FOR INDEX OF SHEETS, SEE SHEET NO. 2

**DESIGN DESIGNATION:** 

FAU ROUTE 1320: IL RTE 58

IMPROVEMENT LOCATED IN

THE VILLAGE OF HOFFMAN ESTATES

MINOR ARTERIAL

2021 ADT: 11.500 SPEED LIMIT: 50 MPH STATE OF ILLINOIS

**DEPARTMENT OF TRANSPORTATION** 

# **PROPOSED HIGHWAY PLANS**

FAU ROUTE 1320: IL RTE 58 (GOLF ROAD)

AT POPLAR CREEK TRIBUTARY **SECTION 2021-070-CR** FEDERAL PROJECT NUMBER STP-90YV(615) **CULVERT EXTENSION** 

C-91-202-21

**COOK COUNTY** 

**HANOVER TOWNSHIP** R9E - 3RD PM WINDING TRAILS PROJECT ENDS 443 + 68PROJECT BEGINS 438 + 16**STRUCTURE NO. 016-7945** IMPROVEMENT LIMITS STA. 440 + 54 TO STA. 441 + 35

> LOCATION MAP (NOT TO SCALE) GROSS LENGTH = 552 FT = 0.105 MILE NET LENGTH = 81 FT = 0.015 MILE

10 S. LaSalle Street, Suite 2110 Chicago, Illinols 60603 312-614-0360

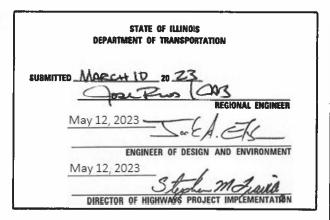
COUNTY TOTAL SHEETS NO.
COOK 34 1 2021-070-CR

# D-91-166-21

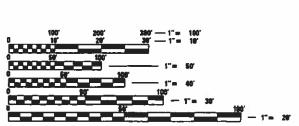


3.7.2023

DATE SIGNED: 03-07-23 EXP. DATE: 11-30-23 SHEETS: 1-18, 27-34



PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS



ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES, IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

JOINT UTILITY LOCATION INFORMATION FOR EXCAVATORS 1-800-892-0123 OR #11

PROJECT ENGINEER: MR. PRAVEEN KAINI, PE (847) 705-4237 PROJECT MANAGER: MR. J. ALAIN MIDY, PE (847) 221-3056

CONTRACT NO. 62P08

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#### **INDEX OF SHEETS**

SHEET NO.	DESCRIPTION
1	COVER SHEET
2	INDEX OF SHEETS, STATE HIGHWAY STANDARDS, AND GENERAL NOTES
3 <b>-</b> 5	SUMMARY OF QUANTITIES
6	TYPICAL SECTIONS AND DETAILS
7	ALIGNMENT, TIES, AND BENCHMARKS
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14-15	EROSION CONTROL PLAN
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17	LANDSCAPING PLAN
18	GRADING PLAN
19-26	STRUCTURAL PLANS
27	BD-55 RUMBLE STRIPS FOR CENTERLINE, NON-FREEWAY
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34	TC-26 DRIVEWAY ENTRANCE SIGNING

#### LIST OF STATE HIGHWAY STANDARDS

STANDARD NO.	TITLE
000001-08	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
001006	DECIMAL OF AN INCH AND OF A FOOT
515001-04	NAME PLATE FOR BRIDGES
630001-12	STEEL PLATE BEAM GUARDRAIL
630101-10	STRONG POST GUARDRAIL ATTACHED TO CULVERT
630301-09	SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
701001-02	OFF-ROAD OPERATIONS, 2L, 2W, MORE THAN 15'(4.5M) AWAY
701006-05	OFF-ROAD OPERATIONS, 2L, 2W, 15' TO 24" FROM PAVEMENT EDGE
701201-05	LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS ≥ 45 MPH
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701306-04	LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS ≥ 45 MPH
701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS-DAY ONLY
701901-08	TRAFFIC CONTROL DEVICES
704001-08	TEMPORARY CONCRETE BARRIER
725001-01	OBJECT AND TERMINAL MARKERS
780001-05	TYPICAL PAVEMENT MARKINGS
781001-04	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
782006-01	GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS

#### COMMITMENTS

NONE.

#### **GENERAL NOTES**

- 1. ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION ADOPTED JANUARY 1,2022 HEREIN AFTER REFERRED TO AS THE STANDARD SPECIFICATIONS, THE LATEST EDITION OF THE ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS, THE DETAILS IN THE PLANS, AND THE SPECIAL PROVISIONS INCLUDED IN
- 2. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES AND THE VILLAGE OF HOFFMAN ESTATES.
- 3. THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
- 4. THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR KALPANA KANNAN-HOSADURGA AT KALPANA,KANNAN-HOSADURGA@ILLINOIS.GOV A MINIMUM OF 72 HOURS IN ADVANCE OF REGINNING WORK AND INSTALLATION
- 5. THE RESIDENT ENGINEER SHALL CONTACT FADI SULTAN, ARTERIAL TRAFFIC FIELD ENGINEER AT FADI.SULTAN@ILLINOIS.GOV A MINIMUM OF TWO (2) WEEKS PRIOR TO THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS.
- 6. FOR TREE REMOVAL, PLEASE CONTACT ENVIRONMENTAL STUDIES UNIT HEAD VANESSA.RUIZ@ILLINOIS.GOV.
- 7. DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.
- 8. BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "J.U.L.I.E." AT (800) 892-0123 OR 811 FOR FIELD LOCATIONS OF BURIED UTILITY FACILITIES. 48 HOUR NOTICE IS REQUIRED.
- 9. THE CONTRACTOR SHALL EXERCISE CAUTION WHEN REMOVING OR EXCAVATING NEAR ALL EXISTING ITEMS WHICH WILL REMAIN. ANY DAMAGE DONE TO EXISTING ITEMS BY THE CONTRACTOR SHALL BE REPAIRED
- 10. THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTIES AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.
- 11. THE LOCATION OF EXISTING DRAINAGE STRUCTURES, STORM SEWERS, WATER MAINS, SANITARY SEWERS, AND ANY OTHER PUBLIC OR PRIVATE UTILITIES AS SHOWN ON THE PLANS IS APPROXIMATE AND THEIR EXACT LOCATION IS TO BE DETERMINED IN THE FIELD BY THE CONTRACTOR.
- 12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UNDERGROUND AND SURFACE UTILITIES EVEN THOUGH THEY MIGHT NOT BE SHOWN IN THE PLANS. ANY UTILITY PROPERTY DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE ENGINEER.
- 13. ANY LOOSE MATERIAL DEPOSITED IN THE FLOW LINE OF DRAINAGE STRUCTURES WHICH OBSTRUCTS THE NATURAL FLOW OF WATER SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. PRIOR TO ACCEPTANCE OF THE IMPROVEMENT, ALL DRAINAGE STRUCTURES SHALL BE FREE OF DIRT AND DEBRIS. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT.
- 14. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
- 15. ALL PAVEMENT MARKINGS SHALL BE PLACED THROUGHOUT THE IMPROVEMENT ACCORDING TO THE DISTRICT 1 TYPICAL PAVEMENT MARKING STANDARD DETAIL.
- 16. ALL DAMAGE TO EXISTING PAVEMENT MARKINGS OR RAISED REFLECTIVE PAVEMENT MARKERS OUTSIDE THE REMOVAL LINE SHOWN ON THE PLANS SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
- 17. PAVEMENT MARKING TAPE, TYPE IV SHALL BE USED FOR SHORT TERM PAVEMENT MARKINGS ON ALL FINAL SURFACES.
- 18. SAW CUTTING OF PAVEMENT, SIDEWALK, CURB & GUTTER, ETC. SHALL BE TO FULL DEPTH AND SHALL RESULT IN A CLEAN STRAIGHT EDGE ON THE PORTION REMAINING.
- 19. FRAMES AND GRATES ADJUSTMENT OF PRIVATE UTILITIES WITHIN THE LIMITS OF THE IMPROVEMENTS SHALL BE PERFORMED BY THEIR RESPECTIVE OWNERS AND ARE NOT PART OF THIS CONTRACT.
- 20. BEFORE BEGINNING ANY WORK THE CONTRACTOR SHALL RETAIN AND RECORD FOR FUTURE REFERENCE, ALL EXISTING PAVEMENT MARKING LINES (AND RAISED REFLECTIVE PAVEMENT MARKERS) SO THAT THESE LOCATIONS CAN BE RE-ESTABLISHED FOR STRIPING. EXACT LOCATIONS OF ALL PAVEMENT MARKINGS SHALL BE AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.
- 21. THE CONTRACTOR SHALL CONTACT THE IDOT ROADSIDE DEVELOPMENT UNIT AT (847) 705-4171 AT LEAST TWO (2) WEEKS PRIOR TO BEGINNING LANDSCAPE AND FORESTRY WORK FOR LAYOUT.
- 22. ANY AGGREGATE SUBGRADE IMPROVEMENT CONTAMINATED AND/ OR DAMAGED BY THE CONTRACTOR'S VEHICLES AND/OR EQUIPMENTS IS TO BE REMOVED AND REPLACED AS DIRECT BY THE ENGINEER AT CONTRACTOR EXPENSE.
- 23. THE AGGREGATE GRADATION FOR THE AGGREGATE SUBGRADE IMPROVEMENT 12" LOWER LIFT SHALL BE CS 1 OR RR 1.
- 24. PRUNING FOR SAFETY AND EQUIPMENT CLEARANCE SHALL BE PROVIDED IN THE DESIGNATED AREA. WORK WILL BE ACCORDING TO ARTICLES 201.05(C) AND 201.10(C)(3).
- 25. CONTRACTOR TO ADJUST POST LOCATIONS IF DETERMINED TO BE IN CONFLICT WITH EXISTING UTILITIES. NEW LOCATION SHALL BE APPROVED BY ENGINEER.

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			URU	JUP	, INC		

USER NAME = jdavis	DESIGNED	-	MA	REVISED -
	DRAWN	-	MA	REVISED -
PLOT SCALE = 100,0000 / in.	CHECKED	-	JJD	REVISED -
PLOT DATE = 3/15/2023	DATE	-	09/27/2022	REVISED -

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION** 

INDEX OF SHE	ETS, STAT	TE H	IGHW	AY STA	NDARDS, A	ND GENERAL NOTES	F
CULVERT EX	CTENSION	0F	GOLF	RD AT	POPLAR (	CREEK TRIBUTARY	_1
SCALE:	SHEET 1	l C	)F 1	SHEETS	STA.	TO STA.	Т

A.U.	SECT	ION		COUNTY	TOTAL SHEETS	SHEET NO.
320	2021-0	70 <b>-</b> CR		COOK	34	2
			CONTRACT	NO. 62	2P08	
		ILLINOIS	D PROJECT STP-UF	RB-90YV(61:	5)	

CHANNEL EXCAVATION 20700220 POROUS GRANULAR EMBANKMENT CU YD SQ YD 21001000 GEOTECHNICAL FABRIC FOR GROUND STABILIZATION 21101610 TOPSOIL FURNISH AND PLACE, 3" SQ YD 25100630 EROSION CONTROL BLANKET SQ YD TEMPORARY EROSION CONTROL SEEDING POUND 28000400 PERIMETER EROSION BARRIER 28001100 TEMPORARY EROSION CONTROL BLANKET SQ YD 28100107 STONE RIPRAP, CLASS A4 SQ YD 28200200 FILTER FABRIC SQ YD 30300112 AGGREGATE SUBGRADE IMPROVEMENT 12" SQ YD 44004250 PAVED SHOULDER REMOVAL SQ YD

ITEM

20100110 TREE REMOVAL (6 TO 15 UNITS DIAMETER)

EARTH EXCAVATION

\* SPECIALTY ITEMS

CODE

20200100

NO.

				CONSTR. COD
				80%FED
				20%STATE
				BOX CULVER
CODE			TOTAL	0004
NO.	ITEM	UNIT	QUANTITY	URBAN
	7720		QO/MITTI	ONBAN
48101500	AGGREGATE SHOULDERS, TYPE B 6"	SQ YD	106	106
48203037	HOT-MIX ASPHALT SHOULDERS, 10"	SQ YD	118	118
50102400	CONCRETE REMOVAL	CU YD	23.6	23.6
50200100	STRUCTURE EXCAVATION	CU YD	197	197
50201101	COFFERDAM (TYPE 1) (LOCATION - 1)	EACH	1	1
	COFFERDAM (TIPE 1) (LOCATION - 1)	EACH	1	1
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	9250	9250
50901760	PIPE HANDRAIL	FOOT	45	45
51500100	NAME PLATES	EACH	1	1
52200020	TEMPORARY SOIL RETENTION SYSTEM	SQ FT	378	378
54002040	EXPANSION BOLTS 3/4 INCH X 6 INCH	EACH	100	100
54003000	CONCRETE BOX CULVERTS	CU YD	41.3	41.3
60905305	BOX CULVERTS TO BE CLEANED	FOOT	179.5	179.5
63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	31	31
63000030	STRONG POST GUARDRAIL ATTACHED TO CULVERT	FOOT	50	50

\* SPECIALTY ITEMS

□ NON- PART 100% STATE

USER NAME = jdavis	DESIGNED	-	MA	REVISED	-
	DRAWN	-	MA	REVISED	-
PLOT SCALE = 100,0000 / in	CHECKED	-	DII	REVISED	-
PLOT DATE = 3/16/2023	DATE	-	09/27/2022	REVISED	-

CONSTR. CODE

20%STATE BOX CULVERT

0004

URBAN

42

73

50

129

70

245

6

1198

341

136

74

TOTAL

QUANTITY

42

129

70

142

245

341

104

136

UNIT

UNIT

CU YD

rojects/2004 IDOT DUR BowmanWO 22 - 62P08\CADD\CADD Sheets\Civit\D162P08-shi-SOQ.d

20%STATE BOX CULVERT CODE TOTAL 0004 NO. ITEM UNIT QUANTITY URBAN ★ 63100167 TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT EACH 1 TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) FLARE **\*** 63100169 EACH 63200310 GUARDRAIL REMOVAL \* 66900200 NON-SPECIAL WASTE DISPOSAL CU YD 260 260 **\*** 66900530 SOIL DISPOSAL ANALYSIS EACH \* 66901001 REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN L SUM 1 ₩ 66901003 REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT L SUM 1 ★ 66901006 REGULATED SUBSTANCES MONITORING CAL DA 67100100 MOBILIZATION L SUM 1 70107025 CHANGEABLE MESSAGE SIGN CAL DA 84 84 70300100 SHORT TERM PAVEMENT MARKING FOOT 70300150 SHORT TERM PAVEMENT MARKING REMOVAL SQ FT 886 886 70307120 TEMPORARY PAVEMENT MARKING LINE 4" - TYPE IV TAPE FOOT 2539 2539 70400100 TEMPORARY CONCRETE BARRIER 350

\* SPECIALTY ITEMS

				CONSTIT. COL
				80%FED
				20%STATE
				BOX CULVER
CODE			TOTAL	0004
NO.	ITEM	UNIT	QUANTITY	URBAN
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	337.5	337.5
70600251	IMPACT ATTENUATORS, TEMPORARY (NON- REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	4	4
70600352	IMPACT ATTENUATORS, RELOCATE (NON- REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	4	4
78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	94	94
78100300	REPLACEMENT REFLECTOR	EACH	12	12
78300202	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	85	85
X6420002	FILLING EXISTING RUMBLE STRIP	FOOT	553	553
X0326898	CENTER LINE - RUMBLE STRIP - 16"	FOOT	553	553
X0900064	MEMBRANE WATERPROOFING SYSTEM FOR BURIED STRUCTURES	SQ YD	56.9	56.9
X2501800	SEEDING, CLASS 4 (MODIFIED)	ACRE	0.25	0.25
X2502024	SEEDING, CLASS 4B (MODIFIED)	ACRE	0.25	0.25
X6700407	ENGINEER'S FIELD OFFICE, TYPE A (D1)	CAL MO	12	12
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1
X7800815	HOT SPRAY THERMOPLASTIC PAVEMENT MARKING LINE - 4 INCH	FOOT	159	159

\* SPECIALTY ITEMS

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1	USER NAME = jdavis	DESIGNED		MA	REVISED =

CONSTR. CODE

80%FED

		IMU	MARY	OF QUA	ANTITITES	
CULVERT E	XTENSION	I OF	GOLF	RD AT	POPLAR	CREEK TRIBUTARY
SCALE:	SHEET	2 (	OF 3	SHEETS	STA.	TO STA.

F.A.U. RTE.	SECT	COUNTY	TOTAL SHEETS	SHI		
1320	2021-0	COOK	34	10		
				CONTRACT	NO. 62	2P0
		ILLINOIS	FED. A	ID PROJECT STP-UP	RB-90YV(61	5)

CONSTR. CODE

CONSTR. CODE 80%FED 20%STATE

				20%5TATE
				BOX CULVERT
CODE			TOTAL	0004
NO.	ITEM	UNIT	QUANTITY	URBAN
140.	1164	ONT	QUANTITI	ONDAN
V7020050	DALICED DEFLECTIVE DAVEMENT MADIVED DEFLECTOR DEMOVAL	FACU	1.2	1.2
X7830050	RAISED REFLECTIVE PAVEMENT MARKER, REFLECTOR REMOVAL	EACH	12	12
Z0012754	STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS	SQ FT	72	72
	THAN 5 INCHES)	<u> </u>		
			_	
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1
			*	
Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	58	58
20030030	TEM ORART IN ORMATION STOWING	30 11	30	J <b>u</b>
Z0054400	ROCK FILL	CU YD	14.2	14.2
		_	_	
(				
Z007 <b>66</b> 00	TRAINEES	HOURS	500	500
Z0076604	TRAINEES TRAINING PROCRAM CRADUATE	HOURS	500	F00
20076604	TRAINEES - TRAINING PROGRAM GRADUATE	HOURS	500	500
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\* SPECIALTY ITEMS

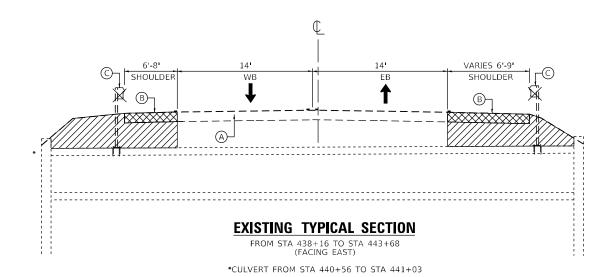
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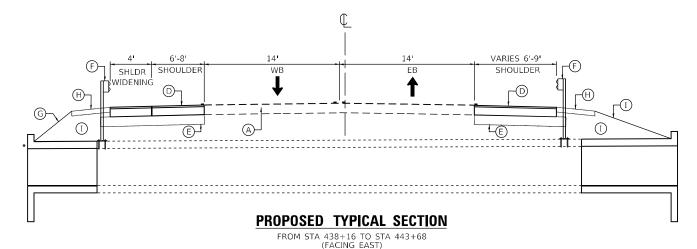
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PLOT DATE = 3/16/2023	DATE	-	09/27/2022	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

	SUMMARY OF QUANTITITES										
	CULVERT EX	TENSION	OF GO	)LF	RD AT	POPLAR	CREEK TRIBUTARY	_1			
100				3				L			
,	SCALE:	SHEET 3	UF	3	SHEETS	SIA.	TO STA.	L			

| F.A.U. | SECTION | COUNTY | SHEETS | NO. |
| 1320 | 2021-070-CR | COOK | 34 | 5 |
| 1320 | | 11LINOIS | FED. AID PROJECT STP-URB-90YY(615)





\*CULVERT FROM STA 440+56 TO STA 441+03

#### **LEGEND**

PAVED SHOULDER REMOVAL

EARTH EXCAVATION AND/OR STRUCTURAL EXCAVATION

A EXISTING HOT-MIX ASPHALT PAVEMENT, 15½"

B EXISTING STABILIZED SHOULDER

© GUARDRAIL REMOVAL

D PROPOSED HOT-MIX ASPHALT SHOULDERS, 10"

(E) PROPOSED AGGREGATE SUBGRADE IMPROVEMENT, 12"

PROPOSED STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS OR STRONG POST GUARDRAIL ATTACHED TO CULVERT

SEEDING, CLASS 4 (MODIFIED) AND SEEDING, CLASS 4B (MODIFIED)
TOPSOIL FURNISH AND PLACE, 3"

H AGGREGATE SHOULDER, TYPE B 6"

) POROUS GRANULAR MATERIAL

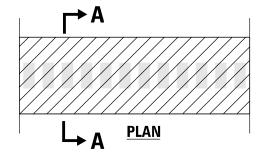
## HMA MIXTURE REQUIREMENTS CHART

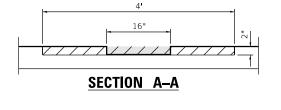
OPERATION	MIXTURE TYPE	AIR VOIDS (%) @ Ndes	QUALITY MANAGEMENT PROGRAM (QMP)				
HOT-MIX ASPHALT SHOULDERS, 10"	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N70, 2" HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 8"	4% @ 70 Gyr. 4% @ 70 Gyr.	QC/QA QC/QA				
FILLING EXISTING RUMBLE STRIPS	4% @ 70 Gyr.	QC/QA					
QUALITY MANAGEMENT PROGRAM (QMP) DESIGNATION:							

QUALITY MANAGEMENT PROGRAM (QMP) DESIGNATION: QUALITY CONTROL/QUALITY ASSURANCE (QC/QA) QUALITY CONTROL FOR PERFORMANCE (QCP)

#### NOTES

- THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MIXTURES IS 112 LB/SY/IN.
- THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR 76-22", AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY RECLAIMED MATERIALS SPECIFICATIONS.





#### FILLING EXISTING CENTER LINE RUMBLE STRIP

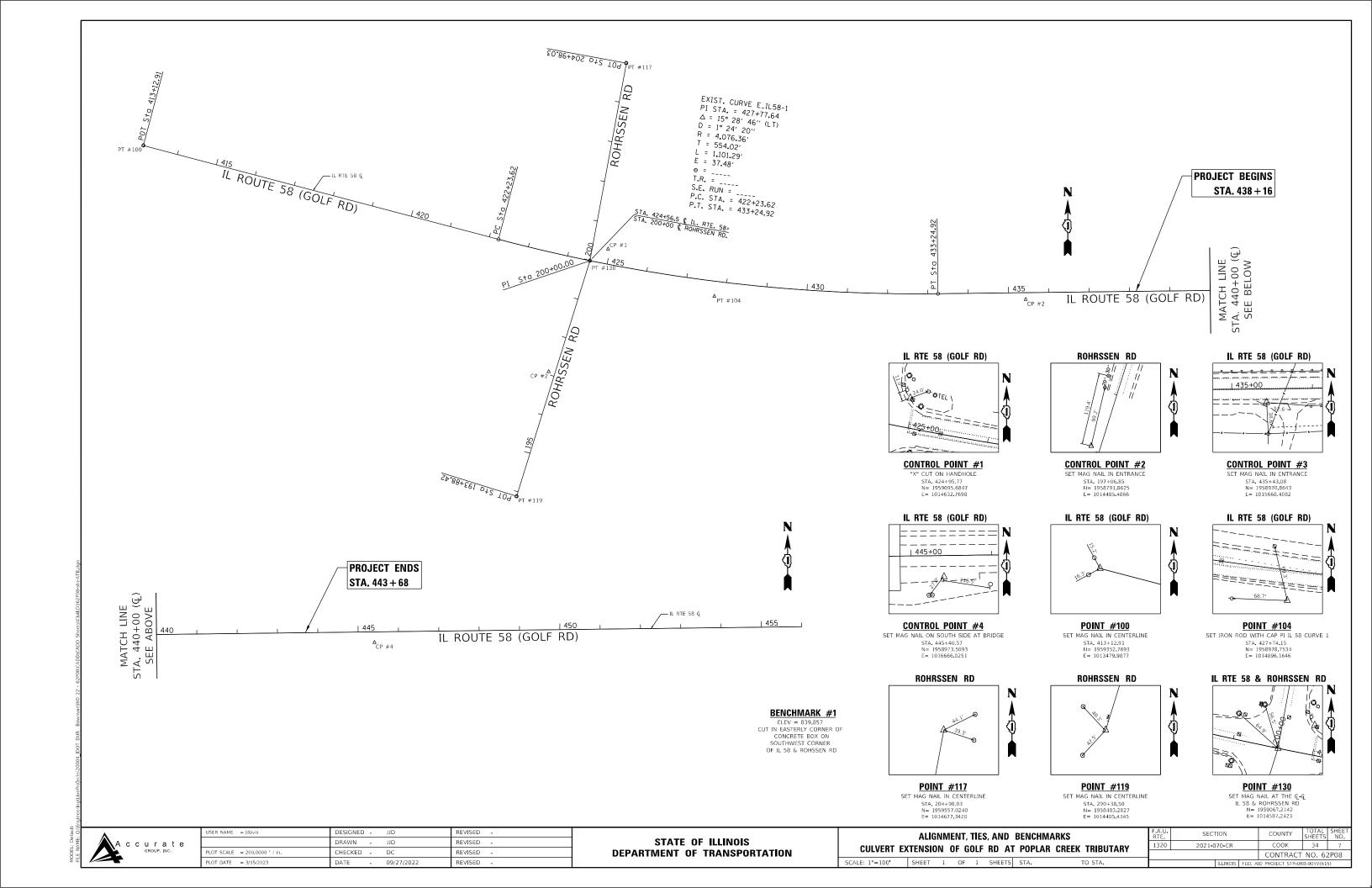
FROM STA 438+16 TO STA 443+68

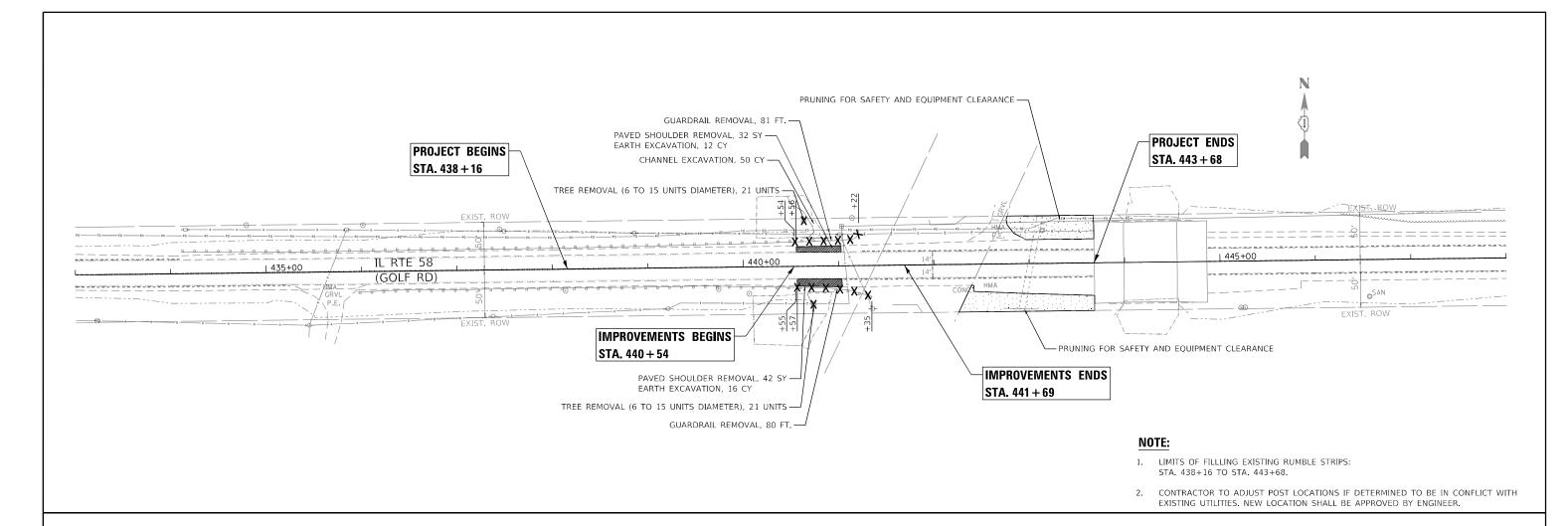


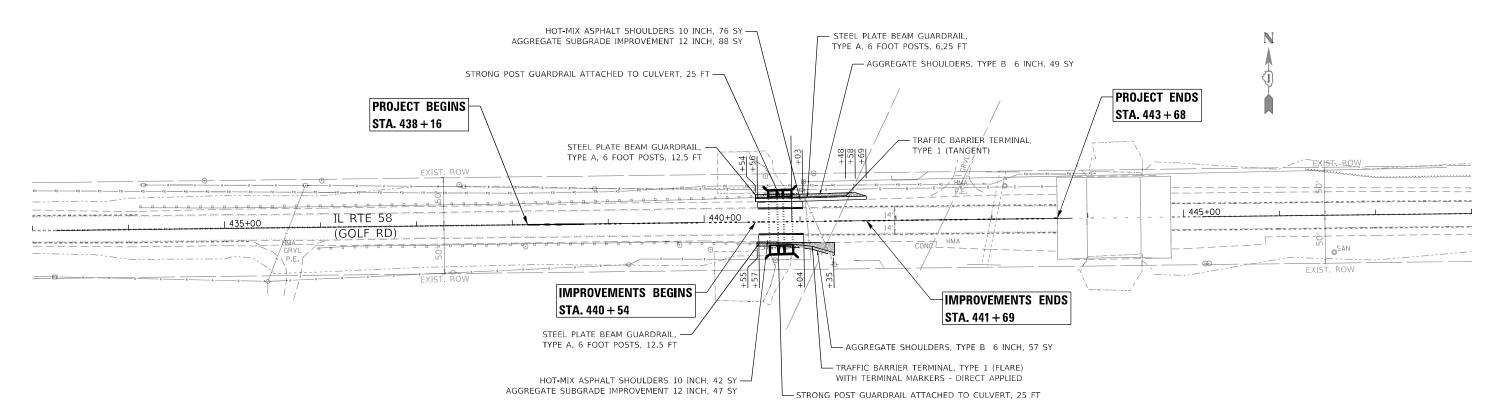
USER NAME = jdavis	DESIGNED	-	JJD	REVISED	-
	DRAWN	-	JJD	REVISED	-
PLOT SCALE = 10.0000 / in.	CHECKED	-	DC	REVISED	-
PLOT DATE = 3/15/2023	DATE	-	09/27/2022	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

	TYPICAL SECTIONS A	F.A.U. RTE	SECTION		COUNTY	TOTAL SHEETS	SHEET NO.	
CHIVERT EX	TENSION OF GOLF RD A	1320	2021-070-CR		COOK	34	6	
COLVEIN EX						CONTRACT	NO. 62	2P08
SCALE: NONE	SHEET 1 OF 1 SHEETS	STA. TO STA.		ILLINOIS	FED. AIL	PROJECT STP-UF	B-90YV(61	5)







STATE OF ILLINOIS

**DEPARTMENT OF TRANSPORTATION** 

SECTION

2021-070-CR

COOK

CONTRACT NO. 62P08

34 8

REMOVAL AND PROPOSED PLAN

CULVERT EXTENSION OF GOLF RD AT POPLAR CREEK TRIBUTARY

SHEET 1 OF 1 SHEETS STA.

REVISED

REVISED -

REVISED

DRAWN -

MA

09/27/2022

#### **GENERAL NOTES**

- 1. THE TRAFFIC CONTROL DEPICTED HEREIN IS THE MINIMUM REQUIREMENT. ADDITIONAL TRAFFIC CONTROL DEVICES AS SPECIFIED IN THE HIGHWAY STANDARDS AS SHOWN ON THE INDEX OF SHEETS AND THE SPECIAL PROVISIONS SHALL BE PLACED BY THE CONTRACTOR TO THE SATISFACTION OF THE ENGINEER. ALL TRAFFIC CONTROL DEVICES SHALL BE CONSIDERED INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION, (SPECIAL) UNLESS OTHERWISE INDICATED WITHIN THESE GENERAL NOTES, PLANS OR SPECIAL PROVISIONS.
- TRAFFIC CONDITIONS, ACCIDENTS, AND OTHER UNFORESEEN EMERGENCY CONDITIONS MAY REQUIRE THE ENGINEER TO RESTRICT, MODIFY
  OR REMOVE LANE CLOSURES OR CHANNELIZATION SHOWN IN THE PLANS. THE CONTRACTOR SHALL PROMPTLY RESPOND AT THE TIME OF
  NOTIFICATION BY THE ENGINEER FOR THE MAINTENANCE OF TRAFFIC CONTROL DEVICES.
- 3. DRUMS OR TYPE II BARRICADES SHALL BE PROVIDED AS SHOWN IN THE PLANS AND SPACED 25 FEET CENTER TO CENTER IN TAPERS IN THE CONSTRUCTION WORK ZONE.
- 1. ALL TEMPORARY PAVEMENT MARKINGS SHOWING DETERIORATION AFTER 7 DAYS OF SERVICE SHALL BE REPLACED BY THE CONTRACTOR
  AS DIRECTED BY THE ENGINEER. ALL MARKINGS THAT REQUIRE REPLACEMENT PRIOR TO 7 DAYS OF SERVICE OR REPLACEMENT AFTER THE
  INITIAL REPLACEMENT SHALL BE REPLACED BY THE CONTRACTOR AT HIS EXPENSE.
- 5. A MINIMUM OF FOURTEEN (14) DAYS IN ADVANCE OF THE BRIDGE CONSTRUCTION AND ALL SUBSEQUENT STAGE CHANGES ON IL ROUTE 58, THE CONTRACTOR SHALL PLACE ONE (1) PORTABLE CHANGEABLE MESSAGE SIGN AT EACH END OF THE PROJECT ALONG IL ROUTE 58 AS DIRECTED AND AT A LOCATION DESIGNATED BY THE ENGINEER TO INFORM MOTORISTS OF THE UPCOMING CULVERT CONSTRUCTION / STAGE CHANGE. THE MESSAGE SHALL BE APPROVED BY THE ENGINEER. THIS WORK IS TO BE PAID FOR AT THE CONTRACT UNIT PRICE PER CALENDAR DAY FOR CHANGEABLE MESSAGE SIGN.
- 6. WORK ZONE SPEED LIMIT SHALL BE 40 MPH ON IL ROUTE 58.
- 7. THE CONTRACTOR SHALL BE REQUIRED TO MAINTAIN TRAFFIC IN ACCORDANCE WITH THE TRAFFIC CONTROL PLANS, SPECIAL PROVISIONS, APPLICABLE STATE STANDARDS, AND AS DIRECTED BY THE ENGINEER. ANY CHANGES TO THE TRAFFIC CONTROL SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO IMPLEMENTING ANY CHANGES.
- 8. THE CONTRACTOR SHALL FURNISH, INSTALL, MAINTAIN, AND REMOVE ALL SIGNS AND SIGN SUPPORTS REQUIRED FOR TRAFFIC CONTROL.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING LABOR, SIGNS, AND TRAFFIC CONTROL DEVICES NECESSARY FOR THE MAINTENANCE OF TRAFFIC UNLESS OTHERWISE NOTED IN THE SPECIAL PROVISIONS.
- 10. ALL EXISTING SIGNS THAT CONFLICT WITH THE TRAFFIC CONTROL PLAN SHALL BE COVERED OR REMOVED IN ACCORDANCE WITH ARTICLE 107.25 OF THE STANDARD SPECIFICATIONS.
- 11. THE ENGINEER SHALL BE INFORMED 48 HOURS IN ADVANCE OF ANY PROPOSED CHANGE TO THE SUGGESTED STAGE OF CONSTRUCTION AND TRAFFIC CONTROL PLAN.
- 12. THE CONTRACTOR SHALL PROVIDE ADEQUATE TEMPORARY DRAINAGE AND EROSION CONTROL PROTECTION DURING ALL PHASES OF CONSTRUCTION.
- 13. THE CONTRACTOR SHALL MAINTAIN A MINIMUM OF ONE 11' THRU-LANE FOR BOTH EASTBOUND AND WESTBOUND TRAFFIC UNLESS OTHERWISE SPECIFIED.
- 14. THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR KALPANA KANNAN-HOSADURGA, AT KALPANA.KANNAN-HOSADURGA@ILLINOIS.GOV A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING OF WORK.
- 15. THE CONTRACTOR SHALL BE REQUIRED TO REMOVE ALL EXISTING PAVEMENT MARKINGS WHICH CONFLICT WITH THE DESIGNATED TRAFFIC CONTROL AS SHOWN IN PLANS.
- 16. IMMEDIATELY AFTER THE COMPLETION OF CONSTRUCTION, THE CONTRACTOR SHALL RESTORE ALL PERMANENT PAVEMENT MARKINGS, SIGNS, AND OTHER TRAFFIC CONTROL DEVICES THAT WERE COVERED, IF THEY WERE REMOVED, DAMAGED, OR OTHERWISE AFFECTED BY CONSTRUCTION. THE COST TO REPAIR ANY DAMAGES WILL BE BORNE BY THE CONTRACTOR AND NOT THE RESPONSIBILITY OF THE DEPARTMENT.
- 17. ALL TEMPORARY PAVEMENT MARKINGS WILL BE PAVEMENT MARKING TAPE, TYPE IV, UNLESS OTHERWISE NOTED.
- 18. VEHICULAR ACCESS TO LOCAL PROPERTIES SHALL BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION.

#### SUGGESTED SEQUENCE OF CONSTRUCTION AND MAINTENANCE OF TRAFFIC

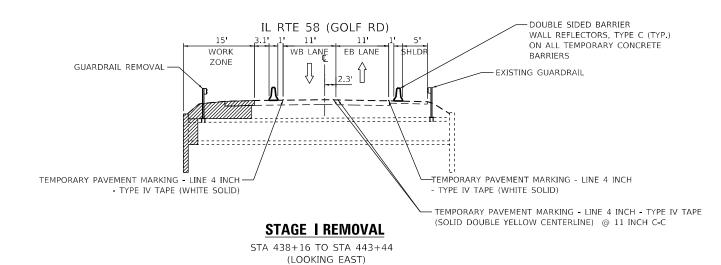
THE FOLLOWING SEQUENCE OF CONSTRUCTION AND MAINTENANCE OF TRAFFIC IS SUGGESTED. VARIATIONS MAY BE MADE WITH THE APPROVAL OF THE ENGINEER. FOR EACH STAGE OF CONSTRUCTION, PROVIDE TRAFFIC CONTROL AS SHOWN ON THE MAINTENANCE OF TRAFFIC PLANS. COORDINATE INSTALLATION OF TRAFFIC CONTROL DEVICES WITH THE EXISTING TRAFFIC PATTERNS AT THE ENDS OF THE PROJECT ALONG IL ROUTE 58 AND IMPACTED CROSS STREETS. THE IMPROVEMENTS WILL BE CONSTRUCTED USING LANE SHIFTS ONTO EXISTING SHOULDERS PER DISTRICT ONE STANDARDS TC-10, TC-11, TC-13, TC-16, TC-22, TC-26 AND HIGHWAY STANDARDS 701001, 701201, 701301, 701306, 701311, AND 701901.

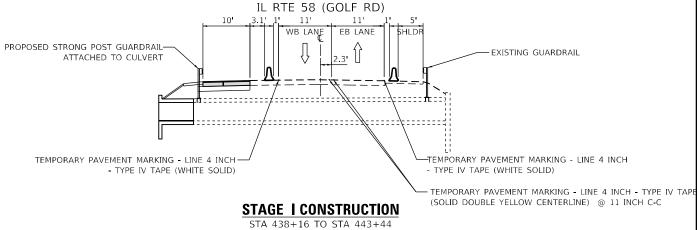
#### STAGE 1

- UTILIZE HIGHWAY STANDARDS 701201, 701301 AND 701311 TO REMOVE CONFLICTING PERMANENT PAVEMENT MARKINGS AND RAISED PAVEMENT MARKER REFLECTORS, FILLING EXISTING CENTERLINE RUMBLE STRIPS, INSTALL TEMPORARY PAVEMENT MARKINGS AS DETAILED IN THE TRAFFIC CONTROL PLAN TO MAINTAIN THE EASTBOUND AND WESTBOUND LANES OVER THE CULVERT.
- 2. INSTALL TRAFFIC CONTROL DEVICES AS SHOWN IN THE MOT PLANS TO CLOSE THE WESTBOUND SHOULDER.
- 3. COMPLETE NORTH SIDE CULVERT REPAIRS INCLUDING CULVERT EXTENSION NORTH OF IL ROUTE 58, SHOULDER REMOVAL AND REPLACEMENT, REMOVAL AND REPLACEMENT OF GUARDRAIL, INSTALLATION OF HANDRAIL, AND INSTALLATION OF RIPRAP, AGGREGATE SHOULDER, AND LANDSCAPE.

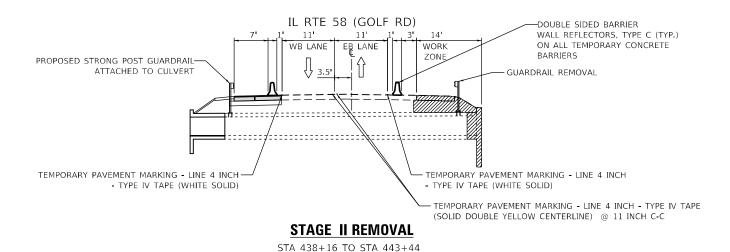
#### STAGE 2

- 1. UTILIZE HIGHWAY STANDARDS 701301 AND 701311 TO REMOVE CONFLICTING PERMANENT PAVEMENT MARKINGS AND RAISED PAVEMENT MARKER REFLECTORS, INSTALL TEMPORARY PAVEMENT MARKINGS AS DETAILED IN THE TRAFFIC CONTROL PLAN TO MAINTAIN THE EASTBOUND AND WESTBOUND LANES OVER THE CULVERT.
- 2. INSTALL TRAFFIC CONTROL DEVICES AS SHOWN IN THE MOT PLANS TO CLOSE THE EASTBOUND SHOULDER.
- 3. COMPLETE SOUTH SIDE CULVERT REPAIRS INCLUDING CULVERT EXTENSION SOUTH OF IL ROUTE 58, SHOULDER REMOVAL AND REPLACEMENT, REMOVAL AND REPLACEMENT OF GUARDRAIL, INSTALLATION OF HANDRAIL, AND INSTALLATION OF RIPRAP, AGGREGATE SHOULDER, AND LANDSCAPE.
- 4. INSTALL 16" CENTERLINE RUMBLE STIPS ALONG THE CENTERLINE OF THE ROADWAY, AS SHOWN ON PLANS.
- 5. INSTALL PERMANENT PAVEMENT MARKINGS AND LANDSCAPING USING HIGHWAY STANDARD 701301 AND 701311
- 6. REMOVE TEMPORARY TRAFFIC CONTROL DEVICES AND EROSION CONTROL DEVICES

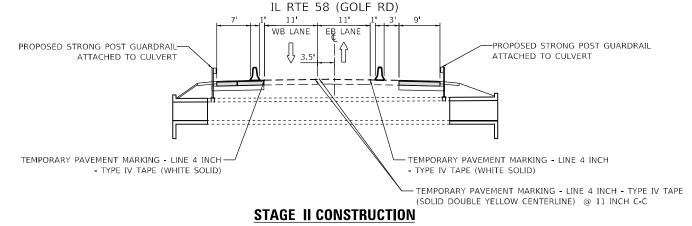




(LOOKING EAST)



(LOOKING EAST)



#### STA 438+16 TO STA 443+44 (LOOKING EAST)

#### **LEGEND**



PAVEMENT REMOVAL, EXCAVATION, OR CULVERT REMOVAL



PROPOSED PAVEMENT



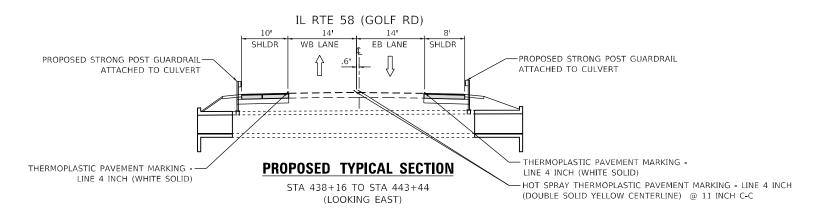
TEMPORARY CONCRETE BARRIER WITH DOUBLE SIDED BARRIER WALL REFLECTORS, TYPE C



DIRECTION OF TRAFFIC

#### NOTE:

TYPE C REFLECTORS SHALL BE CONSIDERED INCLUDED IN THE COST OF TEMPORARY CONCRETE BARRIER.





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STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION** 

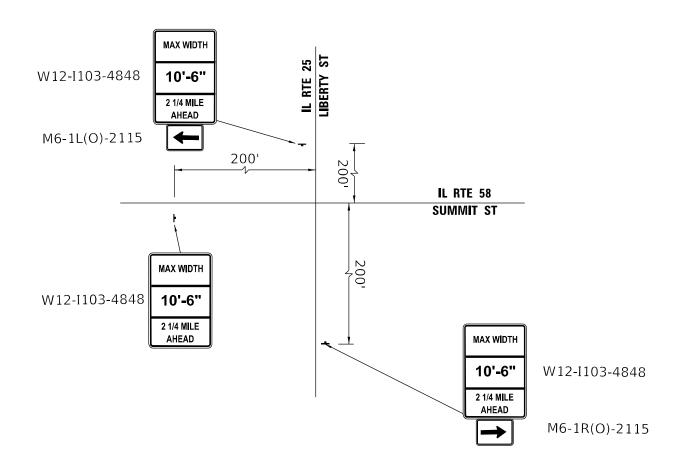
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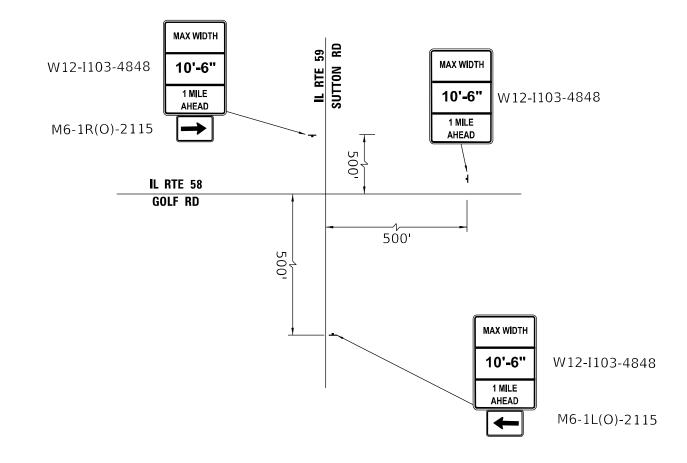
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1320	2021-0	70-CR		COOK	34	10
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ADVANCE WARNING SIGNS AT THE INTERSECTION OF SUMMIT ST AND LIBERTY ST NTS

ADVANCE WARNING SIGNS AT THE INTERSECTION OF GOLF RD AND SUTTON RD NTS

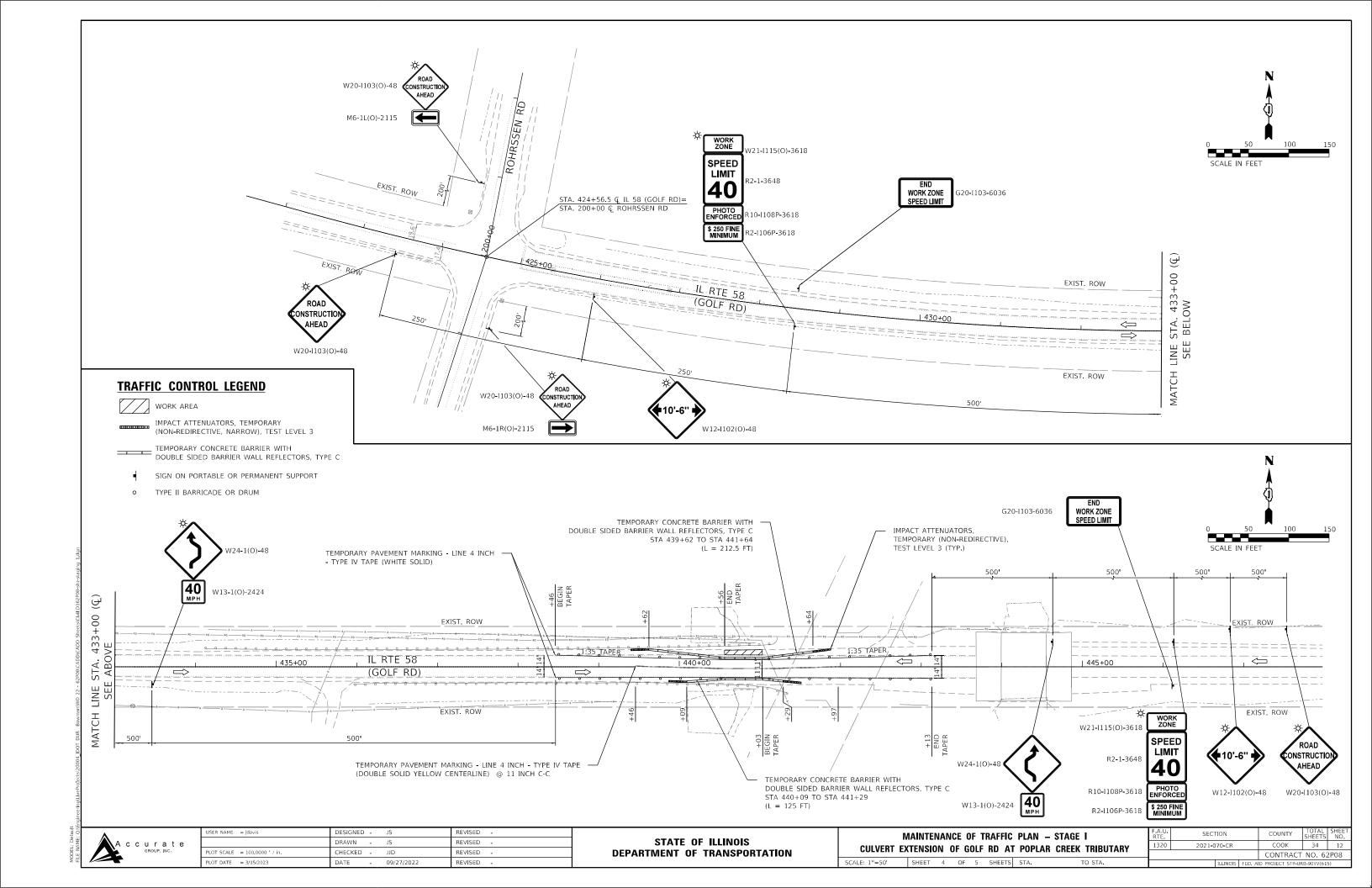
NOTES: 1. ADVANCE WARNING SIGNAGE SHALL BE LEFT IN PLACE UNTIL FINAL STAGE IS COMPLETE

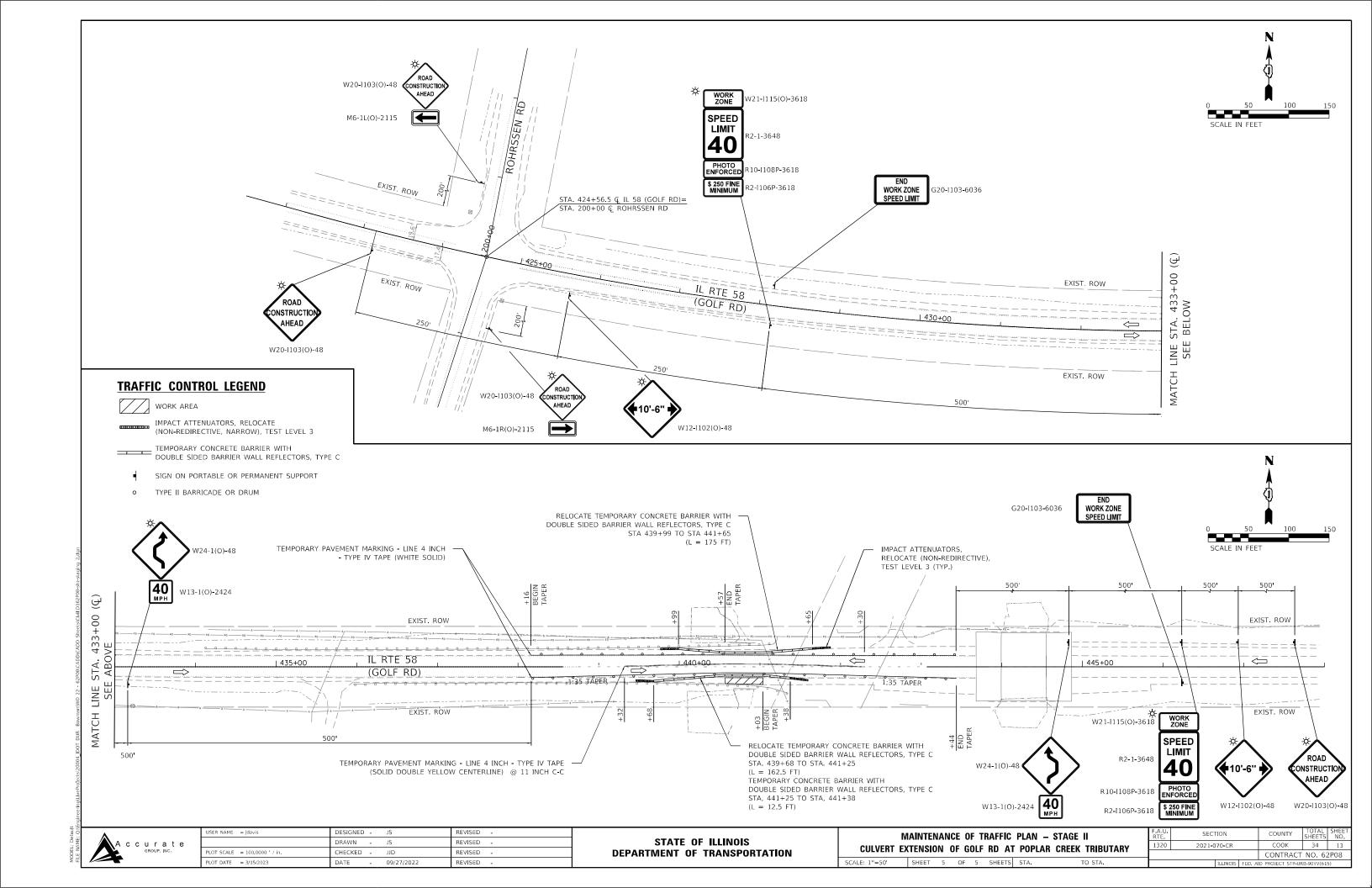
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STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION** 

IAINTENANO	CE OF TI	RAFF	IC PL	AN – A	DVANCE	WARNING SIGNAGE	
CULVERT EX	CTENSIO	N 01	GOL	F RD A	T POPLAF	R CREEK TRIBUTARY	
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2021**-**070**-**CR CONTRACT NO. 62P08





#### **EROSION AND SEDIMENT CONTROL GENERAL NOTES**

- ALL CONTROL MEASURES NECESSARY MUST MEET THE MINIMUM REQUIREMENTS AS DESCRIBED IN THE LATEST EROSION AND SEDIMENT CONTROL FIELD GUIDE FOR CONSTRUCTION INSPECTION BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION. ADDITIONAL DETAILS AND BMPs ARE ALSO AVAILABLE AND CAN BE UTILIZED AS SHOWN IN THE ILLINOIS URBAN MANUAL, REVISED TO LATEST VERSION AS AMENDED. ALL ESC MEASURES WILL BE MAINTAINED IN ACCORDANCE WITH THE IDOT EROSION AND SEDIMENT CONTROL FIELD GUIDE FOR CONSTRUCTION INSPECTION AND IDOT'S BEST MANAGEMENT PRACTICES - MAINTENANCE GUIDE: (HTTP://WWW.IDOT.ILLINOIS. GOV/TRANSPORTATION-SYSTEM/ENVIRONMENT/EROSION-AND-SEDIMENT-CONTROL).
- ALL THE SOIL EROSION AND SEDIMENT CONTROL FEATURES MUST BE CONSTRUCTED PRIOR TO THE COMMENCEMENT OF UPLAND DISTURBANCE. SOIL DISTURBANCE MUST BE PHASED OR ENACTED IN SUCH A MANNER AS TO MINIMIZE EROSION. SOIL STABILIZATION MEASURES MUST CONSIDER THE TIME OF YEAR, SITE CONDITIONS AND THE USE OF TEMPORARY AND/OR PERMANENT MEASURES.
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE THAT SEDIMENT TRANSPORT OFF THE SITE IS REDUCED BY A COMBINATION OF MINIMIZATION OF EROSION AT THE SOURCE AND THE INSTALLATION OF SPECIFIC MEASURES TO CONTROL OR REDUCE THE TRANSPORT OF SEDIMENT. A COPY OF THE EROSION AND SEDIMENT CONTROL SCHEDULE BEING IMPLEMENTED BY THE CONTRACTOR MUST BE APPROVED BY THE ENGINEER, WILL BE ON THE CONSTRUCTION SITE AT ALL TIMES.
- 4. ALL RUNOFF ORIGINATING ON DISTURBED AREAS ASSOCIATED WITH THIS PROJECT WILL PASS THROUGH ONE OR MORE MEASURES THAT WILL MINIMIZE THE OFF-SITE SEDIMENT IMPACTS OF THE CONSTRUCTION ACTIVITIES.
- 5. THE CONTRACTOR MUST CLEAN UP, GRADE THE WORK AREA AS THE PROJECT PROGRESSES AND INSTALL EROSION PROTECTION TO ELIMINATE THE CONCENTRATION OF RUNOFF, OR MUST INSTALL APPROPRIATE SEDIMENT CONTROL DEVICES TO TRAP SEDIMENT. PAVEMENT MUST BE CLEANED DAILY OR AS NECESSARY TO REMOVE EARTHEN MATERIAL TO THE SATISFACTION OF THE ENGINEER OR AUTHORIZED IDOT PERSONNEL.
- 6. STABILIZATION OF CUT OR FILL SLOPES WITH TEMPORARY OR PERMANENT EROSION CONTROL MEASURES IS REQUIRED WHENEVER THE CUT OR FILL ACTIVITY REACHES 10-FT VERTICALLY OR THE FINISHED SLOPE EQUALS 30-FT, WHICHEVER IS MORE RESTRICTIVE. ONCE THE STABILIZATION MEASURES ARE INSTALLED, THE PLACEMENT OF FILL OR EXCAVATION ACTIVITIES ARE ALLOWED TO PROCEED.
- THE CONTRACTOR WILL ASSUME RESPONSIBILITY FOR MAINTENANCE OF ALL SOIL EROSION CONTROL DURING CONSTRUCTION. THE CONTRACTOR SHALL DESIGNATE ONE OF HIS EMPLOYEES TO BE RESPONSIBLE FOR IMPLEMENTATION OF THE EROSION AND SEDIMENT CONTROL PLAN ON ALL DISTURBED AREAS THROUGHOUT THE PROJECT.
- THE CONTRACTOR'S REPRESENTATIVE HAS TO BE KNOWLEDGEABLE ABOUT INSTALLATION AND MAINTENANCE OF THE REQUIRED MEASURES AND HAVE TAKEN AN ILLINOIS DEPARTMENT OF TRANSPORTATION OR APPROVED EQUAL EROSION AND SEDIMENT CONTROL COURSE. THIS PERSON SHALL HAVE THE AUTHORITY TO CARRY OUT THE IMPLEMENTATION OF ANY INSTRUCTION CONCERNING THE EROSION AND SEDIMENT CONTROL PLAN PROVIDED BY THE ENGINEER. THIS INDIVIDUAL AND THE ENGINEER MUST MAKE INSPECTIONS A MINIMUM OF ONCE EVERY SEVEN DAYS OF THE FOLLOWING:
  - A. DISTURBED AREAS OF THE PROJECT SITE THAT HAVE NOT BEEN FULLY STABILIZED.
- B. STRUCTURAL CONTROL MEASURES (SUCH AS PERIMETER EROSION BARRIER, ETC.)
- LOCATIONS WHERE VEHICLES ENTER OR EXIT THE PROJECT SITE.
- AN ADDITIONAL INSPECTION OF ALL EROSION AND SEDIMENT CONTROL MEASURES MUST BE MADE 21. WEEKLY AND WITHIN 24-HOURS AFTER A 24-HOURS RAINFALL OR EQUIVALENT SNOWFALL EVENT GREATER THAN 0.5-INCH. DURING WINTER MONTHS, ALL MEASURES MUST BE CHECKED BY THE CONTRACTOR AFTER EACH SIGNIFICANT SNOWMELT.
- 9. ALL THE EROSION AND SEDIMENT CONTROL MEASURES SHALL BE MAINTAINED DURING THE CONSTRUCTION SEASON, AS WELL AS OVER THE WINTER SHUTDOWN PERIOD AND OTHER DAYS WHEN THE PROJECT IS CLOSED DOWN FOR A LONGER DURATION. ANY CONTROL MEASURES FILLED MORE THAN 75% MUST BE CLEANED AND RESET AND THESE SPOILS REMOVED TO AN APPROVED SITE.
- 10. SALVAGED TOPSOIL SHALL BE PLACED ON WELL DRAINED LAND AWAY FROM INTERMITTENT AND ACTIVE DRAINAGE PATHS WITH THE APPROPRIATE RUNOFF CONTROL AND SEDIMENT CONTROL MEASURES INSTALLED AROUND THE STORAGE SITE. IMMEDIATELY AFTER THE FINAL SHAPING OF THE STOCKPILE, THE TOPSOIL WILL BE STABILIZED IN ACCORDANCE WITH THE METHOD APPROVED BY IDOT. THE CONTRACTOR WILL PROVIDE ADEQUATE QUANTITY OF SILT FENCE TO CONTROL THE
- 11. EXCAVATION TO BE USED FOR EMBANKMENTS SHALL NOT BE STOCKPILED UNLESS PERIMETER CONTROLS ARE UTILIZED. WHEN THIS MATERIAL IS STOCKPILED FOR THE CONVENIENCE OF THE CONTRACTOR, THE COST OF THE CONTROLS WILL BE BORNE BY THE CONTRACTOR. IF THE MATERIAL IS STOCKPILED AT THE DIRECTION OF THE ENGINEER, THE DEPARTMENT WILL ASSUME THE COST OF INSTALLING AND MAINTAINING THE CONTROLS.
- 12. IN AREAS WHERE A PERMANENT VEGETATIVE COVER IS PRACTICABLE AND INCLUDED IN THE CONTRACT DOCUMENTS, A SPECIAL EFFORT SHOULD BE MADE TO ESTABLISH A COVER AS SOON AS A DISTURBED AREA IS BROUGHT TO FINAL GRADE. UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR PROLONG FINAL GRADING AND SHAPING SO THAT THE ENTIRE PROJECT CAN BE PERMANENTLY SEEDED AT ONE TIME.

- 13. IF AND/OR WHEN THE CONTRACTOR REQUESTS CHANGE TO POSTPONE COMPLETION OF THE EXCAVATION OF A SPECIFIC AREA AS A CONTINUOUS OPERATION AND PLACING THE TOPSOIL AS DEFINED IN THE STANDARD SPECIFICATIONS, THE ENGINEER MAY ALLOW THE CONTRACTOR TO STABILIZE THE AREA USING TEMPORARY STABILIZATION WITH STRAW MULCH 25 FEET AWAY FROM THE SHOULDER OF THE ROAD PROVIDED THE FOLLOWING CONDITIONS ARE MET:
  - A. ALL AREAS BEING STABILIZED ARE 1:3 SLOPES OR FLATTER
    - THE CONTRACTOR BEARS THE COST OF PREPARING THE SEED BED AND STABILIZING THE AREA WITH TEMPORARY STABILIZATION WITH MULCH METHOD 2.
  - C. ALL REQUIRED SEDIMENT CONTROL MEASURES FOR THE SECTION OF ROAD IN QUESTION HAVE BEEN INSTALLED AND ARE BEING MAINTAINED.
- 14. TOPSOIL PLACEMENT:

TOPSOIL WILL BE PLACED ON FINAL SLOPES WHICH WILL NOT BE DISTURBED BY FUTURE CONSTRUCTION. TOPSOIL WILL NOT BE PLACED ON SURFACES WHICH WILL BE PAVED IN THE FUTURE NOR ON TEMPORARY STEEP SLOPES.

- 15. THE CONTRACTOR'S REPRESENTATIVE AND THE ENGINEER MUST KEEP A WRITTEN REPORT SUMMARIZING THE REQUIRED INSPECTIONS. THE REPORTS MUST BE KEPT AT THE SITE DURING CONSTRUCTION. THE REPORT MUST ALSO BE RETAINED FOR THREE YEARS FROM THE DATE THE SITE IS FINALLY STABILIZED.
- 16. ANY SEDIMENT LADEN DEWATERING DISCHARGE MUST BE DIRECTED TO AN APPROVED SEDIMENT TRAPPING CONTROL MEASURE PRIOR TO RELEASE FROM THE PROJECT SITE.
- 17. NO WORK IS ALLOWED BEYOND THE PERMITTED AREA. ANY WORK WITHIN A CREEK OR DITCH CAPABLE OF CONVEYING WATER MUST BE CONDUCTED IN THE DRY. PROVISIONS MUST BE MADE TO BYPASS PUMP OR DEWATER ANY AREAS IN WHICH WORK WILL BE CONDUCTED. IN HIGH FLOW CHANNELS WHERE DEWATERING IS NOT POSSIBLE OR PRACTICAL, SILT FENCE OR SEDIMENT CURTAINS MAY BE INSTALLED PARALLEL TO THE STREAM BANK. IN NO CASE WILL THE CURTAINS BE INSTALLED PERPENDICULAR TO THE FLOW. DEWATERING MUST BE DISCHARGED TO A STABLE, NON-ERODIBLE SURFACE AND IN-STREAM WORK BARRIERS MUST BE COMPOSED OF NON-ERODIBLE MATERIAL.
- 18. SEEDING USAGE

CLASS 4B (MODIFIED):

USED ON FINAL DISTURBED CONSTRUCTION AREAS INDICATED ON THE PLANS.

TEMPORARY EROSION CONTROL SEEDING: USED IN AREAS REQUIRING SHORT TERM TEMPORARY SEEDING DURING CONSTRUCTION.

- 19. THE CONTRACTOR MUST COOPERATE WITH THE ENGINEER AND HIS/HER REPRESENTATIVE WHO WILL MAKE SITE VISITS TO REVIEW THE COMPLIANCE OF THE PLANS IN THE FIELD AND AUDIT IF NECESSARY. THE CONTRACTOR MUST PREPARE THE LOGS AND RECORDS WHEN REQUIRED AND SUBMIT TO IDOT AND/OR APPROPRIATE AGENCIES.
- 20. THE INSTALLATION, MAINTENANCE, REMOVAL AND RESTORATION OF THE AREA DISTURBED BY THE PLACEMENT OF THE PERIMETER EROSION BARRIER ARE INCLUDED IN THE CONTRACT UNIT PRICE FOR PERIMETER EROSION BARRIER. AFTER ALL PERIMETER EROSION BARRIER IS REMOVED, THE AREAS DAMAGED BY THE PERIMETER EROSION CONTROL BARRIER MUST BE RESTORED TO THEIR ORIGINAL CONDITION.
- THE CONTRACTOR WILL PROVIDE THE ENGINEER A PLAN TO ENSURE THAT A STABILIZED FLOW LINE WILL BE PROVIDED DURING STORM SEWER CONSTRUCTION. THIS IS IMPORTANT WHERE NEW STORM SEWER CONNECTS TO EXISTING CULVERTS. THE USE OF A STABILIZED FLOW LINE BETWEEN INSTALLED STORM SEWER AND OPEN DISTURBANCE ESPECIALLY WHEN RAIN IS FORECAST, SO THAT FLOW WILL NOT BE EROSIVE AND WILL REDUCE THE POTENTIAL FOR THE OFFSITE DISCHARGE OF SEDIMENT-BEARING WATERS. THE LACK OF AN APPROVED PLAN OR FAILURE TO COMPLY WILL RESULT IN AN ESC DEFICIENCY DEDUCTION.
- 22. ANY LOOSE MATERIAL DEPOSITED IN THE FLOW LINE OF DRAINAGE STRUCTURES, WHICH OBSTRUCTS THE NATURAL FLOW OF WATER, SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. PRIOR TO ACCEPTANCE OF THE IMPROVEMENT, ALL DRAINAGE STRUCTURES SHALL BE FREE OF DIRT AND DEBRIS. THIS WORK WILL NOT BE PAID FOR SEPARATELY. BUT SHALL BE CONSIDERED INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT.
- 23. STABILIZATION MEASURES SHALL BE INITIATED IMMEDIATELY WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE MORE THAN ONE (1) DAY AFTER THE CONSRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS TEMPORARILY OR PERMANENTLY CEASED ON ALL DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION WILL NOT OCCUR FOR A PERIOD OF FOURTEEN (14) OR MORE CALENDAR DAYS.
- 24. EROSION CONTROL ITEMS ARE CONSIDERED TO BE A HIGH PRIORITY ON THIS CONTRACT. THE CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF ANY ADDITIONAL EROSION CONTROL MEASURES NECESSARY TO PREVENT EROSION AND SEDIMENTATION AS DETERMINED BY THE ENGINEER.
- 25. THE CONTRACTOR IS REQUIRED TO PROVIDE WASHOUT FACILITIES TO COMPLY WITH EROSION CONTROL PERMITS.

- 26. THE CONTRACTOR SHALL ATTACH AN ALUMINUM SIGN WITH THE FOLLOWING TEXT: "PROTECTED WETLAND - NO INTRUSION". THE SIGN(S) SHALL BE ATTACHED TO THE STAKES BY THE METHOD APPROVED BY THE ENGINEER. THE SIGN(S) WILL BE PROVIDED BY THE DEPARTMENT AND SHALL BE PICKED UP BY THE CONTRACTOR FROM THE DISTRICT ONE ROADSIDE DEVELOPMENT ARCHITECT IN SCHAUMBURG, ILLINOIS. SCHEDULING THE PICK UP OF THE SIGNS CAN BE ARRANGED BY CONTACTING THE DISTRICT ONE ROADSIDE DEVELOPMENT UNIT AT (847) 705-4171. WHEN WORK HAS BEEN COMPLETED, THE SIGN(S) SHALL BE RETURNED TO THE DISTRICT ONE ROADSIDE DEVELOPMENT UNIT. THE COST OF PICKING UP, ATTACHING THE SIGNS TO THE TEMPORARY STAKES AND RETURNING THE SIGNS WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR PERIMETER EROSION BARRIER.
- 27. THE CONTRACTOR WILL ASSUME RESPONSIBILITY FOR MAINTENANCE OF ALL SOIL EROSION CONTROL DURING CONSTRUCTION.
- 28. THE CONTRACTOR SHALL CHECK ALL ESC MEASURES WEEKLY AND AFTER EACH RAINFALL, 0.5 INCHES OR GREATER IN A 24 HOUR PERIOD, OR EQUIVALENT SNOWFALL. ADDITIONAL DURING WINTER MONTHS, ALL MEASURES SHOULD BE CHECKED BY THE CONTRACTOR AFTER EACH SIGNIFICANT SNOWMELT.
- 29. THIS PROJECT REQUIRES A US ARMY CORPS OF ENGINEERS (USACE) 404 PERMIT THAT WILL BE SECURED BY THE DEPARTMENT. THE CONTRACTOR WILL NEED TO SUBMIT AN IN-STREAM WORK PLAN TO THE DEPARTMENT FOR APPROVAL. GUIDELINES ON ACCEPTABLE IN-STREAM WORK TECHNIQUES CAN BE FOUND ON THE USACE WEBSITE, THE USACE DEFINES AND DETERMINES IN-STREAM WORK, THE COST OF ALL MATERIALS AND LABOR NECESSARY TO COMPLY WITH THE ABOVE PROVISIONS TO PREPARE AND IMPLEMENT AN IN-STREAM WORK PLAN WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED WITH THE EXCEPTION OF COFFERDAMS WHICH WILL BE PAID FOR AS "COFFERDAM (TYPE 1)(IN-STREAM/WETLAND WORK)" WITH A BASIS OF PAYMENT OF EACH.
- 30. MULCH METHOD 2 SHOULD BE APPLIED TO SLOPES FOR TEMPORARY STABILIZATION PRIOR TO SEASONS WHEN TEMPORARY SEED WILL NOT GERMINATE, FOR EXAMPLE IN MID-JULY OR IN WINTER.
- 31. CLASS 4 (MODIFIED) SEEDING CAN BE USED AS A SUPPLEMENTAL MIX FOR CLASS 4B (MODIFIED) SEEDING

#### SOIL EROSION AND SEDIMENT CONTROL STRATEGY:

- 1. INSTALL TRAFFIC CONTROL DEVICES.
- 2. ERECT PERIMETER EROSION BARRIERS AS SHOWN ON THE PLANS.
- 3. INSTALL TEMPORARY DITCH CHECKS AS SHOWN ON THE PLANS.
- 4. CONSTRUCT PROJECT REMOVALS AND IMPROVEMENTS AS SHOWN ON THE PLANS.
- INSPECT AND MAINTAIN ALL EROSION AND SEDIMENT CONTROL MEASURES FOR THE DURATION OF CONSTRUCTION.
- 6. TEMPORARY STABILIZATION OF EACH STAGE SHOULD BE COMPLETED BEFORE WORK BEGINS ON SUBSEQUENT STAGES.
- 7. STABILIZE DISTURBED AREAS WITH TEMPORARY EROSION CONTROL MEASURES. USE THE PERMANENT SEEDING WITH EROSION CONTROL BLANKET AS SHOWN ON THE PLANS FOR PERMANENT STABILIZATION.
- 8. WHEN THE PERMANENT STABILIZATION IS ESTABLISHED, REMOVE ALL TEMPORARY EROSION CONTROL DEVICES.

#### **HIGHWAY STANDARD**

STD. NO.

280001

TEMPORARY EROSION CONTROL SYSTEMS

# **SOIL PROTECTION SCHEDULE:**

STABILIZATION TYPE	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	ост.	NOV.	DEC.
PERMANENT SEEDING					_	-					-	
DORMANT SEEDING			-									-
TEMPORARY SEEDING										-		
EROSION BLANKET/ HYDROMULCH											-	

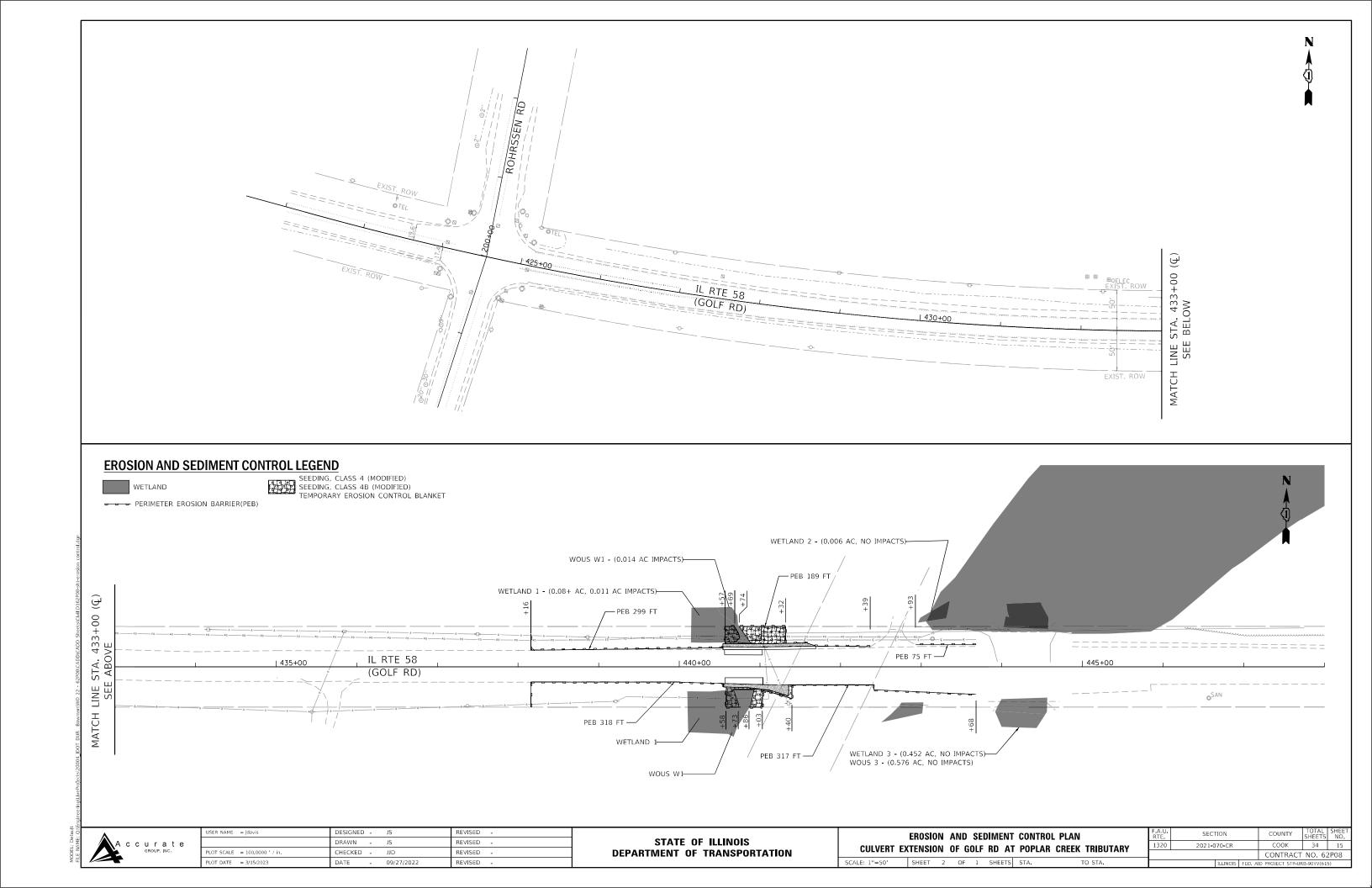


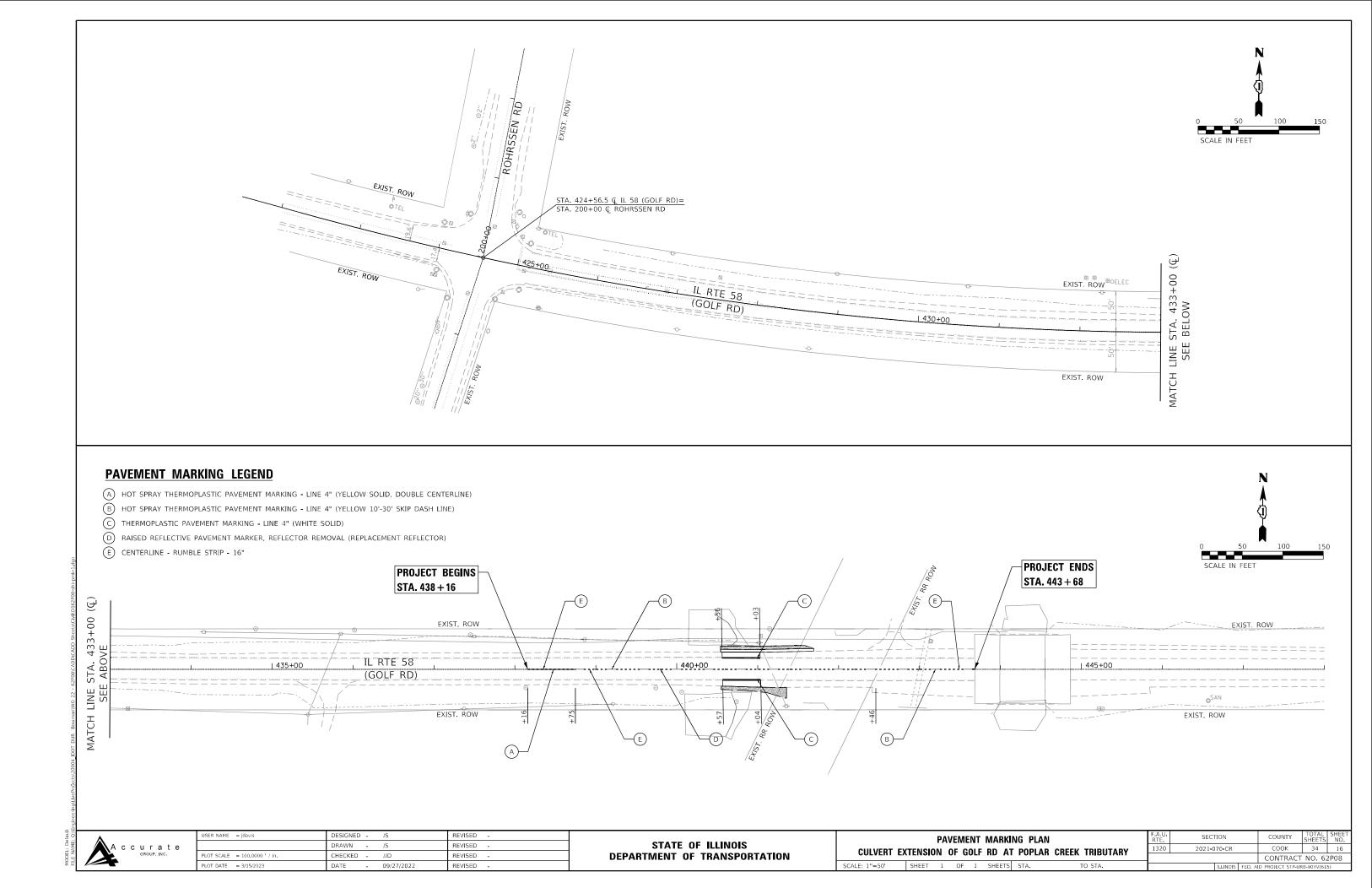
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	DRAWN	-	JS	REVISED -
PLOT SCALE = 2,0000 / in.	CHECKED	-	JJD	REVISED -
PLOT DATE = 3/15/2023	DATE	-	09/27/2022	REVISED -

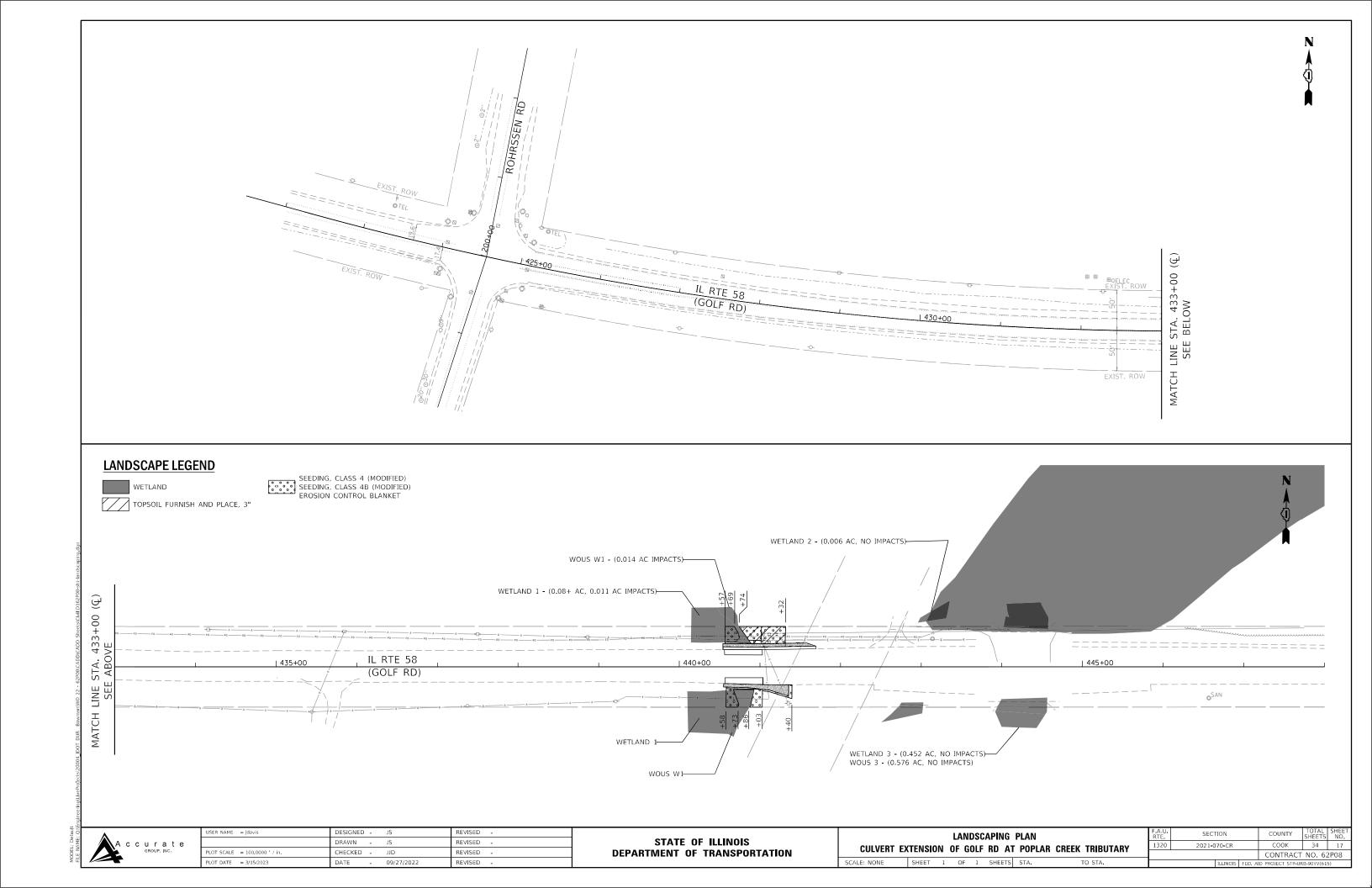
STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION** 

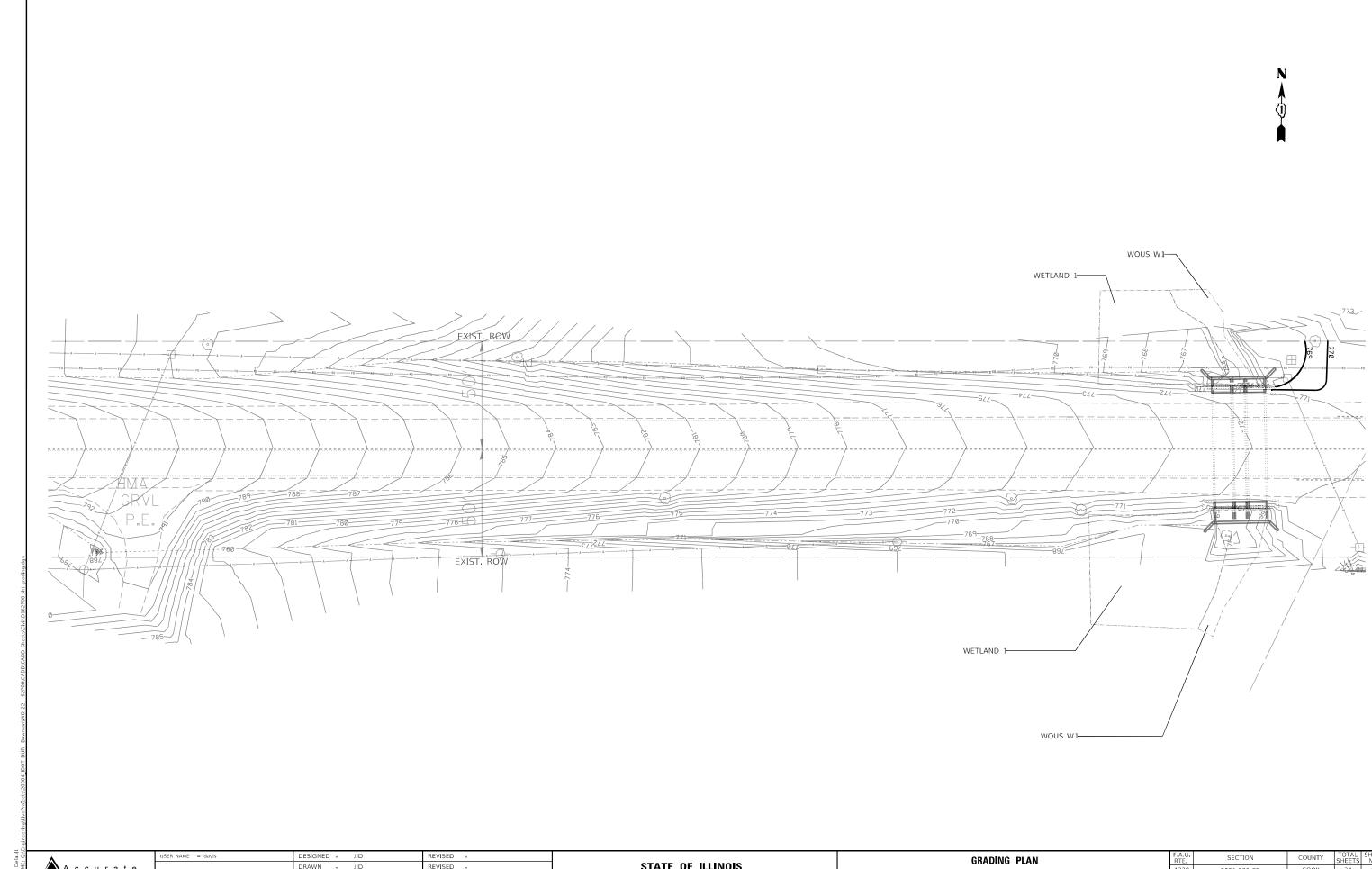
**EROSION AND SEDIMENT CONTROL – GENERAL NOTES** CULVERT EXTENSION OF GOLF RD AT POPLAR CREEK TRIBUTARY SHEET 1 OF 1 SHEETS STA.

SECTION COUNTY 2021-070-CR COOK 34 14 CONTRACT NO. 62P08









DRAWN - JJD REVISED -REVISED - STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

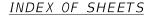
CULVERT EXTENSION OF GOLF RD AT POPLAR CREEK TRIBUTARY SCALE: 1"=50' SHEET 1 OF 1 SHEETS STA.

COUNTY SHEETS NO.

COOK 34 18 2021**-**070**-**CR CONTRACT NO. 62P08

#### Existing Structure: The structure is a three-cell cast-in-place concrete culvert with an original 5'x4' single-cell flanked by two 8'x4' cells which were constructed Stone Riprap Class A4 Exist. Power Pole and Aerial Line in 1929. The structure carries F.A.U. 1320 / IL 58 over a Poplar Creek Tributary. The existing culvert has a length of 56'-6" and is to be partially removed and extended as shown in these plans. Strong Post Guardrail -Attached to Culvert. See Traffic Control: Standard 630101-10, typ. Traffic to be maintained using staged construction, see Sheet 3 of 8. 67'-9" Out to Out Headwalls Bedding Filter fabric -10'-0" 6'-0" to 8'-0" 14'-0" 6'-0" 14'-0" 7'-3" Extension Shoulder EB Lane WB Lane Shoulder Extension SECTION A-A Varies New Handrail, typ.-Headwall, typ. - Match existing Match existing culvert invert culvert invert 0.25% Temporary Soil Install Retention System, typ. expansion bolts expansion bolts 50'-6" Toewall, typ. Existing Culvert to Existing Culvert to Existing Culvert to Existing Culvert to ELEVATION be Removed Remain in Place Remain in Place be Removed Pay Limits for PGE (below top of box culvert), typ. - Ç IL-58 14'-0'' 14'-0" Stone Riprap, Class A4, typ. EB Lane WB Lane typ. Flow Flow Proposed Structure -88°55'9" Flow Flow - Sta. 440+79.91 Flow Flow Headwall typ.

PLAN



- 1. General Plan & Elevation
- 2. General Notes & Bill of Material
- 3. Maintenance of Traffic Details
- 4. Culvert Limits of Partial Removal & Replacement
- 5. Plan of Top Slab
- 6. Plan of Bottom Slab
- 7. Culvert Details
- 8. Handrail Details

#### SCOPE OF WORK

- 1. Clean Existing Culvert cells.
- 2. Remove 3' of both ends of culvert and extend culvert in both directions.
- 3. Install new Strong Post Guardrail over the culvert.
- 4. Install new Handrail.
- 5. Install A4 Riprap.
- 6. Install Expansion Bolts for culvert extensions.

#### DESIGN SPECIFICATIONS

2002 AASHTO Standard Specifications for Highway Bridges

> <u>LOADING HS-20</u> Existing and Proposed

#### DESIGN STRESSES

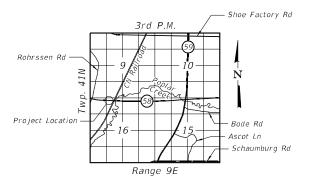
FIELD UNITS (NEW CONSTRUCTION)

f'c = 3,500 psi

fy = 60,000 psi (Reinforcement)

#### WATERWAY INFORMATION

2-year peak flow = 115 cfs



LOCATION SKETCH

GENERAL PLAN & ELEVATION

IL 58 OVER POPLAR CREEK TRIBUTARY

SECTION 2021-070-CR

COOK COUNTY

STATION 440+79.91

STRUCTURE NO. 016-7945

Bowman Street Debts, Sulter 1990 CHECKED - AT REVISED - CHECKED - AJN REVISED - CHECKED - AJN REVISED - DRAWN - AT REVISED - DEPARTMENT OF THE PLOT SCALE = DRAWN - AT REVISED - DRAWN - AT REV

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Exist. Splice Box

Exist. Power Pole

GENERAL PLAN & ELEVATION
STRUCTURE NO. 016-7945
SHEET 1 OF 8 SHEETS

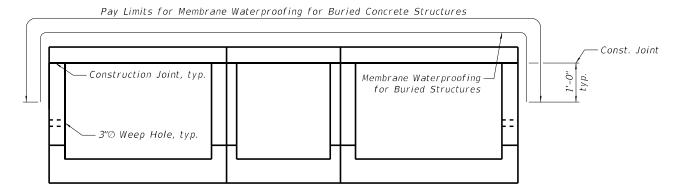
RUCTURA

Temporary Soil

Retention System, typ.

#### GENERAL NOTES

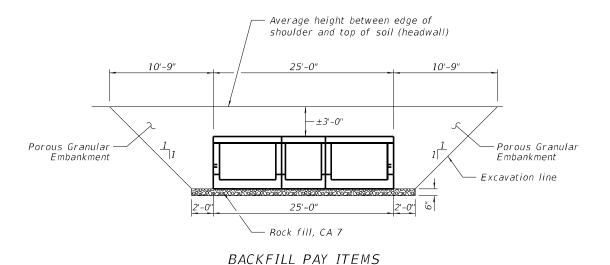
- 1. All exposed concrete edges shall have a 3#4" x 45° chamfer, except where shown otherwise. Chamfer on vertical edges shall be continued a minimum of one foot within finished ground level.
- 2. Reinforcement bars designated "(E)" shall be epoxy coated.
- 3. Reinforcement bar bending details shall be in accordance with the latest "Manual of Standard Practice for Detailing Reinforced Concrete Structures, ACI 315.
- 4. Reinforcement bar bending dimensions are out to out.
- 5. Cover from the face of concrete to face of reinforcement bars shall be 3" for surfaces formed against earth and 2" for all other surfaces unless otherwise shown.
- 6. Plan dimensions and details relative to existing plans are subject to routine variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished based upon the unit price bid for the work.
- Contractor shall not scale dimensions from the Contract Plans for construction purposes. Scales shown are for information only.
- 8. No construction joints except those shown on the plans shall be allowed unless approved by the Engineer.
- 9. No concrete cutting shall be permitted until the cutting limits have been outlined by the Contractor and approved by the Engineer.
- 10. It shall be the Contractor's responsibility to verify the location of all utilities prior to starting construction. Contact J.U.L.I.E., 800-892-0123.
- 11. During construction, OSHA requires that a minimum of thirteen (13) feet working clearance must be maintained between the booms, arms or other parts that can be raised on the equipment by the contractor and Comed's existing electric transmission lines.
- 12. Temporary Soil Retention System shall be designed by the Contractor.
- 13. Cleaning, removing and disposing of all debris and obstructions outside the limits of the existing culvert cells is included in the "Box Culvert to be Cleaned" pay item.
- 14. Existing reinforcement bars extending into the removal area shall be cleaned, straightened, and incorporated into the new construction. Any reinforcement bars that are damaged during concrete removal shall be replaced with an approved bar splicer or anchorage system. Cost included with Concrete Removal.

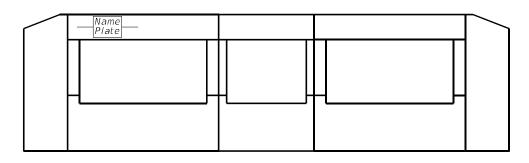


#### MEMBRANE WATERPROOFING DETAIL

#### TOTAL BILL OF MATERIAL

PAY ITEM	ITEM	UNIT	TOTAL
20700220	Porous Granular Embankment	CU YD	129
21001000	Geotechnical Fabric for Ground Stabilization	SQ YD	70
28100107	Stone Riprap, Class A4	SQ YD	71
28200200	Filter Fabric	SQ YD	104
50102400	Concrete Removal	CU YD	23.6
50200100	Structure Excavation	CU YD	197
50800205	Reinforcement Bars, Epoxy Coated	POUND	9,250
50901760	Pipe Handrail	F00T	45.0
51500100	Name Plates	EACH	1
52200020	Temporary Soil Retention System	SQ FT	378
54002040	Expansion Bolts $\frac{3}{4}$ inch x 6 inch	EACH	100
54003000	Concrete Box Culverts	CU YD	41.3
60905305	Box Culverts to be Cleaned	F00T	179.5
X0900064	Membrane Waterproofing System for Buried Structures	SQ YD	56.9
Z0012754	Structural Repair of Concrete (Depth Equal to or Less Than 5 Inches)	SQ FT	72.0
Z0054400	Rock Fill	CU YD	14.2





NAME PLATE LOCATION

(South End Section, Looking North)

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

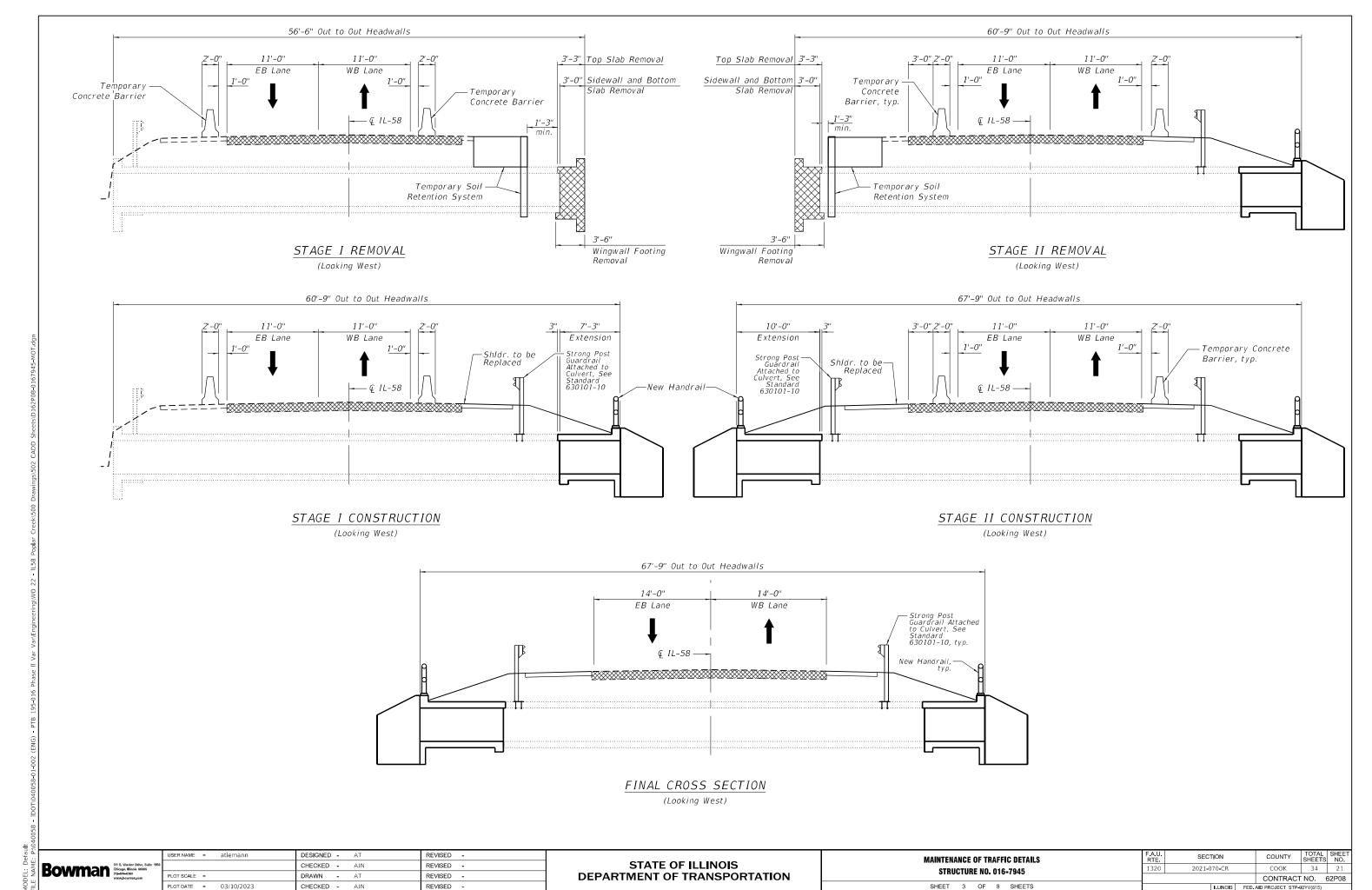
STATION 440+79.91

BUILT 1929 AND EXTENDED 202\_ BY STATE OF ILLINOIS

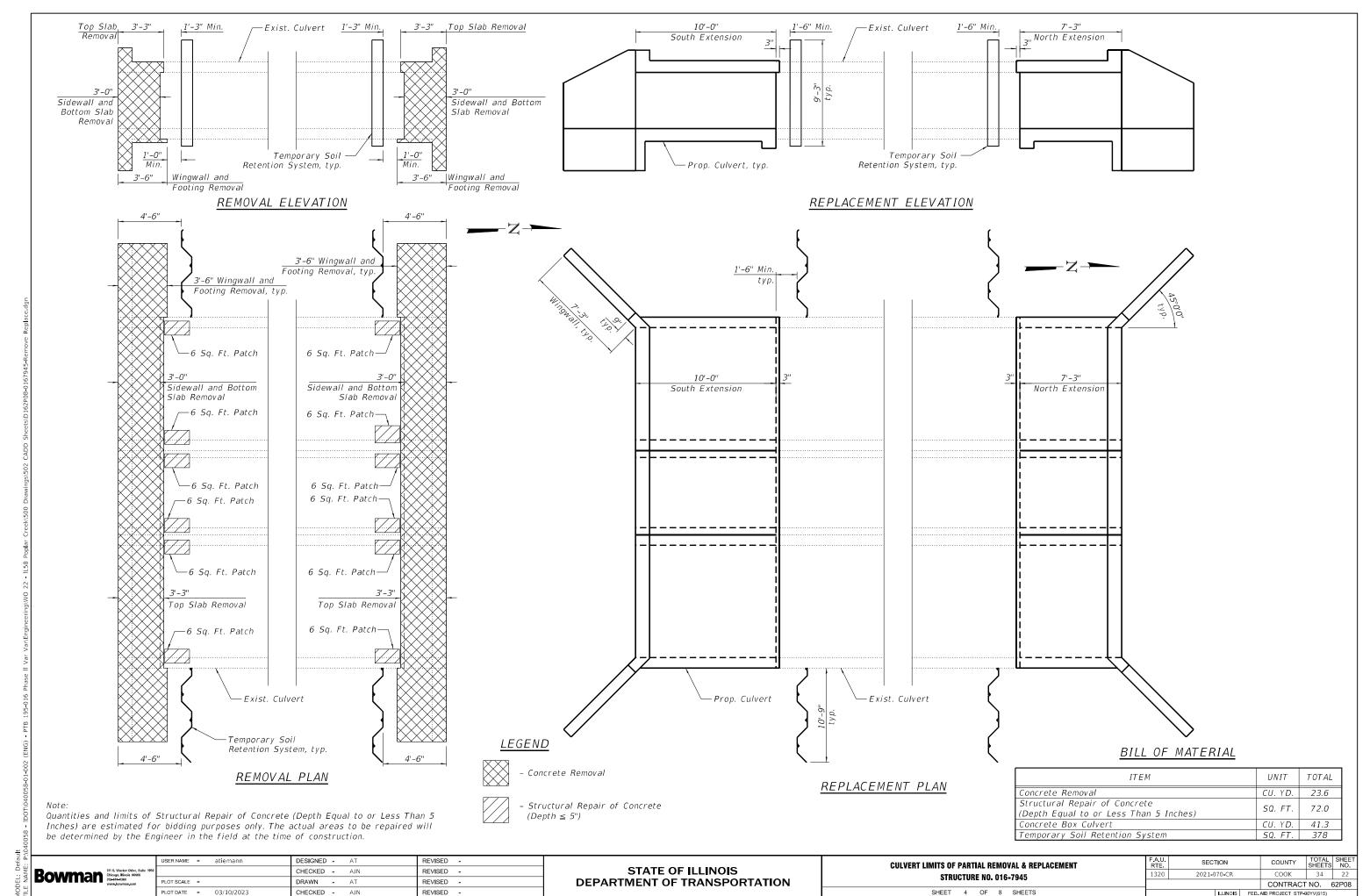
LOADING HS-20 STRUCTURE NO. 016-7945

NAME PLATE
See Std. 515001

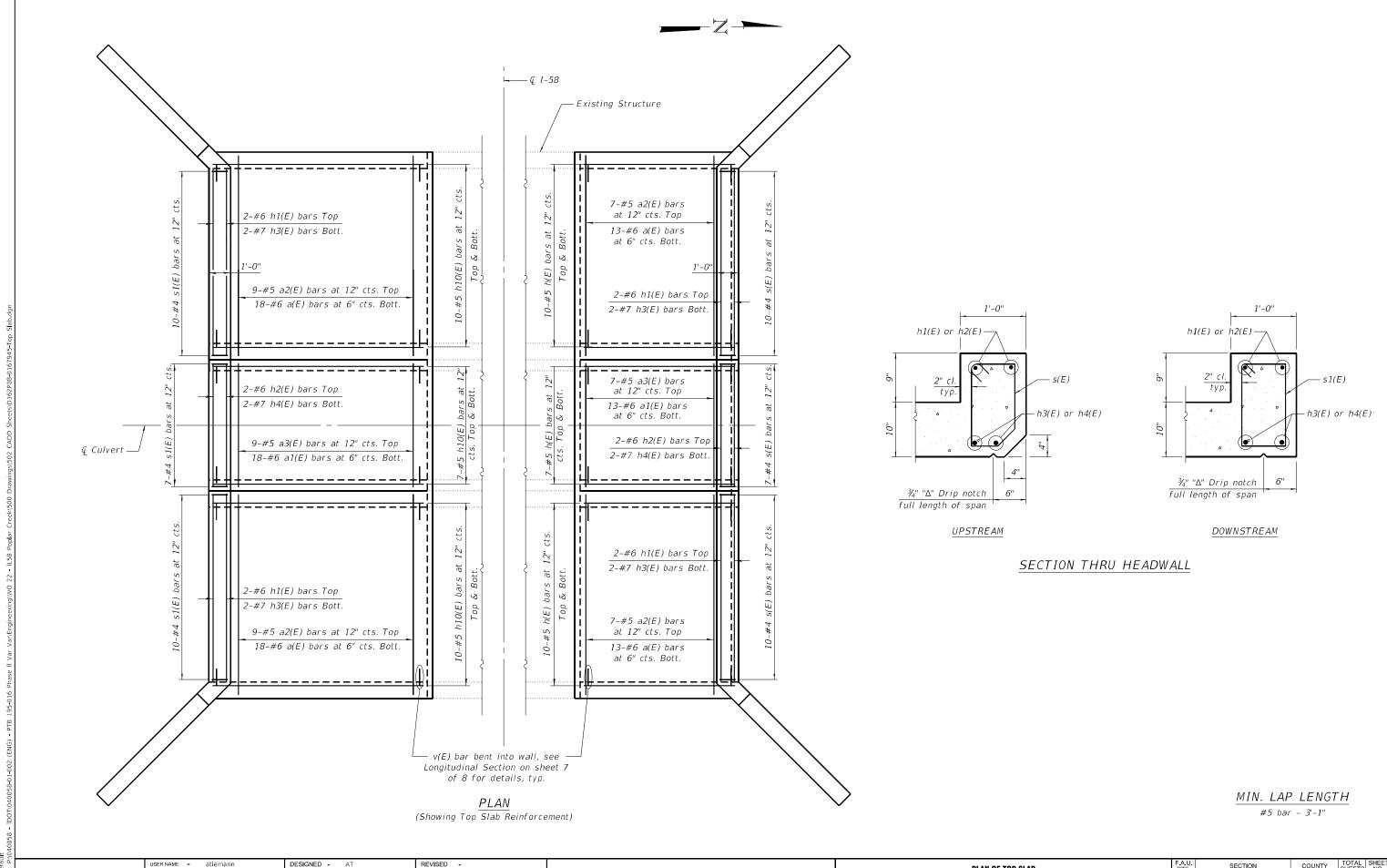
| F.A.U. | SECTION | COUNTY | TOTAL | SHEETS | STRUCTURE NO. 016-7945 | SHEET | 2 OF 8 SHEETS | SHEETS | SHEETS | SHEET | SHEE



03/10/2023 2:22:07 PM



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03/14/2023 3:33:11 PM

Bowman Chicago, Illinois 608

CHECKED - AJN

DRAWN - AT

CHECKED - AJN

PLOT DATE = 03/14/2023

REVISED -

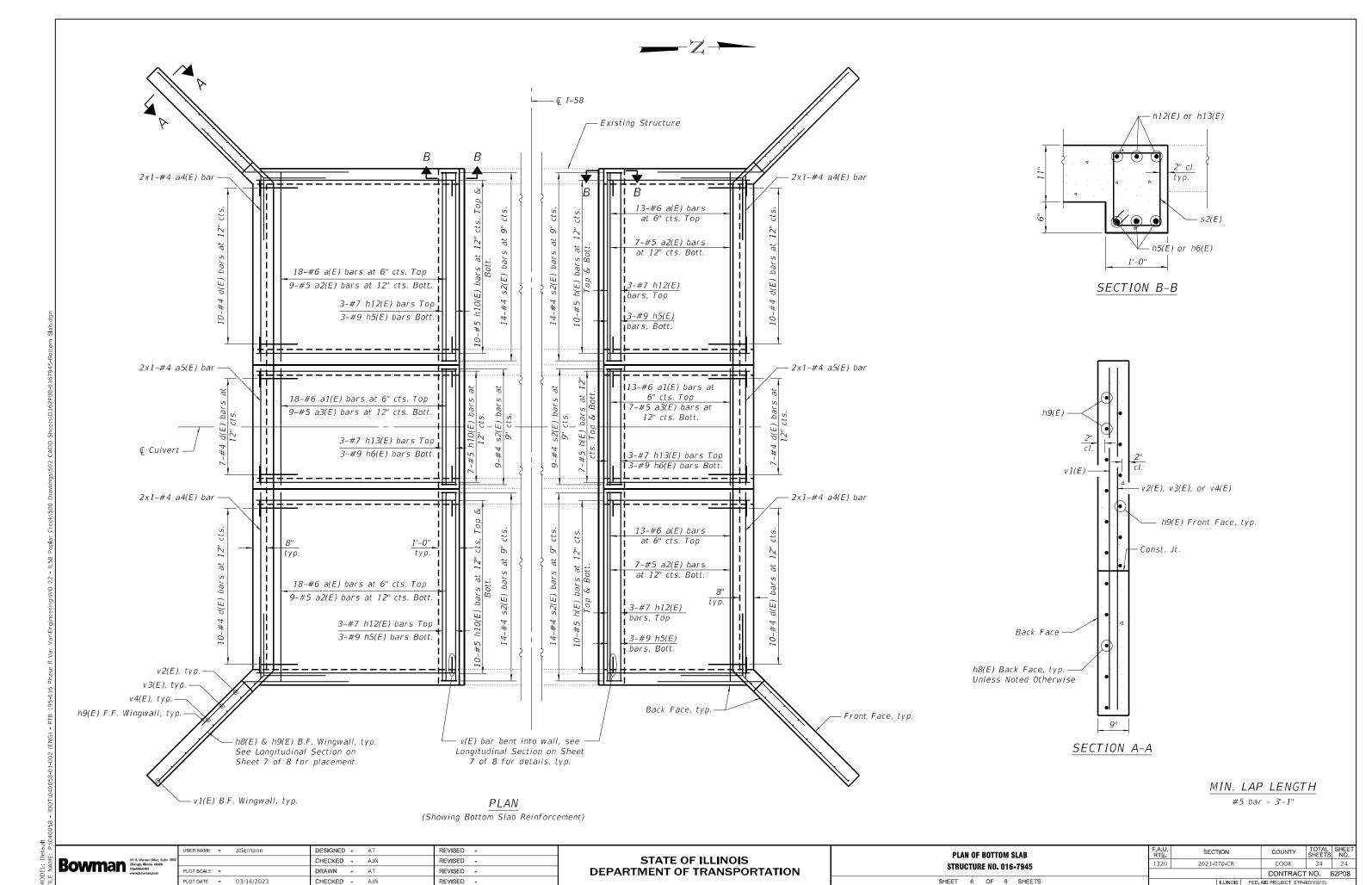
REVISED -

REVISED -

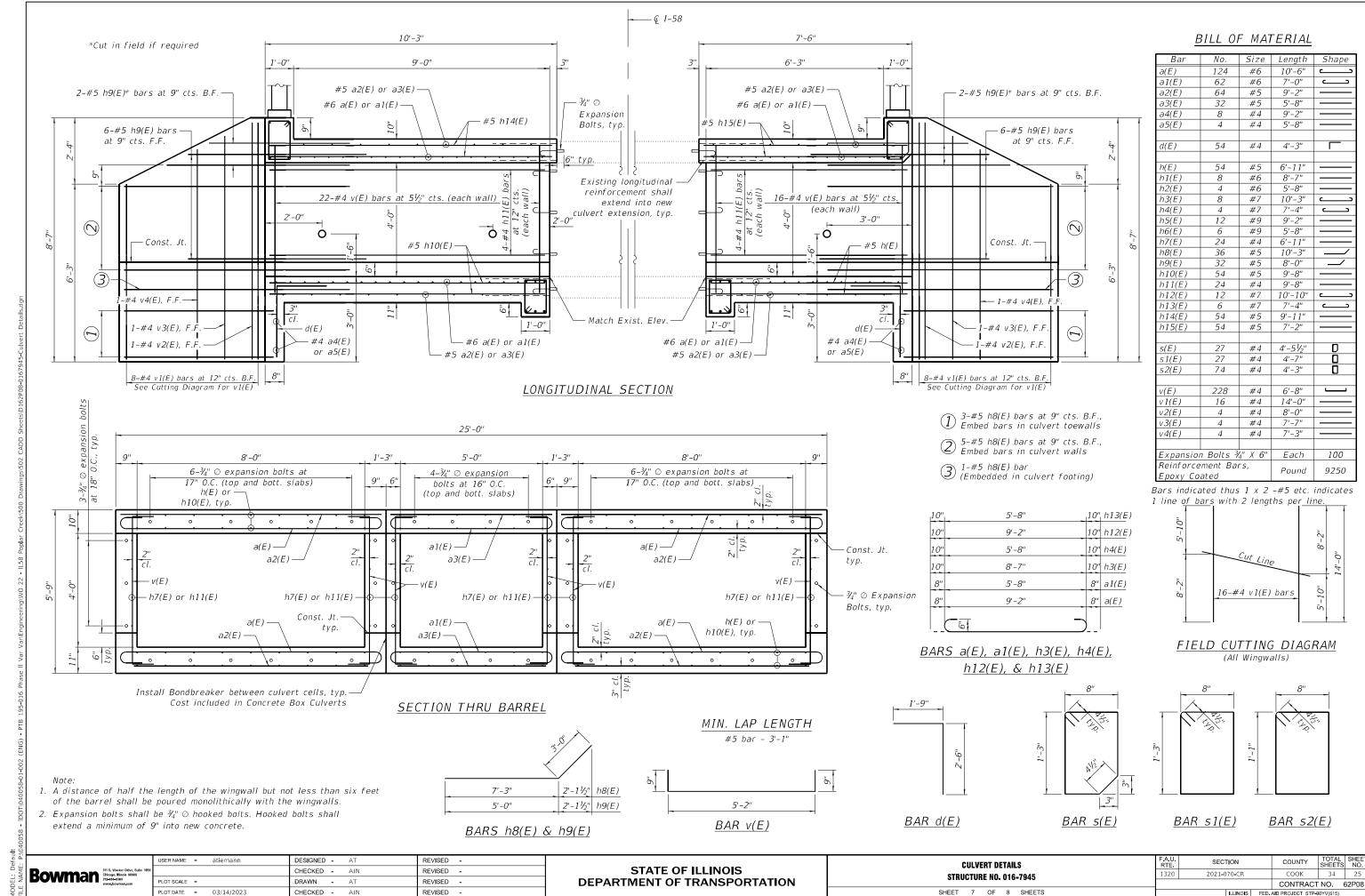
STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION** 

PLAN OF TOP SLAB STRUCTURE NO. 016-7945 SHEET 5 OF 8 SHEETS

SECTION COUNTY 2021-070-CR COOK CONTRACT NO. 62P08

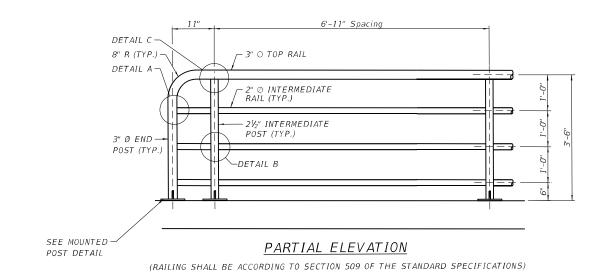


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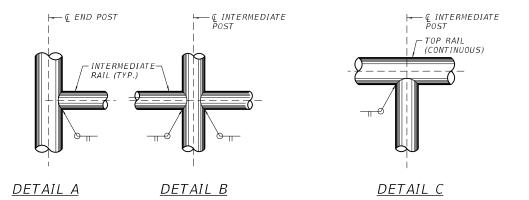
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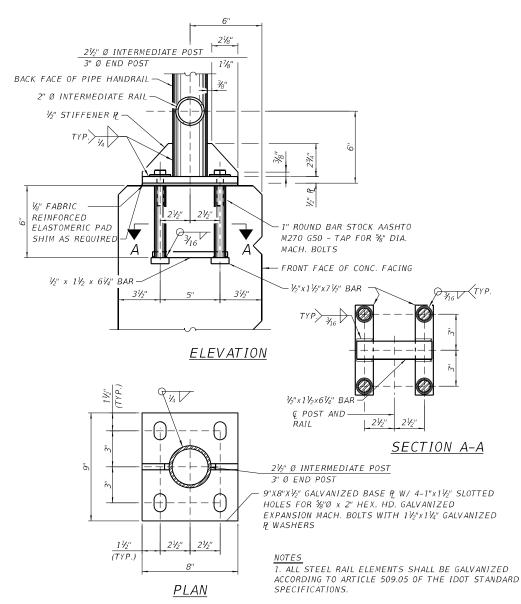
#### NORTH & SOUTH END OF CULVERT



BILL OF MATERIAL

	ITEM	UNIT	QUANTITY		
I	PIPE HANDRAIL	FOOT	45		





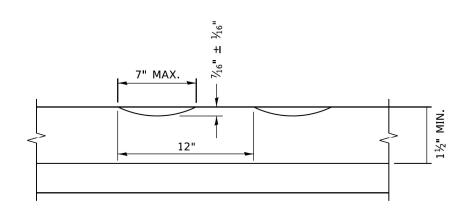
<u> DETAIL - WALL MOUNTED POST</u>

Bowman 111 8, Wacker Delay, Suller 1959

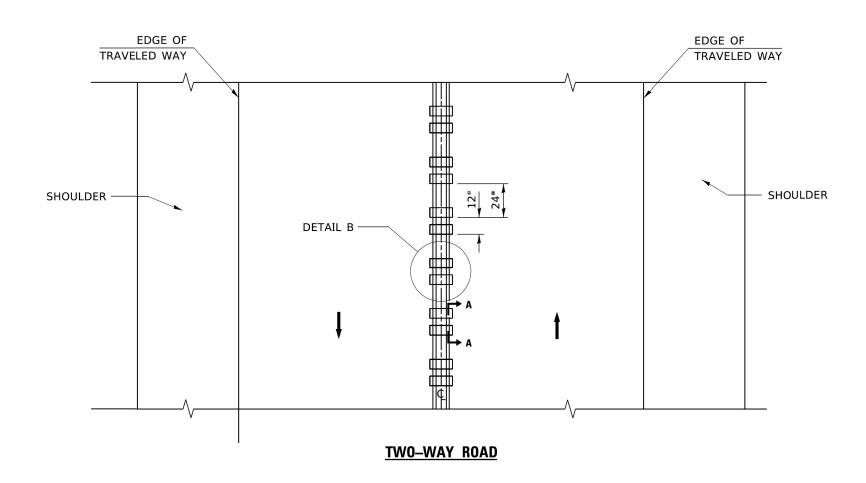
21-24-0-2-00 Pt.O.
Pt.O.
Pt.O.
Pt.O.
Pt.O.

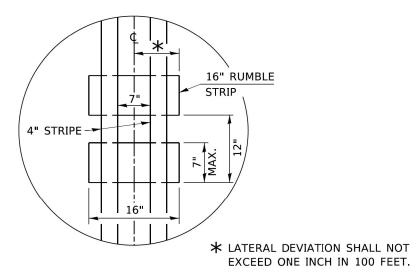
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

03/10/2023 2:22:10 PM



#### SECTION A-A





#### **DETAIL B**

#### **GENERAL NOTES**

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

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

ALL RUMBLE STRIPS SHALL BE MILLED.

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

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

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

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

#### **BASIS OF PAYMENT**

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

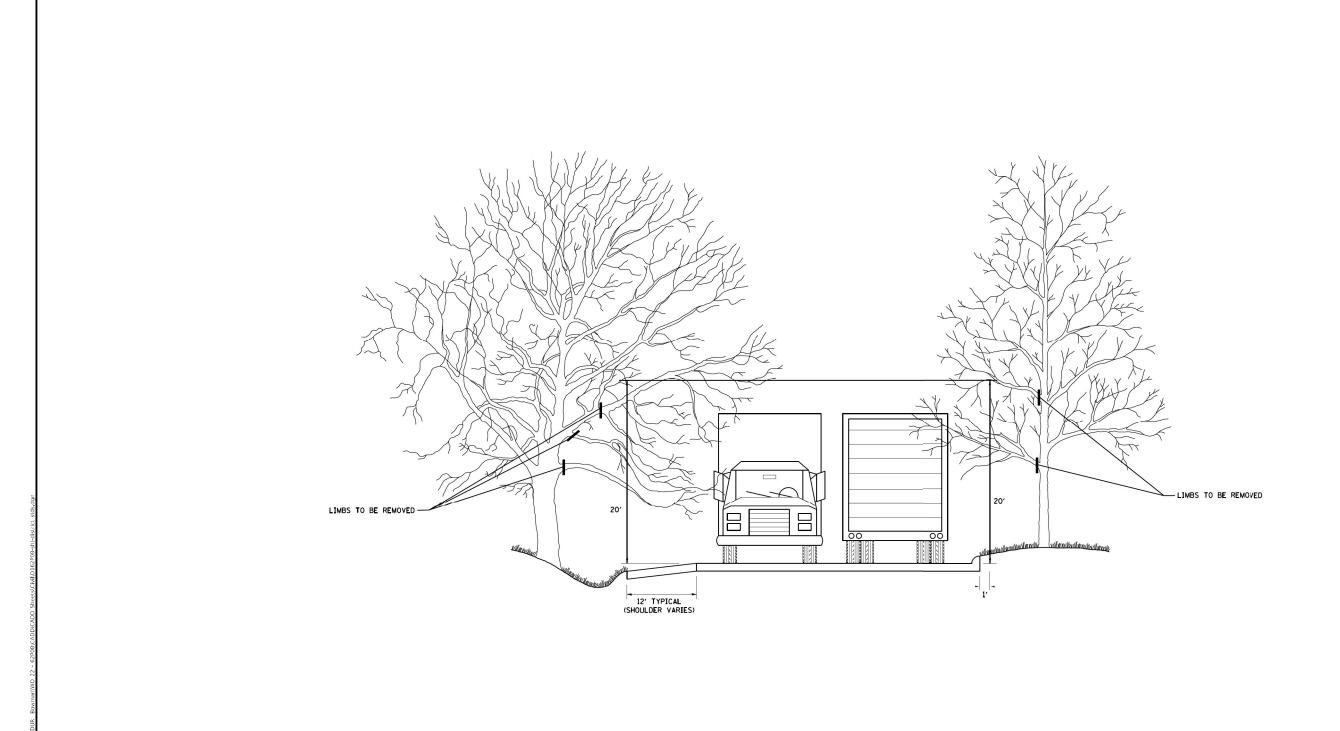
HOT-SPRAY THERMOPLASTIC PAVEMENT MARKING WILL BE USED OVER THE RUMBLE STRIPS, AND WILL BE PAID FOR SEPARATELY.

USER NAME = footemj	DESIGNED - R. BORO	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 3/27/2019	DATE - 08-06-2012	REVISED -

SCALE: NONE

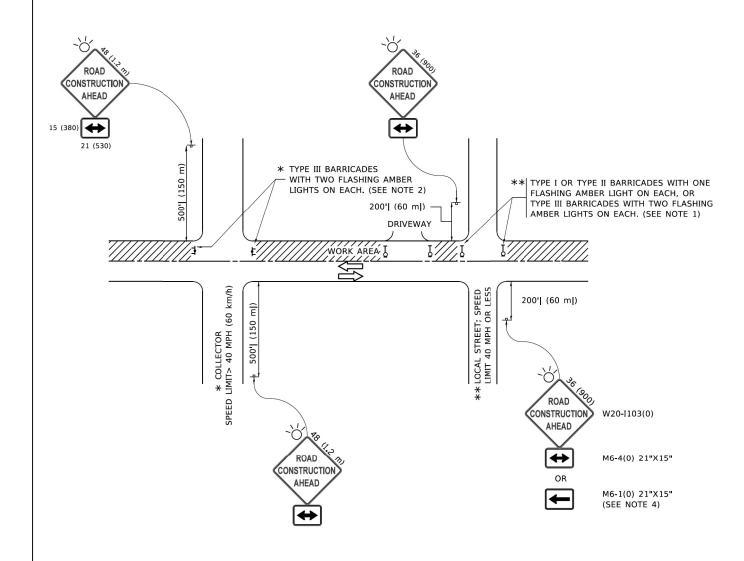
								F.A.∪ RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
U	UMBLE STRIPS FOR CENTERLINE, NON–FREEWAY					NON-FREEWAY	1320	2021-070-CR	COOK	34	27	
									BD 55	CONTRACT	NO. 62	2P08
	SHEET	1	OF	1	SHEETS	STA.	TO STA.		ILLINOIS FED.	AID PROJECT STP-UI	RB-90YV(61)	5)

FILE NAME: Q:\Engineering\LivePro



FILE NAME = USER NAME = gaglianobt DESIGNED REVISED - R. BORO 10-31-06 SECTION PRUNING FOR SAFETY AND STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION V:\diststd\22x34\bm20.dgn DRAWN REVISED 2021**-**070**-**CR EQUIPMENT CLEARANCE REVISED PLOT SCALE = 50.000 '/ [N. CHECKED BM-20 FED. ROAD DIST. NO. 1 | ILLINOIS | FE CONTRACT NO. 62P08

ID PROJECTSTP-URB-90YV(615) DATE REVISED SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.



#### 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.
- 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.
- THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY
  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)
- WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE
  4. SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL
  BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).

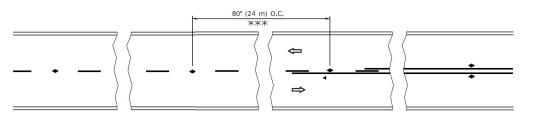
- 5. WHEN WORK IS BEING PERFORMED ON A SIDE ROAD OR DRIVEWAY, FOLLOW THE APPLICABLE STANDARD(S). THE DIRECTIONAL ARROW (M6-1 OR M6-4) SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE TRAFFIC CONTROL SET-UP.
- 6. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAYS UNLESS OTHERWISE SPECIFIED 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.

USER NAME = footemj	DESIGNED - L.H.A.	REVISED	- A. HOUSEH 10-15-96
	DRAWN -	REVISED	- T. RAMMACHER 01-06-00
PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED	- A. SCHUETZE 07-01-13
PLOT DATE = 3/4/2019	DATE - 06-89	REVISED	_ A. SCHUETZE 09-15-16

SI	DE RO	ΑD	S, INTI	ERS	SECTIONS	S, AND	TION FOR DRIVEWAYS	
	SHEET	1	OF	1	SHEETS	STA.	TO STA	ζ.

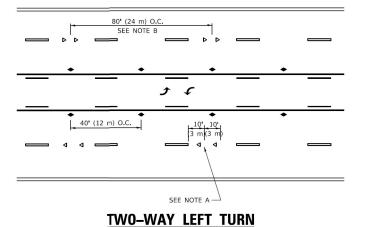
F.A.U RTE	SECTION		COUNTY	TOTAL SHEETS	SHE
1320 2021-070-CR			COOK	34	2
	TC-10	CONTRACT	NO. 62	2P08	
	ILLINOIS	ID PROJECT STP-UF	RB-90YV(61:	ō)	



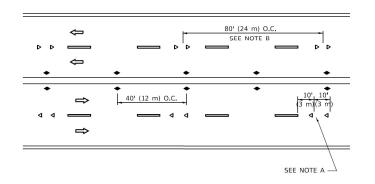
\*\*\* REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

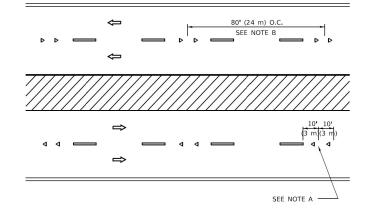
# 3 @ 40' (12 m) O.C. $\Rightarrow$ LANE REDUCTION TRANSITION

SEE FIGURE 3B-14 MUTCD



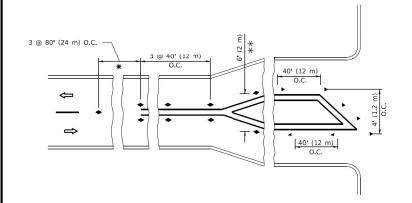
#### TW0-LANE/TW0-WAY

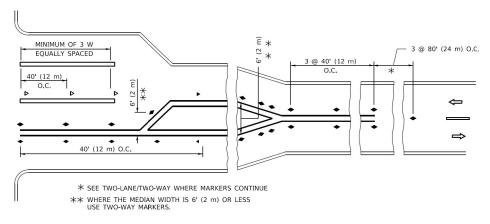




#### MULTI-LANE/UNDIVIDED







## **TURN LANES**

#### **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
- 4. MARKERS ARE TO BE USED ADJACENT TO BOTH SOLID WHITE LINES IN DUAL LEFT TURN LANES

#### 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.

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

REVISED - T. RAMMACHER 03-12-99 USER NAME = footemj DESIGNED -DRAWN REVISED - T. RAMMACHER 01-06-00 PLOT SCALE = 50.0000 ' / in. CHECKED -REVISED - C. JUCIUS 09-09-09 PLOT DATE = 3/4/2019 DATE REVISED -C IUCIUS 07-01-13

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION** 

TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT) SHEET 1 OF 1 SHEETS STA.

SECTION CONTRACT NO. 62P08

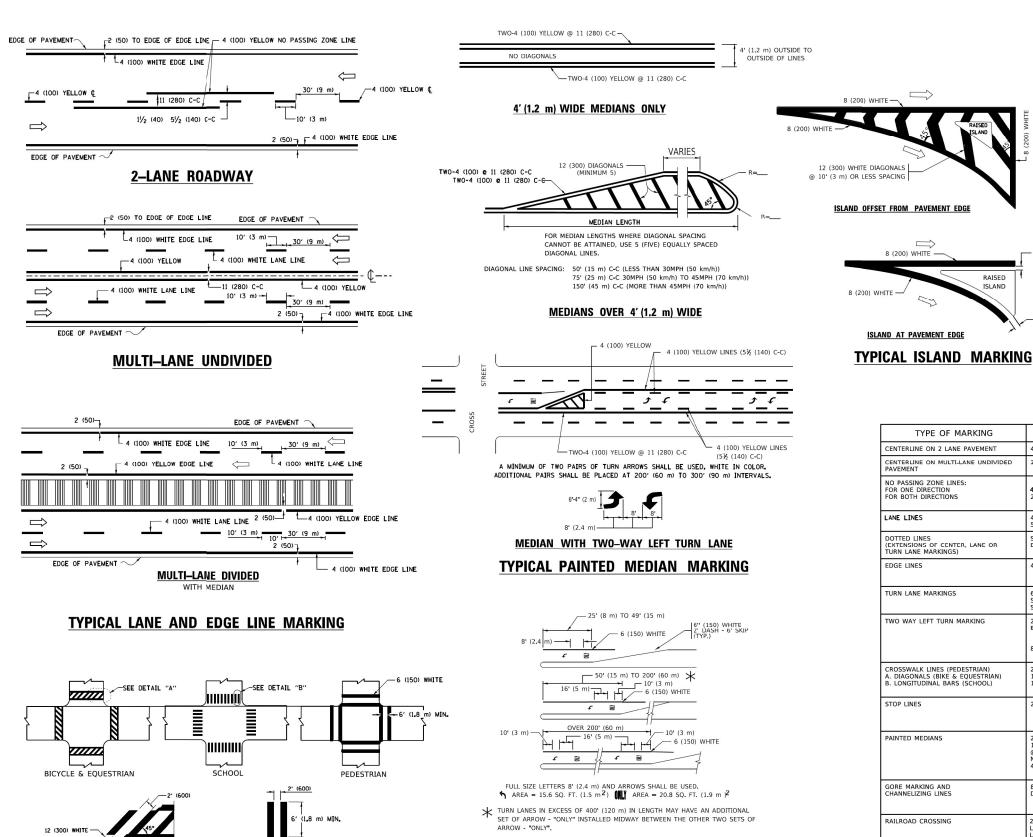
**SYMBOLS** 

ONE-WAY AMBER MARKER

d ONE-WAY CRYSTAL MARKER (W/O) TWO-WAY AMBER MARKER

- YELLOW STRIPE

■ WHITE STRIPE



6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4m)) SEE TYPICAL TURN LANE MARKING DETAIL TURN LANE MARKINGS SOLID TWO WAY LEFT TURN MARKING YELLOW 10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5½ (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL 3' (2.4m) LEFT ARROW CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL) NOT LESS THAN 6' (1.8 m) APART 2' (600) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS. 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 STOP LINES 24 (600) SOLID WHITE PAINTED MEDIANS SOLID 11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING. 2 @ 4 (100) WITH 12 (300) DIAGONALS YELLOW: TWO WAY TRAFFIC WHITE: ONE WAY TRAFFIC NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS GORE MARKING AND CHANNELIZING LINES 8 (200) WITH 12 (300) DIAGONALS @ 45° SOLID 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)) 24 (600) TRANSVERSE LINES; "RR" IS 6' (1.8 m) LETTERS; 16 (400) LINE FOR "X" RAILROAD CROSSING SOLID WHITE SEE STATE STANDARD 780001 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)) TYPICAL LEFT (OR RIGHT) TURN LANE WHITE - RIGHT YELLOW - LEFT SHOULDER DIAGONALS (REQUIRED FOR 12 (300) @ 45° SOLID SHOULDERS > 8') U TURN ARROW SEE DETAIL SOLID WHITE TYPICAL TURN LANE MARKING

32 R (810)

2 (50)

2 (50)

WIDTH OF LINE

(125) ON FREEWAYS

SAME AS LINE BEING EXTENDED

4 (100) 2 @ 4 (100)

4 (100)

RAISED

COMBINATION

LEFT AND U-TURN

5'-4" (1620)

**U-TURN** 

YELLOW

WHITE

COLOR

SAME AS LINE BEING

YELLOW-LEFT WHITE-RIGHT

PATTERN

SKIP-DASH SKIP-DASH

SKIP-DASH

SOLID

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

2 ARROW COMBINATION LEFT AND U TURN

8 (200) WHITE -

ISLAND AT PAVEMENT EDGE

TYPE OF MARKING

CENTERLINE ON 2 LANE PAVEMENT

EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)

NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS

LANE LINES

EDGE LINES

DOTTED LINES

unless otherwise shown.

D(FT)

425

750

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

SPACING / REMARKS

10' (3 m) LINE WITH 30' (9 m) SPACE

5½ (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN

10' (3 m) LINE WITH 30' (9 m) SPACE

2' (600) LINE WITH 6' (1.8 m) SPACE

OUTLINE MEDIANS IN YELLOW

SPEED LIMIT

35

USER NAME = footemj	DESIGNED - EVERS	REVISED	-	C. JUCIUS 09-09-09
	DRAWN -	REVISED	-	C. JUCIUS 07-01-13
PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED	-	C. JUCIUS 12-21-15
PLOT DATE = 3/4/2019	DATE - 03-19-90	REVISED	-	C. JUCIUS 04-12-16

DETAIL "B"

-6 (150) WHITE

TYPICAL CROSSWALK MARKING

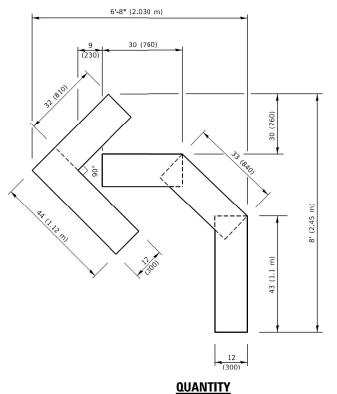
 $m{\star}$  MARKINGS SHALL BE INSTALLED PARALLEL TO THE CENTERLINE OF THE ROAD WHICH IT CROSSES

DETAIL "A"

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION** 

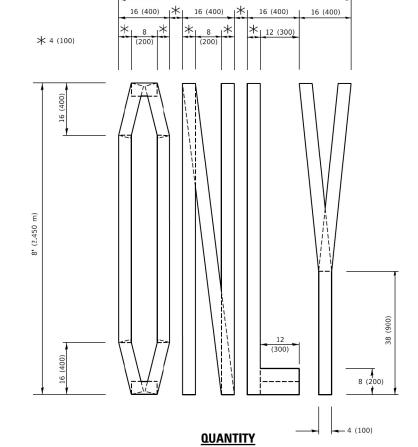
DISTRICT ONE		F.A.U RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TYPICAL PAVEMENT MARKINGS	1320	2021-070-CR	COOK	34	31	
TIFICAL FAVEIVIENT WARKINGS			TC-13	CONTRACT	NO. 62	P08
SHEET 1 OF 2 SHEETS STA.	TO STA.		DUMOIS EED A	D BBOILEOT STP-LIE	R-90YV(615	()

30.4 SF

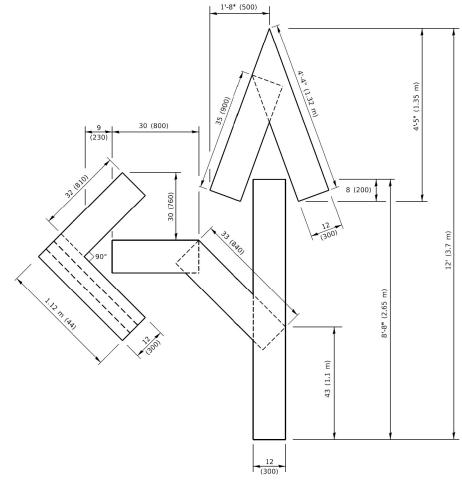


# 4 (100) LINE = 45.5 ft. (13.9 m)

15.2 sq. ft. (1.41 sq. m)



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

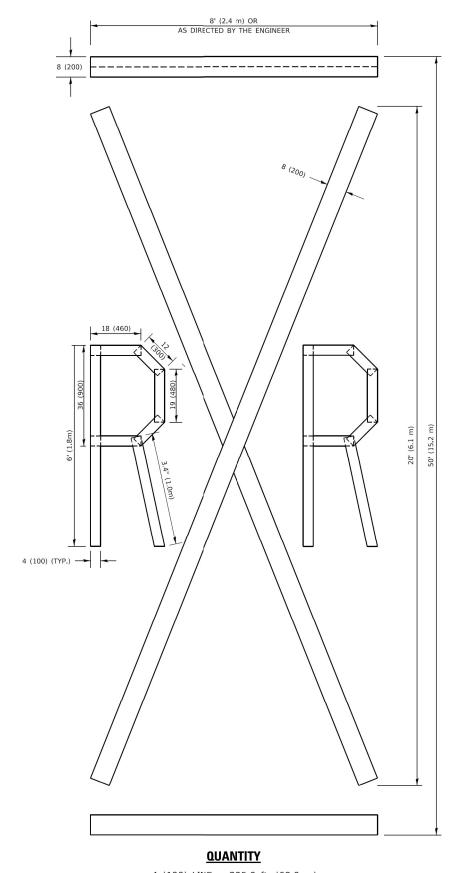


#### QUANTITY

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.



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

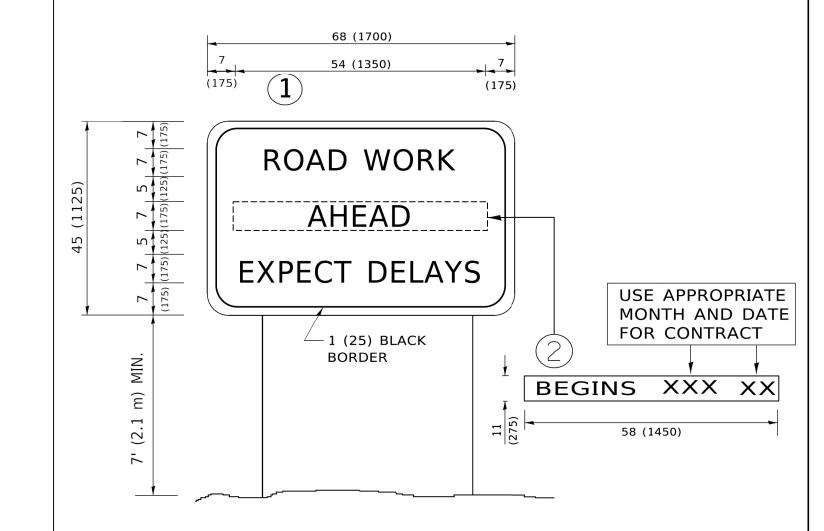
> All dimensions are in inches (millimeters) unless otherwise shown.

USER NAME = footemj	DESIGNED -	REVISED - T. RAMMACHER 03-02-98
	DRAWN -	REVISED - E. GOMEZ 08-28-00
PLOT SCALE = 50.0068 ' / in.	CHECKED -	REVISED - E. GOMEZ 08-28-00
PLOT DATE = 3/4/2019	DATE - 09-18-94	REVISED - A. SCHUETZE 09-15-16

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION** 

	SHORT	TERM	PA	/EMENT	MARKIN	G LETTE	RS AND	SYMBO	LS
CALE:	NONE	SHEE	T 1	OF :	l SHEETS	STA.	-	TO STA.	

F.A.U. RTE.				COUNTY	TOTAL SHEETS	SHEET NO.	
1320	320 2021-070-CR			COOK	34	32	
TC-16				CONTRACT NO. 62P08			
ILLINOIS FED. AII				ID PROJECT STP-UP	B-90YV(61	5)	



# **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.

SCALE: NONE

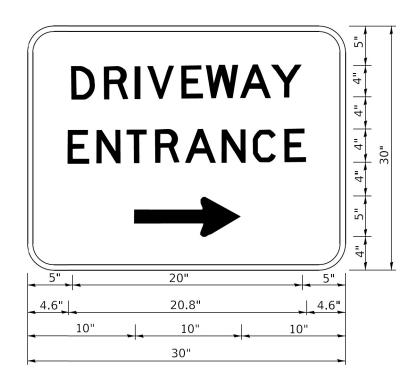
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

USER NAME = footemj	DESIGNED -	REVISED		R. MIRS 09-15-97
	DRAWN -	REVISED	-	R. MIRS 12-11-97
PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED	- T.	RAMMACHER 02-02-99
PLOT DATE = 3/4/2019	DATE -	REVISED		C JUCIUS 01-31-07

STATE OF ILLINOIS						
DEPARTMENT	0F	TRANSPORTATION				

				ERIAL RO MATION		
SHEET	1	OF	1	SHEETS	STA.	

TO STA.



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

#### NOTES:

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

STATE OF ILLINOIS
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SCALE: NONE