




STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
IL 47	FAP 0326 22 BJ	McHENRY	75	1
		ILLINOIS	CONTRACT NO. 62T01	

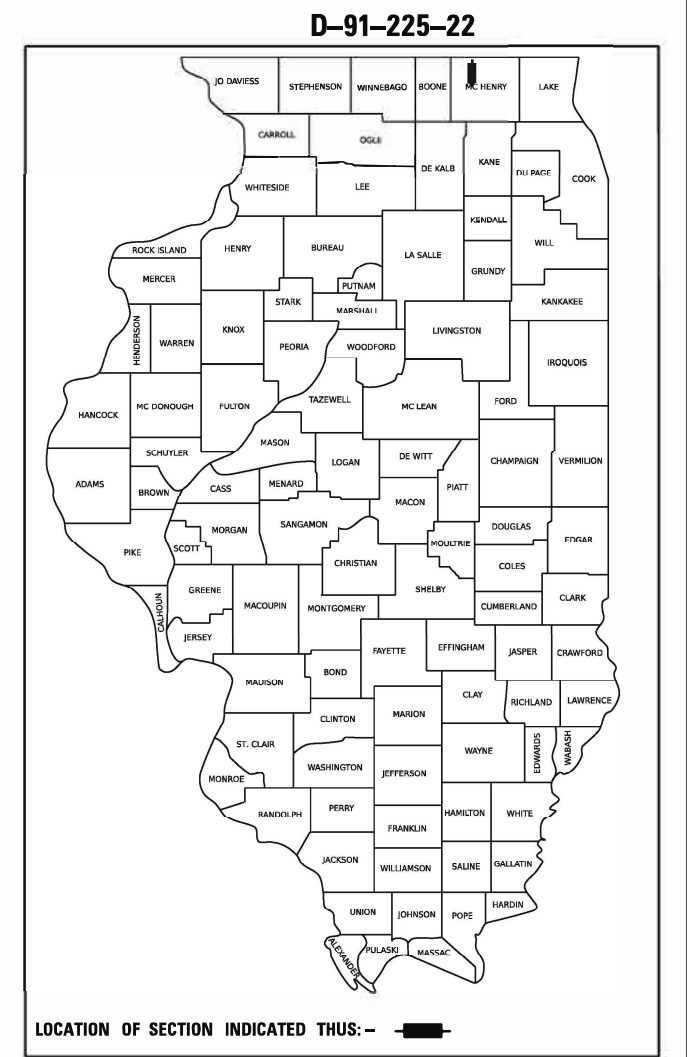
THIS IMPROVEMENT IS LOCATED IN CITY OF WOODSTOCK

	WSP USA, INC. Date: <u>MAY 05, 2023</u> Expires: <u>November 30, 2023</u> Sheet No.: <u>I-30, 49-58 AND 70-75</u>
	WSP USA, INC. Date: <u>MAY 05, 2023</u> Expires: <u>November 30, 2024</u> Sheet No.: <u>59-69</u>
	WSP USA, INC. Date: <u>MAY 05, 2023</u> Expires: <u>November 30, 2023</u> Sheet No.: <u>31-48</u>

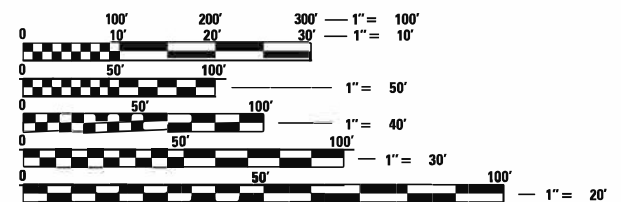
PROPOSED HIGHWAY PLANS

F.A.P. ROUTE 326 IL 47
AT NIPPERSINK CREEK
SECTION FAP 0326 22 BJ
PROJECT: NHPP-44PP(722)
BRIDGE JOINT REPLACE/REPAIR, BRIDGE DECK OVERLAY
MCHENRY COUNTY

C-91-278-22



FUNCTIONAL CLASSIFICATION
OTHER PRINCIPAL ARTERIAL
2019 ADT = 5400
POSTED SPEED = 55
DESIGN SPEED = 60

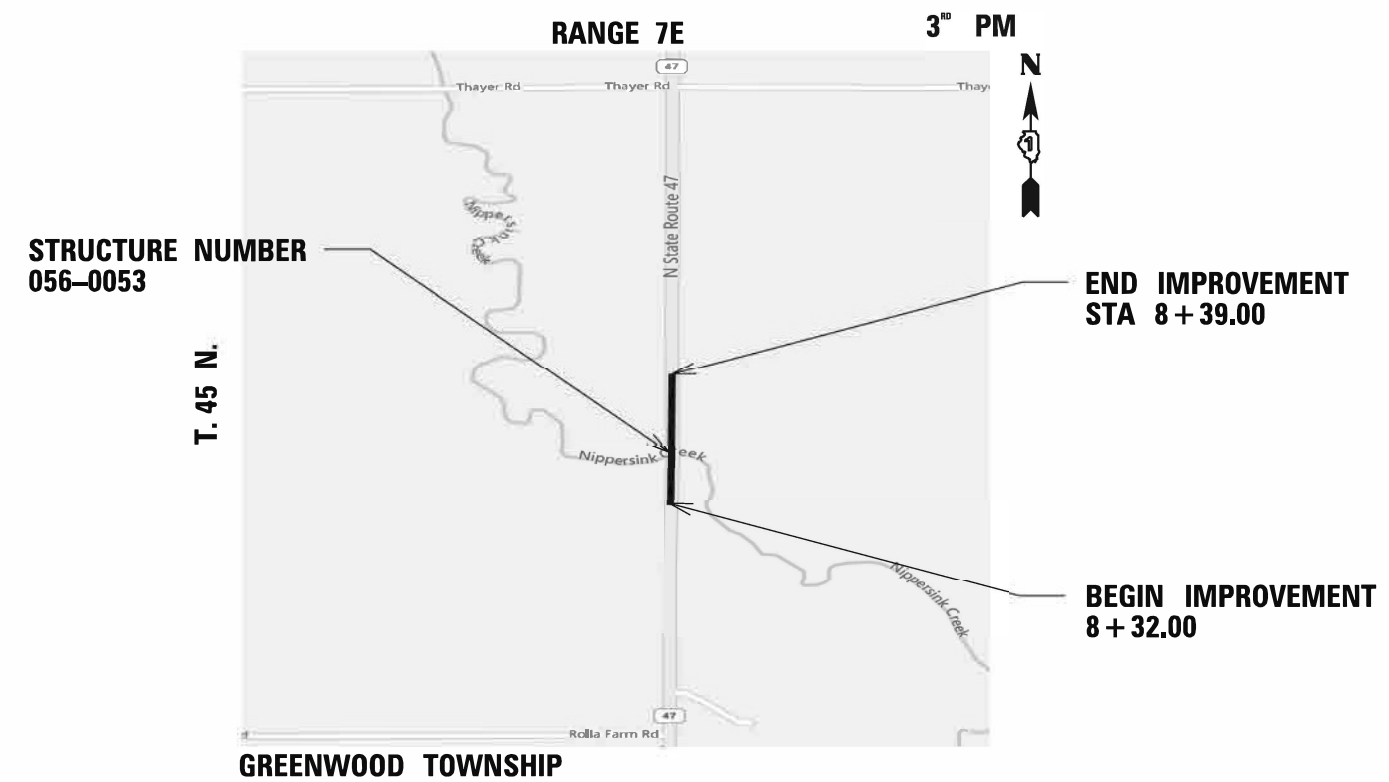


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

PROJECT ENGINEER: DANIEL WILGREEN, PE (847) 705-4240
PROJECT MANAGER: FAWAD AQUEEL, PE

CONTRACT NO. 62T01



LOCATION MAP NOT TO SCALE

GROSS LENGTH = 457.00 FT. = 0.087 MILE
NET LENGTH = 457.00 FT. = 0.087 MILE

WSP
WSP USA Inc.
30 N. LASALLE STREET
SUITE 4200
CHICAGO, IL 60602
TEL: (312) 782-8150
FAX: (312) 782-1684

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED MAY 8 2023
Joseph Piro REGIONAL ENGINEER
June 30, 2023
Joseph Piro ENGINEER OF DESIGN AND ENVIRONMENT
June 30, 2023
Stephen M. ... DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

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HIGHWAY STANDARDS

000001-08	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
001006	DECIMAL OF AN INCH AND OF A FOOT
631033-09	TRAFFIC BARRIER TERMINAL, TYPE 6B
701001-02	OFF-ROAD OPERATIONS, 2L, 2W, MORE THAN 15' (4.5M) AWAY
701006-05	OFF-ROAD OPERATIONS, 2L, 2W, 15' (4.5M) TO 24' (600MM) FROM PAVEMENT EDGE
701011-04	OFF-ROAD MOVING OPERATIONS, 2L, 2W, DAYS ONLY
701201-05	LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEED >= 45MPH
701206-05	LANE CLOSURE, 2L, 2W, NIGHT ONLY, FOR SPEED >= 45MPH
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701311-03	LANE CLOSURE, 2L, 2W MOVING OPERATIONS - DAY ONLY
701901-08	TRAFFIC CONTROL DEVICES
704001-08	TEMPORARY CONCRETE BARRIER
782006-01	GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS
BD-01	DRIVEWAY DETAILS - DISTANCE BETWEEN R.O.W AND FACE OF CURB & EDGE OF SHOULDER >=15' (4.5m)
BD-32	BUTT JOINT AND HMA TAPER DETAILS
BE-800	TEMPORARY LIGHT POLE
BE-801	TEMPORARY AERIAL CABLE INSTALLATION
BE-805	TEMPORARY LIGHTENING AND TRAFFIC SIGNALS FOR SINGLE LANE STAGING
TC-10	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS
TC-11	RAISED REFLECTIVE PAVEMENT MARKERS (SNOW PLOW RESISTANT)
TC-13	DISTRICT ONE TYPICAL PAVEMENT MARKINGS
TC-22	ARTERIAL ROAD INFORMATION SIGN
TC-26	DRIVEWAY ENTRANCE SIGNING
TS-05	STANDARD TRAFFIC SIGNAL DESIGN DETAILS

GENERAL NOTES

- ANY PAVEMENT MARKINGS AND RAISED REFLECTIVE PAVEMENT MARKERS OBLITERATED BY MILLING AND RESURFACING OPERATIONS ON SIDE STREETS AND ENTRANCES SHALL BE REPLACED AND PAID FOR IN KIND.
- ALL DAMAGE TO EXISTING PAVEMENT MARKINGS OR RAISED REFLECTIVE PAVEMENT MARKERS OUTSIDE THE REMOVAL LINE SHOWN ON THE PLANS SHALL BE REPLACED AT NO ADDITIONAL COST TO THE DEPARTMENT.
- BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL RETAIN AND RECORD FOR FUTURE REFERENCE, ALL EXISTING PAVEMENT MARKING LINES (AND RAISED REFLECTIVE PAVEMENT MARKERS) IN ORDER THAT THESE LOCATIONS CAN BE RE-ESTABLISHED FOR STRIPING. EXACT LOCATIONS OF ALL PAVEMENT MARKINGS SHALL BE AS DIRECTED BY THE ENGINEER.
- THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE ARTERIAL TRAFFIC CONTROL SUPERVISOR AT KALPANA.KANNAN-HOSADURGA@ILLINOIS.GOV, AND MCHENRY COUNTY, PUBLIC WORKS (815) 363-2186.
- AT LEAST TWO WEEKS PRIOR TO PLACEMENT OF PERMANENT PAVEMENT MARKINGS THE RESIDENT ENGINEER SHALL CONTACT WALTER CZARNY, ARTERIAL TRAFFIC ENGINEER, VIA EMAIL AT WALTER.CZARNY@ILLINOIS.GOV
- THE THICKNESS OF THE HMA MIXTURE SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE HMA MIXTURE IS PLACED.
- 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.
- DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.
- WHEN THE MILLED PAVEMENT IS OPEN TO TRAFFIC THE MAXIMUM GRADE DIFFERENTIAL BETWEEN PASSES OF THE MILLING MACHINE SHALL NOT EXCEED 1 1/2 INCHES (40 mm) WHERE THE SPEED LIMIT IS 40 MPH (80 km/h) OR LESS AND 1 INCH (25 mm) WHERE THE SPEED LIMIT IS GREATER THAN 40 MPH (80 km/h). WITH WRITTEN APPROVAL OF THE ENGINEER, A MAXIMUM GRADE DIFFERENTIAL OF 3 INCHES (75 mm) MAY BE ALLOWED IF THE EDGE OF THE MILLING IS SLOPED A MINIMUM 1:3 (V:H) OR A NOTCHED LONGITUDINAL WEDGE IS USED.
- BUTT JOINTS WILL BE INSTALLED AT THE ENDS OF ALL RESURFACING (WHERE RESURFACING MEETS EXISTING PAVEMENT) ACCORDING TO THE "BUTT JOINT AND HOT-MIX ASPHALT TAPER DETAILS" SHEET INCLUDED IN THE PLANS, UNLESS OTHERWISE SPECIFIED.
- OVERNIGHT LANE CLOSURES SHALL NOT BE ALLOWED FOR REHABILITATION PROJECTS INVOLVING DAYTIME MILLING AND RESURFACING OPERATIONS AND CLASS D PATCHING UNLESS OTHER CONDITIONS WARRANT EXTENDED LANE CLOSURES AS DETERMINED AND APPROVED IN WRITING BY THE ENGINEER OR AS PROVIDED FOR IN THE CONTRACT SPECIFICATIONS.
- FOR WORK OUTSIDE THE LIMITS OF BRIDGE APPROACH PAVEMENT, ALL REFERENCES IN THE HIGHWAY STANDARDS AND STANDARD SPECIFICATIONS FOR REINFORCEMENT, DOWEL BARS AND TIE BARS IN PAVEMENT, SHOULDERS, CURB, GUTTER, COMBINATION CURB AND GUTTER AND MEDIAN, AND CHAIR SUPPORTS FOR CRC PAVEMENT, SHALL BE EPOXY COATED, UNLESS NOTED ON THE PLAN.
- THE CONTRACTOR WILL NOT BE REIMBURSED FOR ANY CHARGES, FEES, OR COSTS TO SECURE NECESSARY PERMITS. ANY COSTS INCURRED SHALL BE INCLUDED IN THE COST OF OTHER ITEMS OF THE CONTRACT.

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WSP USA Inc.
30 N. LASALLE STREET
SUITE 4200
CHICAGO, IL 60602
TEL: (312) 782-8150
FAX: (312) 782-1884

USER NAME = USHA669697
PLOT SCALE = 40.000 ' / in.
PLOT DATE = 5/12/2023

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

INDEX OF SHEETS, STANDARDS AND COMMITMENTS				
SCALE:	SHEET	OF	SHEETS	STA.
				TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0326	FAP 032622 BJ	MCHENRY	75	2
			CONTRACT NO. 62T01	
		ILLINOIS	FED. AID PROJECT	

SPECIALTY ITEM	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE
					STRUCTURE 056-0053
					FEDERAL =80%
					STATE=20%
					0059
URBAN					
	20200100	EARTH EXCAVATION	CU YD	81	81
	28000400	PERIMETER EROSION BARRIER	FOOT	714	714
	31101200	SUBBASE GRANULAR MATERIAL, TYPE B 4"	SQ YD	244	244
	35501308	HOT-MIX ASPHALT BASE COURSE, 6"	SQ YD	20	20
	40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	109	109
	40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	348	348
	40603085	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	TON	86	86
	40604060	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50	TON	3	3
	40604062	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70	TON	102	102
	44000100	PAVEMENT REMOVAL	SQ YD	38	38
	44000156	HOT-MIX ASPHALT SURFACE REMOVAL, 1 3/4"	SQ YD	64	64
	44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	19	19
	50102400	CONCRETE REMOVAL	CU YD	4.6	4.6
	50300255	CONCRETE SUPERSTRUCTURE	CU YD	5.6	5.6

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0326	FAP 032622 BJ	McHENRY	75	3
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62T01	

SPECIALTY ITEM	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE
					STRUCTURE =056-0053
					FEDERAL =80%
					STATE=20%
					0059
					URBAN
	50300300	PROTECTIVE COAT	SQ YD	495	495
	50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	770	770
	50800515	BAR SPLICERS	EACH	8	8
	52000110	PREFORMED JOINT SEAL STRIP SEAL	FOOT	84	84
	63100089	TRAFFIC BARRIER TERMINAL, TYPE 6B	EACH	1	1
	63200310	GUARDRAIL REMOVAL	FOOT	38	38
Y	66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	81	81
Y	66900530	SOIL DISPOSAL ANALYSIS	EACH	2	2
Y	66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	L SUM	1	1
Y	66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	L SUM	1	1
Y	66901006	REGULATED SUBSTANCES MONITORING	CAL DA	5	5
	67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	12	12
	67100100	MOBILIZATION	L SUM	1	1
	70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	15	15

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**STATE OF ILLINOIS
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SUMMARY OF QUANTITIES

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0326	FAP 032622 BJ	McHENRY	75	4
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62T01	

SPECIALTY ITEM	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE
					STRUCTURE 056-0053
					FEDERAL =80% STATE=20%
					0059 URBAN
	70107025	CHANGEABLE MESSAGE SIGN	CAL DA	84	84
	70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	2468	2468
	70307120	TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE	FOOT	5846	5846
	70307210	TEMPORARY PAVEMENT MARKING - LINE 24"- TYPE IV TAPE	FOOT	48	48
	70400100	TEMPORARY CONCRETE BARRIER	FOOT	375	375
	70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	325	325
	70600260	IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	2	2
	70600332	IMPACT ATTENUATORS, RELOCATE (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	2	2
Y	78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	1336	1336
Y	78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	104	104
Y	78009004	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	FOOT	214	214
Y	78009012	MODIFIED URETHANE PAVEMENT MARKING - LINE 12"	FOOT	46	46
Y	78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	9	9
Y	78100300	REPLACEMENT REFLECTOR	EACH	5	5

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SPECIALTY ITEM	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE
					STRUCTURE 056-0053
					FEDERAL =80%
					STATE=20%
	0059				
		URBAN			
Y	78200011	BARRIER WALL REFLECTORS, TYPE C	EACH	6	6
	78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	10	10
	78300202	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	551	551
Y	89000100	TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1	1
	Z0001800	APPROACH SLAB REPAIR (PARTIAL DEPTH)	SQ YD	27	27
	Z0006016	BRIDGE DECK LATEX CONCRETE OVERLAY, 2 3/4 INCHES	SQ YD	390	390
	Z0012130	BRIDGE DECK SCARIFICATION 3/4"	SQ YD	390	390
	Z0012755	STRUCTURAL REPAIR OF CONCRETE (DEPTH GREATER THAN 5 INCHES)	SQ FT	13	13
	Z0016001	DECK SLAB REPAIR (FULL DEPTH, TYPE I)	SQ YD	1	1
	Z0029090	DIAMOND GRINDING (BRIDGE SECTION)	SQ YD	406	406
	Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	72	72
	Z0043800	PRECAST PRESTRESSED CONCRETE I-BEAM REPAIR	SQ FT	27	27
Y	Z0073510	TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1	1
	X0325748	ACRYLIC COATING	SQ YD	11	11

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SUMMARY OF QUANTITIES			
SCALE:	SHEET	OF	SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0326	FAP 032622 BJ	McHENRY	75	6
				CONTRACT NO. 62T01
		ILLINOIS	FED. AID PROJECT	

SPECIALTY ITEM	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE
					STRUCTURE 056-0053 FEDERAL =80% STATE=20% 0059 URBAN
	X0325749	FIBER WRAP	SQ FT	99	99
	X0326276	TEMPORARY LIGHTING FOR SINGLE LANE STAGING	L SUM	1	1
	X5060700	CLEANING AND PAINTING BEARINGS	EACH	14	14
	X4021000	TEMPORARY ACCESS (PRIVATE ENTRANCE)	EACH	1	1
	X5030250	BRIDGE DECK GROOVING (LONGITUDINAL)	SQ YD	234	234
∅	Z0076600	TRAINEES	HOURS	500	500
	X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1
∅	Z0076604	TRAINEES -TRAINING PROGRAM GRADUATE	HOURS	500	500

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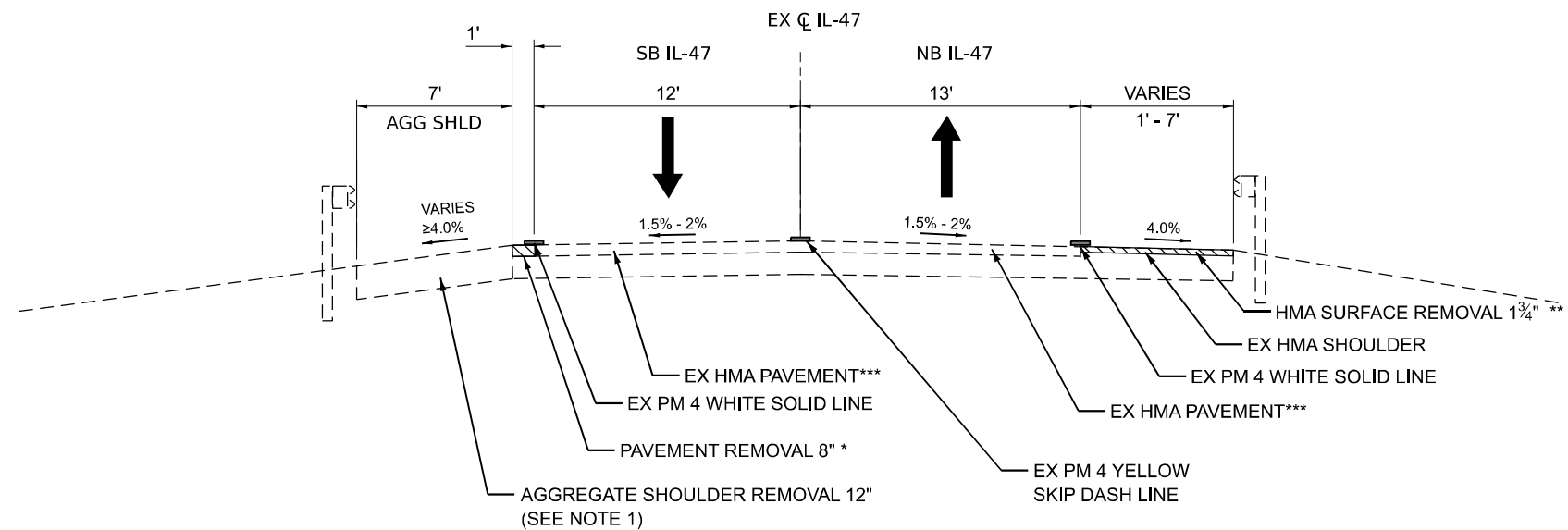
SUMMARY OF QUANTITIES

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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ILLINOIS FED. AID PROJECT			CONTRACT NO. 62T01	

∅ 0042

REV-SEP



EXISTING IL-47 ROAD TYPICAL SECTION

STA 3+81.77 TO 6+10.94
 STA 6+99.72 TO 8+38.54

* 1' WIDE: STA 4+22.00 TO 5+97.28 & STA 7+13.39 TO 8+70.00

** 8' WIDE: STA 5+59.41 TO 5+97.09

** 7' WIDE: STA 7+13.34 TO 7+50.91

*** EX CONCRETE PAVEMENT STA 5+59.56 TO 6+10.94 & STA 6+99.72 TO 7+51.01

NOTES:

- 1) AGGREGATE SHOULDER REMOVAL 12" SHALL BE PAID FOR AS EARTH EXCAVATION.
- 2) EXISTING AGGREGATE SHOULDER SLOPE VARIES AND IS STEEPER THAN 4% IN MOST LOCATIONS DUE TO EROSION OF THE SHOULDER. DEPTH OF EXCAVATION SHALL BE DETERMINED IN THE FIELD BASED ON EXISTING CONDITIONS. CONTRACTORS SHALL EXCAVATE THE MINIMUM AMOUNT OF MATERIAL REQUIRED TO INSTALL THE PROPOSED PAVED SHOULDER SECTION.

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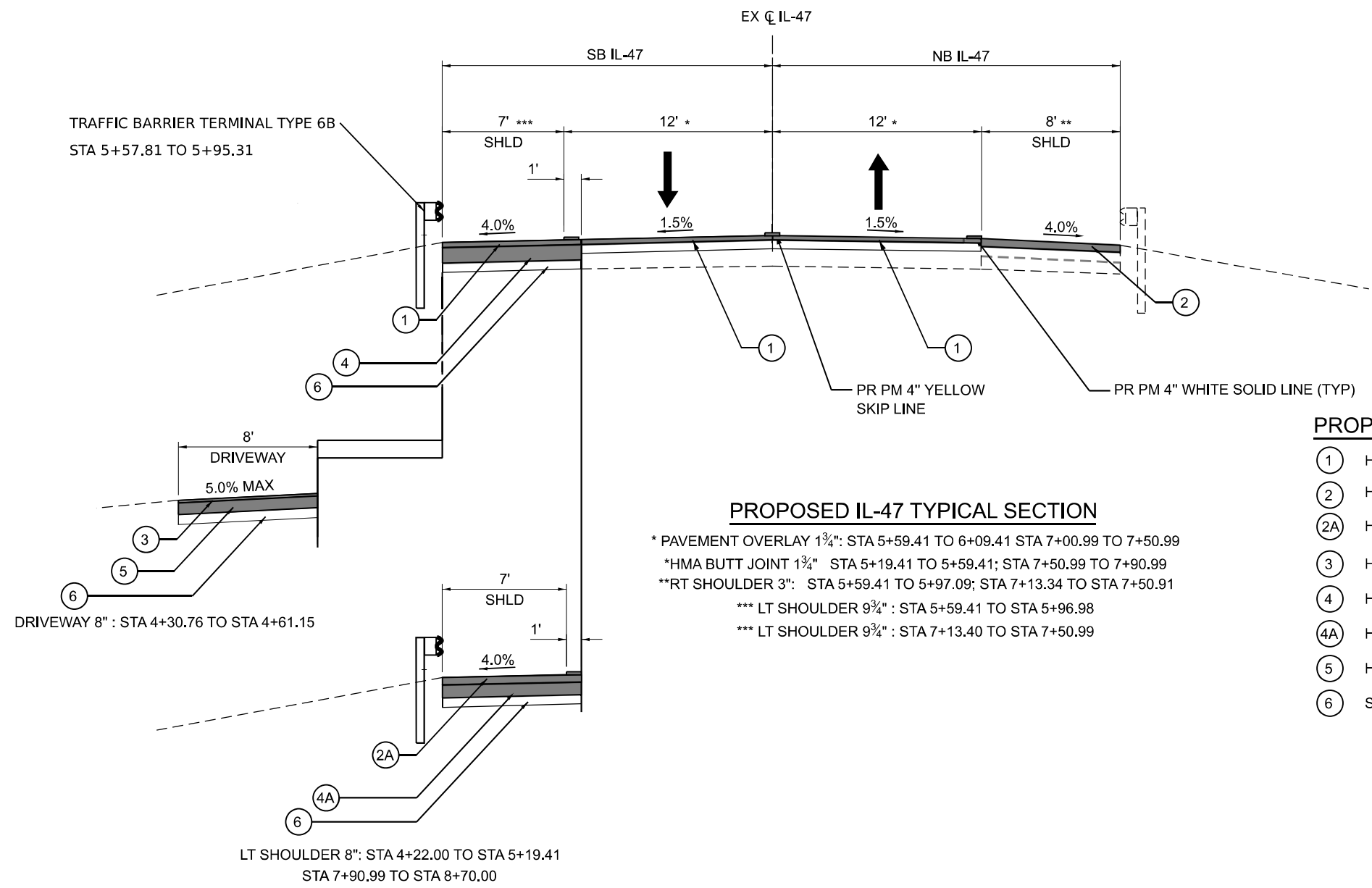
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PLOT DATE = 5/3/2023	DATE 05/05/2023	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTION

SCALE: 1/4" = 1' SHEET 1 OF 2 SHEETS STA. TO STA.

F.A. IL RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
47	FAP 032622 BJ	McHENRY	75	8
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62T01	



PROPOSED IL-47 TYPICAL SECTION

* PAVEMENT OVERLAY 1 3/4": STA 5+59.41 TO 6+09.41 STA 7+00.99 TO 7+50.99
 *HMA BUTT JOINT 1 3/4" STA 5+19.41 TO 5+59.41; STA 7+50.99 TO 7+90.99
 **RT SHOULDER 3": STA 5+59.41 TO 5+97.09; STA 7+13.34 TO STA 7+50.91
 *** LT SHOULDER 9 3/4" : STA 5+59.41 TO STA 5+96.98
 *** LT SHOULDER 9 3/4" : STA 7+13.40 TO STA 7+50.99

PROPOSED LEGEND

- ① HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70, 1 3/4"
- ② HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70, 3" (SEE NOTE 3)
- ②A HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70, 2"
- ③ HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 2"
- ④ HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 8"
- ④A HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 6"
- ⑤ HOT-MIX ASPHALT BASE COURSE, 6"
- ⑥ SUBBASE GRANULAR MATERIAL TYPE B 4"

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

	MIXTURE TYPE	AIR VOIDS N _{DES}	QMP
PAVEMENT OVERLAY 1 3/4"	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70, 1 3/4"	4% @ 70 Gyr.	QC/QA
RT SHOULDER 3"	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70, 3"	4% @ 70 Gyr.	QC/QA
LT SHOULDER 9 3/4"	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70, 1 3/4"	4% @ 70 Gyr.	QC/QA
	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 8"	4% @ 70 Gyr.	QC/QA
LT SHOULDER 8"	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70, 2"	4% @ 70 Gyr.	QC/QA
	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 6"	4% @ 70 Gyr.	QC/QA
DRIVEWAY 8"	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 2"	4% @ 50 Gyr.	QC/QA
	HOT-MIX ASPHALT BASE COURSE, 6" (HMA BINDER IL-19.0)	4% @ 50 Gyr.	QC/QA

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

NOTES

1. THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN.
2. THE AC TYPE FOR NON-POLYMERIZED SHALL BE "PG 64-22" UNLESS MODIFIED BY RECLAIMED MATERIALS SPECIFICATIONS.
3. HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70, 3" SHALL BE CONSTRUCTED IN TWO 1.5 INCH LIFTS.

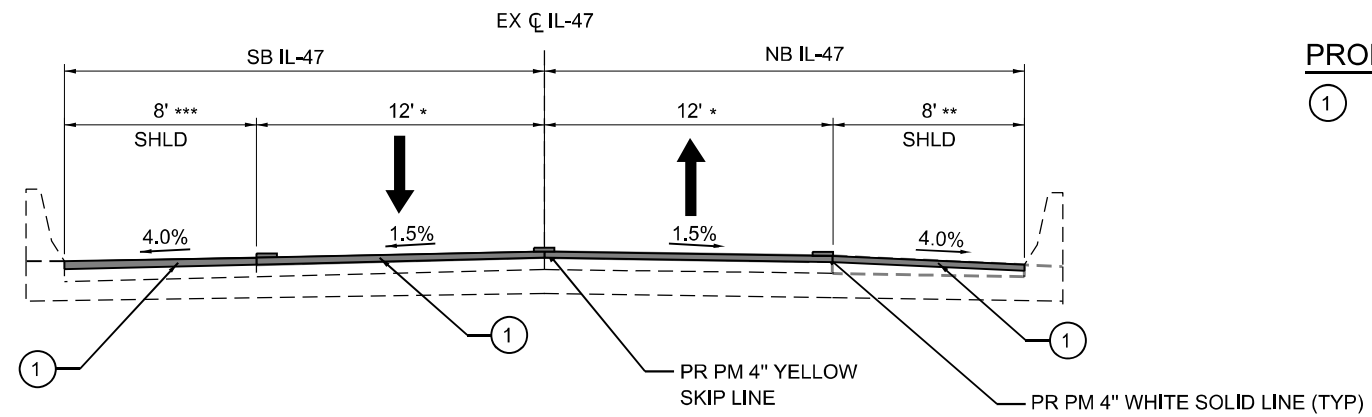
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTION
 SCALE: 1/4" = 1' SHEET 2 OF 2 SHEETS STA. TO STA.

F.A. IL RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
47	FAP 032622 BJ	McHENRY	75	9
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62T01	



PROPOSED LEGEND

① HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70, 1 3/4"

PROPOSED IL-47 TYPICAL SECTION

** RT PAVEMENT OVERLAY 1 3/4": STA 5+97.09 TO 6+09.41; STA 7+00.99 TO STA 7+13.34
 *** LT PAVEMENT OVERLAY 1 3/4": STA 5+96.98 TO 6+09.41; STA 7+00.99 TO STA 7+13.40

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTION

SCALE: 1/4" = 1' SHEET 2 OF 2 SHEETS STA. TO STA.

F.A. IL RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
47	FAP 032622 BJ	McHENRY	75	10
			CONTRACT NO. 62T01	
ILLINOIS FED. AID PROJECT				

31101200		SUBBASE GRANULAR MATERIAL, TYPE B 4"		
LOCATION	STATION	STATION	SQ FT	SQ YD
EX CL IL 47 SB OUTSIDE SHOULDER	4+22.00	5+19.41	777	87
EX CL IL 47 SB OUTSIDE SHOULDER	5+59.41	5+96.98	300	34
EX CL IL 47 SB OUTSIDE SHOULDER	7+13.40	7+50.99	300	34
EX CL IL 47 SB OUTSIDE SHOULDER	7+90.99	8+70.00	629	70
EX CL IL 47 NB DRIVEWAY	4+30.76	4+61.15	170	19
TOTAL				244

35501308		HOT-MIX ASPHALT BASE COURSE, 6"		
LOCATION	STATION	STATION	SIDE (LT/RT)	SYD
EX CL IL 47 SB DRIVEWAY	4+30.76	4+61.15	LT	20
TOTAL				20

40603085		HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70				
LOCATION	STATION	STATION	SQ YD	DEPTH (INCH)	UNIT WEIGHT (LBS/SYD/IN)	VOLUME (TON)
EX CL IL 47 SB OUTSIDE SHOULDER	4+22.00	5+19.41	87	6	112	30
EX CL IL 47 SB OUTSIDE SHOULDER	5+59.41	5+96.98	34	8	112	16
EX CL IL 47 SB OUTSIDE SHOULDER	7+13.40	7+50.99	34	8	112	16
EX CL IL 47 SB OUTSIDE SHOULDER	7+90.99	8+70.00	70	6	112	24
TOTAL						86

40604062		HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70				
LOCATION	STATION	STATION	SQ YD	DEPTH (INCH)	UNIT WEIGHT (LBS/SYD/IN)	VOLUME (TON)
EX CL IL 47	5+19.41	5+59.41	174	1 1/2	112	15
EX CL IL 47	7+50.99	7+90.99	174	1 1/2	112	15
EX CL IL 47	5+59.41	6+09.41	128	1 3/4	112	13
EX CL IL 47	7+00.99	7+50.99	128	1 3/4	112	13
EX CL IL 47 LT	5+96.98	6+09.41	13	1 3/4	112	2
EX CL IL 47 RT	5+97.09	6+09.41	11	1 3/4	112	2
EX CL IL 47 LT	7+00.99	7+13.40	12	1 3/4	112	2
EX CL IL 47 RT	7+00.99	7+13.34	12	1 3/4	112	2
EX CL IL 47 SB OUTSIDE SHOULDER	4+22.00	5+19.41	87	2	112	10
EX CL IL 47 SB OUTSIDE SHOULDER	5+59.41	5+96.98	34	1 3/4	112	4
EX CL IL 47 SB OUTSIDE SHOULDER	7+13.40	7+50.99	34	1 3/4	112	4
EX CL IL 47 SB OUTSIDE SHOULDER	7+90.99	8+70.00	70	2	112	8
EX CL IL 47 NB OUTSIDE SHOULDER	5+59.41	5+97.09	34	3	112	6
EX CL IL 47 NB OUTSIDE SHOULDER	7+13.34	7+50.99	34	3	112	6
TOTAL						102

40600982		HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT		
LOCATION	STATION	STATION	SQ FT	SQ YD
EX CL IL 47	5+19.41	5+59.41	1560	174
EX CL IL 47	7+50.99	7+90.99	1560	174
TOTAL				348

40604060		HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50			
LOCATION	STATION	STATION	SIDE (LT/RT)	DEPTH (INCH)	VOLUME (TON)
EX CL IL 47 SB DRIVEWAY	4+30.76	4+61.15	LT	2	3
TOTAL					3

44000100		PAVEMENT REMOVAL		
LOCATION	STATION	STATION	SQ FT	SQ YD
EX SB	4+22.00	5+97.28	175.28	20
EX SB	7+13.39	8+70.00	156.61	18
TOTAL				38

44000156		HOT-MIX ASPHALT SURFACE REMOVAL, 1 3/4"			
LOCATION	STATION	STATION	WIDTH	SQ FT	SQ YD
NB IL47	5+59.41	5+97.09	8	302	34
NB IL47	7+13.34	7+50.91	7	263	30
TOTAL					64

44000200		DRIVEWAY PAVEMENT REMOVAL		
LOCATION	STATION	STATION	SQ FT	SQ YD
EX CL IL 47 SB DRIVEWAY	4+30.76	4+61.15	170	19
TOTAL				19

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WSP USA Inc.
 30 N. LASALLE STREET
 SUITE 4200
 CHICAGO, IL 60602
 TEL: (312) 782-8150
 FAX: (312) 782-1884

USER NAME = USHA669697
 PLOT SCALE = 40,000' / in.
 PLOT DATE = 5/5/2023

DESIGNED -
 DRAWN -
 CHECKED -
 DATE 05/05/2023

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF QUANTITIES

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0326	FAP 032622 BJ	McHENRY	75	10
CONTRACT NO. 62T01			ILLINOIS FED. AID PROJECT	

70400200 RELOCATE TEMPORARY CONCRETE BARRIER				
LOCATION	STATION	STATION	LT/CL/RT	FOOT
STAGE 2				
-	-	-	-	-
IL 47_NB	4+92.12	8+16.34	LT	325
TOTAL				325

78009004 MODIFIED URETHANE PAVEMENT MARKING - LINE 4"					
LOCATION	STATION	STATION	LT/CL/RT	DESCRIPTION	FOOT
IL 47_SB DECK	6+09.41	7+00.99	LT	SOLID WHITE	92
IL 47_NB DECK	6+09.41	7+00.99	RT	SOLID WHITE	92
IL 47 DECK	6+09.41	7+00.99	CL	SKIP YELLOW	30
TOTAL					214

78000600 THERMOPLASTIC PAVEMENT MARKING - LINE 12"					
LOCATION	STATION	STATION	LT/CL/RT	DESCRIPTION	FOOT
IL 47_SB	3+81.77	6+09.41	LT	SOLID WHITE 45 DEG	46
IL 47_SB	7+00.99	8+70.00	LT	SOLID WHITE 45 DEG	35
IL 47_NB	5+39.41	6+09.41	RT	SOLID WHITE 45 DEG	12
IL 47_NB	7+00.99	7+70.91	RT	SOLID WHITE 45 DEG	12
TOTAL					104

78009012 MODIFIED URETHANE PAVEMENT MARKING - LINE 12"					
LOCATION	STATION	STATION	LT/CL/RT	DESCRIPTION	FOOT
IL 47_SB	6+09.41	7+00.99	LT	SOLID WHITE 45 DEG	23
IL 47_NB	6+09.41	7+00.99	LT	SOLID WHITE 45 DEG	23
TOTAL					46

78300202 PAVEMENT MARKING REMOVAL - WATER BLASTING					
LOCATION	STATION	STATION	LT/CL/RT	WIDTH (INCH)	SQ FT
PRE STAGE					
IL 47	3+30.00	10+00.00	LT	4	224
IL 47	4+22.00	8+38.54	RT	4	139
IL 47	--	2+63.48	CL	4	84
IL 47	2+63.48	10+00.00	CL	4	62
IL 47	10+00.00	--	CL	4	42
TOTAL					551

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 CHICAGO, IL 60602
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USER NAME = USHA669697
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 PLOT DATE = 6/21/2023

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0326	FAP 032622 BJ	McHENRY	75	12
CONTRACT NO.			62T01	
ILLINOIS		FED. AID PROJECT		

70400200 RELOCATE TEMPORARY CONCRETE BARRIER				
LOCATION	STATION	STATION	LT/CL/RT	FOOT
STAGE 2				
-	-	-	-	-
IL 47_NB	4+92.12	8+16.34	LT	325
TOTAL				325

78008210 POLYUREA PAVEMENT MARKING TYPE I - LINE 4"					
LOCATION	STATION	STATION	LT/CL/RT	DESCRIPTION	FOOT
IL 47_SB DECK	6+09.41	7+00.99	LT	SOLID WHITE	92
IL 47_NB DECK	6+09.41	7+00.99	RT	SOLID WHITE	92
IL 47 DECK	6+09.41	7+00.99	CL	SKIP YELLOW	30
TOTAL					214

78000600 THERMOPLASTIC PAVEMENT MARKING - LINE 12"					
LOCATION	STATION	STATION	LT/CL/RT	DESCRIPTION	FOOT
IL 47_SB	3+81.77	6+09.41	LT	SOLID WHITE 45 DEG	46
IL 47_SB	7+00.99	8+70.00	LT	SOLID WHITE 45 DEG	35
IL 47_NB	5+39.41	6+09.41	RT	SOLID WHITE 45 DEG	12
IL 47_NB	7+00.99	7+70.91	RT	SOLID WHITE 45 DEG	12
TOTAL					104

78008250 POLYUREA PAVEMENT MARKING TYPE I - LINE 12"					
LOCATION	STATION	STATION	LT/CL/RT	DESCRIPTION	FOOT
IL 47_SB	6+09.41	7+00.99	LT	SOLID WHITE 45 DEG	23
IL 47_NB	6+09.41	7+00.99	LT	SOLID WHITE 45 DEG	23
TOTAL					46

78300202 PAVEMENT MARKING REMOVAL - WATER BLASTING					
LOCATION	STATION	STATION	LT/CL/RT	WIDTH (INCH)	SQ FT
PRE STAGE					
IL 47	3+30.00	10+00.00	LT	4	224
IL 47	4+22.00	8+38.54	RT	4	139
IL 47	--	2+63.48	CL	4	84
IL 47	2+63.48	10+00.00	CL	4	62
IL 47	10+00.00	--	CL	4	42
TOTAL					551

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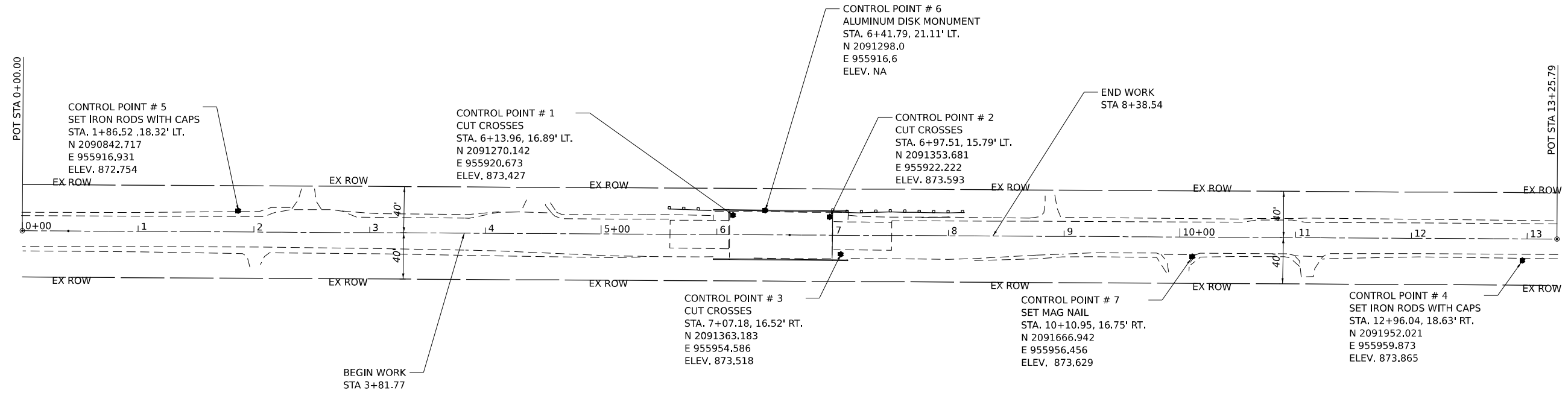
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0326	FAP 032622 BJ	McHENRY	75	13
CONTRACT NO.			62T01	
ILLINOIS FED. AID PROJECT				

ALIGNMENT COORDINATES - IL 47			
IL 47	STATION	N	E
POT	0+00.00	2090656.100	2091981.875
POT	13+25.79	955934.242	955941.406



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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ALIGNMENT, TIES AND BENCHMARKS

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

F.A. IL RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
47	FAP 032622 BJ	McHENRY	75	14
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62T01	

MAINTENANCE OF TRAFFIC GENERAL NOTES

- TRAFFIC CONTROL AND PROTECTION SHALL BE PERFORMED IN ACCORDANCE WITH THE TRAFFIC CONTROL PLAN, TRAFFIC SIGNAL PLANS, THESE NOTES, APPLICABLE SPECIAL PROVISIONS, AND SECTION 701 OF THE STANDARD SPECIFICATION AS AMENDED BY THE SPECIAL PROVISION FOR WORK ZONE TRAFFIC CONTROL (CHECK SHEET LRS 3).
- THE TYPE III BARRICADES ARE TO BE PLACED IN ACCORDANCE WITH STANDARD 701901 UNLESS AUTHORIZED BY THE ENGINEER TO USE AN ALTERNATE ARRANGEMENT.
- EXISTING TRAFFIC CONTROL SIGNS AND DEVICES MAY BE REMOVED BY THE MCHENRY COUNTY DIVISION OF TRANSPORTATION AFTER THE TRAFFIC CONTROL REQUIREMENTS ARE MET OR AS AUTHORIZED BY THE ENGINEER; ANY SIGNS OR DEVICES LEFT IN PLACE AT THIS TIME ARE TO BE RELOCATED, MAINTAINED AND PROTECTED FROM DAMAGE BY THE CONTRACTOR AND ANY DAMAGED OR LOST SIGNS WILL BE REPLACED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE CONTRACT.
- BARRICADES THAT MUST BE PLACED IN EXCAVATED AREAS SHALL HAVE LEG EXTENSIONS INSTALLED SUCH THAT THE TOP OF THE BARRICADE IS IN COMPLIANCE WITH THE HEIGHT REQUIREMENTS OF STANDARD 701901.
- TYPE I OR TYPE II BARRICADES WITH TWO-WAY FLASHING LIGHTS SHALL BE REQUIRED AT ALL OPEN TRENCHES, EXCAVATIONS, OPEN OR EXPOSED SEWER STRUCTURES, TRANSVERSE PAVEMENT JOINTS, MATERIALS OR EQUIPMENT WITHIN THE RIGHT-OF-WAY (NUMBER AND SPACING DEPENDS ON THE CONDITIONS); AND AT LOCATIONS DESIGNATED BY THE ENGINEER OR LOCAL LAW ENFORCEMENT AGENCIES.
- WHERE REQUIRED, TRAFFIC SIGNS SHALL BE RELOCATED FOR EACH STAGE OF CONSTRUCTION. RELOCATION IS INCLUDED IN THE COST OF THE CONTRACT.
- PRIOR TO THE START OF CONSTRUCTION, REQUIRED TRAFFIC CONTROL DEVICES SHALL BE IN PLACE.
- THE CONTRACTOR SHALL CONTACT THE IDOT TRAFFIC SUPERVISOR AT KALPANA.KANNAN-HOSADURGA@ILLINOIS.GOV 72 HOURS IN ADVANCE OF BEGINNING WORK.
- THE FOLLOWING TRAFFIC CONTROL STANDARDS ARE THE MINIMUM REQUIREMENTS FOR THE TRAFFIC CONTROL FOR THIS PROJECT:
- DROP-OFFS ADJACENT TO THE TRAVEL LANE SHALL BE KEPT TO A MINIMUM. PROTECTION OF THE DROP-OFF SHALL BE ACCORDING TO THE IDOT BUREAU OF SAFETY PROGRAMS AND ENGINEERING, SAFETY ENGINEERING POLICY MEMORANDUM 4-21. DROP-OFFS GREATER THAN OR EQUAL TO 12" WILL NOT BE ALLOWED AT LOCATIONS WHERE THE DROP-OFF IS LOCATED WITHIN 8 FT OF THE EDGE OF THE TRAVEL LANE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT THE DROP-OFF AREAS MEET THE OFFSET, HEIGHT, AND DURATION REQUIREMENTS TO USE BARRICADES AT THE END OF EACH WORKDAY. THIS MAY REQUIRE THE CONTRACTOR TO REPLACE OR PLACE SUFFICIENT MATERIAL IN THE EXCAVATION TO REDUCE THE DROP-OFF TO BE COMPLIANT WITH THE REQUIREMENTS FOR USE OF BARRICADES. NO ADDITIONAL COMPENSATION SHALL BE ALLOWED TO COMPLY WITH THIS REQUIREMENT.

SUGGESTED CONSTRUCTION SEQUENCING

CONSTRUCTION STAGING

PRE-STAGE

- INSTALL TRAFFIC CONTROL DEVICES AND TEMPORARY PAVEMENT MARKINGS, UTILIZE HIGHWAY STANDARDS 701201, 701301, 701311 AS WELL AS DISTRICT STANDARDS TC-10 AND TC-13 TO CLOSE THE SB SHOULDER AND PARTIAL LANE DURING THE ALLOWABLE LANE CLOSURE HOURS.
- MAINTAIN (2) 12' TRAVEL LANES. SHIFT TRAFFIC TO EAST, USING THE NB SHOULDER, NB LANE, AND PARTIAL SB LANE AS SHOWN IN THE PRE STAGE MOT PLANS.
- CONSTRUCT HMA PAVEMENT ALONG SB SHOULDERS AND HMA DRIVEWAY AS CALLED OUT ON PLANS.

STAGE 1

- INSTALL TRAFFIC CONTROL DEVICES AND TEMPORARY PAVEMENT MARKINGS, UTILIZE HIGHWAY STANDARDS 701201, 701301, 701311 & 7031321 AS WELL AS DISTRICT STANDARDS TC-10, TC-13 AND AS SHOWN IN THE STAGE 1 MOT PLANS.
- CLOSE NB SHOULDER AND NB LANE AS SHOWN IN THE STAGE 1 MOT PLANS, UTILIZING TEMPORARY TRAFFIC SIGNALS TO DIRECT (1) 16' LANE ON THE SB LANE AND SB SHOULDER.
- PERFORM BRIDGE DECK SCARIFICATION, DECK LATEX CONCRETE OVERLAY, AND DIAMOND GRINDING ON NB BRIDGE DECK AND HMA OVERLAY ON BRIDGE APPROACHES. CONSTRUCT HMA OVERLAY ON NB SHOULDERS AS CALLED OUT ON PLANS.

STAGE 2

- INSTALL TRAFFIC CONTROL DEVICES AND TEMPORARY PAVEMENT MARKINGS, UTILIZE HIGHWAY STANDARDS 701201, 701301, 701311 & 7031321 AS WELL AS DISTRICT STANDARDS TC-10, TC-13 AND AS SHOWN IN THE STAGE 2 MOT PLANS.
- CLOSE SB SHOULDER AND SB LANE AS SHOWN IN THE STAGE 2 MOT PLANS, UTILIZING TEMPORARY TRAFFIC SIGNALS TO DIRECT (1) 16' LANE ON THE NB LANE AND NB SHOULDER.
- PERFORM BRIDGE DECK SCARIFICATION, DECK LATEX CONCRETE OVERLAY, AND DIAMOND GRINDING ON SB BRIDGE DECK AND HMA OVERLAY ON BRIDGE APPROACHES. CONSTRUCT HMA OVERLAY ON SB SHOULDERS.

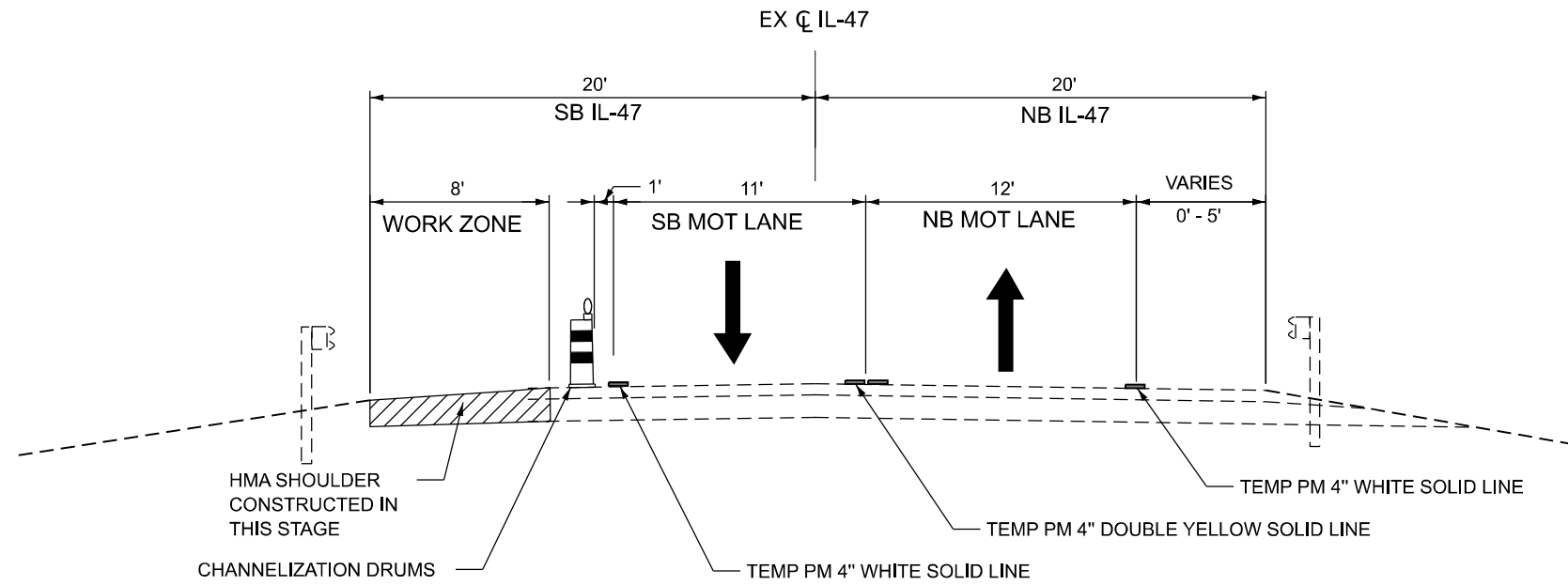
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC
GENERAL NOTES

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

F.A. IL RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
47	FAP 032622 BJ	McHENRY	75	15
CONTRACT NO. 62T01				
ILLINOIS		FED. AID PROJECT		

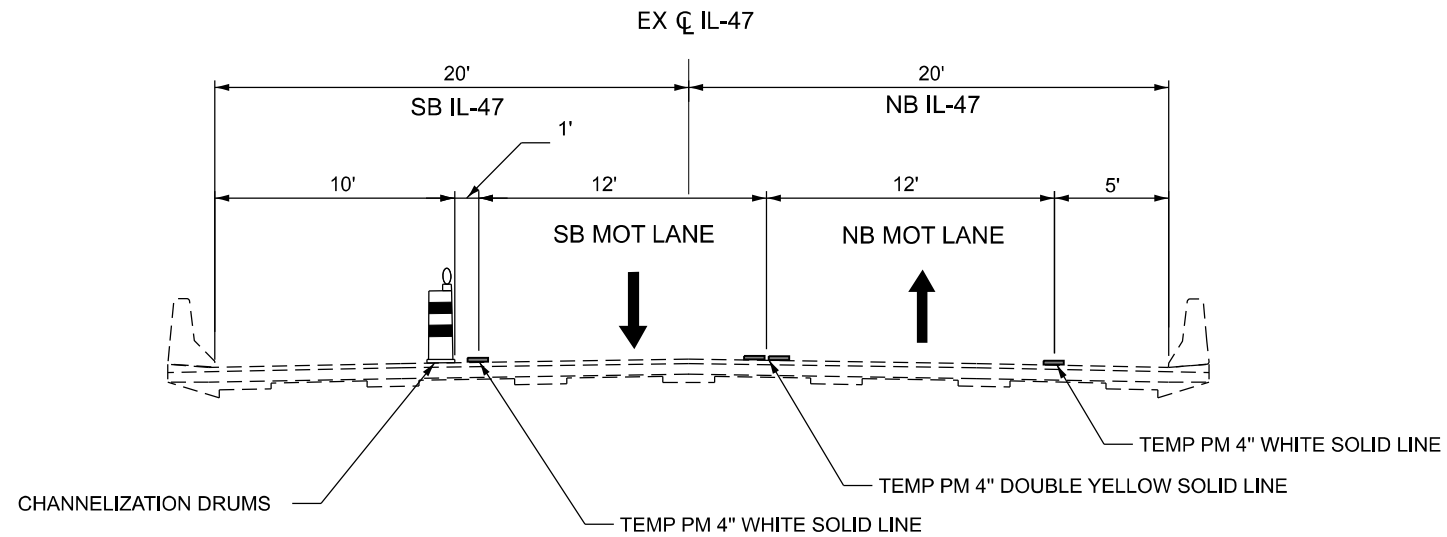
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PLOT DATE = 5/5/2023	DATE 05/05/2023	REVISED -



PRESTAGE IL-47 ROAD TYPICAL SECTION

STA 4+22.00 TO 5+96.78
 STA 7+13.24 TO 8+38.56

LEGEND



PRE-STAGE NIPPERSINK BRIDGE TYPICAL SECTION

STA 6+10.94 TO 6+99.72

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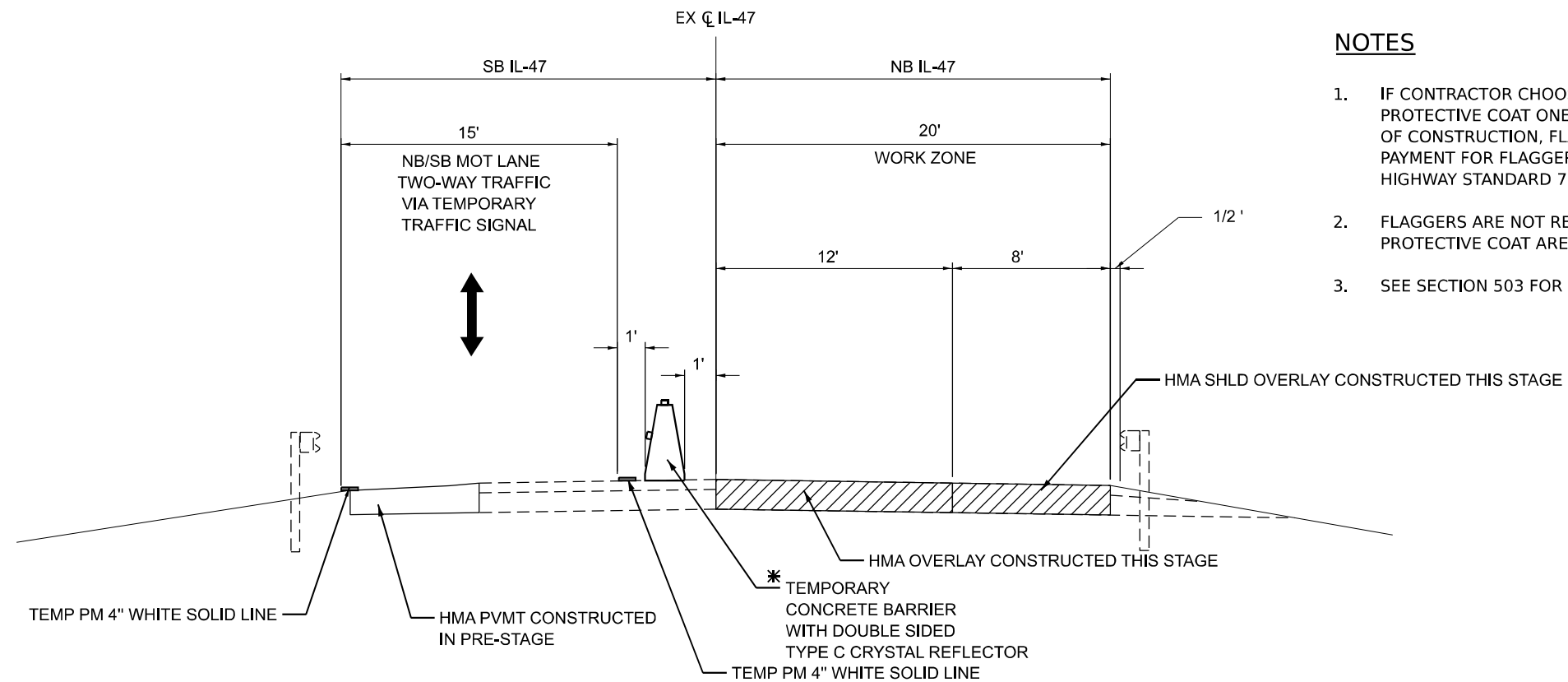
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC
 TYPICAL SECTIONS**

SCALE: 1/4" = 1' SHEET 1 OF 5 SHEETS STA. TO STA.

F.A. IL RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
47	FAP 032622 BJ	McHENRY	75	16
CONTRACT NO. 62T01			ILLINOIS FED. AID PROJECT	



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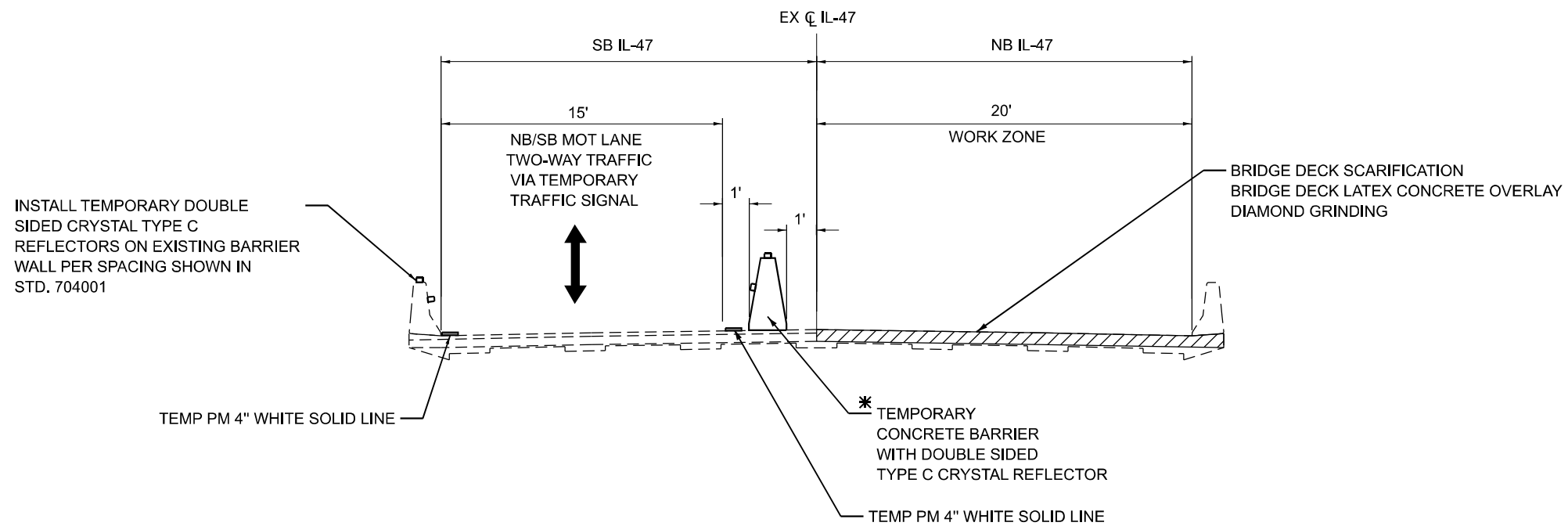
1. IF CONTRACTOR CHOOSES TO DIAMOND GRIND AND APPLY PROTECTIVE COAT ONE TIME, AFTER COMPLETION OF STAGE 2 OF CONSTRUCTION, FLAGGERS MUST BE USED. NO ADDITIONAL PAYMENT FOR FLAGGERS WILL BE MADE. CONTRACTOR MUST FOLLOW HIGHWAY STANDARD 701201 OR 701206.
2. FLAGGERS ARE NOT REQUIRED IF DIAMOND GRINDING AND PROTECTIVE COAT ARE INSTALLED DURING STAGED CONSTRUCTION.
3. SEE SECTION 503 FOR PROTECTIVE COAT REQUIREMENTS.

LEGEND



STAGE 1 IL-47 ROAD TYPICAL SECTION

STA 5+14.42 TO 6+10.94
STA 6+99.72 TO 7+94.17



STAGE 1 IL-47 OVER NIPPERSINK CREEK TYPICAL SECTION

STA 6+10.94 TO 6+99.72

* TYPE C REFLECTORS INSTALLED ON TEMPORARY CONCRETE BARRIER SHALL BE CONSIDERED INCLUDED IN THE COST OF TEMPORARY CONCRETE BARRIER

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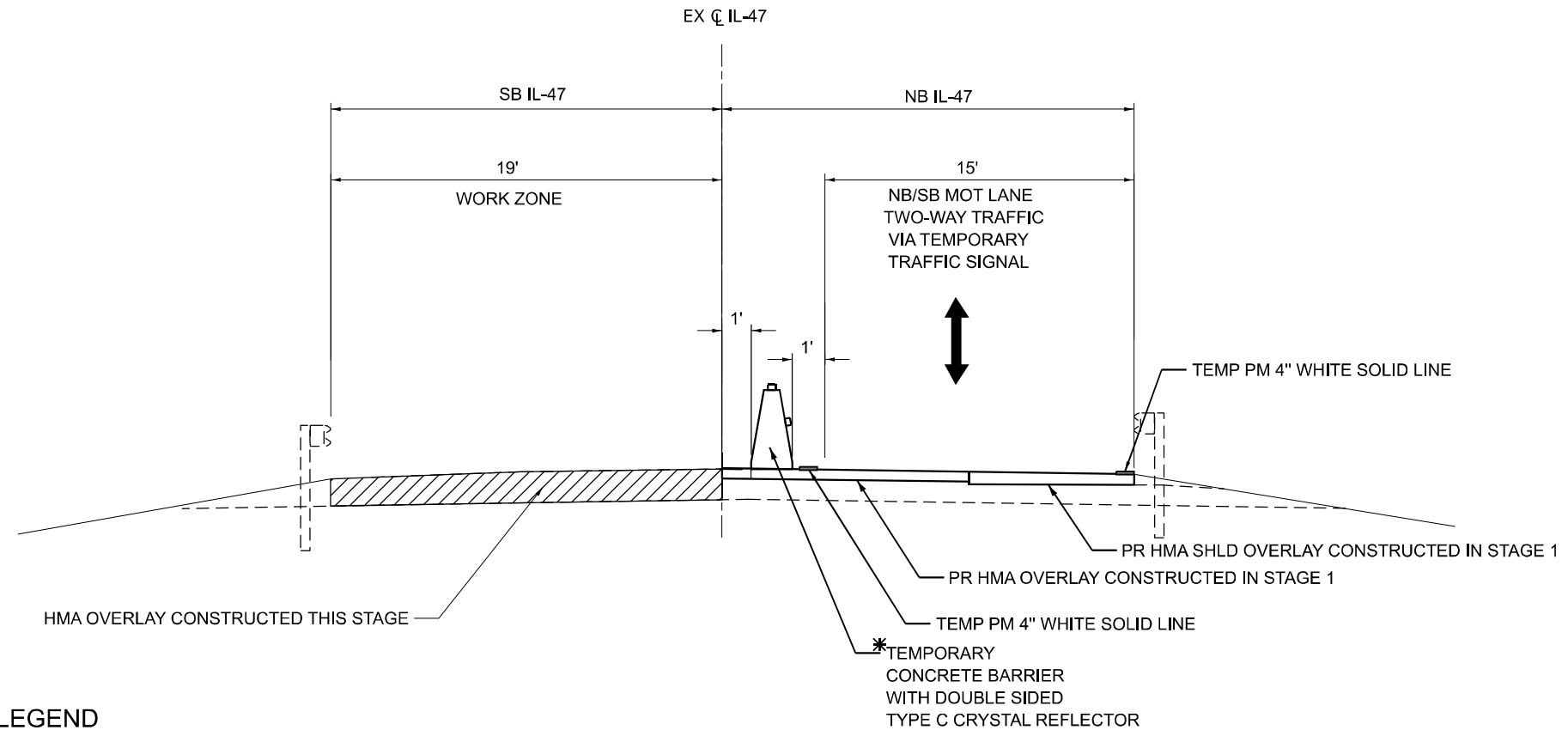
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	DRAWN -	REVISED -
PLOT SCALE = 8,000 * / in.	CHECKED -	REVISED -
PLOT DATE = 5/5/2023	DATE 05/05/2023	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC
TYPICAL SECTIONS**

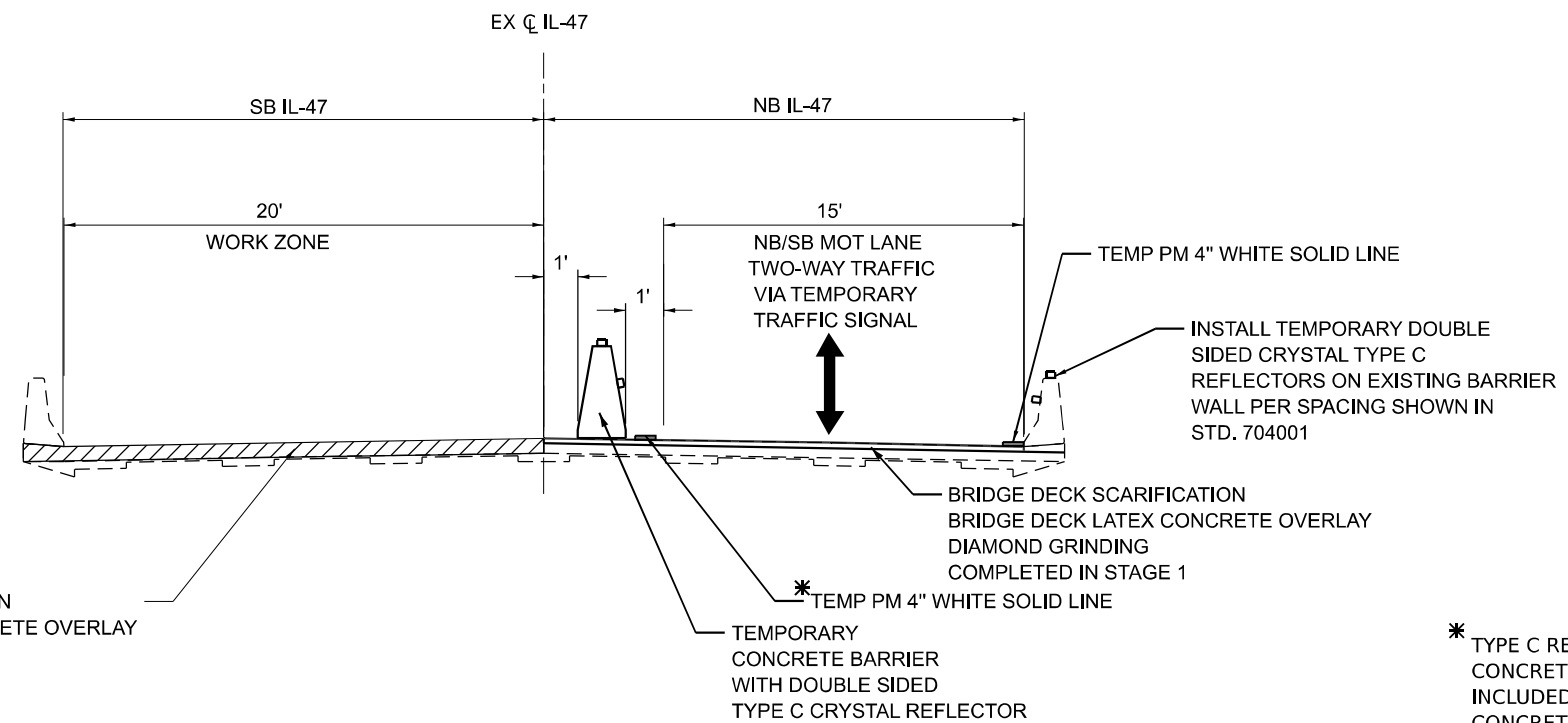
SCALE: 1/4" = 1' SHEET 2 OF 5 SHEETS STA. TO STA.

F.A. IL RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
47	FAP 032622 BJ	McHENRY	75	17
			CONTRACT NO. 62T01	
		ILLINOIS FED. AID PROJECT		



STAGE 2 IL-47 TYPICAL ROAD SECTION

STA 5+14.42 TO 6+10.94
STA 6+99.72 TO 7+94.17



* TYPE C REFLECTORS INSTALLED ON TEMPORARY
CONCRETE BARRIER SHALL BE CONSIDERED
INCLUDED IN THE COST OF TEMPORARY
CONCRETE BARRIER

STAGE 2 IL-47 OVER NIPPERSINK CREEK TYPICAL SECTION

STA 6+10.94 TO 6.99.72

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USER NAME = WangS	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 8,000 * / in.	CHECKED -	REVISED -
PLOT DATE = 5/5/2023	DATE 05/05/2023	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC
TYPICAL SECTIONS**

SCALE: 1/4" = 1' SHEET 3 OF 5 SHEETS STA. TO STA.

F.A. IL RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
47	FAP 032622 BJ	McHENRY	75	18
CONTRACT NO. 62T01				
ILLINOIS FED. AID PROJECT				



ARTERIAL ROAD INFORMATION SIGN (SEE DETAIL TC-22)



W20-I103(O)-48



W3-5(O)-48



WORK ZONE SPEED LIMIT 45
R2-1-3648
R10-I108P-3618
R2-I106P-3618



W21-1(O)-48
(THIS SIGN SHALL BE TAKEN DOWN WHEN WORKERS ARE NOT PRESENT)



W24-1(O)-48

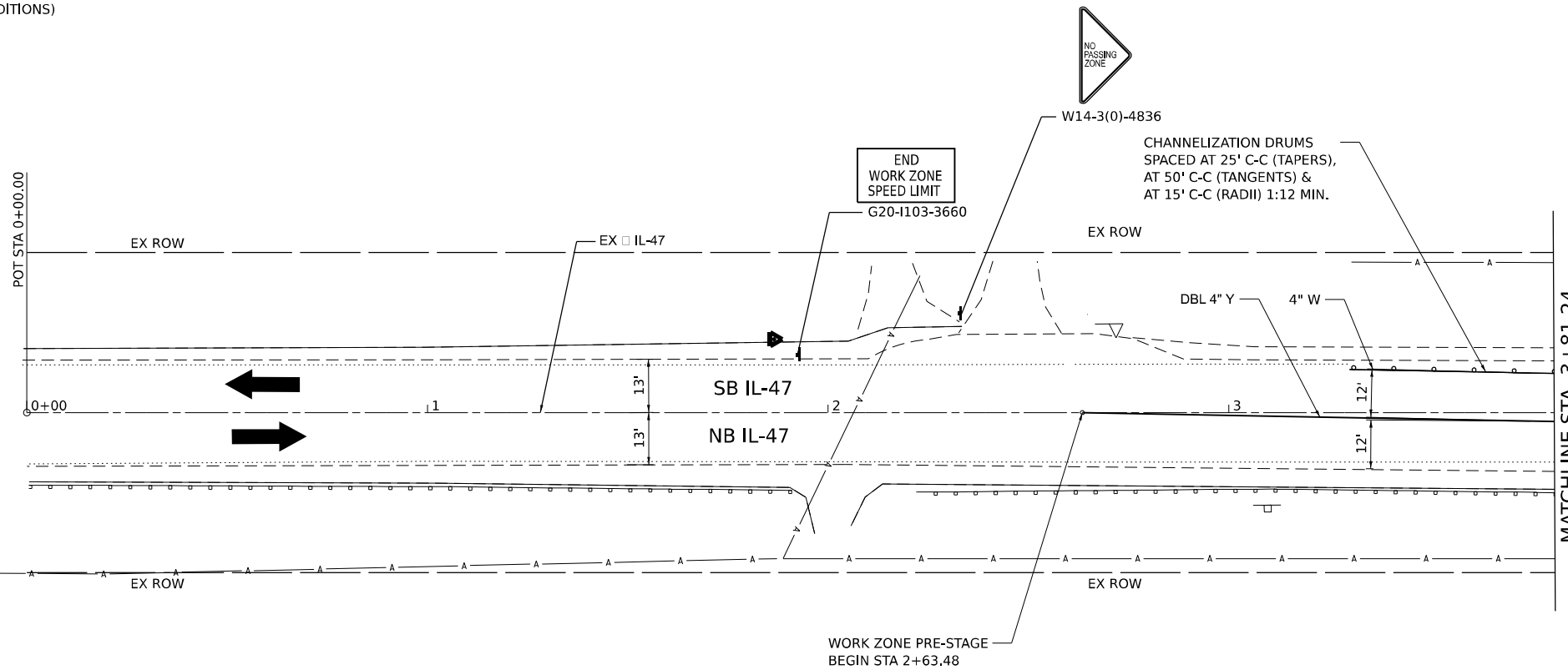
NOTES:

- 1. CONTRACTOR SHALL UTILIZE APPLICABLE IDOT TRAFFIC CONTROL AND PROTECTION STANDARDS LISTED AND AS MODIFIED ON THIS SHEET.



ADVANCE SIGNING FOR NB IL-47

(SPACING MAY VARY DUE TO FIELD CONDITIONS)



LEGEND table with symbols for Construction Work Zone, PVMT, BARRICADE, ARROW BOARD, PCMS BOARD, CONSTRUCTION SIGN, DIRECTION OF TRAFFIC, DIRECTIONAL INDICATOR BARRICADE, and IMPACT ATTENUATOR.

MODEL: D:\p\11763_07\CADD\Sheets\MOT\1176301_sht-Pre_Stage0001.dgn



WSP USA Inc. 30 N. LASALLE STREET SUITE 4200 CHICAGO, IL 60602 TEL: (312) 782-8150 FAX: (312) 782-1884

Revision table with columns for USER NAME, DESIGNED, DRAWN, PLOT SCALE, PLOT DATE, REVISIONS, and DATE.

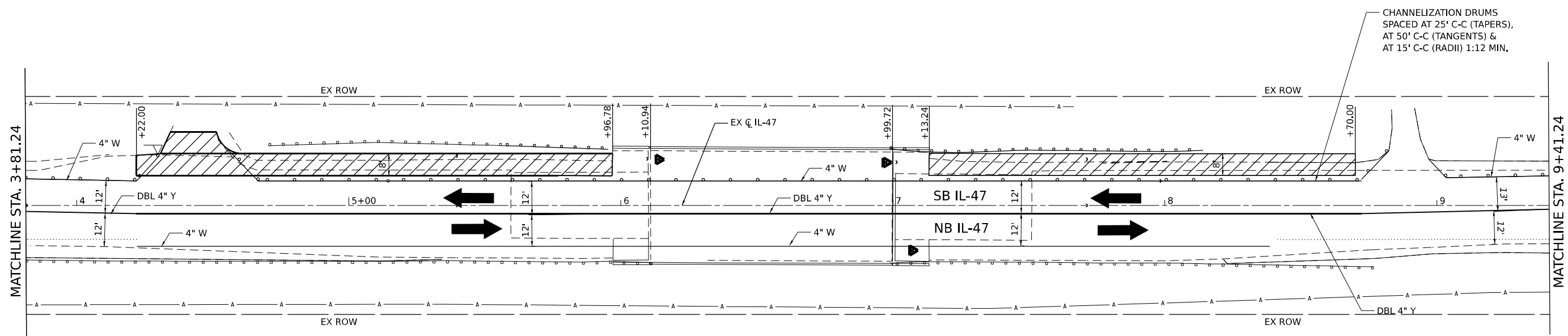
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

Project information table including F.A.P. RTE., SECTION, COUNTY, TOTAL SHEETS, SHEET NO., and CONTRACT NO.

Scale and sheet information table including SCALE, SHEET OF SHEETS, STA., TO STA., and ILLINOIS FED. AID PROJECT.

NOTES:

- CONTRACTOR SHALL UTILIZE APPLICABLE IDOT TRAFFIC CONTROL AND PROTECTION STANDARDS LISTED AND AS MODIFIED ON THIS SHEET.



CHANNELIZATION DRUMS
SPACED AT 25' C-C (TAPERS),
AT 50' C-C (TANGENTS) &
AT 15' C-C (RADI) 1:12 MIN.



MODEL: D:\p\11\071\CAD\Sheet\MOT\162T01_sht-Pre_Stage0002.dgn
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LEGEND	
	CONSTRUCTION WORK ZONE
	PVMT CONSTRUCTED IN PREVIOUS STAGE
	CONSTRUCTION WORK ZONE CONTD FROM PREVIOUS STAGE
	ARROW BOARD
	PR PVMT CONSTRUCTED IN PREVIOUS STAGE
	TEMP CONCRETE BARRIER
	TYPE III BARRICADE WITH STEADY BURNING LIGHTS
	TYPE II BARRICADE OR DRUM W STEADY BURNING LIGHT
	DIRECTIONAL INDICATOR BARRICADE W/ STEADY BURN MONODIRECTIONAL LIGHT
	PCMS BOARD
	CONSTRUCTION SIGN
	DIRECTION OF TRAFFIC
	IMPACT ATTENUATOR

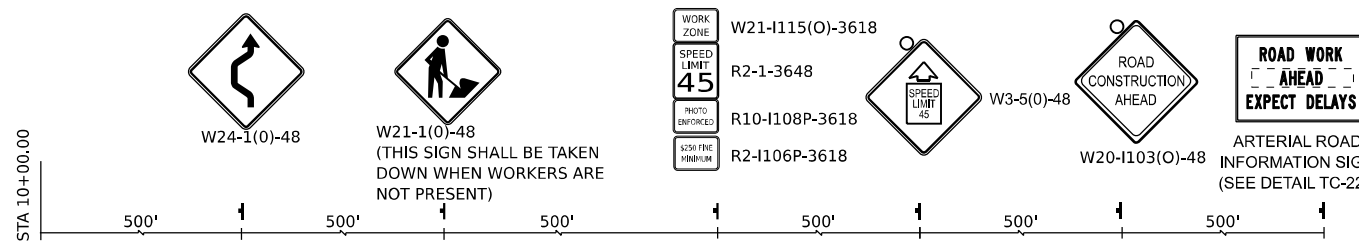


USER NAME = USHA669697 DESIGNED - DRAWN - PLOT SCALE = 40,000' / in. CHECKED - PLOT DATE = 5/3/2023	DESIGNED - DRAWN - CHECKED - DATE 05/05/2023	REVISED - REVISED - REVISED - REVISED -
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC – PRE STAGE				
IL-47				
SCALE:	SHEET	OF	SHEETS	STA. TO STA.

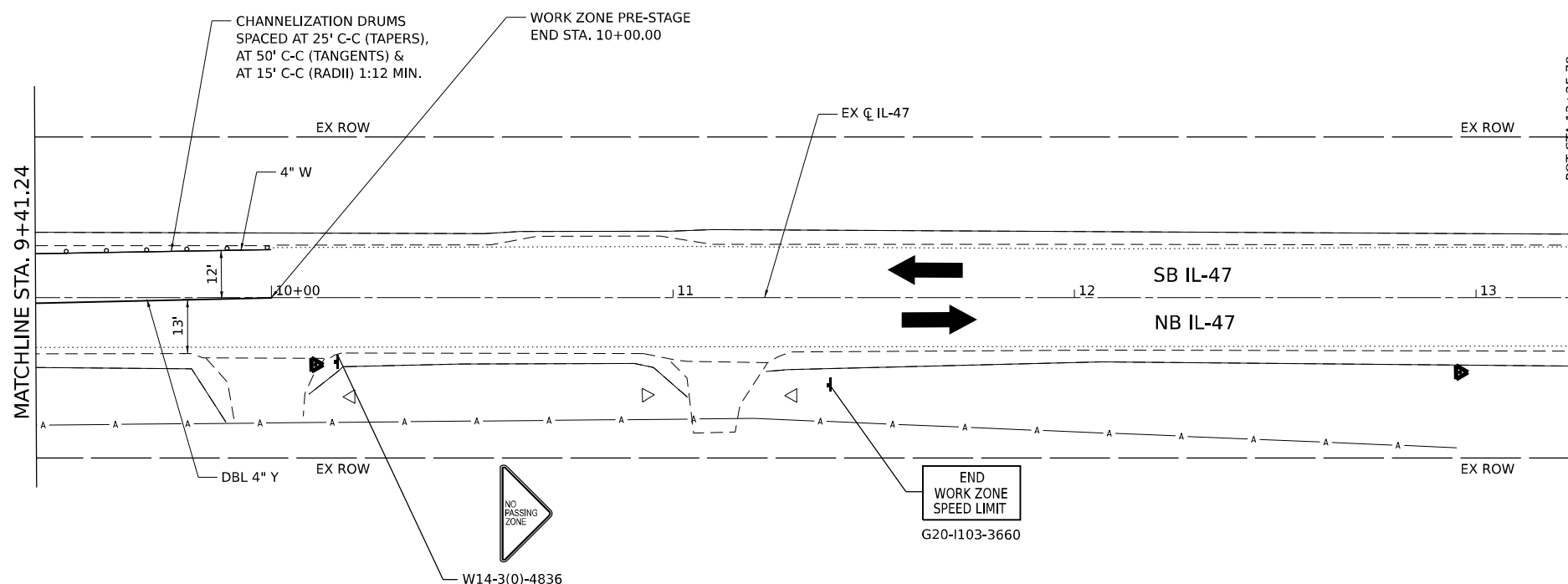
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0326	FAP 032622 BJ	McHENRY	75	20
CONTRACT NO. 62T01			ILLINOIS FED. AID PROJECT	



ADVANCE SIGNING FOR SB IL-47
(SPACING MAY VARY DUE TO FIELD CONDITIONS)

NOTES:

- CONTRACTOR SHALL UTILIZE APPLICABLE IDOT TRAFFIC CONTROL AND PROTECTION STANDARDS LISTED AND AS MODIFIED ON THIS SHEET.



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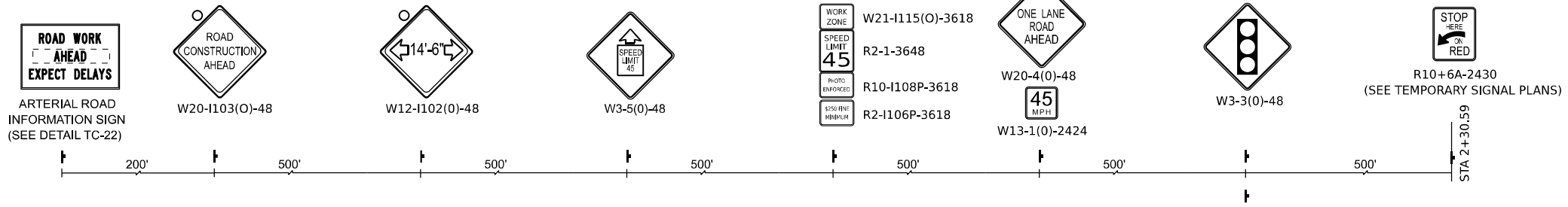
LEGEND	
	CONSTRUCTION WORK ZONE
	CONSTRUCTION WORK ZONE CONTD FROM PREVIOUS STAGE
	PR PVMT CONSTRUCTED IN PREVIOUS STAGE
	PVMT CONSTRUCTED IN PREVIOUS STAGE
	ARROW BOARD
	TYPE III BARRICADE WITH STEADY BURNING LIGHTS
	TYPE II BARRICADE OR DRUM W STEADY BURNING LIGHT
	DIRECTIONAL INDICATOR BARRICADE W/ STEADY BURN MONODIRECTIONAL LIGHT
	PCMS BOARD
	CONSTRUCTION SIGN
	DIRECTION OF TRAFFIC
	IMPACT ATTENUATOR

WSP USA Inc. 30 N. LASALLE STREET SUITE 4200 CHICAGO, IL 60602 TEL: (312) 782-8150 FAX: (312) 782-1884	USER NAME = USHA669697	DESIGNED -	REVISED -
	PLOT SCALE = 40,000' / in.	DRAWN -	REVISED -
	PLOT DATE = 5/3/2023	CHECKED -	REVISED -
		DATE 05/05/2023	REVISED -

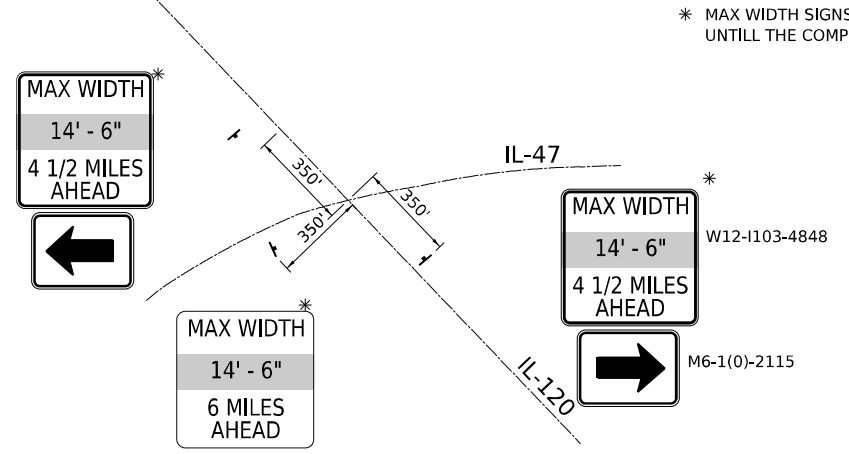
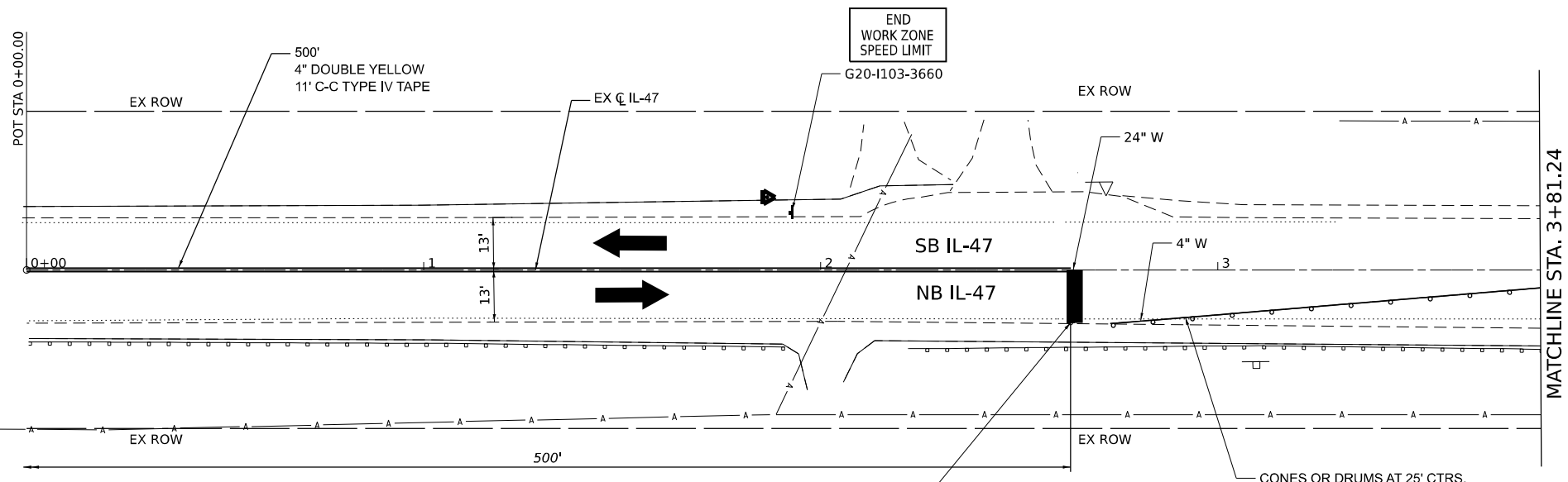
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC – PRE STAGE			
IL-47			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0326	FAP 032622 BJ	McHENRY	75	21
			CONTRACT NO. 62T01	
		ILLINOIS FED. AID PROJECT		



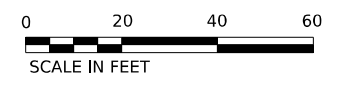
ADVANCE SIGNING FOR NB IL-47
(SPACING MAY VARY DUE TO FIELD CONDITIONS)



* MAX WIDTH SIGNS SHALL REMAIN INSTALLED UNTILL THE COMPLETION OF MOT STAGE 2

WORK ZONE STAGE 1
BEGIN STA: 2+62.92

CONES OR DRUMS AT 25' CTRS.
1:12 MIN. WITH BI-DIRECTIONAL
STEADY BURN LIGHTS



NOTES:

THE CONTRACTOR SHALL APPLY PROTECTIVE COAT TO THE BRIDGE DECK AFTER IT HAS BEEN DIAMOND GRIDED AND GROOVED. PER ARTICLE 503.19, PROTECTIVE COAT CANNOT BE APPLIED UNTIL THE CONCRETE IS AT LEAST 14 DAYS OLD.

	CONSTRUCTION WORK ZONE		PVMT CONSTRUCTED IN PREVIOUS STAGE		TYPE III BARRICADE WITH STEADY BURNING LIGHTS		PCMS BOARD
	CONSTRUCTION WORK ZONE CONTD FROM PREVIOUS STAGE		ARROW BOARD		TYPE II BARRICADE OR DRUM W STEADY BURNING LIGHT		CONSTRUCTION SIGN
	PR PVMT CONSTRUCTED IN PREVIOUS STAGE		DIRECTIONAL INDICATOR BARRICADE W/ STEADY BURN MONODIRECTIONAL LIGHT		IMPACT ATTENUATOR		
	TEMP CONCRETE BARRIER						

MODEL: D:\p\11\11763_07\CAD\Sheet\MOT\1176301.dwg; Stage 1_0001.dgn



WSP USA Inc.
30 N. LASALLE STREET
SUITE 4200
CHICAGO, IL 60602
TEL: (312) 782-8150
FAX: (312) 782-1884

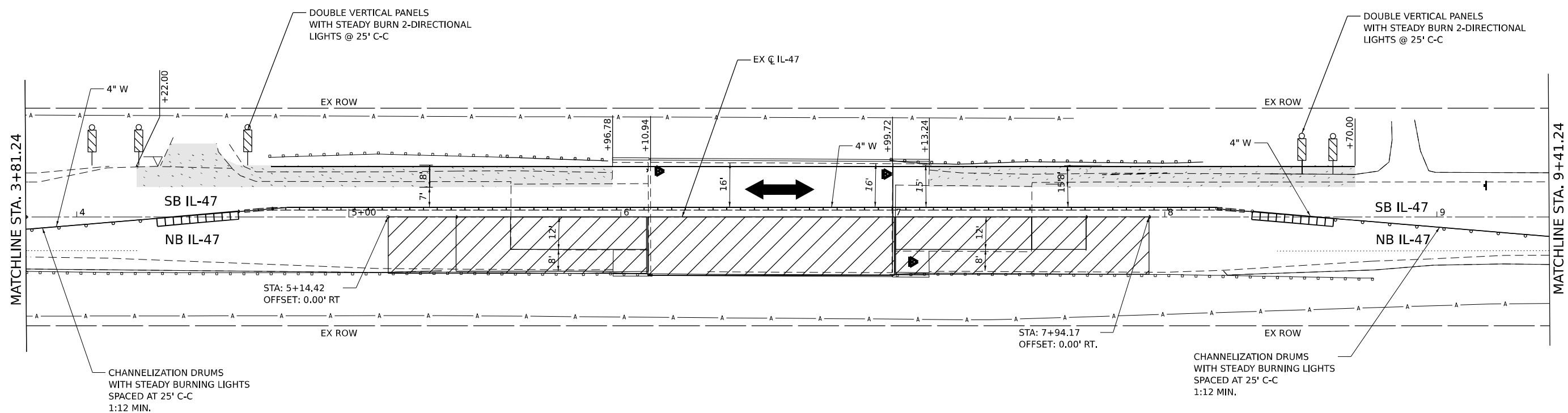
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PLOT SCALE = 40,000' / in.	DRAWN -	REVISED -
PLOT DATE = 5/10/2023	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC – STAGE 1
IL-47**

SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0326	FAP 032622 BJ	McHENRY	75	22
CONTRACT NO. 62T01			ILLINOIS FED. AID PROJECT	



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LEGEND	
	CONSTRUCTION WORK ZONE
	PVMT CONSTRUCTED IN PREVIOUS STAGE
	CONSTRUCTION WORK ZONE CONTD FROM PREVIOUS STAGE
	ARROW BOARD
	PR PVMT CONSTRUCTED IN PREVIOUS STAGE
	TEMP CONCRETE BARRIER
	TYPE III BARRICADE WITH STEADY BURNING LIGHTS
	TYPE II BARRICADE OR DRUM W STEADY BURNING LIGHT
	DIRECTIONAL INDICATOR BARRICADE W/ STEADY BURN MONODIRECTIONAL LIGHT
	PCMS BOARD
	CONSTRUCTION SIGN
	DIRECTION OF TRAFFIC
	IMPACT ATTENUATOR

NOTES:

THE CONTRACTOR SHALL APPLY PROTECTIVE COAT TO THE BRIDGE DECK AFTER IT HAS BEEN DIAMOND GRINDED AND GROOVED, PER ARTICLE 503.19, PROTECTIVE COAT CANNOT BE APPLIED UNTIL THE CONCRETE IS AT LEAST 14 DAYS OLD.

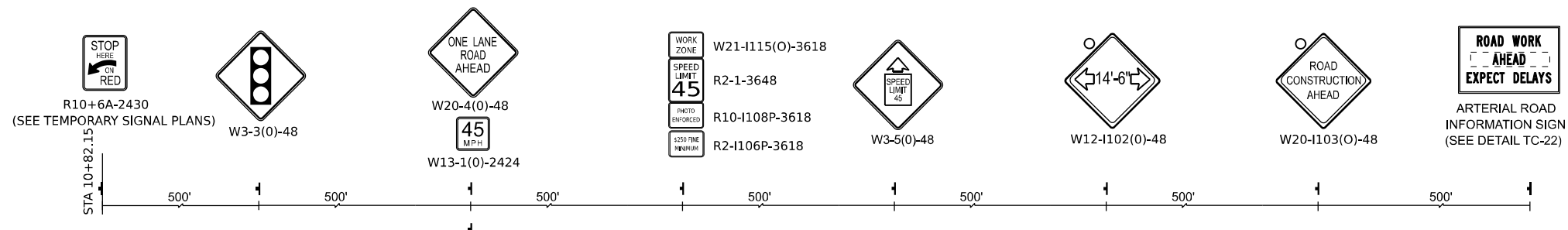


WSP USA Inc. 30 N. LASALLE STREET SUITE 4200 CHICAGO, IL 60602 TEL: (312) 782-8150 FAX: (312) 782-1884	USER NAME = WangS DESIGNED - DRAWN - CHECKED - DATE -	REVISED - REVISED - REVISED - REVISED -
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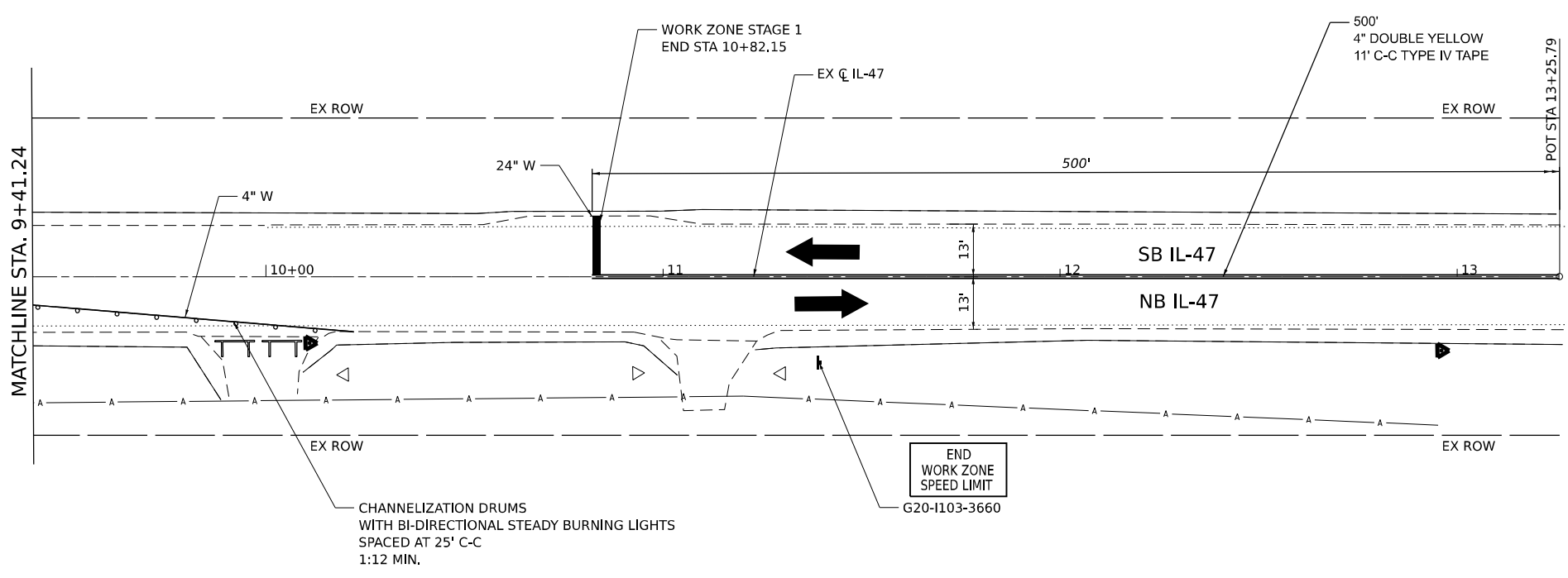
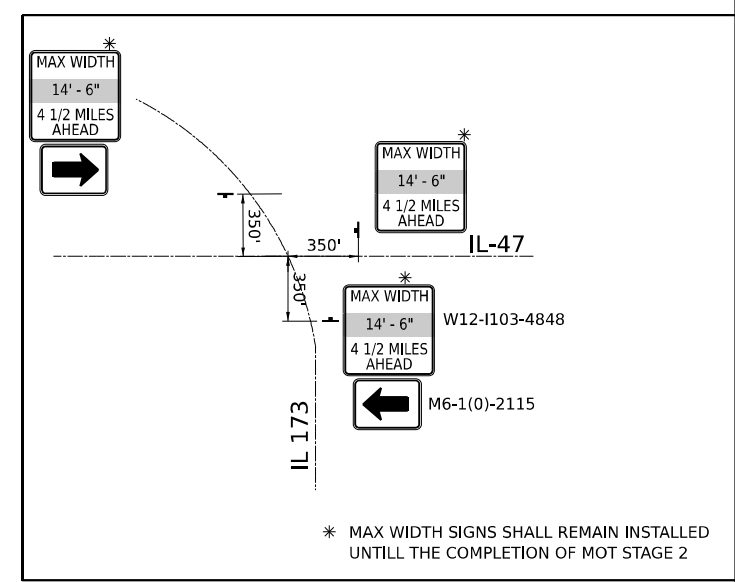
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

MAINTENANCE OF TRAFFIC – STAGE 1				
IL-47				
SCALE:	SHEET	OF	SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0326	FAP 032622 BJ	McHENRY	75	23
CONTRACT NO. 62T01			ILLINOIS FED. AID PROJECT	



ADVANCE SIGNING FOR NB IL-47
(SPACING MAY VARY DUE TO FIELD CONDITIONS)



MODEL: D:\p\11762_07\CAD\Drawings\MOT\11762_07_Stage 1_0003.dgn

CONSTRUCTION WORK ZONE	PVMT CONSTRUCTED IN PREVIOUS STAGE	TYPE III BARRICADE WITH STEADY BURNING LIGHTS	PCMS BOARD
CONSTRUCTION WORK ZONE CONTD FROM PREVIOUS STAGE	ARROW BOARD	TYPE II BARRICADE OR DRUM W STEADY BURNING LIGHT	CONSTRUCTION SIGN
PR PVMT CONSTRUCTED IN PREVIOUS STAGE		DIRECTIONAL INDICATOR BARRICADE W/ STEADY BURN MONODIRECTIONAL LIGHT	IMPACT ATTENUATOR
TEMP CONCRETE BARRIER			

NOTES:
THE CONTRACTOR SHALL APPLY PROTECTIVE COAT TO THE BRIDGE DECK AFTER IT HAS BEEN DIAMOND GRINDED AND GROOVED. PER ARTICLE 503.19, PROTECTIVE COAT CANNOT BE APPLIED UNTIL THE CONCRETE IS AT LEAST 14 DAYS OLD.



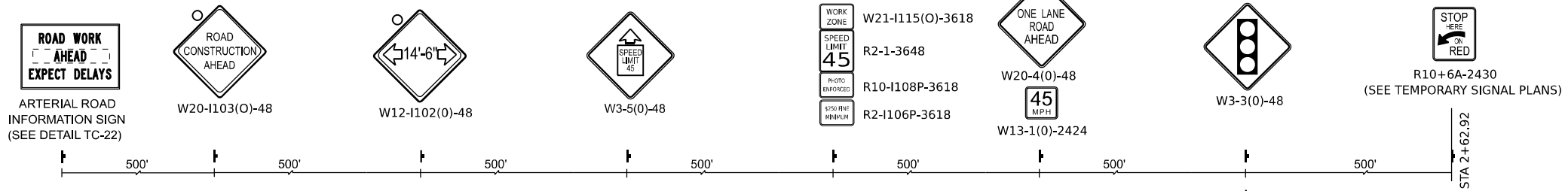
WSP USA Inc. 30 N. LASALLE STREET SUITE 4200 CHICAGO, IL 60602 TEL: (312) 782-8150 FAX: (312) 782-1884	USER NAME = WangS	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 40,000' / in.	CHECKED -	REVISED -
	PLOT DATE = 5/10/2023	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

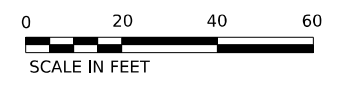
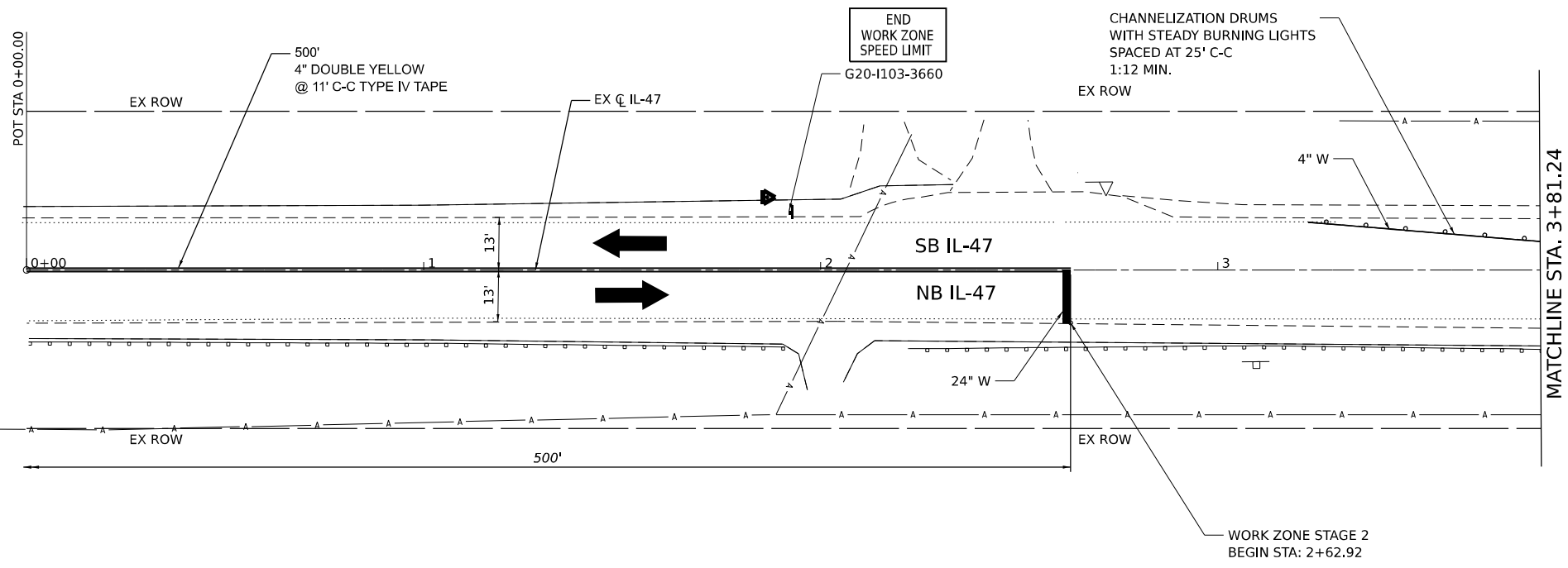
**MAINTENANCE OF TRAFFIC – STAGE 1
IL-47**

SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.
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F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0326	FAP 032622 BJ	McHENRY	75	24
CONTRACT NO. 62T01			ILLINOIS FED. AID PROJECT	



ADVANCE SIGNING FOR NB IL-47
(SPACING MAY VARY DUE TO FIELD CONDITIONS)



LEGEND	
	CONSTRUCTION WORK ZONE
	PVMT CONSTRUCTED IN PREVIOUS STAGE
	CONSTRUCTION WORK ZONE CONTD FROM PREVIOUS STAGE
	ARROW BOARD
	PR PVMT CONSTRUCTED IN PREVIOUS STAGE
	TEMP CONCRETE BARRIER
	TYPE III BARRICADE WITH STEADY BURNING LIGHTS
	TYPE II BARRICADE OR DRUM W STEADY BURNING LIGHT
	DIRECTIONAL INDICATOR BARRICADE W/ STEADY BURN MONODIRECTIONAL LIGHT
	PCMS BOARD
	CONSTRUCTION SIGN
	DIRECTION OF TRAFFIC
	IMPACT ATTENUATOR

NOTES:
THE CONTRACTOR SHALL APPLY PROTECTIVE COAT TO THE BRIDGE DECK AFTER IT HAS BEEN DIAMOND GRINDED AND GROOVED. PER ARTICLE 503.19, PROTECTIVE COAT CANNOT BE APPLIED UNTIL THE CONCRETE IS AT LEAST 14 DAYS OLD.

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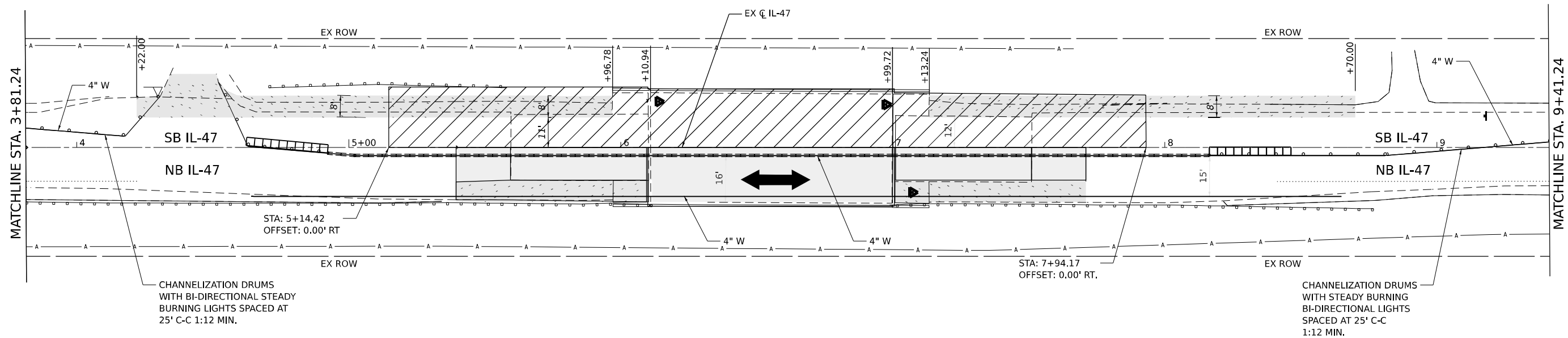


WSP USA Inc. 30 N. LASALLE STREET SUITE 4200 CHICAGO, IL 60602 TEL: (312) 782-8150 FAX: (312) 782-1884	USER NAME = WangS	DESIGNED -	REVISED -
	PLOT SCALE = 40,000' / in.	DRAWN -	REVISED -
	PLOT DATE = 5/10/2023	CHECKED -	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

MAINTENANCE OF TRAFFIC – STAGE 2			
IL-47			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0326	FAP 032622 BJ	McHENRY	75	25
CONTRACT NO. 62T01			ILLINOIS FED. AID PROJECT	



CHANNELIZATION DRUMS WITH BI-DIRECTIONAL STEADY BURNING LIGHTS SPACED AT 25' C-C 1:12 MIN.

CHANNELIZATION DRUMS WITH STEADY BURNING BI-DIRECTIONAL LIGHTS SPACED AT 25' C-C 1:12 MIN.



LEGEND	
	CONSTRUCTION WORK ZONE
	CONSTRUCTION WORK ZONE CONTD FROM PREVIOUS STAGE
	PVMT CONSTRUCTED IN PREVIOUS STAGE
	PR PVMT CONSTRUCTED IN PREVIOUS STAGE
	TEMP CONCRETE BARRIER
	TYPE III BARRICADE WITH STEADY BURNING LIGHTS
	TYPE II BARRICADE OR DRUM W STEADY BURNING LIGHT
	DIRECTIONAL INDICATOR BARRICADE W/ STEADY BURN MONODIRECTIONAL LIGHT
	PCMS BOARD
	CONSTRUCTION SIGN
	ARROW BOARD
	DIRECTION OF TRAFFIC
	IMPACT ATTENUATOR

NOTES:
 THE CONTRACTOR SHALL APPLY PROTECTIVE COAT TO THE BRIDGE DECK AFTER IT HAS BEEN DIAMOND GRINDED AND GROOVED. PER ARTICLE 503.19, PROTECTIVE COAT CANNOT BE APPLIED UNTIL THE CONCRETE IS AT LEAST 14 DAYS OLD.

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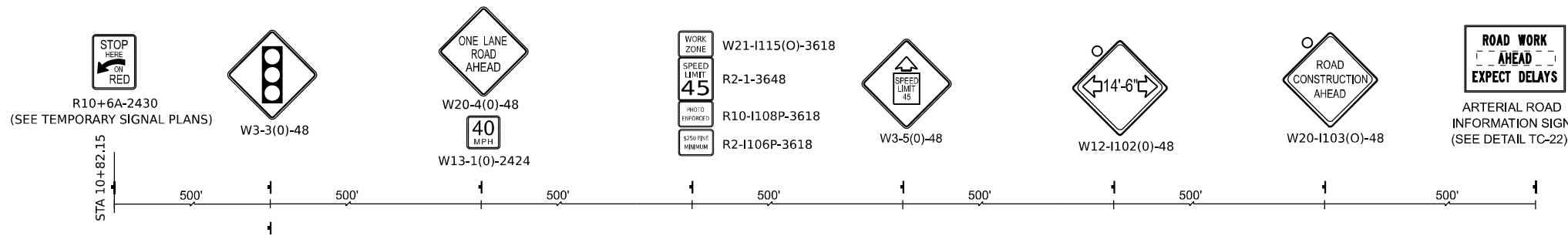
WSP USA Inc.
 30 N. LASALLE STREET
 SUITE 4200
 CHICAGO, IL 60602
 TEL: (312) 782-8150
 FAX: (312) 782-1884

USER NAME = WangS	DESIGNED -	REVISED -
PLOT SCALE = 40,000' / in.	DRAWN -	REVISED -
PLOT DATE = 5/10/2023	CHECKED -	REVISED -
	DATE -	REVISED -

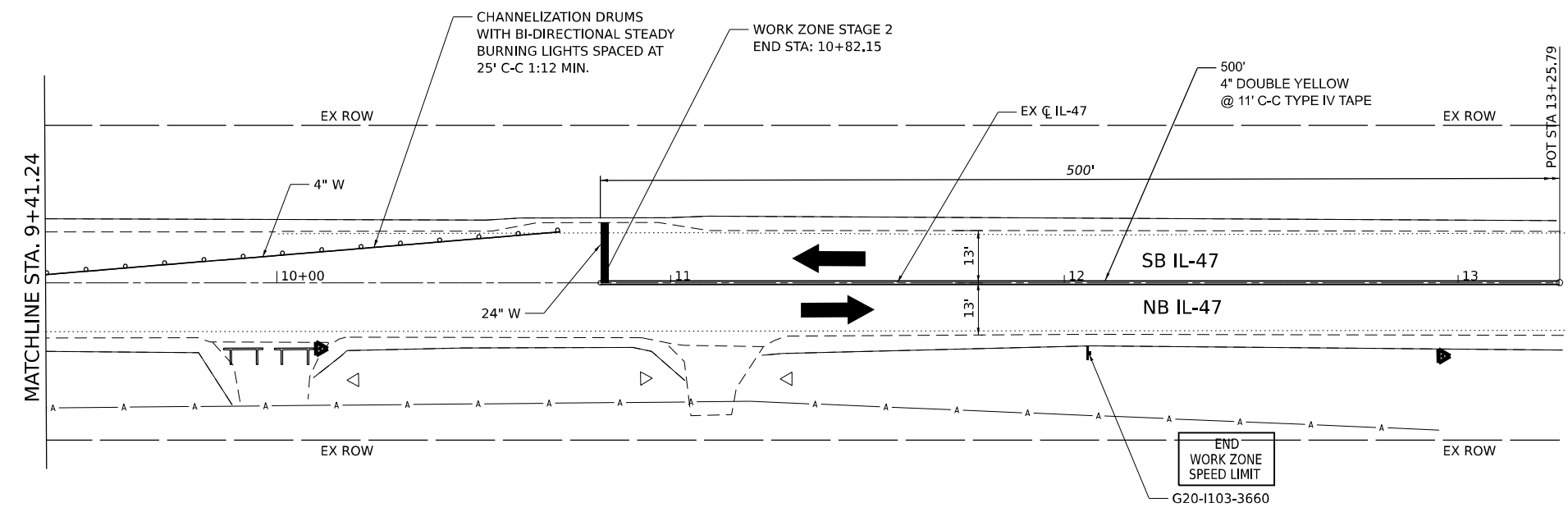
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

MAINTENANCE OF TRAFFIC - STAGE 2				
IL-47				
SCALE:	SHEET	OF	SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0326	FAP 032622 BJ	McHENRY	75	26
CONTRACT NO. 62T01			ILLINOIS FED. AID PROJECT	



ADVANCE SIGNING FOR NB IL-47
(SPACING MAY VARY DUE TO FIELD CONDITIONS)



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LEGEND	
	CONSTRUCTION WORK ZONE
	CONSTRUCTION WORK ZONE CONTD FROM PREVIOUS STAGE
	PR PVMT CONSTRUCTED IN PREVIOUS STAGE
	PR PVMT CONSTRUCTED TEMP CONCRETE BARRIER
	PVMT CONSTRUCTED IN PREVIOUS STAGE
	ARROW BOARD
	TYPE III BARRICADE WITH STEADY BURNING LIGHTS
	TYPE II BARRICADE OR DRUM W STEADY BURNING LIGHT
	DIRECTIONAL INDICATOR BARRICADE W/ STEADY BURN MONODIRECTIONAL LIGHT
	PCMS BOARD
	CONSTRUCTION SIGN
	DIRECTION OF TRAFFIC
	IMPACT ATTENUATOR

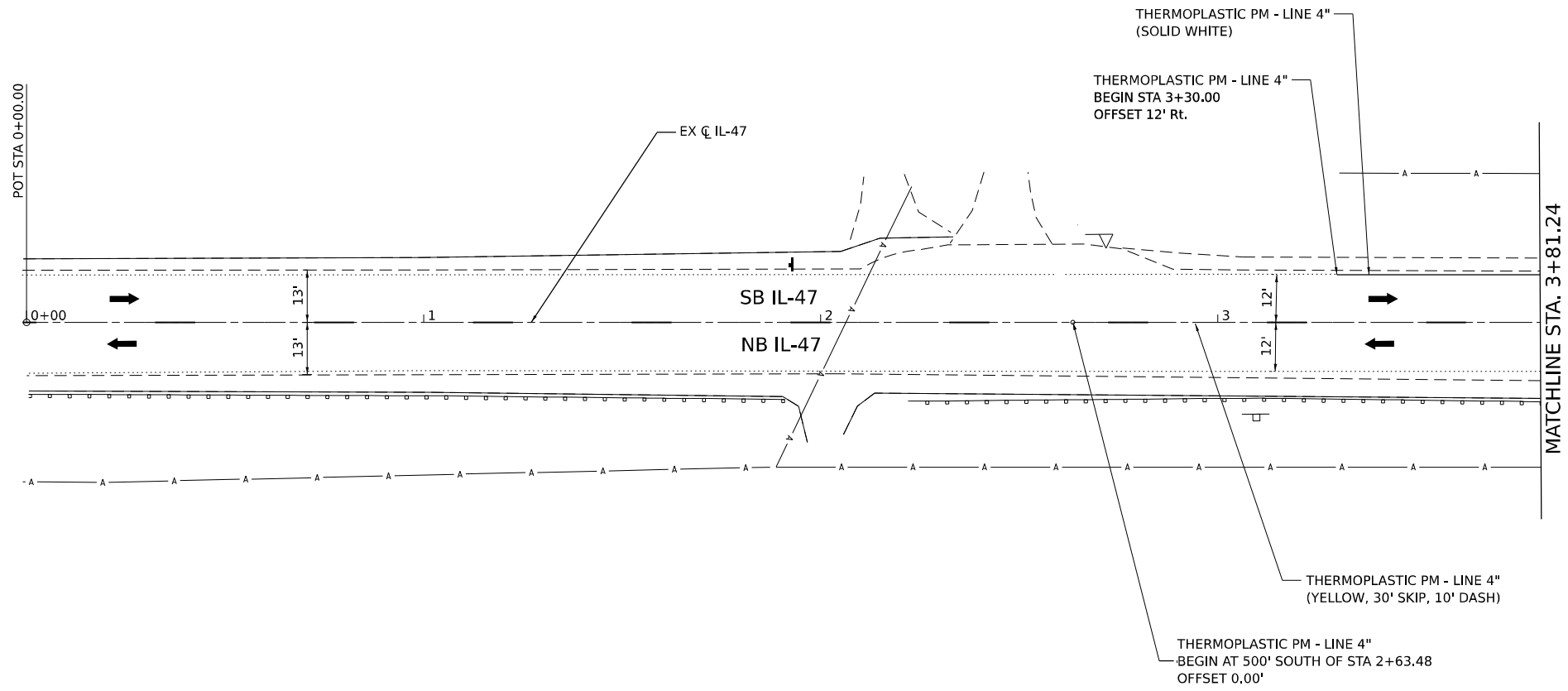
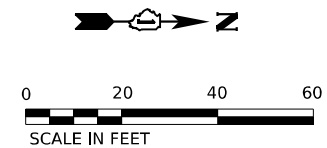
NOTES:
 THE CONTRACTOR SHALL APPLY PROTECTIVE COAT TO THE BRIDGE DECK AFTER IT HAS BEEN DIAMOND GRINDED AND GROOVED. PER ARTICLE 503.19, PROTECTIVE COAT CANNOT BE APPLIED UNTIL THE CONCRETE IS AT LEAST 14 DAYS OLD.

	USER NAME = WangS	DESIGNED -	REVISED -
	30 N. LASALLE STREET SUITE 4200 CHICAGO, IL 60602 TEL: (312) 782-8150 FAX: (312) 782-1884	DRAWN -	REVISED -
	PLOT SCALE = 40,000' / in.	CHECKED -	REVISED -
	PLOT DATE = 5/10/2023	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

MAINTENANCE OF TRAFFIC – STAGE 2				
IL-47				
SCALE:	SHEET	OF	SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0326	FAP 032622 BJ	McHENRY	75	27
CONTRACT NO. 62T01			ILLINOIS FED. AID PROJECT	



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WSP USA Inc.
 30 N. LASALLE STREET
 SUITE 4200
 CHICAGO, IL 60602
 TEL: (312) 782-8150
 FAX: (312) 782-1684

USER NAME	= USHA669697
PLOT SCALE	= 40,000' / in.
PLOT DATE	= 5/3/2023

DESIGNED	-
DRAWN	-
CHECKED	-
DATE	05/05/2023

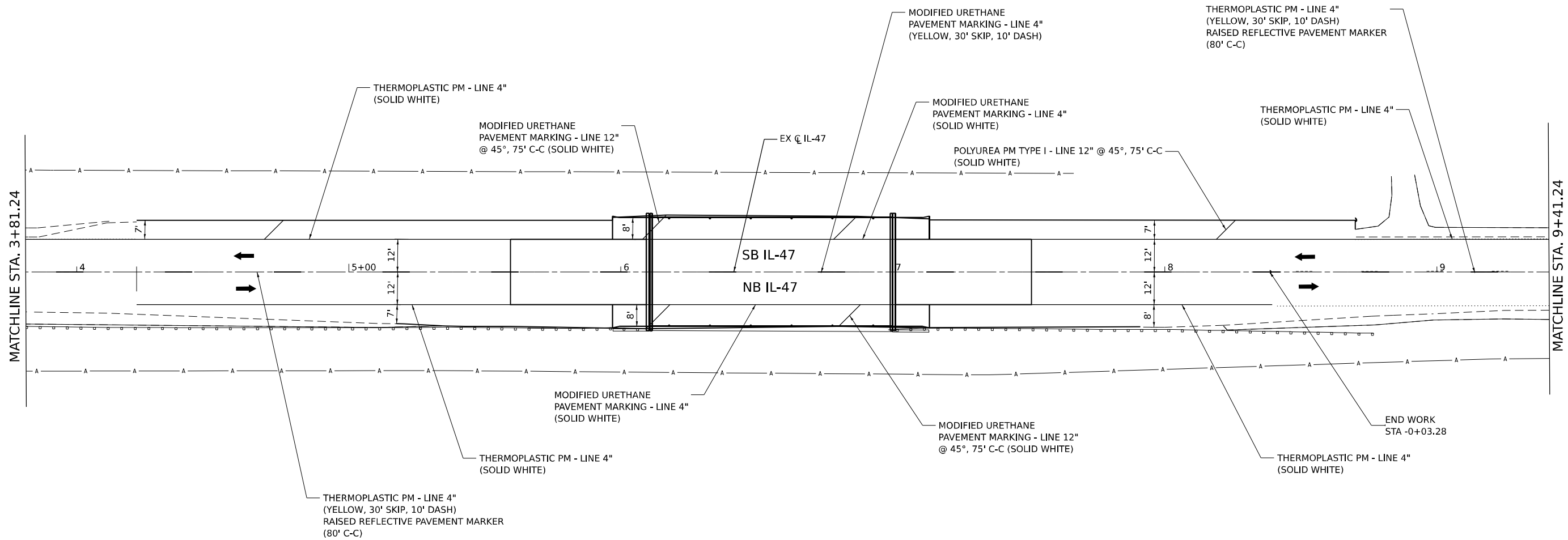
REVISED	-
REVISED	-
REVISED	-
REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING
IL 47

SCALE: N.T.S SHEET 1 OF 3 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0326	FAP 032622 BJ	McHENRY	75	28
CONTRACT NO. 62T01			ILLINOIS FED. AID PROJECT	



- NOTES:
1. NO RAISED REFLECTIVE PAVEMENT MARKER ON BRIDGE DECK
 2. PAVEMENT MARKING ON CONCRETE WILL BE MODIFIED URETHANE AND HMA WILL BE THERMOPLASTIC

MODEL: D:\p\h\...
 FILE NAME: L:\1762_07\CAD\Sheets\Signing\Marking\62T01_sht-Pavement Marking_0002.dgn



WSP USA Inc.
 30 N. LASALLE STREET
 SUITE 4200
 CHICAGO, IL 60602
 TEL: (312) 782-8150
 FAX: (312) 782-1884

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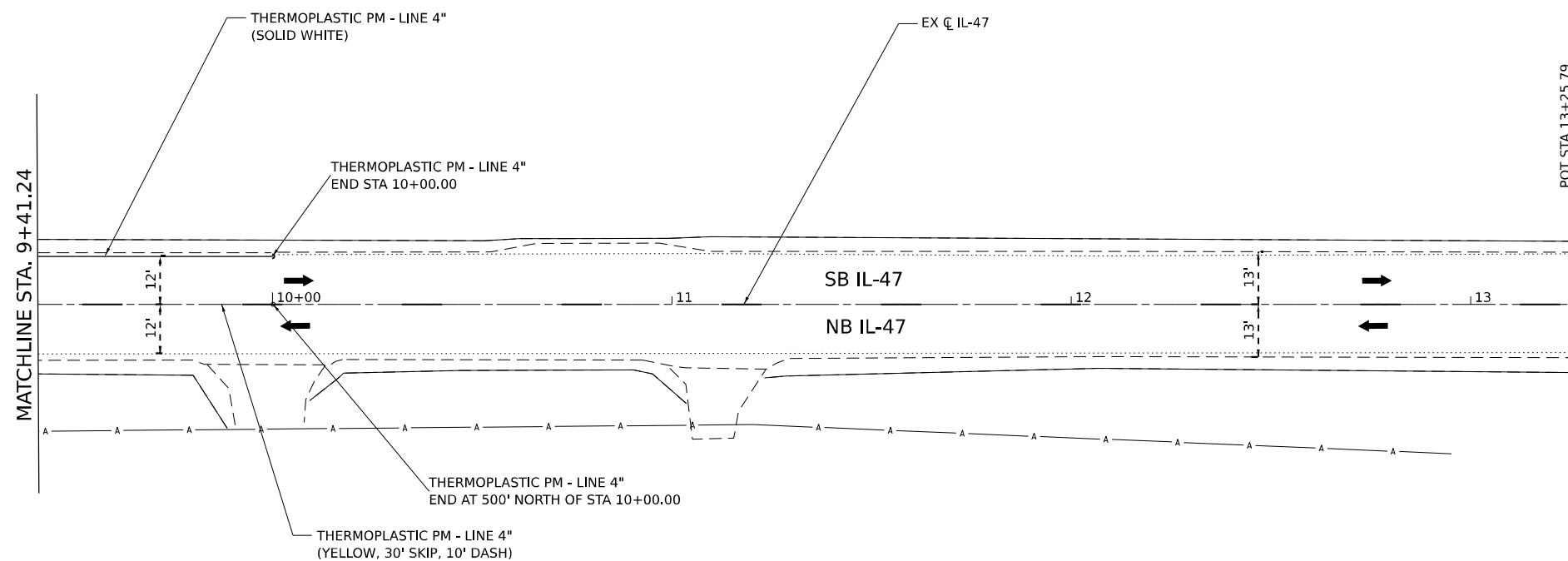
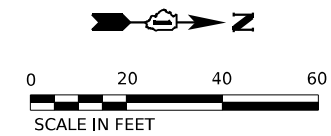
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING
IL 47

SCALE: N.T.S SHEET 2 OF 3 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0326	FAP 032622 BJ	McHENRY	75	29
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62T01	



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WSP USA Inc.
 30 N. LASALLE STREET
 SUITE 4200
 CHICAGO, IL 60602
 TEL: (312) 782-8150
 FAX: (312) 782-1884

USER NAME	= USHA669697
PLOT SCALE	= 40,000' / in.
PLOT DATE	= 5/3/2023

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DATE	05/05/2023

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING
IL 47

SCALE: N.T.S SHEET 3 OF 3 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0326	FAP 032622 BJ	McHENRY	75	30
CONTRACT NO. 62T01			ILLINOIS FED. AID PROJECT	

TRAFFIC SIGNAL LEGEND

(NOT TO SCALE)

ITEM	EXISTING	PROPOSED	ITEM	EXISTING	PROPOSED	ITEM	EXISTING	PROPOSED
CONTROLLER CABINET			HANDHOLE -SQUARE -ROUND	 	 	SIGNAL HEAD -(P) PROGRAMMABLE SIGNAL HEAD		
COMMUNICATION CABINET			HEAVY DUTY HANDHOLE -SQUARE -ROUND	 	 	SIGNAL HEAD WITH BACKPLATE -(P) PROGRAMMABLE SIGNAL HEAD -(RB) RETROREFLECTIVE BACKPLATE		
MASTER CONTROLLER			DOUBLE HANDHOLE			PEDESTRIAN SIGNAL HEAD AT RAILROAD INTERSECTIONS		
MASTER MASTER CONTROLLER			JUNCTION BOX			PEDESTRIAN SIGNAL HEAD WITH COUNTDOWN TIMER		
UNINTERRUPTABLE POWER SUPPLY			RAILROAD CANTILEVER MAST ARM			ILLUMINATED SIGN "NO LEFT TURN"/"NO RIGHT TURN"		
SERVICE INSTALLATION -(P) POLE MOUNTED			RAILROAD FLASHING SIGNAL			NUMBER OF CONDUCTORS, ELECTRIC CABLE NO. 14, UNLESS NOTED OTHERWISE. ALL DETECTOR LOOP CABLE TO BE SHIELDED		
SERVICE INSTALLATION -(G) GROUND MOUNTED -(GM) GROUND MOUNTED METERED			RAILROAD CROSSING GATE			GROUND CABLE IN CONDUIT, NO. 6 SOLID COPPER (GREEN)		
TELEPHONE CONNECTION			RAILROAD CROSSBUCK			ELECTRIC CABLE IN CONDUIT, TRACER NO. 14 1/C		
STEEL MAST ARM ASSEMBLY AND POLE			RAILROAD CONTROLLER CABINET			COAXIAL CABLE		
ALUMINUM MAST ARM ASSEMBLY AND POLE			UNDERGROUND CONDUIT (UC), GALVANIZED STEEL			VENDOR CABLE		
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE			TEMPORARY SPAN WIRE, TETHER WIRE, AND CABLE			COPPER INTERCONNECT CABLE, NO. 18, 3 PAIR TWISTED, SHIELDED		
SIGNAL POST -(BM) BARREL MOUNTED - TEMPORARY			SYSTEM ITEM			FIBER OPTIC CABLE -NO. 62.5/125, MM12F -NO. 62.5/125, MM12F SM12F -NO. 62.5/125, MM12F SM24F		
WOOD POLE			INTERSECTION ITEM			GROUND ROD -(C) CONTROLLER -(M) MAST ARM -(P) POST -(S) SERVICE		
GUY WIRE			REMOVE ITEM			DETECTOR LOOP, TYPE I		
SIGNAL HEAD			RELOCATE ITEM			PREFORMED DETECTOR LOOP		
SIGNAL HEAD WITH BACKPLATE			ABANDON ITEM			SAMPLING (SYSTEM) DETECTOR		
SIGNAL HEAD OPTICALLY PROGRAMMED			CONTROLLER CABINET AND FOUNDATION TO BE REMOVED			INTERSECTION AND SAMPLING (SYSTEM) DETECTOR		
FLASHER INSTALLATION -(FS) SOLAR POWERED			MAST ARM POLE AND FOUNDATION TO BE REMOVED			QUEUE AND SAMPLING (SYSTEM) DETECTOR		
PEDESTRIAN SIGNAL HEAD			SIGNAL POST AND FOUNDATION TO BE REMOVED			WIRELESS DETECTOR SENSOR		
PEDESTRIAN PUSH BUTTON -(APS) ACCESSIBLE PEDESTRIAN PUSH BUTTON			DETECTOR LOOP, TYPE I			WIRELESS ACCESS POINT		
RADAR DETECTION SENSOR			PREFORMED DETECTOR LOOP					
VIDEO DETECTION CAMERA			SAMPLING (SYSTEM) DETECTOR					
RADAR/VIDEO DETECTION ZONE			INTERSECTION AND SAMPLING (SYSTEM) DETECTOR					
PAN, TILT, ZOOM (PTZ) CAMERA			QUEUE AND SAMPLING (SYSTEM) DETECTOR					
EMERGENCY VEHICLE LIGHT DETECTOR			WIRELESS DETECTOR SENSOR					
CONFIRMATION BEACON			WIRELESS ACCESS POINT					
WIRELESS INTERCONNECT								
WIRELESS INTERCONNECT RADIO REPEATER								

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

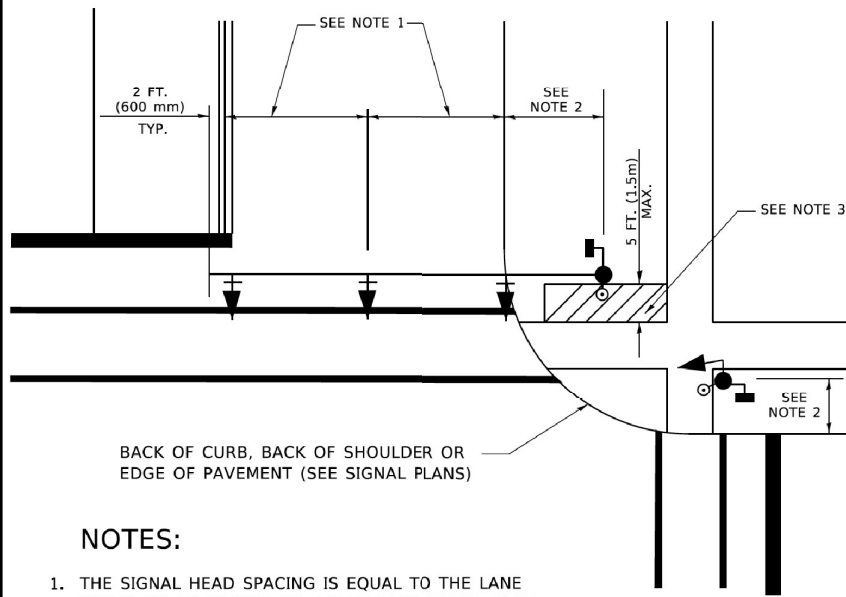
DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NONE SHEET 1 OF 7 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	FAP 0326 22 BJ	McHENRY	75	31
TS-05		CONTRACT NO. 62T01		
ILLINOIS FED. AID PROJECT				

TRAFFIC SIGNAL MAST ARM AND SIGNAL POST

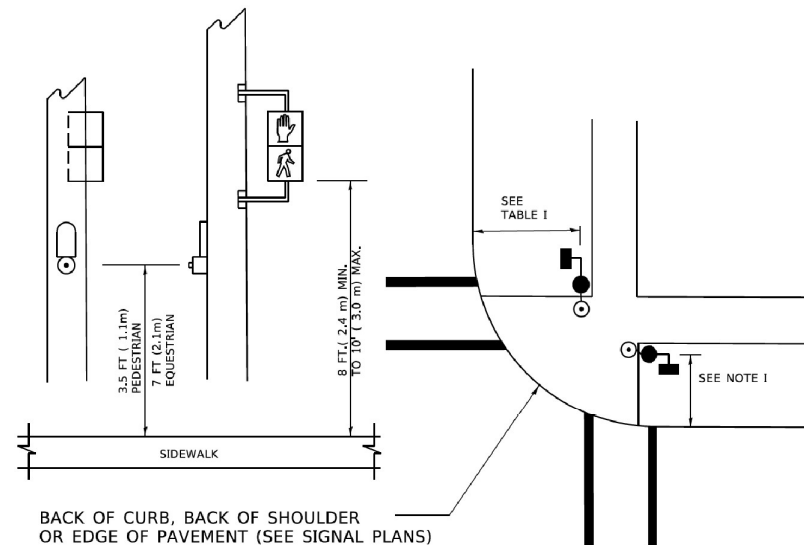
MAST ARM MOUNTED SIGNALS IN EXISTING, PROPOSED OR FUTURE SIDEWALK/BICYCLE PATH AREA. INTERSECTION SHOWN WITH PEDESTRIAN SIGNALS AND PEDESTRIAN PUSHBUTTON DETECTORS.



NOTES:

1. THE SIGNAL HEAD SPACING IS EQUAL TO THE LANE WIDTH OR AS SHOWN ON THE TRAFFIC SIGNAL PLAN.
2. REFER TO THE TRAFFIC SIGNAL EQUIPMENT OFFSET TABLE.
3. PROVIDE A LEVEL ALL-WEATHER SURFACE (CONCRETE SIDEWALK, ASPHALT BICYCLE PATH SURFACE OR MATCHING MATERIAL TO THE ADJACENT SURFACE) UP TO THE MAST ARM SHAFT OR THE SIGNAL POST.
4. THE FACE OF THE PEDESTRIAN PUSHBUTTON SHALL BE PARALLEL TO THE CROSSWALK TO BE USED.
5. THE LOCATIONS AND INSTALLATION OF PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS SHALL MEET THE REQUIREMENTS OF THE MUTCD AND INFORMATION FOUND IN THE "AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES."

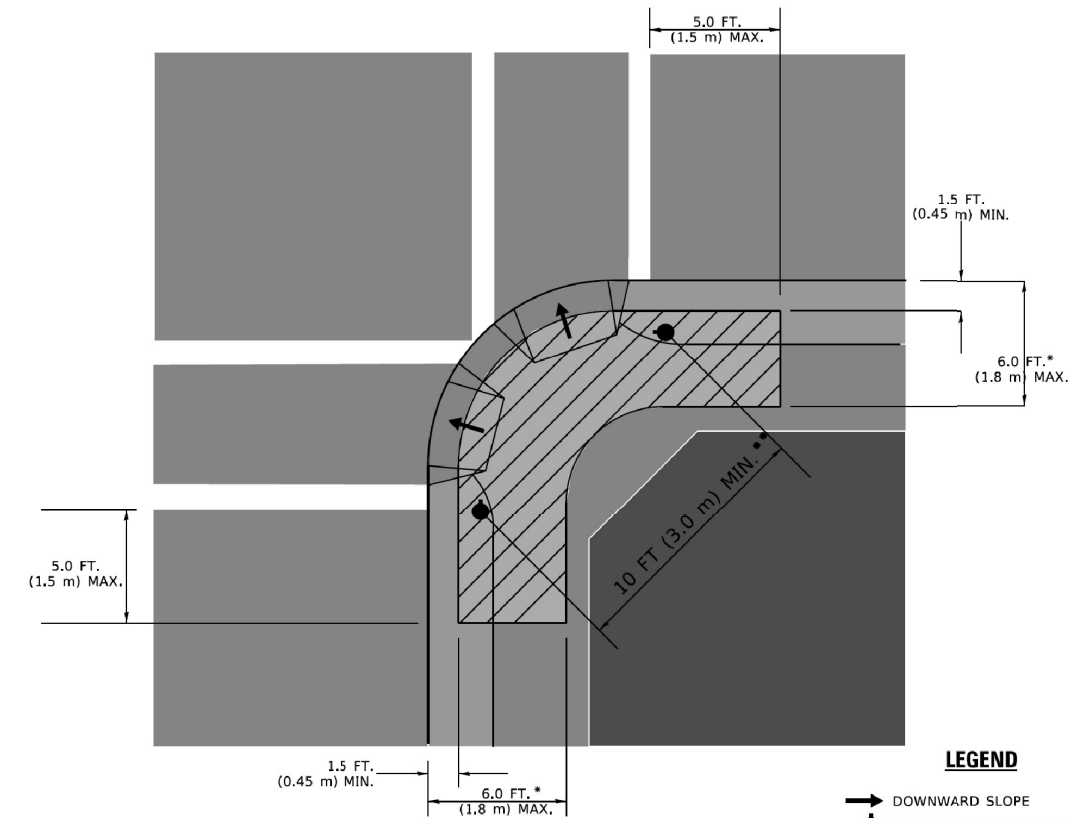
PEDESTRIAN SIGNAL POST AND PEDESTRIAN PUSH BUTTON POST



NOTES:

1. REFER TO THE TRAFFIC SIGNAL EQUIPMENT OFFSET TABLE.
2. PROVIDE A LEVEL ALL-WEATHER SURFACE (CONCRETE SIDEWALK, ASPHALT BICYCLE PATH SURFACE OR MATCHING MATERIAL TO THE ADJACENT SURFACE) UP TO THE PEDESTRIAN SIGNAL POST OR THE PEDESTRIAN PUSH BUTTON POST.
3. THE FACE OF THE PEDESTRIAN PUSHBUTTON SHALL BE PARALLEL TO THE CROSSWALK TO BE USED.
4. THE LOCATIONS AND INSTALLATION OF PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS SHALL MEET THE REQUIREMENTS OF THE MUTCD AND INFORMATION FOUND IN THE "AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES."

RECOMMENDED PUSHBUTTON LOCATIONS



LEGEND

- DOWNWARD SLOPE
- PEDESTRIAN PUSHBUTTON
- ▨ RECOMMENDED PUSHBUTTON LOCATIONS

- * WHERE THERE ARE CONSTRAINTS THAT MAKE IT IMPRACTICAL TO PLACE THE PEDESTRIAN PUSHBUTTON BETWEEN 1.5 FT (0.45 m) AND 6 FT (1.8 m) FROM THE EDGE OF THE CURB, SHOULDER, OR PAVEMENT, IT SHOULD NOT BE FURTHER THAN 10 FT (3 m) FROM THE EDGE OF CURB, SHOULDER, OR PAVEMENT.
- ** WHERE THERE ARE CONSTRAINTS ON A PARTICULAR CORNER THAT MAKE IT IMPRACTICAL TO PROVIDE THE 10 FT (3 m) SEPERATION BETWEEN THE TWO PEDESTRIAN PUSHBUTTONS, THE PUSHBUTTONS MAY BE PLACED CLOSER TOGETHER OR ON THE SAME POLE.

NOTES:

1. PEDESTRIAN SIGNAL HEADS SHALL BE MOUNTED WITH THE BOTTOM OF THE SIGNAL HOUSING INCLUDING BRACKETS NOT LESS THAN 8 FT (2.4 m) OR MORE THAN 10 FT (3 m) ABOVE SIDEWALK LEVEL, AND SHALL BE POSITIONED AND ADJUSTED TO PROVIDE MAXIMUM VISIBILITY AT THE BEGINNING OF THE CONTROLLED CROSSWALK.
2. THE BOTTOM OF THE SIGNAL HOUSING (INCLUDING BRACKETS) OF A VEHICULAR SIGNAL FACE THAT IS NOT LOCATED OVER A HIGHWAY SHALL BE AT LEAST 8 FT (2.4 m) BUT NOT MORE THAN 19 FT (5.8 m) ABOVE THE SIDEWALK OR, IF THERE IS NO SIDEWALK, ABOVE THE PAVEMENT GRADE AT THE CENTER OF THE ROADWAY.
3. THE BOTTOM OF THE SIGNAL HOUSING AND ANY RELATED ATTACHMENTS TO A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL BE ACCORDING TO CURRENT STATE STANDARDS 877001, 877002, 877006, 877011 AND 877012 WITH A MINIMUM OF 16 FT (5.0 m) AND A MAXIMUM OF 18 FT. (5.5 m) FROM THE HIGHEST POINT OF PAVEMENT.
4. THE BOTTOM OF THE TEMPORARY SPAN WIRE MOUNTED SIGNAL HOUSING AND ANY RELATED ATTACHMENTS TO A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL BE ACCORDING TO CURRENT STATE STANDARD 880001 WITH A MINIMUM OF 17 FT (5.18 m) FROM THE HIGHEST POINT OF PAVEMENT.
5. THE TOP OF THE SIGNAL HOUSING OF A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL NOT BE MORE THAN 25.6 FT (7.8 m) ABOVE THE PAVEMENT.

TRAFFIC SIGNAL EQUIPMENT OFFSET

TRAFFIC SIGNAL EQUIPMENT	COMBINATION CONCRETE CURB AND GUTTER (MINIMUM DISTANCE FROM BACK OF CURB TO CENTERLINE OF FOUNDATION)	SHOULDER/NON-CURBED AREA (MINIMUM DISTANCE FROM EDGE OF PAVEMENT TO CENTERLINE OF FOUNDATION)
TRAFFIC SIGNAL MAST ARM POLE	6 FT (1.8m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
TRAFFIC SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
PEDESTRIAN SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
PEDESTRIAN PUSHBUTTON POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
TEMPORARY WOOD POLE	6 FT (1.8m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
CONTROLLER CABINET	6 FT (1.8m) MINIMUM DISTANCE SEE NOTE 2	SHOULDER WIDTH + 6 FT (1.8m), MINIMUM 16 FT (4.9m) SEE NOTE 3.
SERVICE INSTALLATION, GROUND MOUNT	6 FT (1.8m) MINIMUM DISTANCE SEE NOTE 2	SHOULDER WIDTH + 6 FT (1.8m), MINIMUM 16 FT (4.9m) SEE NOTE 3.

NOTES:

1. CONTACT THE "AREA TRAFFIC SIGNAL MAINTENANCE AND OPERATIONS ENGINEER" FOR ASSISTANCE IN LOCATING THE TRAFFIC SIGNAL EQUIPMENT WHEN THERE ARE CONFLICTS WITH DITCHES OR THE MINIMUM OFFSET DISTANCES CANNOT BE MET.
2. MINIMUM DISTANCE FROM THE BACK OF CURB TO THE ROADWAY SIDE OF THE FOUNDATION.
3. MINIMUM DISTANCE FROM THE EDGE OF PAVEMENT TO THE ROADWAY SIDE OF THE FOUNDATION.
4. ANY CHANGES TO THE OFFSETS OF THE FOUNDATIONS, FROM THE MINIMUM DISTANCES LISTED IN THE "TRAFFIC SIGNAL EQUIPMENT OFFSET" CHART AND THE TRAFFIC SIGNAL INSTALLATION PLAN, COULD EFFECT THE PLACEMENT OF THE SIGNAL HEADS, PEDESTRIAN SIGNAL HEADS AND THE PEDESTRIAN PUSHBUTTONS. THE SIGNAL HEAD PLACEMENT ON THE MAST ARMS SHALL REMAIN AS PER THE TRAFFIC SIGNAL INSTALLATION PLAN AND THE "TRAFFIC SIGNAL MAST ARM AND SIGNAL POST" DETAIL ABOVE. THE PROPOSED MAST ARM LENGTHS MAY NEED TO BE REVISED TO MEET THE ABOVE REQUIREMENTS. THE PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS MUST MEET THE REQUIREMENTS UNDER THE DETAILS ON THIS SHEET.

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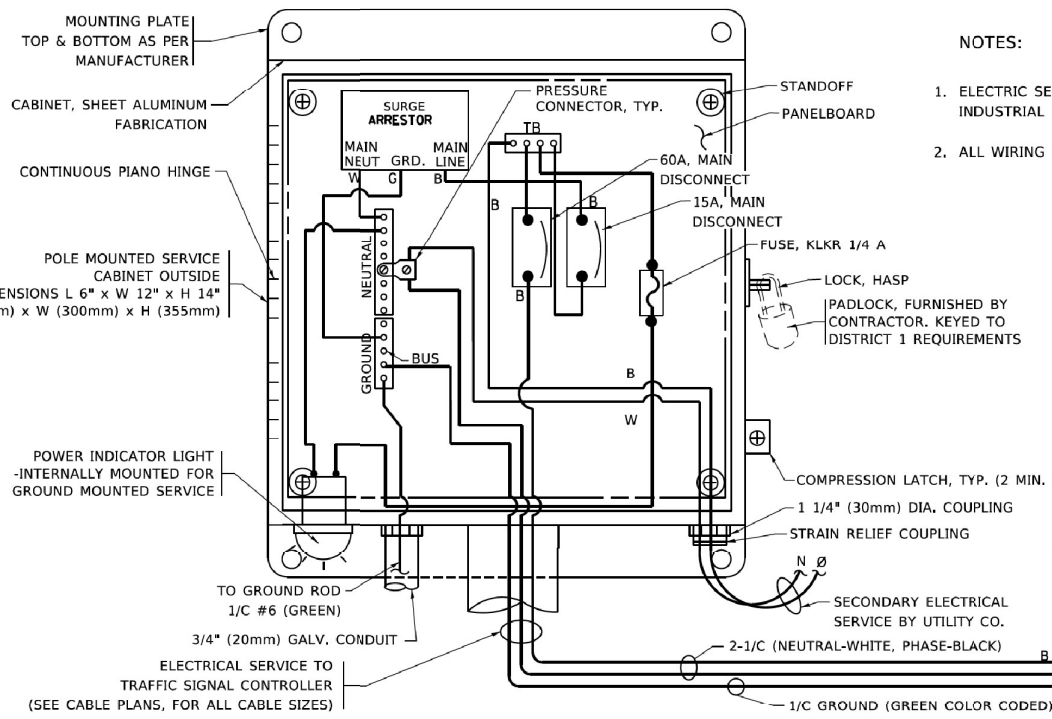
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

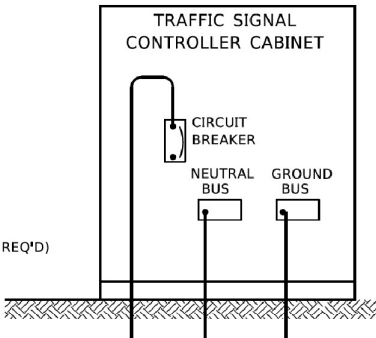
**DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

SCALE: NONE SHEET 3 OF 7 SHEETS STA. TO STA.

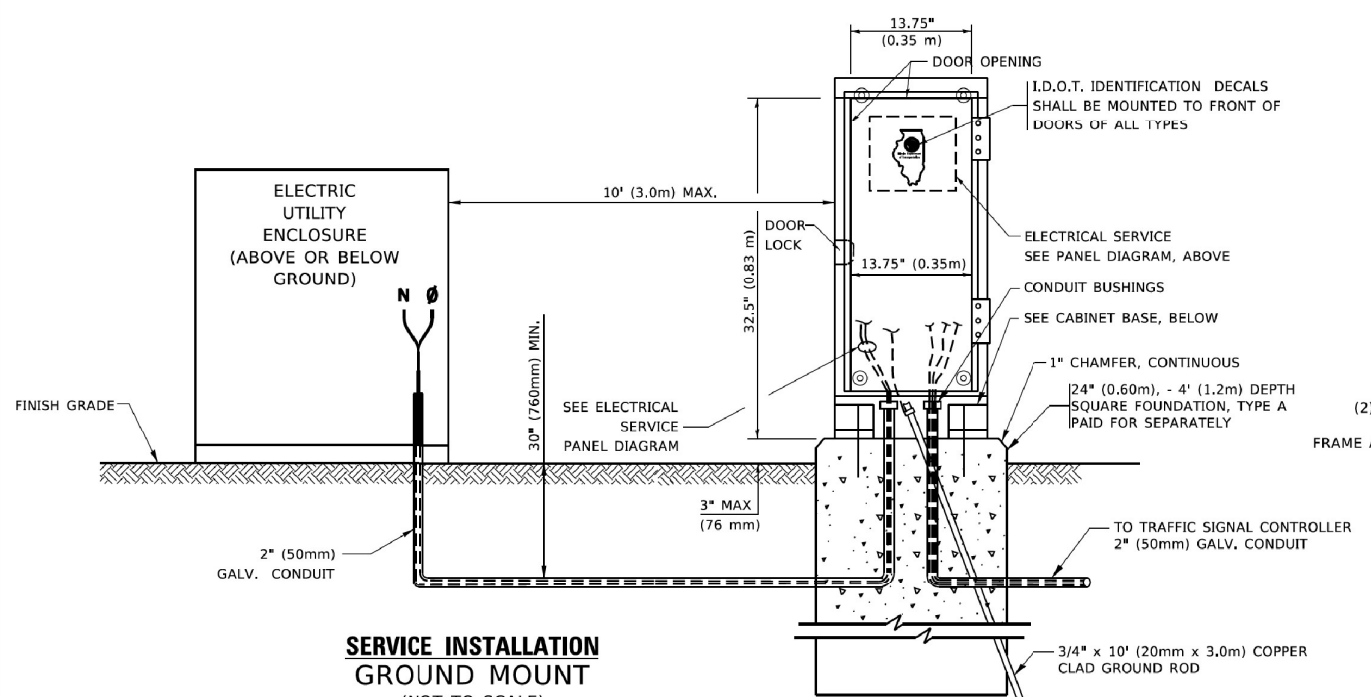
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	FAP 0326 22 BJ	McHENRY	75	32
TS-05		CONTRACT NO. 62T01		
ILLINOIS FED. AID PROJECT				



- NOTES:
1. ELECTRIC SERVICE PANELS SHALL BE CONSTRUCTED TO U.L. STD 508, INDUSTRIAL CONTROL PANEL, AND CARRY THE U.L. LABEL.
 2. ALL WIRING SHALL BE NEATLY DRESSED AND SUPPORTED.

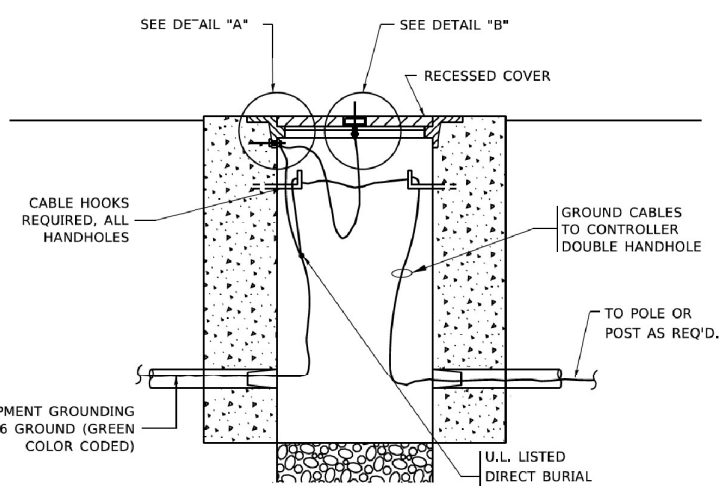
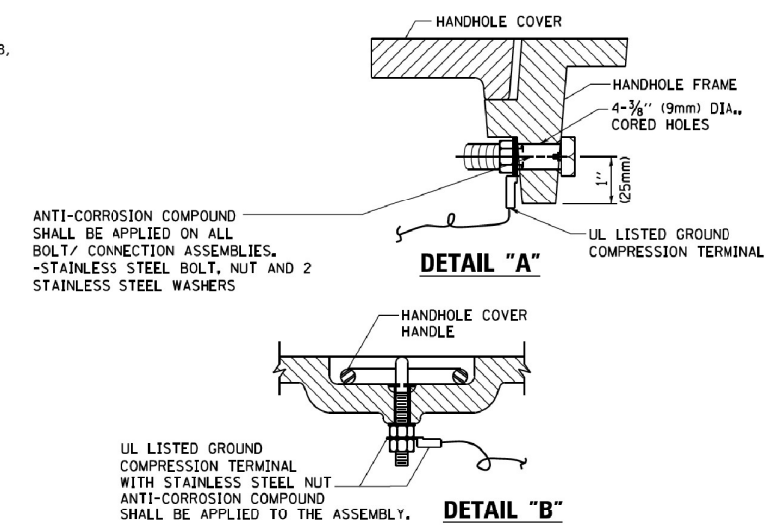
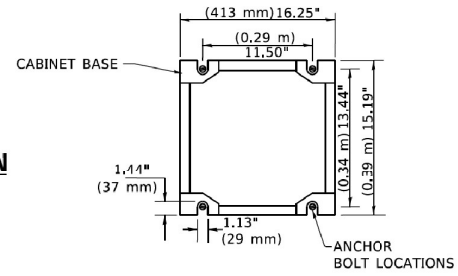


ELECTRICAL SERVICE – PANEL DIAGRAM (TYPICAL FOR POLE AND GROUND MOUNTED SERVICE)
SERVICE INSTALLATION POLE MOUNT (SHOWN)
 (NOT TO SCALE)

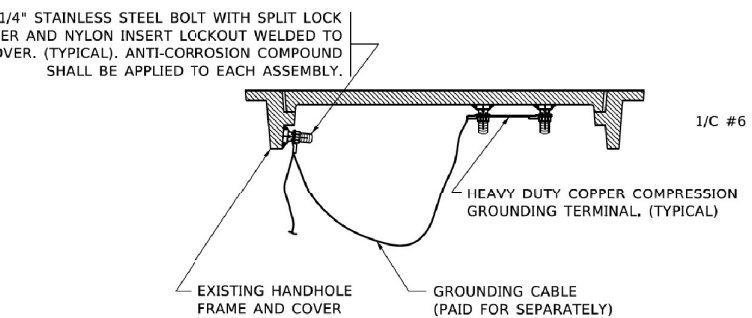


SERVICE INSTALLATION GROUND MOUNT
 (NOT TO SCALE)

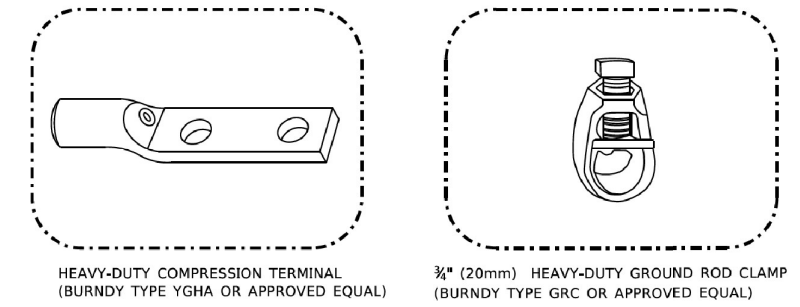
CABINET – BASE BOLT PATTERN
 (NOT TO SCALE)



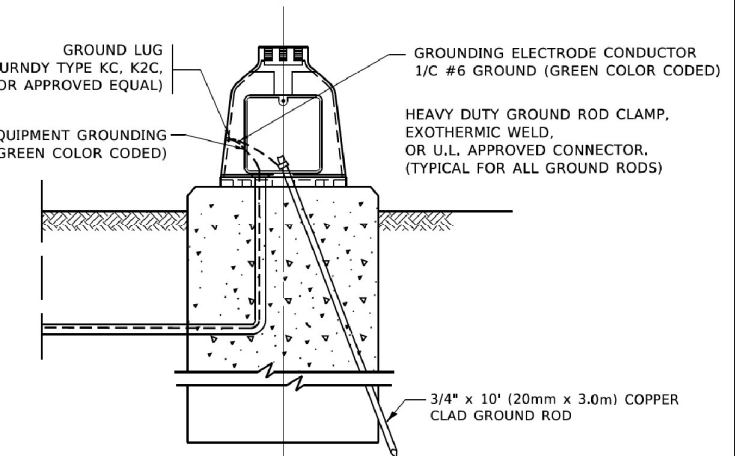
HANDHOLE COVER & FRAME – GROUNDING DETAIL
 (NOT TO SCALE)



EXISTING HANDHOLE COVER & FRAME – GROUNDING DETAIL
 (NOT TO SCALE)



- NOTES:
- ALL CLAMPS SHALL BE BRONZE OR COPPER, UL APPROVED.
 - GROUND CABLE SHALL BE LOOPED OVER HOOKS IN THE HANDHOLES
 - 6.5' (2.0m) SLACK SHALL BE PROVIDED IN SINGLE HANDHOLES
 - 13' (4.0m) OF SLACK SHALL BE PROVIDED IN DOUBLE HANDHOLES.
 - 5' (1.4m) OF SLACK SHALL BE PROVIDED BETWEEN FRAME AND COVER.



MAST ARM POLE /POST-GROUNDING DETAIL
 (NOT TO SCALE)

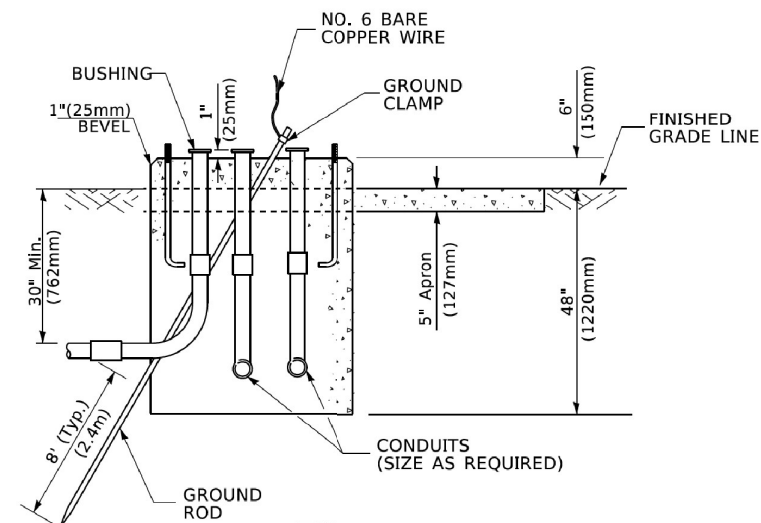
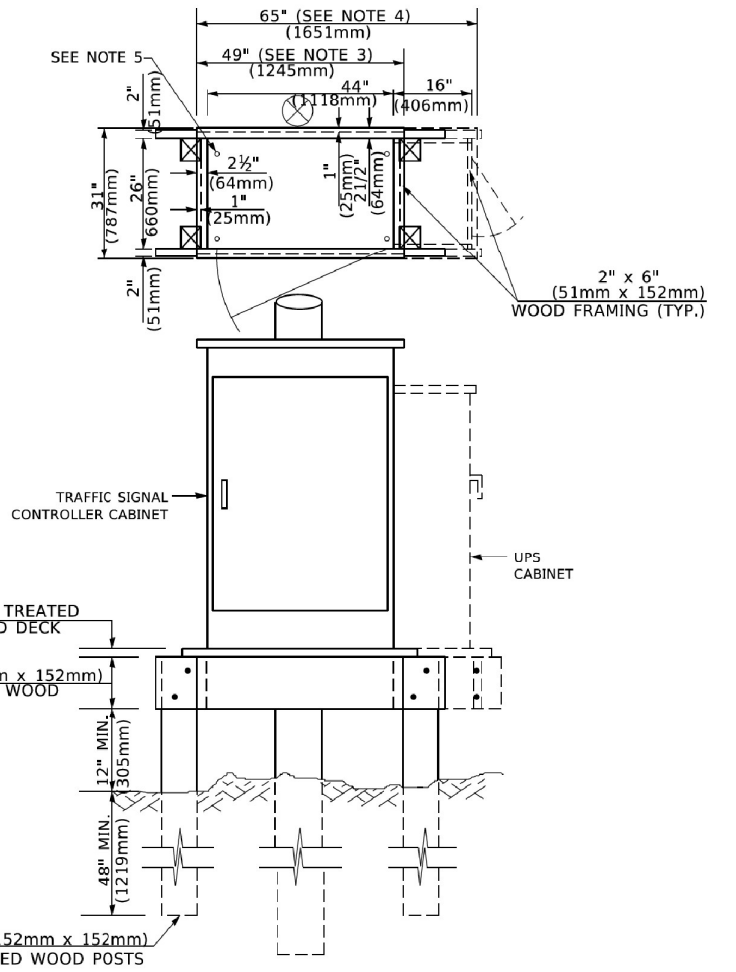
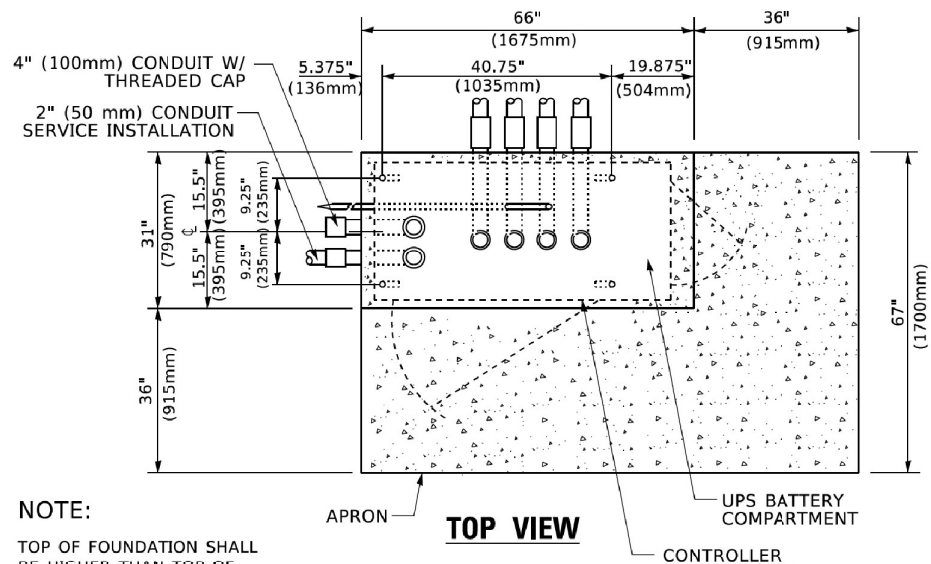
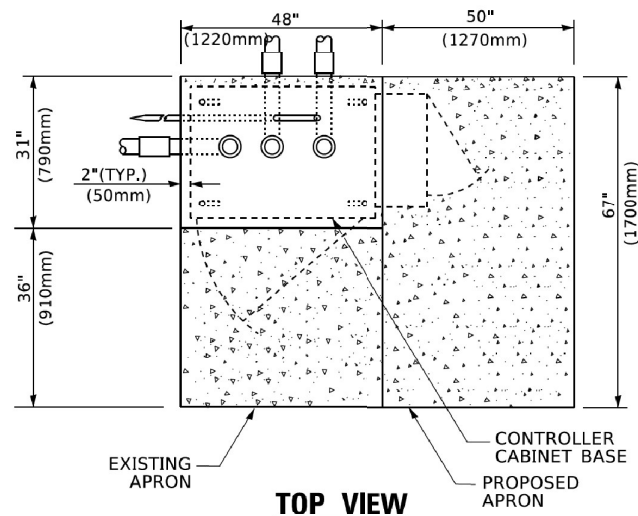
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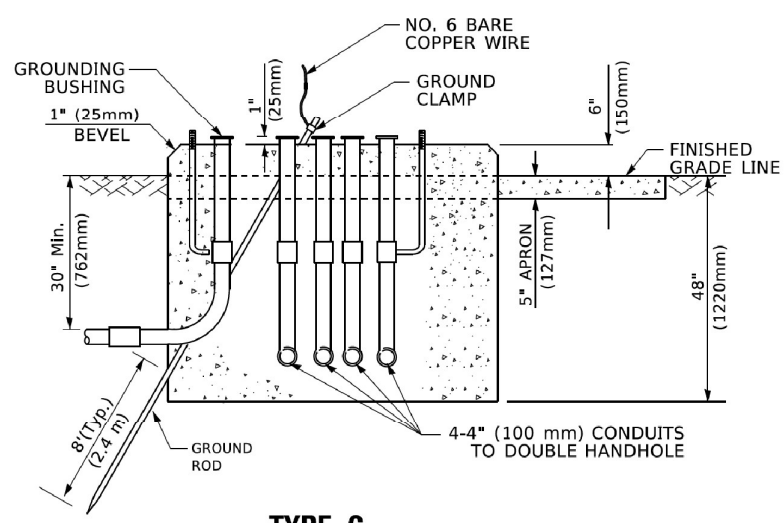
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE			
STANDARD TRAFFIC SIGNAL DESIGN DETAILS			
SCALE: NONE	SHEET 4	OF 7 SHEETS	STA. TO STA.

F.A.P. RTE. 326	SECTION FAP 0326 22 BJ	COUNTY McHENRY	TOTAL SHEETS 75	SHEET NO. 33
TS-05			CONTRACT NO. 62T01	
ILLINOIS FED. AID PROJECT				



**TYPE D
FOR GROUND MOUNTED
CONTROLLER CABINET
AND UPS BATTERY CABINET**



**TYPE C
FOR GROUND MOUNTED
SUPER P (TYPE IV) AND SUPER R (TYPE V)
CONTROLLER CABINETS**

- NOTES:**
- BASED ON CONTROLLER CABINET TYPE IV WITH BASE DIMENSIONS OF 26" x 44" (660mm x 1118mm). ADJUST PLATFORM SIZE TO FIT CABINET BASE DIMENSIONS BEING SUPPLIED.
 - BASED ON UNINTERRUPTIBLE POWER SUPPLY CABINET WITH BASE DIMENSIONS OF 16" x 25" (406mm x 635mm). ADJUST PLATFORM SIZE TO FIT CABINET BASE DIMENSIONS BEING SUPPLIED.
 - PLATFORM SIZE FOR CONTROLLER CABINET TYPE IV.
 - PLATFORM SIZE FOR CONTROLLER CABINET TYPE IV AND UNINTERRUPTIBLE POWER SUPPLY CABINET.
 - DRILLED HOLES THROUGH THE PLATFORM BASE TO MATCH THE CONTROLLER CABINET BOLT TEMPLATE. FASTEN THE CONTROLLER CABINET TO THE PLATFORM WITH CARRIAGE BOLTS, WASHERS AND NUTS.
 - FASTEN ALL SUPPORT WOOD FRAMING TO THE WOOD POSTS WITH 2 LAG SCREWS FOR EACH CONNECTION.

**TEMPORARY SIGNAL CONTROLLER
WOOD SUPPORT PLATFORM**

CABLE SLACK LENGTH	FEET	METER
HANDHOLE	6.5	2.0
DOUBLE HANDHOLE	13.0	4.0
SIGNAL POST	2.0	0.6
MAST ARM	2.0	0.6
CONTROLLER CABINET	1.5	0.5
FIBER OPTIC AT CABINET	13.0	4.0
ELECTRIC SERVICE AT (CABINET OR SERVICE LOCATION)	1.5	0.5
GROUND CABLE (SIGNAL POST, MAST ARM, CABINET)	1.5	0.5
GROUND CABLE (BETWEEN FRAME AND COVER)	5.0	1.6

CABLE SLACK

VERTICAL CABLE LENGTH	FEET	METER
MAST ARM POLE (MAST ARM MOUNTED SIGNAL HEAD) (L = MAST ARM LENGTH - DISTANCE TO SIGNAL HEAD FROM END OF ARM)	20.0+L	6.0+L
BRACKET MOUNTED (MAST ARM POLE OR SIGNAL POLE)	13.0	4.0
PEDESTRIAN PUSH BUTTON	6.0	2.0
SERVICE INSTALLATION POLE MOUNT TO SERVICE DROP	13.5	4.1
SERVICE INSTALLATION POLE MOUNT TO GROUND	13.5	4.1
SERVICE INSTALLATION GROUND MOUNT	6.0	2.0
FOUNDATION (SIGNAL POST, MAST ARM POLE, CONTROLLER CABINET, SERVICE-GROUND MOUNT)	3.0	1.0

VERTICAL CABLE LENGTH

FOUNDATION	DEPTH
TYPE A - Signal Post	4'-0" (1.2m)
TYPE C - CONTROLLER W/ UPS	4'-0" (1.2m)
TYPE D - CONTROLLER	4'-0" (1.2m)
SERVICE INSTALLATION, GROUND MOUNT, TYPE A - SQUARE	4'-0" (1.2m)

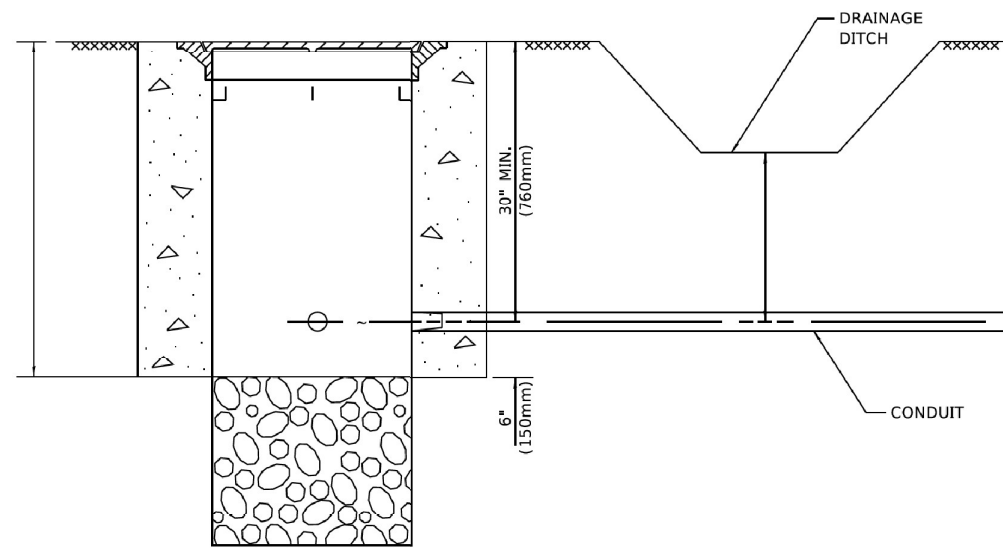
DEPTH OF FOUNDATION

MAST ARM LENGTH	FOUNDATION DEPTH	FOUNDATION DIAMETER	SPIRAL DIAMETER	QUANTITY OF REBARS	SIZE OF REBARS
Less than 30' (9.1 m)	10'-0" (3.0 m)	30" (750mm)	24" (600mm)	8	6(19)
Greater than or equal to 30' (9.1 m) and less than 40' (12.2 m)	13'-6" (4.1 m)	30" (750mm)	24" (600mm)	8	6(19)
Greater than or equal to 40' (12.2 m) and less than 50' (15.2 m)	11'-0" (3.4 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 50' (15.2 m) and up to 55' (16.8 m)	13'-0" (4.0 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 56' (16.8 m) and less than 65' (19.8 m)	15'-0" (4.6 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 65' (19.8 m) and less than 75' (22.9 m)	21'-0" (6.4 m)	42" (1060mm)	36" (900mm)	16	8(25)
Greater than or equal to 65' (19.8 m) and up to 75' (22.9 m)	25'-0" (7.6 m)	42" (1060mm)	36" (900mm)	16	8(25)

- NOTES:**
- These foundation depths are for sites which have cohesive soils (clayey silt, sandy clay, etc.) along the length of the shaft, with an average Unconfined Compressive Strength (Qu) > 1.0 tsf (100 kpa). This strength shall be verified by boring data prior to construction or with testing by the Engineer during foundation drilling. The Bureau of Bridges & Structures should be contacted for a revised design if other conditions are encountered.
 - Combination mast arm assemblies under 55 feet (16.8 m) shall use 36" (900 mm) diameter foundations.
 - Combination mast arm assemblies under 56 feet (16.8 m) through 75 feet (22.9 m) shall use 42" (1060 mm) diameter foundations.
 - For mast arm assemblies with dual arms refer to state standard 878001.

DEPTH OF MAST ARM FOUNDATIONS, TYPE E

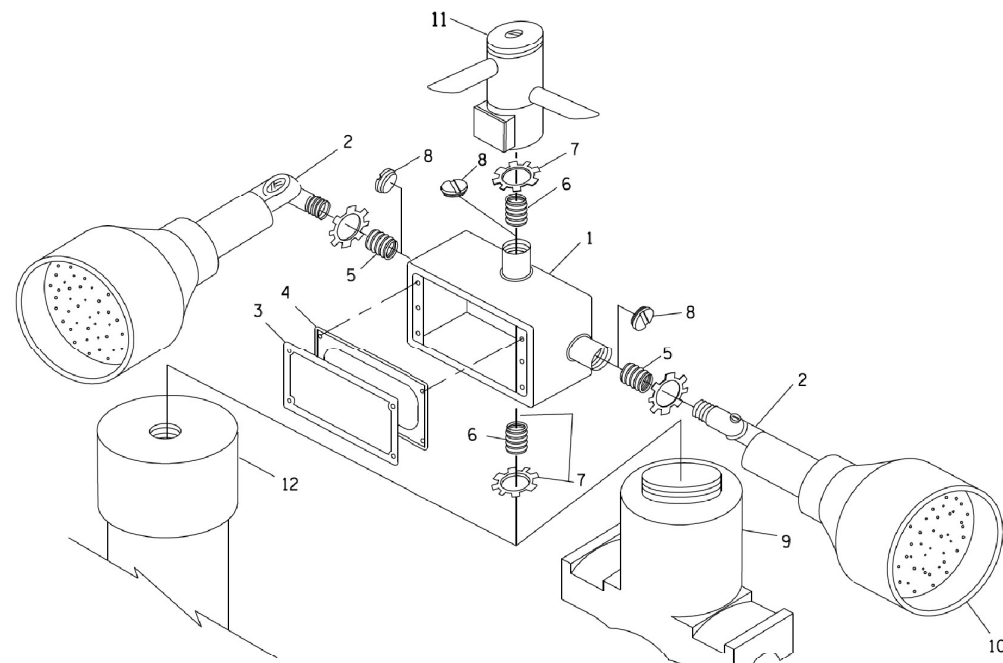
USER NAME = footemj PLOT SCALE = 50,0000' / in. PLOT DATE = 3/4/2019	DESIGNED - DRAWN - CHECKED - DATE -	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS	SCALE: NONE SHEET 5 OF 7 SHEETS STA. TO STA.	F.A.P. RTE. 326 SECTION FAP 0326 22 BJ COUNTY McHENRY TOTAL SHEETS 75 SHEET NO. 34 TS-05 CONTRACT NO. 62T01 ILLINOIS FED. AID PROJECT
--	--	--	---	--	--	--



NOTES:

1. CONDUIT DEPTH SHALL BE A MINIMUM OF 30" (760mm) BELOW THE BOTTOM OF THE DRAINAGE DITCH OR ANY SLOPING GROUND
2. THE MINIMUM CONDUIT DEPTH APPLIES TO ALL CONDUIT PLACED UNDER ROADWAY PAVEMENT, MULTI-USE PATHS, SIDEWALKS AND SOIL SURFACES.
3. THE MINIMUM CONDUIT DEPTH APPLIES TO ALL HANDHOLES, HEAVY DUTY HANDHOLES AND DOUBLE HANDHOLES.

HANDHOLE WITH MINIMUM CONDUIT DEPTH
(NOT TO SCALE)

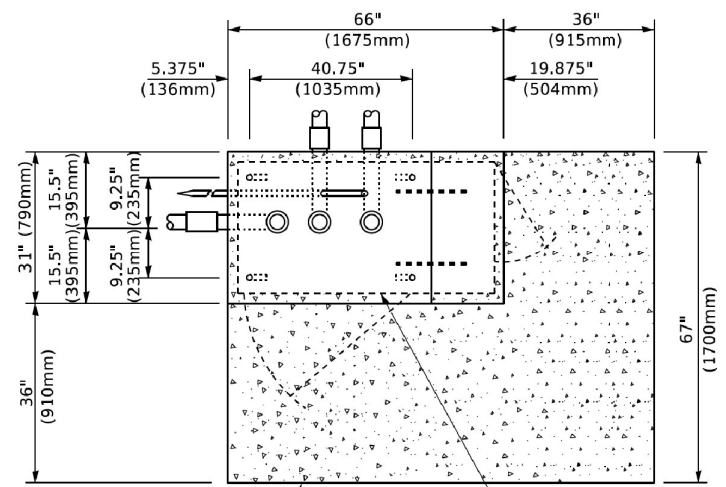


POST CAP MOUNT **MAST ARM MOUNT**
EMERGENCY VEHICLE DETECTOR WITH CONFIRMATION BEACON MOUNTING DETAIL

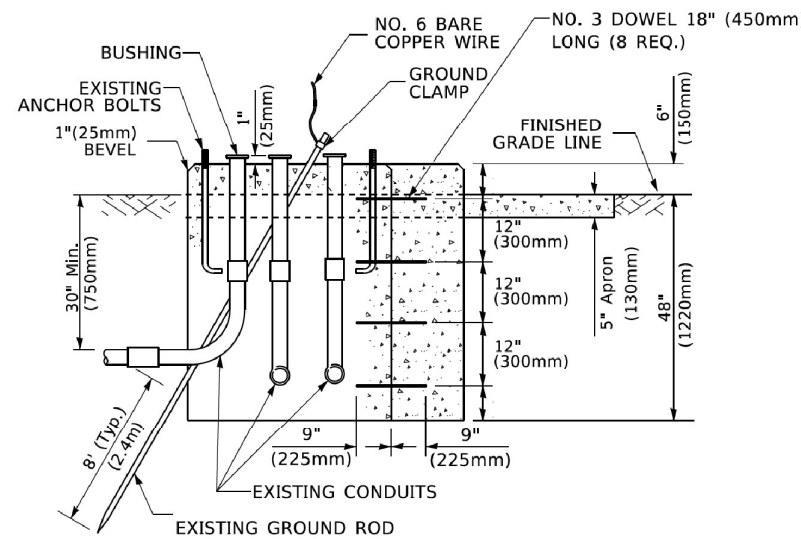
ITEM NO.	IDENTIFICATION
1	OUTLET BOX- GALV. 21 CU.IN. (0.000344 CU-M)
2	LAMP HOLDER AND COVER
3	OUTLET BOX COVER
4	RUBBER COVER GASKET
5	REDUCING BUSHING
6	3/4" (19 mm) CLOSE NIPPLE
7	3/4" (19 mm) LOCKNUT
8	3/4" (19 mm) HOLE PLUG
9	SADDLE BRACKET - GALV.
10	6 WATT PAR 38 LED FLOOD LAMP
11	DETECTOR UNIT
12	POST CAP [18 FT. (5.4 m) POST MIN.]

NOTES:

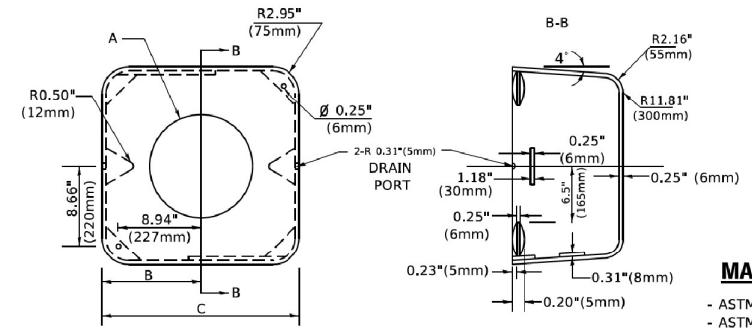
1. ALL ELECTRICAL ITEMS, EXCEPT ITEMS #2 AND #11 SHALL BE ALUMINUM OR GALVANIZED
2. ITEM #1- OZ/GEDNEY FSX-1-50 OR EQUIVALENT
ITEM #2- MULBERRY CON-O-SHADE LAMP SHIELD OR EQUIVALENT
ITEM #9- "BAND-IT" SADDLE BRACKET OR EQUIVALENT
3. WHEN POST MOUNTING IS SPECIFIED, ITEM #9 SHALL NOT BE REQUIRED. THE DETECTION UNIT SHALL BE MOUNTED DIRECTLY ON TOP OF THE CAP BY DRILLING AND TAPPING A 3/4" (19 mm) HOLE WITH PIPE THREADS. THE POST CAP SHALL EITHER BE SCREWED TO THE TOP OF THE POST OR A MINIMUM OF 3 TIGHTENING SCREWS SHALL BE REQUIRED ON EACH CAP.



PROPOSED APRON **TOP VIEW**
(NOT TO SCALE) **CONTROLLER CABINET BASE**



MODIFY EXISTING TYPE "D" FOUNDATION TO TYPE "C" FOUNDATION
(NOT TO SCALE)



MATERIAL
- ASTM A36 STEEL
- ASTM A-123 HOT DIPPED GALVANIZED

A	B	C	HEIGHT	WEIGHT
VARIABLES	9.5"(241mm)	19"(483mm)	7" (178mm) - 12" (300mm)	53 lbs (24kg)
VARIABLES	10.75"(273mm)	21.5"(546mm)	7" (178mm) - 12" (300mm)	68 lbs (31 kg)
VARIABLES	13.0"(330mm)	26"(660mm)	7" (178mm) - 12" (300mm)	81 lbs (37 kg)
VARIABLES	18.5"(470mm)	37"(940mm)	7" (178mm) - 12" (300mm)	126 lbs (57 kg)

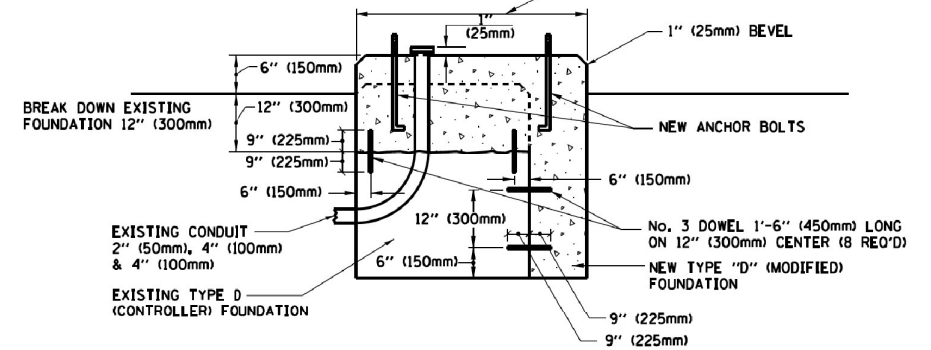
SHROUD

NOTES:

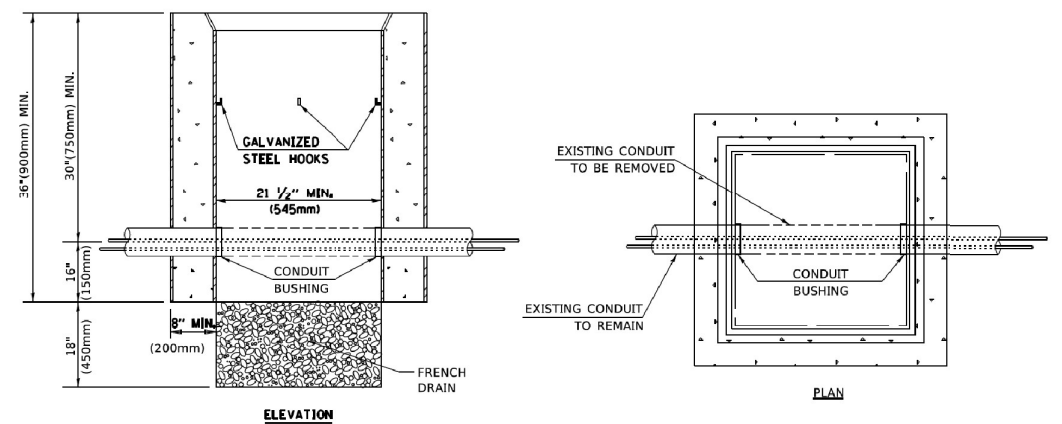
1. DIMENSION "A" IS EQUAL TO THE DIAMETER OF THE MAST ARM POLE AT THE TOP OF THE SHROUD. THE SHROUD SHALL BE TIGHT TO THE MAST ARM POLE.
2. THE SUPPLIER SHALL VERIFY THE ABOVE DIMENSIONS BASED ON MAST ARM REQUIREMENTS.
3. THE HEIGHT OF THE SHROUD SHALL COVER THE ANCHOR BOLTS, NUTS AND MAST ARM POLE BASE.

NOTE:

SUPPORT EXISTING CABINET AND CONTROL EQUIPMENT ABOVE FOUNDATION TO KEEP TRAFFIC SIGNAL FUNCTIONING WHILE FOUNDATION MODIFICATION WORK IS PROCEEDING.



MODIFY EXISTING TYPE "D" FOUNDATION



NOTES:

1. HANDHOLE CONSTRUCTED PER STATE STANDARD 814001.
2. REMOVAL OF THE EXISTING CONDUIT FROM THE HANDHOLE AND THE INSTALLATION OF THE CONDUIT BUSHINGS SHALL BE INCLUDED WITH THE COST OF THE HANDHOLE.

HANDHOLE TO INTERCEPT EXISTING CONDUIT

MODEL: Defaul...
FILE: \\m...
PROJECT: ...

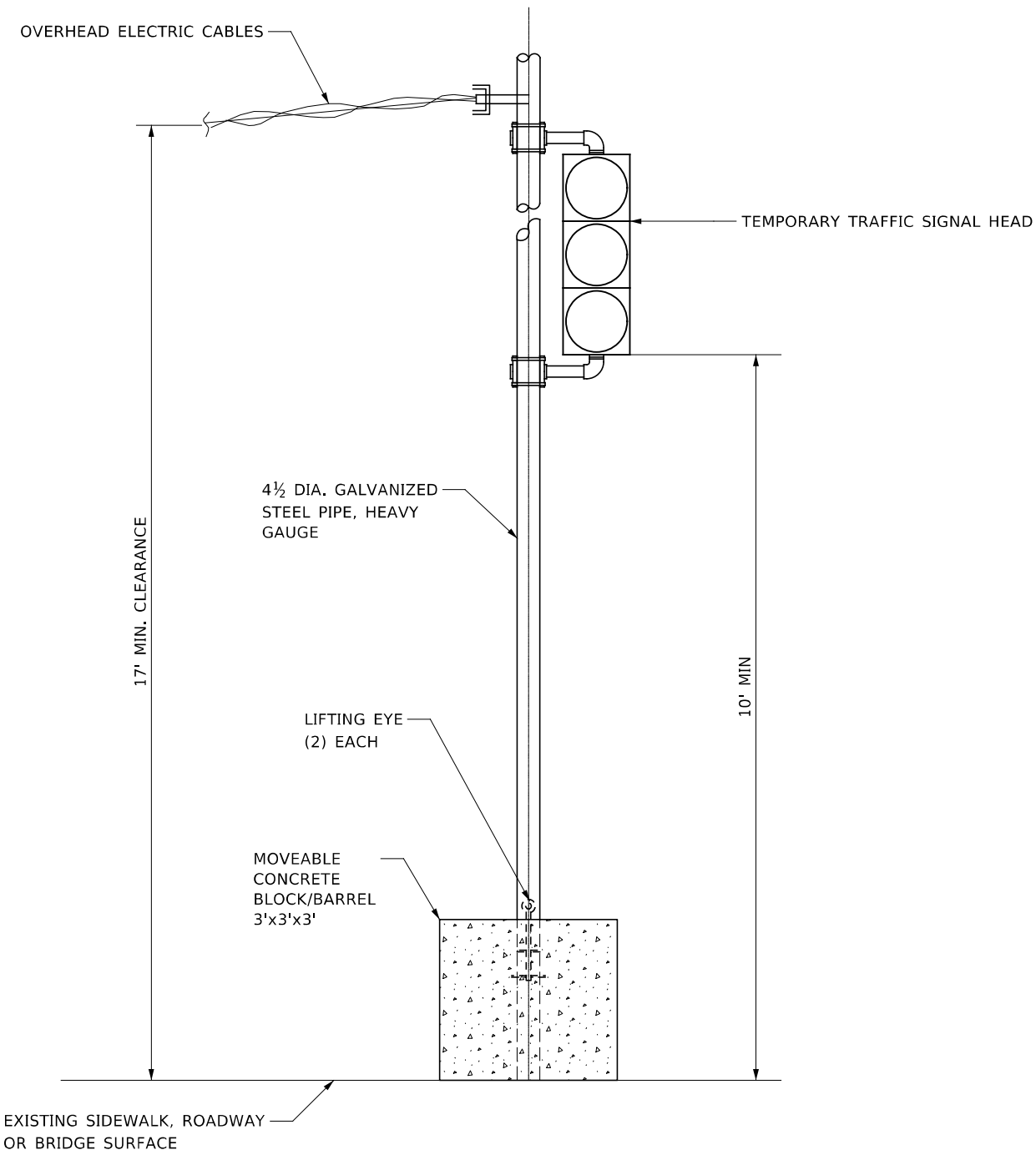
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PLOT SCALE = 50,0000' / in.	DRAWN -	REVISED -
PLOT DATE = 3/4/2019	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

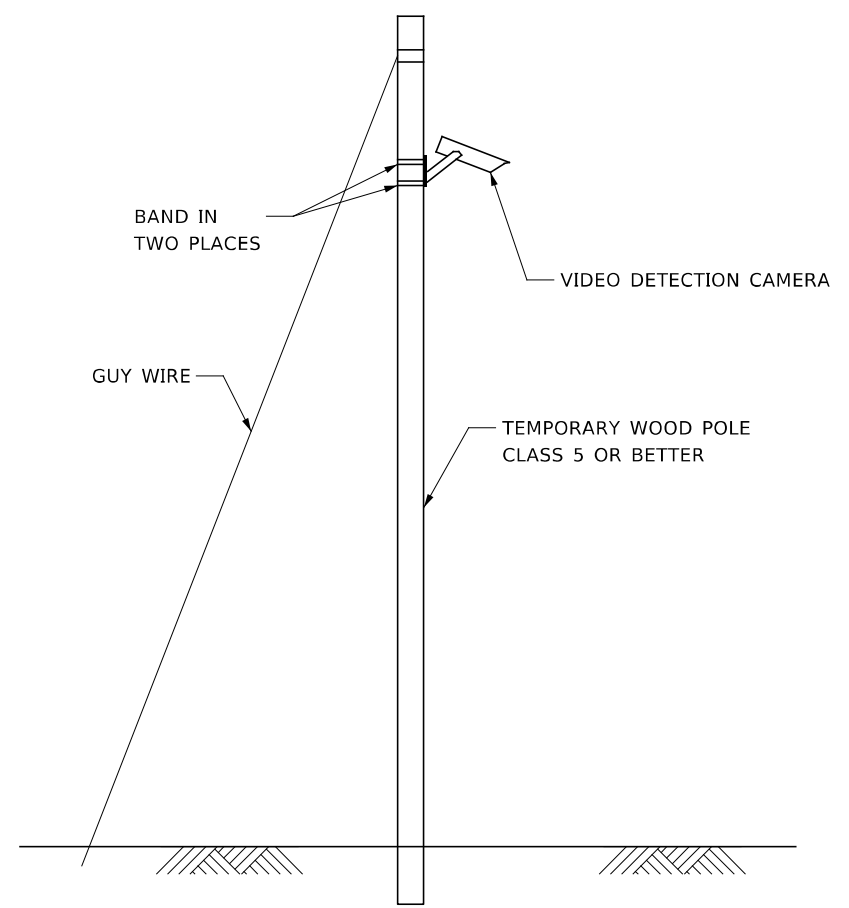
SCALE: NONE SHEET 6 OF 7 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	FAP 0326 22 BJ	MCHENRY	75	35
TS-05		CONTRACT NO. 62T01		
ILLINOIS / FED. AID PROJECT				



TEMPORARY SIGNAL POST - BARREL MOUNTED
NOT TO SCALE

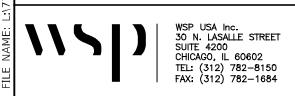
NOTE: THIS WORK WILL BE INCLUDED IN THE COST FOR TEMPORARY TRAFFIC SIGNAL INSTALLATION.



TEMPORARY VIDEO DETECTION MOUNTING DETAIL
NOT TO SCALE

NOTE: THIS WORK WILL BE INCLUDED IN THE COST FOR TEMPORARY TRAFFIC SIGNAL INSTALLATION.

FILE NAME: L:\7162_07\CAD\Drawings\Traffic_Signals\162701-1\162701-Temp_Signal_0005_Detail.dgn

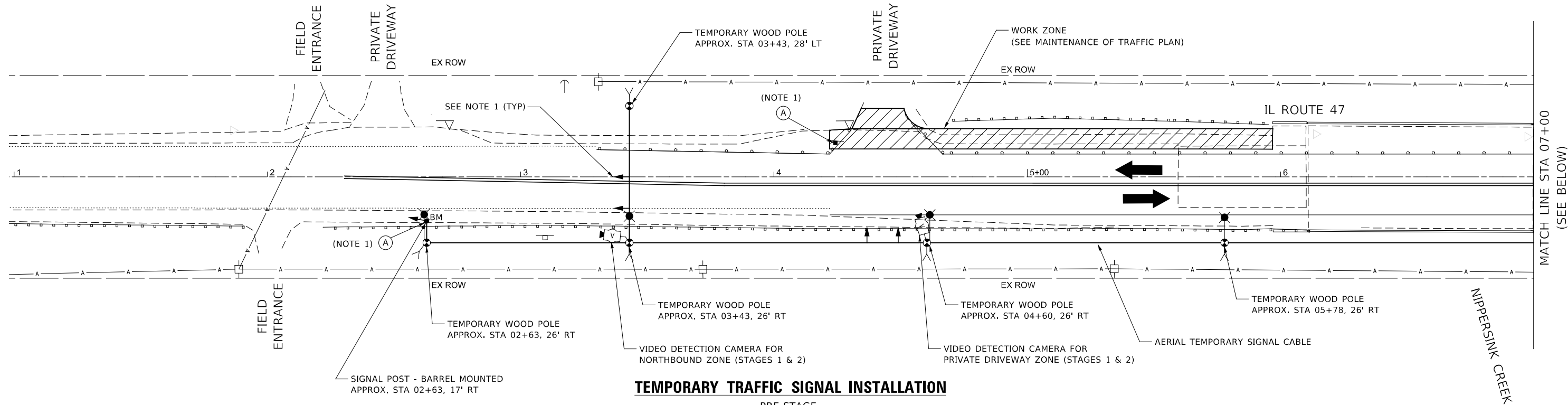


USER NAME = USMM706094	DESIGNED - PAS	REVISED -
	DRAWN - PAS	REVISED -
PLOT SCALE = 1:2	CHECKED - MJM	REVISED -
PLOT DATE = 5/11/2023	DATE - 05/05/2023	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TEMPORARY TRAFFIC SIGNAL DETAILS	
IL-47 OVER NIPPERSINK CREEK - STRUCTURE NO. 056-0053	
SCALE: AS SHOWN	SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	FAP 0326 22 BJ	McHENRY	75	36
			CONTRACT NO. 62T01	
		ILLINOIS	FED. AID PROJECT	

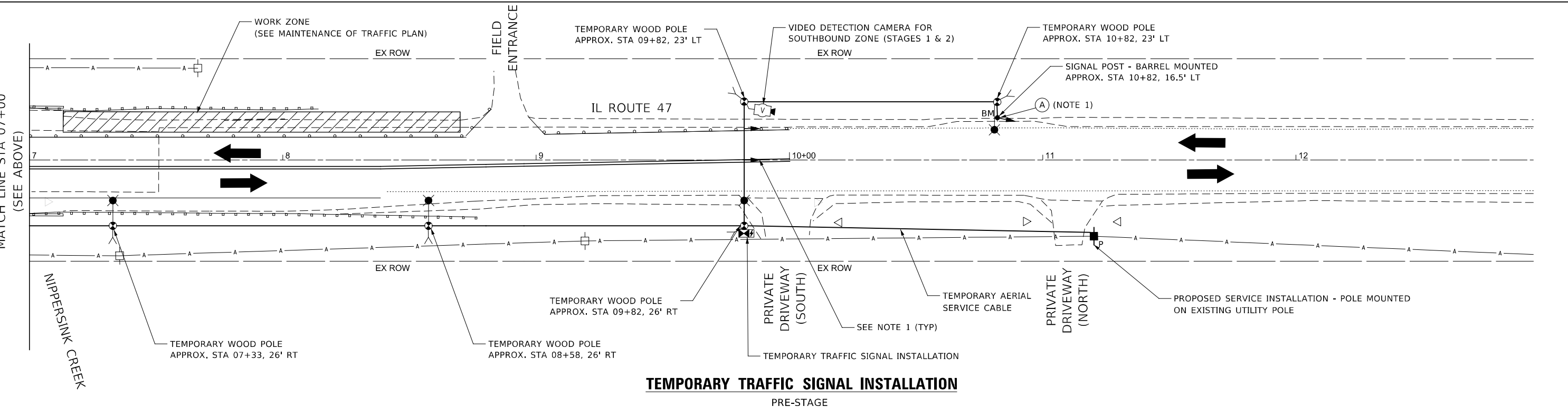
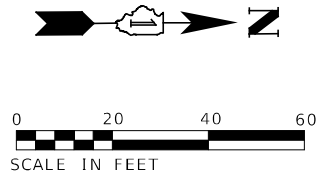
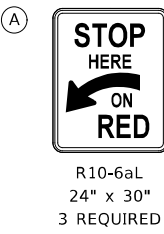


TEMPORARY TRAFFIC SIGNAL INSTALLATION

PRE-STAGE

NOTES:

1. DURING PRE-STAGE, THE CONTRACTOR SHALL BAG ALL TEMPORARY TRAFFIC SIGNAL HEADS. THE TEMPORARY TRAFFIC SIGNAL SHALL REMAIN OUT OF SERVICE DURING PRE-STAGE. THE TEMPORARY TRAFFIC SIGNAL TURN-ON, TEMPORARY STOP BAR PAVEMENT MARKING INSTALLATION, AND TEMPORARY SIGNAGE MUST BE COORDINATED TO COINCIDE AT THE SAME TIME WITHIN THE SAME CALENDAR DAY.
2. THE CONTRACTOR SHALL PROVIDE ENOUGH CABLE SLACK TO RELOCATE THE TEMPORARY BARREL/BLOCK MOUNTED SIGNAL POSTS TO THE SATISFACTION OF THE ENGINEER.
3. THE EXACT LOCATION OF ALL SUBSURFACE UTILITIES IN THE VICINITY OF THE PROPOSED WOOD POLES SHALL BE FIELD VERIFIED BY THE CONTRACTOR BEFORE THE INSTALLATION OF ANY COMPONENTS OF THE TEMPORARY TRAFFIC SIGNAL SYSTEM. THE CONTRACTOR SHALL USE EXTREME CAUTION TO AVOID THE OVERHEAD POWER LINES. THIS WORK WILL NOT BE PAID FOR SEPARATELY AND SHALL BE CONSIDERED INCLUDED IN THE CONTRACT UNIT COST FOR TEMPORARY TRAFFIC SIGNAL INSTALLATION.
4. RESTORATION OF THE TEMPORARY LIGHTING AND TRAFFIC SIGNAL WORK AREA SHALL BE CONSIDERED INCLUDED IN THE CONTRACT UNIT COST FOR TEMPORARY LIGHTING FOR SINGLE LANE STAGING AND TEMPORARY TRAFFIC SIGNAL INSTALLATION. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

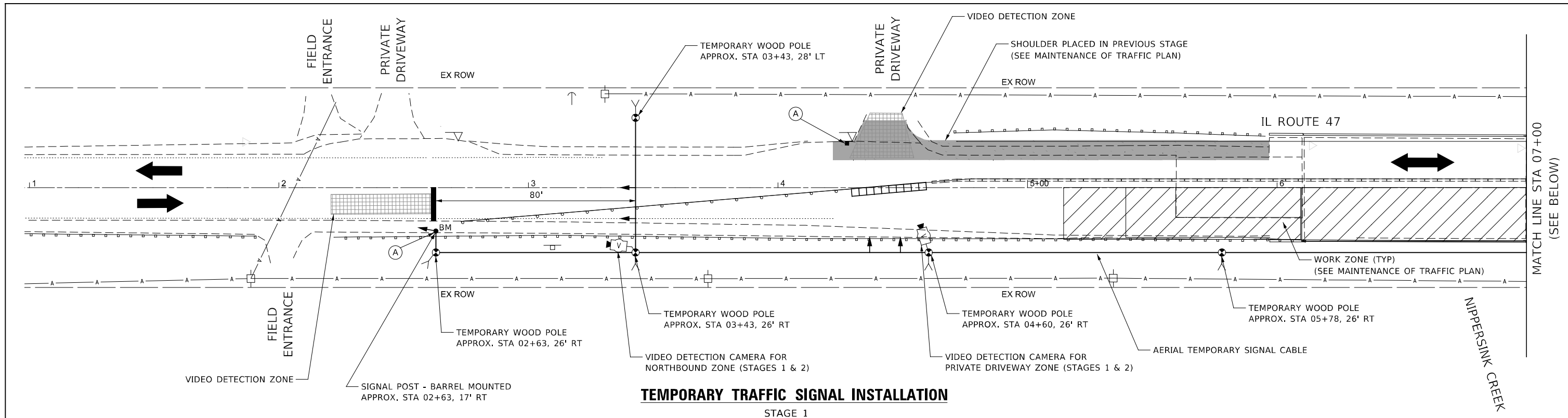


TEMPORARY TRAFFIC SIGNAL INSTALLATION

PRE-STAGE

FILE NAME: L:\7162_07\CAD\Sheet\Traffic_Signal\162701-1\Temp_Signal_Plan01.dgn

<p>WSP USA Inc. 30 N. LASALLE STREET SUITE 4000 CHICAGO, IL 60602 TEL: (312) 782-8150 FAX: (312) 782-1684</p>	USER NAME = USMM706094	DESIGNED - PAS	REVISED -	<p align="center">STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</p>	<p align="center">TEMPORARY TRAFFIC SIGNAL INSTALLATION - PRESTAGE IL-47 OVER NIPPERSINK CREEK - STRUCTURE NO. 056-0053</p>	F.A.P. RTE. = 326	SECTION = FAP 0326 22 BJ	COUNTY = McHENRY	TOTAL SHEETS = 75	SHEET NO. = 37
	PLOT SCALE = 1:40	CHECKED - MJM	REVISED -			SCALE: AS SHOWN	SHEET 1 OF 1 SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT	
PLOT DATE = 5/11/2023	DATE = 05/05/2023	REVISED -	REVISED -							

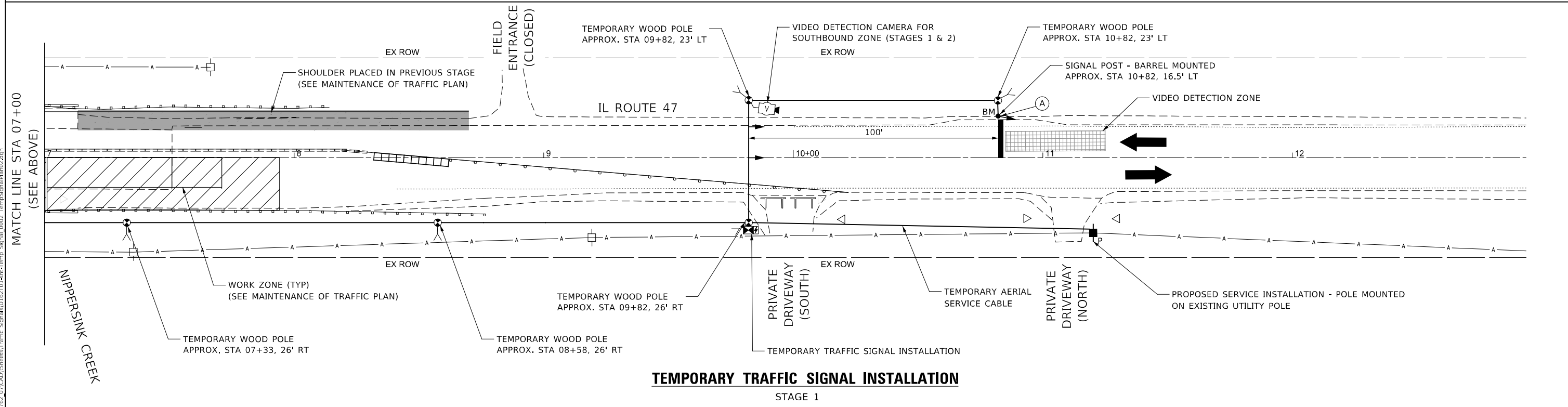
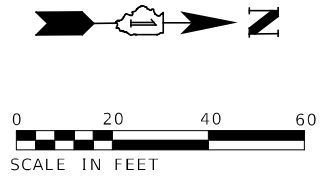
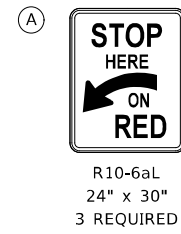


TEMPORARY TRAFFIC SIGNAL INSTALLATION

STAGE 1

NOTES:

1. THE CONTRACTOR SHALL PROVIDE ENOUGH CABLE SLACK TO RELOCATE THE TEMPORARY BARREL/BLOCK MOUNTED SIGNAL POSTS TO THE SATISFACTION OF THE ENGINEER.
2. THE EXACT LOCATION OF ALL SUBSURFACE UTILITIES IN THE VICINITY OF THE PROPOSED WOOD POLES SHALL BE FIELD VERIFIED BY THE CONTRACTOR BEFORE THE INSTALLATION OF ANY COMPONENTS OF THE TEMPORARY TRAFFIC SIGNAL SYSTEM. THE CONTRACTOR SHALL USE EXTREME CAUTION TO AVOID THE OVERHEAD POWER LINES. THIS WORK WILL NOT BE PAID FOR SEPARATELY AND SHALL BE CONSIDERED INCLUDED IN THE CONTRACT UNIT COST FOR TEMPORARY TRAFFIC SIGNAL INSTALLATION.
3. RESTORATION OF THE TEMPORARY LIGHTING AND TRAFFIC SIGNAL WORK AREA SHALL BE CONSIDERED INCLUDED IN THE CONTRACT UNIT COST FOR TEMPORARY LIGHTING FOR SINGLE LANE STAGING AND TEMPORARY TRAFFIC SIGNAL INSTALLATION. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.



TEMPORARY TRAFFIC SIGNAL INSTALLATION

STAGE 1



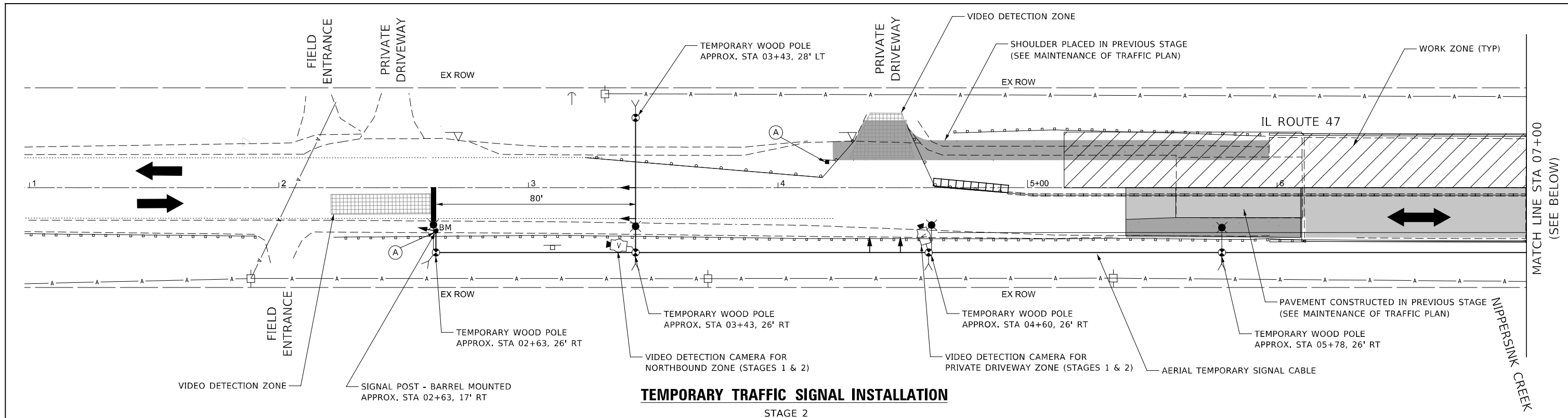
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PLOT SCALE = 1:40	DRAWN - PAS	REVISED -
PLOT DATE = 5/11/2023	CHECKED - MJM	REVISED -
	DATE - 05/05/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNAL INSTALLATION - STAGE 1
IL-47 OVER NIPPERSINK CREEK - STRUCTURE NO. 056-0053

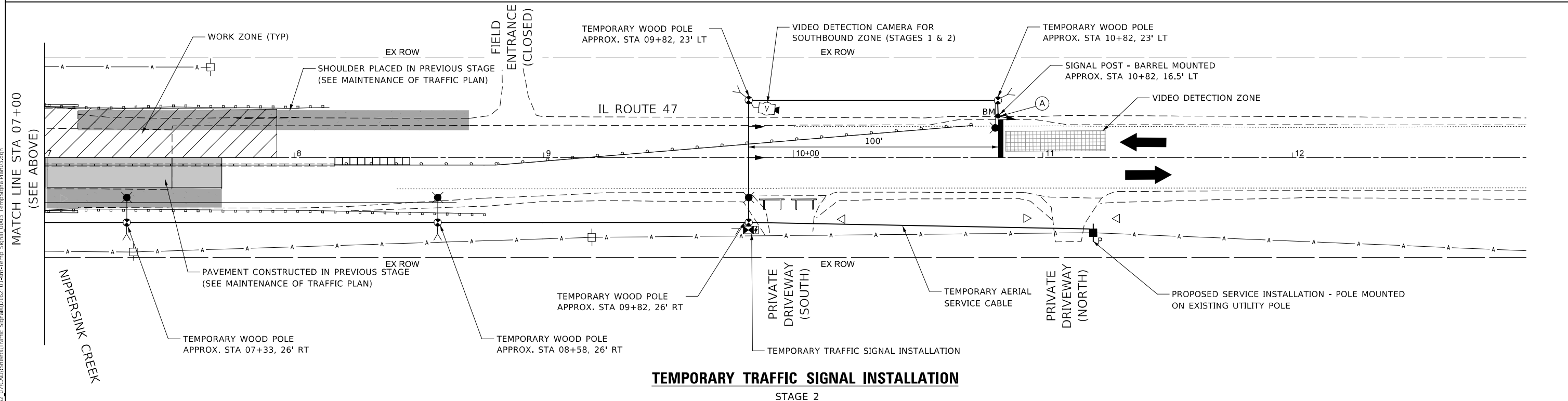
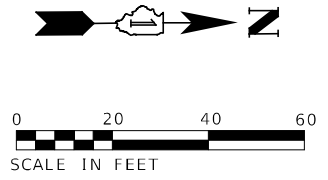
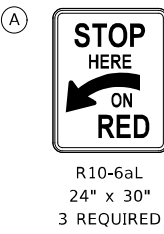
F.A.P. RTE. 326	SECTION FAP 0326 22 BJ	COUNTY McHENRY	TOTAL SHEETS 75	SHEET NO. 38
CONTRACT NO. 62T01			ILLINOIS FED. AID PROJECT	

FILE NAME: L:\7162_07\CAD\Sheet\Traffic_Signal\162701-1\htTemp_Signal_002_TempSignalPlan02.dgn



NOTES:

1. THE CONTRACTOR SHALL PROVIDE ENOUGH CABLE SLACK TO RELOCATE THE TEMPORARY BARREL/BLOCK MOUNTED SIGNAL POSTS TO THE SATISFACTION OF THE ENGINEER.
2. THE EXACT LOCATION OF ALL SUBSURFACE UTILITIES IN THE VICINITY OF THE PROPOSED WOOD POLES SHALL BE FIELD VERIFIED BY THE CONTRACTOR BEFORE THE INSTALLATION OF ANY COMPONENTS OF THE TEMPORARY TRAFFIC SIGNAL SYSTEM. THE CONTRACTOR SHALL USE EXTREME CAUTION TO AVOID THE OVERHEAD POWER LINES. THIS WORK WILL NOT BE PAID FOR SEPARATELY AND SHALL BE CONSIDERED INCLUDED IN THE CONTRACT UNIT COST FOR TEMPORARY TRAFFIC SIGNAL INSTALLATION.
3. RESTORATION OF THE TEMPORARY LIGHTING AND TRAFFIC SIGNAL WORK AREA SHALL BE CONSIDERED INCLUDED IN THE CONTRACT UNIT COST FOR TEMPORARY LIGHTING FOR SINGLE LANE STAGING AND TEMPORARY TRAFFIC SIGNAL INSTALLATION. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.



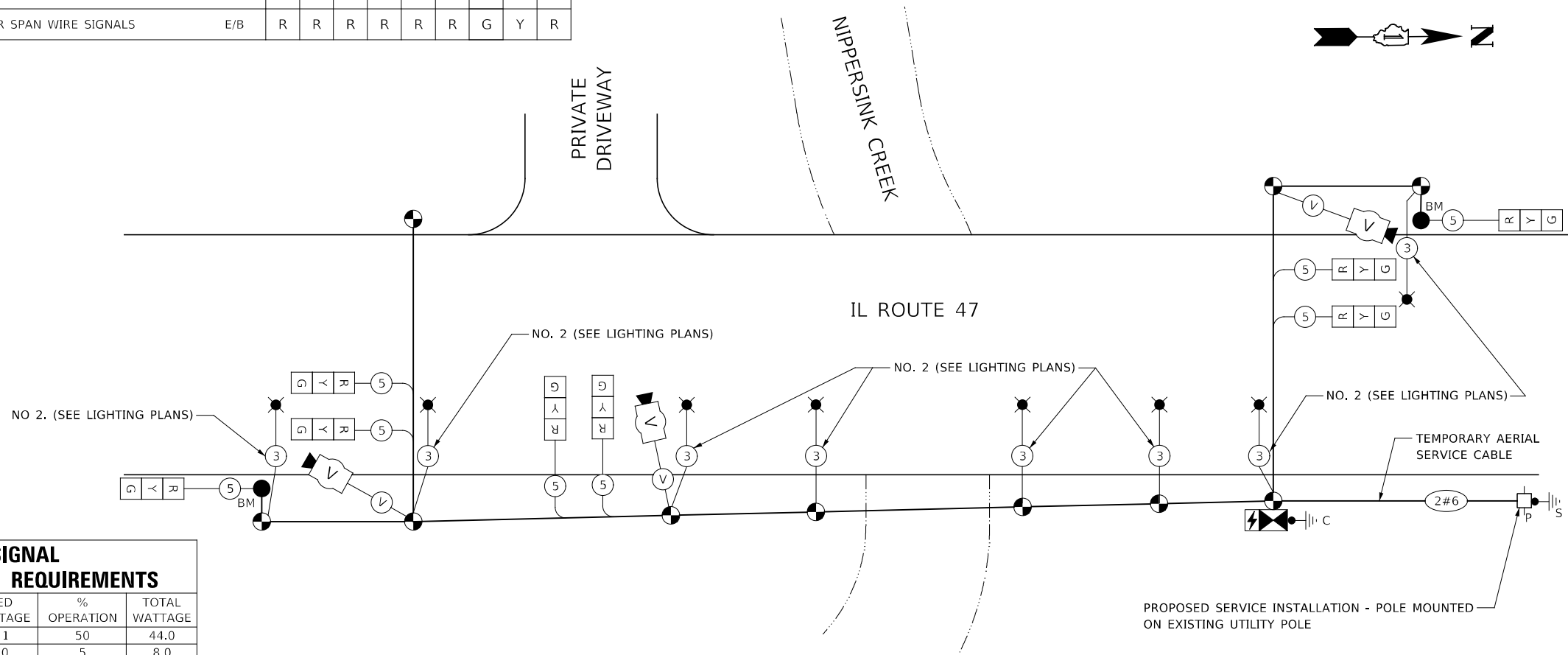
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<p>WSP USA Inc. 30 N. LASALLE STREET SUITE 4000 CHICAGO, IL 60602 TEL: (312) 782-8150 FAX: (312) 782-1684</p>	USER NAME = USMM706094	DESIGNED - PAS	REVISED -	<p align="center">STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</p>	<p align="center">TEMPORARY TRAFFIC SIGNAL INSTALLATION - STAGE 2 IL-47 OVER NIPPERSINK CREEK - STRUCTURE NO. 056-0053</p>	F.A.P. RTE. = 326	SECTION = FAP 0326 22 BJ	COUNTY = MCHENRY	TOTAL SHEETS = 75	SHEET NO. = 39
	PLOT SCALE = 1:40	CHECKED - MJM	REVISED -			SCALE: AS SHOWN	SHEET 1 OF 1 SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT	
PLOT DATE = 5/11/2023	DATE = 05/05/2023	REVISED -								

TEMPORARY SEQUENCE OF OPERATION

MOVEMENT		1		2			3			
		1	2A	2B	3	4A	4B	5	6A	6B
PHASE		1		2			3			
INTERVAL		1	2A	2B	3	4A	4B	5	6A	6B
CHANGE TO			2	3		1			2	
IL ROUTE 47, NEAR RIGHT SIGNAL	N/B	G	Y	R	R	R	R	R	R	R
IL ROUTE 47, TWO FAR SPAN WIRE SIGNALS	N/B	G	Y	R	R	R	R	R	R	R
IL ROUTE 47, NEAR RIGHT SIGNAL	S/B	R	R	R	G	Y	R	R	R	R
IL ROUTE 47, TWO FAR SPAN WIRE SIGNALS	S/B	R	R	R	G	Y	R	R	R	R
PRIVATE DRIVEWAY, TWO FAR SPAN WIRE SIGNALS	E/B	R	R	R	R	R	R	G	Y	R

CODE	ITEM	UNIT	TOTAL
89000100	TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
Z0073510	TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1



TEMPORARY CABLE PLAN – ALL STAGES
(NOT TO SCALE)

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	8	11	50	44.0
(YELLOW)	8	20	5	8.0
(GREEN)	8	12	45	43.2
PERMISSIVE ARROW	-	10	10	-
PED. SIGNAL	-	20	100	-
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	1	150	100	150.0
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	8	278	50	1112.0
TOTAL =				1482.2

ENERGY COSTS TO:

ENERGY SUPPLY: CONTACT: VINCENT MAZZAFERRO, PE, PMP
PHONE: (779) 231-1027
COMPANY: COMED
ACCOUNT NUMBER: NEW SERVICE (TEMPORARY ONLY)

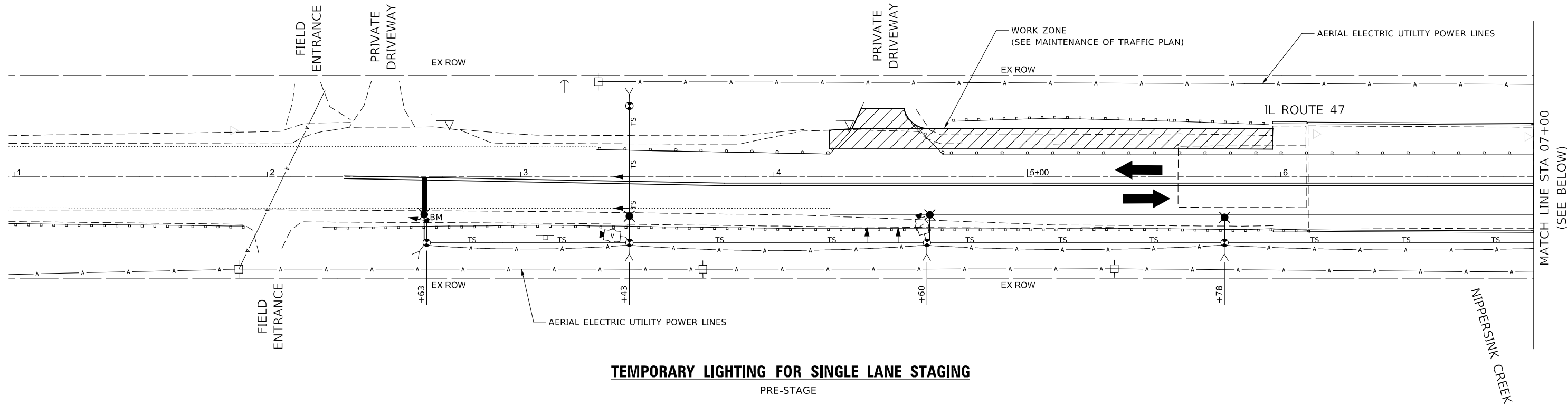
DESIGNED - PAS	REVISED -
DRAWN - PAS	REVISED -
CHECKED - MJM	REVISED -
DATE - 05/05/2023	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY TRAFFIC SIGNAL CABLE PLAN – ALL STAGES
IL-47 OVER NIPPERSINK CREEK – STRUCTURE NO. 056-0053**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	FAP 0326 22 BJ	McHENRY	75	40
CONTRACT NO. 62T01				
ILLINOIS FED. AID PROJECT				

FILE NAME: L:\7162_07\CAD\Drawings\Traffic_Signal\056-0053-Temp_Signal_0004_CablePlan.dwg



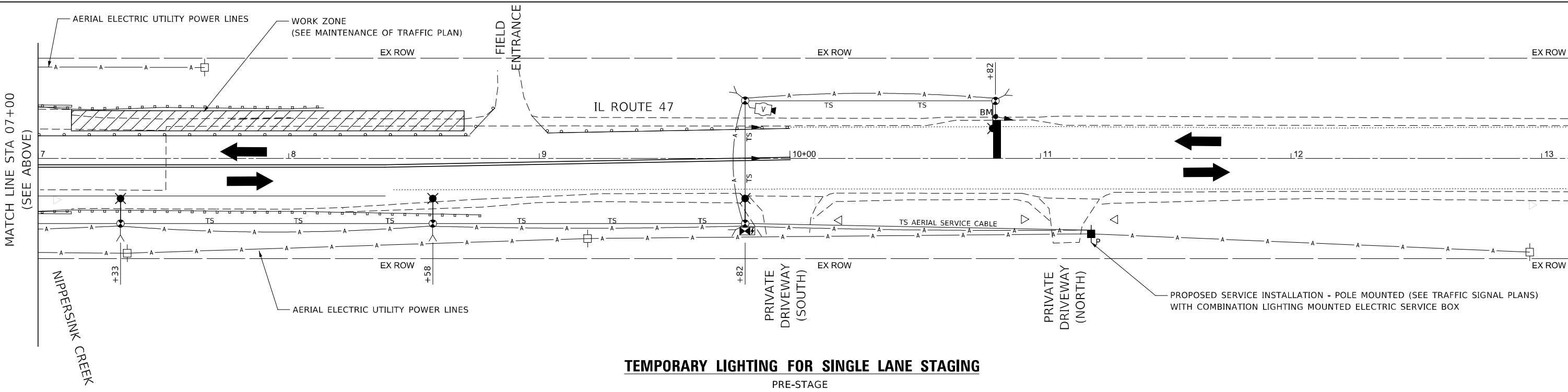
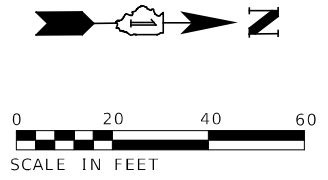
TEMPORARY LIGHTING FOR SINGLE LANE STAGING
PRE-STAGE

NOTES:

1. TEMPORARY LIGHTING FOR SINGLE LANE STAGING SHALL BE IN ACCORDANCE WITH IDOT DISTRICT ONE DETAILS: BE-800, BE-801 AND BE-805 EXCEPT AS MODIFIED HERE WITHIN THIS PLAN.
2. SEE TEMPORARY TRAFFIC SIGNAL PLANS FOR ADDITIONAL INFORMATION.
3. RESTORATION OF THE TEMPORARY LIGHTING AND TRAFFIC SIGNAL WORK AREA SHALL BE CONSIDERED INCLUDED IN THE CONTRACT UNIT COST FOR TEMPORARY LIGHTING FOR SINGLE LANE STAGING AND TEMPORARY TRAFFIC SIGNAL INSTALLATION. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

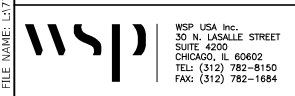
LEGEND

- TEMPORARY TRAFFIC SIGNAL CONTROLLER WITH UPS AND BOTTOM PLATE MOUNTED TO WOOD POLE
- TEMPORARY WOOD POLE, HEIGHT AND CLASS AS SHOWN ON TRAFFIC SIGNAL PLANS
- VIDEO DETECTION CAMERA (SEE TRAFFIC SIGNAL PLANS)
- LED TRAFFIC SIGNAL HEAD (SEE TRAFFIC SIGNAL PLANS)
- 26,000-30,000 LUMENS, 120V, MCIII LED WITH PHOTO CELL 15' MA, 50' MOUNTING HEIGHT ON WOOD POLE
- GROUND ROD 5/8" DIA X 10'
- ELECTRIC SERVICE GROUND (SEE TRAFFIC SIGNAL PLANS)
- CONTROLLER CABINET GROUND (SEE TRAFFIC SIGNAL PLANS)
- 3-1/C#2, AERIAL CABLE WITH MESSENGER WIRE UNLESS OTHERWISE NOTED
- TEMPORARY TRAFFIC SIGNAL SPAN WIRE, NUMBER OF CONDUCTORS AS SHOWN TRAFFIC SIGNAL CABLE PLAN



TEMPORARY LIGHTING FOR SINGLE LANE STAGING
PRE-STAGE

FILE NAME: L:\7162_07\CAD\Sheet\Lighting\01_TempLighting_P01.dgn



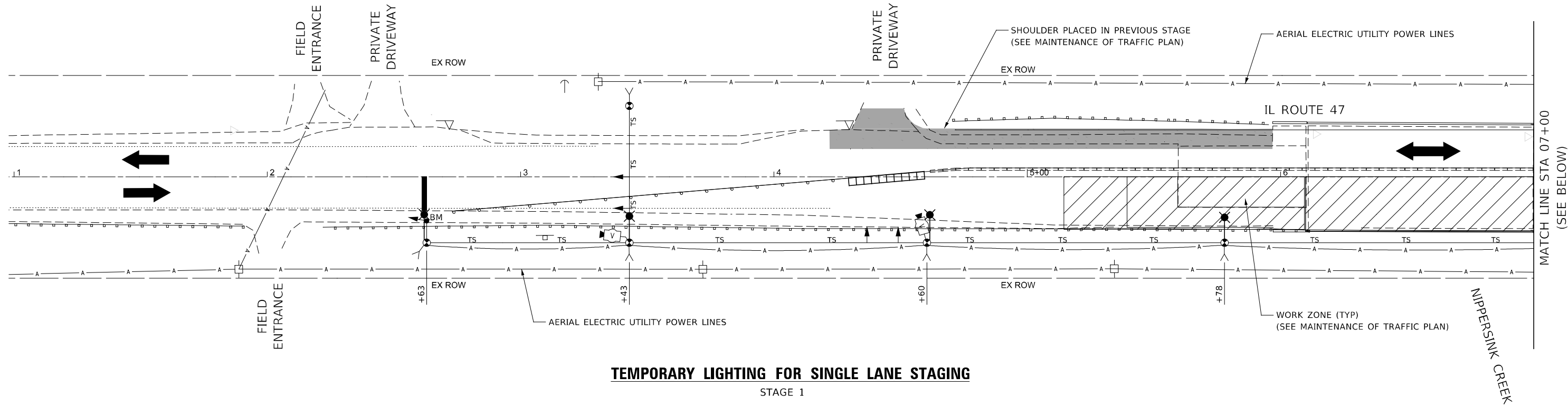
USER NAME = USMM706094	DESIGNED - PAS	REVISED -
PLOT SCALE = 1:40	DRAWN - PAS	REVISED -
PLOT DATE = 5/11/2023	CHECKED - MJM	REVISED -
	DATE - 05/05/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY LIGHTING PLAN - PRESTAGE
IL-47 OVER NIPPERSINK CREEK - STRUCTURE NO. 056-0053

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	FAP 0326 22 BJ	McHENRY	75	41
CONTRACT NO. 62T01			ILLINOIS FED. AID PROJECT	

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



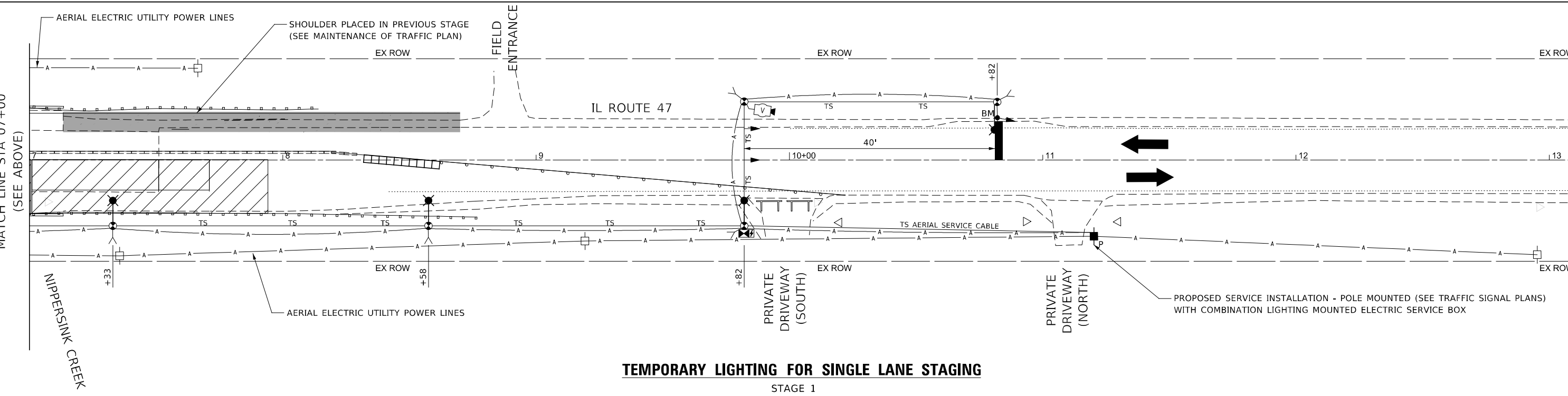
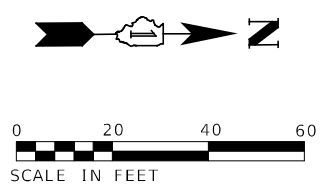
TEMPORARY LIGHTING FOR SINGLE LANE STAGING
STAGE 1

NOTES:

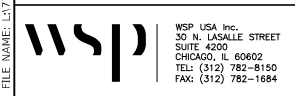
- TEMPORARY LIGHTING FOR SINGLE LANE STAGING SHALL BE IN ACCORDANCE WITH IDOT DISTRICT ONE DETAILS: BE-800, BE-801 AND BE-805 EXCEPT AS MODIFIED HERE WITHIN THIS PLAN.
- SEE TEMPORARY TRAFFIC SIGNAL PLANS FOR ADDITIONAL INFORMATION.
- RESTORATION OF THE TEMPORARY LIGHTING AND TRAFFIC SIGNAL WORK AREA SHALL BE CONSIDERED INCLUDED IN THE CONTRACT UNIT COST FOR TEMPORARY LIGHTING FOR SINGLE LANE STAGING AND TEMPORARY TRAFFIC SIGNAL INSTALLATION. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

LEGEND

- TEMPORARY TRAFFIC SIGNAL CONTROLLER WITH UPS AND BOTTOM PLATE MOUNTED TO WOOD POLE
- TEMPORARY WOOD POLE, HEIGHT AND CLASS AS SHOWN ON TRAFFIC SIGNAL PLANS
- VIDEO DETECTION CAMERA (SEE TRAFFIC SIGNAL PLANS)
- LED TRAFFIC SIGNAL HEAD (SEE TRAFFIC SIGNAL PLANS)
- 26,000-30,000 LUMENS, 120V, MCIII LED WITH PHOTO CELL 15' MA, 50' MOUNTING HEIGHT ON WOOD POLE
- GROUND ROD 5/8" DIA X 10'
- ELECTRIC SERVICE GROUND (SEE TRAFFIC SIGNAL PLANS)
- CONTROLLER CABINET GROUND (SEE TRAFFIC SIGNAL PLANS)
- 3-1/C#2, AERIAL CABLE WITH MESSENGER WIRE UNLESS OTHERWISE NOTED
- TEMPORARY TRAFFIC SIGNAL SPAN WIRE, NUMBER OF CONDUCTORS AS SHOWN TRAFFIC SIGNAL CABLE PLAN



TEMPORARY LIGHTING FOR SINGLE LANE STAGING
STAGE 1



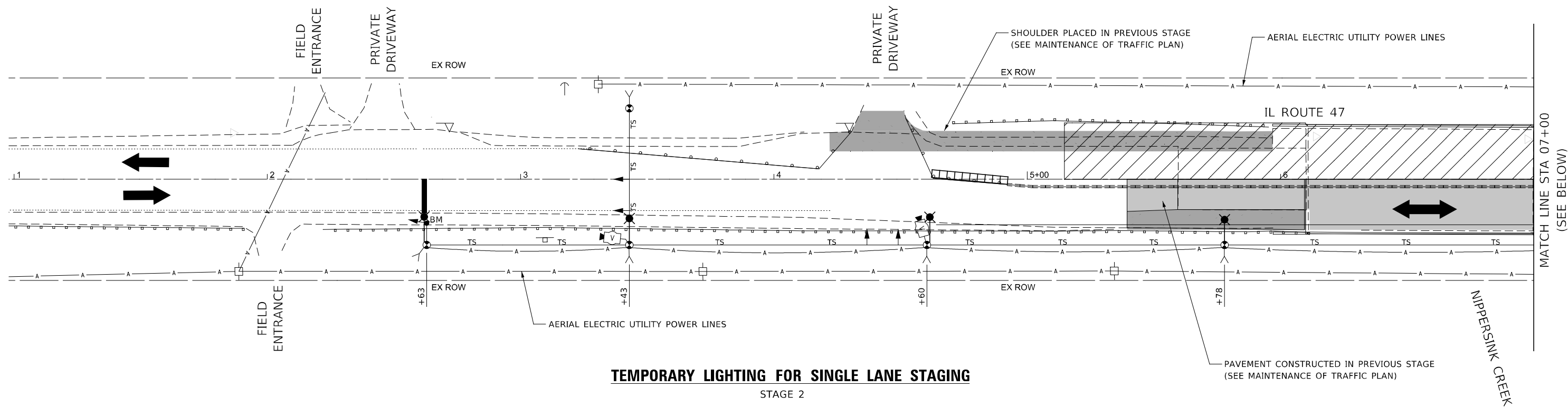
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PLOT DATE = 5/11/2023	CHECKED - MJM	REVISED -
	DATE - 05/05/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY LIGHTING PLAN - STAGE 1
IL-47 OVER NIPPERSINK CREEK - STRUCTURE NO. 056-0053

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	FAP 0326 22 BJ	McHENRY	75	42
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62T01	



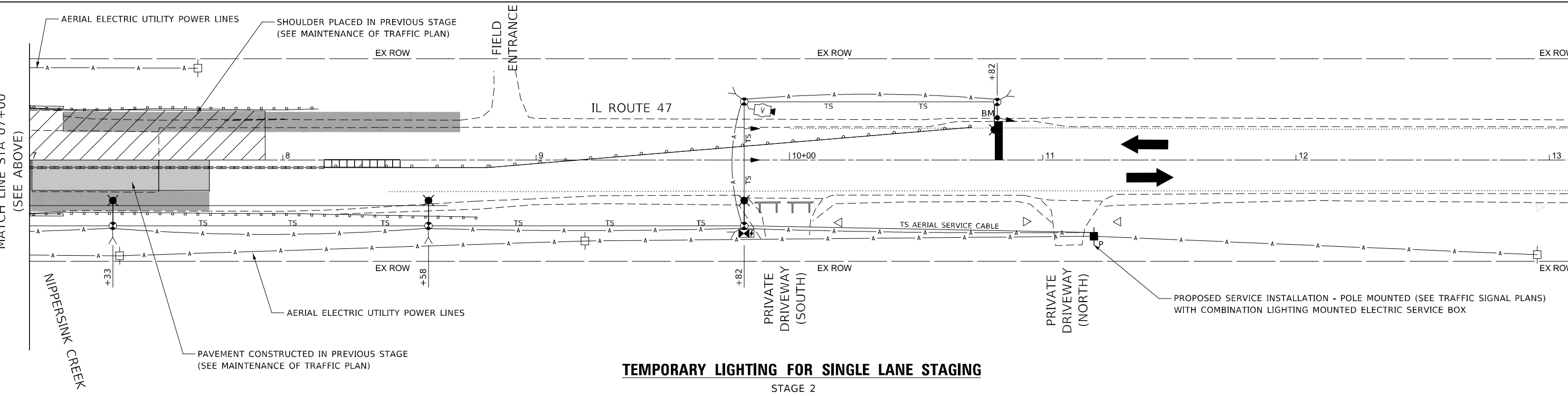
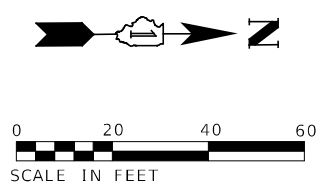
TEMPORARY LIGHTING FOR SINGLE LANE STAGING
STAGE 2

NOTES:

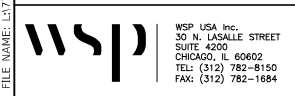
- TEMPORARY LIGHTING FOR SINGLE LANE STAGING SHALL BE IN ACCORDANCE WITH IDOT DISTRICT ONE DETAILS: BE-800, BE-801 AND BE-805 EXCEPT AS MODIFIED HERE WITHIN THIS PLAN.
- SEE TEMPORARY TRAFFIC SIGNAL PLANS FOR ADDITIONAL INFORMATION.
- RESTORATION OF THE TEMPORARY LIGHTING AND TRAFFIC SIGNAL WORK AREA SHALL BE CONSIDERED INCLUDED IN THE CONTRACT UNIT COST FOR TEMPORARY LIGHTING FOR SINGLE LANE STAGING AND TEMPORARY TRAFFIC SIGNAL INSTALLATION. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

LEGEND

- TEMPORARY TRAFFIC SIGNAL CONTROLLER WITH UPS AND BOTTOM PLATE MOUNTED TO WOOD POLE
- TEMPORARY WOOD POLE, HEIGHT AND CLASS AS SHOWN ON TRAFFIC SIGNAL PLANS
- VIDEO DETECTION CAMERA (SEE TRAFFIC SIGNAL PLANS)
- LED TRAFFIC SIGNAL HEAD (SEE TRAFFIC SIGNAL PLANS)
- 26,000-30,000 LUMENS, 120V, MCIII LED WITH PHOTO CELL 15' MA, 50' MOUNTING HEIGHT ON WOOD POLE
- GROUND ROD 5/8" DIA X 10'
- ELECTRIC SERVICE GROUND (SEE TRAFFIC SIGNAL PLANS)
- CONTROLLER CABINET GROUND (SEE TRAFFIC SIGNAL PLANS)
- 3-1/C#2, AERIAL CABLE WITH MESSENGER WIRE UNLESS OTHERWISE NOTED
- TEMPORARY TRAFFIC SIGNAL SPAN WIRE, NUMBER OF CONDUCTORS AS SHOWN TRAFFIC SIGNAL CABLE PLAN



TEMPORARY LIGHTING FOR SINGLE LANE STAGING
STAGE 2



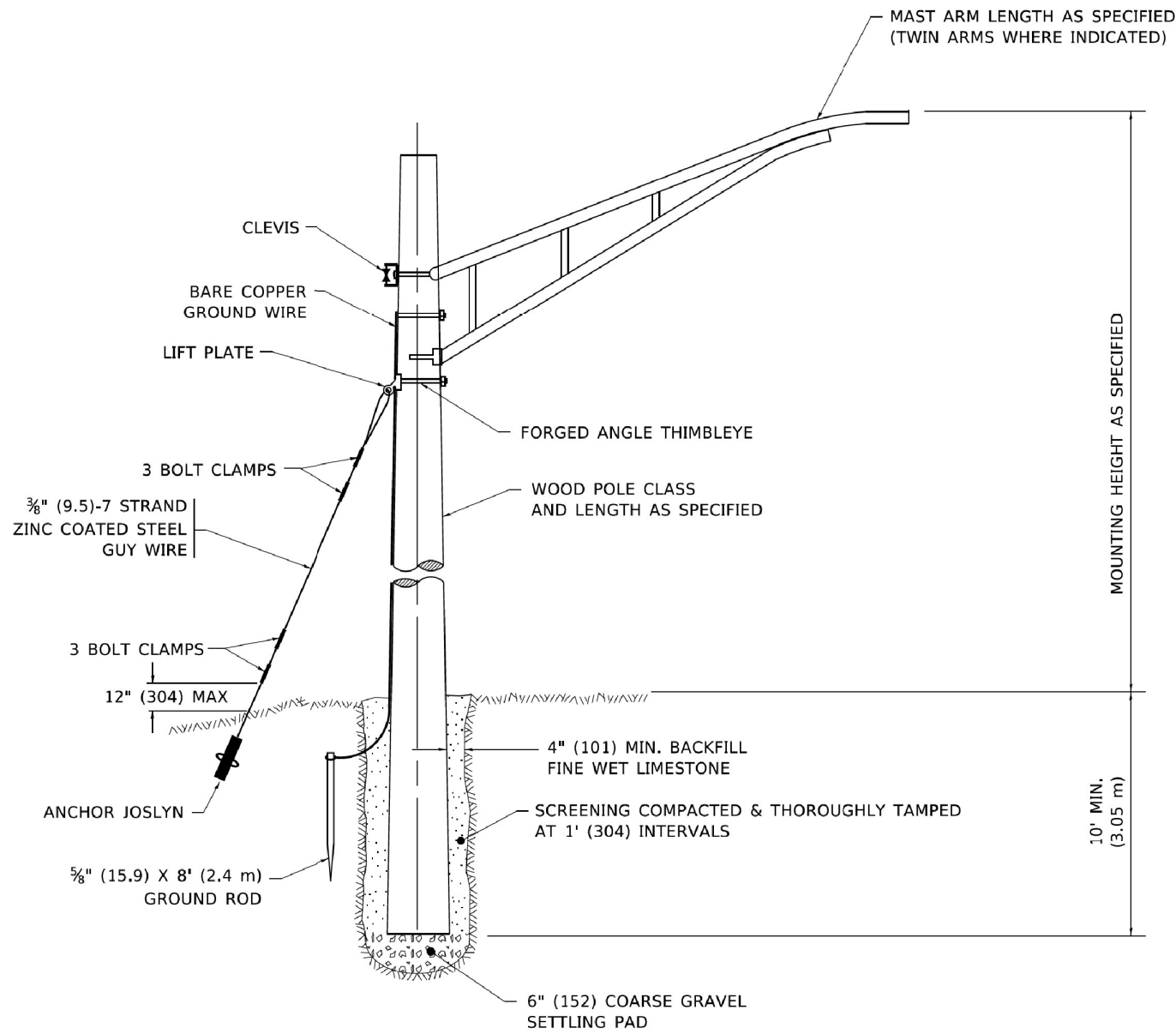
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PLOT DATE = 5/11/2023	CHECKED - MJM	REVISED -
	DATE - 05/05/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY LIGHTING PLAN - STAGE 2
IL-47 OVER NIPPERSINK CREEK - STRUCTURE NO. 056-0053

F.A.P. RTE. 326	SECTION FAP 0326 22 BJ	COUNTY McHENRY	TOTAL SHEETS 75	SHEET NO. 43
CONTRACT NO. 62T01			ILLINOIS FED. AID PROJECT	

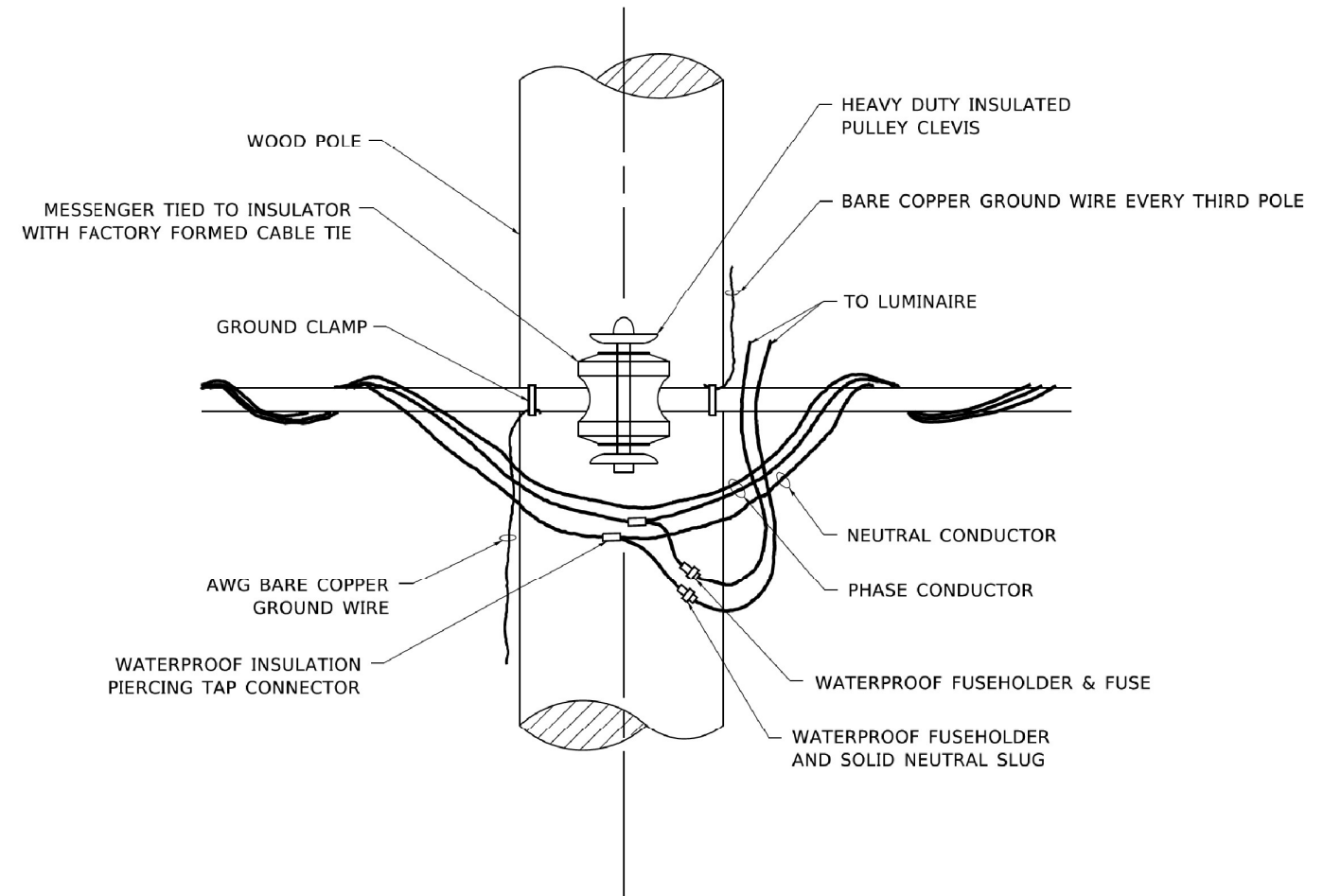
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TEMPORARY LIGHT POLE DETAIL

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

MODEL: Default
 FILE: \\miller-prod\share\com\dat_illinois\pwr\pwr\DOT\Documents\DOT_Offices\UB\ub11_1\Project\ub11_127\311\CADD\MAN\CAD\sheet\bea800.dgn

USER NAME = footemj	DESIGNED -	REVISED - 08-08-03
PLOT SCALE = 50,0010' / in.	DRAWN -	REVISED - R.T. 07-26-16
PLOT DATE = 4/19/2019	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TEMPORARY LIGHT POLE DETAILS










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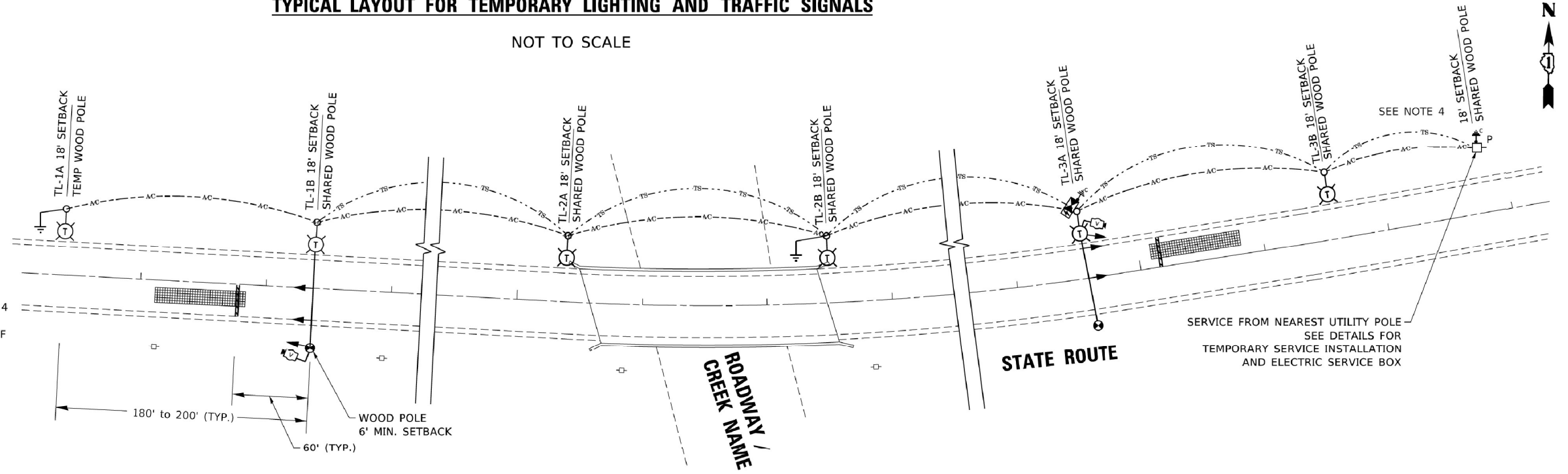
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	FAP 0326 22 BJ	McHENRY	75	44
BE-800		CONTRACT NO. 62T01		
ILLINOIS FED. AID PROJECT				

TYPICAL LAYOUT FOR TEMPORARY LIGHTING AND TRAFFIC SIGNALS

NOT TO SCALE

LEGEND

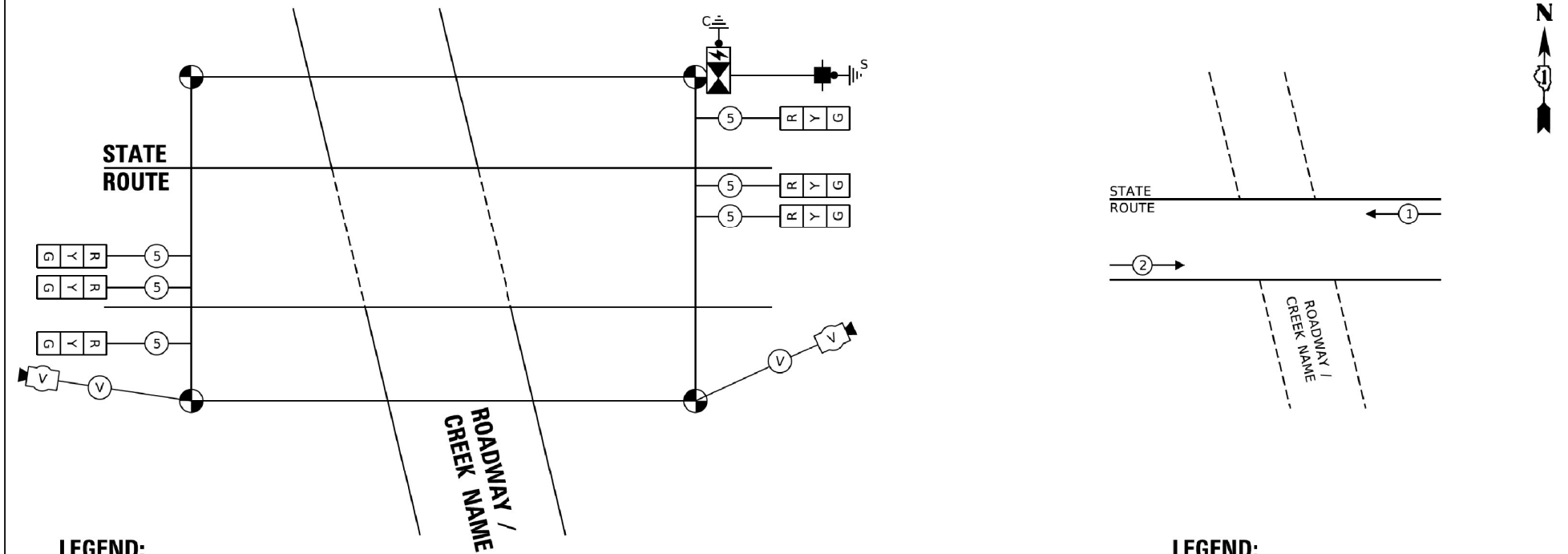
-  26,000-30,000 LUMENS, 120V, MCIII LED WITH PHOTO CELL 15' MA, 50' MH ON WOOD POLE, CLASS 4
-  3-1/C#2, AERIAL CABLE WITH MESSENGER WIRE UNLESS OTHERWISE NOTED
- TL-1A** TEMPORARY LIGHTING UNIT NUMBER - ONE CIRCUIT A
-  GROUND ROD 5/8" DIA. x 10'
-  COMBINATION LIGHTING AND TRAFFIC POLE MOUNTED ELECTRICAL 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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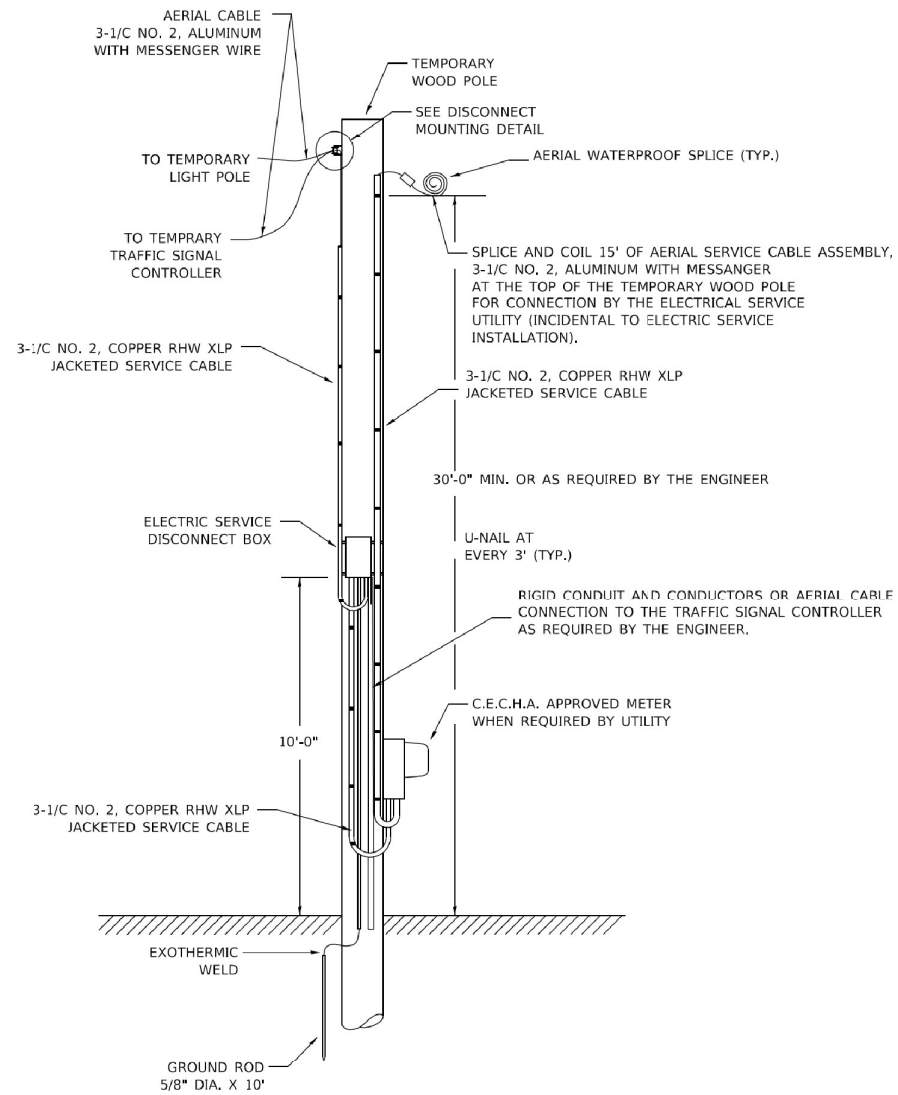
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY LIGHTING AND TRAFFIC SIGNALS
FOR SINGLE LANE STAGING

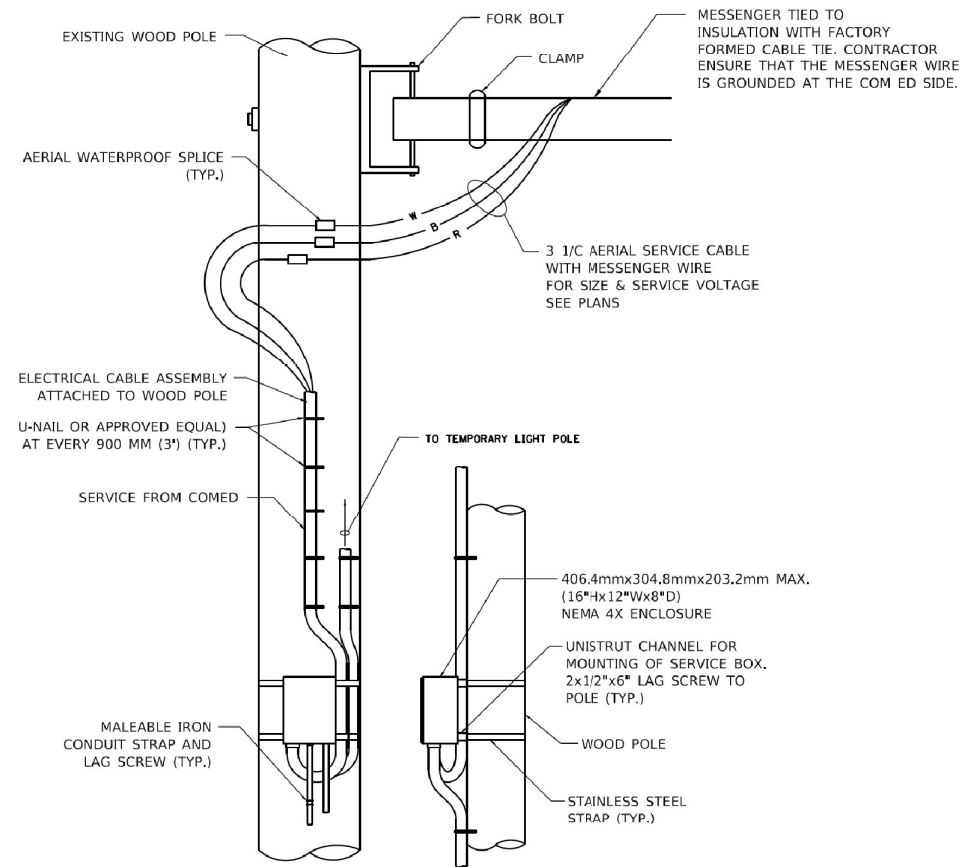
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	FAP 0326 22 BJ	McHENRY	75	46
BE-805			CONTRACT NO. 62T01	
ILLINOIS FED. AID PROJECT				



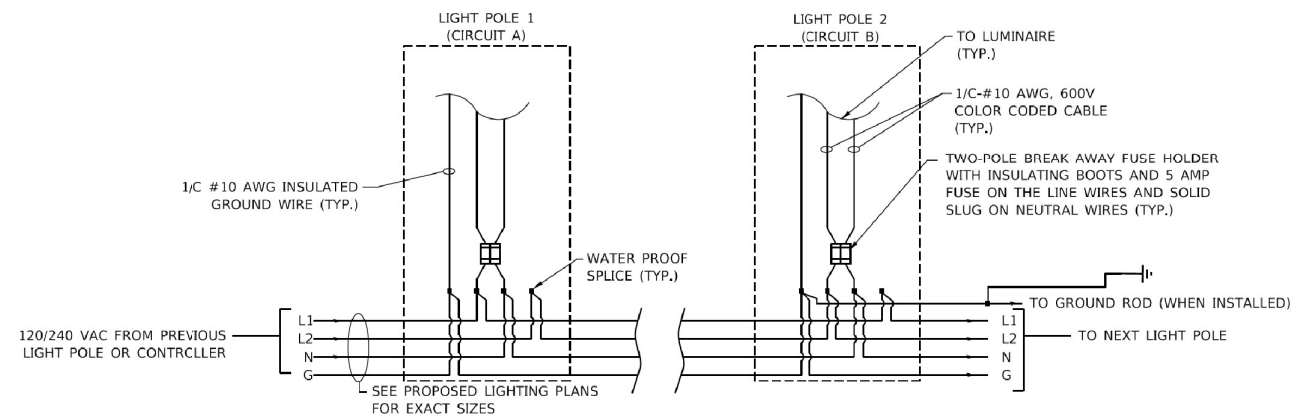
TEMPORARY SERVICE INSTALLATION DETAIL

NOT TO SCALE



DISCONNECT MOUNTING DETAIL

NOT TO SCALE



LIGHT POLE WIRING DETAIL

NOT TO SCALE

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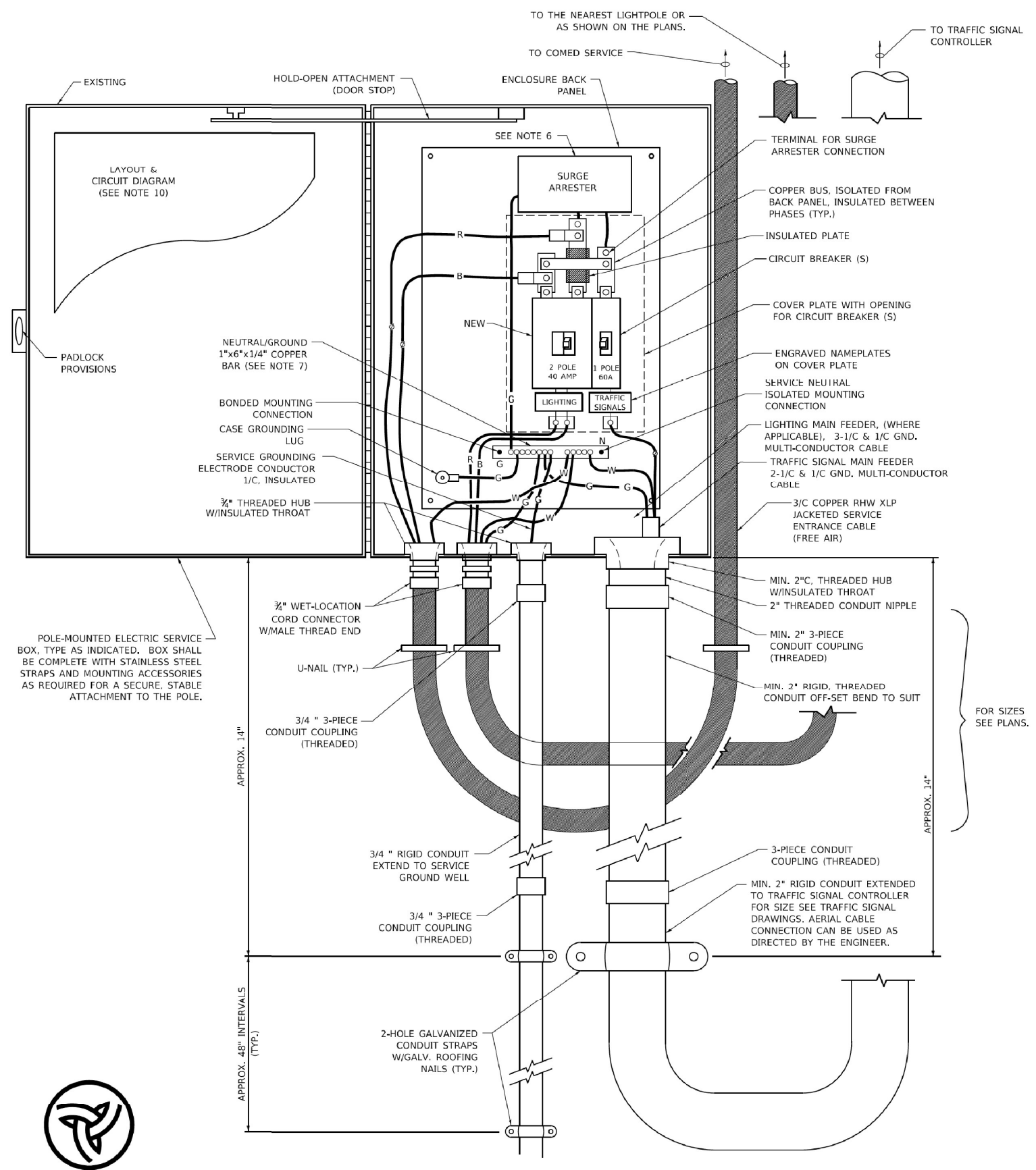
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PLOT DATE = 4/19/2019	DATE - 01/14/10	REVISED -

**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.

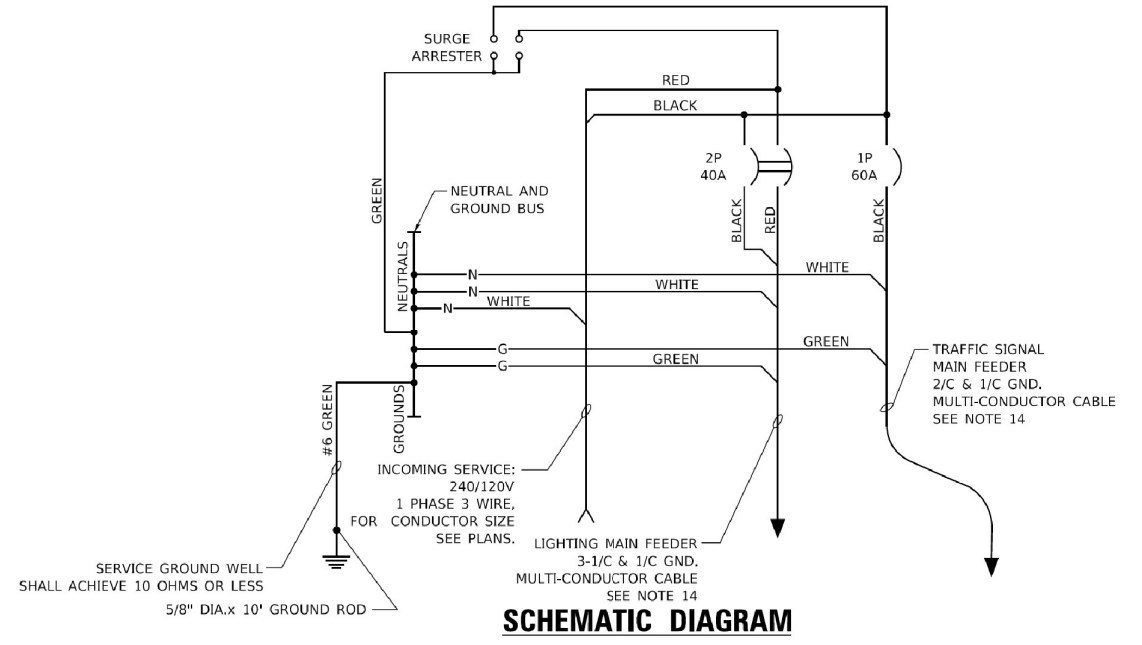
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	FAP 0326 22 BJ	McHENRY	75	47
BE-805		CONTRACT NO. 62T01		
ILLINOIS FED. AID PROJECT				



**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 CM0V230L065XST 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

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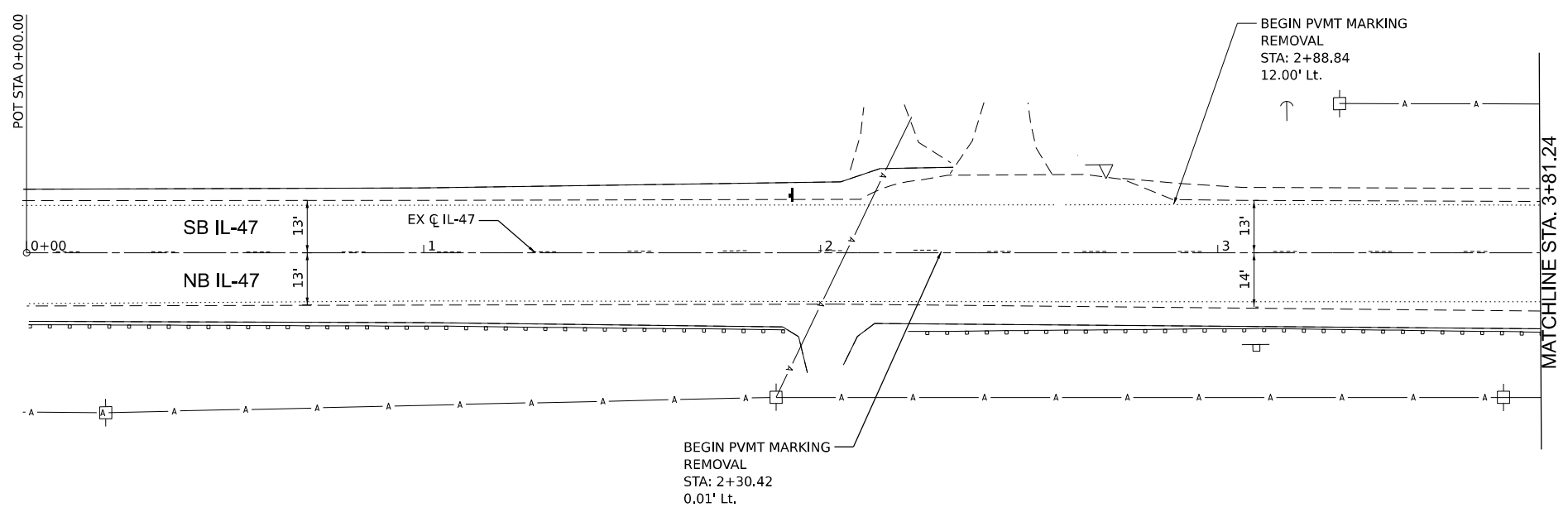
6" DECAL ON FRONT COVER

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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.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	FAP 0326 22 BJ	McHENRY	75	48
BE-805		CONTRACT NO. 62T01		
ILLINOIS FED. AID PROJECT				



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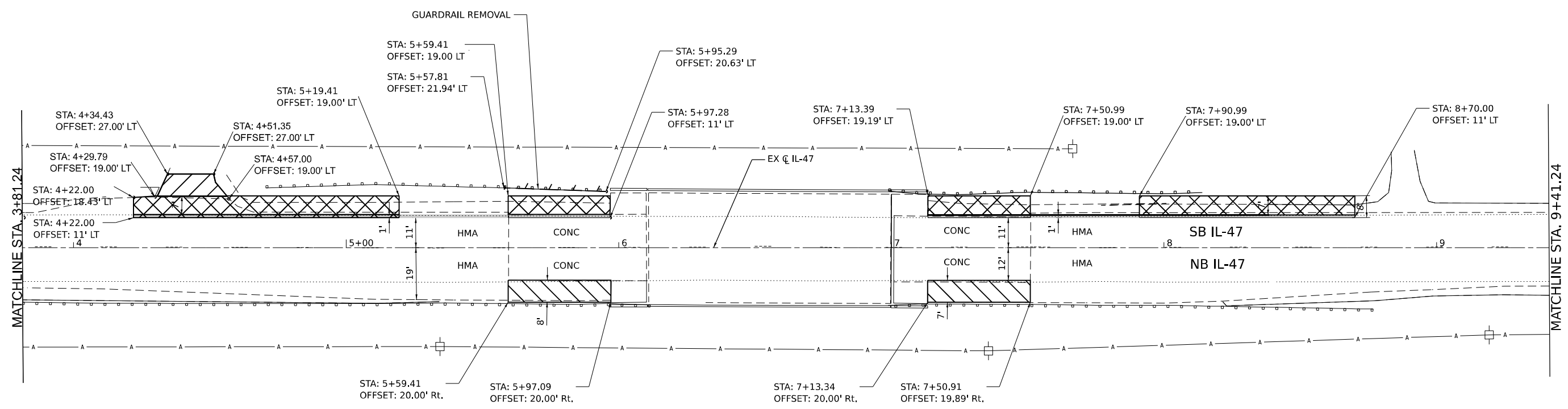
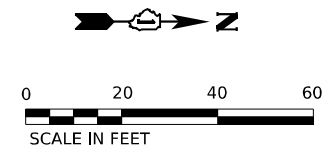
LEGEND	
	AGGREGATE SHOULDER REMOVAL
	DRIVEWAY PAVEMENT REMOVAL
	PAVEMENT REMOVAL
	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/4"
	GUARDRAIL REMOVAL

WSP USA Inc. 30 N. LASALLE STREET SUITE 4200 CHICAGO, IL 60602 TEL: (312) 782-8150 FAX: (312) 782-1884	USER NAME = USHA669697	DESIGNED -	REVISED -
	PLOT SCALE = 40,000' / in.	DRAWN -	REVISED -
	PLOT DATE = 5/3/2023	CHECKED -	REVISED -
		DATE 05/05/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REMOVAL PLANS			
SCALE: 1" = 20'	SHEET 1	OF 3 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0326	FAP 032622 BJ	McHENRY	75	49
CONTRACT NO. 62T01				
ILLINOIS FED. AID PROJECT				



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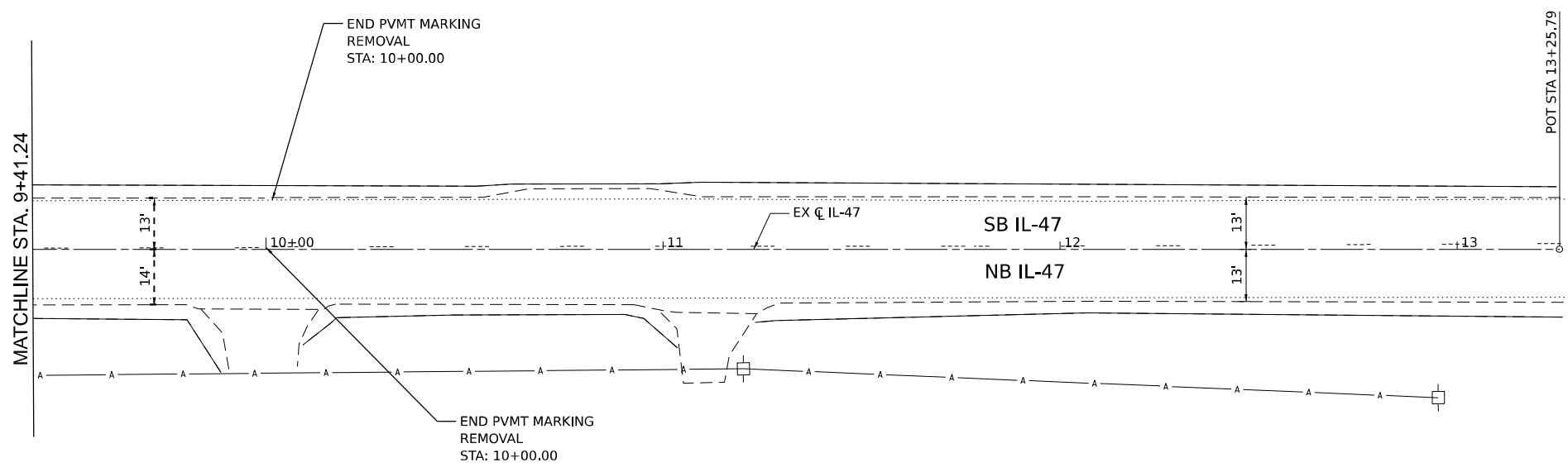
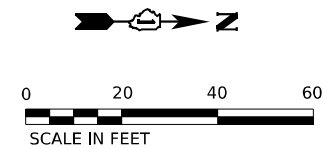
LEGEND	
	AGGREGATE SHOULDER REMOVAL
	DRIVEWAY PAVEMENT REMOVAL
	PAVEMENT REMOVAL
	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"
	GUARDRAIL REMOVAL

WSP USA Inc. 30 N. LASALLE STREET SUITE 4200 CHICAGO, IL 60602 TEL: (312) 782-8150 FAX: (312) 782-1884	USER NAME = USHA669697	DESIGNED -	REVISED -
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	PLOT DATE = 5/3/2023	CHECKED -	REVISED -
		DATE 05/05/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REMOVAL PLANS			
SCALE: 1" = 20'	SHEET 2	OF 3 SHEETS	STA. TO STA.

F.A.P. RTE. 0326	SECTION FAP 032622 BJ	COUNTY MCHENRY	TOTAL SHEETS 75	SHEET NO. 50
			CONTRACT NO. 62T01	
ILLINOIS FED. AID PROJECT				



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LEGEND	
	AGGREGATE SHOULDER REMOVAL
	DRIVEWAY PAVEMENT REMOVAL
	PAVEMENT REMOVAL
	HOT-MIX ASPHALT SURFACE REMOVAL, 1 3/4"
	GUARDRAIL REMOVAL



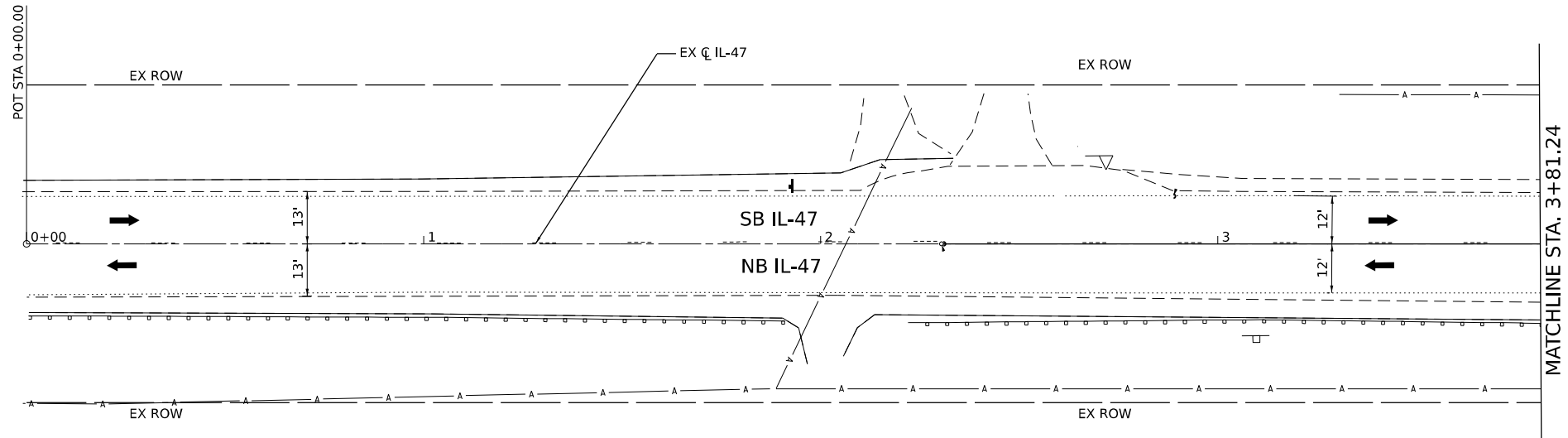
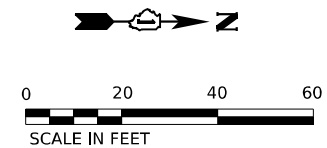
WSP USA Inc.
 30 N. LASALLE STREET
 SUITE 4200
 CHICAGO, IL 60602
 TEL: (312) 752-8150
 FAX: (312) 752-1584

USER NAME = USHA669697	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40,000' / in.	CHECKED -	REVISED -
PLOT DATE = 5/3/2023	DATE 05/05/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REMOVAL PLANS			
SCALE: 1" = 20'	SHEET 3	OF 3 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0326	FAP 032622 BJ	McHENRY	75	51
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62T01	



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LEGEND	
	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70, 2" HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 6"
	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70, 1 3/4" HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 8"
	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70, 3"
	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70, 1 3/4"
	HMA BUTT JOINT (SEE BUTT JOINT AND HMA TAPER DETAILS)
	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 2" HOT-MIX ASPHALT BASE COURSE, 6"

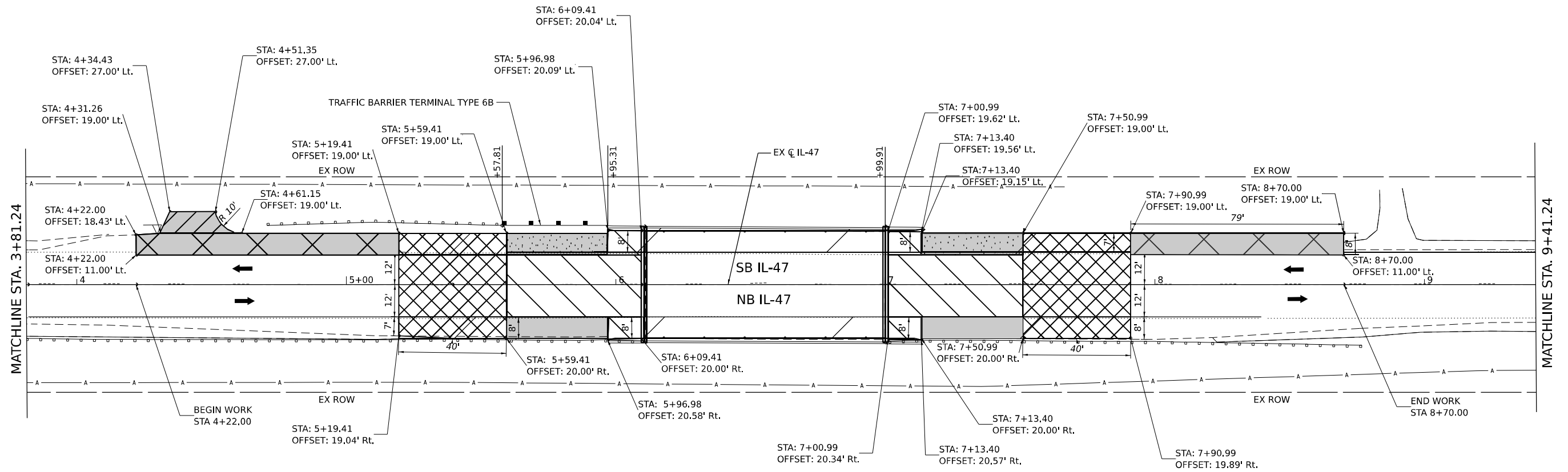
WSP USA Inc. 30 N. LASALLE STREET SUITE 4200 CHICAGO, IL 60602 TEL: (312) 782-8150 FAX: (312) 782-1884	USER NAME = USHA669697	DESIGNED -	REVISED -	
	PLOT SCALE = 40,000' / in.	CHECKED -	REVISED -	
	PLOT DATE = 5/3/2023	DATE 05/05/2023	REVISED -	

DRAWN -	REVISED -
CHECKED -	REVISED -
DATE 05/05/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

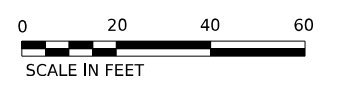
ROADWAY PLANS			
SCALE: N.T.S	SHEET 1	OF 3 SHEETS	STA. TO STA.

F.A.P. RTE. 0326	SECTION FAP 032622 BJ	COUNTY MCHENRY	TOTAL SHEETS 75	SHEET NO. 52
			CONTRACT NO. 62T01	
ILLINOIS FED. AID PROJECT				



LEGEND	
	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70, 2" HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 6"
	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70, 1 3/4" HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 8"
	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70, 3"
	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70, 1 3/4"
	HMA BUTT JOINT (SEE BUTT JOINT AND HMA TAPER DETAILS)
	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 2" HOT-MIX ASPHALT BASE COURSE, 6"

- NOTES:
- SEE HOT-MIX ASPHALT MIXTURE REQUIREMENTS TABLE FOR MIXTURE DESIGN.
 - THE CONTRACTOR SHALL COORDINATE DRIVEWAY WORK WITH PROPERTY OWNER.
 - RAISED REFLECTIVE PAVEMENT MARKERS SHALL NOT BE INSTALLED WITHIN BRIDGE LIMITS.



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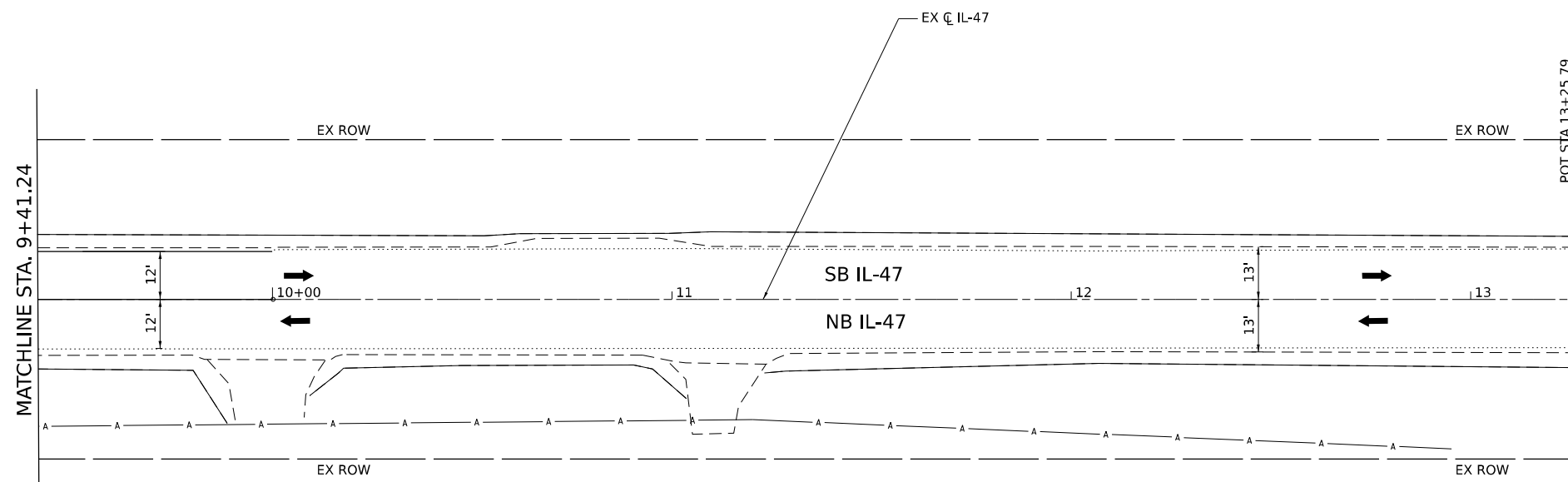
WSP USA Inc.
30 N. LASALLE STREET
SUITE 4200
CHICAGO, IL 60602
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FAX: (312) 782-1884

USER NAME = USHA669697	DESIGNED -	REVISED -
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PLOT DATE = 5/3/2023	DATE 05/05/2023	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ROADWAY PLANS				
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0326	FAP 032622 BJ	McHENRY	75	53
SCALE: N.T.S. SHEET 2 OF 3 SHEETS STA. TO STA.				

ILLINOIS FED. AID PROJECT		CONTRACT NO. 62T01
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LEGEND	
	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70, 2" HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 6"
	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70, 1 3/4" HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 8"
	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70, 3"
	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70, 1 3/4"
	HMA BUTT JOINT (SEE BUTT JOINT AND HMA TAPER DETAILS)
	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 2" HOT-MIX ASPHALT BASE COURSE, 6"

NOTES:
1. SEE HOT-MIX ASPHALT MIXTURE REQUIREMENTS TABLE FOR MIXTURE DESIGN.



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 FAX: (312) 782-1884

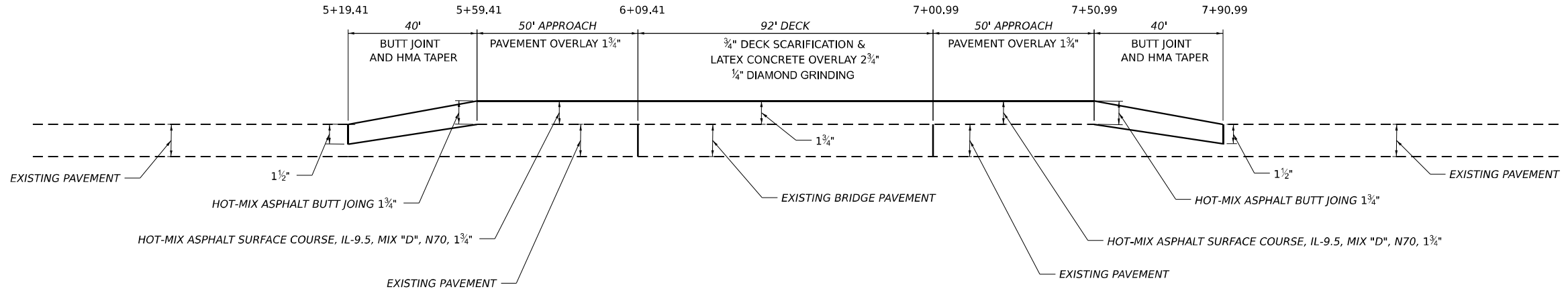
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	DATE 05/05/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY PLANS

SCALE: N.T.S. SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0326	FAP 032622 BJ	McHENRY	75	54
CONTRACT NO. 62T01			ILLINOIS FED. AID PROJECT	



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 SUITE 4200
 CHICAGO, IL 60602
 TEL: (312) 782-8150
 FAX: (312) 782-1884

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PLOT SCALE = 40,000' / in.
PLOT DATE = 5/5/2023

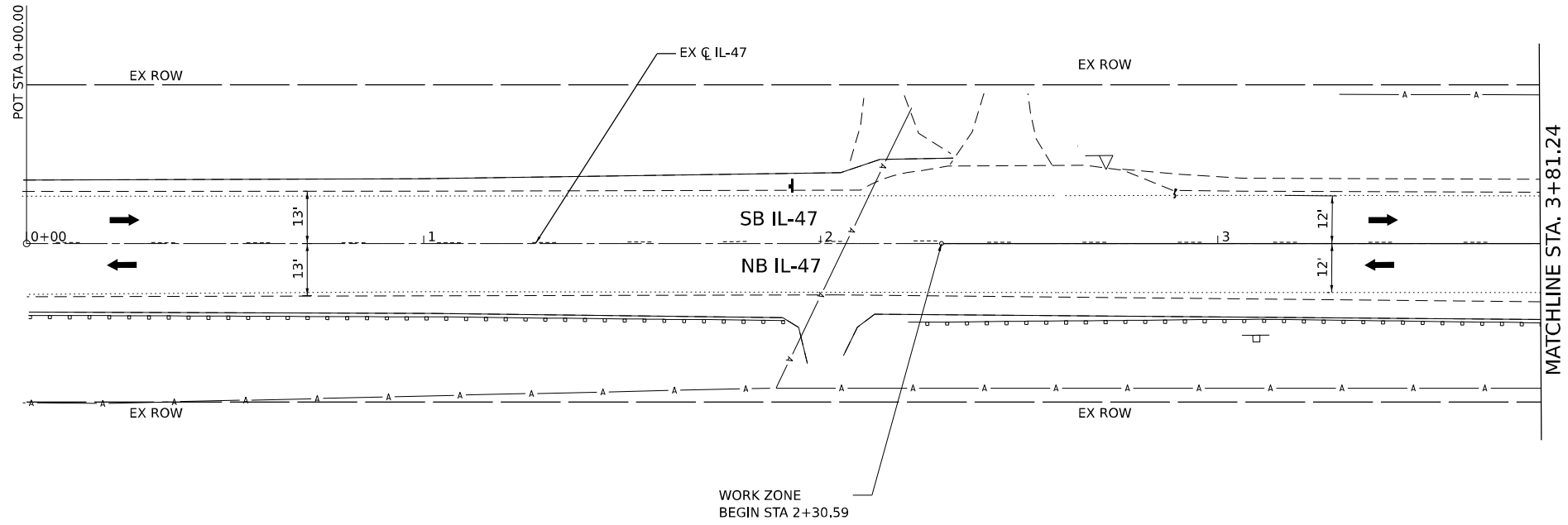
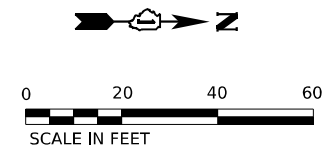
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CHECKED -	REVISED -
DATE 05/05/2023	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

ROADWAY PROFILE

SCALE: N.T.S SHEET 2 OF 3 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0326	FAP 032622 BJ	McHENRY	75	55
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62T01	



LEGEND	
	PERIMETER EROSION BARRIER

- NOTES:
- TOTAL QUANTITY FOR PERIMETER EROSION BARRIER ON THIS SHEET IS 0 FEET.
 - PERIMETER EROSION BARRIER SHALL BE INSTALLED PRIOR TO ANY WORK COMMENCING AND SHALL REMAIN IN PLACE UNTIL THE END OF CONSTRUCTION.

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 30 N. LASALLE STREET
 SUITE 4200
 CHICAGO, IL 60602
 TEL: (312) 782-8150
 FAX: (312) 782-1684

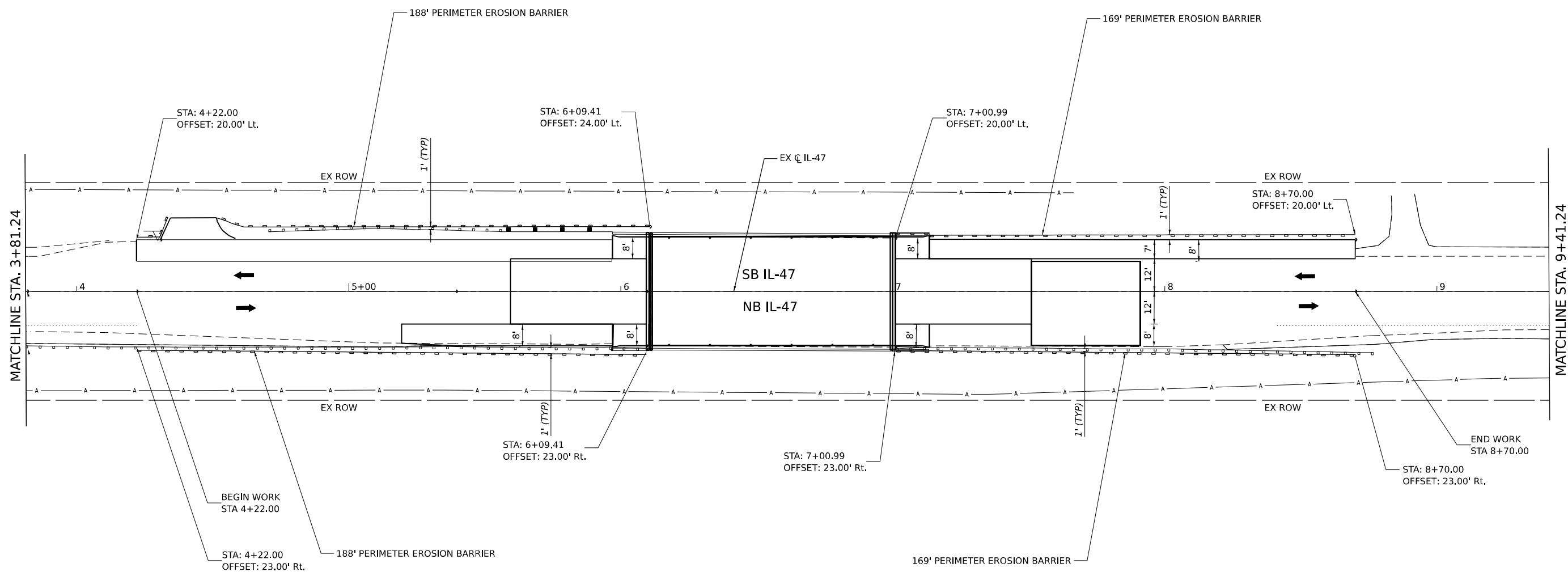
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PLOT DATE = 5/3/2023	CHECKED -	REVISED -
	DATE 05/05/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION CONTROL PLANS

SCALE: N.T.S SHEET 1 OF 3 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0326	FAP 032622 BJ	McHENRY	75	56
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62T01	



- NOTES:
- TOTAL QUANTITY FOR PERIMETER EROSION BARRIER ON THIS SHEET IS 714 FEET.
 - PERIMETER EROSION BARRIER SHALL BE INSTALLED PRIOR TO ANY WORK COMMENCING AND SHALL REMAIN IN PLACE UNTIL THE END OF CONSTRUCTION.



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 30 N. LASALLE STREET
 SUITE 4200
 CHICAGO, IL 60602
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 FAX: (312) 752-1584

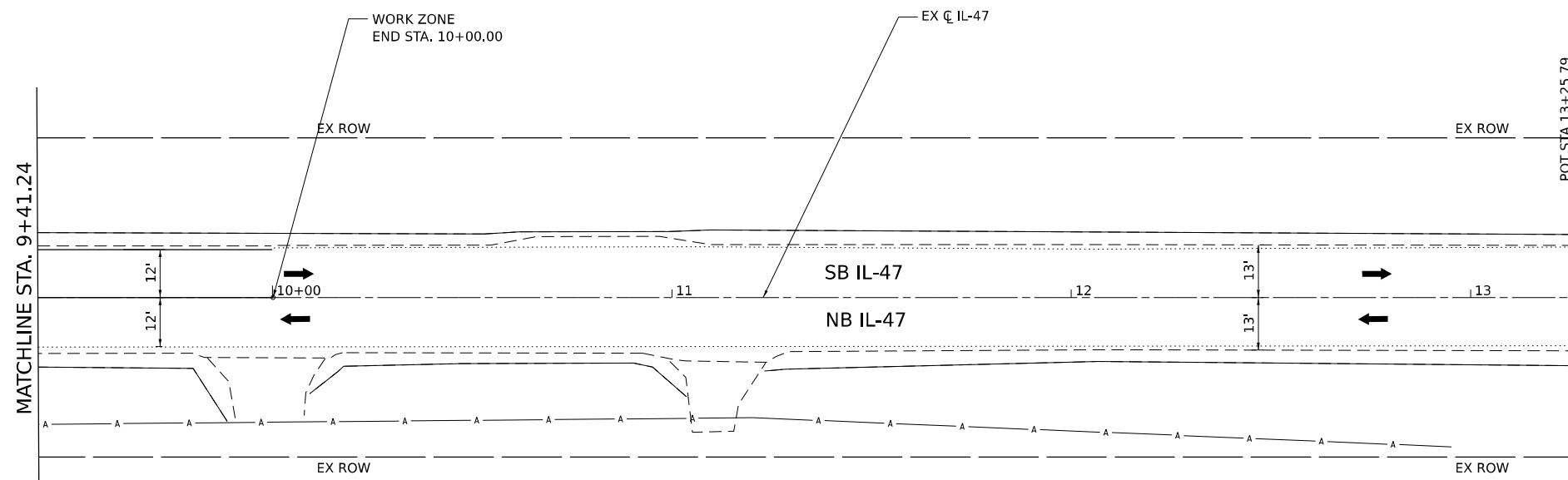
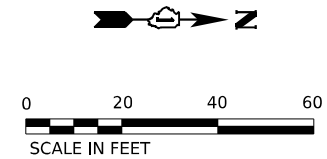
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PLOT DATE = 5/3/2023	CHECKED -	REVISED -
	DATE 05/05/2023	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

EROSION CONTROL PLANS

SCALE: N.T.S SHEET 2 OF 3 SHEETS STA. TO STA.

F.A.P. RTE. 0326	SECTION FAP 032622 BJ	COUNTY MCHENRY	TOTAL SHEETS 75	SHEET NO. 57
CONTRACT NO. 62T01			ILLINOIS FED. AID PROJECT	



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LEGEND	PERIMETER EROSION BARRIER

- NOTES:
- TOTAL QUANTITY FOR PERIMETER EROSION BARRIER ON THIS SHEET IS 0 FEET.
 - PERIMETER EROSION BARRIER SHALL BE INSTALLED PRIOR TO ANY WORK COMMENCING AND SHALL REMAIN IN PLACE UNTIL THE END OF CONSTRUCTION.

	WSP USA Inc. 30 N. LASALLE STREET SUITE 4200 CHICAGO, IL 60602 TEL: (312) 782-8150 FAX: (312) 752-1584	USER NAME = USHA669697 DESIGNED - DRAWN - CHECKED - PLOT DATE = 5/3/2023	REVISED - REVISED - REVISED - REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

EROSION CONTROL PLANS			
SCALE: N.T.S	SHEET	OF	SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0326	FAP 032622 BJ	McHENRY	75	58
CONTRACT NO. 62T01				
ILLINOIS		FED. AID PROJECT		

Existing Structure: S.N. 056-0053 is a single span PPC I-Beam structure with a total length of 92'-7" and a total out to out width of 43'-2". The stub abutments are supported on concrete piles. The structure was constructed in 1985 under section 104B(1)R-83.

Traffic Control: Traffic shall be maintained utilizing Stage Construction and temporary traffic signals.

SCOPE OF WORK

1. Perform bridge deck scarification 3/4 inch.
2. Replace existing joints with preformed joint strip seals.
3. Repair bridge deck and approach slabs.
4. Construct bridge deck latex concrete overlay, 2 3/4 inches
5. Perform 1/4" diamond grinding.
6. Perform PPC I-beam repairs.
7. Clean and paint steel portion of bearings at both abutments and replace side retainer angles.
8. Apply protective coat to deck and parapets.
9. Repair abutments.

DESIGN SPECIFICATIONS

2002 AASHTO Standard Specifications for Highway Bridges with Interims

LOADING HS-20 & ALT.

No allowance for future wearing surface.

DESIGN STRESSES

FIELD UNITS (NEW CONSTRUCTION)

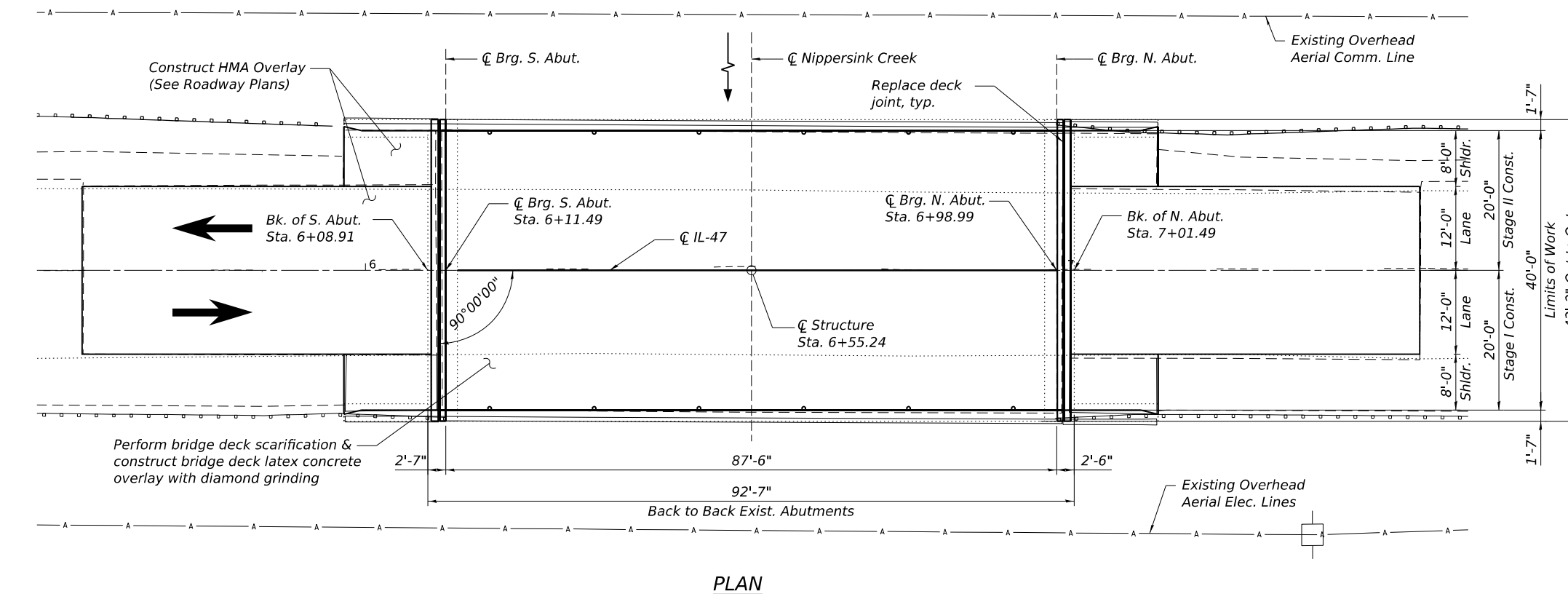
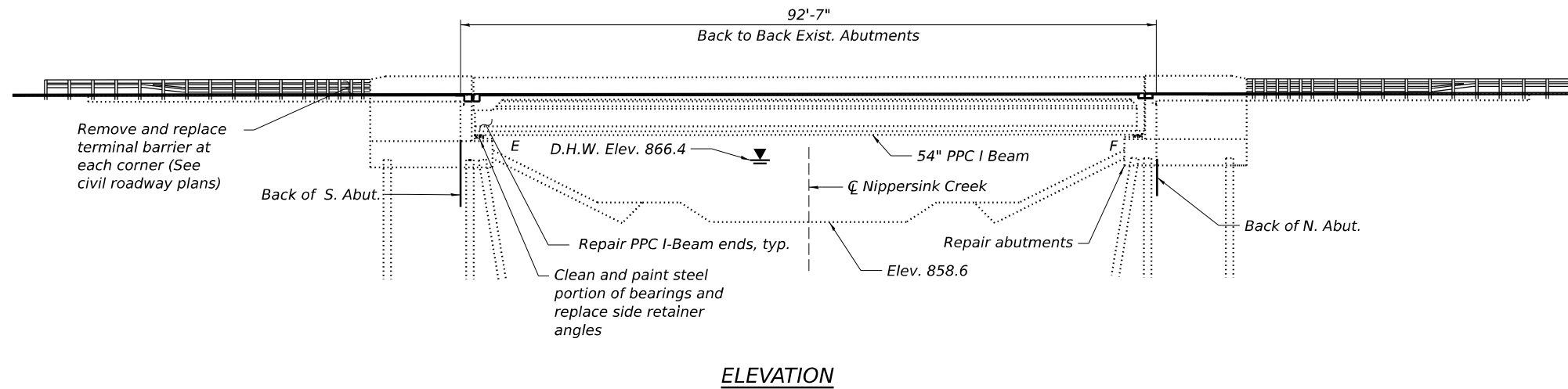
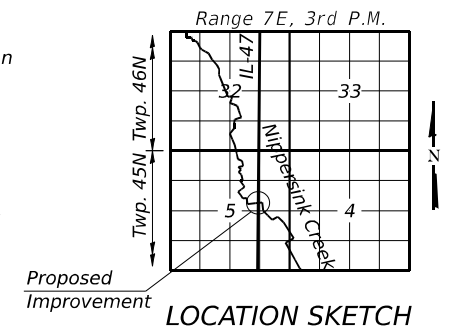
f_c = 4,000 psi (Superstructure)
f_y = 60,000 psi (Reinforcement)


FIELD UNITS (EXIST. CONSTRUCTION)

f_c = 3,500 psi
f_c = 6,000 psi (PPC Units)
f_y = 60,000 psi (Reinforcement)
f_y = 36,000 psi (M270 Grade 36)

INDEX OF SHEETS

1. General Plan & Elevation
2. General Notes & Bill of Material
3. Stage Construction Details
4. Deck and Approach Slab Repair Plan
5. Joint Replacement I
6. Joint Replacement II
7. Preformed Joint Strip Seal
8. Framing Plan
9. Beam Repair Details
10. Abutment Repair Details
11. Bar Splicer Assembly & Mechanical Splicer Details



Signed 
PATRICK J. LAUX, S.E. Il. Lic. No. 081-007655
Expires 11-30-2024.
Date 6/21/2023

GENERAL PLAN & ELEVATION
IL-47 OVER NIPPERSINK CREEK
F.A.P. RTE 0326 - SECTION 0326 22 BJ
McHENRY COUNTY
STATION 6+55.24
S.N. 056-0053

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WSP
WSP USA Inc.
30 N. LASALLE STREET
SUITE 4000
CHICAGO, IL 60602
TEL: (312) 782-8150
FAX: (312) 782-1884

USER NAME = USMN679328	DESIGNED - MN	REVISED - _____
DRAWN - MN	CHECKED - PJJ	REVISED - _____
PLOT SCALE = 1/8" = 19:11.9904'"/in.	DATE - 6/21/2023	REVISED - _____
PLOT DATE = 6/21/2023		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE. 0326	SECTION FAP 0326 22 BJ	COUNTY McHENRY	TOTAL SHEETS 74	SHEET NO. 59
CONTRACT NO. 62T01				

GENERAL NOTES

1. Reinforcement bars designated (E) shall be epoxy coated.
2. Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering 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 at the unit price bid for the work.
3. 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.
4. Protective coat shall be applied to the new latex concrete overlay and to the front and top face of bridge parapets.
5. Cost of removal and disposal of existing expansion joints shall be included in the cost of Concrete Removal.
6. Joint openings shall be adjusted according to Article 520.04 of the Std. Specs. when the deck is poured at an ambient temperature other than 50°F.
7. Expansion joints shall be fabricated to conform to the existing cross slope of the bridge.
8. The Contractor shall exercise care during removal of existing joints to ensure that the slab, beams, and diaphragms' integrity will not be detrimentally impacted. The Contractor shall repair any damage(s) to the slab, beams, and diaphragms caused by his/her operation as directed by the Engineer at no additional cost to the Department.

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Concrete Removal	Cu. Yd.	3.9	-	3.9
Concrete Superstructure	Cu. Yd.	4.8	-	4.8
Protective Coat	Sq. Yd.	495	-	495
Reinforcement Bars, Epoxy Coated	Pound	770	-	770
Bar Splicers	Each	8	-	8
Preformed Joint Strip Seal	Foot	84	-	84
Acrylic Coating	Sq. Yd.	11	-	11
Fiber Wrap	Sq. Ft.	99	-	99
Cleaning and Painting Bearings	Each	14	-	14
Bridge Deck Grooving (Longitudinal)	Sq. Yd.	234	-	234
Approach Slab Repair (Partial Depth)	Sq. Yd.	27	-	27
Bridge Deck Latex Concrete Overlay, 2 3/4 Inches	Sq. Yd.	390	-	390
Bridge Deck Scarification 3/4 Inch	Sq. Yd.	390	-	390
Structural Repair of Concrete (Depth Equal To or Less Than 5 Inches)	Sq. Ft.	-	13	13
* Deck Slab Repair (Full Depth, Type I)	Sq. Yd.	1	-	1
Diamond Grinding (Bridge Section)	Sq. Yd.	406	-	406
Precast Prestressed Concrete I-Beam Repair	Sq. Ft.	27	-	27

* Areas of deck repair shown are estimated. The Engineer shall show actual locations of deck repairs on as-built plans.

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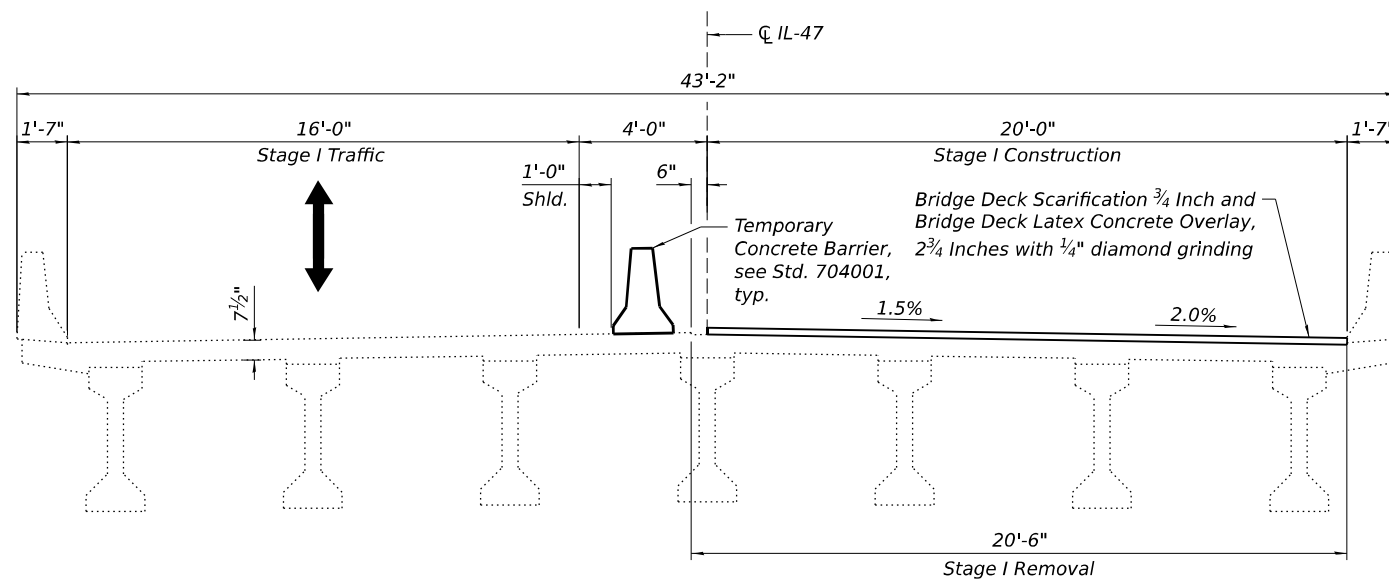
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

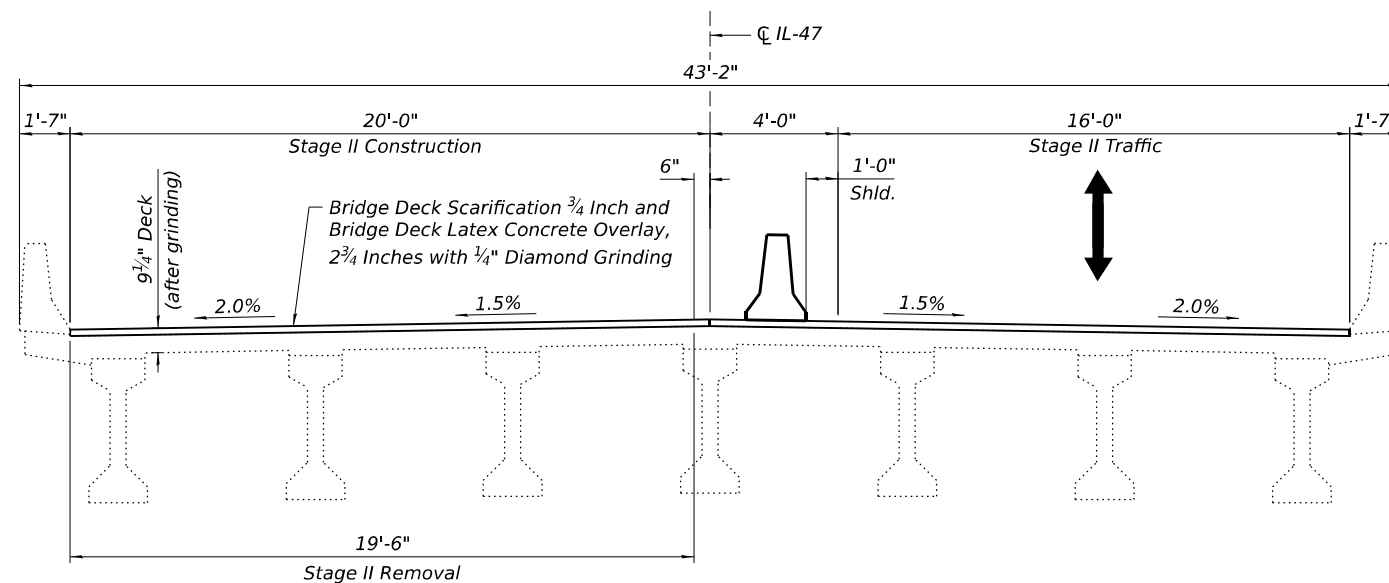
GENERAL NOTES & BILL OF MATERIAL
IL-47 OVER NIPPERSINK CREEK - STRUCTURE NO. 056-0053

SHEET 2 OF 11 SHEETS

F.A.P. RTE. 0326	SECTION FAP 0326 22 BJ	COUNTY MCHENRY	TOTAL SHEETS 74	SHEET NO. 60
CONTRACT NO. 62T01			ILLINOIS FED. AID PROJECT	



STAGE I CROSS SECTION
(Looking North)



STAGE II CROSS SECTION
(Looking North)

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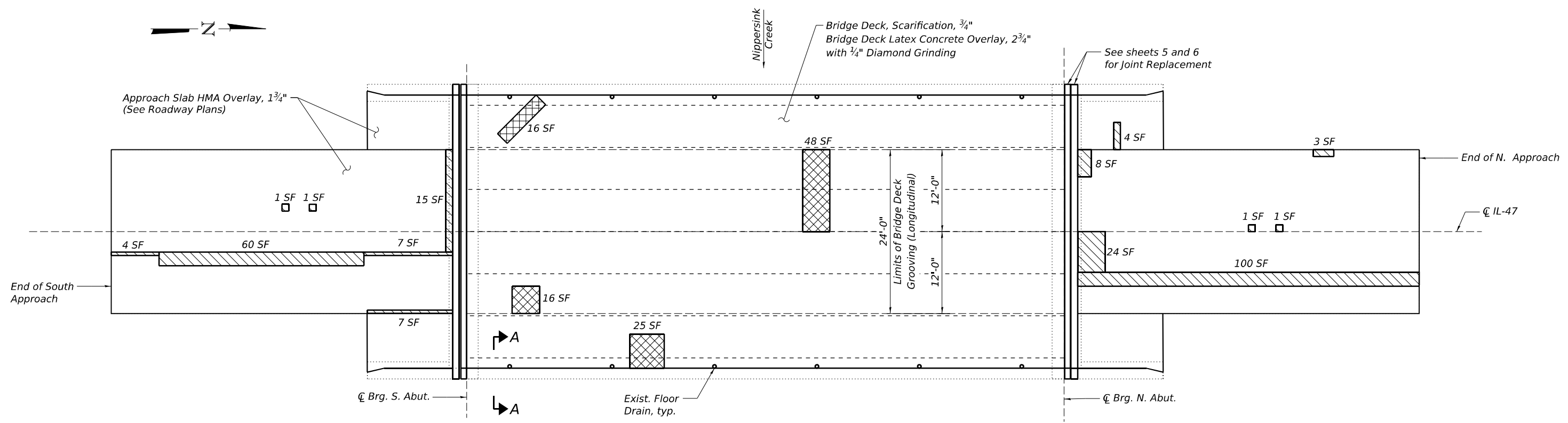
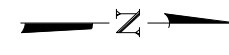
WSP
 WSP USA Inc.
 30 N. LASALLE STREET
 SUITE 4000
 CHICAGO, IL 60602
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 FAX: (312) 782-1884

USER NAME = USMN679328	DESIGNED - MN	REVISED - _____
	DRAWN - MN	REVISED - _____
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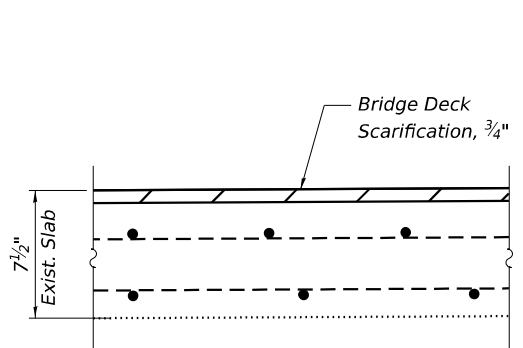
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGE CONSTRUCTION DETAILS
IL-47 OVER NIPPERSINK CREEK - STRUCTURE NO. 056-0053

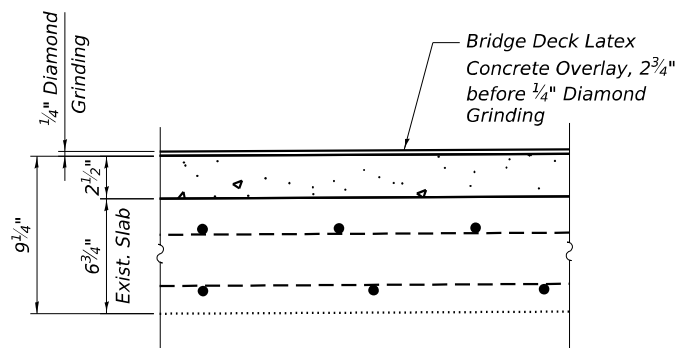
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0326	FAP 0326 22 BJ	McHENRY	74	61
CONTRACT NO. 62T01				
ILLINOIS FED. AID PROJECT				



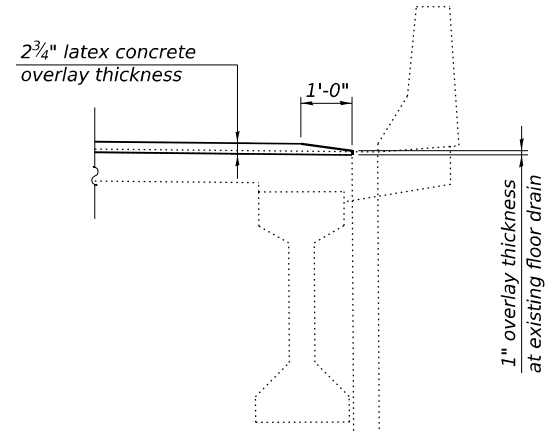
DECK AND APPROACH SLAB PLAN



EXISTING BRIDGE DECK CROSS SECTION



PROPOSED BRIDGE DECK CROSS SECTION



SECTION A-A

- LEGEND**
- Deck Slab Repair (Partial Depth) (*For Information only)
 - Deck Slab Repair (Full Depth, Type I) (**Actual areas, as req'd)
 - Approach Slab Repair (Partial Depth)
 - SF - Square Feet

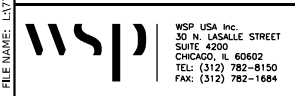
Notes:
 Bridge Deck Latex Concrete Overlay, 2 3/4" shall be diamond grinded and grooved, see Special Provisions.
 Quantities and limits of repairs shown are estimated only. The actual areas to be repaired shall be determined by the Engineer at the time of construction.

BILL OF MATERIAL

Item	Unit	Quantity
* Deck Slab Repair (Partial Depth)	Sq. Yd.	12
** Deck Slab Repair (Full Depth, Type I)	Sq. Yd.	1
Approach Slab Repair (Partial Depth)	Sq. Yd.	27

* Quantity listed for Deck Slab Repair (Partial) is for information only. See Bridge Deck Latex Concrete Overlay Special Provisions.
 ** A nominal quantity of 1 Sq. Yd. is provided for Deck Slab Repair (Full Depth, Type I). No areas of deck have been identified on plan for this item. The Engineer shall show actual locations of deck repairs on as-built plans.

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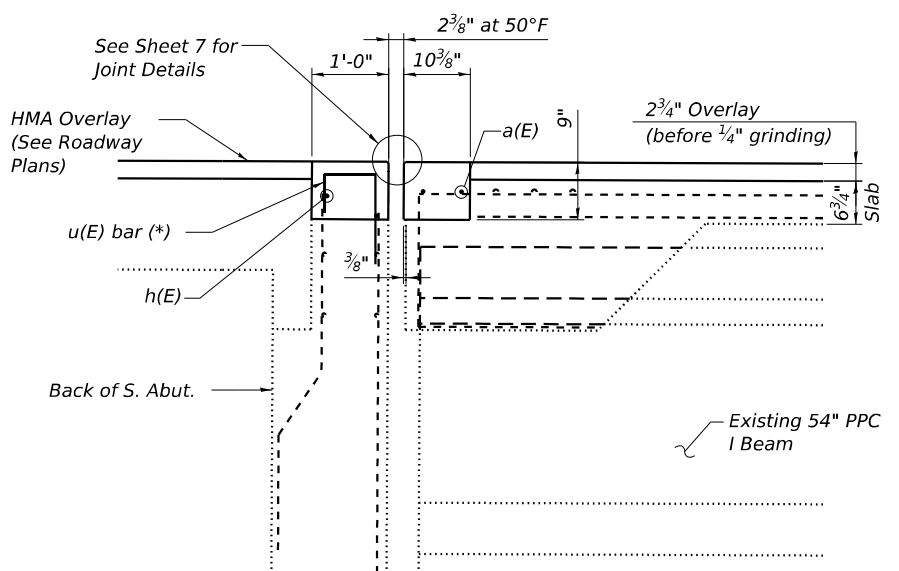
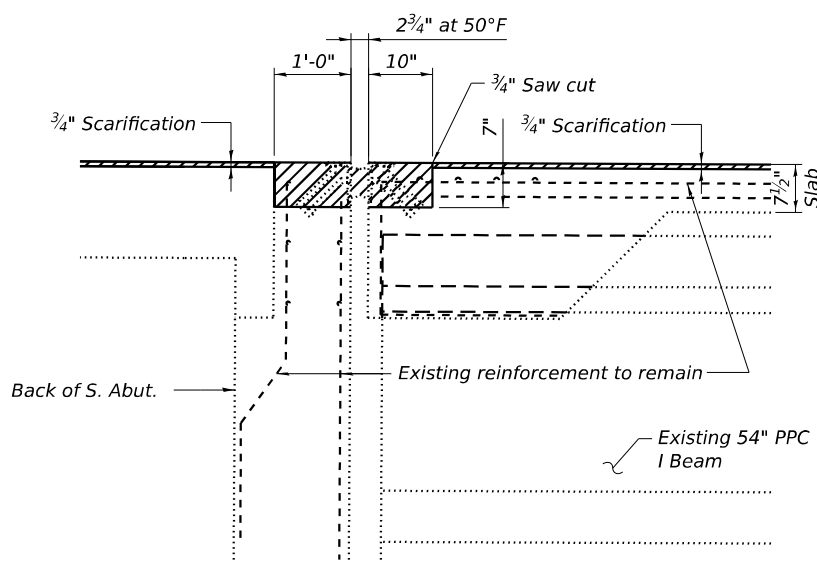
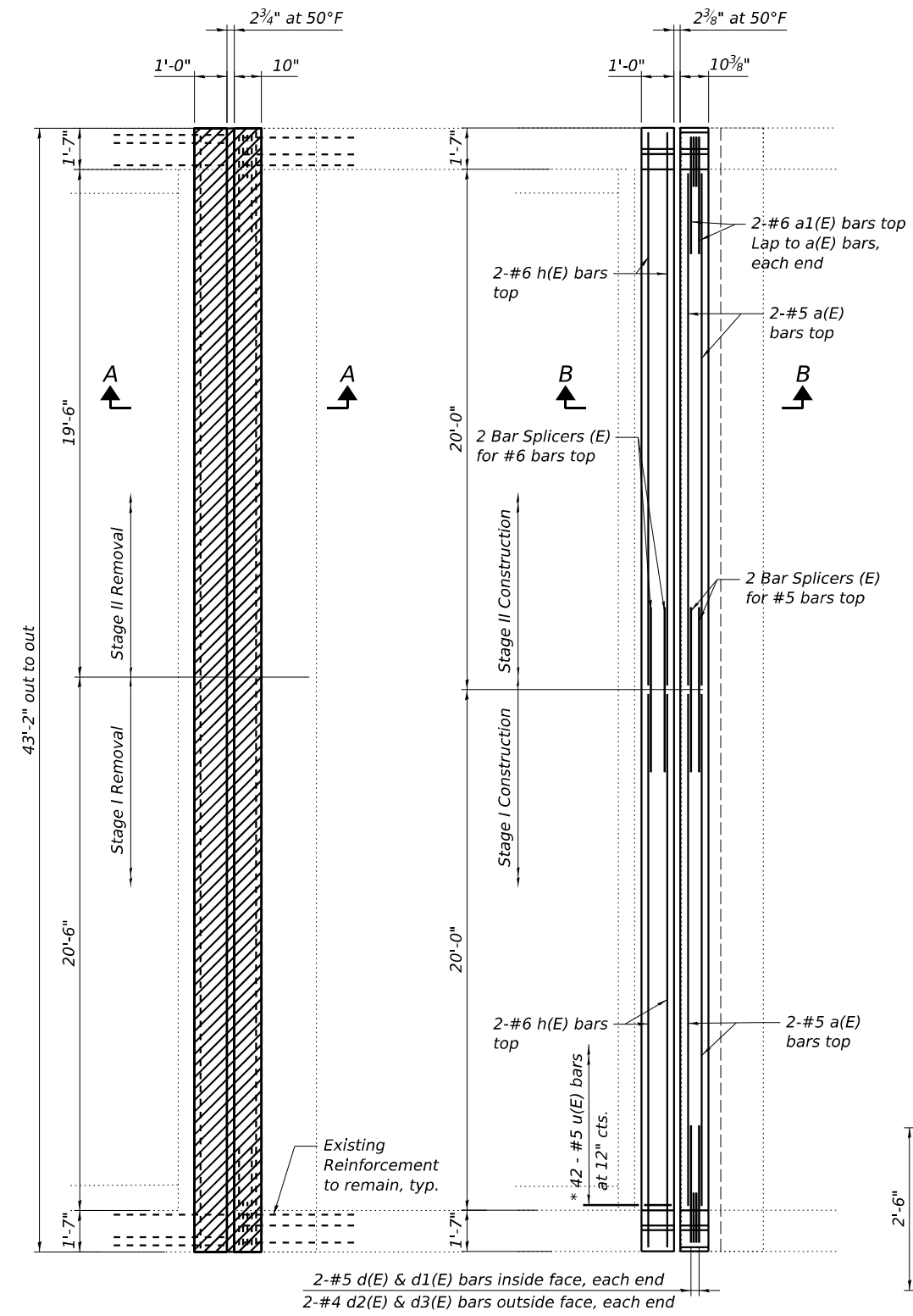
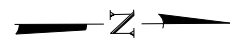


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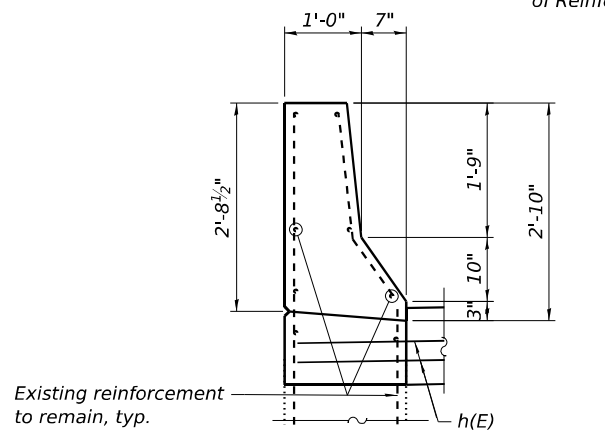
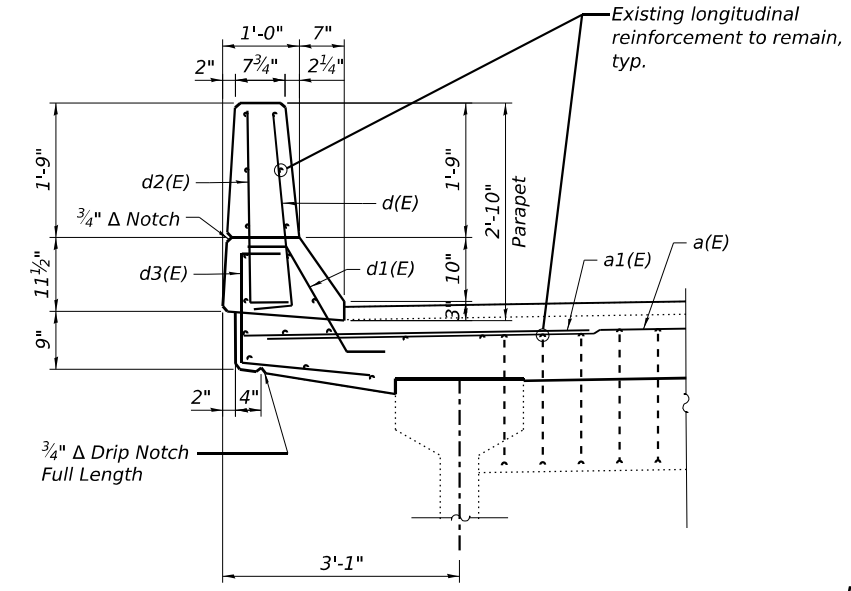
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DECK AND APPROACH SLAB REPAIR PLAN
IL-47 OVER NIPPERSINK CREEK - STRUCTURE NO. 056-0053

F.A.P. RTE. 0326	SECTION FAP 0326 22 BJ	COUNTY MCHENRY	TOTAL SHEETS 74	SHEET NO. 62
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62T01	



* Drill and grout bars according to Article 584 of the Std. Specs., with a minimum embedment of 7", place to miss existing abutment reinforcement. Cost included in the cost of Reinforcement Bars, Epoxy Coated

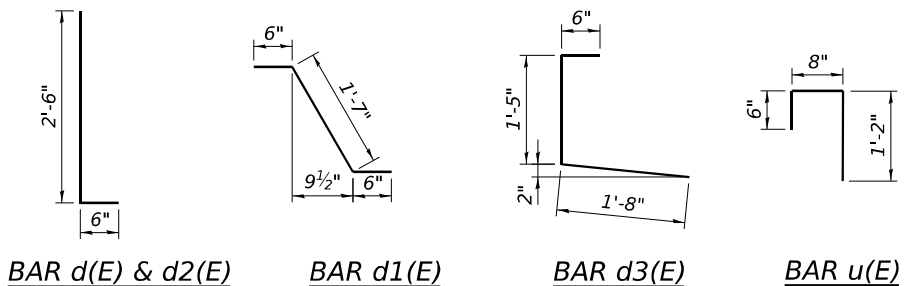


MINIMUM BAR LAP
#5 bar = 3'-6"
#6 bar = 4'-0"

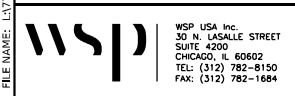
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a(E)	4	#5	20'-11"	—
a1(E)	4	#6	4'-6"	—
d(E)	4	#5	3'-0"	┘
d1(E)	4	#5	2'-7"	┘
d2(E)	4	#4	3'-0"	┘
d3(E)	4	#4	3'-7"	┘
h(E)	4	#6	21'-3"	—
u(E)	42	#5	2'-4"	┘
Concrete Removal			Cu. Yds.	2.1
Concrete Superstructures			Cu. Yds.	2.6
Reinforcement Bars, Epoxy Coated			Lbs.	390
Bar Splicers			Each	4

Notes:
Hatched areas indicate Concrete Removal. 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".



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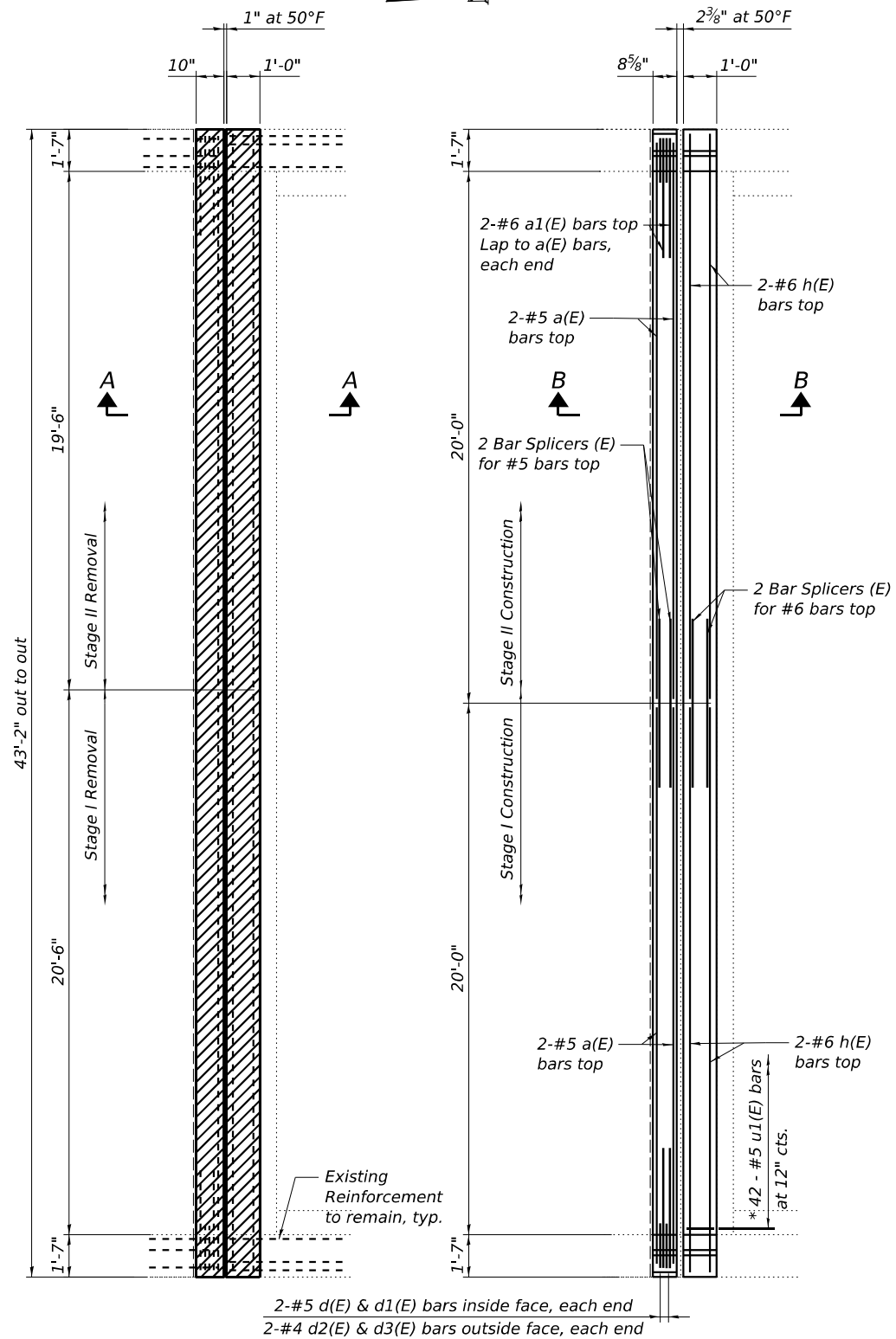
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 CHECKED - PJL
 DATE - 6/21/2023

REVISED - _____
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

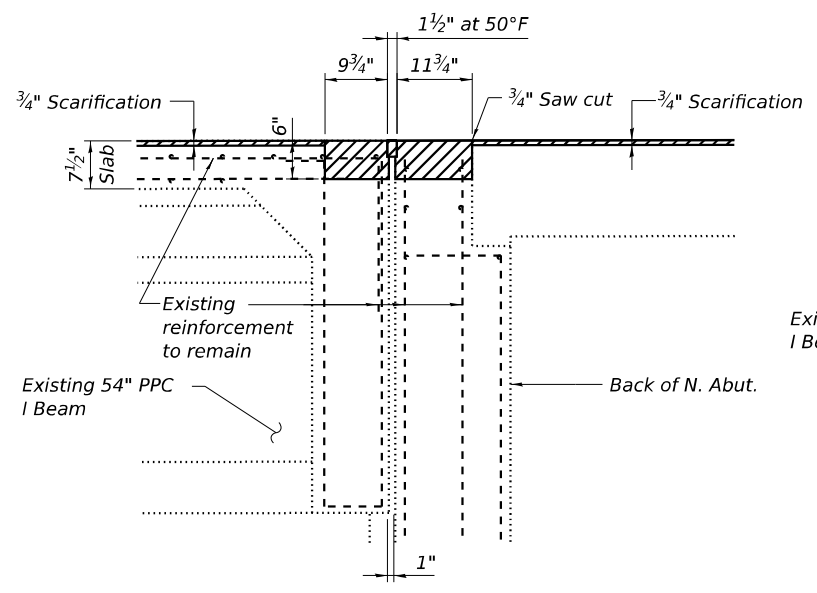
JOINT REPLACEMENT I
IL-47 OVER NIPPERSINK CREEK - STRUCTURE NO. 056-0053

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0326	FAP 0326 22 BJ	McHENRY	74	63
CONTRACT NO. 62T01				

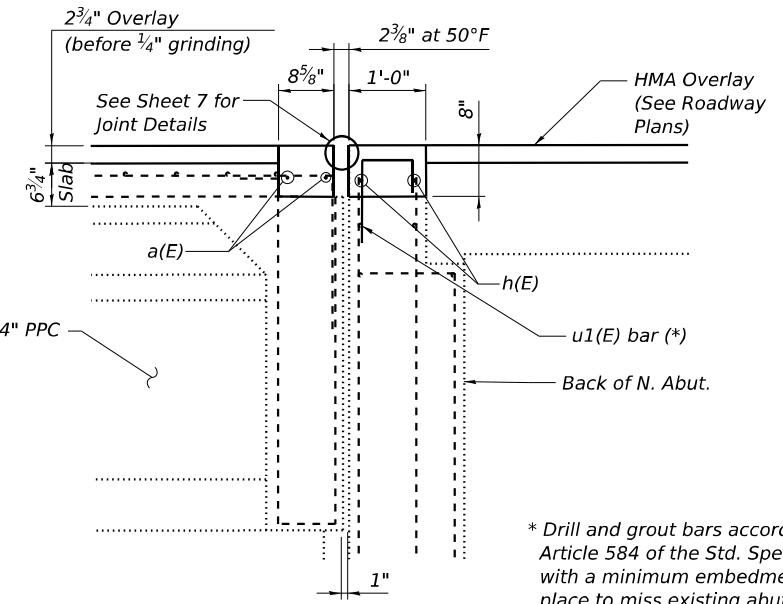


REMOVAL PLAN
North Joint

REPLACEMENT PLAN
North Joint

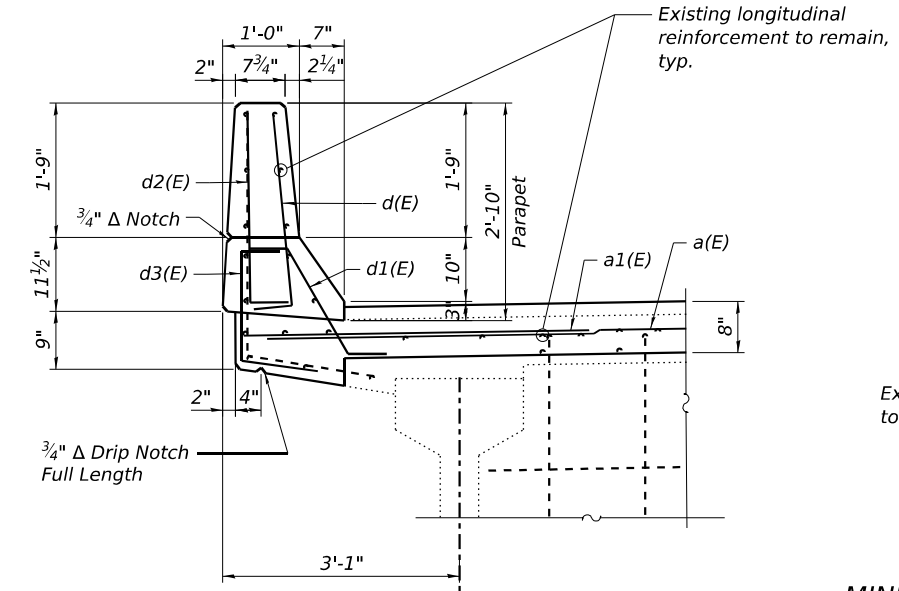


SECTION A-A

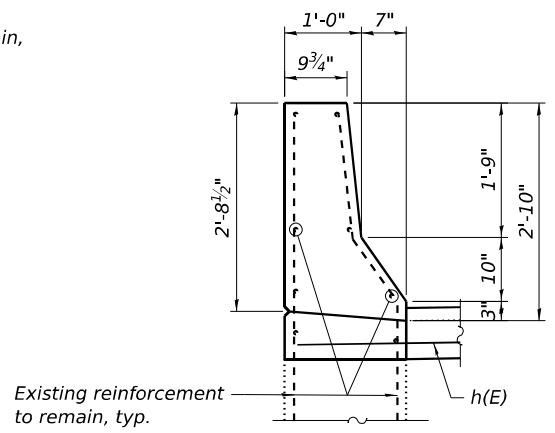


SECTION B-B

* Drill and grout bars according to Article 584 of the Std. Specs., with a minimum embedment of 7", place to miss existing abutment reinforcement. Cost included in the cost of Reinforcement Bars, Epoxy Coated



TYPICAL PARAPET SECTION



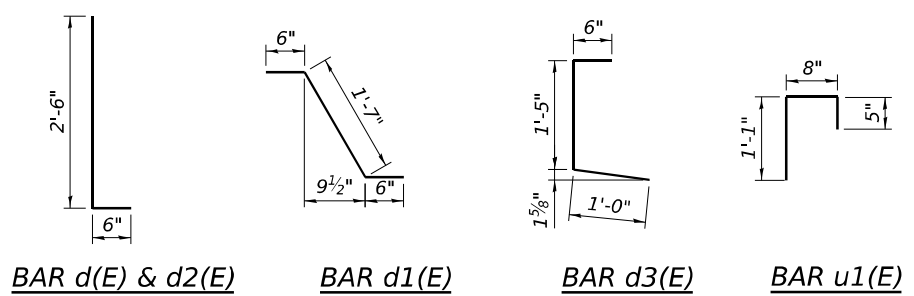
SECTION THRU APPROACH PARAPET

MINIMUM BAR LAP
#5 bar = 3'-6"
#6 bar = 4'-0"

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a(E)	4	#5	20'-11"	—
a1(E)	4	#6	4'-6"	—
d(E)	4	#5	3'-0"	┌
d1(E)	4	#5	2'-7"	┌
d2(E)	4	#4	3'-0"	┌
d3(E)	4	#4	2'-11"	┌
h(E)	4	#6	21'-3"	—
u1(E)	42	#5	2'-2"	┌
Concrete Removal			Cu. Yds.	1.8
Concrete Superstructures			Cu. Yds.	2.2
Reinforcement Bars, Epoxy Coated			Lbs.	380
Bar Splicers			Each	4

Notes:
Hatched areas indicate Concrete Removal. 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".



BAR d(E) & d2(E) **BAR d1(E)** **BAR d3(E)** **BAR u1(E)**

MODEL: D:\wsp\07\CAD\Drawings\Bids\0560053-02\T01-006-IT02.dgn



WSP USA Inc.
30 N. LASALLE STREET
SUITE 4000
CHICAGO, IL 60602
TEL: (312) 782-8150
FAX: (312) 782-1884

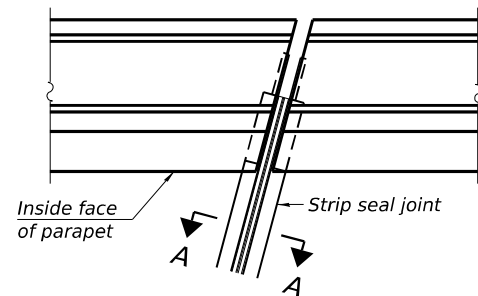
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	DATE - 6/21/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

JOINT REPLACEMENT II
IL-47 OVER NIPPERSINK CREEK - STRUCTURE NO. 056-0053

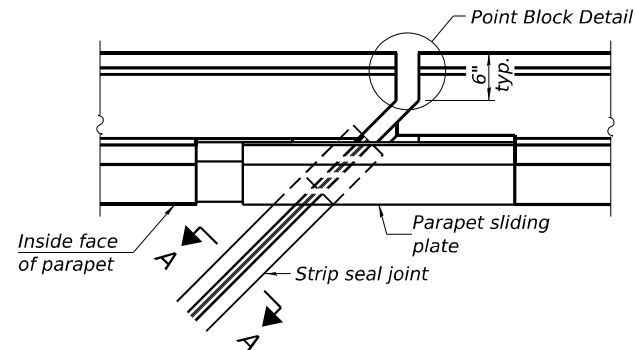
SHEET 6 OF 11 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0326	FAP 0326 22 BJ	MCHEMRY	74	64
CONTRACT NO. 62T01			ILLINOIS FED. AID PROJECT	



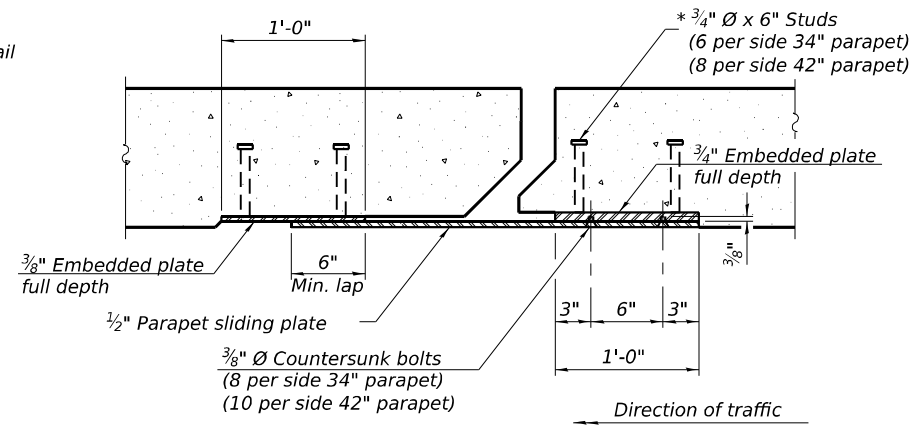
FOR SKEWS $\leq 30^\circ$

PLAN AT PARAPET

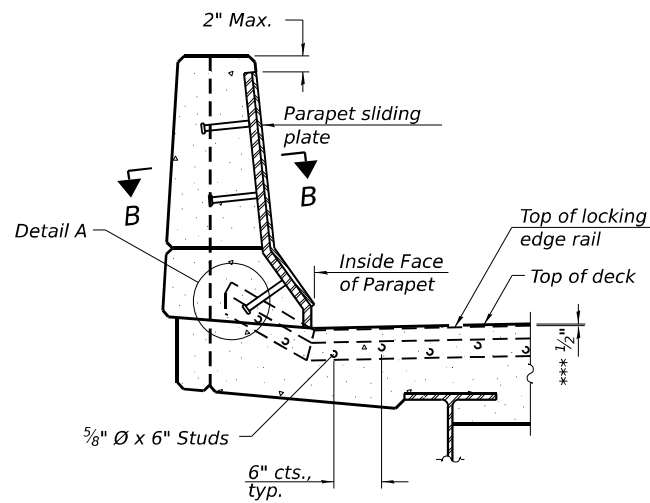


FOR SKEWS $> 30^\circ$

PLAN AT PARAPET

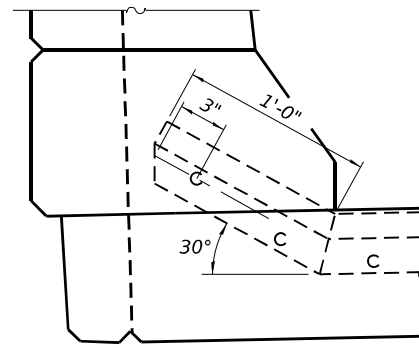


SECTION B-B

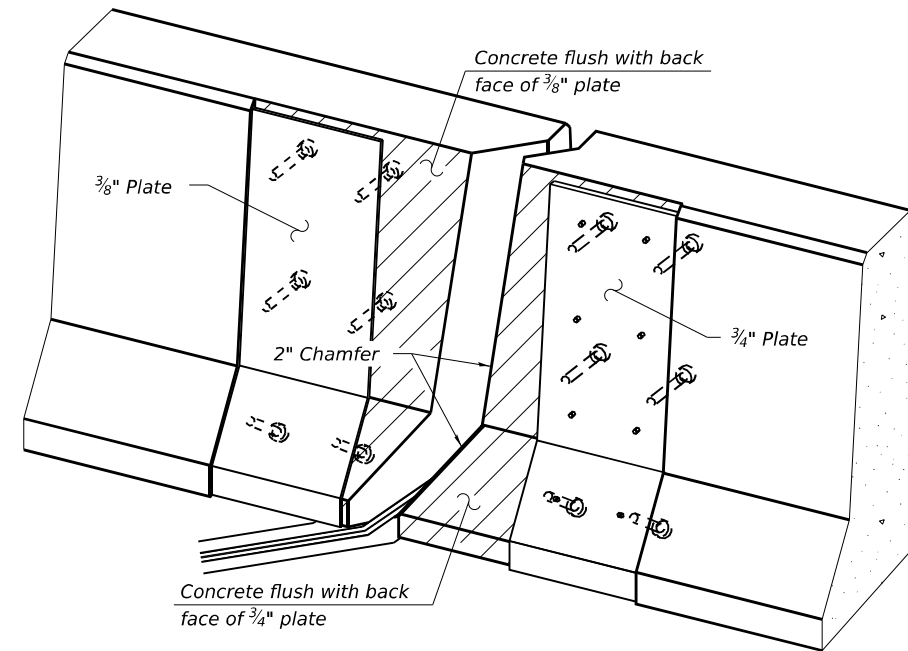


ELEVATION AT PARAPET

(Skews $> 30^\circ$ shown. Skews $\leq 30^\circ$ similar except as shown in plan view.)



DETAIL A



TRIMETRIC VIEW
(Showing embedded plates only)

Notes:

The strip seal shall be made continuous and shall have a minimum thickness of $\frac{1}{4}$ ". The configuration of the strip seal shall match the configuration of the locking edge rails. Open or "webbed" strip seal gland configurations are not permitted. The gland shall be sized for a maximum rated movement of 4 inches.

The locking edge rails depicted are configured for typical applications and are conceptual only. The actual configuration of the locking edge rails and matching strip seal may vary from manufacturer to manufacturer provided they fit the application and meet the minimum anchorage shown. Flanged edge rails, however, will not be allowed. Locking edge rails may exceed the $4\frac{1}{2}$ " maximum depth provided the anchorage system is revised according to the manufacturer's recommendation.

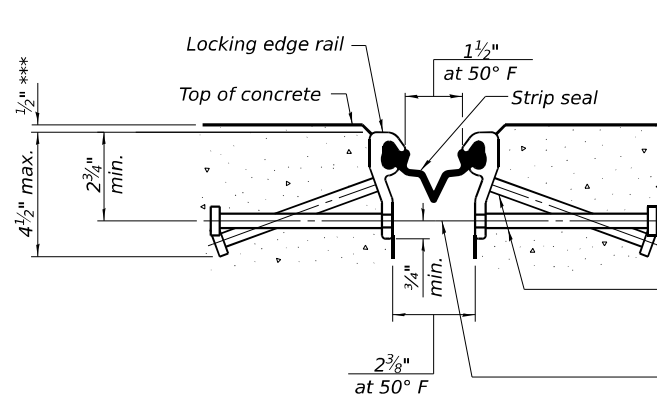
The manufacturer's recommended installation methods shall be followed.

All steel components shall be galvanized after fabrication according to Article 520.03 of the Standard Specifications.

The Maximum space between locking edge rail segments shall be $\frac{3}{16}$ " and sealed with a suitable sealant; however, any rail joint within 10' measured perpendicular to the face of the curb or parapet shall be welded as shown in the locking edge rail splice detail.

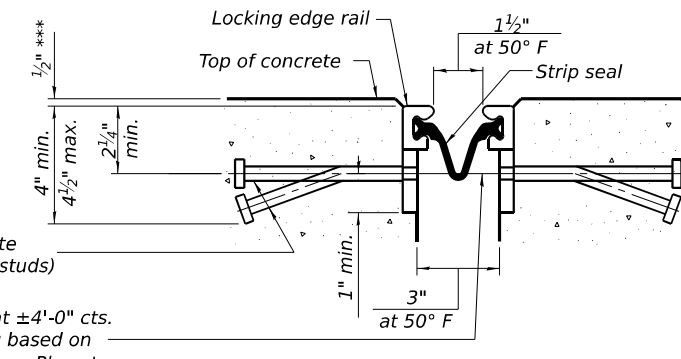
Cost of parapet sliding plates, embedded plates, and anchorage studs included with Preformed Joint Strip Seal. 34" F-shape barrier shown, 42" F-shape similar as noted.

The concrete opening below the strip seal will vary based on the locking edge rail chosen by the Contractor. Deck and parapet lengths shown elsewhere in the plans are dimensioned to the concrete opening, not the joint opening, and are based on the rolled locking edge rail. If the Contractor elects to use a different locking edge rail, dimensional adjustments may be required. One exception to this would be the strip seal joint at the end of the precast bridge approach slab. For these cases the pavement connector length shall be adjusted, not the length of the bridge approach slab.



SHOWING ROLLED RAIL JOINT

*** Prior to 1/2" grinding



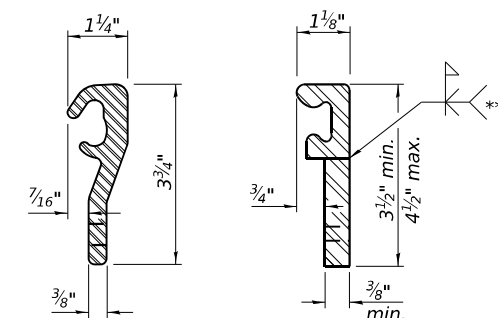
SHOWING WELDED RAIL JOINT

* $\frac{5}{8}$ " \varnothing x 6" studs @ 6" cts. (alternate angled/bent studs with horizontal studs)

$\frac{3}{8}$ " \varnothing threaded rods in $\frac{7}{16}$ " \varnothing holes at $\pm 4'-0"$ cts. for holding the proper joint opening based on the temperature during the deck pour. Place to miss studs. All rods shall be burned, or sawed off flush with the plates after concrete is set.

SECTION A-A

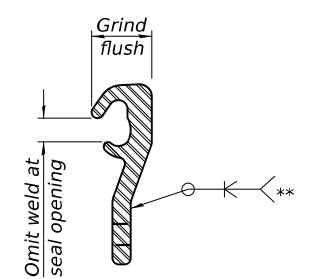
* Granular or solid flux filled headed studs conforming to Article 1006.32 of the Std. Specs., automatically end welded.



ROLLED (EXTRUDED) RAIL
WELDED RAIL

LOCKING EDGE RAILS

** Back gouge not required if complete joint penetration is verified by mock-up.



LOCKING EDGE RAIL SPLICE

The inside of the locking edge rail groove shall be free of weld residue. Rolled rail shown, welded rail similar.

BILL OF MATERIAL

Item	Unit	Total
Preformed Joint Strip Seal	Foot	84

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WSP USA Inc.
30 N. LASALLE STREET
SUITE 4000
CHICAGO, IL 60602
TEL: (312) 782-8150
FAX: (312) 782-1884

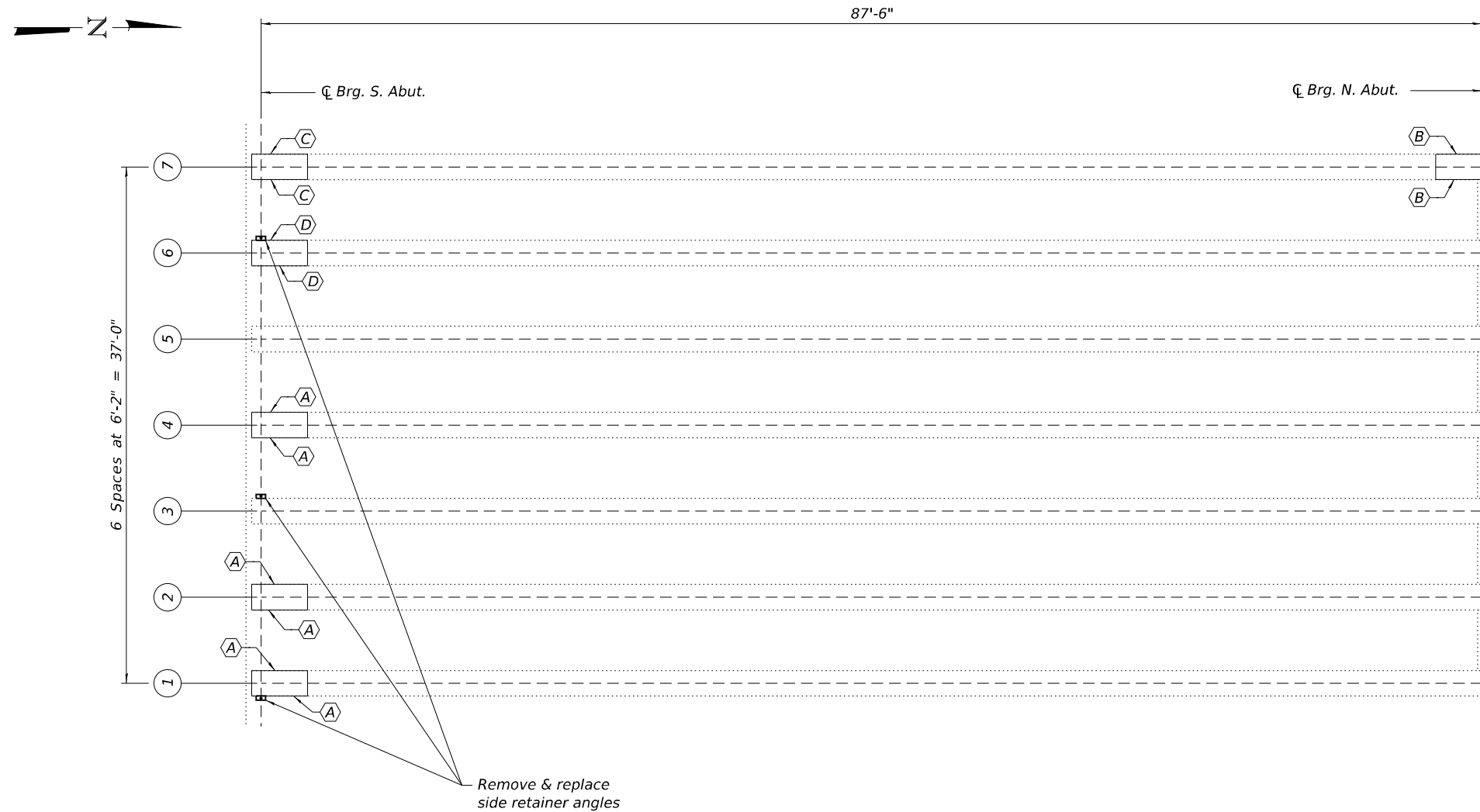
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	DATE - 6/21/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PREFORMED JOINT STRIP SEAL
IL-47 OVER NIPPERSINK CREEK - STRUCTURE NO. 056-0053

SHEET 7 OF 11 SHEETS

F.A.P. RTE. 0326	SECTION FAP 0326 22 BJ	COUNTY McHENRY	TOTAL SHEETS 74	SHEET NO. 65
CONTRACT NO. 62T01				
ILLINOIS FED. AID PROJECT				



- Ⓐ - Location of PPC I-Beam Repair A
- Ⓑ - Location of PPC I-Beam Repair B
- Ⓒ - Location of PPC I-Beam Repair C
- Ⓓ - Location of PPC I-Beam Repair D
- Ⓔ - Location of PPC I-Beam Repair E

See sheet 9 for PPC I-Beam Repair details.

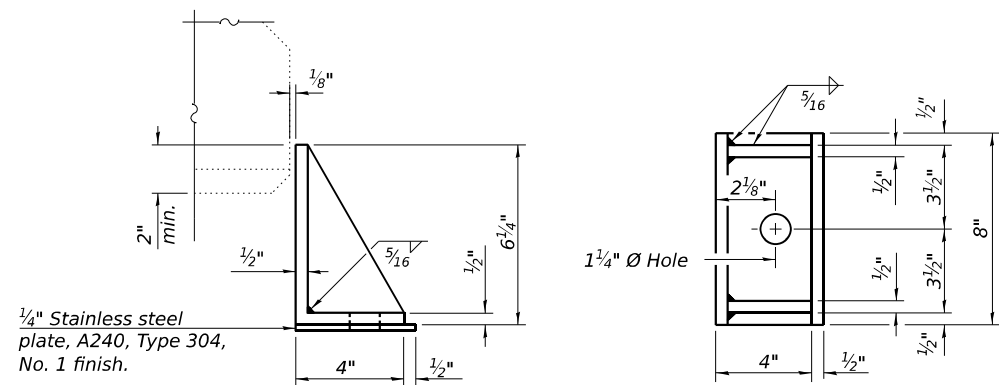
Notes:

Plan dimensions and details relative to existing plans are subject to normal construction 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 at the unit price bid for the work.

The Contractor shall use extreme care during concrete removal so as not to damage the PPC I-beam. See Special Provisions for "Fiber Wrap". See Special Provisions for "Precast Concrete I-Beam Repair".

Acrylic coating shall be placed over Fiber Wrap repairs. Two coats shall be applied. See Special Provisions for "Fiber Wrap".

FRAMING PLAN



SIDE RETAINER

Equivalent rolled angle with stiffeners will be allowed in lieu of welded plates.

(3 Required)

Notes:

Side retainers and stainless steel plates shall be included in the cost of Cleaning and Painting Bearings. Side retainers shall be hot dip galvanized according to AASHTO M111.

BILL OF MATERIAL

Item	Unit	Quantity
Fiber Wrap	Sq. Ft.	99
Acrylic Coating	Sq. Yd.	11
Precast Prestressed Concrete I-Beam Repair	Sq. Ft.	27

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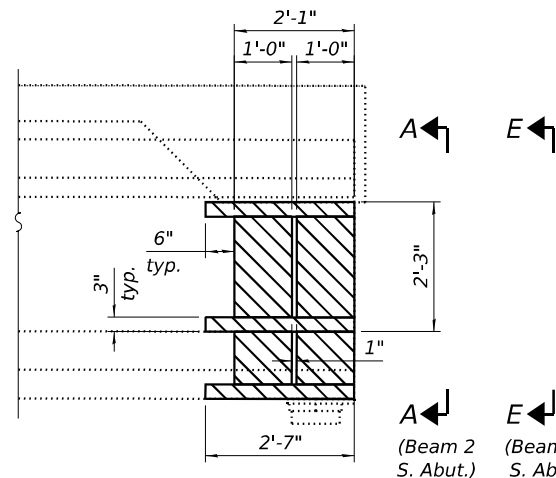
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**FRAMING PLAN
IL-47 OVER NIPPERSINK CREEK - STRUCTURE NO. 056-0053**

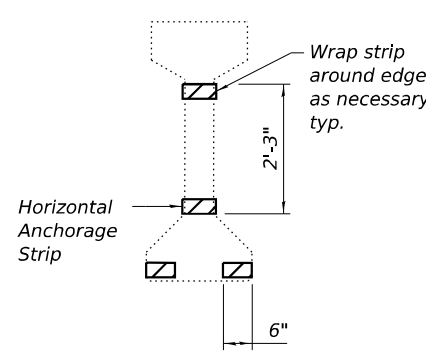
SHEET 8 OF 11 SHEETS

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

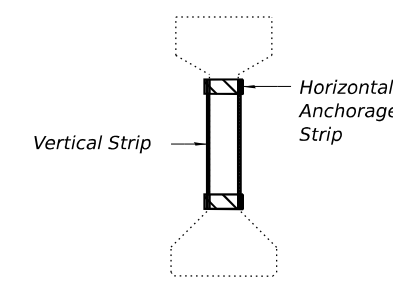
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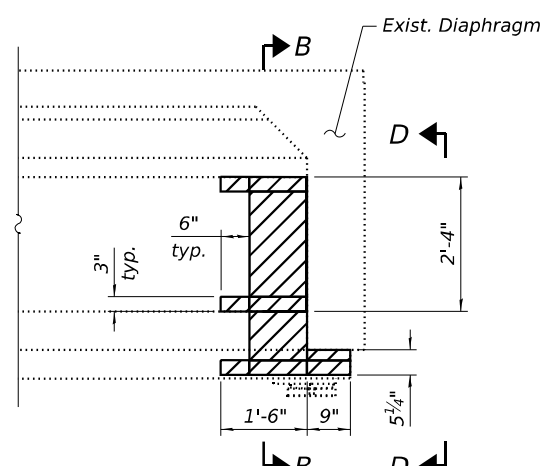
REPAIR A
 Beam 1 - S. Abut. - Each Face
 Beam 2 - S. Abut. - Each Face
 Beam 4 - S. Abut. - Each Face



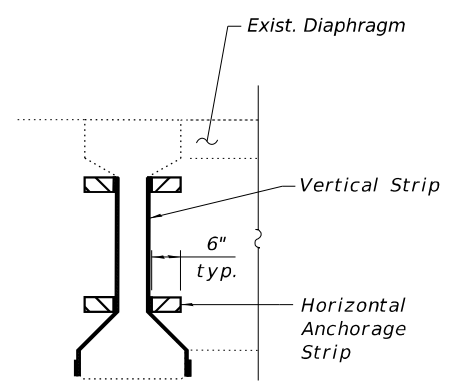
VIEW A-A
 Beam 2 - S. Abut.
 Beam 6 - S. Abut.



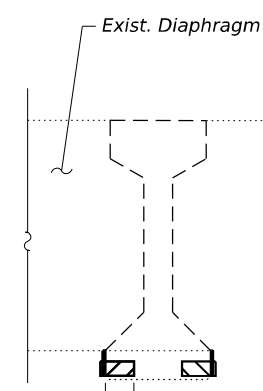
VIEW E-E
 Beam 1 - S. Abut.
 Beam 4 - S. Abut.



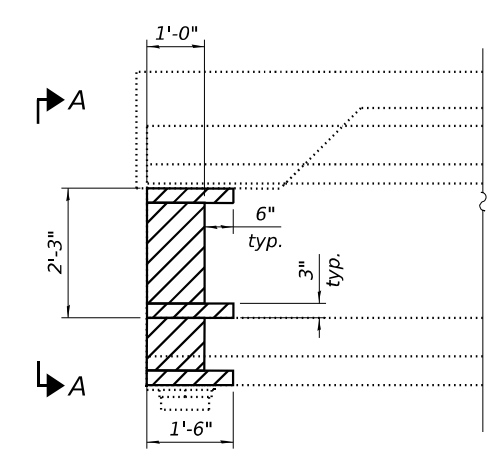
REPAIR B
 Beam 7 - N. Abut. - Each Face



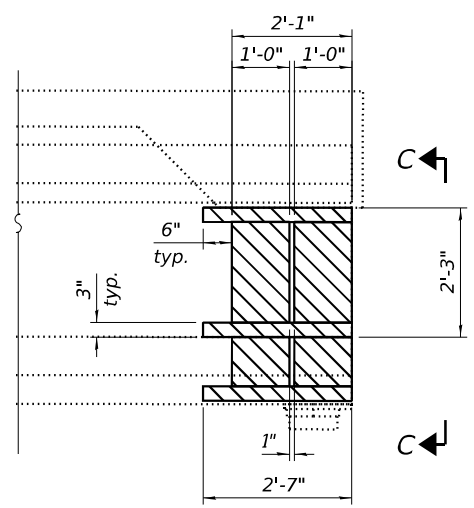
SECTION B-B



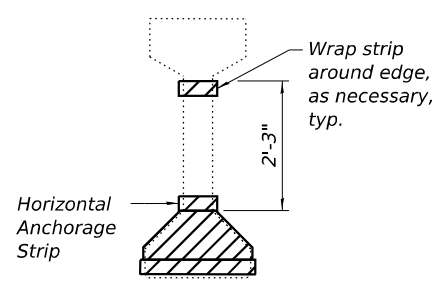
VIEW D-D



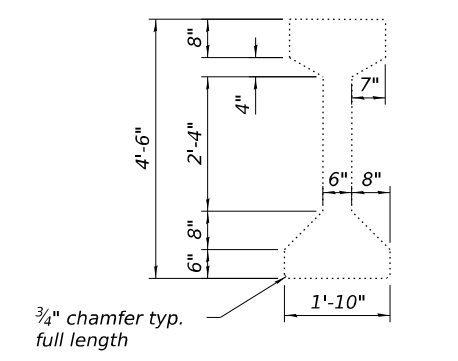
REPAIR D
 Beam 6 - S. Abut. - Each Face



REPAIR C
 Beam 7 - S. Abut. - Each Face

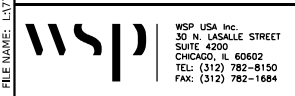


VIEW C-C



CROSS SECTION

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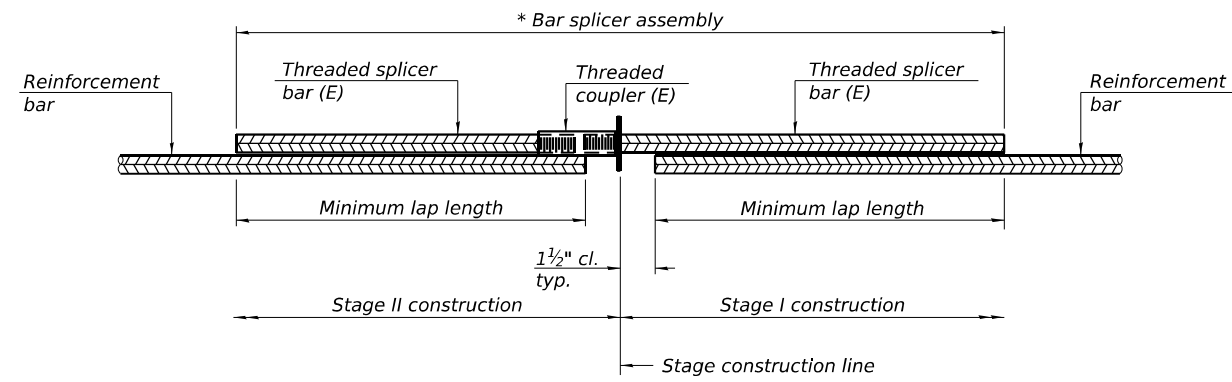
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 DESIGNED - MN
 DRAWN - MN
 CHECKED - PJL
 DATE - 6/21/2023
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 PLOT DATE = 6/21/2023

REVISED - _____
 REVISED - _____
 REVISED - _____
 REVISED - _____

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BEAM REPAIR DETAILS
IL-47 OVER NIPPERSINK CREEK - STRUCTURE NO. 056-0053
 SHEET 9 OF 11 SHEETS

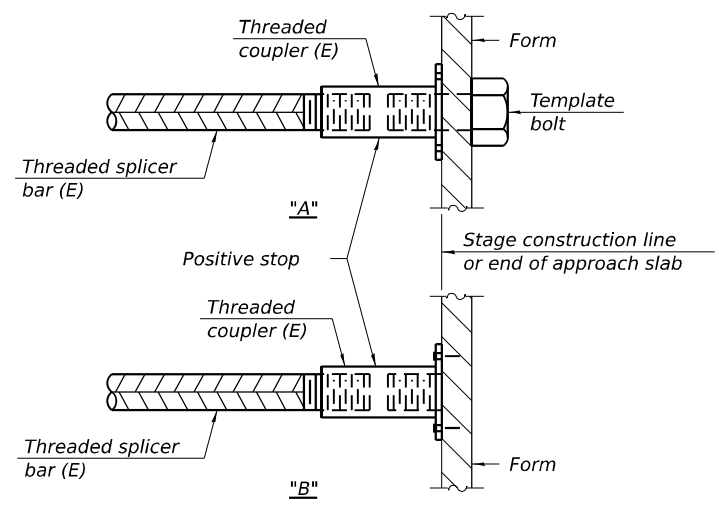
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0326	FAP 0326 22 BJ	McHENRY	74	67
CONTRACT NO. 62T01			ILLINOIS FED. AID PROJECT	



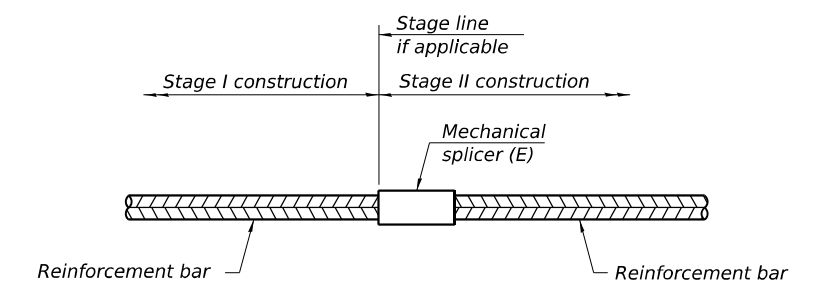
STANDARD BAR SPLICER ASSEMBLY PLAN
 (All components shall be provided from one supplier)

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
S. Joint - Deck	#5	2	3'-6"
S. Joint - Abutment	#6	2	4'-0"
N. Joint - Deck	#5	2	3'-6"
N. Joint - Abutment	#6	2	4'-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.

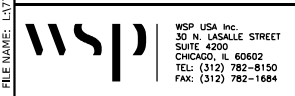


STANDARD MECHANICAL SPLICER

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 and Special Provisions.
 See approved list of bar splicer assemblies and mechanical splicers for alternatives.

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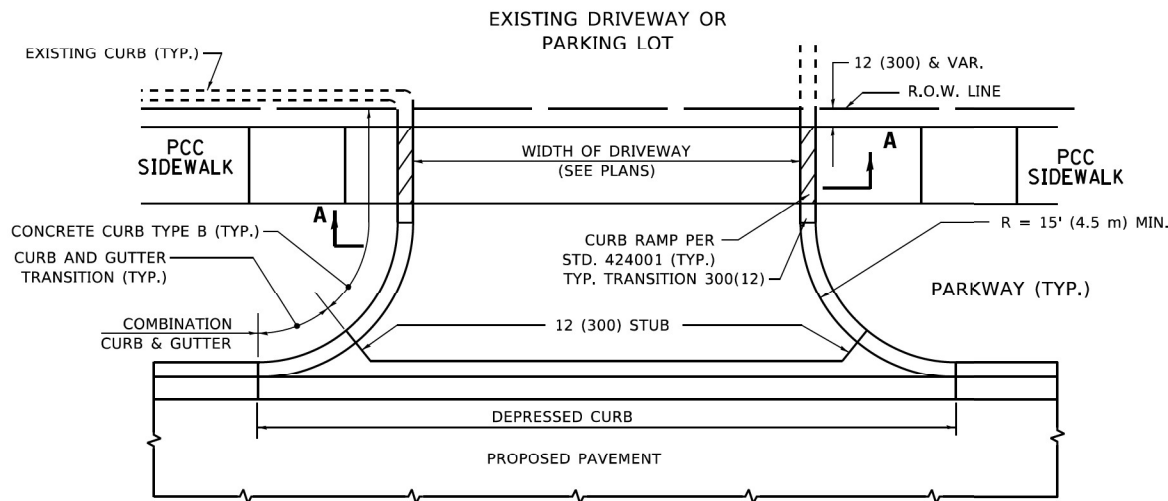


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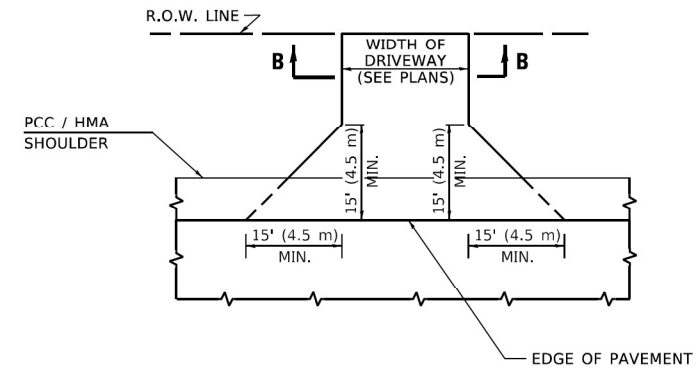
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BAR SPLICER ASSEMBLY AND MECHANICAL SPLICER DETAILS
IL-47 OVER NIPPERSINK CREEK - STRUCTURE NO. 056-0053

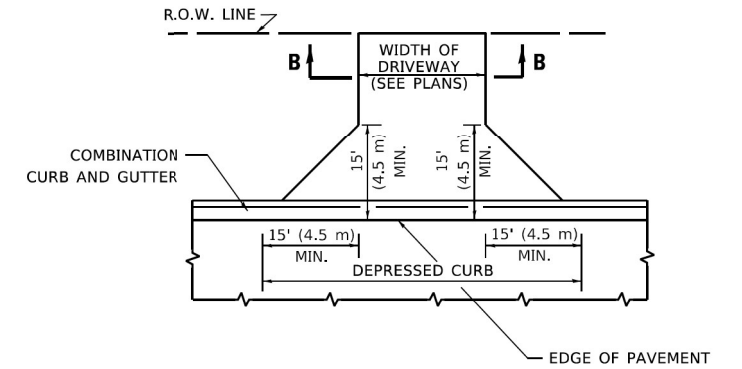
F.A.P. RTE. 0326	SECTION FAP 0326 22 BJ	COUNTY MCHENRY	TOTAL SHEETS 74	SHEET NO. 69
CONTRACT NO. 62T01			ILLINOIS FED. AID PROJECT	



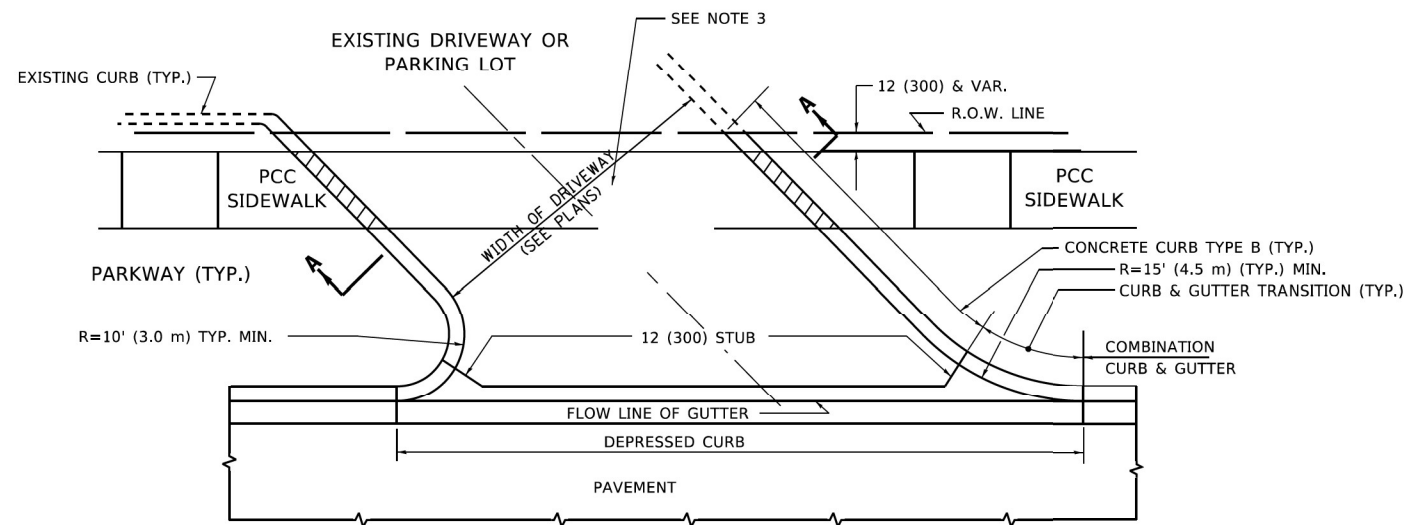
WITH CONCRETE CURB, TYPE B



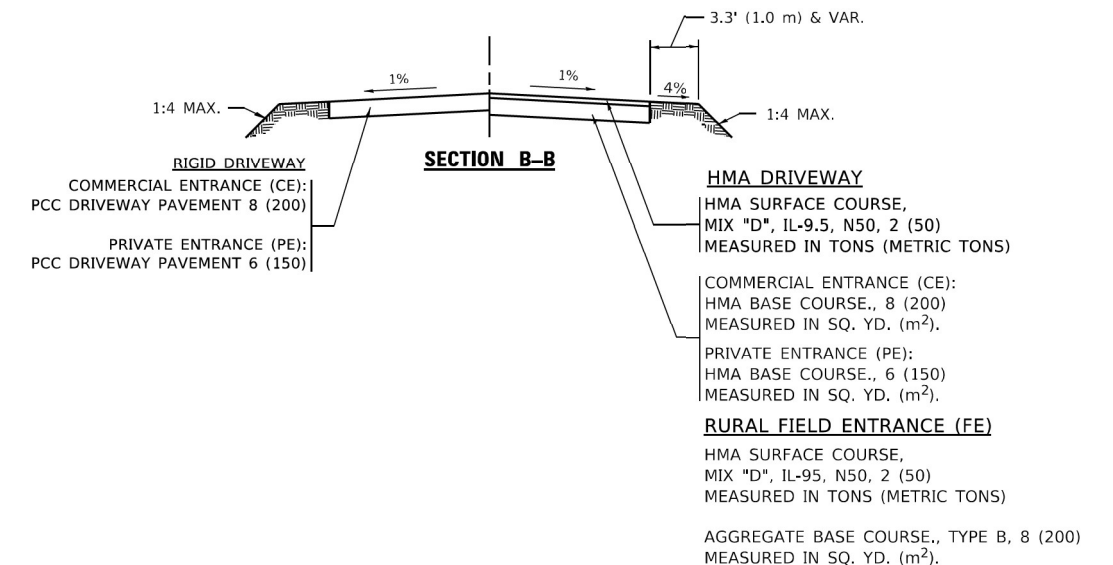
ADJACENT TO PCC / HMA SHOULDER



ADJACENT TO CURB AND GUTTER

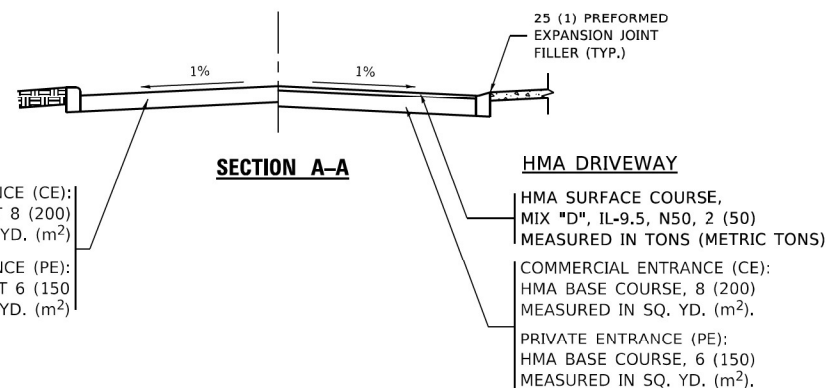


WITH CONCRETE CURB, TYPE B



GENERAL NOTES

1. DRIVEWAY SLOPES, LOCATIONS, & GEOMETRIC LAYOUT SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE "HANDBOOK FOR POLICY ON PERMITS FOR ACCESS DRIVEWAYS TO STATE HIGHWAYS". FOR FURTHER LAYOUT REQUIREMENTS, REFER TO ILLUSTRATIONS IN THE PERMIT HANDBOOK. DRIVEWAYS SHALL BE REPLACED IN KIND, UNLESS OTHERWISE NOTED ON THE PLANS.
2. COMMERCIAL DRIVEWAYS SHALL BE CONSTRUCTED WITH CONCRETE CURB, TYPE B RETURNS EXCEPT WHEN THE SIDEWALK EDGE IS 4 FEET (1.2 METERS) OR LESS FROM THE BACK OF CURB, CONSTRUCT A FLARE DRIVEWAY WITHOUT CURB.



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

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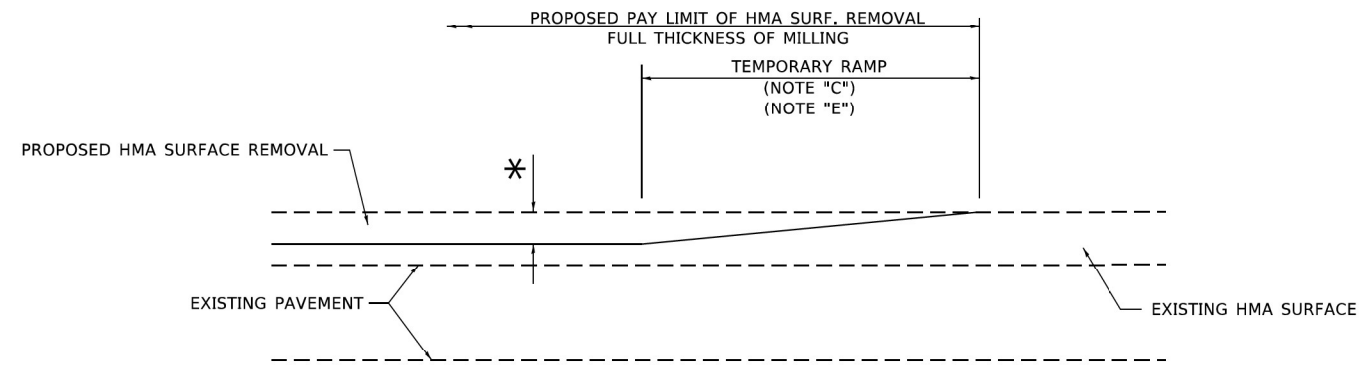
WSP USA Inc.
 30 N. LASALLE STREET
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 CHICAGO, IL 60602
 TEL: (312) 782-8150
 FAX: (312) 782-1884

USER NAME = Lawrence.DeManche	DESIGNED - R. SHAH	REVISED - R. BORO 06-11-08
PLOT SCALE = 100.0000' / in.	DRAWN -	REVISED - R. BORO 09-06-11
PLOT DATE = 11/18/2022	CHECKED -	REVISED - K. SMITH 08-28-19
	DATE - 11-04-95	REVISED - K. SMITH 11-18-22

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

DRIVEWAY DETAILS - DISTANCE BETWEEN R.O.W. AND FACE OF CURB & EDGE OF SHOULDER ≥ 15'(4.5m)			
SCALE: NONE	SHEET 1 OF 1 SHEETS	STA. TO STA.	

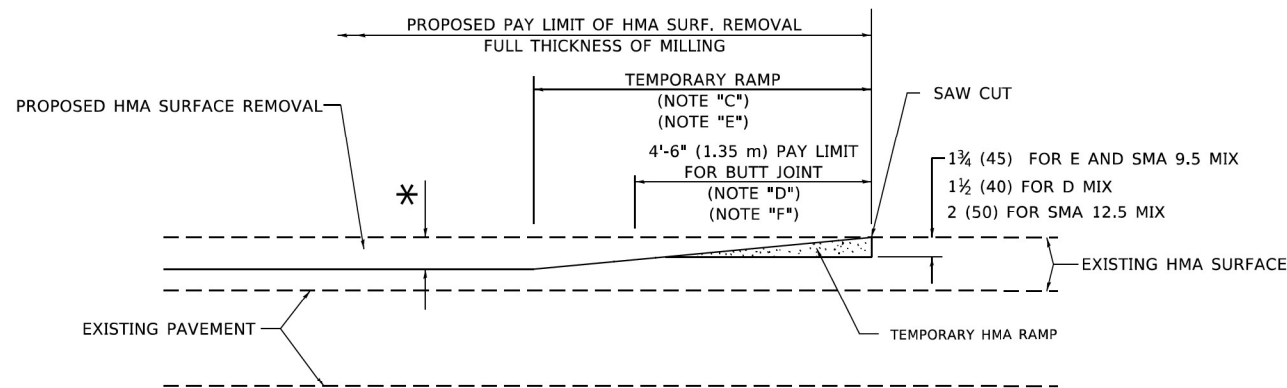
F.A. IL RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
47	FAP 032622 BJ	McHENRY	75	70
BD400-01 (BD-01)			CONTRACT NO. 62T01	
ILLINOIS FED. AID PROJECT				



MILLED TEMPORARY RAMP

(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 1

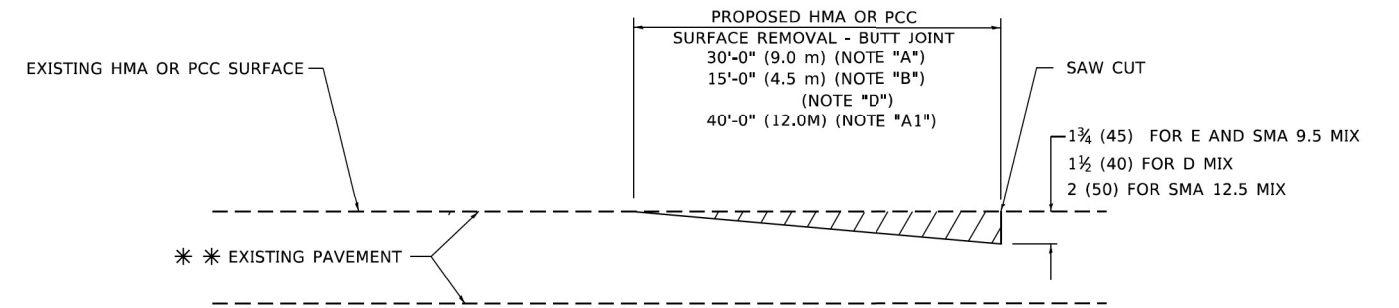


HMA CONSTRUCTED TEMPORARY RAMP

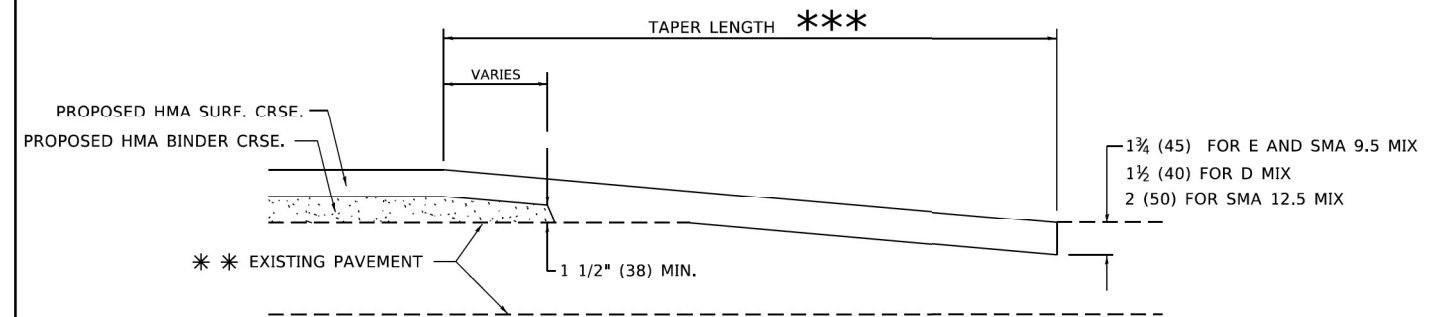
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 2

TYPICAL TEMPORARY RAMP



BUTT JOINT DETAIL



HMA TAPER DETAIL

TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY

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

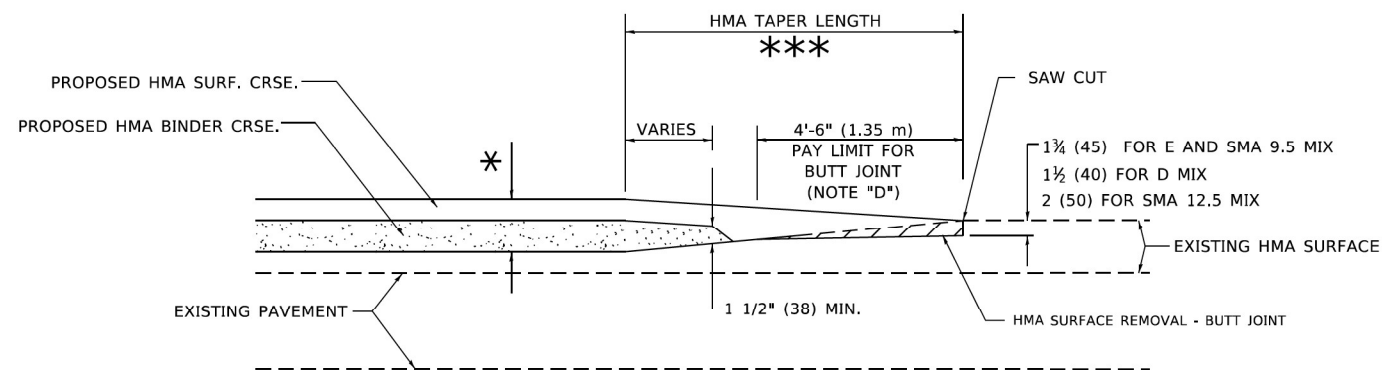
GENERAL NOTES

- A. MAINLINE ARTERIAL ROADWAYS AND MAJOR SIDE ROADS.
- A1. INTERSTATES
- B. MINOR SIDE ROADS.
- C. THE TEMP. RAMP SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING HMA SURFACE.
- D. THE BUTT JOINT SHALL BE CONSTRUCTED IMMEDIATELY PRIOR TO PLACING THE PROPOSED HMA COURSES.
- E. TAPER THE TEMP. RAMP AT A RATE OF 3' - 4" (1.02m) PER 1 INCH (25 mm) OF MILLING THICKNESS.
* SEE TYPICAL SECTIONS FOR MILLING THICKNESS.
- F. SEE ARTICLE 406.08 AND 406.14 OF THE STANDARD SPECIFICATIONS FOR "HMA AND/OR PCC SURFACE REMOVAL, BUTT JOINT".
*** 20'-0" (6.1 m) PER 1 (25) RESURFACING (NOTE "A")
10'-0" (3.0 m) PER 1 (25) RESURFACING (NOTE "B")

BASIS OF PAYMENT

- 1. THE BUTT JOINT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD (SQUARE METER) FOR "HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT" OR FOR "PORTLAND CEMENT CONCRETE SURFACE REMOVAL- BUTT JOINT".
- 2. THE TEMPORARY RAMP AND SAW CUT SHALL BE INCLUDED IN THE UNIT COST FOR HMA OR PCC SURFACE REMOVAL-BUTT JOINT.

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



BUTT JOINT AND HMA TAPER

TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING

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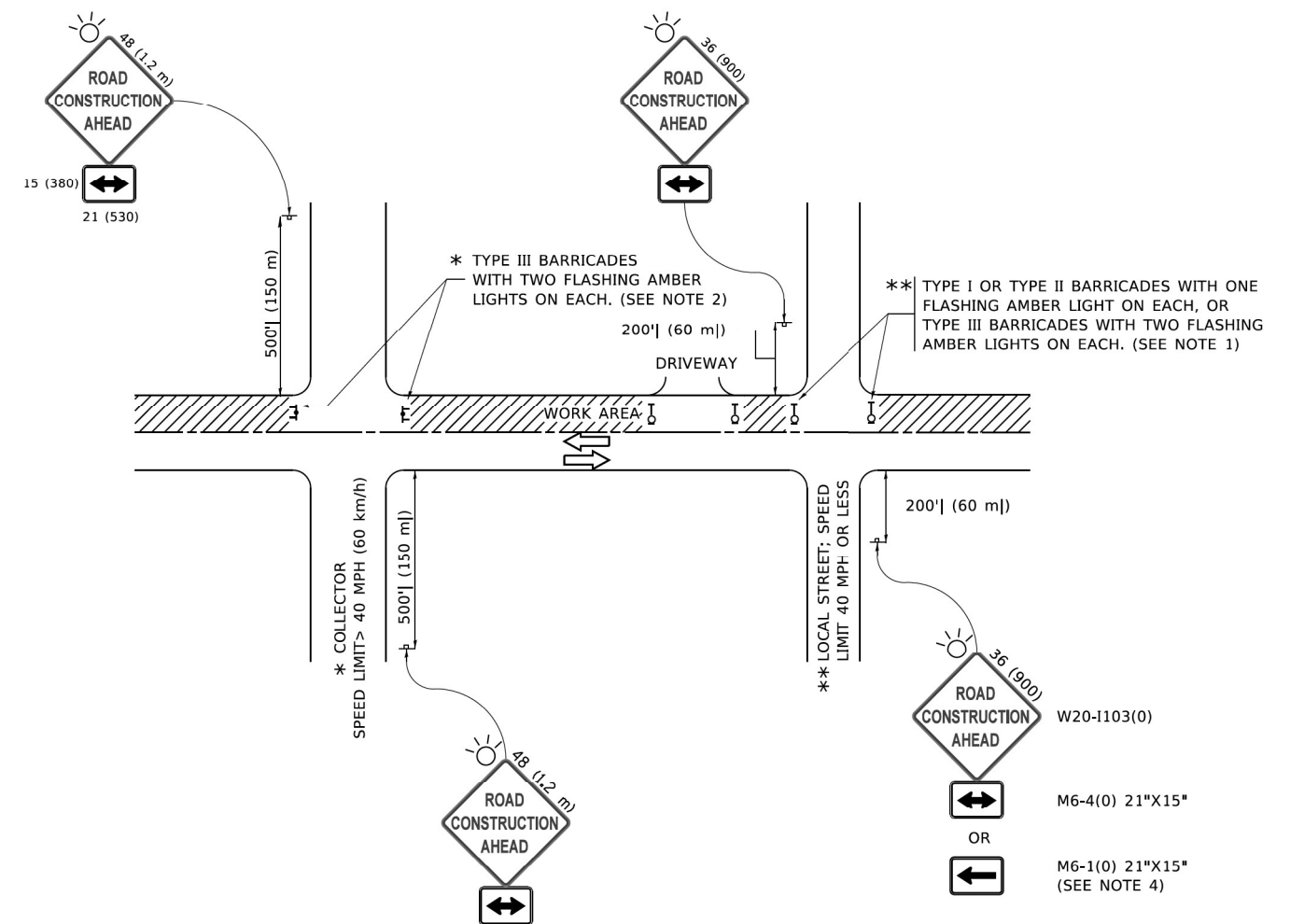
USER NAME = demanchelt	DESIGNED - M. DE YONG	REVISED - A. ABBAS 03-21-97
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED - M. GOMEZ 04-06-01
PLOT DATE = 2/2/2022	DATE - 06-13-90	REVISED - R. BORO 01-01-07
		REVISED - K. SMITH 02-01-22

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BUTT JOINT AND
HMA TAPER DETAILS

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

F.A. IL RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
47	FAP 032622 BJ	McHENRY	75	71
BD400-05 BD-32		CONTRACT NO. 62T01		
ILLINOIS FED. AID PROJECT				



NOTES:

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

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

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wsp
 WSP USA Inc.
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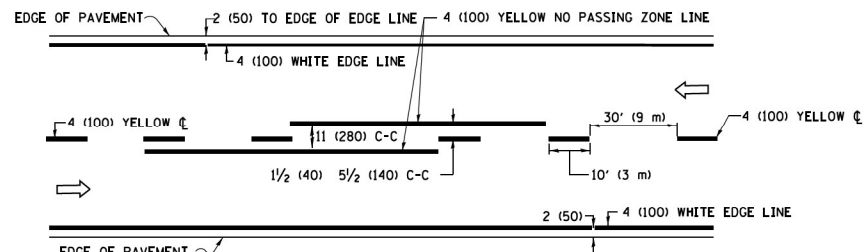
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PLOT SCALE = 50.0000 "/ in.	CHECKED -	REVISED - T. RAMMACHER 01-06-00
PLOT DATE = 3/4/2019	DATE - 06-89	REVISED - A. SCHUETZE 07-01-13
		REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

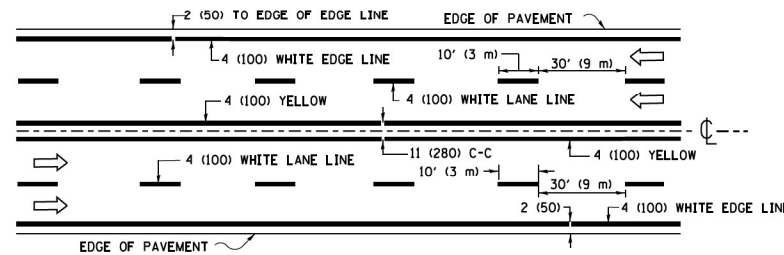
**TRAFFIC CONTROL AND PROTECTION FOR
 SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS**

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

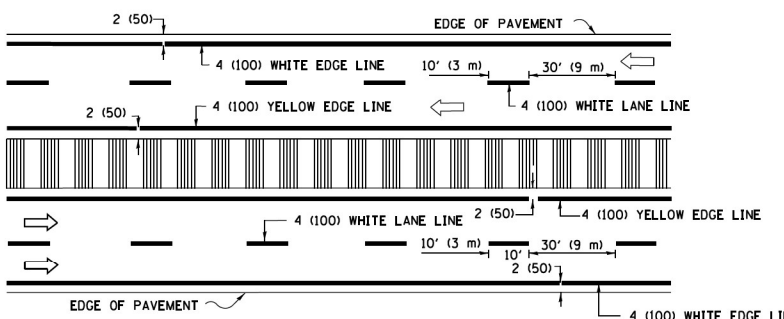
F.A. IL RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
47	FAP 032622 BJ	McHENRY	75	72
TC-10		CONTRACT NO. 62T01		
ILLINOIS FED. AID PROJECT				



2-LANE ROADWAY

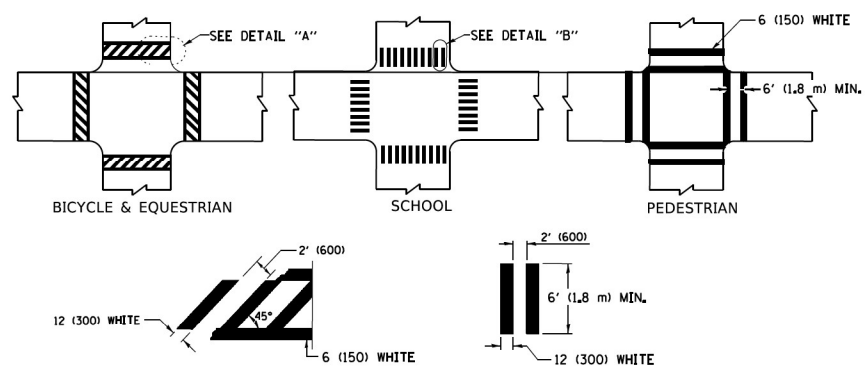


MULTI-LANE UNDIVIDED



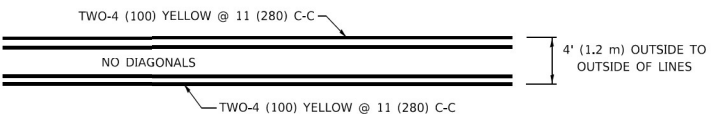
MULTI-LANE DIVIDED WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING

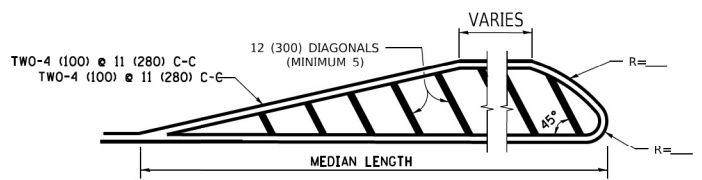


TYPICAL CROSSWALK MARKING

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

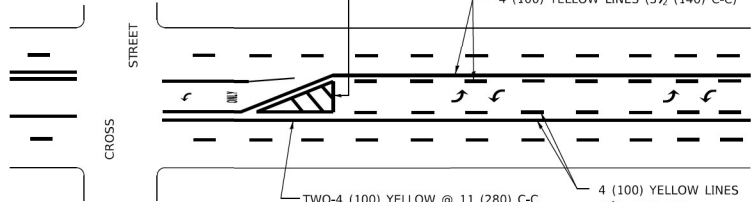


4' (1.2 m) WIDE MEDIANS ONLY



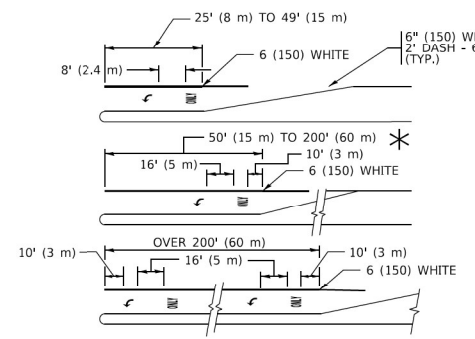
MEDIANS OVER 4' (1.2 m) WIDE

DIAGONAL LINE SPACING: 50' (15 m) C-C (LESS THAN 30MPH (50 km/h))
 75' (25 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h)
 150' (45 m) C-C (MORE THAN 45MPH (70 km/h))



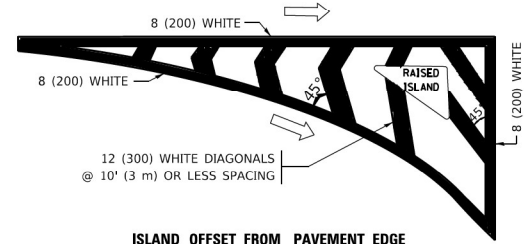
MEDIAN WITH TWO-WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING

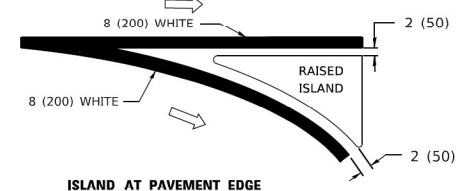


TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING

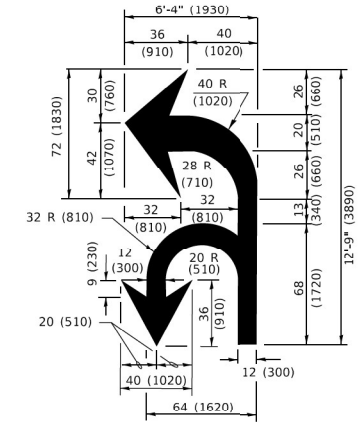


ISLAND OFFSET FROM PAVEMENT EDGE

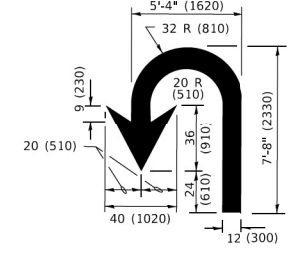


ISLAND AT PAVEMENT EDGE

TYPICAL ISLAND MARKING



COMBINATION LEFT AND U-TURN



U-TURN

LANE REDUCTION TRANSITION

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

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

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES; FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5 1/2 (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MEDIANS IN YELLOW
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP DASH; 5 1/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT. PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW: TWO WAY TRAFFIC WHITE: ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES: "RR" 15' (4.5 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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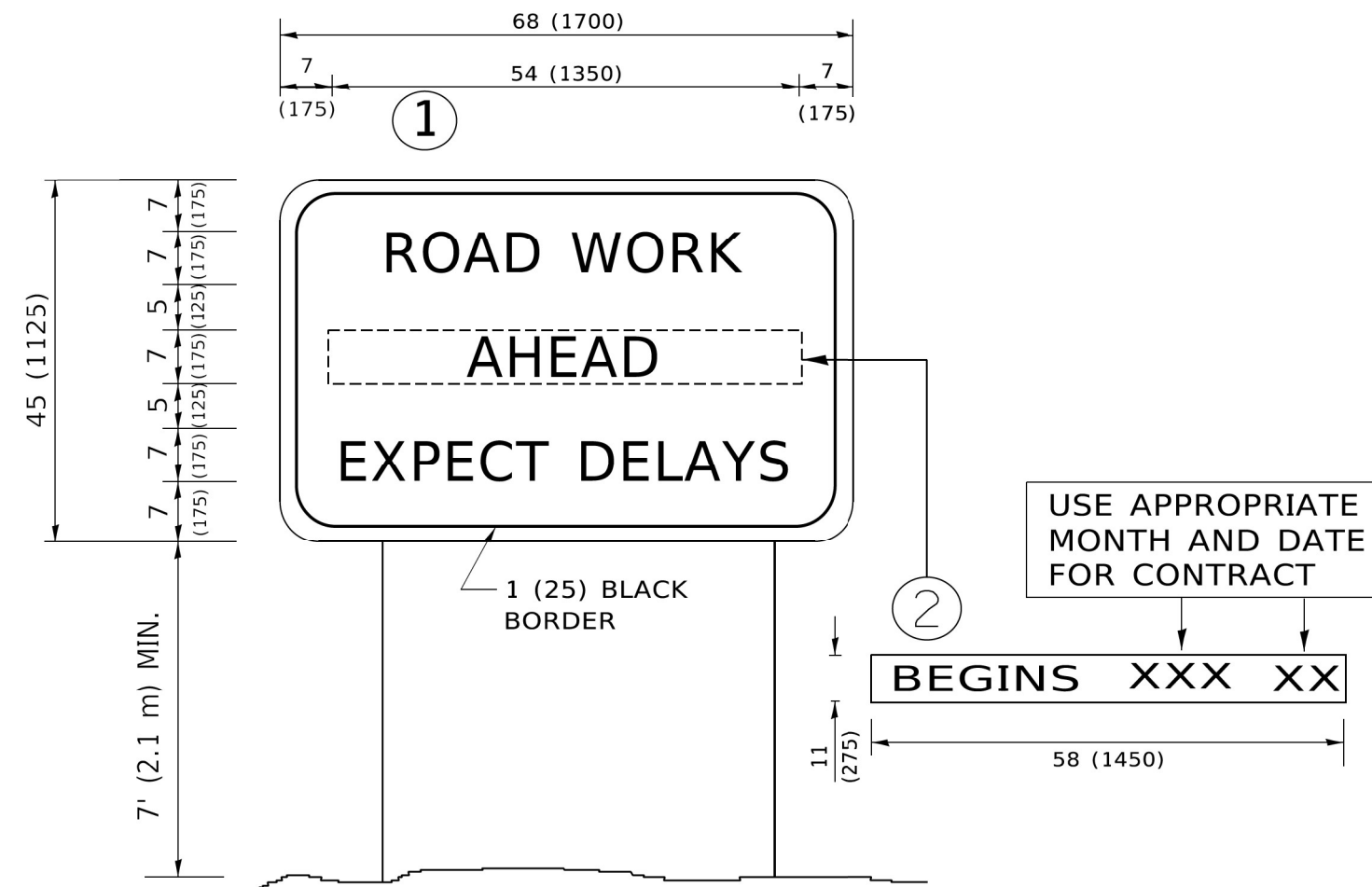
WSP USA Inc.
 30 N. LASALLE STREET
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 CHICAGO, IL 60602
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USER NAME = footemj	DESIGNED - EVERS	REVISED - C. JUCIUS 09-09-09
PLOT SCALE = 50.0000" / in.	DRAWN -	REVISED - C. JUCIUS 07-01-13
PLOT DATE = 3/4/2019	CHECKED -	REVISED - C. JUCIUS 12-21-15
	DATE - 03-19-90	REVISED - C. JUCIUS 04-12-16

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE
 TYPICAL PAVEMENT MARKINGS**

SCALE: NONE	SHEET 1 OF 2 SHEETS	STA.	TO STA.	F.A. IL RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
				47	FAP 032622 BJ	MCHENRY	75	73
						ILLINOIS FED. AID PROJECT		



NOTES:

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

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

MODEL: Default
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 WSP USA Inc.
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 FAX: (312) 752-1584

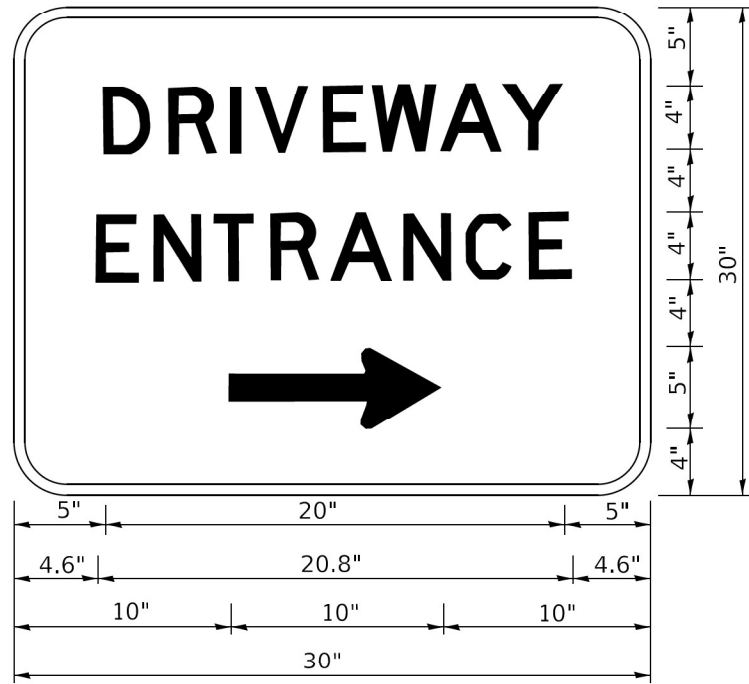
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PLOT SCALE = 50.0000" / in.	DRAWN -	REVISED - R. MIRS 12-11-97
PLOT DATE = 3/4/2019	CHECKED -	REVISED - T. RAMMACHER 02-02-99
	DATE -	REVISED - C. JUCIUS 01-31-07

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ARTERIAL ROAD
INFORMATION SIGN

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

F.A. IL RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
47	FAP 032622 BJ	McHENRY	75	74
TC-22			CONTRACT NO. 62T01	
ILLINOIS FED. AID PROJECT				



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".

MODEL Default
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WSP USA Inc.
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 FAX: (312) 752-1884

USER NAME = klysa	DESIGNED -	REVISED - C. JUCIUS 02-15-07
	DRAWN -	REVISED -
PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 8/6/2021	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

DRIVEWAY ENTRANCE SIGNING

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

F.A. IL RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
47	FAP 032622 BJ	McHENRY	75	75
TC-26		CONTRACT NO. 62T01		
ILLINOIS FED. AID PROJECT				