

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FOR INDEX OF SHEETS, SEE SHEET NO. 2
FOR LIST OF HIGHWAY STANDARDS, SEE SHEET NO. 2


FUNCTIONAL CLASSIFICATION: MINOR ARTERIAL
POSTED SPEED: 55 MPH
ADT: 5,050 (2019)

**PROPOSED
HIGHWAY PLANS**

FAP ROUTE 852 /US ROUTE 52 (CEDAR ROAD)
OVER DITCH NORTH OF FORKED CREEK (2.9 MILE S OF HOFF ROAD)
SECTION 2020-258-CR
PROJECT NO. STP-N8D8(427)
CULVERT REPLACEMENT
WILL COUNTY
C-91-086-21

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
852	2020-258-CR	WILL	42	1
ILLINOIS			CONTRACT NO. 62N28	

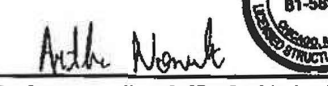
APPLIES TO SHEETS 1-23, 32-33



AMIT J. PATEL
082.089771
LICENSED PROFESSIONAL ENGINEER
OF ILLINOIS

LICENSED CIVIL ENGINEER, STATE OF ILLINOIS
EXPIRES: 11/30/2021

APPLIES TO SHEETS 24-31



ARTHUR NOWAK
B1-5894
LICENSED STRUCTURAL ENGINEER
OF ILLINOIS

LICENSED STRUCTURAL ENGINEER, STATE OF ILLINOIS
EXPIRES: 11/30/2022

MUNICIPALITIES:
UNINCORPORATED WILTON TOWNSHIP

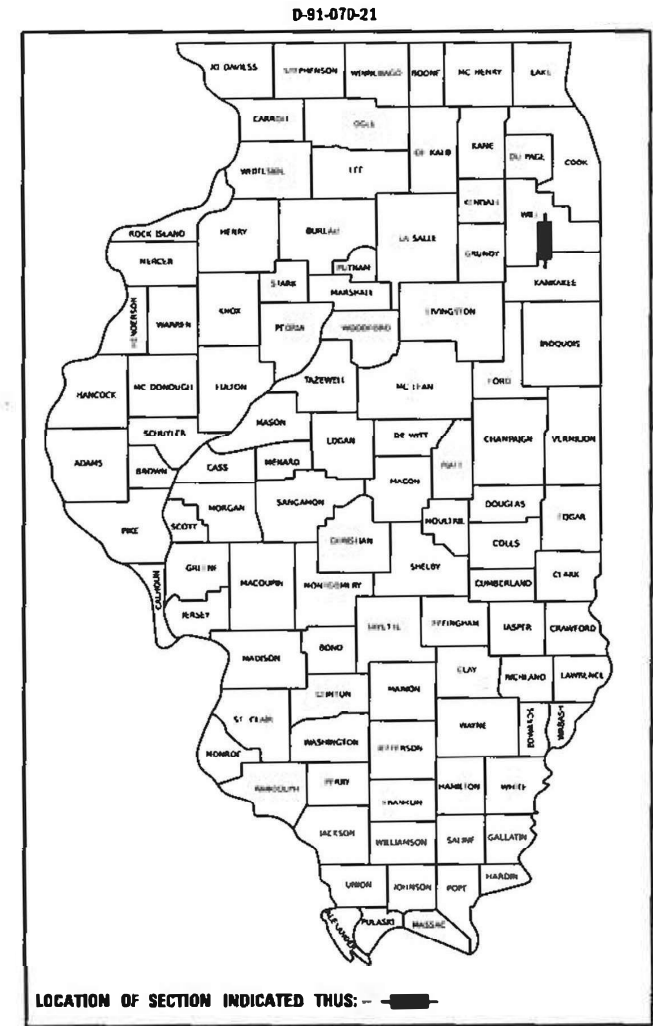
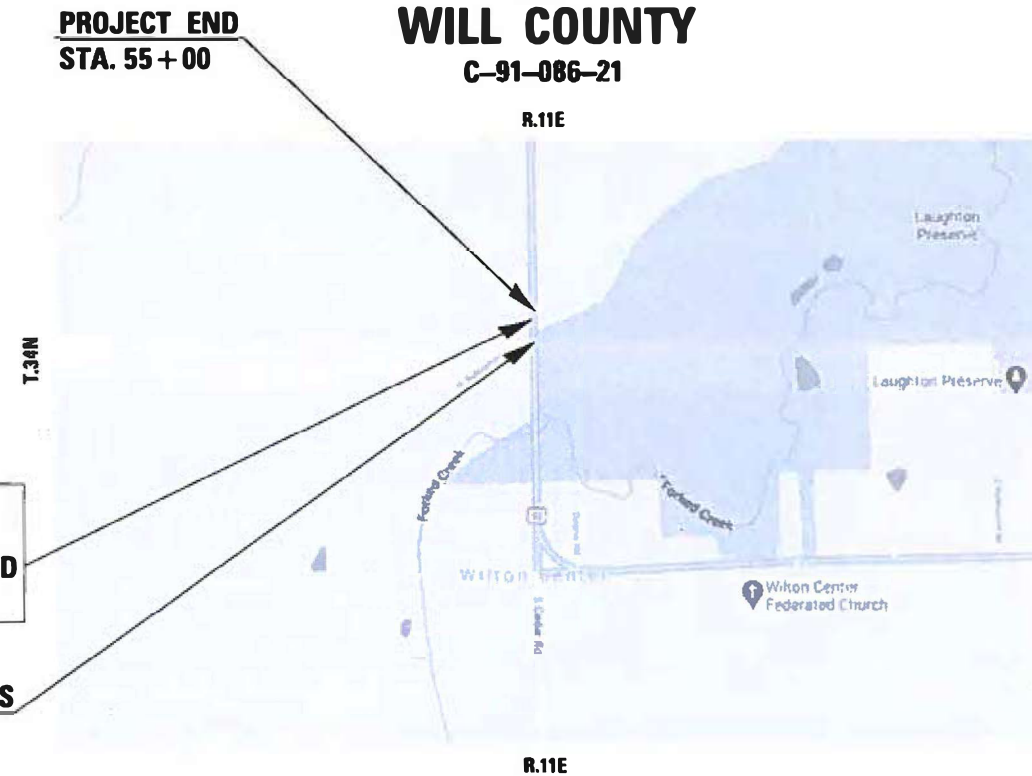


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS THE ABOVE SCALES MAY BE USED.

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

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

CONTRACT NO. 62N28



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED October 18, 2021

Jose Riojas
REGIONAL ENGINEER

December 10, 2021
[Signature]
ENGINEER OF DESIGN AND ENVIRONMENT

December 10, 2021
Stephen M. Smith
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

Bowman
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IDOT HIGHWAY STANDARDS

000001-08	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
001006	DECIMAL OF AN INCH AND OF A FOOT
482011-03	HMA SHOULDER STRIPS/SHOULDERS WITH RESURFACING OR WIDENING AND RESURFACING PROJECTS
642006-01	SHOULDER RUMBLE STRIPS, 8"
701321-18	LANE CLOSURE, 2L, 2W BRIDGE REPAIR WITH BARRIER
701326-04	LANE CLOSURE, 2L, 2W, PAVEMENT WIDENING, FOR SPEEDS >= 45 MPH
701901-08	TRAFFIC CONTROL DEVICES
704001-08	TEMPORARY CONCRETE BARRIER
720011-01	METAL POSTS FOR SIGNS, MARKERS AND DELINEATORS
780001-05	TYPICAL PAVEMENT MARKINGS
782006-01	GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS
880001-01	SPAN WIRE MOUNTED SIGNALS AND FLASHING BEACON INSTALLATION

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PLOT DATE = 11/15/2021	DATE - 06/03/2021	REVISIONS -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS AND STATE STANDARDS
US 52 OVER DITCH NORTH OF FORKED CREEK

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
852	2020-258-CR	WILL	42	2
CONTRACT NO. 62N28				
ILLINOIS FED. AID PROJECT				

GENERAL NOTES

1. BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL J.U.L.I.E. AT (800) 892-0123 OR 811 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS UTILITIES. 48 HOUR NOTIFICATION IS REQUIRED.
2. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES AND WILL COUNTY.
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. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
5. THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTY AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.
6. DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.
7. ANY REFERENCE TO A STANDARD IN THESE PLANS SHALL BE INTERPRETED TO MEAN THE EDITION AS INDICATED BY THE SUBNUMBER SHOWN IN THE LIST OF STANDARDS OR THE COPY INCLUDED IN THESE PLANS.
8. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN EXISTING FIELD CONDITIONS BEFORE BIDDING ON THIS CONTRACT.
9. EXISTING UNDERGROUND AND ABOVE-GROUND FACILITIES, STRUCTURES, AND UTILITIES HAVE BEEN PLOTTED ON THESE CONTRACT DOCUMENTS BASED UPON THE INFORMATION AND SURVEYS AVAILABLE AT THE TIME OF DRAWING PREPARATION. THE LOCATION OF THESE FEATURES MUST, THEREFORE, BE CONSIDERED APPROXIMATE ONLY. IN ADDITION, THERE MAY BE OTHER FACILITIES, STRUCTURES, AND UTILITIES WHICH DID NOT EXIST OR THE EXISTENCE OF WHICH WAS NOT KNOWN AT THE TIME OF DRAWING PREPARATION. IT IS THE SOLE RESPONSIBILITY OF CONTRACTOR(S) TO HAVE ALL EXISTING FACILITIES, STRUCTURES, AND UTILITIES LOCATED IN THE FIELD PRIOR TO ANY EXCAVATION OR CONSTRUCTION ACTIVITY AND TO PROTECT ALL SUCH EXISTING FEATURES DURING CONSTRUCTION.
10. ANY REFERENCE TO STANDARD IN THESE PLANS SHALL BE INTERPRETED TO MEAN THE LATEST EDITION.
11. ALL DAMAGE TO EXISTING PAVEMENT MARKINGS OR RAISED REFLECTIVE PAVEMENT MARKERS OUTSIDE THE REMOVAL LINE SHOWN ON THE PLANS SHALL BE REPLACED AT NO ADDITIONAL COST TO THE DEPARTMENT.
12. THE CONTRACTOR SHALL CONTACT KALPANA KANNAN-HOSADURGA, THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR, AT KALPANA.KANNAN-HOSADURGA@ILLINOIS.GOV A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
13. THE RESIDENT ENGINEER SHALL CONTACT ERIC CAMPOS, TRAFFIC FIELD ENGINEER, AT ERIC.CAMPOS@ILLINOIS.GOV A MINIMUM OF TWO (2) WEEKS PRIOR TO THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS.
14. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE NOTIFICATION OF ALL EMERGENCY SERVICES, SCHOOL DISTRICTS, I.D.O.T.'S COMMUNICATIONS CENTER, SPRINGFIELD TRUCK PERMIT SECTION AND OTHER AGENCIES AFFECTED BY THE CLOSURE. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR POSTING SIGNS THAT WILL INDICATE THE DATES THE CLOSURE WILL BE IN PLACE.
15. SAWING OF REMOVAL ITEMS AS NOTED ON THE PLANS, SPECIFIED IN THE STANDARD SPECIFICATIONS, OR AS REQUIRED BY THE ENGINEER SHALL BE INCLUDED IN THE COST OF THE ITEM BEING REMOVED.
16. ABANDONED UNDERGROUND UTILITIES THAT CONFLICT WITH CONSTRUCTION SHALL BE DISPOSED OF OUTSIDE THE LIMITS OF THE RIGHT OF WAY ACCORDING TO ARTICLE 202.03 OF THE STANDARD SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE COST OF EARTH EXCAVATION.
17. ONLY THOSE TREES DESIGNATED BY THE ENGINEER, LISTED IN THE TREE REMOVAL SCHEDULE, OR SHOWN IN THE PLANS SHALL BE REMOVED. THE CONTRACTOR SHALL PROTECT ALL REMAINING TREES FROM DAMAGE DUE TO HIS/HER OPERATIONS.
18. BEFORE ORDERING PIPE CULVERTS OR PIPE DRAINS, THE CONTRACTOR SHALL CONSULT THE ENGINEER FOR EXACT LENGTHS.
19. 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 ENGINEER.
20. THE LOCATIONS OF EXISTING DRAINAGE STRUCTURES, STORM SEWER, WATER MAIN, SANITARY SEWER, AND 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. THIS WORK SHALL BE PER ARTICLES 105.07 AND 107.31 OF THE STANDARD SPECIFICATIONS. WHEN REQUIRED, LOCATING UTILITIES SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER FOOT FOR EXPLORATION TRENCH, SPECIAL.
21. ANY AGGREGATE SUBGRADE IMPROVEMENT CONTAMINATED AND/OR DAMAGED BY THE CONTRACTOR'S VEHICLES AND/OR EQUIPMENT IS TO BE REMOVED AND REPLACED AS DIRECTED BY THE ENGINEER AT CONTRACTOR EXPENSE.
22. ALL TEMPORARY AND PERMANENT PAVEMENT MARKINGS SHALL FOLLOW DISTRICT ONE STANDARD TC-13.
23. THE CONTRACTOR SHALL CONTACT THE IDOT ROADSIDE DEVELOPMENT UNIT AT (847) 705-4171 AT LEAST TWO WEEKS PRIOR TO BEGINNING LANDSCAPE AND FORESTRY WORK.
24. ALL TEMPORARY EROSION CONTROL MEASURES SHALL BE PROVIDED TO PROTECT ROADWAY, ADJACENT PROPERTIES, AND WATER COURSES AS PER SECTION 280 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION.

COMMITMENTS:

NONE

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES
US 52 OVER DITCH NORTH OF FORKED CREEK

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


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
852	2020-258-CR	WILL	42	3
CONTRACT NO. 62N28				
ILLINOIS FED. AID PROJECT				

USER NAME = kjejtmanek	DESIGNED - KH	REVISED -
	DRAWN - KM	REVISED -
PLOT SCALE = 2,0000 ' / in.	CHECKED - AP	REVISED -
PLOT DATE = 06/04/2021	DATE - 06/03/2021	REVISED -

CODE NO.	ITEM	UNIT	TOTAL QUANTITY URBAN	CONSTRUCTION CODE	
				80% FED 20% STATE	
				BRIDGE REPLACE	
				0004	
				SN 099-8326	
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	27	27	
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	56	56	
20200100	EARTH EXCAVATION	CU YD	68	68	
20400800	FURNISHED EXCAVATION	CU YD	8	8	
20700220	POROUS GRANULAR EMBANKMENT	CU YD	127	127	
21101505	TOPSOIL EXCAVATION AND PLACEMENT	CU YD	60	60	
25000210	SEEDING, CLASS 2A	ACRE	0.15	0.15	
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	17	17	
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	17	17	
25100115	MULCH, METHOD 2	ACRE	0.47	0.47	
25100630	EROSION CONTROL BLANKET	SQ YD	2,295	2,295	
25200200	SUPPLEMENTAL WATERING	UNIT	1	1	
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	47	47	
28000305	TEMPORARY DITCH CHECKS	FOOT	30	30	
28000400	PERIMETER EROSION BARRIER	FOOT	956	956	

* SPECIALTY ITEMS

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 311 S. Wacker Drive, Suite 1950 Chicago, Illinois 60606 312-494-4300 www.bowman.com	USER NAME = apatel	DESIGNED - KH	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES US 52 OVER DITCH NORTH OF FORKED CREEK		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 2.0000' / in.	CHECKED - AP	REVISED -		852	2020-258-CR	WILL	42	4		
	PLOT DATE = 06/04/2021	DATE - 06/03/2021	REVISED -		SCALE: NONE		SHEET 1 OF 5 SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT		CONTRACT NO. 62N28

CODE NO.	ITEM	UNIT	TOTAL QUANTITY URBAN	CONSTRUCTION CODE	
				80% FED 20% STATE	
				BRIDGE REPLACE	
				0004	
				SN 099-8326	
28100107	STONE RIPRAP, CLASS A4	SQ YD	39.3	39.3	
28200200	FILTER FABRIC	SQ YD	61.3	61.3	
30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SQ YD	392	392	
35501316	HOT-MIX ASPHALT BASE COURSE, 8"	SQ YD	246	246	
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	148	148	
40604062	HOT-MIX ASPHALT SURFACE COURSE, 1L-9.5, MIX "D", N70	TON	37	37	
44000100	PAVEMENT REMOVAL	SQ YD	107	107	
44004250	PAVED SHOULDER REMOVAL	SQ YD	501	501	
48101202	AGGREGATE SHOULDERS, TYPE B	CU YD	30	30	
50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1	1	
50200100	STRUCTURE EXCAVATION	CU YD	374	374	
50200450	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL FOR STRUCTURES	CU YD	70	70	
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	20,660	20,660	
50800515	BAR SPLICERS	EACH	64	64	
50901760	PIPE HANDRAIL	FOOT	25	25	

* SPECIALTY ITEMS

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	DATE - 06/03/2021	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES
US 52 OVER DITCH NORTH OF FORKED CREEK**

SCALE: NONE SHEET 2 OF 5 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
852	2020-258-CR	WILL	42	5
			CONTRACT NO. 62N28	
ILLINOIS FED. AID PROJECT				

CODE NO.	ITEM	UNIT	TOTAL QUANTITY URBAN	CONSTRUCTION CODE	
				80% FED 20% STATE	
				BRIDGE REPLACE	
				0004	
				SN 099-8326	
51500100	NAME PLATES	EACH	1	1	
52200020	TEMPORARY SOIL RETENTION SYSTEM	SQ FT	432	432	
54003000	CONCRETE BOX CULVERTS	CU YD	82.2	82.2	
5421A030	PIPE CULVERTS, CLASS A, TYPE 1 30" (TEMPORARY)	FOOT	80	80	
64200108	SHOULDER RUMBLE STRIPS, 8 INCH	FOOT	578	578	
* 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	70	70	
* 66900530	SOIL DISPOSAL ANALYSIS	EACH	2	2	
* 66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	LSUM	1	1	
* 66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	LSUM	1	1	
* 66901006	REGULATED SUBSTANCES MONITORING	CAL DA	12	12	
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	12	12	
67100100	MOBILIZATION	L SUM	1	1	
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	90	90	
70106700	TEMPORARY RUMBLE STRIPS	EACH	6	6	
70200100	NIGHTTIME WORK ZONE LIGHTING	L SUM	1	1	

* SPECIALTY ITEMS

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES			
US 52 OVER DITCH NORTH OF FORKED CREEK			
SCALE: NONE	SHEET 3	OF 5 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
852	2020-258-CR	WILL	42	6
			CONTRACT NO. 62N28	
		ILLINOIS FED. AID PROJECT		

CODE NO.	ITEM	UNIT	TOTAL QUANTITY URBAN	CONSTRUCTION CODE	
				80% FED 20% STATE	
				BRIDGE REPLACE	
				0004	
				SN 099-8326	
70307120	TEMPORARY PAVEMENT MARKING-LINE 4" - TYPE IV TAPE	FOOT	1,765	1,765	
70307210	TEMPORARY PAVEMENT MARKING-LINE 24" - TYPE IV TAPE	FOOT	53	53	
70400100	TEMPORARY CONCRETE BARRIER	FOOT	275	275	
70400125	PINNING TEMPORARY CONCRETE BARRIER	EACH	8	8	
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	200	200	
70600255	IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 2	EACH	2	2	
70600322	IMPACT ATTENUATORS, RELOCATE (FULLY REDIRECTIVE, NARROW), TEST LEVEL 2	EACH	2	2	
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	1,119	1,119	
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	10	10	
* 78200011	BARRIER WALL REFLECTORS, TYPE C	EACH	21	21	
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	10	10	
78300202	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	468	468	
* 89000050	TEMPORARY BRIDGE TRAFFIC SIGNAL INSTALLATION	EACH	1	1	
* X0326276	TEMPORARY LIGHTING FOR SINGLE LANE STAGING	L SUM	1	1	
X0326697	CENTER LINE - RUMBLE STRIP - 8"	FOOT	23	23	
X0326806	WASHOUT BASIN	L SUM	1	1	

* SPECIALTY ITEMS

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	PLOT SCALE = 2 0000' / in.	CHECKED - AP	REVISED -			SCALE: NONE	SHEET 4 OF 5 SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT				
	PLOT DATE = 06/04/2021	DATE - 06/03/2021	REVISED -										

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CODE NO.	ITEM	UNIT	TOTAL QUANTITY URBAN	CONSTRUCTION CODE	
				80% FED 20% STATE	
				BRIDGE REPLACE	
				0004	
				SN 099-8326	
X0327301	RELOCATE EXISTING MAILBOX	EACH	1	1	
X0900064	MEMBRANE WATERPROOFING SYSTEM FOR BURIED STRUCTURES	SQ YD	119.5	119.5	
X0900075	COFFERDAM (TYPE 1) (IN-STREAM/WETLAND WORK)	EACH	2	2	
X2501800	SEEDING, CLASS 4 (MODIFIED)	ACRE	0.33	0.33	
X2501820	SEEDING, CLASS 5 (MODIFIED)	ACRE	0.33	0.33	
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1	
X7030005	TEMPORARY PAVEMENT MARKING REMOVAL	SQ FT	688	688	
* X7800815	HOT SPRAY THERMOPLASTIC PAVEMENT MARKING LINE - 4 INCH	FOOT	183	183	
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1	
Z0015500	DEBRIS REMOVAL	L SUM	1	1	
Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	43	43	
Z0054400	ROCK FILL	CU YD	19.5	19.5	
Z0064800	SELECTIVE CLEARING	UNIT	14	14	
Z0073510	TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1	1	
Ø Z0076600	TRAINEES	HOURS	500	500	
Ø Z0076604	TRAINEES - TRAINING PROGRAM GRADUATE	HOURS	500	500	

Ø0042

* SPECIALTY ITEMS

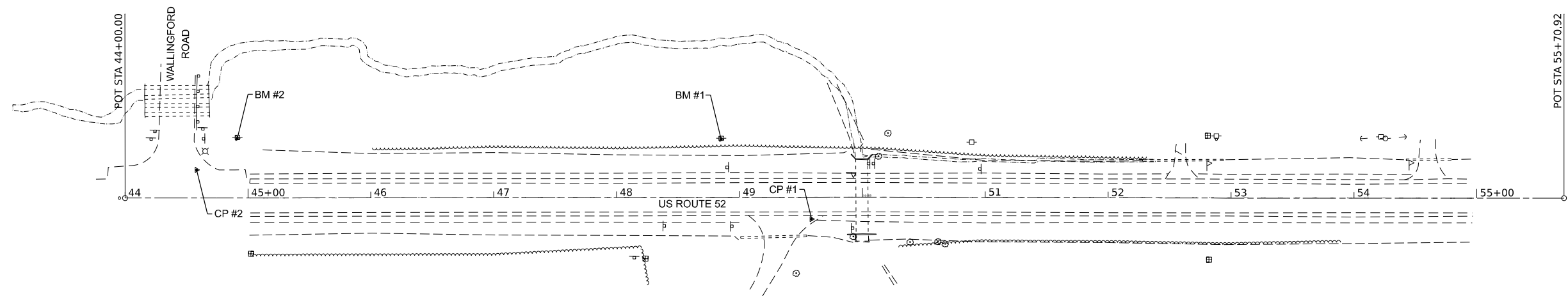
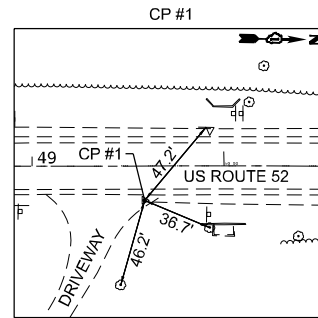
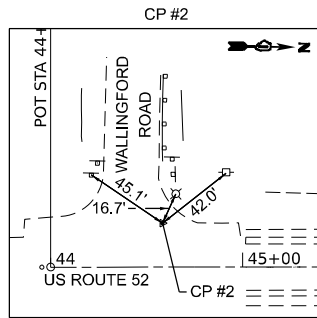


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PLOT SCALE = 2.0000' / in.	CHECKED - AP	REVISED -
PLOT DATE = 06/04/2021	DATE - 06/03/2021	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES			
US 52 OVER DITCH NORTH OF FORKED CREEK			
SCALE: NONE	SHEET 5	OF 5 SHEETS	STA. TO STA.

F.A.P. RTE. 852	SECTION 2020-258-CR	COUNTY WILL	TOTAL SHEETS 42	SHEET NO. 8
			CONTRACT NO. 62N28	
		ILLINOIS FED. AID PROJECT		



ALIGNMENT COORDINATES
U.S. ROUTE 52 (CEDAR ROAD)

POINT	STATION	NORTHING	EASTING
POT	44+00.00	1,708,542.63	1,086,812.03
POT	55+70.92	1,709,713.37	1,086,791.01

CONTROL POINTS

NAME	NORTHING	EASTING	ELEVATION
CP #1	1,708,600.41	1,086,788.05	668.42
CP #2	1,709,101.45	1,086,819.13	665.88

BM #1
SPIKE WITH YELLOW SLEEVE IN POWER POLE
WEST SIDE US ROUTE 52 ±115 SOUTH OF
3'X10' CULVERT. ELEVATION=667.86

BM #2
SPIKE WITH YELLOW SLEEVE IN POWER POLE
IN THE NORTHWEST CORNER OF US ROUTE 52
AND WALLINGFORD ROAD. ELEVATION=664.52

MODEL: ATB 1 (E) (A) 1
 FILE NAME: P:\CADD\DOT\040058-01-202 (ENG) - PTB 195-016 Phase II For Your Engineering\190_06 - US 52 CEDAR RD\500 Drawings\502 CADD Sheets\01 62N28-INT-KATE.dgn



311 S. Wacker Drive, Suite 1950
Chicago, Illinois 60606
312-414-0500
www.bowman.com

USER NAME = khejtmanek	DESIGNED - KH	REVISED -
PLOT SCALE = 0.16666667 "/math>in.	DRAWN - KM	REVISED -
PLOT DATE = 06/04/2021	CHECKED - AP	REVISED -
	DATE - 06/03/2021	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ALIGNMENT, TIES, AND BENCHMARKS
US 52 OVER DITCH NORTH OF FORKED CREEK**

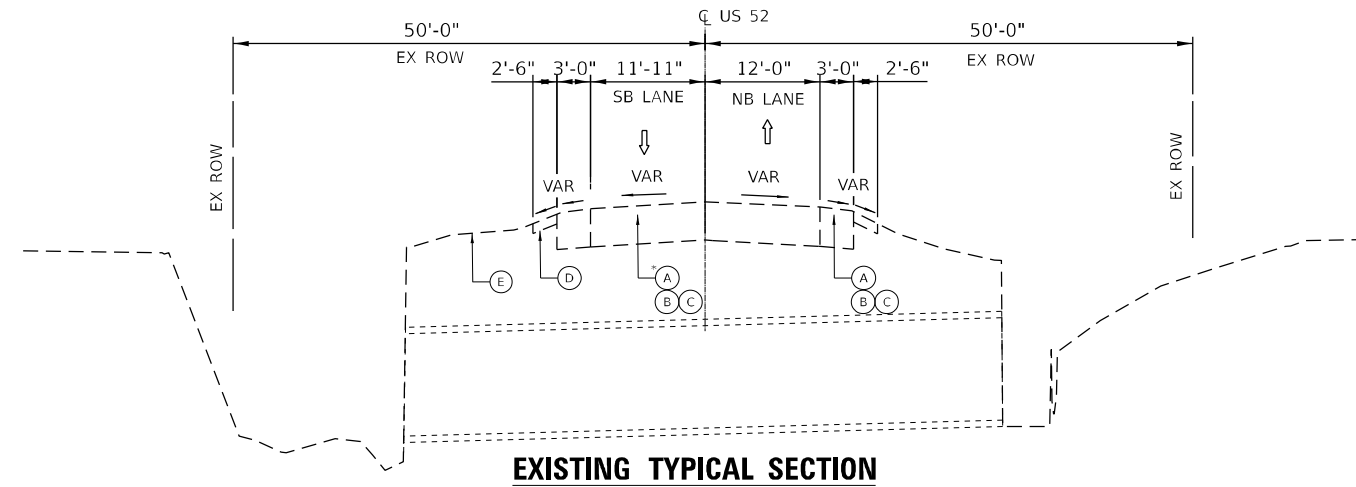
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
852	2020-258-CR	WILL	42	9
CONTRACT NO. 62N28				
ILLINOIS FED. AID PROJECT				

HOT-MIX ASPHALT MIXTURE REQUIREMENTS		QMP
MIXTURE TYPE	AIR VOIDS @ NDES	
PAVEMENT RECONSTRUCTION		
HOT-MIX ASPHALT SURFACE COURSE, 1L-9.5, MIX "D", N70, 2"	4.0% @ 70 GYR	QC/QA
HOT-MIX ASPHALT BASE COURSE (HMA BINDER 1L-19.0), 8"	4.0% @ 70 GYR	QC/QA
HMA SHOULDER (SHOULDER RECONSTRUCTION)		
HOT-MIX ASPHALT SURFACE COURSE, 1L-9.5, MIX "D", N70, 2"	4.0% @ 70 GYR	QC/QA
HOT-MIX ASPHALT BASE COURSE (HMA BINDER 1L-19.0), 8"	4.0% @ 70 GYR	QC/QA
QMP DESIGNATION: QUALITY CONTROL/QUALITY ASSURANCE (QC/QA); QUALITY CONTROL FOR PERFORMANCE (QCP); PAY FOR PERFORMANCE (PFP)		

NOTES:

1. THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN.
2. THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG-76-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY RECLAIMED MATERIALS SPECIFICATION.

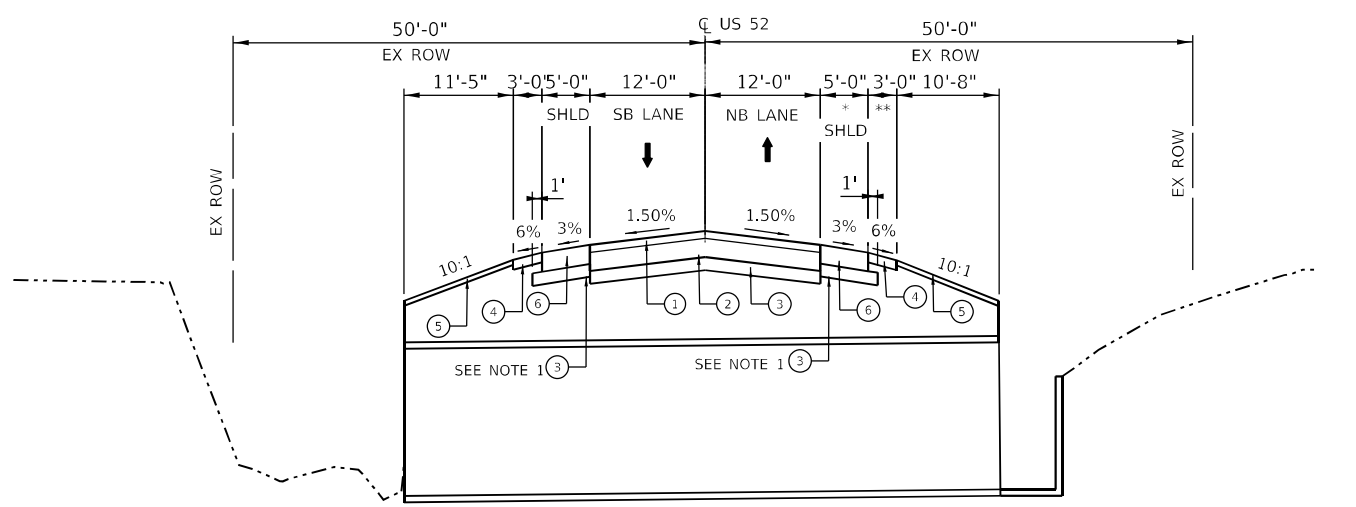


EXISTING TYPICAL SECTION

STA. 49+88.57 TO STA. 50+60.57
*CONCRETE PATCH OVER CULVERT

EXISTING LEGEND

- (A) HMA PAVEMENT, 13.50" - 17.50"
- (B) SUB-BASE GRANULAR MATERIAL, 2" - 7.50"
- (C) RUBBLIZED PCC, 6.50" - 7.50"
- (D) AGGREGATE SHOULDER
- (E) EXISTING TOPSOIL, 4"



PROPOSED TYPICAL SECTION

STA. 49+88.57 TO STA. 50+60.57

*STA. 48+70.35 TO STA. 49+88.57
STA. 50+10.57 TO STA. 51+27.80 — 3'
** STA. 48+70.35 TO STA. 49+88.57 — MATCH EXISTING
STA. 50+10.57 TO STA. 51+27.80

PROPOSED LEGEND

- (1) HOT-MIX ASPHALT SURFACE COURSE, 2"
- (2) HOT-MIX ASPHALT BASE COURSE, 8"
- (3) AGGREGATE SUBGRADE IMPROVEMENT, 12"
- (4) AGGREGATE SHOULDERS, TYPE B, 6"
- (5) TOPSOIL EXCAVATION AND PLACEMENT, 4"
- (6) HMA SHOULDERS

NOTES:

1. EXTEND AGGREGATE SUBGRADE IMPROVEMENT 1' BEYOND PROPOSED HMA PAVEMENT EXTENTS.

MODEL: D:\p4\11...
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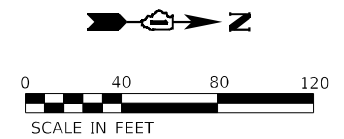


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PLOT DATE = 06/04/2021	CHECKED - AP	REVISED -
	DATE - 06/03/2021	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

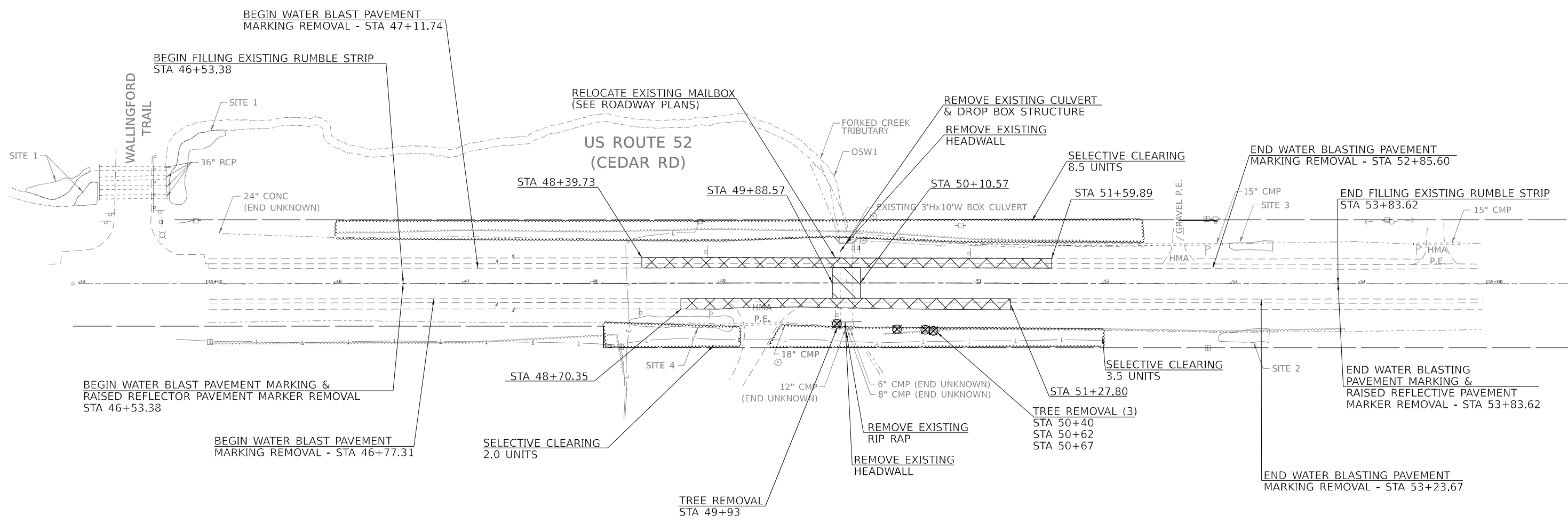
TYPICAL SECTIONS			
US 52 OVER DITCH NORTH OF FORKED CREEK			
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
852	2020-258-CR	WILL	42	10
CONTRACT NO. 62N28				
ILLINOIS FED. AID PROJECT				



REMOVAL LEGEND AND SYMBOLS

	PAVEMENT REMOVAL
	PAVED SHOULDER REMOVAL
	TREE REMOVAL



MODEL: R:\projects\1515143\1515143.dwg
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 311 S. Wacker Drive, Suite 1950
 Chicago, Illinois 60606
 312-414-0300
 www.bowman.com



USER NAME = apatel	DESIGNED - KH	REVISED -
DRAWN - KM	REVISED -	
PLOT SCALE = 0.16666667 "/>		
PLOT DATE = 06/04/2021	DATE - 06/03/2021	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REMOVAL PLAN
US 52 OVER DITCH NORTH OF FORKED CREEK

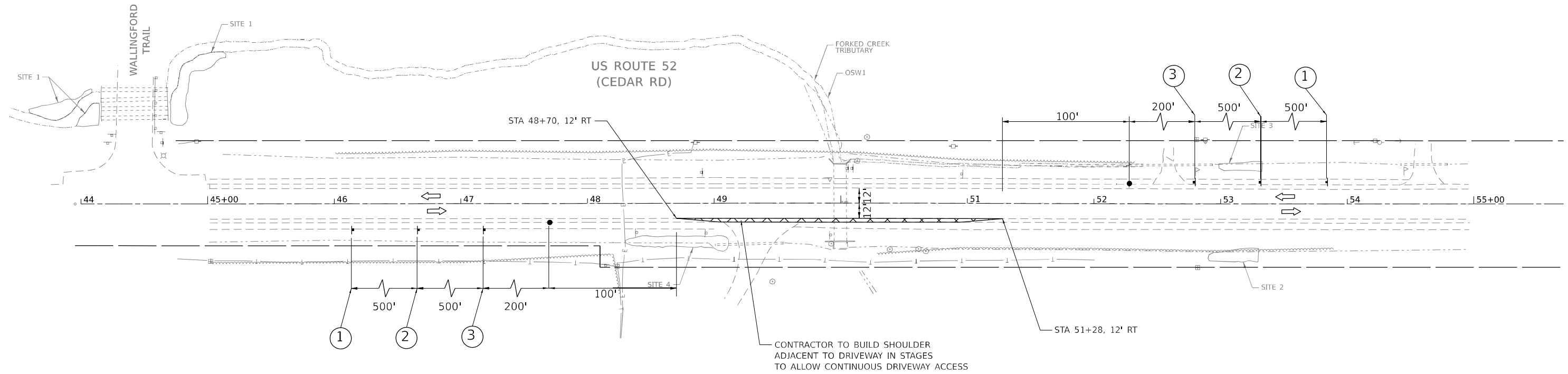
SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
852	2020-258-CR	WILL	42	11
CONTRACT NO. 62N28				
ILLINOIS FED. AID PROJECT				

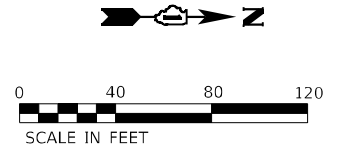
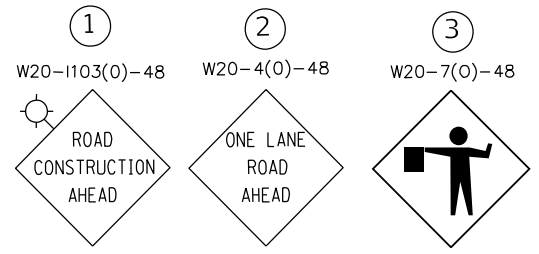
NOTE
 CONTRACTOR TO FOLLOW HIGHWAY STANDARD 701326 TO COMPLETE THE SHOULDER IMPROVEMENTS AS SHOWN BELOW

MOT LEGEND AND SYMBOLS

- 2' STOP BAR
- 4" SKIP DASH YELLOW LINE (2" DASH, 6" SKIP)
- 4" SOLID WHITE LINE
- FULL DEPTH SHOULDER REPLACEMENT AREA
- DRUM WITH STEADY BURNING BI-DIRECTIONAL LIGHT
- TEMPORARY CONCRETE BARRIER
- WORK AREA
- IMPACT ATTENUATOR, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 2
- TYPE III BARRICADE WITH FLASHING LIGHTS
- BARRIER WALL REFLECTOR, TYPE C
- DOUBLE VERTICAL PANEL PER STANDARD 701321
- PROPOSED SIGN
- TEMPORARY RUMBLE STRIP
- FLAGGER WITH TRAFFIC CONTROL SIGN



MOT SIGN LEGEND

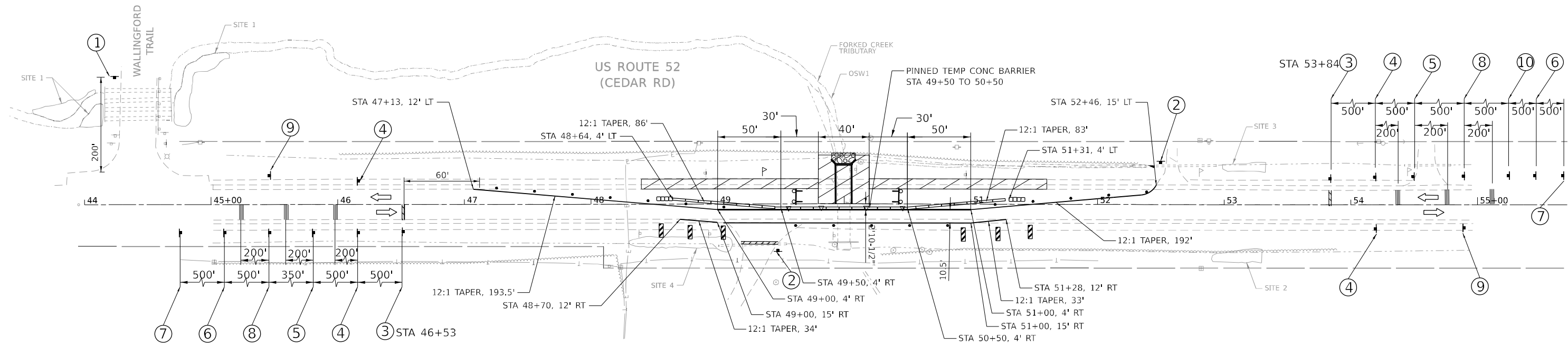


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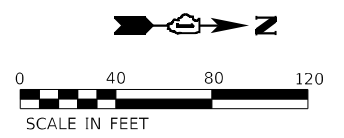
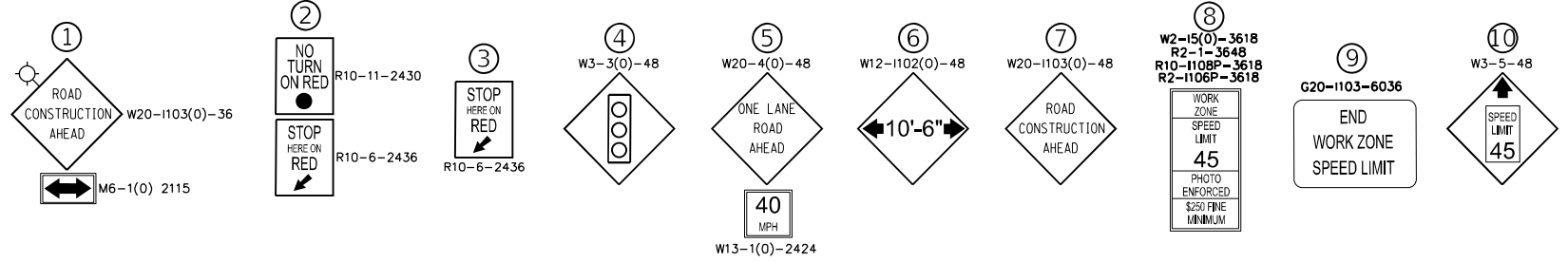
Bowman <small>311 S. Wacker Drive, Suite 1950 Chicago, Illinois 60606 312-464-0500 www.bowman.com</small>	USER NAME = khejtmanek	DESIGNED - KH	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MAINTENANCE OF TRAFFIC - PRE-STAGE US 52 OVER DITCH NORTH OF FORKED CREEK	F.A.P. RTE. 852	SECTION 2020-258-CR	COUNTY WILL	TOTAL SHEETS 42	SHEET NO. 13
	PLOT SCALE = 0.16666667"/in.	CHECKED - AP	REVISIED -			CONTRACT NO. 62N28	ILLINOIS FED. AID PROJECT			
	PLOT DATE = 06/04/2021	DATE = 06/03/2021	REVISIED -	SCALE: SHEET OF SHEETS STA. TO STA.						

MOT LEGEND AND SYMBOLS

- 2' STOP BAR
- 4" SKIP DASH YELLOW LINE (2' DASH, 6' SKIP)
- 4" SOLID WHITE LINE
- FULL DEPTH SHOULDER REPLACEMENT AREA
- DRUM WITH STEADY BURNING BI-DIRECTIONAL LIGHT
- TEMPORARY CONCRETE BARRIER
- WORK AREA
- IMPACT ATTENUATOR, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 2
- TYPE III BARRICADE WITH FLASHING LIGHTS
- BARRIER WALL REFLECTOR, TYPE C
- DOUBLE VERTICAL PANEL PER STANDARD 701321
- PROPOSED SIGN
- TEMPORARY RUMBLE STRIP
- FLAGGER WITH TRAFFIC CONTROL SIGN



MOT SIGN LEGEND

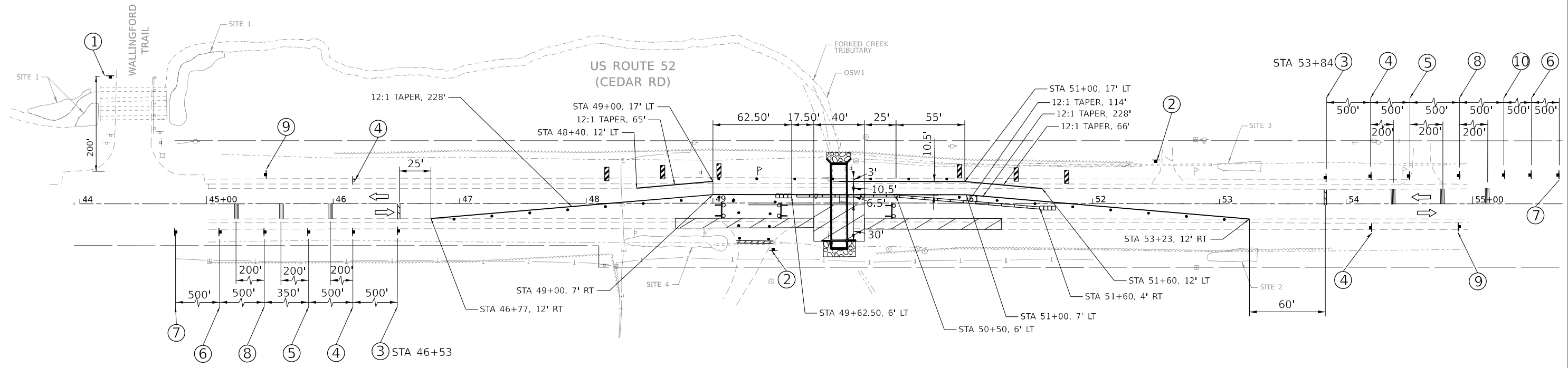


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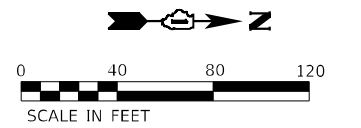
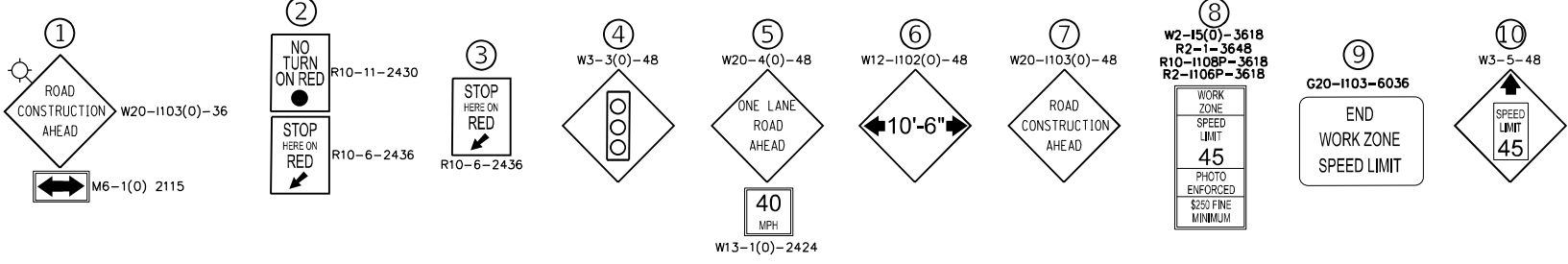
	USER NAME = apatel DESIGNED - KH DRAWN - KM CHECKED - AP DATE - 06/03/2021	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MAINTENANCE OF TRAFFIC - STAGE 1 US 52 OVER DITCH NORTH OF FORKED CREEK	F.A.P. RTE. 852 SECTION 2020-258-CR COUNTY WILL TOTAL SHEETS 42 SHEET NO. 14	CONTRACT NO. 62N28 ILLINOIS FED. AID PROJECT
	PLOT SCALE = 0.166667' / in. PLOT DATE = 06/04/2021	DATE - 06/03/2021			SCALE: SHEET OF SHEETS STA. TO STA.	
	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION					

MOT LEGEND AND SYMBOLS

- 2' STOP BAR
- 4" SKIP DASH YELLOW LINE (2' DASH, 6' SKIP)
- 4" SOLID WHITE LINE
- FULL DEPTH SHOULDER REPLACEMENT AREA
- DRUM WITH STEADY BURNING BI-DIRECTIONAL LIGHT
- TEMPORARY CONCRETE BARRIER
- WORK AREA
- IMPACT ATTENUATOR, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 2
- TYPE III BARRICADE WITH FLASHING LIGHTS
- BARRIER WALL REFLECTOR, TYPE C
- DOUBLE VERTICAL PANEL PER STANDARD 701321
- PROPOSED SIGN
- TEMPORARY RUMBLE STRIP
- FLAGGER WITH TRAFFIC CONTROL SIGN



MOT SIGN LEGEND



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USER NAME = apatel	DESIGNED - KH	REVISED -
DRAWN - KM	REVISOR -	
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PLOT DATE = 06/04/2021	DATE - 06/03/2021	REVISED -







STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

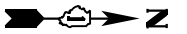
MAINTENANCE OF TRAFFIC - STAGE 2
US 52 OVER DITCH NORTH OF FORKED CREEK

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
852	2020-258-CR	WILL	42	15
CONTRACT NO. 62N28			ILLINOIS FED. AID PROJECT	

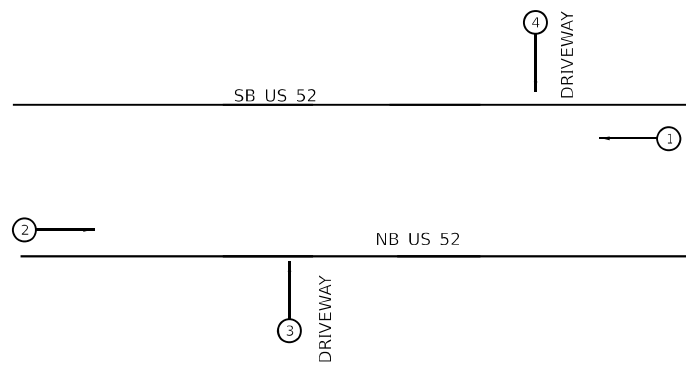
SCALE: SHEET OF SHEETS STA. TO STA.

TEMPORARY CABLE DIAGRAM LEGEND

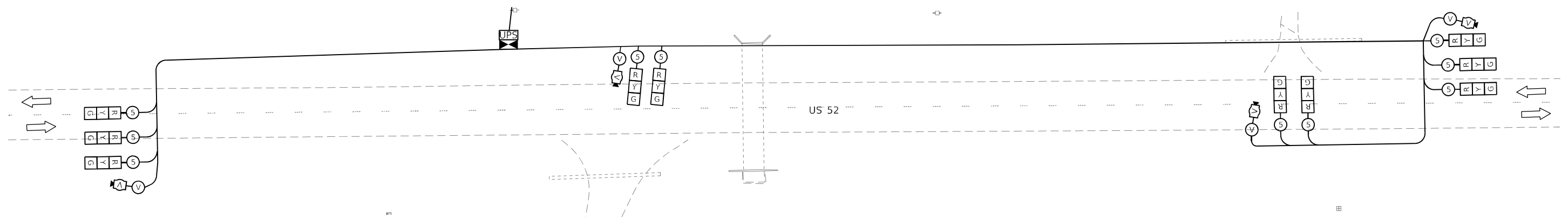
-  CONTROLLER CABINET
-  TEMPORARY TRAFFIC SIGNAL SECTION
-  INDICATES NUMBER OF CONDUCTORS IN CABLE. ALL CONDUCTORS TO BE NUMBER 14 AWG WIRE UNLESS OTHERWISE NOTED
-  VIDEO DETECTION CAMERA
-  VIDEO DETECTOR CABLE AS RECOMMENDED BY VIDEO CAMERA MANUFACTURER
-  UNINTERRUPTIBLE POWER SUPPLY SYSTEM



LEGEND
 SINGLE ENTRY PHASE



TEMPORARY PHASE DESIGNATION DIAGRAM
 N.T.S.



TEMPORARY CABLE PLAN - US 2 AT CULVERT REPLACEMENT

TEMPORARY TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS US 52				TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE INCAND. -LED.	% OPERATION	
SIGNAL (RED)	10	17	50	85.00
SIGNAL (YELLOW)	10	25	25	62.50
SIGNAL (GREEN)	10	15	25	37.50
VIDEO SYSTEM	1	150	100	150.00
LUMINAIRE	6	400	50	1200.00
CONTROLLER	1	100	100	100.00
UPS	1	25	100	25.00
TOTAL =				1660.00

ENERGY COSTS TO:
ILLINOIS DEPARTMENT OF TRANSPORTATION
 201 CENTER COURT
 SCHLAUMBURG, ILLINOIS 60195
 ENERGY SUPPLY: CONTACT: _____
 PHONE: _____
 COMPANY: _____
 ACCOUNT NUMBER: _____

RESTORATION OF WORK AREA:
 RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCIDENTAL TO THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC. AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIAN, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

CONSTRUCTION NOTES:

1. CONTRACTOR SHALL RESTORE ROAD TO PRE-CONSTRUCTION CONDITIONS AFTER COMPLETION OF WORK.
2. PROPOSED SERVICE TO THE TEMPORARY TRAFFIC SIGNAL CONTROLLER SHALL BE 240/120V.

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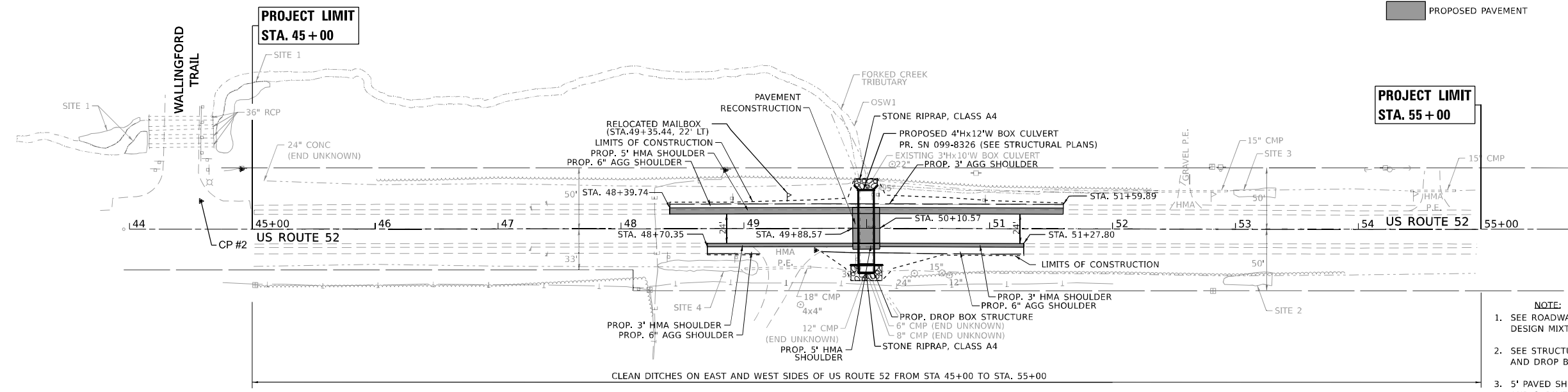
Bowman <small>311 S. Wacker Drive, Suite 1950 Chicago, Illinois 60606 312-464-0360 www.bowman.com</small>	USER NAME = apatel	DESIGNED - KH	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TEMPORARY CABLE PLAN AND PHASE DESIGNATION DIAGRAM US 52 OVER DITCH NORTH OF FORKED CREEK	F.A.P. RTE. 852	SECTION 2020-258-CR	COUNTY WILL	TOTAL SHEETS 42	SHEET NO. 17
	PLOT SCALE = 100,0000' / in.	CHECKED - AP	REVISED -			CONTRACT NO. 62N28			ILLINOIS FED. AID PROJECT	
	PLOT DATE = 06/04/2021	DATE - 06/03/2021	REVISED -	SCALE: NONE SHEET OF SHEETS STA. TO STA.						

PLAN	SURVEYED	DATE
	PLOTTED	BY
	ALIGNED	CHECKED
	GRADINGS	NO.
	STRUCTURE	NO.
	NOTING	NO.
	CHKD	NO.

PROFILE	SURVEYED	DATE
	PLOTTED	BY
	GRADINGS	CHECKED
	STRUCTURE	NO.
	NOTING	NO.
	CHKD	NO.

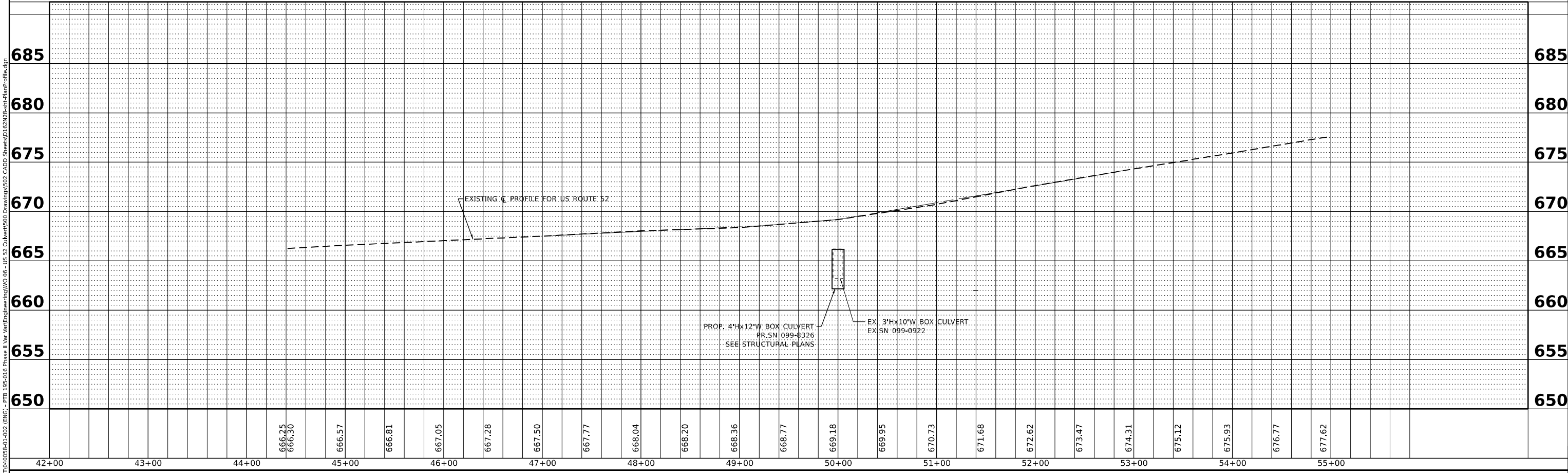
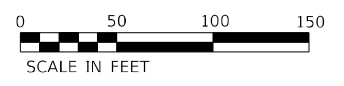
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PROPOSED LEGEND
 PROPOSED PAVEMENT



PROJECT LIMIT
STA. 55 + 00

- NOTE:**
- SEE ROADWAY TYPICALS FOR PAVEMENT DESIGN MIXTURES.
 - SEE STRUCTURAL PLANS FOR CULVERT AND DROP BOX STRUCTURE DESIGN.
 - 5' PAVED SHOULDERS OVER THE CULVERT AND 3' PAVED SHOULDERS AS SHOWN ON EAST SHOULDER. 5' PAVED SHOULDERS ALONG THE WEST WITHIN THE LIMITS SHOWN.
 - CONSTRUCTION LIMITS SHOWN EXCLUDES DITCH DEBRIS REMOVAL, SELECTIVE CLEARING, TEMPORARY SEEDING AND PERMANENT LANDSCAPING.
 - RELOCATED MAILBOX SHALL BE ACCESSIBLE AT ALL TIMES THROUGHOUT CONSTRUCTION.



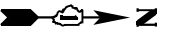
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DRAWN	- KM	REVISIONS	-	REVISED	-
PLOT SCALE	= 0.166667"/in.	CHECKED	- AP	REVISED	-
PLOT DATE	= 06/04/2021	DATE	- 06/03/2021	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

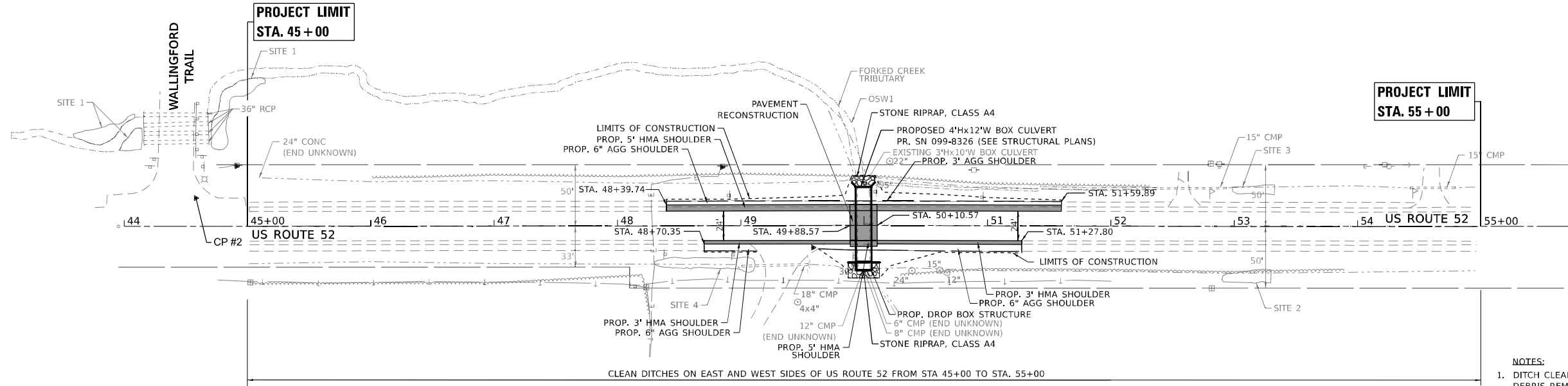
PROPOSED PLAN AND PROFILE
US 52 OVER DITCH NORTH OF FORKED CREEK

SCALE: 1:50 SHEET 1 OF 1 SHEETS STA. 44+00 TO STA. 55+70.92

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
852	2020-258-CR	WILL	42	18
				CONTRACT NO. 62N28
		ILLINOIS	FED. AID PROJECT	

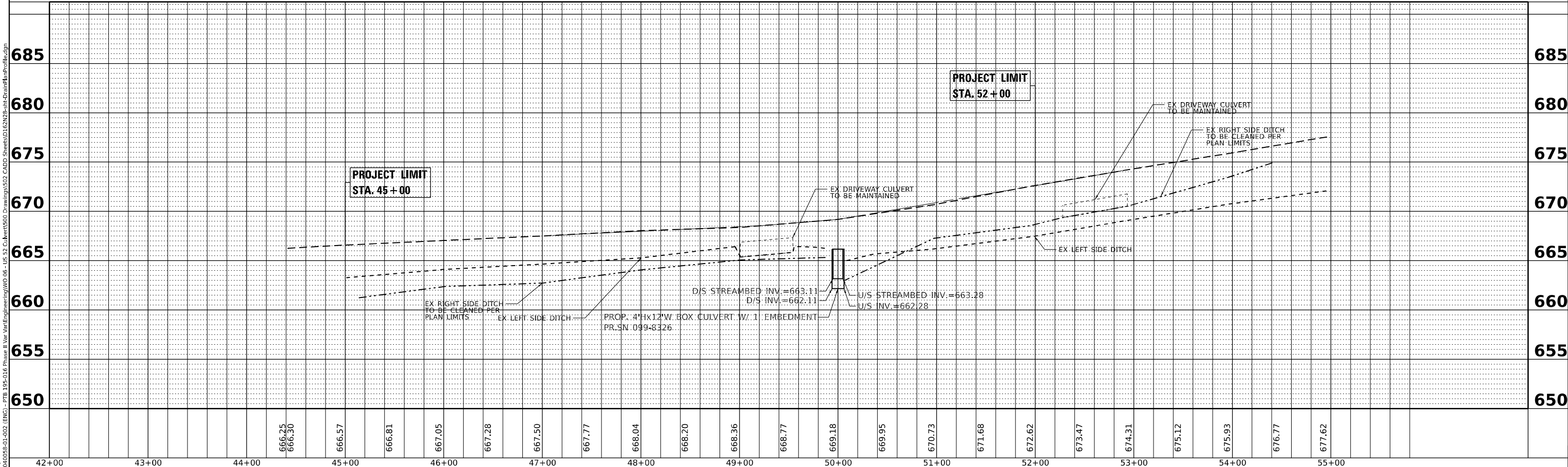


PLAN	SURVEYED	DATE
	PLOTTED	BY
NOTE BOOK NO.	ALIGNED CHECKED	
	AS-CAD FILE NAME	



- NOTES:
1. DITCH CLEANING TO BE PAID FOR AS DEBRIS REMOVAL.
 2. PROPOSED CULVERT TO BE INSTALLED WITH 1 FOOT OF EMBEDMENT FROM EXISTING.
 3. SEE STRUCTURAL PLANS FOR CULVERT AND DROP BOX STRUCTURE DESIGN.
 4. SEE STRUCTURAL PLANS FOR STONE RIPRAP DIMENSIONS.
 5. THREE (3) EX. CMP ENTERING DROP BOX STRUCTURE SHALL BE MAINTAINED DURING RECONSTRUCTION OF DROP BOX AND CULVERT.

PROFILE	SURVEYED	DATE
	PLOTTED	BY
NOTE BOOK NO.	GRADES CHECKED	
	STRUCTURE NOTATIONS CHKD	



MODEL: DrainPlanProf 1 (Sheet)
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	USER NAME = khejtmanek	DESIGNED - KH	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED DRAINAGE PLAN AND PROFILE US 52 OVER DITCH NORTH OF FORKED CREEK			F.A.P. RTE. 852	SECTION 2020-258-CR	COUNTY WILL	TOTAL SHEETS 42	SHEET NO. 19
	PLOT SCALE = 0.16666667"/in.	CHECKED - AP	REVISED -		SCALE: 1:50			SHEET 1 OF 1 SHEETS			CONTRACT NO. 62N28	
	PLOT DATE = 06/04/2021	DATE - 06/03/2021	REVISED -		STA. 44+00 TO STA. 55+70.92			ILLINOIS		FED. AID PROJECT		

EROSION CONTROL AND LANDSCAPING NOTES

1. ALL ESC MEASURES WILL BE MAINTAINED IN ACCORDANCE WITH THE IDOT EROSION AND SEDIMENT CONTROL FIELD GUIDE FOR CONSTRUCTION INSPECTION FOUND ON THE CONSTRUCTION TAB AT:(HTTP://WWW.IDOT.ILLINOIS.GOV/TRANSPORTATION-SYSTEM/ENVIRONMENT/EROSION-AND-SEDIMENT-CONTROL)
2. THE CONTRACTOR WILL ASSUME RESPONSIBILITY FOR MAINTENANCE OF ALL SOIL EROSION CONTROL DURING CONSTRUCTION.
3. 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. ADDITIONALLY DURING WINTER MONTHS, ALL MEASURES SHOULD BE CHECKED BY THE CONTRACTOR AFTER EACH SIGNIFICANT SNOWMELT.
4. 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 INCIDENTAL.
5. TEMPORARY OR PERMANENT STABILIZATION SHALL BE INITIATED IMMEDIATELY UPON COMPLETION OF DISTURBANCE OR IF THE WORK AREA IS TO BE LEFT UNDISTURBED FOR 14 DAYS OR MORE.
6. UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR PROLONG FINAL GRADING AND SHAPING SO THAT THE ENTIRE PROJECT CAN BE PERMANENTLY SEEDED AT ONE TIME.
7. ALL WORK ASSOCIATED WITH INSTALLATION AND MAINTENANCE OF STABILIZED CONSTRUCTION ENTRANCES ARE INCIDENTAL TO THE CONTRACT
8. MULCH METHOD 2 SHOULD BE APPLIED TO SLOPES FOR TEMPORARY STABILIZATION PRIOR TO SEASONS WHEN TEMPORARY SEED WILL NOT GERMINATE.
9. REFER TO STRUCTURAL PLANS FOR WATERWAY INFORMATION TABLE FOR 2 YEAR STORM INFORMATION FOR THE COFFERDAM.
10. THIS PROJECT REQUIRES A US ARMY CORPS OF ENGINEERS (USACE) 404 PERMIT THAT WILL BE SECURED BY THE DEPARTMENT. AS A CONDITION OF THIS PERMIT, 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.
11. ALL TREE PROTECTION SHALL BE COMPLETED BEFORE CONSTRUCTION OPERATIONS COMMENCE IN ANY AREA. AT NO TIME SHALL THE CONTRACTOR PRUNE OR REMOVE ANY TREES UNLESS SPECIFICALLY DIRECTED BY THE ENGINEER.
12. PHOSPHORUS FERTILIZER HAS BEEN INTENTIONALLY OMITTED FROM THE CONTRACT. A PHOSPHORUS-FREE FERTILIZER SHALL BE USED (MIDDLE NUMBER SHOULD EQUAL 0).
13. THE CONTRACTOR WILL CONTACT THE ROADSIDE DEVELOPMENT UNIT AT 847.705.4171, AT LEAST 7 DAYS PRIOR TO PLANTING FOR LAYOUT APPROVAL OF THE SEEDING, TREES, SHRUBS, AND PLUGS.

MODEL: D:\c4\h...
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION CONTROL NOTES
US 52 OVER DITCH NORTH OF FORKED CREEK






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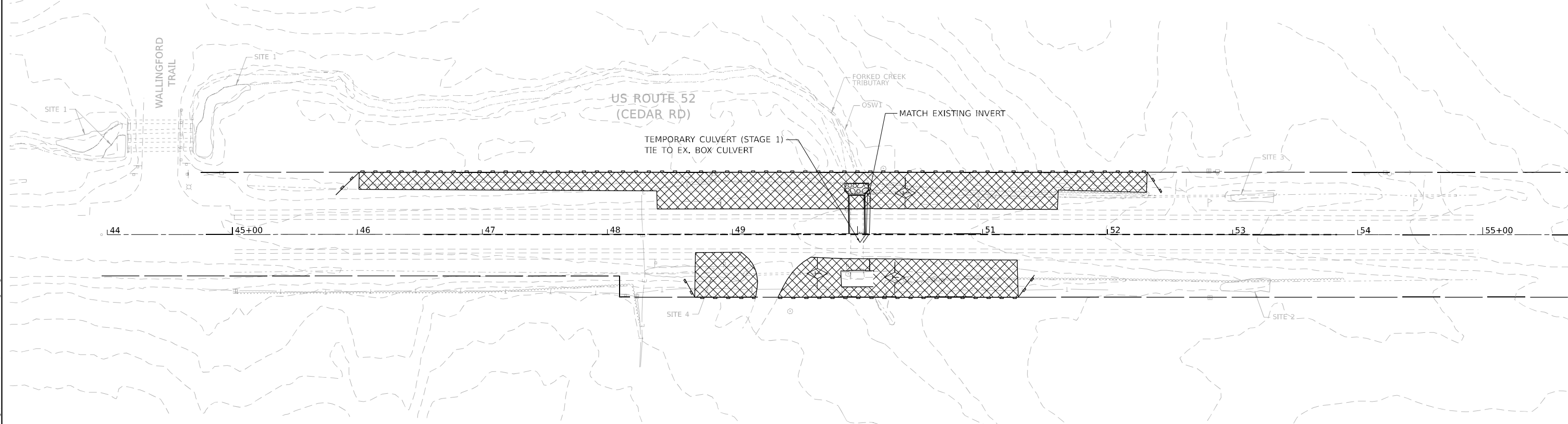
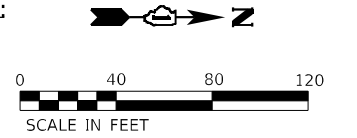
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852	2020-258-CR	WILL	42	20
CONTRACT NO. 62N28				
ILLINOIS FED. AID PROJECT				

NOTES:

1. TEMPORARY CULVERT TO BE INSTALLED IN STAGES AS SHOWN ON PLANS TO ALLOW FOR POSITIVE CONVEYANCE THROUGHOUT CONSTRUCTION.
2. WHEN CONSTRUCTION WITHIN THE STREAM UTILIZE COFFERDAM (TYPE 1) IN-STREAM/WETLAND WORK.
3. ALL AREAS TO BE PERMANENTLY SEEDED TO UTILIZE MULCH METHOD 2 AND TEMPORARY EROSION CONTROL SEEDING DURING CONSTRUCTION.

EROSION CONTROL LEGEND AND SYMBOLS:

-  TEMPORARY DITCH CHECK
-  STONE RIPRAP A4
-  PERIMETER EROSION BARRIER
-  EXISTING CONTOUR LINE
-  TEMPORARY EROSION CONTROL SEEDING & MULCH METHOD 2



MODEL: Plan 1 (Civil) -
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**EROSION AND SEDIMENT CONTROL PLANS STAGE 1
 US 52 OVER DITCH NORTH OF FORKED CREEK**

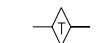

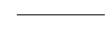


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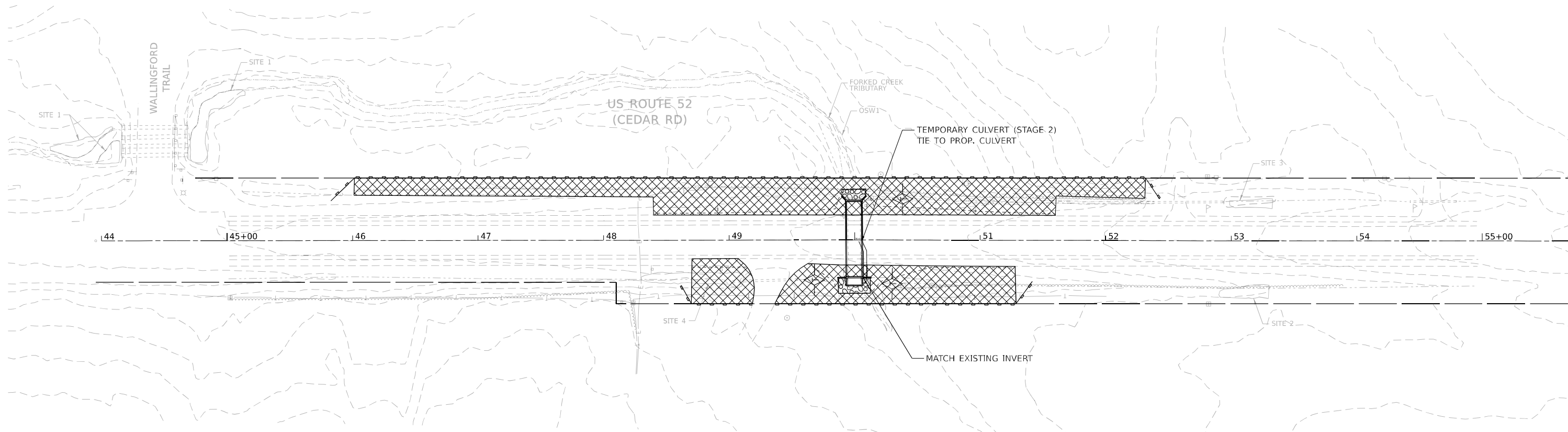
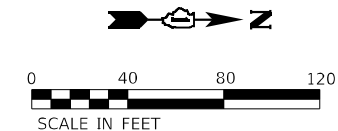
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CONTRACT NO. 62N28				
ILLINOIS FED. AID PROJECT				

NOTES:

1. TEMPORARY CULVERT TO BE INSTALLED IN STAGES AS SHOWN ON PLANS TO ALLOW FOR POSITIVE CONVEYANCE THROUGHOUT CONSTRUCTION.
2. WHEN CONSTRUCTION WITHIN THE STREAM UTILIZE COFFERDAM (TYPE 1) IN-STREAM/WETLAND WORK.
3. ALL AREAS TO BE PERMANENTLY SEEDED TO UTILIZE MULCH METHOD 2 AND TEMPORARY EROSION CONTROL SEEDING DURING CONSTRUCTION.

EROSION CONTROL LEGEND AND SYMBOLS:

-  TEMPORARY DITCH CHECK
-  STONE RIPRAP A4
-  PERIMETER EROSION BARRIER
-  EXISTING CONTOUR LINE
-  TEMPORARY EROSION CONTROL SEEDING & MULCH METHOD 2



MODEL: Plan 1 (Civil) -
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**EROSION AND SEDIMENT CONTROL PLAN STAGE 2
 US 52 OVER DITCH NORTH OF FORKED CREEK**

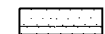
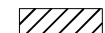
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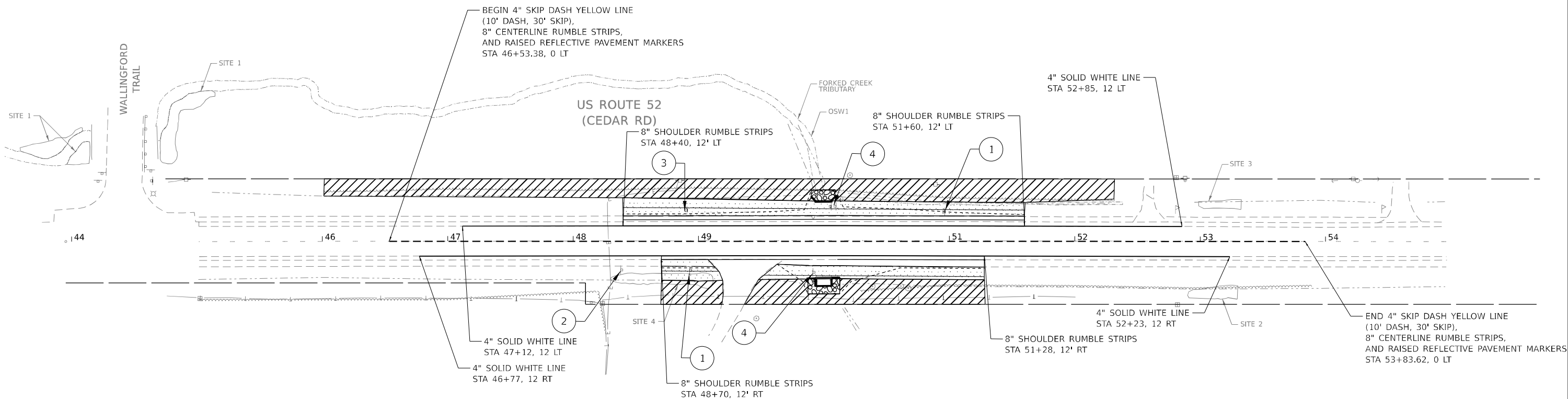
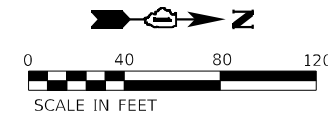
F.A.P. RTE. 852	SECTION 2020-258-CR	COUNTY WILL	TOTAL SHEETS 42	SHEET NO. 22
CONTRACT NO. 62N28			ILLINOIS FED. AID PROJECT	

NOTES

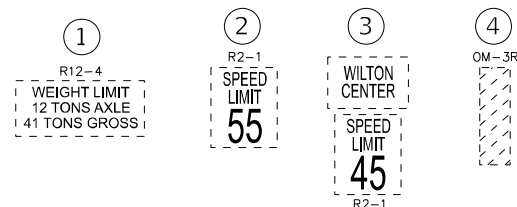
1. INSTALL ALL PROPOSED PAVEMENT MARKINGS PER D-1 DETAIL TC-13
2. INSTALL ALL RAISED REFLECTIVE PAVEMENT MARKERS PER D-1 DETAIL TC-11.
3. INSTALL CENTERLINE RUMBLE STRIPS PER STANDARD BD-55
4. INSTALL 8" SHOULDER RUMBLE STRIPS PER IDOT STANDARD 642006
5. ALL EXISTING SIGNS TO BE PROTECTED IN PLACE DURING CONSTRUCTION IF POSSIBLE. IF NOT POSSIBLE, SIGNS TO BE REMOVED AND STORED, AND REINSTALLED IN PLACE UPON THE COMPLETION OF THE PROJECT.

LANDSCAPE LEGEND AND SYMBOLS:

-  TOPSOIL, 4" W/ SEEDING CLASS 2A & EROSION CONTROL BLANKET
-  TOPSOIL, 4" W/ SEEDING CLASS 4 (MODIFIED) & CLASS 5 (MODIFIED) W/ EROSION CONTROL BLANKET



EXISTING SIGN LEGEND



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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKINGS AND LANDSCAPE PLAN
 US 52 OVER DITCH NORTH OF FORKED CREEK**

F.A.P. RTE. 852	SECTION 2020-258-CR	COUNTY WILL	TOTAL SHEETS 42	SHEET NO. 23
CONTRACT NO. 62N28				
ILLINOIS FED. AID PROJECT				

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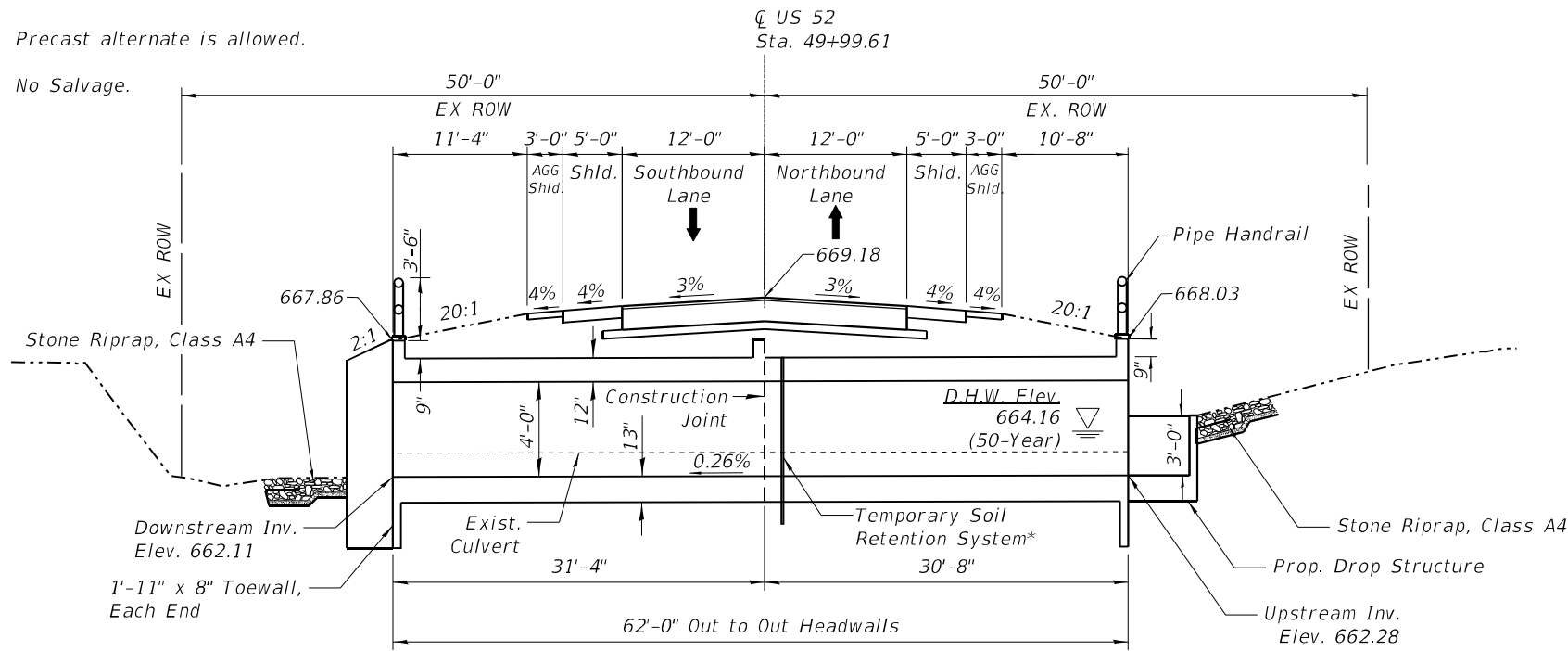
Existing Structure:
 The structure is a cast-in-place concrete, single cell 10'x3' box culvert. This structure carries F.A.P. Route 852 / US 52 over a drainage ditch located 2.9 miles south of Hoff Road. The existing culvert has a length of 62'-0" and is to be removed and replaced with the proposed culvert.

Traffic Control:
 Two stages of construction will be implemented where both stages require lane reductions

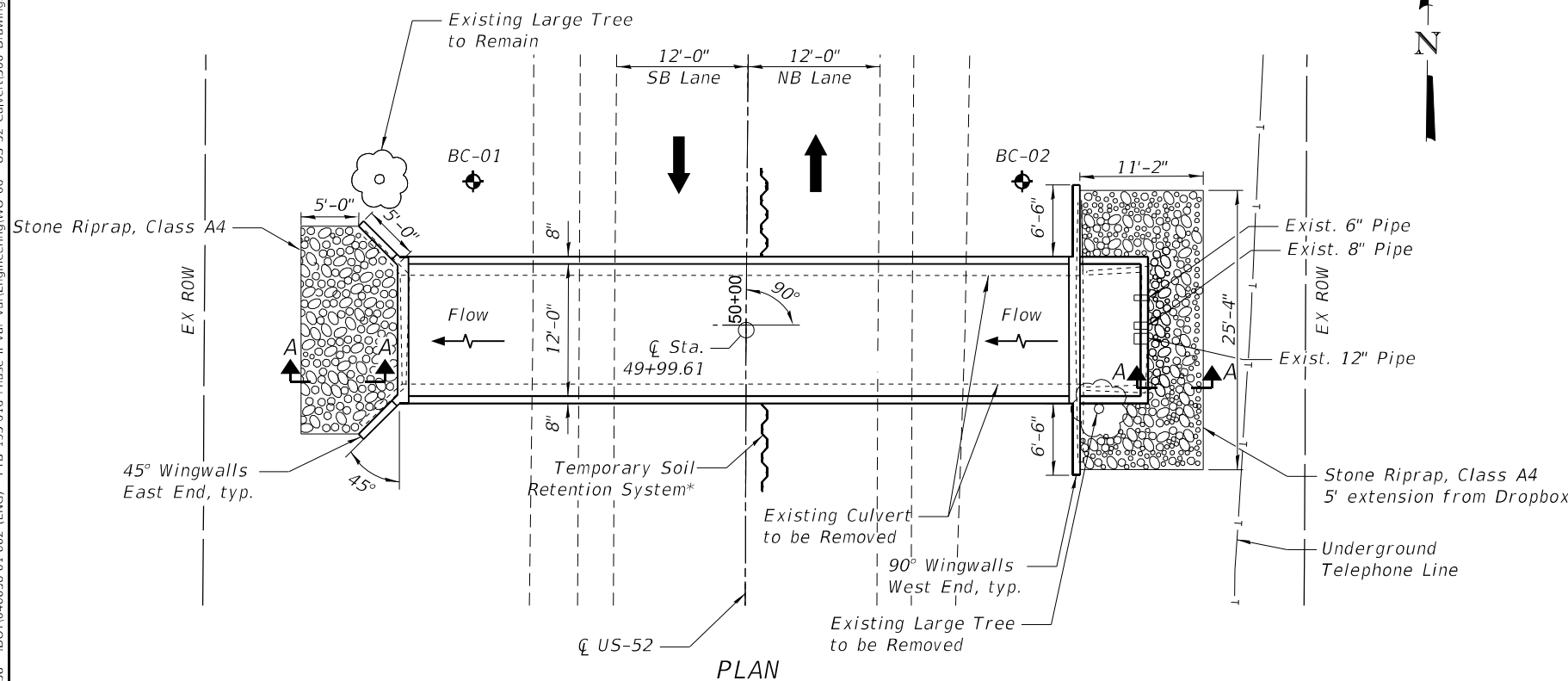
Precast alternate is allowed.

No Salvage.

Benchmark:
 Spike with yellow sleeve in power pole west side US 52 ±115 South of Existing 10'x3' culvert. Elevation = 667.86



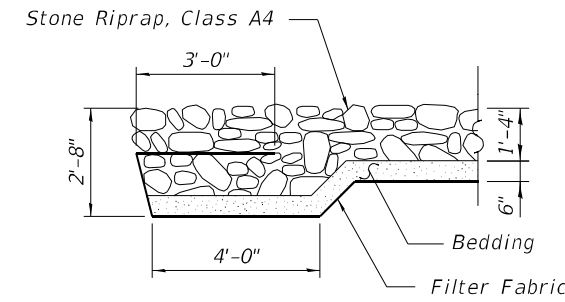
ELEVATION



PLAN

WATERWAY INFORMATION

Drainage Area= 0.24 square miles			Existing Overtopping Elev.=668.36 @ Sta. 49+00 Proposed Overtopping Elev.=668.36 @ Sta. 49+00					
Flood Event	Freq. Yr.	Q C.F.S	Opening - Sq. Ft.		Natural H.W.E.- Ft	Head - Ft		Headwater Elev.
			Exist.	Prop.		Exist.	Prop.	
	10	70.2	4.3	5.18	663.71	1.53	1.39	665.24
Design	50	118	8.8	10.56	664.16	1.87	1.65	666.03
Base	100	142	10.6	12.72	664.33	2.08	1.80	666.41
Overtop Existing								
Overtop Proposed								
Max. Calc.	500	205	14.8	17.76	664.76	2.73	2.14	667.49
10-Year Velocity through Existing Structure= 3.93 ft/s								
10-Year Velocity through Proposed Structure= 3.27 ft/s								
2-Year Flow Rate= 28 ft ³ /s								



SECTION A-A

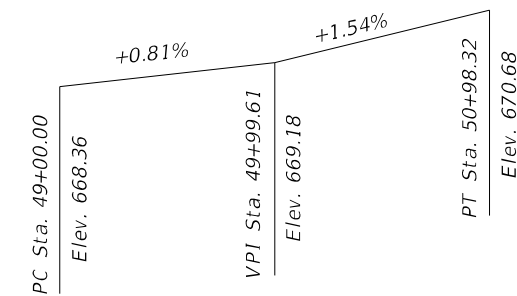
DESIGN STRESSES

FIELD UNITS

f'c = 3,500 psi
 fy = 60,000 psi (Reinforcement)
 fy = 50,000 psi (M270 Grade 50)

HIGHWAY CLASSIFICATION

Functional Class: Minor Arterial
 ADT: 5,050 (2019)
 ADTT: 825 (2019)
 Design Speed: 60 m.p.h.
 Posted Speed: 55 m.p.h.
 Two-Way Traffic (2 Lanes)



PROFILE GRADE

SCOPE OF WORK

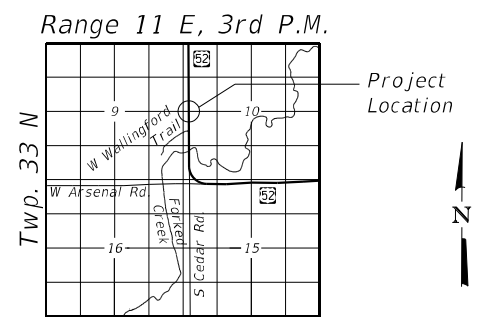
Existing 10'x3' box culvert to be replaced with single cell 12'x4' box culvert

LOADING HL-93

Allow 50#/sq. ft. for Future Wearing Surface.

DESIGN SPECIFICATIONS

2020 AASHTO LRFD Bridge Design Specifications, 9TH Edition



LOCATION SKETCH

GENERAL PLAN AND ELEVATION
US 52 AT DITCH NORTH OF FORK CREEK
WILL COUNTY
STATION 49+99.61
STRUCTURE NO. 099-8326

MODEL: Default
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN AND ELEVATION - CULVERT - SN 099-8326
US 52 OVER DITCH NORTH OF FORKED CREEK

SHEET 1 OF 8 SHEETS

F.A.P. RTE. = 852	SECTION = 2020-258-CR	COUNTY = WILL	TOTAL SHEETS = 42	SHEET NO. = 24
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62N28	

S-1

GENERAL NOTES

Cast-In-Place Concrete

- 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.

Reinforcement Bars

- Reinforcement bars, including epoxy-coated reinforcement bars, shall conform to the requirements of AASHTO M-31 (ASTM A70), grade 60, deformed bars.
- Reinforcement bars designated "(E)" shall be epoxy coated.
- Reinforcement bar bending details shall be in accordance with the latest "Manual of Standard Practice for Detailing Reinforced Concrete Structures, ACI 315.
- Reinforcement bar bending dimensions are out to out.
- 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.

Construction

- 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.
- No construction joints except those shown on the plans shall be allowed unless approved by the Engineer.
- No concrete cutting shall be permitted until the cutting limits have been outlined by the Contractor and approved by the Engineer.
- 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.
- Temporary Soil Retention System shall be designed by the Contractor.

TOTAL BILL OF MATERIAL

ITEM NO.	DESCRIPTION	UNITS	QUANTITY
20700220	POROUS GRANULAR EMBANKMENT	CU YD	127
28100107	STONE RIPRAP, CLASS A4	SQ YD	39.3
28200200	FILTER FABRIC	SQ YD	61.3
50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1
50200100	STRUCTURE EXCAVATION	CU YD	374
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	20,660
50800515	BAR SPLICERS	EACH	62
50901760	PIPE HANDRAIL	FOOT	24.5
51500100	NAME PLATES	EACH	1
52200020	TEMPORARY SOIL RETENTION SYSTEM	SQ FT	432
54003000	CONCRETE BOX CULVERTS	CU YD	82.2
X0900064	MEMBRANE WATERPROOFING FOR BURIED STRUCTURES	SQ YD	119.5
Z0054400	ROCK FILL	CU YD	19.5

LEGEND

— T — Existing Telephone Line

LIST OF ABBREVIATIONS

B	Baseline	B.F.	Back Face
cl.	Centerline	cl.	Clearance
Const.	Constant	CUL	Culvert
E.F.	Each Face	Ø	Diameter
exist.	Existing	elev.	Elevation
F.F.	Front Face	FL	Flow Line
jt.	Joint	I.F.	Inside Face
max.	Maximum	long.	longitudinal
no.	Number	min.	Minimum
PGL	Profile Grade Line	O.F.	Outside Face
req'd.	Required	prop.	Proposed
sect.	Section	rte.	Route
spec.	Specification	spa.	Spaces
std.	Standard	sta.	Station
typ.	Typical	struct.	Structure

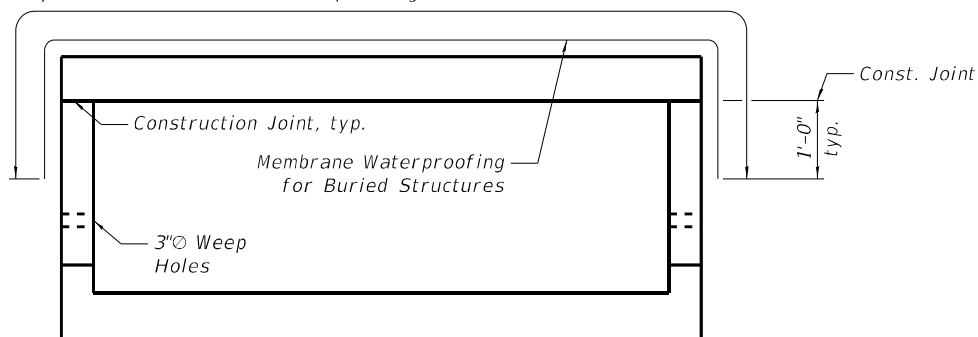
INDEX OF SHEETS

- S-1 General Plan & Elevation
- S-2 General Notes & Total Bill of Material
- S-3 Stage Construction
- S-4 Culvert Details I
- S-5 Culvert Details II
- S-6 Handrail Details
- S-7 Bar Splicer Assembly Details
- S-8 Soil Borings

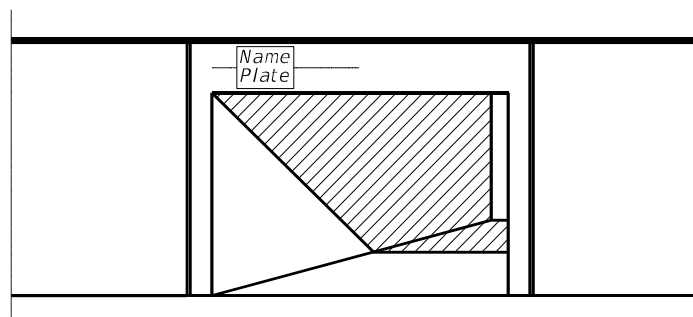
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 BUILT 202 BY
 STATE OF ILLINOIS
 LOADING HL-93
 STRUCTURE NO. 099-8326

NAME PLATE
 See Std. 515001

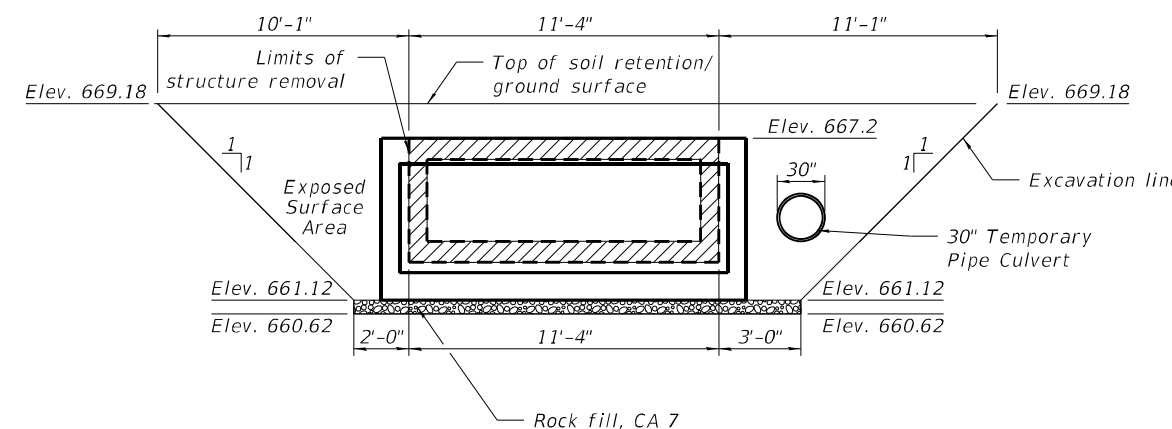
Pay Limits for Membrane Waterproofing for Buried Concrete Structures



MEMBRANE WATERPROOFING DETAIL



NAME PLATE LOCATION



TEMPORARY SOIL RETENTION DETAIL

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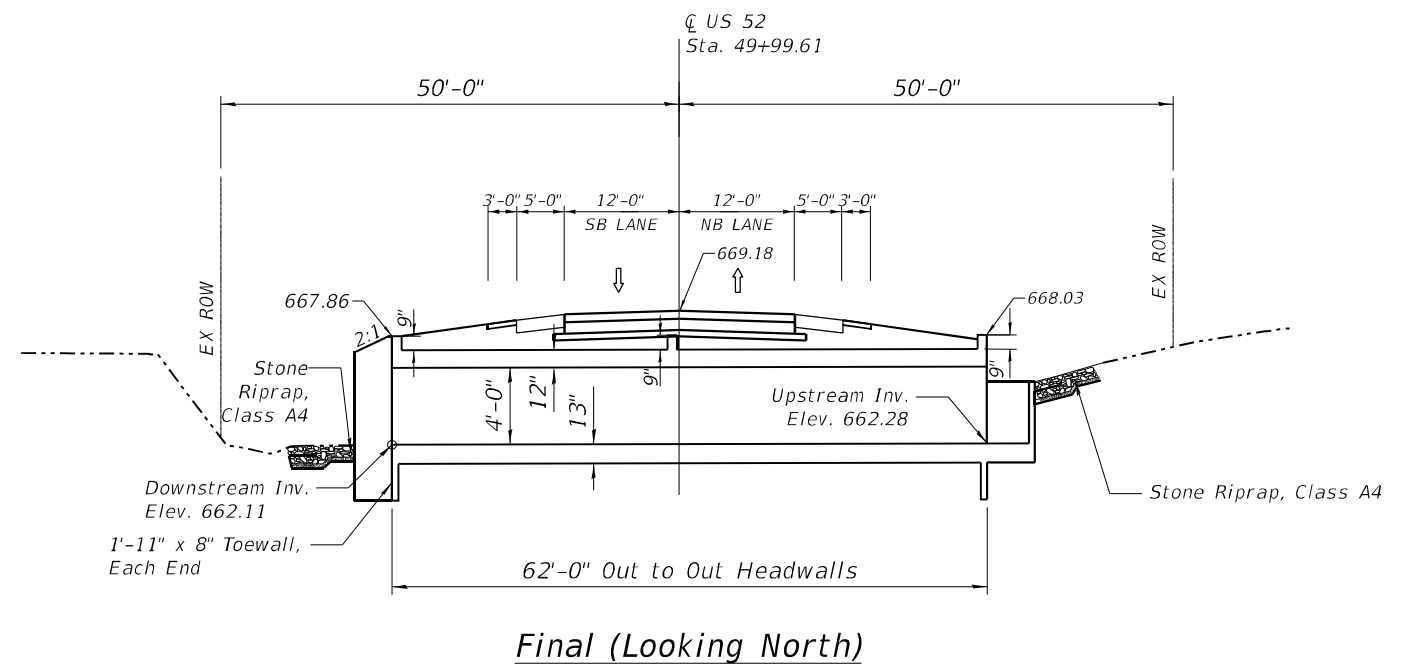
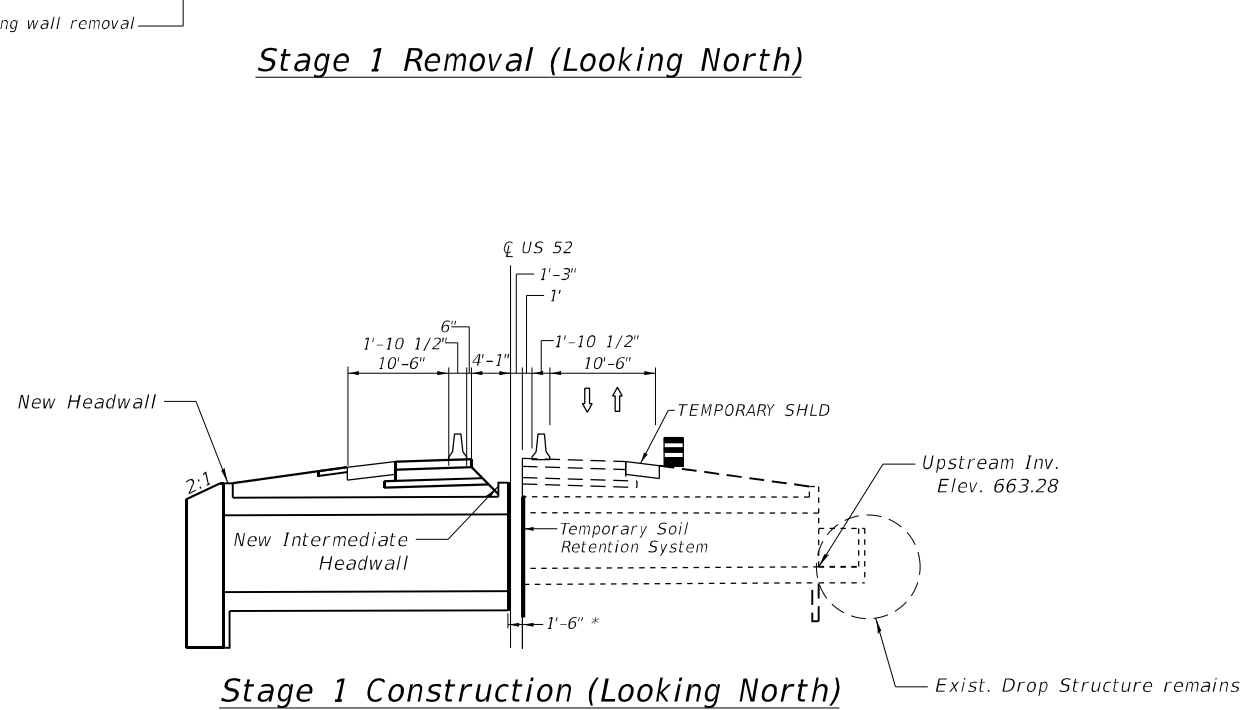
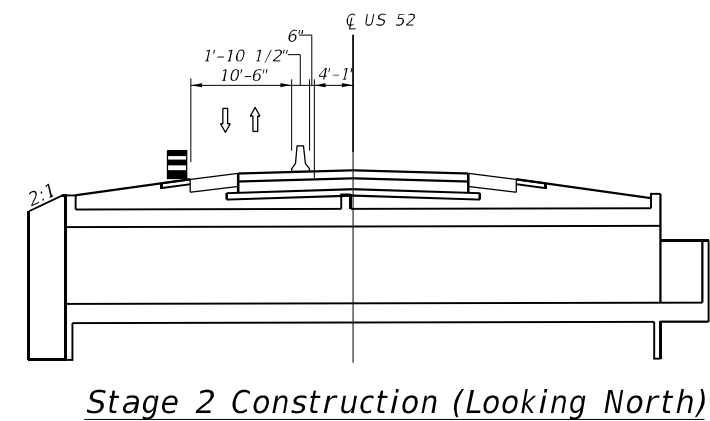
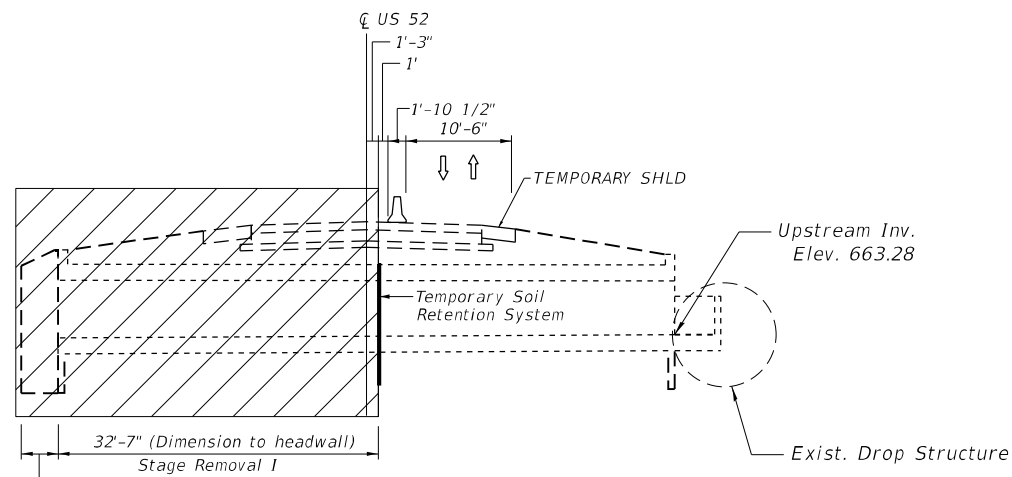
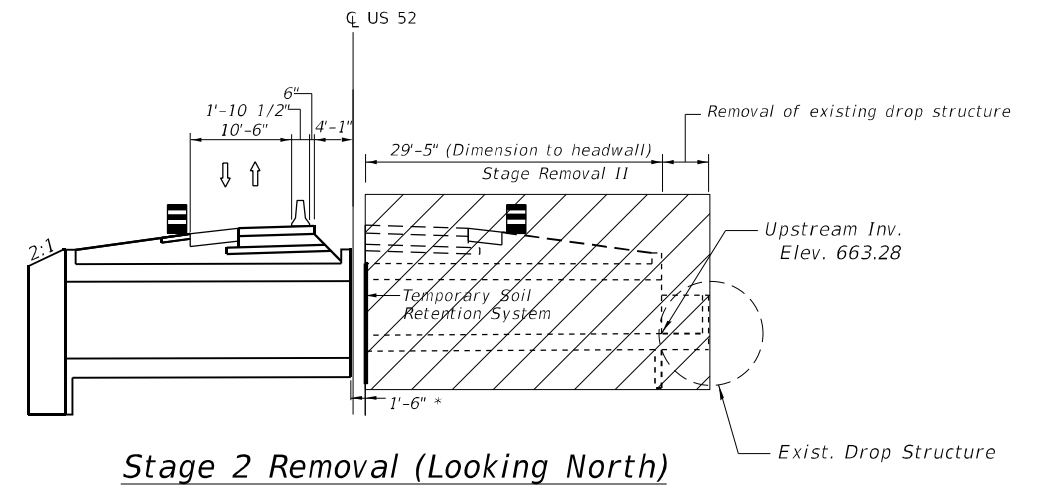
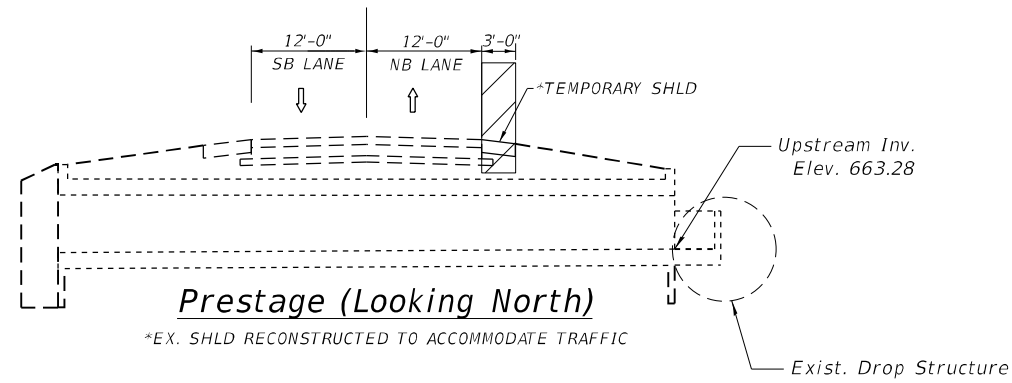
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**GENERAL NOTES - CULVERT - SN 099-8326
 US 52 OVER DITCH NORTH OF FORKED CREEK**

SHEET 2 OF 8 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
852	2020-258-CR	WILL	42	25
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62N28	



* Spacing between stage construction line and removal

MODEL: Default
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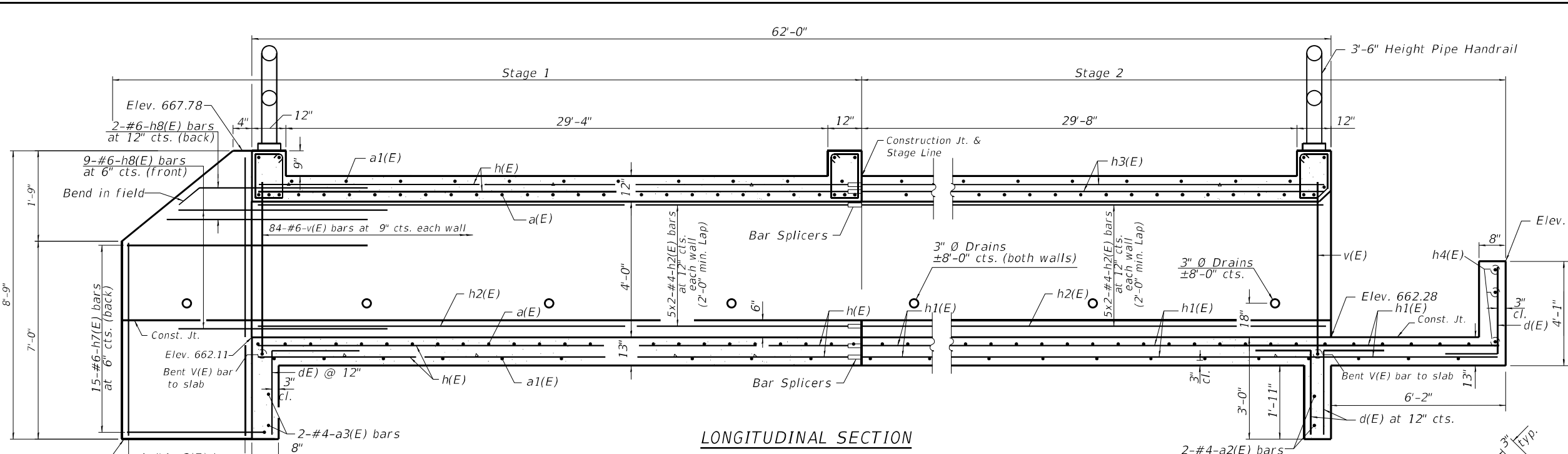
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

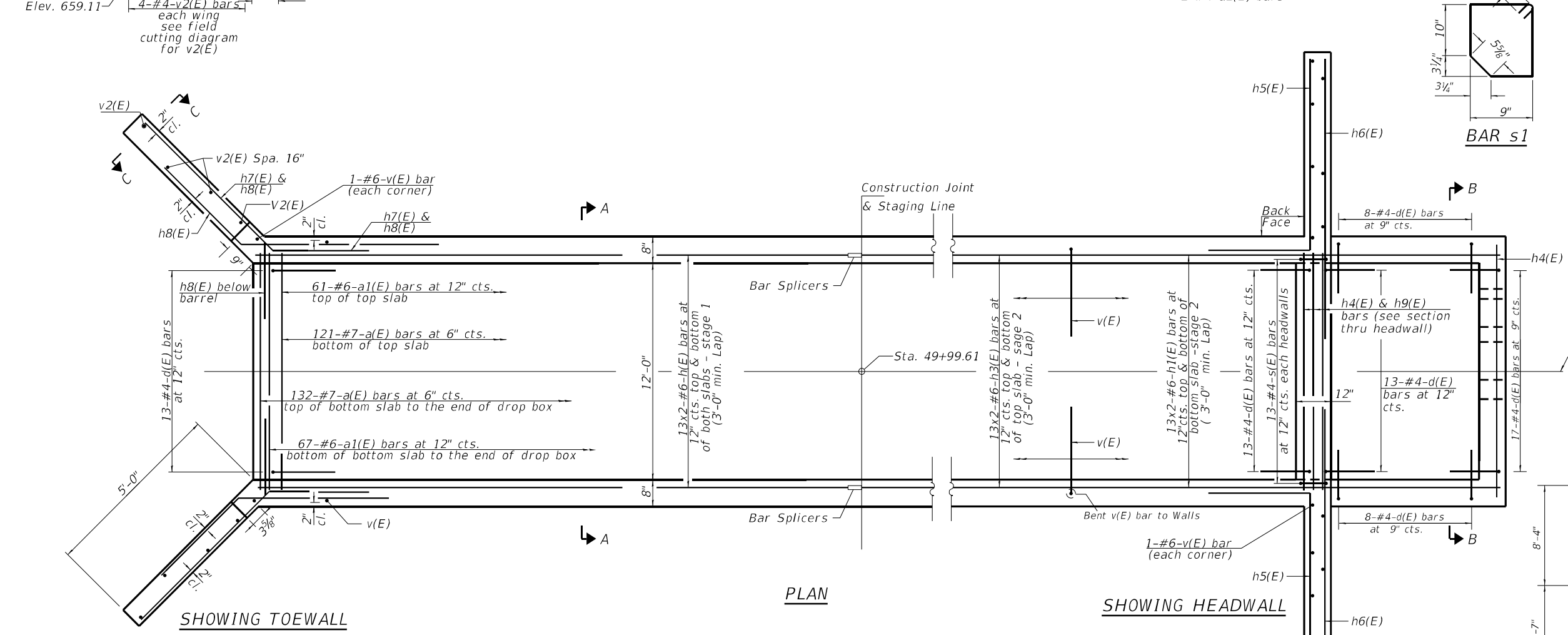
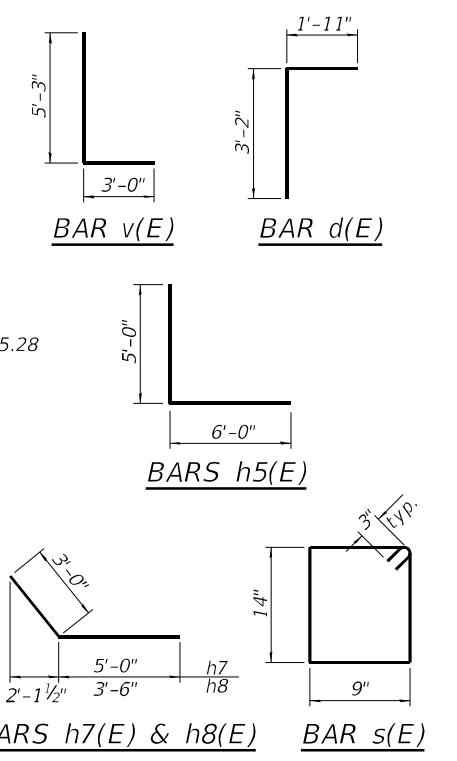
**STAGE CONSTRUCTION - CULVERT - SN 099-8326
 US 52 OVER DITCH NORTH OF FORKED CREEK**

SHEET 3 OF 8 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
852	2020-258-CR	WILL	42	26
CONTRACT NO.			62N28	
ILLINOIS FED. AID PROJECT				



LONGITUDINAL SECTION



PLAN

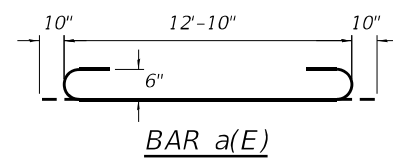
SHOWING HEADWALL

SECTION THRU HEADWALL UPSTREAM

SECTION THRU HEADWALL DOWNSTREAM

FIELD CUTTING DIAGRAM - V2(E)

Notes:
A distance of half the length of the wingwall but not less than six feet of the barrel shall be poured monolithically with the wingwalls.



BAR a(E)

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

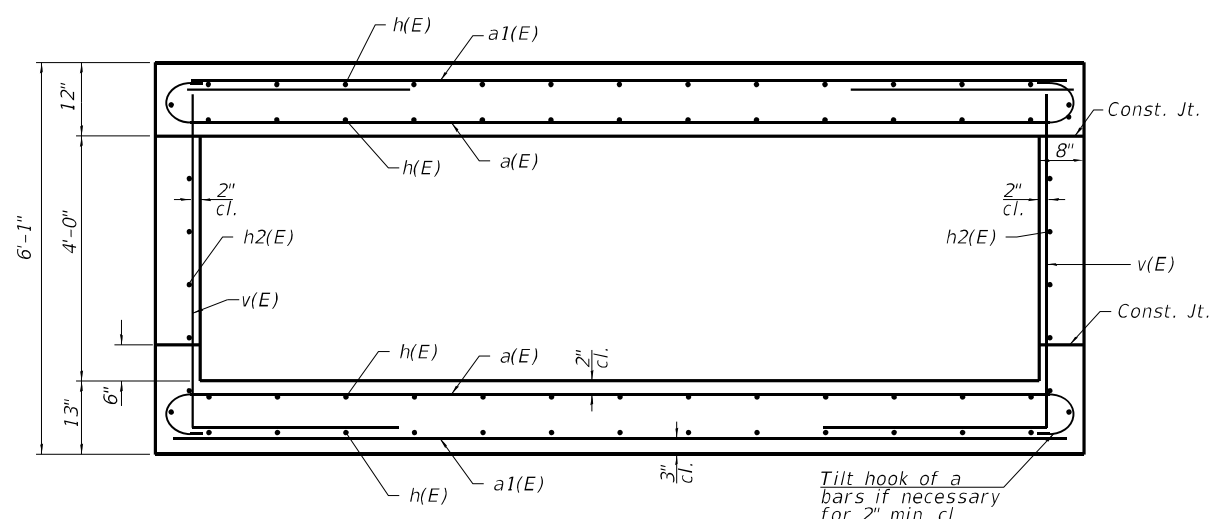
CULVERT DETAILS I - CULVERT - SN 099-8326
US 52 OVER DITCH NORTH OF FORKED CREEK

SHEET 4 OF 8 SHEETS

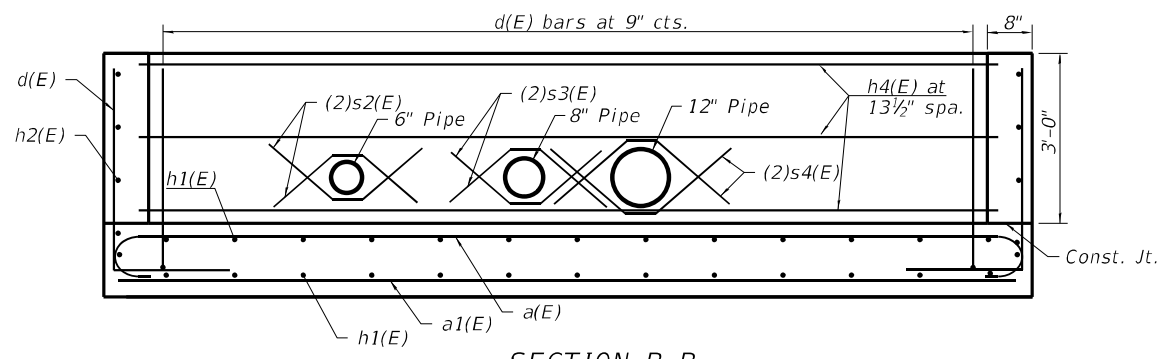
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852	2020-258-CR	WILL	42	27
			CONTRACT NO.	62N28

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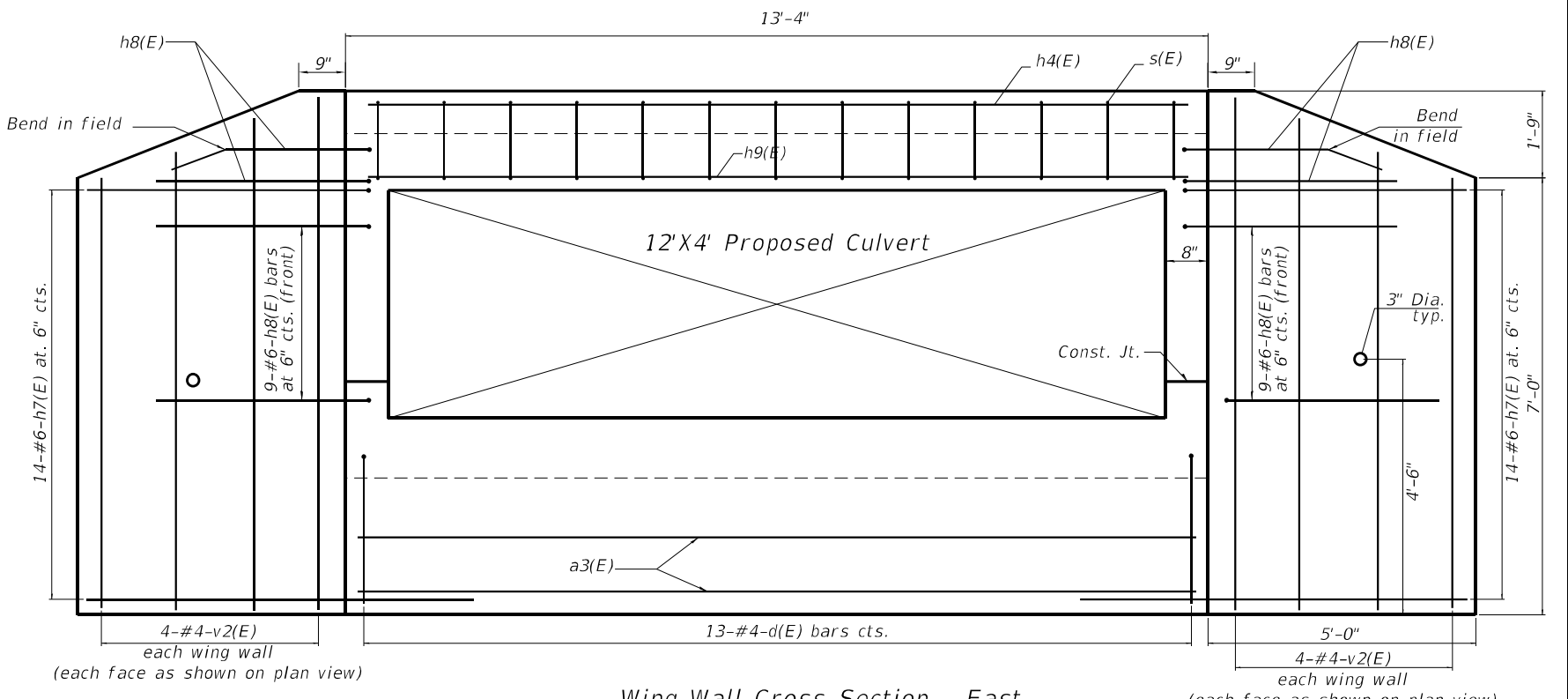
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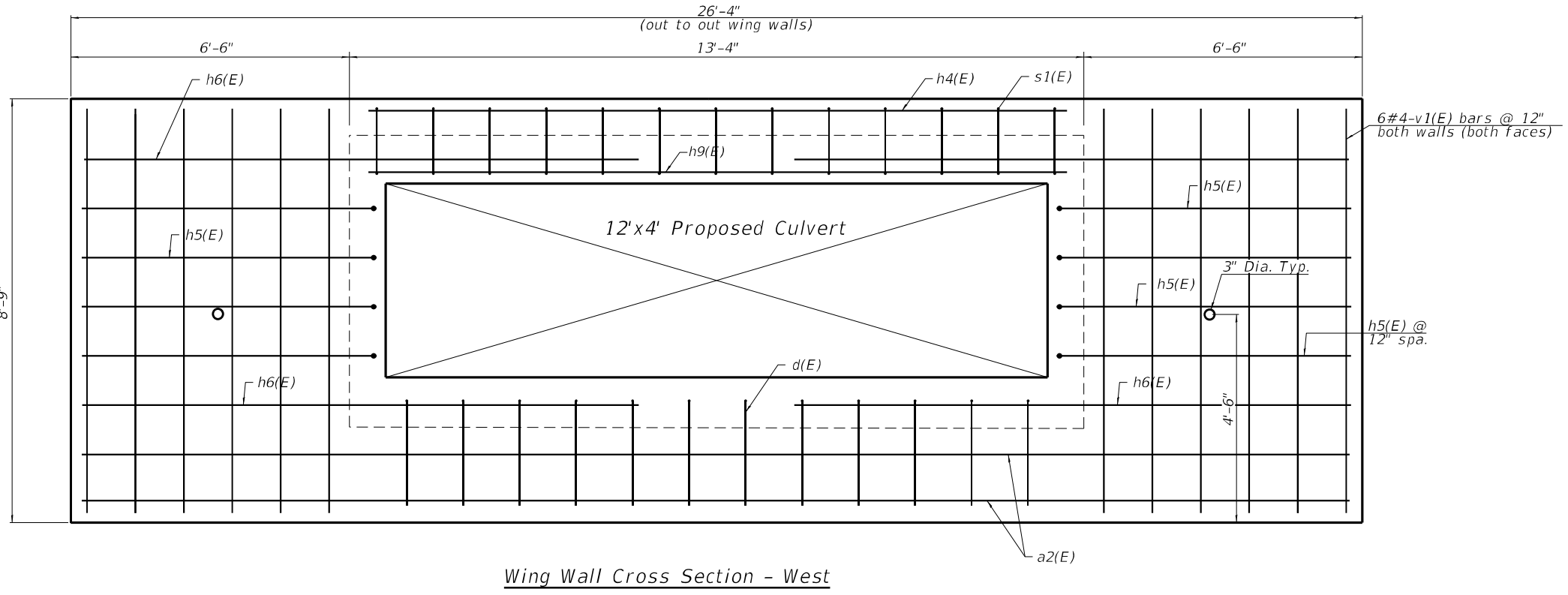
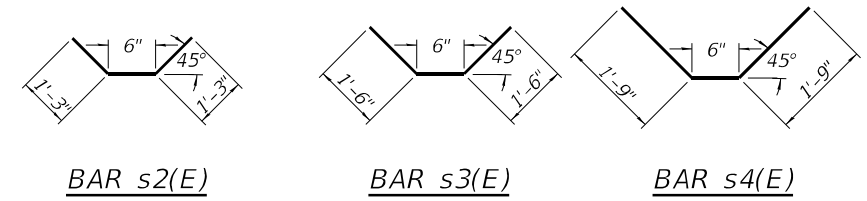
SECTION A-A



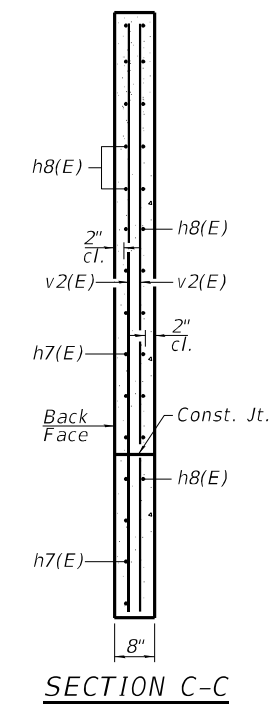
SECTION B-B



Wing Wall Cross Section - East



Wing Wall Cross Section - West



SECTION C-C

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a(E)	257	#7	14'-6"	U
a1(E)	128	#6	12'-8"	U
a2(E)	2	#4	26'-0"	U
a3(E)	2	#4	12'-6"	U
d(E)	72	#4	5'-1"	L
h(E)	104	#6	17'-0"	U
h1(E)	52	#6	19'-8"	U
h2(E)	40	#4	16'-6"	U
h3(E)	52	#6	17'-2"	U
h4(E)	9	#6	12'-6"	U
h5(E)	8	#6	11'-0"	U
h6(E)	4	#6	10'-0"	U
h7(E)	30	#6	9'-6"	U
h8(E)	22	#6	8'-0"	U
h9(E)	9	#6	12'-6"	U
s(E)	26	#4	4'-4"	U
s1(E)	13	#4	4'-2"	U
s2(E)	4	#4	3'-0"	U
s3(E)	4	#4	3'-6"	U
s4(E)	4	#4	4'-0"	U
v(E)	168	#6	8'-3"	U
v1(E)	12	#4	8'-4"	U
v2(E)	4	#4	14'-11"	U
Concrete Box Culverts	Cu. Yd.		82.2	
Reinforcement Bars	Pound		20,500	

Note: Bars indicate thus 13x2-#5 etc indicates 13 lines of bars with 2 lengths per line.



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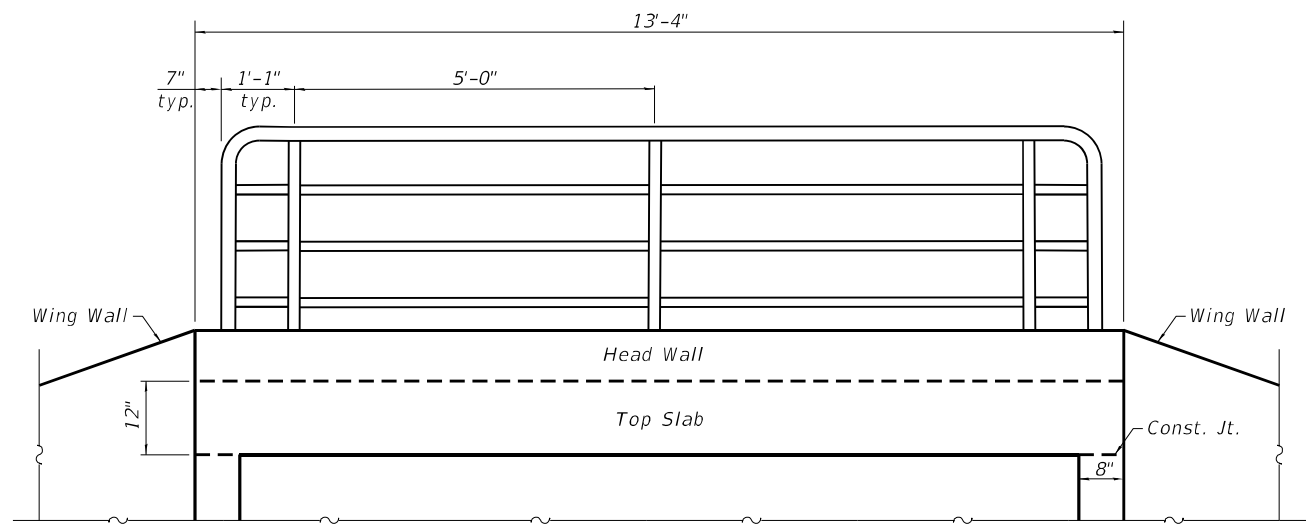
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CULVERT DETAILS II - CULVERT - SN 099-8326
 US 52 OVER DITCH NORTH OF FORKED CREEK

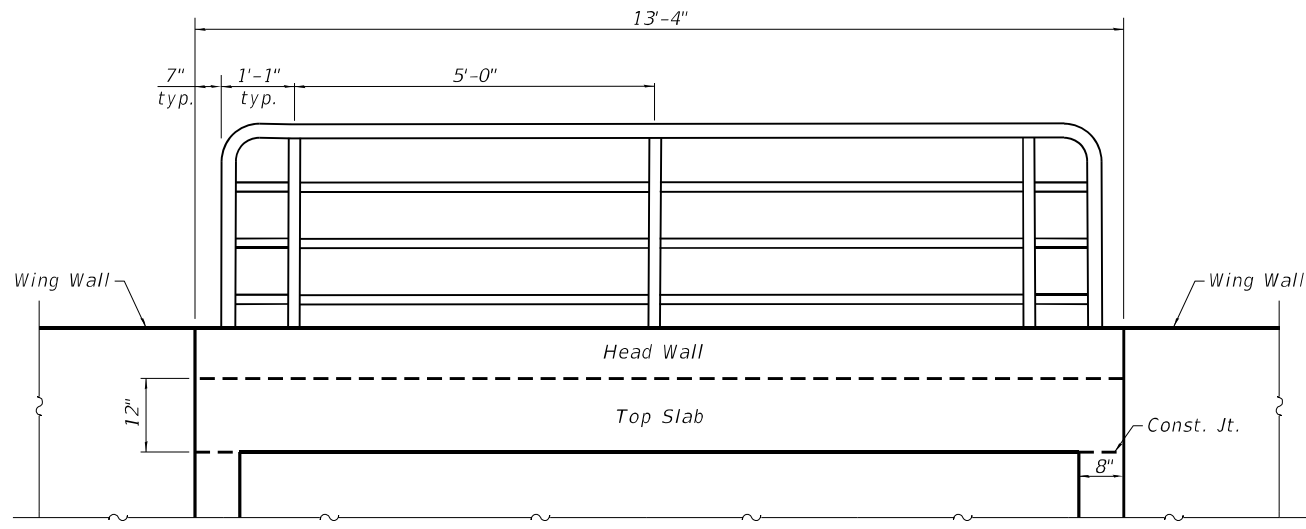
SHEET 5 OF 8 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO.			62N28	
ILLINOIS FED. AID PROJECT				

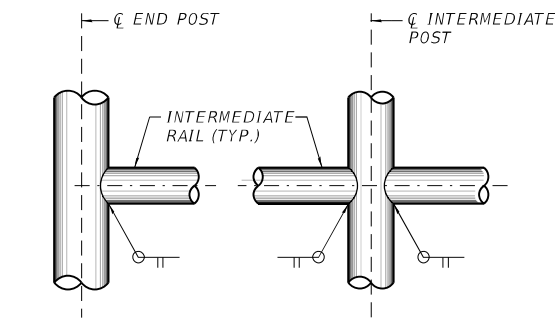
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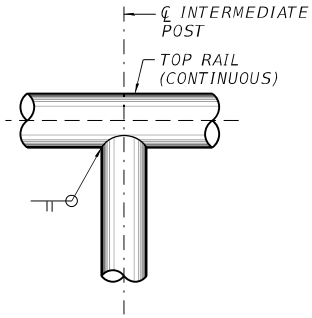
WEST END



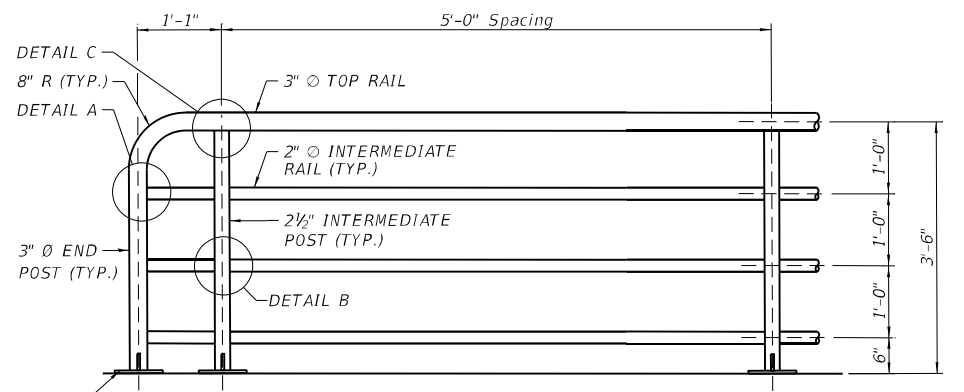
EAST END



DETAIL A **DETAIL B**



DETAIL C

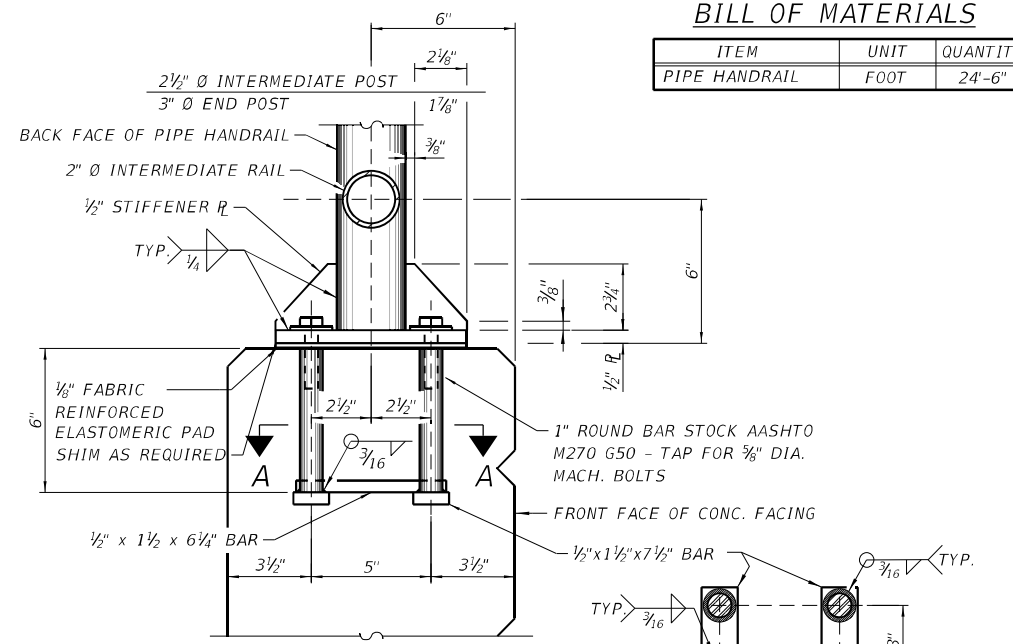


PARTIAL ELEVATION

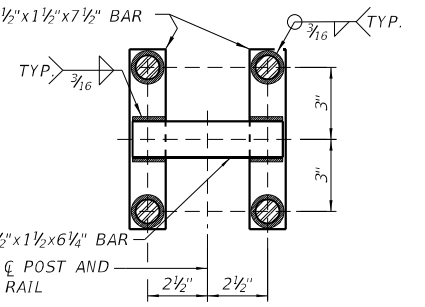
(RAILING SHALL BE ACCORDING TO SECTION 509 OF THE STANDARD SPECIFICATIONS)

BILL OF MATERIALS

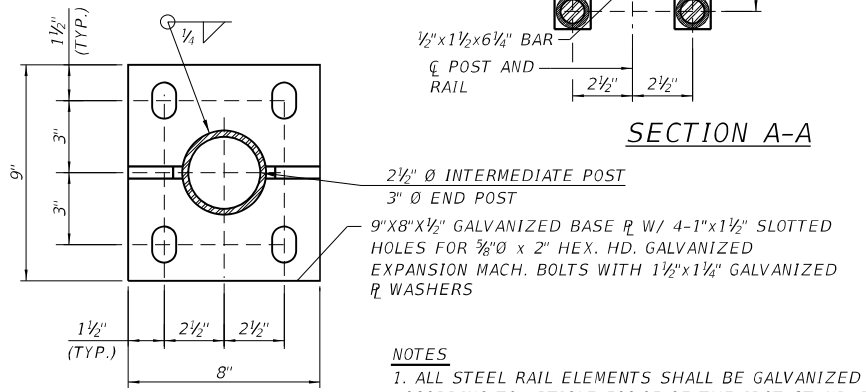
ITEM	UNIT	QUANTITY
PIPE HANDRAIL	FOOT	24'-6"



ELEVATION



SECTION A-A



PLAN

DETAIL - WALL MOUNTED POST

NOTES
 1. ALL STEEL RAIL ELEMENTS SHALL BE GALVANIZED ACCORDING TO ARTICLE 509.05 OF THE IDOT STANDARD SPECIFICATIONS.



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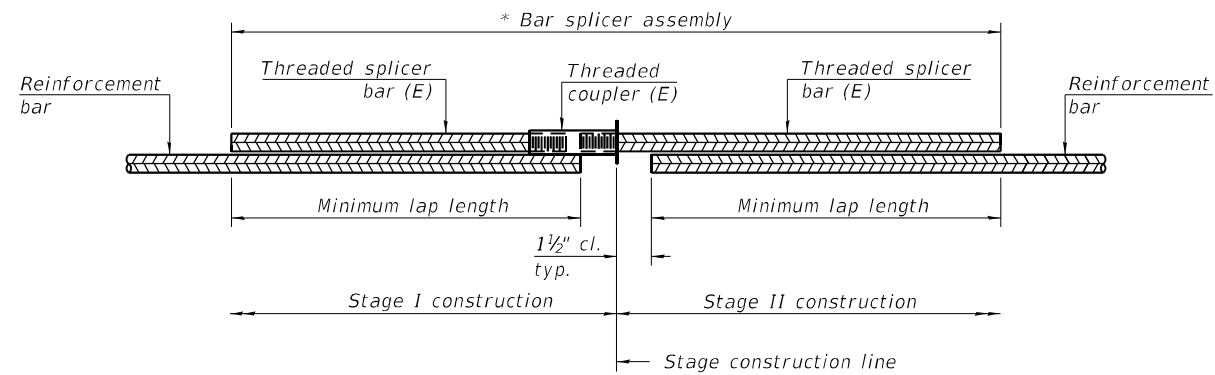
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**HANDRAIL DETAILS - CULVERT - SN 099-8326
 US 52 OVER DITCH NORTH OF FORKED CREEK**

SHEET 6 OF 8 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
852	2020-258-CR	WILL	42	29
CONTRACT NO. 62N28				

ILLINOIS FED. AID PROJECT



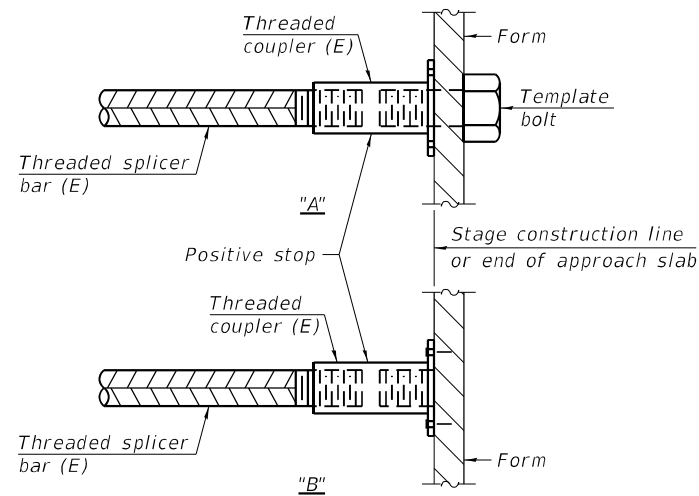
STANDARD BAR SPLICER ASSEMBLY PLAN

(All components shall be provided from one supplier)

Threaded splicer bar length = min. lap length + 1 1/2" + thread length

* Epoxy not required on Bar Splicer Assembly components used in conjunction with black bars.

Location	Bar size	No. assemblies required	Minimum lap length
Bottom Slab	#6	26	3'-0"
Top Slab	#6	26	3'-0"
Sidewalls	#4	10	2'-0"

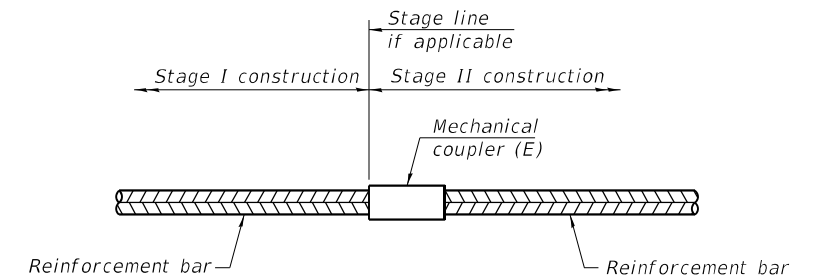


INSTALLATION AND SETTING METHODS

"A" : Set bar splicer assembly by means of a template bolt.

"B" : Set bar splicer assembly by nailing to wood forms or cementing to steel forms.

(E) : Indicates epoxy coating.



STANDARD MECHANICAL SPLICER

Location	Bar size	No. assemblies required

Notes:
 Splicer bars shall be deformed with threaded ends and have a minimum 60 ksi yield strength.
 All reinforcement shall be lapped and tied to the splicer bars.
 Bar splicer assemblies shall be epoxy coated according to the requirements for reinforcement bars. See Section 508 of the Standard Specifications.
 See approved list of bar splicer assemblies and mechanical splicers for alternatives.

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BSD-1

1-1-2020



311 S. Wacker Drive, Suite 1950
 Chicago, Illinois 60606
 312-414-0580
 www.bowmanconsulting.com

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**BAR SPLICER ASSEMBLY DETAILS - CULVERT - SN 099-8326
 US 52 OVER DITCH NORTH OF FORKED CREEK**

SHEET 7 OF 8 SHEETS

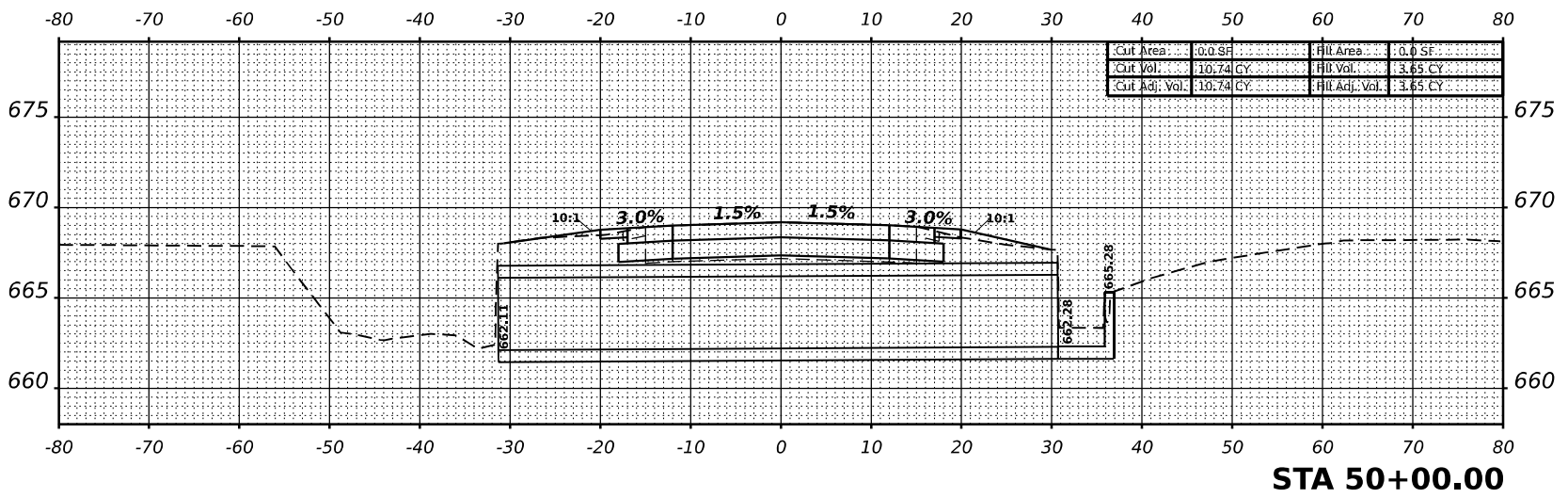
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ILLINOIS FED. AID PROJECT			CONTRACT NO. 62N28	

S-7

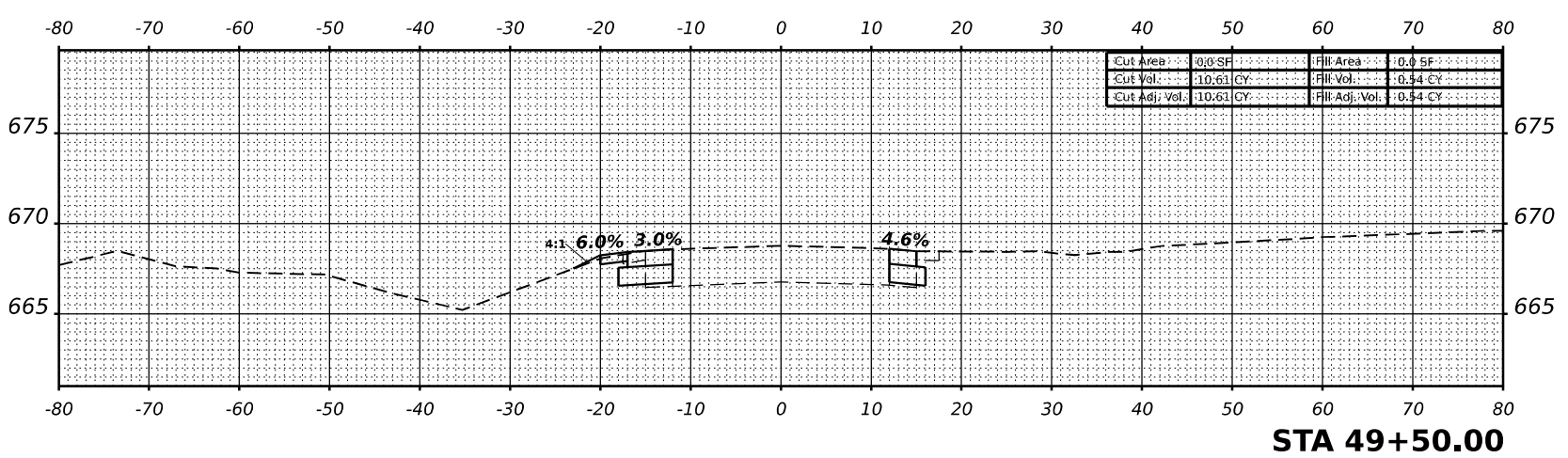
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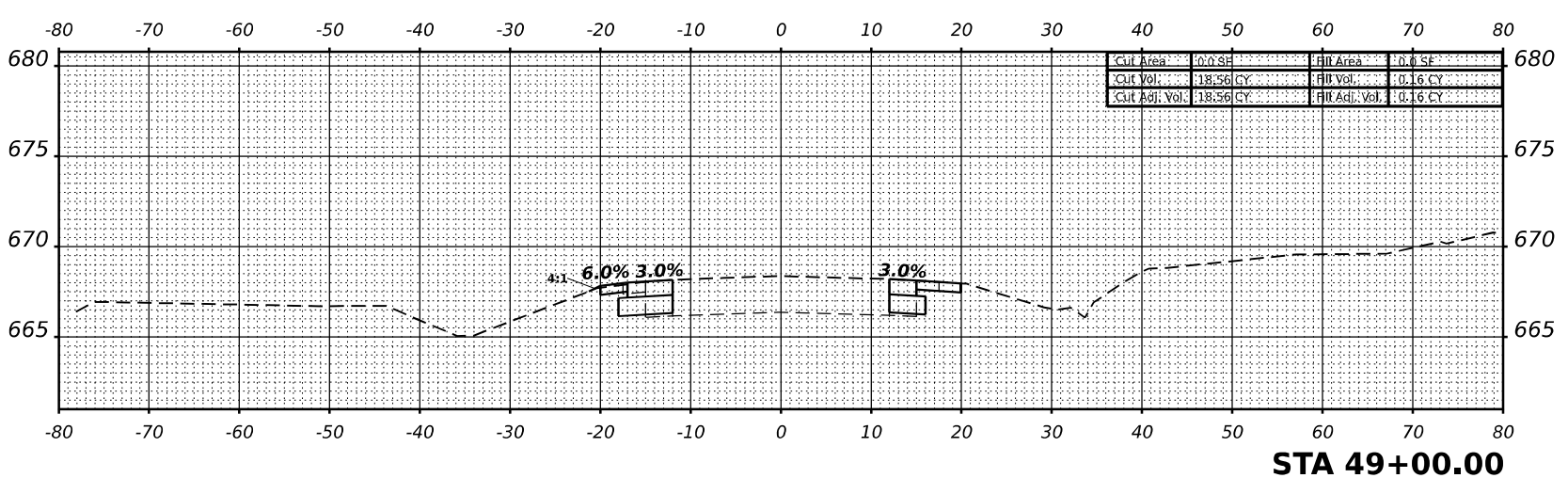
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

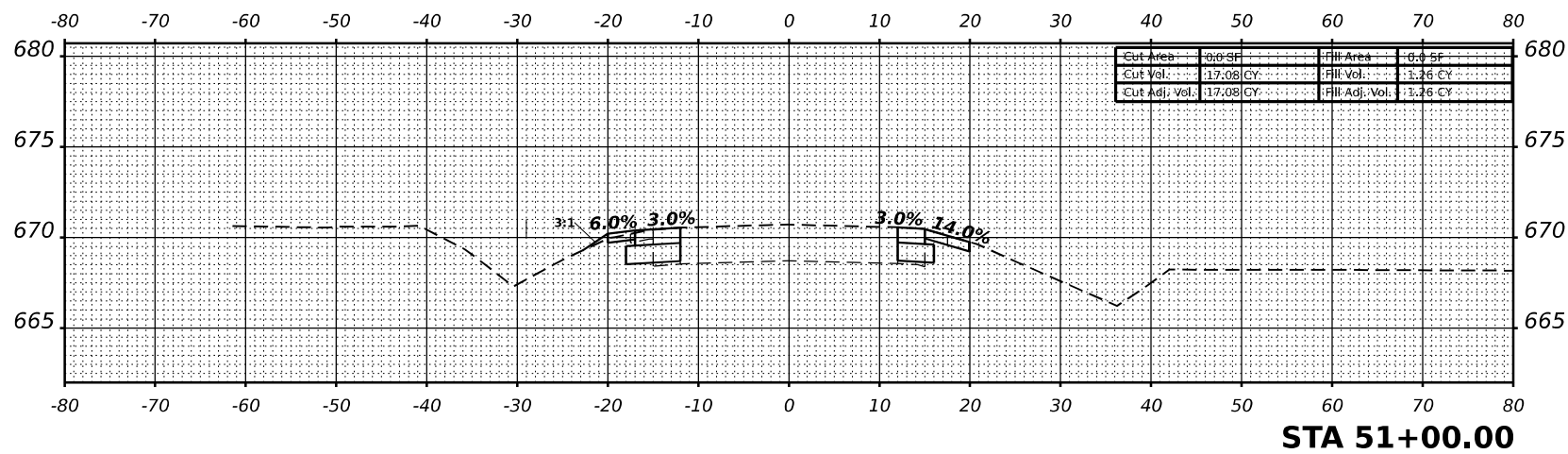
CROSS SECTIONS	
US 52 OVER DITCH NORTH OF FORKED CREEK	
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ILLINOIS FED. AID PROJECT				

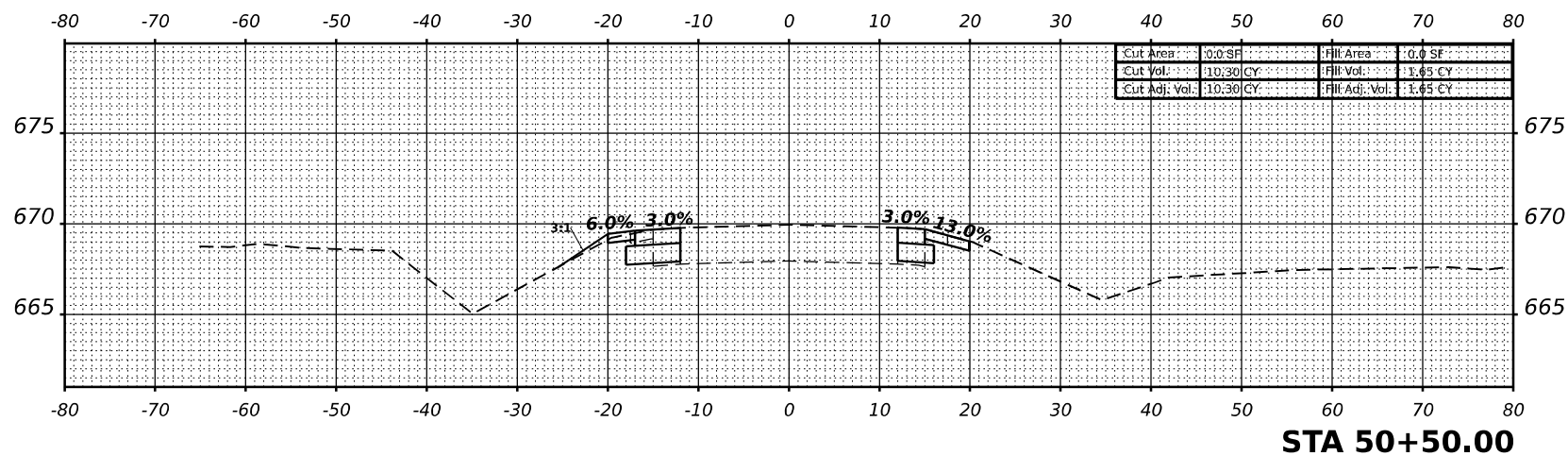
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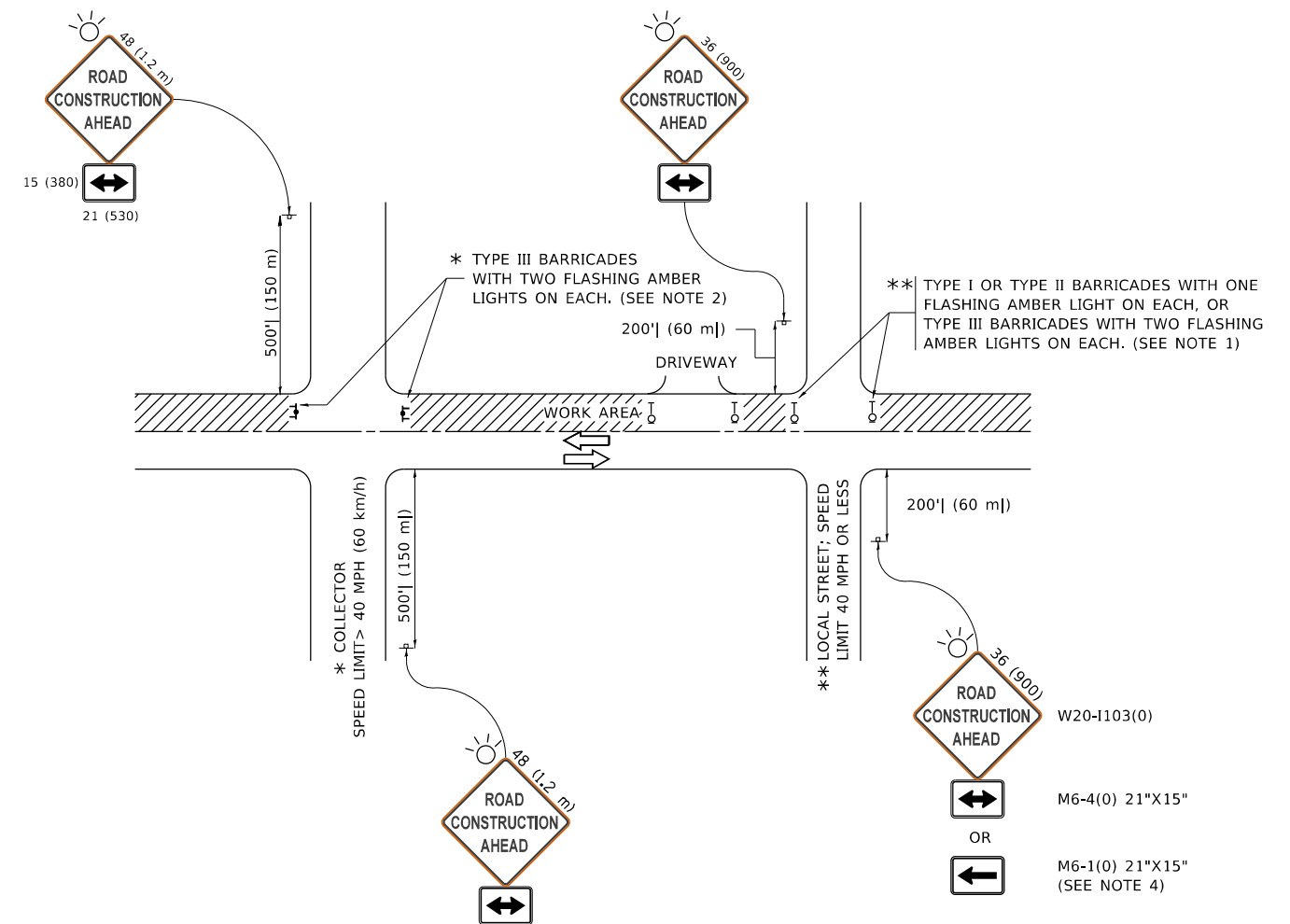


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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS			
US 52 OVER DITCH NORTH OF FORKED CREEK			
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852	2020-258-CR	WILL	42	33
				CONTRACT NO. 62N28
				ILLINOIS FED. AID PROJECT



NOTES:

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

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

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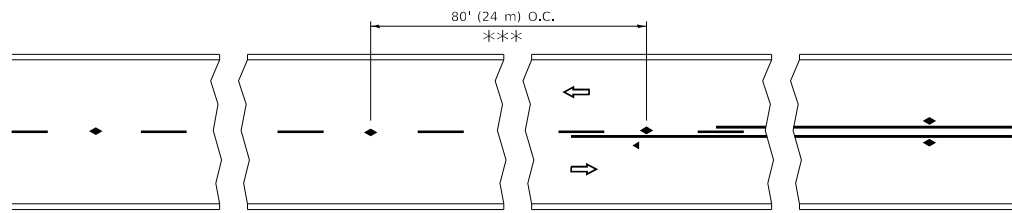
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

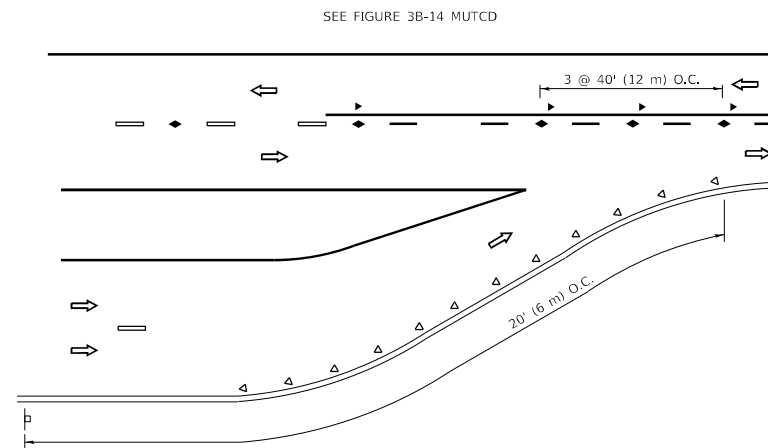
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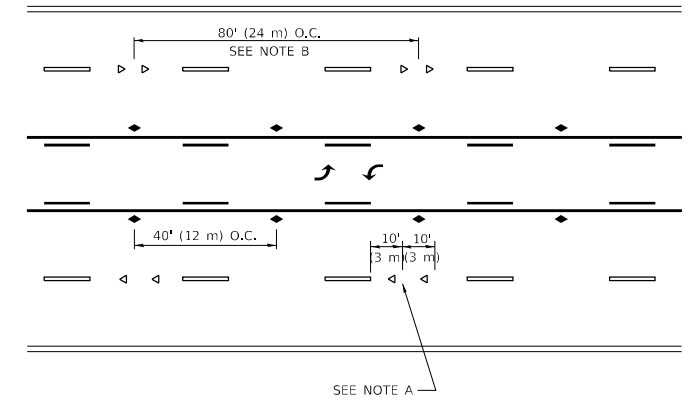


*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

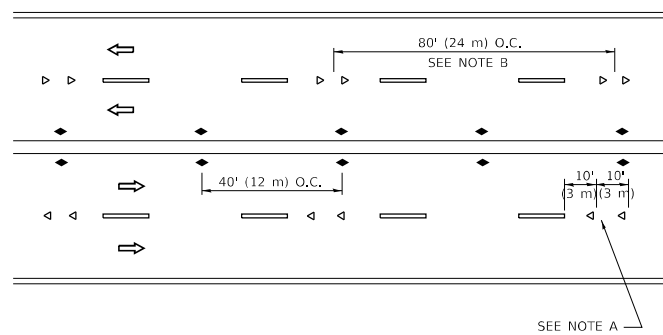
TWO-LANE/TWO-WAY



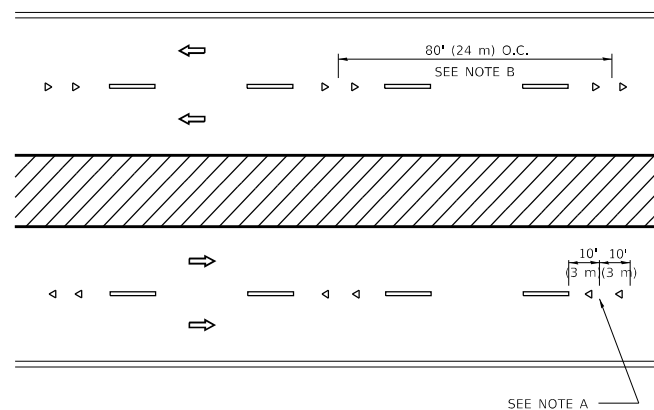
LANE REDUCTION TRANSITION



TWO-WAY LEFT TURN



MULTI-LANE/UNDIVIDED



MULTI-LANE/DIVIDED

GENERAL NOTES

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

SYMBOLS

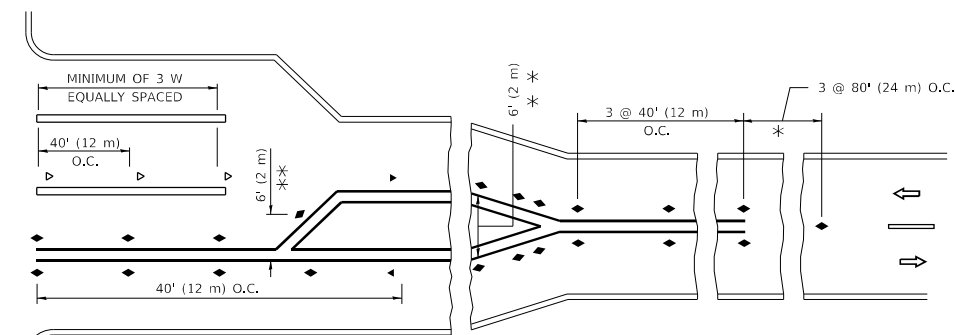
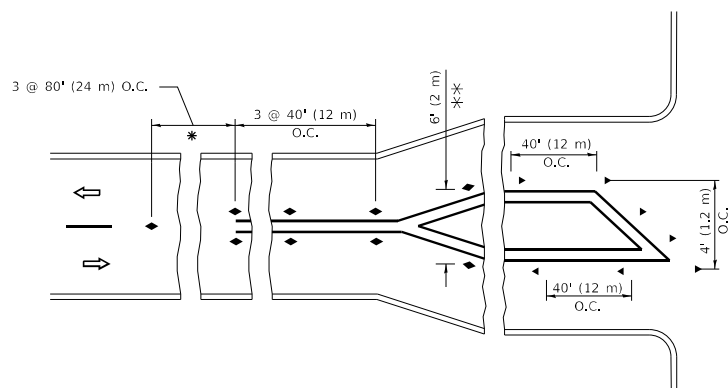
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◀ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

LANE MARKER NOTES

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

DESIGN NOTES

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



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

TURN LANES

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

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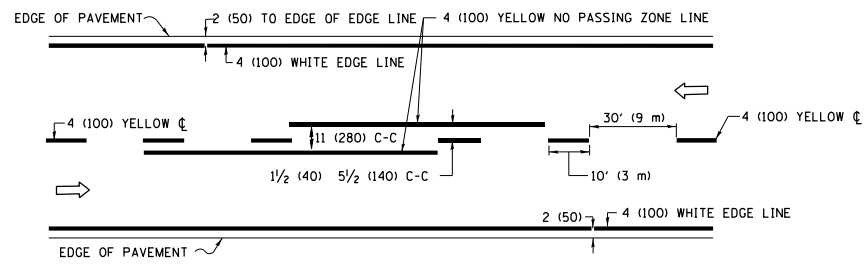
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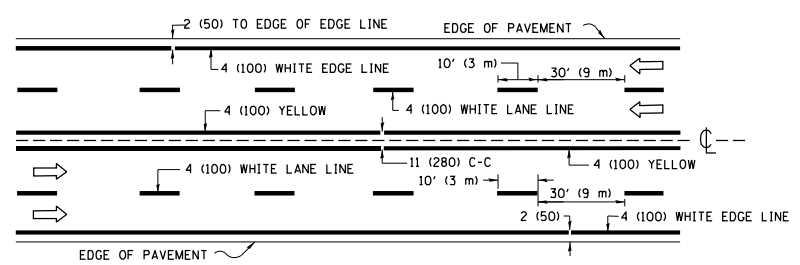
**TYPICAL APPLICATIONS
 RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)**

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

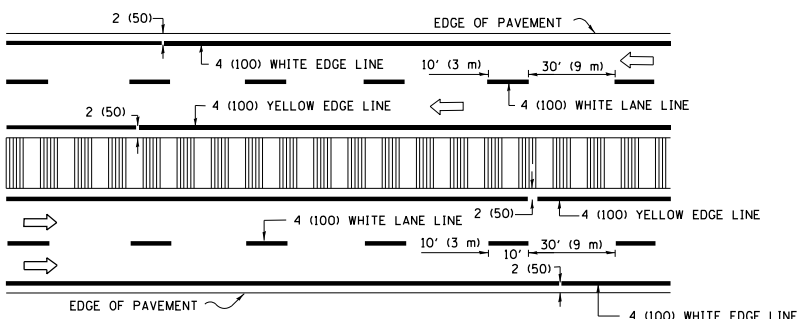
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
852	2020-258-CR	WILL	42	35
TC-11			CONTRACT NO.	
ILLINOIS FED. AID PROJECT				



2-LANE ROADWAY

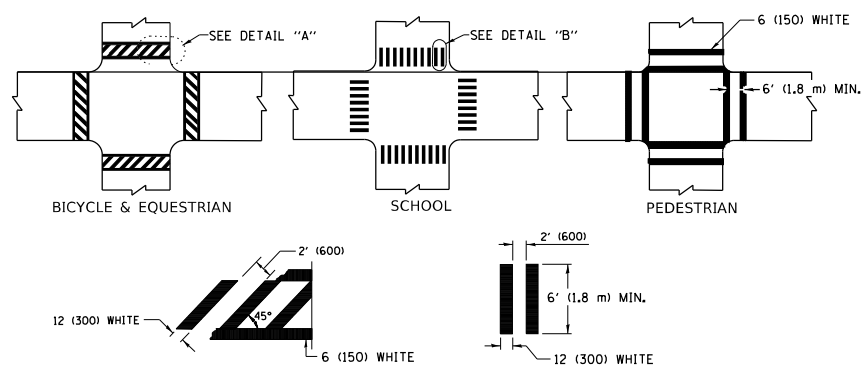


MULTI-LANE UNDIVIDED



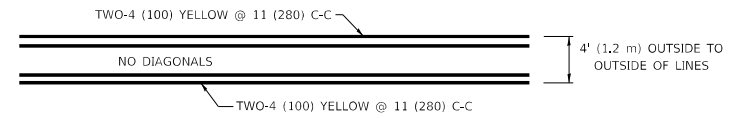
MULTI-LANE DIVIDED WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING

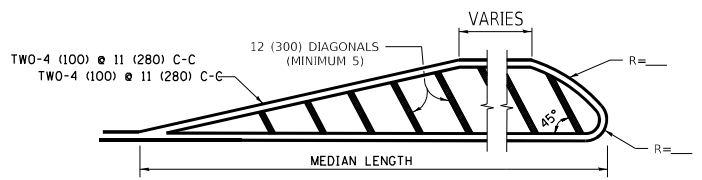


TYPICAL CROSSWALK MARKING

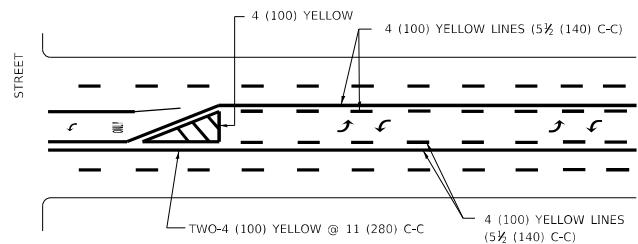
* MARKINGS SHALL BE INSTALLED PARALLEL TO THE CENTERLINE OF THE ROAD WHICH IT CROSSES



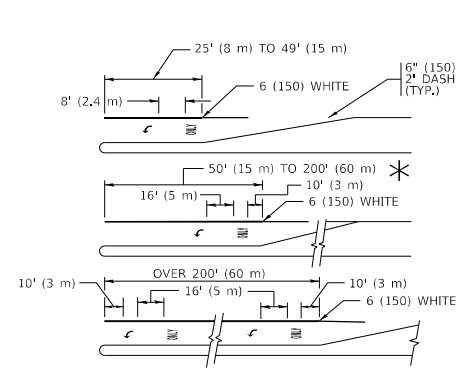
4' (1.2 m) WIDE MEDIANS ONLY



MEDIANS OVER 4' (1.2 m) WIDE



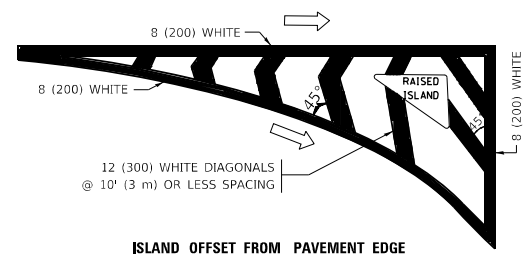
TYPICAL PAINTED MEDIAN MARKING



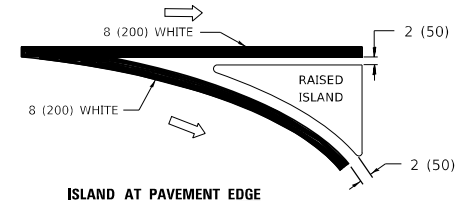
TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING

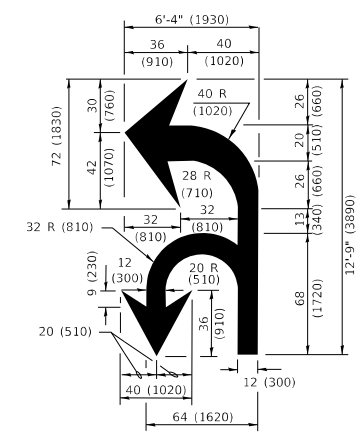
FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
 * TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".



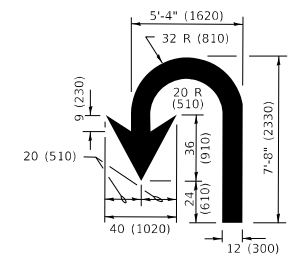
ISLAND OFFSET FROM PAVEMENT EDGE



ISLAND AT PAVEMENT EDGE
TYPICAL ISLAND MARKING



COMBINATION LEFT AND U-TURN



U-TURN

LANE REDUCTION TRANSITION

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

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

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

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

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

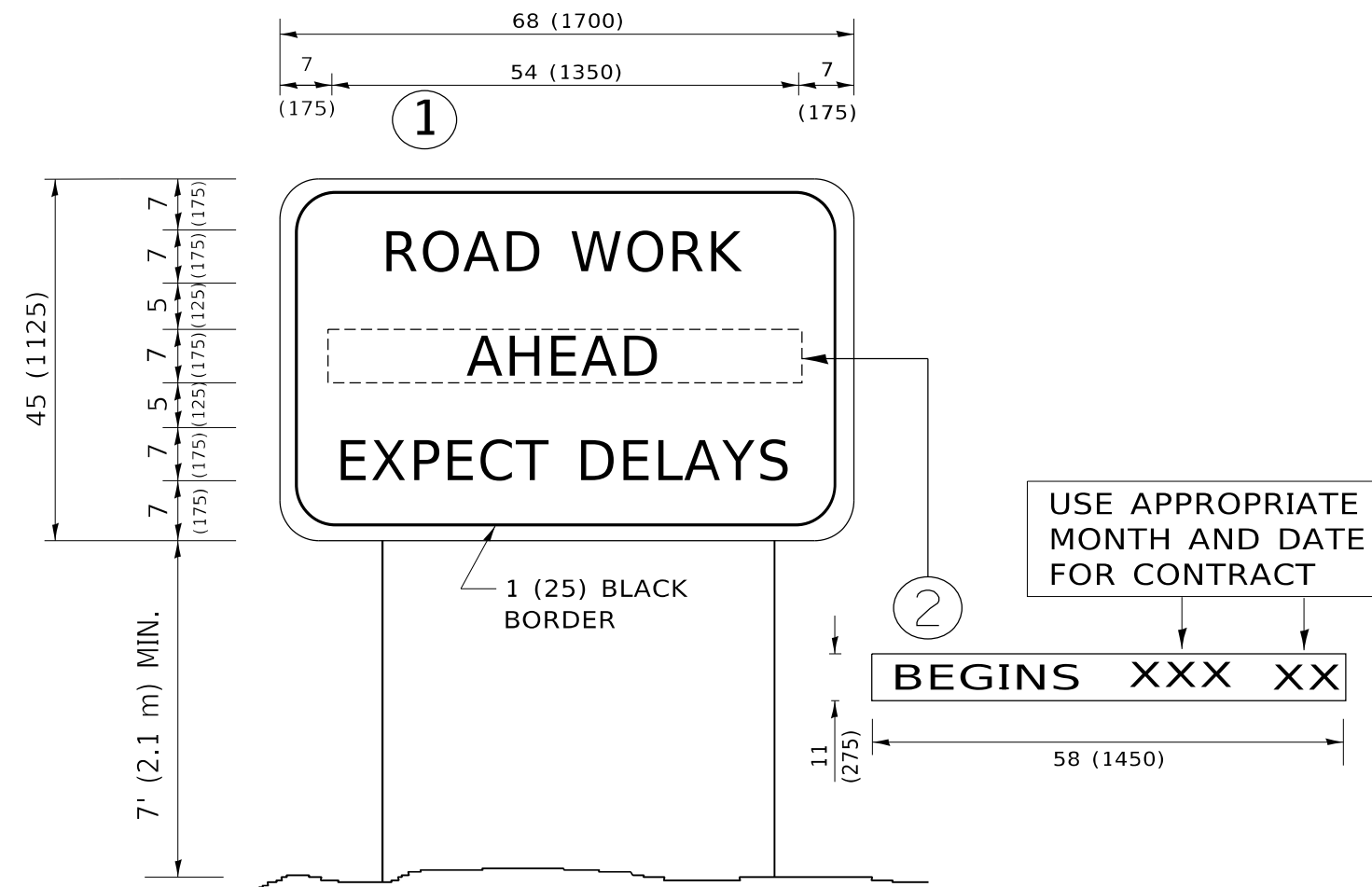
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		REVISED - C. JUCIUS 04-12-16

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DISTRICT ONE		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TYPICAL PAVEMENT MARKINGS		852	2020-258-CR	WILL	42	36
SCALE: NONE		SHEET 1 OF 2 SHEETS		STA. TO STA.	CONTRACT NO.	

ILLINOIS		FED. AID PROJECT	
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NOTES:

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

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

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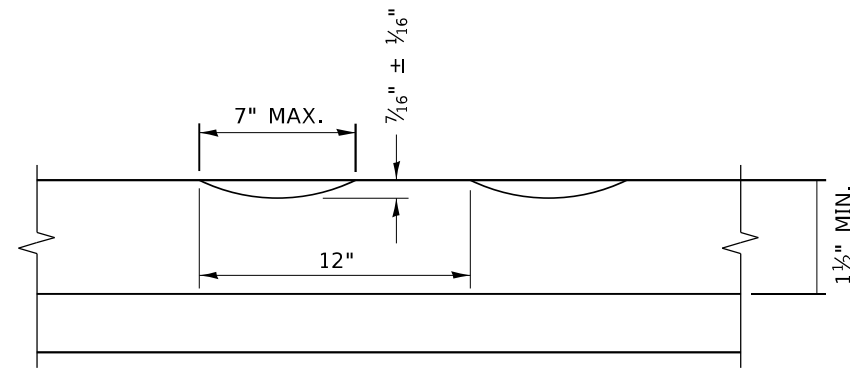
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

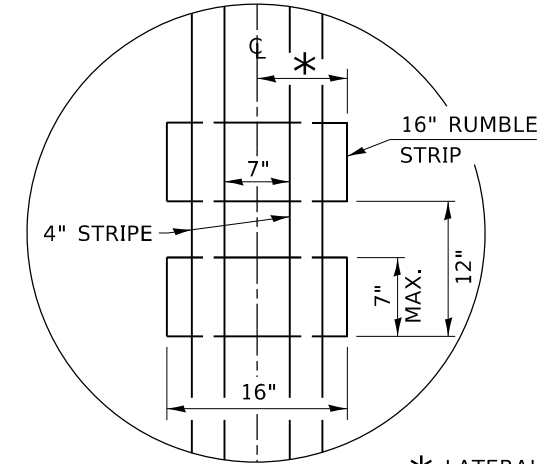
**ARTERIAL ROAD
INFORMATION SIGN**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
852	2020-258-CR	WILL	42	37
TC-22			CONTRACT NO.	
ILLINOIS FED. AID PROJECT				



SECTION A-A



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

DETAIL B

GENERAL NOTES

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

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

ALL RUMBLE STRIPS SHALL BE MILLED.

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

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

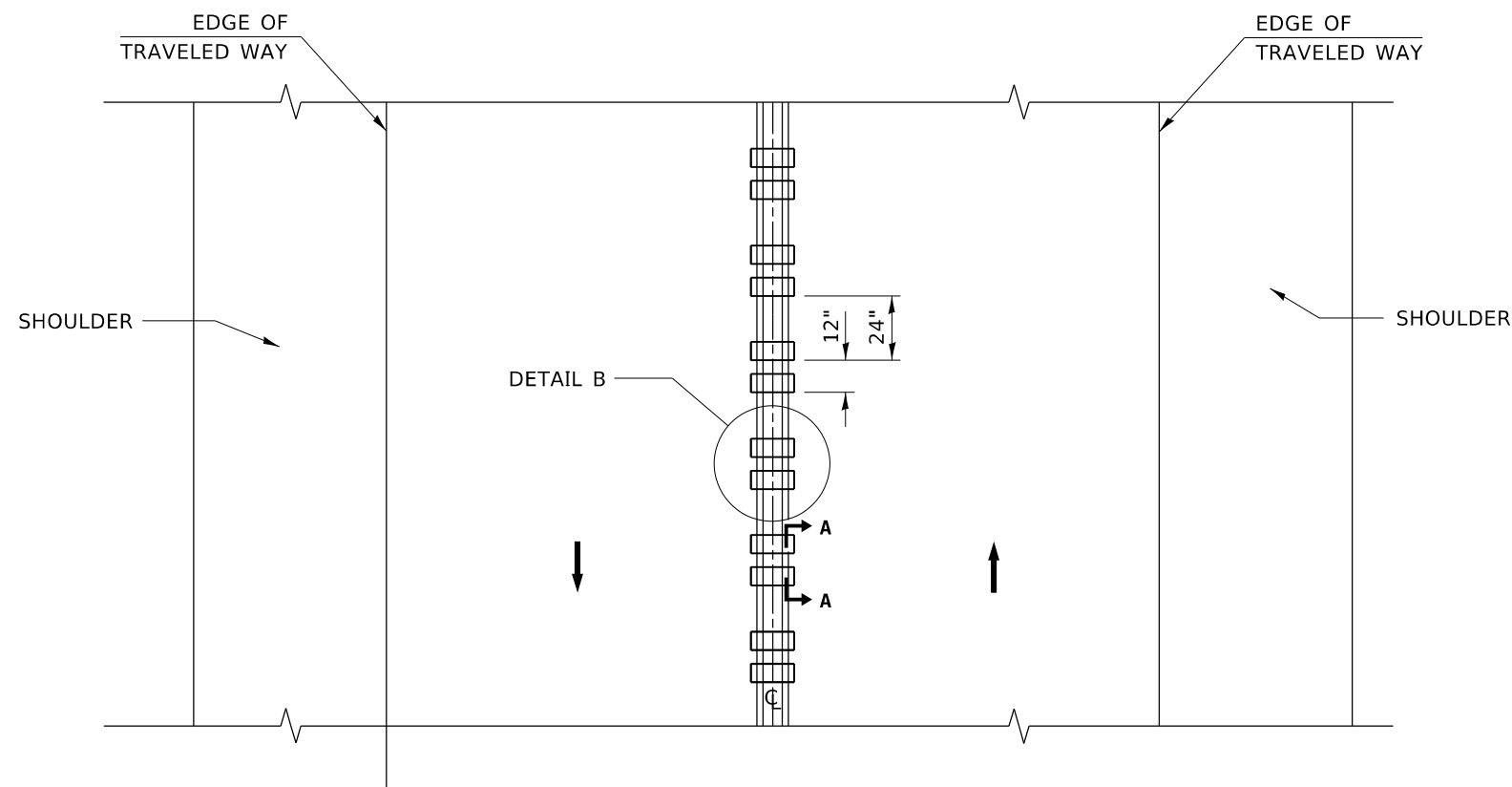
AFTER RUMBLE STRIPS ARE INSTALLED, THE PAVEMENT SURFACE SHALL BE SWEEPED CLEAN PRIOR TO THE PLACEMENT OF THE NEW PAVEMENT MARKINGS.

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

BASIS OF PAYMENT

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

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



TWO-WAY ROAD

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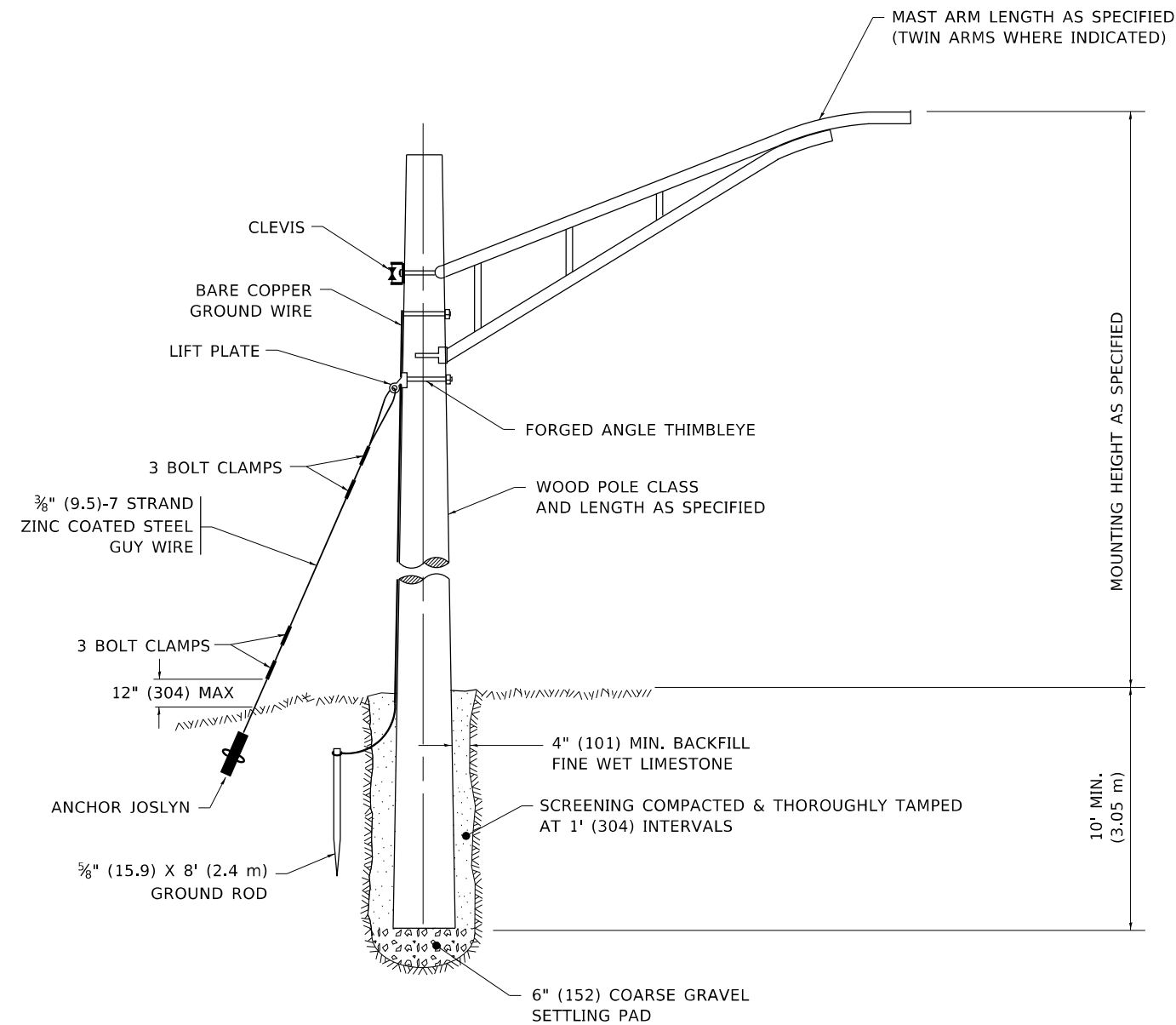
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

RUMBLE STRIPS FOR CENTERLINE, NON-FREEWAY

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

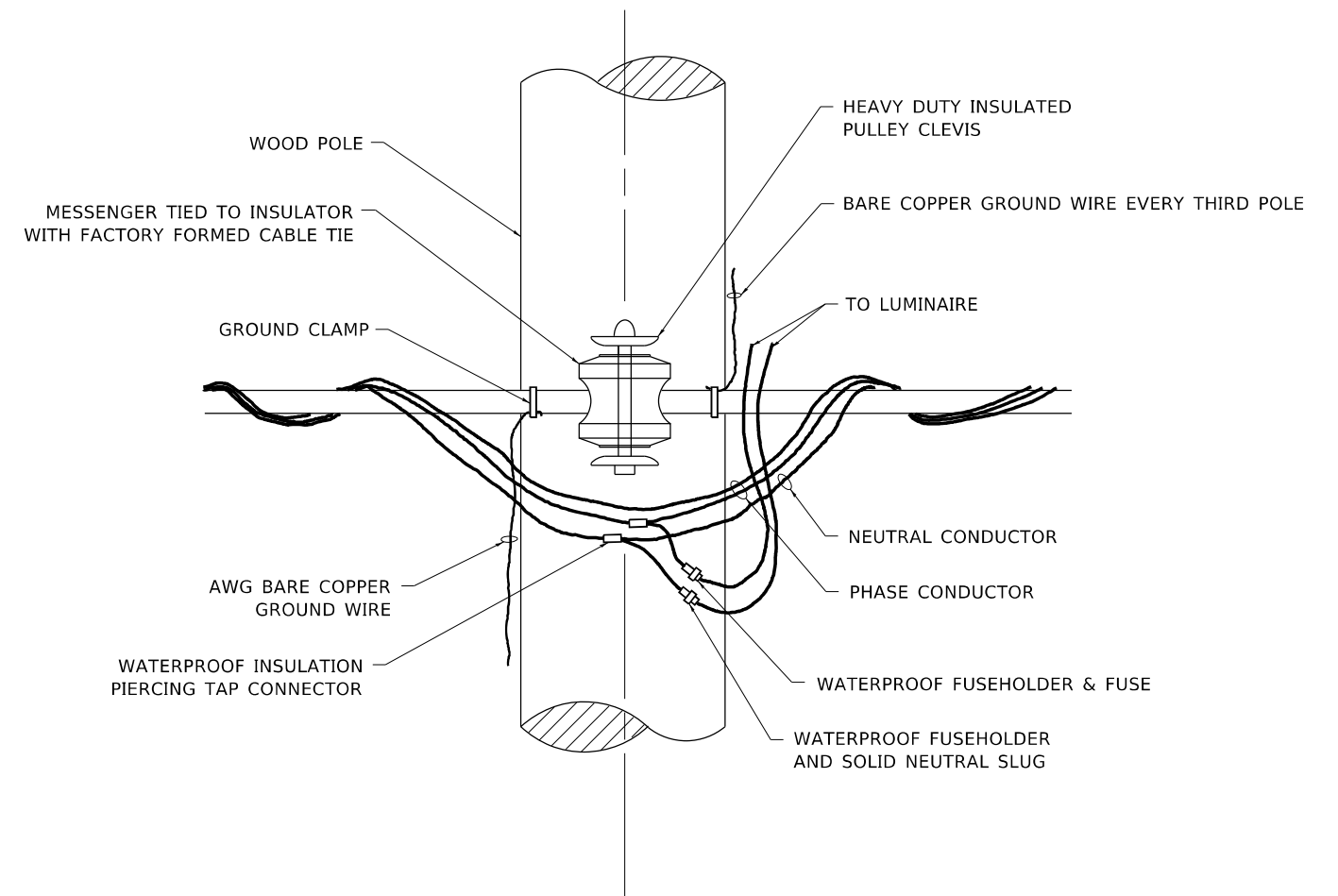
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
852	2020-258-CR	WILL	42	38
BD 55			CONTRACT NO.	
ILLINOIS FED. AID PROJECT				



TEMPORARY LIGHT POLE DETAIL

NOTE:

1. ALL DIMENSIONS IN INCHES (MILLIMETERS) UNLESS OTHERWISE INDICATED.
2. MAST ARM SHALL BE RATED FOR THE SPECIFIED MOUNTING HEIGHT.



TEMPORARY LIGHT POLE ATTACHMENT DETAIL

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY LIGHT POLE DETAILS










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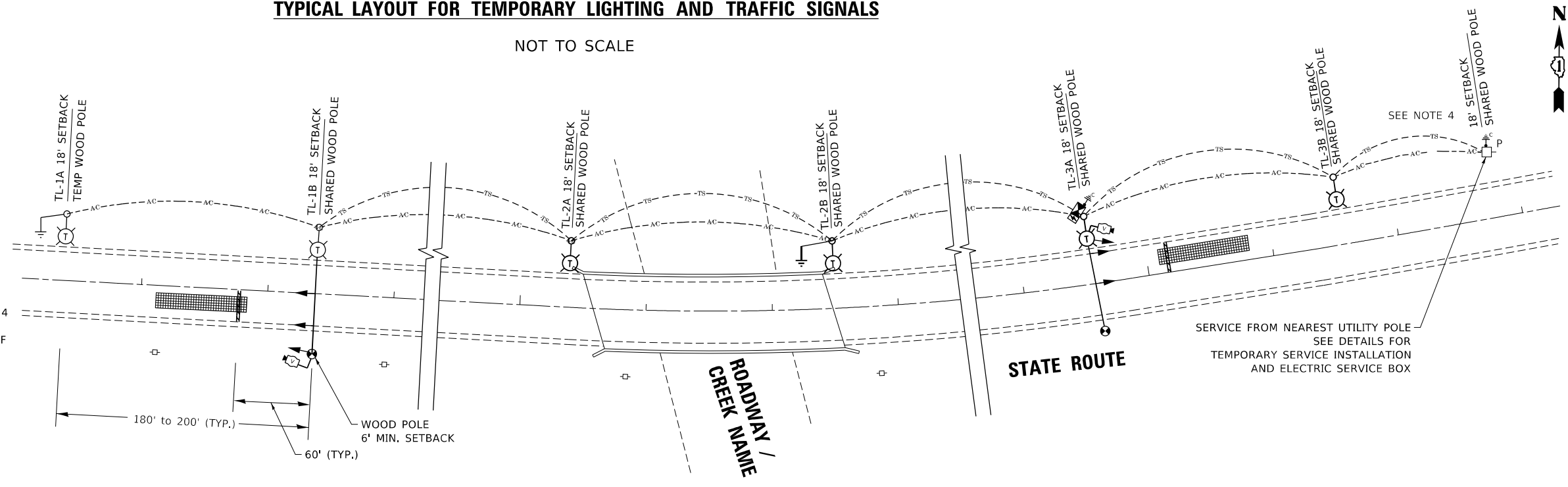
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852	2020-258-CR	WILL	42	39
BE-800			CONTRACT NO.	
ILLINOIS FED. AID PROJECT				

TYPICAL LAYOUT FOR TEMPORARY LIGHTING AND TRAFFIC SIGNALS

NOT TO SCALE

LEGEND

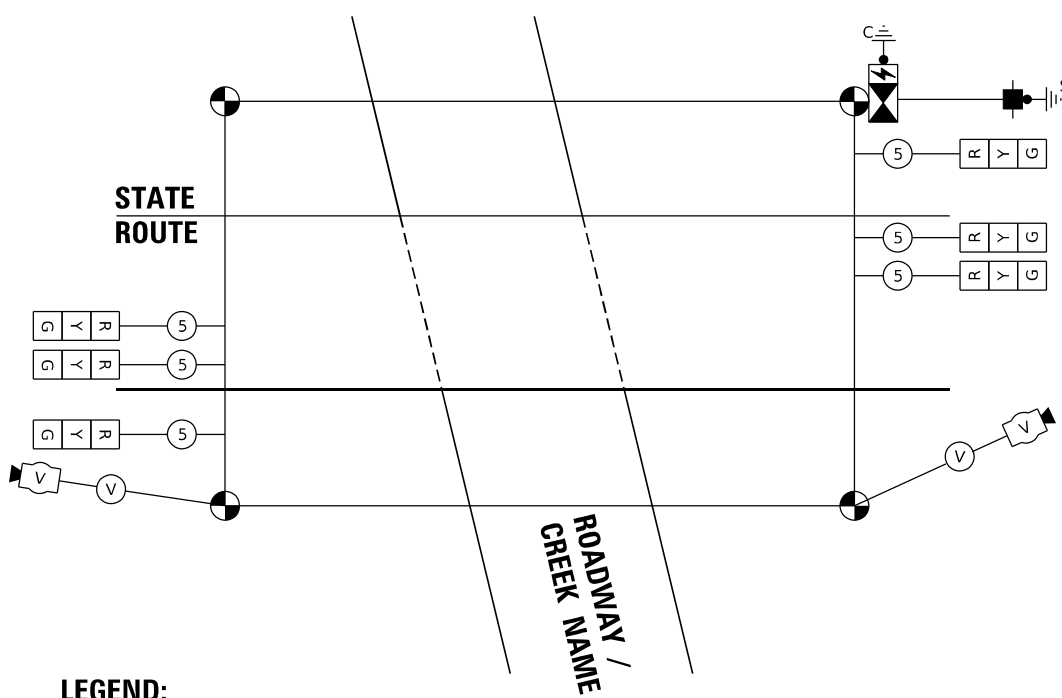
-  26,000-30,000 LUMENS, 120V, MCIII LED WITH PHOTO CELL 15' MA, 50' MH ON WOOD POLE, CLASS 4
-  3-1/C#2, AERIAL CABLE WITH MESSENGER WIRE UNLESS OTHERWISE NOTED
- TL-1A TEMPORARY LIGHTING UNIT NUMBER - ONE CIRCUIT A
-  GROUND ROD 5/8" DIA. x 10'
-  COMBINATION LIGHTING AND TRAFFIC POLE MOUNTED ELECTRICAL SERVICE BOX
-  TEMPORARY WOOD POLE - NOMINAL 60 FT., CLASS 4
-  TEMPORARY LED TRAFFIC SIGNAL HEAD, NUMBER OF SECTION AND DISPLAY AS REQUIRED.
-  TEMPORARY TRAFFIC SIGNAL SPAN WIRE, NUMBER OF CONDUCTORS AS REQUIRED.
-  TEMPORARY TRAFFIC CONTROLLER WITH UPS AND BOTTOM PLATE MOUNTED TO WOOD POLE
-  TEMPORARY VIDEO DETECTOR






GENERAL NOTES:

1. CONTACT TO THE ELECTRIC UTILITY SHALL BE INITIATED BEFORE THE PRECONSTRUCTION MEETING, AND DOCUMENTATION OF CONTACT SHALL BE PRESENTED AT THAT MEETING. NO PLACEMENT OF POLES WILL BE ALLOWED WITHOUT EVIDENCE OF A SIGNED AGREEMENT WITH THE ELECTRIC UTILITY, FURNISHED TO THE ENGINEER.
2. UNLESS OTHERWISE INDICATED, AND EXCEPT AS OTHERWISE NOTED, THIS STANDARDIZED LAYOUT SHALL APPLY FOR BRIDGES NOT EXCEEDING A 250-FOOT SPAN. FOR BRIDGE SPANS IN EXCESS OF 250 FEET, THE POLES IMMEDIATELY ADJACENT TO THE BRIDGE SHALL BE 100-FOOT POLES (90-FOOT MOUNTING HEIGHT), WITH 56,000-60,000 LUMENS TYPE III LED HIGH-MAST LUMINAIRES AS APPROVED BY THE ENGINEER.
3. THE LAYOUT OF THE TEMPORARY EQUIPMENT WILL VARY BASED ON FIELD CONDITIONS, STAGING, UTILITY IMPACTS, AND THE ELECTRIC SERVICE LOCATION AS COORDINATED WITH THE ELECTRIC UTILITY. THE CONTRACTOR SHALL SUBMIT A PLAN INDICATING THE SETTING OF POLES, TRAFFIC SIGNALS, AND COMBINED SERVICE. THIS PLAN MUST BE APPROVED BY THE ENGINEER BEFORE ANY POLES ARE PLACED
4. THE ELECTRIC SERVICE SHALL BE 240/120V, WHERE 240V SERVICE IS NOT AVAILABLE, THE CONTRACTOR MAY SUBMIT A PROPOSAL FOR 120V SERVICE, DROP CABLE, MAIN BREAKER, AND ALL OTHER SERVICE APPURTENANCES SHALL BE APPROPRIATELY RATED AND INCLUDED REGARDLESS OF THE SERVICE VOLTAGE APPLIED.
5. THE TEMPORARY LIGHTING AND TRAFFIC SIGNAL INSTALLATION SHALL SHARE ANY COMMON ELEMENTS SUCH AS WOOD POLES, ELECTRICAL SERVICE, ELECTRIC SERVICE BOX, CABLE, ETC. THE CONTRACTOR SHALL COORDINATE TEMPORARY LIGHTING AND TRAFFIC SIGNAL INSTALLATIONS.
6. THE LIGHT POLE SETBACK FROM THE EDGE OF TRAVEL PAVEMENT SHALL BE 18 FT. UNLESS THE LIGHT POLE IS BEHIND GUARDRAIL. THE LIGHT POLES INSTALLED BEHIND THE GUARDRAIL OR BARRIER WALL SHOULD HAVE AT LEAST 8 FT. SETBACK FROM THE BACK OF THE SHOULDER AND OR AS DIRECTED BY THE ENGINEER.
7. EACH LIGHTING UNIT SHALL BE CONTROLLED BY A PHOTO CELL MOUNTED ON EACH LUMINAIRE WITH THE LIGHTING CIRCUIT FED FROM THE TEMPORARY SERVICE DISCONNECT BOX. OTHER MEANS OF LUMINAIRE CONTROL CAN BE CONSIDERED IF APPROVED BY THE ENGINEER.
8. THE CONTRACTOR SHALL SPLICE AERIAL CABLE AT THE LIGHT POLE USING HEAT SHRINKABLE CAPS WITH THE FACTORY APPLIED WATERPROOF SEALANT OR AN APPROVED UL LISTED AERIAL TAP DEVICE.
9. ALL AREAS DISTURBED UNDER THIS CONTRACT SHALL BE RESTORED TO THE ORIGINAL CONDITION OR BETTER, TO THE SATISFACTION OF THE ENGINEER.
10. THIS LAYOUT IS ONLY FOR SINGLE LANE STAGING WITHOUT PRIVATE DRIVEWAYS WITHIN SINGLE LANE WORK ZONE.

CABLE PLAN AND PHASE DESIGNATION DIAGRAM (TYPICAL)



LEGEND:

-  TEMPORARY VIDEO / RADAR DETECTOR
-  TEMPORARY SIGNAL HEAD 12" SECTION.
-  CABLE INDICATES NUMBER OF CONDUCTORS IN CABLE ALL CONDUCTORS TO BE NUMBER 14 AWG UNLESS OTHERWISE NOTED.

LEGEND:

-  NUMBER ASSOCIATED WITH PROTECTED PHASE

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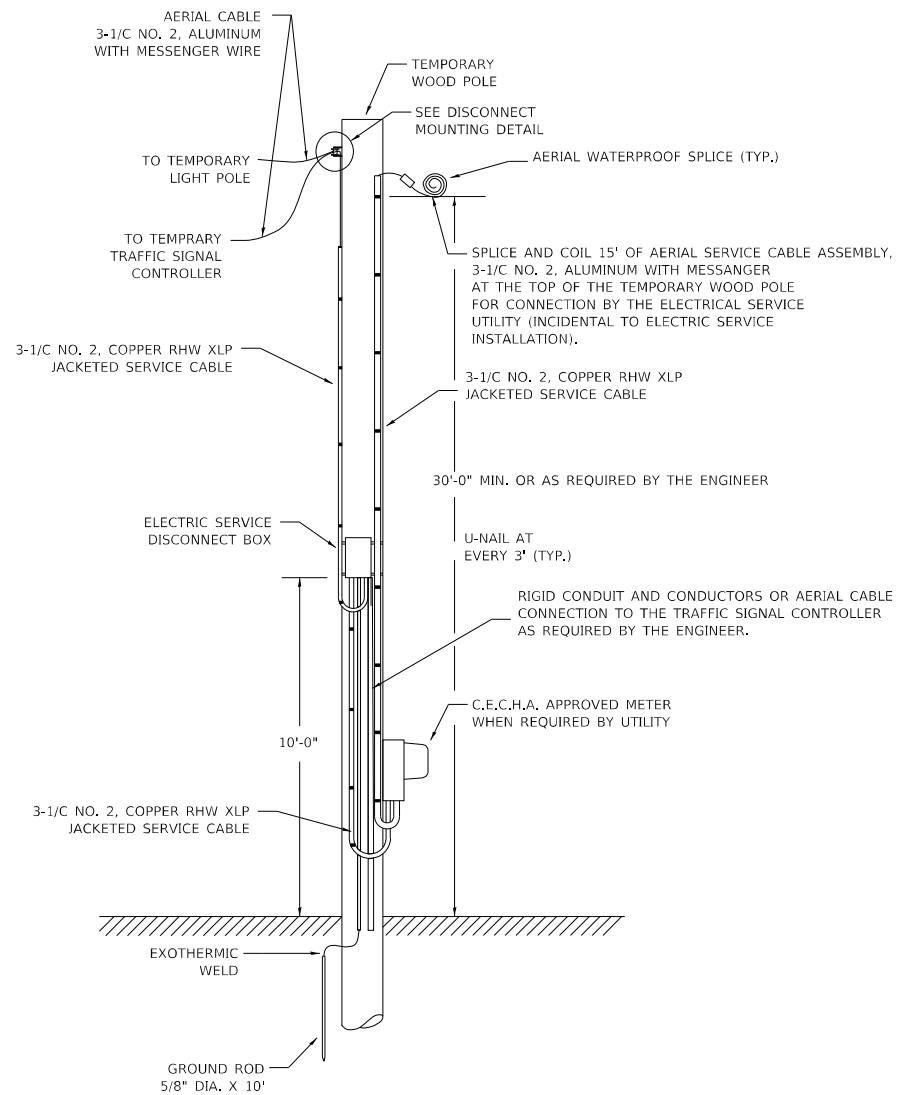
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY LIGHTING AND TRAFFIC SIGNALS
FOR SINGLE LANE STAGING**

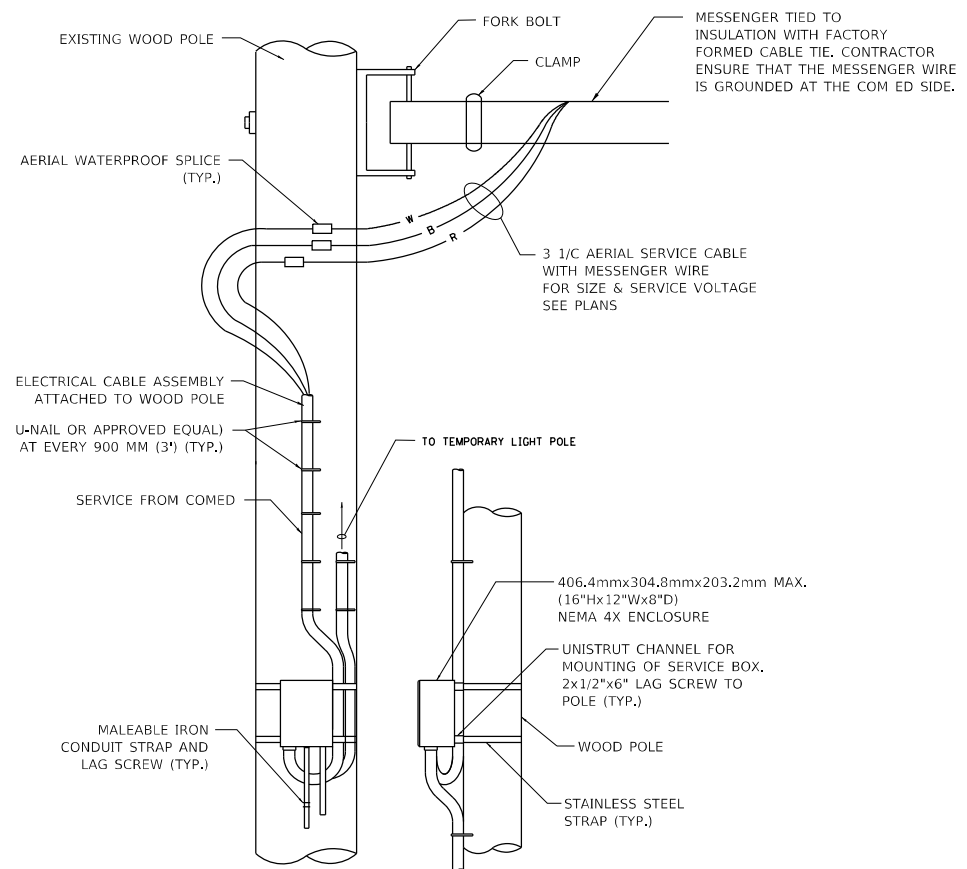
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BE-805		CONTRACT NO.		
ILLINOIS FED. AID PROJECT				



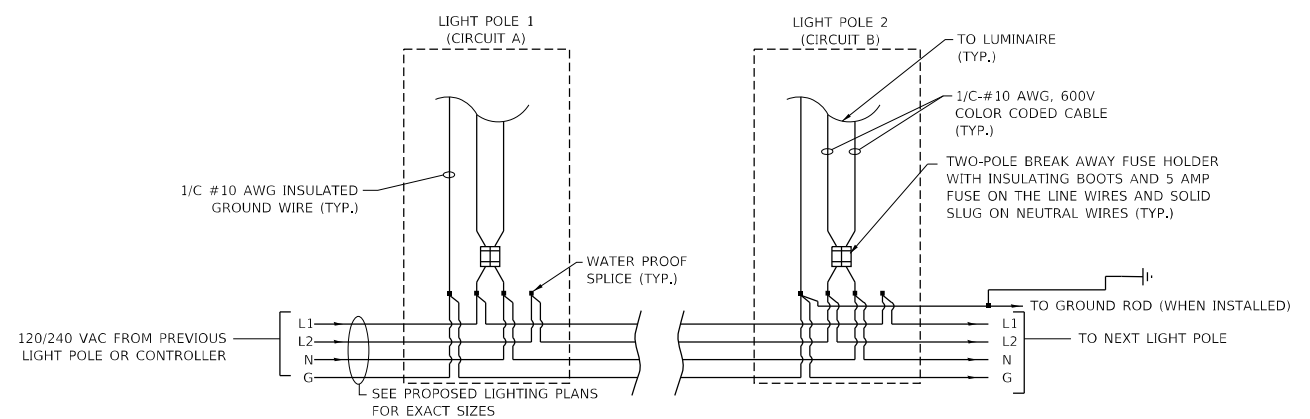
TEMPORARY SERVICE INSTALLATION DETAIL

NOT TO SCALE



DISCONNECT MOUNTING DETAIL

NOT TO SCALE



LIGHT POLE WIRING DETAIL

NOT TO SCALE

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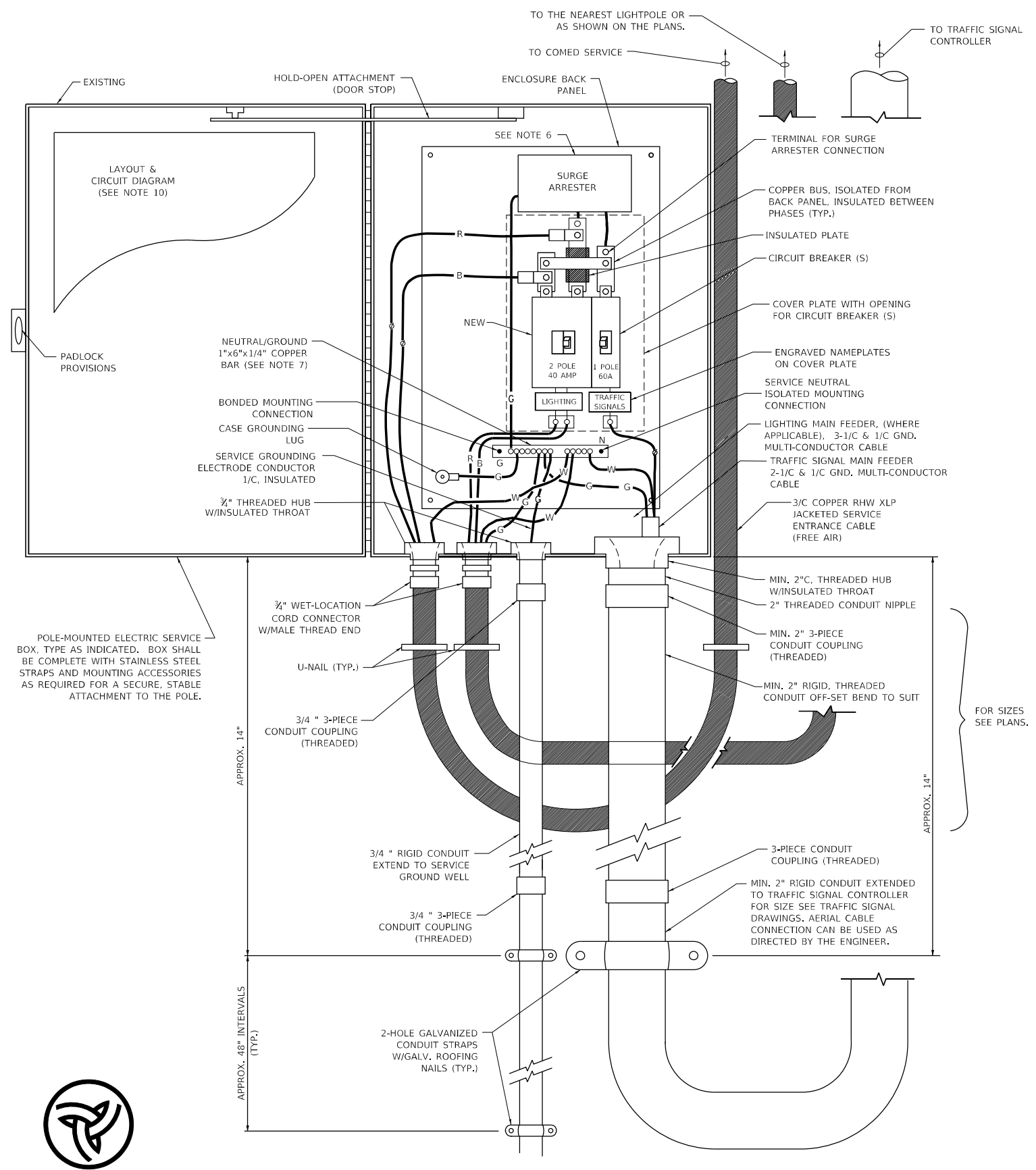
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY LIGHTING AND TRAFFIC SIGNALS
FOR SINGLE LANE STAGING**

SCALE: NONE SHEET 2 OF 3 SHEETS STA. TO STA.

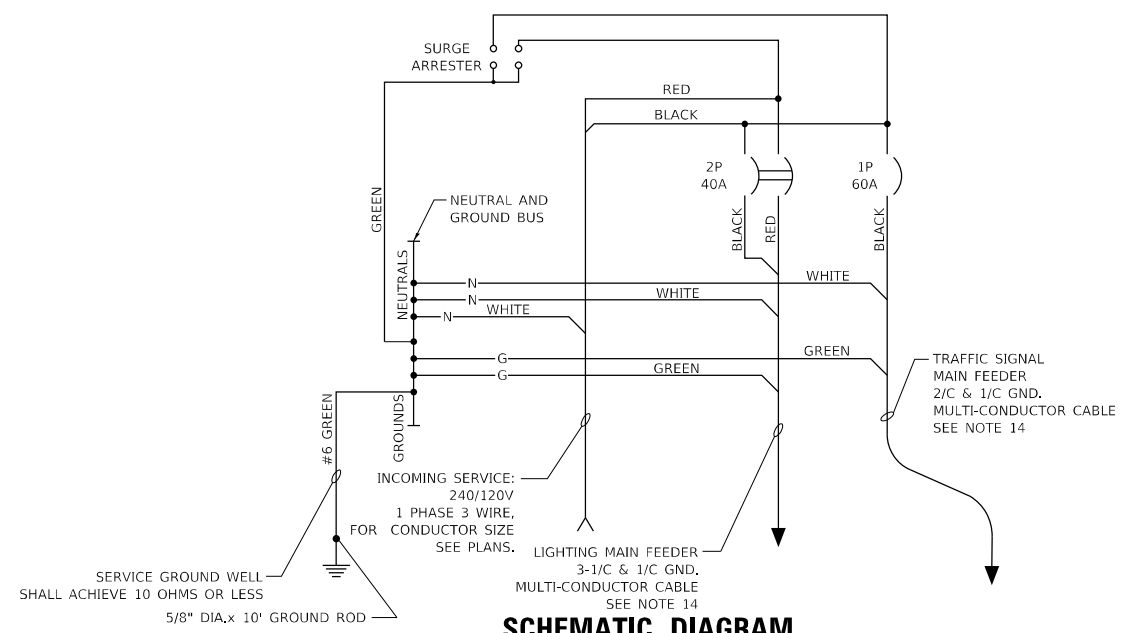
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
852	2020-258-CR	WILL	42	41
BE-805		CONTRACT NO.		
ILLINOIS FED. AID PROJECT				



**POLE-MOUNTED ELECTRIC SERVICE ENTRANCE
GENERAL LAYOUT DIAGRAM**
NOT TO SCALE

NOTES:

- ELECTRIC SERVICE SHALL BE OF THE VOLTAGE INDICATED OR DESIGNATED BY THE ENGINEER, AND SERVICE DROP CABLE SHALL BE COMPATIBLE WITH THE SERVICE ACCORDINGLY. SOME INSTALLATIONS MAY CALL FOR SERVICE ENTRANCE EQUIPMENT SUITABLE FOR 3-WIRE SERVICE EVEN THOUGH INITIALLY WIRED FOR 2-WIRE SERVICE.
- THE POLE-MOUNTED ELECTRIC SERVICE BOX SHALL BE CONFIGURED AND FULLY EQUIPPED FOR 240/120V 3W SERVICE, COMPLETE WITH LIGHTING MAIN BREAKER AND TRAFFIC SIGNALS MAIN BREAKER AS REQUIRED.
- THE ELECTRIC SERVICE EQUIPMENT ASSEMBLY SHALL BE UL LISTED AS SUITABLE FOR USE AS SERVICE ENTRANCE EQUIPMENT.
- THE ELECTRIC SERVICE EQUIPMENT ENCLOSURE SHALL BE NEMA 4X STAINLESS STEEL, NOMINALLY 12"W X 16"H X 8"D, WITH A PIANO-HINGED DOOR, STEEL BACK PANEL, FAST-ACTING STAINLESS STEEL ENCLOSURE CLAMPS, PADLOCK PROVISIONS AND DOOR STOP, HOFFMAN CATALOG NO. A-16H1208556LP/A-16 P12/A-DSTOPK/C-PMK12, OR APPROVED EQUAL.
- CIRCUIT BREAKERS SHALL BE THERMAL MAGNETIC BOLT-ON TYPE WITH A MINIMUM INTERRUPTING CAPACITY OF 25,000 SYMMETRICAL AMPERES AT 240 VOLTS. THEY SHALL BE LOCKABLE IN THE "OFF" POSITION FOR COMPLIANCE WITH OSHA LOCK-OUT/TAG-OUT REQUIREMENTS. HANDLES SHALL BE TRIP FREE.
- THE SURGE PROTECTOR SHALL BE SUITABLE FOR THE SERVICE VOLTAGE SINGLE PHASE 60HZ AC, WITH A SURGE ENERGY CAPABILITY OF 2160 JOULES OR BETTER AT 8/20 MICRO-SECONDS, RATED -40 TO 60 DEGREES C., WITH LED OPERATING INDICATORS, AND SHALL BE UL LISTED PER UL 1449, CUTLER-HAMMER CMOV230L065XST OR APPROVED EQUAL.
- BUS BARS, CONNECTORS, AND LUGS SHALL BE COPPER, INSULATED AND ISOLATED, AND CONFIGURED TO PREVENT SHORTED CONDITIONS FROM TIGHTENING TERMINATIONS, ETC. THE OVERALL BUS SECTION SHALL BE CONFIGURED BEHIND AN INSULATING BARRIER SHIELD WHICH IS REMOVABLE FOR ACCESS TO CONNECTIONS, OR THE ASSEMBLY SHALL BE A MANUFACTURED SPECIALTY PANELBOARD, CUTLER-HAMMER PRL2A OR APPROVED EQUAL.
- THE COMBINATION GROUND AND NEUTRAL BAR SHALL BE CONFIGURED WITH SEPARATE GROUND AND NEUTRAL SECTIONS AND SPARE TERMINALS AS INDICATED. THE HEADS OF GROUND SCREWS SHALL BE PAINTED GREEN. THE HEADS OF NEUTRAL SCREWS SHALL BE PAINTED WHITE. THE SERVICE NEUTRAL AND SERVICE GROUNDING ELECTRODE CONDUCTOR SHALL BE TERMINATED ADJACENT TO EACH OTHER AT THE DIVIDE BETWEEN THE SECTIONS AND WIRING SHALL BE TERMINATED ONLY UPON THE APPROPRIATE SECTION.
- THE WIRING TERMINALS, INCLUDING THE GROUND/NEUTRAL BAR SHALL BE ARRANGED TO PROVIDE ADEQUATE ROOM FOR PERFORMING FIELD TERMINATIONS.
- A PLASTIC LAMINATED LAYOUT AND CIRCUIT DIAGRAM SHALL BE MECHANICALLY SECURED TO THE INTERIOR SIDE OF THE ENCLOSURE DOOR.
- A 2-COLOR ENGRAVED PLASTIC NAMEPLATE, ATTACHED WITH SCREWS, AND ENGRAVED AS INDICATED, SHALL BE PROVIDED FOR EACH MAIN BREAKER.
- LUGS AND CONNECTORS SHALL BE RATED FOR 75 C CONDUCTOR.
- THE EXACT MOUNTING HEIGHT OF THE BOX SHALL BE FIELD DETERMINED TO AVOID OBSTRUCTIONS AND PUBLIC ACCESS. TYPICAL HEIGHT SHALL BE APPROXIMATELY 10 FEET ABOVE GRADE.



SCHEMATIC DIAGRAM

MODEL: Default
FILE NAME: p:\planning\m\dot\illinois\pwr\pwr\DOT\Documents\DOT_Offices\District_1\Projects\Dist5\022x24\CD\Drawn\CD\Sheet\805.dgn

6" DECAL ON FRONT COVER

USER NAME = footemj	DESIGNED - MP	REVISED -
PLOT SCALE = 50.0000 ' / in.	DRAWN -	REVISED -
PLOT DATE = 4/19/2019	CHECKED -	REVISED -
	DATE - 01/14/10	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TEMPORARY LIGHTING AND TRAFFIC SIGNALS FOR SINGLE LANE STAGING			
SCALE: NONE	SHEET 3	OF 3 SHEETS	STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
852	2020-258-CR	WILL	42	42
BE-805			CONTRACT NO.	
ILLINOIS FED. AID PROJECT				