

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS  
**PROPOSED  
HIGHWAY PLANS**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	2020-087-RS	McHENRY	33	1
ILLINOIS CONTRACT NO. 62L65				

FOR INDEX OF SHEET, SEE SHEET NO.2

THE PROJECT IS LOCATED IN THE TOWNSHIPS OF GREENWOOD, HEBRON AND VILLAGE OF HEBRON

F.A.P. 326: IL RTE. 47  
N. OF WARE RD. TO IL RTE. 173  
SECTION: 2020-087-RS  
PROJECT: NHPP-WEU5(422)  
SMART OVERLAY  
McHENRY COUNTY

D-91-486-20



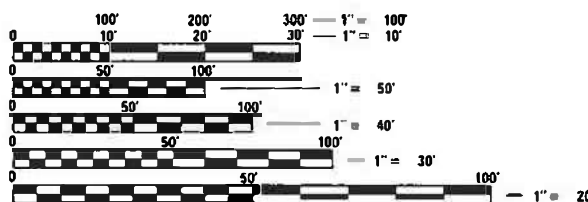
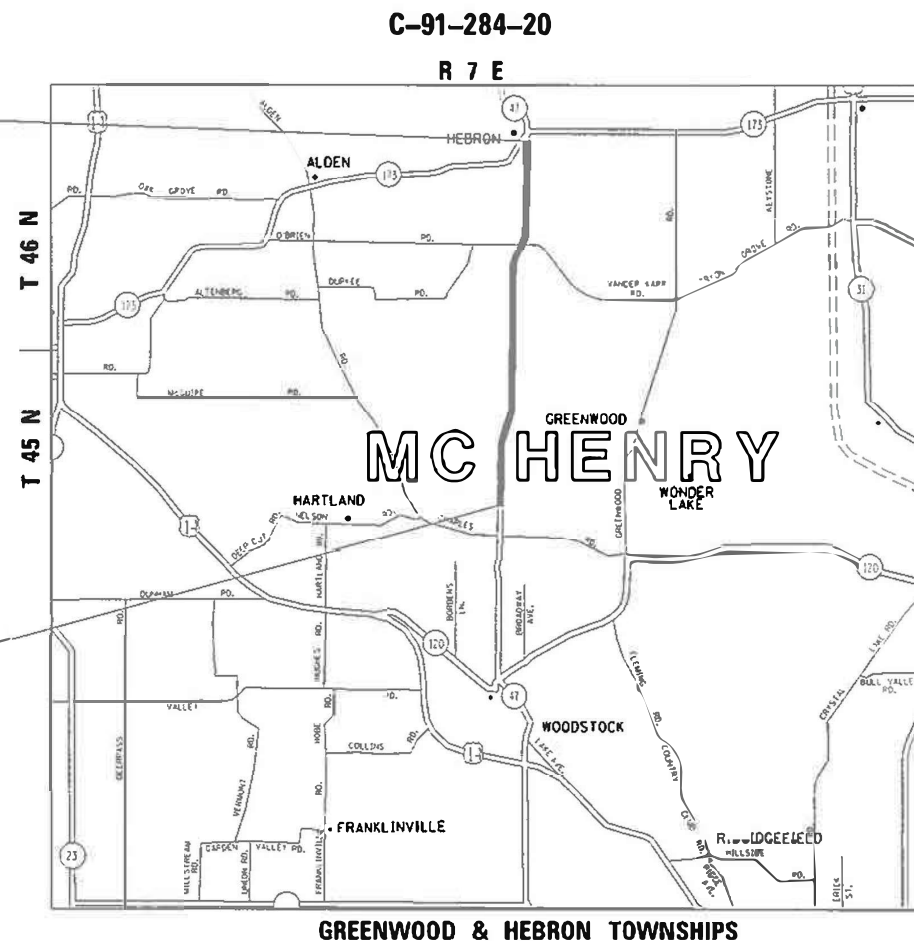
**TRAFFIC DATA**

IL RTE 47: 2019 ADT = 5400 - 16400  
POSTED SPEED LIMIT = 30 - 55 MPH

PROJECT ENDS  
STA 496+68.5

OMISSION  
STA. 184+78.7 TO STA. 186+48  
STA. 256+11 TO STA. 261+03  
STA. 276+13.8 TO STA. 289+86.9  
STA. 382+54.7 TO STA. 397+44.8

PROJECT BEGIN  
STA 23+18



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

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

PROJECT MANAGER: ALAIN MIDY (847) 221-3056  
  
CONTRACT NO. 62L65

GROSS LENGTH = 47350.5 FT. = 8.96 MILE  
NET LENGTH = 43826 FT. = 8.3 MILE

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

SUBMITTED March 9, 2021  
Jose Biondo REGIONAL ENGINEER  
May 7, 2021 [Signature] ENGINEER OF DESIGN AND ENVIRONMENT  
May 7, 2021 [Signature] DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

**PRINTED BY THE AUTHORITY  
OF THE STATE OF ILLINOIS**

**INDEX OF SHEETS**

**STATE HIGHWAY STANDARDS**

SHEET NO.	DESCRIPTION
1	COVER SHEET
2	INDEX OF SHEETS, STATE STANDARDS & GENERAL NOTES
3-5	SUMMARY OF QUANTITIES
6	EXISTING AND PROPOSED TYPICAL SECTIONS
7-23	ROADWAY PLAN
24	DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING (BD-08)
25	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT (BD-22)
26	CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT (BD-24)
27	BUTT JOINT AND HMA TAPER DETAILS (BD-32)
28	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS (TC-10)
29	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW PLOW RESISTANT) (TC-11)
30	DISTRICT ONE TYPICAL PAVEMENT MARKINGS (TC-13)
31	TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) (TC-14)
32	SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS (TC-16)
33	ARTERIAL ROAD INFORMATION SIGN (TC-22)

STANDARD NO.	DESCRIPTION
000001-08	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
442201-03	CLASS C AND D PATCHES
701006-05	OFF-ROAD OPERATION, 2L, 2W, 15' to 24" FROM PAVEMENT EDGE
701011-04	OFF-ROAD MOVING OPERATIONS, 2L, 2W, DAY ONLY
701301-04	LANE CLOSURE , 2L, 2W, SHORT TIME OPERATIONS
701306-04	LANE CLOSURE , 2L, 2W, SLOW MOVING OPERATIONS-DAY ONLY, FOR SPEED $\geq$ 45 MPH
701311-03	LANE CLOSURE , 2L, 2W, MOVING OPERATIONS-DAY ONLY
701336-07	LANE CLOSURE , 2L, 2W, WORK AREAS IN SERIES, FOR SPEEDS $\geq$ 45 MPH
701427-05	LANE CLOSURE , MULTILANE, INTERMITTENT OR MOVING OPERATIONS FOR SPEEDS < 40 MPH
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701502-09	URBAN LANE CLOSURE, 2L, 2W, WITH BIDIRECTIONAL LEFT TURN LANE
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-06	LANE CLOSURE MULTILANE, 1W OR 2W CROSSWALK OR SIDEWALK CLOSURE
701901-08	TRAFFIC CONTROL DEVICES

**GENERAL NOTES**

- BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" AT (800) 892-0123 OR 811 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE, AND GAS FACILITIES. (48 HOUR NOTIFICATION REQUIRED)
- THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES AND THE TOWNSHIPS OF GREENWOOD, HEBRON AND VILLAGE OF HEBRON.
- FRAMES AND GRATES ADJUSTMENT OF PRIVATE UTILITIES WITHIN THE LIMITS OF THE IMPROVEMENTS SHALL BE DONE BY THEIR RESPECTIVE OWNERS AND ARE NOT PART OF THIS CONTRACT.
- THE CONTRACTOR SHALL CONTACT DISTRICT ONE ARTERIAL TRAFFIC CONTROL SUPERVISOR AT Kalpana.Kannan-Hosadurga@illinois.gov A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
- THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT THE WRITTEN PERMISSION OF THE DEPARTMENT.
- UNLESS OTHER CONDITIONS WARRANT EXTENDED LANE CLOSURE AS DETERMINED AND APPROVED IN WRITING BY THE RESIDENT ENGINEER OR AS PROVIDED FOR IN THE CONTRACT SPECIFICATIONS, OVERNIGHT CLOSURES SHALL NOT BE ALLOWED FOR REHABILITATION PROJECTS INVOLVING DAYTIME MILLING AND RESURFACING OPERATIONS AND CLASS D PATCHING.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
- DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.
- THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTY AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.
- 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 ENGINEER.
- FOR FRAMES AND LIDS ADJUSTMENT WITHOUT MILLING, REUSE EXISTING FRAME AND LID UNLESS OTHERWISE SPECIFIED IN THE PLANS.
- WHEN MILLED PAVEMENT IS OPEN TO TRAFFIC, THE MAXIMUM GRADE DIFFERENTIAL BETWEEN PASSES OF THE MILLING MACHINE SHALL NOT EXCEED 1½ INCHES WHERE THE SPEED LIMIT IS 45 MPH OR LESS, AND 1 INCH WHERE THE SPEED LIMIT IS OVER 45 MPH. WITH WRITTEN APPROVAL FROM THE RESIDENT ENGINEER, A MAXIMUM GRADE DIFFERENTIAL OF 3 INCHES MAY BE ALLOWED IF THE EDGE OF THE MILLING IS SLOPED A MINIMUM OF 1V:3H.
- BUTT JOINTS WILL BE INSTALLED AT THE ENDS OF RESURFACING (WHERE RESURFACING MEETS EXISTING PAVEMENT) IN ACCORDANCE WITH THE "BUTT JOINT AND HMA TAPER DETAILS" SHEET INCLUDED IN THE PLANS, UNLESS OTHERWISE SPECIFIED.
- THE RESIDENT ENGINEER SHALL CONTACT WALLY CZAMY , IDOT AREA TRAFFIC FIELD ENGINEER VIA E-MAIL AT WALTER.CZAMY@ILLINOIS.GOV, A MINIMUM OF 2 WEEKS PRIOR TO PLACEMENT OF PERMANENT PAVEMENT MARKINGS.
- 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.
- 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.
- PAVEMENT MARKING TAPE, TYPE III SHALL BE USED FOR SHORT TERM PAVEMENT MARKINGS ON ALL FINAL SURFACES.
- THE REMOVAL OF OVERPOURED CONCRETE FROM THE CURB AND GUTTER ONTO THE ROADWAY PAVEMENT SHALL BE INCLUDED IN THE COST OF HMA SURFACE REMOVAL. EXACT LOCATIONS OF THE OVERPOURED CONCRETE SHALL BE AS DIRECTED BY THE RESIDENT ENGINEER.

SUMMARY OF QUANTITIES			CONSTRUCTION TYPE CODE					
CODE NO	ITEM	UNIT	TOTAL QUANTITIES URBAN	0005 OVERLAY 80% FED 20% STATE	0005 OVERLAY 100% STATE			
21101615	TOPSOIL FURNISH AND PLACE, 4"	SO YD	100	100				
25200110	SODDING, SALT TOLERANT	SO YD	100	100				
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	60378	60378				
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	201	201				
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SO YD	364	364				
40601005	HOT-MIX ASPHALT REPLACEMENT OVER PATCHES	TON	857	857				
40604062	HOT-MIX ASPHALT SURFACE COURSE, IL-9, 5, MIX "D", N70	TON	11270	11270				
42001300	PROTECTIVE COAT	SO YD	150	150				
42300200	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH	SO YD	10	10				
44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SO YD	134173	134173				
44000200	DRIVEWAY PAVEMENT REMOVAL	SO YD	10	10				
44002212	HOT-MIX ASPHALT REMOVAL OVER PATCHES, 3"	SO YD	5100	5100				

SUMMARY OF QUANTITIES			CONSTRUCTION TYPE CODE					
CODE NO	ITEM	UNIT	TOTAL QUANTITIES URBAN	0005 OVERLAY 80% FED 20% STATE	0005 OVERLAY 100% STATE			
44201761	CLASS D PATCHES, TYPE I, 10 INCH	SO YD	100	100				
44201765	CLASS D PATCHES, TYPE II, 10 INCH	SO YD	2250	2250				
44201769	CLASS D PATCHES, TYPE III, 10 INCH	SO YD	2000	2000				
44201771	CLASS D PATCHES, TYPE IV, 10 INCH	SO YD	750	750				
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	1188	1188				
60251740	CATCH BASINS TO BE ADJUSTED WITH NEW TYPE 24 FRAME AND GRATE	EACH	20	20				
60252800	CATCH BASINS TO BE RECONSTRUCTED	EACH	2	2				
60257900	MANHOLES TO BE RECONSTRUCTED	EACH	4	4				
60261540	INLETS TO BE ADJUSTED WITH NEW TYPE 24 FRAME AND GRATE	EACH	5	5				
60300305	FRAMES AND LIDS TO BE ADJUSTED	EACH	5	5				
60406000	FRAMES AND LIDS, TYPE 1, OPEN LID	EACH	5	5				
60406100	FRAMES AND LIDS, TYPE 1, CLOSED LID	EACH	20	20				
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	12	12				
67100100	MOBILIZATION	L SUM	1	1				

FILE NAME =	USER NAME = abebawa	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>IL RTE. 147 (IL RTE. 173 TO N. OF WARE RD) SUMMARY OF QUANTITIES</b>	F.A.P. RTE. 326	SECTION 2020-078-RS	COUNTY MCHENRY	TOTAL SHEETS 33	SHEET NO. 3	REV-SEP		
	PLOT SCALE = 1/8" = 1' In.	CHECKED -	REVISED -			SCALE:	SHEET NO. OF SHEETS STA. TO STA.	CONTRACT NO. 62L65		FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT			
	PLOT DATE = 3/18/2021	DATE -	REVISED -										
*SPECIALTY ITEMS													

SUMMARY OF QUANTITIES			TOTAL QUANTITIES URBAN	CONSTRUCTION TYPE CODE					TOTAL QUANTITIES URBAN	CONSTRUCTION TYPE CODE							
CODE NO	ITEM	UNIT		0005 OVERLAY 80% FED 20% STATE	0005 OVERLAY 100% STATE						0005 OVERLAY 80% FED 20% STATE	0005 OVERLAY 100% STATE					
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1	1					* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	133520	133520				
70102622	TRAFFIC CONTROL AND PROTECTION, STANDARD 701502	L SUM	1	1					* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	800	800				
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	1					* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	455	455				
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1	1					* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	150	150				
70300100	SHORT TERM PAVEMENT MARKING	FOOT	8242	8242					* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	1420	1420				
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	2719	2719					78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	1137	1137				
70300210	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS	SQ FT	36.6	36.6					X2020110	GRADING AND SHAPING SHOULDERS	UNIT	793	793				
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	133520	133520					X5537800	STORM SEWERS TO BE CLEANED 12"	FOOT	100		100			
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	800	800					X6030310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	25	25				
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	455	455					X7030005	TEMPORARY PAVEMENT MARKING REMOVAL	SQ FT	46312	46312				
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	150	150					Z0004562	COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	186	186				
70300520	PAVEMENT MARKING TAPE, TYPE III 4"	FOOT	4121	4121					Z0018500	DRAINAGE STRUCTURES TO BE CLEANED	EACH	15		15			
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	36.6	36.6													

FILE NAME =	USER NAME = abebawa	DESIGNED -	REVISED -
pws\p1nroom.dor\111\ilrns.gov\PW\DOT\Documents\1\DOT	Files\District 1\Projects\DI48620\CADData\Design\DI48620-sh	DRAWN -	REVISED -
	PLOT SCALE = 100.0000' / 1"	CHECKED -	REVISED -
	PLOT DATE = 3/18/2021	DATE -	REVISED -

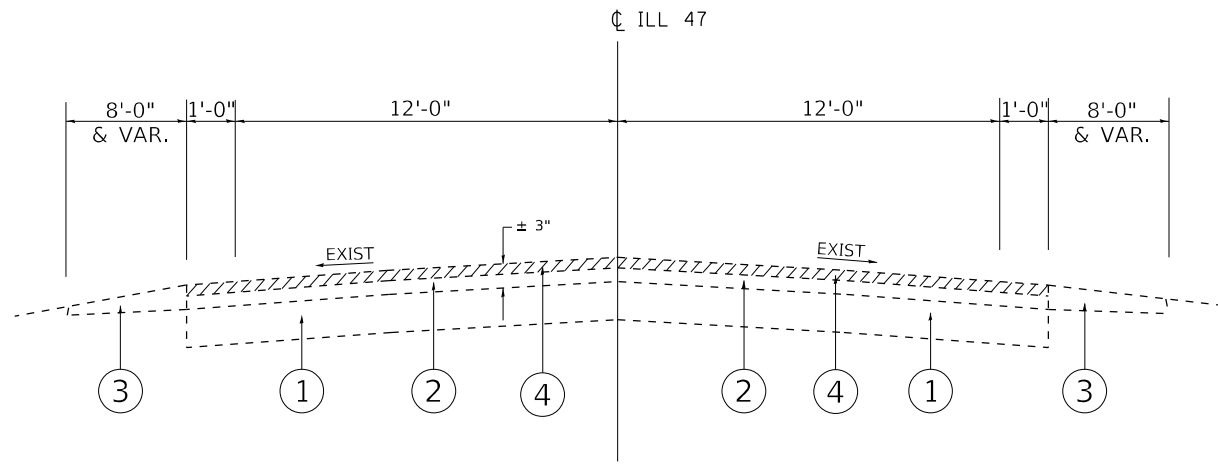
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

IL RTE. 147 (IL RTE. 173 TO N. OF WARE RD)  
**SUMMARY OF QUANTITIES**

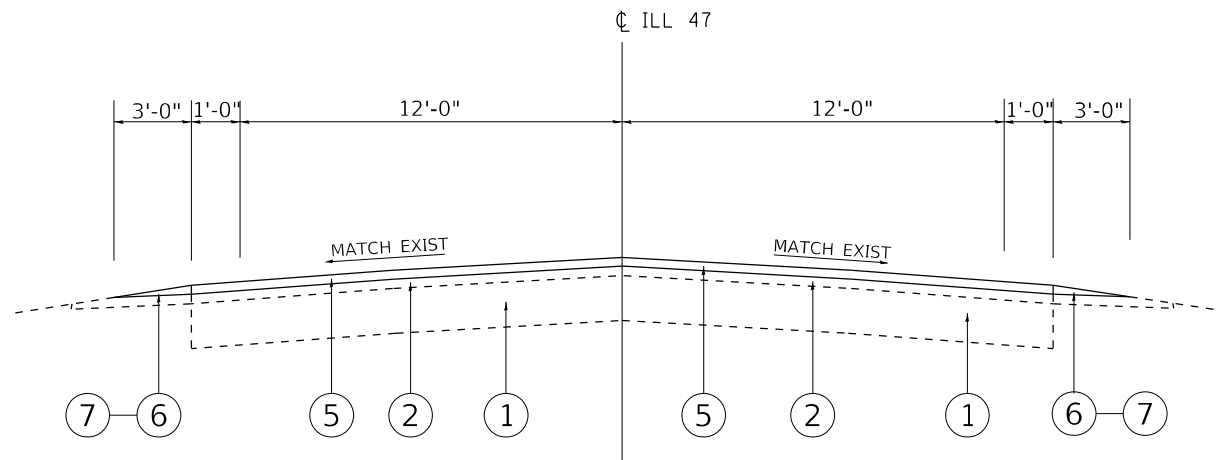
F.A.P. RTE. 326	SECTION 2020-078-RS	COUNTY McHENRY	TOTAL SHEETS 33	SHEET NO. 4
SCALE: SHEET NO. OF SHEETS STA. TO STA.			CONTRACT NO. 62L65	
FED. ROAD DIST. NO. 1   ILLINOIS FED. AID PROJECT				

\*SPECIALTY ITEMS





**EXISTING TYPICAL SECTION**  
 IL RTE 47  
 STA. 23+18 TO STA. 496+68.5



**PROPOSED TYPICAL SECTION**  
 IL RTE 47  
 STA. 23+18 TO STA. 496+68.5

**LEGEND**

- ① EXIST. P.C.C. PAVEMENT ± 10"
- ② EXIST. HOT-MIX ASPHALT PAVEMENT AFTER MILLING ± 1 1/2"
- ③ EXIST. AGGREGATE SHOULDER
- ④ PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"
- ⑤ PROP. HMA SURFACE COURSE, MIX "D", N70, IL-9.5, 1 1/2"
- ⑥ PROP. AGGREGATE WEDGE SHOULDER, TYPE B
- ⑦ PROP. GRADING AND SHAPING SHOULDER

**NOTE:**

THE LONGITUDINAL JOINT SEALANT SHALL BE PLACED OVER THE MILLED SURFACE

MIXTURE REQUIREMENTS		QUALITY MANAGEMENT PROGRAM (QMP)
MIXTURE USES	VOIDS @ Ndes	
<b>PAVEMENT RESURFACING( INCLUDING SHOULDER)</b>		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL 9.5 mm)	4% AT 70 GYR.	<b>PFP</b>
<b>PATCHING</b>		
CLASS D PATCHES (HMA BINDER, IL-19.0)	4% AT 70 GYR.	<b>QC/QA</b>
HMA REPLACEMENT OVER PATCHES(HMA BINDER IL-19)	4% AT 70 GYR.	<b>QC/QA</b>
QMP Designation: Quality Control/Quality Assurance (QC/QA); Quality Control for Performance (QCP)		

NOTE 1: THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SQYD/IN

NOTE 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 SPECIAL PROVISIONS.

FOR USE OF RECYCLED MATERIALS SEE SPECIAL PROVISIONS.

QUALITY MANAGEMENT PROGRAM (QMP) IDENTIFIES THE PARTICULAR QUALITY CONTROL SPECIFICATION THAT APPLIES TO THE HMA MIXTURE

**THE CONTRACTOR SHALL PATCH FIRST THEN MILL**

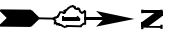
Default  
 FILE NAME: P:\a\blnroom\cot\illinois\pwr\FW\DOT\Documents\DOT - Office\District - 1\Projects\14862\0\CADD\ba\Design\148620-sit-plan.dgn

USER NAME = abebawa	DESIGNED -	REVISED -
PLOT SCALE = 100.4076 ' / in.	DRAWN -	REVISED -
PLOT DATE = 4/8/2021	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

<b>EXISTING AND PROPOSED TYPICAL SECTIONS</b>			
<b>IL ROUTE 47 – PRIDE RD. TO WARE RD.</b>			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

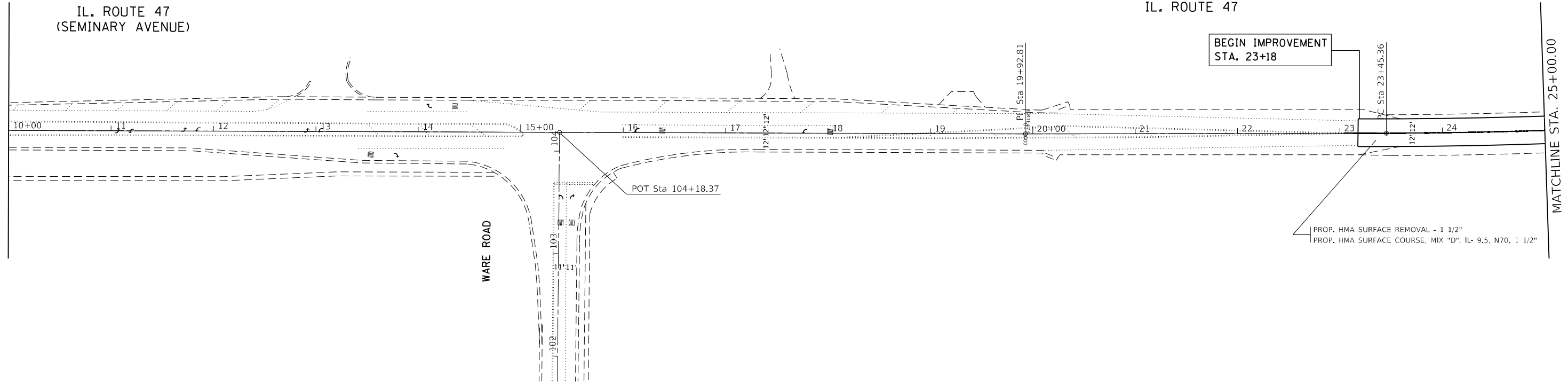
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	2020-087-RS	McHENRY	33	6
CONTRACT NO. 62L65			ILLINOIS FED. AID PROJECT	



IL. ROUTE 47  
(SEMINARY AVENUE)

IL. ROUTE 47

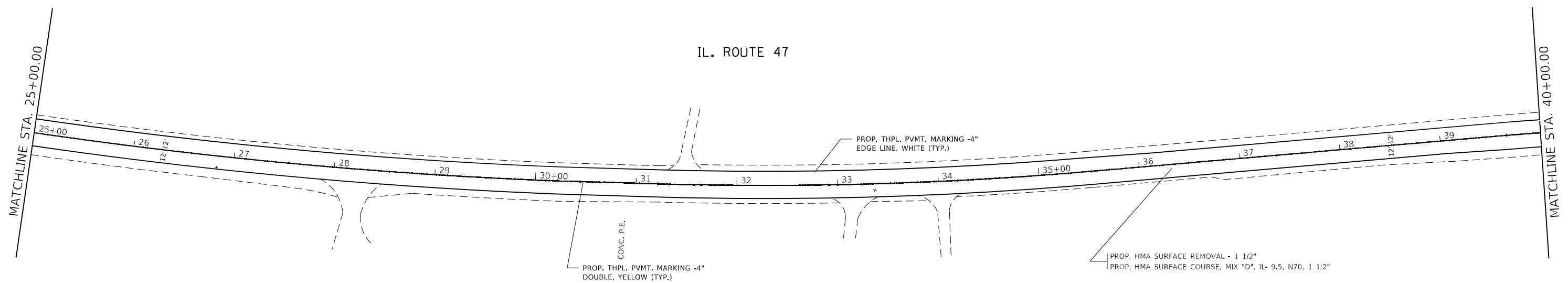
BEGIN IMPROVEMENT  
STA. 23+18



PROP. HMA SURFACE REMOVAL - 1 1/2"  
PROP. HMA SURFACE COURSE, MIX "D", IL- 9.5, N70, 1 1/2"



IL. ROUTE 47



PROP. HMA SURFACE REMOVAL - 1 1/2"  
PROP. HMA SURFACE COURSE, MIX "D", IL- 9.5, N70, 1 1/2"

- NOTE:**
1. INSTALLATION OF PAVEMENT MARKING SHOULD FOLLOW THE GUIDELINES OF THE DISTRICT ON DETAIL TC-13.
  2. INSTALLATION OF RAISED REFLECTIVE PAVEMENT MARKERS SHOULD FOLLOW THE GUIDELINES OF THE DISTRICT ON DETAIL TC-11.

MODEL: Default  
FILE NAME: g:\s\demomoon.co\illinois\gov\pwidot\documents\ibdot\_offices\distric\_1\projects\148620\CADD\data\Design\148620-sh-1-plan.dgn

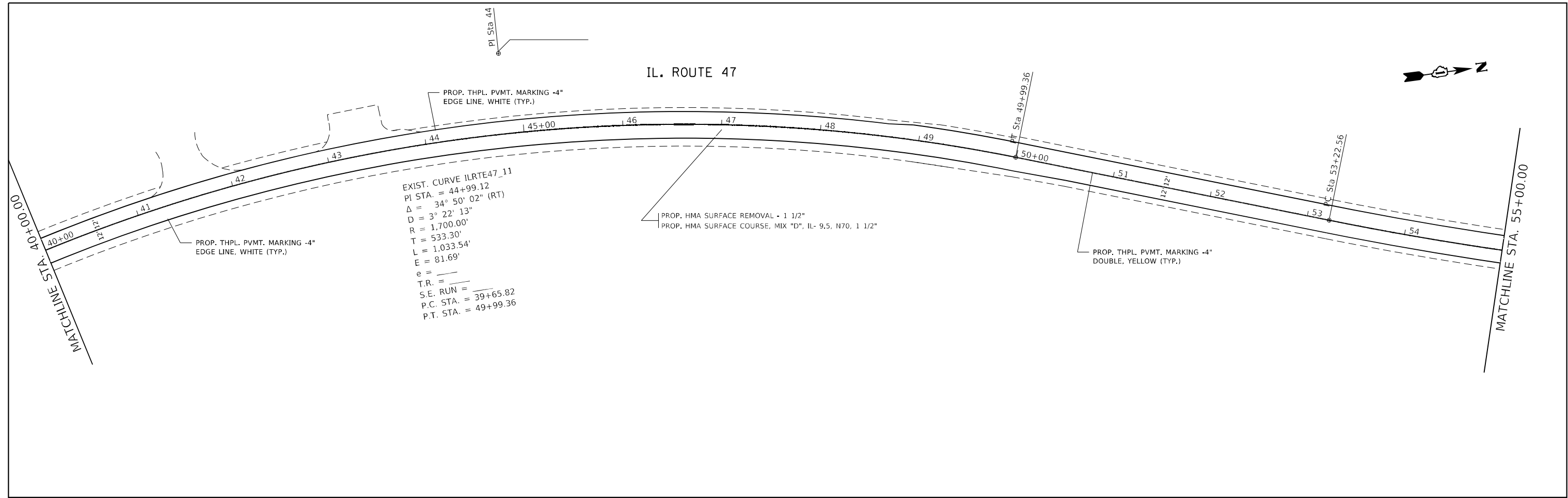
USER NAME = abesawa	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 3/18/2021	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

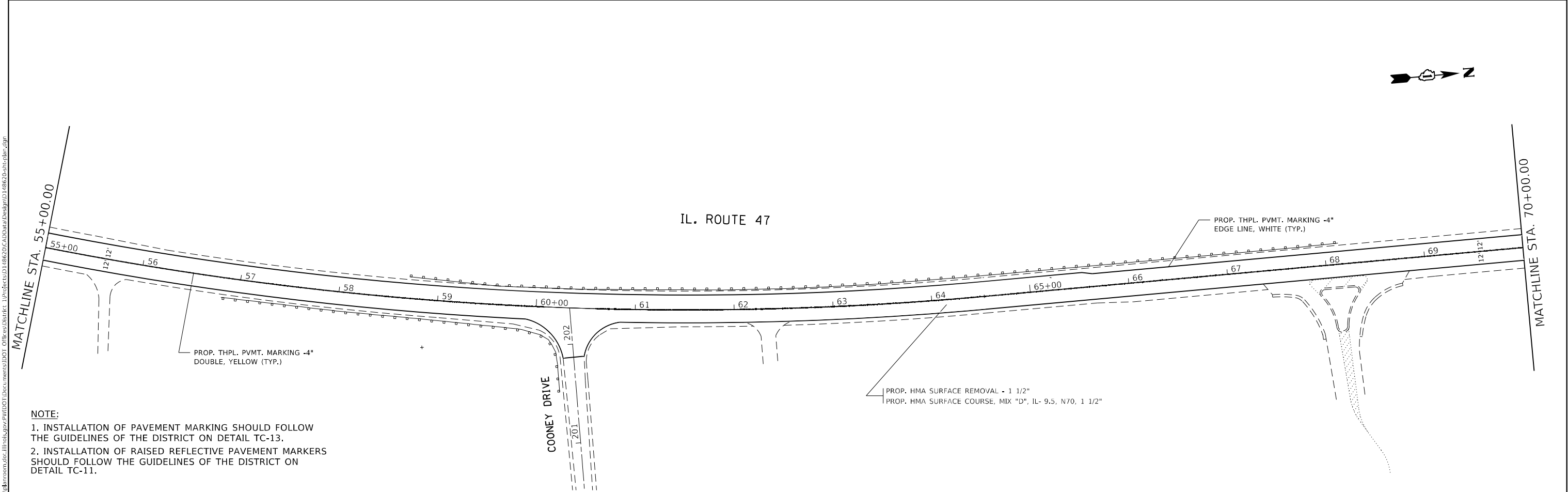
**EXISTING AND PROPOSED ROADWAY PLAN**  
**IL. RTE. 47 FROM WARE RD. TO N. OF PRICE RD.**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	2020-087-RS	McHENRY	33	7
CONTRACT NO. 62L65			ILLINOIS FED. AID PROJECT	



EXIST. CURVE ILRTE47\_11  
 PI STA. = 44+99.12  
 Δ = 34° 50' 02" (RT)  
 D = 3° 22' 13"  
 R = 1,700.00'  
 T = 533.30'  
 L = 1,033.54'  
 E = 81.69'  
 e = —  
 T.R. = —  
 S.E. RUN = —  
 P.C. STA. = 39+65.82  
 P.T. STA. = 49+99.36



NOTE:  
 1. INSTALLATION OF PAVEMENT MARKING SHOULD FOLLOW THE GUIDELINES OF THE DISTRICT ON DETAIL TC-13.  
 2. INSTALLATION OF RAISED REFLECTIVE PAVEMENT MARKERS SHOULD FOLLOW THE GUIDELINES OF THE DISTRICT ON DETAIL TC-11.

MODEL: Default  
 FILE NAME: I:\projects\2020\087-RS\Drawings\2020-087-RS\Drawings\2020-087-RS\2020-087-RS-08.dwg  
 PROJECT: 2020-087-RS  
 OFFICE: DISTRICT 1  
 DATE: 3/18/2021

USER NAME = abcbawa	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.1702' / in.	CHECKED -	REVISED -
PLOT DATE = 3/18/2021	DATE -	REVISED -

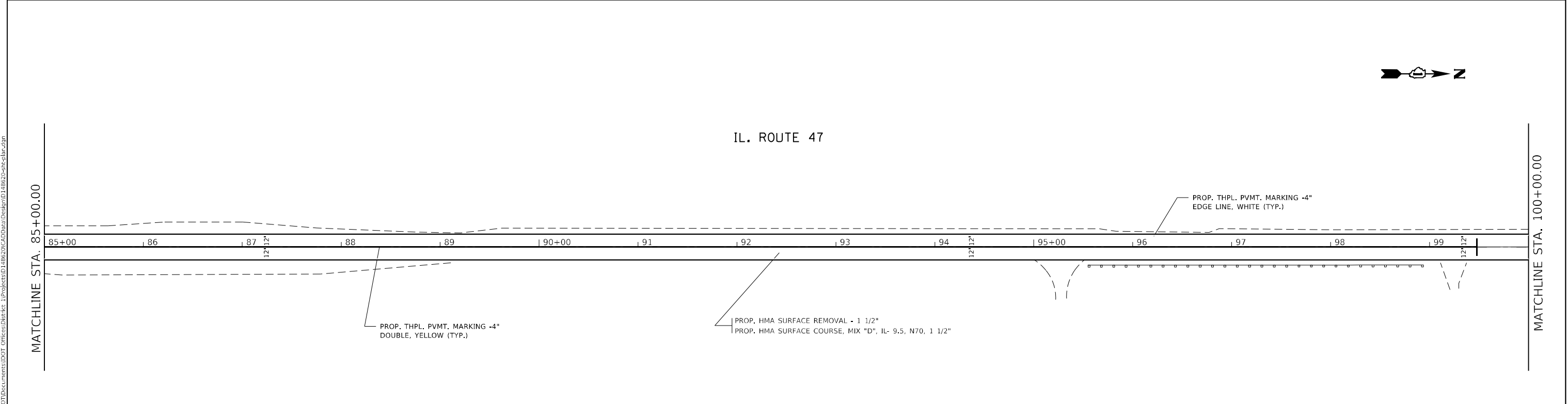
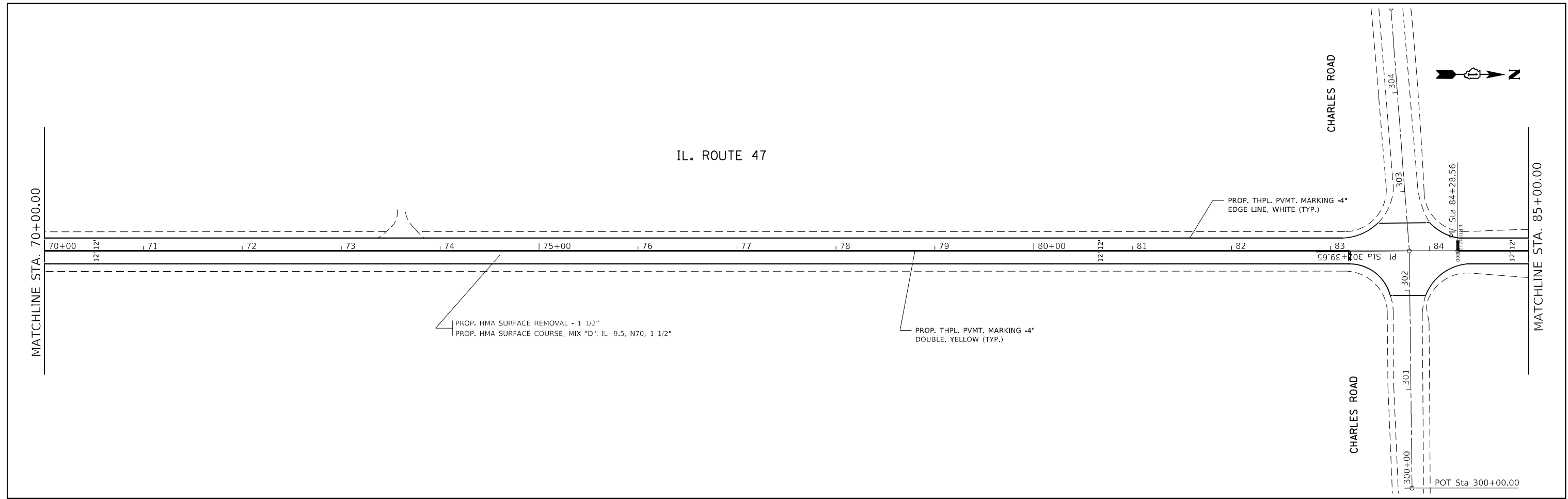
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**EXISTING AND PROPOSED ROADWAY PLAN**  
**IL. RTE. 47 FROM WARE RD. TO N. OF PRICE RD.**  
 SCALE: 1" = 50'    SHEET    OF    SHEETS    STA.    TO    STA.

F.A.P. RTE. 326	SECTION 2020-087-RS	COUNTY McHENRY	TOTAL SHEETS 33	SHEET NO. 8
CONTRACT NO. 62L65				
ILLINOIS FED. AID PROJECT				



MODEL: Default  
 FILE NAME: z:\work\barroom\dot\illinois\p\p\DOT\Documents\DOT\_Offices\District\_1\Projects\014862\014862\014862\014862\p\dot\barroom.dgn



**NOTE:**

1. INSTALLATION OF PAVEMENT MARKING SHOULD FOLLOW THE GUIDELINES OF THE DISTRICT ON DETAIL TC-13.
2. INSTALLATION OF RAISED REFLECTIVE PAVEMENT MARKERS SHOULD FOLLOW THE GUIDELINES OF THE DISTRICT ON DETAIL TC-11.

USER NAME = abebawa PLOT SCALE = 100.1614' / in. PLOT DATE = 3/18/2021	DESIGNED - DRAWN -	REVISED - REVISED -	<b>STATE OF ILLINOIS          DEPARTMENT OF TRANSPORTATION</b>	<b>EXISTING AND PROPOSED ROADWAY PLAN          IL. RTE. 47 FROM WARE RD. TO N. OF PRICE RD.</b>		F.A.P. RTE. 326	SECTION 2020-087-RS	COUNTY McHENRY	TOTAL SHEETS 33	SHEET NO. 9
	CHECKED - DATE -	REVISED - REVISED -		SCALE: 1" = 50' SHEET OF SHEETS STA. TO STA.	CONTRACT NO. 62L65		ILLINOIS FED. AID PROJECT			

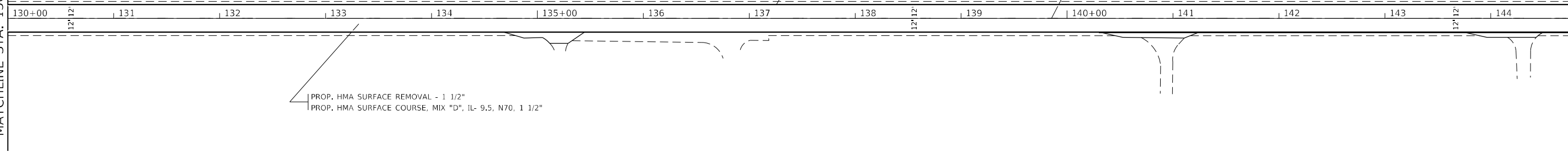




IL. ROUTE 47

MATCHLINE STA. 130+00.00

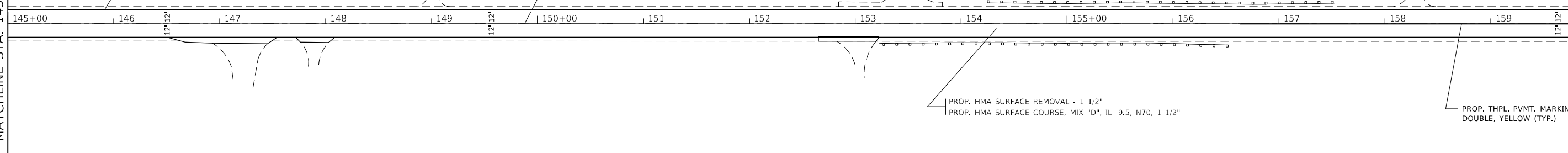
MATCHLINE STA. 145+00.00



IL. ROUTE 47

MATCHLINE STA. 145+00.00

MATCHLINE STA. 160+00.00



- NOTE:**
1. INSTALLATION OF PAVEMENT MARKING SHOULD FOLLOW THE GUIDELINES OF THE DISTRICT ON DETAIL TC-13.
  2. INSTALLATION OF RAISED REFLECTIVE PAVEMENT MARKERS SHOULD FOLLOW THE GUIDELINES OF THE DISTRICT ON DETAIL TC-11.

MODEL: Default  
FILE NAME: p:\w\lanroom\dot\illinois\pwr\p\DOT\Documents\DOT\_Offices\District: 1\Projects\ID:48620\CADD\Drawn\Design\ID:48620-sh-plan.dgn

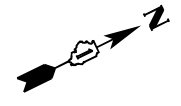
USER NAME = abebawa	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100,0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 3/18/2021	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

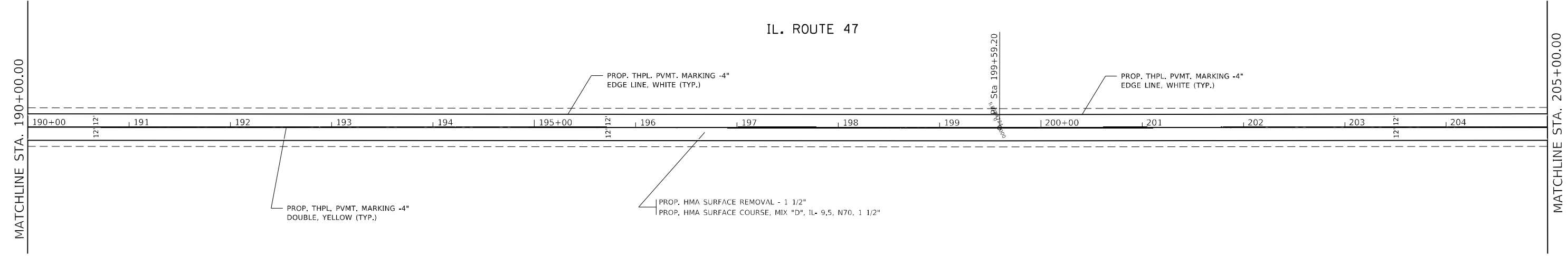
<b>EXISTING AND PROPOSED ROADWAY PLAN</b>			
<b>IL. RTE. 47 FROM WARE RD. TO N. OF PRICE RD.</b>			
SCALE: 1" = 50'	SHEET	OF	SHEETS
STA.	TO STA.		

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	2020-087-RS	McHENRY	33	11
CONTRACT NO. 62L65				
ILLINOIS FED. AID PROJECT				

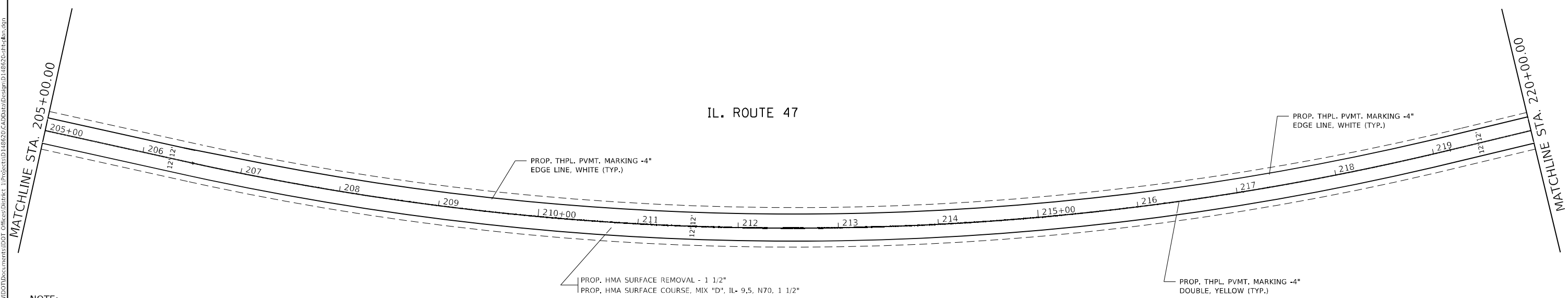




IL. ROUTE 47



IL. ROUTE 47



**NOTE:**  
 1. INSTALLATION OF PAVEMENT MARKING SHOULD FOLLOW THE GUIDELINES OF THE DISTRICT ON DETAIL TC-13.  
 2. INSTALLATION OF RAISED REFLECTIVE PAVEMENT MARKERS SHOULD FOLLOW THE GUIDELINES OF THE DISTRICT ON DETAIL TC-11.

MODEL: Ref: 47  
 FILE NAME: \\w:\pub\baroncom\_dot\illinois\_dot\illinois\_dot\projects\148620\CADD\Drawings\148620\c47-47b.dgn

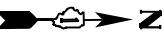
USER NAME = abebawa	DESIGNED -	REVISED -
PLOT SCALE = 99.9821' / in.	DRAWN -	REVISED -
PLOT DATE = 3/18/2021	CHECKED -	REVISED -
	DATE -	REVISED -

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

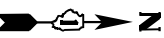
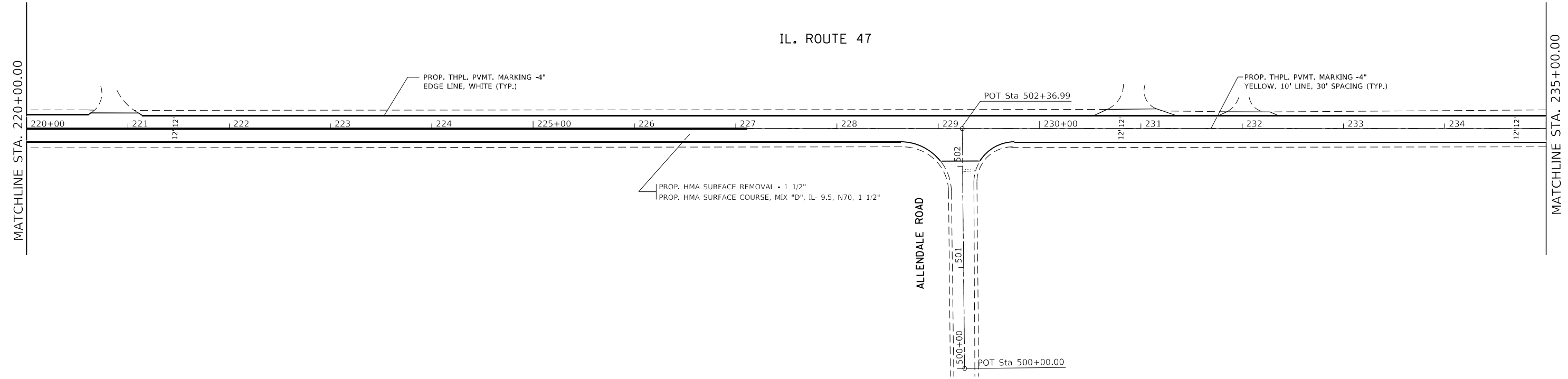
**EXISTING AND PROPOSED ROADWAY PLAN**  
**IL. RTE. 47 FROM WARE RD. TO N. OF PRICE RD.**

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

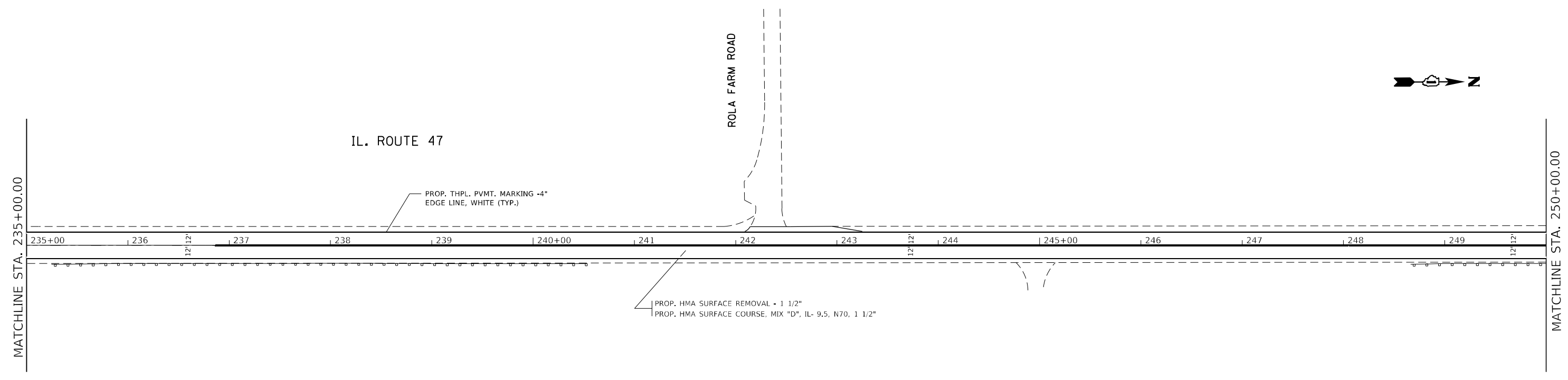
F.A.P. RTE. 326	SECTION 2020-087-RS	COUNTY MCHENRY	TOTAL SHEETS 33	SHEET NO. 13
CONTRACT NO. 62L65				
ILLINOIS FED. AID PROJECT				



IL. ROUTE 47



IL. ROUTE 47



- NOTE:**
1. INSTALLATION OF PAVEMENT MARKING SHOULD FOLLOW THE GUIDELINES OF THE DISTRICT ON DETAIL TC-13.
  2. INSTALLATION OF RAISED REFLECTIVE PAVEMENT MARKERS SHOULD FOLLOW THE GUIDELINES OF THE DISTRICT ON DETAIL TC-11.

MODEL: Default  
 FILE NAME: p:\data\mcoms\ca\illinois\pwr\pwr\DOT\Documents\IBDOT\_Offices\District 1\Projects\ID148620\CAD\Drawings\Design\ID148620-shp-plan.dgn

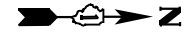
USER NAME = abebawa	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.0000 * / in.	CHECKED -	REVISED -
PLOT DATE = 3/18/2021	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**EXISTING AND PROPOSED ROADWAY PLAN**  
**IL. RTE. 47 FROM WARE RD. TO N. OF PRICE RD.**

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

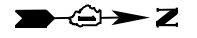
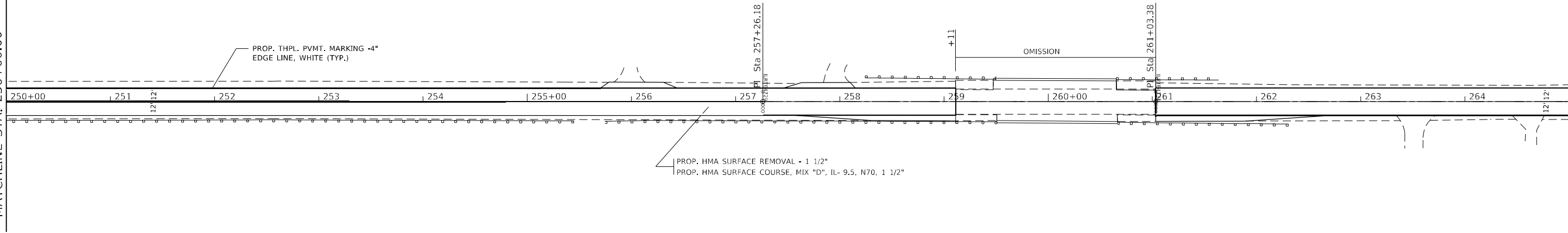
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	2020-087-RS	McHENRY	33	14
<b>CONTRACT NO. 62L65</b>				
ILLINOIS   FED. AID PROJECT				



IL. ROUTE 47

MATCHLINE STA. 250+00.00

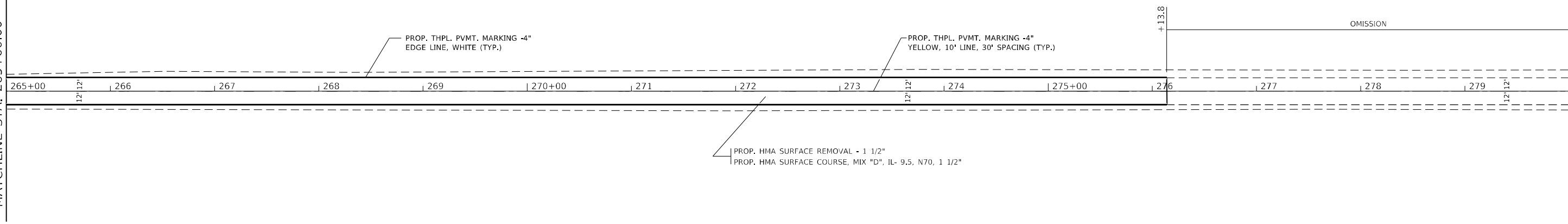
MATCHLINE STA. 265+00.00



IL. ROUTE 47

MATCHLINE STA. 265+00.00

MATCHLINE STA. 280+00.00



- NOTE:**
1. INSTALLATION OF PAVEMENT MARKING SHOULD FOLLOW THE GUIDELINES OF THE DISTRICT ON DETAIL TC-13.
  2. INSTALLATION OF RAISED REFLECTIVE PAVEMENT MARKERS SHOULD FOLLOW THE GUIDELINES OF THE DISTRICT ON DETAIL TC-11.

MODEL: Default  
FILE NAME: p:\workroom\coi\illinois\pwr\p\dot\documents\ibdt\_offices\blstric\_1\project\id148620\cad\data\design\id-148620-int-plan.dgn

USER NAME = abebawa	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 3/18/2021	DATE -	REVISED -

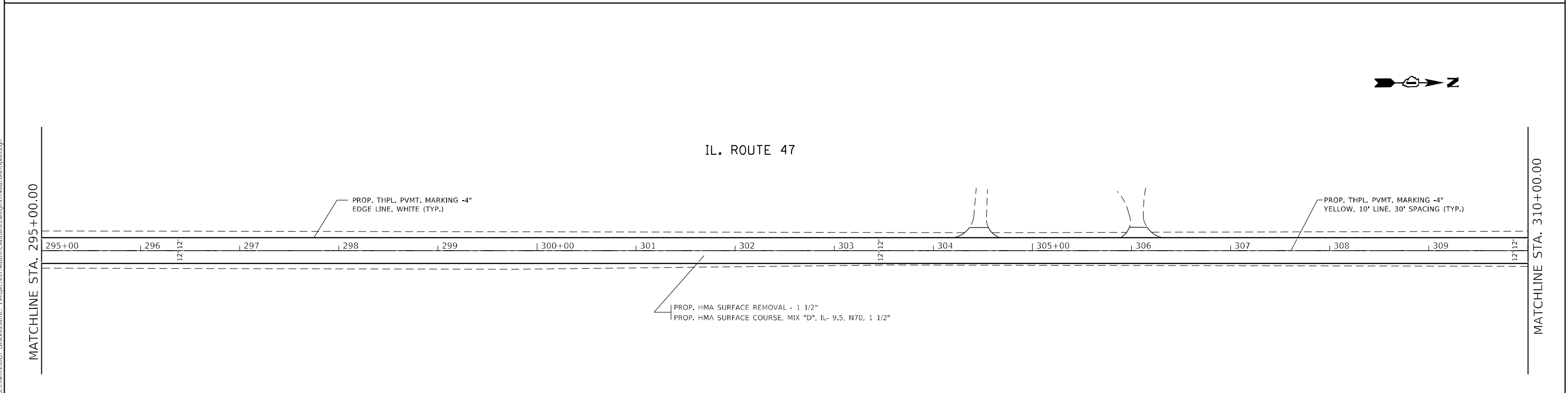
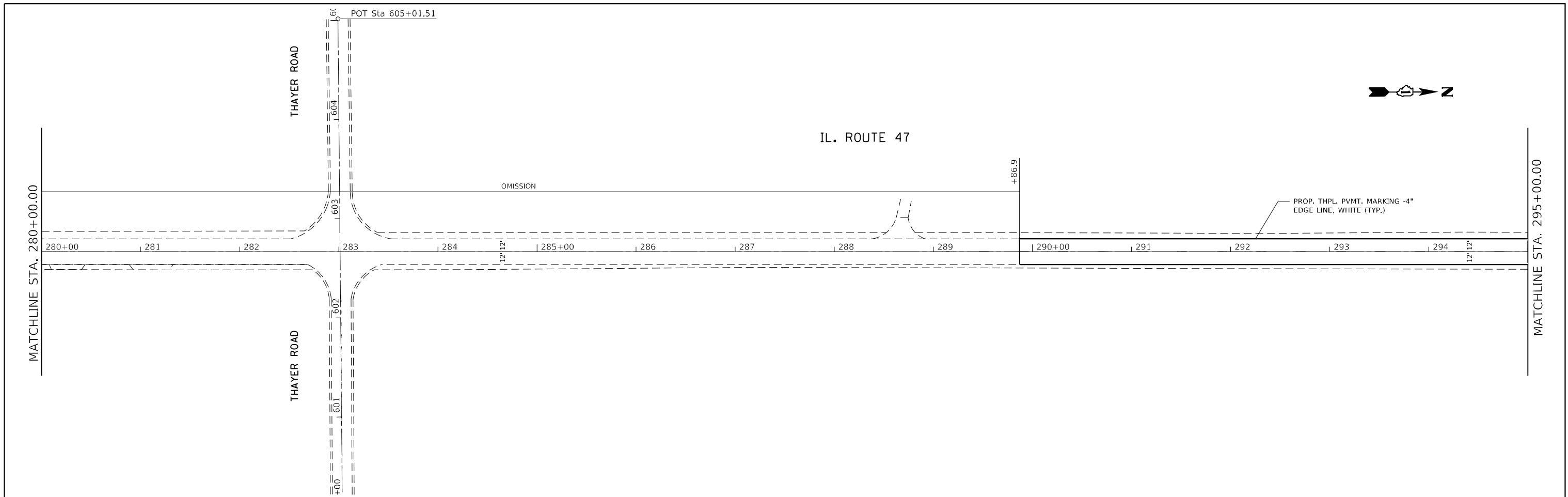
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**EXISTING AND PROPOSED ROADWAY PLAN  
IL. RTE. 47 FROM WARE RD. TO N. OF PRICE RD.**

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

F.A.P. RTE. 326	SECTION 2020-087-RS	COUNTY McHENRY	TOTAL SHEETS 33	SHEET NO. 15
CONTRACT NO. 62L65				
ILLINOIS FED. AID PROJECT				

MODEL: Defaulr  
 FILE NAME: p:\data\mroom\dot.illinois.gov\PWIDOT\Documents\IDOT\_Offices\District: 1\Projects\ID:48620\CADD\Design\ID:48620-sh1-plan.dgn



**NOTE:**  
 1. INSTALLATION OF PAVEMENT MARKING SHOULD FOLLOW THE GUIDELINES OF THE DISTRICT ON DETAIL TC-13.  
 2. INSTALLATION OF RAISED REFLECTIVE PAVEMENT MARKERS SHOULD FOLLOW THE GUIDELINES OF THE DISTRICT ON DETAIL TC-11.

USER NAME = abebawa	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100,0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 4/8/2021	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**EXISTING AND PROPOSED ROADWAY PLAN  
 IL. RTE. 47 FROM WARE RD. TO N. OF PRICE RD.**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	2020-087-RS	McHENRY	33	16
CONTRACT NO. 62L65				
ILLINOIS FED. AID PROJECT				

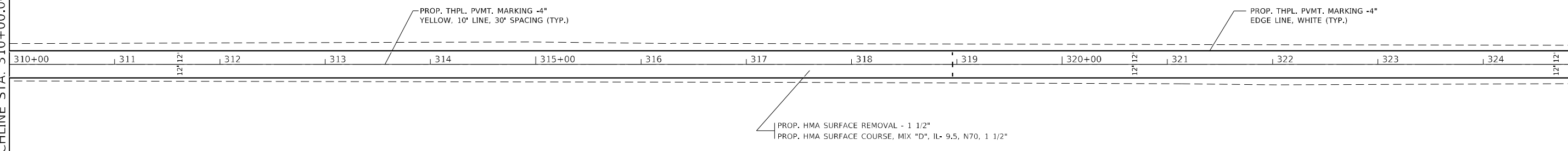




IL. ROUTE 47

MATCHLINE STA. 310+00.00

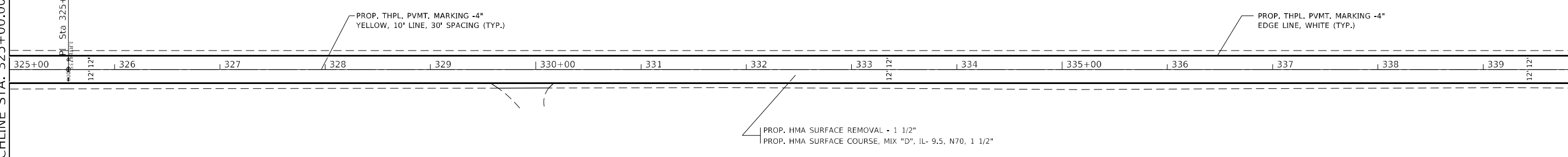
MATCHLINE STA. 325+00.00



IL. ROUTE 47

MATCHLINE STA. 325+00.00

MATCHLINE STA. 340+00.00



- NOTE:**
1. INSTALLATION OF PAVEMENT MARKING SHOULD FOLLOW THE GUIDELINES OF THE DISTRICT ON DETAIL TC-13.
  2. INSTALLATION OF RAISED REFLECTIVE PAVEMENT MARKERS SHOULD FOLLOW THE GUIDELINES OF THE DISTRICT ON DETAIL TC-11.

MODEL: Default  
FILE NAME: p:\b\h\rooms\dat\illinois\gov\p\w\dot\Documents\DOT Offices\District 1\Projects\ID:48620\CADD\3dm\Design\ID:48620-rht-plan.dgn

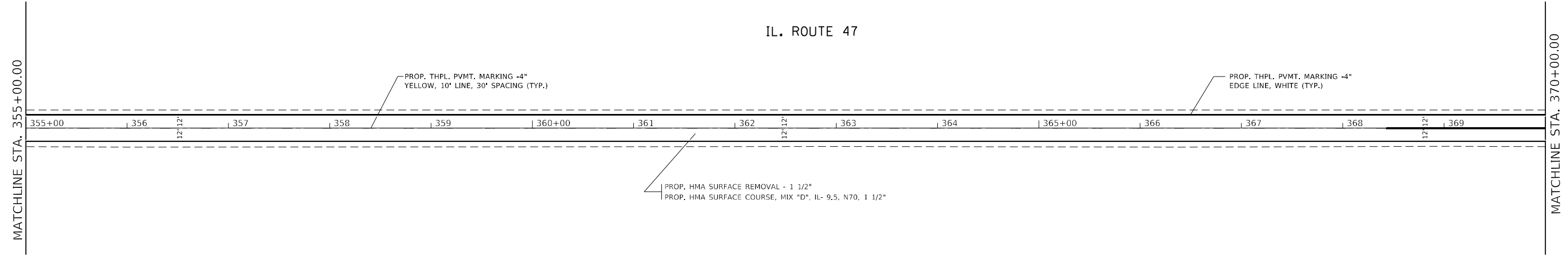
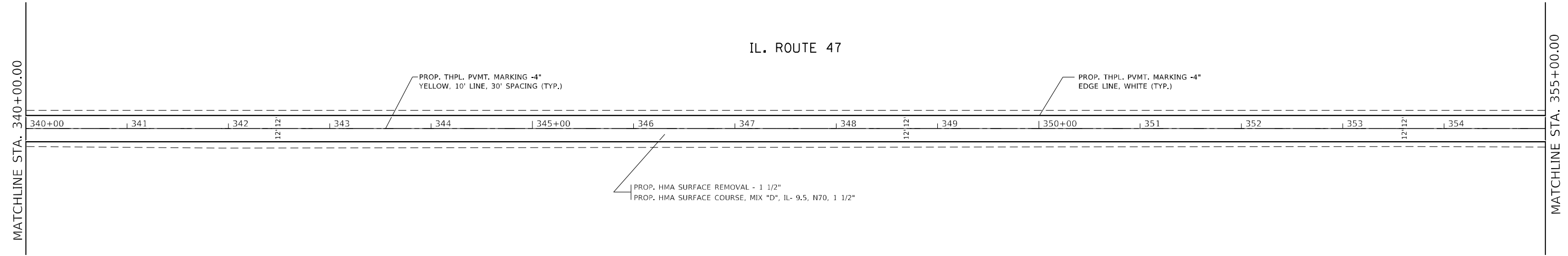
USER NAME = abebawa	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.0678' / in.	CHECKED -	REVISED -
PLOT DATE = 3/18/2021	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**EXISTING AND PROPOSED ROADWAY PLAN  
IL. RTE. 47 FROM WARE RD. TO N. OF PRICE RD.**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	2020-087-RS	McHENRY	33	17
CONTRACT NO. 62L65				
ILLINOIS FED. AID PROJECT				



**NOTE:**  
 1. INSTALLATION OF PAVEMENT MARKING SHOULD FOLLOW THE GUIDELINES OF THE DISTRICT ON DETAIL TC-13.  
 2. INSTALLATION OF RAISED REFLECTIVE PAVEMENT MARKERS SHOULD FOLLOW THE GUIDELINES OF THE DISTRICT ON DETAIL TC-11.

MODEL: Default  
 FILE NAME: g:\1\denroom\ed\illinois\gov\p\dot\Documents\1\DOT\_Offices\District\_1\Projects\148620\CADD\Drawings\148620-eh-jan.dgn

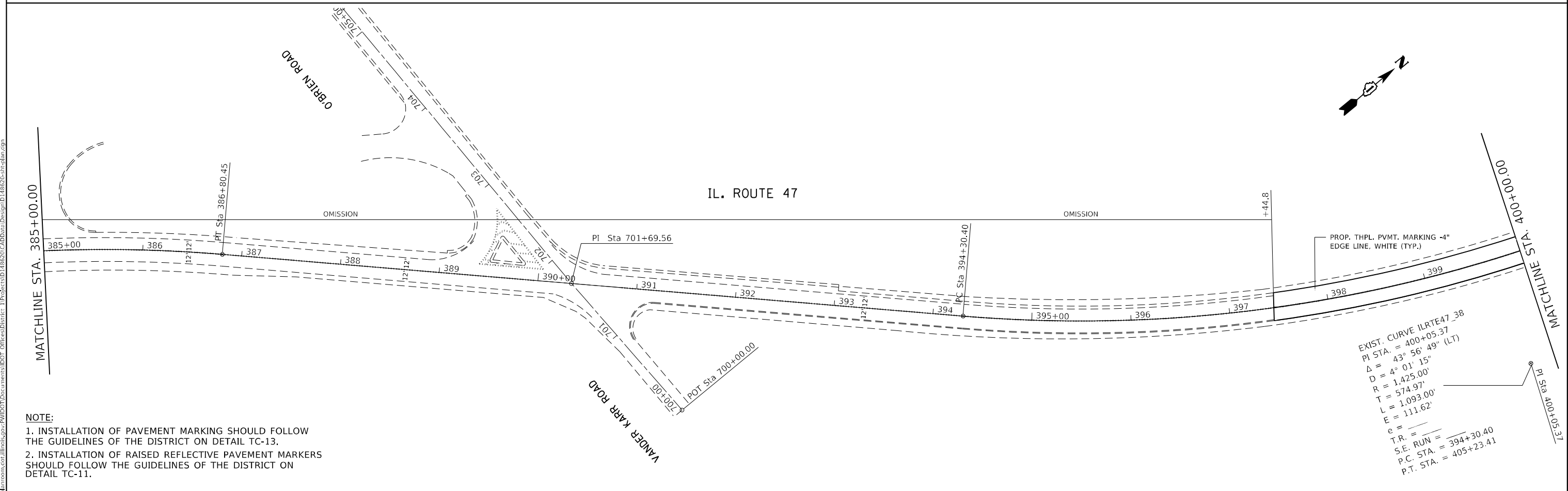
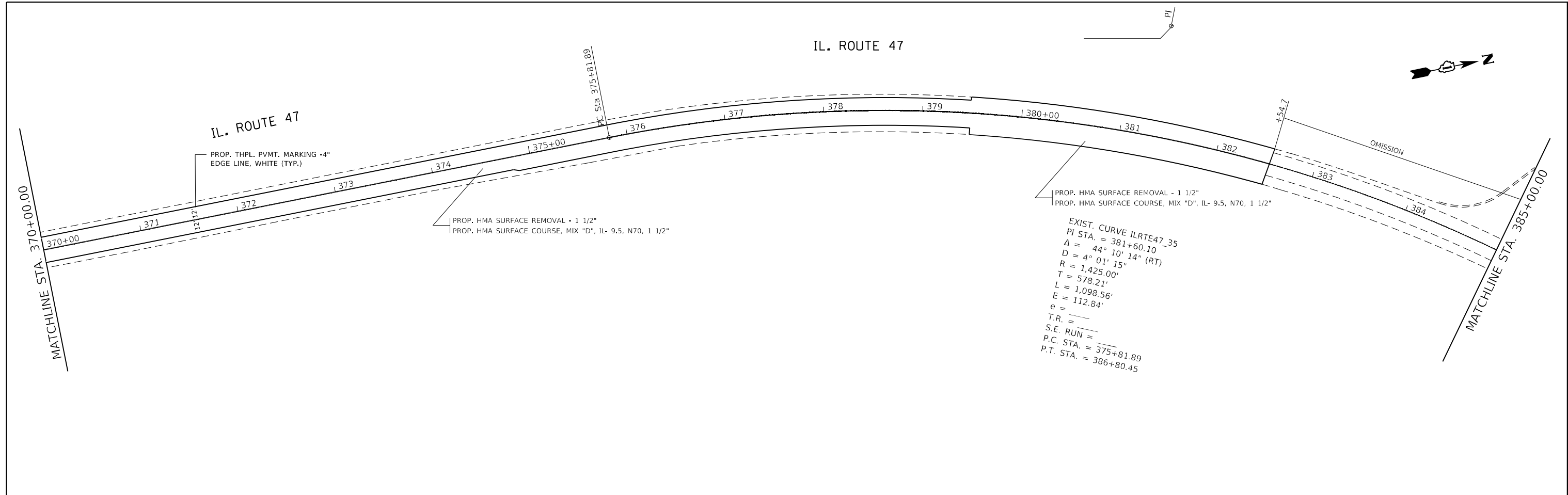
USER NAME = abebawa	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 3/18/2021	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**EXISTING AND PROPOSED ROADWAY PLAN  
IL RTE. 47 FROM WARE RD. TO N. OF PRICE RD.**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	2020-087-RS	McHENRY	33	18
CONTRACT NO. 62L65				
ILLINOIS   FED. AID PROJECT				



**NOTE:**  
 1. INSTALLATION OF PAVEMENT MARKING SHOULD FOLLOW THE GUIDELINES OF THE DISTRICT ON DETAIL TC-13.  
 2. INSTALLATION OF RAISED REFLECTIVE PAVEMENT MARKERS SHOULD FOLLOW THE GUIDELINES OF THE DISTRICT ON DETAIL TC-11.

MODEL: Default  
 FILE NAME: p:\cadd\mroom\con\illinois\pwr\p\DOT\Documents\DOT - Offices\District: 1\Projects\3D\48820\CADD\Drawn\Design\DI:48820-sit-plan.dgn

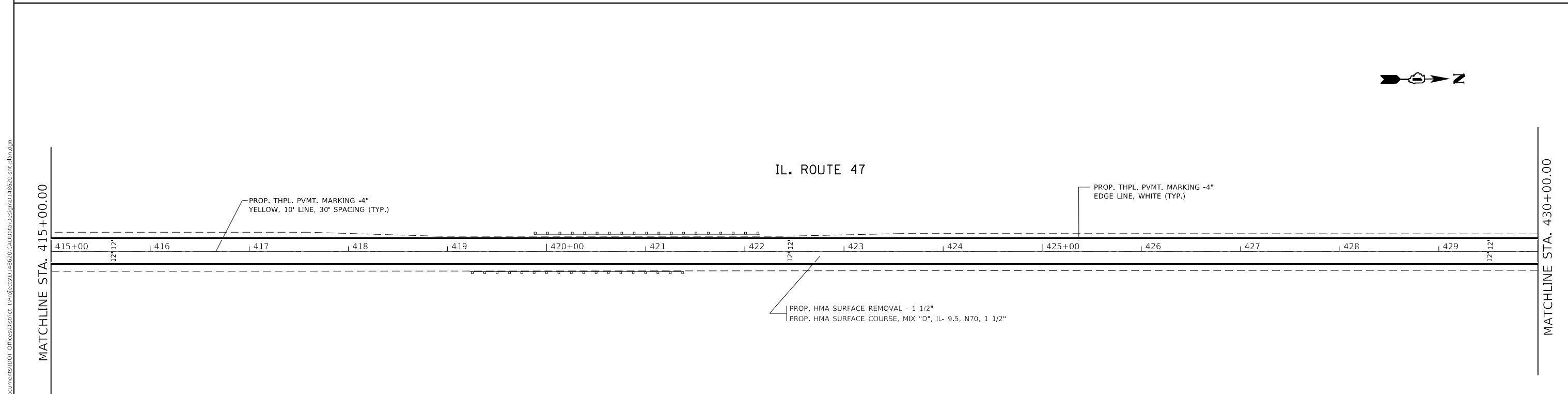
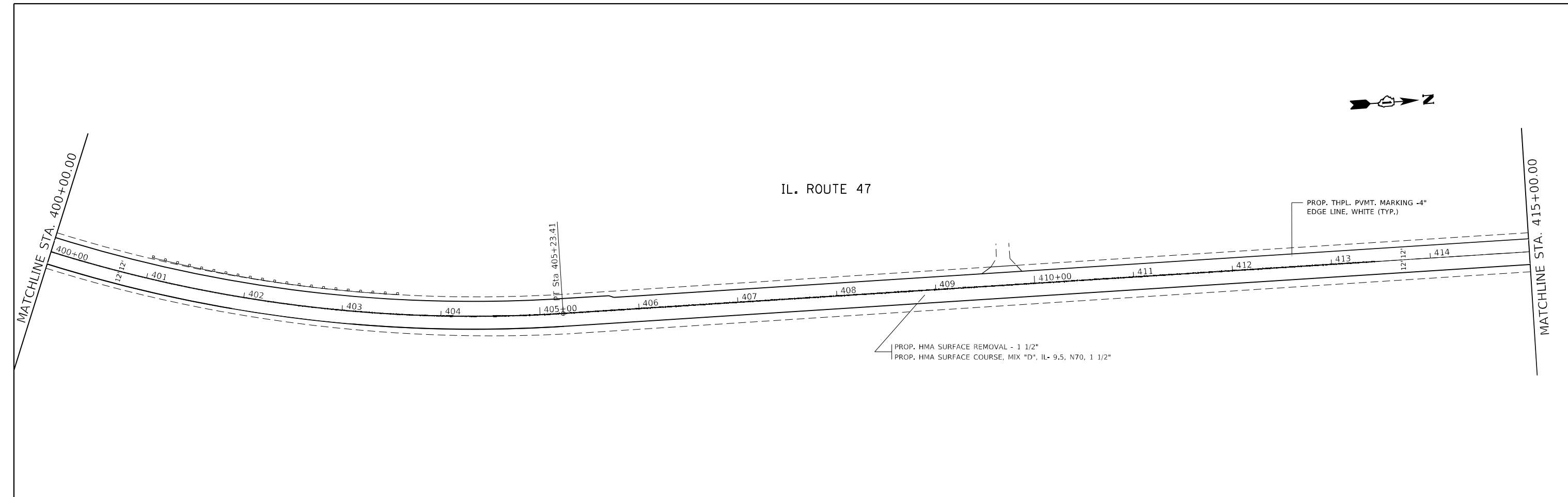
USER NAME = abebawa	DESIGNED -	REVISED -
PLOT SCALE = 100.0000' / 1 in.	DRAWN -	REVISED -
PLOT DATE = 4/8/2021	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**EXISTING AND PROPOSED ROADWAY PLAN  
 IL. RTE. 47 FROM WARE RD. TO N. OF PRICE RD.**

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

F.A.P. RTE. 326	SECTION 2020-087-RS	COUNTY McHENRY	TOTAL SHEETS 33	SHEET NO. 19
CONTRACT NO. 62L65				
ILLINOIS FED. AID PROJECT				



**NOTE:**  
 1. INSTALLATION OF PAVEMENT MARKING SHOULD FOLLOW THE GUIDELINES OF THE DISTRICT ON DETAIL TC-13.  
 2. INSTALLATION OF RAISED REFLECTIVE PAVEMENT MARKERS SHOULD FOLLOW THE GUIDELINES OF THE DISTRICT ON DETAIL TC-11.

MODEL: Default  
 FILE NAME: g:\y\denroom\dot\illinois\gov\pww\DOT\Documents\IBDOT\_Offices\District\_1\Projects\148620\CADD\Drawn\Design\148620-sh-Plan.dgn

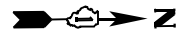
USER NAME = abebawa	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 3/19/2021	DATE -	REVISED -

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

**EXISTING AND PROPOSED ROADWAY PLAN**  
**IL. RTE. 47 FROM WARE RD. TO N. OF PRICE RD.**

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

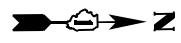
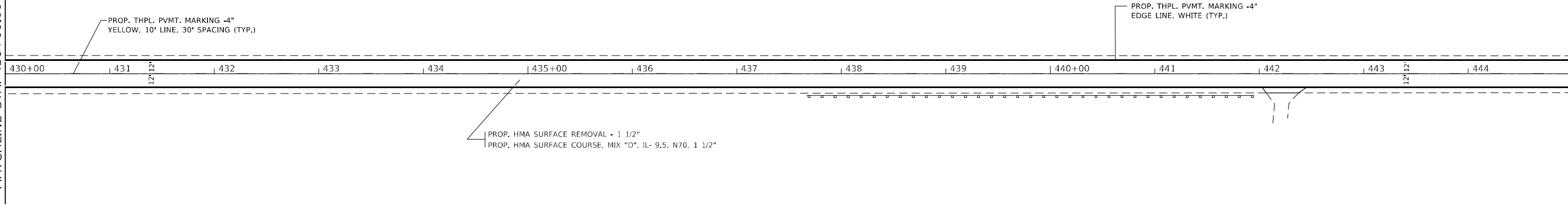
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	2020-087-RS	McHENRY	33	20
CONTRACT NO. 62L65				
ILLINOIS FED. AID PROJECT				



IL. ROUTE 47

MATCHLINE STA. 430+00.00

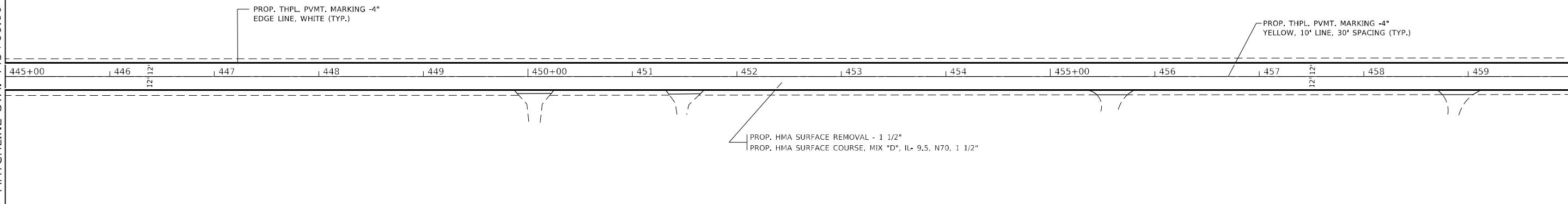
MATCHLINE STA. 445+00.00



IL. ROUTE 47

MATCHLINE STA. 445+00.00

MATCHLINE STA. 460+00.00



NOTE:

1. INSTALLATION OF PAVEMENT MARKING SHOULD FOLLOW THE GUIDELINES OF THE DISTRICT ON DETAIL TC-13.
2. INSTALLATION OF RAISED REFLECTIVE PAVEMENT MARKERS SHOULD FOLLOW THE GUIDELINES OF THE DISTRICT ON DETAIL TC-11.

MODEL: Default  
FILE NAME: P:\projects\118620\CADD\Drawings\118620-sht-1-plan.dwg

USER NAME = albebawa	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.0379' / in.	CHECKED -	REVISED -
PLOT DATE = 3/18/2021	DATE -	REVISED -

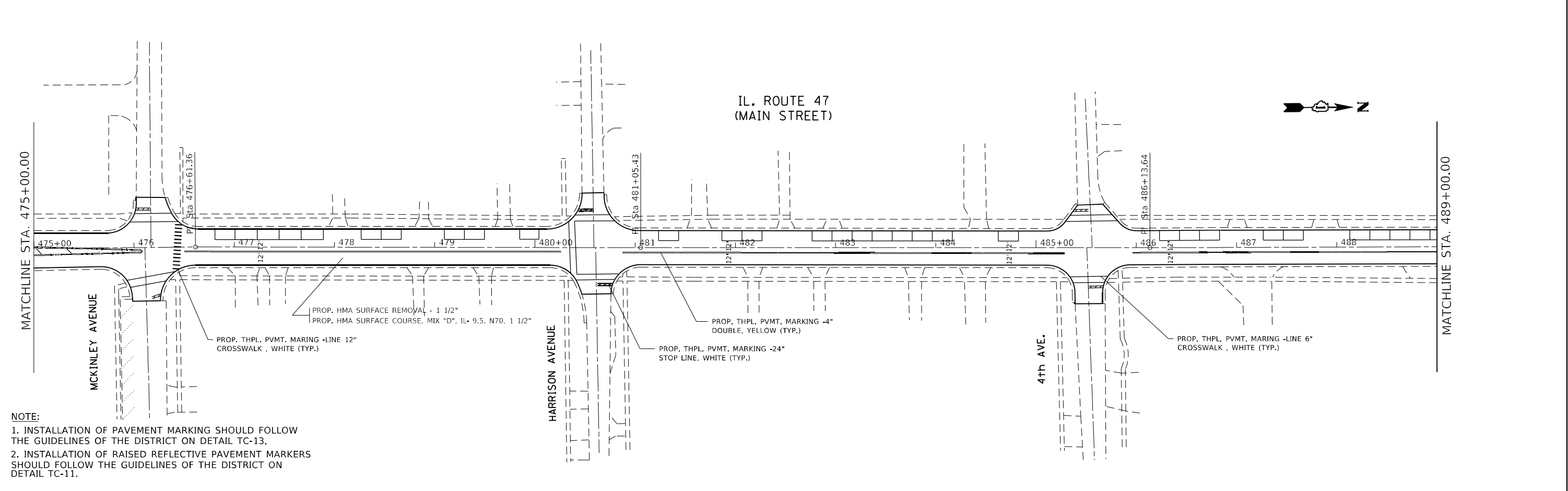
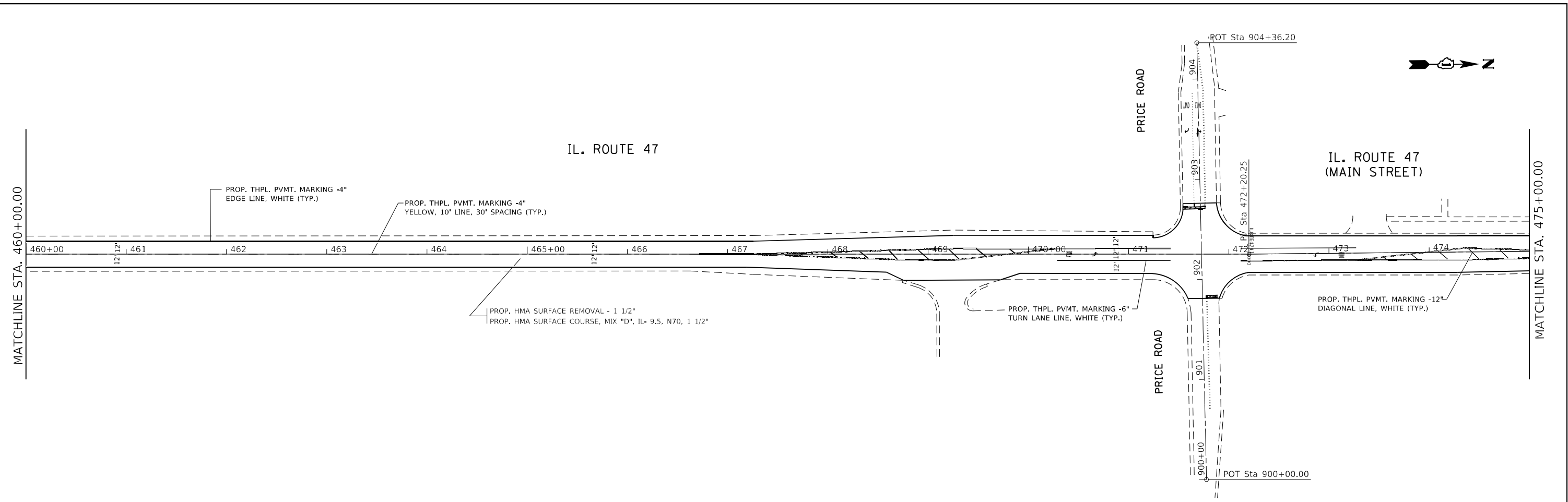
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

EXISTING AND PROPOSED ROADWAY PLAN  
IL. RTE. 47 FROM WARE RD. TO N. OF PRICE RD.

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	2020-087-RS	McHENRY	33	21
CONTRACT NO. 62L65				
ILLINOIS FED. AID PROJECT				

MODEL: Default  
 FILE NAME: p:\work\mcm\001\illinois\pwr\DOT\Documents\IBDOT\_Offices\District 11\Project\USD\48620\CADD\Drawings\Design\48620-sr-plan.dgn



**NOTE:**  
 1. INSTALLATION OF PAVEMENT MARKING SHOULD FOLLOW THE GUIDELINES OF THE DISTRICT ON DETAIL TC-13.  
 2. INSTALLATION OF RAISED REFLECTIVE PAVEMENT MARKERS SHOULD FOLLOW THE GUIDELINES OF THE DISTRICT ON DETAIL TC-11.

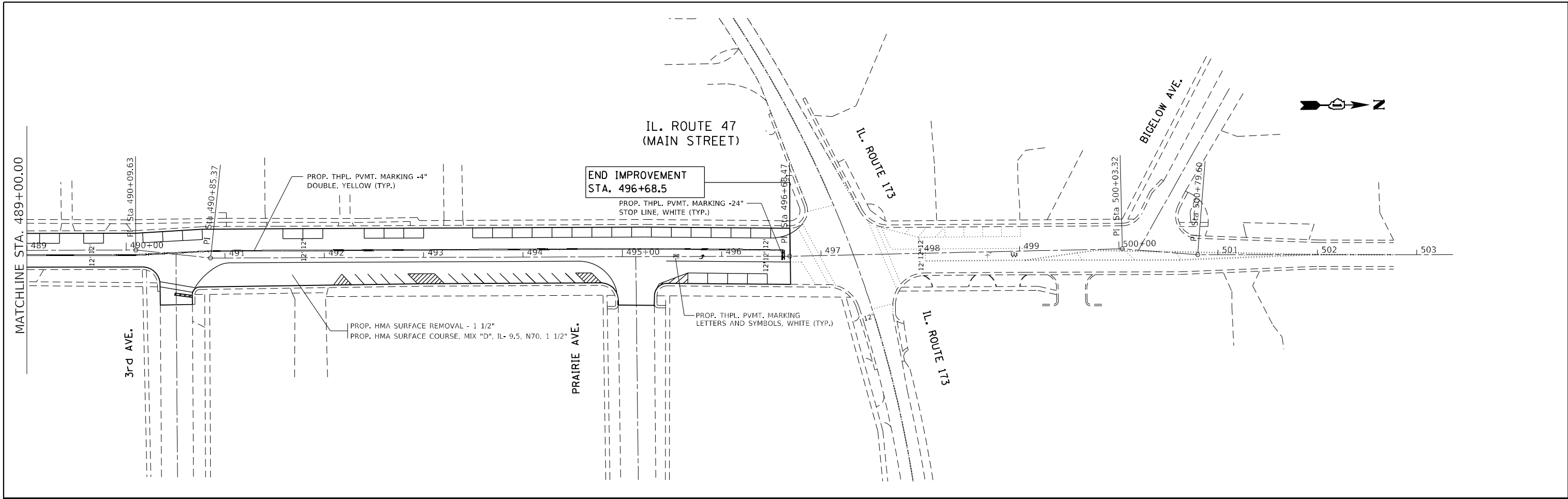
USER NAME = abeoawa	DESIGNED -	REVISED -
PLOT SCALE = 100.0000 * / in.	DRAWN -	REVISED -
PLOT DATE = 4/8/2021	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**EXISTING AND PROPOSED ROADWAY PLAN  
 IL RTE. 47 FROM WARE RD. TO N. OF PRICE RD.**

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

F.A.P. RTE. 326	SECTION 2020-087-RS	COUNTY MCHENRY	TOTAL SHEETS 33	SHEET NO. 22
CONTRACT NO. 62L65				
ILLINOIS FED. AID PROJECT				



MODEL: Default  
 FILE NAME: g:\hdmroom\ent\illinois\pwr\pwidot\Documents\IDOT\_Offices\District\_1\Projects\ID48620\CADD\dm\Design\ID48620-shr-plan.dgn

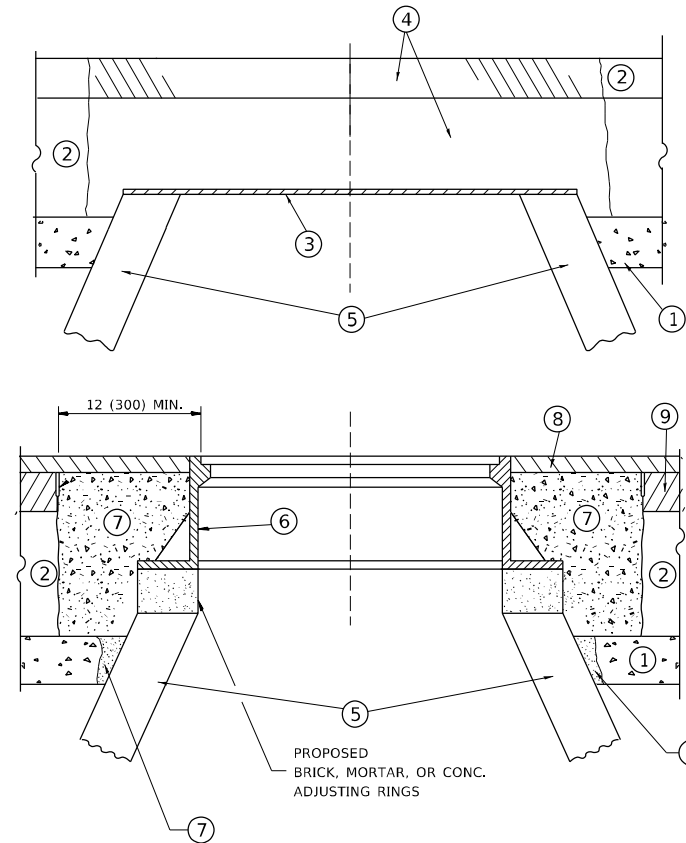
USER NAME = abebawa	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 3/18/2021	DATE -	REVISED -

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

**EXISTING AND PROPOSED ROADWAY PLAN**  
**IL. RTE. 47 FROM WARE RD. TO N. OF PRICE RD.**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	2020-087-RS	MCHEMRY	33	23
CONTRACT NO. 62L65			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 1½ (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

MODEL: Default  
 FILE NAME: p:\mhammon.dwt\illinois.gov\PIWIDOT\Documents\IBOT\_Office\Drawings\1\Project\ID148620\CADDData\Design\DIS-516.dgn

USER NAME = abebawa	DESIGNED - R. SHAH	REVISED - R. WEDEMAN 05-14-04
	DRAWN -	REVISED - R. BORO 01-01-07
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED - R. BORO 03-09-11
PLOT DATE = 3/18/2021	DATE - 10-25-94	REVISED - R. BORO 12-06-11

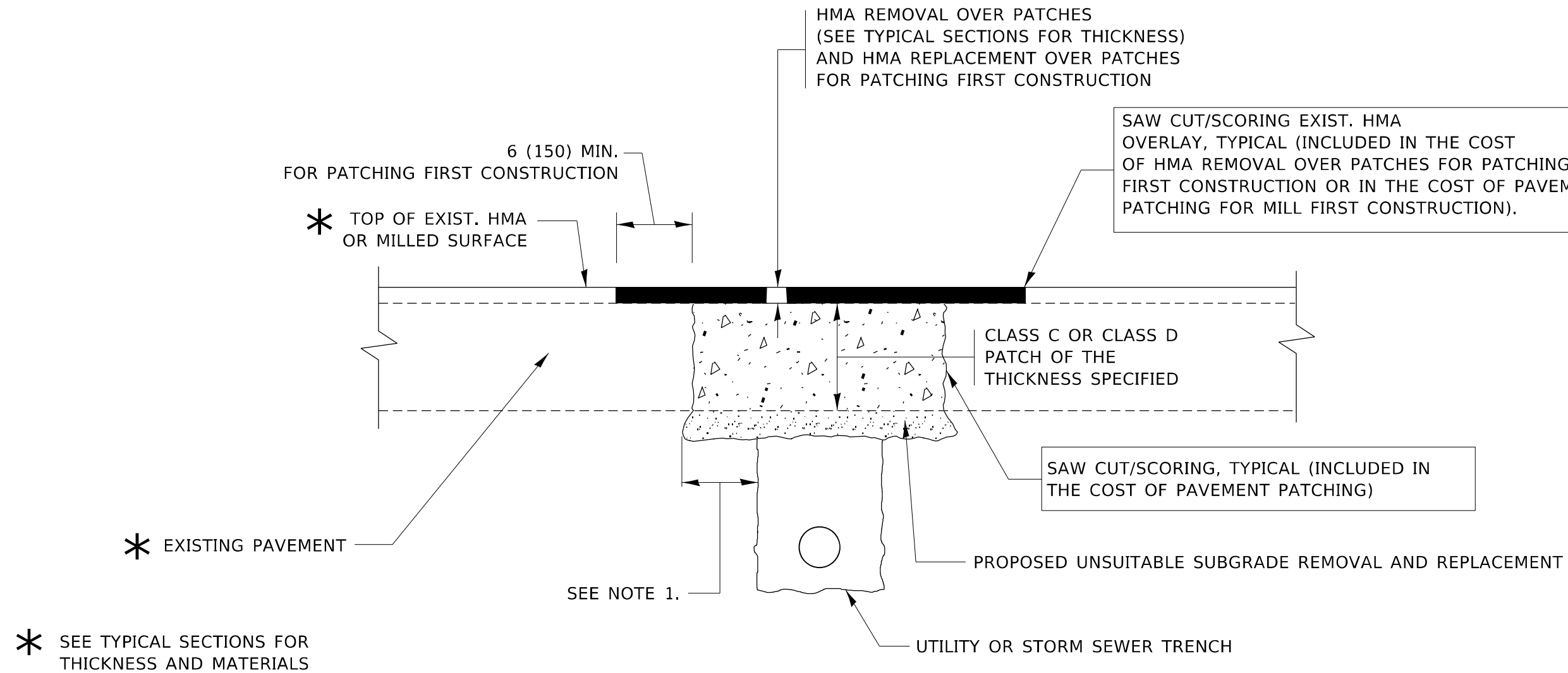
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

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

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	2020-087-RS	MCHENRY	33	24
<b>BD600-03 (BD-8)</b>			CONTRACT NO. 62L65	
ILLINOIS		FED. AID PROJECT		





**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 4½ 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.

MODEL: Default  
FILE NAME: p:\mchroom\dot\illinois\dot\Documents\DOT\_Offices\Bates\1\Project\148620\CADD\Design\Design\DESIGN.dgn

USER NAME = abebawa	DESIGNED - R. SHAH	REVISED - A. ABBAS 04-27-98
	DRAWN -	REVISED - R. BORO 01-01-07
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED - R. BORO 09-04-07
PLOT DATE = 3/18/2021	DATE - 10-25-94	REVISED - K. ENG 10-27-08

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

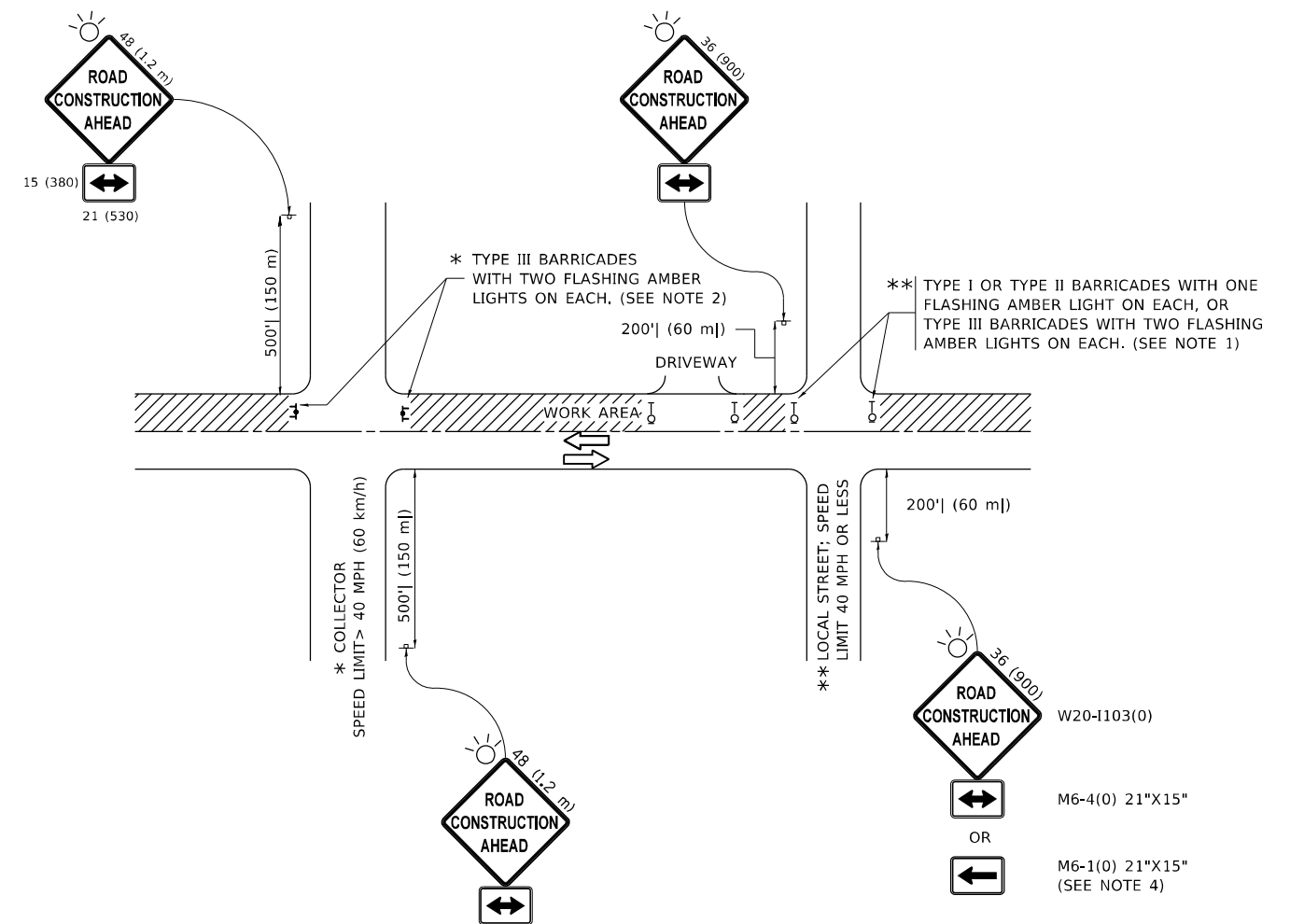
PAVEMENT PATCHING FOR  
HMA SURFACED PAVEMENT

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	2020-087-R5	MCHENRY	33	25
BD400-04 (BD-22)			CONTRACT NO. 62L65	
ILLINOIS FED. AID PROJECT				







**NOTES:**

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

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

MODEL: Default  
 FILE NAME: p:\m\m\room\dot\illinois\gov\p\w\dot\Documents\DOT\_Offices\Distrefc\_1\Project\ID14862\0\CaddData\Design\Dis5td.dgn

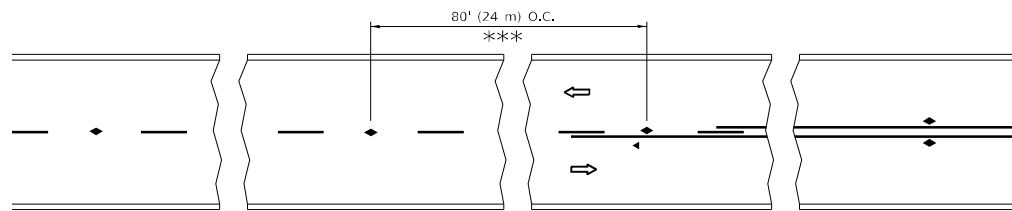
USER NAME = abebawa	DESIGNED - L.H.A.	REVISED - A. HOUSEH 10-15-96
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED - T. RAMMACHER 01-06-00
PLOT DATE = 3/18/2021	DATE - 06-89	REVISED - A. SCHUETZE 07-01-13
		REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

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

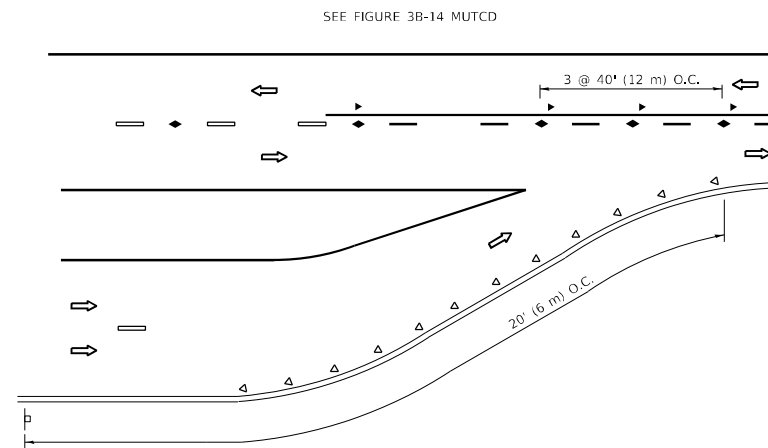
SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	2020-087-RS	MCHENRY	33	28
<b>TC-10</b>			CONTRACT NO. 62L65	
ILLINOIS FED. AID PROJECT				

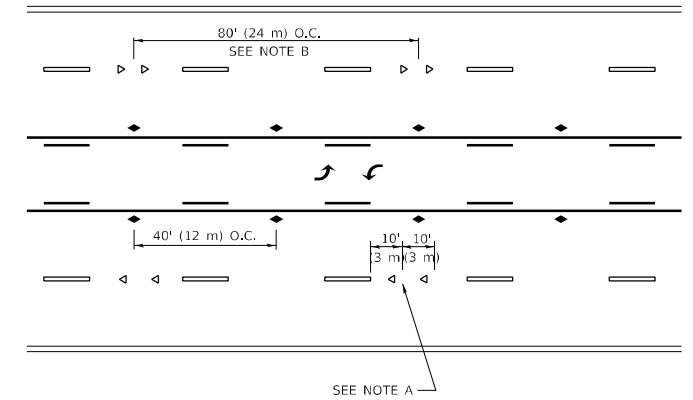


\*\*\* REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

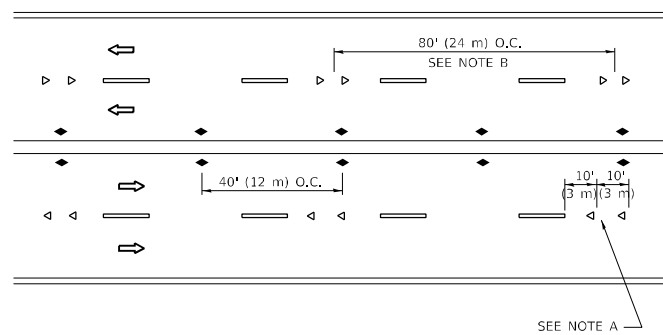
**TWO-LANE/TWO-WAY**



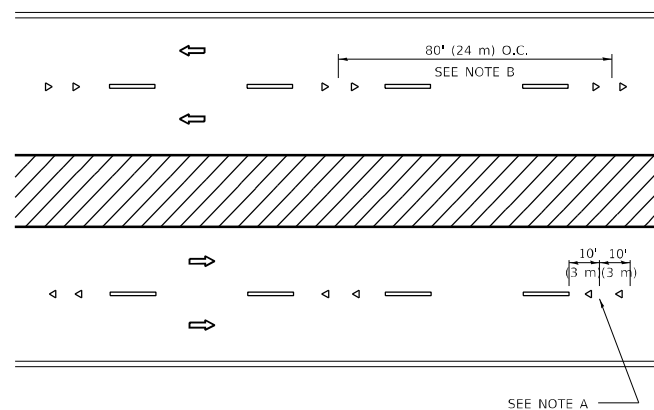
**LANE REDUCTION TRANSITION**



**TWO-WAY LEFT TURN**



**MULTI-LANE/UNDIVIDED**



**MULTI-LANE/DIVIDED**

**GENERAL NOTES**

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

**SYMBOLS**

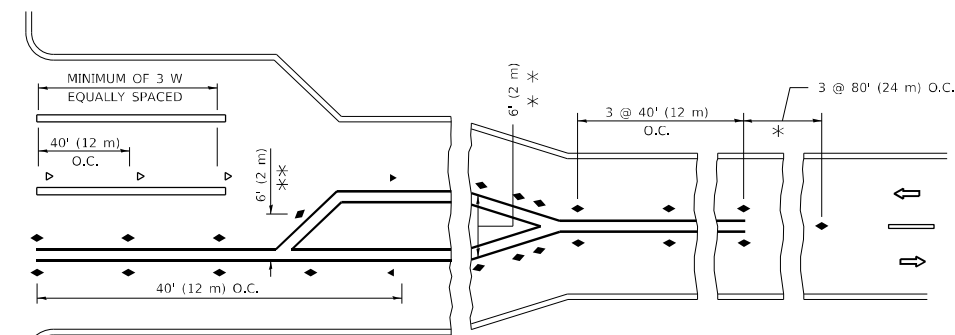
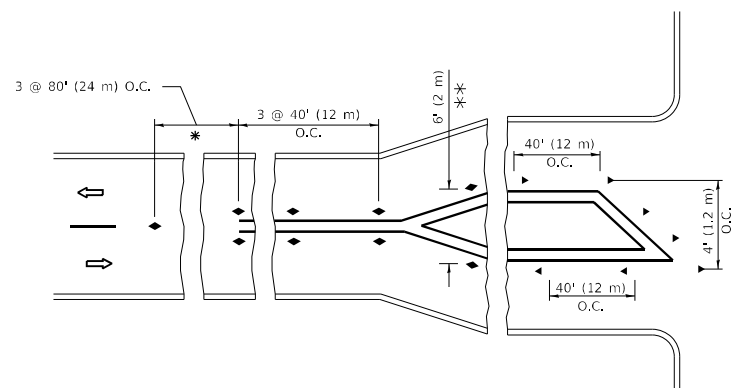
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◀ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

**LANE MARKER NOTES**

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

**DESIGN NOTES**

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



**TURN LANES**

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

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

MODEL: Default  
 FILE NAME: p:\pub\mcrroom.dwg  
 PROJECT: 2020-087-RS  
 PROJECT DATE: 3/18/2021  
 USER: abebawa  
 PLOT DATE: 3/18/2021

USER NAME = abebawa	DESIGNED -	REVISED - T. RAMMACHER 03-12-99
PLOT SCALE = 100,0000' / in.	DRAWN -	REVISED - T. RAMMACHER 01-06-00
PLOT DATE = 3/18/2021	CHECKED -	REVISED - C. JUCIUS 09-09-09
	DATE -	REVISED - C. JUCIUS 07-01-13

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

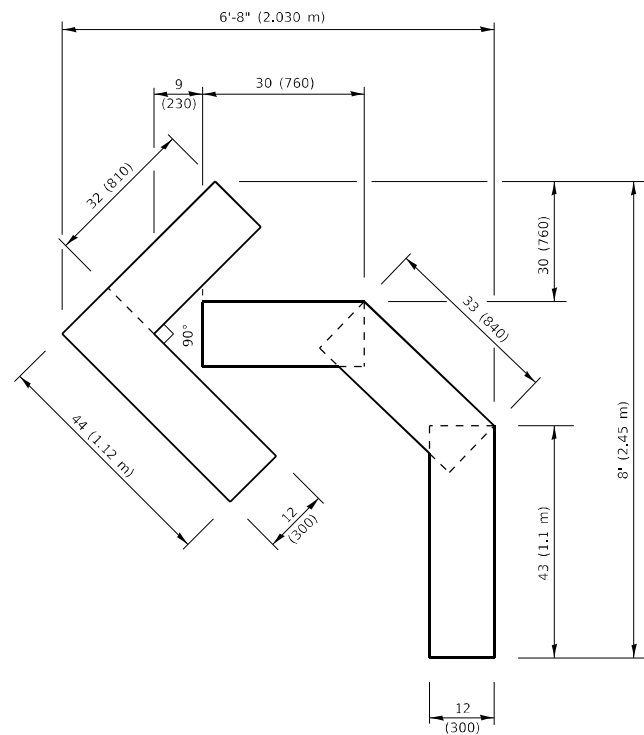
**TYPICAL APPLICATIONS  
 RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	2020-087-RS	MCHENRY	33	29
TC-11		CONTRACT NO. 62L65		
ILLINOIS		FED. AID PROJECT		

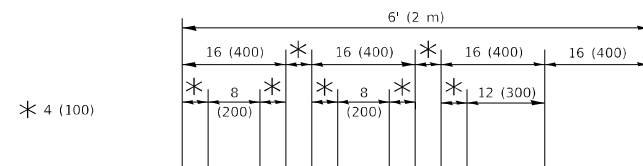






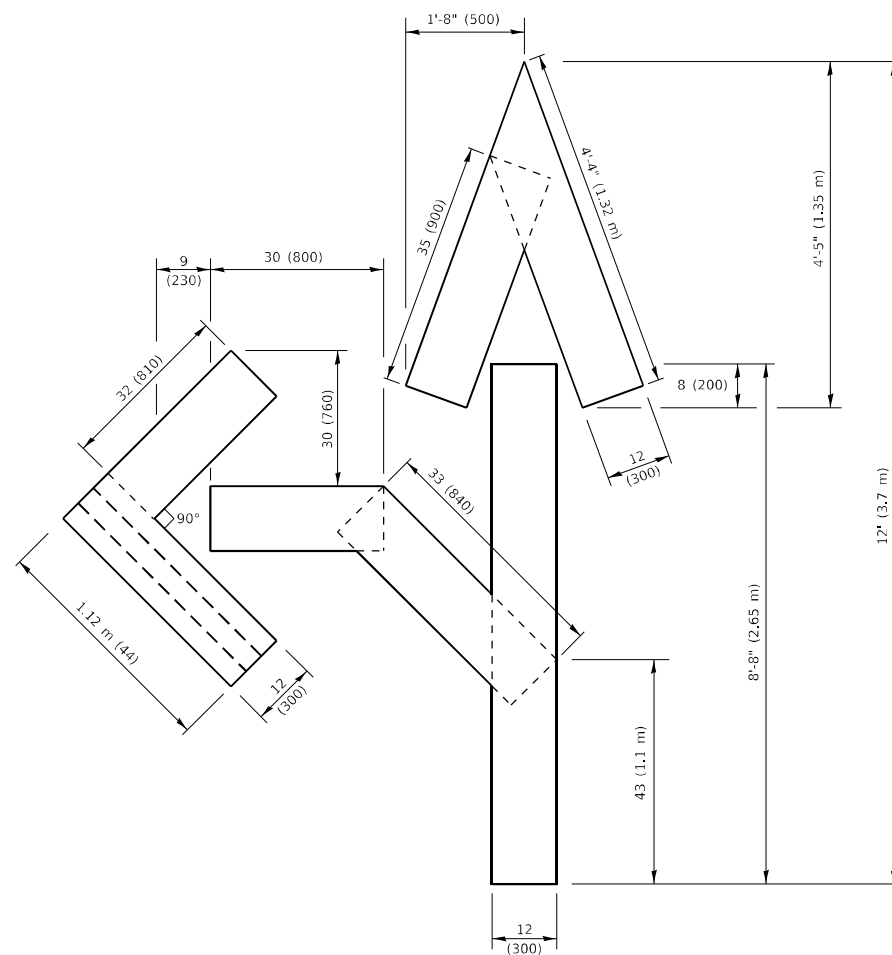
**QUANTITY**

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)

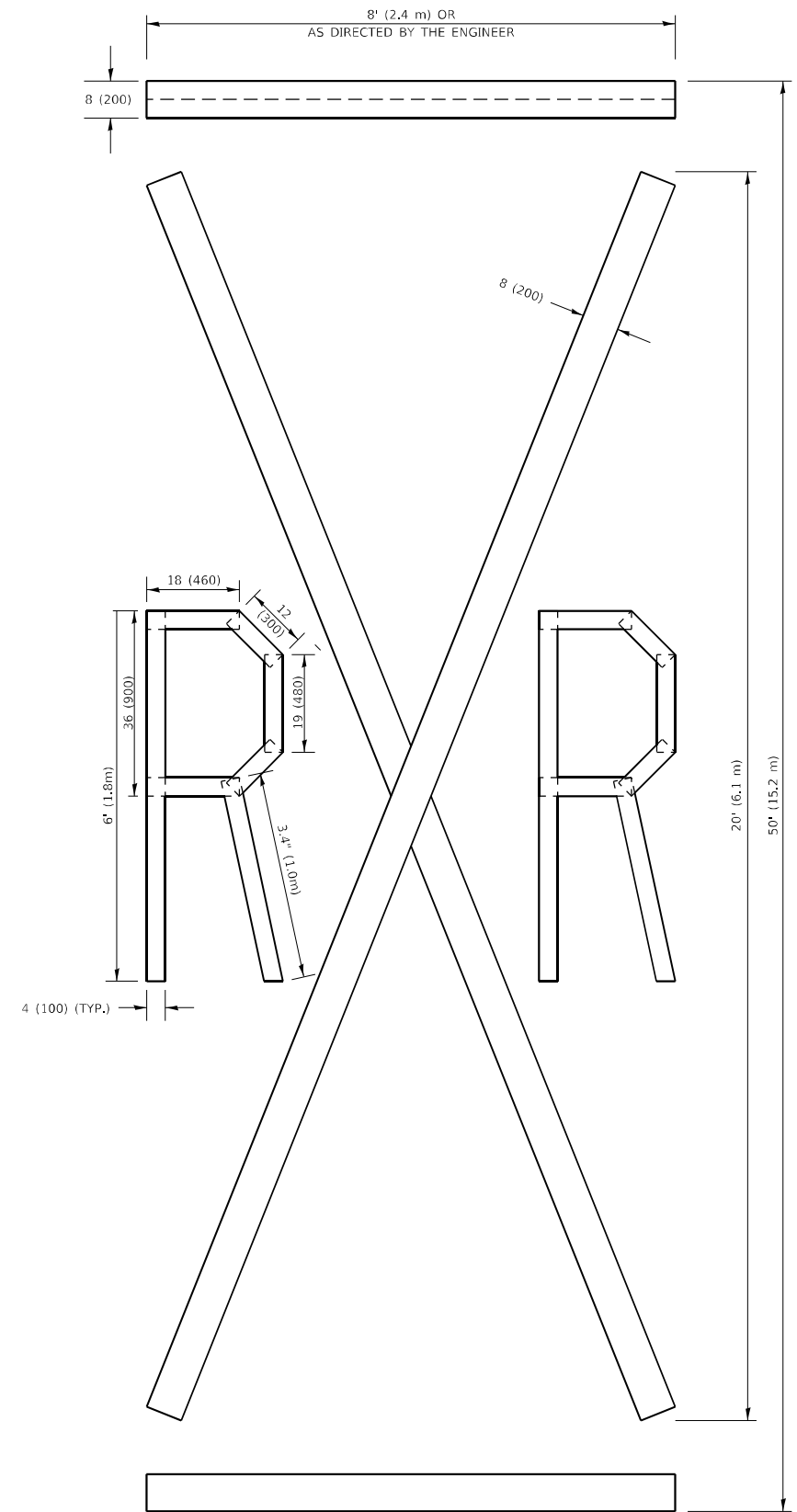


**QUANTITY**

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.

MODEL: Default  
FILE NAME: P:\pub\barcom\_dot\Illinois\gov\PI\DOT\Documents\DOT\_Offices\District 1\Projects\CD14862\CD00\data\Design\DRS54.dwg

USER NAME = abebawa	DESIGNED -	REVISED - T. RAMMACHER 03-02-98
	DRAWN -	REVISED - E. GOMEZ 08-28-00
PLOT SCALE = 100,0010 ' / in.	CHECKED -	REVISED - E. GOMEZ 08-28-00
PLOT DATE = 3/18/2021	DATE - 09-18-94	REVISED - A. SCHUETZE 09-15-16

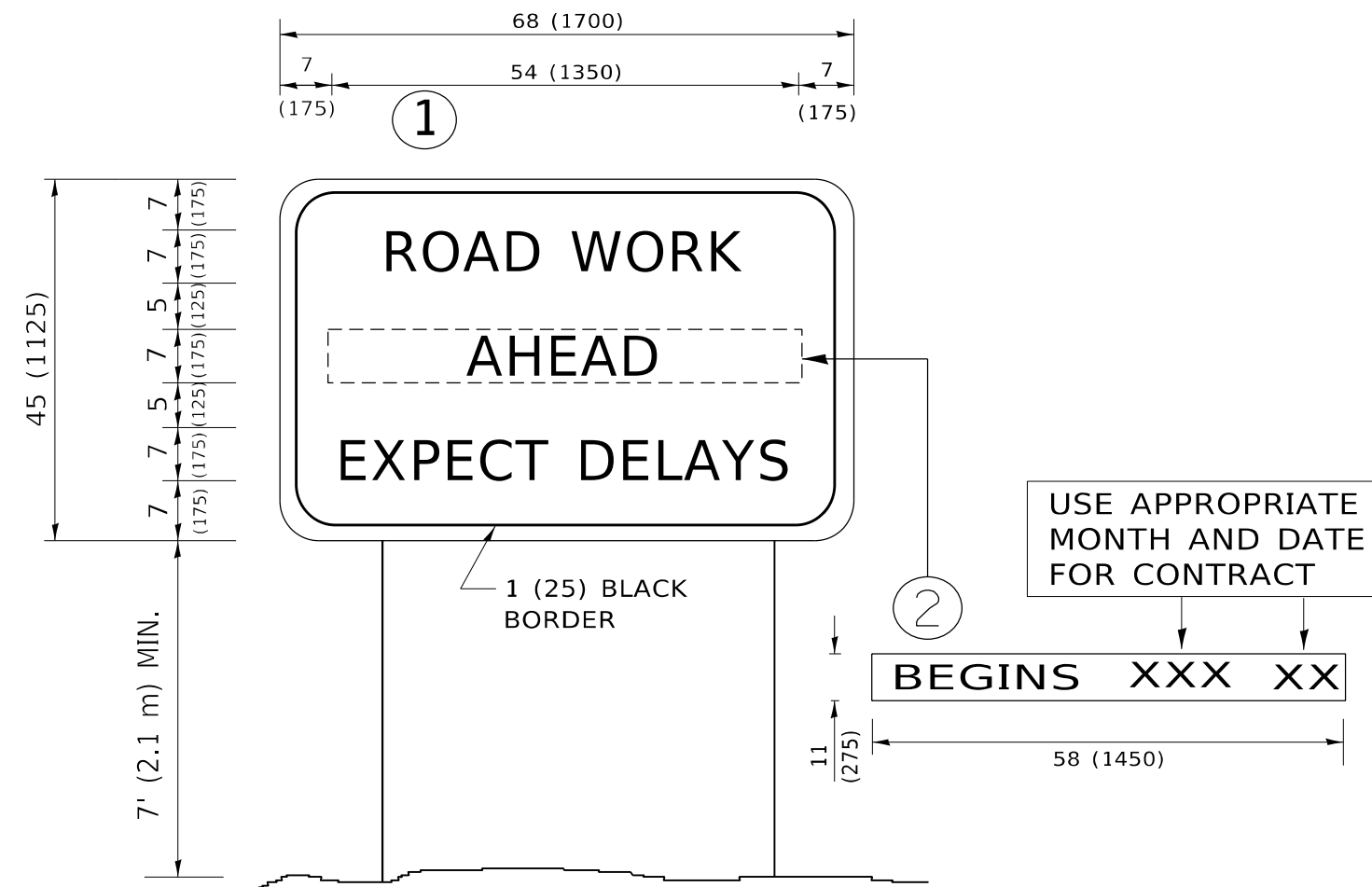
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	2020-087-R5	MCHENRY	33	32
<b>TC-16</b>			CONTRACT NO. 62L65	
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.

MODEL: Default  
 FILE NAME: p:\pub\mroom.dwt\illinois.gov\PWIDOT\Documents\DOT\_Office\Design\1\Project\148620\CADD\Design\Design\148620.dgn

USER NAME = abebawa	DESIGNED -	REVISED - R. MIRS 09-15-97
	DRAWN -	REVISED - R. MIRS 12-11-97
PLOT SCALE = 100,0000 ' / in.	CHECKED -	REVISED - T. RAMMACHER 02-02-99
PLOT DATE = 3/18/2021	DATE -	REVISED - C. JUCIUS 01-31-07

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ARTERIAL ROAD  
INFORMATION SIGN**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	2020-087-R5	MCHENRY	33	33
<b>TC-22</b>			CONTRACT NO. 62L65	
ILLINOIS FED. AID PROJECT				