

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	FAP 0348 22 BJ	COOK	40	1
		ILLINOIS	CONTRACT NO. 62T18	

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

PROJECT LOCATED IN THE VILLAGE
OF NORTHBROOK

PROPOSED
HIGHWAY PLANS

FAP 348/L 43 (WAUKEGAN RD) OVER UNION PACIFIC RAILROAD
SOUTH OF VOLTZ RD
SECTION FAP 0348 22 BJ
PROJECT NO: NHPP-3S9L(485)
BRIDGE DECK OVERLAY, BRIDGE JOINT REPLACE / REPAIR
COOK COUNTY

TRAFFIC DATA

IL 43
ADT: 18,600 (2021)
POSTED SPEED: 40 MPH / 45 MPH
DESIGN DESIGNATION: OTHER PRINCIPAL ARTERIAL

APPLY TO SHEETS:
1-18, 32-40



Hugh E. Regan

HUGH E. REGAN
HNTB
NO.: 062072743
DATE SIGNED: 8/18/2023
EXP. DATE: 11/30/2023

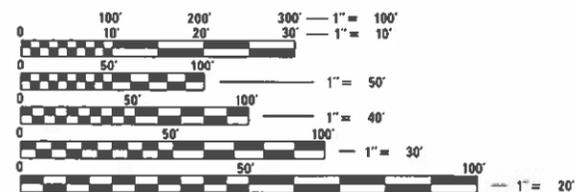
APPLY TO SHEETS:
19-31



Ralph J. Otrembiak

RALPH J. OTREMBIAK
GKE, LLC
NO.: 081004812
DATE SIGNED: 8/18/2023
EXP. DATE: 11/30/2024

IL 43 OVER UPRR
BRIDGE LOCATION
STRUCTURE NO. 016-2598

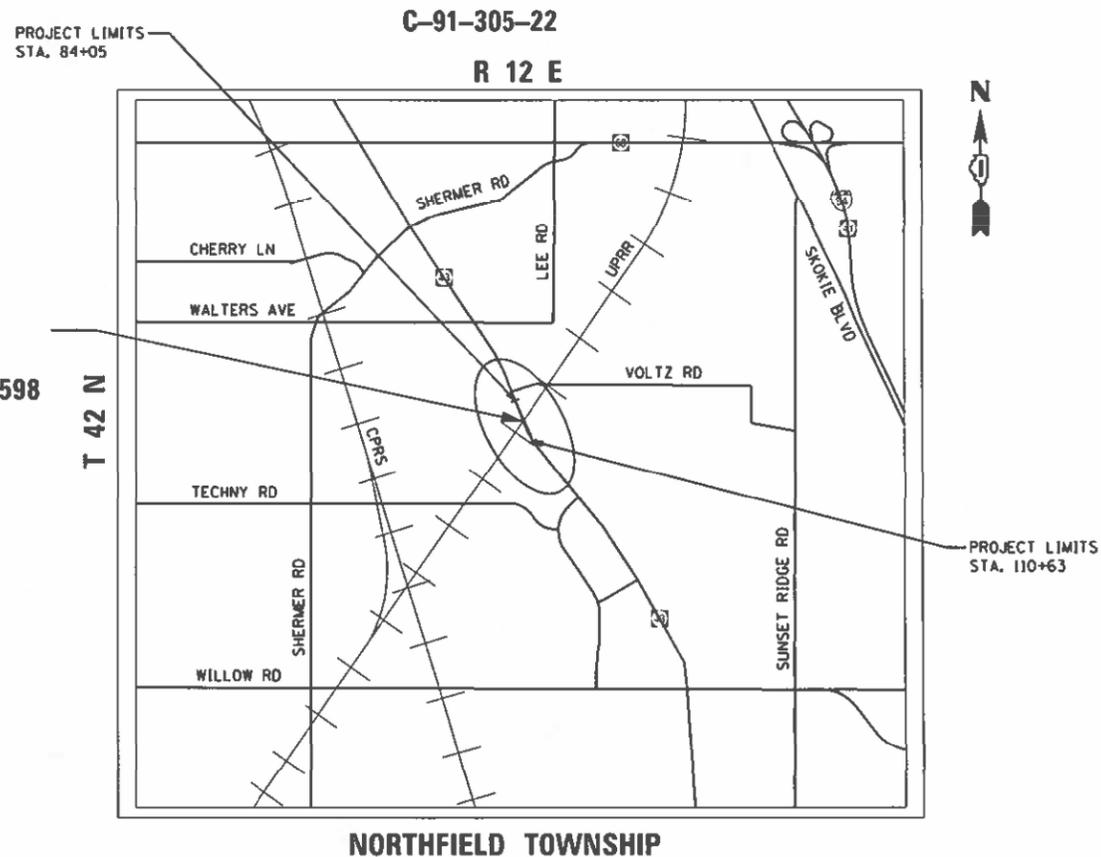


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD
ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT
CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS
ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

PROJECT ENGINEER: RODRIGO LEDEZMA (847) 705-4580
PROJECT MANAGER: JEAN ALAIN MIDY (847) 221-3056

CONTRACT NO. 62T18



PROJECT LENGTH
GROSS LENGTH = 2658 FT. = 0.50 MILE
NET LENGTH = 2658 FT. = 0.50 MILE



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED August 17, 2023
Jose Rios
REGIONAL ENGINEER

October 13, 2023
Scott A. Etk
ENGINEER OF DESIGN AND ENVIRONMENT

October 13, 2023
Steph M. Lewis
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

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OF THE STATE OF ILLINOIS

GENERAL NOTES

1. BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL JULIE AT (800) 892-0123 OR 811 TO DETERMINE WHICH UTILITIES ARE WITHIN THE AREA. 48 HOUR NOTIFICATION IS REQUIRED.
2. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES AS REQUIRED.
3. THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
4. WHEN ARTIFICIAL LIGHTING IS UTILIZED IN NIGHT OPERATIONS THE CONTRACTOR SHALL EXERCISE THE UTMOST PRECAUTIONS IN PREVENTING ADVERSE VISIBILITY TO THE MOTORING PUBLIC AND ADJACENT RESIDENTIAL AREAS.
5. THE ALIGNMENTS AND SUPPORTING DATA SHOWN IN THE PLANS WAS DEVELOPED THROUGH AERIAL PHOTOGRAPHY AND IS NOT THE RESULT OF A GROUND SURVEY. THEREFORE, THE ALIGNMENTS AND SUPPORTING DATA SHOWN IN THE PLANS ARE FOR REFERENCE PURPOSES ONLY. THE RELATIVE ACCURACY OF THE INFORMATION IS UNKNOWN AND CANNOT BE GUARANTEED. THE CONTRACTOR MAY BE REQUIRED TO ADJUST LAYOUT TO MATCH ACTUAL FIELD CONDITIONS AND THE INTENT OF THE PLANS.
6. THE CONTRACTOR SHALL SWEEP AND CLEAN THE PAVEMENT SURFACE, PER ARTICLE 107.15 OF THE STANDARD SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER.
7. BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL RETAIN AND RECORD (FOR FUTURE REFERENCES), ALL EXISTING PAVEMENT MARKING LINES IN ORDER THAT THESE LOCATIONS CAN BE RE-ESTABLISHED FOR STRIPING. EXACT LOCATIONS OF ALL STRIPING SHALL BE AS DIRECTED BY THE ENGINEER.
8. THE CONTRACTOR SHALL PROTECT EXISTING UTILITIES AND SHALL BRACE AND SUPPORT THE UTILITIES PROPERLY IN ORDER TO PREVENT SETTLEMENT, DISPLACEMENT, OR DAMAGE TO THE UTILITIES. THE PROTECTION OF THE UTILITIES AS SPECIFIED HEREIN WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED INCLUDED IN THE CONTRACT.
9. THE CONTRACTOR SHALL TAKE CARE IN REMOVING OR EXCAVATING NEAR ALL EXISTING ITEMS WHICH WILL REMAIN. ANY DAMAGE DONE TO EXISTING ITEMS BY THE CONTRACTOR SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
10. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING DRAINAGE THROUGHOUT THE CONSTRUCTION OF THIS PROJECT. THIS WORK WILL NOT BE PAID FOR SEPARATELY AND SHALL BE CONSIDERED INCLUDED IN THE COST OF THE CONTRACT.
11. OVERHANGING LIMBS ARE TO BE TRIMMED AT THE NORTHWEST AND SOUTHWEST CORNERS OF THE BRIDGE ADJACENT TO THE ABUTMENTS. LIMB PRUNING SHALL BE UNDERTAKEN IN A TIMELY FASHION SO AS NOT TO INTERFERE WITH CONSTRUCTION.
12. ALL LIMBS, BRANCHES, AND OTHER DEBRIS RESULTING FROM THIS WORK SHALL BE DISPOSED OF BY THE CONTRACTOR OUTSIDE THE LIMITS OF THE RIGHT-OF-WAY.
13. CONTRACTOR SHALL SCHEDULE A WALK-THROUGH WITH IDOT ROADSIDE DEVELOPMENT UNIT 847-705-4171 FOR TREE PRUNING BEFORE CONSTRUCTION COMMENCEMENT. PLEASE PROVIDE AT LEAST 72-HOUR NOTICE TO IDOT ROADSIDE DEVELOPMENT UNIT PRIOR TO THE DESIRABLE WALK-THROUGH APPOINTMENT SESSION ON SITE.
14. NO WORK SHALL COMMENCE UNTIL TRAFFIC CONTROL REQUIREMENT ARE MET.
15. PAVEMENT MARKING TAPE, TYPE III SHALL BE USED FOR SHORT TERM PAVEMENT MARKINGS ON ALL FINAL SURFACES.
16. NO WORK OF ANY KIND SHALL BE PERFORMED, AND NO PERSON, EQUIPMENT, MACHINERY, TOOL(S), MATERIAL(S), VEHICLE(S), OR THING(S) SHALL BE LOCATED, OPERATED, PLACED, OR STORED WITHIN TWENTY-FIVE (25) FEET OF ANY RAILROAD'S TRACK(S) AT ANY TIME, FOR ANY REASON, UNLESS AND UNTIL A RAILROAD APPROVED FLAGMAN IS PROVIDED TO WATCH FOR TRAINS. UPON RECEIPT OF SUCH THIRTY (30)-DAY NOTICE, THE RAILROAD REPRESENTATIVE WILL DETERMINE AND INFORM THE CONTRACTOR WHETHER A FLAGMAN NEED BE PRESENT AND WHETHER THE CONTRACTOR NEEDS TO IMPLEMENT ANY SPECIAL PROTECTIVE OR SAFTEY MEASURES.
17. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION.
18. TWO WEEKS PRIOR TO PLACEMENT OF PERMANENT PAVEMENT MARKINGS ON IDOT ARTERIAL ROADS, THE ENGINEER SHALL CONTACT FADI SULTAN, AREA TRAFFIC FIELD ENGINEER AT fadi.sultan@illinois.gov.
19. THE CONTRACTOR SHALL CONTACT KALPANA KANNAN-HOSADURGA, THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR, AT Kalpana.Kannan-Hosadurga@illinois.gov A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.

INDEX OF SHEETS

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32 - 40	D1 HIGHWAY STANDARDS

IDOT STANDARD DRAWINGS

STANDARD NUMBERS	DESCRIPTION
000001-08	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
442001-04	CLASS A PATCHES
442201-03	CLASS C AND D PATCHES
606001-08	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
606006-04	OUTLETS FOR CONCRETE CURB AND GUTTER TYPE B.6-24 (B-15.60)
606301-04	PC CONCRETE ISLANDS AND MEDIANS
606306-04	CORRUGATED PC CONCRETE MEDIANS
630001-12	STEEL PLATE BEAM GUARDRAIL
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701311-03	LANE CLOSURE 2L, 2W MOVING OPERATIONS - DAY ONLY
701426-09	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATION, FOR SPEEDS >= 45 MPH
701427-05	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS <= 40 MPH
701501-06	URBAN LANE CLUSRE, 2L, 2W, UNDIVIDED
701606-10	URBAN SINGLE LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
701611-01	URBAN HALF ROAD CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-08	TRAFFIC CONTROL DEVICES
704001-13	TEMPORARY CONCRETE BARRIER
782006-01	GUARDRAIL AND BARRIER WALLL REFLECTOR MOUNTING DETAILS
B.L.R. 27-1	TRAFFIC BARRIER TERMINAL, TYPE 5A

DISTRICT 1 STANDARD DRAWINGS

STANDARD NUMBERS	DESCRIPTION
BD-24	CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT
BD-32	BUTT JOINT AND HMA TAPER DETAILS
BM-20	PRUNING FOR SAFETY AND EQUIPMENT CLEARANCE
TC-10	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS
TC-11	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)
TC-13	TYPICAL PAVEMENT MARKINGS
TC-14	TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC)
TC-22	ARTERIAL ROAD INFORMATION SIGN
TC-26	DRIVEWAY ENTRANCE SIGNING

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**GENERAL NOTES
INDEX OF SHEETS AND STANDARD DRAWINGS**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	FAP 0348 22 BJ	COOK	40	2
ILLINOIS			FED. AID PROJECT	

CONTRACT NO. 62T18

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				80% FED/20% STATE	
				BRIDGE REHABILITATION	
				0059	URBAN
	SN. 016-2598				
21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	39		39
25200110	SODDING, SALT TOLERANT	SQ YD	39		39
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	344		344
40604062	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70	TON	63		63
40800029	BITUMINOUS MATERIALS (TACK COAT)	POUND	302		302
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	434		434
44000100	PAVEMENT REMOVAL	SQ YD	78		78
44000173	HOT-MIX ASPHALT SURFACE REMOVAL, 6"	SQ YD	69		69
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	17		17
44000600	SIDEWALK REMOVAL	SQ FT	434		434
44003100	MEDIAN REMOVAL	SQ FT	1,290		1,290
44004250	PAVED SHOULDER REMOVAL	SQ YD	6		6
44200612	CLASS A PATCHES, TYPE III, 13 INCH	SQ YD	6		6
44201301	CLASS C PATCHES, TYPE I, 6 INCH	SQ YD	7		7
44201385	CLASS C PATCHES, TYPE I, 13 INCH	SQ YD	1		1
44213000	PATCHING REINFORCEMENT	SQ YD	7		7
44213200	SAW CUTS	FOOT	130		130
48203021	HOT-MIX ASPHALT SHOULDERS, 6"	SQ YD	69		69
50102400	CONCRETE REMOVAL	CU YD	21.8		21.8
50157300	PROTECTIVE SHIELD	SQ YD	661		661
50300255	CONCRETE SUPERSTRUCTURE	CU YD	23.2		23.2
50300260	BRIDGE DECK GROOVING	SQ YD	1,335		1,335
50300300	PROTECTIVE COAT	SQ YD	1,356.0		1,356.0
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	2,510.0		2,510.0
50800515	BAR SPLICERS	EACH	12		12
52000110	PREFORMED JOINT STRIP SEAL	FOOT	202.0		202.0
58700300	CONCRETE SEALER	SQ FT	40.0		40.0
59000200	EPOXY CRACK INJECTION	FOOT	78.0		78.0

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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.
348	FAP 0348 22 BJ	COOK	40	3
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62T18	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				80% FED/20% STATE	
				BRIDGE REHABILITATION	
				0059	URBAN
				SN. 016-2598	
60600095	CLASS SI CONCRETE (OUTLET)	CU YD	2.5		2.5
60618390	CONCRETE MEDIAN SURFACE, CORRUGATED	SQ FT	872		872
60620000	CONCRETE MEDIAN, TYPE SB-6.24	SQ FT	418		418
63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	100		100
63100075	TRAFFIC BARRIER TERMINAL, TYPE 5A	EACH	1		1
63200310	GUARDRAIL REMOVAL	FOOT	113		113
63302400	REMOVE AND REERECT TRAFFIC BARRIER TERMINALS, TYPE 5	EACH	1		1
63302700	REMOVE AND REERECT TRAFFIC BARRIER TERMINALS, TYPE 6	EACH	1		1
67100100	MOBILIZATION	L SUM	1		1
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	336		336
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	4,669		4,669
70307100	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS - TYPE IV TAPE	SQ FT	182		182
70307120	TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE	FOOT	12,040		12,040
70307130	TEMPORARY PAVEMENT MARKING - LINE 6" - TYPE IV TAPE	FOOT	1,073		1,073
70400100	TEMPORARY CONCRETE BARRIER	FOOT	563		563
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	563		563
70600241	IMPACT ATTENUATORS, TEMPORARY (NON- REDIRECTIVE, NARROW), TEST LEVEL 2	EACH	2		2
70600340	IMPACT ATTENUATORS, RELOCATE (NON- REDIRECTIVE), TEST LEVEL 2	EACH	2		2
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	73		73
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	13,730		13,730
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	450		450
* 78004635	PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - STANDARD - LINE 7"	FOOT	110		110
* 78009004	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	FOOT	802		802
* 78011040	GROOVING FOR RECESSED PAVEMENT MARKING 8"	FOOT	110		110
* 78100300	REPLACEMENT REFLECTOR	EACH	232		232
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	262		262
78300202	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	5,018		5,018

* SPECIALTY ITEM

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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.
348	FAP 0348 22 BJ	COOK	40	4
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62T18	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				80% FED/20% STATE	
				BRIDGE REHABILITATION	
				0059	URBAN
				SN. 016-2598	
85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1		1
K1004595	PRUNING FOR SAFETY AND EQUIPMENT CLEARANCE	L SUM	1		1
X0300062	GRAFFITI REMOVAL	SQ YD	10,500		10,500
X0326766	CLEAN & RESEAL RELIEF JOINT	FOOT	102		102
X4201400	BRIDGE APPROACH PAVEMENT (SPECIAL)	SQ YD	78		78
X4400503	COMBINATION CURB AND GUTTER REMOVAL AND REPLACEMENT GREATER THAN 10 FEET	FOOT	379		379
X5060700	CLEANING AND PAINTING BEARINGS	EACH	56		56
X6330902	RE-ATTACH GUARDRAIL TO STRUCTURE	EACH	1		1
X6700407	ENGINEER'S FIELD OFFICE, TYPE A (D1)	CAL MO	12		12
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1		1
Z0006014	BRIDGE DECK LATEX CONCRETE OVERLAY, 2 1/2 INCHES	SQ YD	1,301		1,301
Z0012130	BRIDGE DECK SCARIFICATION 3/4"	SQ YD	1,301		1,301
Z0012754	STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5 INCHES)	SQ FT	122		122
Z0012755	STRUCTURAL REPAIR OF CONCRETE (DEPTH GREATER THAN 5 INCHES)	SQ FT	21		21
Z0013798	CONSTRUCTION LAYOUT	L SUM	1		1
Z0016001	DECK SLAB REPAIR (FULL DEPTH, TYPE I)	SQ YD	2		2
Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	64		64
Z0038114	PORTLAND CEMENT CONCRETE SURFACE REMOVAL 1/4"	SQ YD	258		258
Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1		1
Z0064800	SELECTIVE CLEARING	UNIT	2		2
Z0073510	TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1		1
Ø Z0076600	TRAINEES	HOURS	500		500
Ø Z0076604	TRAINEES - TRAINING PROGRAM GRADUATE	HOURS	500		500

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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.
348	FAP 0348 22 BJ	COOK	40	5
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62T18	

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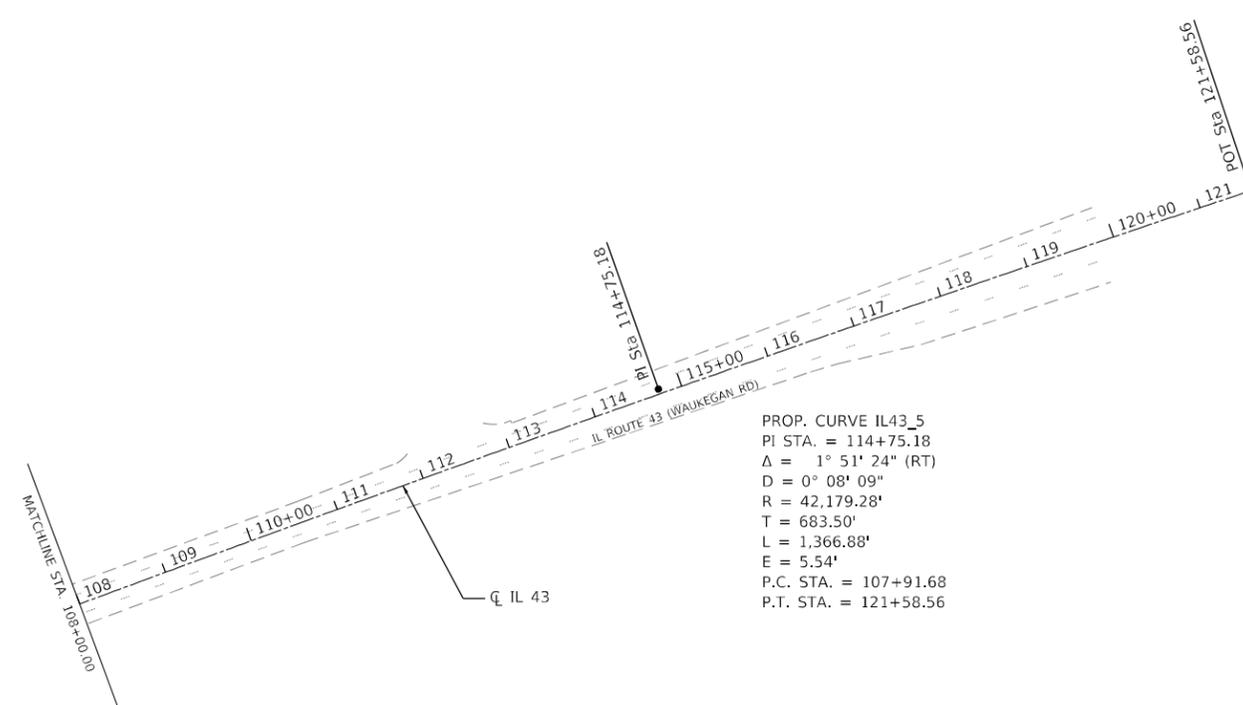
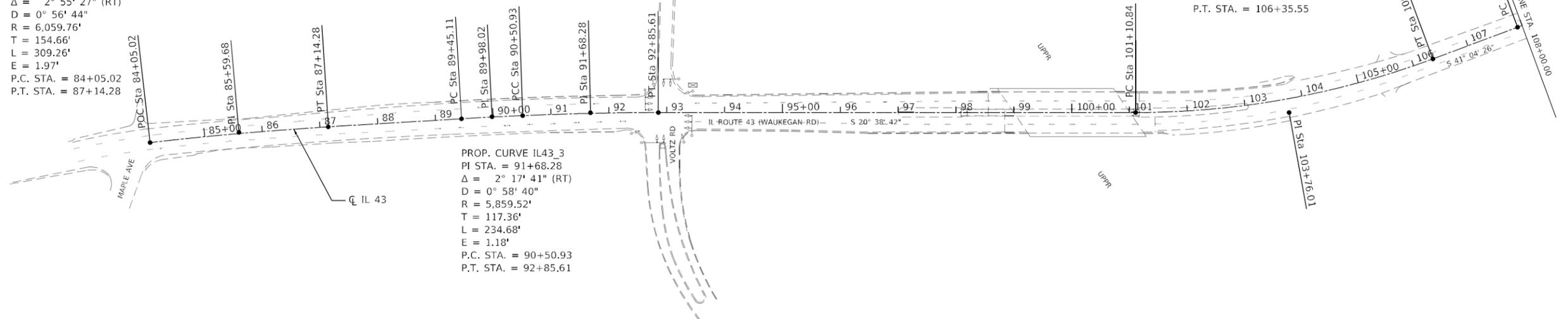
PROP. CURVE IL43_1
 PI STA. = 85+59.68
 $\Delta = 2^\circ 55' 27''$ (RT)
 $D = 0^\circ 56' 44''$
 $R = 6,059.76'$
 $T = 154.66'$
 $L = 309.26'$
 $E = 1.97'$
 P.C. STA. = 84+05.02
 P.T. STA. = 87+14.28

PROP. CURVE IL43_2
 PI STA. = 89+98.02
 $\Delta = 1^\circ 56' 28''$ (RT)
 $D = 1^\circ 50' 04''$
 $R = 3,123.48'$
 $T = 52.91'$
 $L = 105.82'$
 $E = 0.45'$
 P.C. STA. = 89+45.11
 P.T. STA. = 90+50.93

PROP. CURVE IL43_4
 PI STA. = 103+76.01
 $\Delta = 20^\circ 25' 47''$ (LT)
 $D = 3^\circ 53' 37''$
 $R = 1,471.57'$
 $T = 265.17'$
 $L = 524.71'$
 $E = 23.70'$
 P.C. STA. = 101+10.84
 P.T. STA. = 106+35.55

PROP. CURVE IL43_3
 PI STA. = 91+68.28
 $\Delta = 2^\circ 17' 41''$ (RT)
 $D = 0^\circ 58' 40''$
 $R = 5,859.52'$
 $T = 117.36'$
 $L = 234.68'$
 $E = 1.18'$
 P.C. STA. = 90+50.93
 P.T. STA. = 92+85.61

PROP. CURVE IL43_5
 PI STA. = 114+75.18
 $\Delta = 1^\circ 51' 24''$ (RT)
 $D = 0^\circ 08' 09''$
 $R = 42,179.28'$
 $T = 683.50'$
 $L = 1,366.88'$
 $E = 5.54'$
 P.C. STA. = 107+91.68
 P.T. STA. = 121+58.56



ALIGNMENT COORDINATES IL ROUTE 43 (WAUKEGAN RD)			
	STATION	N	E
POC	84+05.02	1988720.213	1125035.910
PI	85+59.68	1988582.578	1125106.461
PT	87+14.28	1988441.523	1125169.900
PC	89+45.11	1988230.803	1125264.138
PI	89+98.02	1988182.685	1125286.152
PCC	90+50.93	1988133.850	1125306.523
PI	91+68.28	1988025.906	1125352.575
PT	92+85.61	1987916.204	1125394.268
PC	101+10.84	1987143.968	1125106.461
PI	103+76.01	1986895.826	1125778.717
PT	106+35.55	1986695.926	1125952.945
PC	107+91.68	1986578.223	1126055.531
PI	114+75.18	1986062.156	1126503.691
POT	121+58.56	1985531.840	1126934.894

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	DRAWN - BKAMBER	REVISED -
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

IL ROUTE 43 (WAUKEGAN RD) OVER UPRR ALIGNMENT			
SCALE: 1"=100'	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	FAP 0348 22 BJ	COOK	40	6
CONTRACT NO. 62T18				
ILLINOIS FED. AID PROJECT				

REMOVAL AND PROPOSED LEGEND

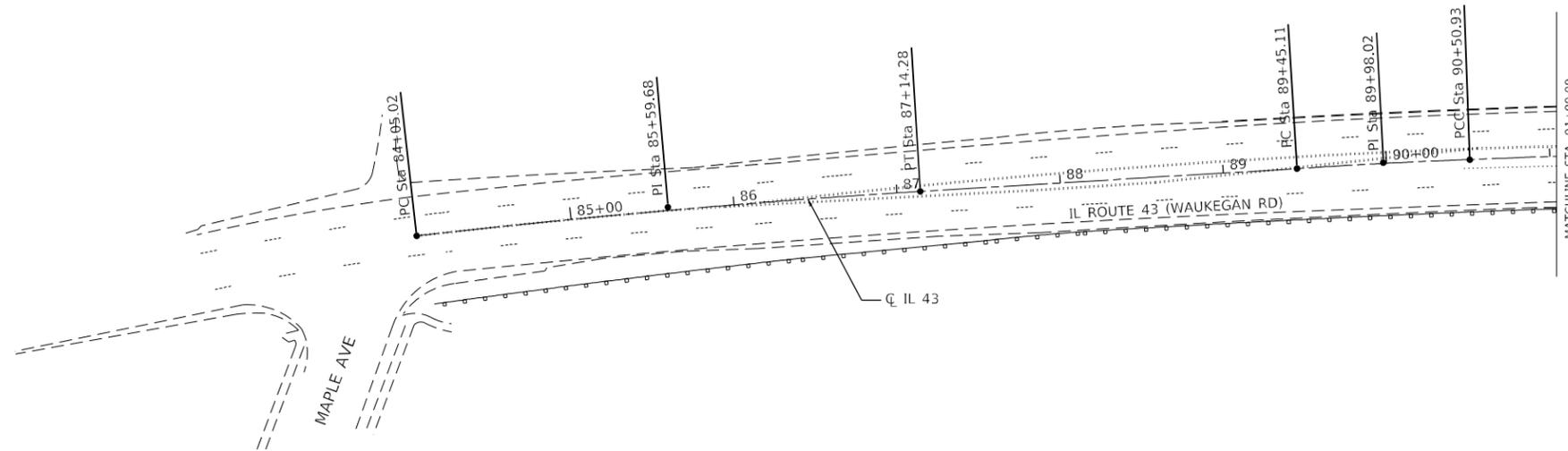
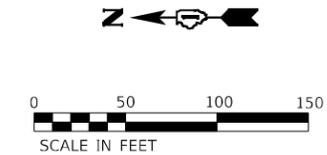
	HMA SC IL-9.5 D N70, 1 3/4 IN. HMA SURF REM BUTT JT	40604062 40600982
	BRIDGE APPROACH PAVEMENT (SPECIAL) PAVEMENT REM	X4201400 44000100
	HMA SC IL-9.5 D N70, 2 IN. PCC SURF REM, 1/4 IN.	40604062 Z0038114
	CONC MED SURF CORR MEDIAN REMOVAL	60618390 44003100
	CONC MED TSB6.24 MEDIAN REMOVAL	60620000 44003100
	CL A PATCH T3 13	44200612
	HMA SHOULDERS 6 HMA SURF REM 6	48203021 44000173
	PC CONC SIDEWALK 5 SIDEWALK REM	42400200 44000600
	CLASS SI CONC OUTLET, TY B-6.24 GUTTER REM	60600095 44000400
	COMB C&G REM REP >10	X4400503
	TOPSOIL F & P 4 SODDING SALT TOLERANT	21101615 25200110
	PRUN SAFETY/EQUIP CLR	K1004595
	SELECTIVE CLEARING	Z0064800

	CL C PATCH T1 13	44201385
	CL C PATCH T1 6	44201301
	HOT-POURED JOINT SEALER *****	

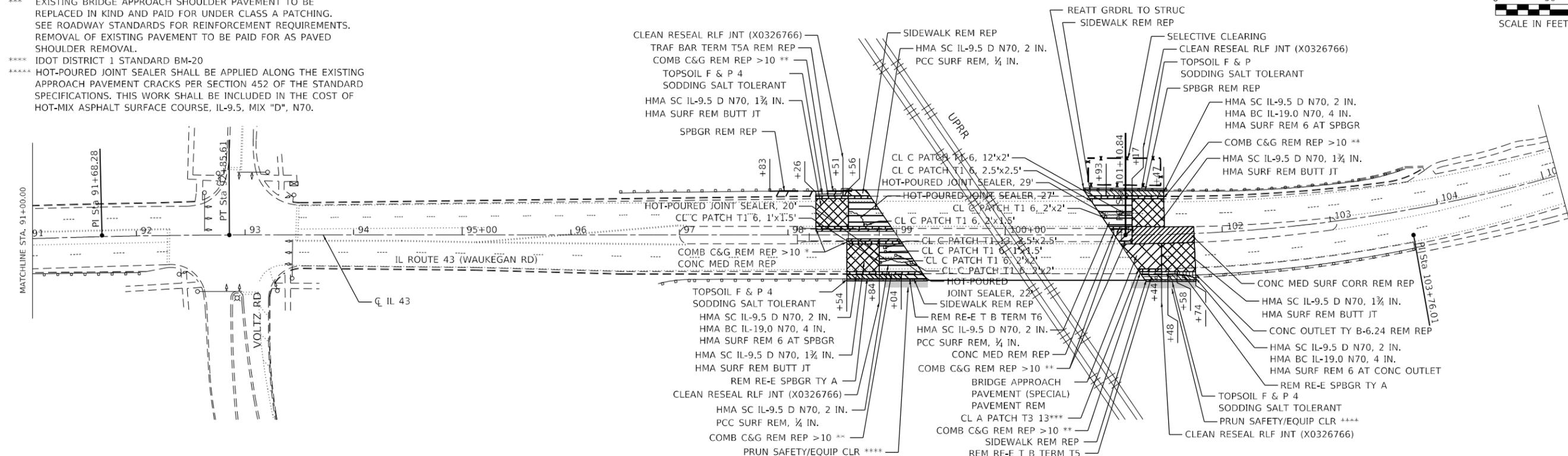
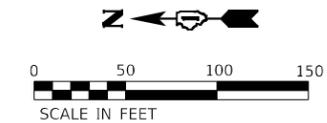
HOT-MIX ASPHALT MIXTURE REQUIREMENTS		
MIXTURE TYPE	AIR VOIDS @ NODES	QMP
APPROACH PAVEMENT RESURFACING & BUTT JOINT		
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70, 1 3/4 IN. ; 2 IN.	4% @ 70 GYR	QC/QA
SHOULDER RECONSTRUCTION		
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70, 2 IN.	4% @ 70 GYR	QC/QA
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 4 IN.	4% @ 70 GYR	QC/QA
QMP DESIGNATIONS: QUALITY CONTROL/QUALITY ASSURANCE (QC/QA)		

NOTES

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



- * IDOT DISTRICT 1 STANDARD BD-24
- ** ROADWAY DETAILS
- *** EXISTING BRIDGE APPROACH SHOULDER PAVEMENT TO BE REPLACED IN KIND AND PAID FOR UNDER CLASS A PATCHING. SEE ROADWAY STANDARDS FOR REINFORCEMENT REQUIREMENTS. REMOVAL OF EXISTING PAVEMENT TO BE PAID FOR AS PAVED SHOULDER REMOVAL.
- **** IDOT DISTRICT 1 STANDARD BM-20
- ***** HOT-POURED JOINT SEALER SHALL BE APPLIED ALONG THE EXISTING APPROACH PAVEMENT CRACKS PER SECTION 452 OF THE STANDARD SPECIFICATIONS. THIS WORK SHALL BE INCLUDED IN THE COST OF HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70.



MODEL SHEET
FILE NAME: D0125522-sha-bdr_01.dgn



USER NAME = amalla.baymundo	DESIGNED - MAC	REVISED -
PLOT SCALE = 100,0000' / in.	DRAWN - MAC	REVISED -
PLOT DATE = 8/18/2023	CHECKED - AMB	REVISED -
	DATE - 08/18/2023	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 43 (WAUKEGAN RD) OVER UPRR
REMOVAL AND PROPOSED PLAN**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	FAP 0348 22 BJ	COOK	40	7
CONTRACT NO. 62T18				
ILLINOIS FED. AID PROJECT				

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

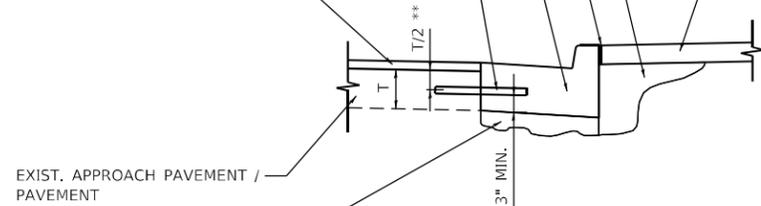
PROPOSED 3/4" PREFORMED EXPANSION JOINT AT CONCRETE SIDEWALKS (INCLUDED IN THE COST OF COMBINATION CURB AND GUTTER REMOVAL AND REPLACEMENT)

SEE STATE STANDARD 606001

PROPOSED #6 EPOXY COATED TIE BARS 24" LONG AT 24" CENTERS WILL NOT BE PAID FOR SEPARATELY. DELETE EPOXY COATED TIE BARS IF EXISTING TIE BARS ARE USABLE AS DETERMINED BY THE ENGINEER.

PROP. HOT MIX ASPHALT SURFACE COURSE

PROP. SIDEWALK / PROP. MEDIAN / PROP. HOT MIX ASPHALT STABILIZATION / EX. GROUND



EXIST. APPROACH PAVEMENT / PAVEMENT

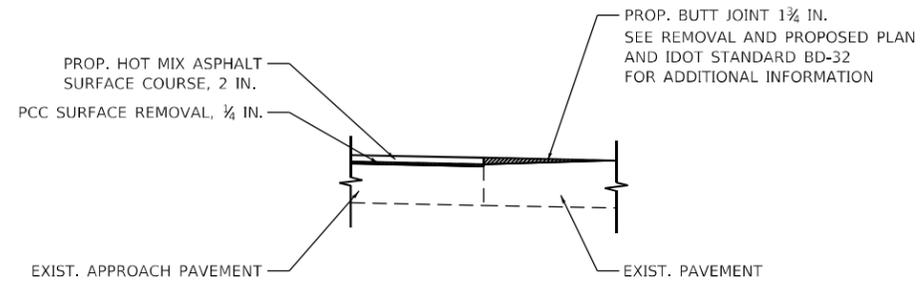
UNSUITABLE SUB-BASE MATERIAL TO BE REMOVED, IF DIRECTED BY THE ENGINEER, SHALL BE REPLACED WITH EITHER SUB-BASE GRANULAR MATERIAL, TYPE B OR ADDITIONAL THICKNESS OF CONCRETE.
REMOVAL AND REPLACEMENT 6" OR LESS IS INCLUDED IN THE COST OF COMBINATION CURB AND GUTTER REMOVAL AND REPLACEMENT.
REMOVAL AND REPLACEMENT IN EXCESS OF 6" WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS.

**COMBINATION CURB AND GUTTER
REMOVAL AND REPLACEMENT**

** 3" MINIMUM FROM TOP AND BOTTOM OF THE CONCRETE PAVEMENT OR BASE COURSE.

DETAIL NOTES

1. COMB. CURB AND GUTTER REPLACEMENT SHALL MATCH THE SHAPE OF THE EXISTING CURB AND GUTTER UNLESS OTHERWISE SPECIFIED.
2. LONGITUDINAL BARS, IF ENCOUNTERED IN THE EXISTING CURB AND GUTTER, ARE NOT TO BE REPLACED. CUTTING AND REMOVING LONGITUDINAL BARS SHALL BE INCLUDED IN THE COST OF COMBINATION CURB AND GUTTER REMOVAL AND REPLACEMENT.
3. THE REMOVAL AND REPLACEMENT OF THE EXISTING CURB AND GUTTER SHALL BE DONE IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF SECTION 440 AND 606 OF THE STANDARD SPECIFICATIONS.



APPROACH RESURFACING

MODEL SHEET
FILE NAME: D0125522-ctb-bc-detail_01



USER NAME = amalla.baymundo	DESIGNED - MAC	REVISED -
	DRAWN - MAC	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED - AMB	REVISED -
PLOT DATE = 8/18/2023	DATE - 08/18/2023	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

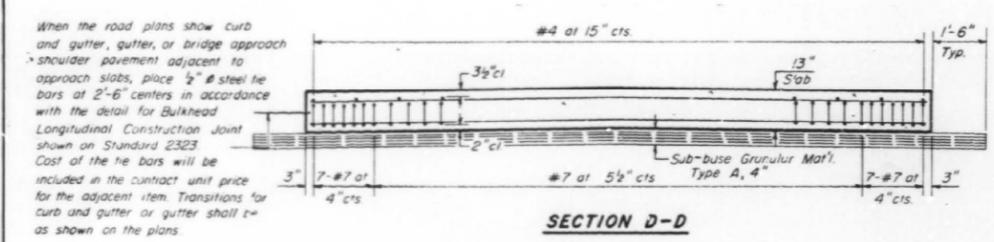
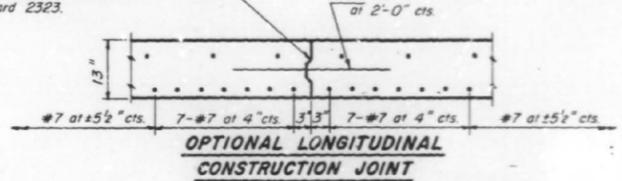
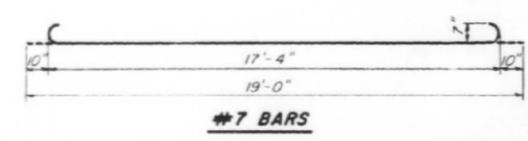
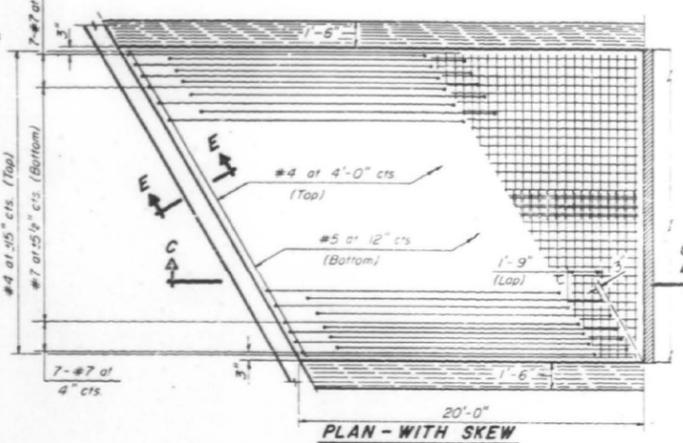
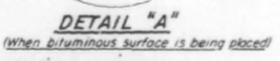
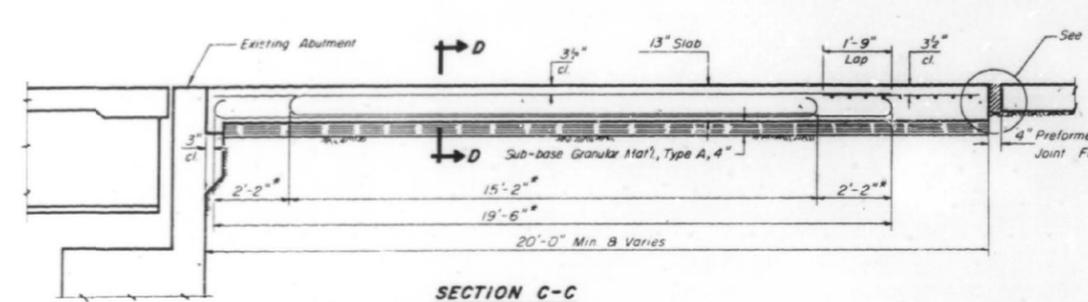
**IL ROUTE 43 (WAUKEGAN RD) OVER UPRR
ROADWAY DETAILS**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	FAP 0348 22 BJ	COOK	40	8
ILLINOIS			FED. AID PROJECT	

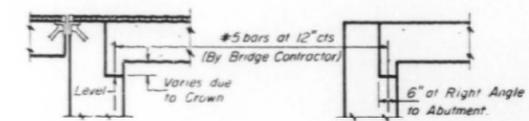
CONTRACT NO. 62T18

F. I. SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348 1350 VB-89	COOK	50	41
STA.	TO STA.		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT	



When the road plans show curb and gutter, gutter, or bridge approach shoulder pavement adjacent to approach slabs, place $\frac{1}{2}$ " \emptyset steel tie bars at 2'-6" centers in accordance with the detail for Bulkhead Longitudinal Construction Joint shown on Standard 2323. Cost of the tie bars will be included in the contract unit price for the adjacent item. Transitions for curb and gutter or gutter shall be as shown on the plans.

As approved by the Engineer, the Contractor may elect to reduce the widths of pour by use of the Optional Longitudinal Construction Joint shown. Joints shall be located at the edge of a traffic lane.



SECTION E-E

Notes:
For skews of less than 10° omit wire fabric. For skews of 10° or more use Welded Wire Fabric, 6" x 6" - W5.5 x W5.5, placed 3/8" below top of slab. Expanded Metal weighing not less than 78 Pounds per 100 Sq. Ft. or a welded bar mat weighing not less than 78 Pounds per 100 Sq. Ft. having members of equal size in both directions and spaced not over 8" apart may be used instead of the Welded Wire Fabric, 6" x 6" - W5.5 x W5.5, provided the expanded metal or bar mat is furnished at no additional cost to the State. Reinforcement bars shall conform to the requirements of A.A.S.H.T.O. II 31 or II 53, Grade 60.

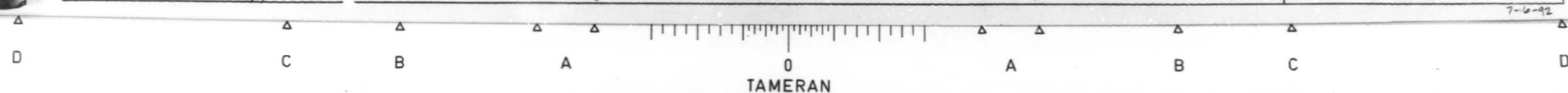
DESIGN STRESSES
fy = 60,000 psi
fc = 3500 psi
n = 8.5

GENERAL NOTES

The cost of tie bars, expansion joint filler, sub-base, welded wire fabric and bituminous prime when required shall be considered as included in the unit cost of the Bridge Approach Pavement.
Prefomed Expansion Joint Filler shall conform to Art. 715.10 of the Standard Specifications. Width of Bridge Approach Slab shall be determined before the reinforcement bars are fabricated.
The bituminous patch, when required, will be paid for in accordance with Section 620 of the Standard Specifications.

BRIDGE APPROACH PAVEMENT (SPECIAL)
F.A.P. 348 (IL. 43) OVER C. & NW. R.R.
Sheet 1 of 2

Illinois Department of Transportation
APPROVED Mar. 10, 1986
APPROVED Mar. 10, 1986



MODEL Default
FILE NAME: D:\135522-act-Approach\SubDetail-1



USER NAME = amalla,baymundo
PLOT SCALE = 0.1667' / in.
PLOT DATE = 8/18/2023

DESIGNED - AMB
DRAWN - AMB
CHECKED - DB
DATE - 08/18/2023

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

APPROACH PAVEMENT REPLACEMENT DETAILS I

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	FAP 0348 22 BJ	COOK	40	9
CONTRACT NO. 62T18				
ILLINOIS FED. AID PROJECT				

Note: The notation for the number of bars given as "4 x 2" indicates 4 longitudinal bars with 2 length per line. Min. bar lap = 1'-3"

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	COOK	50	42
STA. TO STA.		FED. AID PROJECT	

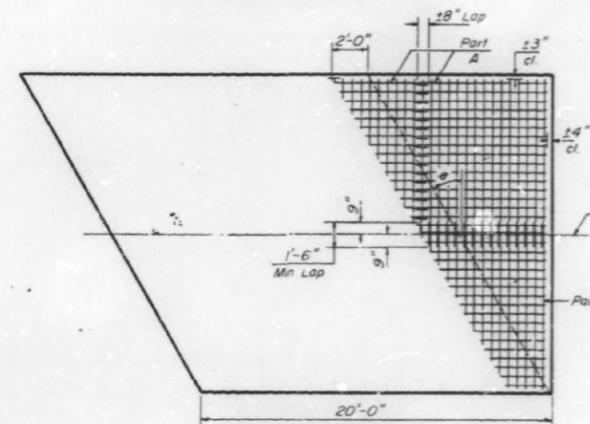
Slew Angle Degrees	Bottom Reinforcement		Top Reinforcement		Reinforcement (Total Weight) (Pounds)	Slab Area (Sq Yds.)	6x6-W5.5xW5.5 W.W.F.	
	Transverse #5	Longitudinal #7	Transverse #4	Longitudinal #4			Dimensions L(ft)xW(ft)	Area* (Sq Yds.)
18'-0" PAVEMENT								
0	20	17'-6"	6	17'-6"	2300	40.0		
5	20	17'-7"	6	17'-7"	2302	41.6		
10	20	17'-9"	6	17'-9"	2306	43.2	7'-0"x9'-6"	7.4
15	20	18'-1"	5	18'-1"	2303	44.8	8'-6"x9'-6"	9.0
20	19	18'-8"	5	18'-8"	2297	46.6	10'-6"x9'-6"	11.1
25	18	19'-4"	5	19'-4"	2292	48.4	12'-3"x9'-6"	12.9
30	18	20'-3"	5	20'-3"	2313	50.4	14'-3"x9'-6"	15.0
35	17	21'-4"	5	21'-4"	2315	52.6	16'-6"x9'-6"	17.4
40	16	22'-10"	4	22'-10"	2307	55.1	19'-0"x9'-6"	20.1
45	14	24'-9"	4	24'-9"	2293	58.0	21'-9"x9'-6"	23.0
50	13	27'-3"	3	27'-3"	2308	61.5	25'-6"x9'-6"	26.9
55	12x2	15'-9"	3x2	15'-9"	2322	65.7	29'-3"x9'-6"	31.4
60	10x2	18'-0"	3x2	18'-0"	2313	71.2	35'-3"x9'-6"	37.2
24'-0" PAVEMENT								
0	20	23'-6"	6	23'-6"	3019	53.3		
5	20	23'-7"	6	23'-7"	3021	56.1		
10	20	23'-10"	6	23'-10"	3028	58.9	8'-0"x12'-6"	11.1
15	20	24'-4"	5	24'-4"	3024	61.9	10'-3"x12'-6"	14.2
20	19	25'-0"	5	25'-0"	3014	64.9	12'-6"x12'-6"	17.4
25	18	25'-11"	5	25'-11"	3008	68.2	15'-0"x12'-6"	20.8
30	18	27'-2"	5	27'-2"	3036	71.8	17'-9"x12'-6"	24.7
35	17	28'-8"	5	28'-8"	3039	75.7	20'-9"x12'-6"	28.8
40	16x2	16'-0"	4x2	16'-0"	3055	80.2	24'-0"x12'-6"	33.3
45	14x2	17'-3"	4x2	17'-3"	3031	85.3	27'-6"x12'-6"	38.2
50	13x2	18'-10"	4x2	18'-10"	3046	91.4	32'-9"x12'-6"	45.5
55	12x2	21'-1"	3x2	21'-1"	3047	99.0	38'-3"x12'-6"	53.1
60	10x2	24'-0"	3x2	24'-0"	3032	108.7	45'-6"x12'-6"	63.2

*Area does not include 8" longitudinal laps
W.W.F.=Welded Wire Fabric

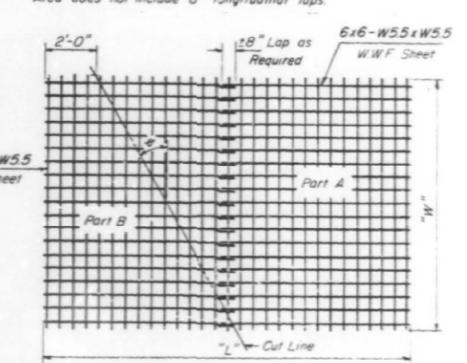
Slew Angle Degrees	Bottom Reinforcement		Top Reinforcement		Reinforcement (Total Weight) (Pounds)	Slab Area (Sq Yds.)	6x6-W5.5xW5.5 W.W.F.	
	Transverse #5	Longitudinal #7	Transverse #4	Longitudinal #4			Dimensions L(ft)xW(ft)	Area* (Sq Yds.)
26'-0" PAVEMENT								
0	20	25'-6"	6	25'-6"	3238	57.8		
5	20	25'-7"	6	25'-7"	3240	61.1		
10	20	25'-11"	6	25'-11"	3249	64.4	8'-6"x13'-6"	12.8
15	20	26'-5"	5	26'-5"	3243	67.8	11'-0"x13'-6"	16.5
20	19	27'-2"	5	27'-2"	3233	71.4	13'-6"x13'-6"	20.3
25	18	28'-2"	5	28'-2"	3227	75.3	16'-3"x13'-6"	24.4
30	18x2	15'-3"	5x2	15'-3"	3278	79.5	19'-0"x13'-6"	28.5
35	17x2	16'-1"	5x2	16'-1"	3282	84.1	22'-3"x13'-6"	33.4
40	16x2	17'-2"	4x2	17'-2"	3269	89.3	25'-9"x13'-6"	38.6
45	14x2	18'-6"	4x2	18'-6"	3243	95.3	30'-0"x13'-6"	45.0
50	13x2	20'-4"	4x2	20'-4"	3264	102.5	35'-0"x13'-6"	52.5
55	12x2	22'-9"	3x2	22'-9"	3265	111.4	41'-3"x13'-6"	61.9
60	10x2	26'-0"	3x2	26'-0"	3251	122.8	49'-0"x13'-6"	73.5
36'-0" PAVEMENT								
0	20x2	18'-3"	6x2	18'-3"	4471	80.0		
5	20x2	18'-4"	6x2	18'-4"	4475	86.3		
10	20x2	18'-6"	6x2	18'-6"	4483	92.7	10'-0"x18'-6"	20.6
15	20x2	18'-10"	5x2	18'-10"	4475	99.3	13'-6"x18'-6"	27.7
20	19x2	19'-5"	5x2	19'-5"	4462	106.2	17'-0"x18'-6"	34.9
25	18x2	20'-2"	5x2	20'-2"	4455	113.6	20'-6"x18'-6"	42.1
30	18x2	21'-0"	5x2	21'-0"	4492	121.6	24'-3"x18'-6"	50.8
35	17x2	22'-3"	5x2	22'-3"	4501	130.4	29'-0"x18'-6"	59.6
40	16x2	23'-9"	4x2	23'-9"	4483	140.4	33'-9"x18'-6"	69.4
45	14x2	25'-8"	4x2	25'-8"	4450	152.0	39'-6"x18'-6"	81.2
50	13x2	28'-2"	4x2	28'-2"	4477	165.8	46'-6"x18'-6"	95.6
55	12x2	31'-4"	3x2	31'-4"	4492	182.8	55'-0"x18'-6"	113.0
60	10x2	34'-4"	3x2	34'-4"	4471	204.7	65'-9"x18'-6"	135.1

*Area does not include 8" longitudinal laps

* USE THIS REINFORCEMENT FOR 25'-7" APPROACH PAVEMENT INCREASE LAP AS REQUIRED



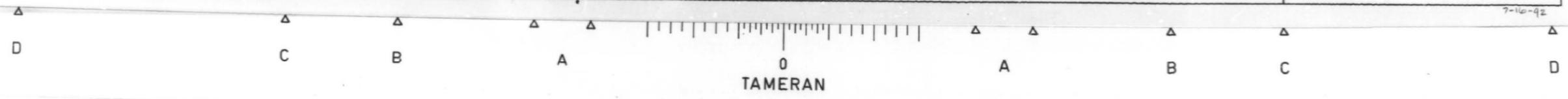
PLACEMENT OF 6x6-W5.5xW5.5 W.W.F. only required on skews ≥ 10°



CUTTING DIAGRAM

Illinois Department of Transportation
 APPROVED: [Signature] Mar. 10, 1986
 Engineer of Bridges and Structures
 APPROVED: [Signature] Mar. 10, 1986
 Engineer of Design

BRIDGE APPROACH PAVEMENT (SPECIAL)
 F.A.P. 348 (IL. 43) OVER C. & NW. R.R.
 Sheet 2 of 2

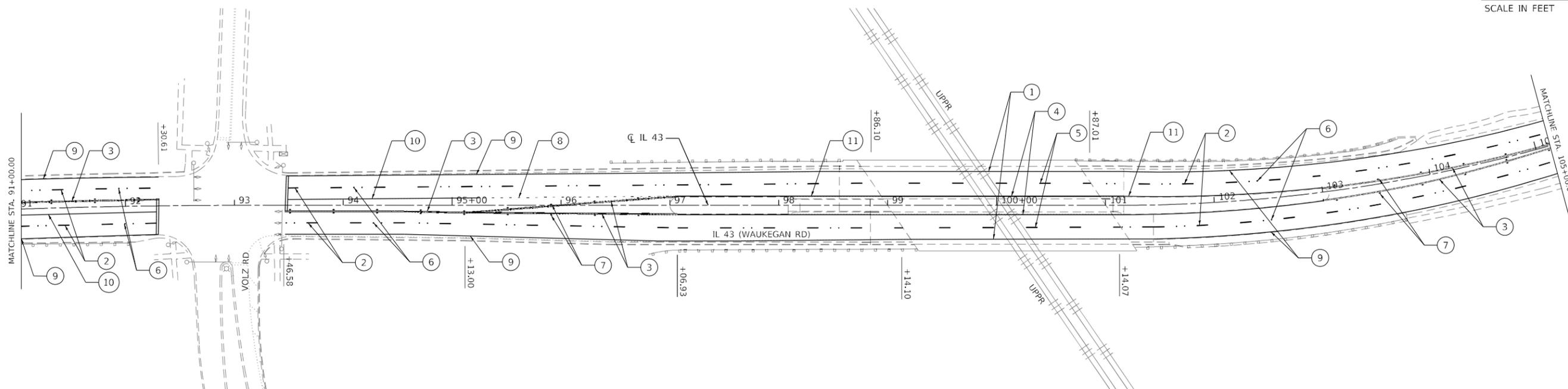
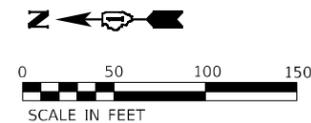
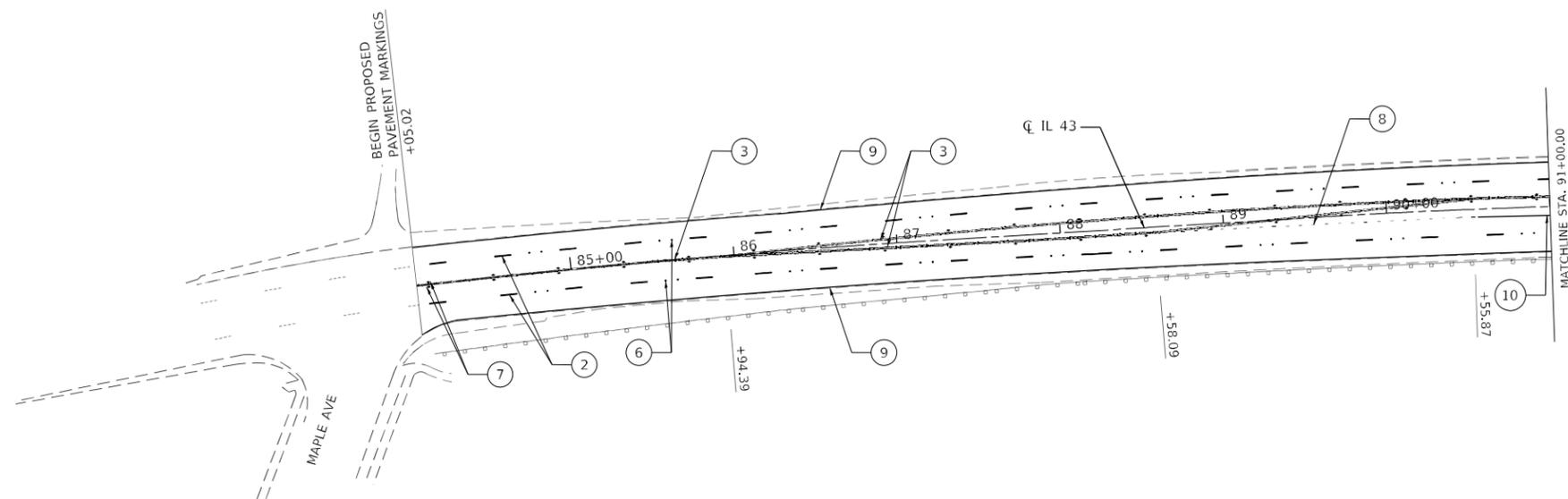
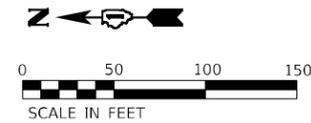


LEGEND:

- ① MODIFIED URETHANE PAVEMENT MARKING, LINE 4" (WHITE EDGE LINES)
- ② THERMOPLASTIC PAVEMENT MARKING, STANDARD, LINE 4" (WHITE 10' DASH, 30' SKIP)
- ③ THERMOPLASTIC PAVEMENT MARKING, DOUBLE, LINE 4" (YELLOW SOLID 2 @ 11")
- ④ MODIFIED URETHANE PAVEMENT MARKING, LINE 4" (YELLOW EDGE LINES)
- ⑤ PREFORMED PLASTIC PAVEMENT MARKING, TYPE D, STANDARD, LINE 7" (10' DASH, 30' SKIP) (1.5" BLACK, 4" WHITE, 1.5" BLACK) (GROOVED)
- ⑥ REPLACEMENT REFLECTOR MARKER (1-WAY CRYSTAL/OPAQUE)
- ⑦ REPLACEMENT REFLECTOR MARKER (2-WAY YELLOW/OPAQUE)
- ⑧ THERMOPLASTIC PAVEMENT MARKING, STANDARD, LINE 6" (WHITE 2' DASH, 6" SKIP)
- ⑨ THERMOPLASTIC PAVEMENT MARKING, STANDARD, LINE 4" (WHITE EDGE LINES)
- ⑩ THERMOPLASTIC PAVEMENT MARKING, STANDARD, LINE 6" (TURN LANE EDGE LINE)
- ⑪ THERMOPLASTIC PAVEMENT MARKING, STANDARD, LINE 4" (YELLOW EDGE LINES)

NOTE

RAISED REFLECTIVE PAVEMENT MARKERS SHALL NOT BE INSTALLED WITHIN BRIDGE LIMITS



MODEL SHEET
FILE NAME: D0125522-01-PAK_01



USER NAME = amalla,baymundo
PLOT SCALE = 100,0000' / in.
PLOT DATE = 8/18/2023

DESIGNED - BKAMBER	REVISED -
DRAWN - BKAMBER	REVISED -
CHECKED - HREGAN	REVISED -
DATE - 08/18/2023	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 43 (WAUKEGAN RD) OVER UPRR
PROPOSED PAVEMENT MARKINGS**

SCALE: 1" = 50' SHEET 1 OF 2 SHEETS STA. 84+05 TO STA. 105+00

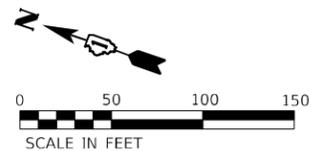
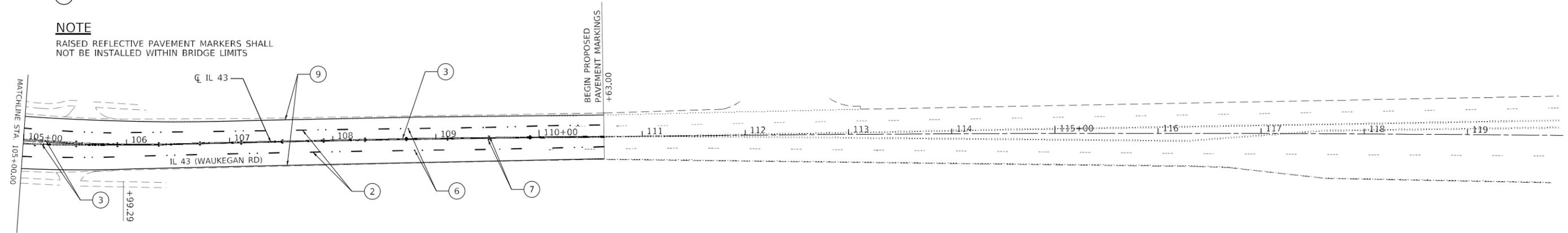
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	FAP 0348 22 BJ	COOK	40	11
CONTRACT NO. 62T18				
ILLINOIS FED. AID PROJECT				

LEGEND:

- ① MODIFIED URETHANE PAVEMENT MARKING, LINE 4" (WHITE EDGE LINES)
- ② THERMOPLASTIC PAVEMENT MARKING, STANDARD, LINE 4" (WHITE 10' DASH, 30' SKIP)
- ③ THERMOPLASTIC PAVEMENT MARKING, DOUBLE, LINE 4" (YELLOW SOLID 2 @ 11")
- ④ MODIFIED URETHANE PAVEMENT MARKING, LINE 4" (YELLOW EDGE LINES)
- ⑤ PREFORMED PLASTIC PAVEMENT MARKING, TYPE D, STANDARD, LINE 7" (10' DASH, 30' SKIP) (1.5" BLACK, 4" WHITE, 1.5" BLACK) (GROOVED)
- ⑥ REPLACEMENT REFLECTOR MARKER (1-WAY CRYSTAL/OPAQUE)
- ⑦ REPLACEMENT REFLECTOR MARKER (2-WAY YELLOW/OPAQUE)
- ⑧ THERMOPLASTIC PAVEMENT MARKING, STANDARD, LINE 6" (WHITE 2' DASH, 6" SKIP)
- ⑨ THERMOPLASTIC PAVEMENT MARKING, STANDARD, LINE 4" (WHITE EDGE LINES)
- ⑩ THERMOPLASTIC PAVEMENT MARKING, STANDARD, LINE 6" (TURN LANE EDGE LINE)
- ⑪ THERMOPLASTIC PAVEMENT MARKING, STANDARD, LINE 4" (YELLOW EDGE LINES)

NOTE

RAISED REFLECTIVE PAVEMENT MARKERS SHALL NOT BE INSTALLED WITHIN BRIDGE LIMITS



MODEL SHEET
FILE NAME: D0125522-01-PRK_02



USER NAME = amalla,baymundo	DESIGNED - BKAMBER	REVISED -
DRAWN - BKAMBER	REVISIONS -	
PLOT SCALE = 100,0000' / in.	CHECKED - HREGAN	REVISED -
PLOT DATE = 8/18/2023	DATE - 08/18/2023	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 43 (WAUKEGAN RD) OVER UPRR
PROPOSED PAVEMENT MARKINGS**

SCALE: 1" = 50' SHEET 2 OF 2 SHEETS STA. 105+00 TO STA. 119+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	FAP 0348 22 BJ	COOK	40	12
CONTRACT NO. 62T18				
ILLINOIS FED. AID PROJECT				

MAINTENANCE OF TRAFFIC GENERAL NOTES

1. ALL TRAFFIC CONTROL SIGNS, DEVICES, AND WORK ZONE PAVEMENT MARKING NECESSARY FOR THE MAINTENANCE OF TRAFFIC, AS SHOWN ON THE PLANS, SHALL BE IN PLACE BEFORE THE START OF ANY CONSTRUCTION STAGE.
2. ALL CONSTRUCTION WARNING SIGNS SHALL BE BLACK LEGEND ON ORANGE BACKGROUND. ALL CONSTRUCTION WARNING SIGNS SHALL BE 48" X 48".
3. ALL "ROAD CONSTRUCTION AHEAD" WARNING SIGNS SHALL BE EQUIPPED WITH TYPE A MONO-DIRECTIONAL FLASHING LIGHT.
4. EXISTING PAVEMENT MARKINGS AND RAISED MARKER REFLECTORS THAT CONFLICT WITH TEMPORARY MARKINGS SHALL BE REMOVED. RAISED PAVEMENT MARKER REFLECTORS SHALL BE REPLACED DURING THE PLACEMENT OF THE FINAL PAVEMENT MARKINGS.
5. CHANGEABLE MESSAGE SIGNS SHALL BE INSTALLED TWO WEEKS PRIOR TO ALL TRAFFIC STAGE CHANGES AND NIGHTTIME DETOUR EVENTS ON EACH APPROACH OF THE AFFECTED ROADWAY TO WARN MOTORISTS OF THE UPCOMING EVENT. THE SIGN MESSAGES SHALL BE REVISED TWO WEEKS THEREAFTER WITH MESSAGES WARNING TRAFFIC OF POTENTIAL TRAFFIC DELAYS, QUEUING, AND/OR WITH MESSAGES NOTIFYING TRAFFIC TO USE ALTERNATE ROUTES. THE SIGN LOCATIONS AND MESSAGES SHALL BE DETERMINED BY THE ENGINEER.
6. SIDEWALK CLOSURES AT VOLTZ ROAD SHALL FOLLOW HIGHWAY STANDARD 701801-06.
7. TREE PRUNING AT NORTH AND SOUTH ABUTMENTS SHALL BE PERFORMED AS NEEDED TO REMOVE TREE BRANCHES IN THE WAY OF CONSTRUCTION.
8. THE CONTRACTOR SHALL NOT DISTURB THE OVERHEAD POWER LINE DURING CONSTRUCTION.

SUGGESTED STAGING AND TRAFFIC CONTROL

STAGE 1

INSTALL TEMPORARY SIGNING, STRIPING AND OTHER TRAFFIC CONTROL DEVICES NECESSARY FOR THE STAGE 1 TRAFFIC CONFIGURATION, INCLUDING ANY NECESSARY MODIFICATIONS TO THE EXISTING GROUND MOUNTED AND OVERHEAD SIGNS.

TRAFFIC CONTROL:

1. TRAFFIC WILL BE REDUCED TO ONE NORTHBOUND LANE AND ONE SOUTHBOUND LANE.
2. THE NORTHBOUND LANE AND THE SOUTHBOUND LANE WILL BE MAINTAINED THROUGHOUT THE CONTRACT LIMITS WITH A SHIFT TO THE NORTHBOUND LANES OCCURING AT THE BRIDGE STRUCTURE TO ACCOMMODATE THE WORK ZONES.

CONSTRUCTION

1. REPAIR BRIDGE DECK.
2. REPAIR APPROACH PAVEMENT.
3. RECONSTRUCT DECK JOINTS AT EACH ABUTMENT WITH PREFORMED JOINT STRIP SEAL.
4. REPAIR PARAPET WITH FORMED CONCRETE REPAIR.
5. CLEAN AND RESEAL RELIEF JOINTS AT THE END OF APPROACH PAVEMENT CONNECTORS.
6. APPLY CONCRETE SEALER TO PARAPETS, AND ABUTMENT SEATS AND BACKWALLS.
7. INSTALL HMA OVERLAY OVER APPROACH PAVEMENT.
8. REPAIR SLOPEWALL.

STAGE 2

INSTALL TEMPORARY SIGNING, STRIPING AND OTHER TRAFFIC CONTROL DEVICES NECESSARY FOR THE STAGE 2 TRAFFIC CONFIGURATION, INCLUDING ANY NECESSARY MODIFICATIONS TO THE EXISTING GROUND MOUNTED AND OVERHEAD SIGNS.

TRAFFIC CONTROL:

1. TRAFFIC WILL REMAIN AS ONE NORTHBOUND LANE AND ONE SOUTHBOUND LANE.
2. THE NORTHBOUND LANE AND THE SOUTHBOUND LANE WILL BE MAINTAINED THROUGHOUT THE CONTRACT LIMITS WITH A SHIFT TO THE SOUTHBOUND LANES OCCURING AT THE BRIDGE STRUCTURE TO ACCOMMODATE THE WORK ZONES.

CONSTRUCTION

1. REPAIR BRIDGE DECK.
2. REPAIR APPROACH PAVEMENT.
3. RECONSTRUCT DECK JOINTS AT EACH ABUTMENT WITH PREFORMED JOINT STRIP SEAL.
4. REPAIR PARAPET WITH FORMED CONCRETE REPAIR.
5. CLEAN AND RESEAL RELIEF JOINTS AT THE END OF APPROACH PAVEMENT CONNECTORS.
6. APPLY CONCRETE SEALER TO PARAPETS, AND ABUTMENT SEATS AND BACKWALLS.
7. INSTALL HMA OVERLAY OVER APPROACH PAVEMENT.
8. CONSTRUCT FULL WIDTH RAISED CONCRETE MEDIAN AT BRIDGE JOINT.

MODEL: Default
FILE NAME: D:\125522\hntb\mtr\gennotes.dgn



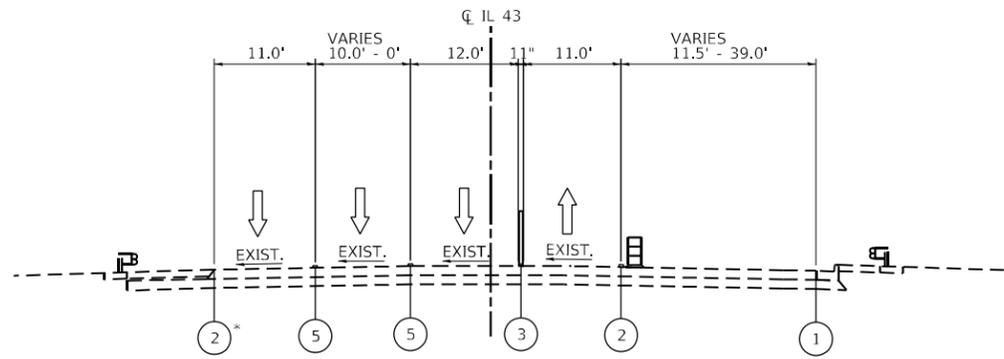
USER NAME = amalla.baymundo	DESIGNED - JSCHAEFER	REVISED -
	DRAWN - JSCHAEFER	REVISED -
PLOT SCALE = 2,000' / in.	CHECKED - HREGAN	REVISED -
PLOT DATE = 8/18/2023	DATE - 08/18/2023	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

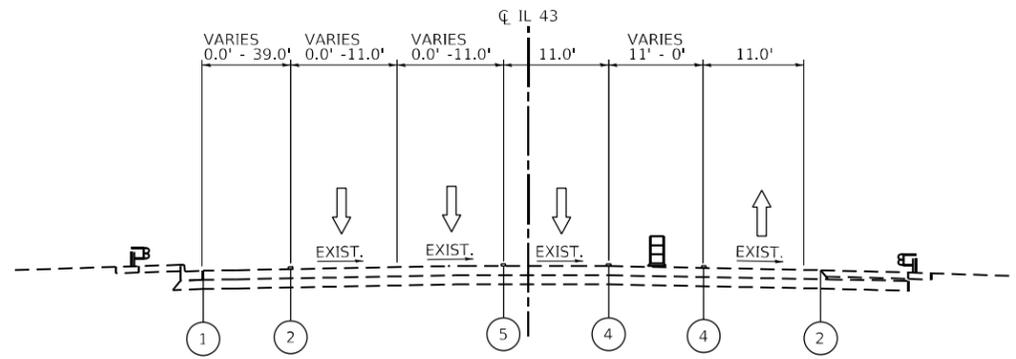
**MAINTENANCE OF TRAFFIC
GENERAL NOTES AND SEQUENCE OF STAGING**

SCALE: SHEET OF SHEETS STA. TO STA.

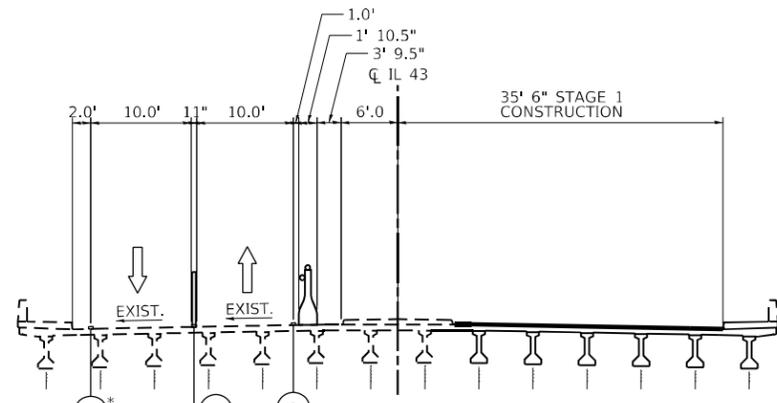
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	FAP 0348 22 BJ	COOK	40	13
CONTRACT NO. 62T18			ILLINOIS FED. AID PROJECT	



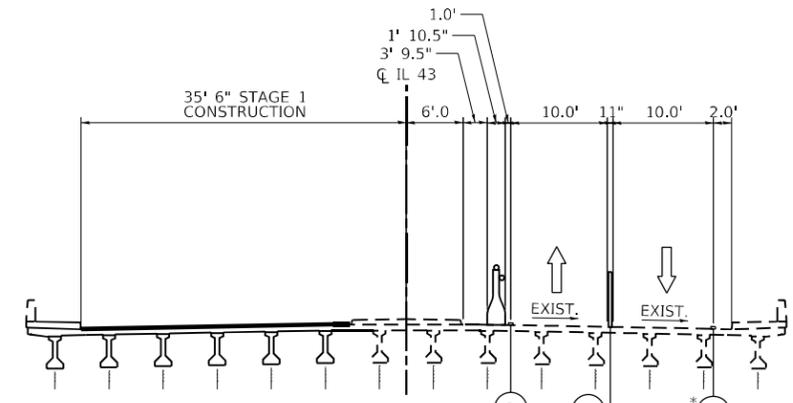
STAGE 1
IL 43 NORTH TAPER
94+00 - 97+00



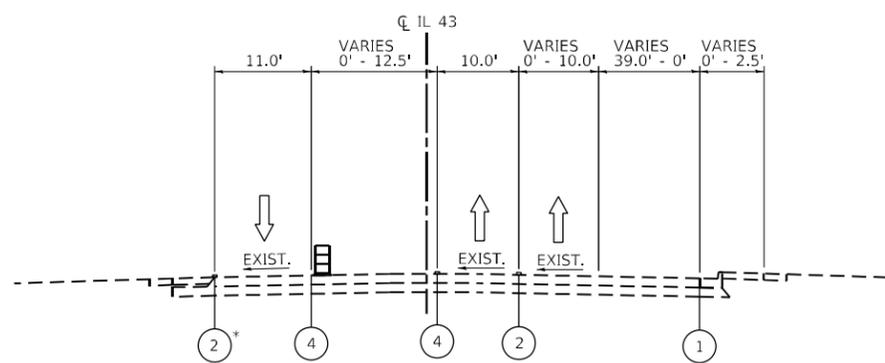
STAGE 2
IL 43 NORTH TAPER
94+00 - 97+00



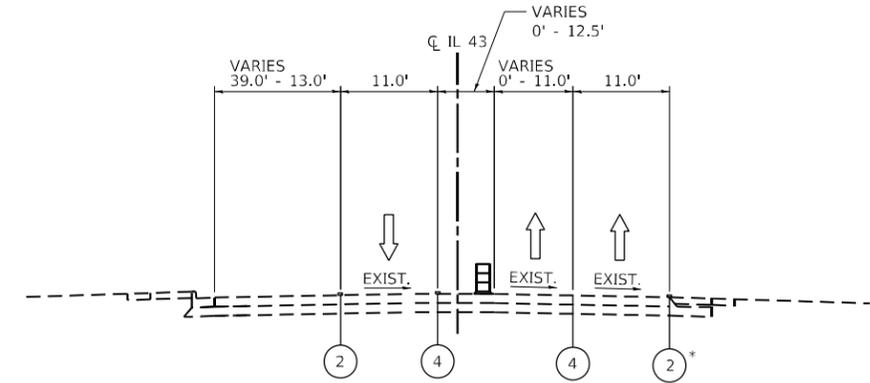
STAGE 1
IL 43 BRIDGE



STAGE 2
IL 43 BRIDGE



STAGE 1
IL 43 SOUTH TAPER
106+00 - 108+50



STAGE 2
IL 43 SOUTH TAPER
106+00 - 108+50

LEGEND

- ① EXISTING PAVEMENT MARKING
- ② TEMPORARY PAVEMENT MARKING, TYPE IV TAPE, 4 INCH (WHITE)
- ③ TEMPORARY PAVEMENT MARKING, LINE 4" - TYPE IV TAPE (DOUBLE YELLOW @ 11" C-C) WITH TUBULAR MARKERS @ 50' C-C
- ④ TEMPORARY PAVEMENT MARKING, TYPE IV TAPE, 4 INCH (YELLOW)
- ⑤ TEMPORARY PAVEMENT MARKING, TYPE IV TAPE, 6 INCH (WHITE)
- TEMPORARY CONCRETE BARRIER WITH DOUBLE SIDED TYPE C REFLECTORS PER STD. 704001 & 782006
- DRUM OR BARRICADE

* TEMPORARY EDGE LINE SHALL MATCH THE LOCATION OF THE EXISTING CURB AND GUTTER EDGE LINE

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

MODEL: D:\p\hntb\... FILE NAME: D:\P\5522-ent\hntb\postbldg.dgn



USER NAME = amalla.baymundo	DESIGNED - BKAMBER	REVISED -
	DRAWN - BKAMBER	REVISED -
PLOT SCALE = 20,0000 * / in.	CHECKED - HREGAN	REVISED -
PLOT DATE = 8/18/2023	DATE - 08/18/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 43 (WAUKEGAN RD) OVER UPRR
MAINTENANCE OF TRAFFIC - IL 43 TYPICAL SECTIONS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	FAP 0348 22 BJ	COOK	40	14
CONTRACT NO. 62T18				
ILLINOIS FED. AID PROJECT				

LEGEND

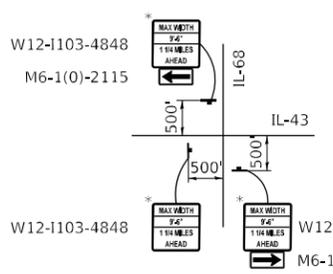
- ➔ DIRECTION OF TRAFFIC
- ▨ WORKZONE
- ⊥ TYPE III BARRICADE WITH FLASHING LIGHTS
- ➔ ARROW BOARD
- DRUM OR TYPE II BARRICADE
- ⊙ (@ 50' C-C TANGENT, @ 20' C-C TAPER, @ 10' C-C CURVE)
- ➔ DIRECTION INDICATOR BARRICADE W/ STEADY BURN LIGHT (@ 20' C-C)

- ① TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE (WHITE)
- ② TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE (DOUBLE YELLOW @ 11' C-C) WITH TUBULAR MARKERS @ 50' C-C
- ③ TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE (YELLOW)
- ④ TEMPORARY PAVEMENT MARKING - LINE 6" - TYPE IV TAPE (WHITE)
- ⑤ TEMPORARY PAVEMENT MARKING - LINE 6" - TYPE IV TAPE (WHITE), 2' DASH-6" SKIP
- ⑥ TEMPORARY PAVEMENT MARKING - LETTERS & SYMBOLS
- ⑦ TEMPORARY CONCRETE BARRIER
- Ⓜ SIGNALIZED INTERSECTION
- Ⓜ TEMPORARY TRAFFIC SIGNAL TIMING REQUIRED

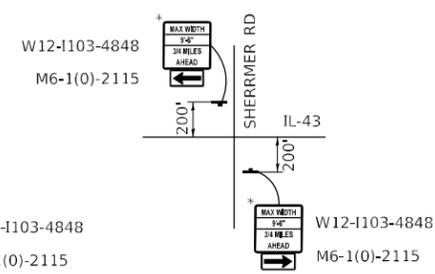
MAINTENANCE OF TRAFFIC SIGNS

TS-01		W20-1103(0)-48 W/ TYPE A FLASHING LIGHT	TS-03		W20-5R(0)-48	TS-06		W1-6(0)-6030 (LEFT OR RIGHT) MOUNTED ABOVE TYPE III BARRICADE	TS-10		W21-1115(0)-3618 R2-1-3648 R10-1108p-3618 R2-1106p-3618	TS-14		TC-26	TS-18		W3-5(0)-48
TS-01a		W20-1103(0)-48 W/ TYPE A FLASHING LIGHT M6-1(0)-2115 (LEFT OR RIGHT)	TS-03a		W20-5L(0)-48	TS-07		W12-1102(0)-48 W/ TYPE A FLASHING LIGHT	TS-11		G20-1103-6036	TS-15		R3-8-4830	TS-19		R3-1100L-2424 M6-2L-2115
TS-02		W1-4R(0)-48	TS-04		W12-1102(0)-48 W/ TYPE A FLASHING LIGHT M6-1(0)-2115 (LEFT OR RIGHT)	TS-08		W4-2R(0)-48	TS-12	INTENTIONALLY BLANK		TS-16		R3-8-4830	TS-20		R3-5-2430 R4-7A-2430 (BACK TO BACK)
TS-02a		W1-4L(0)-48	TS-05		W6-3(0)-48	TS-09		W4-2L(0)-48	TS-13		W3-4-3636 W16-9P-2412	TS-17		R3-5(R) OR R3-5(L)-2430			

REDUCED WIDTH WARNING - IL 43 AND IL 68



REDUCED WIDTH WARNING - IL 43 AND IL SHERMER RD

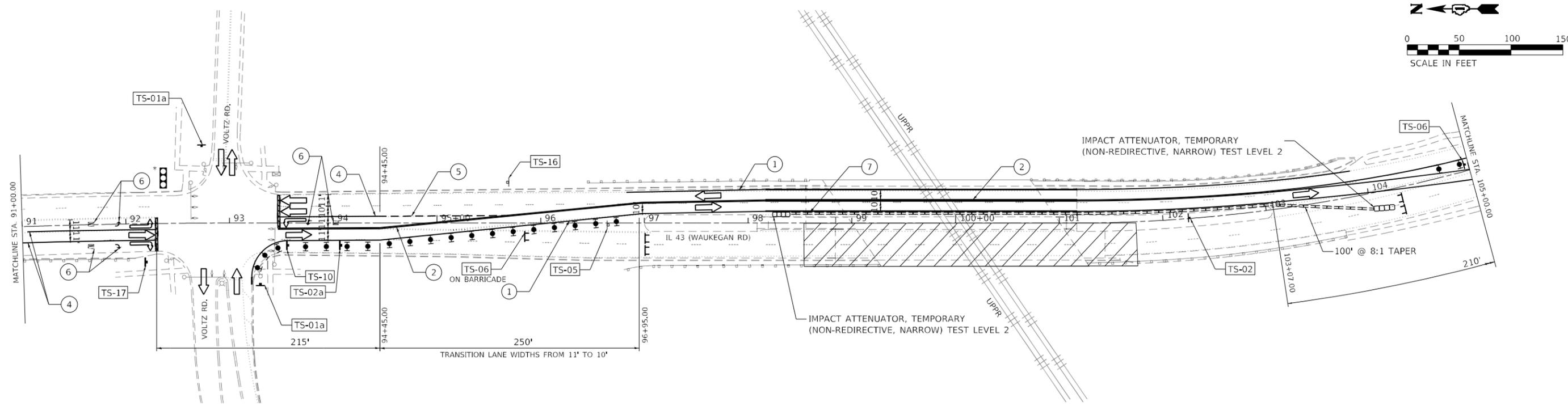
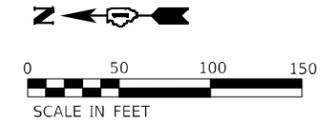
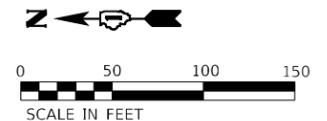
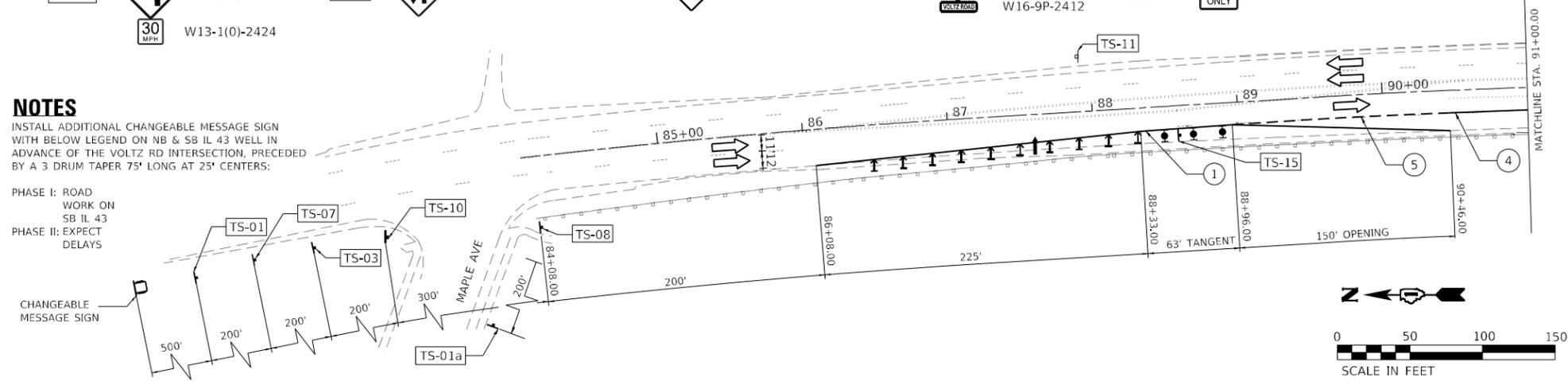


* MAX WIDTH SIGNS SHALL REMAIN INSTALLED UNTIL THE COMPLETION OF STAGE 2

NOTES

INSTALL ADDITIONAL CHANGEABLE MESSAGE SIGN WITH BELOW LEGEND ON NB & SB IL 43 WELL IN ADVANCE OF THE VOLTZ RD INTERSECTION, PRECEDED BY A 3 DRUM TAPER 75' LONG AT 25' CENTERS:

- PHASE I: ROAD WORK ON SB IL 43
- PHASE II: EXPECT DELAYS



MODEL SHEET
FILE NAME: D0125522-ent-Staging_01



USER NAME = amalla.baymundo	DESIGNED - BKAMBER	REVISED -
DRAWN - BKAMBER	REVISED -	
PLOT SCALE = 100,0000' / in.	CHECKED - HREGAN	REVISED -
PLOT DATE = 8/18/2023	DATE - 08/18/2023	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 43 (WAUKEGAN RD) OVER UPRR
PROPOSED STAGE 1 PLAN**

SCALE: 1" = 50' SHEET 1 OF 2 SHEETS STA. 84+05 TO STA. 105+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	FAP 0348 22 BJ	COOK	40	15
CONTRACT NO. 62T18				
ILLINOIS FED. AID PROJECT				

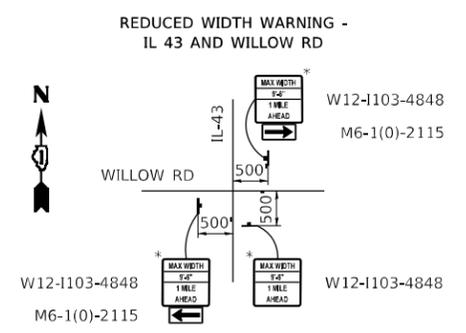
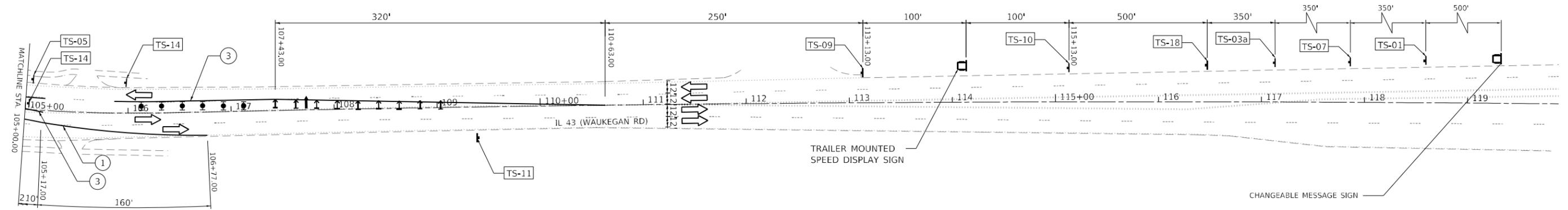
LEGEND

- ➔ DIRECTION OF TRAFFIC
- ▨ WORKZONE
- ⊥ TYPE III BARRICADE WITH FLASHING LIGHTS
- ➔ ARROW BOARD
- ⊙ DRUM OR TYPE II BARRICADE
- ⊙ (@ 50' C-C TANGENT, @ 20' C-C TAPER, @ 10' C-C CURVE)
- ➔ DIRECTION INDICATOR BARRICADE W/ STEADY BURN LIGHT (@ 20' C-C)

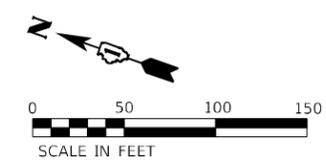
- ① TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE (WHITE)
- ② TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE (DOUBLE YELLOW @ 11 C-C) WITH TUBULAR MARKERS @ 50' C-C
- ③ TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE (YELLOW)
- ④ TEMPORARY PAVEMENT MARKING - LINE 6" - TYPE IV TAPE (WHITE)
- ⑤ TEMPORARY PAVEMENT MARKING - LINE 6" - TYPE IV TAPE (WHITE), 2" DASH-6" SKIP
- ⑥ TEMPORARY PAVEMENT MARKING - LETTERS & SYMBOLS
- ⑦ TEMPORARY CONCRETE BARRIER
- ⊙ SIGNALIZED INTERSECTION
*TEMPORARY TRAFFIC SIGNAL TIMING REQUIRED

MAINTENANCE OF TRAFFIC SIGNS

TS-01		W20-1103(0)-48 W/ TYPE A FLASHING LIGHT	TS-03		W20-5R(0)-48	TS-06		W1-6(0)-6030 (LEFT OR RIGHT) MOUNTED ABOVE TYPE III BARRICADE	TS-10		W21-1115(0)-3618 R2-1-3648 R10-1108p-3618 R2-1106p-3618	TS-14		TC-26	TS-18		W3-5(0)-48
TS-01a		W20-1103(0)-48 W/ TYPE A FLASHING LIGHT M6-1(0)-2115 (LEFT OR RIGHT)	TS-03a		W20-5L(0)-48	TS-07		W12-1102(0)-48 W/ TYPE A FLASHING LIGHT	TS-11		G20-1103-6036	TS-15		R3-8-4830	TS-19		R3-1100L-2424 M6-2L-2115
TS-02		W1-4R(0)-48	TS-04		W12-1102(0)-48 W/ TYPE A FLASHING LIGHT M6-1(0)-2115 (LEFT OR RIGHT)	TS-08		W4-2R(0)-48	TS-12	INTENTIONALLY BLANK		TS-16		R3-8-4830	TS-20		R3-5-2430 R4-7A-2430 (BACK TO BACK)
TS-02a		W1-4L(0)-48 W13-1(0)-2424	TS-05		W6-3(0)-48	TS-09		W4-2L(0)-48	TS-13		W3-4-3636 W16-9P-2412	TS-17		R3-5(R) OR R3-5(L)-2430			



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



MODEL SHEET
FILE NAME: D0125522-ent-Stage01_02



USER NAME = amalla.baymundo	DESIGNED - BKAMBER	REVISED -
DRAWN - BKAMBER	REVISOR -	
PLOT SCALE = 100,0000' / in.	CHECKED - HREGAN	REVISOR -
PLOT DATE = 8/18/2023	DATE - 08/18/2023	REVISOR -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 43 (WAUKEGAN RD) OVER UPRR
PROPOSED STAGE 1 PLAN**

SCALE: 1" = 50' SHEET 2 OF 2 SHEETS STA. 105+00 TO STA. 119+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	FAP 0348 22 BJ	COOK	40	16
CONTRACT NO. 62T18				
ILLINOIS FED. AID PROJECT				

LEGEND

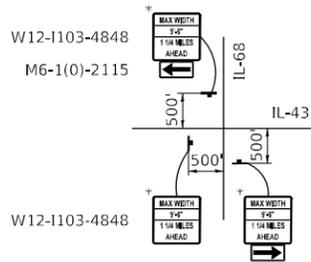
- ➔ DIRECTION OF TRAFFIC
- ▨ WORKZONE
- ⊥ TYPE III BARRICADE WITH FLASHING LIGHTS
- ➔ ARROW BOARD
- ⊙ DRUM OR TYPE II BARRICADE
- ⊙ (@ 50' C-C TANGENT, @ 20' C-C TAPER, @ 10' C-C CURVE)
- ➔ DIRECTION INDICATOR BARRICADE W/ STEADY BURN LIGHT (@ 20' C-C)

- ① TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE (WHITE)
- ② TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE (DOUBLE YELLOW @ 11 C-C) WITH TUBULAR MARKERS @ 50' C-C
- ③ TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE (YELLOW)
- ④ TEMPORARY PAVEMENT MARKING - LINE 6" - TYPE IV TAPE (WHITE)
- ⑤ TEMPORARY PAVEMENT MARKING - LINE 6" - TYPE IV TAPE (WHITE), 2" DASH-6" SKIP
- ⑥ TEMPORARY PAVEMENT MARKING - LETTERS & SYMBOLS
- ⑦ TEMPORARY CONCRETE BARRIER
- ⊙ SIGNALIZED INTERSECTION *TEMPORARY TRAFFIC SIGNAL TIMING REQUIRED

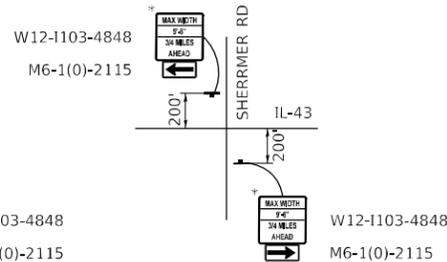
MAINTENANCE OF TRAFFIC SIGNS

TS-01		W20-1103(0)-48 W/ TYPE A FLASHING LIGHT	TS-03		W20-5R(0)-48	TS-06		W1-6(0)-6030 (LEFT OR RIGHT) MOUNTED ABOVE TYPE III BARRICADE	TS-10		W21-1115(0)-3618 R2-1-3648 R10-1108p-3618 R2-1106p-3618	TS-14		TC-26	TS-18		W3-5(0)-48
TS-01a		W20-1103(0)-48 W/ TYPE A FLASHING LIGHT M6-1(0)-2115 (LEFT OR RIGHT)	TS-03a		W20-5L(0)-48	TS-07		W12-1102(0)-48 W/ TYPE A FLASHING LIGHT	TS-11		G20-1103-6036	TS-15		R3-8-4830	TS-19		R3-1100L-2424 M6-2L-2115
TS-02		W1-4R(0)-48	TS-04		W12-1102(0)-48 W/ TYPE A FLASHING LIGHT M6-1(0)-2115 (LEFT OR RIGHT)	TS-08		W4-2R(0)-48	TS-12		INTENTIONALLY BLANK	TS-16		R3-8-4830	TS-20		R3-5-2430 R4-7A-2430 (BACK TO BACK)
TS-02a		W1-4L(0)-48	TS-05		W6-3(0)-48	TS-09		W4-2L(0)-48	TS-13		W3-4-3636 W16-9P-2412	TS-17		R3-5(R) OR R3-5(L)-2430			

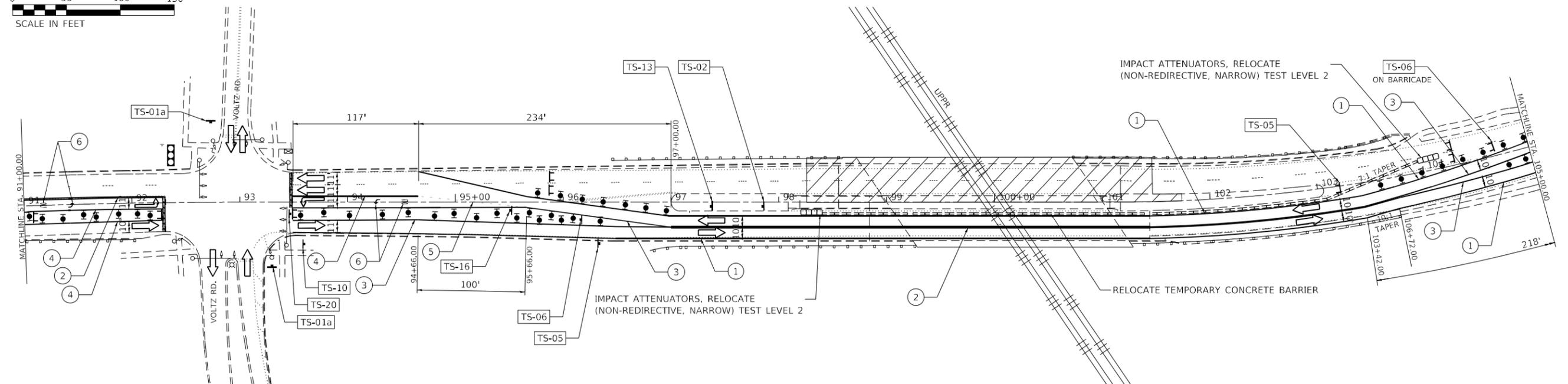
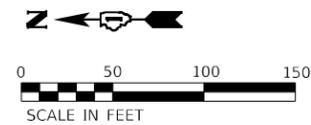
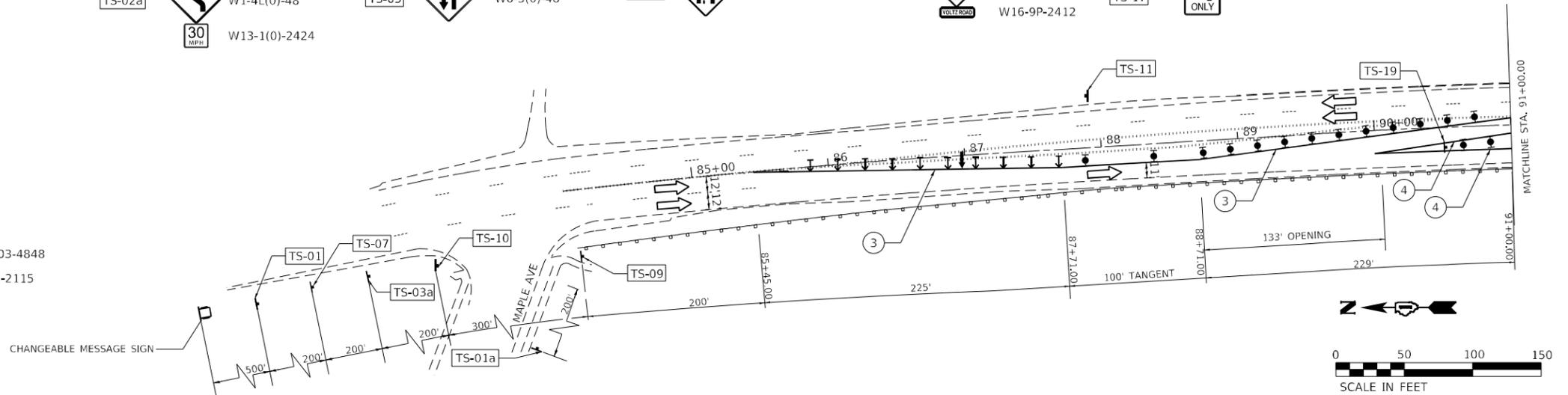
REDUCED WIDTH WARNING - IL 43 AND IL 68



REDUCED WIDTH WARNING - IL 43 AND IL SHERMER RD



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



MODEL SHEET
FILE NAME: D0125522-ent-Staging2_01



USER NAME = amalla,baymundo	DESIGNED - AMB	REVISED -
DRAWN - AMB	REVISIONS -	
PLOT SCALE = 100,0000' / in.	CHECKED - DB	REVISED -
PLOT DATE = 8/18/2023	DATE - 08/18/2023	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 43 (WAUKEGAN RD) OVER UPRR
PROPOSED STAGE 2 PLAN**

SCALE: 1"=50' SHEET 1 OF 2 SHEETS STA. 84+05 TO STA. 105+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	FAP 0348 22 BJ	COOK	40	17
CONTRACT NO. 62T18				
ILLINOIS FED. AID PROJECT				

LEGEND

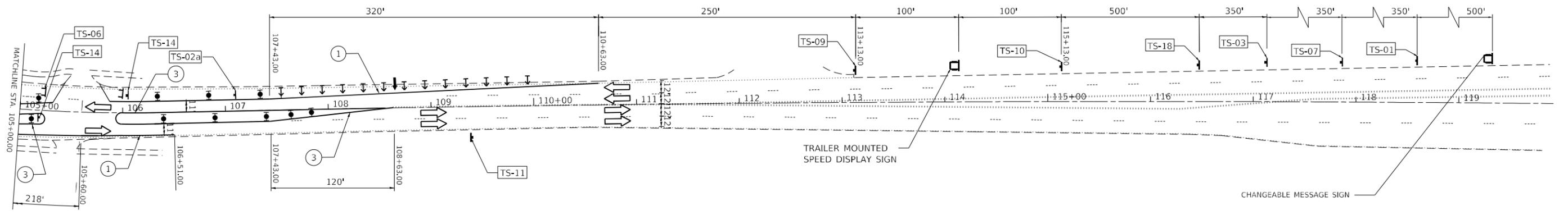
- ➔ DIRECTION OF TRAFFIC
- ▨ WORKZONE
- ⊥ TYPE III BARRICADE WITH FLASHING LIGHTS
- ➔ ARROW BOARD
- ⊥ DRUM OR TYPE II BARRICADE
- ⊥ (@ 50' C-C TANGENT, @ 20' C-C TAPER, @ 10' C-C CURVE)
- ➔ DIRECTION INDICATOR BARRICADE W/ STEADY BURN LIGHT (@ 20' C-C)



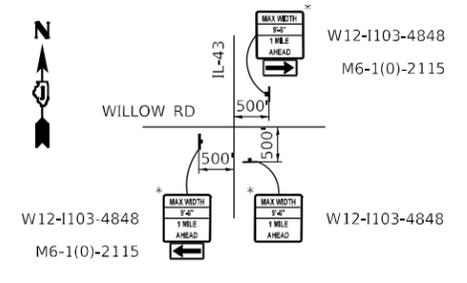
- ① TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE (WHITE)
- ② TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE (DOUBLE YELLOW @ 11 C-C) WITH TUBULAR MARKERS @ 50' C-C
- ③ TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE (YELLOW)
- ④ TEMPORARY PAVEMENT MARKING - LINE 6" - TYPE IV TAPE (WHITE)
- ⑤ TEMPORARY PAVEMENT MARKING - LINE 6" - TYPE IV TAPE (WHITE), 2' DASH-6' SKIP
- ⑥ TEMPORARY PAVEMENT MARKING - LETTERS & SYMBOLS
- ⑦ TEMPORARY CONCRETE BARRIER
- ⊥ SIGNALIZED INTERSECTION *TEMPORARY TRAFFIC SIGNAL TIMING REQUIRED

MAINTENANCE OF TRAFFIC SIGNS

TS-01		W20-1103(0)-48 W/ TYPE A FLASHING LIGHT	TS-03		W20-5R(0)-48	TS-06		W1-6(0)-6030 (LEFT OR RIGHT) MOUNTED ABOVE TYPE III BARRICADE	TS-10		W21-1115(0)-3618 R2-1-3648 R10-1108p-3618 R2-1106p-3618	TS-14		TC-26	TS-18		W3-5(0)-48
TS-01a		W20-1103(0)-48 W/ TYPE A FLASHING LIGHT M6-1(0)-2115 (LEFT OR RIGHT)	TS-03a		W20-5L(0)-48	TS-07		W12-1102(0)-48 W/ TYPE A FLASHING LIGHT	TS-11		G20-1103-6036	TS-15		R3-8-4830	TS-19		R3-1100L-2424 M6-2L-2115
TS-02		W1-4R(0)-48	TS-04		W12-1102(0)-48 W/ TYPE A FLASHING LIGHT M6-1(0)-2115 (LEFT OR RIGHT)	TS-08		W4-2R(0)-48	TS-12	INTENTIONALLY BLANK		TS-16		R3-8-4830	TS-20		R3-5-2430 R4-7A-2430 (BACK TO BACK)
TS-02a		W1-4L(0)-48	TS-05		W6-3(0)-48	TS-09		W4-2L(0)-48	TS-13		W3-4-3636 W16-9P-2412	TS-17		R3-5(R) OR R3-5(L)-2430			



REDUCED WIDTH WARNING - IL 43 AND WILLOW RD



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

MODEL SHEET
FILE NAME: D0125522-ent-Stage02_02



USER NAME = amalla,baymundo	DESIGNED - AMB	REVISED -
DRAWN - AMB	REVISIONS -	
PLOT SCALE = 100,0000' / in.	CHECKED - DB	REVISIONS -
PLOT DATE = 8/18/2023	DATE - 08/18/2023	REVISIONS -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 43 (WAUKEGAN RD) OVER UPRR
PROPOSED STAGE 2 PLAN**

SCALE: 1"=50' SHEET 2 OF 2 SHEETS STA. 105+00 TO STA. 119+00

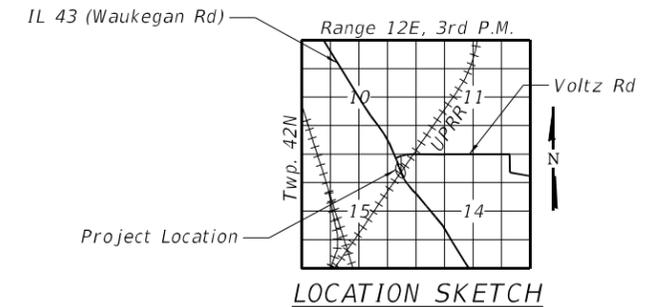
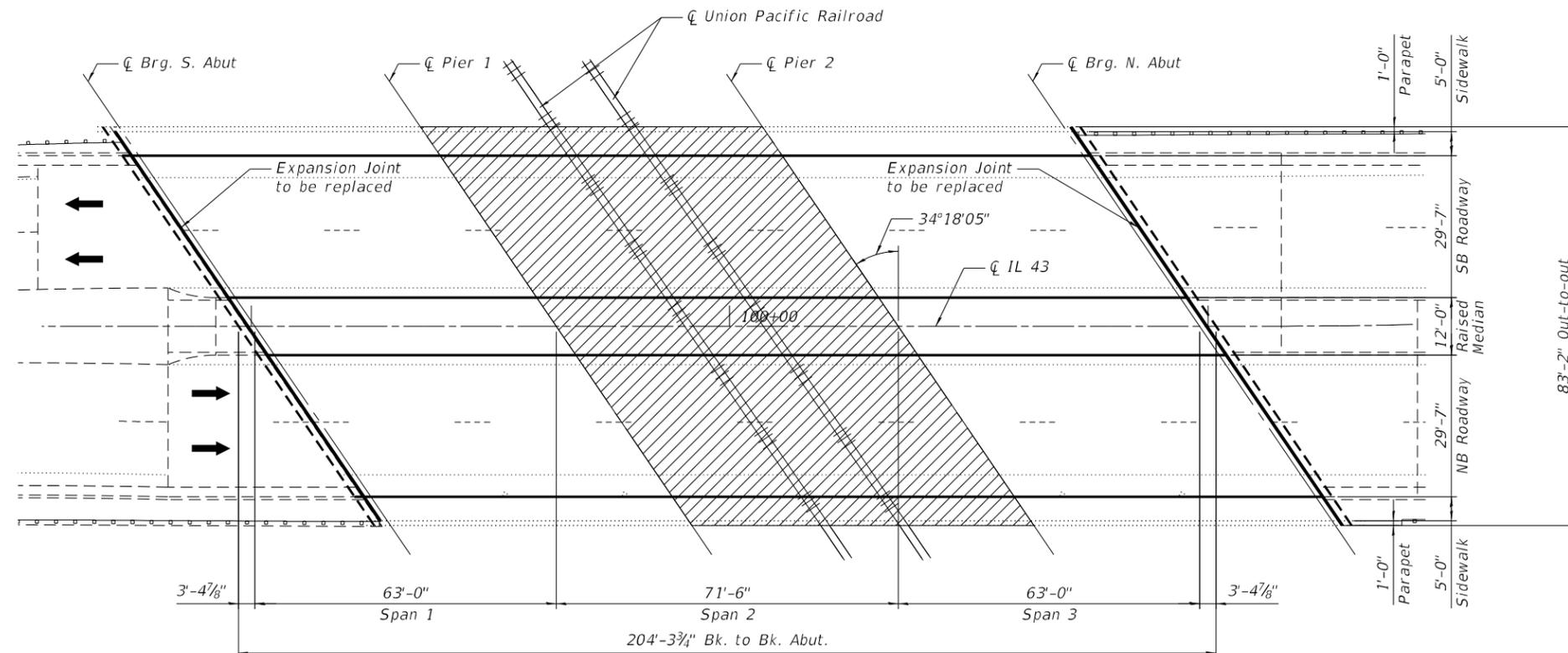
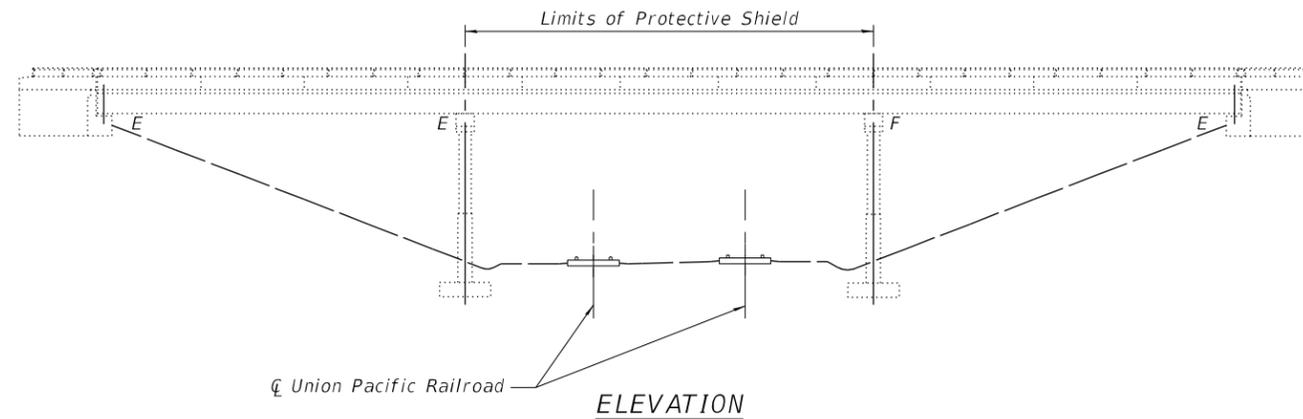
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	FAP 0348 22 BJ	COOK	40	18
CONTRACT NO. 62118				
ILLINOIS FED. AID PROJECT				

Benchmark: Square cut in SW. corner of traffic control box of Route 43 and Walters Ave. Elev. = 651.66.

Existing Structure: The existing three span continuous prestress structure number 016-2598 was built in 1993 carrying IL Route 43 (Waukegan Rd) over the Union Pacific Railroad and is located in Northbrook, Cook County. The out to out width of the structure is 83'-2" and back to back of abutments is 203'-3 3/4" The present width accomodates four lanes (one 12-foot lane, one 11-foot lane, each direction), with 4'-7" shoulders and 5-foot sidewalks on both sides.

One lane of traffic in each direction shall be maintained at all times using staged construction.

No Salvage



DESIGN SPECIFICATIONS
2020 AASHTO LRFD Bridge Design Specifications, 9th Edition

DESIGN STRESSES

$f'_c = 4,000 \text{ psi}$
 $f_y = 60,000 \text{ psi}$

SCOPE OF WORK

1. Repair and Overlay bridge deck.
2. Reconstruct the expansion joints at each abutment.
3. Repair parapets and railings.
4. Repaint Bearings.
5. Repair substructure elements.

LEGEND

Limits of Protective Shield

PLAN

GENERAL PLAN AND ELEVATION
F.A.P. RT. 348 (IL 43)
WAUKEGAN ROAD OVER UPRR
SECTION FAP 0348 22 BJ
COOK COUNTY
STATION 100+00
STRUCTURE NO. 016-2598

10/05/2023
Ralph Otrembiak, PE, SE Date
Licensed Structural Engineer
State of Illinois 081-004812
Expires 11/30/2024



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN AND ELEVATION
STRUCTURE NO. 016-2598

SHEET 1 OF 13 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	FAP 0348 22 BJ	COOK	40	19
CONTRACT NO. 62T18				

ILLINOIS FED. AID PROJECT

MODEL: Default
FILE NAME: D9125522-sh1-016-2598-01-BridgeGPE



USER NAME =	DESIGNED - JJM	REVISED -
	CHECKED - LM	REVISED -
PLOT SCALE =	DRAWN - JJM	REVISED -
PLOT DATE =	CHECKED - LM	REVISED -

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GENERAL NOTES

1. Reinforcement bars designated (E) shall be epoxy coated.
2. Plan dimensions and details relative to existing structure have been taken from 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 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.
3. Cleaning and painting of the existing structural steel shall be as specified in the special provision for "Cleaning and Painting Bearings". All bearings at Pier 1 and each Abutment shall be cleaned per Near White Blast Cleaning - SSPC- SP10.

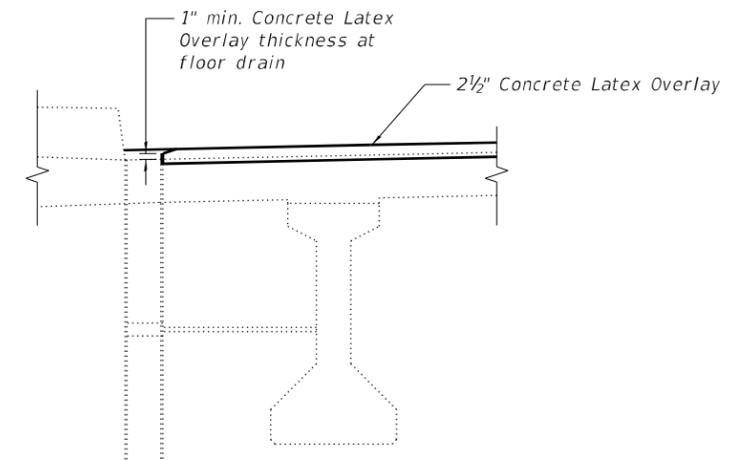
The designated areas cleaned per Near White Blast Cleaning shall be painted according to the requirements of Organic Zinc-Rich Primer/Epoxy Intermediate Coat/Urethane Topcoat (OZ/E/U). The color of the final finish coat for all steel surfaces shall be Gray, Munsell No 5B 7/1.
4. Containment of cleaning residue is required to control nuisance dust. See special provisions.
5. Concrete Sealer shall be applied to each abutment backwall. All surfaces to be sealed shall be cleaned thoroughly prior to sealer application.
6. 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 operation as directed by the Engineer at no additional cost to the Department.
7. Protective Coat shall be applied to the reconstructed top and inside face of the bridge parapets, sidewalks, median, joint, and new concrete overlay areas, per Section 503.19 of the Standard Specifications.
8. 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.
9. Graffiti Removal area is estimated based on an inspection conducted by IDOT. Actual areas and locations shall be determined in the field by the Engineer and noted in the As-Built Plans.

INDEX OF SHEETS

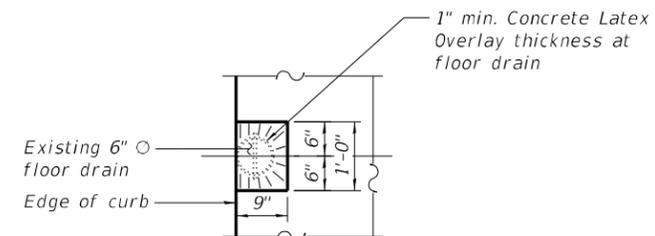
1. General Plan and Elevation
2. General Data
3. Construction Staging
4. Temporary Concrete Barrier
5. Deck Repair and Overlay Plan
- 6-8. Abutment Expansion Joint Replacement
- 9-11. Prefomed Joint Strip Seal - Sidewalk
12. Substructure Repair Plan and Details
13. Bar Splicer Assembly and Mechanical Splicer Details

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Concrete Removal	Cu Yd	21.8		21.8
Protective Shield	Sq Yd	661		661
Concrete Superstructure	Cu Yd	23.2		23.2
Bridge Deck Grooving	Sq Yd	1,335		1,335
Protective Coat	Sq Yd	1,356		1,356
Reinforcement Bars, Epoxy Coated	Pound	2,510		2,510
Bar Splicers	Each	12		12
Prefomed Joint Strip Seal	Foot	202		202
Concrete Sealer	Sq Ft		40	40
Epoxy Crack Injection	Foot		78	78
Graffiti Removal	Sq Yd	10,500		10,500
Cleaning And Painting Bearings	Each		56	56
Bridge Deck Latex Concrete Overlay, 2 1/2 Inches	Sq Yd	1,301		1,301
Bridge Deck Scarification 3/4"	Sq Yd	1,301		1,301
Structural Repair Of Concrete (Depth Equal To Or Less Than 5 Inches)	Sq Ft	88	34	122
Structural Repair Of Concrete (Depth Greater Than 5 Inches)	Sq Ft	15	6	21
Deck Slab Repair (Full Depth, Type I)	Sq Yd	2		2



OVERLAY AT DRAIN DETAIL



OVERLAY TREATMENT AT DRAINS

(4 drains total)
Cost included with Bridge Deck Concrete Latex Overlay.

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FILE NAME: D9125522-shr-016-2598-02-GeneralData



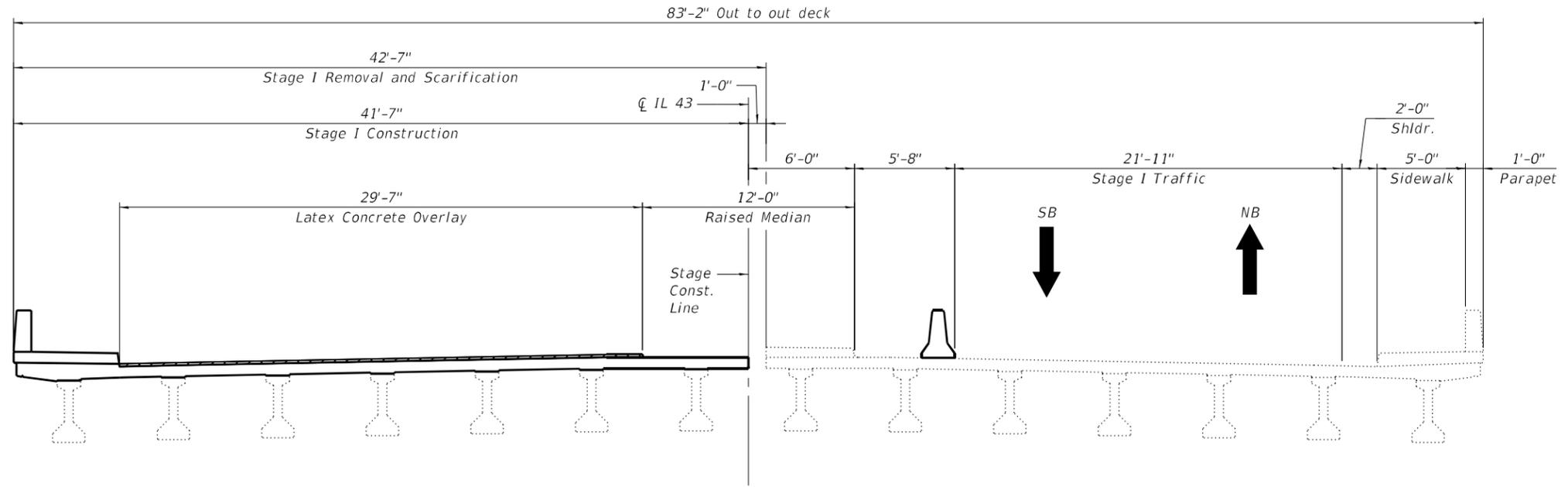
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PLOT SCALE =	DRAWN - JJM	REVISED -
PLOT DATE =	CHECKED - LM	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

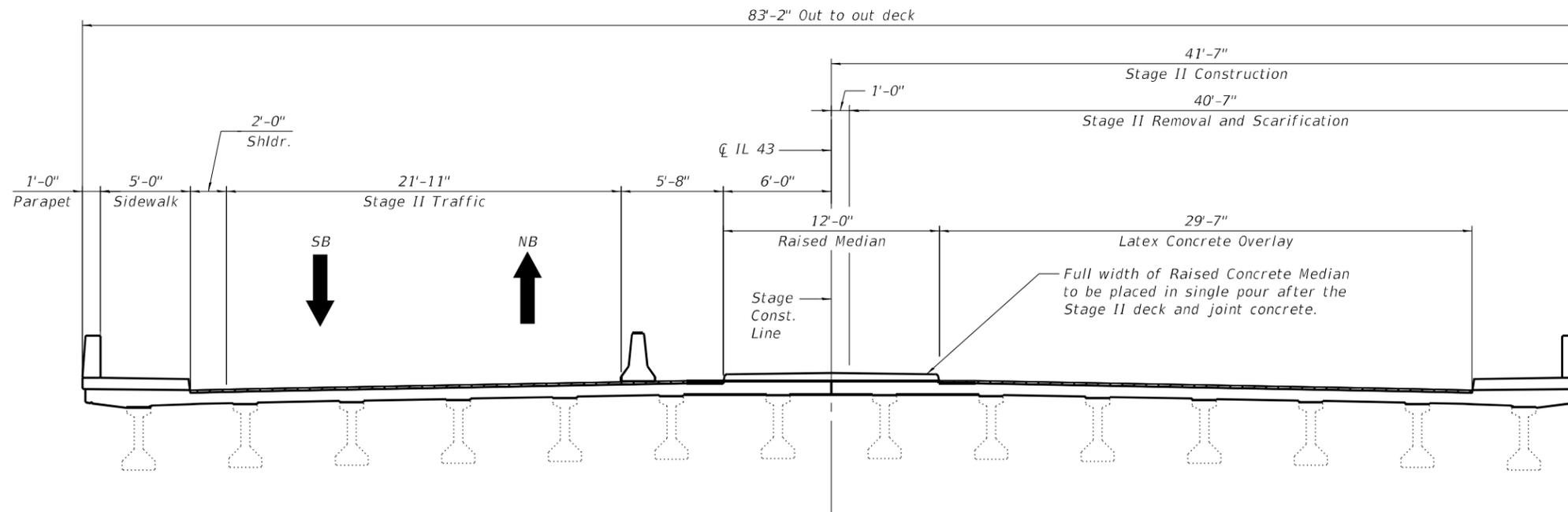
**GENERAL DATA
STRUCTURE NO. 016-2598**

SHEET 2 OF 13 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	FAP 0348 22 BJ	COOK	40	20
CONTRACT NO. 62T18				
ILLINOIS		FED. AID PROJECT		



STAGE I
(Looking North)



STAGE II
(Looking North)

MODEL: Default
FILE NAME: DS125522-sh1-016-2598-03-StageConstruction



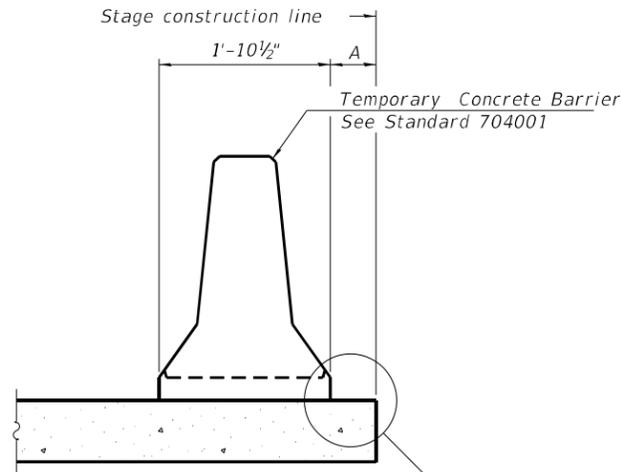
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	CHECKED - LM	REVISED -
PLOT SCALE =	DRAWN - JJM	REVISED -
PLOT DATE =	CHECKED - LM	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CONSTRUCTION STAGING
STRUCTURE NO. 016-2598**

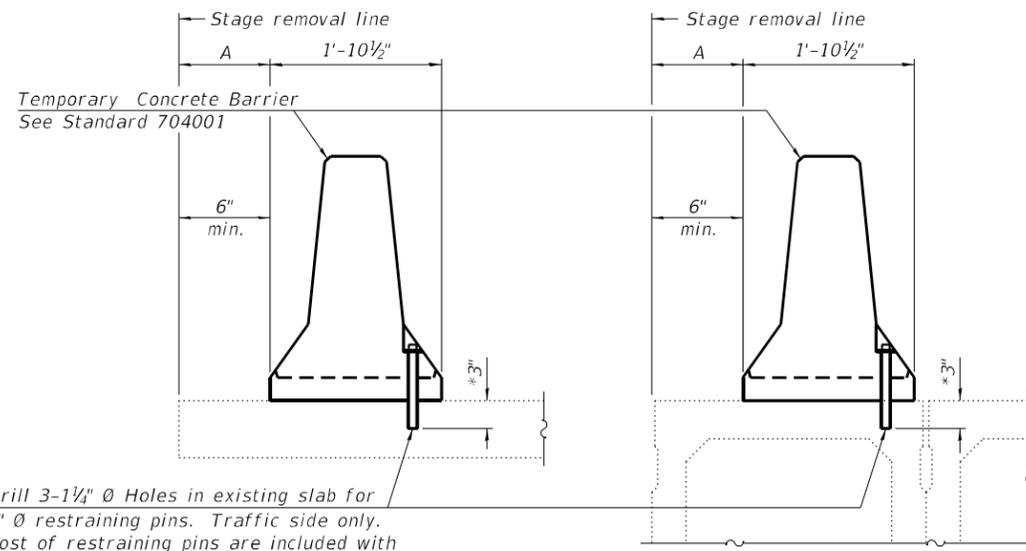
SHEET 3 OF 13 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	FAP 0348 22 BJ	COOK	40	21
CONTRACT NO. 62T18				
ILLINOIS FED. AID PROJECT				



When "A" is 3'-1" or less, the temporary concrete barrier shall be restrained to the new slab according to Detail I, II or III. No restraint is required when "A" is greater than 3'-1". See Detail I, II or III

NEW SLAB OR NEW DECK BEAM



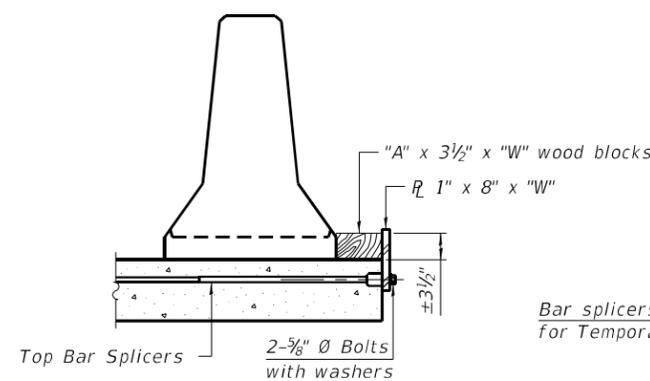
Drill 3-1/4" Ø Holes in existing slab for 1" Ø restraining pins. Traffic side only. Cost of restraining pins are included with Temporary Concrete Barrier. No restraint is required when "A" is greater than 3'-1".

EXISTING SLAB

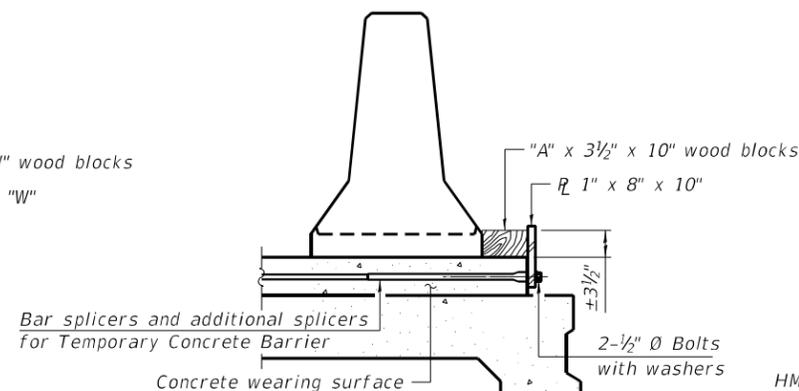
*When hot-mix asphalt wearing surface is present, embedment shall be 3" plus the wearing surface depth.

EXISTING DECK BEAM

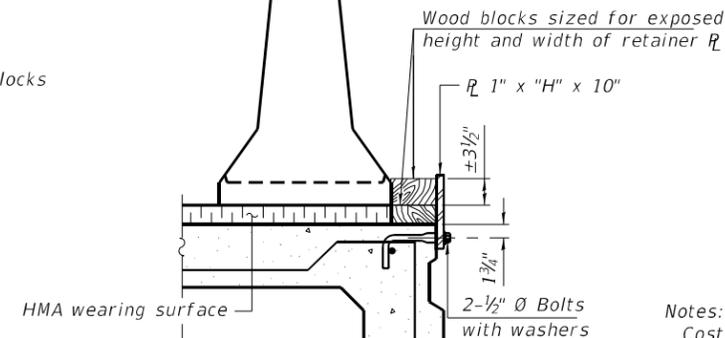
SECTIONS THRU SLAB OR DECK BEAM



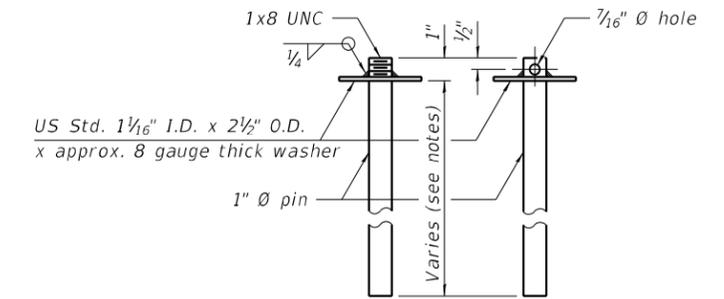
DETAIL I



DETAIL II



DETAIL III

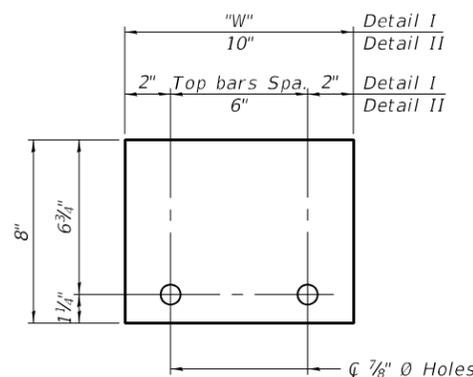


RESTRAINING PIN

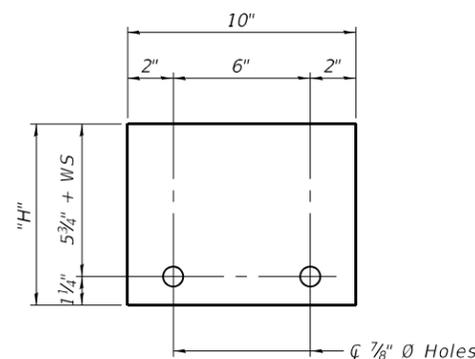
BAR SPLICER FOR #4 BAR - DETAIL III

Notes:
 Cost of retainer assembly is included with Temporary Concrete Barrier.
 A retainer assembly shall be located at the approximate □ of each temporary concrete barrier.
 The retainer plate shall not be removed until the concrete on the adjacent stage is ready to be poured. For Detail III applications the retainer plate shall not be removed until just prior to placing the adjacent beam.
 When the 'A' dimension is less than 1 1/2', the wood block shall be omitted and the barrier shall be placed in direct contact with the steel retainer plate. For deck beam applications the minimum required 'A' distance is 6" to accommodate the shear key clamping device.

Detail I - Installation for a new bridge deck or bridge slab.
 Detail II - Installation for a new deck beam with an initial concrete wearing surface. Additional bar splicers shall be provided at 6'-0" centers and paired with the bar splicers of the concrete wearing surface reinforcement to accommodate the installation of the retainer assemblies. The cost of the additional bar splicers is included with the concrete wearing surface.
 Detail III - Installation for a new deck beam with no initial wearing surface or with an initial hot-mix asphalt (HMA) wearing surface present. The deck beam directly beneath the temporary concrete barrier shall be fabricated with bar splicer inserts in the side of the beam, as detailed, to accommodate the installation of the retainer assemblies. A pair of bar splicers, 6" apart, shall be placed at 6'-0" centers along the length of the beam. The cost of the bar splicers is included with the deck beam.



STEEL RETAINER R 1" x 8" x "W" (Detail I and II)



STEEL RETAINER R 1" x "H" x 10" (Detail III)

RAILING CRITERIA

NCHRP 350 Test Level	3
Railing Weight (plf)	440

R-27 5-15-2023

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY CONCRETE BARRIER
STRUCTURE NO. 016-2598

SHEET 4 OF 13 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	FAP 0348 22 BJ	COOK	40	22
CONTRACT NO. 62T18				

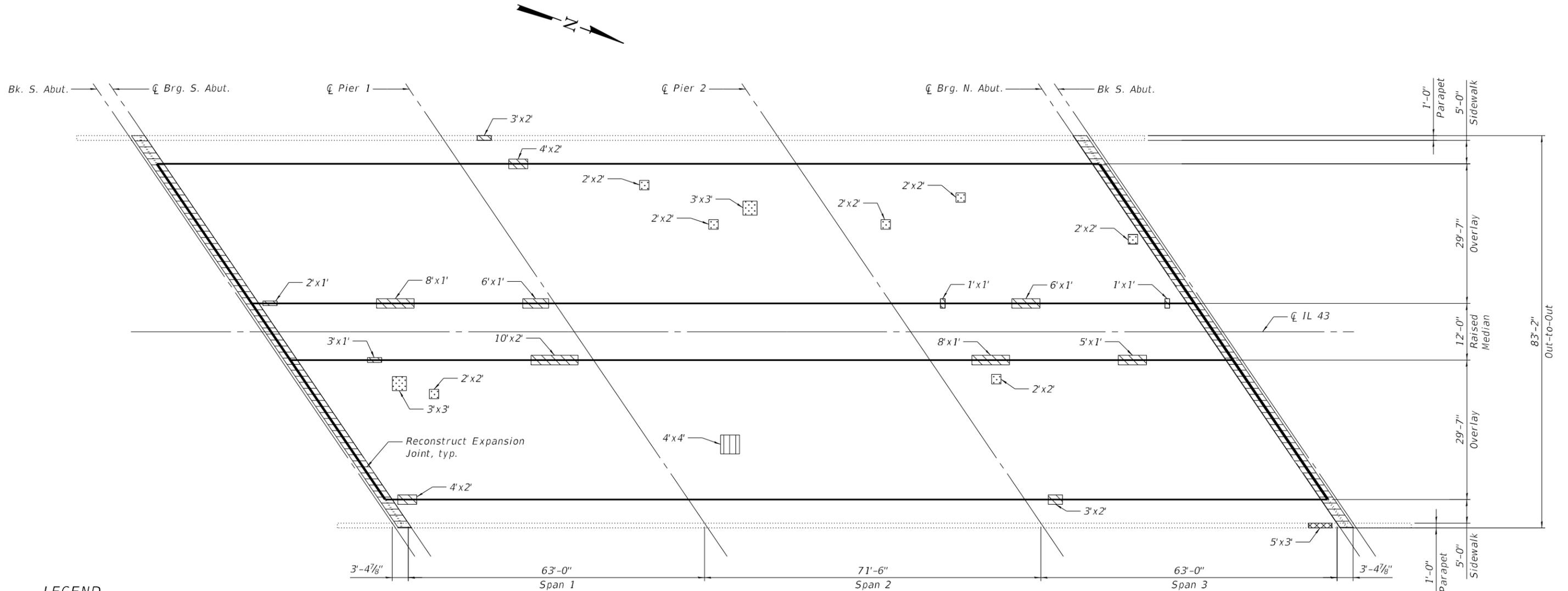
ILLINOIS FED. AID PROJECT

NOTES

- Deck slab repair area are estimated based on an inspection conducted by IDOT and a visual inspection conducted in April 2023. Actual repair areas and locations shall be determined in the field by the Engineer and noted in the As-Built Plans.
- Areas of Partial Depth Deck Repair will not be measured for payment and shall be included with the cost of Bridge Deck Scarification $\frac{3}{4}$.
- For Details on Expansion Joint Removal and Replacement, see sheet 6, 7 and 8 of 13.

BILL OF MATERIAL

Item	Unit	Total
Bridge Deck Latex Concrete Overlay, 2 1/2" Inches	Sq Yd	1,301
Bridge Deck Scarification 3/4"	Sq Yd	1,301
Structural Repair of Concrete (Depth Equal To Or Less Than 5 Inches)	Sq Ft	88
Structural Repair Of Concrete (Depth Greater Than 5 Inches)	Sq Ft	15
Deck Slab Repair (Full Depth, Type I)	Sq Yd	2



LEGEND

- Expansion Joint Reconstruction
- Deck Slab Repair (Partial Depth) (For Information Only)
- Deck Slab Repair (Full Depth)
- Structural Repair of Concrete <5"
- Structural Repair of Concrete >5"

PLAN

MODEL: Default
FILE NAME: D9125522-sh1-016-2598-05-DeckRepairPlan



USER NAME =	DESIGNED - JJM	REVISED -
	CHECKED - LM	REVISED -
PLOT SCALE =	DRAWN - JJM	REVISED -
PLOT DATE =	CHECKED - LM	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DECK REPAIR AND OVERLAY PLAN
STRUCTURE NO. 016-2598**

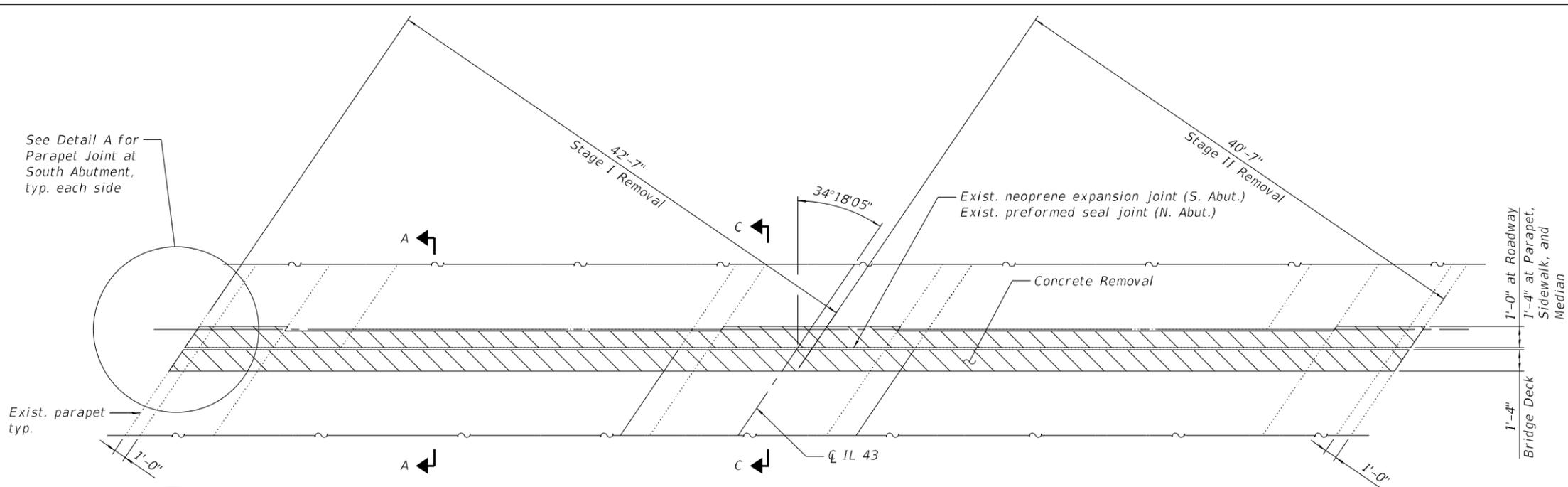
SHEET 5 OF 13 SHEETS

F.A.P. RTE. 348	SECTION FAP 0348 22 BJ	COUNTY COOK	TOTAL SHEETS 40	SHEET NO. 23
CONTRACT NO. 62T18				
ILLINOIS FED. AID PROJECT				

BILL OF MATERIAL

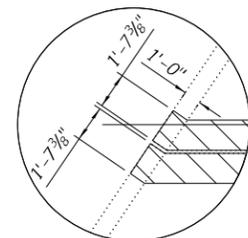
Bar	No.	Size	Length	Shape
a(E)	16	#7	27'-7"	—
c(E)	16	#5	2'-3"	┌
c1(E)	8	#5	13'-6"	—
c2(E)	16	#5	6'-7"	—
c3(E)	16	#5	2'-5"	┌
d(E)	8	#4	5'-5"	┌
d1(E)	8	#6	4'-4"	┌
d2(E)	16	#4	2'-1"	┌
h(E)	16	#6	49'-11"	—
Item	Unit	Total		
Concrete Removal	Cu Yd	21.8		
Concrete Superstructure	Cu Yd	23.2		
Reinforcement Bars, Epoxy Coated	Pound	2,510		

Bars indicated thus 1 x 2-#4 etc. indicates 1 line of bars with 2 lengths per line.

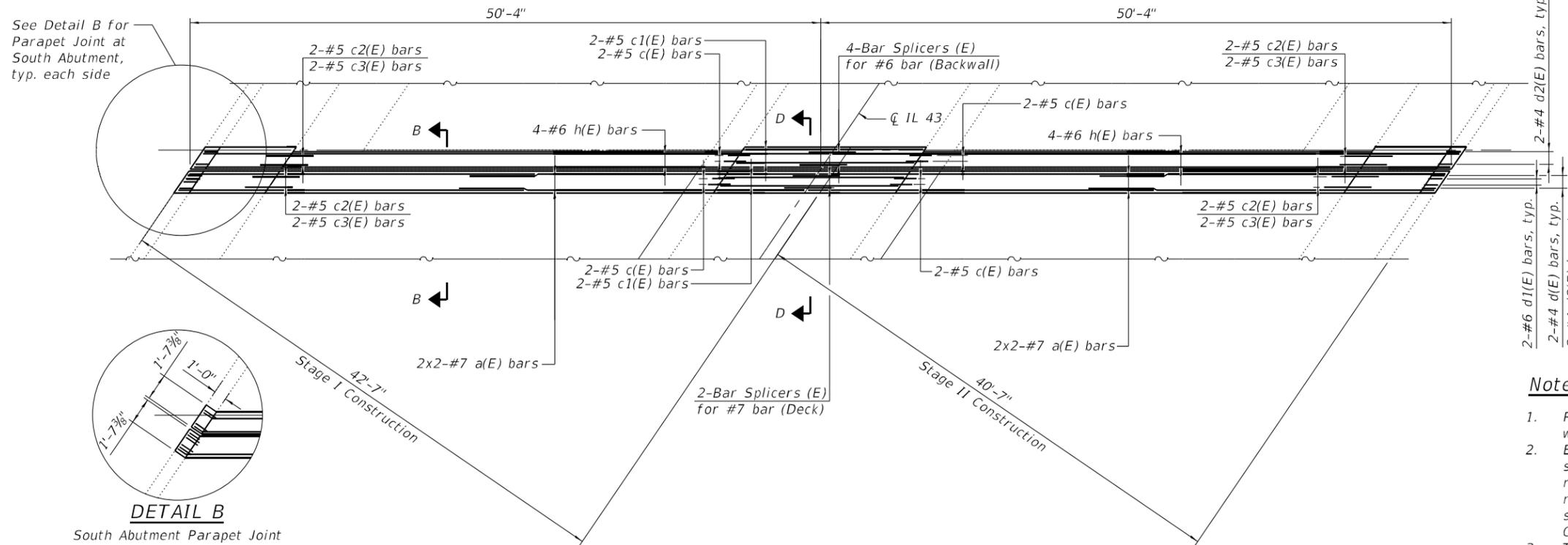


EXISTING PARTIAL PLAN
(North Abutment shown, South Abutment similar)

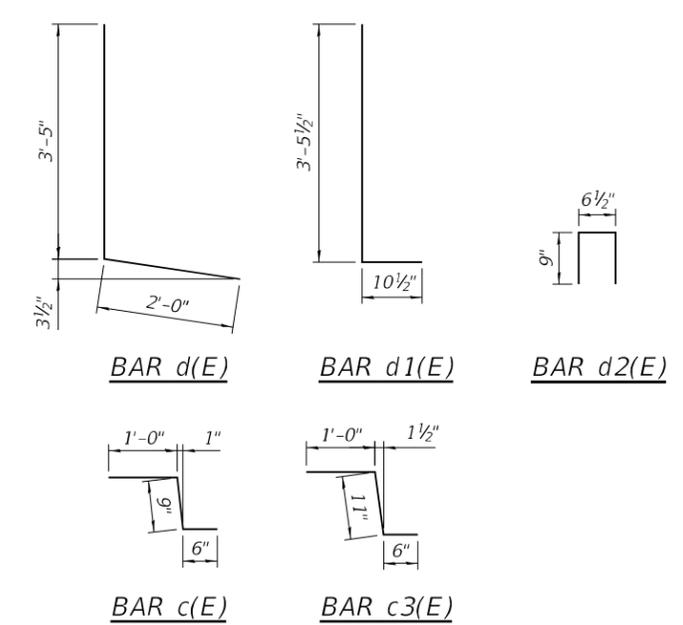
MINIMUM BAR LAP
#7 bar = 5'-2"



DETAIL A
South Abutment Parapet Joint



PROPOSED PARTIAL PLAN
(North Abutment shown, South Abutment similar)



Notes:

1. Removal and disposal of existing expansion joint shall be included with the cost of Concrete Removal.
2. Existing reinforcement extending into the removal area shall be cleaned, straightened, and incorporated into the new construction. Any existing reinforcement bars intended for reuse and damaged during the concrete removal operations shall be repaired or replaced using an approved bar splicer or anchorage system to the satisfaction of the Engineer. Cost included with Concrete Removal.
3. The North Abutment Preformed Joint Strip Seal shall be per the details labeled (FOR SKEWS ≤ 30°) on Sheet 8 of 13 thru 10 of 13.

(Sheet 1 of 3)

MODEL: Default
FILE NAME: D9125522-shr-016-2598-06-ExpIIPlan



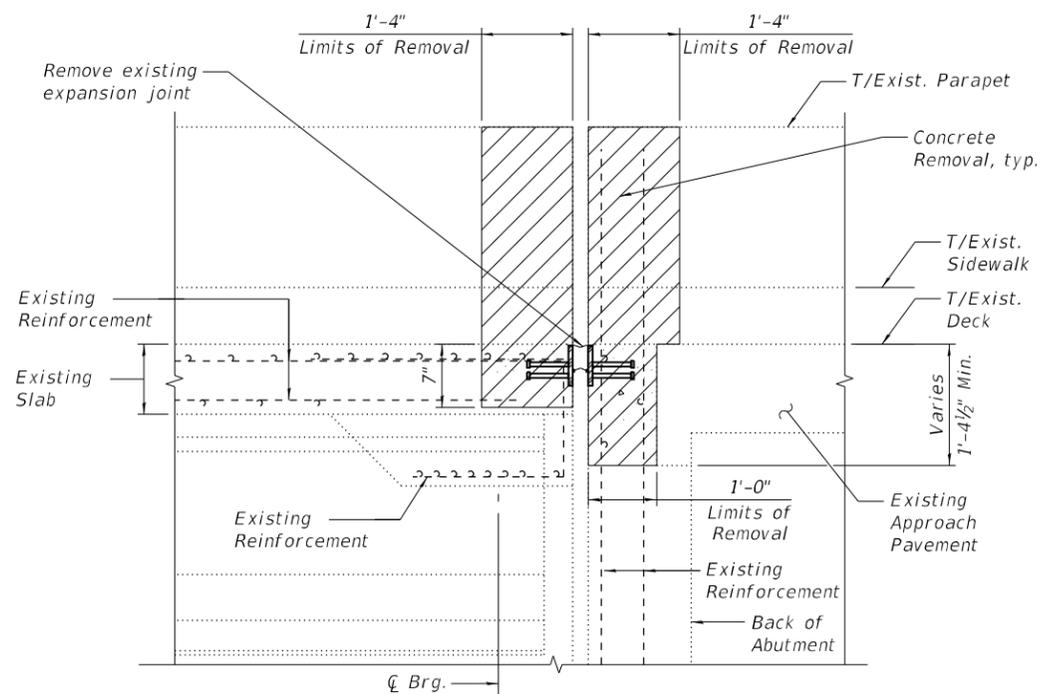
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PLOT SCALE =	CHECKED - LM	REVISED -
PLOT DATE =	DRAWN - JJM	REVISED -
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

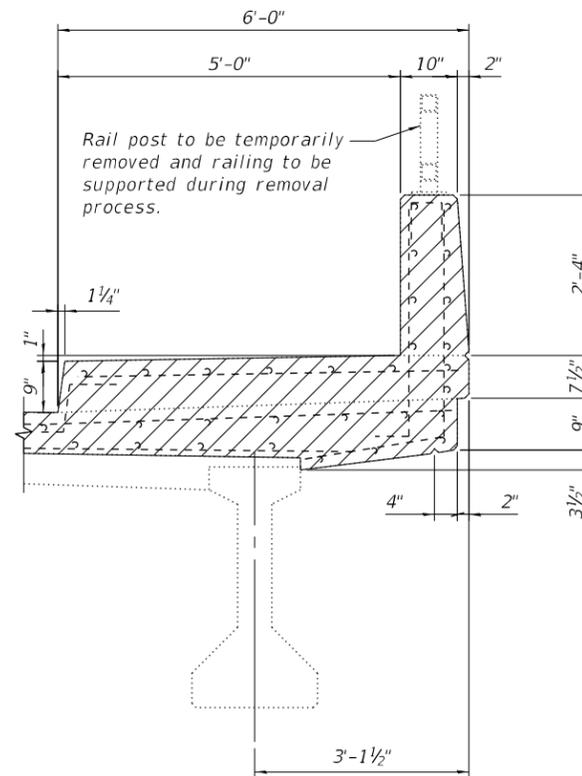
ABUTMENT EXPANSION JOINT REPLACEMENT
STRUCTURE NO. 016-2598

SHEET 6 OF 13 SHEETS

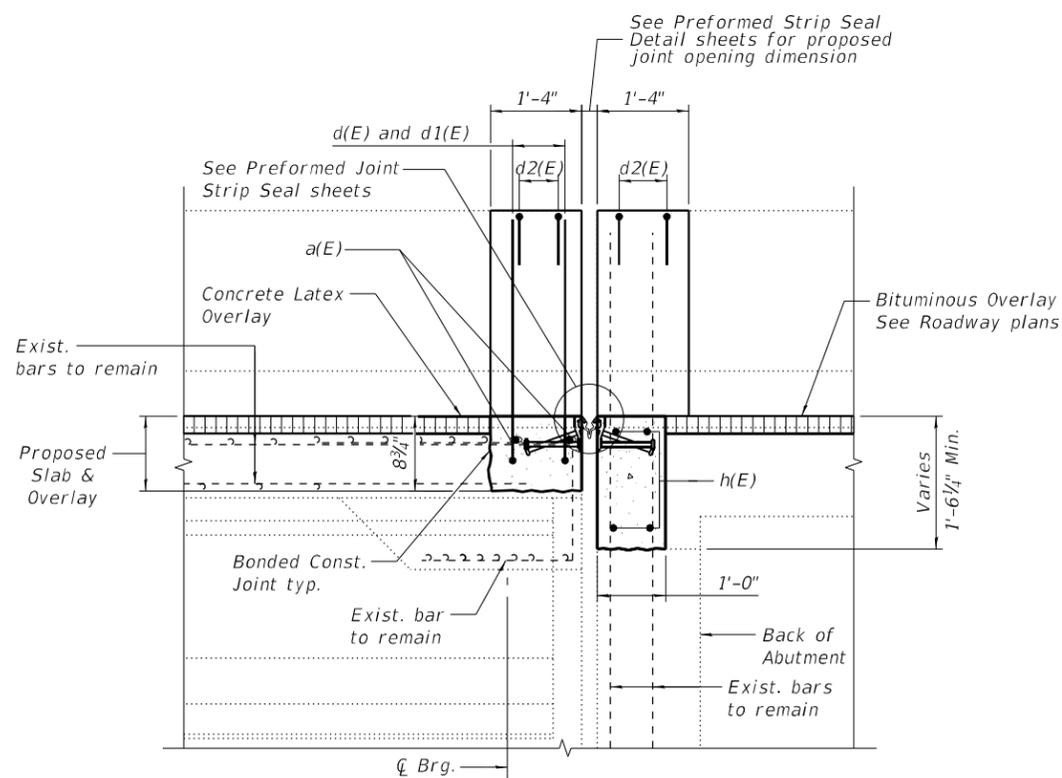
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348	FAP 0348 22 BJ	COOK	40	24
CONTRACT NO. 62T18				
ILLINOIS FED. AID PROJECT				



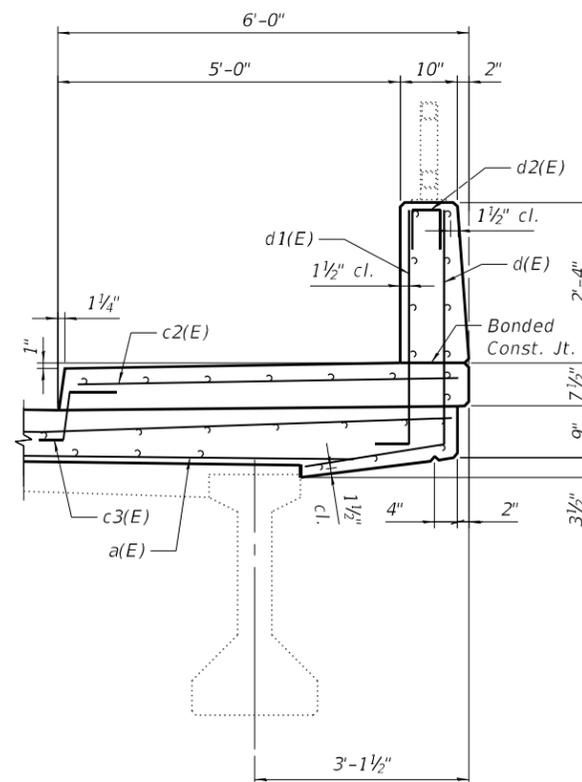
SECTION A-A



EXISTING SECTION THRU PARAPET



SECTION B-B



PROPOSED SECTION THRU PARAPET

(Sheet 2 of 3)

MODEL: Default
FILE NAME: D9125522-sh1-016-2598-07-ExpJDetail1



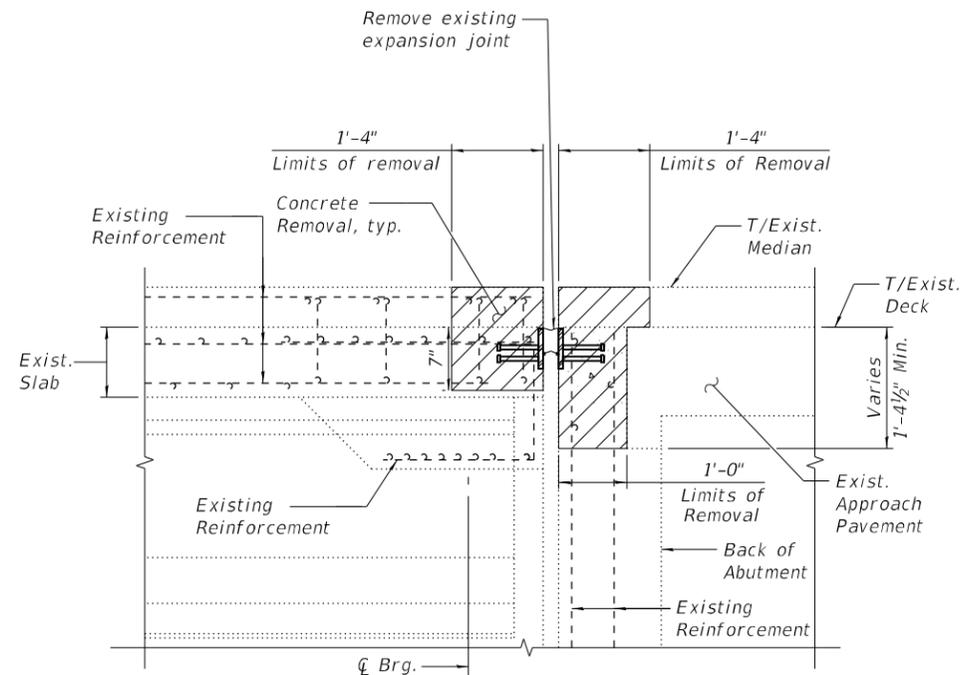
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

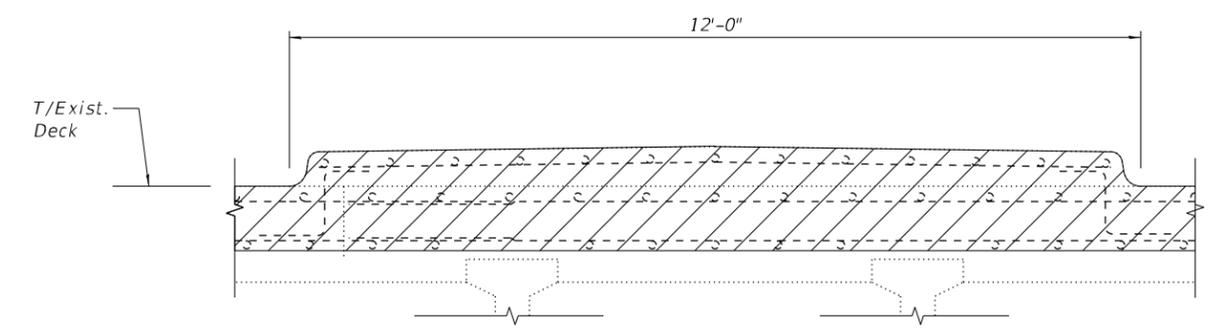
ABUTMENT EXPANSION JOINT REPLACEMENT
STRUCTURE NO. 016-2598

SHEET 7 OF 13 SHEETS

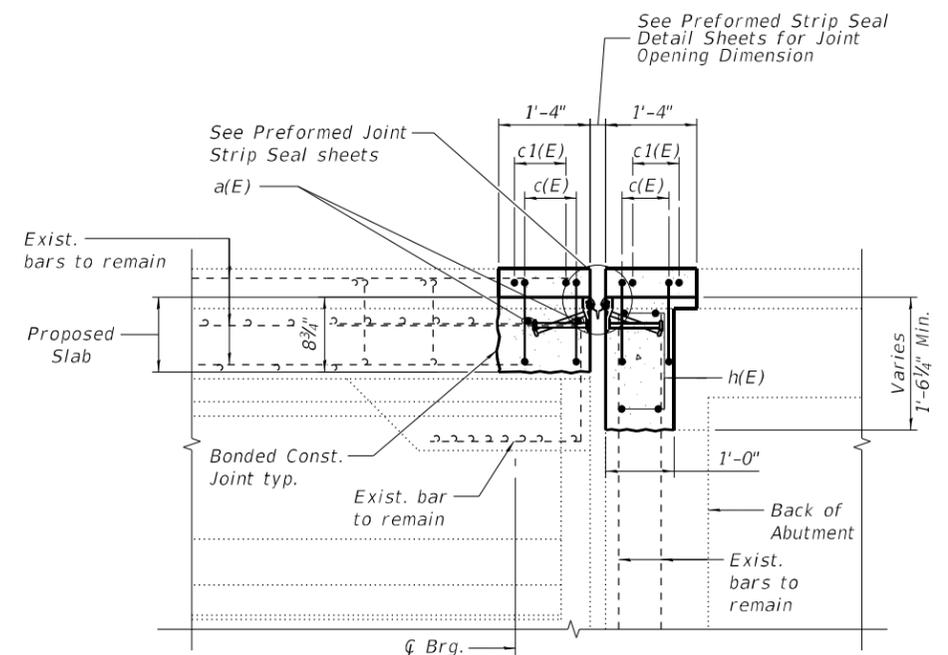
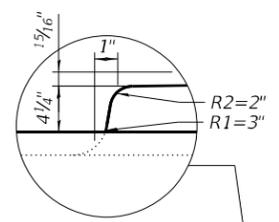
F.A.P. RTE. 348	SECTION FAP 0348 22 BJ	COUNTY COOK	TOTAL SHEETS 40	SHEET NO. 25
CONTRACT NO. 62T18				
ILLINOIS FED. AID PROJECT				



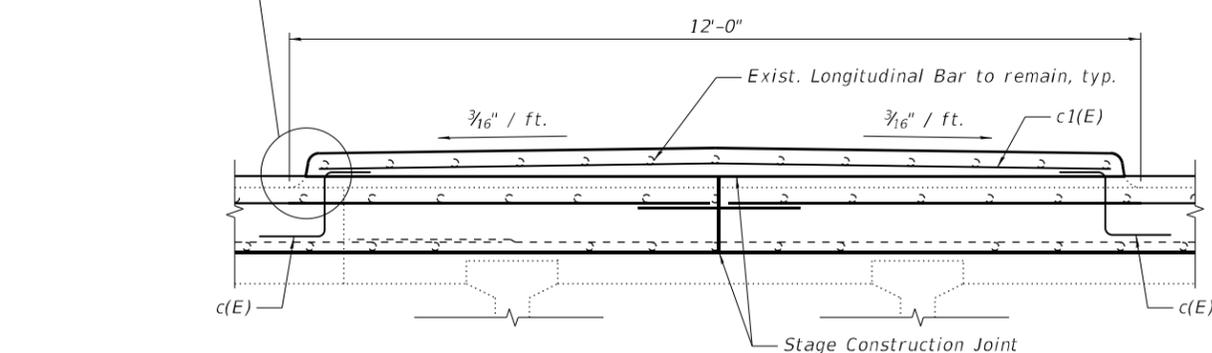
SECTION C-C



EXISTING SECTION THRU MEDIAN



SECTION D-D



PROPOSED SECTION THRU MEDIAN

(Sheet 3 of 3)

MODEL: Default
FILE NAME: D:\125522-shr-016-2598-08-Exp\Detail62



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PLOT DATE =	DRAWN - JJM	REVISED -
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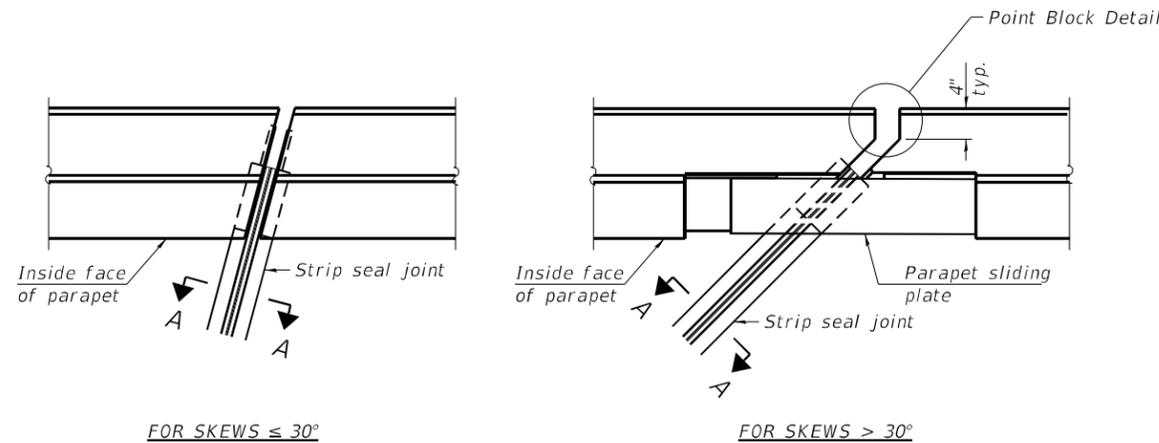
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ABUTMENT EXPANSION JOINT REPLACEMENT
STRUCTURE NO. 016-2598

SHEET 8 OF 13 SHEETS

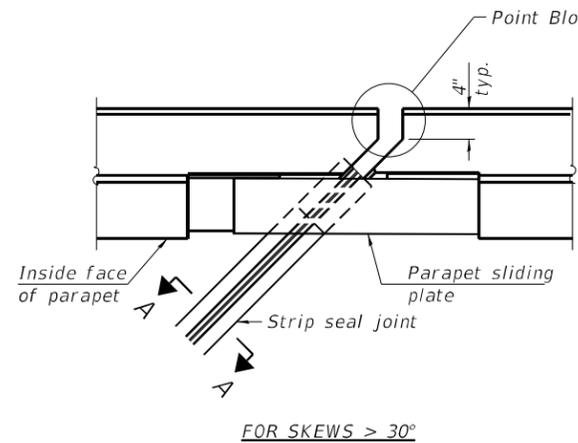
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348	FAP 0348 22 BJ	COOK	40	26
CONTRACT NO. 62T18				
ILLINOIS FED. AID PROJECT				

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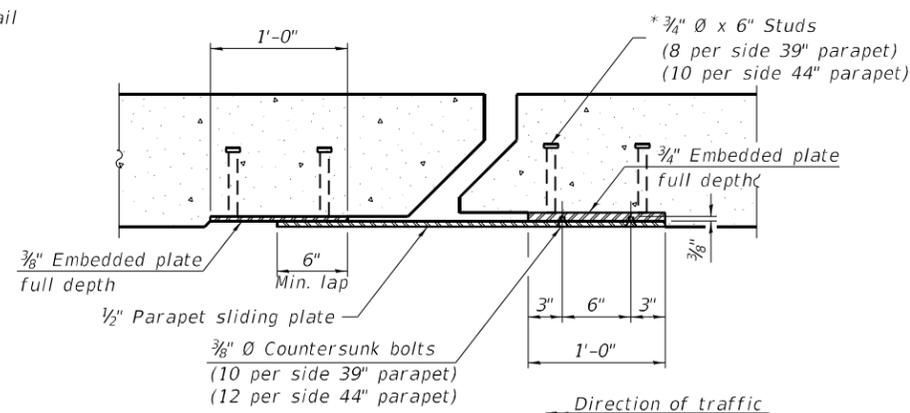


FOR SKEWS $\leq 30^\circ$

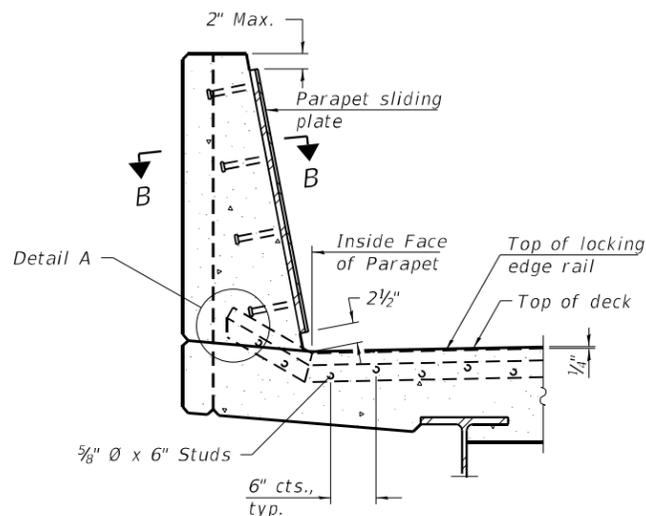
PLAN AT PARAPET



FOR SKEWS $> 30^\circ$

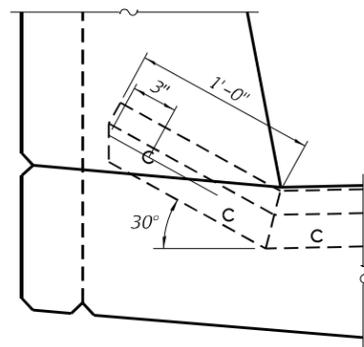


SECTION B-B

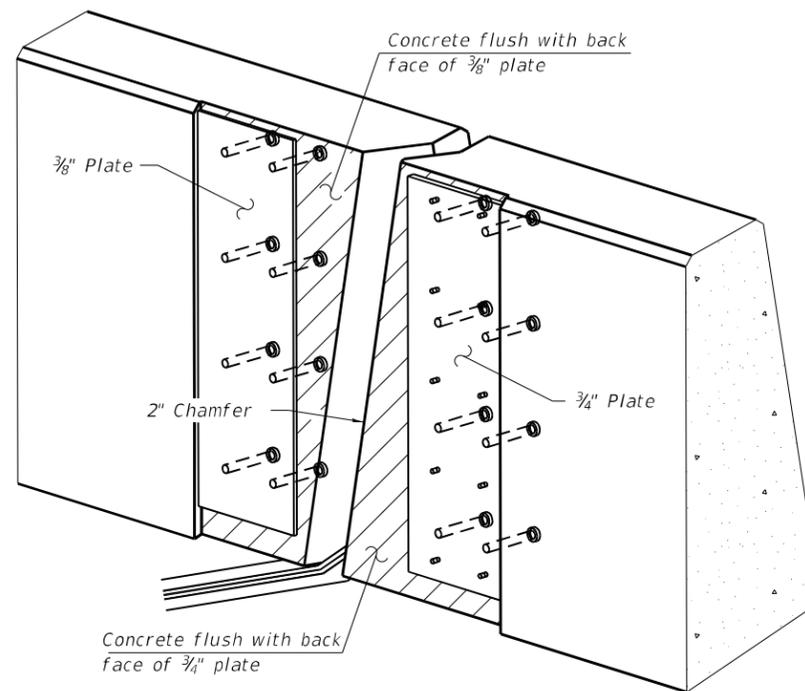


SECTION AT PARAPET

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

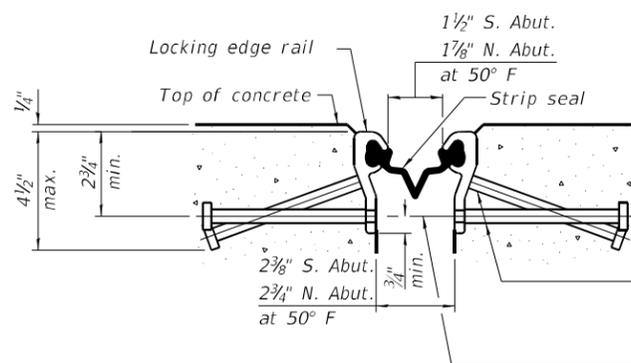


DETAIL A



TRIMETRIC VIEW

(Showing embedded plates only)



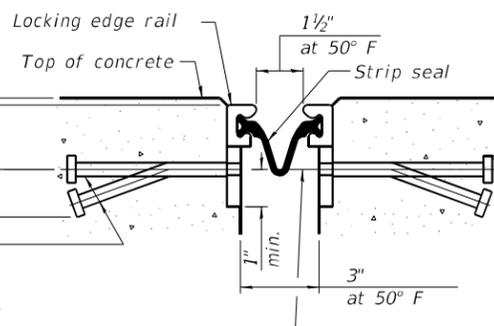
SHOWING ROLLED RAIL JOINT

* $3/8$ " \varnothing x 6" studs @ 6" cts. (alternate angled/bent studs with horizontal studs)

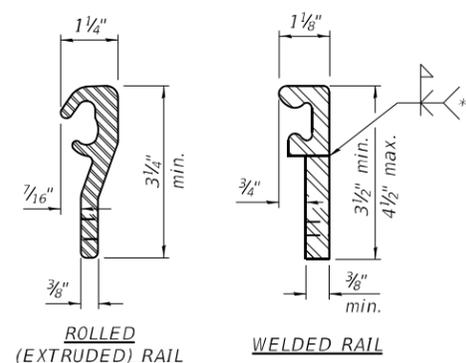
$3/8$ " \varnothing threaded rods in $7/16$ " \varnothing holes at ± 4 "-0" cts. for holding the proper joint opening based on the temperature during the deck pour. Place to miss studs. All rods shall be burned, or sawed off flush with the plates after concrete is set.

SECTION A-A

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

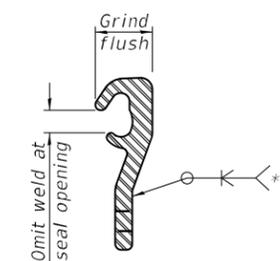


SHOWING WELDED RAIL JOINT



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	202

Notes:
 The strip seal shall be made continuous and shall have a minimum thickness of $1/4$ ". 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 $4 1/2$ " 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 $3/16$ " 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.
 The top surface of sidewalk sliding plates shall have a raised pattern according to ASTM A786.
 Cost of parapet sliding plates, sidewalk sliding plates, embedded plates, anchorage studs, and expansion anchors included with Preformed Joint Strip Seal.
 39" constant slope barrier shown, 44" constant slope barrier 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.

MODEL: Default
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EJ-SS-S

5-15-2023

(Sheet 1 of 3)



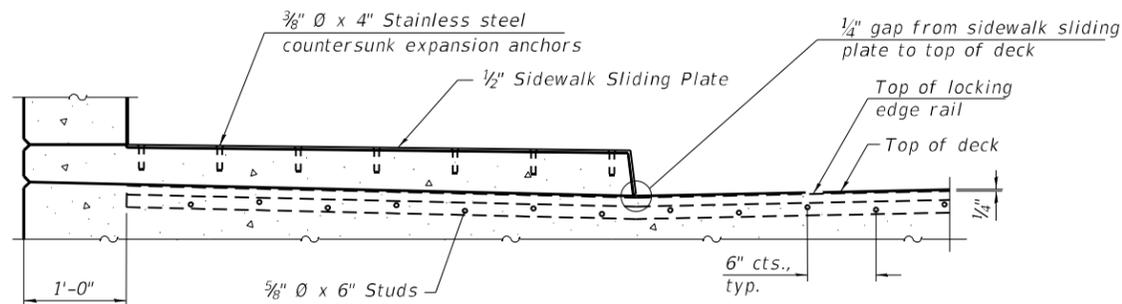
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PLOT DATE =	DRAWN - JJM	REVISED -
	CHECKED - LM	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

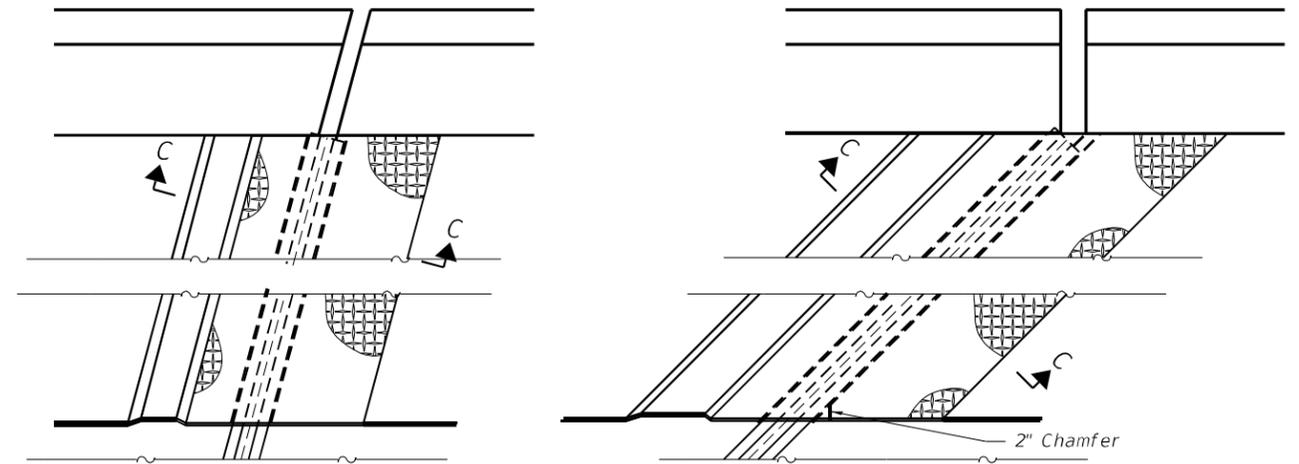
PREFORMED JOINT STRIP SEAL - SIDEWALK
 STRUCTURE NO. 016-2598

SHEET 9 OF 13 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	FAP 0348 22 BJ	COOK	40	27
CONTRACT NO. 62T18				
ILLINOIS FED. AID PROJECT				



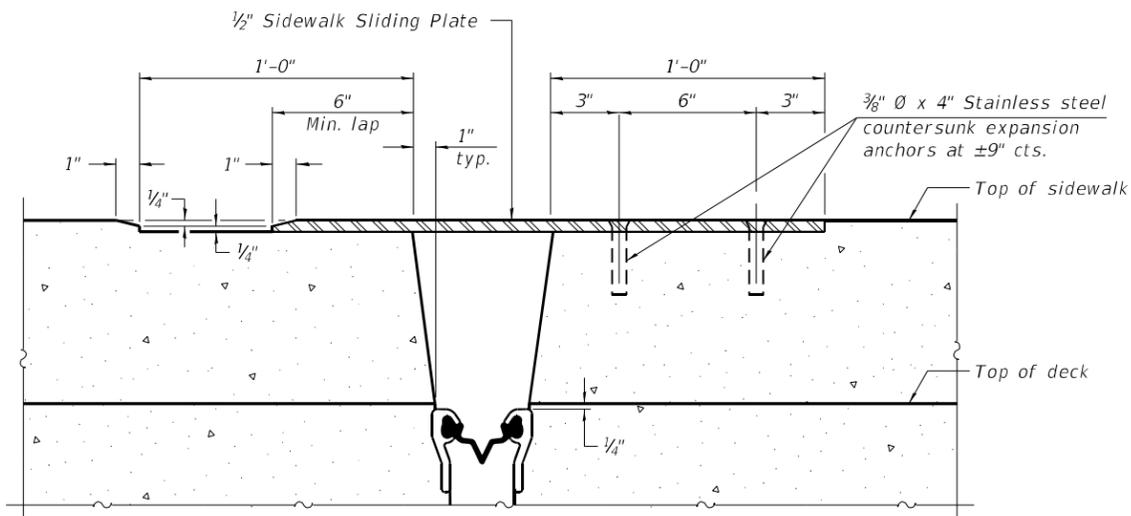
SECTION AT RAISED SIDEWALK



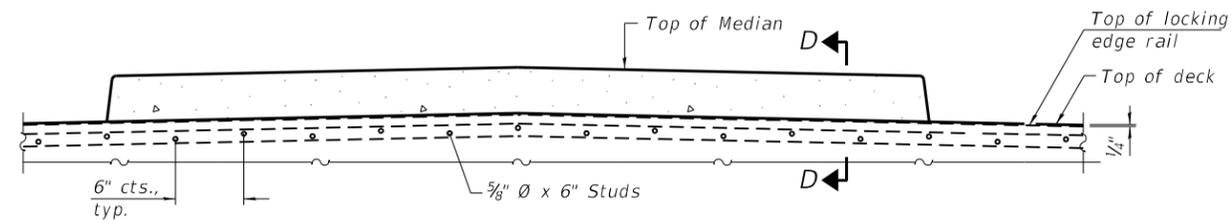
(FOR SKEWS ≤ 30°)

(FOR SKEWS > 30°)

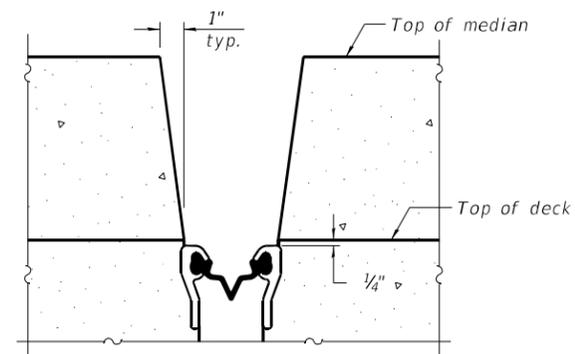
PLAN AT RAISED SIDEWALK



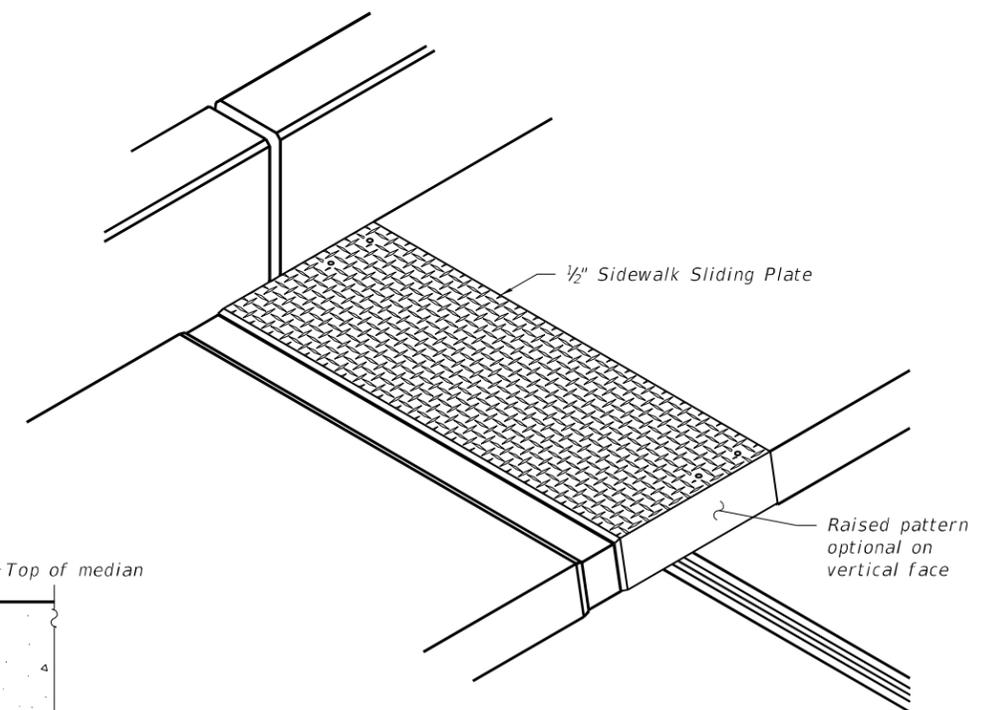
SECTION C-C



SECTION AT MEDIAN
For skews > 30°, chamfer acute corners 2" similar to sidewalk.



SECTION D-D
(at Rt. L's)



TRIMETRIC VIEW

(Sheet 2 of 3)

MODEL: Default
FILE NAME: D:\125522-shr-016-2598-10-Pref\StripSeal_2

EJ-SS-S

5-15-2023



USER NAME =	DESIGNED - JJM	REVISED -
PLOT SCALE =	CHECKED - LM	REVISED -
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

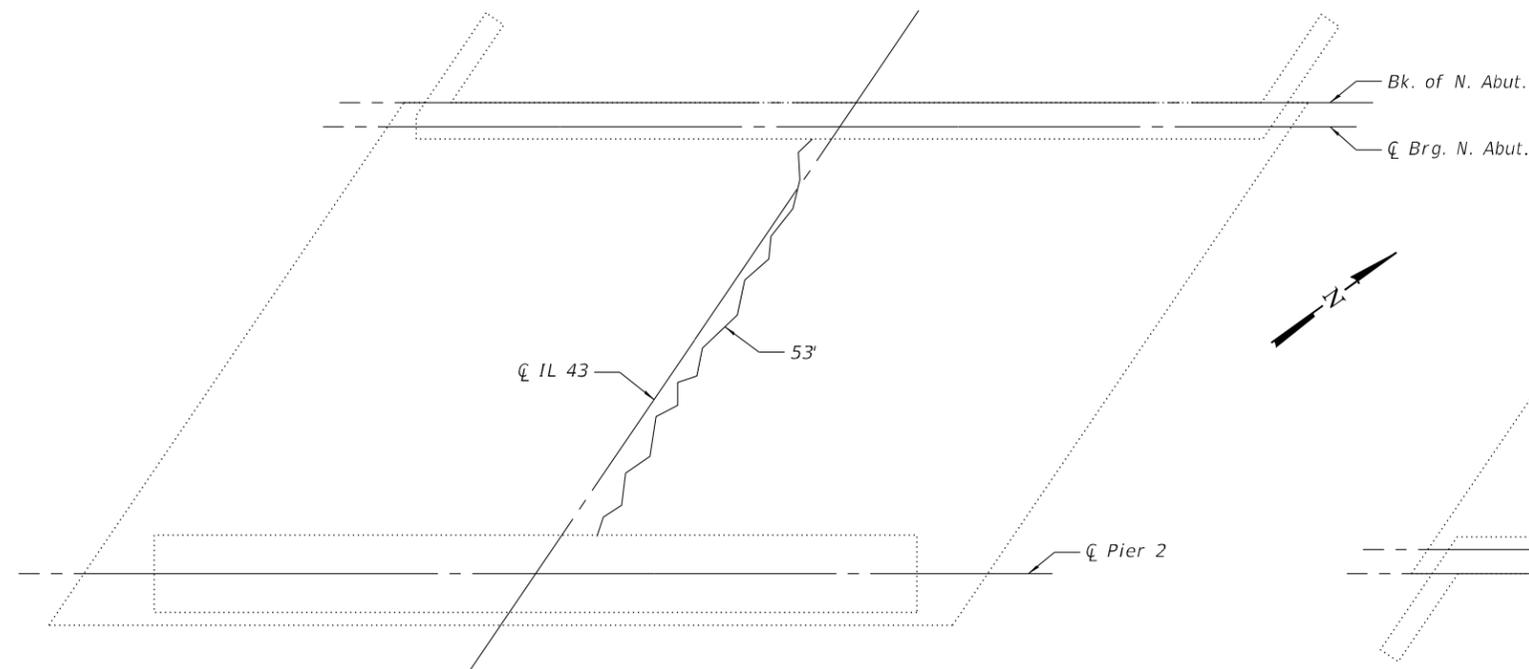
PREFORMED JOINT STRIP SEAL - SIDEWALK
STRUCTURE NO. 016-2598

SHEET 10 OF 13 SHEETS

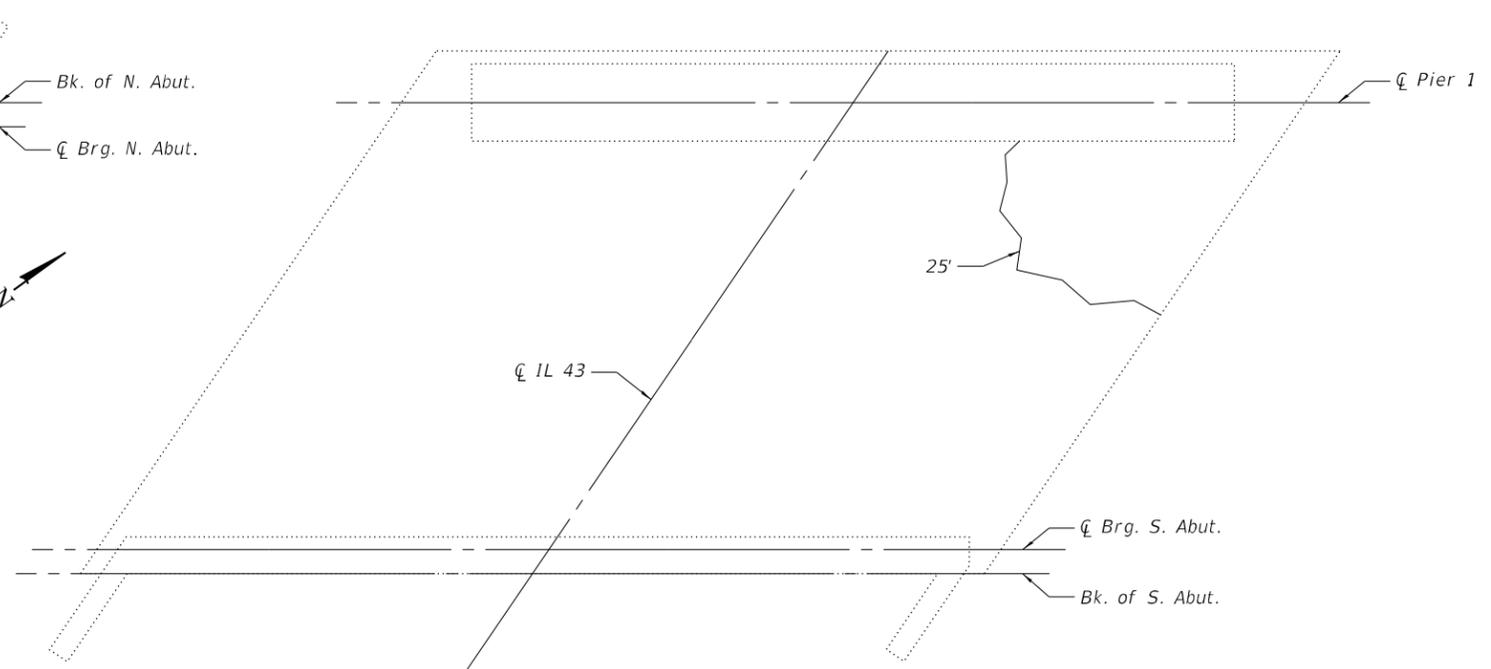
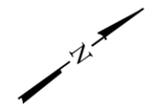
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	FAP 0348 22 BJ	COOK	40	28
CONTRACT NO. 62T18				

ILLINOIS FED. AID PROJECT

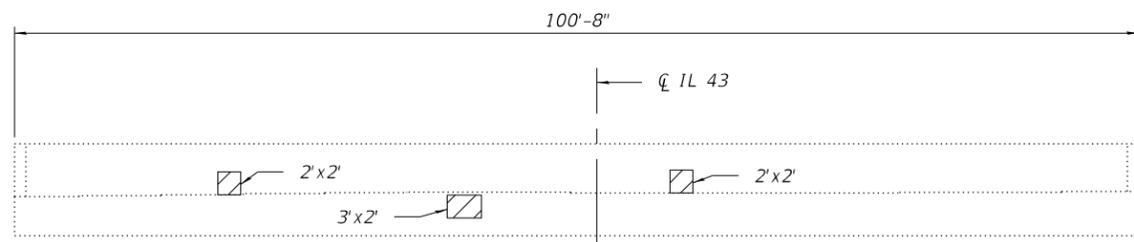
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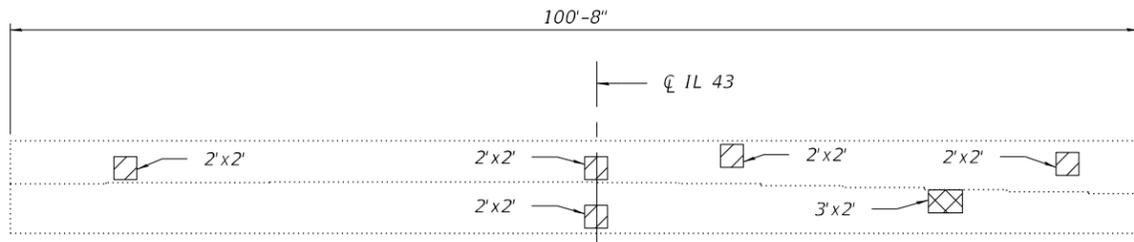
NORTH SLOPE WALL PLAN



SOUTH SLOPE WALL PLAN



SOUTH ABUTMENT ELEVATION



NORTH ABUTMENT ELEVATION

- LEGEND**
- Epoxy Crack Injection
 - Structural Repair of Concrete (Depth Equal to or Less than 5 Inches)
 - Structural Repair of Concrete (Depth Greater than 5 Inches)

BILL OF MATERIAL

Item	Unit	Total
Concrete Sealer	Sq Ft	40
Epoxy Crack Injection	Foot	78
Structural Repair of Concrete (Depth Equal to or Less than 5 Inches)	Sq Ft	34
Structural Repair of Concrete (Depth Greater than 5 Inches)	Sq Ft	6

MODEL: Default
FILE NAME: DSI125522-sh1-016-2598-12-SubstructureRepair



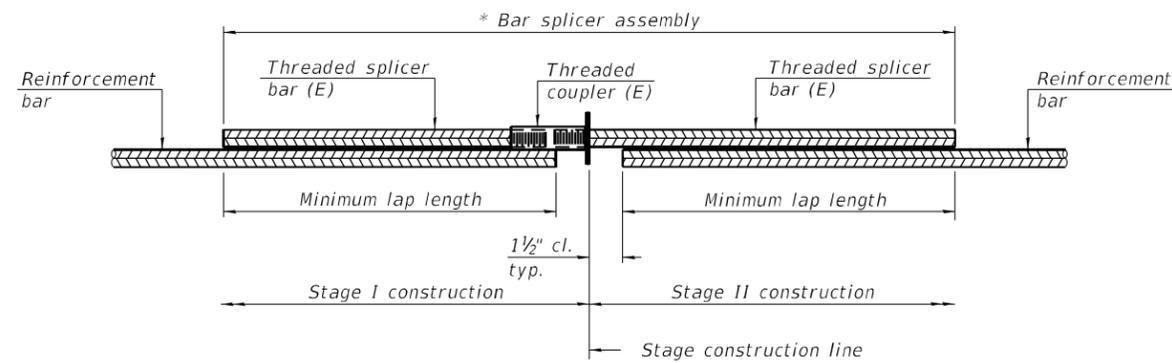
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SUBSTRUCTURE REPAIR PLAN AND DETAILS
STRUCTURE NO. 016-2598**

SHEET 12 OF 13 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	FAP 0348 22 BJ	COOK	40	30
CONTRACT NO. 62T18				
ILLINOIS		FED. AID PROJECT		



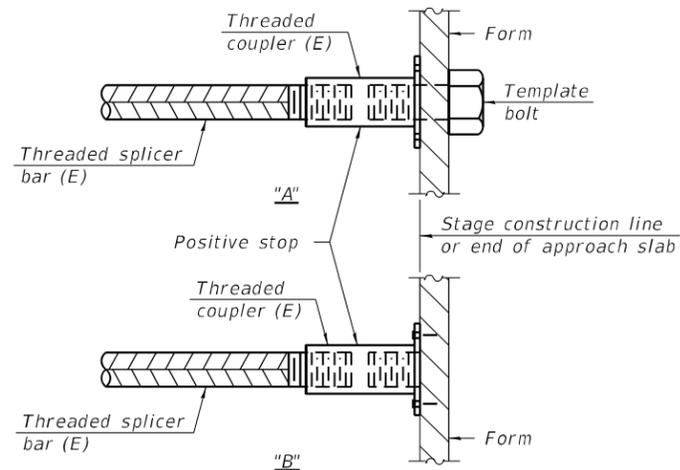
STANDARD BAR SPLICER ASSEMBLY PLAN

(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. Abut	#6	4	3'-7"
S. Abut	#7	2	4'-8"
N. Abut	#6	4	3'-7"
N. Abut	#7	2	4'-8"

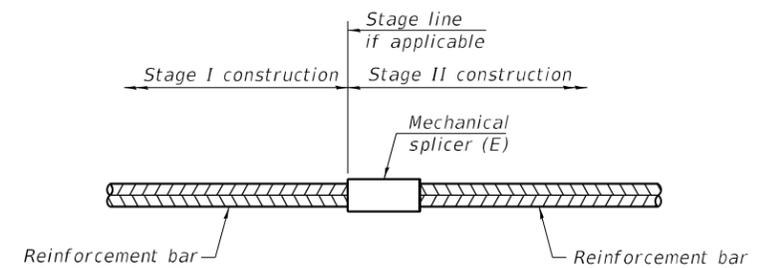


INSTALLATION AND SETTING METHODS

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

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

(E) : Indicates epoxy coating.



STANDARD MECHANICAL SPLICER

Location	Bar size	No. assemblies required

Notes:

Splicer bars shall be deformed with threaded ends and have a minimum 60 ksi yield strength.

All reinforcement shall be lapped and tied to the splicer bars.

Bar splicer assemblies shall be epoxy coated according to the requirements for reinforcement bars. See Section 508 of the Standard Specifications.

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

MODEL: Default
FILE NAME: D9125522-sh1-016-2598-13-BarSplicer

BSD-1

1-1-2020



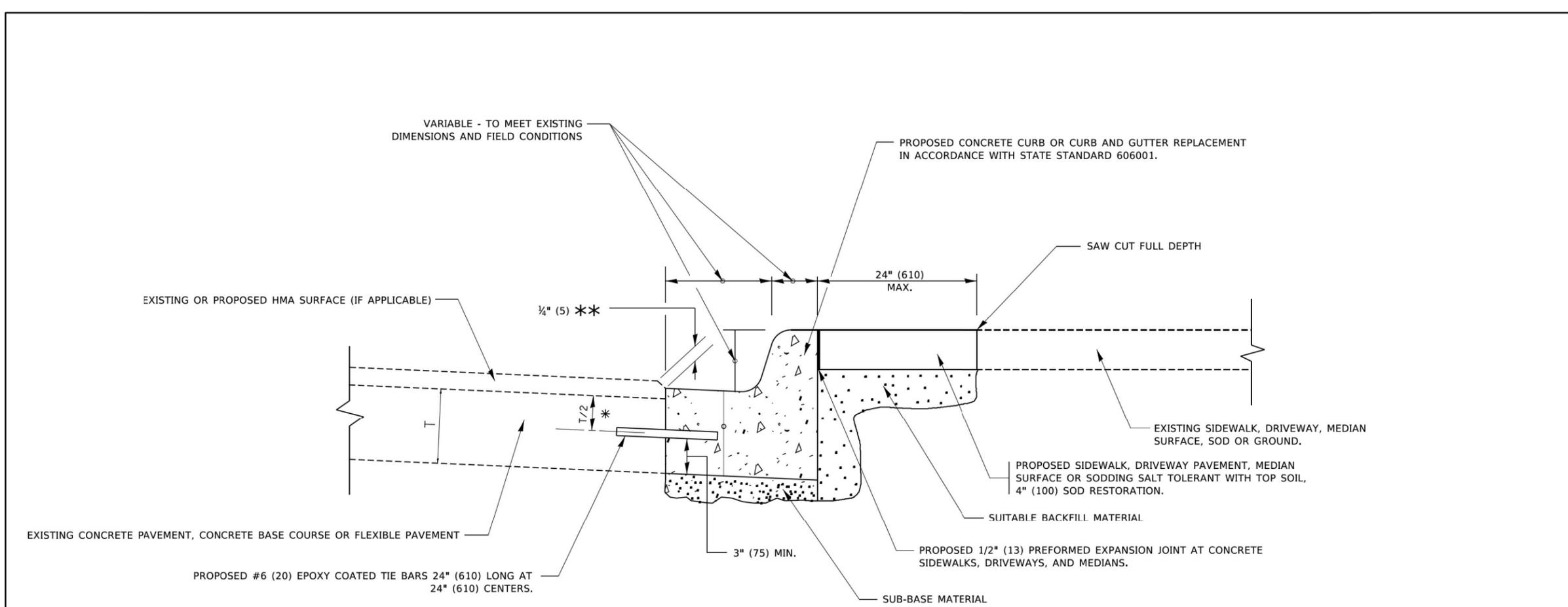
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**BAR SPLICER ASSEMBLY AND MECHANICAL SPLICER DETAILS
STRUCTURE NO. 016-2598**

SHEET 13 OF 13 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	FAP 0348 22 BJ	COOK	40	31
ILLINOIS			FED. AID PROJECT	



* 3" (75) MINIMUM FROM TOP AND BOTTOM OF THE CONCRETE PAVEMENT OR BASE COURSE.

** IF THE FINAL SURFACE OF THE PAVEMENT IS CONCRETE, THE GUTTER IS TO BE FLUSH WITH THE PAVEMENT.

CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

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

MODEL: Default FILE NAME: D:\125522\ch10\standard_01.dgn	USER NAME = footem DESIGNED - A. HOUSEH DRAWN - CHECKED - PLOT DATE = 7/11/2019	REVISIONS REVISION NO. DATE BY DESCRIPTION 1 03-11-94 2 07-11-19 K. SMITH	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT	F.A.P. RTE. SECTION COUNTY TOTAL SHEETS SHEET NO. BD600-06 (BD-24) ILLINOIS FED. AID PROJECT
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USER NAME = amalla,baymundo DESIGNED - AMB DRAWN - AMB CHECKED - MM PLOT DATE = 8/18/2023	REVISIONS REVISION NO. DATE BY DESCRIPTION 1 08-18-2023 2
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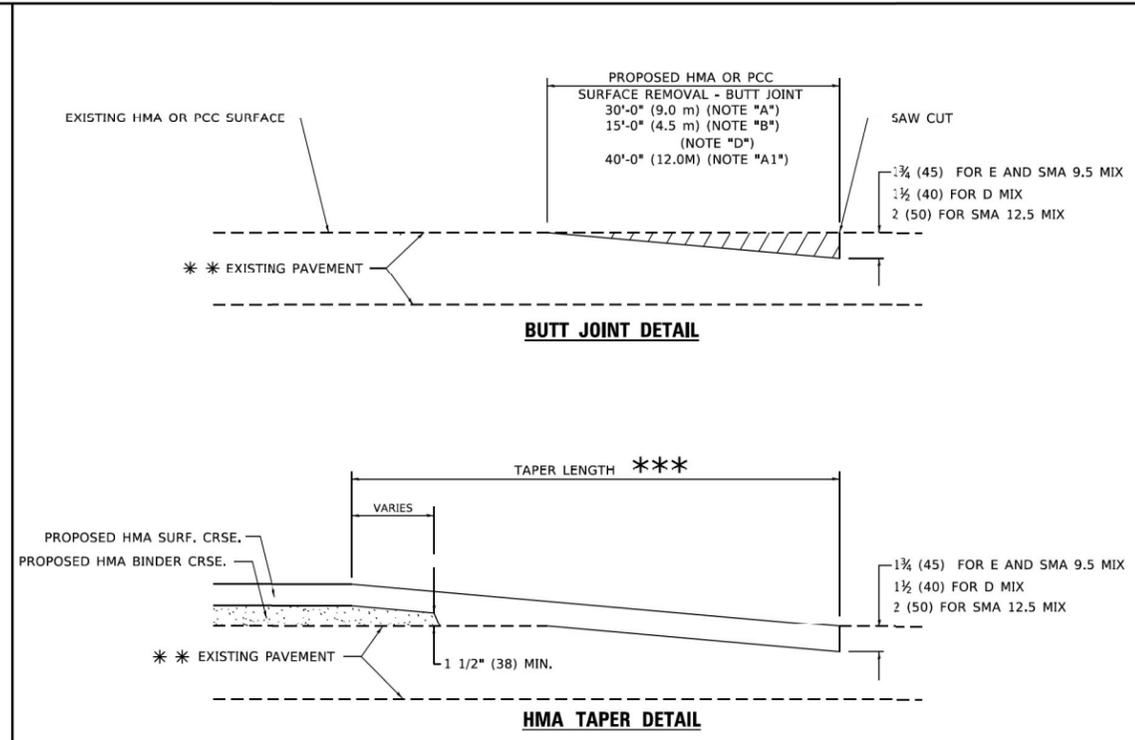
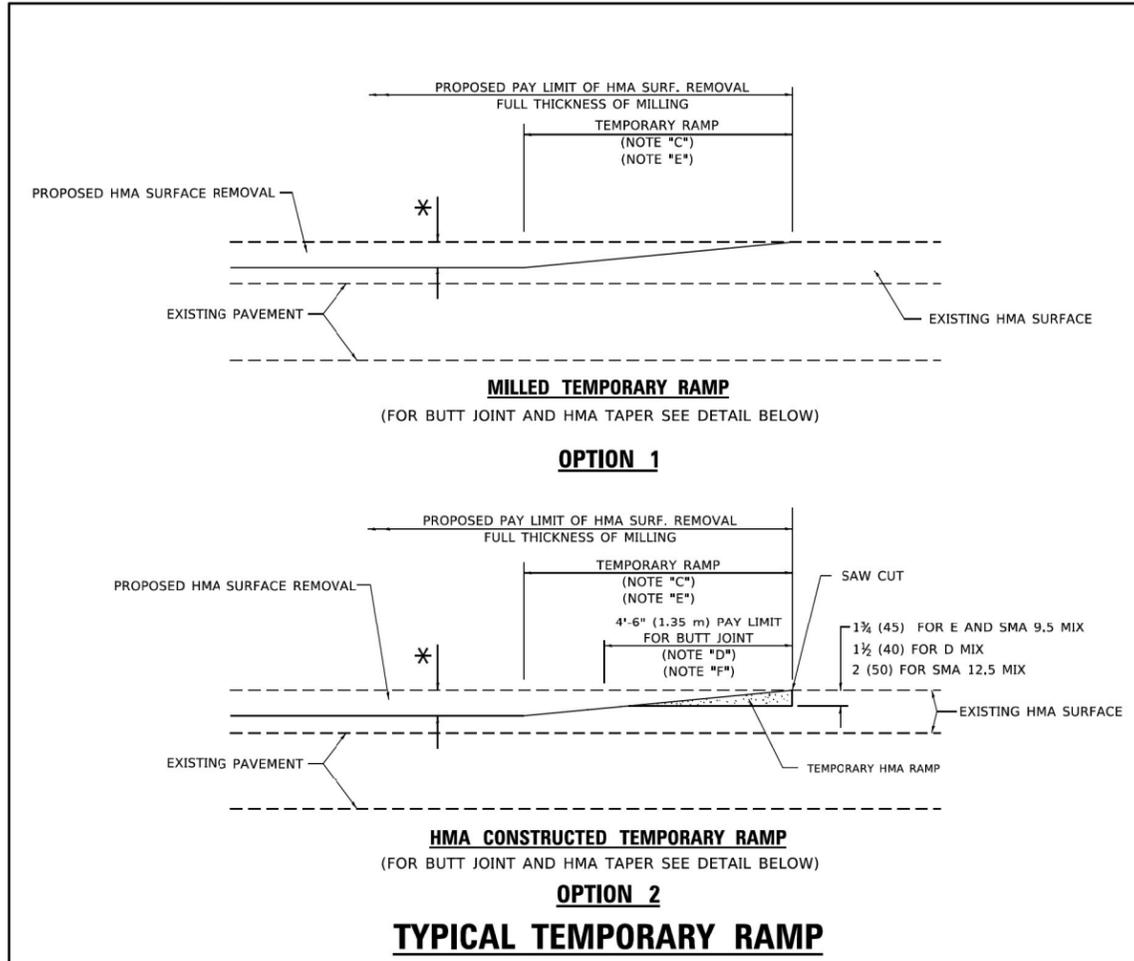
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CURB OR CURB AND GUTTER
REMOVAL AND REPLACEMENT

SCALE: N.T.S. | SHEET 1 OF 9 SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	FAP 0348 22 BJ	COOK	40	32
CONTRACT NO. 62T18				
ILLINOIS FED. AID PROJECT				

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TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY

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

GENERAL NOTES

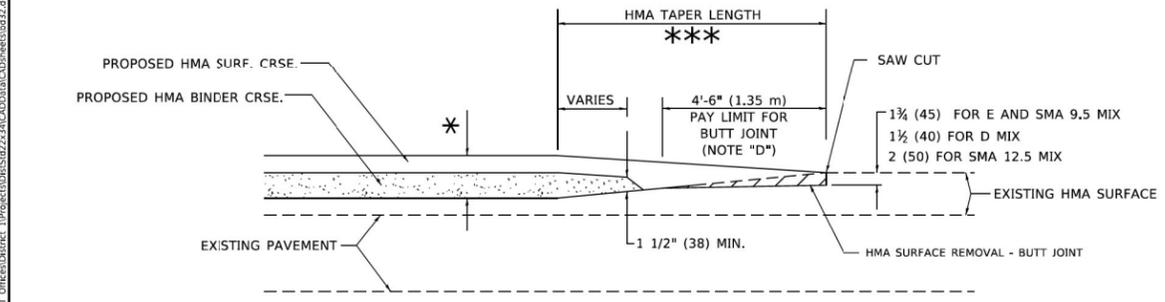
- A. MAINLINE ARTERIAL ROADWAYS AND MAJOR SIDE ROADS.
- A1. INTERSTATES
- B. MINOR SIDE ROADS.
- C. THE TEMP. RAMP SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING HMA SURFACE.
- D. THE BUTT JOINT SHALL BE CONSTRUCTED IMMEDIATELY PRIOR TO PLACING THE PROPOSED HMA COURSES.
- E. TAPER THE 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.

MODEL: D:\hntb\... FILE NAME: D:\125522\hntb\standard_02.dgn



TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING

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PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED - M. GOMEZ 04-06-01
PLOT DATE = 11/18/2022	DATE - 06-13-90	REVISED - R. BCRO 01-01-07
		REVISED - K. SMITH 11-18-22

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

SCALE: NONE		SHEET 1 OF 1 SHEETS		STA. TO STA.	
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
BD400-05	BD-32	COOK	40	33
ILLINOIS FED. AID PROJECT				

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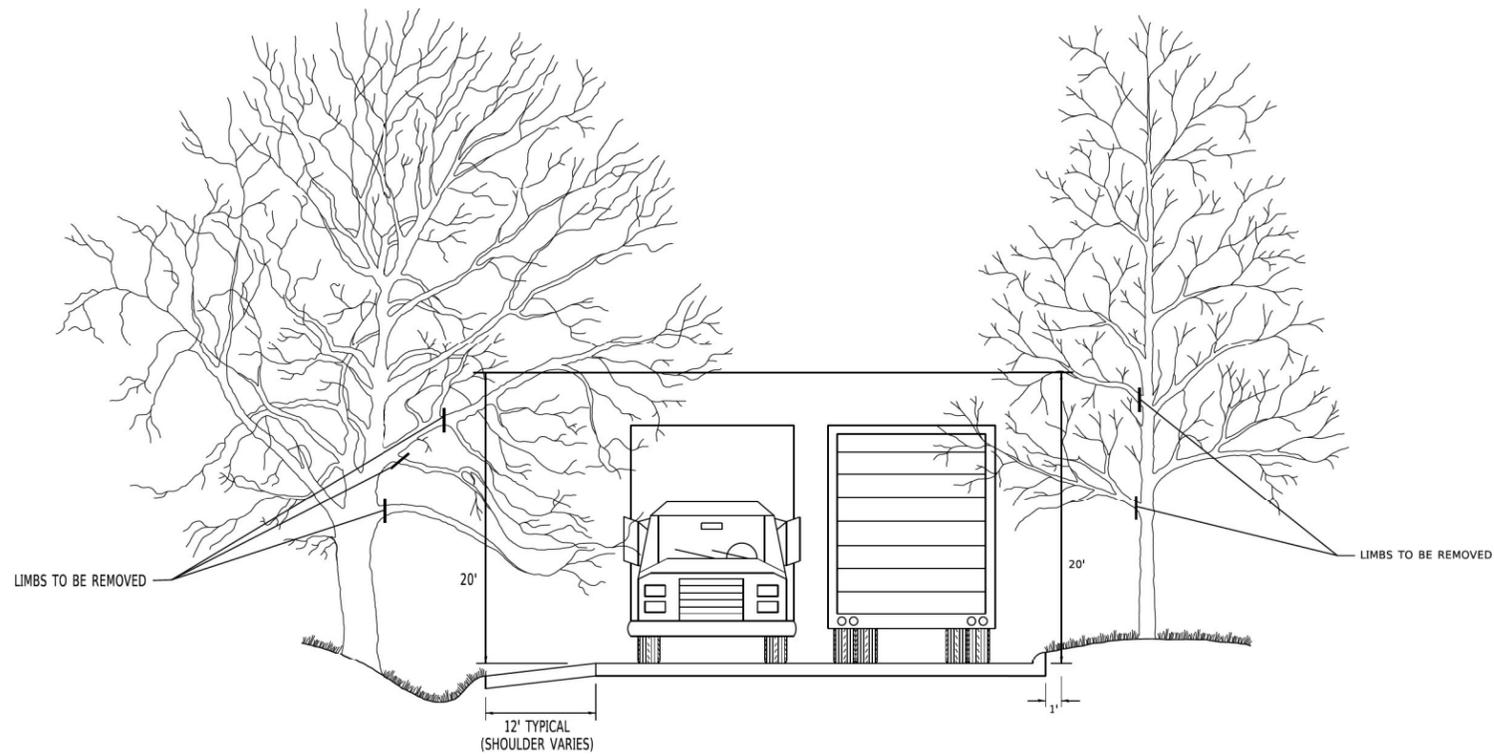


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PLOT DATE = 8/18/2023	DATE - 08/18/2023	REVISED -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

SCALE: N.T.S.		SHEET 2 OF 9 SHEETS		STA. TO STA.	
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	FAP 0348 22 BJ	COOK	40	33
ILLINOIS FED. AID PROJECT				



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USER NAME = footeem	DESIGNED -	REVISED - R, BCRO 10-31-06
PLOT SCALE = 50,0000' / in.	DRAWN -	REVISED -
PLOT DATE = 3/11/2019	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PRUNING FOR SAFETY AND
EQUIPMENT CLEARANCE

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	BM-20			



USER NAME = amalla,baymundo	DESIGNED - AMB	REVISED -
PLOT SCALE = 0.2000' / in.	DRAWN - AMB	REVISED -
PLOT DATE = 8/18/2023	CHECKED - MM	REVISED -
	DATE - 08/18/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PRUNING FOR SAFETY AND
EQUIPMENT CLEARANCE

SCALE: N.T.S. SHEET 3 OF 9 SHEETS STA. TO STA.

F.A. P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	FAP 0348 22 BJ	COOK	40	34

ILLINOIS FED. AID PROJECT

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DRAWN -	DRAWN -	REVISED - T. RAMMACHER 01-06-00
PLOT SCALE = 50,0000 ' / in.	CHECKED -	REVISED - A. SCHUETZE 07-01-13
PLOT DATE = 3/4/2019	DATE - 06-89	REVISED - A. SCHUETZE 09-15-16

**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. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	TC-10			
ILLINOIS FED. AID PROJECT			CONTRACT NO.	

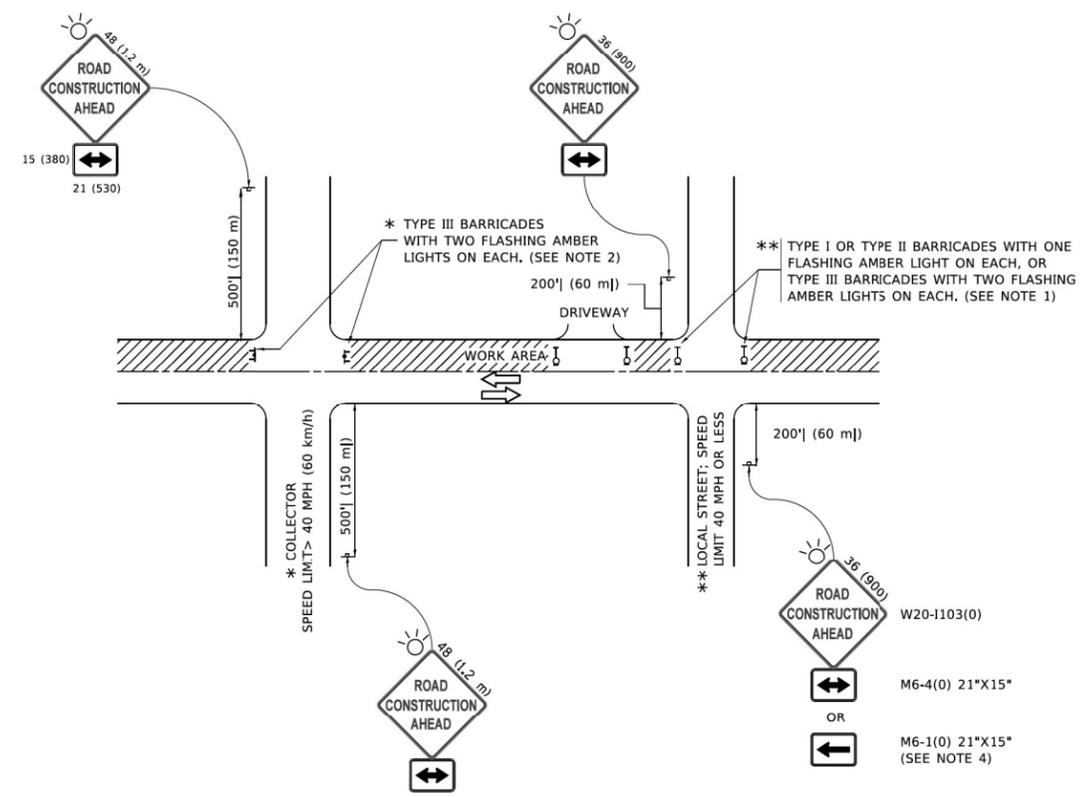
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PLOT DATE = 8/18/2023	DATE - 08/18/2023	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

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

SCALE: N.T.S. SHEET 4 OF 9 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	FAP 0348 22 BJ	COOK	40	35
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62T18	

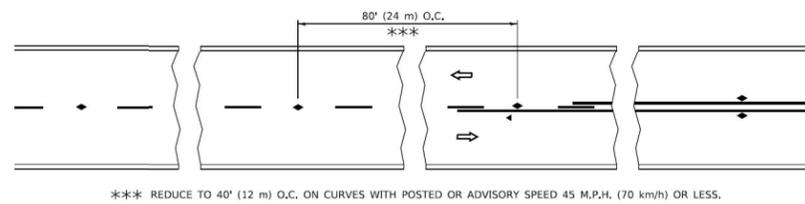


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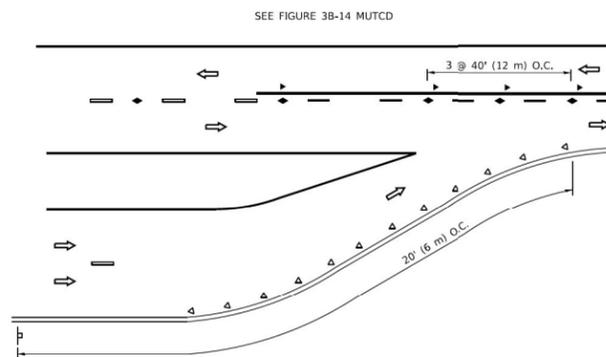
- SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - ONE "ROAD CONSTRUCTION AHEAD" SIGN 36 x 36 (900x900) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
 - THE CLOSED PORTION OF THE MAIN ROUTE SHALL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

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

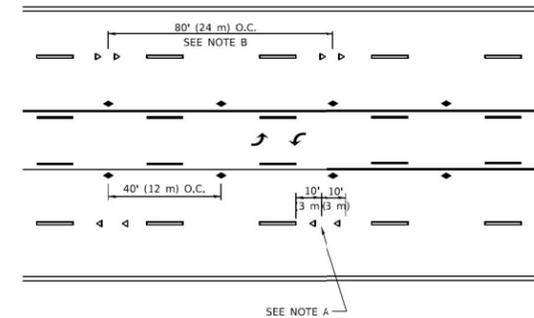




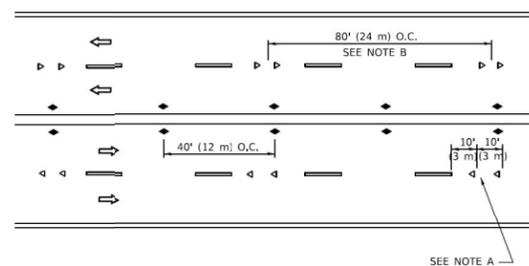
TWO-LANE/TWO-WAY



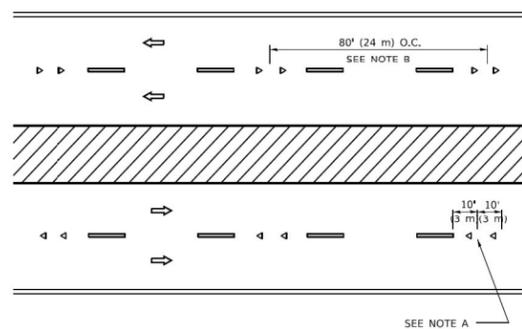
LANE REDUCTION TRANSITION



TWO-WAY LEFT TURN



MULTI-LANE/UNDIVIDED



MULTI-LANE/DIVIDED

GENERAL NOTES

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

SYMBOLS

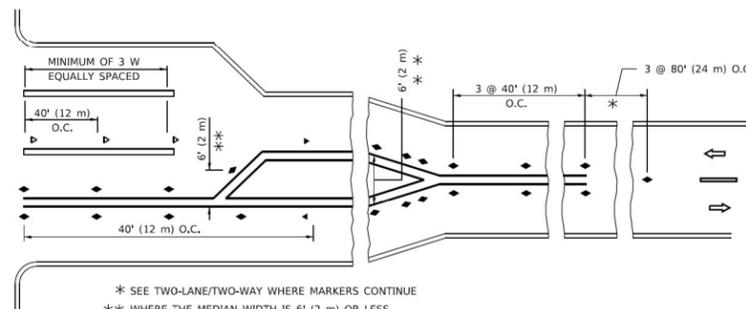
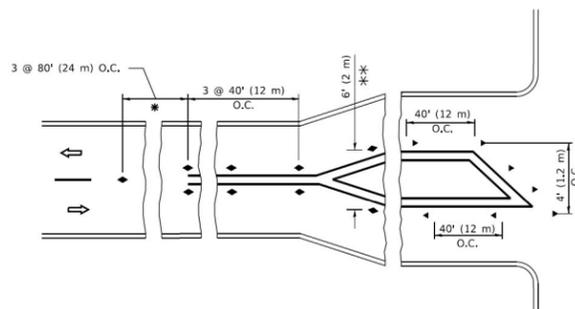
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◀ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

LANE MARKER NOTES

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

DESIGN NOTES

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



TURN LANES

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

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

USER NAME = footejm	DESIGNED -	REVISED - T. RAMMACHER 03-12-99
PLOT SCALE = 30,0000' / in.	DRAWN - AMB	REVISED - T. RAMMACHER 01-06-00
PLOT DATE = 3/4/2019	CHECKED -	REVISED - C. JUCIUS 09-09-09
	DATE -	REVISED - C. JUCIUS 07-01-13

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	TC-11			
				CONTRACT NO.
				ILLINOIS FED. AID PROJECT

HNTB

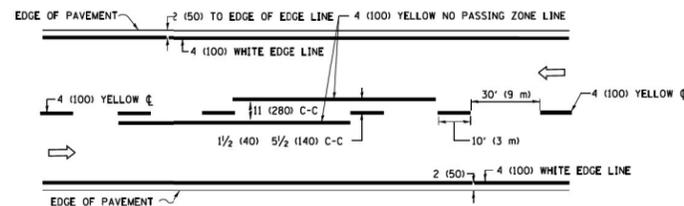
USER NAME = amalla,baymundo	DESIGNED - AMB	REVISED -
PLOT SCALE = 0.2000' / in.	DRAWN - AMB	REVISED -
PLOT DATE = 8/18/2023	CHECKED - MM	REVISED -
	DATE - 08/18/2023	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

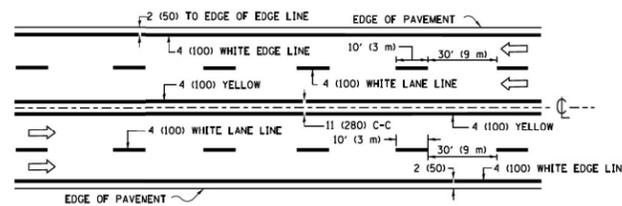
**TYPICAL APPLICATIONS
RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)**

SCALE: N.T.S. SHEET 5 OF 9 SHEETS STA. TO STA.

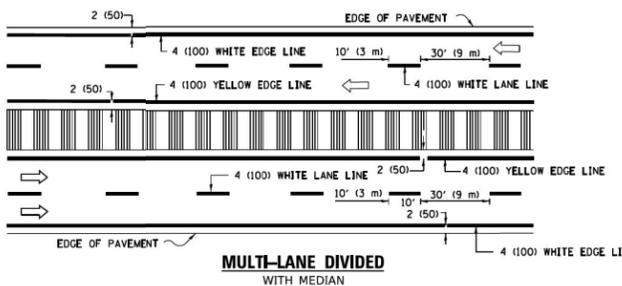
F.A. P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	FAP 0348 22 BJ	COOK	40	36
				CONTRACT NO. 6218
				ILLINOIS FED. AID PROJECT



2-LANE ROADWAY

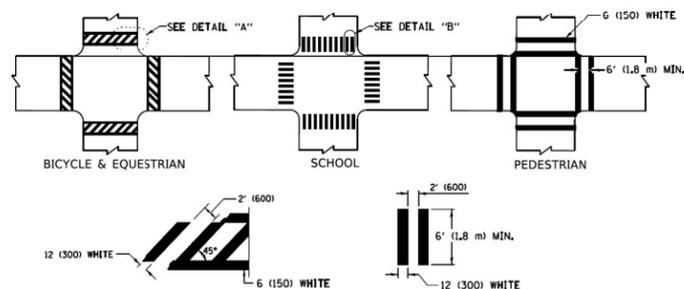


MULTI-LANE UNDIVIDED



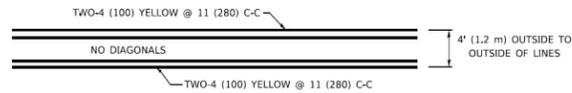
MULTI-LANE DIVIDED WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING

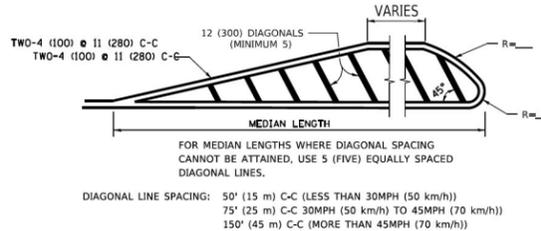


TYPICAL CROSSWALK MARKING

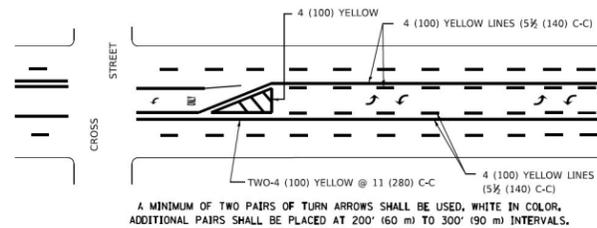
* MARKINGS SHALL BE INSTALLED PARALLEL TO THE CENTERLINE OF THE ROAD WHICH IT CROSSES



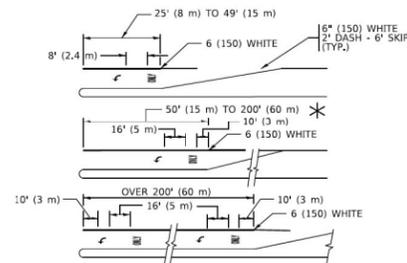
4' (1.2 m) WIDE MEDIANS ONLY



MEDIANS OVER 4' (1.2 m) WIDE

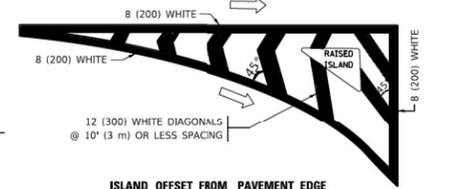


MEDIAN WITH TWO-WAY LEFT TURN LANE TYPICAL PAINTED MEDIAN MARKING

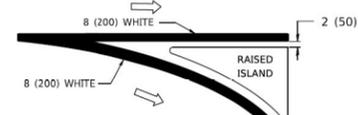


TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING

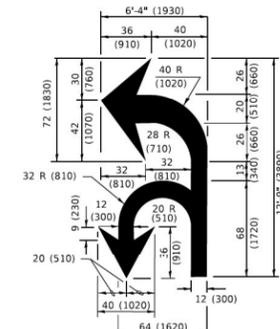


ISLAND OFFSET FROM PAVEMENT EDGE

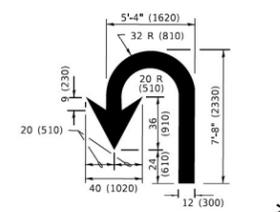


ISLAND AT PAVEMENT EDGE

TYPICAL ISLAND MARKING



COMBINATION LEFT AND U-TURN



U-TURN

LANE REDUCTION TRANSITION

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

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

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

USER NAME = footemj	DESIGNED - EVERS	REVISED - C. JUCIUS 09-09-09
PLOT SCALE = 3/4" = 1'-0"	CHECKED -	REVISED - C. JUCIUS 07-01-13
PLOT DATE = 3/4/2019	DATE - 03-19-90	REVISED - C. JUCIUS 12-21-15
		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.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	TC-13	ILLINOIS		
CONTRACT NO.				

HNTB

USER NAME = amalla,baymundo	DESIGNED - AMB	REVISED -
PLOT SCALE = 0.2000' / in.	CHECKED - MM	REVISED -
PLOT DATE = 8/18/2023	DATE - 08/18/2023	REVISED -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

DISTRICT ONE TYPICAL PAVEMENT MARKINGS

SCALE: N.T.S.	SHEET 6 OF 9 SHEETS	STA. TO STA.
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	FAP 0348 22 BJ	COOK	40	37
CONTRACT NO. 62T18				

TURN BAY ENTRANCE AT START OF LANE CLOSURE TAPER

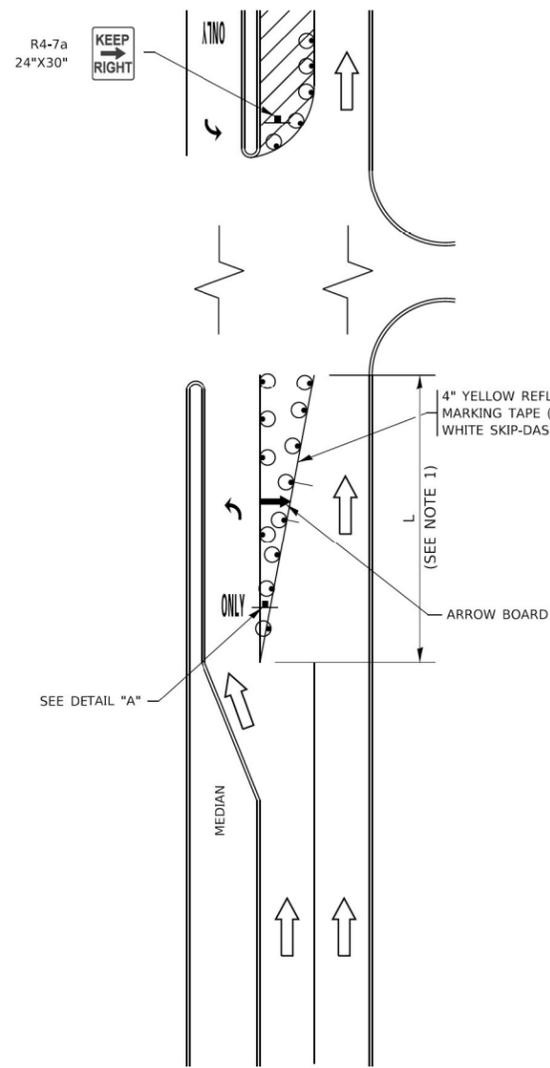
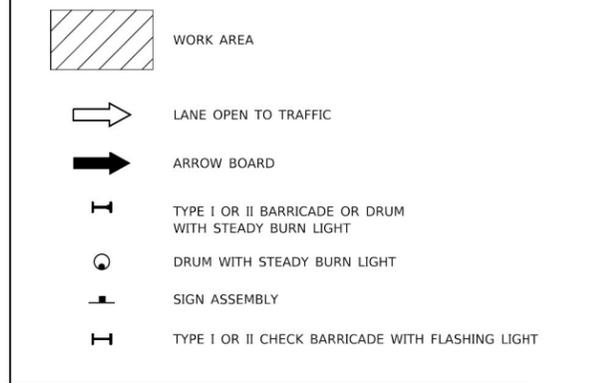


FIGURE 1

LEGEND



NOTES:

1. A) WHEN "L" IS ≤ THE STORAGE LENGTH OF THE TURN LANE (AS SHOWN IN FIG. 1), USE FIGURE 1.
B) WHEN "L" IS > THE STORAGE LENGTH OF THE TURN LANE OR THE TURN LANE IS WITHIN THE LANE CLOSURE, USE FIGURE 2.
2. 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.
3. LIGHTS WILL NOT BE REQUIRED ON BARRICADES OR DRUMS FOR DAY OPERATIONS. ALL LIGHTS SHALL BE MONODIRECTIONAL.
4. REFLECTIVE TEMPORARY PAVEMENT MARKINGS SHALL BE PLACED THROUGHOUT THE BARRICADED AREAS OF EACH TURN BAY AS SHOWN WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN (14) DAYS.
5. THIS APPLICATION ALSO APPLIES WHEN WORK IS BEING PERFORMED IN THE RIGHT LANE(S) AND THE RIGHT TURN BAY IS TO REMAIN OPEN. UNDER THIS CONDITION, "RIGHT TURN LANE" R3-1100R 24 x 24 (600 x 600) AND M6-2R 21 x 15 (530 x 380) SHALL BE USED.
6. THESE CONTROLS SHALL SUPPLEMENT MAINLINE TRAFFIC CONTROL FOR LANE CLOSURES.
7. THE SIGNS SHALL BE MOUNTED ABOVE THE BARRICADES/DRUMS ON SEPARATE SIGN SUPPORTS THAT MEET NCHRP 350 OR MASH REQUIREMENTS.
8. TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

TURN BAY ENTRANCE WITHIN A LANE CLOSURE

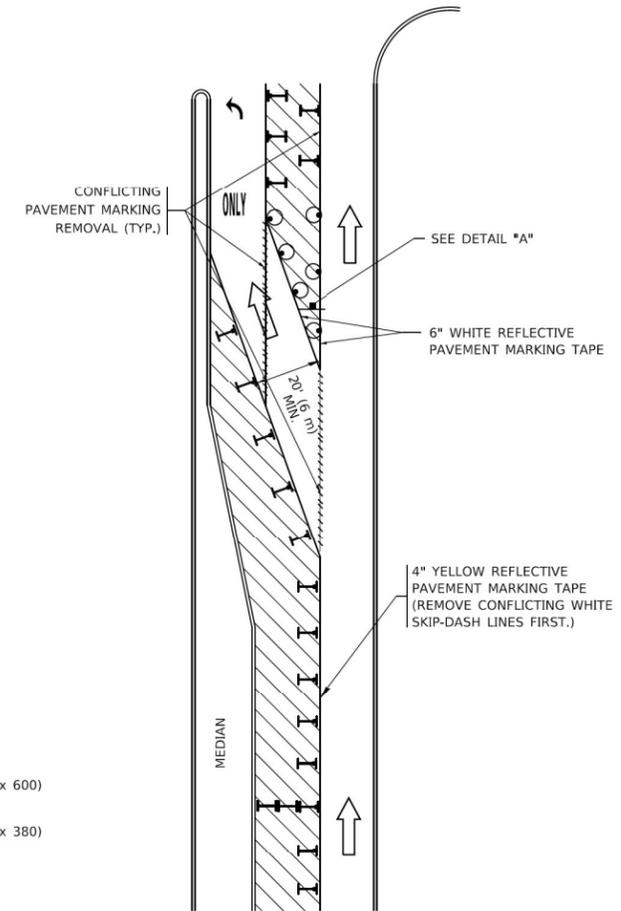
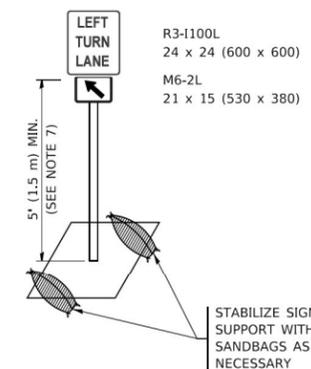


FIGURE 2



DETAIL A

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

USER NAME = footej	DESIGNED - T. RAMMACHER 09-08-94	REVISED - R. BCRO 09-14-09
DRAWN - A. HOUSEH 11-07-95	REVISOR - A. SCHUETZE 07-01-13	
PLOT SCALE = 30,0000' / in.	CHECKED - A. HOUSEH 10-12-96	REVISED - A. SCHUETZE 09-15-16
PLOT DATE = 3/4/2019	DATE - T. RAMMACHER 01-06-00	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC)			
SCALE: NONE	SHEET 1 OF 1 SHEETS	STA. TO STA.	

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	TC-14			
ILLINOIS FED. AID PROJECT				



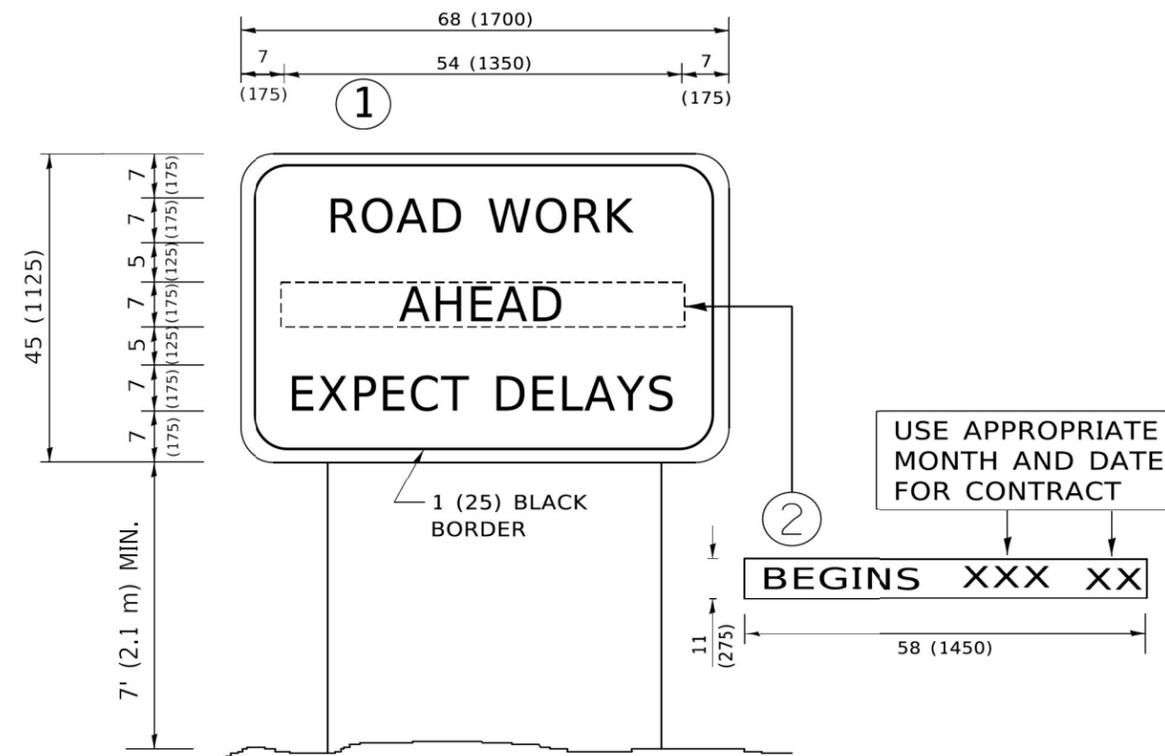
USER NAME = amalla.baymundo	DESIGNED - AMB	REVISED -
DRAWN - AMB	REVISOR -	
PLOT SCALE = 0.2000' / in.	CHECKED - MM	REVISED -
PLOT DATE = 8/18/2023	DATE - 08/18/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL AND PROTECTION AT TURB BAYS (TO REMAIN OPEN TO TRAFFIC)			
SCALE: N.T.S.	SHEET 7 OF 9 SHEETS	STA. TO STA.	

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	FAP 0348 22 BJ	COOK	40	38
ILLINOIS FED. AID PROJECT				

MODEL: Default
FILE NAME: D:\125522\ch10\standard_07.dwg
US: 09/18/2023 10:36:01 AM User: footej



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.

USER NAME = f00temj	DESIGNED -	REVISED - R. MIRS 09-15-97
PLOT SCALE = 30,0000' / 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.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	TC-22			
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

MODEL: Default
FILE NAME: D:\125522\ch101\standard_08.dgn



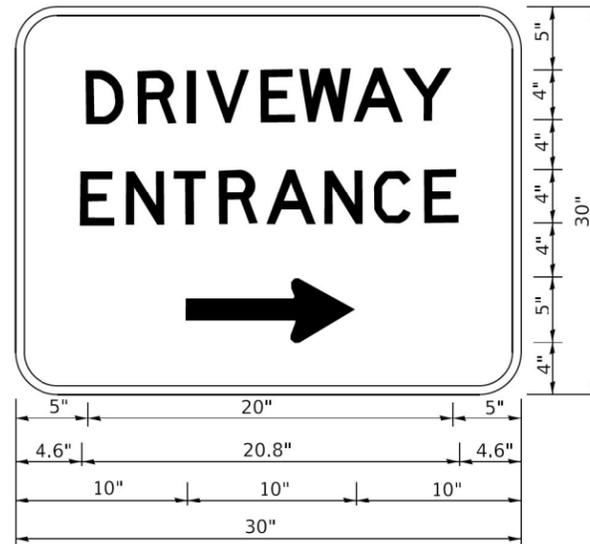
USER NAME = amalla,baymundo	DESIGNED - AMB	REVISED -
PLOT SCALE = 0.2000' / in.	DRAWN - AMB	REVISED -
PLOT DATE = 8/18/2023	CHECKED - MM	REVISED -
	DATE - 08/18/2023	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ADDITIONAL ROAD
INFORMATION SIGN**

SCALE: N.T.S. SHEET 8 OF 9 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	FAP 0348 22 BJ	COOK	40	39
CONTRACT NO.		62T18		
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".

USER NAME = leysa	DESIGNED -	REVISED -	C. JUCIUS 02-15-07
DRAWN -	CHECKED -	REVISED -	
PLOT SCALE = 30,0000' / in.			
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. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	TC-26			
				CONTRACT NO.
				ILLINOIS FED. AID PROJECT

MODEL: Default
 FILE NAME: D:\125522\ch1\standard_09.dgn

HNTB

USER NAME = amalle.baymundo	DESIGNED -	REVISED -	
DRAWN -	CHECKED -	REVISED -	
PLOT SCALE = 0.2000' / in.			
PLOT DATE = 8/18/2023	DATE -	REVISED -	

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

DRIVEWAY ENTRANCE SIGNING

SCALE: N.T.S. SHEET 9 OF 9 SHEETS STA. TO STA.

F.A. P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	FAP 0348 22 BJ	COOK	40	40
				CONTRACT NO. 62T18
				ILLINOIS FED. AID PROJECT