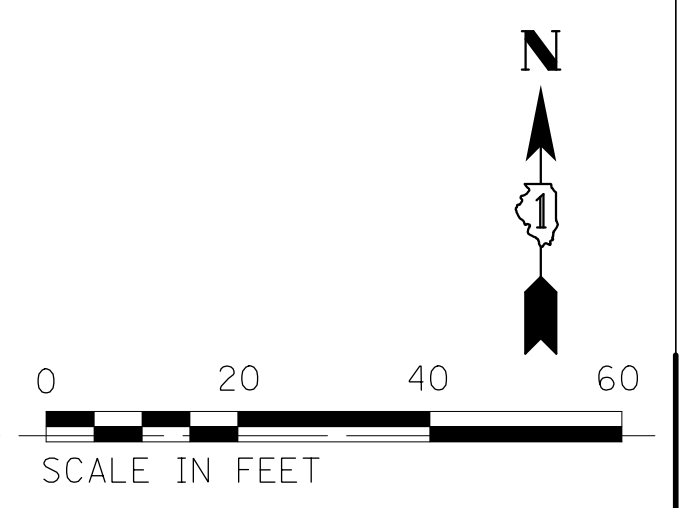
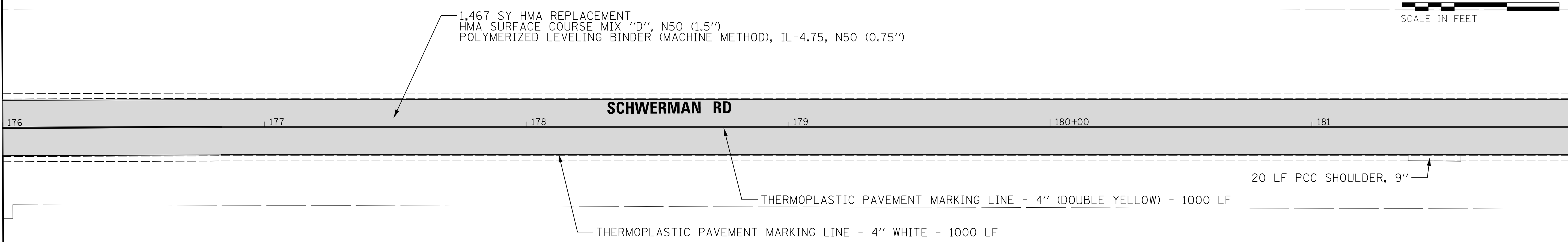
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**W. SCHWERMAN RD.
PROPOSED PLAN**

SCALE: SHEET OF SHEETS STA. TO STA.

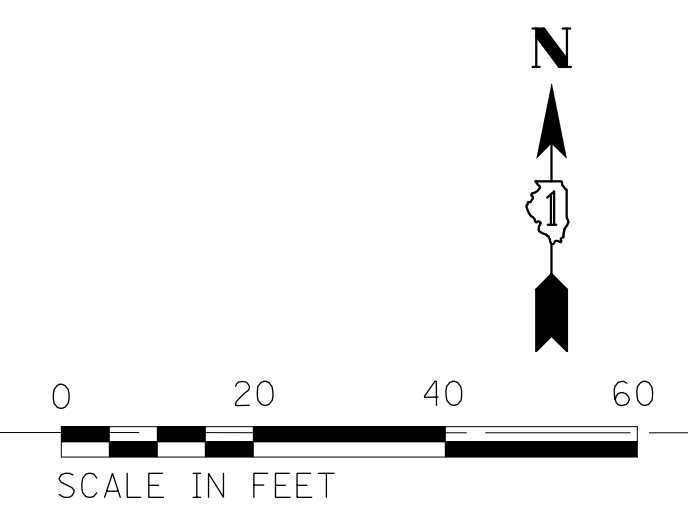
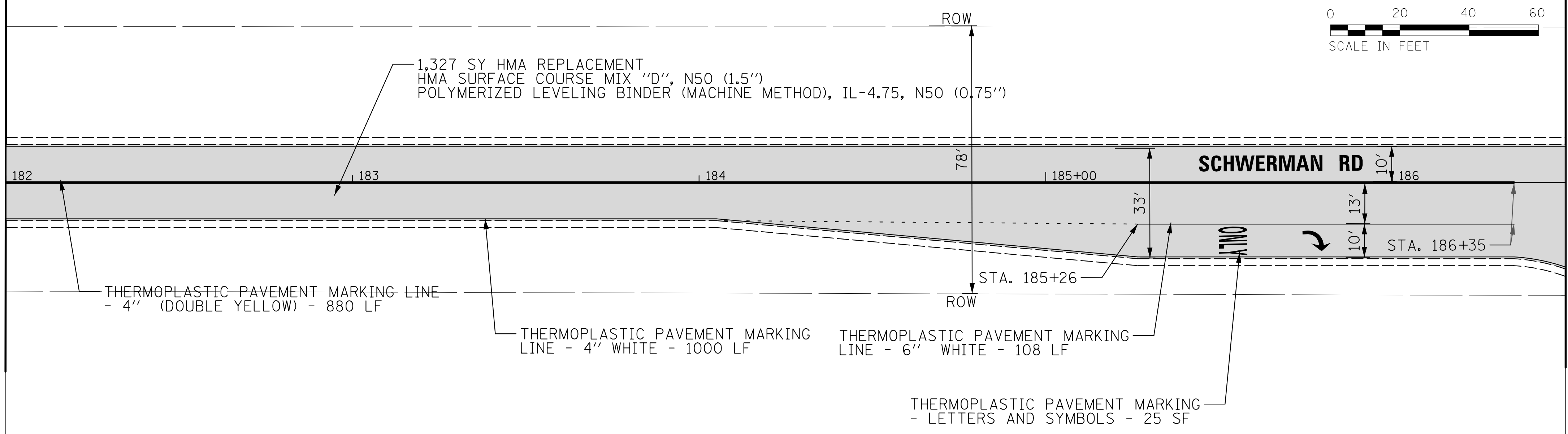
MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
900	17-00018-00-RS	LAKE	33	21
CONTRACT NO. 61E38			ILLINOIS FED. AID PROJECT	

MATCH LINE STA. 176 + 00



MATCH LINE STA. 182 + 00

MATCH LINE STA. 182 + 00



MATCH LINE STA. 186 + 50

KEYPLAN

LEGEND:

- COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- PORTLAND CEMENT CONCRETE SHOULDER, 9"
- HMA SURFACE COURSE MIX "D", N50 (1.5'')
POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 (0.75'')
- PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH, SPECIAL
- DETECTABLE WARNING

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PLOT DATE = 12/7/2017

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CHECKED - LMF
DATE -

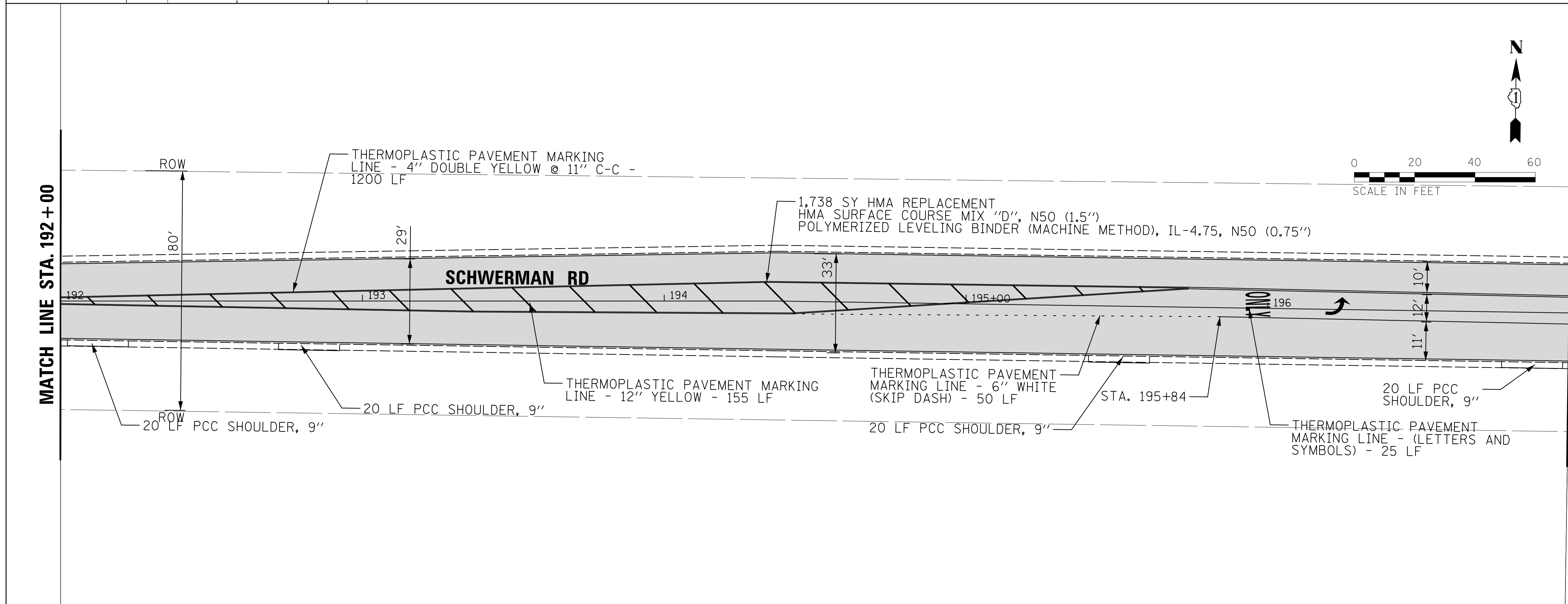
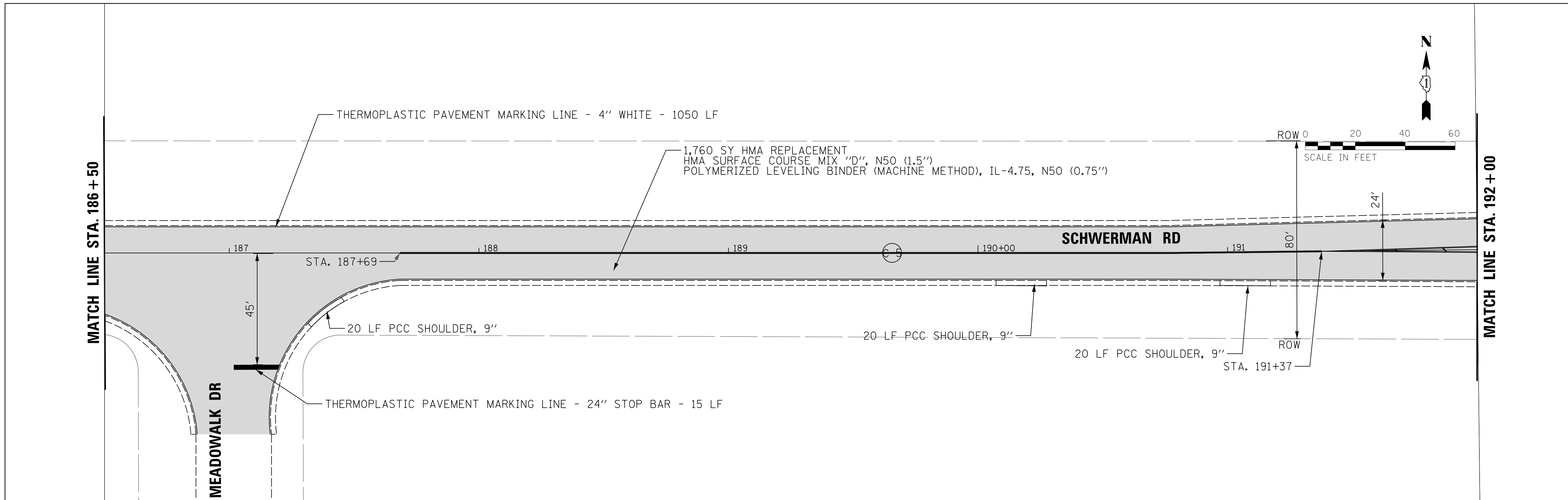
REVISED -
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REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**W. SCHWERMAN RD.
PROPOSED PLAN**

SCALE: SHEET OF SHEETS STA. TO STA.

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
900	17-00018-00-RS	LAKE	33	23
CONTRACT NO. 61E38			ILLINOIS FED. AID PROJECT	



KEYPLAN

LEGEND:

- COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- PORTLAND CEMENT CONCRETE SHOULDER, 9"
- HMA SURFACE COURSE MIX "D", N50 (1.5")
- POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 (0.75")
- PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH, SPECIAL
- DETECTABLE WARNING

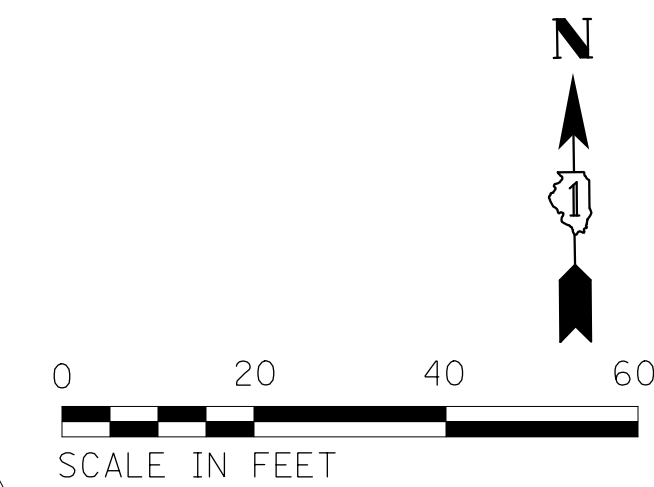
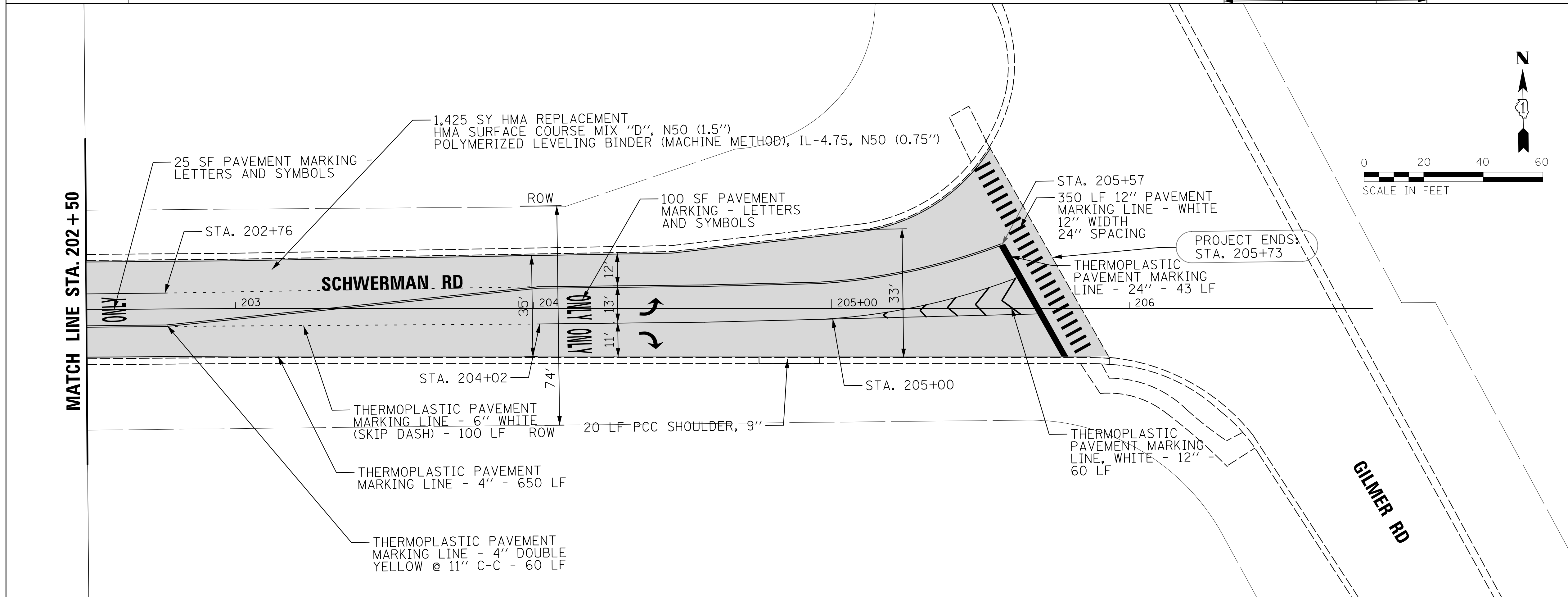
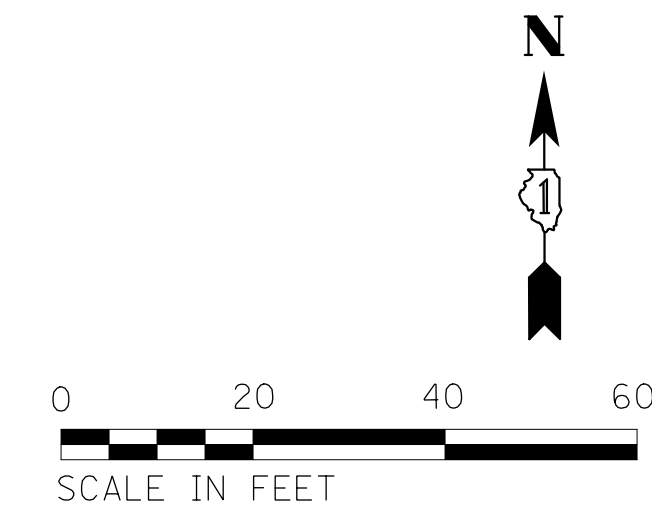
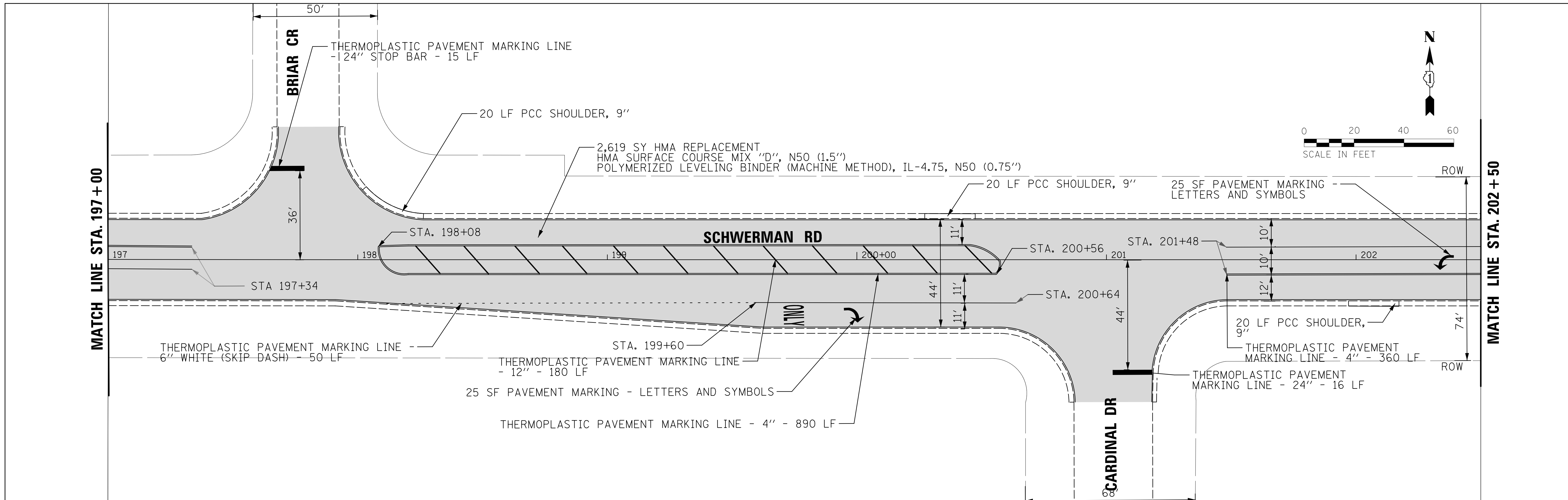
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**W. SCHWERMAN RD.
PROPOSED PLAN**

SCALE: SHEET OF SHEETS STA. TO STA.

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
900	17-00018-00-RS	LAKE	33	24
CONTRACT NO. 61E38				
ILLINOIS FED. AID PROJECT				



KEYPLAN

LEGEND:

- COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- PORTLAND CEMENT CONCRETE SHOULDER, 9"
- HMA SURFACE COURSE MIX "D", N50 (1.5")
POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 (0.75")
- PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH, SPECIAL
- DETECTABLE WARNING

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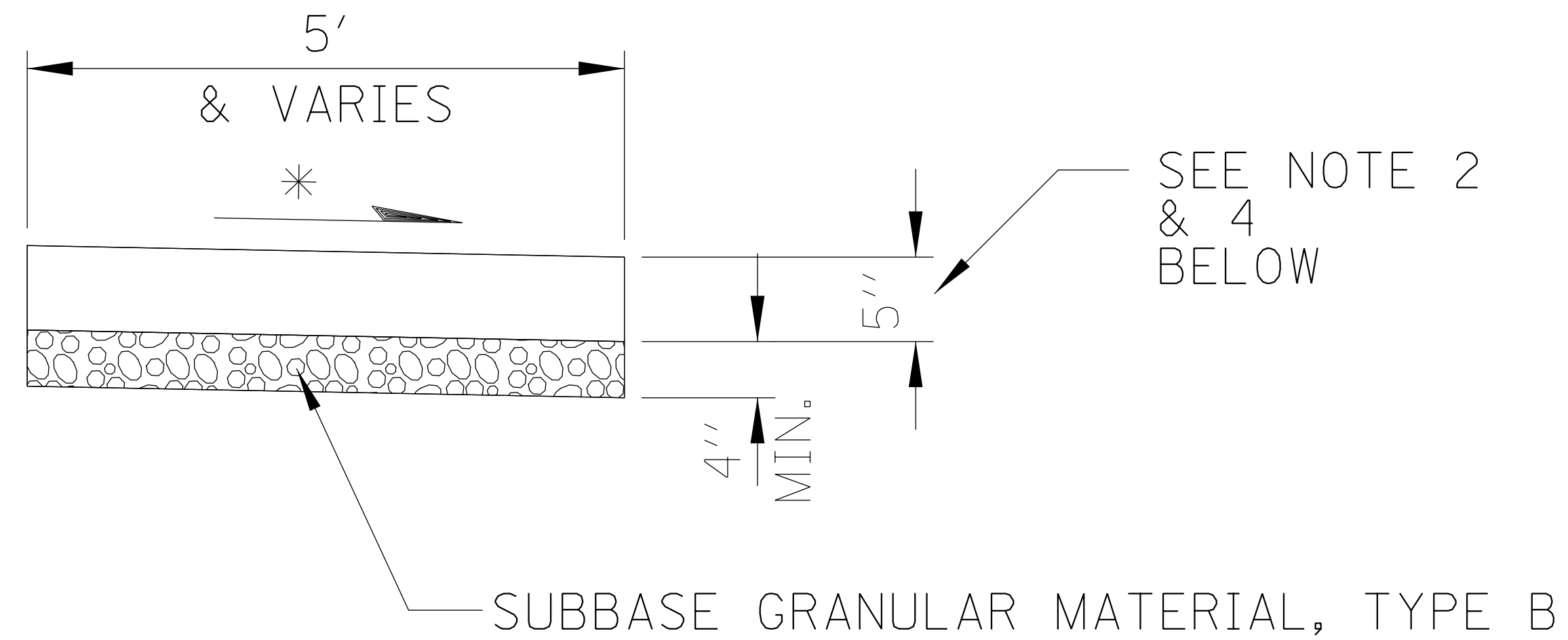
REVISED -
REVISED -
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REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**W. SCHWERMAN RD.
PROPOSED PLAN**

SCALE: SHEET OF SHEETS STA. TO STA.

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
900	17-00018-00-RS	LAKE	33	25
CONTRACT NO. 61E38			ILLINOIS FED. AID PROJECT	

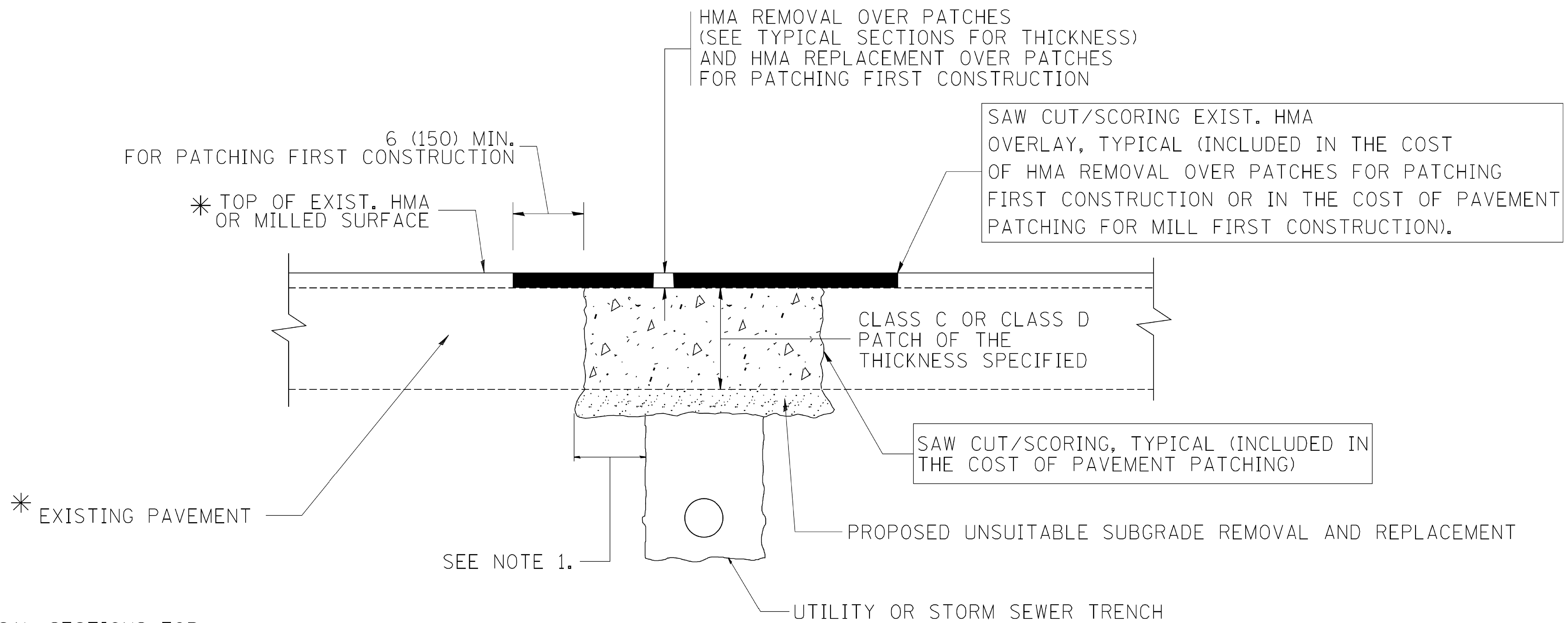


* CROSS SLOPE 2% OR AS SHOWN ON CROSS SECTIONS

1. ALL REQUIRED EARTH EXCAVATION TO CONSTRUCT P.C.C. SIDEWALK SHALL BE INCLUDED IN THE COST OF P.C.C. SIDEWALK 5 INCH, REMOVE AND REPLACE
2. WHEN FORMS ARE REMOVED FROM THE SIDEWALK EITHER THE SIDEWALK SHALL BE BARRICADED OR BACKFIELD WITHIN 24 HOURS.
3. ANY SEEDING AND TOPSOIL, 4" (100) RESTORATION FOR DISTURBED AREAS WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE COST OF SIDEWALK REMOVAL AND REPLACEMENT. (1' WIDTH)
4. PUBLIC SIDEWALK SHALL BE 6" AT RESIDENTIAL DRIVEWAYS AND 8" AT COMMERCIAL/INDUSTRIAL DRIVEWAYS.

P.C.C. SIDEWALK 5 INCH, SPECIAL DETAIL
N.T.S.

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		DRAWN - JEH	REVISED -			900	17-00018-00-RS	LAKE	33	26
		CHECKED - LMF	REVISED -			CONTRACT NO. 61E38				
Default	PLOT DATE = 12/7/2017	DATE -	REVISED -	SCALE: SHEET OF SHEETS STA. TO STA.		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" (300MM) 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 = e:\projects\dststd22x34\bd22.dgn	USER NAME = bauerdl	DESIGNED - R. SHAH	REVISED - A. ABBAS 04-27-98	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT (BD-22)	F.A.I. RTE. 900	SECTION 17-00018-00-RS	COUNTY LAKE	TOTAL SHEETS 33	SHEET NO. 27		
	PLOT SCALE = 50.000' / IN.	CHECKED -	REVISED - R. BORO 01-01-07			SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	CONTRACT NO. 61E38		
	PLOT DATE = 10/27/2008	DATE - 10-25-94	REVISED - R. BORO 09-04-07			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT						
			REVISED - K. ENG 10-27-08									

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

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

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

SEE STATE STANDARD 606001

18" (450) MAX.

EXISTING OR PROPOSED HMA SURFACE (IF APPLICABLE)

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).

1/2" *

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

EXISTING CONCRETE PAVEMENT, CONCRETE BASE COURSE OR FLEXIBLE PAVEMENT

3" (75) MIN.

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.

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.

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

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.

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

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

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

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.

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".

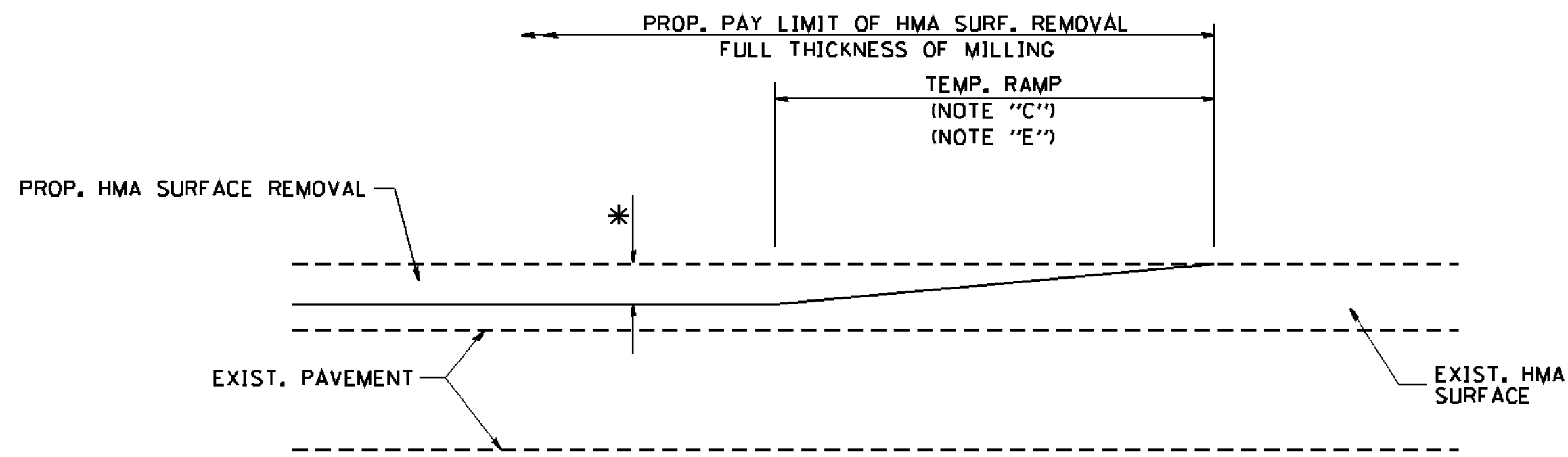
⑦ THE REMOVAL AND REPLACEMENT OF THE EXISTING CURB OR CURB AND GUTTER SHALL BE DONE IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF SECTION 440 AND 606 OF THE STANDARD SPECIFICATIONS.

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.

CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

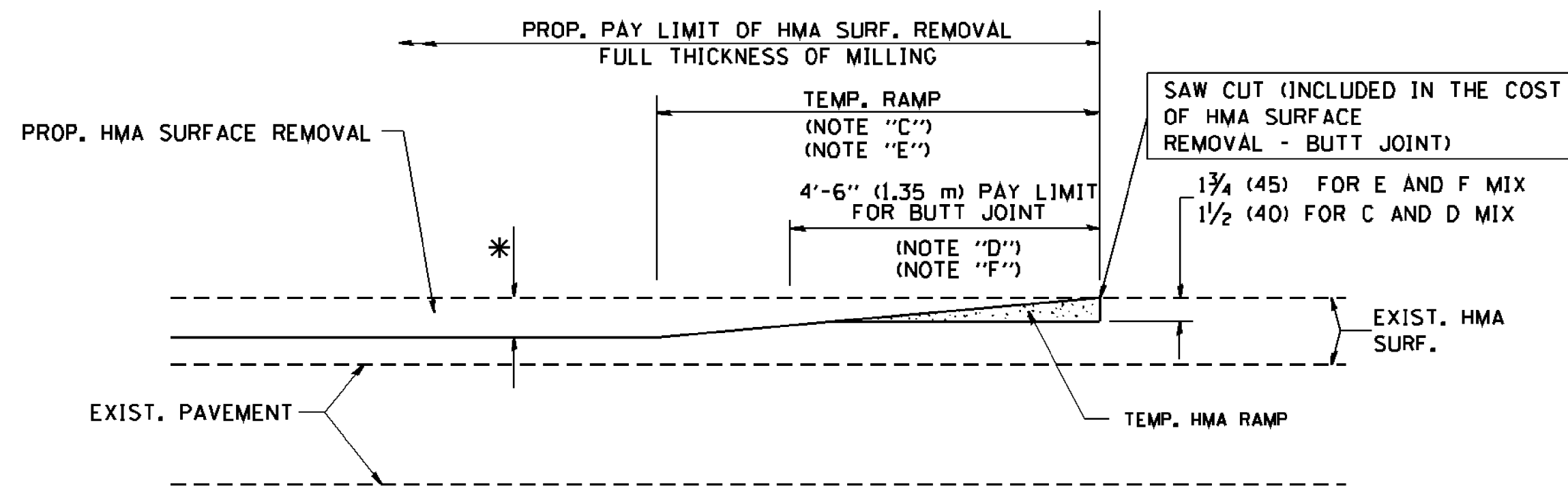
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

FILE NAME =	USER NAME = drivakosgn	DESIGNED - A. HOUSEH	REVISED - R. SHAH 10-03-96	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT (BD-24)	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
c:\pwwork\p\drivakosgn\d0108315\bd24.dgn						DRAWN -	REVISED - A. ABBAS 03-21-97	900	17-00018-00-RS	LAKE	33	28
PLOT SCALE = 50.000' / IN.						CHECKED -	REVISED - M. GOMEZ 01-22-01	BD600-06 (BD-24)		CONTRACT NO. 61E38		
PLOT DATE = 12/15/2009						DATE - 03-11-94	REVISED - R. BORO 12-15-09	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				
					SCALE: NONE	SHEET NO. 1 OF 1 SHEETS		STA.	TO STA.			



MILLED TEMPORARY RAMP
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

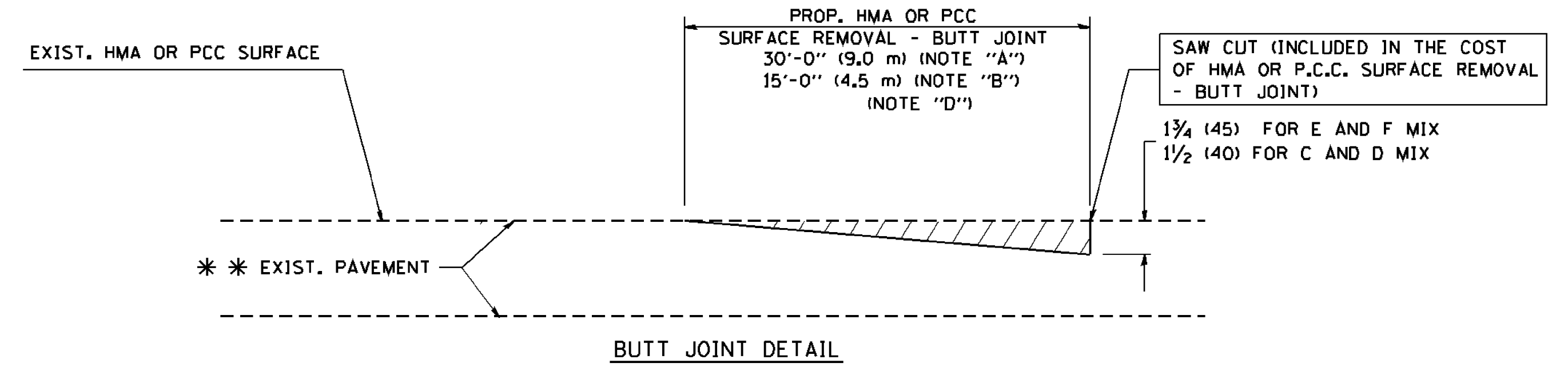
OPTION 1



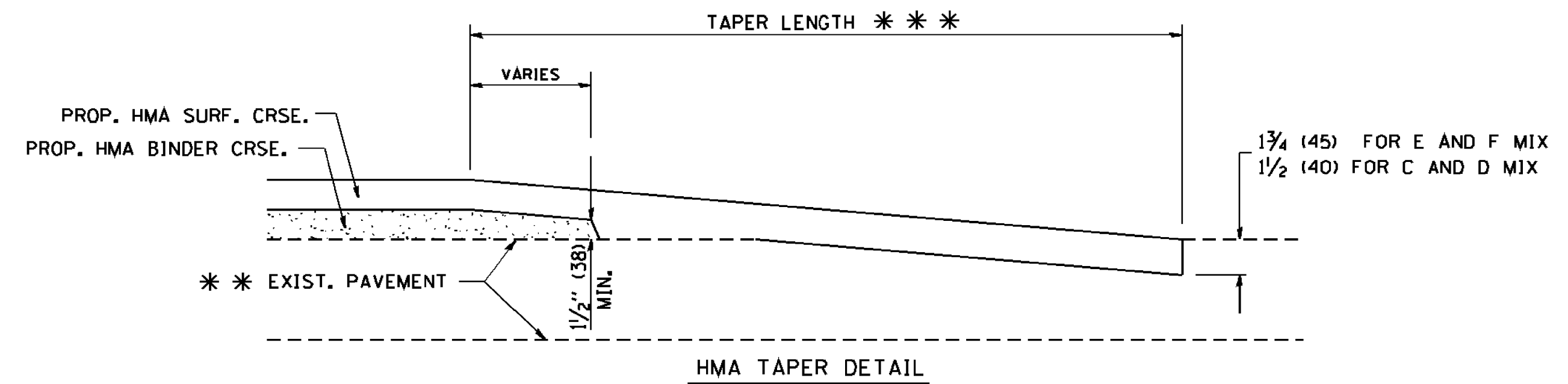
HMA CONSTRUCTED TEMPORARY RAMP
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 2

TYPICAL TEMPORARY RAMP



BUTT JOINT DETAIL



HMA TAPER DETAIL

TYPICAL BUTT JOINT AND HMA TAPER
FOR RESURFACING ONLY

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

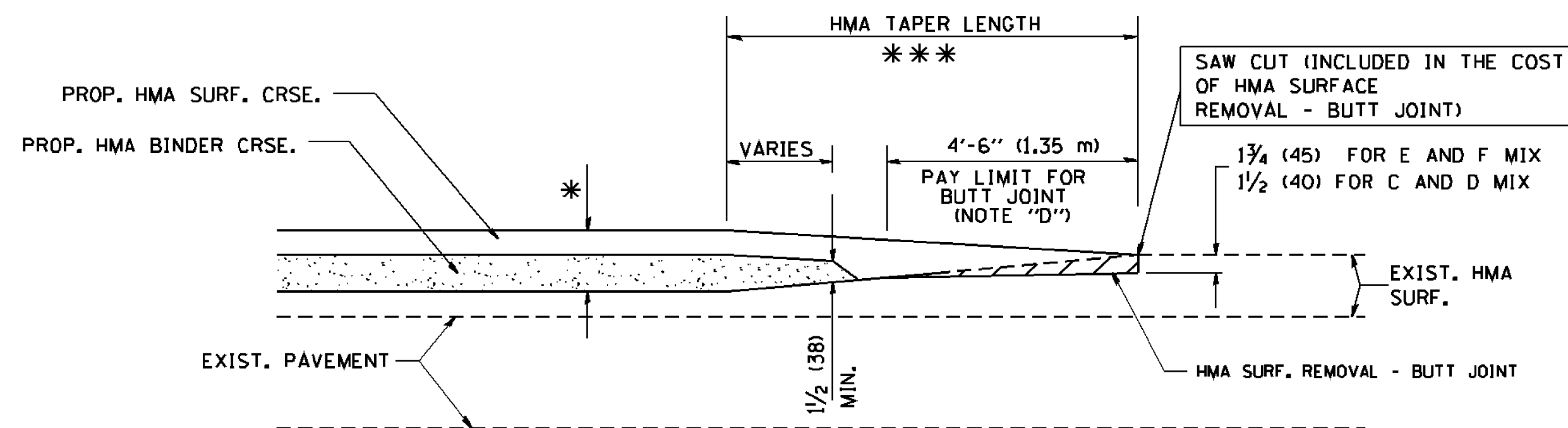
NOTES

- A: MAINLINE ROADWAYS AND MAJOR SIDE ROADS.
 - B: MINOR SIDE ROADS.
 - C: THE TEMP. RAMP SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING HMA SURFACE.
 - D: THE BUTT JOINT SHALL BE CONSTRUCTED IMMEDIATELY PRIOR TO PLACING THE PROPOSED HMA COURSES.
 - E: TAPER THE TEMP. RAMP AT A RATE OF 3'-0" (900 mm) PER 1 INCH (25 mm) OF MILLING THICKNESS.
 - F: INSTALLATION AND REMOVAL OF THE 4'-6" (1.35 m) TEMP. RAMP IS INCLUDED IN COST OF HMA SURFACE REMOVAL - BUTT JOINT
 - 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".

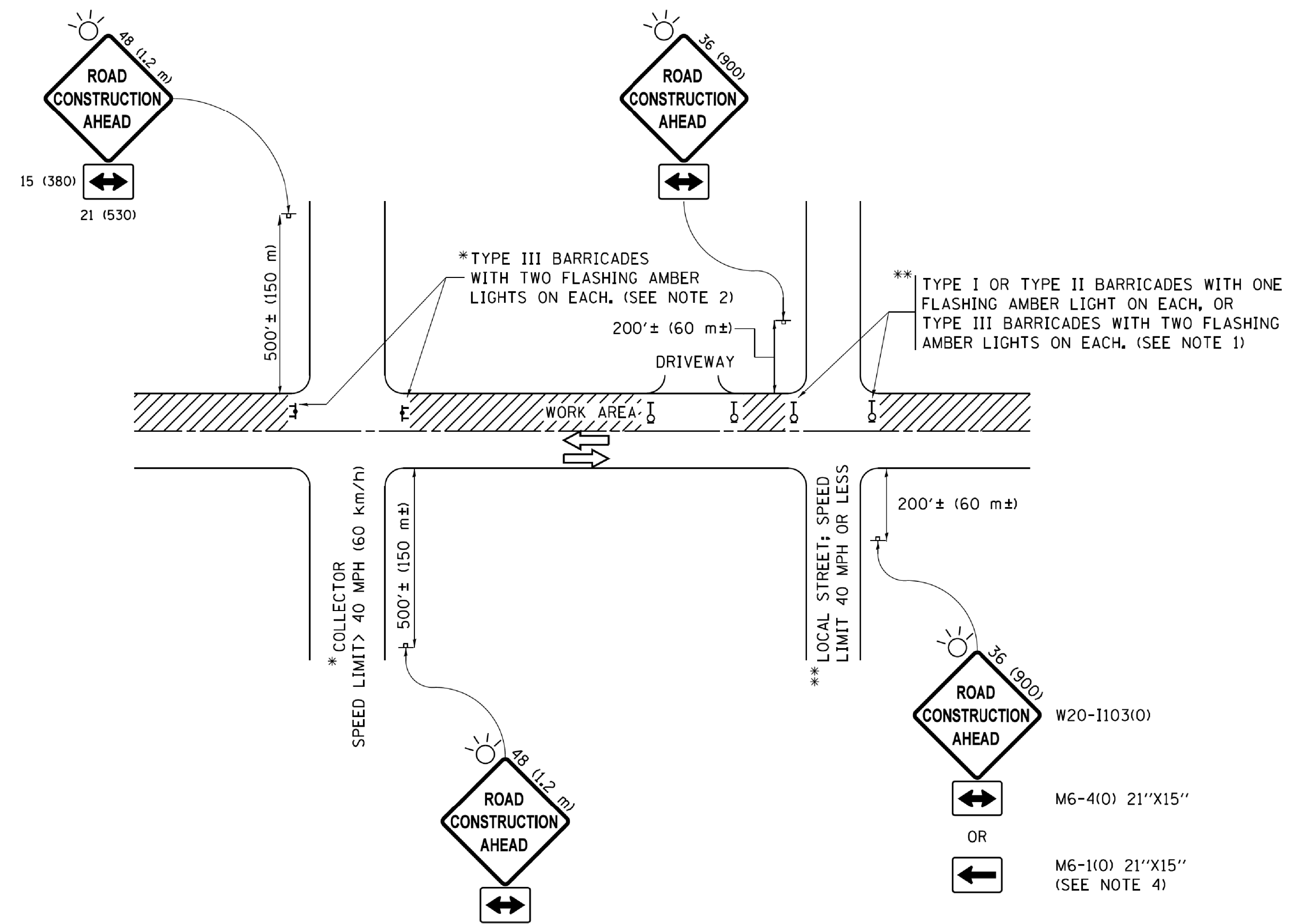
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.



BUTT JOINT AND
HMA TAPER

TYPICAL BUTT JOINT AND HMA TAPER
FOR MILLING AND RESURFACING

FILE NAME = W:\dist\td\22x34\bd32.dgn	USER NAME = goglirenobt	DESIGNED - M. DE YONG	REVISED - R. SHAH 10-25-94	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BUTT JOINT AND HMA TAPER DETAILS (BD-32)	F.A. - RTE. 900	SECTION 17-00018-00-RS	COUNTY LAKE	TOTAL SHEETS 33	SHEET NO. 29	
PLOT SCALE = 50.0000' / 1IN.	CHECKED -	REVISIONS - A. ABBAS 03-21-97	REVISIONS - M. GOMEZ 04-06-01			SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	BD400-05 BD32		CONTRACT NO. 61E38
PLOT DATE = 1/4/2008	DATE - 06-13-90	REVISIONS - R. BORO 01-01-07						FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			

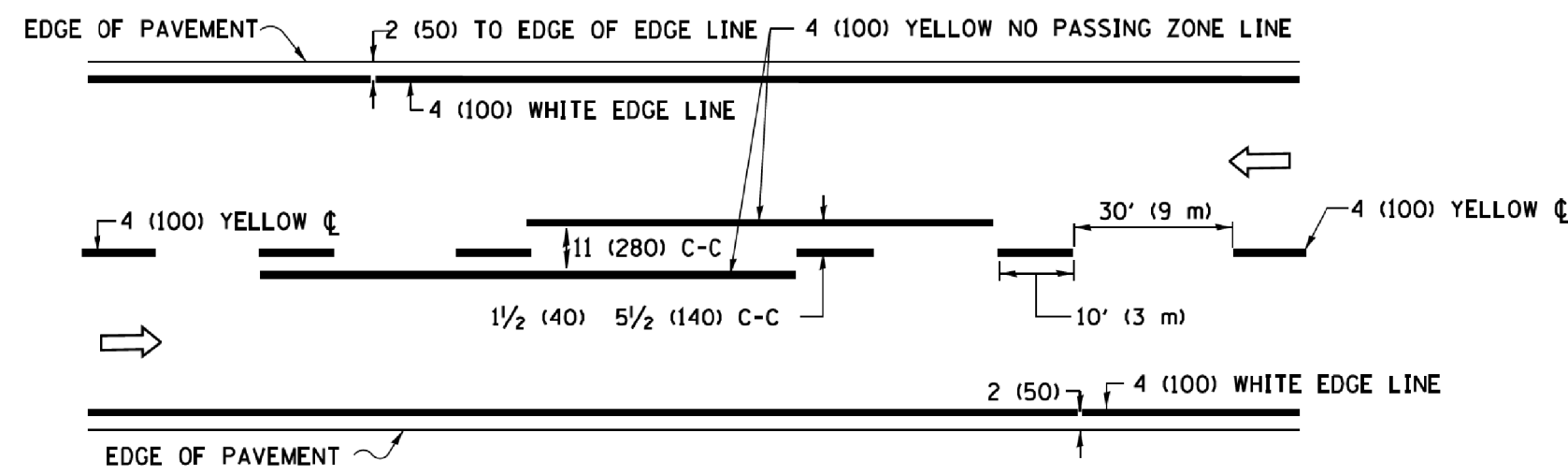


NOTES:

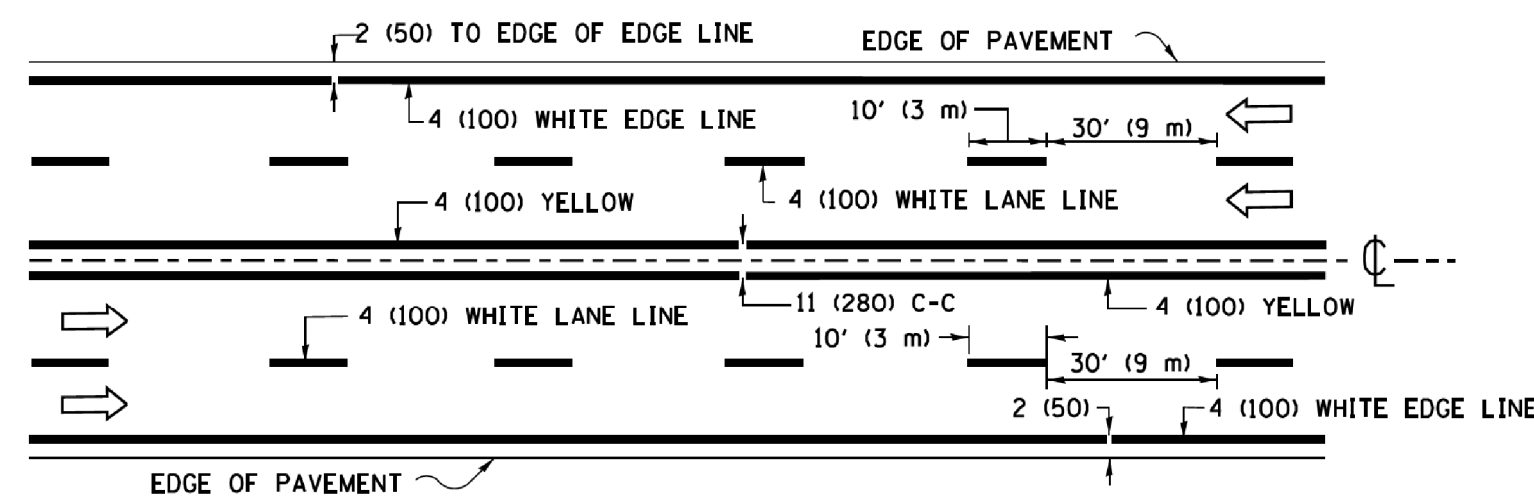
- SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - ONE "ROAD CONSTRUCTION AHEAD" SIGN 36 x 36 (900x900) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
 - THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
- SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - 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.
 - 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.
- 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.
- 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).
- 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.
- ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAYS UNLESS OTHERWISE SPECIFIED IN THE PLANS OR BY THE ENGINEER.
- 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.

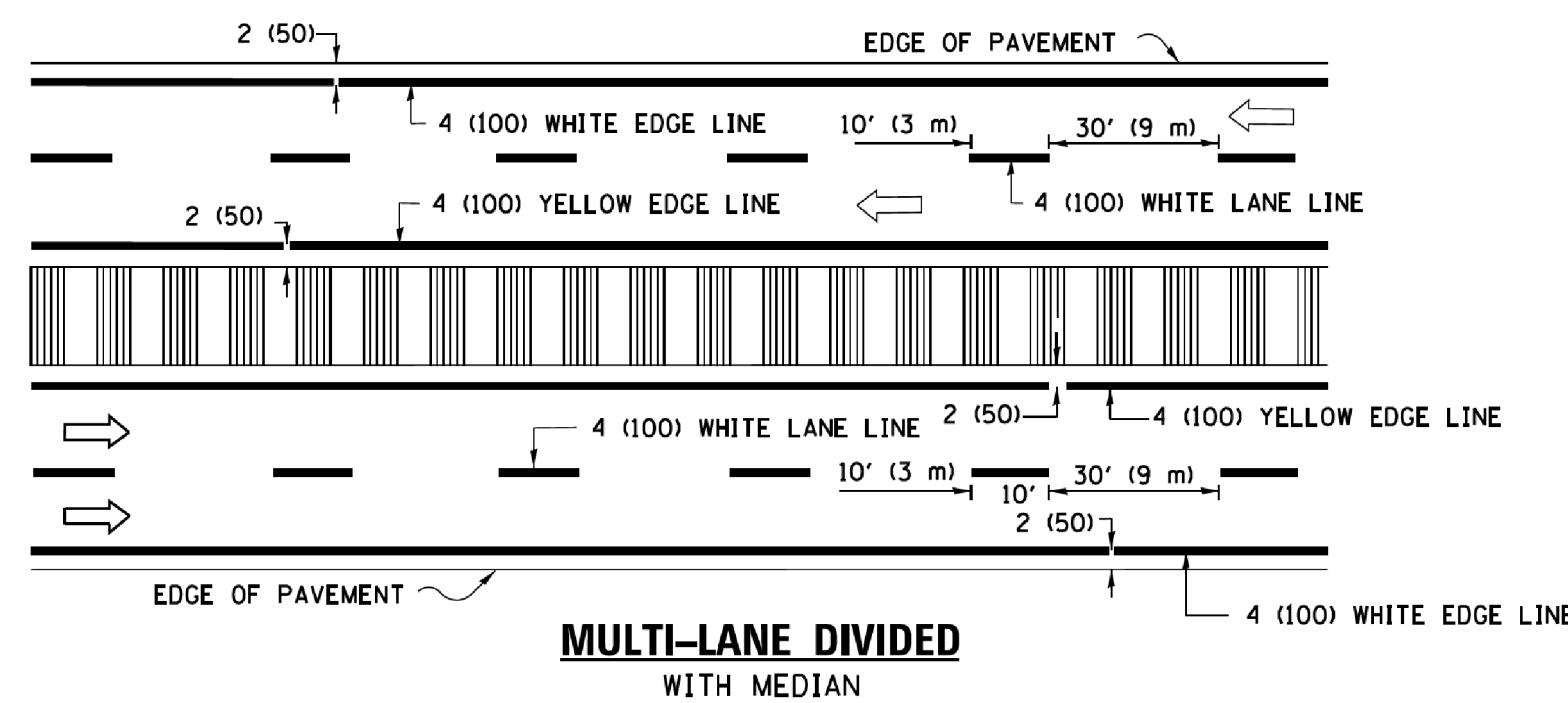
FILE NAME =	USER NAME = foatemj	DESIGNED - L.H.A.	REVISED - A. HOUSEH 10-15-96	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS (TC-10)	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
p:\1\084EBID\INTEG\Illinois.gov\PWIDOT\Documents\DOT Offices\District 1\Projects\Dist	DRAWN\CA00sta\CADsheets\tcl0.dgn	REVISIONS	REVISED - T. RAMMACHER 01-06-00			900	17-00018-00-RS	LAKE	33	30
Default	PLOT SCALE = 50,000 1" = 500'	CHECKED -	REVISED - A. SCHUETZE 07-01-13			TC-10		CONTRACT NO. 61E38		
	PLOT DATE = 9/15/2016	DATE - 06-89	REVISED - A. SCHUETZE 09-15-16			SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.		ILLINOIS FED. AID PROJECT		



2-LANE ROADWAY

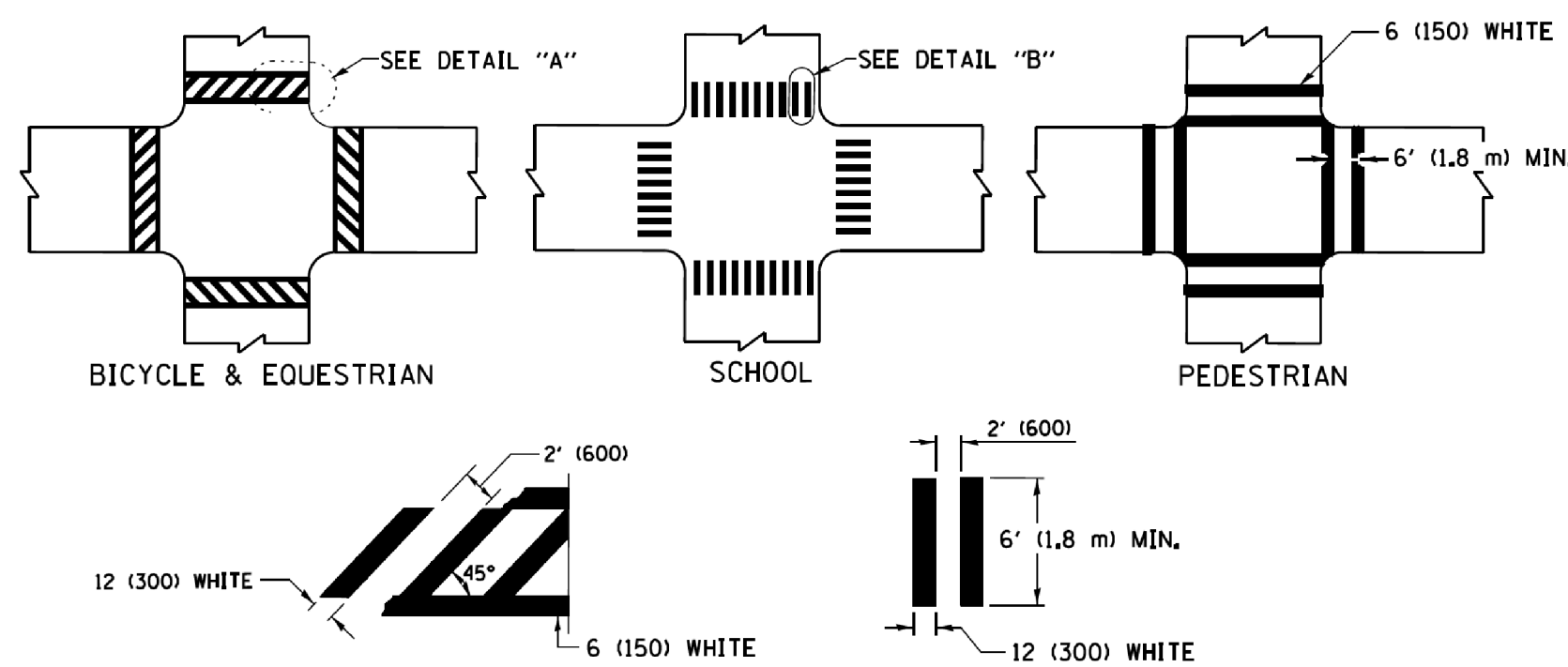


MULTI-LANE UNDIVIDED



MULTI-LANE DIVIDED WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING

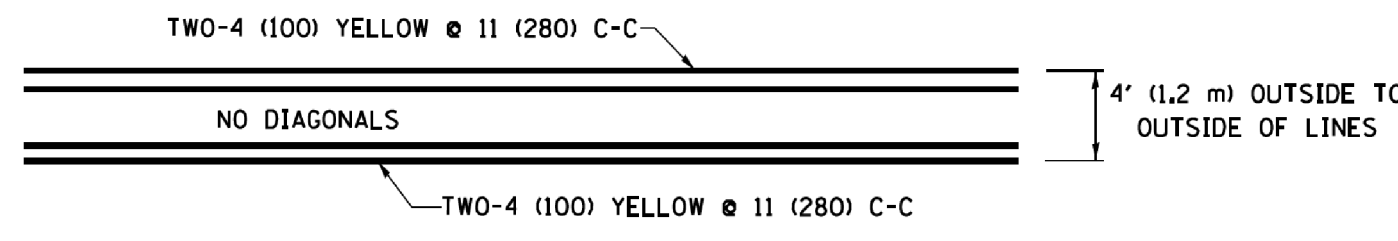


DETAIL "A"

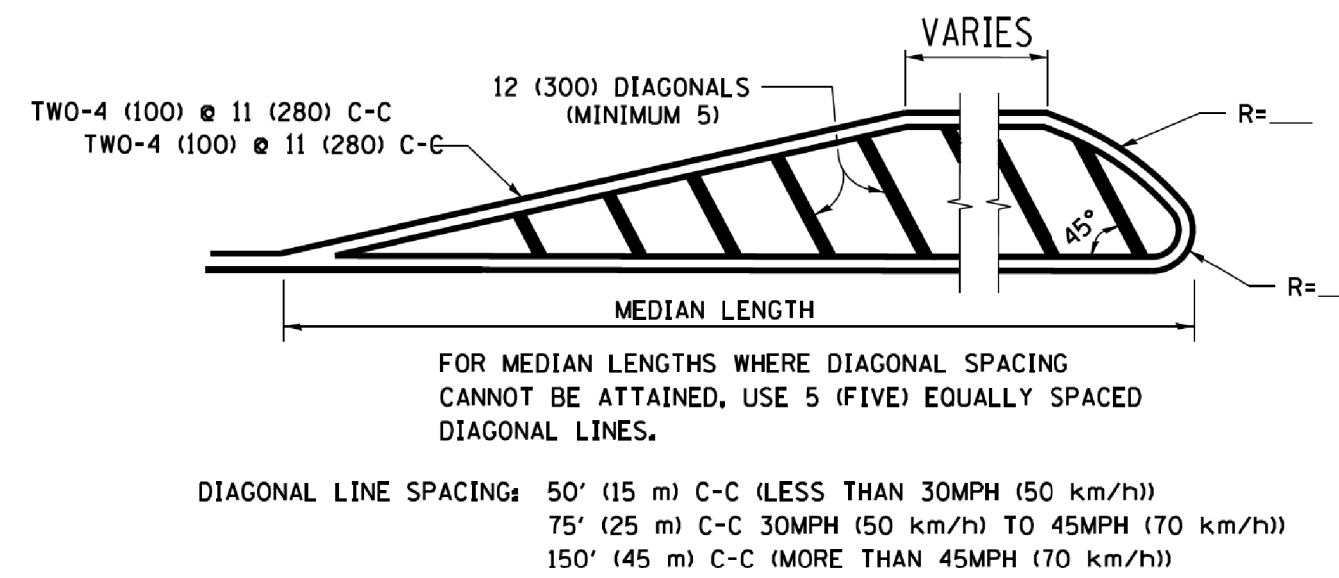
DETAIL "B"

TYPICAL CROSSWALK MARKING

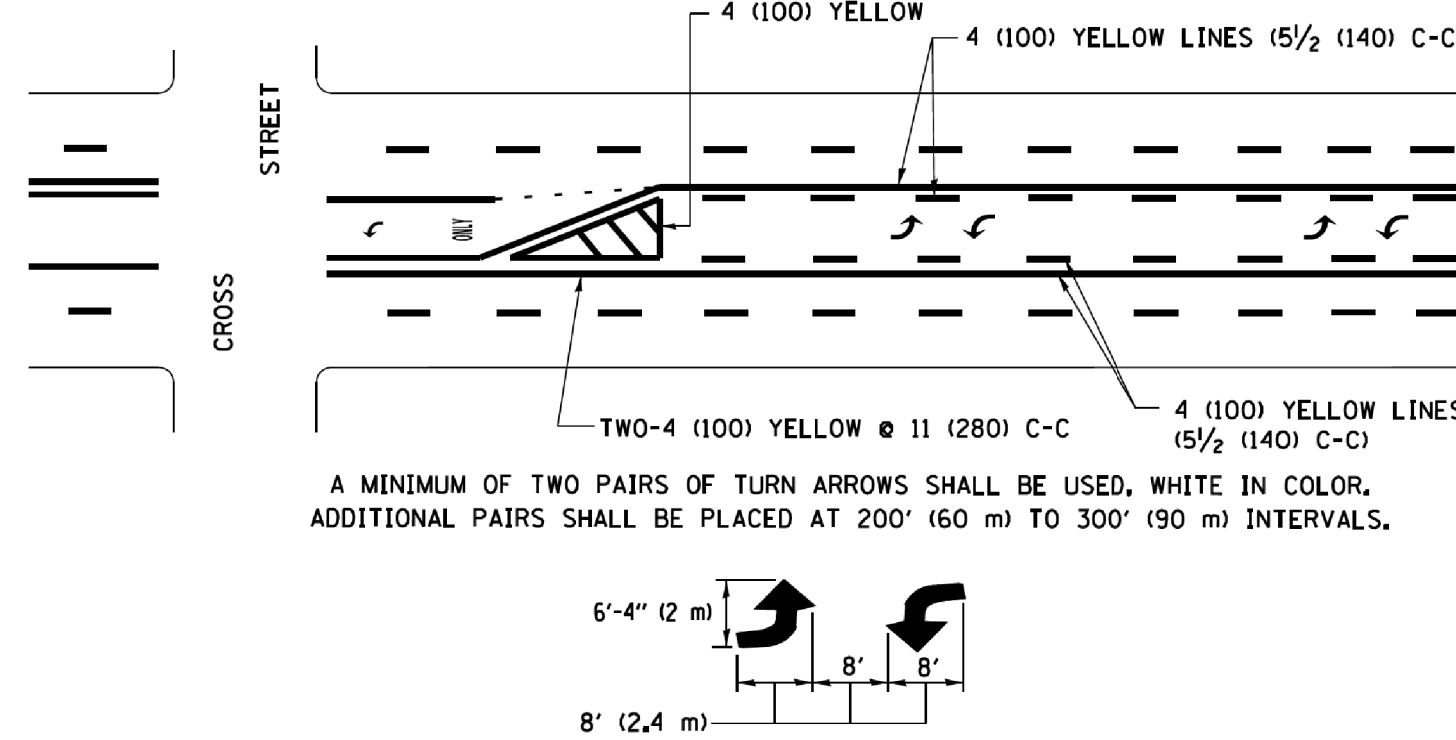
* MARKINGS SHALL BE INSTALLED PARALLEL TO THE CENTERLINE OF THE ROAD WHICH IT CROSSES



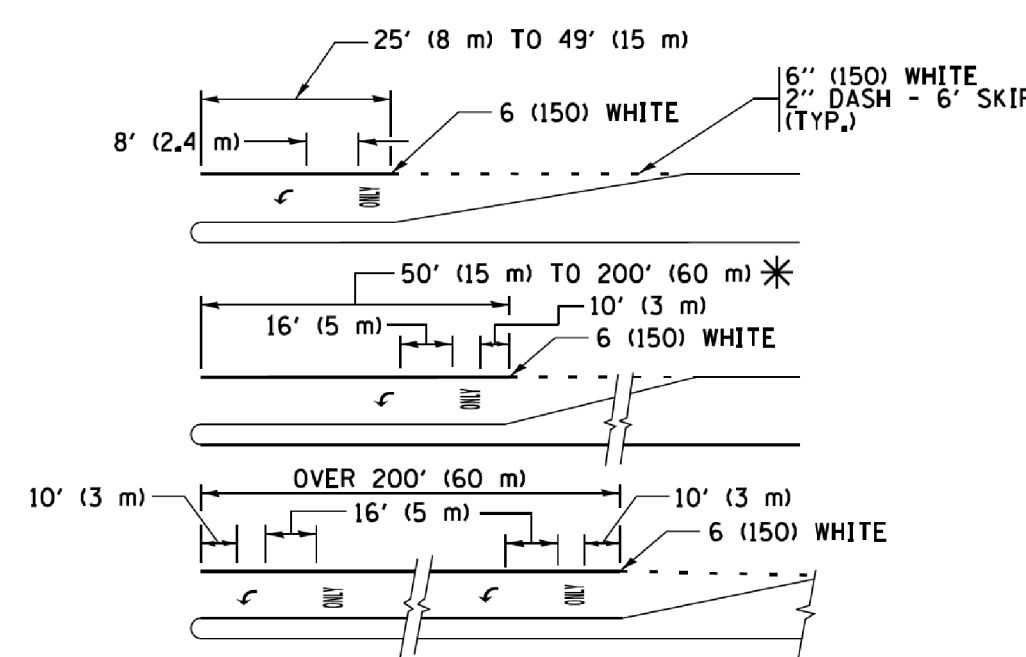
4' (1.2 m) WIDE MEDIANS ONLY



MEDIANS OVER 4' (1.2 m) WIDE



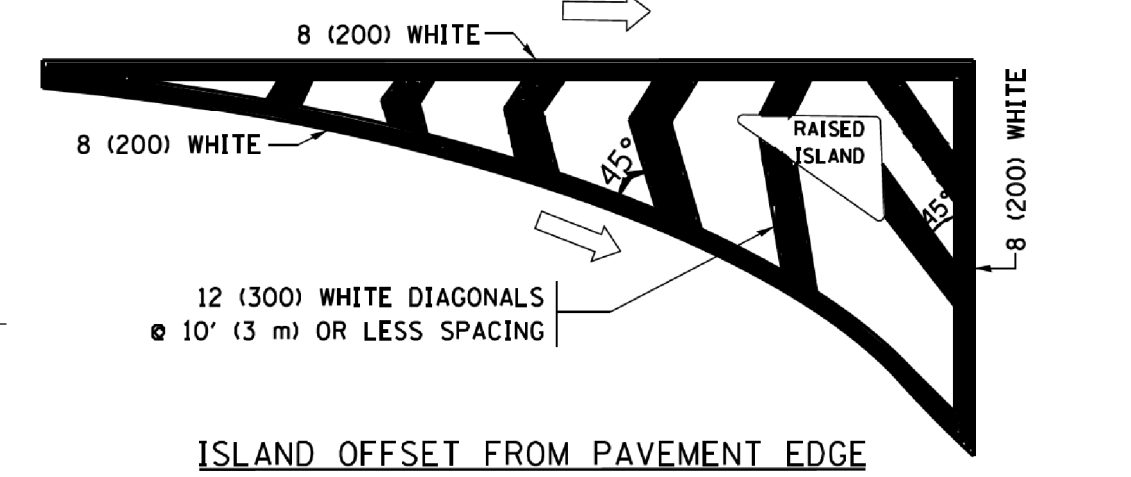
**MEDIAN WITH TWO-WAY LEFT TURN LANE
TYPICAL PAINTED MEDIAN MARKING**



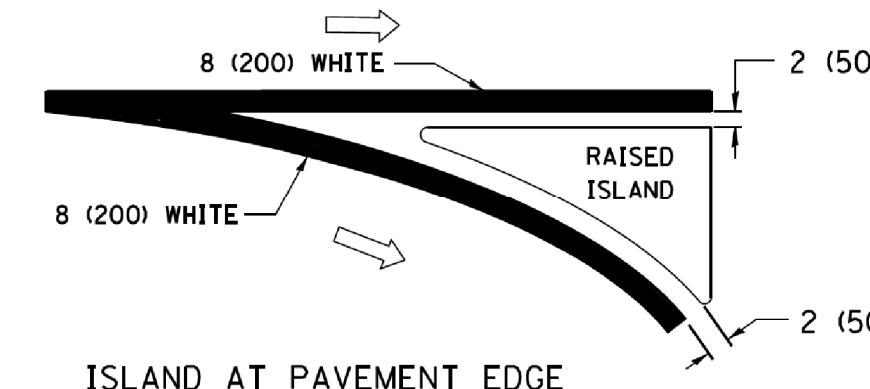
TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING

FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
 AREA = 15.6 SQ. FT. (1.5 m²) ONLY AREA = 20.8 SQ. FT. (1.9 m²)
 * TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

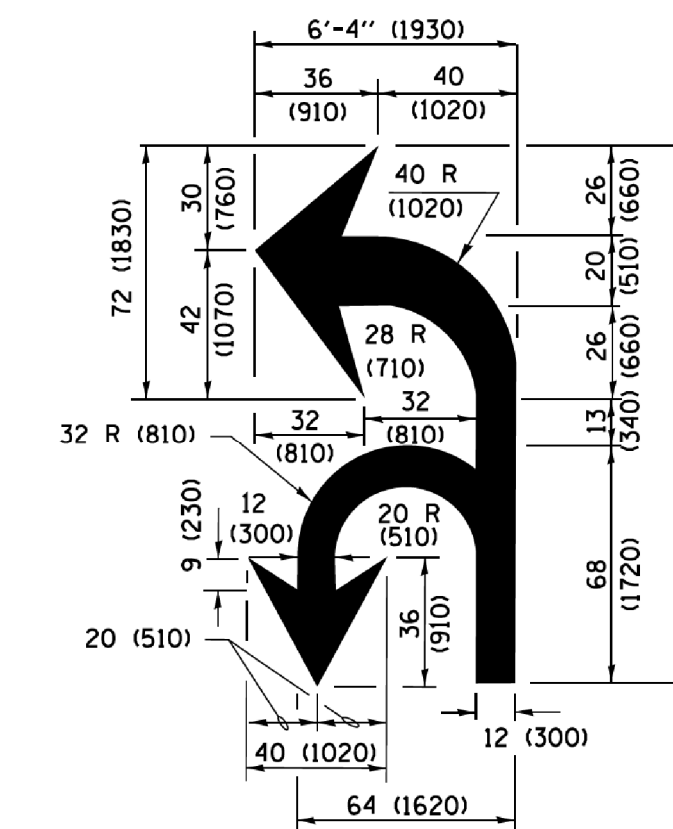


ISLAND OFFSET FROM PAVEMENT EDGE

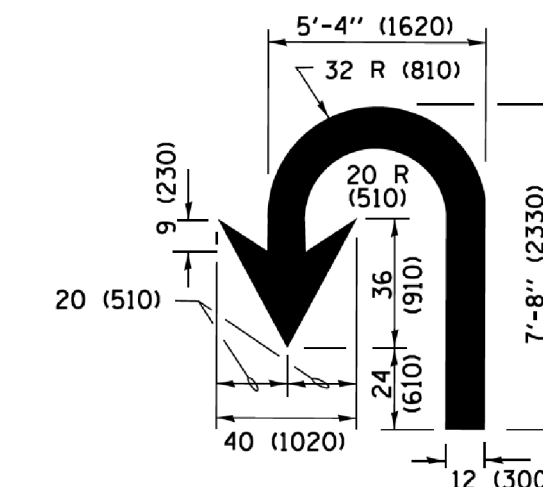


ISLAND AT PAVEMENT EDGE

TYPICAL ISLAND MARKING



COMBINATION LEFT AND U-TURN



U-TURN

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

LANE REDUCTION TRANSITION

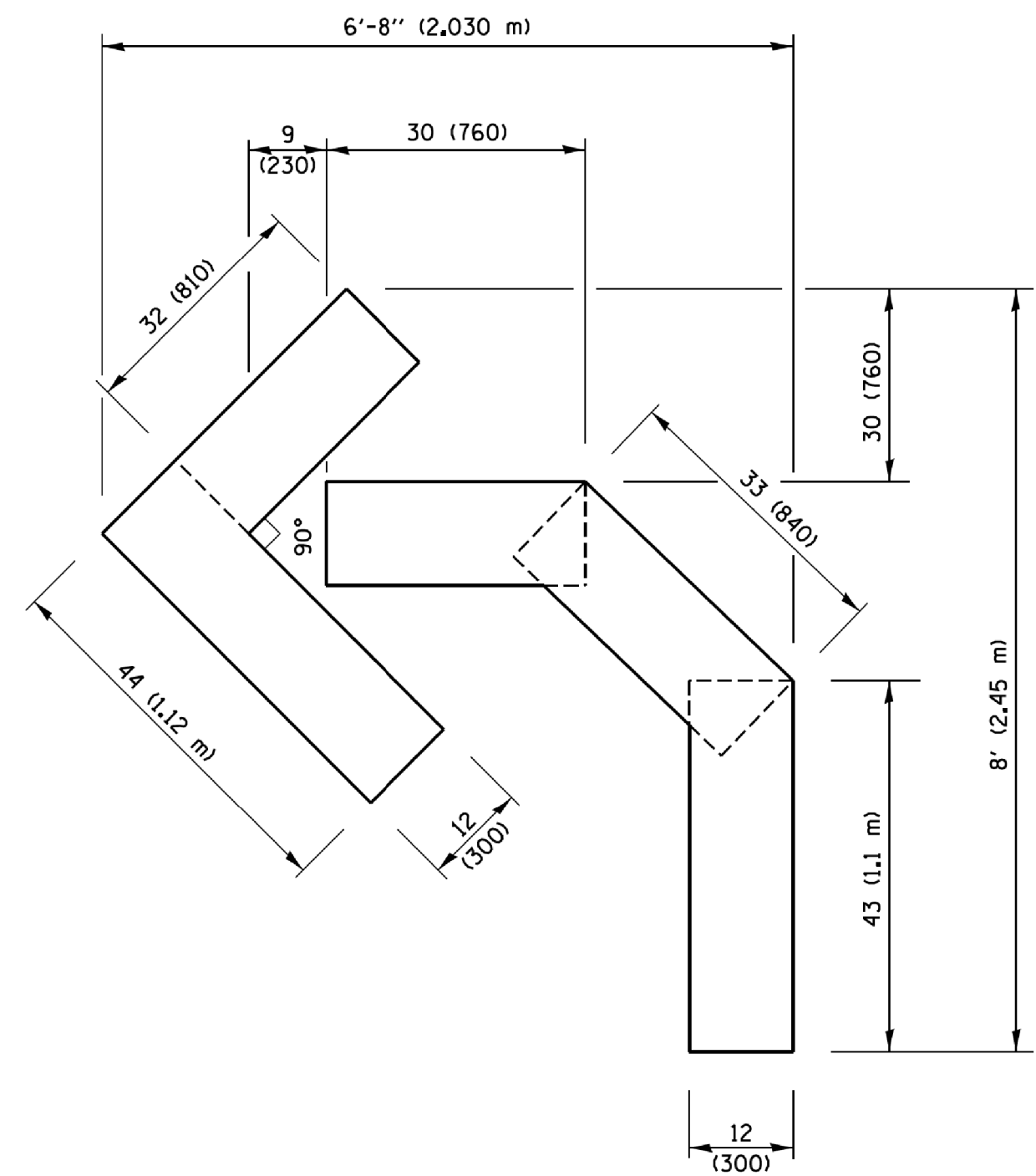
* LANE REDUCTION ARROWS REQUIRED AT SPEEDS OF 45 MPH OR GREATER OR WHEN SPECIFIED IN PLANS.

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	5/2 (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; 5/2 (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 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 "RR"=3.6 SQ. FT. (0.33 m ²) EACH "X"=54.0 SQ. FT. (5.0 m ²)
SHOULDER DIAGONALS (REQUIRED FOR SHOULDERS ≥ 8')	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))
U TURN ARROW	SEE DETAIL	SOLID	WHITE	16.3 SF
2 ARROW COMBINATION LEFT AND U TURN	SEE DETAIL	SOLID	WHITE	30.4 SF

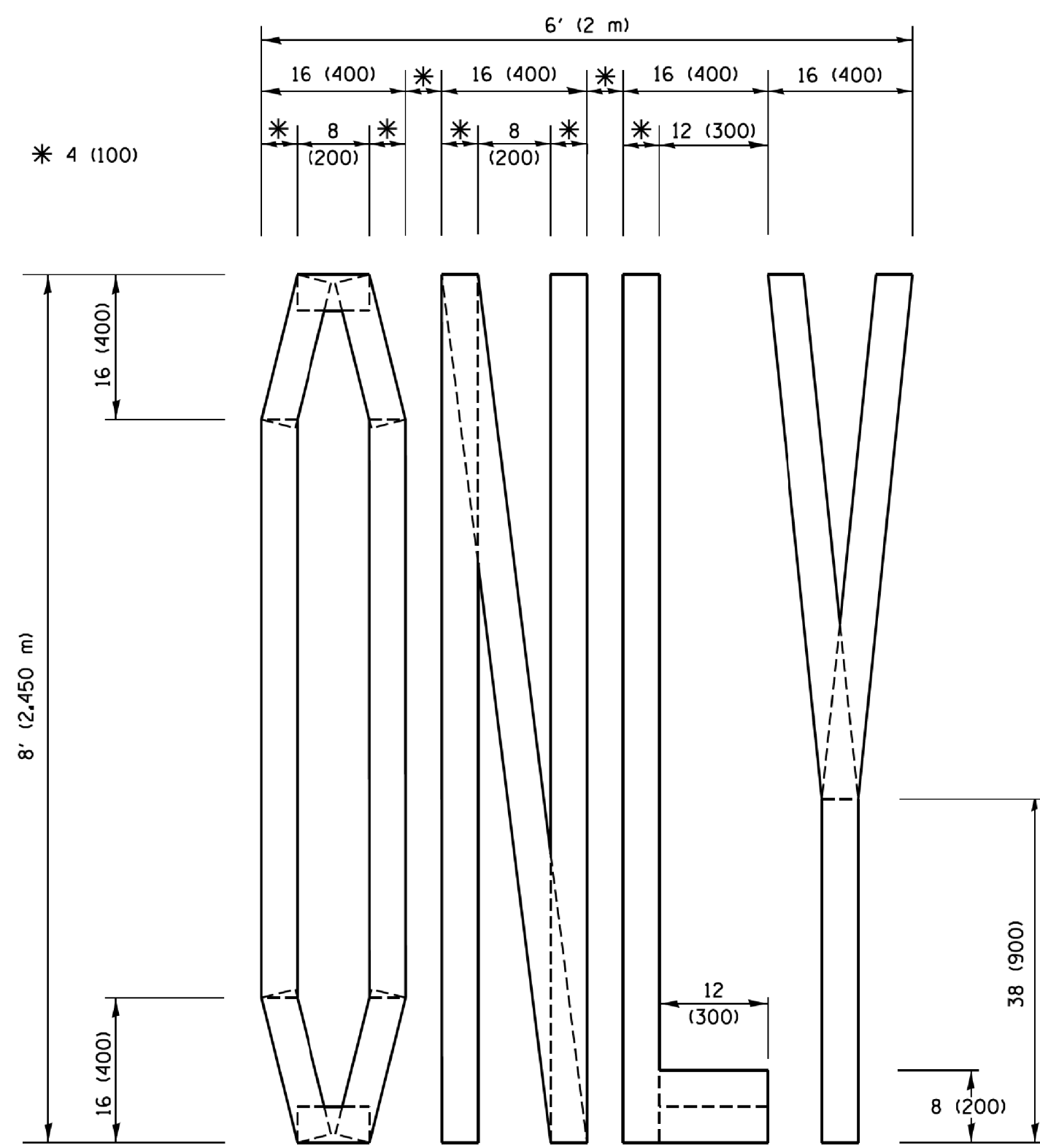
FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND STATE STANDARD 780001.

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

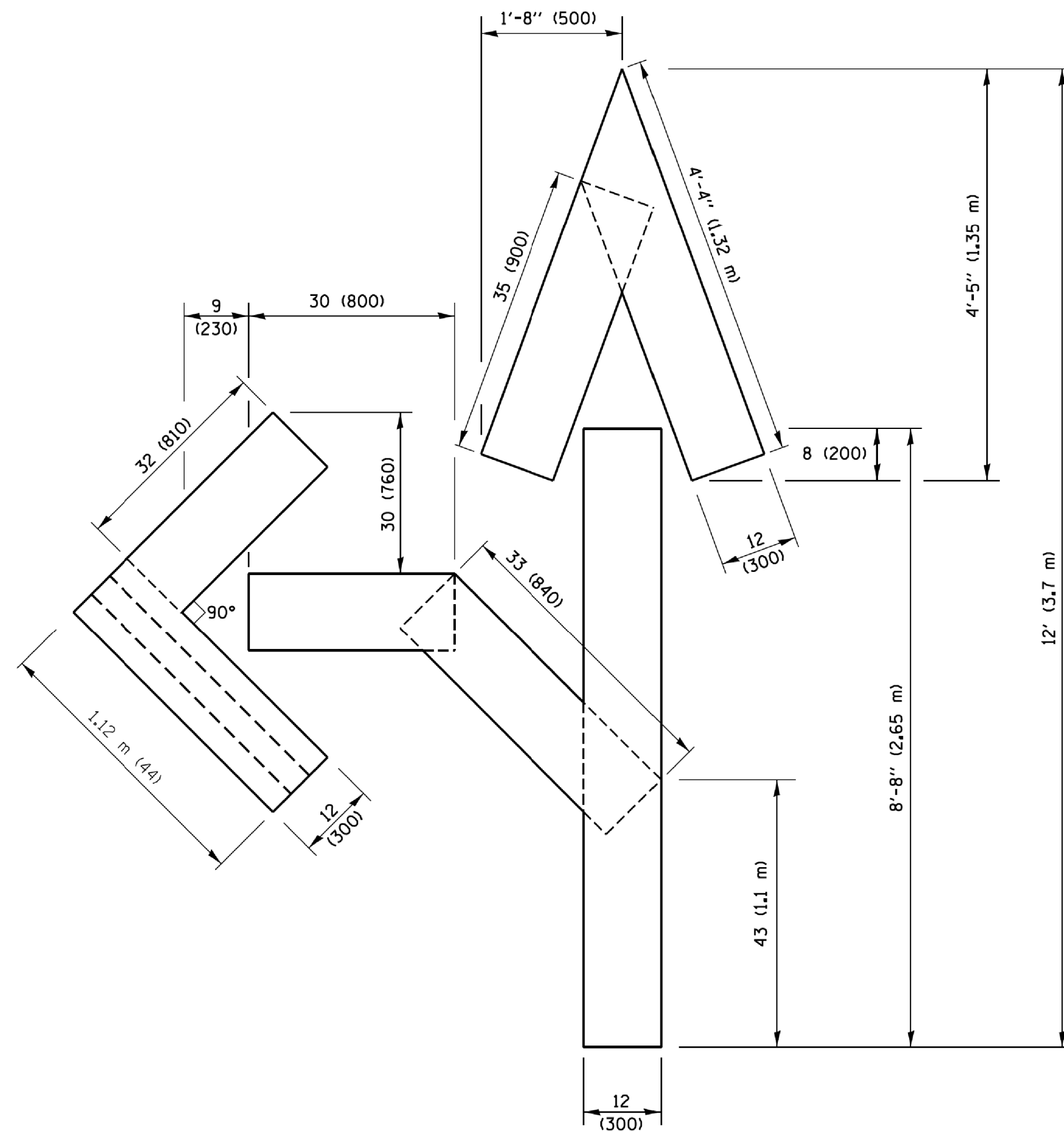
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Default	PLLOT SCALE = 50,000 / 1"	CHECKED -	REVISED - C. JUCIUS 07-01-13		SCALE: NONE	SHEET 1 OF 1 SHEETS	STA. TO STA.	900	17-00018-00-RS	LAKE	33	31
	PLLOT DATE = 4/13/2016	DATE - 03-19-90	REVISED - C. JUCIUS 12-21-15					TC-13		CONTRACT NO.	61E38	
			REVISED - C. JUCIUS 04-12-16					ILLINOIS FED. AID PROJECT				



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

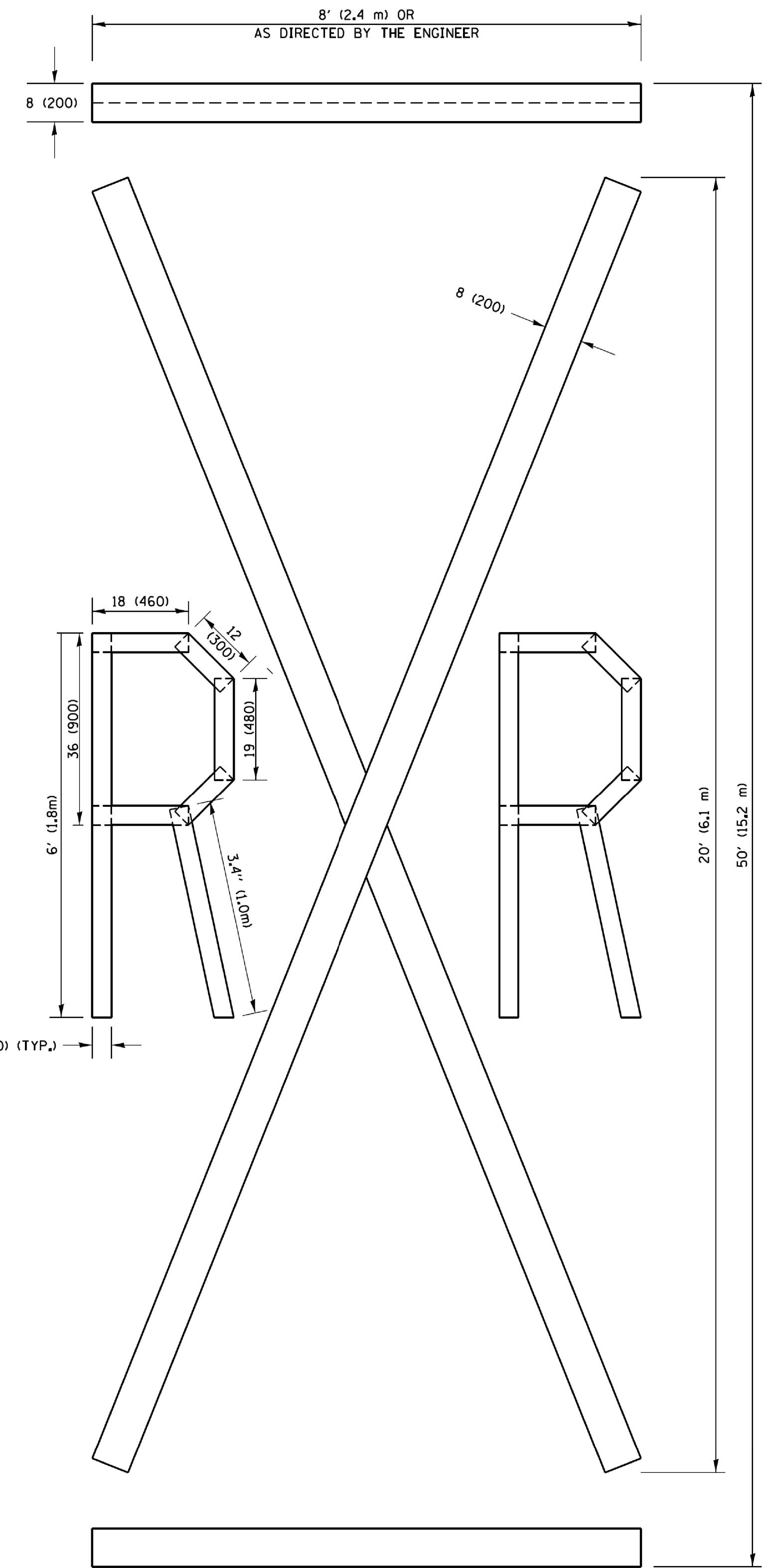


QUANTITY
 4 (100) LINE = 64.1 ft. (19.5 m)
 21.4 sq. ft. (1.99 sq. m)



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

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



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

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

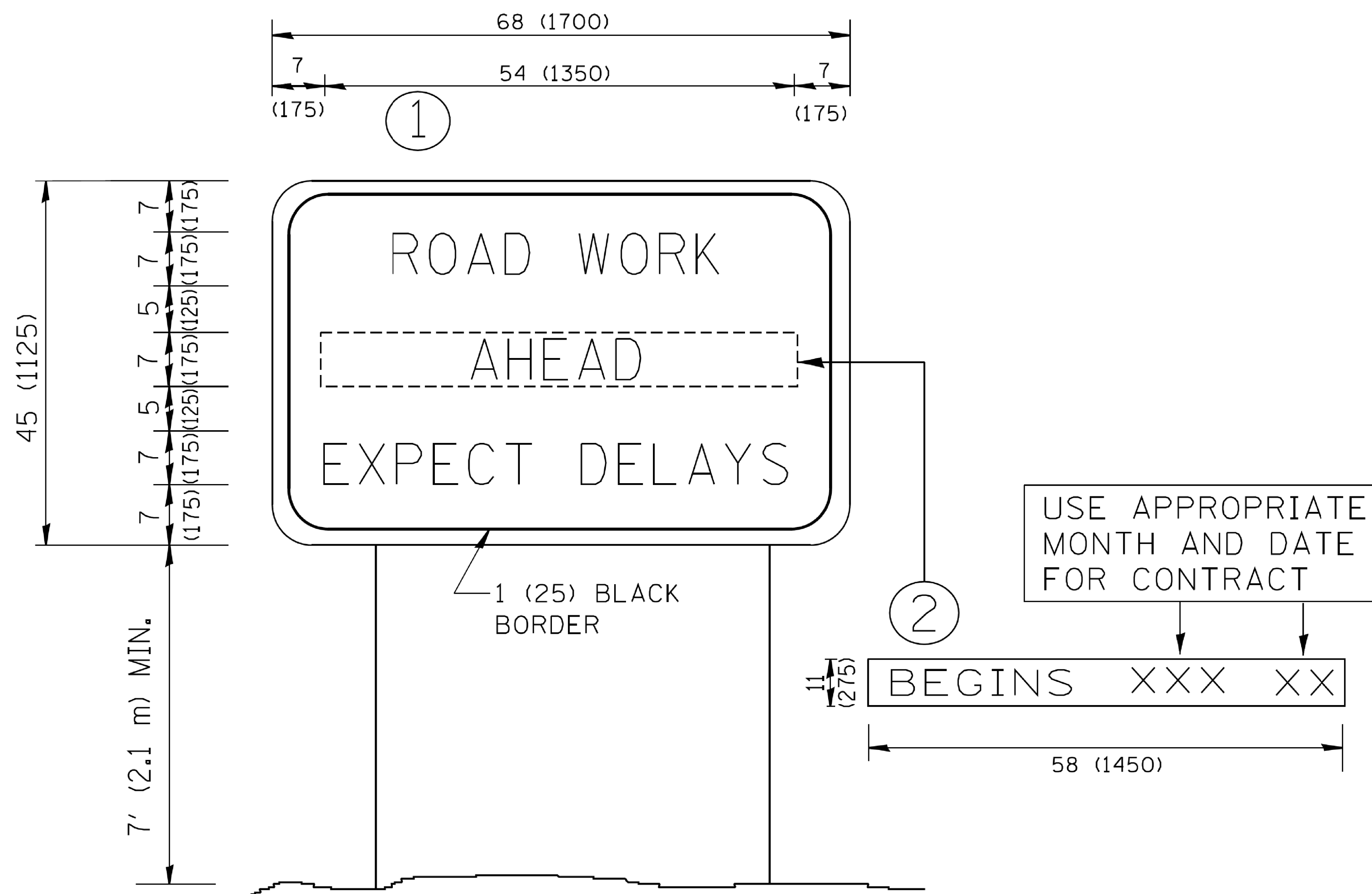
FILE NAME =	USER NAME = footemj	DESIGNED -	REVISED -T. RAMMACHER 03-02-98
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PLOT SCALE = 50,0000' / in.		CHECKED -	REVISED -E. GOMEZ 08-28-00
PLOT DATE = 9/15/2016		DATE - 09-18-94	REVISED -A. SCHUETZE 09-15-16

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS (TC-16)

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
900	17-00018-00-RS	LAKE	33	32
TC-16		CONTRACT NO.	61E38	
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 = W:\diststd\22x34\to22.dgn	USER NAME = geglionbt	DESIGNED -	REVISED - R. MIRS 09-15-97
		DRAWN -	REVISED - R. MIRS 12-11-97
		CHECKED -	REVISED - T. RAMMACHER 02-02-99
		DATE -	REVISED - C. JUCIUS 01-31-07

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ARTERIAL ROAD
INFORMATION SIGN (TC-22)**

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

F.A. RTE. *	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
900	17-00018-00-RS	LAKE	33	33
TC-22		CONTRACT NO.	61E38	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				