

STATE OF ILLINOIS

DEPARTMENT OF TRANSPORTATION

PROPOSED HIGHWAY PLANS

F.A.P. ROUTE 0347 (ROOSEVELT ROAD) OVER IHB RAILROAD & GARDNER ROAD

SECTION FAP 0347 22 BJ

PROJECT NHPP-STP-H4D0(269)

BRIDGE DECK OVERLAY

AND JOINT REPAIR (STRUCTURE NO. 016-0962)

COOK COUNTY

FOR INDEX OF SHEETS, SEE SHEET NO. 2

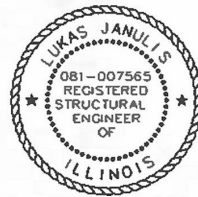
IMPROVEMENT IS LOCATED IN THE VILLAGE OF BROADVIEW AND THE VILLAGE OF WESTCHESTER

TRAFFIC DATA

2022 ADT = 25,000

POSTED SPEED LIMIT = 30 MPH

FUNCTIONAL CLASS = OTHER PRINCIPAL ARTERIAL



EXPIRES NOV. 30, 2024

SIGNATURE

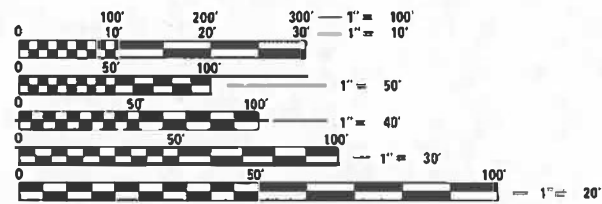
DATE



EXPIRES NOV. 30, 2023

SIGNATURE

DATE



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: PRAVEEN KAINI, P.E. (847-705-4237)

PROJECT MANAGER: J. ALAIN MIDY, P.E. (847-221-3056)

CONTRACT NO. 62T14

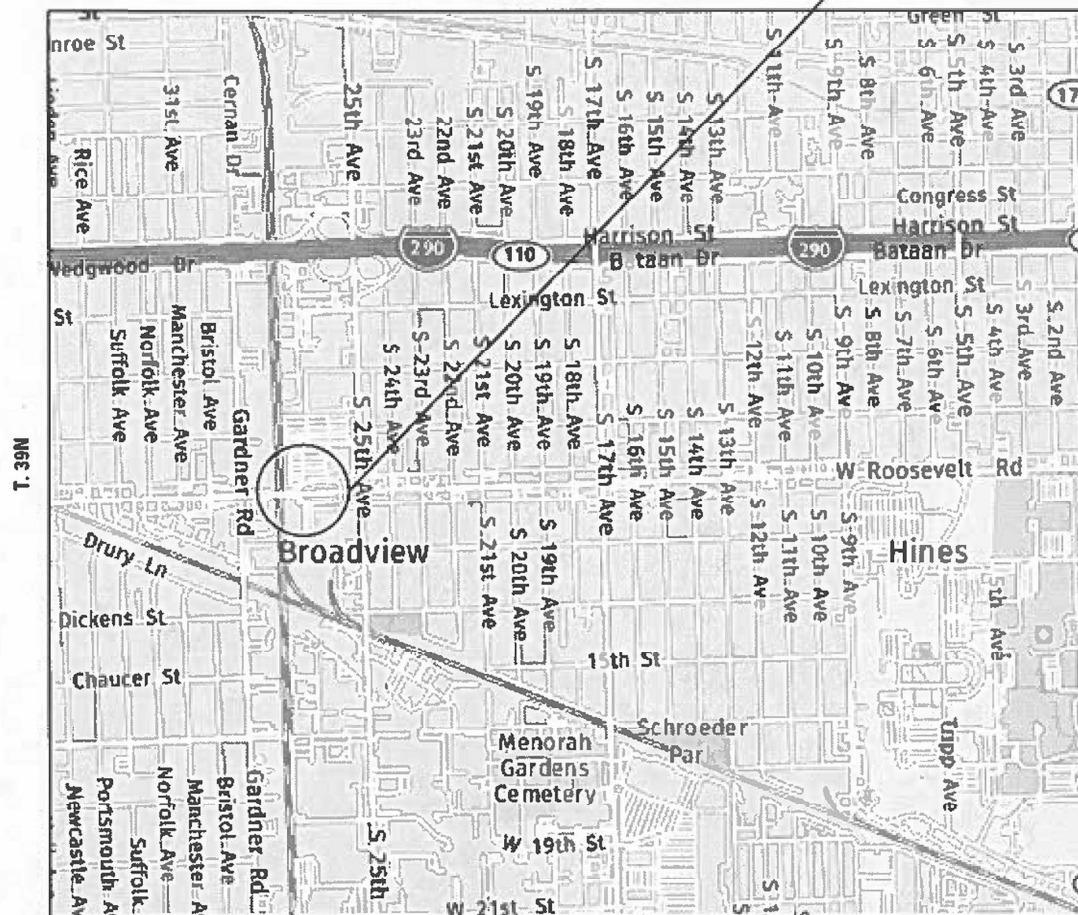
Table with columns: F.A.P. RTE., SECTION, COUNTY, TOTAL SHEETS, SHEET NO.

D-91-247-22



C-91-300-22 R. 12E

PROJECT LOCATION STRUCTURE NO. 016-0962



LOCATION MAP

GROSS LENGTH = 1300 FT. = 0.25 MILE

NET LENGTH = 1300 FT. = 0.25 MILE



STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

SUBMITTED October 17, 2023. Regional Engineer and Director of Highways Project Implementation signatures and dates.

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

INDEX OF SHEETS

1	COVER SHEET
2	INDEX OF SHEETS, HIGHWAY STANDARDS, AND GENERAL NOTES
3-4	SUMMARY OF QUANTITIES
5-6	TYPICAL SECTIONS
7-9	ROADWAY PLAN
10-18	MAINTENANCE OF TRAFFIC
19-22	PAVEMENT MARKING PLAN
23	GENERAL PLAN AND ELEVATION
24	GENERAL DATA
25	STAGE CONSTRUCTION DETAILS
26-27	DECK PLAN REPAIRS
28	EXPANSION JOINT REPAIR
29-30	PERFORMED JOINT STRIP SEAL SIDEWALK
31	BAR SPLICER ASSEMBLY
32-34	SUBSTRUCTURE REPAIRS
35	D1 STANDARD DETAIL - BD-24: CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT DETAIL
36	D1 STANDARD DETAIL - BD-32: BUTT JOINT AND HMA TAPER DETAILS
37	D1 STANDARD DETAIL - TC-10: TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS
38	D1 STANDARD DETAIL - TC 11: TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)
39	D1 STANDARD DETAIL - TC-13: DISTRICT ONE TYPICAL PAVEMENT MARKINGS
40	D1 STANDARD DETAIL - TC-16: SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS
41	D1 STANDARD DETAIL - TC-22: ARTERIAL ROAD INFORMATION SIGN
42	D1 STANDARD DETAIL - TC-26: DRIVEWAY ENTRANCE SIGNING

HIGHWAY STANDARDS

000001-08	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
606001-08	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
701006-05	OFF-RD OPERATIONS, 2L, 2W, 15' (4.5m) TO 24" (600mm) FROM PAVEMENT EDGE
701101-05	OFF-RD OPERATIONS, MULTILANE, 15' (4.5m) TO 24" (600mm) FROM PAVEMENT EDGE
701311-03	CLOSURE 2L, 2W MOVING OPERATIONS - DAY ONLY
701427-05	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATIONS, FOR SPEEDS <= 40 MPH
701501-06	URBAN LANE CLOSURE, 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
701901-09	TRAFFIC CONTROL DEVICES
704001-08	TEMPORARY CONCRETE BARRIER
782006-01	GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS

IDOT DISTRICT 1 STANDARD DETAILS

STANDARD NO.	DESCRIPTION
BD - 24	CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT DETAIL
BD - 32	BUTT JOINT AND HMA TAPER DETAILS
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	DISTRICT ONE TYPICAL PAVEMENT MARKINGS
TC - 16	SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS
TC - 22	ARTERIAL ROAD INFORMATION SIGN
TC - 26	DRIVEWAY ENTRANCE SIGNING

HMA MIXTURE REQUIREMENTS

MIXTURE TYPE	AIR VOIDS @ NDES	QUALITY MANAGEMENT PROGRAM (QMP)
HMA OVERLAY AND BUTT JOINT - ROOSEVELT ROAD		
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "E", N70, 1¾"	4% AT 70 GYR.	QC/QA
HMA OVERLAY - FRONTAGE ROAD RESURFACING		
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "E", N70, 2"	4% AT 70 GYR.	QC/QA
HMA BINDER AND OVERLAY - FRONTAGE ROAD RESURFACING		
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "E", N70, 1¾"	4% AT 70 GYR.	QC/QA
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 2½"	4% AT 70 GYR.	QC/QA
CLASS D PATCHES		
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	4% AT 70 GYR.	QC/QA
QMP DESIGNATIONS: QUALITY CONTROL/QUALITY ASSURANCE (QC/QA);		

- THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MIXTURE QUANTITIES IS 112 LBS/SQYD/IN.
- 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.

GENERAL NOTES

- BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "C.U.A.N. (CHICAGO UTILITY ALERT NETWORK) AT (312) 744-7000 FOR FIELD LOCATIONS OF BURIED ELECTRIC TELEPHONE AND GAS FACILITIES (48 HOUR NOTIFICATION REQUIRED).
- THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES AND THE VILLAGE OF RIVERSIDE. THE PLANS DO NOT REPRESENT A COMPLETE DEPICTION OF ALL UTILITIES THAT MAY BE IMPACTED BY THE PROPOSED WORK. THE CONTRACTOR SHALL PERFORM AN INDEPENDENT INVESTIGATION TO DETERMINE THE OWNERSHIP OF IMPACTED UTILITIES. THE CONTRACTOR SHALL COORDINATE WITH THE UTILITY OWNERS AND MAY BE REQUIRED TO PROVIDE TEMPORARY SUPPORT. ADJUST, RELOCATE OR REMOVE UTILITIES THAT ARE IMPACTED BY THE PROPOSED IMPROVEMENT. THIS SHALL BE INCLUDED IN THE LUMP SUM BID PRICE.
- THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
- REINFORCEMENT BARS DESIGNATED (E) SHALL BE EPOXY COATED.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
- THESE PLANS HAVE BEEN PREPARED FROM NOTES RECEIVED FROM THE BUREAU OF MAINTENANCE, BRIDGE SECTION.
- THE CONTRACTOR SHALL TAKE EXTREME CARE WHEN PERFORMING DEMOLITION AND REMOVAL AROUND THE EXITING FACILITIES TO REMAIN IN PLACE. IF EXISTING ELEMENTS ARE DAMAGED, THE CONTRACTOR SHALL REPAIR/RESTORE TO MATCH THE EXISTING CONDITIONS OR BETTER.
- BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL RETAIN AND RECORD FOR FUTURE REFERENCES, ALL EXISTING PAVEMENT MARKING LINES (AND RAISED REFLECTIVE PAVEMENT MARKERS) IN ORDER THAT THESE LOCATIONS CAN BE RE-ESTABLISHED FOR STRIPING. EXACT LOCATIONS OF ALL PAVEMENT MARKINGS SHALL BE AS DIRECTED BY THE ENGINEER.
- ALL DAMAGE TO EXISTING PAVEMENT MARKING OUTSIDE THE REMOVAL LINE SHOWN ON THE PLANS SHALL BE REPLACED AT THE CONTRACTORS EXPENSE. NO ADDITIONAL COST TO THE DEPARTMENT.
- DRAINAGE ADJUSTMENT OR RECONSTRUCTION LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
- 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.
- THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTY AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.
- DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.
- FRAMES AND GRATES ADJUSTMENT OF PRIVATE UTILITIES WITHIN THE LIMITS OF THE IMPROVEMENTS SHALL BE DONE BY THEIR RESPECTIVE OWNERS AND ARE NOT PART OF THIS CONTRACT.
- THE CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL LOGS, SHRUBS, BUSHES, SAPLINGS, UNDERBRUSH OR DEBRIS ACCORDING TO SECTION 201 OF THE STANDARD SPECIFICATIONS AT LOCATIONS REQUIRING ACCESS TO THE SUBSTRUCTURE. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT THE COST SHALL BE CONSIDERED AS INCLUDED IN THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- THE DEPARTMENT HAS DETERMINED THAT IN STREAM WORK IS NOT REQUIRED FOR THE WORK SPECIFIED IN THIS CONTRACT. THE DEPARTMENT HAS NOT OBTAINED A 404 PERMIT, IF THE CONTRACTOR CHOOSES TO USE ACTIVITIES REQUIRING AN USACE 404 PERMIT IT IS THE CONTRACTOR'S RESPONSIBILITY TO SECURE THE PROPER USACE PERMITS.
- TWO WEEKS PRIOR TO THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS, THE ENGINEER SHALL CONTACT MR. EMAD ALHUSSEINI, AREA TRAFFIC FIELD ENGINEER, AT EMAD.ALHUSSEINI@ILLINOIS.GOV.
- THE CONTRACTOR SHALL NOTIFY PACE'S TRANSPORTATION ENGINEER AT (847) 228-3584 AT LEAST TWO WEEKS IN ADVANCE OF THE BEGINNING OF CONSTRUCTION.

MODEL: Default
FILE NAME: C:\Users\mwanestor\OneDrive\Engineering\neestlic.com\Orion Admin - 2021068 - IDOT PFB 199-0131\Work Order #7 (B2T14)\CADD\Sheet Files\B2T14\B2T14-ht-geomote.dgn



USER NAME = mvanwest	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 2.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 11/20/2023	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS, STATE STANDARDS AND GENERAL NOTES			
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS
0347	FAP 0347 22 BJ	COOK	42
			SHEET NO. 2
CONTRACT NO. 62T14			
SCALE:	SHEET	OF SHEETS	STA. TO STA.
		ILLINOIS	FED. AID PROJECT

SP	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
					URBAN	
					80% FED 20% STATE	
					BRIDGE 0059	ROADWAY 0005
	21101605	TOPSOIL FURNISH AND PLACE, 2"	SQ YD	178		178
	25000110	SEEDING, CLASS 1A	ACRE	0.04		0.04
	25100630	EROSION CONTROL BLANKET	SQ YD	178		178
	35101598	AGGREGATE BASE COURSE, TYPE B 3"	SQ YD	38	38	
	40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	2329	402	1927
	40600370	LONGITUDINAL JOINT SEALANT	FOOT	1568		1568
	40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	10	2	8
	40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	302	302	
	40603085	HOT-MIX ASPHALT BINDER COURSE, 1L-19.0, N70	TON	46		46
	40604172	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, 1L-9.5, MIX "E", N70	TON	493	88	405
	42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	420	420	
	44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SQ YD	3810		3810
	44000165	HOT-MIX ASPHALT SURFACE REMOVAL, 4"	SQ YD	361		361
	44000600	SIDEWALK REMOVAL	SQ FT	420	420	
	44201741	CLASS D PATCHES, TYPE II, 8 INCH	SQ YD	150		150
	44201745	CLASS D PATCHES, TYPE III, 8 INCH	SQ YD	100		100
	50102400	CONCRETE REMOVAL	CU YD	50.3	50.3	
	50157300	PROTECTIVE SHIELD	SQ YD	2054	2054	

SP	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
					URBAN	
					80% FED 20% STATE	
					BRIDGE 0059	ROADWAY 0005
	50300255	CONCRETE SUPERSTRUCTURE	CU YD	52.1	52.1	
	50300300	PROTECTIVE COAT	SQ YD	4378	4378	
	50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	6800	6800	
	50800515	BAR SPLICERS	EACH	70	70	
	52000110	PREFORMED JOINT STRIP SEAL	FOOT	290	290	
	60250400	CATCH BASINS TO BE ADJUSTED WITH NEW TYPE 1 FRAME, OPEN LID	EACH	1		1
	60253000	CATCH BASINS TO BE RECONSTRUCTED WITH NEW TYPE 1 FRAME, OPEN LID	EACH	1		1
	60261540	INLETS TO BE ADJUSTED WITH NEW TYPE 24 FRAME AND GRATE	EACH	4	4	
	67100100	MOBILIZATION	L SUM	1	0.9	0.1
	70107025	CHANGEABLE MESSAGE SIGN	CAL DA	180	180	
	70300100	SHORT TERM PAVEMENT MARKING	FOOT	939	939	
	70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	3442	3442	
	70307120	TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE	FOOT	9387	9387	
	70400100	TEMPORARY CONCRETE BARRIER	FOOT	1059	1059	
	70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	1059	1059	
	70600241	IMPACT ATTENUATORS, TEMPORARY (NON- REDIRECTIVE, NARROW), TEST LEVEL 2	EACH	2	2	
	70600341	IMPACT ATTENUATORS, RELOCATE (NON- REDIRECTIVE, NARROW), TEST LEVEL 2	EACH	2	2	
	78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	36	36	

**

** SPECIALTY ITEM

MODEL: Default
FILE NAME: C:\Users\npatel\OneDrive\Engineering\Illinois\62T14\CADD\Sheet Files\62T14-sh-500.dgn
IDOT_PTB_199-013\Work Order #7 (62T14)\CADD\Sheet Files\62T14-sh-500.dgn



USER NAME = npatel	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 2.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 10/20/2023	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

F.A.P. 347 (ROOSEVELT RD) OVER IHB RAILROAD & GARDNER RD

SCALE: SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0347	FAP 0347 22 BJ	COOK	42	3
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62T14	

MODEL: Default
FILE NAME: C:\Users\npatel\OneDrive\Engineering\Illinois\Orion Admin - 2021.008 - IDOT PTB 199-013\Work Order #7 (62T14)\CADD\Sheet Files\62T14-sh-602.dgn

SP	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	URBAN		CONSTRUCTION CODE	
					80% FED	20% STATE	BRIDGE	ROADWAY
							0059	0005
**	78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	3532			016-0962	
**	78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	192				
**	78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	57				
**	78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	40				
**	78004635	PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - STANDARD - LINE 7"	FOOT	407				
**	78009004	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	FOOT	3252				
**	78011040	GROOVING FOR RECESSED PAVEMENT MARKING 8"	FOOT	407				
**	78200011	BARRIER WALL REFLECTORS, TYPE C	EACH	85				
	78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	83				
	78300201	PAVEMENT MARKING REMOVAL - GRINDING	SQ FT	745				
	78300202	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	774				
□	* X0322215	CLEANING BRIDGE SCUPPERS AND DOWNSPOUTS	EACH	10				
	* X0326766	CLEAN & RESEAL RELIEF JOINT	FOOT	90				
	* X4400503	COMBINATION CURB AND GUTTER REMOVAL AND REPLACEMENT GREATER THAN 10 FEET	FOOT	897	360	537		
	* X5030250	BRIDGE DECK GROOVING (LONGITUDINAL)	SQ YD	4347				
	* X6700407	ENGINEER'S FIELD OFFICE, TYPE A (D1)	CAL MO	12	11	1		
	* X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	0.9	0.1		

SP	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	URBAN		CONSTRUCTION CODE	
					80% FED	20% STATE	BRIDGE	ROADWAY
							0059	0005
*	X7830050	RAISED REFLECTIVE PAVEMENT MARKER, REFLECTOR REMOVAL	EACH	123			016-0962	
**	* X7830052	RAISED REFLECTIVE PAVEMENT MARKER, REFLECTOR REPLACEMENT	EACH	123				
**	* X8860105	DETECTOR LOOP REPLACEMENT	FOOT	50				50
	* Z0001800	APPROACH SLAB REPAIR (PARTIAL DEPTH)	SQ YD	14				14
	* Z0006016	BRIDGE DECK LATEX CONCRETE OVERLAY, 2 3/4 INCHES	SQ YD	4261				4261
	* Z0012130	BRIDGE DECK SCARIFICATION 3/4"	SQ YD	4261				4261
	* Z0012754	STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5 INCHES)	SQ FT	1171				1171
	* Z0012755	STRUCTURAL REPAIR OF CONCRETE (DEPTH GREATER THAN 5 INCHES)	SQ FT	18				18
	* Z0015500	DEBRIS REMOVAL	L SUM	1	0.9	0.1		
	* Z0016001	DECK SLAB REPAIR (FULL DEPTH, TYPE 1)	SQ YD	2				2
	* Z0018051	DRAINAGE SCUPPERS TO BE ADJUSTED	EACH	10				10
□	* Z0018500	DRAINAGE STRUCTURES TO BE CLEANED	EACH	15	4	11		
	* Z0029090	DIAMOND GRINDING (BRIDGE SECTION)	SQ YD	4030				4030
	* Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	51.4				51.4
	* Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1	0.9	0.1		
	* Z0038115	PORTLAND CEMENT CONCRETE SURFACE REMOVAL 1/2"	SQ YD	570				570
	* Z0038121	PORTLAND CEMENT CONCRETE SURFACE REMOVAL 2"	SQ YD	107				107

□ NON-PART 100% STATE ** SPECIALTY ITEM



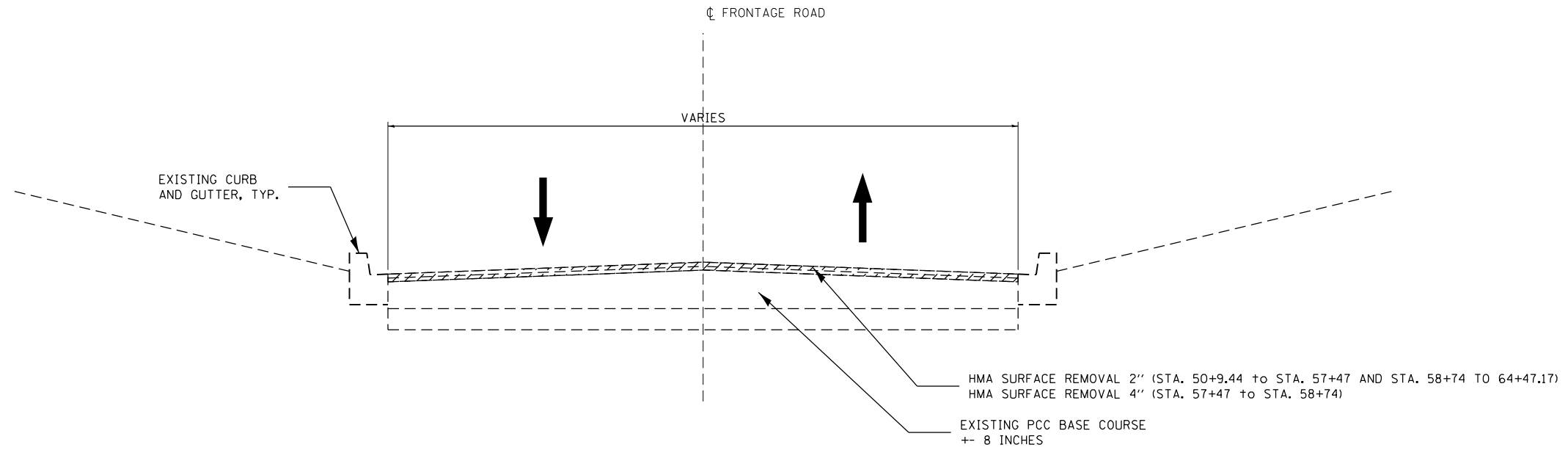
USER NAME = npatel	DESIGNED -	REVISED -
PLOT SCALE = 2.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 10/20/2023	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES
F.A.P. 347 (ROOSEVELT RD) OVER IHB RAILROAD & GARDNER RD**

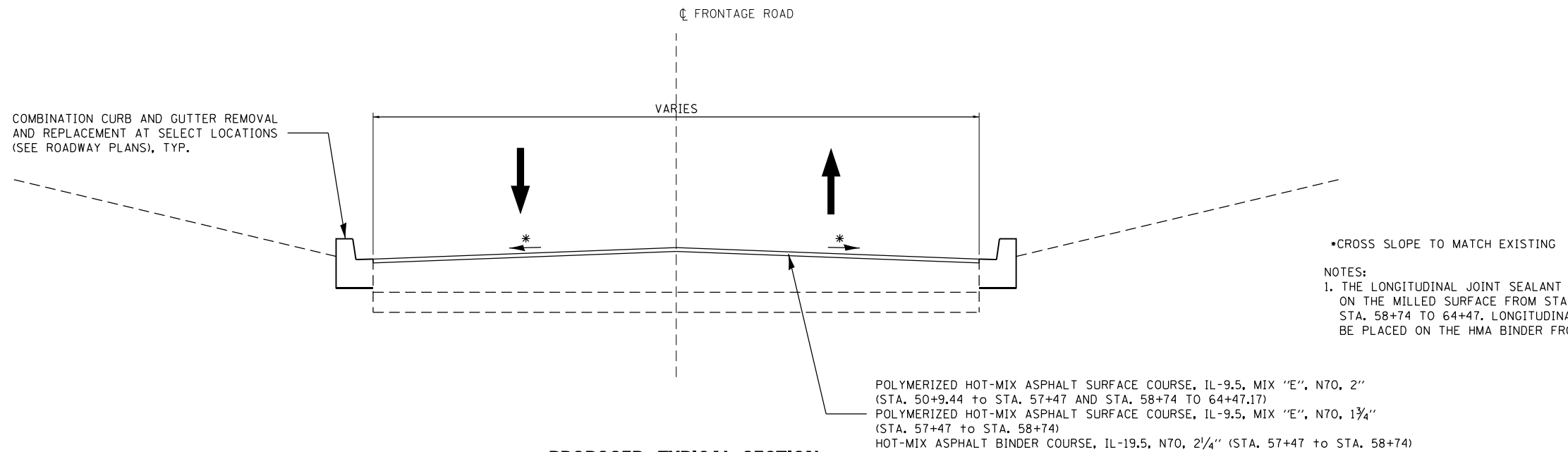
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0347	FAP 0347 22 BJ	COOK	42	4
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62T14	

SCALE: SHEET 2 OF 2 SHEETS STA. TO STA.



**EXISTING TYPICAL SECTION
FRONTAGE ROAD**

(STA. 50+9.44 TO 64+47.17)



**PROPOSED TYPICAL SECTION
FRONTAGE ROAD**

(STA. 50+9.44 TO 64+47.17)

- CROSS SLOPE TO MATCH EXISTING
- NOTES:
1. THE LONGITUDINAL JOINT SEALANT SHALL BE PLACED ON THE MILLED SURFACE FROM STA. 50+9 TO 57+47 AND STA. 58+74 TO 64+47. LONGITUDINAL JOINT SEALANT SHALL BE PLACED ON THE HMA BINDER FROM STA. 57+47 TO 58+74.

MODEL: Default
FILE NAME: C:\Users\mwanwest\OneDrive\OneDrive\Illinois\627114\11\Work\Orders\#7 (627114)\CADD\Sheet Files\627114\11\11-11-23\Typ - 1.dgn



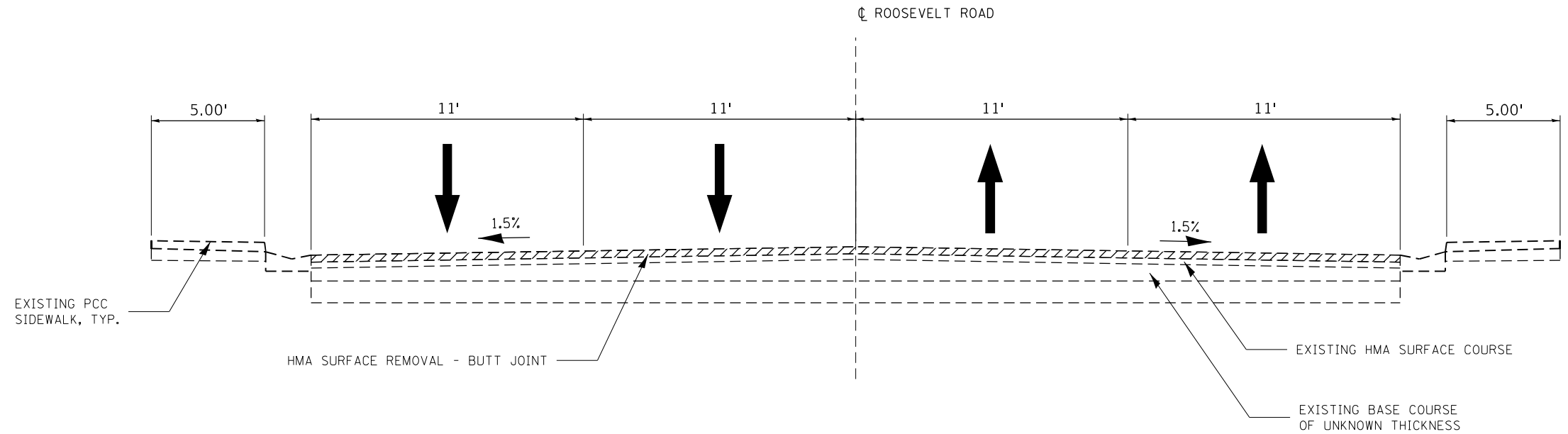
USER NAME = mwanwest	DESIGNED -	REVISED -
PLOT SCALE = 40,0000 * / in.	DRAWN -	REVISED -
PLOT DATE = 11/20/2023	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

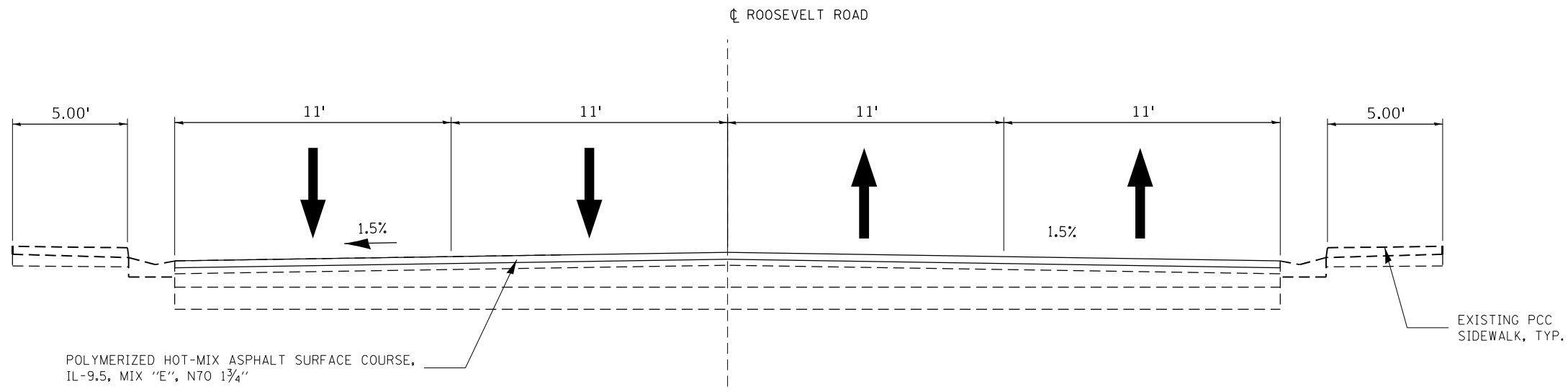
TYPICAL SECTIONS – FRONTAGE ROAD
F.A.P. 347 (ROOSEVELT RD) OVER IHB RAILROAD & GARDNER RD

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0347	FAP 0347 22 BJ	COOK	42	5
CONTRACT NO. 62T14				
ILLINOIS FED. AID PROJECT				

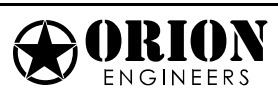


**EXISTING TYPICAL SECTION
ROOSEVELT ROAD**
(STA. 18+99.95 TO 28+92.86)



**PROPOSED TYPICAL SECTION
ROOSEVELT ROAD**
(STA. 18+99.95 TO 28+92.86)

MODEL: Default
 FILE NAME: C:\Users\npatel\OneDrive\Engineering\Orion\62T14\Work Order #7 (62T14)\CADD\Sheet Files\62T14.dwg - 2.dgn
 2021.008 - IDOT P/B 19A-013\Work Order #7 (62T14)\CADD\Sheet Files\62T14.dwg - 2.dgn



USER NAME = npatel	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 6,000' / in.	CHECKED -	REVISED -
PLOT DATE = 10/19/2023	DATE -	REVISED -

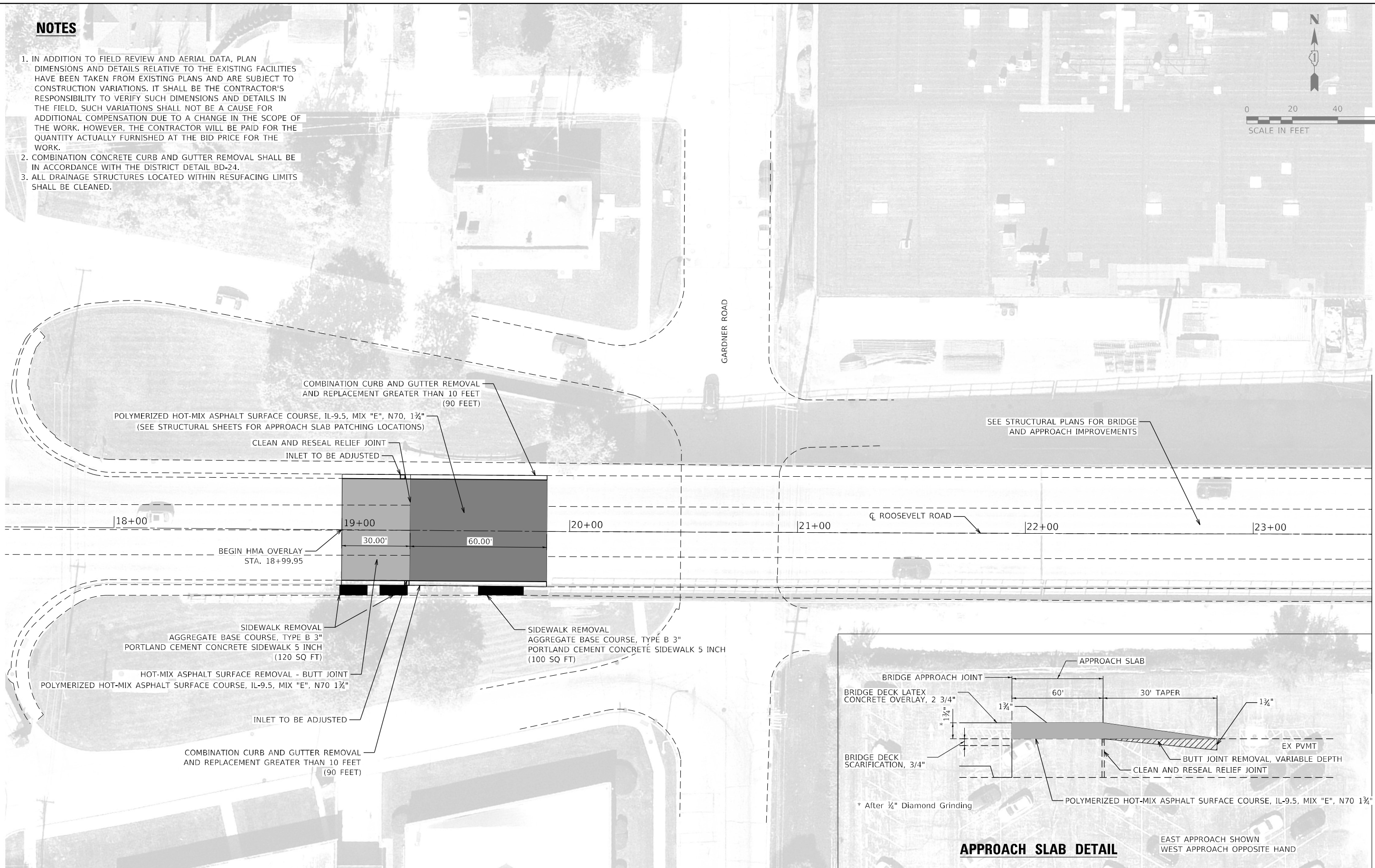
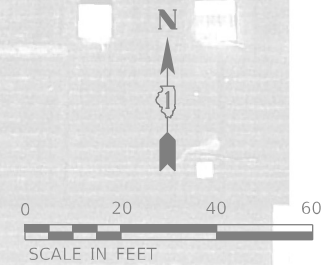
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTIONS - ROOSEVELT ROAD				
F.A.P. 347 (ROOSEVELT RD) OVER IHB RAILROAD & GARDNER RD				
SCALE:	SHEET	OF	SHEETS	STA. TO STA.

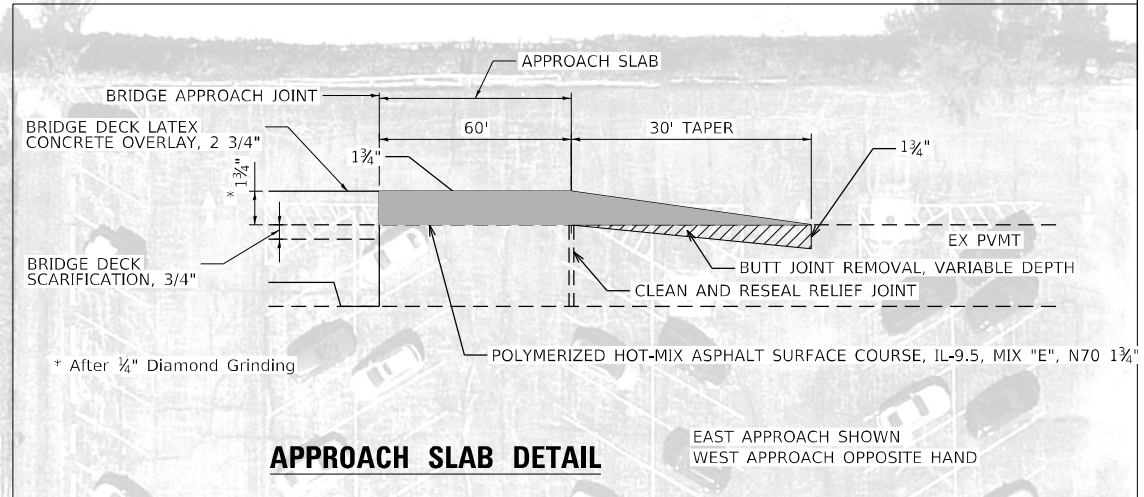
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0347	FAP 0347 22 BJ	COOK	42	6
CONTRACT NO. 62T14				
ILLINOIS FED. AID PROJECT				

NOTES

1. IN ADDITION TO FIELD REVIEW AND AERIAL DATA, PLAN DIMENSIONS AND DETAILS RELATIVE TO THE EXISTING FACILITIES HAVE BEEN TAKEN FROM EXISTING PLANS AND ARE SUBJECT TO CONSTRUCTION VARIATIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY SUCH DIMENSIONS AND DETAILS IN THE FIELD. SUCH VARIATIONS SHALL NOT BE A CAUSE FOR ADDITIONAL COMPENSATION DUE TO A CHANGE IN THE SCOPE OF THE WORK. HOWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY ACTUALLY FURNISHED AT THE BID PRICE FOR THE WORK.
2. COMBINATION CONCRETE CURB AND GUTTER REMOVAL SHALL BE IN ACCORDANCE WITH THE DISTRICT DETAIL BD-24.
3. ALL DRAINAGE STRUCTURES LOCATED WITHIN RESURFACING LIMITS SHALL BE CLEANED.



MATCHLINE STA. 23+52



APPROACH SLAB DETAIL

EAST APPROACH SHOWN
WEST APPROACH OPPOSITE HAND

MODEL: Default
FILE NAME: C:\Users\mwest\Documents\orion\Illinois\2021008 - IDOT P7B_199-013\Work_Order_#7_62T114\ICADD\Sheet_Files\62T114-ICADD.dwg-1.dgn



USER NAME = mvalwest	DESIGNED -	REVISED -
PLOT SCALE = 40,0012 * / in.	DRAWN -	REVISED -
PLOT DATE = 11/20/2023	CHECKED -	REVISED -
	DATE -	REVISED -

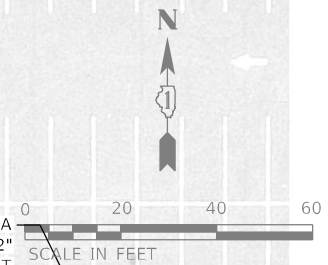
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY PLAN (1 OF 3)			
F.A.P. 347 (ROOSEVELT RD) OVER IHB RAILROAD & GARDNER RD			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0347	FAP 0347 22 BJ	COOK	42	7
CONTRACT NO. 62T14				
ILLINOIS FED. AID PROJECT				

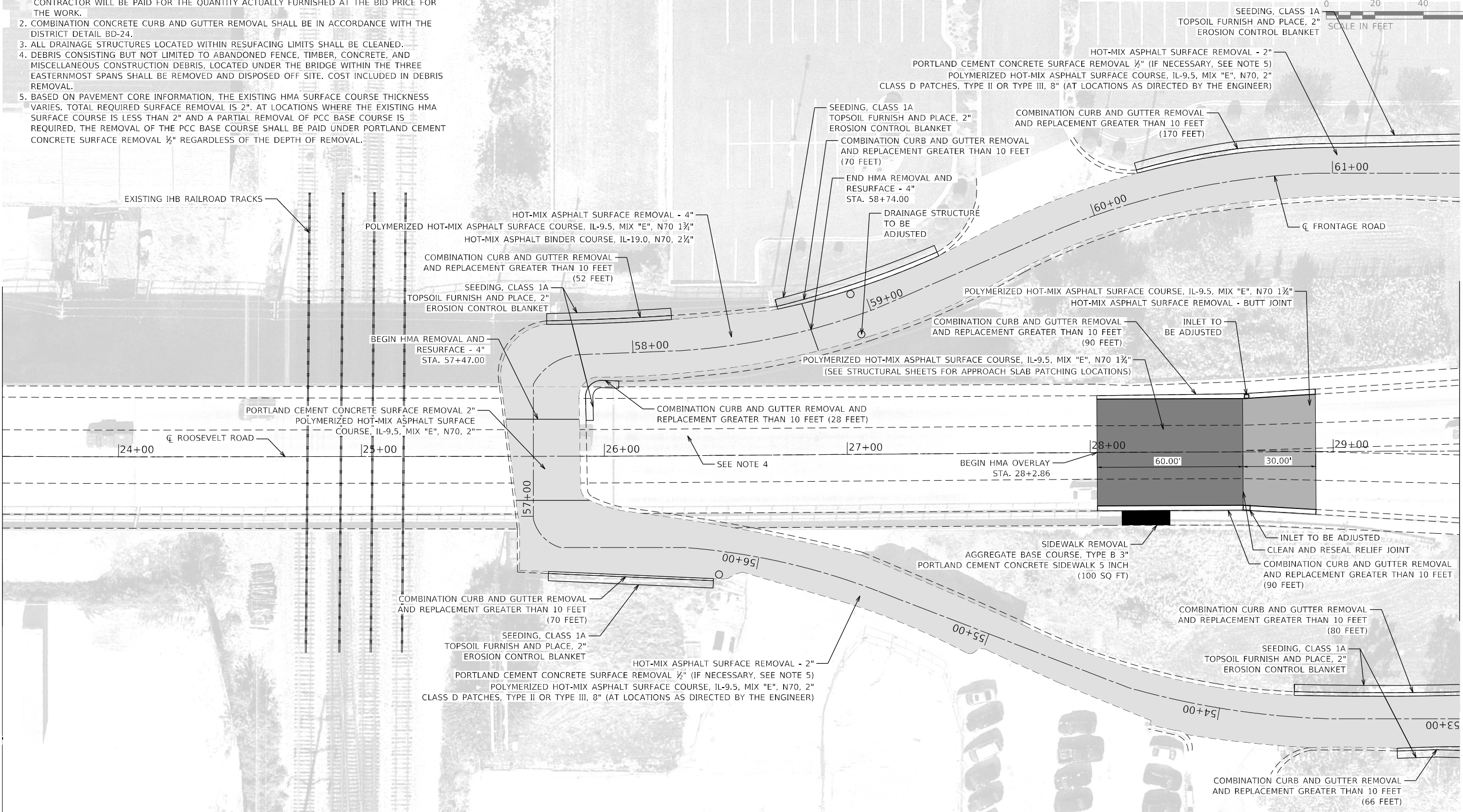
NOTES

- IN ADDITION TO FIELD REVIEW AND AERIAL DATA, PLAN DIMENSIONS AND DETAILS RELATIVE TO THE EXISTING FACILITIES HAVE BEEN TAKEN FROM EXISTING PLANS AND ARE SUBJECT TO CONSTRUCTION VARIATIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY SUCH DIMENSIONS AND DETAILS IN THE FIELD. SUCH VARIATIONS SHALL NOT BE A CAUSE FOR ADDITIONAL COMPENSATION DUE TO A CHANGE IN THE SCOPE OF THE WORK. HOWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY ACTUALLY FURNISHED AT THE BID PRICE FOR THE WORK.
- COMBINATION CONCRETE CURB AND GUTTER REMOVAL SHALL BE IN ACCORDANCE WITH THE DISTRICT DETAIL BD-24.
- ALL DRAINAGE STRUCTURES LOCATED WITHIN RESURFACING LIMITS SHALL BE CLEANED.
- DEBRIS CONSISTING BUT NOT LIMITED TO ABANDONED FENCE, TIMBER, CONCRETE, AND MISCELLANEOUS CONSTRUCTION DEBRIS, LOCATED UNDER THE BRIDGE WITHIN THE THREE EASTERNMOST SPANS SHALL BE REMOVED AND DISPOSED OFF SITE. COST INCLUDED IN DEBRIS REMOVAL.
- BASED ON PAVEMENT CORE INFORMATION, THE EXISTING HMA SURFACE COURSE THICKNESS VARIES. TOTAL REQUIRED SURFACE REMOVAL IS 2". AT LOCATIONS WHERE THE EXISTING HMA SURFACE COURSE IS LESS THAN 2" AND A PARTIAL REMOVAL OF PCC BASE COURSE IS REQUIRED, THE REMOVAL OF THE PCC BASE COURSE SHALL BE PAID UNDER PORTLAND CEMENT CONCRETE SURFACE REMOVAL ½" REGARDLESS OF THE DEPTH OF REMOVAL.



MATCHLINE STA. 23+52

MATCHLINE STA. 29+52



MODEL: Default
 FILE: NAME: C:\Users\jfanulin\Documents\engineering\files\62T14\ICADD\Sheet_Files\62T14-ICADD\62T14.dwg
 ORION Admin - 20210808 - DDOT PFB_199-0131\Work_Order_#7_62T14\ICADD\Sheet_Files\62T14-ICADD\62T14.dwg



USER NAME	= jfanulin	DESIGNED -	REVISED -
DRAWN -		REVISED -	
PLOT SCALE	= 40,0012' / in.	CHECKED -	REVISED -
PLOT DATE	= 11/22/2023	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

ROADWAY PLAN (2 of 3)
 F.A.P. 347 (ROOSEVELT RD) OVER IHB RAILROAD & GARDNER RD
 SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0347	FAP 0347 22 BJ	COOK	42	8
CONTRACT NO. 62T14				
ILLINOIS FED. AID PROJECT				

MAINTENANCE OF TRAFFIC GENERAL NOTES

1. TRAFFIC CONDITIONS, CRASHES, AND OTHER UNFORESEEN EMERGENCY CONDITIONS MAY REQUIRE THE ENGINEER TO RESTRICT, MODIFY OR REMOVE LANE CLOSURES OR CHANNELIZATION SHOWN ON THE PLANS. THE CONTRACTOR SHALL MAKE THE NECESSARY ADJUSTMENTS AS DIRECTED BY THE ENGINEER WITHOUT DELAY. COMPLIANCE WITH THIS REQUIREMENT SHALL BE CONSIDERED INCLUDED IN THE CONTRACT UNIT PRICE OF THE MAINTENANCE OF TRAFFIC ITEM. NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
2. THE MAINTENANCE OF TRAFFIC PLANS SHALL SERVE AS A GUIDE FOR THE SAFE DIVERSION OF TRAFFIC DURING EXECUTION OF THIS CONTRACT. THE CONTRACTOR MAY MODIFY THE MAINTENANCE OF TRAFFIC PLANS TO MEET CONSTRUCTION NEEDS, BUT NOT AT THE EXPENSE OF PUBLIC SAFETY OR CONVENIENCE. ANY CHANGES TO THE TRAFFIC CONTROL SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW AND APPROVAL. THE ENGINEER SHALL BE INFORMED IN WRITING A MINIMUM OF 48 HOURS IN ADVANCE OF ANY CHANGE TO THE MAINTENANCE OF TRAFFIC PLANS.
3. THE CONTRACTOR SHALL REMOVE ALL TEMPORARY OR EXISTING PAVEMENT MARKINGS THAT CONFLICT WITH THE STAGING. REMOVAL OF PAVEMENT MARKING TAPE WILL BE PAID FOR AS "SHORT TERM PAVEMENT MARKING REMOVAL" (70300150). REMOVAL OF PAVEMENT MARKINGS ON PERMANENT PAVEMENT WILL BE PAID FOR AS "PAVEMENT MARKING - WATER BLASTING".
4. THE CONTRACTOR SHALL REMOVE OR COVER ALL EXISTING SIGNS THAT CONFLICT WITH OR DO NOT APPLY TO THE REVISED TRAFFIC PATTERNS AND SHALL RESTORE THE SIGNS AT THE END OF CONSTRUCTION AS DIRECTED BY THE ENGINEER. COMPLIANCE WITH THIS REQUIREMENT SHALL BE CONSIDERED INCLUDED IN THE CONTRACT UNIT PRICE OF THE MAINTENANCE OF TRAFFIC ITEM. NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
5. THE CONTRACTOR SHALL PROVIDE 48 HOURS ADVANCE NOTICE TO THE ENGINEER OF ANY CONSTRUCTION WORK THAT MAY IMPACT ANY ROADWAY LIGHTING.
6. THE CONTRACTOR SHALL PROPERLY DISPOSE OF ANY EXISTING SIGNS REMOVED, BUT NOT RELOCATED, FROM THE PROJECT. THE CONTRACTOR SHALL PROPERLY STORE RELOCATED SIGNS AS APPROVED BY THE ENGINEER UNTIL THEY ARE PROPERLY RE-ERECTED.
7. THE "ROAD CONSTRUCTION AHEAD" SIGNS SHALL REMAIN INSTALLED UNTIL THE COMPLETION OF THE PROJECT OR WHEN NO ROADWAY HAZARDS REMAIN WITHIN THE WORK ZONE.
8. ALL EXISTING PAVEMENT MARKINGS IN CONFLICT WITH THE PAVEMENT MARKING TAPE, TYPE IV (AND/OR MODIFIED URETHANE) USED FOR STAGING SHALL BE REMOVED. THIS WORK SHALL BE PAID FOR AS "PAVEMENT MARKING REMOVAL-WATER BLASTING" WHERE ROADWAY SURFACE IS TO REMAIN, AND PAVEMENT MARKING REMOVAL GRINDING WHERE ROADWAY SURFACE IS TO BE REMOVED.
9. ALL EXISTING RAISED REFLECTIVE PAVEMENT MARKER REFLECTORS LOCATED WITHIN TEMPORARY LANE CLOSURE TAPERS, LANE SHIFT TAPERS OR IN LOCATIONS THAT CONFLICT WITH THE TEMPORARY PAVEMENT MARKING TAPE USED FOR STAGING SHALL BE REMOVED IF THE STAGING WILL REMAIN IN PLACE FOR MORE THAN 14 DAYS. THE EXISTING RAISED REFLECTIVE PAVEMENT MARKER REFLECTORS THAT WERE REMOVED SHALL BE RESTORED IN THE AREAS OUTSIDE OF THE PROPOSED RESURFACING LIMITS AFTER THE COMPLETION OF THE STAGING.
10. PAVEMENT MARKING TAPE, TYPE IV SHOWN ON THE PLANS FOR ANY CONSTRUCTION STAGE THAT THE CONTRACTOR PROPOSES TO EXTEND OVER THE WINTER PERIOD SHALL MEAN MODIFIED URETHANE PAVEMENT MARKING AND WILL BE PAID FOR AT THEIR RESPECTIVE CONTRACT UNIT PRICE.
11. CHANGEABLE MESSAGE SIGNS SHALL BE INSTALLED TWO WEEKS PRIOR TO ALL TRAFFIC STAGE CHANGES ON EACH APPROACH OF THE EFFECTED 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.

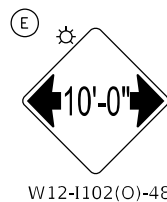
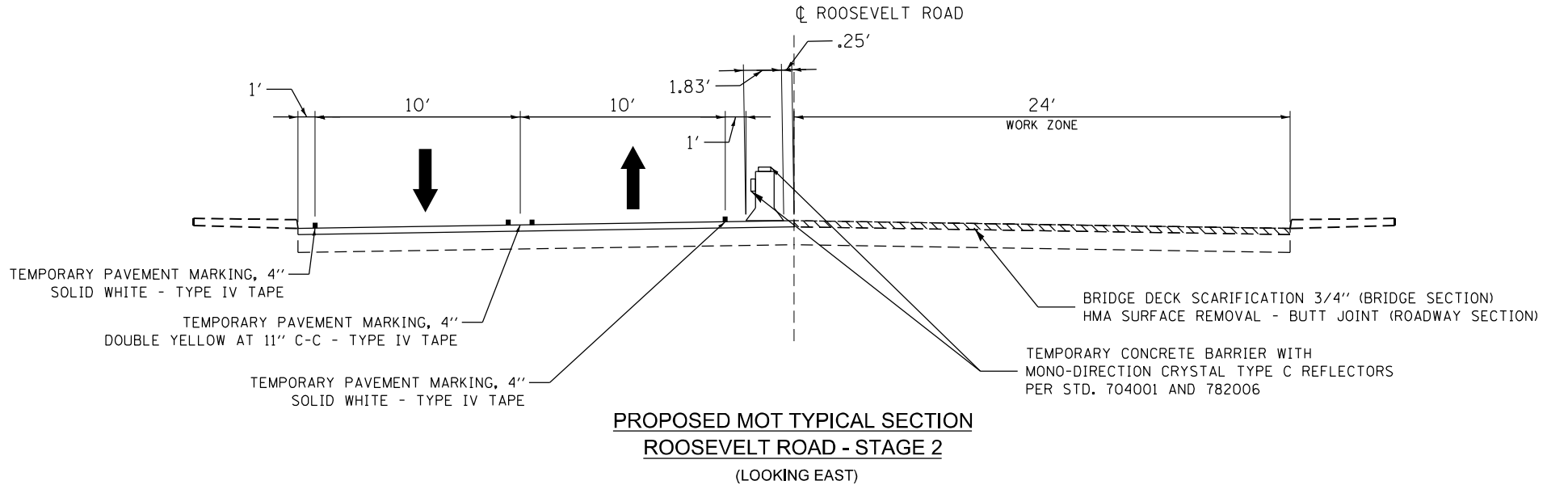
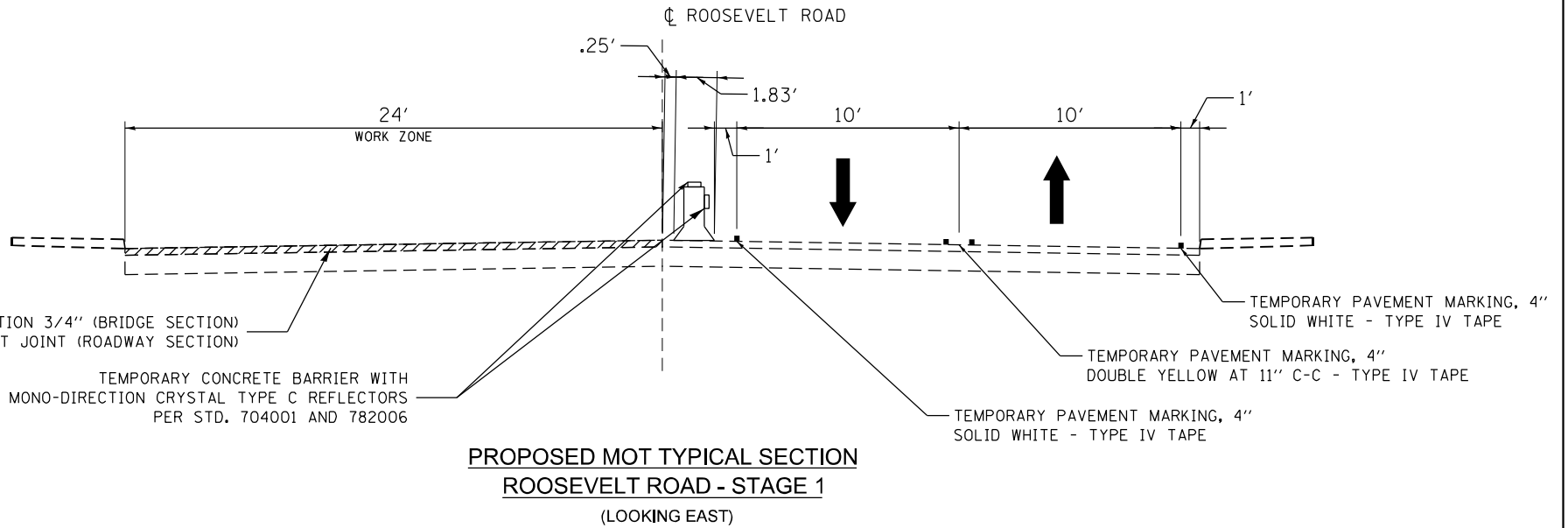
SUGGESTED SEQUENCE OF CONSTRUCTION

STAGE 1 NOTES:

1. ERECT TEMPORARY CONSTRUCTION SIGNS FOR STAGE 1.
2. INSTALL TEMPORARY MOT FOR STAGE 1 REPAIR WORK ON BRIDGE.
3. CONSTRUCTION FOR STAGE 1: BRIDGE DECK HYDRO-SCARIFICATION, BRIDGE DECK CONCRETE OVERLAY, JOINT RECONSTRUCTION, PARTIAL DEPTH AND FULL DEPTH PAVEMENT, APPROACH SLAB REPAIRS AND SUBSTRUCTURE REPAIRS.

STAGE 2 NOTES:

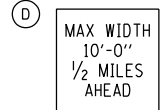
1. ERECT TEMPORARY CONSTRUCTION SIGNS FOR STAGE 2.
2. INSTALL TEMPORARY MOT FOR STAGE 2 REPAIR WORK ON BRIDGE.
3. CONSTRUCTION FOR STAGE 2: BRIDGE DECK HYDRO-SCARIFICATION, BRIDGE DECK CONCRETE OVERLAY, JOINT RECONSTRUCTION, PARTIAL DEPTH AND FULL DEPTH PAVEMENT, APPROACH SLAB REPAIRS AND SUBSTRUCTURE REPAIRS.



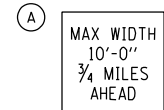
W12-1102(O)-48



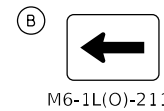
M6-1R(O)-2115



W12-1103(O)-48

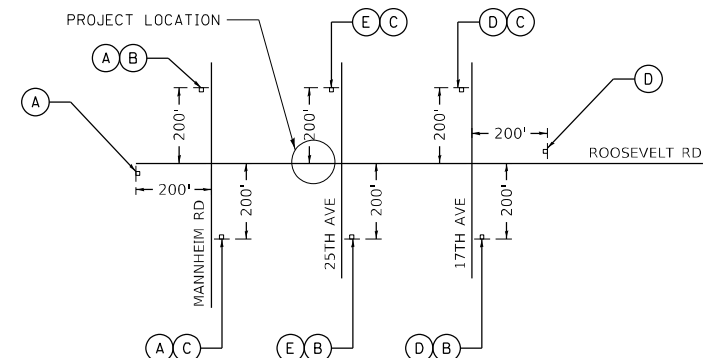


W12-1103(O)-48



M6-1L(O)-2115

WIDTH RESTRICTION SIGNING ROOSEVELT RD TRAFFIC FOR STAGE I & II



MODEL: Definit FILE NAME: C:\Users\matt\OneDrive\Engineering\ORION\Admin - 2021.008 - IDOT_PTB_199-013\Work Order #7 (62T114)\CADD\Sheet Files\62T114-Sub-062419 - 1.dgn



USER NAME = npatel	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 6,000' / in.	CHECKED -	REVISED -
PLOT DATE = 10/19/2023	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**






**MAINTENANCE OF TRAFFIC - TYPICAL SECTIONS AND GENERAL NOTES
F.A.P. 347 (ROOSEVELT RD) OVER IHB RAILROAD & GARDNER RD**

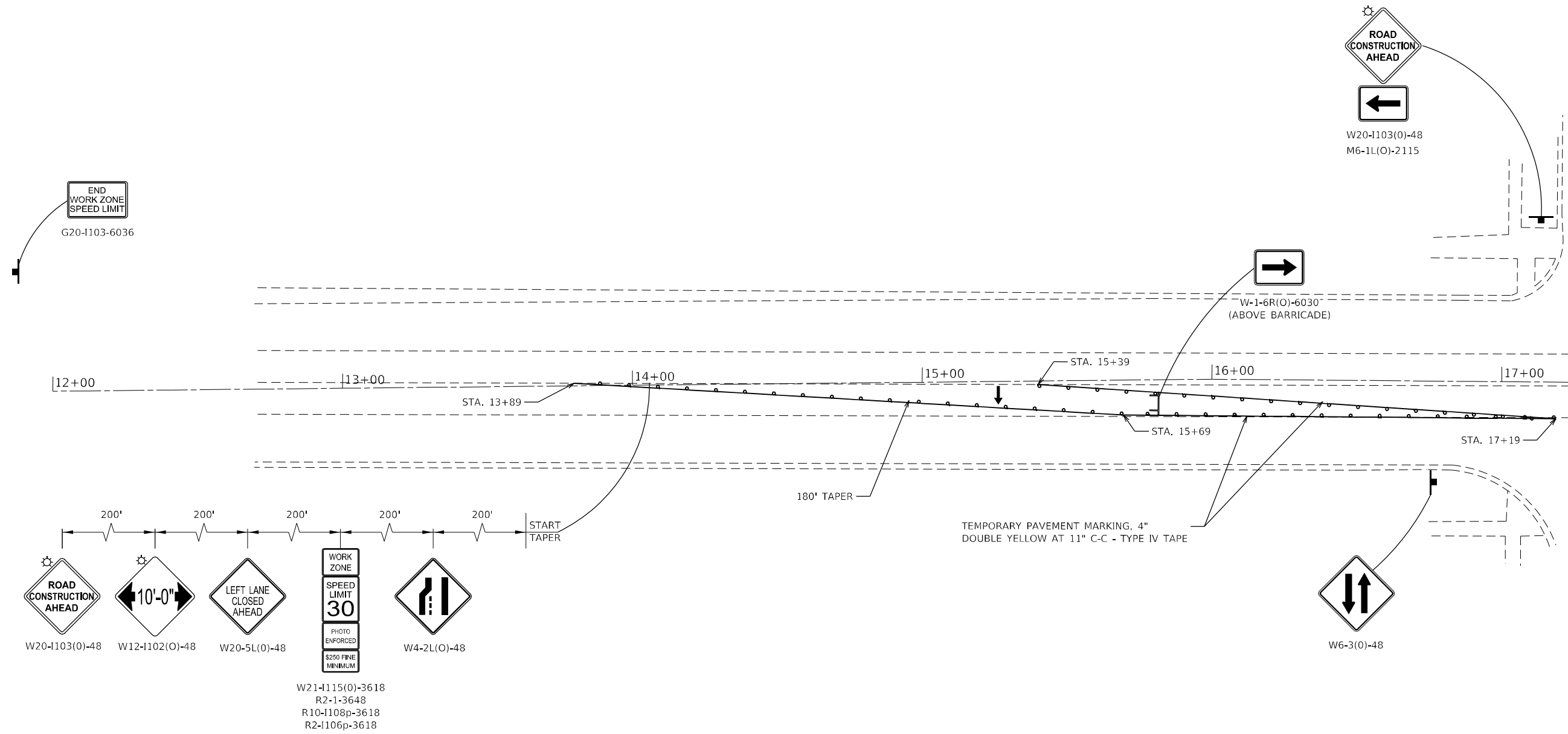
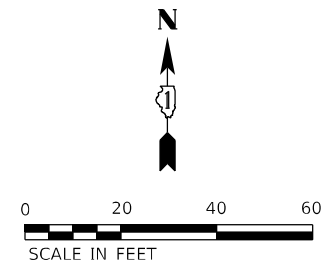
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE. 0347	SECTION FAP 0347 22 BJ	COUNTY COOK	TOTAL SHEETS 42	SHEET NO. 10
ILLINOIS			FED. AID PROJECT	

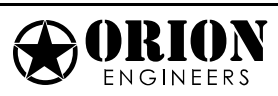
CONTRACT NO. 62T14

LEGEND

-  TRAFFIC SIGN
-  TYPE II BARRICADE OR DRUM WITH STEADY BURN MONO-DIRECTIONAL LIGHT
-  DIRECTION OF TRAFFIC
-  FLASHING ARROW BOARD
-  TYPE III BARRICADE WITH FLASHING LIGHTS



MODEL Default
 FILE NAME C:\Users\mpatel\OneDrive\OneDrive\Projects\62114\CADD\Sheet Files\62114.dwg
 IDOT P/B 199-013\Work Order #7 (62114)\CADD\Sheet Files\62114.dwg
 202108 - 202108 - IDOT Admin - Orion Admin - 10/20/2023



USER NAME = npatel	DESIGNED -	REVISED -
PLOT SCALE = 40,0012 * / in.	DRAWN -	REVISED -
PLOT DATE = 10/20/2023	CHECKED -	REVISED -
	DATE -	REVISED -








STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

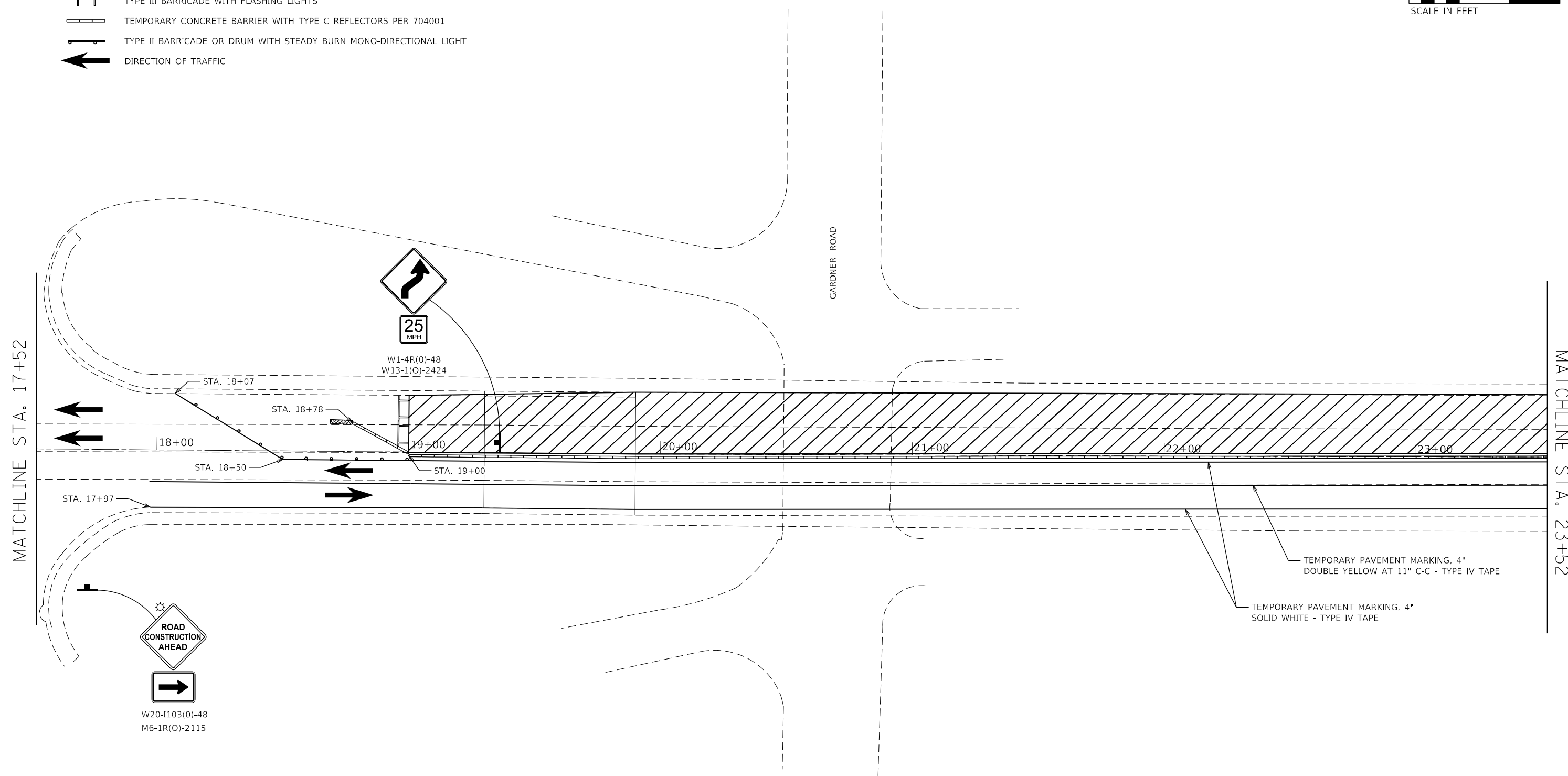
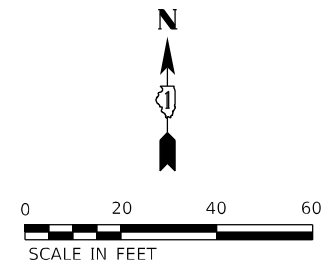
MAINTENANCE OF TRAFFIC – STAGE 1 (1 of 4)
F.A.P. 347 (ROOSEVELT RD) OVER IHB RAILROAD & GARDNER RD

F.A.P. RTE. 0347	SECTION FAP 0347 22 BJ	COUNTY COOK	TOTAL SHEETS 42	SHEET NO. 11
CONTRACT NO. 62114				
ILLINOIS FED. AID PROJECT				

SCALE: SHEET OF SHEETS STA. TO STA.

LEGEND

-  TRAFFIC SIGN
-  WORK AREA
-  IMPACT ATTENUATOR, TEMPORARY (NON-REDIRECTIVE, NARROW), TEST LEVEL 2
-  TYPE III BARRICADE WITH FLASHING LIGHTS
-  TEMPORARY CONCRETE BARRIER WITH TYPE C REFLECTORS PER 704001
-  TYPE II BARRICADE OR DRUM WITH STEADY BURN MONO-DIRECTIONAL LIGHT
-  DIRECTION OF TRAFFIC



MODEL: Default
 FILE NAME: C:\Users\mpatel\OneDrive\OneDrive\Public\62T14\Drawings\62T14-Sub-0003.dwg
 PLOT DATE: 10/20/2023
 PLOT SCALE: 40,0012 * / in.
 USER NAME: npatel



DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -








**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

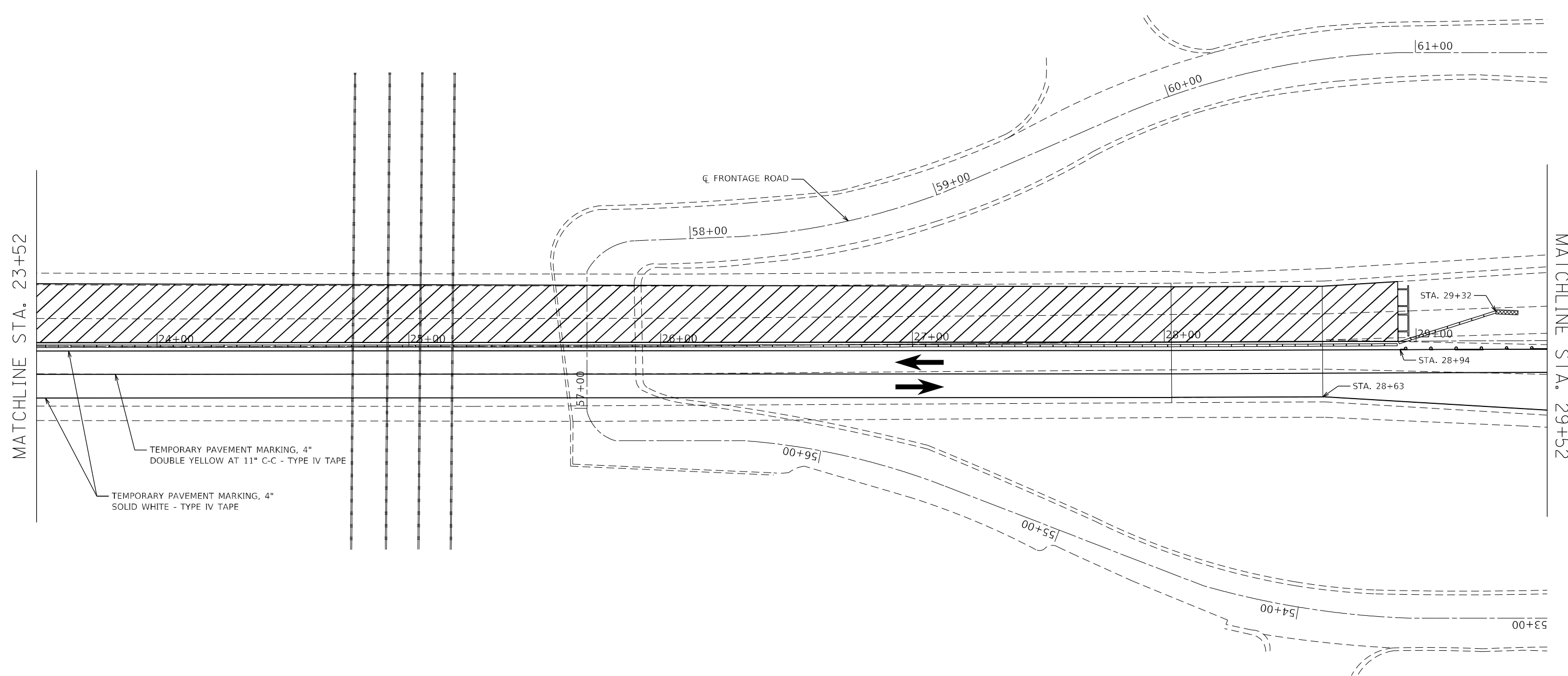
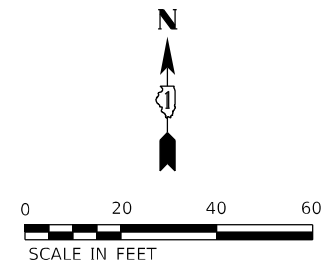
**MAINTENANCE OF TRAFFIC - STAGE 1 (2 OF 4)
F.A.P. 347 (ROOSEVELT RD) OVER IHB RAILROAD & GARDNER RD**

F.A.P. RTE. 0347	SECTION FAP 0347 22 BJ	COUNTY COOK	TOTAL SHEETS 42	SHEET NO. 12
CONTRACT NO. 62T14				
ILLINOIS FED. AID PROJECT				

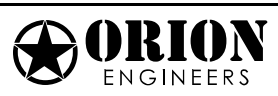
SCALE: SHEET OF SHEETS STA. TO STA.

LEGEND

-  TRAFFIC SIGN
-  WORK AREA
-  IMPACT ATTENUATOR, TEMPORARY (NON-REDIRECTIVE, NARROW), TEST LEVEL 2
-  TYPE III BARRICADE WITH FLASHING LIGHTS
-  TEMPORARY CONCRETE BARRIER WITH TYPE C REFLECTORS PER 704001
-  TYPE II BARRICADE OR DRUM WITH STEADY BURN MONO-DIRECTIONAL LIGHT
-  DIRECTION OF TRAFFIC



MODEL: Default
 FILE NAME: C:\Users\mpatel\OneDrive\OneDrive\Orion Admin - 2023\08 - IDOT P15 - 19A-013\Work Order #7 (62T14)\CADD\Sheet Files\62T14-ct-0003.dwg
 MODEL: Default
 FILE NAME: C:\Users\mpatel\OneDrive\OneDrive\Orion Admin - 2023\08 - IDOT P15 - 19A-013\Work Order #7 (62T14)\CADD\Sheet Files\62T14-ct-0003.dwg



USER NAME = npatel	DESIGNED -	REVISED -
PLOT SCALE = 40,0012 * / in.	DRAWN -	REVISED -
PLOT DATE = 10/20/2023	CHECKED -	REVISED -
	DATE -	REVISED -






STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

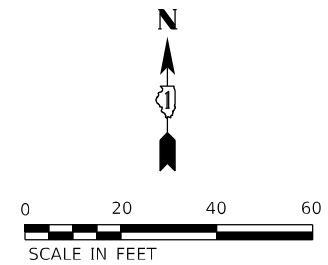
MAINTENANCE OF TRAFFIC – STAGE 1 (3 of 4)
F.A.P. 347 (ROOSEVELT RD) OVER IHB RAILROAD & GARDNER RD

F.A.P. RTE. 0347	SECTION FAP 0347 22 BJ	COUNTY COOK	TOTAL SHEETS 42	SHEET NO. 13
ILLINOIS			FED. AID PROJECT	

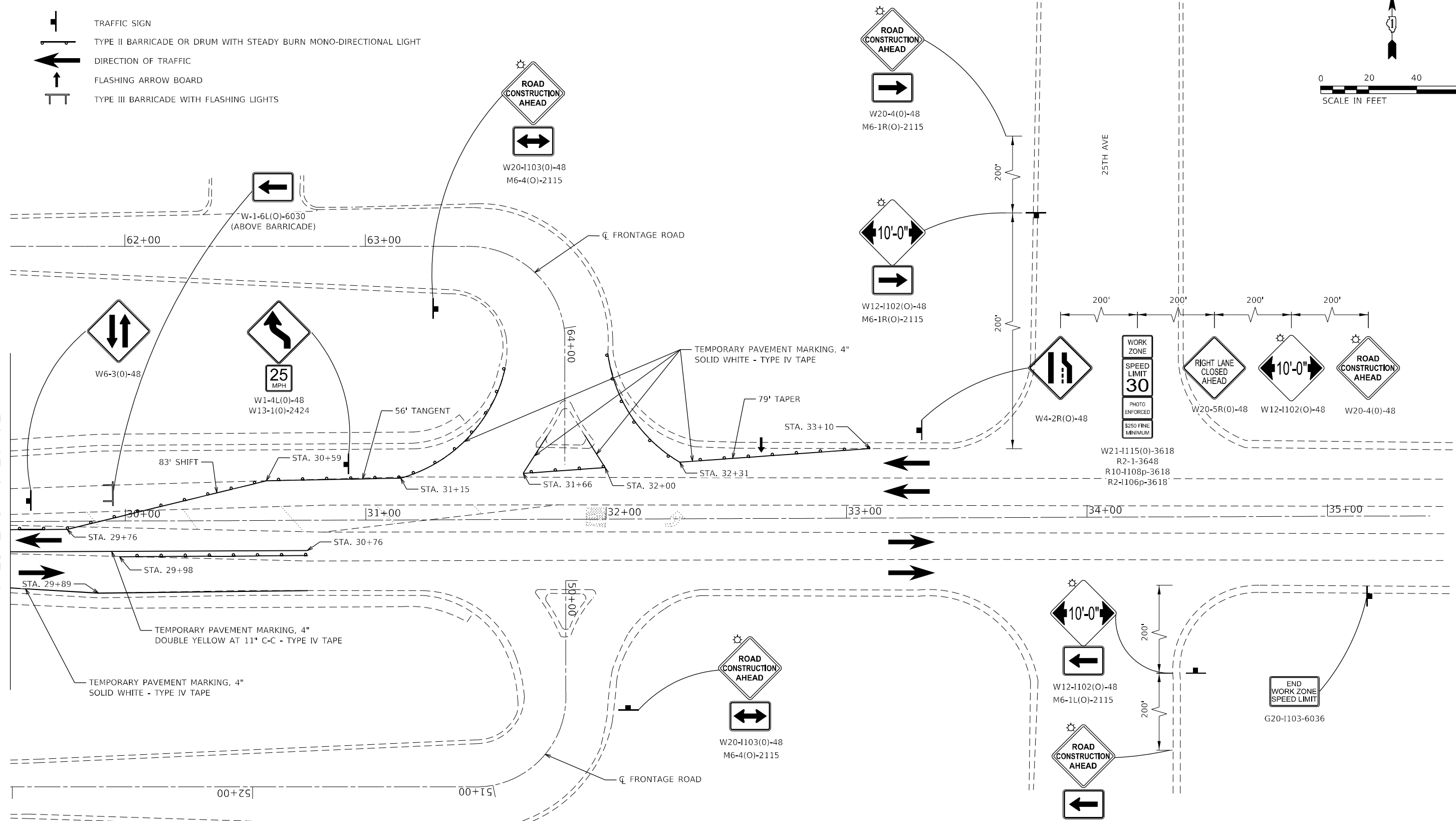
SCALE: SHEET OF SHEETS STA. TO STA.

LEGEND

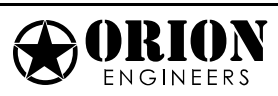
-  TRAFFIC SIGN
-  TYPE II BARRICADE OR DRUM WITH STEADY BURN MONO-DIRECTIONAL LIGHT
-  DIRECTION OF TRAFFIC
-  FLASHING ARROW BOARD
-  TYPE III BARRICADE WITH FLASHING LIGHTS



MATCHLINE STA. 29+52



MODEL: Default
FILE NAME: C:\Users\matt\OneDrive\Engineering\62114\62114.dwg
IDOT: PTD 199-013\Work Order #7 (62114)\CADD\Sheet Files\62114\62114.dwg



USER NAME = npatel	DESIGNED -	REVISED -
PLOT SCALE = 40,0012' / in.	DRAWN -	REVISED -
PLOT DATE = 10/20/2023	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

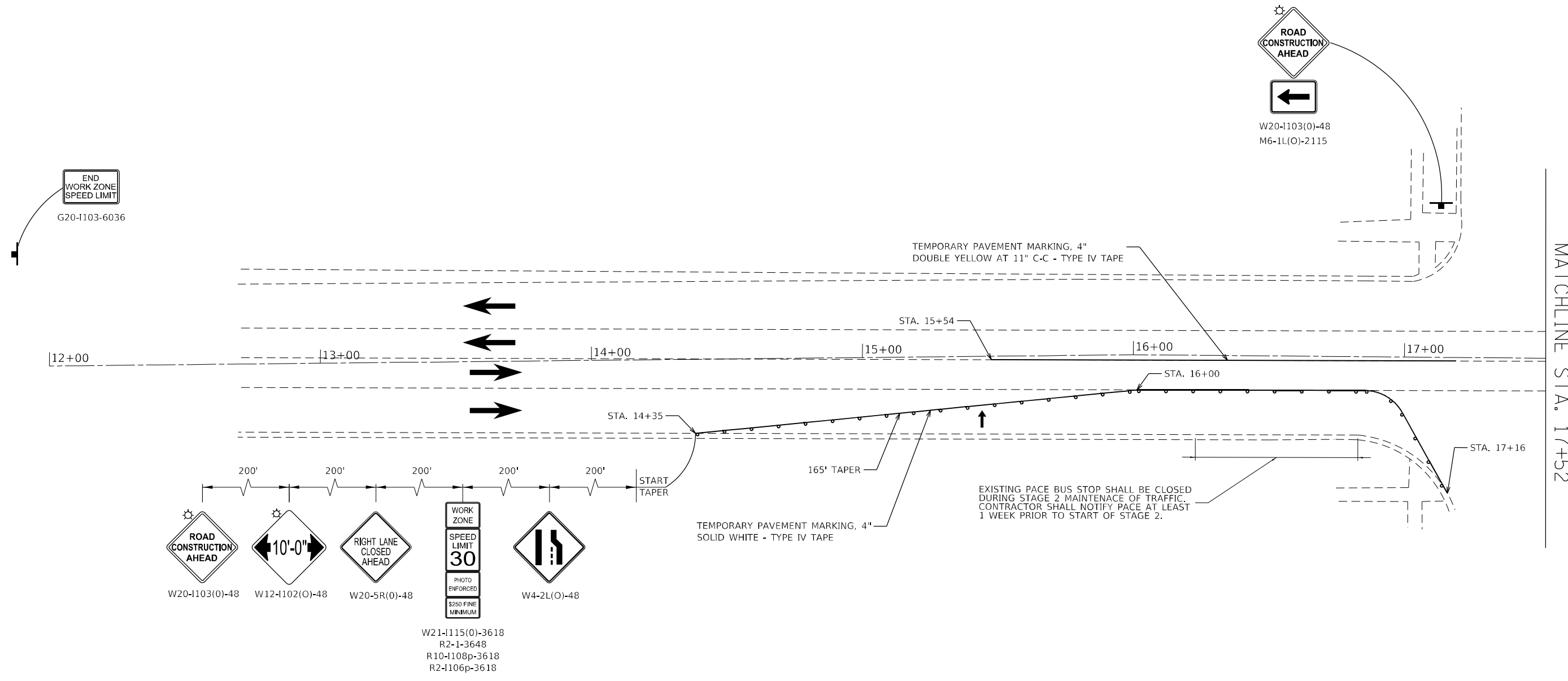
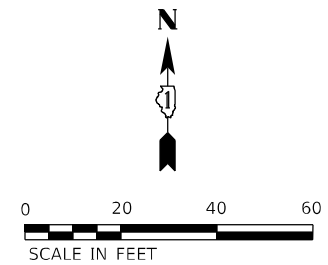
MAINTENANCE OF TRAFFIC – STAGE 1 (4 of 4)
F.A.P. 347 (ROOSEVELT RD) OVER IHB RAILROAD & GARDNER RD

F.A.P. RTE. 0347	SECTION FAP 0347 22 BJ	COUNTY COOK	TOTAL SHEETS 42	SHEET NO. 14
CONTRACT NO. 62114				
ILLINOIS FED. AID PROJECT				

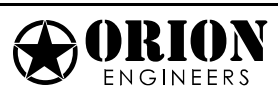
SCALE: SHEET OF SHEETS STA. TO STA.

LEGEND

- TRAFFIC SIGN
- TYPE II BARRICADE OR DRUM WITH STEADY BURN MONO-DIRECTIONAL LIGHT
- DIRECTION OF TRAFFIC
- FLASHING ARROW BOARD



MODEL: Default; FILE NAME: C:\Users\mva\workspace\onion\engineers\tr.com\Orion Admin - 2021008 - IDOT P7B, 199-013\Work Order - #7 (627141)\CADD\Sheet Files\627141-14-17-2023.dgn



USER NAME = mva\mwest	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40,0012 * / in.	CHECKED -	REVISED -
PLOT DATE = 11/20/2023	DATE -	REVISED -








**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

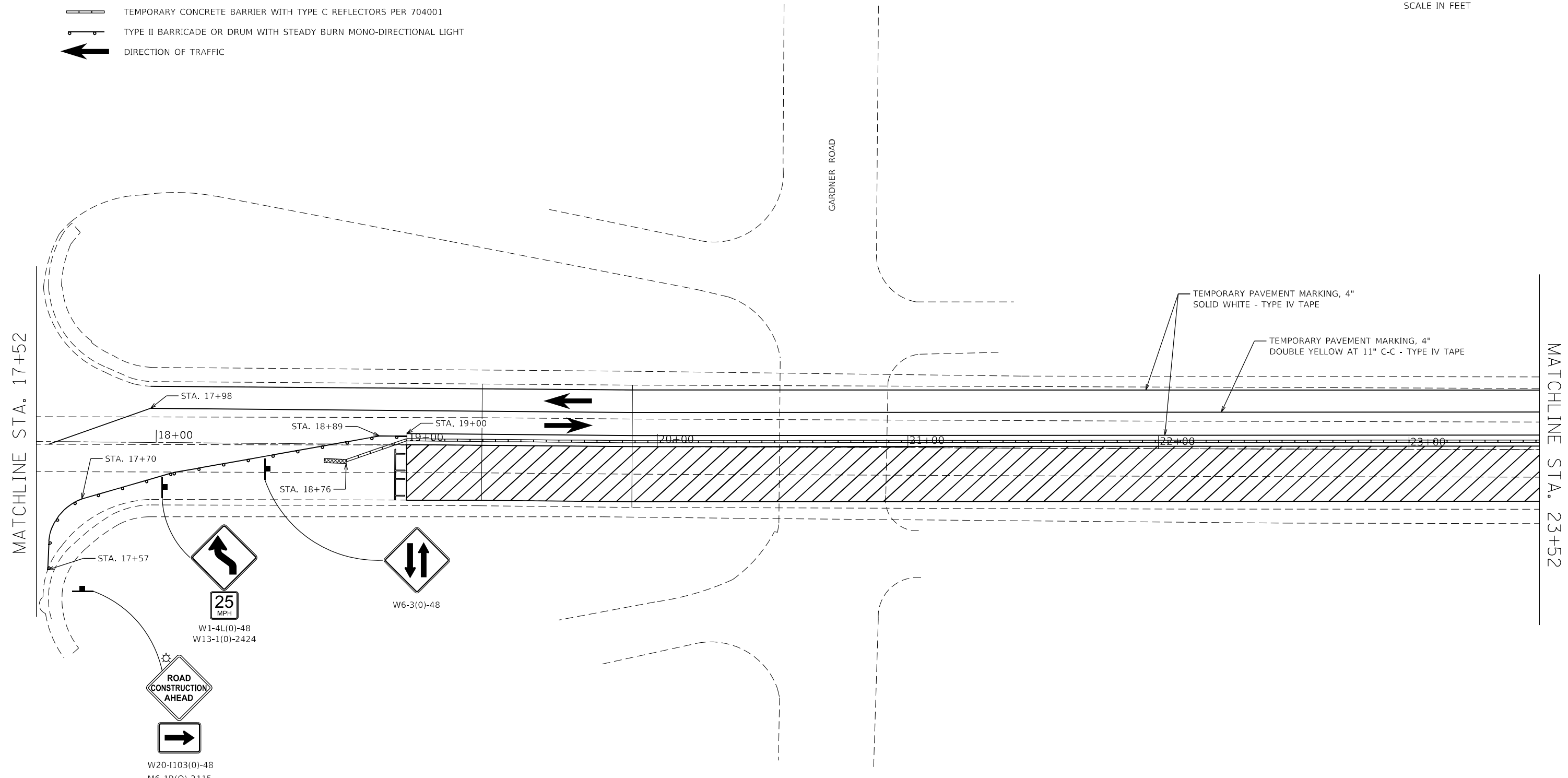
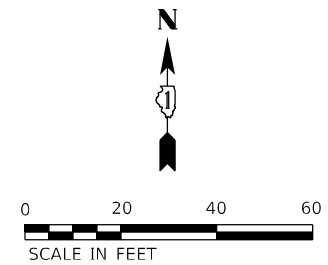
**MAINTENANCE OF TRAFFIC – STAGE 2 (1 of 4)
F.A.P. 347 (ROOSEVELT RD) OVER IHB RAILROAD & GARDNER RD**

F.A.P. RTE. 0347	SECTION FAP 0347 22 BJ	COUNTY COOK	TOTAL SHEETS 42	SHEET NO. 15
CONTRACT NO. 62T14				
ILLINOIS FED. AID PROJECT				

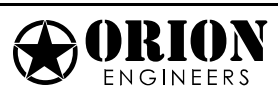
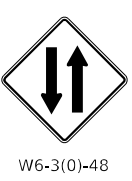
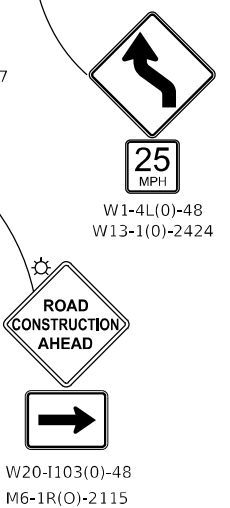
SCALE: SHEET OF SHEETS STA. TO STA.

LEGEND

-  TRAFFIC SIGN
-  WORK AREA
-  IMPACT ATTENUATOR, TEMPORARY (NON-REDIRECTIVE, NARROW), TEST LEVEL 2
-  TYPE III BARRICADE WITH FLASHING LIGHTS
-  TEMPORARY CONCRETE BARRIER WITH TYPE C REFLECTORS PER 704001
-  TYPE II BARRICADE OR DRUM WITH STEADY BURN MONO-DIRECTIONAL LIGHT
-  DIRECTION OF TRAFFIC



MODEL: Default
 FILE NAME: C:\Users\mpatel\OneDrive\Engineering\622114\622114.dwg
 ORDER #7 (622114) CAD: Sheet File: 622114.dwg
 IDOT P/B: 199-013\Work Order #7 (622114) CAD: Sheet File: 622114.dwg
 ORION ENGINEERS










USER NAME = npatel	DESIGNED -	REVISED -
PLOT SCALE = 40,0012 * / in.	DRAWN -	REVISED -
PLOT DATE = 10/20/2023	CHECKED -	REVISED -
	DATE -	REVISED -

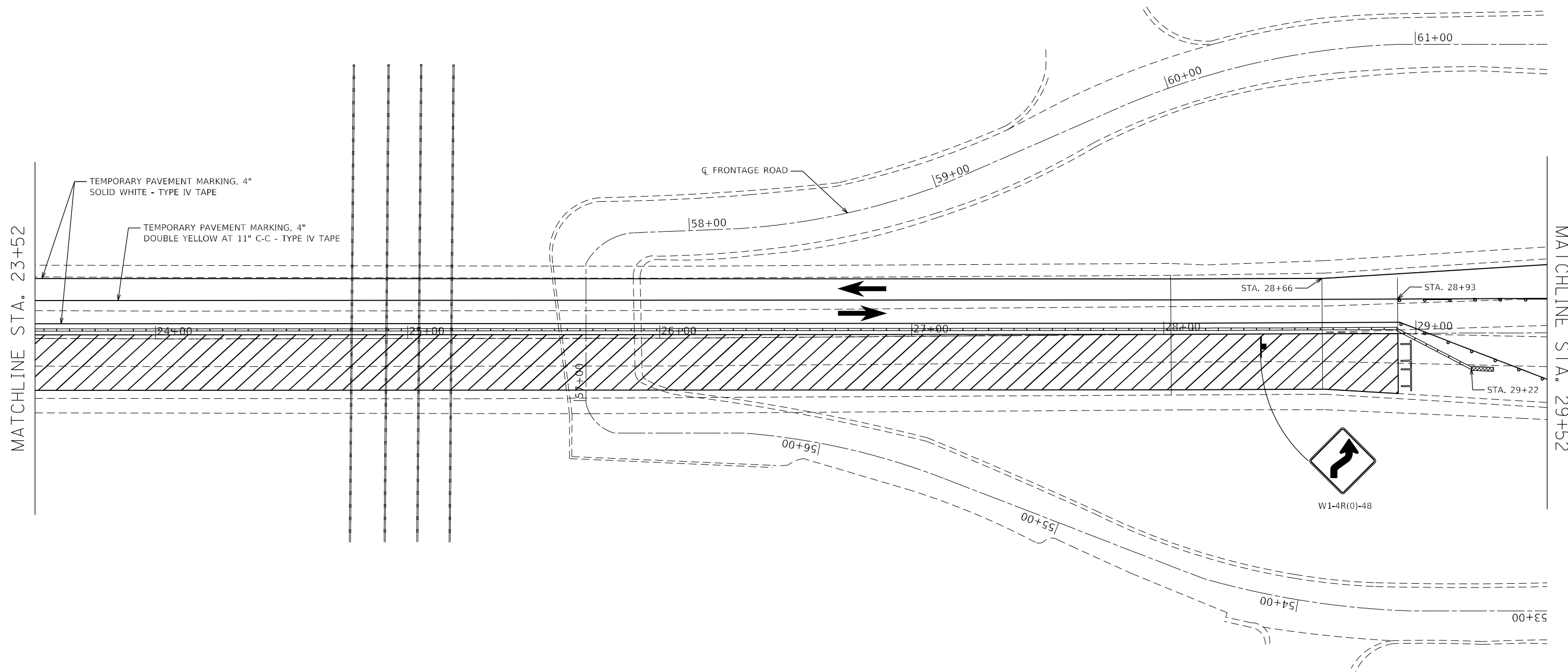
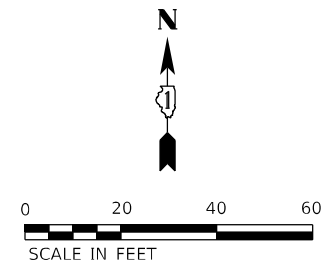
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC – STAGE 2 (2 of 4)
 F.A.P. 347 (ROOSEVELT RD) OVER IHB RAILROAD & GARDNER RD
 SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE. 0347	SECTION FAP 0347 22 BJ	COUNTY COOK	TOTAL SHEETS 42	SHEET NO. 16
CONTRACT NO. 62214				
ILLINOIS FED. AID PROJECT				

LEGEND

-  TRAFFIC SIGN
-  WORK AREA
-  IMPACT ATTENUATOR, TEMPORARY (NON-REDIRECTIVE, NARROW), TEST LEVEL 2
-  TYPE III BARRICADE WITH FLASHING LIGHTS
-  TEMPORARY CONCRETE BARRIER WITH TYPE C REFLECTORS PER 704001
-  TYPE II BARRICADE OR DRUM WITH STEADY BURN MONO-DIRECTIONAL LIGHT
-  DIRECTION OF TRAFFIC



MODEL: Default
 FILE NAME: C:\Users\mpatel\OneDrive\OneDrive\Projects\62T14\Drawings\62T14-Sub-2002.dwg
 2023.10.08 - 2023.10.08 - IDOT_PTB_199-013\Work Order #7 (62T14)\CADD\Sheet Files\62T14-Sub-2002.dwg



USER NAME = npatel	DESIGNED -	REVISED -
PLOT SCALE = 40,0012 * / in.	DRAWN -	REVISED -
PLOT DATE = 10/20/2023	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**






**MAINTENANCE OF TRAFFIC – STAGE 2 (3 of 4)
F.A.P. 347 (ROOSEVELT RD) OVER IHB RAILROAD & GARDNER RD**

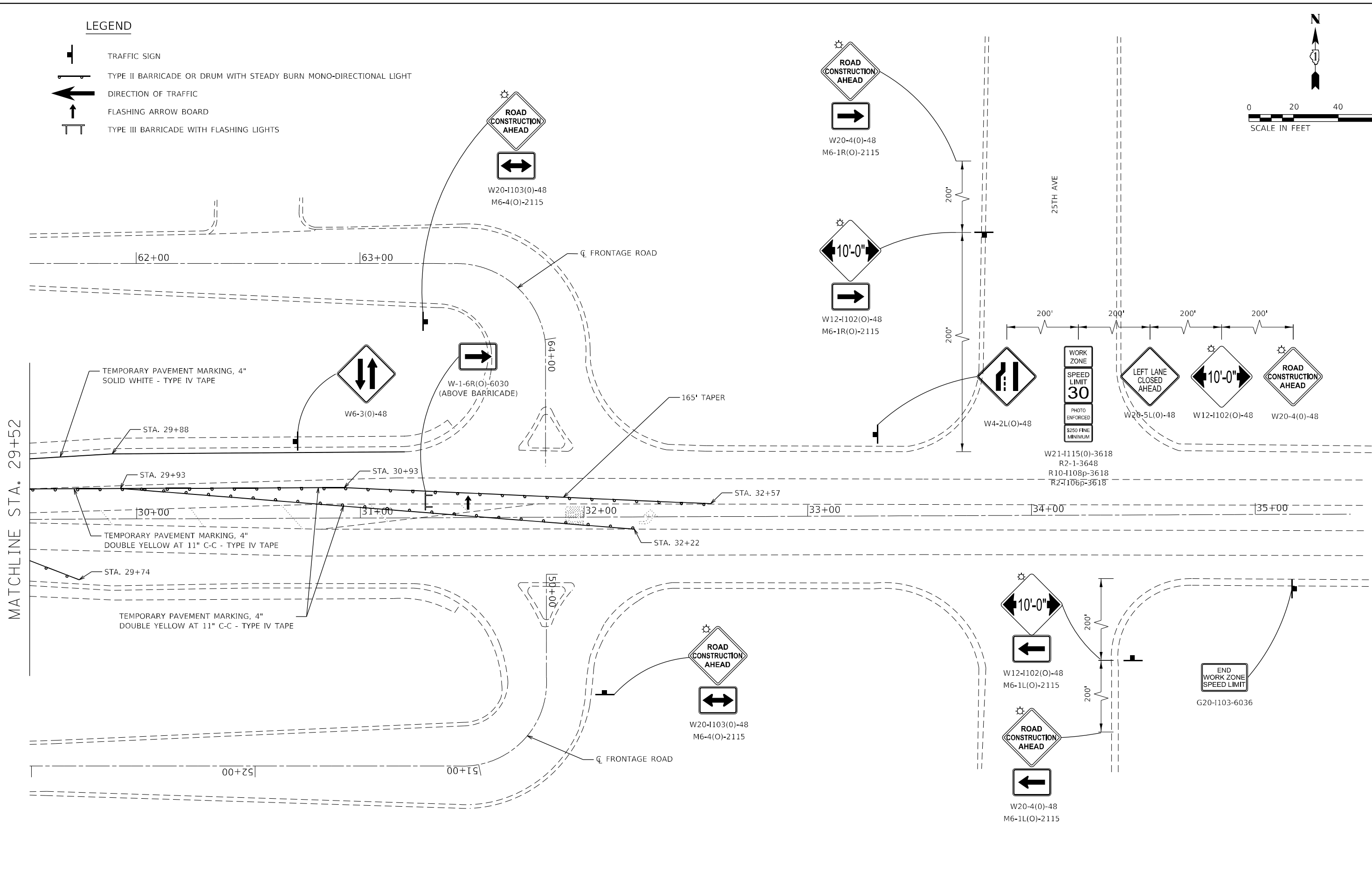
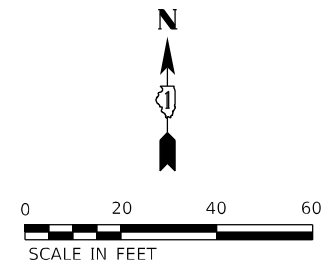
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE. 0347	SECTION FAP 0347 22 BJ	COUNTY COOK	TOTAL SHEETS 42	SHEET NO. 17
ILLINOIS			FED. AID PROJECT	

CONTRACT NO. 62T14

LEGEND

-  TRAFFIC SIGN
-  TYPE II BARRICADE OR DRUM WITH STEADY BURN MONO-DIRECTIONAL LIGHT
-  DIRECTION OF TRAFFIC
-  FLASHING ARROW BOARD
-  TYPE III BARRICADE WITH FLASHING LIGHTS



MODEL: Default
 FILE NAME: C:\Users\npatel\Documents\orion\62114\FAP0347\Drawings\62114-CADD\Sheet-Files\62114-14-11-23-2023.dwg
 2023.10.20 - 10:20:08 - IDOT_PTB_199-013\Work Order #7 (62114)\CADD\Sheet-Files\62114-14-11-23-2023.dwg



USER NAME = npatel	DESIGNED -	REVISED -
PLOT SCALE = 40,0012' / in.	DRAWN -	REVISED -
PLOT DATE = 10/20/2023	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

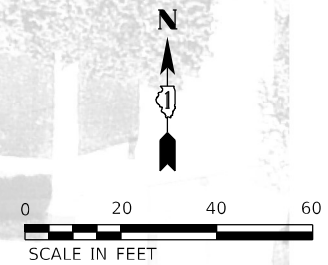
MAINTENANCE OF TRAFFIC – STAGE 2 (4 of 4)
F.A.P. 347 (ROOSEVELT RD) OVER IHB RAILROAD & GARDNER RD

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0347	FAP 0347 22 BJ	COOK	42	18
CONTRACT NO. 62114				
ILLINOIS FED. AID PROJECT				

SCALE: SHEET OF SHEETS STA. TO STA.

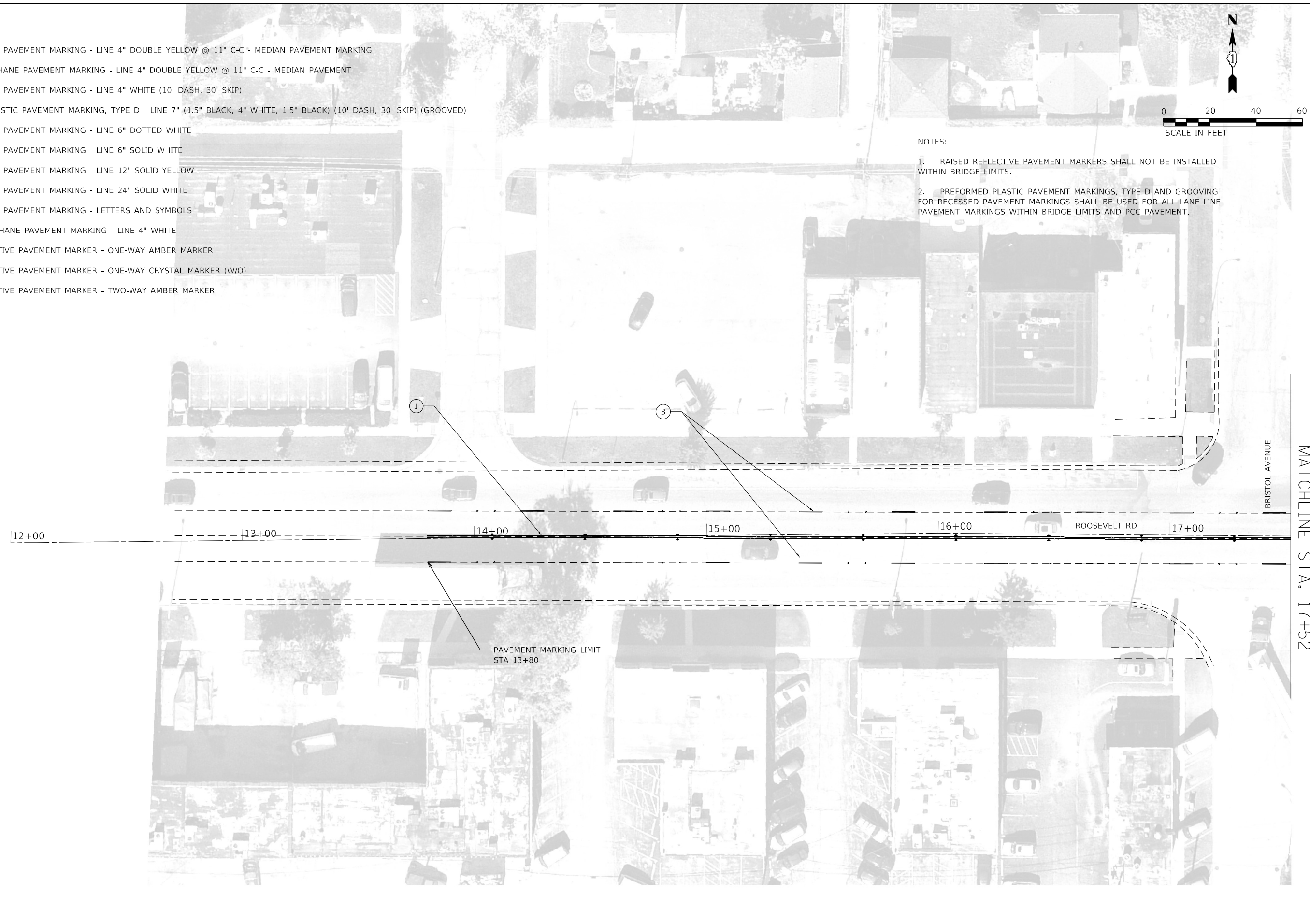
LEGEND

- ① THERMOPLASTIC PAVEMENT MARKING - LINE 4" DOUBLE YELLOW @ 11" C-C - MEDIAN PAVEMENT MARKING
- ② MODIFIED URETHANE PAVEMENT MARKING - LINE 4" DOUBLE YELLOW @ 11" C-C - MEDIAN PAVEMENT
- ③ THERMOPLASTIC PAVEMENT MARKING - LINE 4" WHITE (10' DASH, 30' SKIP)
- ④ PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - LINE 7" (1.5" BLACK, 4" WHITE, 1.5" BLACK) (10' DASH, 30' SKIP) (GROOVED)
- ⑤ THERMOPLASTIC PAVEMENT MARKING - LINE 6" DOTTED WHITE
- ⑥ THERMOPLASTIC PAVEMENT MARKING - LINE 6" SOLID WHITE
- ⑦ THERMOPLASTIC PAVEMENT MARKING - LINE 12" SOLID YELLOW
- ⑧ THERMOPLASTIC PAVEMENT MARKING - LINE 24" SOLID WHITE
- ⑨ THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS
- ⑩ MODIFIED URETHANE PAVEMENT MARKING - LINE 4" WHITE
- ▶ RAISED REFLECTIVE PAVEMENT MARKER - ONE-WAY AMBER MARKER
- ▶ RAISED REFLECTIVE PAVEMENT MARKER - ONE-WAY CRYSTAL MARKER (W/O)
- ◆ RAISED REFLECTIVE PAVEMENT MARKER - TWO-WAY AMBER MARKER



NOTES:

1. RAISED REFLECTIVE PAVEMENT MARKERS SHALL NOT BE INSTALLED WITHIN BRIDGE LIMITS.
2. PREFORMED PLASTIC PAVEMENT MARKINGS, TYPE D AND GROOVING FOR RECESSED PAVEMENT MARKINGS SHALL BE USED FOR ALL LANE LINE PAVEMENT MARKINGS WITHIN BRIDGE LIMITS AND PCC PAVEMENT.



MODEL: Default
 FILE NAME: C:\Users\npatel\OneDrive\Engineering\622114\622114\CADD\Sheet - Files\622114.dwg - print-0.dgn
 2023.10.08 - IDOT P/B 19A-013\Work Order #7 (622114)\CADD\Sheet - Files\622114.dwg - print-0.dgn



USER NAME = npatel	DESIGNED -	REVISED -
PLOT SCALE = 40,0012 * / in.	DRAWN -	REVISED -
PLOT DATE = 10/20/2023	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

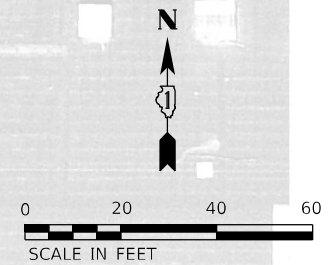
PAVEMENT MARKINGS (1 of 4)
F.A.P. 347 (ROOSEVELT RD) OVER IHB RAILROAD & GARDNER RD

F.A.P. RTE. 0347	SECTION FAP 0347 22 BJ	COUNTY COOK	TOTAL SHEETS 42	SHEET NO. 19
CONTRACT NO. 62214				
ILLINOIS FED. AID PROJECT				

SCALE: SHEET OF SHEETS STA. TO STA.

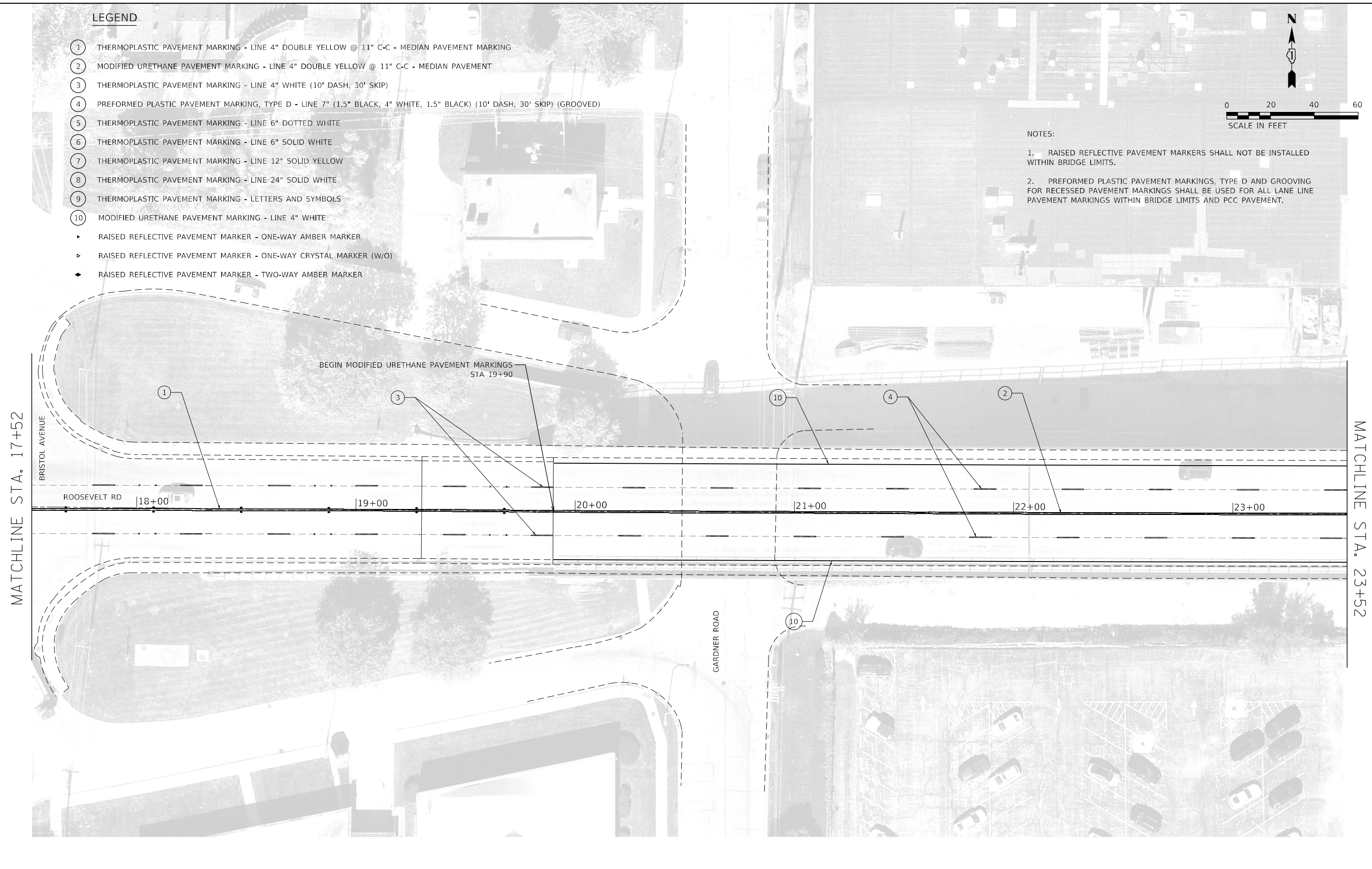
LEGEND

- ① THERMOPLASTIC PAVEMENT MARKING - LINE 4" DOUBLE YELLOW @ 11" C-C - MEDIAN PAVEMENT MARKING
- ② MODIFIED URETHANE PAVEMENT MARKING - LINE 4" DOUBLE YELLOW @ 11" C-C - MEDIAN PAVEMENT
- ③ THERMOPLASTIC PAVEMENT MARKING - LINE 4" WHITE (10' DASH, 30' SKIP)
- ④ PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - LINE 7" (1.5" BLACK, 4" WHITE, 1.5" BLACK) (10' DASH, 30' SKIP) (GROOVED)
- ⑤ THERMOPLASTIC PAVEMENT MARKING - LINE 6" DOTTED WHITE
- ⑥ THERMOPLASTIC PAVEMENT MARKING - LINE 6" SOLID WHITE
- ⑦ THERMOPLASTIC PAVEMENT MARKING - LINE 12" SOLID YELLOW
- ⑧ THERMOPLASTIC PAVEMENT MARKING - LINE 24" SOLID WHITE
- ⑨ THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS
- ⑩ MODIFIED URETHANE PAVEMENT MARKING - LINE 4" WHITE
- ▶ RAISED REFLECTIVE PAVEMENT MARKER - ONE-WAY AMBER MARKER
- ▶ RAISED REFLECTIVE PAVEMENT MARKER - ONE-WAY CRYSTAL MARKER (W/O)
- ◆ RAISED REFLECTIVE PAVEMENT MARKER - TWO-WAY AMBER MARKER

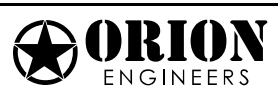


NOTES:

1. RAISED REFLECTIVE PAVEMENT MARKERS SHALL NOT BE INSTALLED WITHIN BRIDGE LIMITS.
2. PREFORMED PLASTIC PAVEMENT MARKINGS, TYPE D AND GROOVING FOR RECESSED PAVEMENT MARKINGS SHALL BE USED FOR ALL LANE LINE PAVEMENT MARKINGS WITHIN BRIDGE LIMITS AND PCC PAVEMENT.



MODEL: Default
 FILE: \\naire.culler.com\public\cadd\engineers\file.com\Orion Admin - 202108 - IDOT PTS - 19A-013\Work Order #7 (62T14)\CADD\Sheet Files\0162T14.dwg-0mk-1.dwg



USER NAME = npatel	DESIGNED -	REVISED -
PLOT SCALE = 40,0012 * / in.	DRAWN -	REVISED -
PLOT DATE = 10/20/2023	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

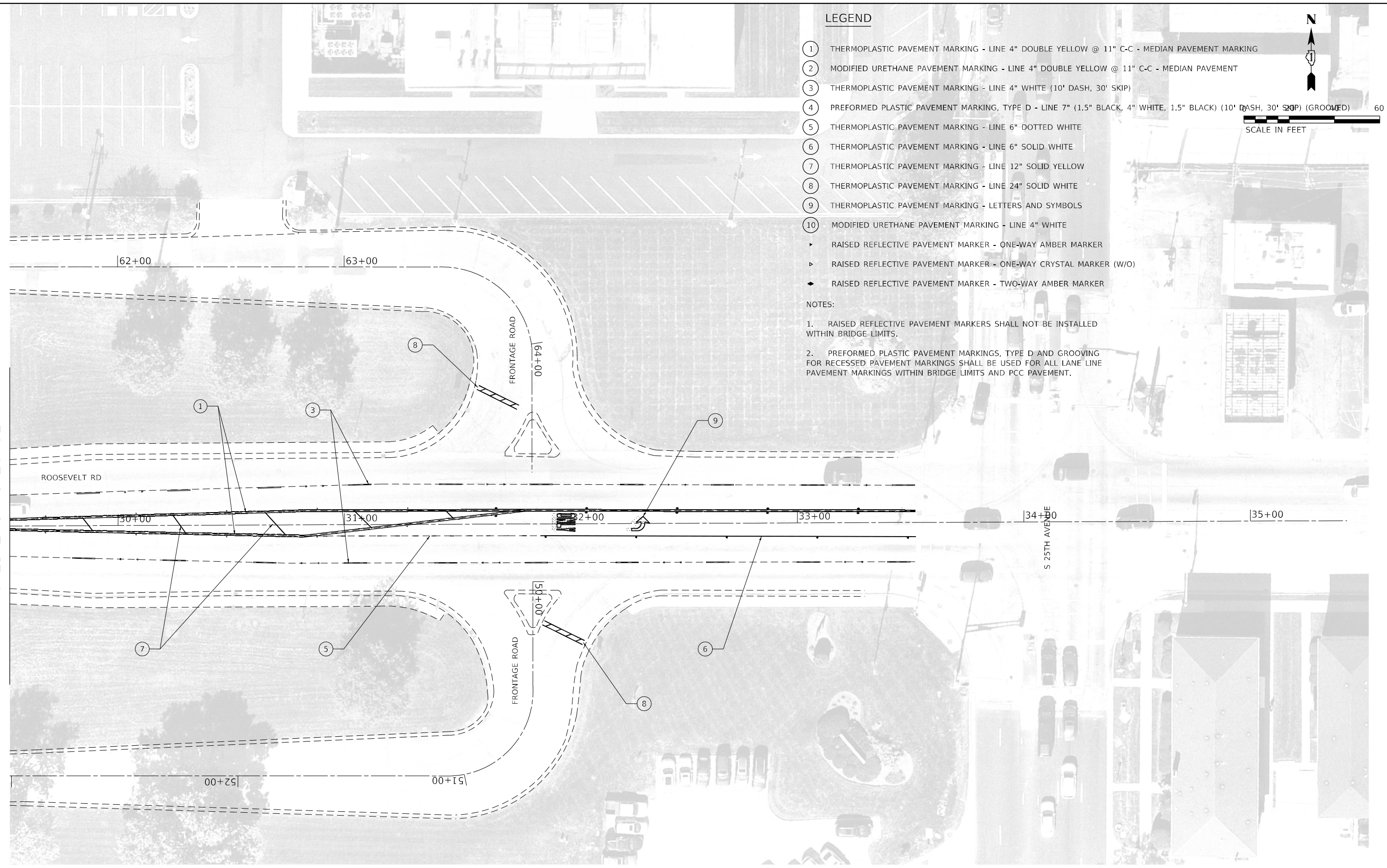
PAVEMENT MARKINGS (2 of 4)
F.A.P. 347 (ROOSEVELT RD) OVER IHB RAILROAD & GARDNER RD

F.A.P. RTE. 0347	SECTION FAP 0347 22 BJ	COUNTY COOK	TOTAL SHEETS 42	SHEET NO. 20
CONTRACT NO. 62T14				
ILLINOIS FED. AID PROJECT				

SCALE: SHEET OF SHEETS STA. TO STA.

MODEL: Default
 FILE NAME: C:\Users\mpatel\OneDrive\Engineering\Illinois\62T14\CADD\Sheets\Files\62T14\62T14.dwg - 09/13/2023
 ORION Admins - 202108 - IDOT P/B 199-013\Work Order #7 (62T14)\CADD\Sheets\Files\62T14\62T14.dwg - 09/13/2023

MATCHLINE STA. 29+52

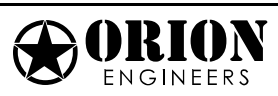


LEGEND

- ① THERMOPLASTIC PAVEMENT MARKING - LINE 4" DOUBLE YELLOW @ 11" C-C - MEDIAN PAVEMENT MARKING
- ② MODIFIED URETHANE PAVEMENT MARKING - LINE 4" DOUBLE YELLOW @ 11" C-C - MEDIAN PAVEMENT
- ③ THERMOPLASTIC PAVEMENT MARKING - LINE 4" WHITE (10' DASH, 30' SKIP)
- ④ PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - LINE 7" (1.5" BLACK, 4" WHITE, 1.5" BLACK) (10' DASH, 30' SKIP) (GROOVED)
- ⑤ THERMOPLASTIC PAVEMENT MARKING - LINE 6" DOTTED WHITE
- ⑥ THERMOPLASTIC PAVEMENT MARKING - LINE 6" SOLID WHITE
- ⑦ THERMOPLASTIC PAVEMENT MARKING - LINE 12" SOLID YELLOW
- ⑧ THERMOPLASTIC PAVEMENT MARKING - LINE 24" SOLID WHITE
- ⑨ THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS
- ⑩ MODIFIED URETHANE PAVEMENT MARKING - LINE 4" WHITE
- ▶ RAISED REFLECTIVE PAVEMENT MARKER - ONE-WAY AMBER MARKER
- ▶ RAISED REFLECTIVE PAVEMENT MARKER - ONE-WAY CRYSTAL MARKER (W/O)
- ◆ RAISED REFLECTIVE PAVEMENT MARKER - TWO-WAY AMBER MARKER

NOTES:

1. RAISED REFLECTIVE PAVEMENT MARKERS SHALL NOT BE INSTALLED WITHIN BRIDGE LIMITS.
2. PREFORMED PLASTIC PAVEMENT MARKINGS, TYPE D AND GROOVING FOR RECESSED PAVEMENT MARKINGS SHALL BE USED FOR ALL LANE LINE PAVEMENT MARKINGS WITHIN BRIDGE LIMITS AND PCC PAVEMENT.



USER NAME = npatel	DESIGNED -	REVISED -
PLOT SCALE = 40,0012 * / in.	DRAWN -	REVISED -
PLOT DATE = 10/20/2023	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKINGS (4 of 4)
F.A.P. 347 (ROOSEVELT RD) OVER IHB RAILROAD & GARDNER RD

F.A.P. RTE. 0347	SECTION FAP 0347 22 BJ	COUNTY COOK	TOTAL SHEETS 42	SHEET NO. 22
CONTRACT NO. 62T14				
ILLINOIS FED. AID PROJECT				

SCALE: SHEET OF SHEETS STA. TO STA.

Existing Structure:

SN 016-0962 was originally constructed in 1937. In 1991, the superstructure and the upper portion of the substructure (pile caps) were replaced. The bridge consists of thirteen spans of reinforced concrete deck on steel rolled sections and is partially continuous with simple supports present at Pier 4, 7, and 10. The substructure consists of reinforced concrete piers and abutment.

Traffic Control: Stage construction will be utilized. Two lanes of traffic shall be maintained on the southern half of Roosevelt Rd for Stage I Construction. Two lanes of traffic shall be maintained on the northern half of Roosevelt Rd for Stage II Construction.

No salvage.

INDEX OF SHEETS

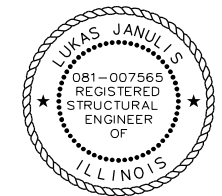
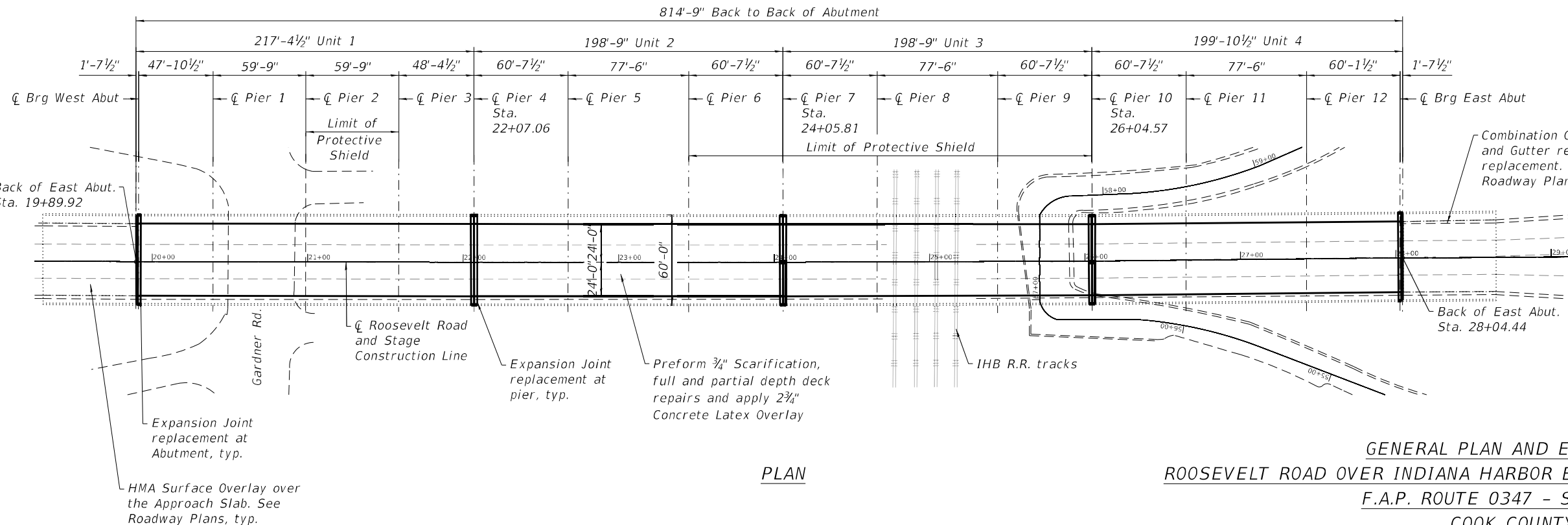
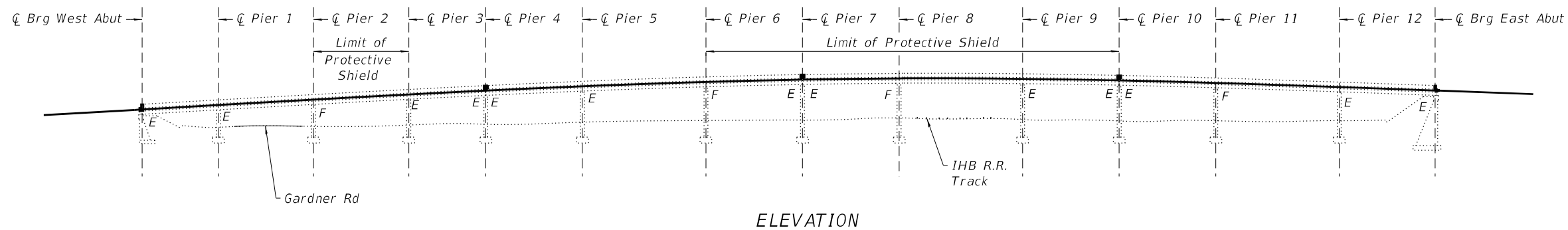
- S1 General Plan and Elevation
- S2 General Data
- S3 Stage Construction Details
- S4-S5 Deck Plan Repairs
- S6 Expansion Joint Details
- S7-S8 Preformed Joint Strip Seal Sidewalk
- S9 Bar Splicer Assembly
- S10-S12 Substructure Repairs

DESIGN STRESSES

Cast in Place Concrete (New Construction)
 f'c = 4,000 psi (Superstructure)
 fy = 60,000 psi (Reinforcement)

DESIGN SPECIFICATIONS

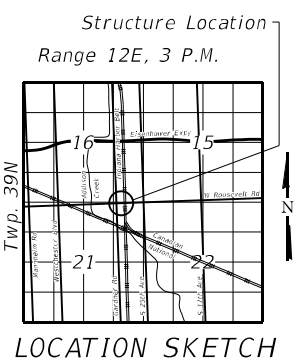
2002 AASHTO Standard Specifications
 17th Edition



EXPIRES NOV. 30, 2024

Lukas Janulis
 SIGNATURE

OCT. 17, 2023
 DATE



GENERAL PLAN AND ELEVATION
ROOSEVELT ROAD OVER INDIANA HARBOR BELT (IHB) AND GARDNER ROAD
F.A.P. ROUTE 0347 - SEC. 22-BJ
COOK COUNTY
STA. 19+89.92 TO STA. 28+04.44
STRUCTURE NO. 016-0962

MODEL: Default
 FILE NAME: C:\Users\mpate\OneDrive\OneDrive\Orion Admin - 2021008 - IDOT PTB 195+0131\Work Order #7 (62T14)\CADD\Sheet Files\0160962-62T14-gpe.dgn



USER NAME =	DESIGNED - LJ	REVISED -
PLOT SCALE =	DRAWN - RB	REVISED -
PLOT DATE = 11/1/2023 8:58:15 AM	CHECKED - LJ	REVISED -
	DATE - 08/11/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN AND ELEVATION
STRUCTURE NO. 016-0962

SHEET S1 OF 512 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0347	FAP 0347 22 BJ	COOK	42	23
CONTRACT NO. 62T14				
ILLINOIS		FED. AID PROJECT		

GENERAL NOTES

1. Plan dimensions and details relative to existing plans are subject to routine variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished based upon the unit price bid for the work.
2. Any reinforcement bars that are damaged during concrete removal operations shall be repaired or replaced using an approved bar splicer or anchorage system. Cost included with Deck Slab Repair (Full Depth, Type I or II)
3. Reinforcement bars, including epoxy-coated reinforcement bars, shall conform to the requirements of AASHTO M-31 (ASTM A70), grade 60, deformed bars.
4. Reinforcement bars designated "(E)" shall be epoxy coated.
5. Reinforcement bar bending details shall be in accordance with the latest "Manual of Standard Practice for Detailing Reinforced Concrete Structures, ACI 315".
6. Reinforcement bar bending dimensions are out to out.
7. Existing reinforcement bars extending into the removal area shall be cleaned, straightened and incorporated into the new construction. Any reinforcement bars that are damaged during concrete removal shall be replaced with an approved bar splicer or anchorage system. Cost included with Concrete Removal.
8. Contractor shall not scale dimensions from the Contract Plans for construction purposes. Scales shown are for information only.
9. No construction joints except those shown on the plans shall be allowed unless approved by the Engineer.
10. No concrete cutting shall be permitted until the cutting limits have been outlined by the Contractor and approved by the Engineer.
11. Joint openings shall be adjusted according with Article 520.04 of the Standard Specs. when the deck is poured at an ambient temperature other than 50° F.

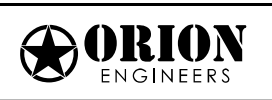
SCOPE OF WORK

1. Perform 3/4" Bridge Deck Scarification.
2. Perform deck slab repairs as required.
3. Reconstruct bridge deck expansion joints at the West and East Abutments and at Piers. Install new preformed joints strip seal.
4. Apply a 2 3/4" Bridge Deck Latex Concrete Overlay on bridge deck.
5. Perform Bridge Deck Grooving and Diamond Grinding.
6. Apply Protective Coat to the top and inside faces of parapets, sidewalks, reconstructed transverse expansion joints, and surface of the new overlay.

TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
Concrete Removal	Cu Yd	50.3
Protective Shield	Sq Yd	2,054
Concrete Superstructure	Cu Yd	52.1
Protective Coat	Sq Yd	4,378
Reinforcement Bars, Epoxy Coated	Pound	6,800
Bar Splicers	Each	70
Preformed Joint Strip Seal	Foot	290
Drainage Scuppers to be Adjusted	Each	10
Bridge Deck Grooving (Longitudinal)	Sq Yd	3,984
Approach Slab Repair (Partial Depth)	Sq Yd	14
Bridge Deck Latex Concrete Overlay, 2 3/4 Inches	Sq Yd	4,261
Bridge Deck Scarification 3/4"	Sq Yd	4,261
Structural Repair of Concrete (Depth Equal to or Less than 5 Inches)	Sq Ft	1,171
Structural Repair of Concrete (Depth Greater than 5 Inches)	Sq Ft	18
Deck Slab Repair (Full Depth, Type I)	Sq Yd	2
Diamond Grinding (Bridge Section)	Sq Yd	4,030
Cleaning Bridge Scuppers and Downsprouts	Each	10

MODEL: Default
FILE NAME: C:\Users\mpate\OneDrive\OneDrive\Orion Admin - 2021008 - IDOT FTB 195-0131\Work Order #7 (62T14)\CADD\Sheet Files\0160962-62T14-gendata.dgn



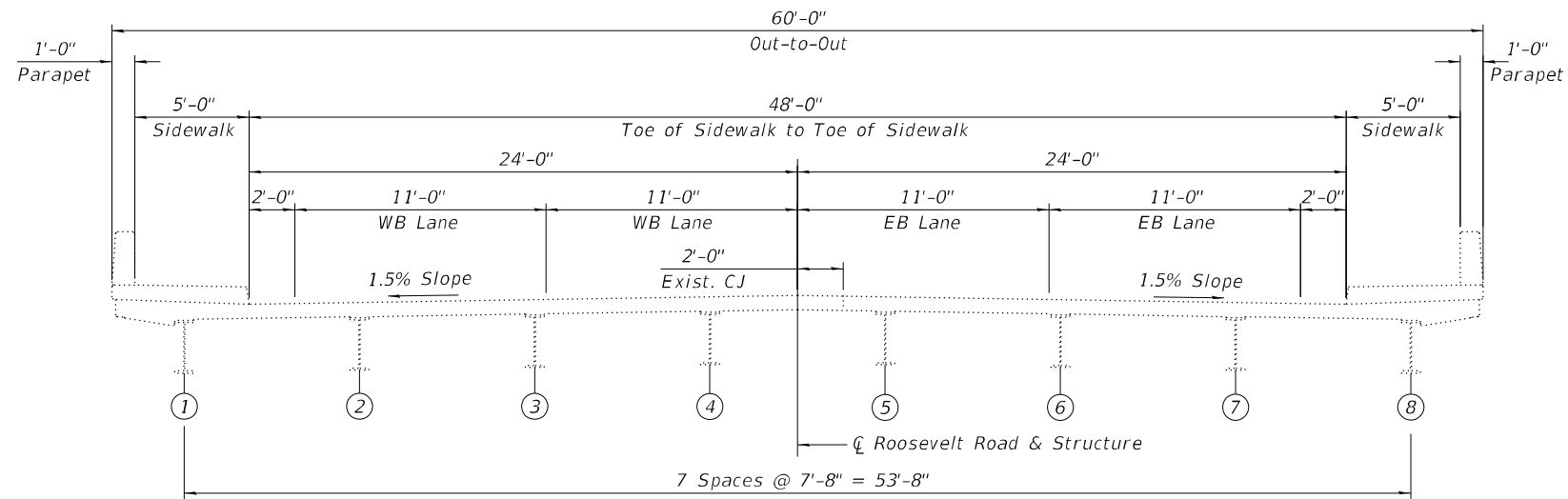
USER NAME =	DESIGNED - LJ	REVISED -
	DRAWN - RB	REVISED -
PLOT SCALE =	CHECKED - LJ	REVISED -
PLOT DATE = 11/1/2023 8:58:19 AM	DATE - 08/11/2023	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

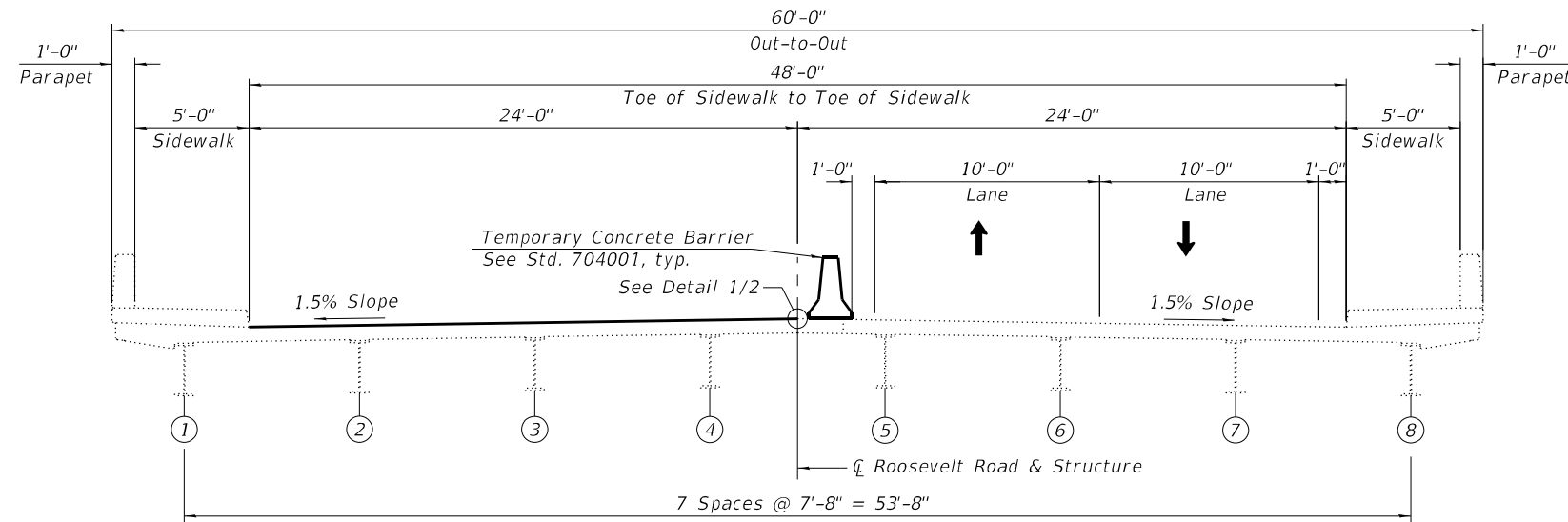
**GENERAL DATA
STRUCTURE NO. 016-0962**

SHEET 52 OF 512 SHEETS

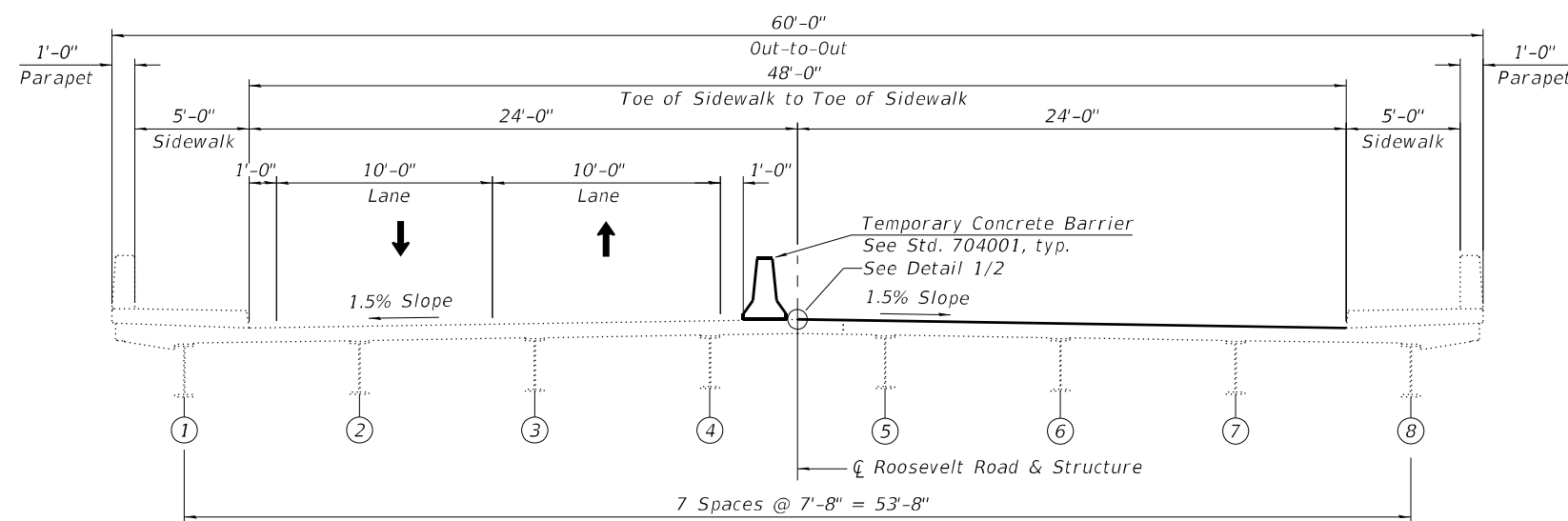
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0347	FAP 0347 22 BJ	COOK	42	24
			CONTRACT NO. 62T14	
		ILLINOIS	FED. AID PROJECT	



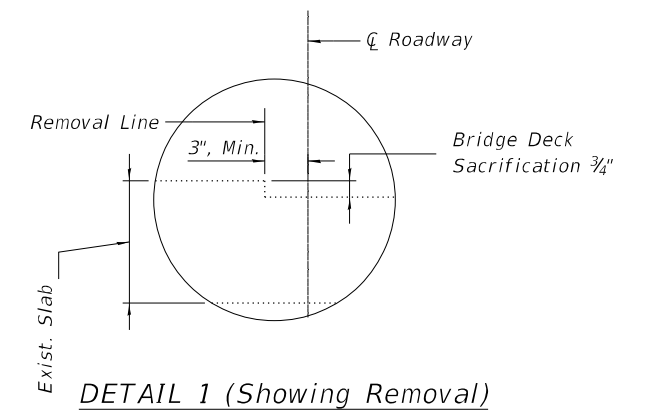
EXISTING
(Looking East)



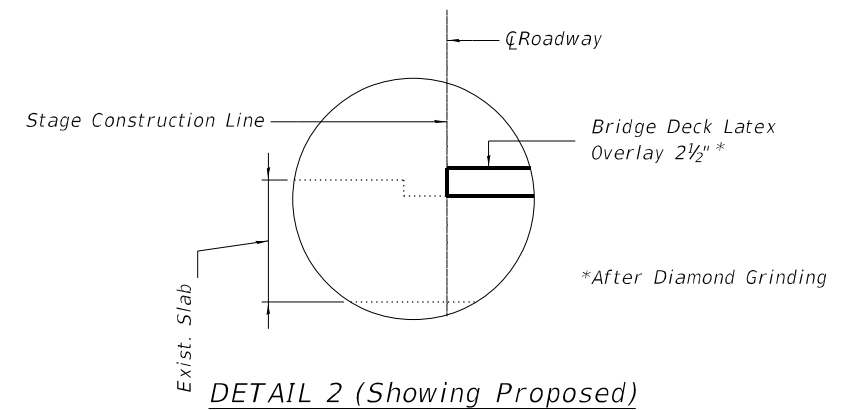
STAGE I
(Looking East)



STAGE II
(Looking East)



DETAIL 1 (Showing Removal)



DETAIL 2 (Showing Proposed)

MODEL: Default
 FILE NAME: C:\Users\mpate\OneDrive\Documents\Orion Admin - 2021008 - IDOT FTB 195-0131\Work Order #7 (62T14)\CADD\Sheet Files\0160962-62T14-sigcon.dgn



USER NAME =	DESIGNED - LJ	REVISED -
PLOT SCALE =	DRAWN - RB	REVISED -
PLOT DATE = 11/1/2023 8:58:20 AM	CHECKED - LJ	REVISED -
	DATE - 08/11/2023	REVISED -

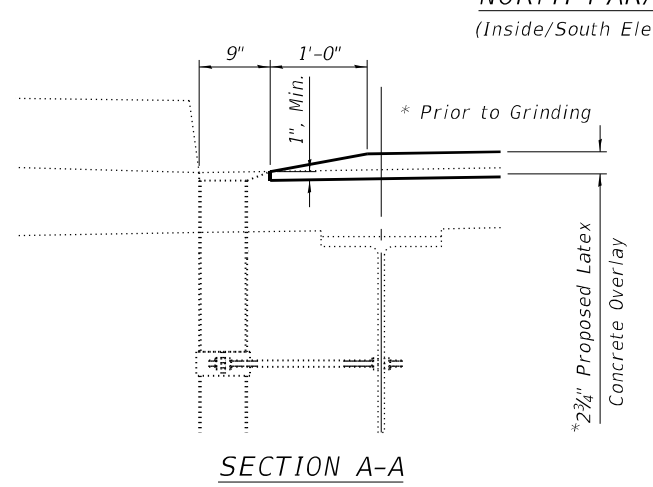
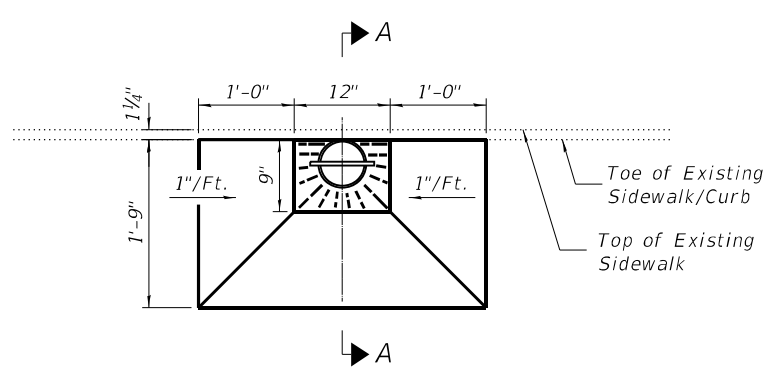
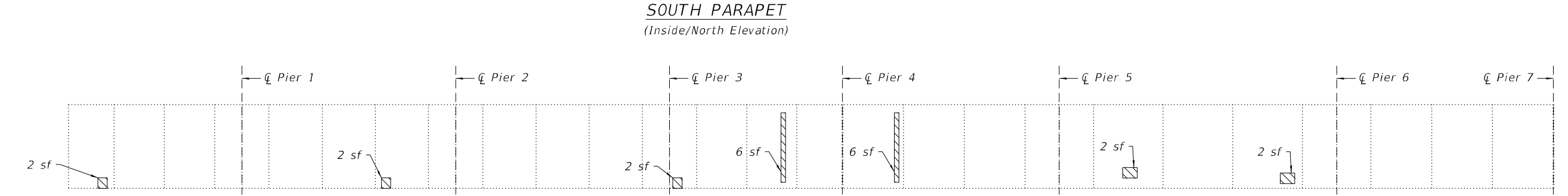
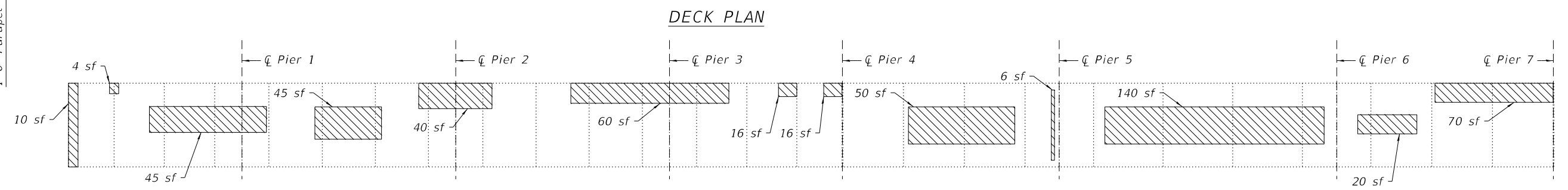
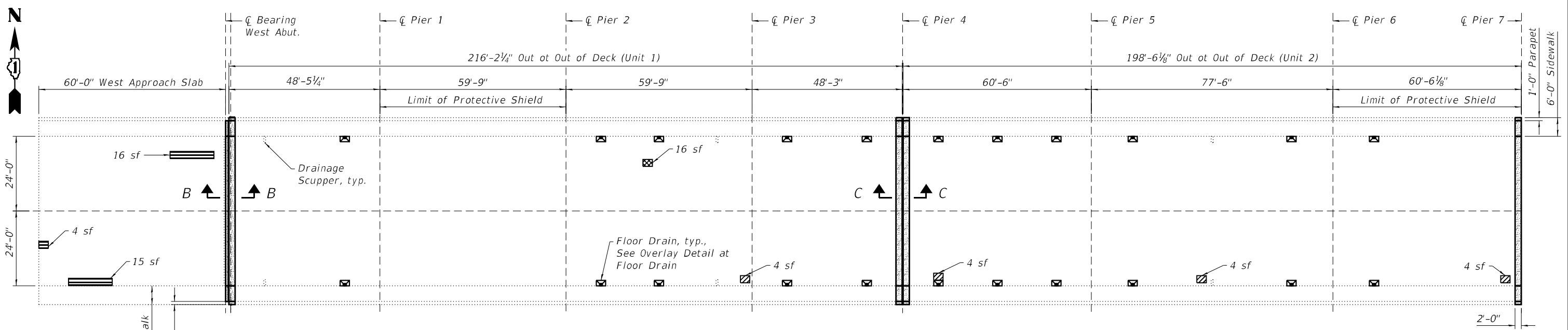
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**STAGE CONSTRUCTION DETAILS
STRUCTURE NO. 016-0962**

SHEET 53 OF 512 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0347	FAP 0347 22 BJ	COOK	42	25
CONTRACT NO. 62T14			ILLINOIS FED. AID PROJECT	

MODEL: Default
 FILE NAME: C:\Users\mpate\OneDrive\Documents\Orion Admin - 2021008 - IDOT FTB 195-0131\Work Order #7 (62T14)\CADD\Sheet Files\0160962-62T14-deck-plan-1.dgn



NOTES

1. Refer to Deck Plan Repairs Sheet 2 of 2 for Legend, Bill of Materials and Notes



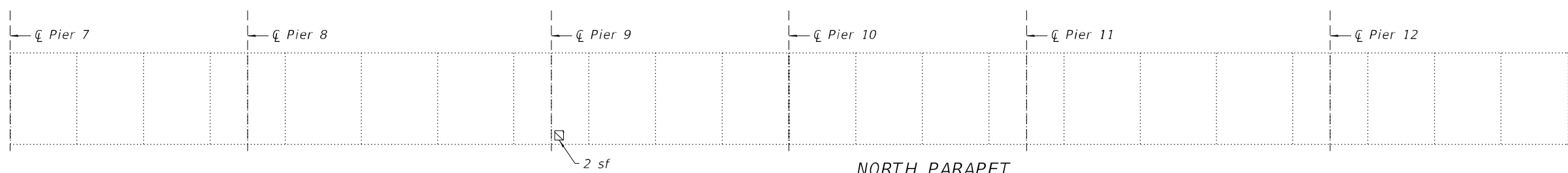
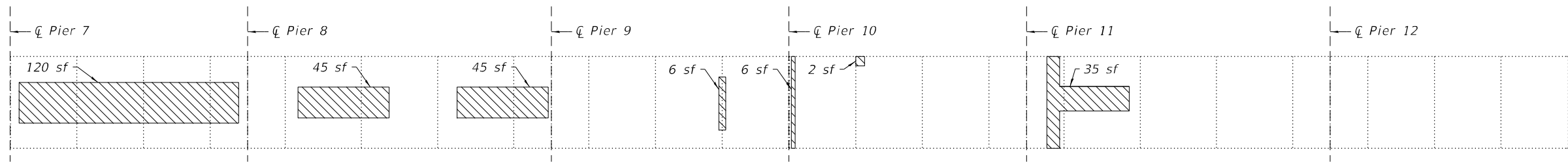
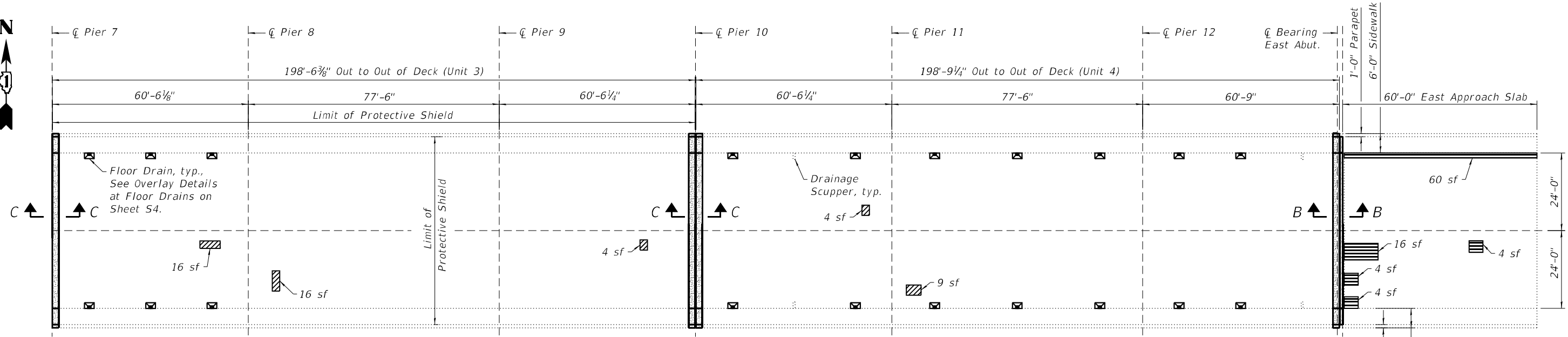
USER NAME =	DESIGNED - LJ	REVISED -
DRAWN - RB	REVISOR -	
PLOT SCALE =	CHECKED - LJ	REVISED -
PLOT DATE = 11/1/2023 8:58:22 AM	DATE - 08/11/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DECK PLAN REPAIRS (1 of 2)
STRUCTURE NO. 016-0962

SHEET S4 OF 512 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0347	FAP 0347 22 BJ	COOK	42	26
CONTRACT NO. 62T14			ILLINOIS FED. AID PROJECT	



LEGEND

- Concrete Removal
- Concrete Superstructure
- Approach Slab Repair (Partial Depth)
- Deck Slab Repair (Full Depth, Type 1)
- Deck Slab Repair (Partial Depth)*
- Structure Repair of Concrete (Depth Greater than 5 Inches)

*Deck Slab Repair (Partial Depth) to be paid under Bridge Deck Latex Concrete Overlay, 2 3/4"

BILL OF MATERIAL

ITEM	UNIT	TOTAL
Concrete Removal	Cu. Yd.	50.3
Concrete Superstructure	Cu. Yd.	52.1
Bridge Deck Grooving (Longitudinal)	Sq. Yd.	4,347
Protective Coat	Sq. Yd.	4,378
Approach Slab Repair (Partial Depth)	Sq. Yd.	14
Bridge Deck Latex Concrete Overlay, 2 3/4"	Sq. Yd.	4,261
Bridge Deck Scarification 3/4"	Sq. Yd.	4,261
Deck Slab Repair (Full Depth, Type 1)	Sq. Yd.	2
Structure Repair of Concrete (Depth Greater than 5 Inches)	Sq. Yd.	805
Diamond Grinding (Bridge Section)	Sq. Yd.	4,030

NOTES

- Deck Slab Repair areas estimated based on District 1 Bureau of Maintenance field notes and the visual inspection completed in 2022. Actual repair areas and locations shall be determined by the Engineer and shown on the as-built plans.
- For Expansion Joint Reconstruction Details, See Sheet S6.
- Bridge Deck Scarification, 3/4" and Bridge Deck Latex Concrete Overlay, 2 3/4" shall be performed over the limits of the bridge deck, excluding the transverse joint reconstruction areas.
- Diamond Grinding shall be performed over the limits of the bridge deck excluding exterior 2 feet.
- Protective coat shall be applied to the proposed concrete overlay, inside faces of the curbs, reconstructed sidewalks, and the transverse joint reconstruction areas.

MODEL: Default
FILE NAME: C:\Users\mpate\OneDrive\OneDrive\work\2022\1008 - IDOT FTB 195-0131\Work Order #7 (62T14)\CADD\Sheet Files\0160962-62T14-deck-plan-2.dgn



USER NAME =	DESIGNED - LJ	REVISED -
PLOT SCALE =	DRAWN - RB	REVISED -
PLOT DATE = 11/1/2023 8:58:23 AM	CHECKED - LJ	REVISED -
	DATE - 08/11/2023	REVISED -

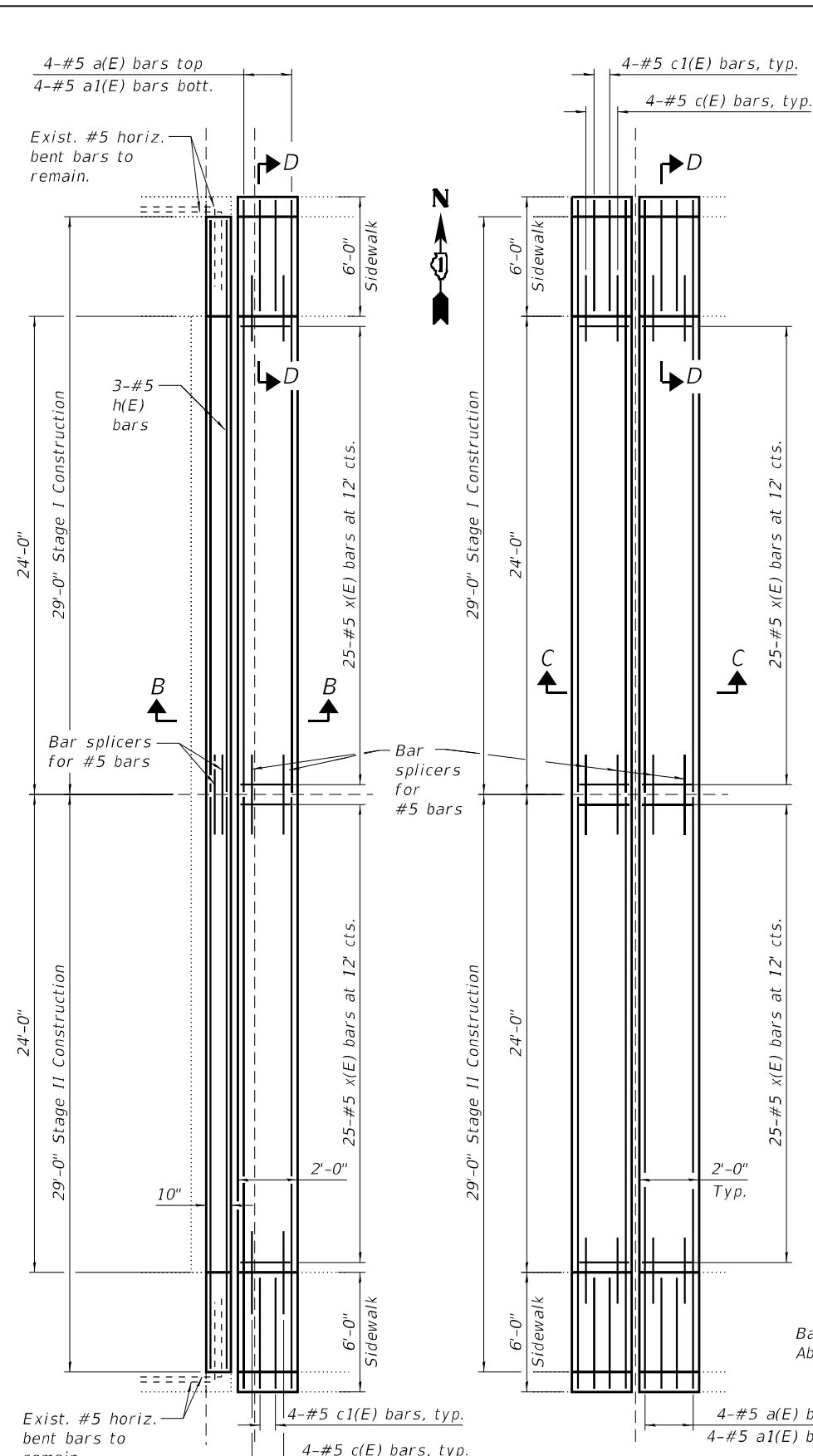
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DECK PLAN REPAIRS (2 of 2)
STRUCTURE NO. 016-0962**

SHEET 55 OF 512 SHEETS

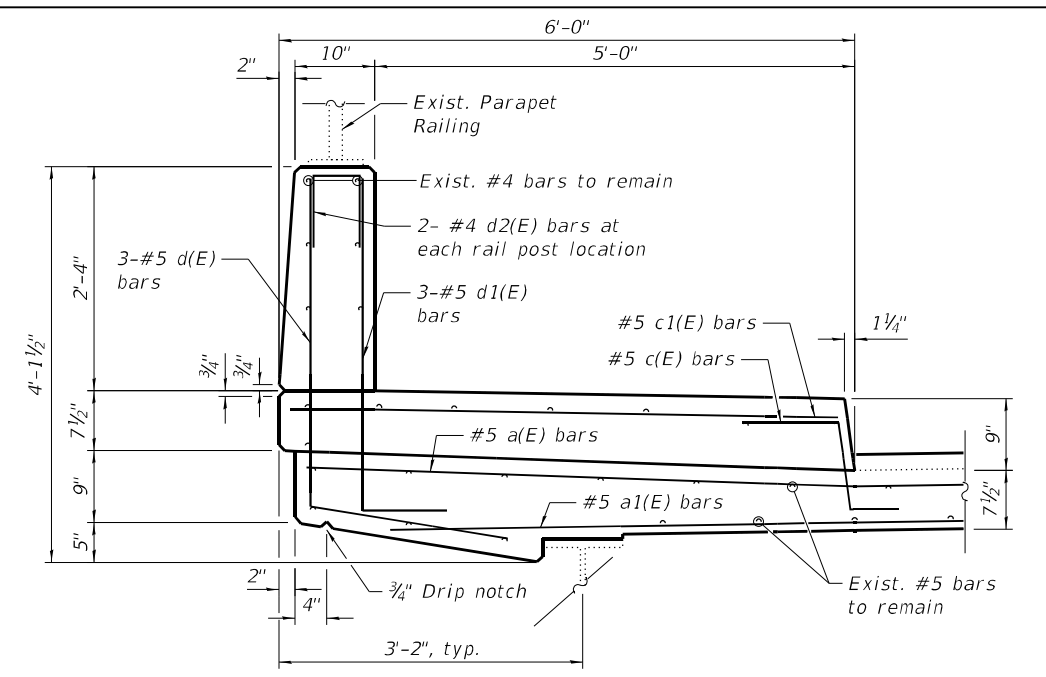
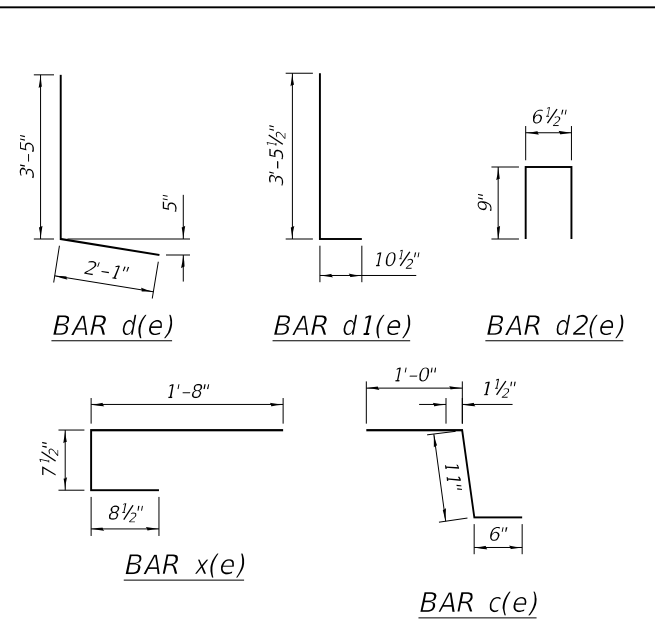
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0347	FAP 0347 22 BJ	COOK	42	27
CONTRACT NO. 62T14			ILLINOIS FED. AID PROJECT	

MODEL: Default
 FILE NAME: C:\Users\mpate\orionengineers\c.com\Orion Admin - 20221008 - IDOT PFB 195-0131\Work Order #7 (62T14)\CADD\Sheet Files\0160962-62T14-Exp-Joint-Details.dgn

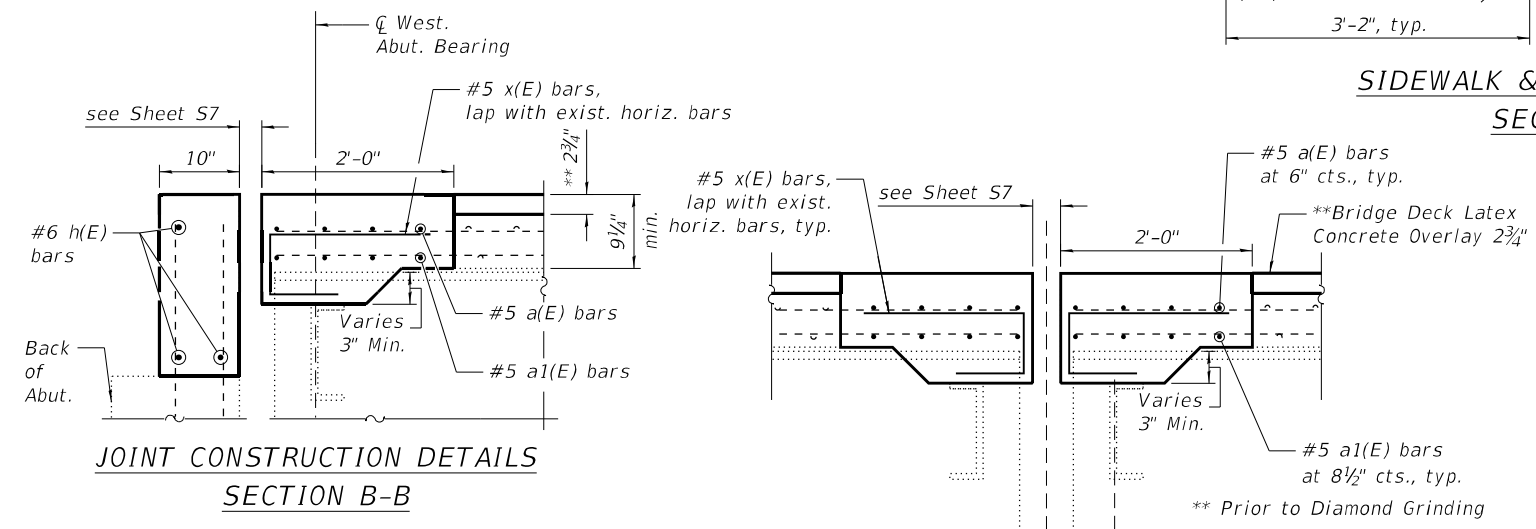


**EXPANSION PLAN
WEST ABUTMENT**
(East Abutment opposite hand)

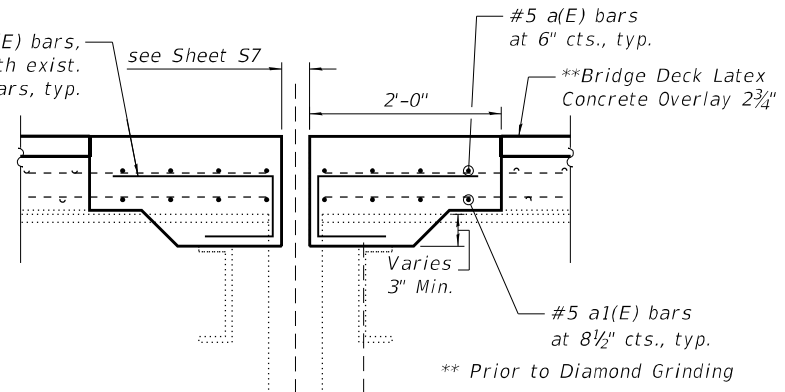
**EXPANSION PLAN
PIER**
Parapet reinforcement not shown for clarity.
See Sidewalk & Parapet Section this sheet.



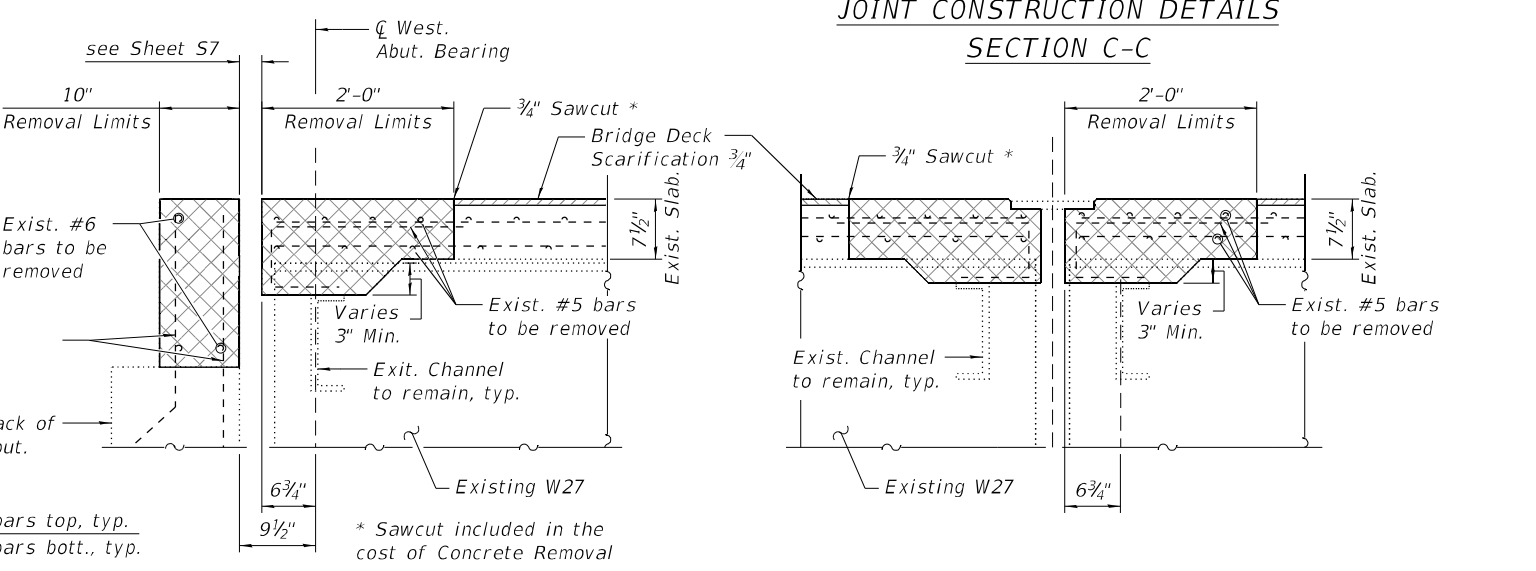
**SIDEWALK & PARAPET SECTION
SECTION D-D**



**JOINT CONSTRUCTION DETAILS
SECTION B-B**



**JOINT CONSTRUCTION DETAILS
SECTION C-C**



**JOINT REMOVAL DETAILS
SECTION B-B**

**JOINT REMOVAL DETAILS
SECTION C-C**

NOTES
 For details of Preformed Joint Strip Seal Expansion Joints, see Sheet S7 and S8
 Existing longitudinal deck and sidewalk reinforcement shall remain in place. 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 slabs, beams, and diaphragms caused by his operation as directed by the engineer at no additional cost to the department.

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a(E)	64	#5	29'-6"	—
a1(E)	64	#5	28'-8"	—
c(E)	72	#5	2'-5"	└
c1(E)	72	#5	5'-8"	—
d(E)	48	#5	5'-6"	L
d1(E)	48	#5	4'-4"	L
d2(E)	32	#4	2'-1"	n
h(E)	12	#6	28'-8"	—
x(E)	400	#5	3'-0"	└
Concrete Removal			Cu. Yd.	50.3
Concrete Superstructure			Cu. Yd.	52.1
Reinforcement Bars.			Pound	6,800
Epoxy Coated				



USER NAME =	DESIGNED - LJ	REVISED -
PLOT SCALE =	DRAWN - RB	REVISED -
PLOT DATE = 11/1/2023 8:58:25 AM	CHECKED - LJ	REVISED -
	DATE - 08/11/2023	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

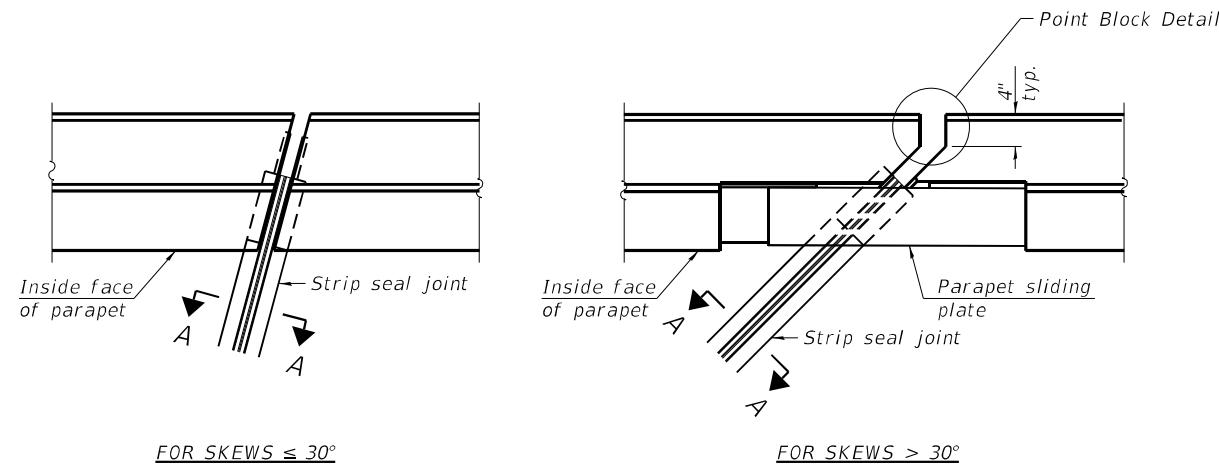
**EXPANSION JOINT DETAILS
STRUCTURE NO. 016-0962**

SHEET 56 OF 512 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0347	FAP 0347 22 BJ	COOK	42	28
CONTRACT NO. 62T14				

ILLINOIS FED. AID PROJECT

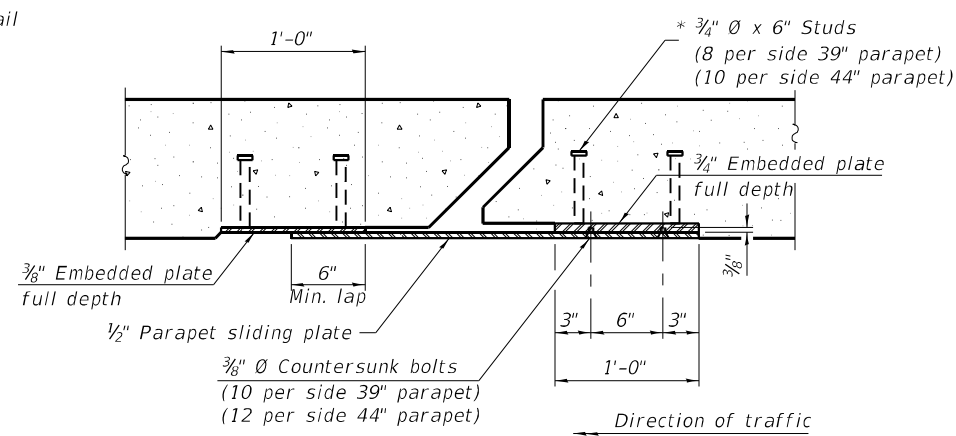
MODEL: Default
 FILE NAME: C:\Users\mpate\OneDrive\Engineering\Orion Admin - 2021008 - IDOT PTB 195-0131\Work Order #7 (62T14)\CADD\Sheet Files\0160962-62T14-PISS.1.dgn



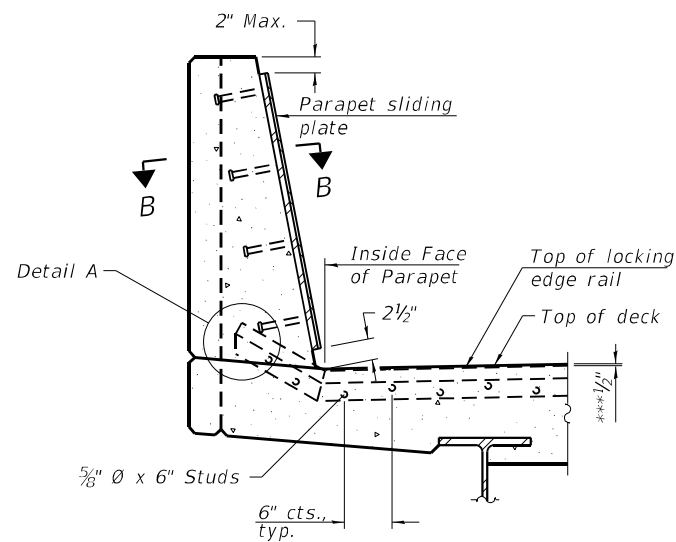
FOR SKEWS $\leq 30^\circ$

PLAN AT PARAPET

FOR SKEWS $> 30^\circ$

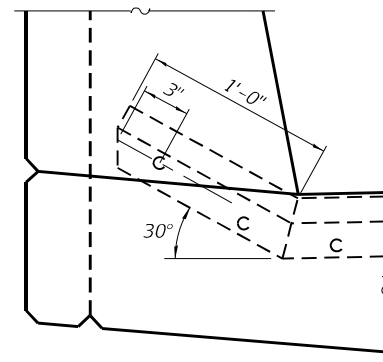


SECTION B-B

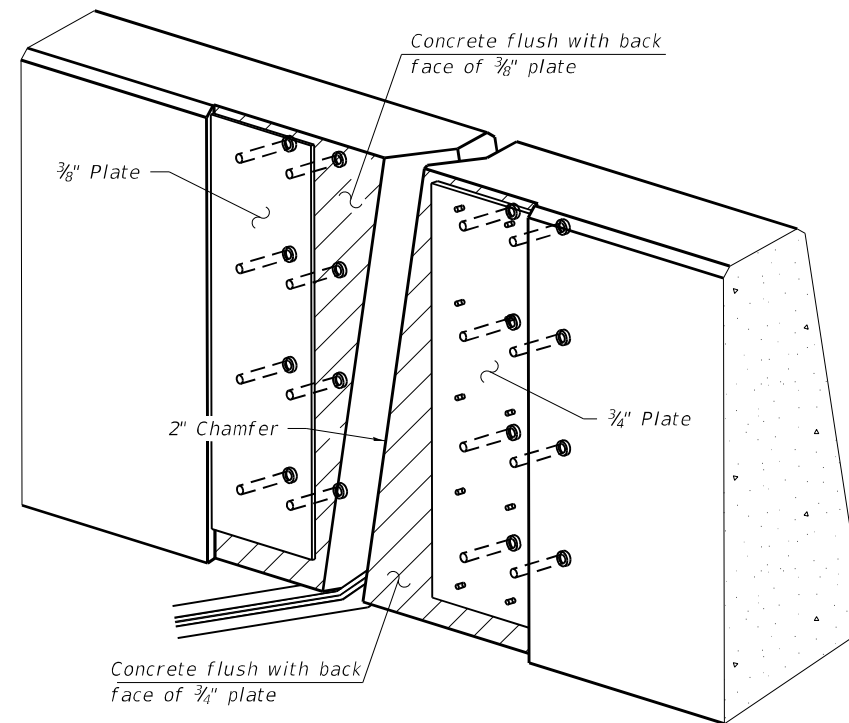


SECTION AT PARAPET

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

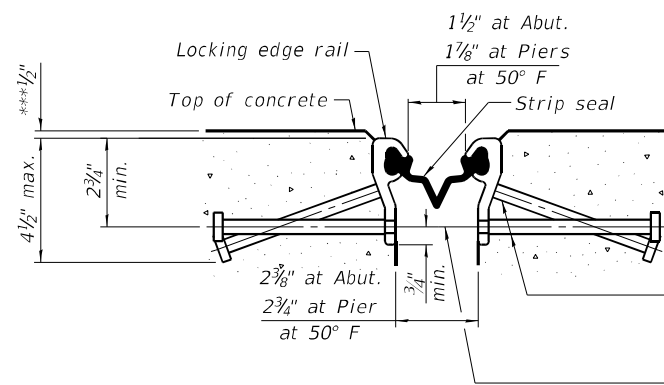


DETAIL A



TRIMETRIC VIEW

(Showing embedded plates only)



SHOWING ROLLED RAIL JOINT

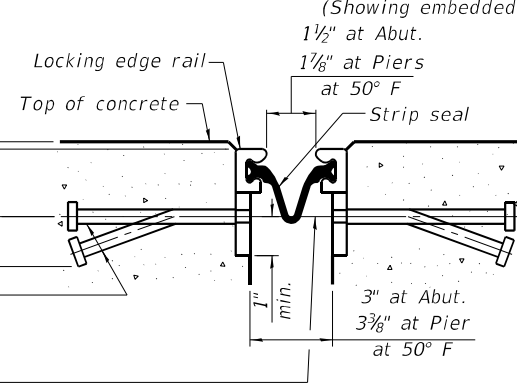
*** Prior to 1/4" grinding

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

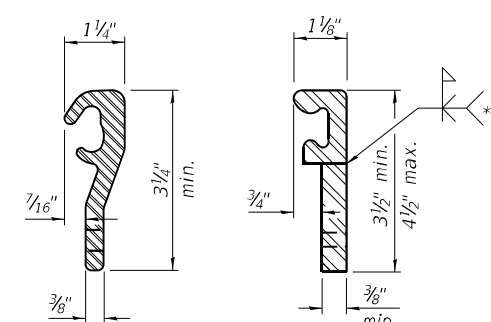
3/8" ϕ threaded rods in 1/16" ϕ holes at $\pm 4'-0"$ cts. for holding the proper joint opening based on the temperature during the deck pour. Place to miss studs. All rods shall be burned, or sawed off flush with the plates after concrete is set.

SECTION A-A

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



SHOWING WELDED RAIL JOINT

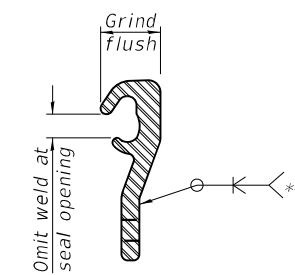


ROLLED (EXTRUDED) RAIL

WELDED RAIL

LOCKING EDGE RAILS

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



LOCKING EDGE RAIL SPLICE

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

BILL OF MATERIAL

Item	Unit	Total
Preformed Joint Strip Seal	Foot	290



USER NAME =	DESIGNED - LJ	REVISED -
PLOT SCALE =	DRAWN - RB	REVISED -
PLOT DATE = 11/1/2023 8:58:41 AM	CHECKED - LJ	REVISED -
	DATE - 08/11/2023	REVISED -

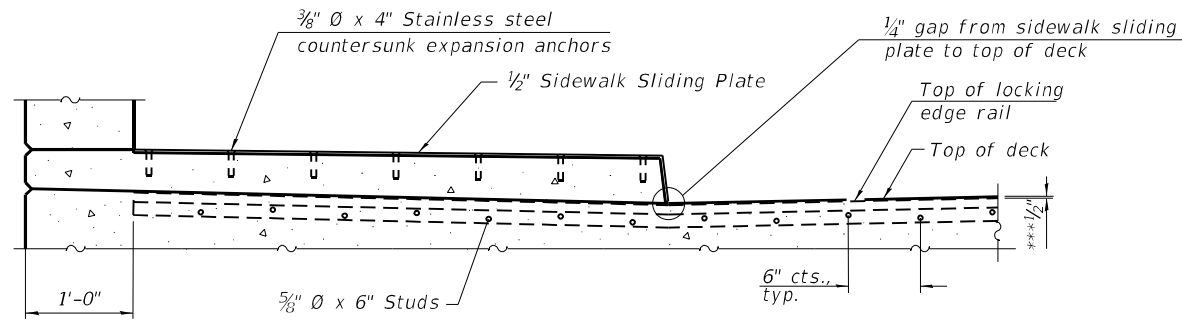
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PREFORMED JOINT STRIP SEAL - SIDEWALK (1 of 2)
 STRUCTURE NO. 016-0962

SHEET 57 OF 512 SHEETS

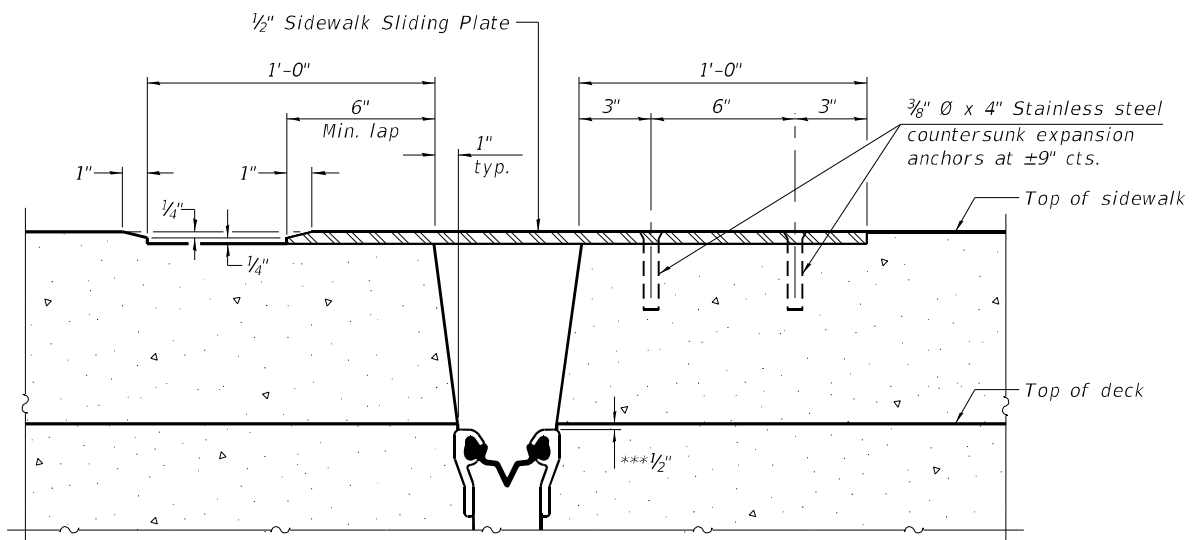
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0347	FAP 0347 22 BJ	COOK	42	29
			CONTRACT NO. 62T14	
		ILLINOIS FED. AID PROJECT		

MODEL: Default
 FILE NAME: C:\Users\mpate\orionengineers\ic.com\Orion Admin - 2021008 - IDOT PFB 195-013\Work Order - 2021008 - 162T14\CADD\Sheet Files\0160962-62T14-P1552.dgn

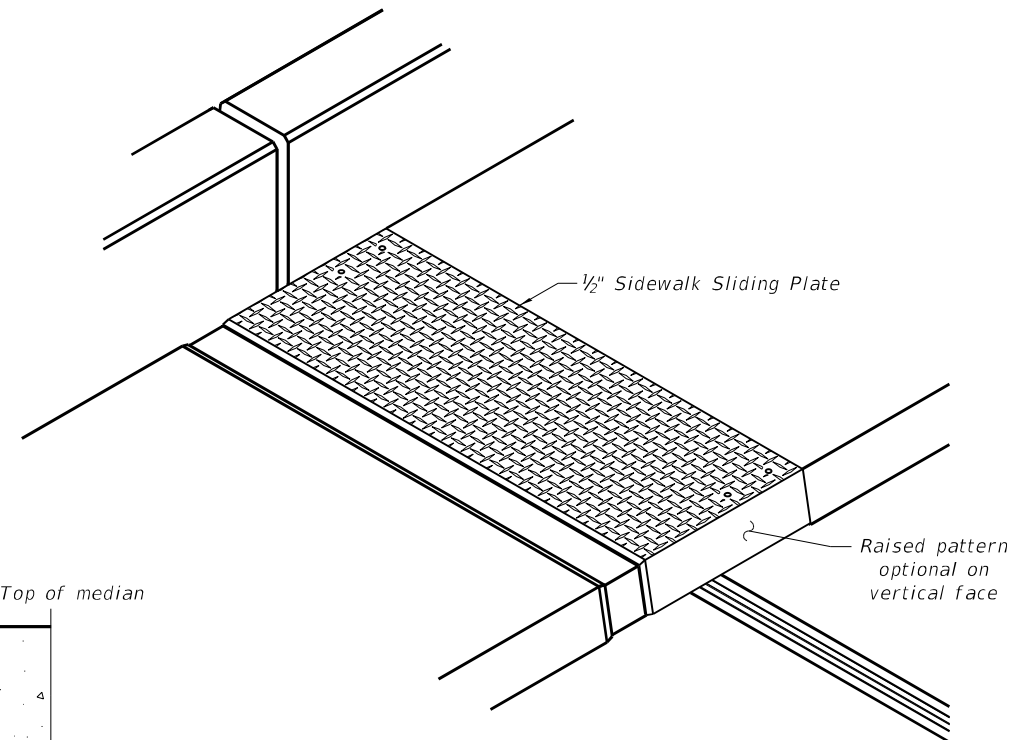


SECTION AT RAISED SIDEWALK

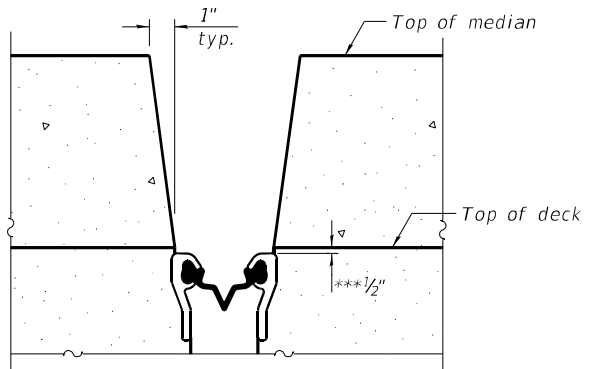
*** Prior to 1/4" grinding



SECTION C-C



TRIMETRIC VIEW



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



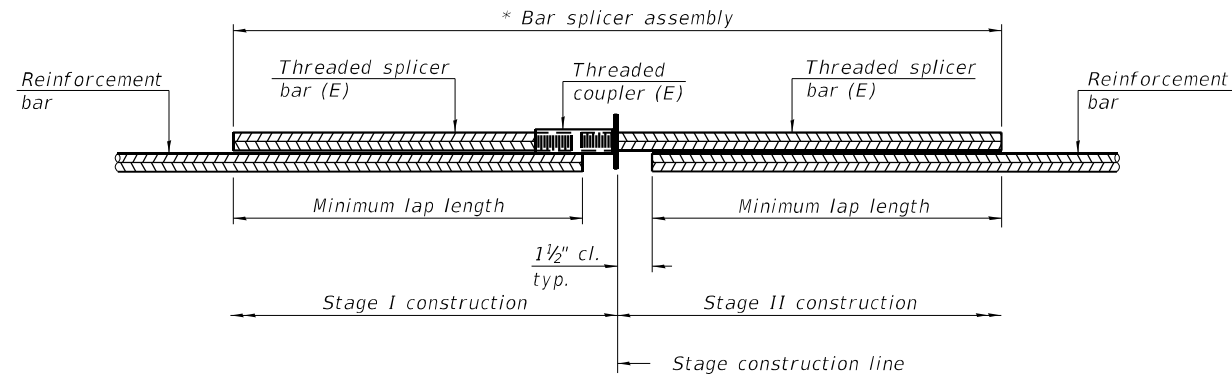
USER NAME =	DESIGNED - LJ	REVISED -
PLOT SCALE =	DRAWN - RB	REVISED -
PLOT DATE = 11/1/2023 8:58:43 AM	CHECKED - LJ	REVISED -
	DATE - 08/11/2023	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**PREFORMED JOINT STRIP SEAL - SIDEWALK (2 OF 2)
 STRUCTURE NO. 016-0962**

SHEET 58 OF 512 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0347	FAP 0347 22 BJ	COOK	42	30
CONTRACT NO. 62T14			ILLINOIS FED. AID PROJECT	

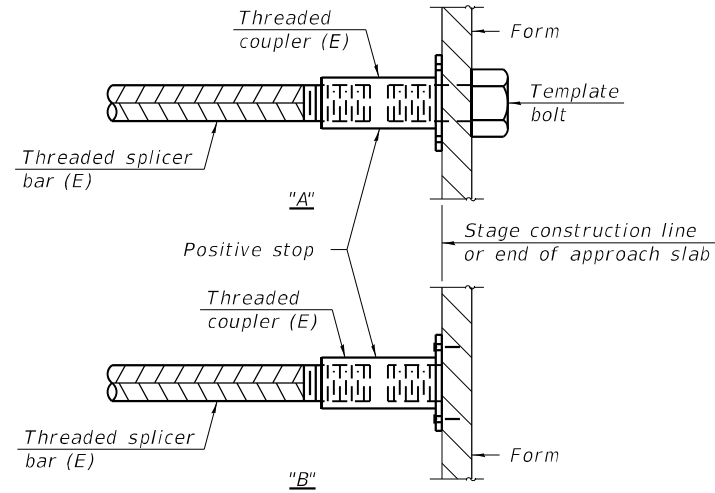


STANDARD BAR SPLICER ASSEMBLY PLAN
 (All components shall be provided from one supplier)

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

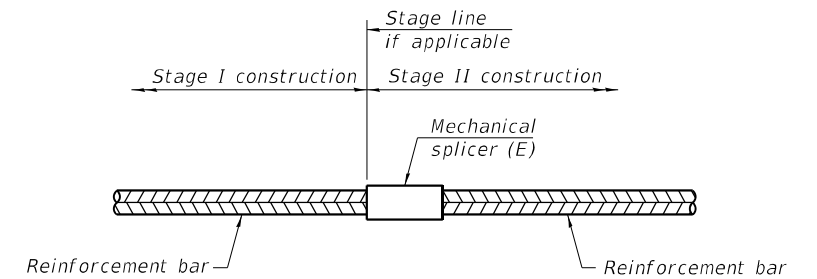
* Epoxy not required on Bar Splicer Assembly components used in conjunction with black bars.

Location	Bar size	No. assemblies required	Minimum lap length
Abutments	#6	6	4'-0"
Abutments	#5	16	3'-6"
Piers	#5	48	3'-6"



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

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: C:\Users\mpate\orionengineers\ic.com\Orion Admin - 2021008 - IDOT PFB 195-0131\Work Order #7 (62T14)\CADD\Sheet Files\0160962-62T14-BarSplicer.dgn



USER NAME =	DESIGNED - LJ	REVISED -
	DRAWN - RB	REVISED -
PLOT SCALE =	CHECKED - LJ	REVISED -
PLOT DATE = 11/1/2023 8:58:45 AM	DATE - 08/11/2023	REVISED -

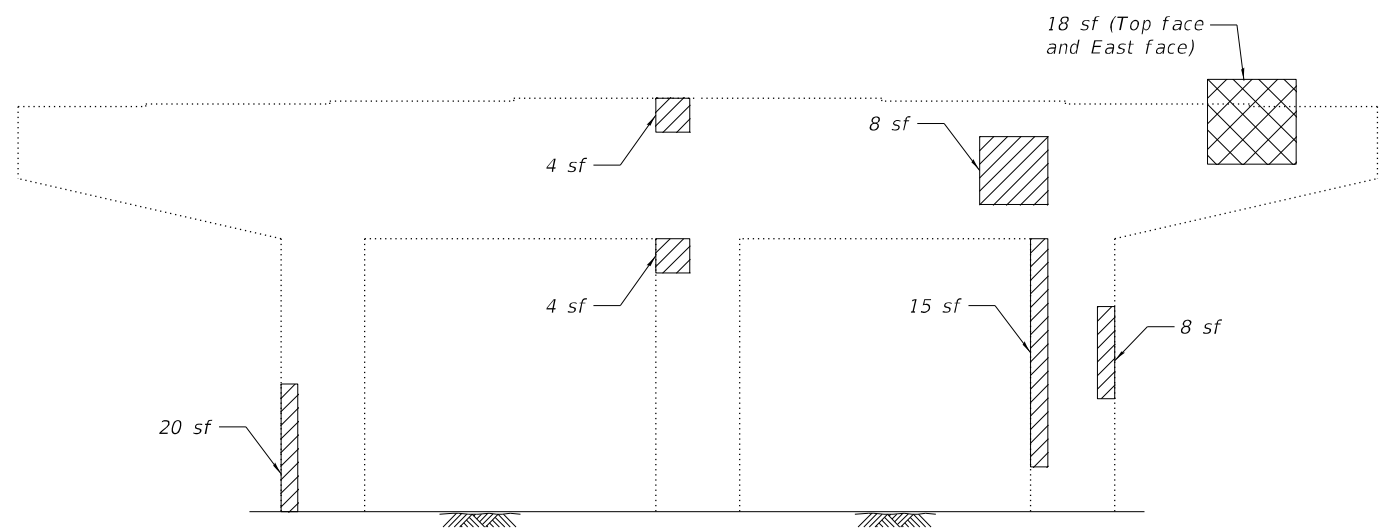
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**BAR SPLICER ASSEMBLY AND MECHANICAL SPLICER DETAILS
 STRUCTURE NO. 016-0962**

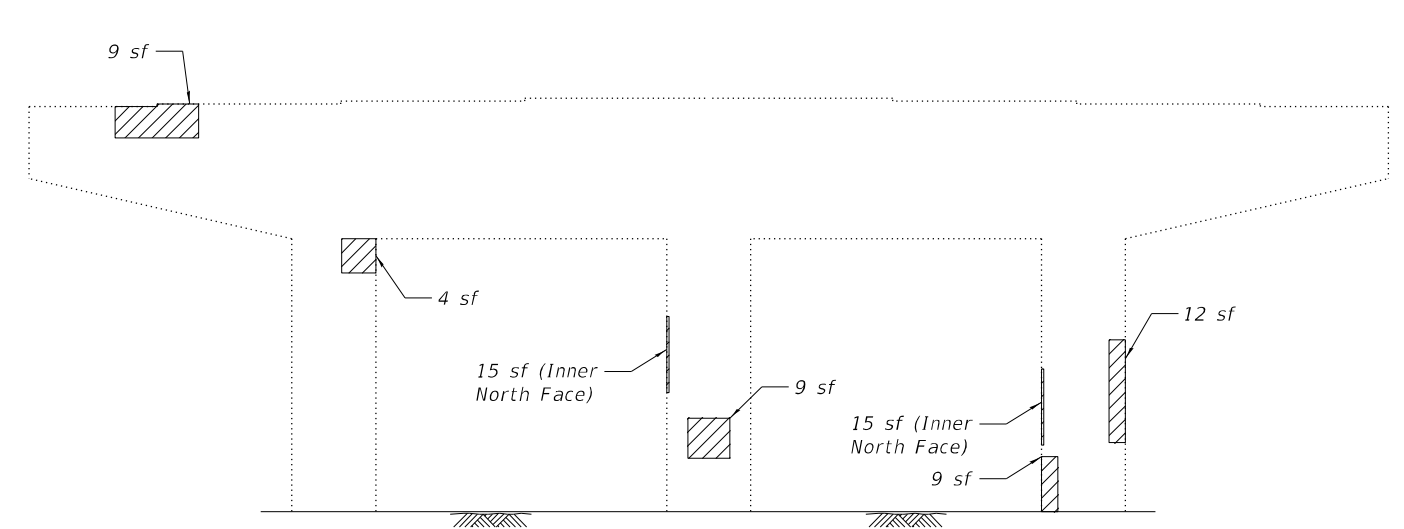
SHEET 59 OF 512 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0347	FAP 0347 22 BJ	COOK	42	31
ILLINOIS			CONTRACT NO. 62T14	
FED. AID PROJECT				

MODEL: Default
 FILE NAME: C:\Users\mpate\orionengineers\c.com\Orion Admin - 2021008 - IDOT PTB 195-0131\Work Order #7 (62T14)\CADD\Sheet Files\0160962-62T14-Sub.dgn



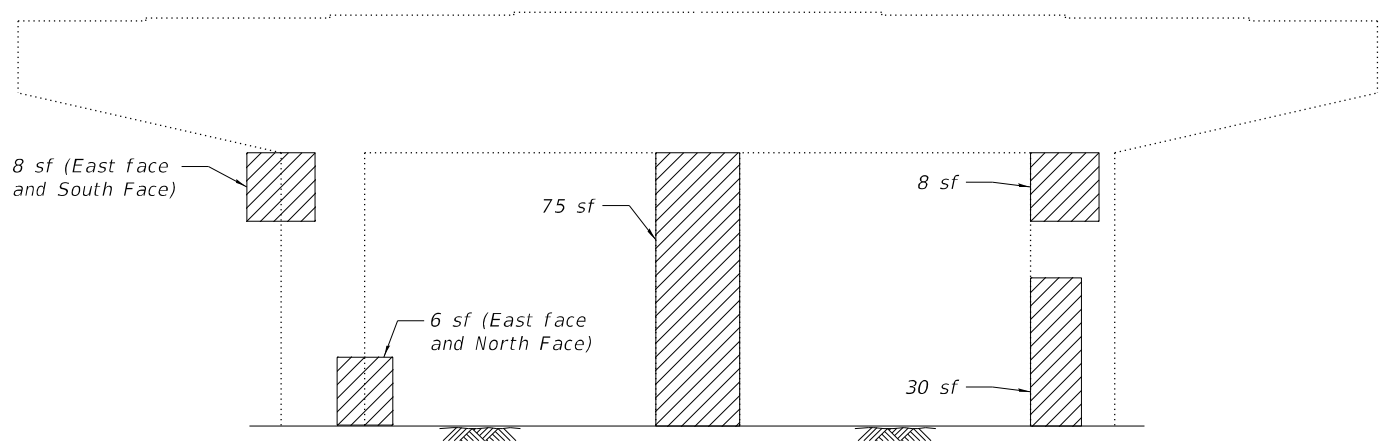
PIER 4 - EAST FACE



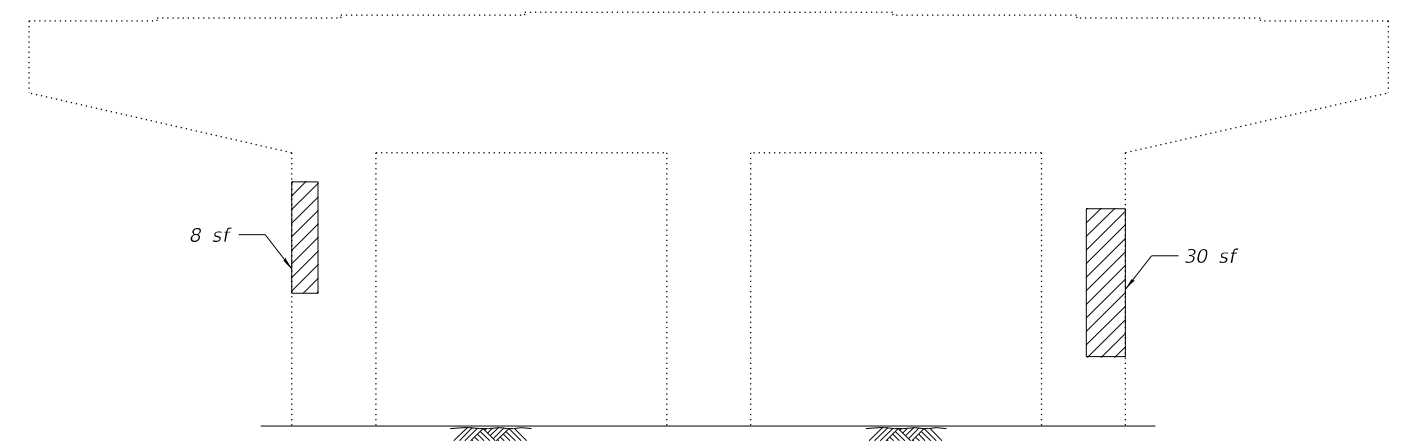
PIER 4 - WEST FACE

LEGEND

- Structural Repair of Concrete less than 5"
- Structural Repair of Concrete greater than 5"



PIER 7 - EAST FACE



PIER 7 - WEST FACE



USER NAME =	DESIGNED - LJ	REVISED -
	DRAWN - RB	REVISED -
PLOT SCALE =	CHECKED - LJ	REVISED -
PLOT DATE = 11/1/2023 8:58:46 AM	DATE - 08/11/2023	REVISED -

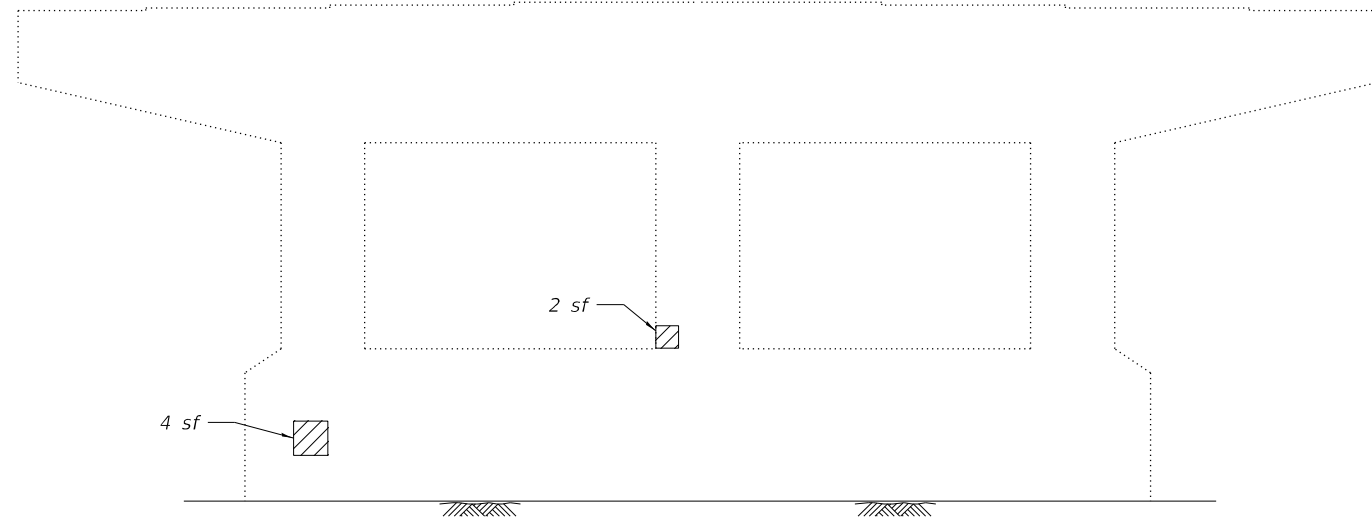
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SUBSTRUCTURE REPAIR (1 of 3)
 STRUCTURE NO. 016-0962

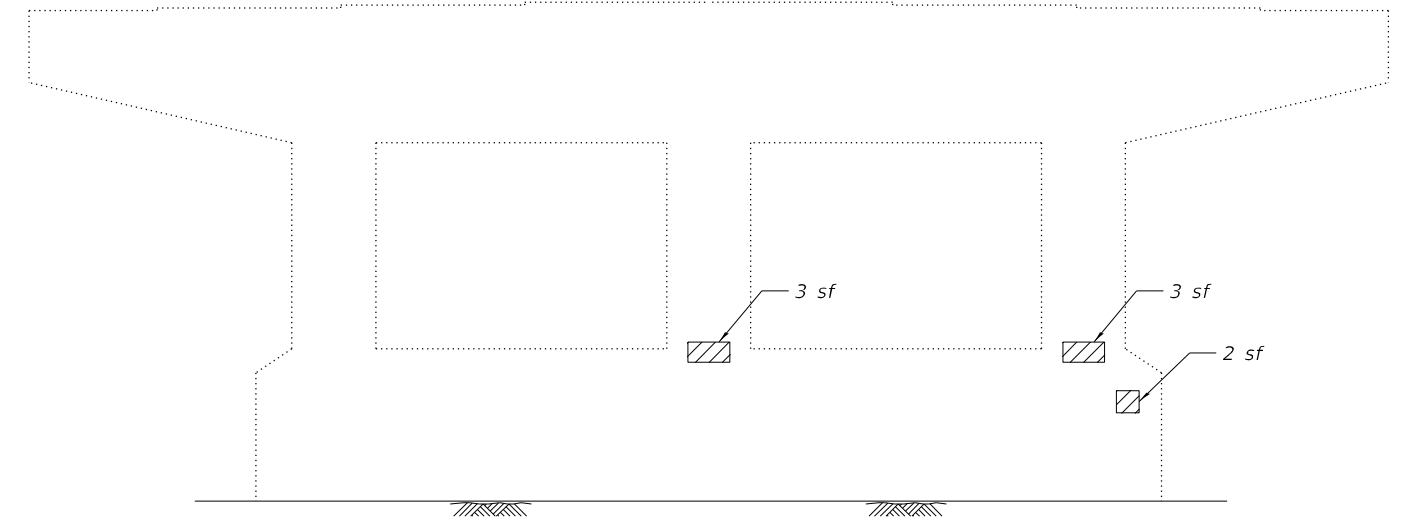
SHEET 510 OF 512 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0347	FAP 0347 22 BJ	COOK	42	32
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62T14	

MODEL: Default
 FILE NAME: C:\Users\mpate\orionengineers\c.com\Orion Admin - 2021008 - IDOT PFB 195-0131\Work Order #7 (62T14)\CADD\Sheet Files\0160962-62T14-Sub2.dgn




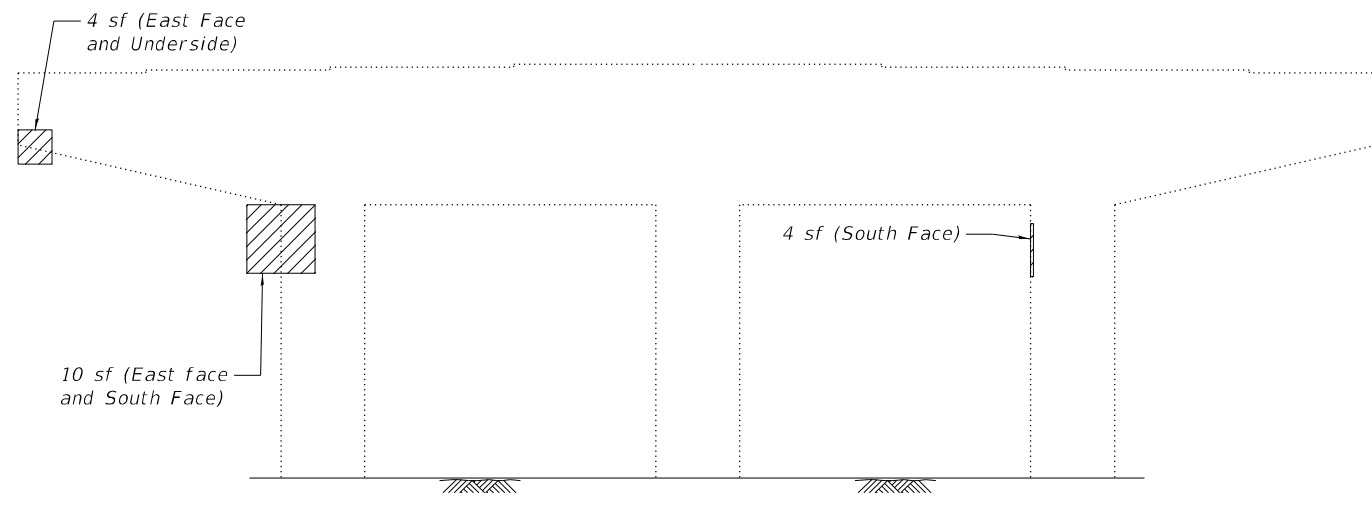
PIER 9 - EAST FACE



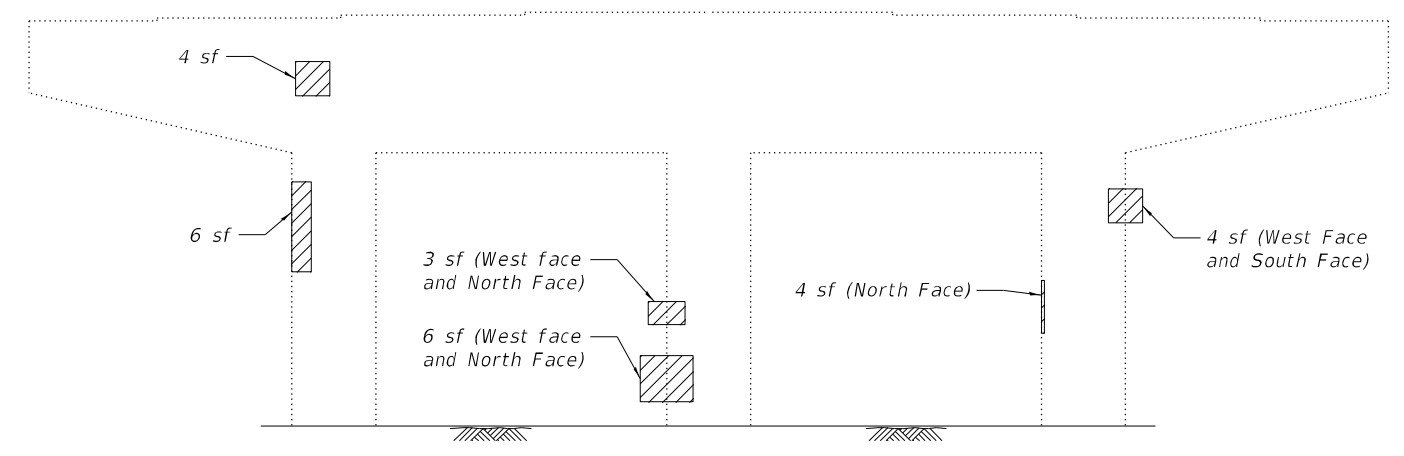
PIER 9 - WEST FACE

LEGEND

-  - Structural Repair of Concrete less than 5"
-  - Structural Repair of Concrete greater than 5"



PIER 10 - EAST FACE



PIER 10 - WEST FACE



USER NAME =	DESIGNED - LJ	REVISED -
DRAWN - RB	REVISED -	
PLOT SCALE =	CHECKED - LJ	REVISED -
PLOT DATE = 11/1/2023 8:58:47 AM	DATE - 08/11/2023	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

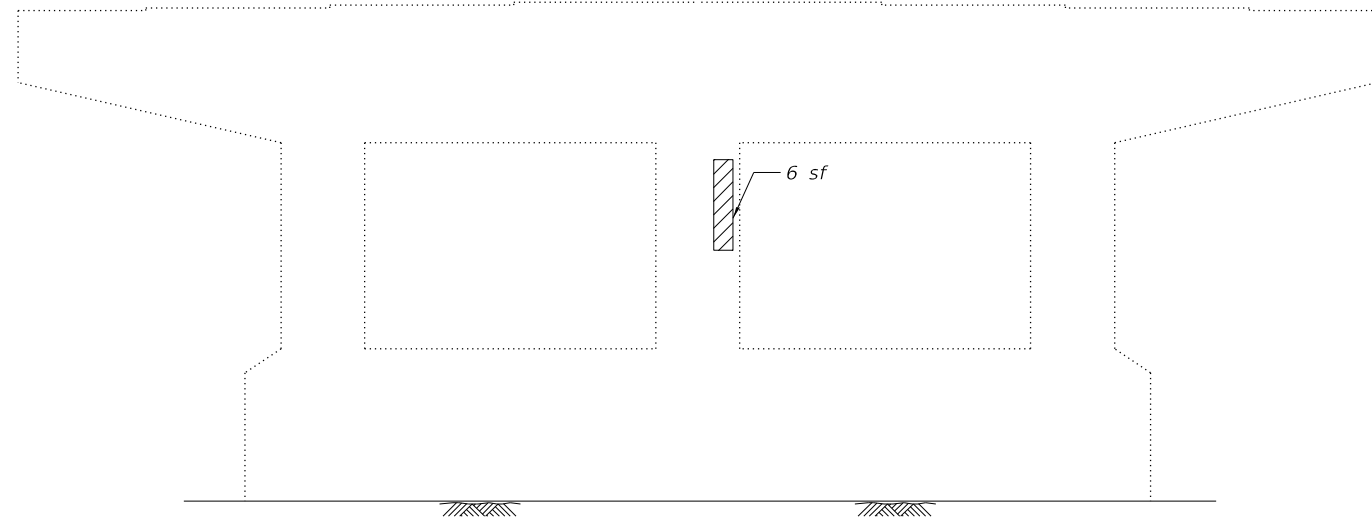
SUBSTRUCTURE REPAIR (2 of 3)
 STRUCTURE NO. 016-0962

SHEET S11 OF 512 SHEETS

F.A.U. RTE. 0347	SECTION FAP 0347 22 BJ	COUNTY COOK	TOTAL SHEETS 42	SHEET NO. 33
CONTRACT NO. 62T14				

ILLINOIS FED. AID PROJECT

MODEL: Default
 FILE NAME: C:\Users\jannullis\orionengineersllc.com\Orion Admin - 2021008 - IDOT PTB 199-013\Work Order #7 (62T14)\CADD\Sheet Files\0160962-62T14-Sub3.dgn

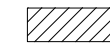



PIER 5 - WEST FACE



EAST ABUTMENT - WEST FACE

LEGEND

-  - Structural Repair of Concrete less than 5"
-  - Structural Repair of Concrete greater than 5"

BILL OF MATERIAL

ITEM	UNIT	TOTAL
Structural Repair of Concrete (Depth Equal to or Less than 5 Inches)	Sq Ft	366
Structural Repair of Concrete (Depth Greater than 5 Inches)	Sq Ft	18



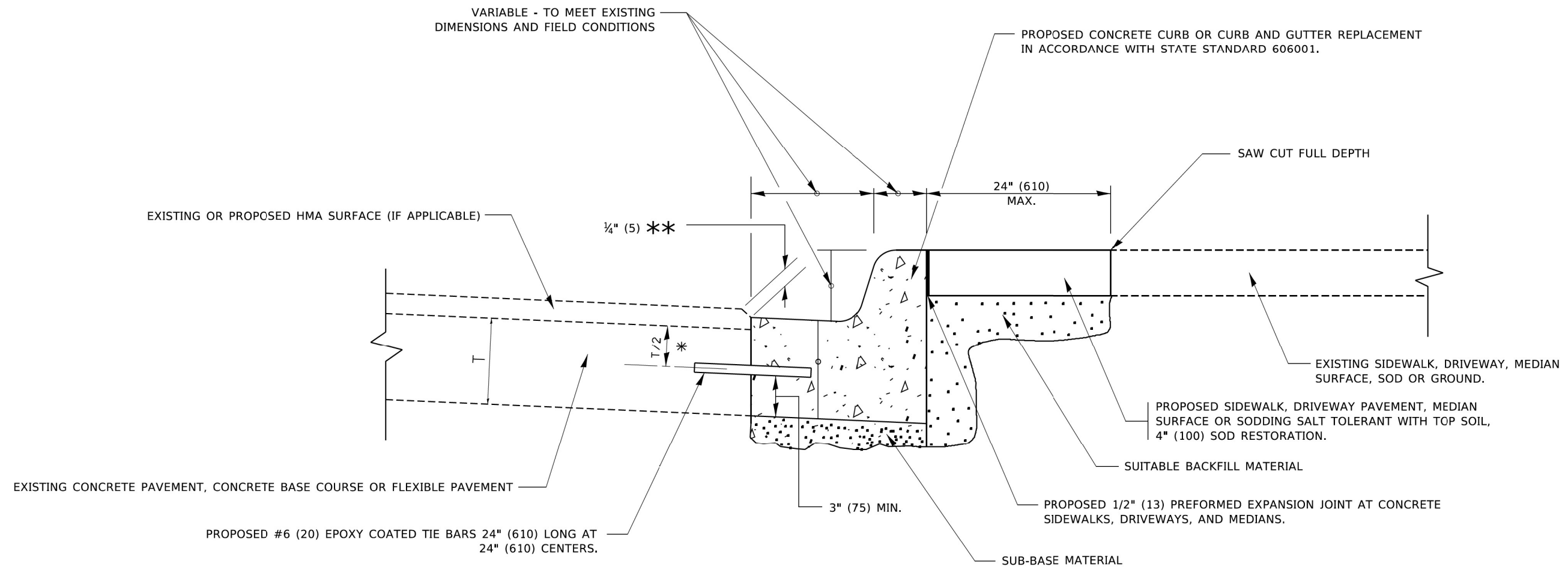
USER NAME =	DESIGNED - LJ	REVISED -
	DRAWN - RB	REVISED -
PLOT SCALE =	CHECKED - LJ	REVISED -
PLOT DATE = 11/21/2023 10:11:20 AM	DATE - 08/11/2023	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**SUBSTRUCTURE REPAIR (3 of 3)
 STRUCTURE NO. 016-0962**

SHEET 512 OF 512 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0347	FAP 0347 22 BJ	COOK	42	34
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62T14	

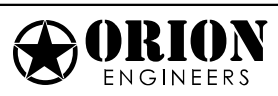


- * 3" (75) MINIMUM FROM TOP AND BOTTOM OF THE CONCRETE PAVEMENT OR BASE COURSE.
- ** IF THE FINAL SURFACE OF THE PAVEMENT IS CONCRETE, THE GUTTER IS TO BE FLUSH WITH THE PAVEMENT.

CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

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

MODEL: Default
FILE NAME: C:\Users\mpatel\OneDrive\OneDrive\Engineering\62114\62114\CADD\Sheet Files\62114.dwg
2021.008 - IDOT PTD - 19A-013\Work Order #7 (62114)\CADD\Sheet Files\62114.dwg



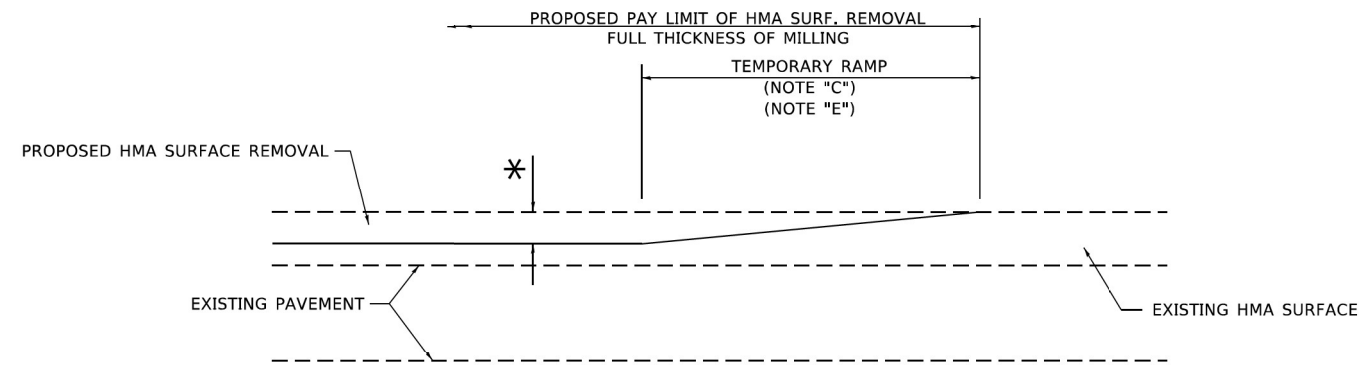
USER NAME = npatel	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 0.1667' / in.	CHECKED -	REVISED -
PLOT DATE = 10/19/2023	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CURB OR CURB AND GUTTER
REMOVAL AND REPLACEMENT**

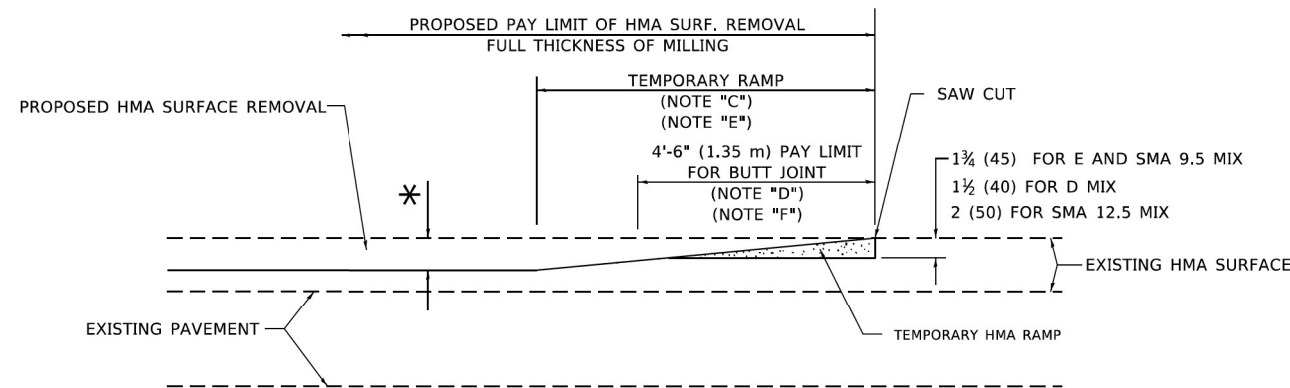
SCALE: N.T.S SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0347	FAP 0347 22 BJ	COOK	42	35
BD600-06 BD-24		CONTRACT NO. 62114		
ILLINOIS FED. AID PROJECT				



MILLED TEMPORARY RAMP
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

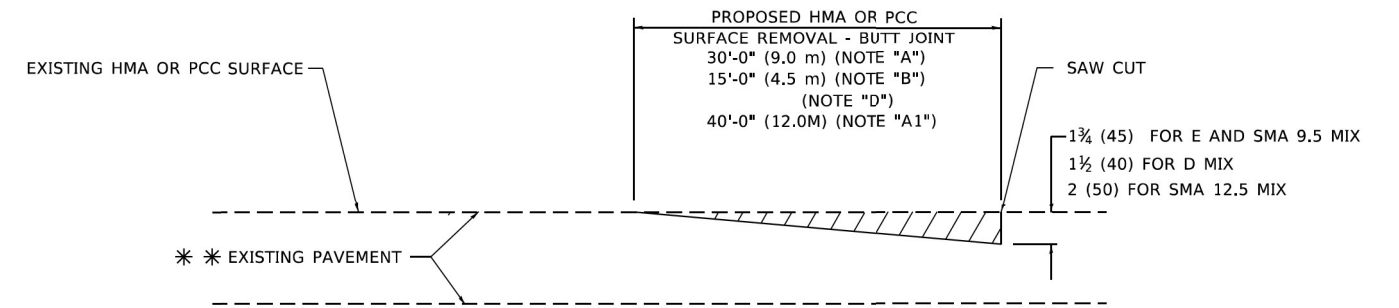
OPTION 1



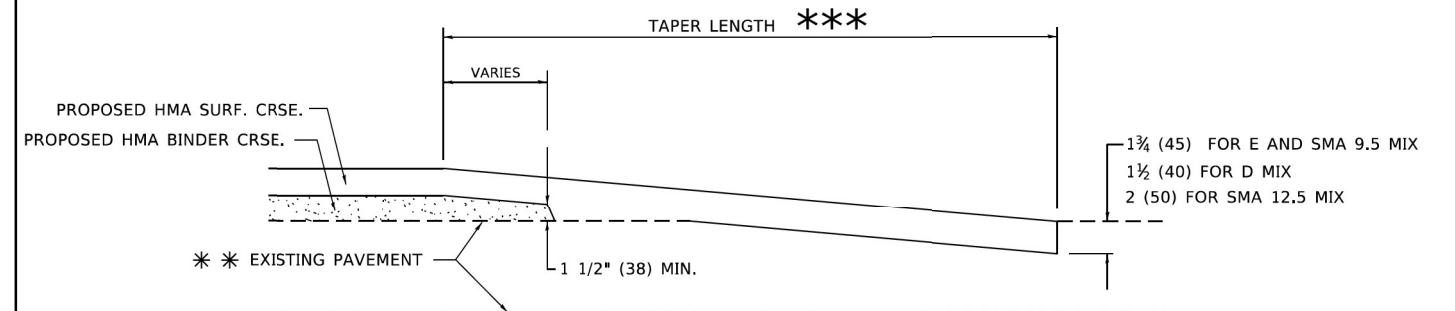
HMA CONSTRUCTED TEMPORARY RAMP
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 2

TYPICAL TEMPORARY RAMP



BUTT JOINT DETAIL



HMA TAPER DETAIL

TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY

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

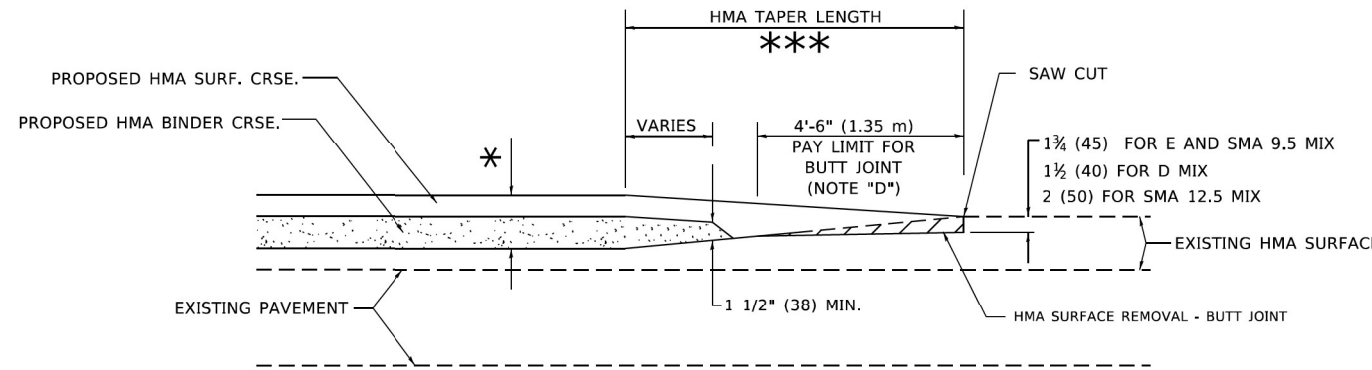
GENERAL NOTES

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

BASIS OF PAYMENT

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

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



BUTT JOINT AND HMA TAPER

TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING

MODEL: Default
FILE NAME: C:\Users\matalcra\OneDrive\OneDrive\Work\Orion\Orion_202108_1001_PTB_199-013\Work Order #7 (62114)\CADD\Sheet Files\012114.dwg-032.dgn



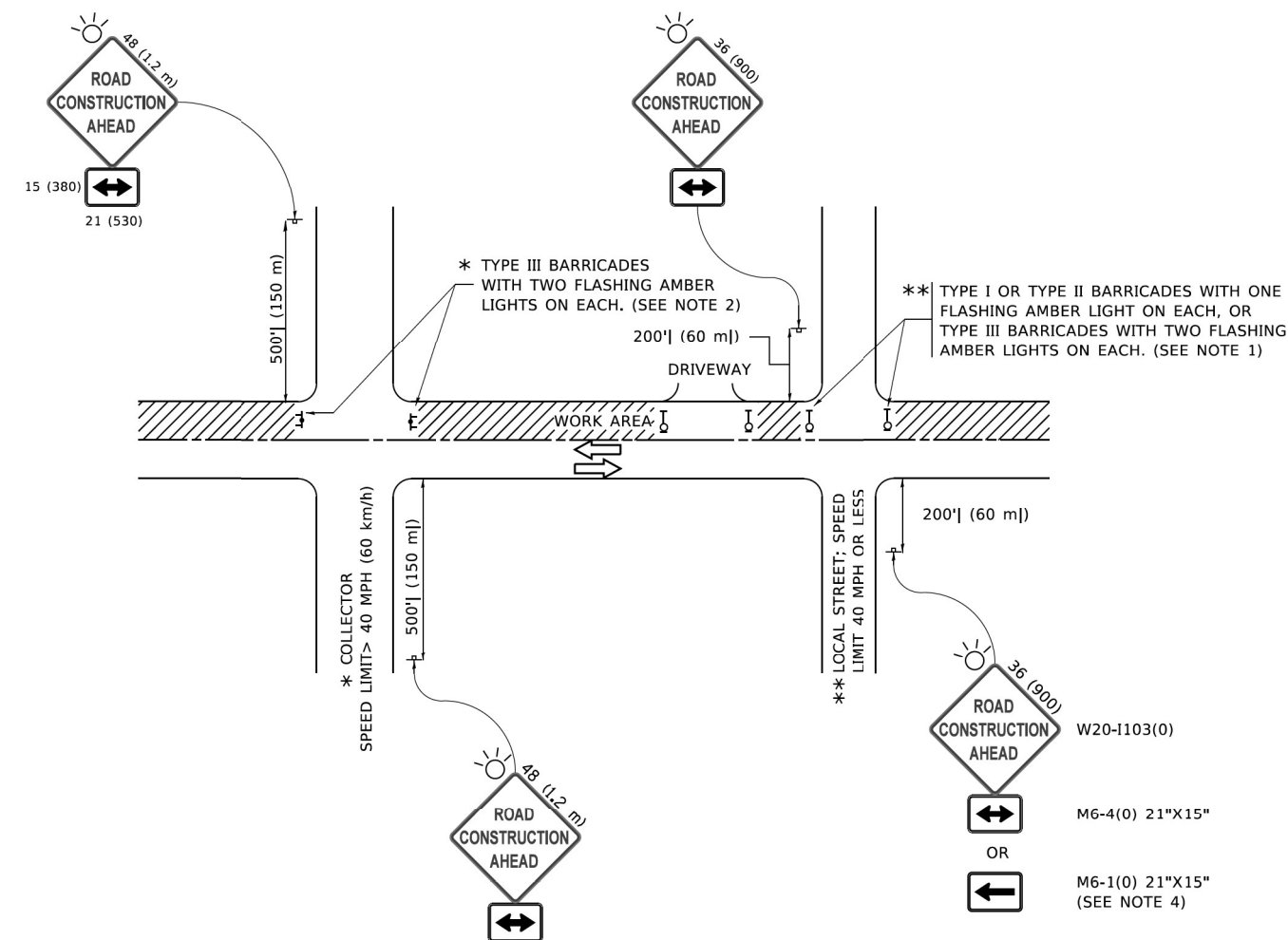
USER NAME = npatel	DESIGNED -	REVISED -
PLOT SCALE = 0.1667' / in.	DRAWN -	REVISED -
PLOT DATE = 10/19/2023	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ARTERIAL ROAD
HMA TAPER DETAILS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0347	FAP 0347 22 BJ	COOK	42	36
BD400-05 BD-32		CONTRACT NO. 62114		
ILLINOIS FED. AID PROJECT				

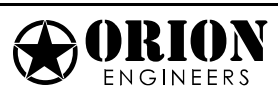


NOTES:

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

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

MODEL: Default
 FILE NAME: C:\Users\npatel\OneDrive\Documents\62114\Work\Order #7 (62114)\CADD\Sheet Files\62114.dwg
 2023.08.10 - IDOT - IDOT - 199-013\Work Order #7 (62114)\CADD\Sheet Files\62114.dwg



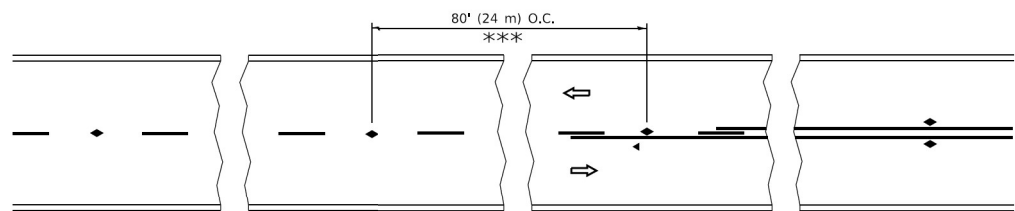
USER NAME = npatel	DESIGNED -	REVISED -
PLOT SCALE = 0.1667' / in.	DRAWN -	REVISED -
PLOT DATE = 10/19/2023	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

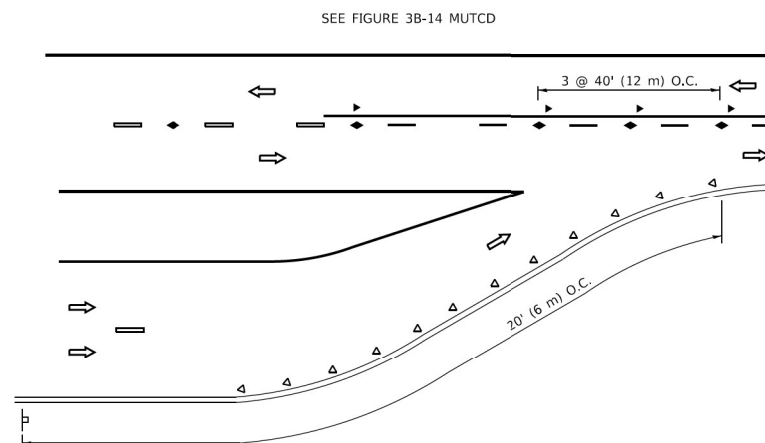
SCALE: N.T.S SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0347	FAP 0347 22 BJ	COOK	42	37
TC-10			CONTRACT NO. 62114	
ILLINOIS FED. AID PROJECT				

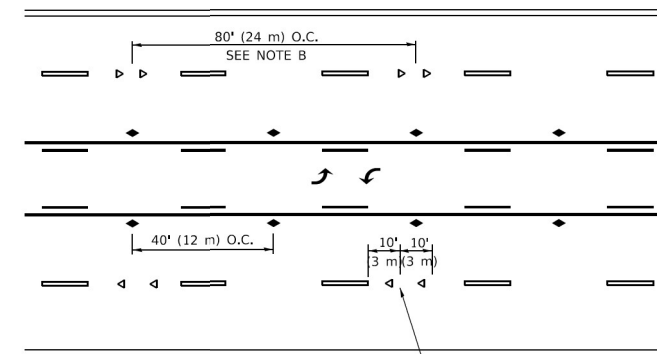


*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

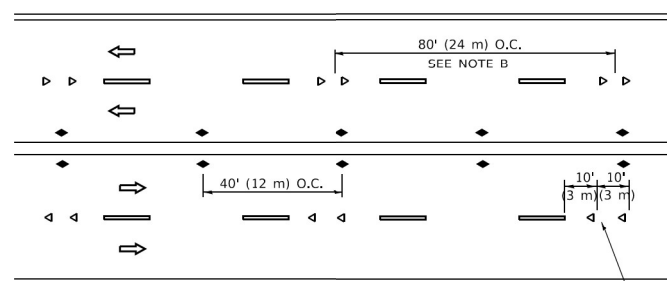
TWO-LANE/TWO-WAY



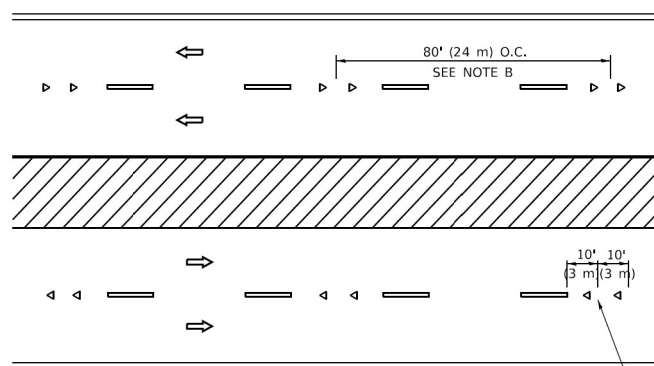
LANE REDUCTION TRANSITION



TWO-WAY LEFT TURN



MULTI-LANE/UNDIVIDED



MULTI-LANE/DIVIDED

GENERAL NOTES

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

SYMBOLS

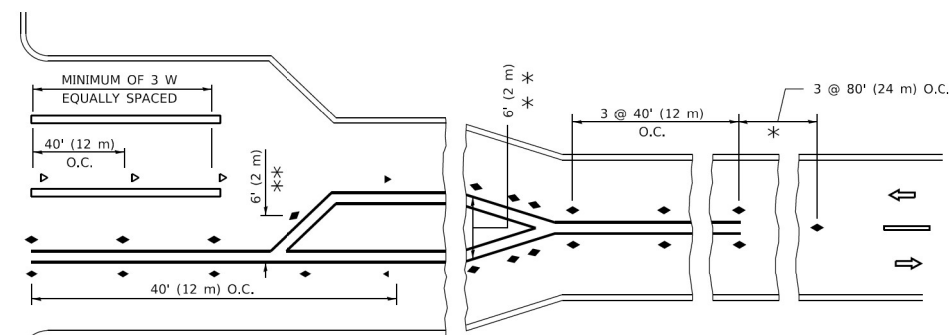
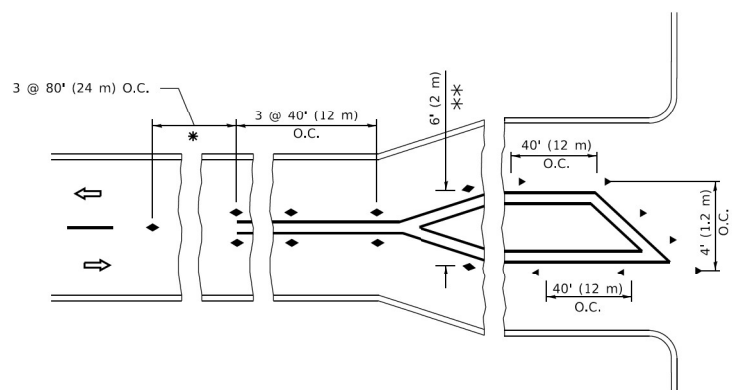
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◀ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

LANE MARKER NOTES

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

DESIGN NOTES

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



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

TURN LANES

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

MODEL: Default
 FILE NAME: C:\Users\npatel\OneDrive\Documents\Orion\2023\1008 - IDOT P&E\19A-013\Work Order #7 (62114)\CADD\Sheet Files\0127114-dt-c11.dgn

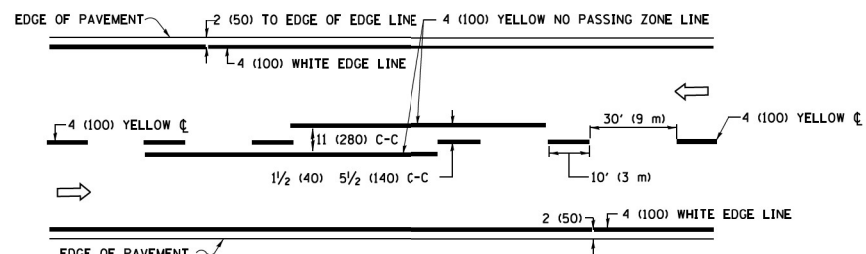


USER NAME = npatel	DESIGNED -	REVISED -
PLOT SCALE = 0.1667' / in.	DRAWN -	REVISED -
PLOT DATE = 10/19/2023	CHECKED -	REVISED -
	DATE -	REVISED -

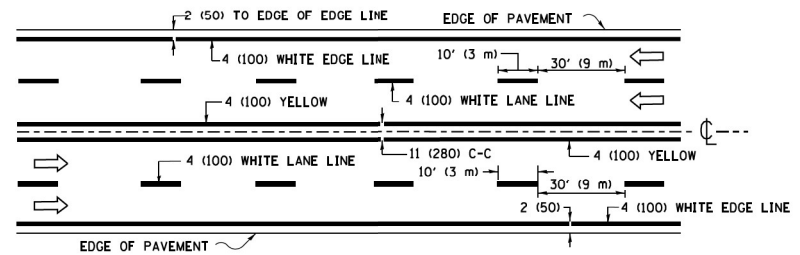
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

TYPICAL APPLICATIONS	
RAISED REFLECTIVE PAVEMENT MARKERS (SLOW - PLOW RESISTANCE)	
SCALE: N.T.S	SHEET 1 OF 1 SHEETS
STA. TO STA.	

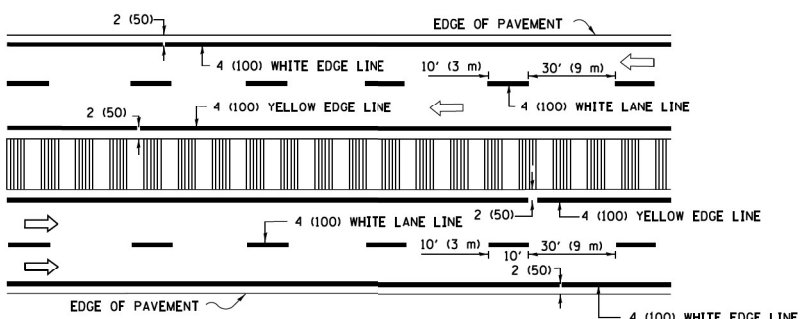
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0347	FAP 0347 22 BJ	COOK	42	38
TC-11		CONTRACT NO. 62114		
ILLINOIS FED. AID PROJECT				



2-LANE ROADWAY

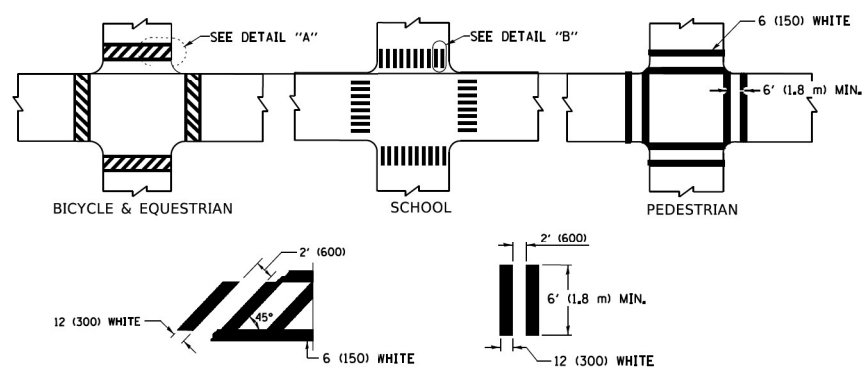


MULTI-LANE UNDIVIDED



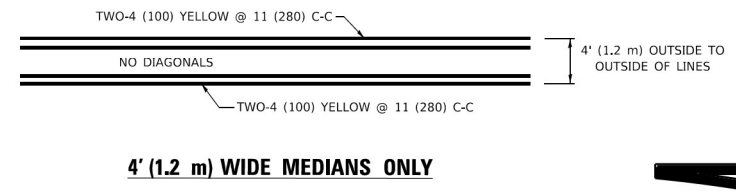
MULTI-LANE DIVIDED WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING

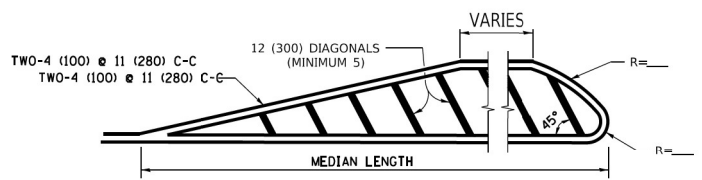


TYPICAL CROSSWALK MARKING

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

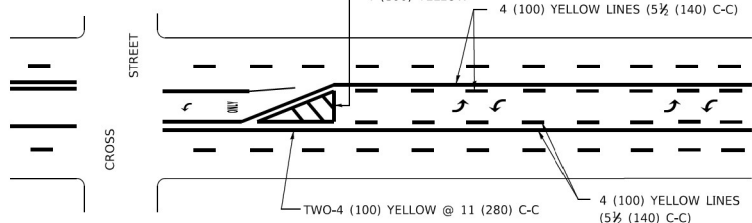


4' (1.2 m) WIDE MEDIANS ONLY



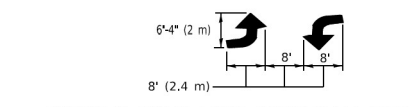
MEDIANS OVER 4' (1.2 m) WIDE

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



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

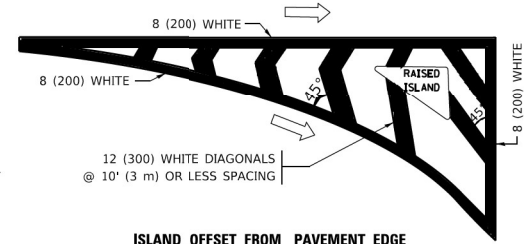
A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



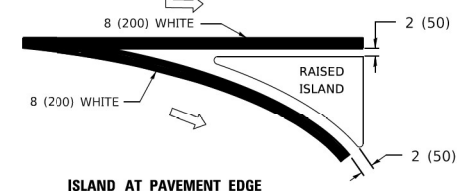
TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING

FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
AREA = 15.6 SQ. FT. (1.5 m²) ONLY AREA = 20.8 SQ. FT. (1.9 m²)
* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

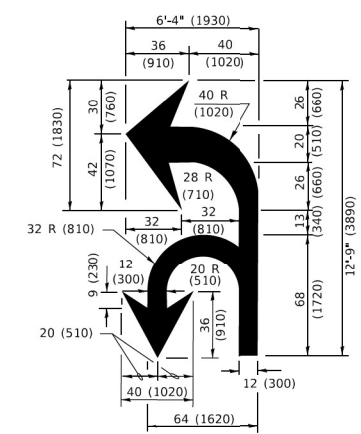


ISLAND OFFSET FROM PAVEMENT EDGE

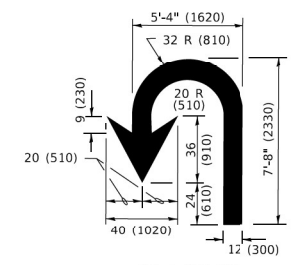


ISLAND AT PAVEMENT EDGE

TYPICAL ISLAND MARKING



COMBINATION LEFT AND U-TURN



U-TURN

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

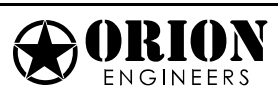
D(FT)	SPEED LIMIT
345	30
425	35
500	40
580	45
665	50
750	55

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

MODEL: Default
FILE NAME: C:\Users\matt\OneDrive\Work\621141\CADD\Sheet Files\621141.dwg
DATE: 10/19/2023
ORION ENGINEERS

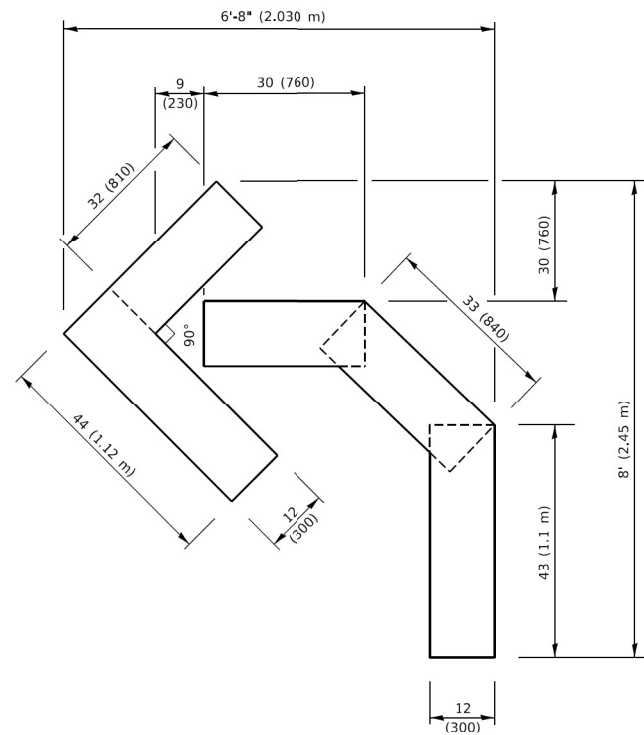


USER NAME = npatel	DESIGNED -	REVISED -
PLOT SCALE = 0.1667' / in.	DRAWN -	REVISED -
PLOT DATE = 10/19/2023	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

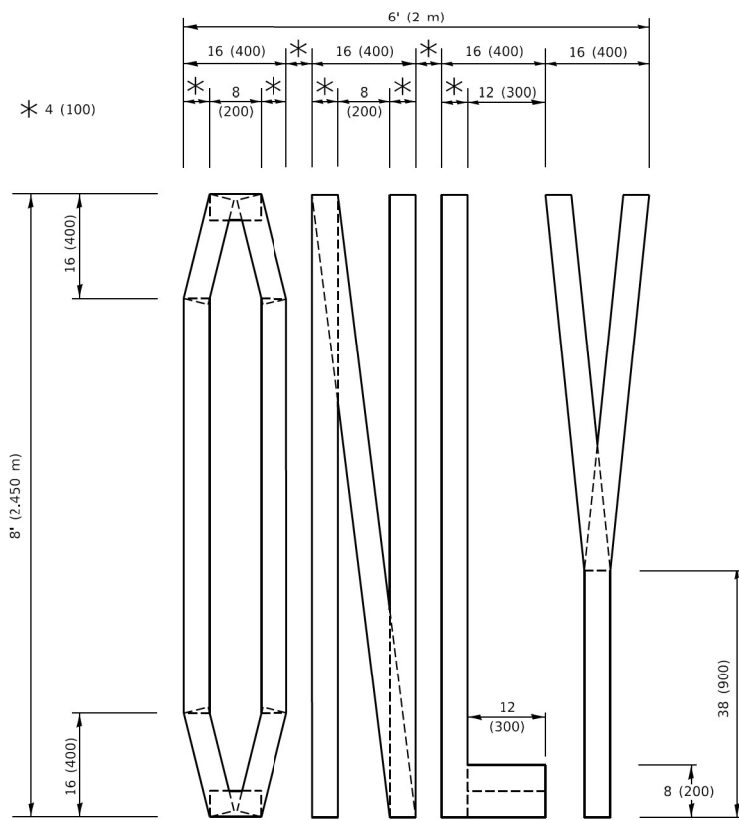
DISTRICT ONE	
TYPICAL PAVEMENT MARKINGS	
SCALE: N.T.S	SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE. 0347	SECTION FAP 0347 22 BJ	COUNTY COOK	TOTAL SHEETS 42	SHEET NO. 39
TC-13		CONTRACT NO. 62114		
ILLINOIS FED. AID PROJECT				



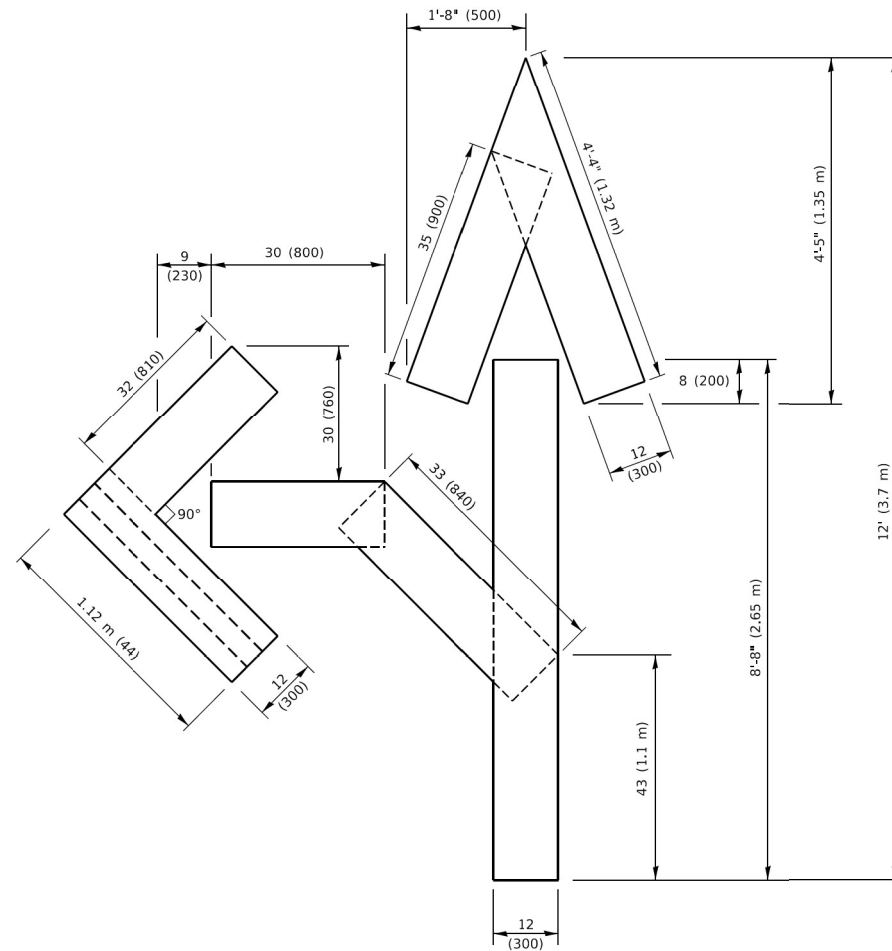
QUANTITY

4 (100) LINE = 45.5 ft. (13.9 m)
15.2 sq. ft. (1.41 sq. m)



QUANTITY

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

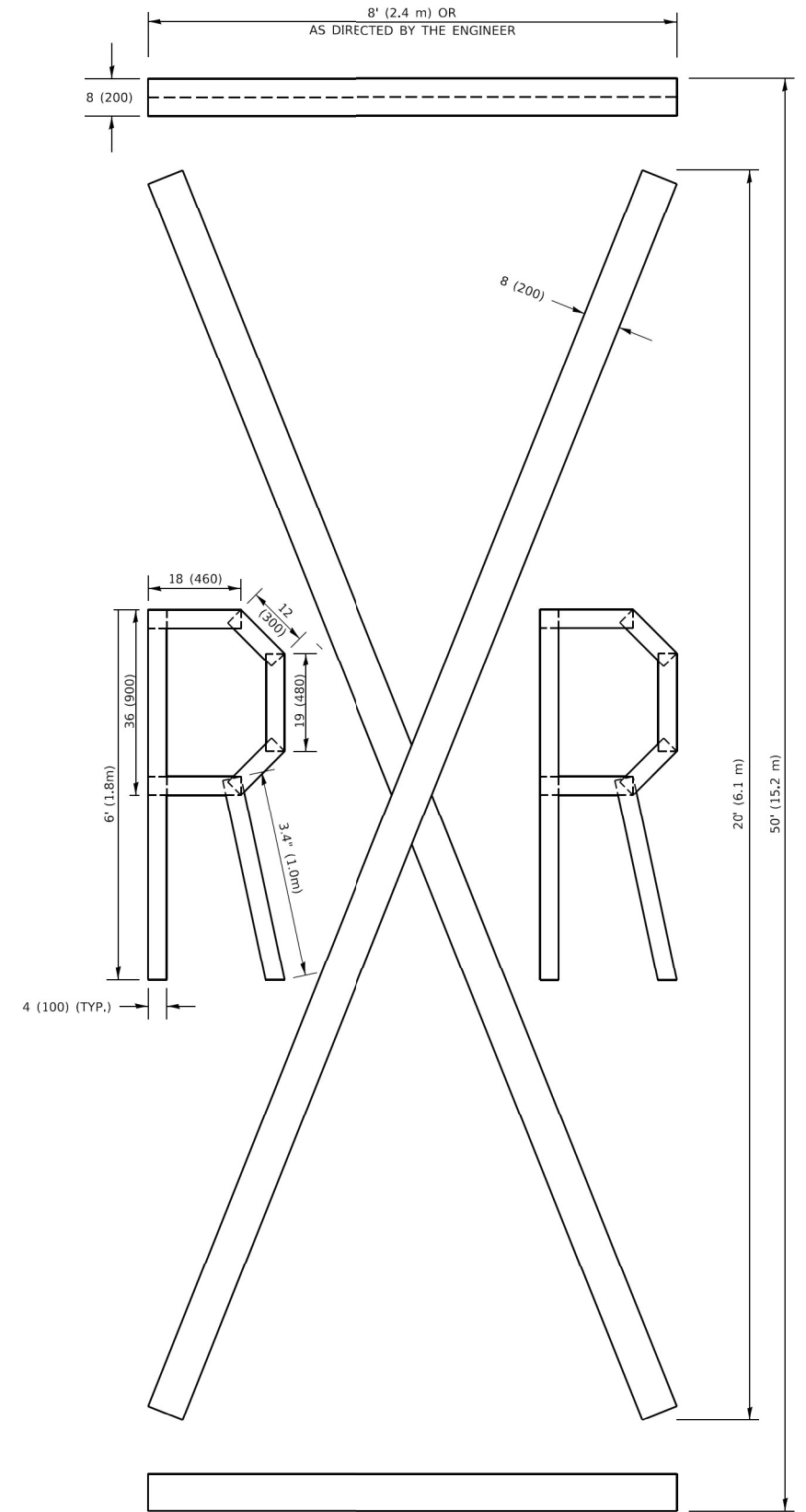


QUANTITY

4 (100) LINE = 82.5 ft. (25.1 m)
27.5 sq. ft. (2.53 sq. m)

NOTE:

ALL QUANTITIES OF PLACEMENT ARE REPRESENTED IN LINEAR FEET OF 4" LINES TO MATCH THE 4" TEMPORARY TAPE PAY ITEM AND REPRESENTS THE TOTAL QUANTITY OF 4" TAPE REQUIRED.



QUANTITY

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

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

MODEL: D:\default... FILE NAME: C:\Users\matt\OneDrive\Engineering\Illinois\62T14\CADD\Sheet Files\62T14.dwg



USER NAME = npatel	DESIGNED -	REVISED -
PLOT SCALE = 0.1667' / in.	DRAWN -	REVISED -
PLOT DATE = 10/19/2023	CHECKED -	REVISED -
	DATE -	REVISED -

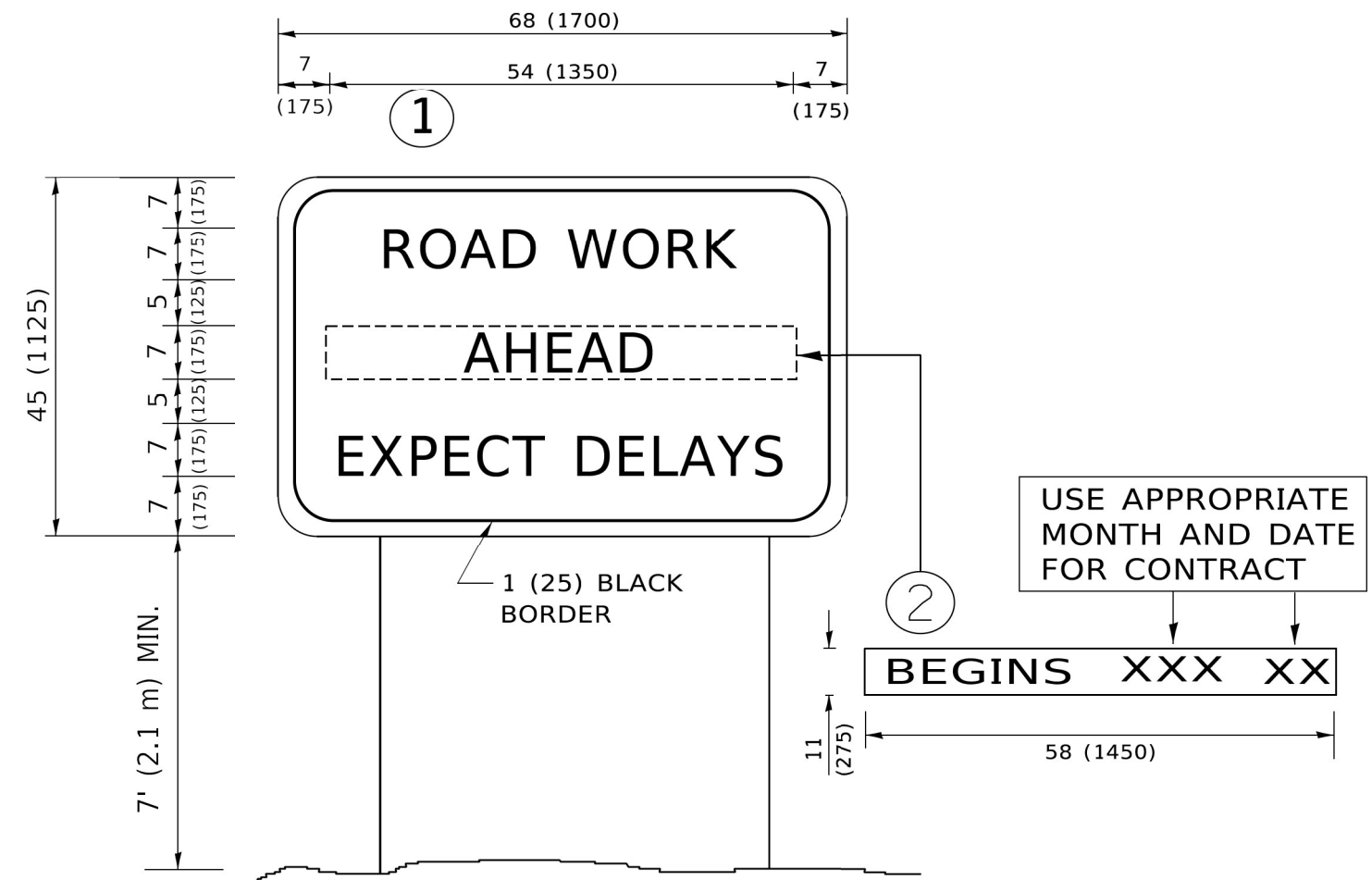
DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0347	FAP 0347 22 BJ	COOK	42	40
TC-16		CONTRACT NO. 62T14		
ILLINOIS FED. AID PROJECT				



NOTES:

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

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

MODEL: Default
 FILE NAME: C:\Users\npatel\OneDrive\OneDrive\Orion\62T14\CADD\Sheet Files\62T14.dwg
 ORDER # 7
 DATE: 10/19/2023



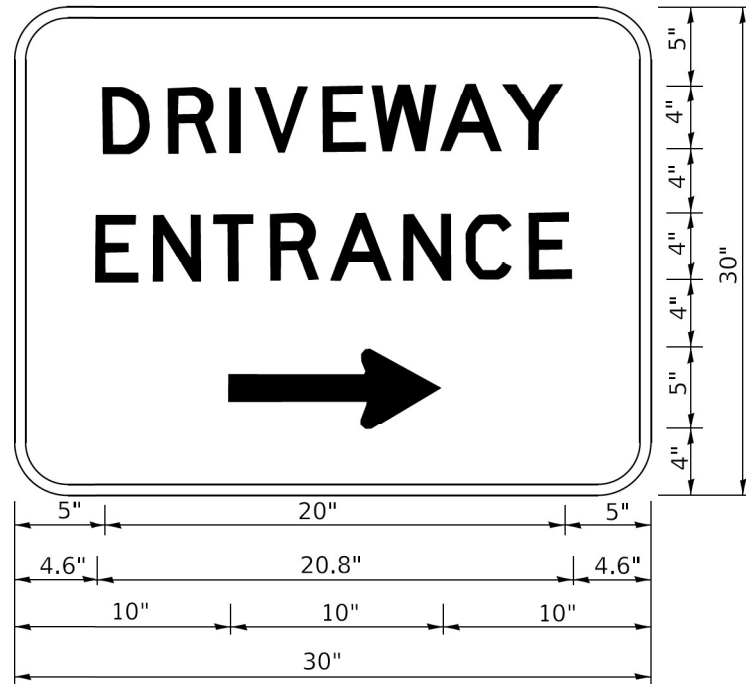
USER NAME = npatel	DESIGNED -	REVISED -
PLOT SCALE = 0.1667' / in.	DRAWN -	REVISED -
PLOT DATE = 10/19/2023	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ARTERIAL ROAD
INFORMATION SIGN

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0347	FAP 0347 22 BJ	COOK	42	41
TC-22			CONTRACT NO. 62T14	
ILLINOIS FED. AID PROJECT				



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

NOTES:

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

MODEL: Default
 FILE NAME: C:\Users\npatel\OneDrive\OneDrive\Orion\62T14\Work Order #7 (62T14)\CADD\Sheet Files\62T14.dwg:cs6.dgn
 2023.008 - IDOT PTD - 19A-013\Work Order #7 (62T14)\CADD\Sheet Files\62T14.dwg:cs6.dgn



USER NAME = npatel	DESIGNED -	REVISED -
PLOT SCALE = 0.1667' / in.	DRAWN -	REVISED -
PLOT DATE = 10/19/2023	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

DRIVEWAY ENTRANCE SIGNING

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0347	FAP 0347 22 BJ	COOK	42	42
TC-26			CONTRACT NO. 62T14	
ILLINOIS FED. AID PROJECT				