

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

ILLINOIS ROUTE 83 (IL-83)
 FUNCTIONAL CLASSIFICATION: OTHER PRINCIPAL ARTERIAL
 POSTED SPEED: 45 MPH
 ADT: 24700 (2021)

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION


PROPOSED
 HIGHWAY PLANS

FAP ROUTE 0344: IL ROUTE 83 BRIDGE OVER BNSF RAILROAD
 SECTION FAP 0344 22 BJ
 PROJECT NO. NHPP-PHJQ(445)
 BRIDGE DECK OVERLAY AND JOINT REPLACEMENT
 DUPAGE COUNTY

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0344	FAP 0344 22 BJ	DUPAGE	60	1
		ILLINOIS	CONTRACT NO. 62T12	


APPLIES TO SHEETS 1-17, 53-60

[Signature]
 8.7.2023
 LICENSED PROFESSIONAL ENGINEER, STATE OF ILLINOIS
 EXPIRES 11/30/2023



APPLIES TO SHEETS 18-52

[Signature]
 8.4.2023
 LICENSED STRUCTURAL ENGINEER, STATE OF ILLINOIS
 EXPIRES 11/30/2024



MUNICIPALITIES:
 DOWNERS GROVE TOWNSHIP



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

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

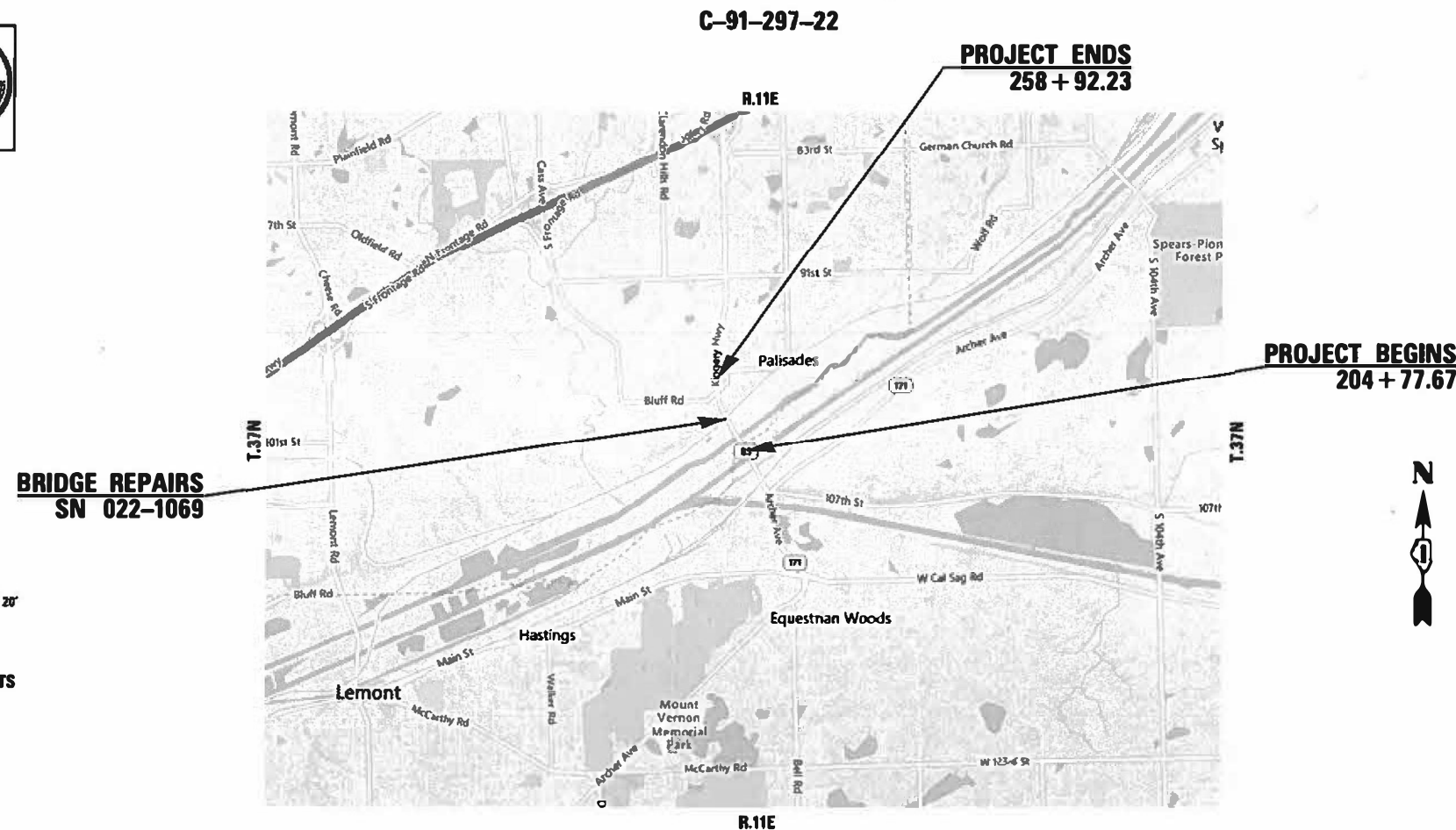
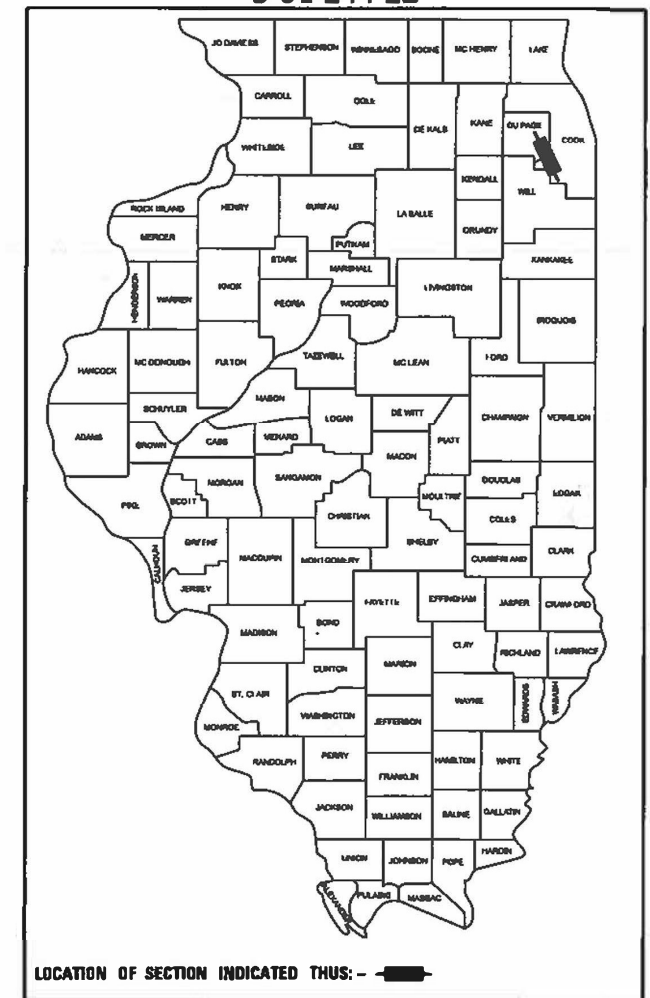
PROJECT ENGINEER: PRAVEEN KAINI, PE (847)-705-4237
 PROJECT MANAGER: J. ALAIN MIDY, PE (847)-221-3056

CONTRACT NO. 62T12

DUPAGE COUNTY
 GROSS LENGTH = 5442.65 FT. = 1.031 MILE
 NET LENGTH = 4811.44 FT. = 0.911 MILE

Bowman

10 S. LaSalle Street, Suite 2710
 Chicago, Illinois 60603
 712-674-6260
 www.bowman.com



STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SUBMITTED August 8, 2023

[Signature]
 REGISTERED ENGINEER

October 13, 2023
[Signature]
 ENGINEER OF DESIGN AND ENVIRONMENT

October 13, 2023
[Signature]
 DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY
 OF THE STATE OF ILLINOIS

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IDOT HIGHWAY STANDARDS

000001-08	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
001006	DECIMAL OF AN INCH AND OF A FOOT
701426-09	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATIONS, FOR SPEEDS ≥ 45 MPH
701431-13	LANE CLOSURE, MULTILANE, UNDIVIDED WITH CROSSOVER, FOR SPEEDS ≥ 45 MPH TO 55 MPH
701601-09	URBAN LANE CLOSURE, MULTILANE, 1W OR 2W, WITH NONTRAVERSABLE MEDIAN
701606-10	URBAN SINGLE LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
701701-10	URBAN LANE CLOSURE, MULTILANE, INTERSECTION
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-08	TRAFFIC CONTROL DEVICES
704001-08	TEMPORARY CONCRETE BARRIER
780001-05	TYPICAL PAVEMENT MARKINGS
781001-04	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
782006-01	GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS

MODEL: Default
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 10 S. LaSalle Street, Suite 210 Chicago, Illinois 60603 312-491-0360 www.bowman.com	USER NAME = ebarbosa	DESIGNED - KMM	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INDEX OF SHEETS AND HIGHWAY STANDARDS ILLINOIS ROUTE 83 OVER BNSF RAILROAD	F.A.P. RTE. = 0344	SECTION = FAP 0344 22 BJ	COUNTY =	TOTAL SHEETS = 60	SHEET NO. = 2		
	PLOT SCALE = 2.0000" / in.	CHECKED - AP	REVISED -			SCALE: NONE	SHEET 1 OF 1 SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT			
	PLOT DATE = 7/18/2023	DATE = 5/26/2023	REVISED -									

GENERAL NOTES

- BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL J.U.L.I.E. AT (800) 892-0123 OR 811 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS UTILITIES. 48 HOUR NOTIFICATION IS REQUIRED.
- THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES, DUPAGE COUNTY, AND DOWNERS GROVE TOWNSHIP.
- THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
- THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ALL PROPERTIES AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.
- DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.
- ANY REFERENCE TO A STANDARD IN THESE PLANS SHALL BE INTERPRETED TO MEAN THE EDITION AS INDICATED BY THE SUB NUMBER SHOWN IN THE LIST OF STANDARDS OR THE COPY INCLUDED IN THESE PLANS. IF NO EDITION IS INDICATED, THAN IT SHOULD BE INTERPRETED TO MEAN THE LATEST EDITION.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN EXISTING FIELD CONDITIONS BEFORE BIDDING ON THIS CONTRACT.
- EXISTING UNDERGROUND AND ABOVE-GROUND FACILITIES, STRUCTURES, AND UTILITIES HAVE BEEN PLOTTED ON THESE CONTRACT DOCUMENTS BASED UPON THE INFORMATION AND SURVEYS AVAILABLE AT THE TIME OF DRAWING PREPARATION. THE LOCATION OF THESE FEATURES MUST, THEREFORE, BE CONSIDERED APPROXIMATE ONLY. IN ADDITION, THERE MAY BE OTHER FACILITIES, STRUCTURES, AND UTILITIES WHICH DID NOT EXIST OR THE EXISTENCE OF WHICH WAS NOT KNOWN AT THE TIME OF DRAWING PREPARATION. IT IS THE SOLE RESPONSIBILITY OF CONTRACTOR(S) TO HAVE ALL EXISTING FACILITIES, STRUCTURES, AND UTILITIES LOCATED IN THE FIELD PRIOR TO ANY EXCAVATION OR CONSTRUCTION ACTIVITY AND TO PROTECT ALL SUCH EXISTING FEATURES DURING CONSTRUCTION.
- ALL DAMAGE TO EXISTING PAVEMENT MARKINGS OR RAISED REFLECTIVE PAVEMENT MARKERS OUTSIDE THE REMOVAL LINE SHOWN ON THE PLANS SHALL BE REPLACED AT NO ADDITIONAL COST TO THE DEPARTMENT.
- 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 RESPONSIBLE FOR THE NOTIFICATION OF ALL EMERGENCY SERVICES, SCHOOL DISTRICTS, I.D.O.T.'S COMMUNICATIONS CENTER, SPRINGFIELD TRUCK PERMIT SECTION AND OTHER AGENCIES AFFECTED BY THE CLOSURE. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR POSTING SIGNS THAT WILL INDICATE THE DATES THE CLOSURE WILL BE IN PLACE.
- SAWING OF REMOVAL ITEMS AS NOTED ON THE PLANS, SPECIFIED IN THE STANDARD SPECIFICATIONS, OR AS REQUIRED BY THE ENGINEER SHALL BE INCLUDED IN THE COST OF THE ITEM BEING REMOVED.
- THE LOCATIONS OF EXISTING DRAINAGE STRUCTURES, STORM SEWER, WATER MAIN, SANITARY SEWER, AND OTHER PUBLIC OR PRIVATE UTILITIES AS SHOWN ON THE PLANS IS APPROXIMATE, AND THEIR EXACT LOCATION IS TO BE DETERMINED IN THE FIELD BY THE CONTRACTOR. THIS WORK SHALL BE PER ARTICLES 105.07 AND 107.31 OF THE STANDARD SPECIFICATIONS.
- THE RESIDENT ENGINEER SHALL CONTACT WALTER CZARNY, ARTERIAL TRAFFIC FIELD ENGINEER, AT WALTER.CZARNY@ILLINOIS.GOV FOR AREA NORTH OF BLUFF ROAD AND PATRICE HARRIS AT PATRICE.HARRIS@ILLINOIS.GOV FOR AREA SOUTH OF BLUFF ROAD. A MINIMUM OF TWO (2) WEEKS PRIOR TO THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS.
- ALL PAVEMENT MARKINGS (TEMPORARY OR PERMANENT) SHALL BE PLACED THROUGHOUT THE IMPROVEMENT ACCORDING TO THE DISTRICT ONE TYPICAL PAVEMENT MARKING STANDARD DETAILS.
- CHANGEABLE MESSAGE SIGNS SHALL BE INSTALLED TWO WEEKS PRIOR TO ALL TRAFFIC STAGE CHANGES ON EACH APPROACH OF THE AFFECTED ROADWAY TO WARN MOTORISTS OF THE UPCOMING EVENT. THE SIGNS SHALL BE REMOVED TWO WEEKS THEREAFTER UNLESS THE SIGNS ARE NEEDED AGAIN FOR A SUBSEQUENT FUTURE EVENT THAT WILL OCCUR WITHIN TWO WEEKS ON THE SAME APPROACH OF THE AFFECTED ROADWAY. THE SIGN LOCATIONS SHALL BE DETERMINED BY THE ENGINEER.
- THE CONTRACTOR SHALL FURNISH, INSTALL, MAINTAIN AND REMOVE ALL SIGN AND SIGN SUPPORTS REQUIRED FOR TRAFFIC CONTROL AND PROTECTION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING LABOR, SIGNS AND TRAFFIC CONTROL DEVICES NECESSARY FOR THE MAINTENANCE OF TRAFFIC UNLESS NOTED OTHERWISE IN THE SPECIAL PROVISIONS.

- ALL TEMPORARY PAVEMENT MARKINGS SHOWING DETERIORATION AFTER SEVEN (7) DAYS OF SERVICE SHALL BE REPLACED BY THE CONTRACTOR AS DIRECTED BY THE ENGINEER. ALL MARKINGS THAT REQUIRE REPLACEMENT SHALL BE REPLACED BY THE CONTRACTOR AT THE CONTRACTORS EXPENSE.
- THE TRAFFIC CONTROL DEPICTED HEREIN IS THE MINIMUM REQUIREMENTS. ADDITIONAL TRAFFIC CONTROL DEVICES SPECIFIED IN THE HIGHWAY STANDARDS AS SHOWN IN THE INDEX OF SHEETS AND SPECIAL PROVISIONS SHALL BE PLACED BY THE CONTRACTOR AT THE SATISFACTION OF THE ENGINEER. ALL TRAFFIC CONTROL DEVICES SHALL BE CONSIDERED INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION (SPECIAL) UNLESS OTHERWISE INDICATED WITHIN THESE GENERAL NOTES, PLANS OR SPECIAL PROVISIONS.
- ALL EXISTING SIGNS THAT CONFLICT WITH THE TRAFFIC CONTROL PLAN SHALL BE COVERED OR REMOVED IN ACCORDANCE WITH ARTICLE 107.25 OF THE STANDARD SPECIFICATIONS.
- THE ENGINEER SHALL BE INFORMED A MINIMUM OF 48 HOURS IN ADVANCE OF ANY PROPOSED CHANGE TO THE SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL PLAN.
- THE CONTRACTOR SHALL PROVIDE ADEQUATE TEMPORARY DRAINAGE PROTECTION DURING ALL PHASES OF CONSTRUCTION.
- THE EXISTING RIGHT OF WAY WAS NOT SURVEYED. RIGHT OF WAY INFORMATION SHOWN ON THESE PLANS WAS OBTAINED FROM THE FOLLOWING SOURCES:
- DUPAGE COUNTY GIS "PARCELS REAL ESTATE"
<https://gisdata-dupage.opendata.arcgis.com/search?tags=cadastral>
 COOK CENTRAL "HISTORICAL PARCELS - 2020"
<https://hub-cookcountyil.opendata.arcgis.com/search?categories=geometric%2Cproperty>
- THE CONTRACTOR SHALL REFER TO THE CONTRACT SPECIFICATIONS FOR THE RIGHT OF ENTRY, RAILROAD PROTECTIVE LIABILITY INSURANCE, CONTRACTOR AGREEMENT, AND CONTRACTOR REQUIREMENTS.
- BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL RETAIN AND RECORD, FOR FUTURE REFERENCE, ALL EXISTING PAVEMENT MARKINGS LINES (AND RAISED REFLECTIVE PAVEMENT MARKERS) IN ORDER THAT THESE LOCATIONS BE RE-ESTABLISHED FOR STRIPING. EXACT LOCATION OF ALL PAVEMENT MARKINGS SHALL BE AS DIRECTED BY THE ENGINEER.
- THE "ROAD CONSTRUCTION AHEAD" SIGNS SHALL REMAIN INSTALLED UNTIL THE COMPLETION OF THE PROJECT OR WHEN NO ROADWAY HAZARDS REMAIN WITHIN THE WORK ZONE.
- 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".
- ALL EXISTING 7" (1.5" BLACK, 4" WHITE, 1.5" BLACK) PREFORMED PLASTIC TYPE B STANDARD LANE LINE PAVEMENT MARKINGS AND 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 7" (1.5", 4" WHITE, 1.5" BLACK) PREFORMED PLASTIC TYPE B STANDARD PAVEMENT MARKINGS AND RAISED REFLECTIVE PAVEMENT MARKER REFLECTORS THAT WERE REMOVED SHALL BE RESTORED AFTER THE COMPLETION OF STAGING.
- ALL MODIFIED URETHANE (AND/OR PAINT) PAVEMENT MARKINGS USED FOR STAGING SHALL BE REMOVED VIA WATER BLASTING WITH VACUUM RECOVERY ON FINAL PAVEMENT SURFACES, AND VIA GRINDING ON EXISTING OR TEMPORARY PAVEMENT SURFACES THAT ARE TO BE REMOVED.
- 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 THEIR RESPECTIVE CONTRACT UNIT PRICE.

COMED UTILITY NOTES

- EQUIPMENT MAY NOT EXCEED 14' IN HEIGHT WHEN TRAVELLING ON COMED TRANSMISSION ROW OR UNDERNEATH ANY TRANSMISSION CIRCUITS.
- NO MATERIAL OR EQUIPMENT SHALL BE STAGED OR TRAVEL WITHIN FIFTEEN (15) FEET FROM ANY TRANSMISSION STRUCTURE.
- WHEN WORKING IN THE VICINITY OF COMED'S ELECTRIC TRANSMISSION LINES DURING THE INSTALLATION, COMED REQUIRES A MINIMUM OF FIFTEEN (15) FEET WORKING CLEARANCE DISTANCE MUST BE MAINTAINED BETWEEN THE BOOMS, ARMS OR OTHER PARTS THAT CAN BE RAISED ON THE EQUIPMENT UTILIZED BY THE CONTRACTOR AND COMED'S EXISTING 138,000 VOLT ELECTRIC TRANSMISSION CONDUCTORS.
- UNDER NO CIRCUMSTANCES SHOULD TRUCK BEDS BE RAISED UNDERNEATH COMED TRANSMISSION LINES.
- ANY SPOILS PILES MAY NOT EXCEED 5 FEET IN HEIGHT UNDERNEATH TRANSMISSION LINES. ABSOLUTELY NO VEHICLES/EQUIPMENT MAY DRIVE ON TOP OF SPOILS PILES.
- NO OBSTRUCTIONS MAY BE PLACED ON COMED TRANSMISSION ROW THAT WILL RESTRICT THE ABILITY TO ACCESS TRANSMISSION FACILITIES.
- THE GRADE MAY NOT BE CHANGED UNDERNEATH COMED TRANSMISSION WIRES WITHOUT REVIEW/ APPROVAL BY COMED TRANSMISSION ENGINEERING. THE PROPOSED GRADE FOR THIS AREA HAS BEEN REVIEWED AND IS APPROPRIATE.

BP UTILITY NOTES

BP UTILITY NOTES:

- NO EXCAVATION OR CONSTRUCTION ACTIVITY WILL BE PERMITTED IN THE VICINITY OF A PIPELINE UNTIL ALL APPROPRIATE COMMUNICATIONS HAVE BEEN MADE WITH BP'S FIELD OPERATIONS AND THE RIGHT-OF-WAY DEPARTMENT. A FORMAL ENGINEERING ASSESSMENT MAY BE REQUIRED.
- THERE SHALL BE NO EXCAVATION OR BACKFILLING WITHIN THE PIPELINE RIGHT-OF-WAY FOR ANY REASON WITHOUT A REPRESENTATIVE OF BP ON SITE GIVING PERMISSION.
- IN SOME INSTANCES, EXCAVATION AND OTHER CONSTRUCTION ACTIVITIES AROUND CERTAIN PIPELINES CAN BE CONDUCTED SAFELY ONLY WHEN THE PIPELINE OPERATING PRESSURE HAS BEEN REDUCED. CONTRACTORS ARE THEREFORE CAUTIONED THAT EXCAVATION WHICH EXPOSES OR SIGNIFICANTLY REDUCES THE COVER OVER A PIPELINE MAY HAVE TO BE DELAYED UNTIL THE REDUCED OPERATING PRESSURES ARE ACHIEVED.
- THE CONTRACTOR SHALL NOT BE PERMITTED TO TRANSPORT CONSTRUCTION MATERIALS OR EQUIPMENT LONGITUDINALLY OVER THE PIPELINE.
- WHERE IT IS NECESSARY FOR CONSTRUCTION EQUIPMENT (I.E., TRACTORS, BACKHOES, DUMP TRUCKS, ETC.) OR EQUIPMENT TRANSPORTING CONSTRUCTION MATERIALS TO CROSS THE PIPELINE, THE CROSSING OF THE PIPELINE RIGHT-OF-WAY SHALL BE AT, OR AS NEAR TO, A 90 DEGREE ANGLE AS IS FEASIBLE.
- TO GAIN ACCESS TO THE JOB SITE, THE CONTRACTOR SHALL SUBMIT A PLAN INDICATING WHERE CONSTRUCTION EQUIPMENT WILL CROSS THE PIPELINE, ALONG WITH THE DEPTH OF THE PIPE AT THE CROSSINGS. ANY PROPOSED RAMPING OVER THE PIPELINE, TOGETHER WITH THE FOLLOWING SPECIFICATIONS FOR THE EQUIPMENT: TYPE AND WEIGHT OF EQUIPMENT; FOR TRACK EQUIPMENT - TRACK WIDTH AND LENGTH; FOR WHEELED EQUIPMENT - NUMBER OF AXLES (SINGLE OR TANDEM AXLES). BP WILL PERFORM A STRESS FACTOR CALCULATION TO DETERMINE IF THE EQUIPMENT CAN SAFELY CROSS THE PIPELINE. IF CROSSING OF THE PIPELINE IS ALLOWED, SPECIAL MEASURES MAY NEED TO BE TAKEN TO ENSURE THE INTEGRITY OF THE PIPELINE.
- NO TRACK TYPE CONSTRUCTION EQUIPMENT SHALL BE PERMITTED TO PIVOT OR TURN DIRECTLY OVER THE TOP OF THE PIPELINE.
- A SCRAPER OR PAN TYPE TRACTOR SHALL NOT BE USED FOR REMOVAL OF SOIL WITHIN TEN FEET (10') OF THE CENTERLINE OF THE PIPELINE. RUBBER TIRE OR SMALL TRACK TYPE EQUIPMENT IS AN ACCEPTABLE ALTERNATIVE.
- A SHEEPSFOOT ROLLER SHALL NOT BE USED FOR COMPACTION PURPOSES WITHIN THE BP/CHICAP/ OLYMPIC ROW.
- NO VIBRATORY ROLLERS SHALL BE USED WITHIN THE BP/CHICAP/OLYMPIC ROW.

COMMITMENTS

NONE

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	USER NAME = ebarbosa	DESIGNED - KMM	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTES ILLINOIS ROUTE 83 OVER BNSF RAILROAD				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 2,0000' / 1 in.	CHECKED - AP	REVISED -		0344	FAP 0344 22 BJ	DUPAGE	60	3				
PLOT DATE = 7/18/2023	DATE - 5/26/2023	REVISED -	SCALE: NONE	SHEET 1	OF 1 SHEETS	STA.	TO STA.	CONTRACT NO. 62T12					
								ILLINOIS FED. AID PROJECT					

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
				80% FEDERAL	20% STATE	
				BRIDGE		
				0059		
				SN 022-1069		
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	538	538		
40600900	HOT-MIX ASPHALT BINDER COURSE (HAND METHOD), N50	TON	27	27		
40600985	PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT	SQ YD	517	517		
40604172	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "E", N70	TON	94	94		
44200970	CLASS B PATCHES, TYPE II, 10 INCH	SQ YD	38	38		
44213200	SAW CUTS	FOOT	393	393		
50102400	CONCRETE REMOVAL	CU YD	18.1	18.1		
50157300	PROTECTIVE SHIELD	SQ YD	611.7	611.7		
50300255	CONCRETE SUPERSTRUCTURE	CU YD	20.1	20.1		
50300300	PROTECTIVE COAT	SQ YD	3,949	3,949		
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	2,970	2,970		
50800515	BAR SPLICERS	EACH	28	28		
52000110	PREFORMED JOINT STRIP SEAL	FOOT	136.5	136.5		
58700300	CONCRETE SEALER	SQ FT	8,556	8,556		
59000200	EPOXY CRACK INJECTION	FOOT	8.0	8.0		

* SPECIALTY ITEMS

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USER NAME = ebarbosa	DESIGNED - KMM	REVISED -
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PLOT SCALE = 2,0000' / 1 in.	CHECKED - AP	REVISED -
PLOT DATE = 7/18/2023	DATE - 5/26/2023	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES
ILLINOIS ROUTE 83 OVER BNSF RAILROAD**

SCALE: NONE SHEET 1 OF 5 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0344	FAP 0344 22 BJ	DUPAGE	60	4
CONTRACT NO. 62T12			ILLINOIS FED. AID PROJECT	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				80% FEDERAL	
				20% STATE	
				BRIDGE	
				0059	
				SN 022-1069	
60250200	CATCH BASINS TO BE ADJUSTED	EACH	3	3	
60255500	MANHOLES TO BE ADJUSTED	EACH	2	2	
67100100	MOBILIZATION	L SUM	1	1	
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	56	56	
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	10,788	10,788	
70307100	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS - TYPE IV TAPE	SQ FT	174	174	
70307120	TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE	FOOT	31,643	31,643	
70307130	TEMPORARY PAVEMENT MARKING - LINE 6" - TYPE IV TAPE	FOOT	466	466	
70307140	TEMPORARY PAVEMENT MARKING - LINE 8" - TYPE IV TAPE	FOOT	48	48	
70307210	TEMPORARY PAVEMENT MARKING - LINE 24" - TYPE IV TAPE	FOOT	83	83	
70400100	TEMPORARY CONCRETE BARRIER	FOOT	1,050	1,050	
70400125	PINNING TEMPORARY CONCRETE BARRIER	EACH	48	48	
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	1,050	1,050	
70600260	IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	2	2	
70600332	IMPACT ATTENUATORS, RELOCATE (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	2	2	

* SPECIALTY ITEMS

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	PLOT SCALE = 2.0000" / 1 in.	DRAWN - KMM	REVISED -
	PLOT DATE = 7/18/2023	CHECKED - AP	REVISED -
		DATE - 5/26/2023	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES
ILLINOIS ROUTE 83 OVER BNSF RAILROAD**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0344	FAP 0344 22 BJ		60	5
CONTRACT NO. 62T12				
ILLINOIS		FED. AID PROJECT		

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
				80% FEDERAL		
				20% STATE	BRIDGE	
					0059	
				SN 022-1069		
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	103	103		
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	10,418	10,418		
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	654	654		
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	31	31		
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	72	72		
* 78004635	PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - LINE 7"	FOOT	606	606		
* 78009000	MODIFIED URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	83	83		
* 78009004	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	FOOT	4,916	4,916		
* 78009006	MODIFIED URETHANE PAVEMENT MARKING - LINE 6"	FOOT	392	392		
* 78009008	MODIFIED URETHANE PAVEMENT MARKING - LINE 8"	FOOT	55	55		
* 78009024	MODIFIED URETHANE PAVEMENT MARKING - LINE 24"	FOOT	35	35		
* 78011040	GROOVING FOR RECESSED PAVEMENT MARKING 8"	FOOT	606	606		
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	80	80		
78100200	TEMPORARY RAISED REFLECTIVE PAVEMENT MARKER	EACH	73	73		
* 78200011	BARRIER WALL REFLECTORS, TYPE C	EACH	42	42		

* SPECIALTY ITEMS

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 PLOT DATE = 7/18/2023

DESIGNED - KMM
 DRAWN - KMM
 CHECKED - AP
 DATE - 5/26/2023

REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
ILLINOIS ROUTE 83 OVER BNSF RAILROAD

SCALE: NONE SHEET 3 OF 5 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0344	FAP 0344 22 BJ		60	6
CONTRACT NO. 62T12				
ILLINOIS		FED. AID PROJECT		

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
				80% FEDERAL		
				20% STATE	BRIDGE	
					0059	
				SN 022-1069		
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	80	80		
78300202	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	5,857	5,857		
X0322215	CLEANING BRIDGE SCUPPERS AND DOWNSPOUTS	EACH	12	12		
X5060700	CLEANING AND PAINTING BEARINGS	EACH	20	20		
X0326766	CLEAN & RESEAL RELIEF JOINT	FOOT	120.5	120.5		
X5030250	BRIDGE DECK GROOVING (LONGITUDINAL)	SQ YD	3,657.7	3,657.7		
X6700407	ENGINEER'S FIELD OFFICE, TYPE A (D1)	CAL MO	12	12		
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1		
X7010410	SPEED DISPLAY TRAILER	CAL MO	8	8		
X7830050	RAISED REFLECTIVE PAVEMENT MARKER, REFLECTOR REMOVAL	EACH	277	277		
Z0001700	APPROACH SLAB REPAIR (FULL DEPTH)	SQ YD	8.9	8.9		
Z0001800	APPROACH SLAB REPAIR (PARTIAL DEPTH)	SQ YD	11.8	11.8		
Z0006016	BRIDGE DECK LATEX CONCRETE OVERLAY, 2 3/4 INCHES	SQ YD	3,948.6	3,948.6		
Z0012130	BRIDGE DECK SCARIFICATION 3/4"	SQ YD	3,948.6	3,948.6		
Z0012754	STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5 INCHES)	SQ FT	423	423		

* SPECIALTY ITEMS

MODEL: D:\ch\h\... FILE NAME: X:\500 Drawings\502 CADD Sheet\01212130-SH-S0004.dgn

Bowman 10 S. LaSalle Street, Suite 2700 Chicago, Illinois 60603 312-494-0360 www.bowman.com	USER NAME = ebarbosa	DESIGNED - KMM	REVISED -
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	PLOT DATE = 7/18/2023	CHECKED - AP	REVISED -
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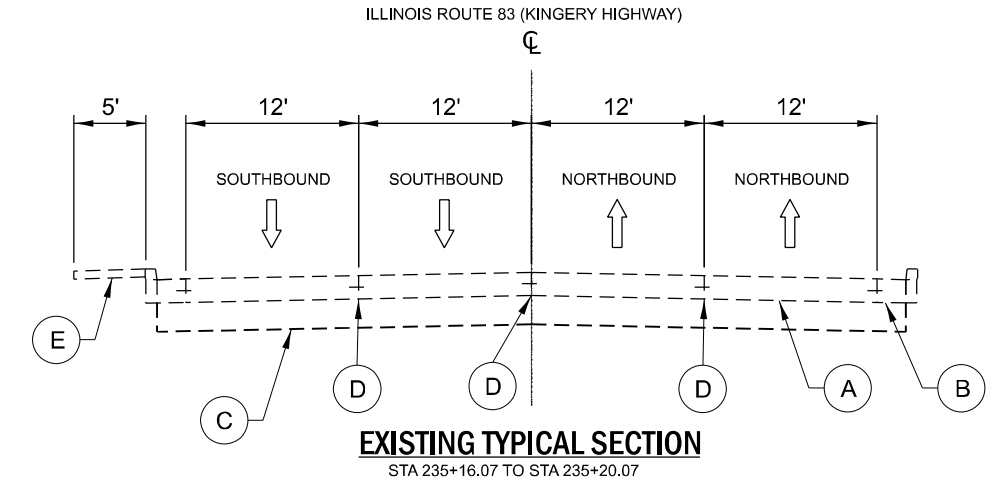
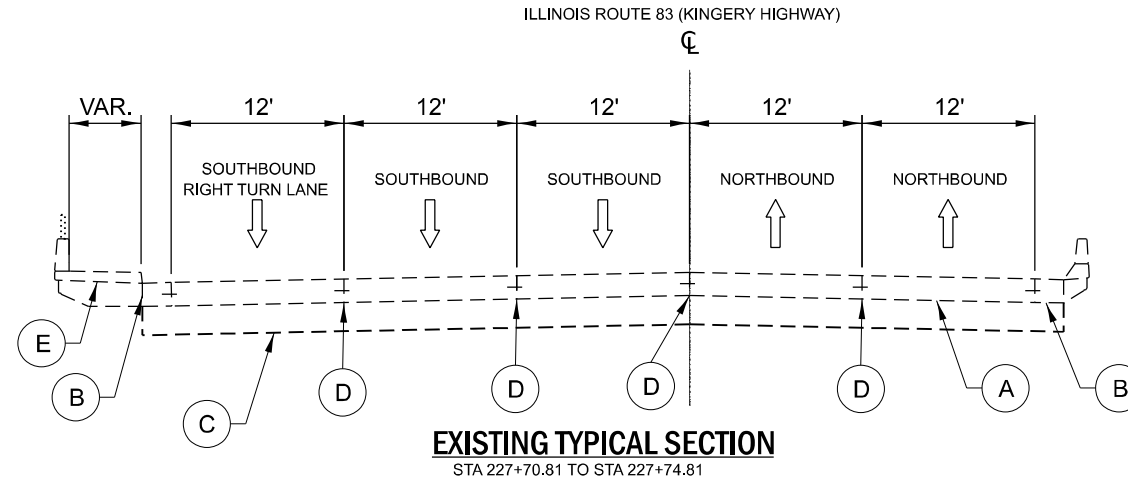
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES			
ILLINOIS ROUTE 83 OVER BNSF RAILROAD			
SCALE: NONE	SHEET 4	OF 5 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0344	FAP 0344 22 BJ		60	7
			CONTRACT NO. 62T12	
		ILLINOIS	FED. AID PROJECT	

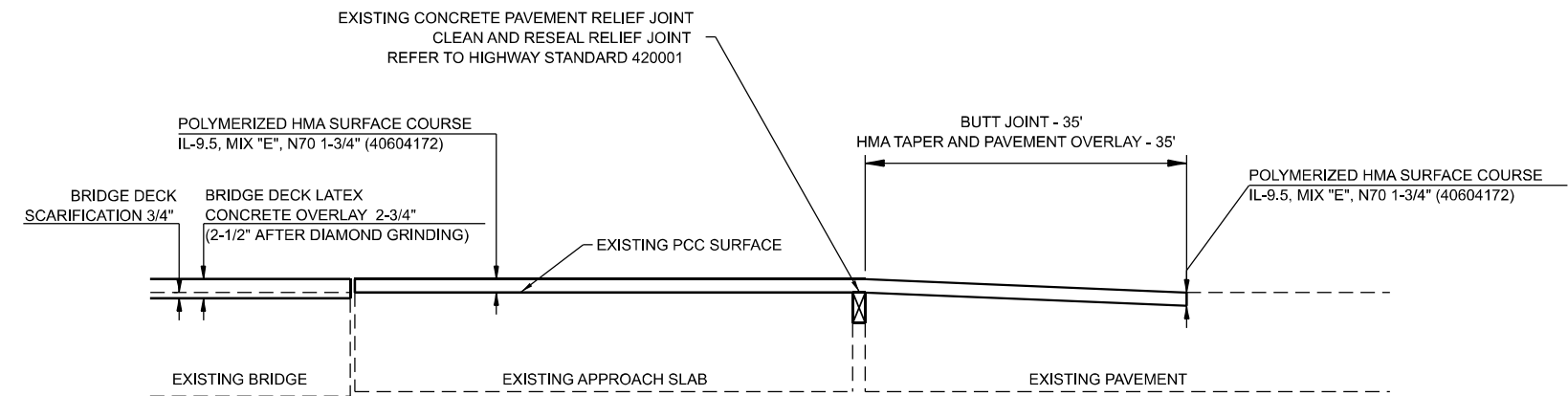
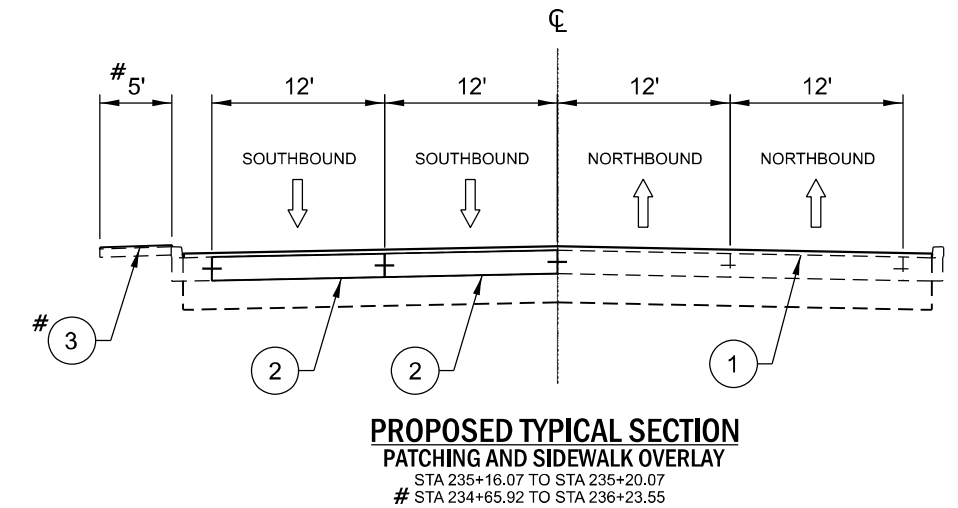
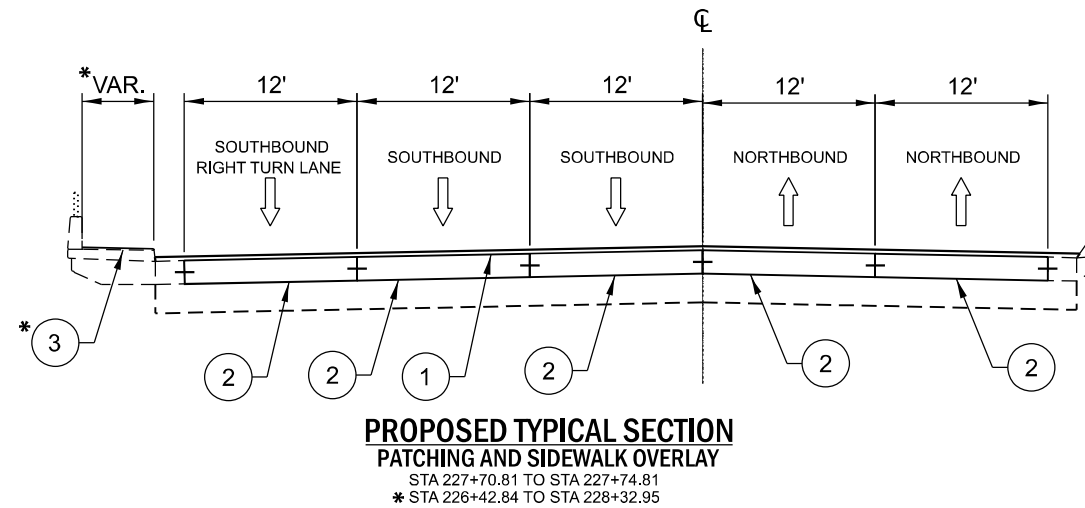
EXISTING LEGEND

- (A) EXISTING PCC PAVEMENT 9-3/4" (HINGE JOINTED)
- (B) EXISTING COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24 WITH #6x24" LONG TIE BARS AT 2'-0" O.C. - DRILLED AND GROUTED
- (C) AGGREGATE SUBGRADE
- (D) LONGITUDINAL CONSTRUCTION JOINT WITH #8x24 LONG TIE BARS AT 2'-0" O.C.
- (E) EXISTING HMA SIDEWALK



PROPOSED LEGEND

- (1) POLYMERIZED HMA SURFACE COURSE IL-9.5, MIX "E", N70
- (2) CLASS B PATCHES, TYPE II, 10 INCH
- (3) HMA SIDEWALK



HMA OVERLAY AND BUTT JOINT DETAIL
SEE ROADWAY AND STRUCTURAL REPAIR PLANS FOR OVERLAY DETAIL LIMITS AND APPROACH SLAB REPAIRS LOCATIONS

HMA MIX REQUIREMENTS TABLE		QMP
MIXTURE TYPE	AIR VOIDS @ NDES	
HOT-MIX ASPHALT OVERLAY AND BUTT JOINT		
1-3/4" POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "E", N70	4% @ 70 GYR.	QC/QA
HOT-MIX ASPHALT SIDEWALK		
VARIABLE DEPTH HOT-MIX ASPHALT BINDER COURSE (HAND METHOD), N50 (IL-9.5)	4% @ 50 GYR.	QC/QA
QMP DESIGNATIONS: QUALITY CONTROL/QUALITY ASSURANCE (QC/QA); QUALITY CONTROL FOR PERFORMANCE (QCP); PAY FOR PERFORMANCE (PFP)		

NOTES:
 1. 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.
 2. THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN.

MODEL: Default
 FILE NAME: X:\S30 Drawings\507_CADD_Sheets\02712-Int-Corridor_XS.dgn
 10 S. LaSalle Street, Suite 2100
 Chicago, Illinois 60603
 312-464-0800
 www.bowman.com



USER NAME = ebarbosa	DESIGNED - KMM	REVISED -
PLOT SCALE = 20,000' / in.	DRAWN - KMM	REVISED -
PLOT DATE = 7/18/2023	CHECKED - AP	REVISED -
	DATE - 5/26/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

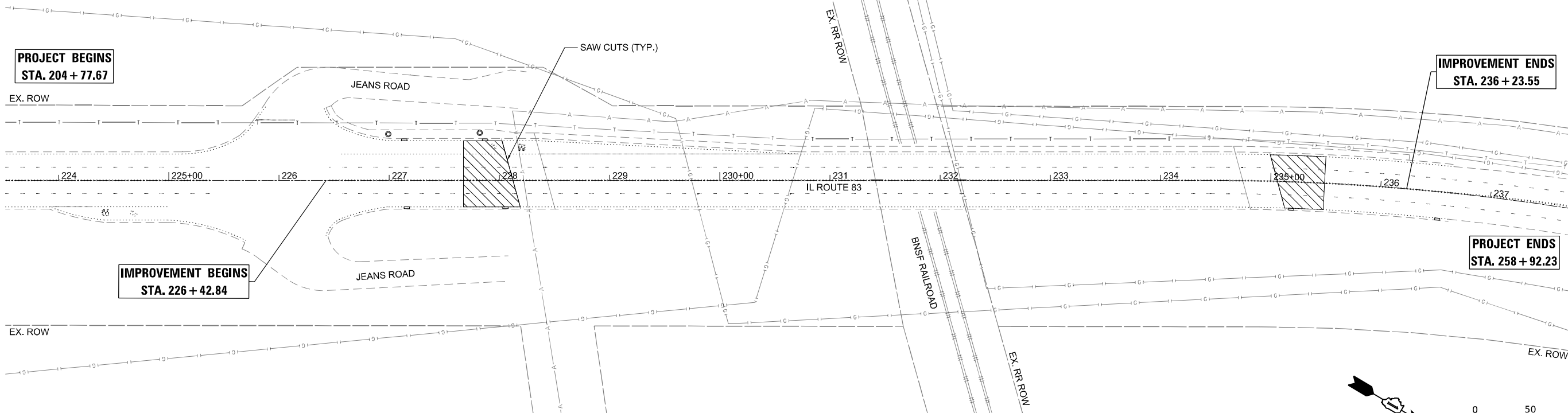
HOT-MIX ASPHALT DETAILS AND CROSS SECTIONS			
ILLINOIS ROUTE 83 OVER BNSF RAILROAD			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.P. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0344	FAP 0344 22 BJ	DUPAGE	60	9
CONTRACT NO. 62T12			ILLINOIS FED. AID PROJECT	

REMOVAL LEGEND

HOT-MIX ASPHALT SURFACE REMOVAL BUTT JOINT (40600982)

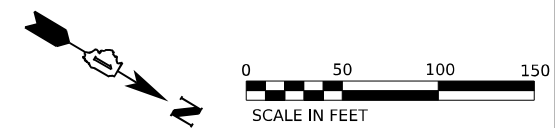
**PROJECT BEGINS
STA. 204 + 77.67**



**IMPROVEMENT BEGINS
STA. 226 + 42.84**

**IMPROVEMENT ENDS
STA. 236 + 23.55**

**PROJECT ENDS
STA. 258 + 92.23**



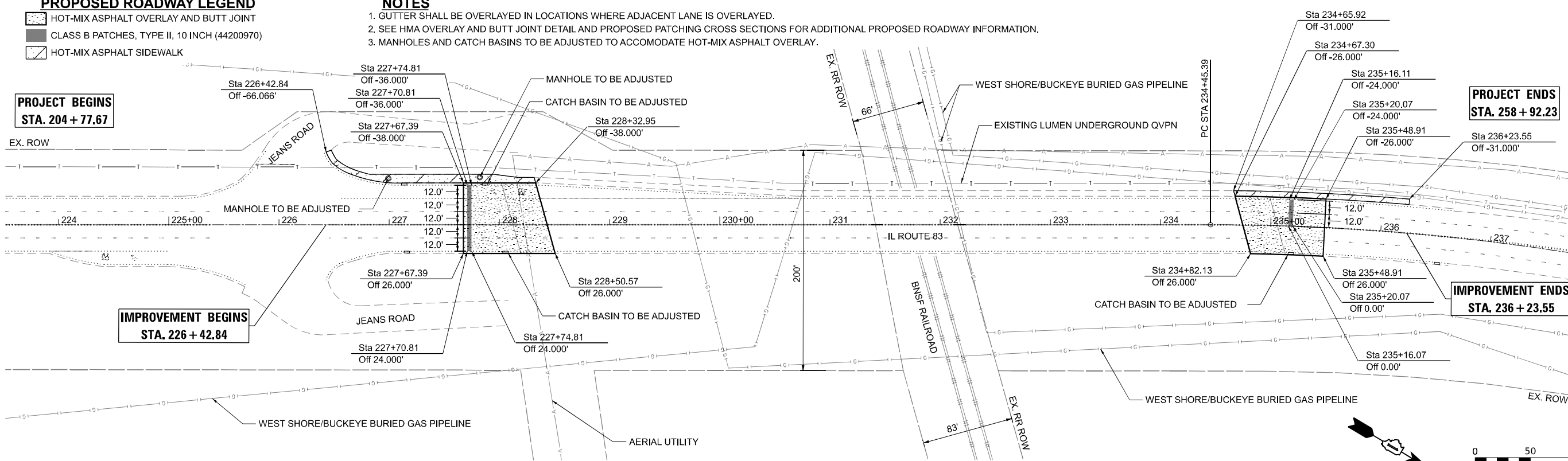
PROPOSED ROADWAY LEGEND

HOT-MIX ASPHALT OVERLAY AND BUTT JOINT
 CLASS B PATCHES, TYPE II, 10 INCH (44200970)
 HOT-MIX ASPHALT SIDEWALK

NOTES

1. GUTTER SHALL BE OVERLAYED IN LOCATIONS WHERE ADJACENT LANE IS OVERLAYED.
2. SEE HMA OVERLAY AND BUTT JOINT DETAIL AND PROPOSED PATCHING CROSS SECTIONS FOR ADDITIONAL PROPOSED ROADWAY INFORMATION.
3. MANHOLES AND CATCH BASINS TO BE ADJUSTED TO ACCOMMODATE HOT-MIX ASPHALT OVERLAY.

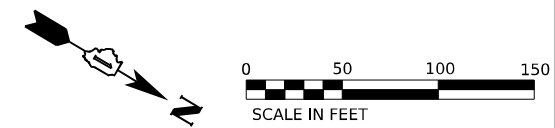
**PROJECT BEGINS
STA. 204 + 77.67**



**IMPROVEMENT BEGINS
STA. 226 + 42.84**

**PROJECT ENDS
STA. 258 + 92.23**

**IMPROVEMENT ENDS
STA. 236 + 23.55**



**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**REMOVAL AND PROPOSED ROADWAY PLAN
ILLINOIS ROUTE 83 OVER BNSF RAILROAD**

SCALE: 1:50 SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0344	FAP 0344 22 BJ	DUPAGE	60	10
CONTRACT NO. 62T12				

ILLINOIS FED. AID PROJECT

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11 S. LaSalle Street, Suite 210
Chicago, Illinois 60603
312-464-0500
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USER NAME	= ebarbosa
PLOT SCALE	= 0.1666667 / in.
PLOT DATE	= 7/18/2023

DESIGNED	- KMM
DRAWN	- KMM
CHECKED	- AP
DATE	- 5/26/2023

REVISED	-
REVISED	-
REVISED	-
REVISED	-

SUGGESTED SEQUENCE OF CONSTRUCTION AND MAINTENANCE OF TRAFFIC

THE FOLLOWING SEQUENCE OF CONSTRUCTION AND MAINTENANCE OF TRAFFIC IS SUGGESTED. VARIATIONS MAY BE MADE WITH THE APPROVAL OF THE ENGINEER. FOR EACH STAGE OF CONSTRUCTION, PROVIDE TRAFFIC CONTROL AS SHOWN ON THE MAINTENANCE OF TRAFFIC PLANS. COORDINATE INSTALLATION OF TRAFFIC CONTROL DEVICES WITH THE EXISTING TRAFFIC PATTERNS AT THE ENDS OF THE PROJECT ALONG IL-83 AND IMPACTED CROSS STREETS. THE IMPROVEMENTS WILL BE CONSTRUCTED USING LANE SHIFTS ONTO EXISTING SHOULDERS PER DISTRICT ONE AND HIGHWAY STANDARDS.

IL-83: STAGE 1

1. REDUCE THE EXISTING SPEED LIMIT TO 40 M.P.H. TRAFFIC WILL BE REDUCED TO ONE-LANE IN EACH DIRECTION WITH 10'-5" LANE WIDTH.
2. UTILIZING HIGHWAY STANDARDS REMOVE CONFLICTING EXISTING PAVEMENT MARKINGS AND RAISED PAVEMENT MARKER REFLECTORS. INSTALL TEMPORARY PAVEMENT MARKINGS, TEMPORARY SIGNING AND PCMS AS DETAILED IN THE TRAFFIC CONTROL PLANS TO CLOSE THE SOUTHBOUND HALF OF IL-83.
3. THE SOUTHBOUND TRAFFIC WILL BE SHIFTED TO USE THE INSIDE NORTHBOUND LANE WHILE THE NORTHBOUND TRAFFIC WILL CONTINUE USING THE OUTSIDE NORTHBOUND LANE.
4. COMPLETE THE BRIDGE DECK, APPROACH SLAB, PARAPET REPAIRS IN ADDITION TO THE PAVEMENT PATCHING AND SIDEWALK OVERLAY.

IL-83: STAGE 2

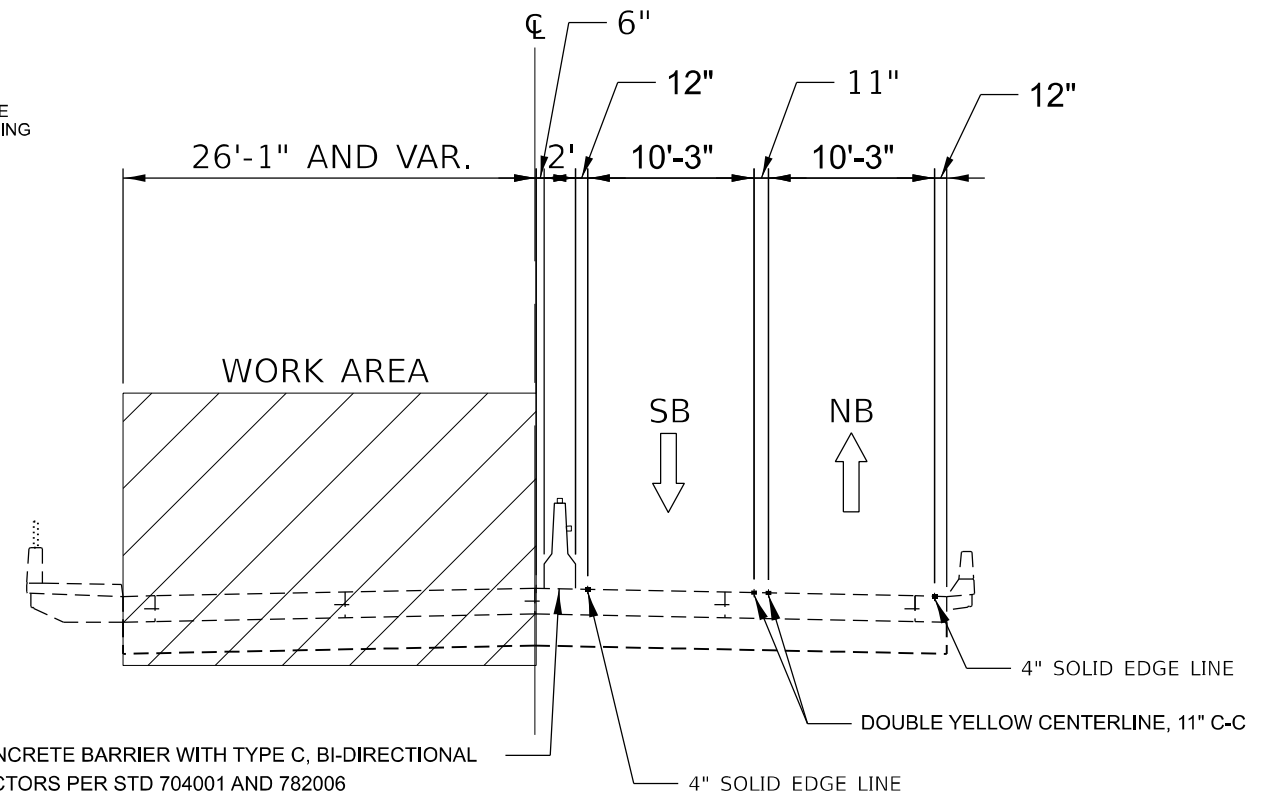
1. REDUCE THE EXISTING SPEED LIMIT TO 40 M.P.H. TRAFFIC WILL BE REDUCED TO ONE-LANE IN EACH DIRECTION WITH 10'-5" LANE WIDTH.
2. UTILIZING HIGHWAY STANDARDS REMOVE CONFLICTING EXISTING PAVEMENT MARKINGS AND RAISED PAVEMENT MARKER REFLECTORS. INSTALL TEMPORARY PAVEMENT MARKINGS, TEMPORARY SIGNING AND PCMS AS DETAILED IN THE TRAFFIC CONTROL PLANS TO CLOSE THE NORTHBOUND HALF OF IL-83.
3. THE NORTHBOUND TRAFFIC WILL BE SHIFTED TO USE THE INSIDE SOUTHBOUND LANE WHILE THE SOUTHBOUND TRAFFIC WILL CONTINUE USING THE OUTSIDE SOUTHBOUND LANE.
4. COMPLETE THE BRIDGE DECK, APPROACH SLAB, PARAPET REPAIRS IN ADDITION TO THE PAVEMENT PATCHING AND SIDEWALK OVERLAY.

IL-83: FINAL STAGE

1. COMPLETE SUBSTRUCTURE REPAIRS NOT COMPLETED IN STAGE 1 OR STAGE 2.
2. COMPLETE GROOVING AND DIAMOND GRINDING.
3. PLACE PERMANENT PAVEMENT MARKING AND REFLECTORS AS SHOWN ON PLANS.
4. REMOVE ALL TEMPORARY TRAFFIC CONTROL APPURTENANCES.

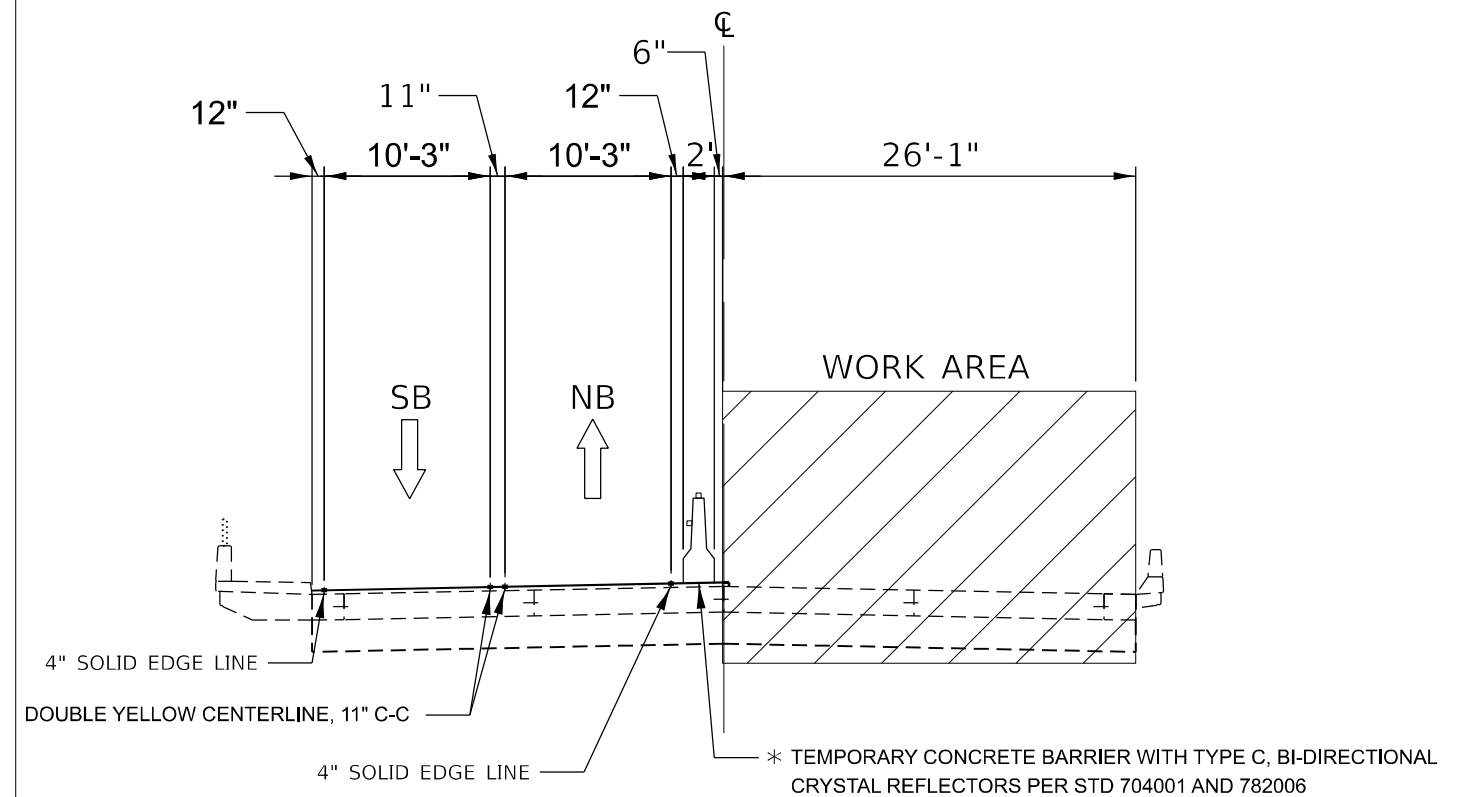
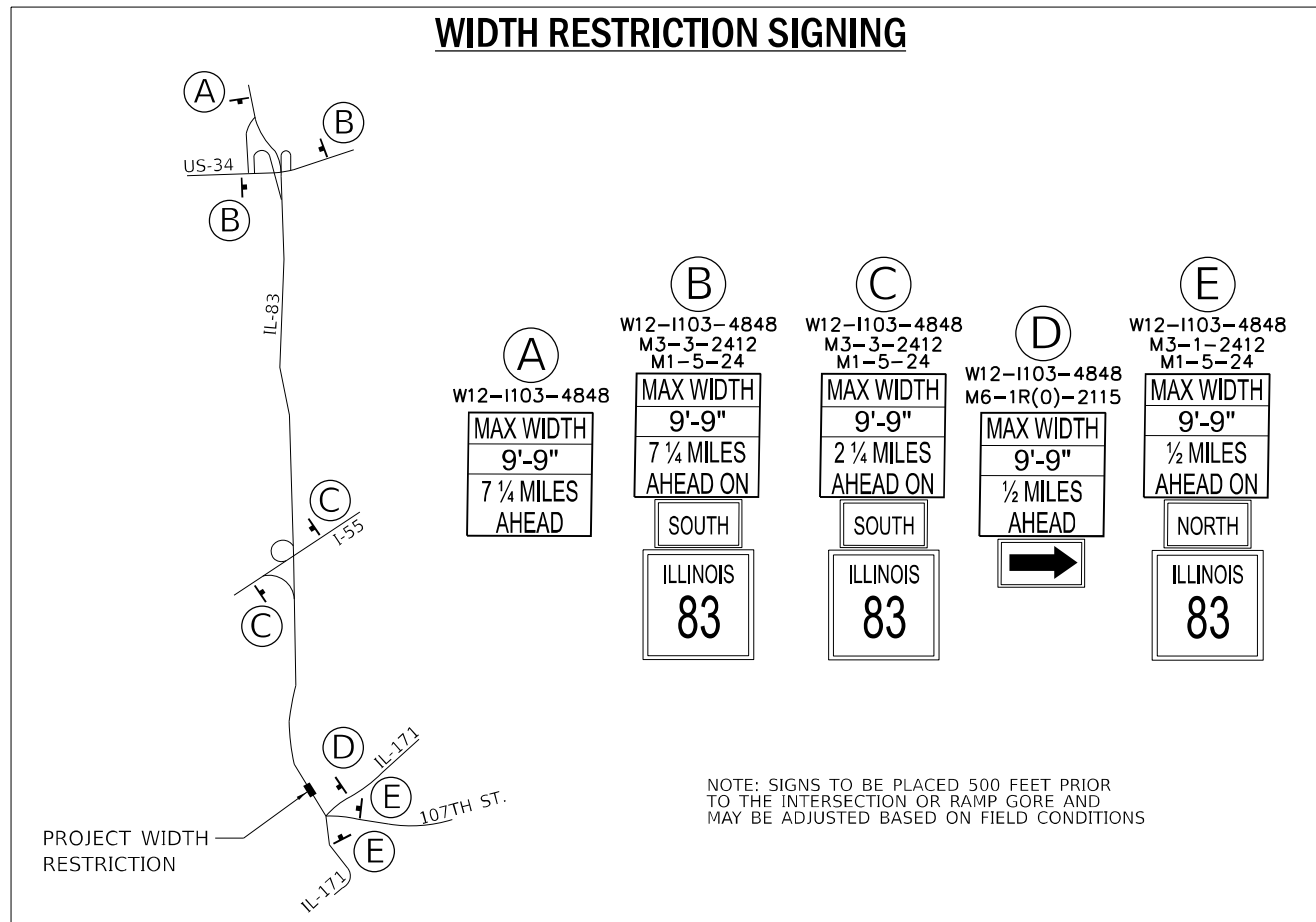
TEMPORARY TRAFFIC SIGNAL TIMING

TEMPORARY TRAFFIC SIGNAL TIMING WILL BE UTILIZED AT THE INTERSECTION OF IL RTE. 83 AND BLUFF RD. TO ADJUST EXISTING TRAFFIC SIGNAL TIMING DURING STAGED CONSTRUCTION TO ACCOMMODATE ADDITIONAL TRAFFIC VOLUME WITHIN THE TEMPORARY LANES.



STAGE 1 MOT TYPICAL SECTION - IL. RTE. 83

WIDTH RESTRICTION SIGNING



STAGE 2 MOT TYPICAL SECTION - IL. RTE. 83

MODEL: Default
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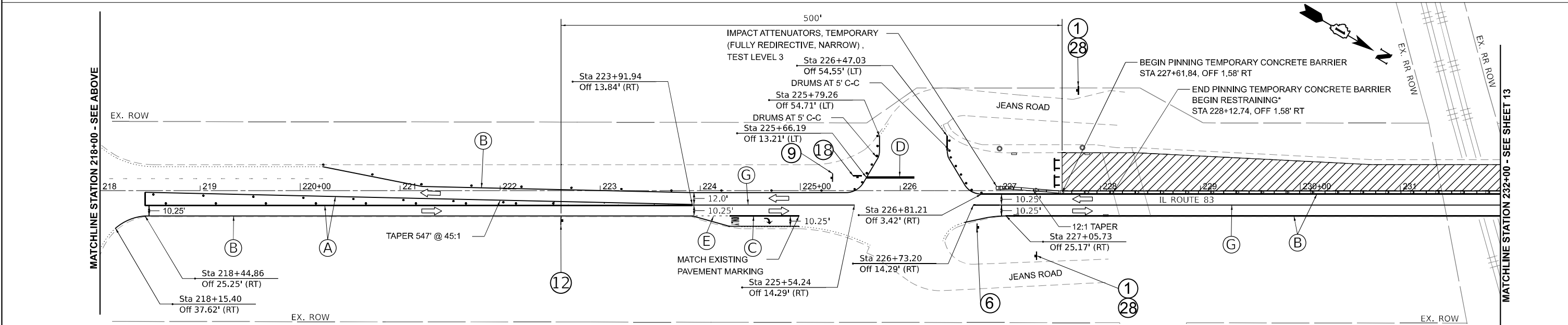
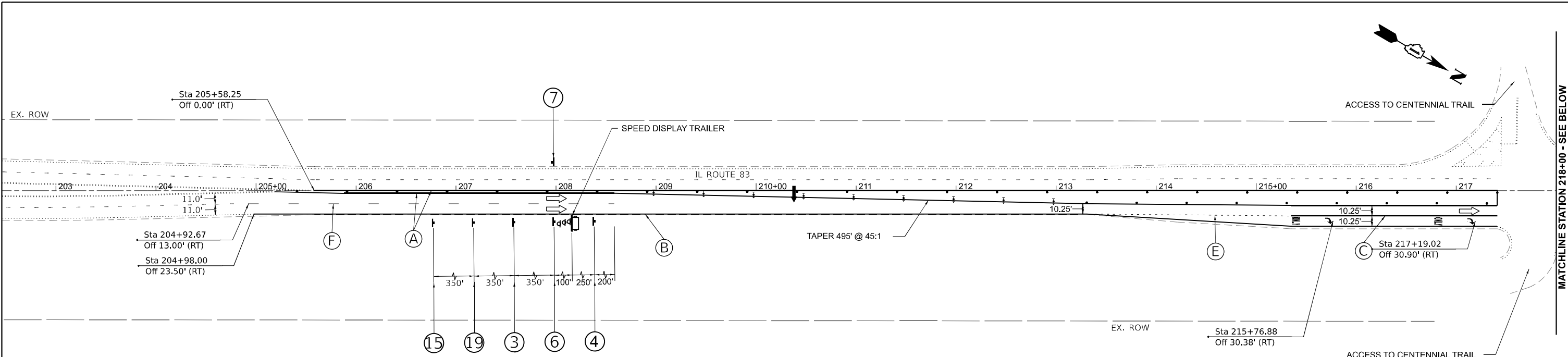
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PLOT DATE = 7/18/2023	CHECKED - AP	REVISED -
	DATE - 5/26/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC TYPICAL SECTIONS
ILLINOIS ROUTE 83 OVER BNSF RAILROAD

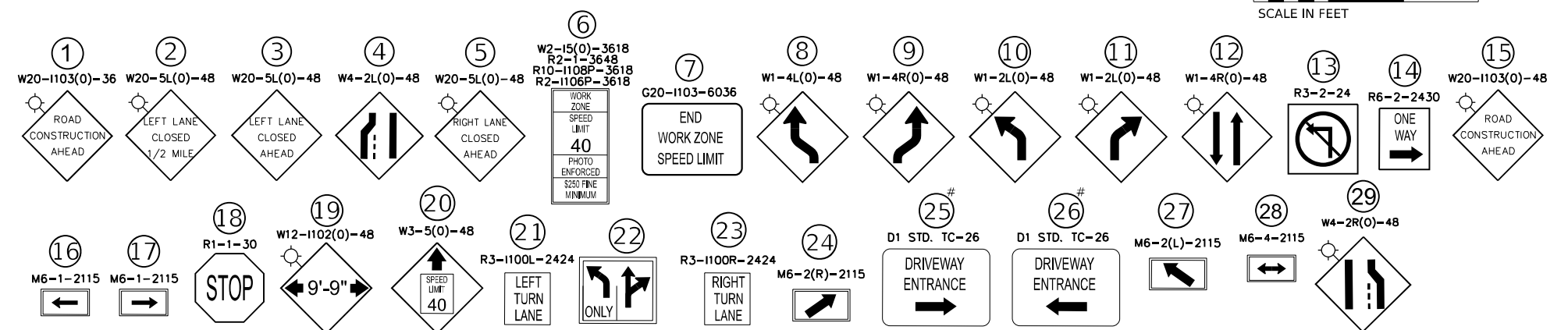
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0344	FAP 0344 22 BJ	DUPAGE	60	11
			CONTRACT NO. 6212	
ILLINOIS FED. AID PROJECT				



MOT LEGEND AND SYMBOLS

- WORK ZONE
- COMPLETED WORK
- 4" YELLOW (A)
- 4" WHITE (B)
- 6" WHITE (C)
- 24" WHITE (D)
- WHITE 2' DASH 6' SKIP (E)
- WHITE 10' DASH 30' SKIP (F)
- DOUBLE YELLOW CENTERLINE (G)
- 8" WHITE (H)
- TCB AND ATTENUATOR (TEMPORARY OR RELOCATE, FULLY REDIRECTIVE, NARROW, TEST LEVEL 3)
- ARROW BOARD
- DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- TYPE II BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- REFLECTORS AT 25' C-C
- DRUMS AT 50' C-C
- TYPE III BARRICADE WITH FLASHING MONODIRECTIONAL LIGHTS
- EX. DETECTOR LOOP (APPROX. LOCATION)



TO BE PAID FOR AS PAY ITEM: TEMPORARY INFORMATION SIGNING (Z0030850) *TEMPORARY CONCRETE BARRIER TO BE RESTRAINED AS SHOWN ON DETAIL R-27

MODEL: MOT Sheet 13
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	DATE - 5/26/2023	REVISED -

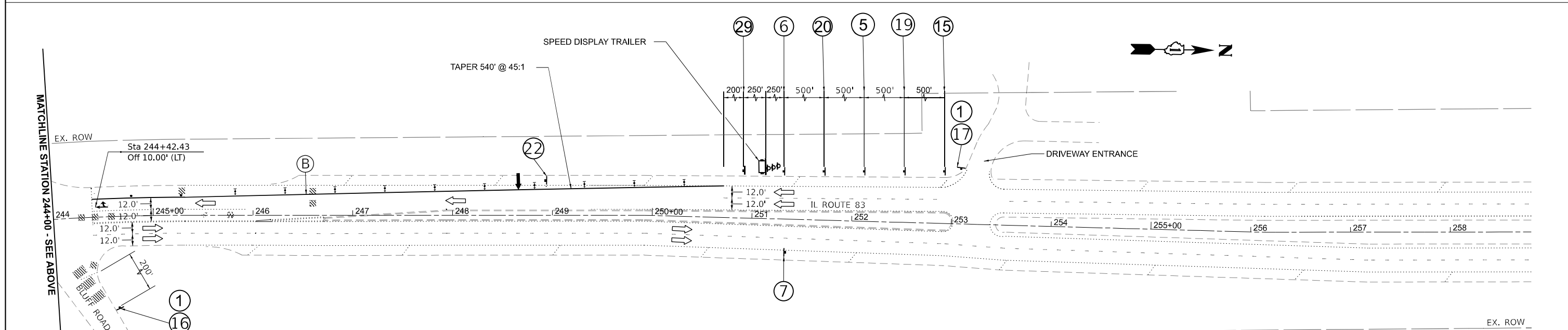
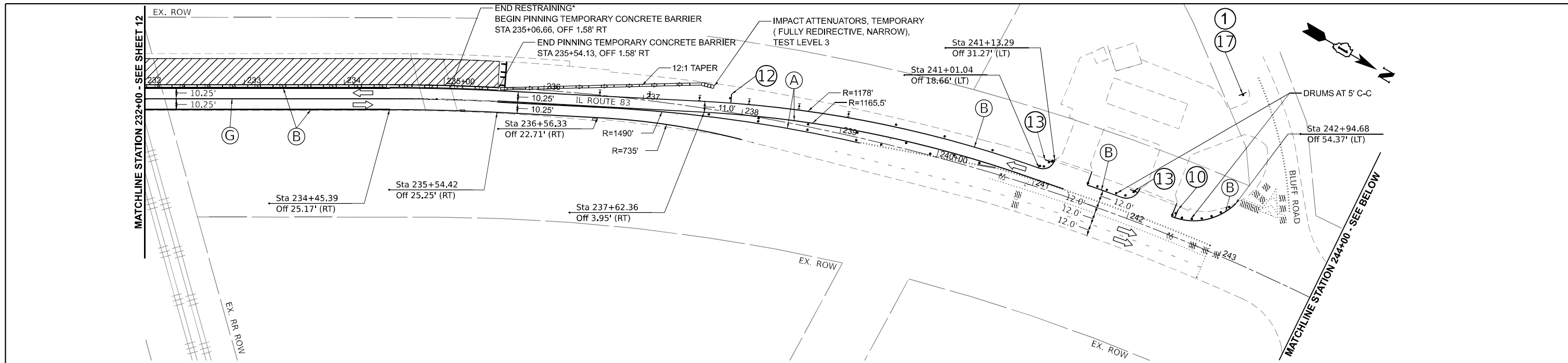
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC STAGE 1
ILLINOIS ROUTE 83 OVER BNSF RAILROAD**

SCALE: 1:50 SHEET 1 OF 2 SHEETS STA. TO STA.

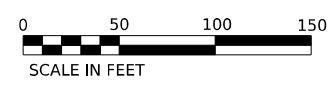
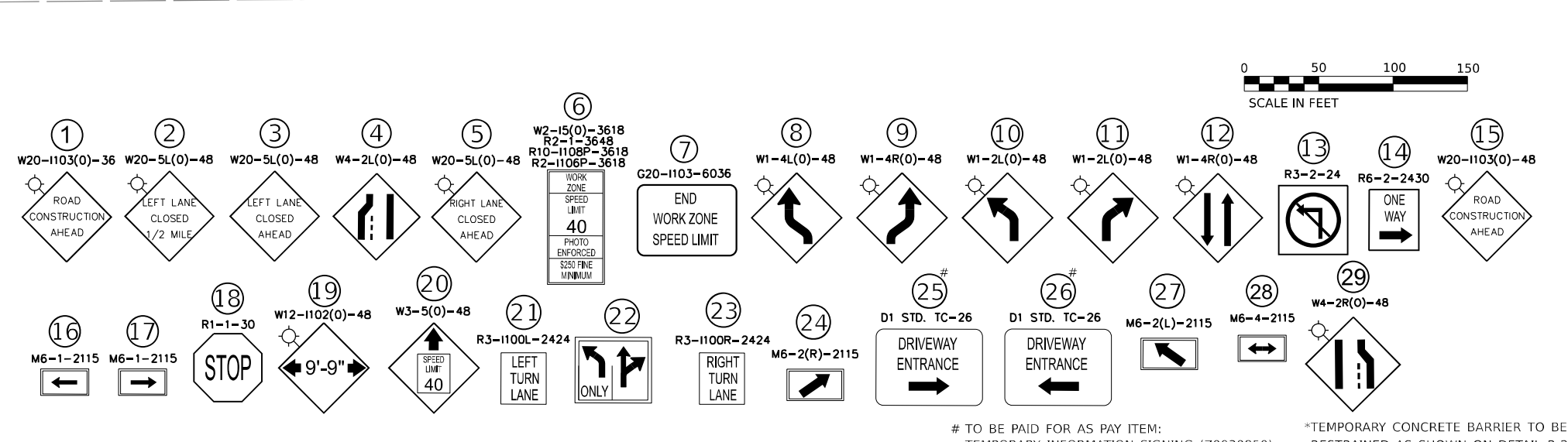
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0344	FAP 0344 22 BJ	DUPAGE	60	12
CONTRACT NO. 62T12			ILLINOIS FED. AID PROJECT	

Long Section Number



MOT LEGEND AND SYMBOLS

- WORK ZONE
- COMPLETED WORK
- 4" YELLOW (A)
- 4" WHITE (B)
- 6" WHITE (C)
- 24" WHITE (D)
- WHITE 2' DASH 6' SKIP (E)
- WHITE 10' DASH 30' SKIP (F)
- DOUBLE YELLOW CENTERLINE (G)
- 8" WHITE (H)
- TCB AND ATTENUATOR (TEMPORARY OR RELOCATE, FULLY REDIRECTIVE, NARROW, TEST LEVEL 3)
- ARROW BOARD
- DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- TYPE II BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- REFLECTORS AT 25' C-C
- DRUMS AT 50' C-C
- TYPE III BARRICADE WITH FLASHING MONODIRECTIONAL LIGHTS
- EX. DETECTOR LOOP (APPROX. LOCATION)



USER NAME = vvesco	DESIGNED - KMM	REVISED -
DRAWN - KMM	REVISOR -	
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PLOT DATE = 7/18/2023	DATE - 5/26/2023	REVISOR -

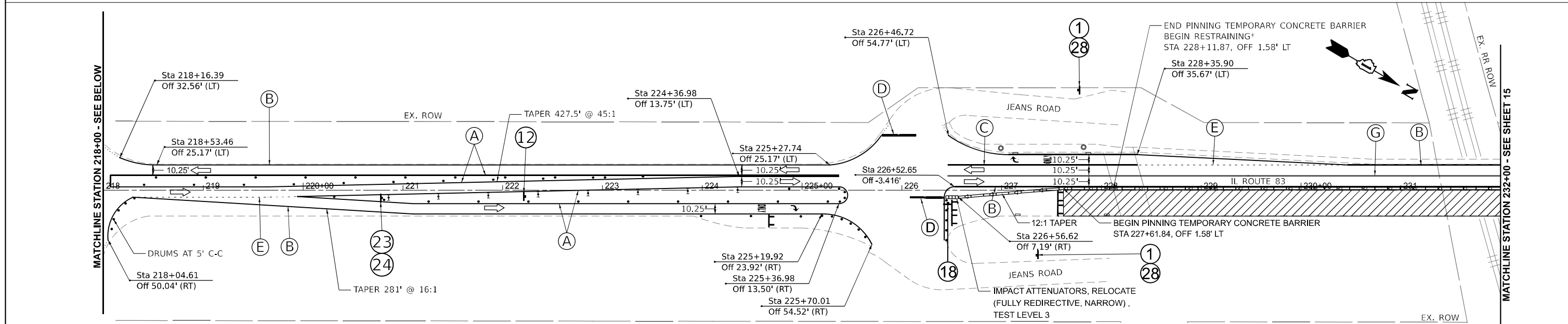
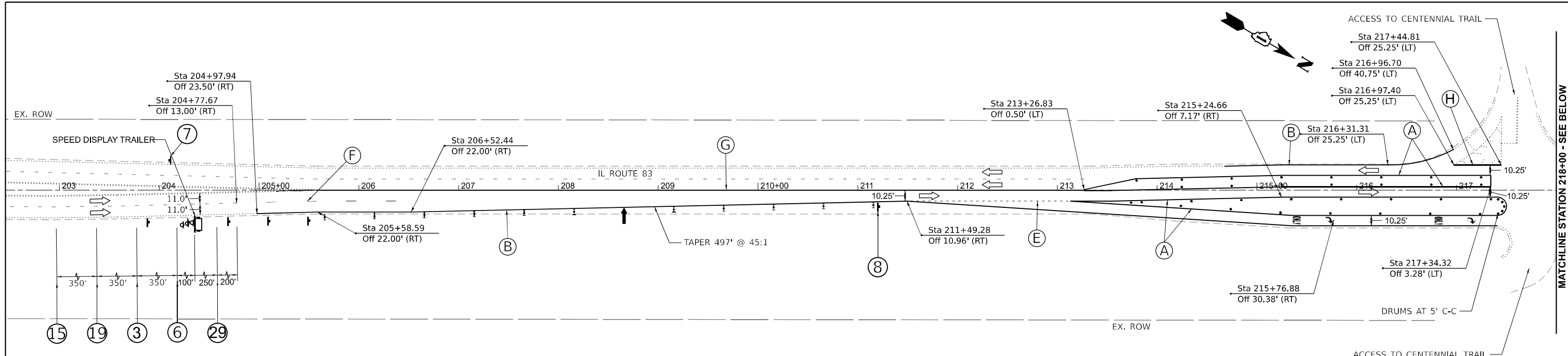
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC STAGE 1
ILLINOIS ROUTE 83 OVER BNSF RAILROAD**

F.A.P. R.T.E. 0344	SECTION FAP 0344 22 BJ	COUNTY DUPAGE	TOTAL SHEETS 60	SHEET NO. 13
CONTRACT NO. 62T12			ILLINOIS FED. AID PROJECT	

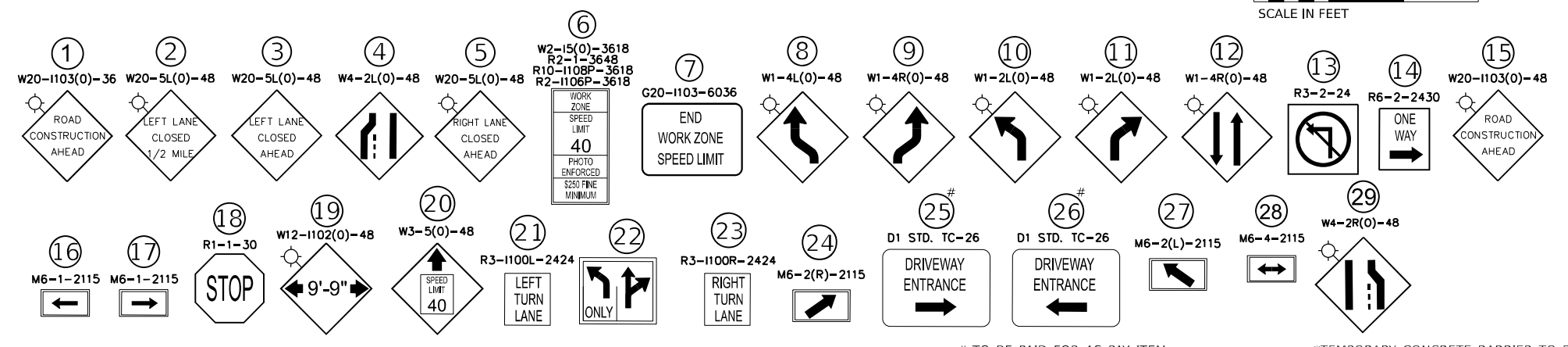
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Long Section Number



MOT LEGEND AND SYMBOLS

- WORK ZONE
- COMPLETED WORK
- 4" YELLOW (A)
- 4" WHITE (B)
- 6" WHITE (C)
- 24" WHITE (D)
- WHITE 2' DASH 6' SKIP (E)
- WHITE 10' DASH 30' SKIP (F)
- DOUBLE YELLOW CENTERLINE (G)
- 8" WHITE (H)
- TCB AND ATTENUATOR (TEMPORARY OR RELOCATE, FULLY REDIRECTIVE, NARROW, TEST LEVEL 3)
- ARROW BOARD
- DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- TYPE II BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- REFLECTORS AT 25' C-C
- DRUMS AT 50' C-C
- TYPE III BARRICADE WITH FLASHING MONODIRECTIONAL LIGHTS
- EX. DETECTOR LOOP (APPROX. LOCATION)



MODEL: MOT Sheet 2-1
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PLOT DATE = 7/18/2023	DATE - 5/26/2023	REVISOR -

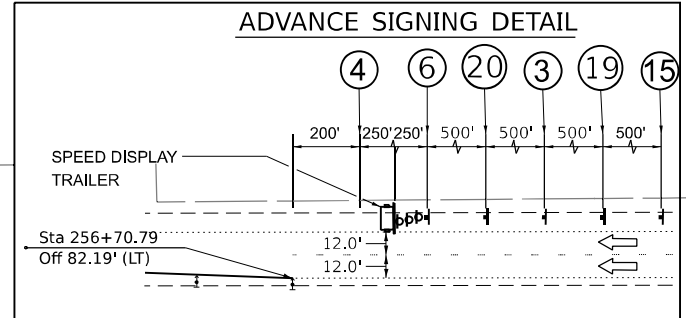
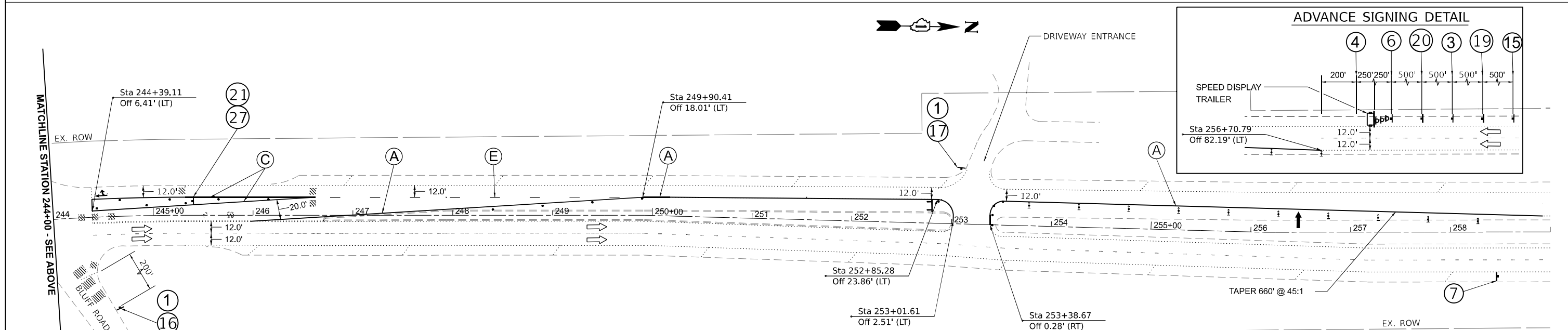
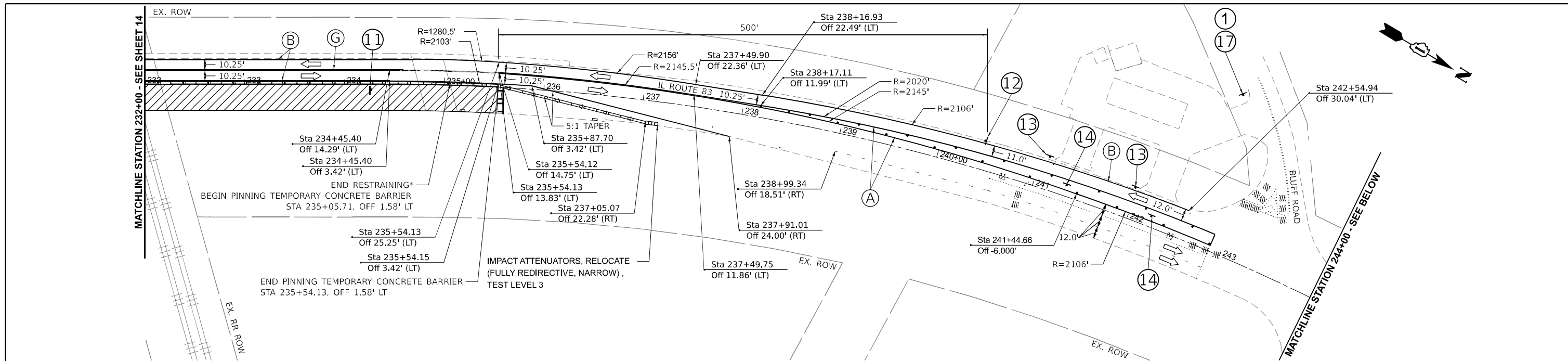
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC STAGE 2
ILLINOIS ROUTE 83 OVER BNSF RAILROAD**

F.A.P. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0344	FAP 0344 22 BJ	DUPAGE	60	14
CONTRACT NO. 62T12			Long Section Number	

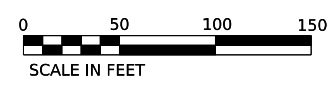
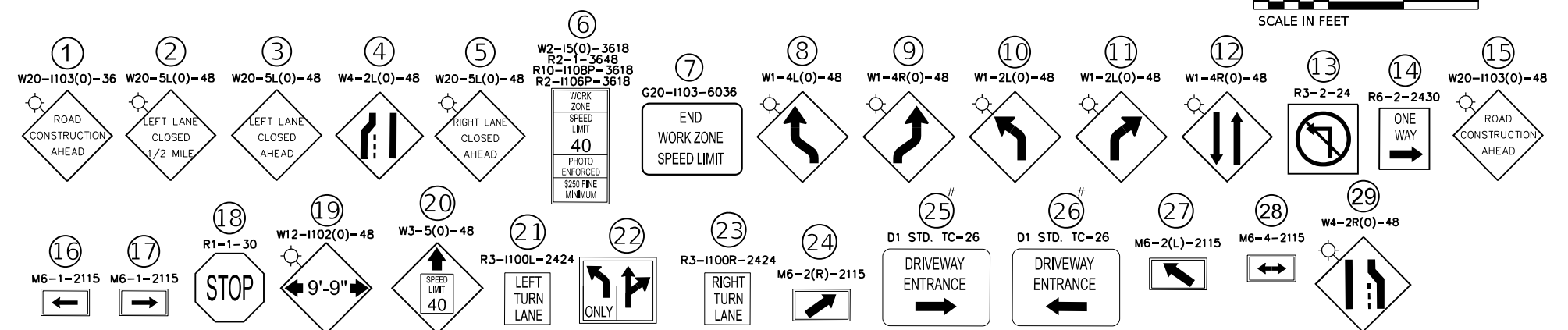
SCALE: 1:50 SHEET 1 OF 2 SHEETS STA. TO STA.

TO BE PAID FOR AS PAY ITEM: TEMPORARY INFORMATION SIGNING (Z0030850) *TEMPORARY CONCRETE BARRIER TO BE RESTRAINED AS SHOWN ON DETAIL R-27



MOT LEGEND AND SYMBOLS

- WORK ZONE
- COMPLETED WORK
- 4" YELLOW (A)
- 4" WHITE (B)
- 6" WHITE (C)
- 24" WHITE (D)
- WHITE 2' DASH 6' SKIP (E)
- WHITE 10' DASH 30' SKIP (F)
- DOUBLE YELLOW CENTERLINE (G)
- 8" WHITE (H)
- TCB AND ATTENUATOR (TEMPORARY OR RELOCATE, FULLY REDIRECTIVE, NARROW, TEST LEVEL 3)
- ARROW BOARD
- DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- TYPE II BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- REFLECTORS AT 25' C-C
- DRUMS AT 50' C-C
- TYPE III BARRICADE WITH FLASHING MONODIRECTIONAL LIGHTS
- EX. DETECTOR LOOP (APPROX. LOCATION)



TO BE PAID FOR AS PAY ITEM: TEMPORARY INFORMATION SIGNING (Z0030850) *TEMPORARY CONCRETE BARRIER TO BE RESTRAINED AS SHOWN ON DETAIL R-27



USER NAME = vvesco	DESIGNED - KMM	REVISED -
PLOT SCALE = 0.1666667 / in.	DRAWN - KMM	REVISED -
PLOT DATE = 7/18/2023	CHECKED - AP	REVISED -
	DATE - 5/26/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

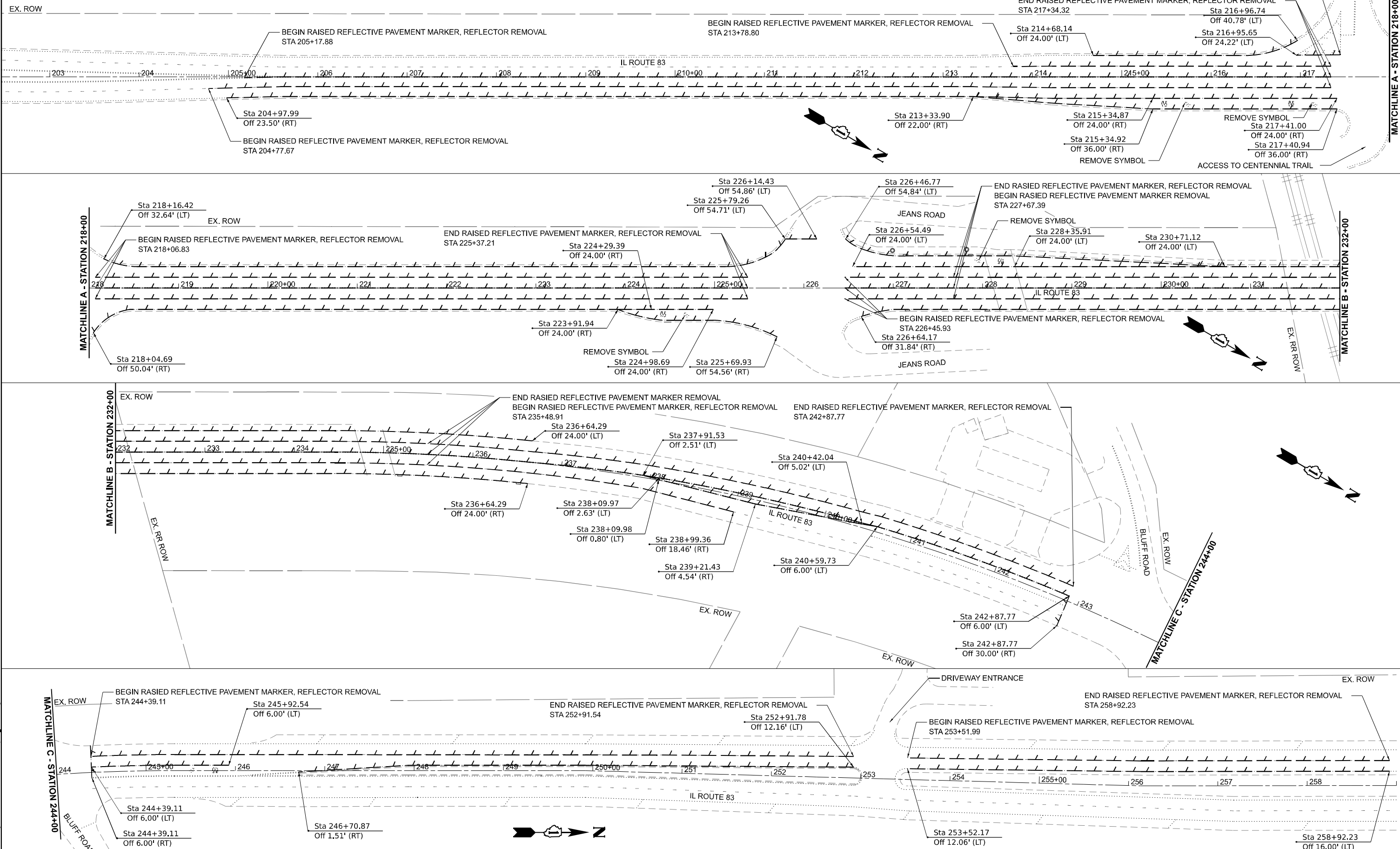
MAINTENANCE OF TRAFFIC STAGE 2	
ILLINOIS ROUTE 83 OVER BNSF RAILROAD	
SCALE: 1:50	SHEET 2 OF 2 SHEETS
STA.	TO STA.

F.A.P. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0344	FAP 0344 22 BJ	DUPAGE	60	15
CONTRACT NO. 62T12			Long Section Number	

MODEL: MOT Sheet 2-2
FILE NAME: A:\530 Drawings\502_CADD_Sheets\0212-ark-mot\15out_Sheet2.dgn

PAVEMENT MARKING REMOVAL LEGEND

PAVEMENT MARKING REMOVAL - WATER BLASTING (78300202)



MODEL: PAK Sheet
FILE NAME: X:\580 Drawings\502_CADD_Sheets\021212-antgmk_removal.dgn



USER NAME = ebarbosa	DESIGNED - KMM	REVISED -
PLOT SCALE = 0.166666' / in.	DRAWN - KMM	REVISED -
PLOT DATE = 7/18/2023	CHECKED - AP	REVISED -
	DATE - 5/26/2023	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING REMOVAL PLAN
ILLINOIS ROUTE 83 OVER BNSF RAILROAD**

SCALE: 1:50 SHEET 1 OF 1 SHEETS STA. TO STA.

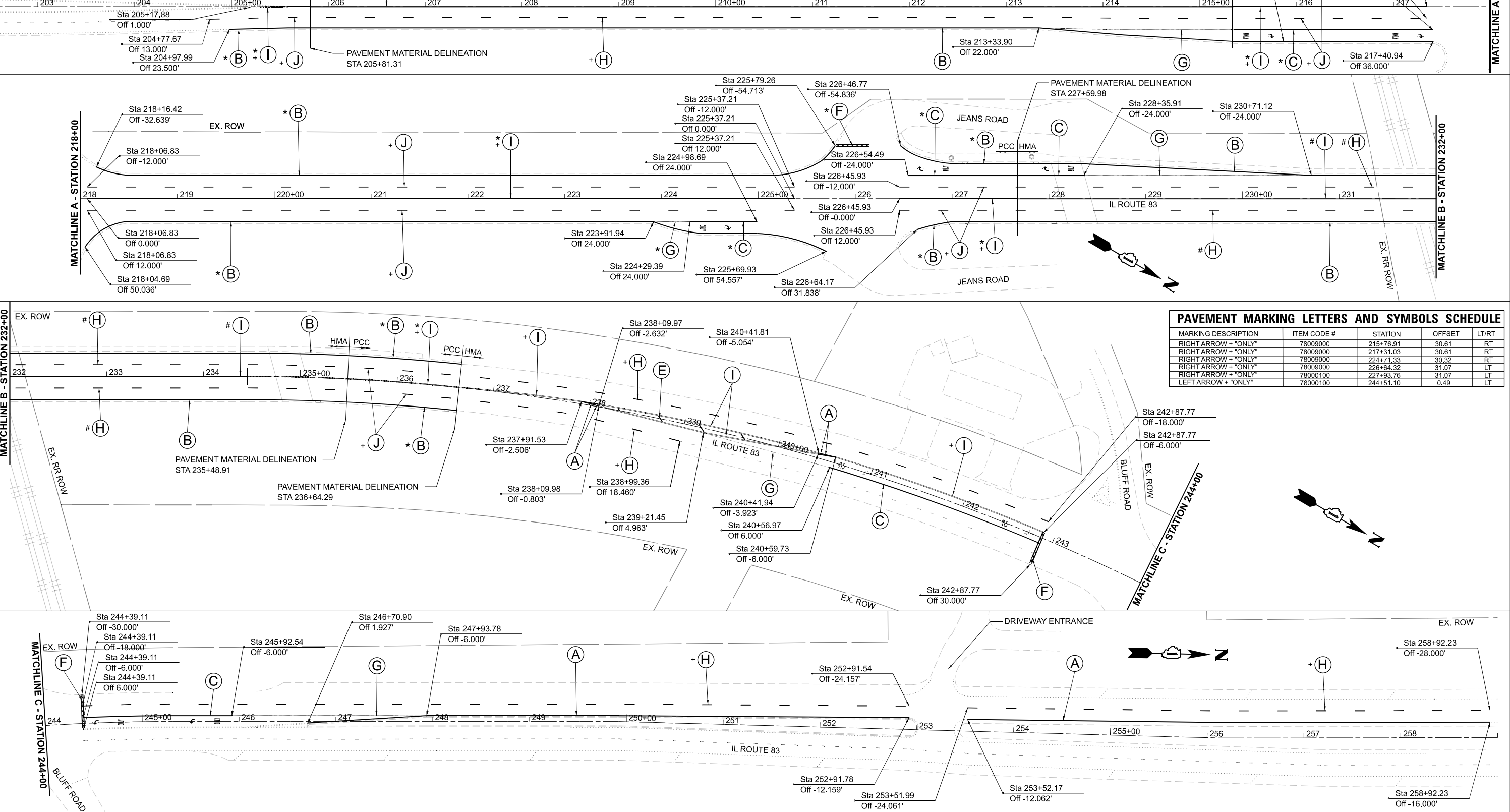
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0344	FAP 0344 22 BJ	DUPAGE	60	16
CONTRACT NO. 62T12			Long Section Number	

PROPOSED PAVEMENT MARKING LEGEND

- 4" YELLOW (A)
- 4" WHITE (B)
- 6" WHITE (C)
- 8" WHITE (D)
- 12" YELLOW (E)
- 24" WHITE (F)
- WHITE 2' DASH 6' SKIP (G)
- WHITE 10' DASH 30' SKIP (H)
- DOUBLE YELLOW CENTERLINE (I)
- 7" - 1.5" BLACK, 4" WHITE 1.5" BLACK, 10' DASH 30' SKIP (GROOVED) (J)

NOTES

PAVEMENT MARKING MATERIAL USED DETERMINED ON BASIS OF PAVEMENT SURFACE MATERIAL. PAVEMENT MARKING PLACED ON PCC AND MARKED WITH TO BE COMPRISED OF MODIFIED URETHANE. PREFORMED PAVEMENT MARKING, TYPE D AND GROOVING FOR RECESSED PAVEMENT MARKING SHALL BE USED FOR ALL LANE LINE PAVEMENT MARKINGS WITHIN BRIDGE LIMITS AND PCC PAVEMENTS. ALL OTHER MARKINGS (THOSE PLACED ON HMA) TO BE COMPRISED OF THERMOPLASTIC. PREFORMED PAVEMENT MARKINGS TYPE D AND GROOVING FOR RECESSED PAVEMENT MARKINGS SHALL BE USED FOR ALL LANE LINE PAVEMENT MARKINGS WITHIN BRIDGE LIMITS AND PCC PAVEMENTS. # TO BE ACCOMPANIED WITH PAY ITEM 78100100 RAISED REFLECTIVE PAVEMENT MARKER + TO BE ACCOMPANIED WITH PAY ITEM 20049100 RAISED PAVEMENT MARKER REFLECTOR REPLACEMENT



PAVEMENT MARKING LETTERS AND SYMBOLS SCHEDULE

MARKING DESCRIPTION	ITEM CODE #	STATION	OFFSET	LT/RT
RIGHT ARROW + "ONLY"	78009000	215+76.91	30.61	RT
RIGHT ARROW + "ONLY"	78009000	217+31.03	30.61	RT
RIGHT ARROW + "ONLY"	78009000	224+71.33	30.32	RT
RIGHT ARROW + "ONLY"	78009000	226+64.32	31.07	LT
RIGHT ARROW + "ONLY"	78000100	227+93.76	31.07	LT
LEFT ARROW + "ONLY"	78000100	244+51.10	0.49	LT

MODEL: PAK Sheet
 FILE NAME: X:\500 Drawings\502_CADD_Sheets\02112-antgmk.dgn
 11 S. LaSalle Street, Suite 210
 Chicago, Illinois 60603
 312-454-0500
 www.bowman.com



USER NAME = ebarbosa	DESIGNED - KMM	REVISED -
PLOT SCALE = 0.166666' / in.	DRAWN - KMM	REVISED -
PLOT DATE = 7/18/2023	CHECKED - AP	REVISED -
	DATE - 5/26/2023	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

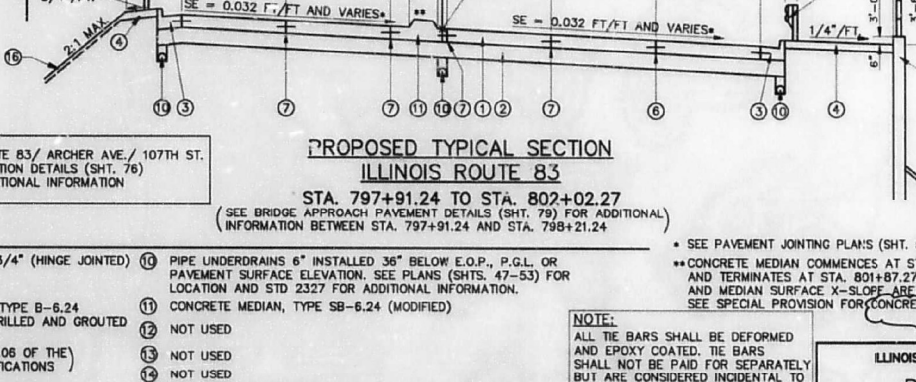
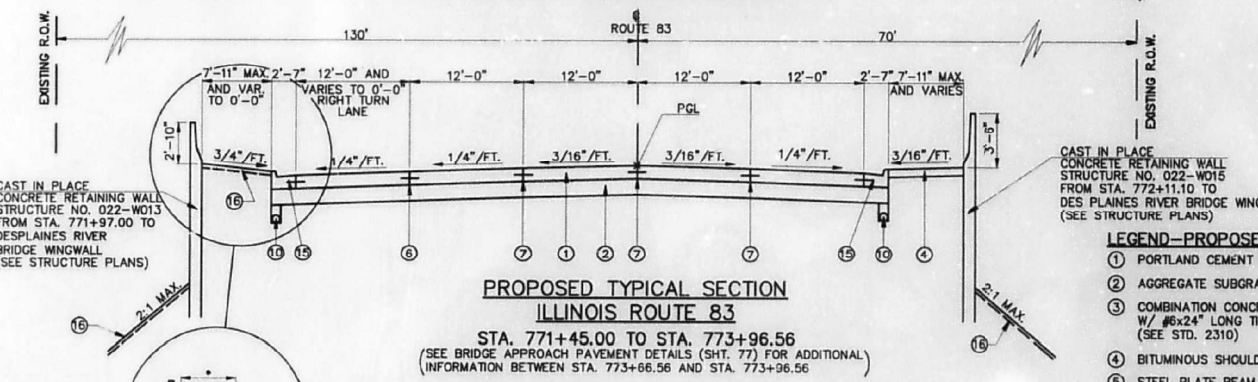
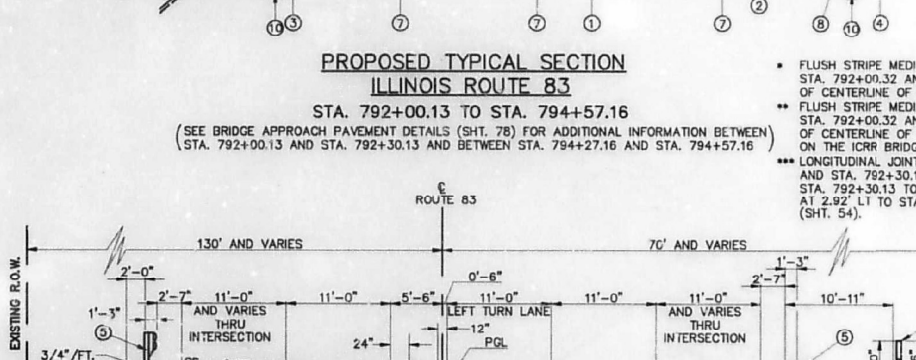
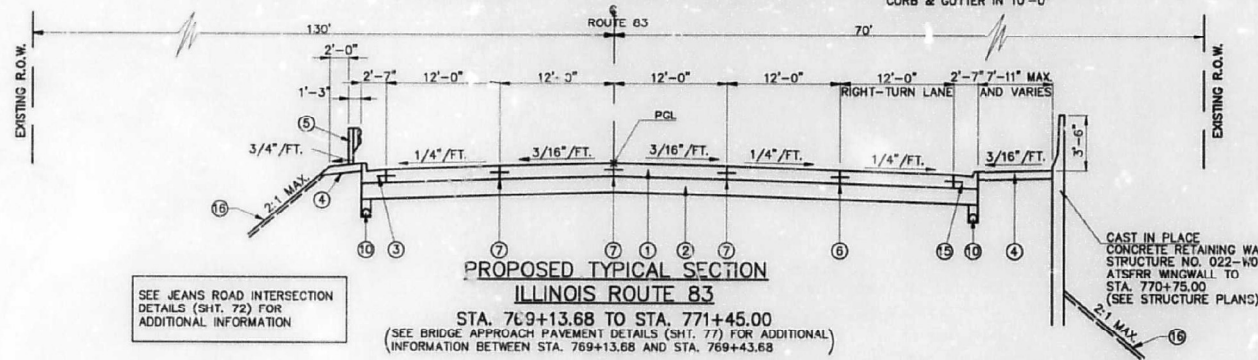
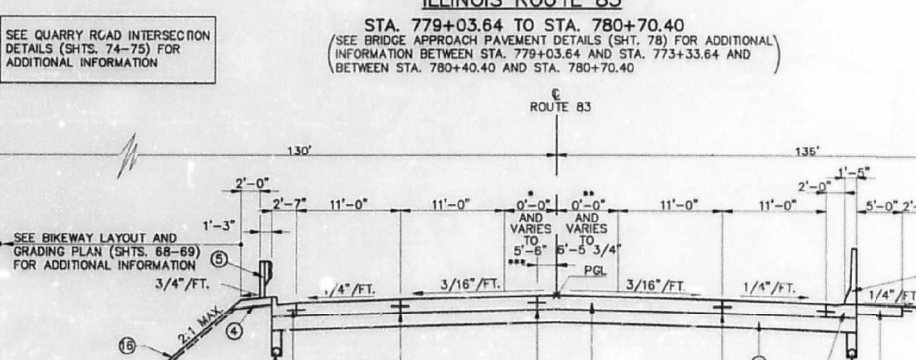
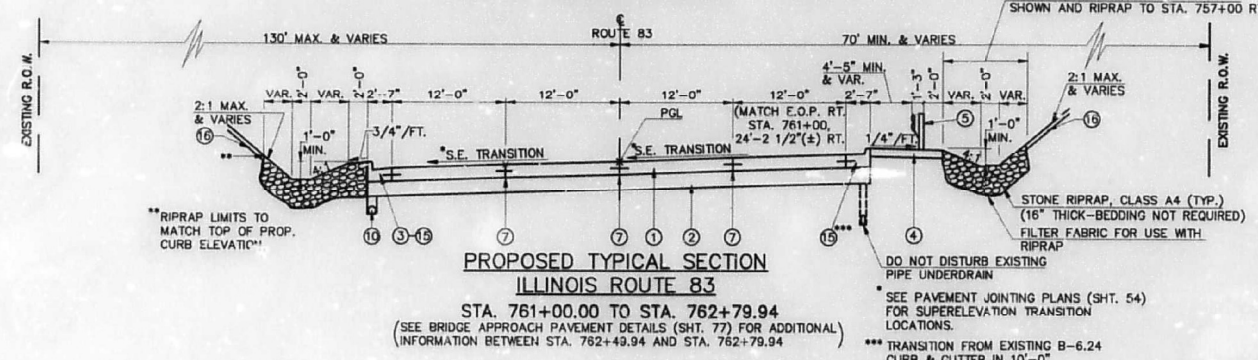
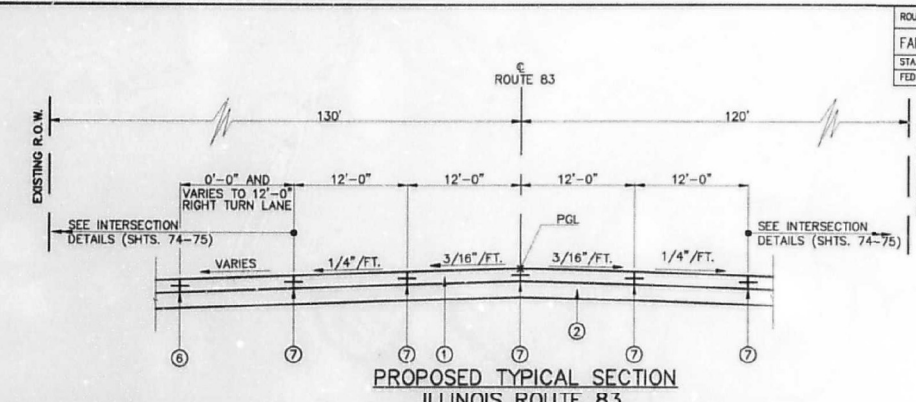
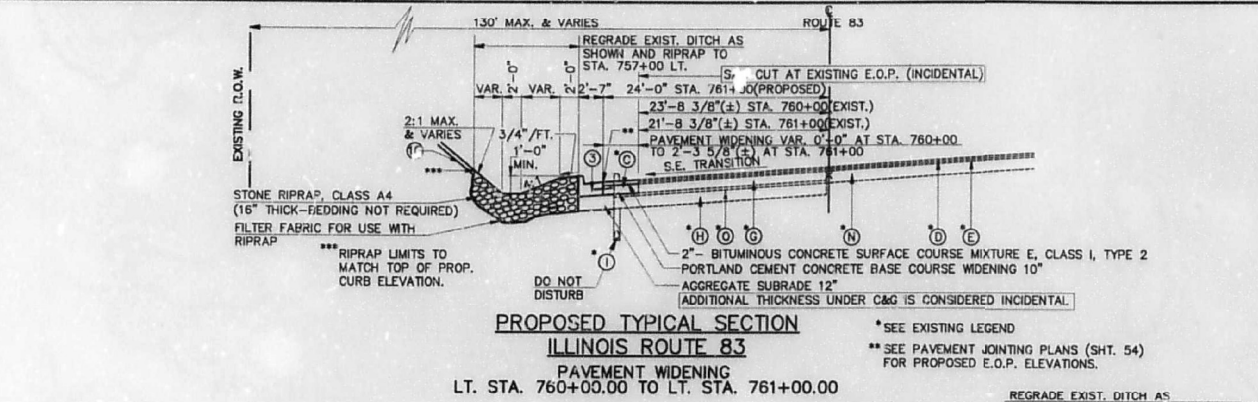
**PROPOSED PAVEMENT MARKING PLAN
ILLINOIS ROUTE 83 OVER BNSF RAILROAD**

SCALE: 1:50 SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE. 0344	SECTION FAP 0344 22 BJ	COUNTY DUPAGE	TOTAL SHEETS 60	SHEET NO. 17
CONTRACT NO. 62T12			ILLINOIS FED. AID PROJECT	

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 344	*	COOK/DUPAGE	503	16
STA.	TO STA.		PROJECT	
FED. ROAD DIST. NO. 7	ILLINOIS		PROJECT	

* 545X-R-1; 545YB-2-BY; 545(B-5 & BVB-1, 3 & 4)R



LEGEND-PROPOSED CONDITIONS

- 1 PORTLAND CEMENT CONCRETE PAVEMENT 9-3/4" (HINGE JOINTED)
- 2 AGGREGATE SUBGRADE 12"
- 3 COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24 W/ #6x24" LONG TIE BARS AT 2'-0" O.C.-DRILLED AND GROUDED (SEE STD. 2310)
- 4 BITUMINOUS SHOULDERS 6" (SEE ARTICLE 630.06 OF THE STANDARD SPECIFICATIONS)
- 5 STEEL PLATE BEAM GUARD RAIL, TYPE A
- 6 OPTIONAL SAWED LONGITUDINAL JOINT W/ #6x24" LONG TIE BARS AT 2'-0" O.C. OR CONSTRUCT ITEM 7. (SEE STD. 2323 AND DETAIL SHT. 110)
- 7 LONGITUDINAL CONSTRUCTION JOINT W/ #6x24" LONG TIE BARS AT 2'-0" O.C. (SEE STD. 2323 AND DETAIL SHT. 110)
- 8 CONCRETE BARRIER BASE (SEE DETAILS - SHT. 110)
- 9 CONCRETE BARRIER, SINGLE FACE, 6" TOP, 42" HEIGHT (SEE DETAILS - SHT. 110)
- 10 PIPE UNDERDRAINS 6" INSTALLED 36" BELOW E.O.P., P.G.L. OR PAVEMENT SURFACE ELEVATION. SEE PLANS (SHTS. 47-53) FOR LOCATION AND STD 2327 FOR ADDITIONAL INFORMATION.
- 11 CONCRETE MEDIAN, TYPE SB-6.24 (MODIFIED)
- 12 NOT USED
- 13 NOT USED
- 14 NOT USED
- 15 COMBINATION CONCRETE CURB AND GUTTER, TYPE M-4.24 W/ #6x24" LONG TIE BARS AT 2'-0" O.C.-DRILLED AND GROUDED (SEE STD. 2310)
- 16 SEE LANDSCAPING PLANS (SHTS. 60-63)

NOTE:
ALL TIE BARS SHALL BE DEFORMED AND EPOXY COATED. TIE BARS SHALL NOT BE PAID FOR SEPARATELY BUT ARE CONSIDERED INCIDENTAL TO THE ASSOCIATED CONSTRUCTION.

ILLINOIS DEPARTMENT OF TRANSPORTATION
PROPOSED ROADWAY TYPICAL SECTIONS

REVISIONS	
NAME	DATE

SCALE: NO SCALE
DATE: 2-15-96
DRAWN BY: B.E.D.
CHECKED BY: D.W.M.

FOR INFORMATION ONLY

MODEL: D:\dwg\11\11500\Drawings\502_CADD_Sheets\02T12-rt-ss-buffr01.dwg
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CLARK DETZ, INC. CAD: TYPICAL

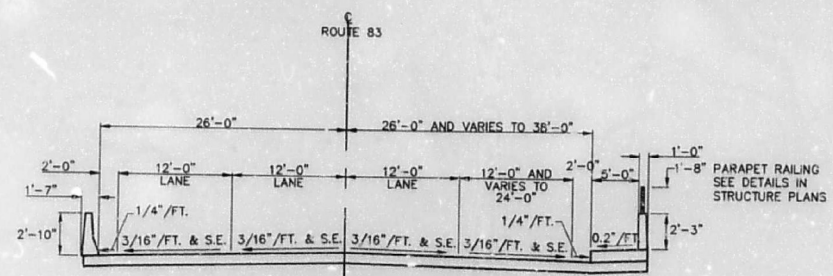


USER NAME = ebarbosa	DESIGNED - KMM	REVISED -
PLOT SCALE = 20.000' / in.	DRAWN - KMM	REVISED -
PLOT DATE = 7/18/2023	CHECKED - AP	REVISED -
	DATE - 5/26/2023	REVISED -

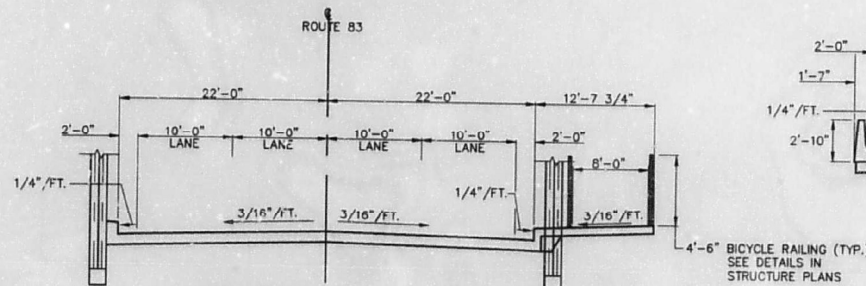
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

AS-BUILT ROADWAY TYPICAL SECTIONS		F.A.P. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ILLINOIS ROUTE 83 OVER BNSF RAILROAD		0344	FAP 0344 22 BJ	DUPAGE	60	18
SCALE: SHEET 1 OF 4 SHEETS STA. TO STA.		CONTRACT NO. 62T12		ILLINOIS FED. AID PROJECT		

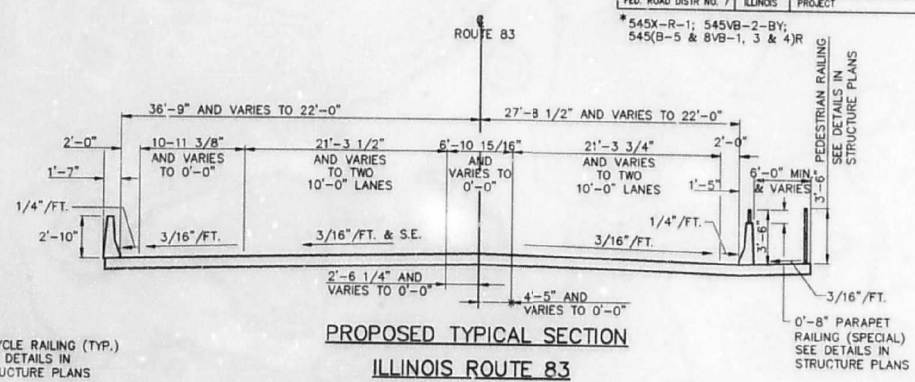
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 344	*	COOK/DUPAGE	503	18
STA.	TO STA.			
FED. ROAD DIST. NO. 7	ILLINOIS	PROJECT		



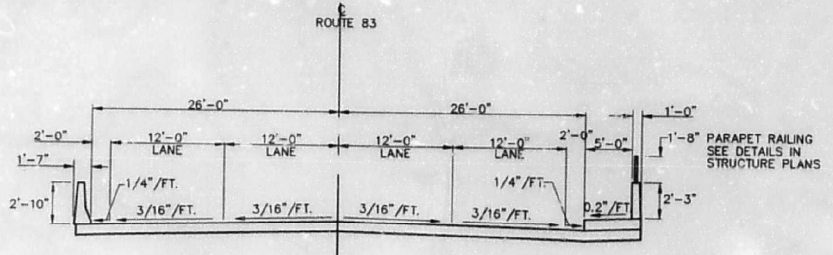
PROPOSED TYPICAL SECTION
ILLINOIS ROUTE 83
 STA. 762+79.94 TO STA. 769+13.68
 NEW STRUCTURE NO. 022-1069
 BRIDGE OVER A.T. & S.F. RAILROAD



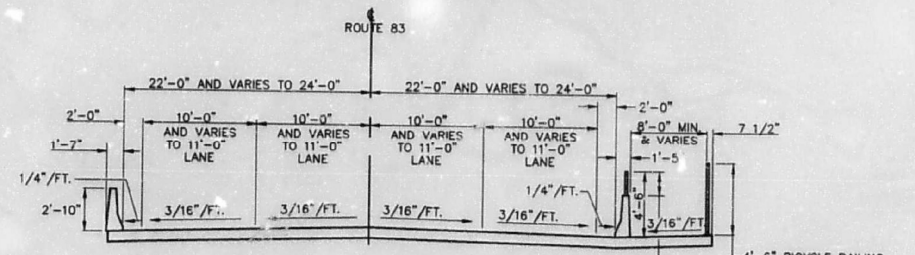
PROPOSED TYPICAL SECTION
ILLINOIS ROUTE 83
 STA. 784+22.65 (Q PIER NO. 7) TO STA. 786+73.59 (Q PIER NO. 8)
 STRUCTURE NO. 016-0425
 BRIDGE OVER CHICAGO SANITARY & SHIP CANAL (TRUSS STRUCTURE)



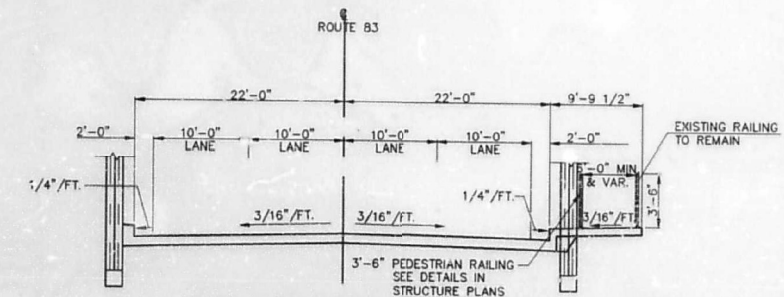
PROPOSED TYPICAL SECTION
ILLINOIS ROUTE 83
 STA. 805+97.53 TO STA. 806+98.26 (Q PIER NO. 2)
 STRUCTURE NO. 016-0427
 BRIDGE OVER CAL-SAG CHANNEL (NORTH APPROACH SPANS)



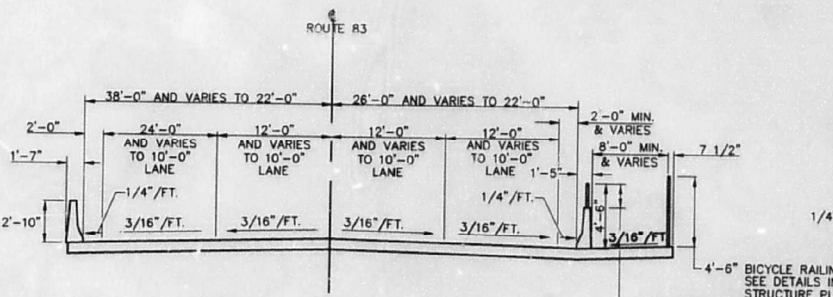
PROPOSED TYPICAL SECTION
ILLINOIS ROUTE 83
 STA. 773+96.56 TO STA. 779+03.64
 STRUCTURE NO. 022-0053
 BRIDGE OVER DES PLAINES RIVER



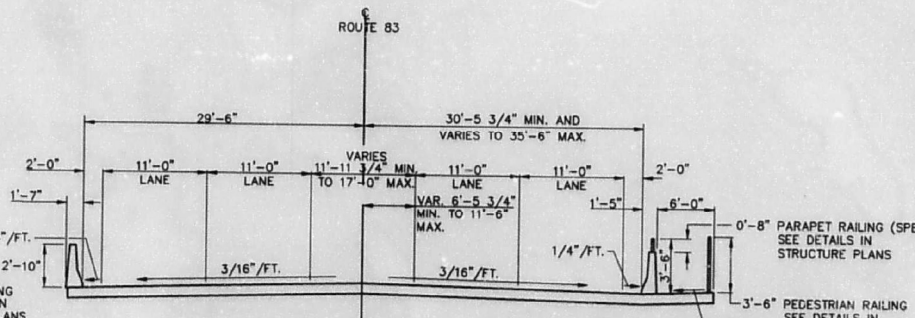
PROPOSED TYPICAL SECTION
ILLINOIS ROUTE 83
 STA. 786+73.59 (Q PIER NO. 8) TO STA. 792+00.13
 STRUCTURE NO. 016-0425
 BRIDGE OVER CHICAGO SANITARY & SHIP CANAL (SOUTH APPROACH SPANS)



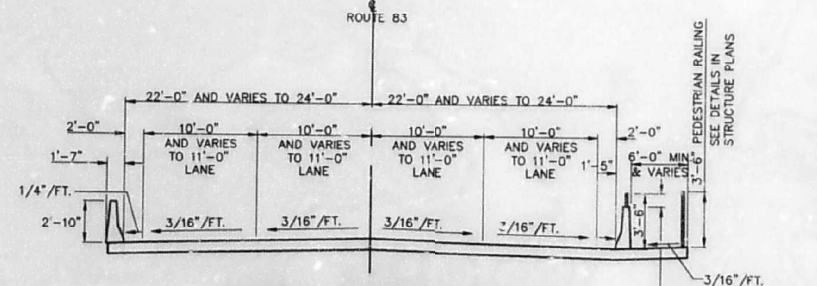
PROPOSED TYPICAL SECTION
ILLINOIS ROUTE 83
 STA. 806+98.26 (Q PIER NO. 2) TO STA. 810+03.65 (Q PIER NO. 3)
 STRUCTURE NO. 016-0427
 BRIDGE OVER CAL-SAG CHANNEL (TRUSS STRUCTURE)



PROPOSED TYPICAL SECTION
ILLINOIS ROUTE 83
 STA. 780+70.40 TO STA. 784+22.65 (Q PIER NO. 7)
 STRUCTURE NO. 016-0425
 BRIDGE OVER CHICAGO SANITARY & SHIP CANAL (NORTH APPROACH SPANS)



PROPOSED TYPICAL SECTION
ILLINOIS ROUTE 83
 STA. 794+57.16 TO STA. 797+91.24
 STRUCTURE NO. 016-0426
 BRIDGE OVER I.C. RAILROAD



PROPOSED TYPICAL SECTION
ILLINOIS ROUTE 83
 STA. 810+03.68 (Q PIER NO. 3) TO STA. 816+06.00
 STRUCTURE NO. 016-1022
 BRIDGE OVER CAL-SAG CHANNEL (SOUTH APPROACH SPANS)

- NOTES:**
- EXCEPT WHERE NOTED OTHERWISE, STATION LOCATIONS OF TYPICAL SECTIONS REFER TO LIMIT OF BRIDGE APPROACH PAVEMENT.
 - THESE BRIDGE DECK SECTIONS ARE PROVIDED FOR GENERAL INFORMATION ONLY AS THEY RELATE TO DIMENSIONAL CROSS-SECTION ELEMENTS OF THE ADJACENT ROADWAY SECTIONS AS SHOWN IN THE PROPOSED ROADWAY TYPICAL SECTIONS. SEE BRIDGE PLANS FOR ALL STRUCTURE DIMENSIONS AND DETAILS.

REVISIONS	
NAME	DATE
CORRECT TYPO	3/16

ILLINOIS DEPARTMENT OF TRANSPORTATION

PROPOSED BRIDGE DECK TYPICAL SECTIONS

SCALE : NO SCALE

DATE : 2-15-96
 DRAWN BY : B.E.D.
 CHECKED BY : D.W.M.

FOR INFORMATION ONLY

Bowman

10 S. LaSalle Street, Suite 2100
 Chicago, Illinois 60603
 312-464-0800
 www.bowman.com

USER NAME = ebarbosa	DESIGNED - KMM	REVISED -
PLOT SCALE = 20,000' / in.	DRAWN - KMM	REVISED -
PLOT DATE = 7/18/2023	CHECKED - AP	REVISED -
	DATE - 5/26/2023	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

AS-BUILT BRIDGE DECK TYPICAL SECTIONS
 ILLINOIS ROUTE 83 OVER BNSF RAILROAD

SCALE: SHEET 2 OF 4 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0344	FAP 0344 22 BJ	DUPAGE	60	19
CONTRACT NO. 62T12			ILLINOIS FED. AID PROJECT	

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 344	*	COOK/DUPAGE	503	46
STA. TO STA.		PROJECT		
RED. ROAD DISTR. NO. 7		ILLINOIS		

* 545X-R-1; 545VB-2-BY;
545(B-5 & BVB-1, 3 & 4)R

SEC. 11, T. 37 N., R. 11 E., 3RD P.M.
DUPAGE COUNTY

BEGIN PROJECT RECONSTRUCTION STA. 761+00.00

DRAINAGE STRUCTURES TO BE CLEANED

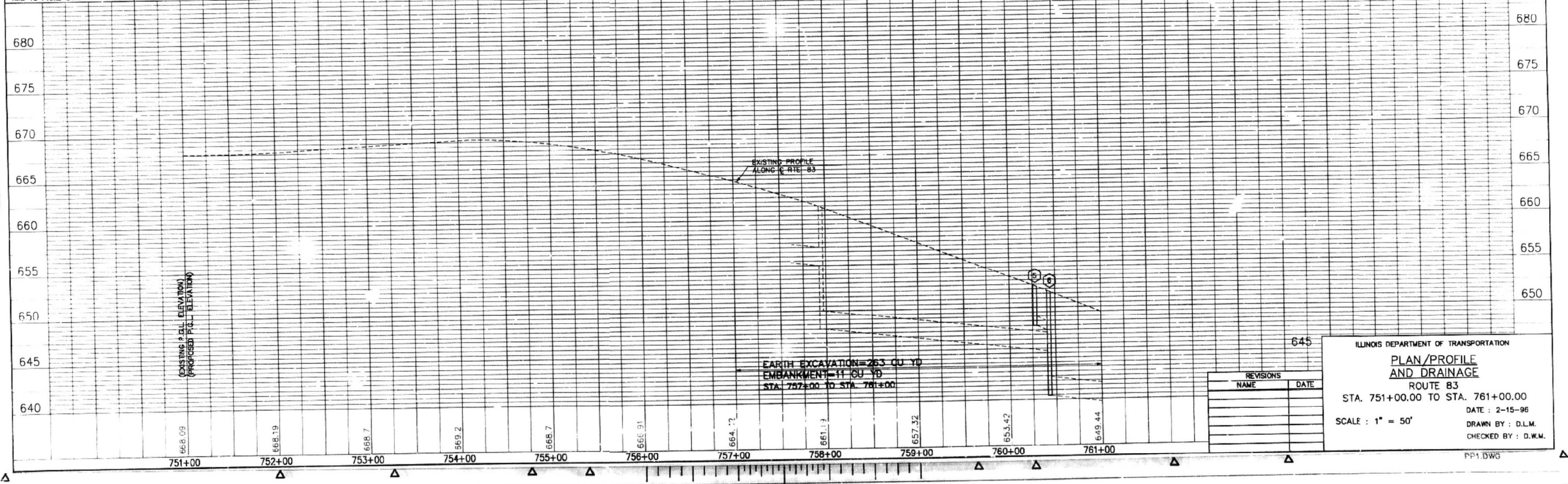
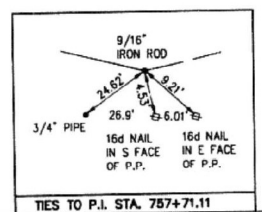
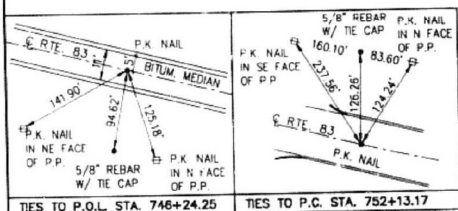
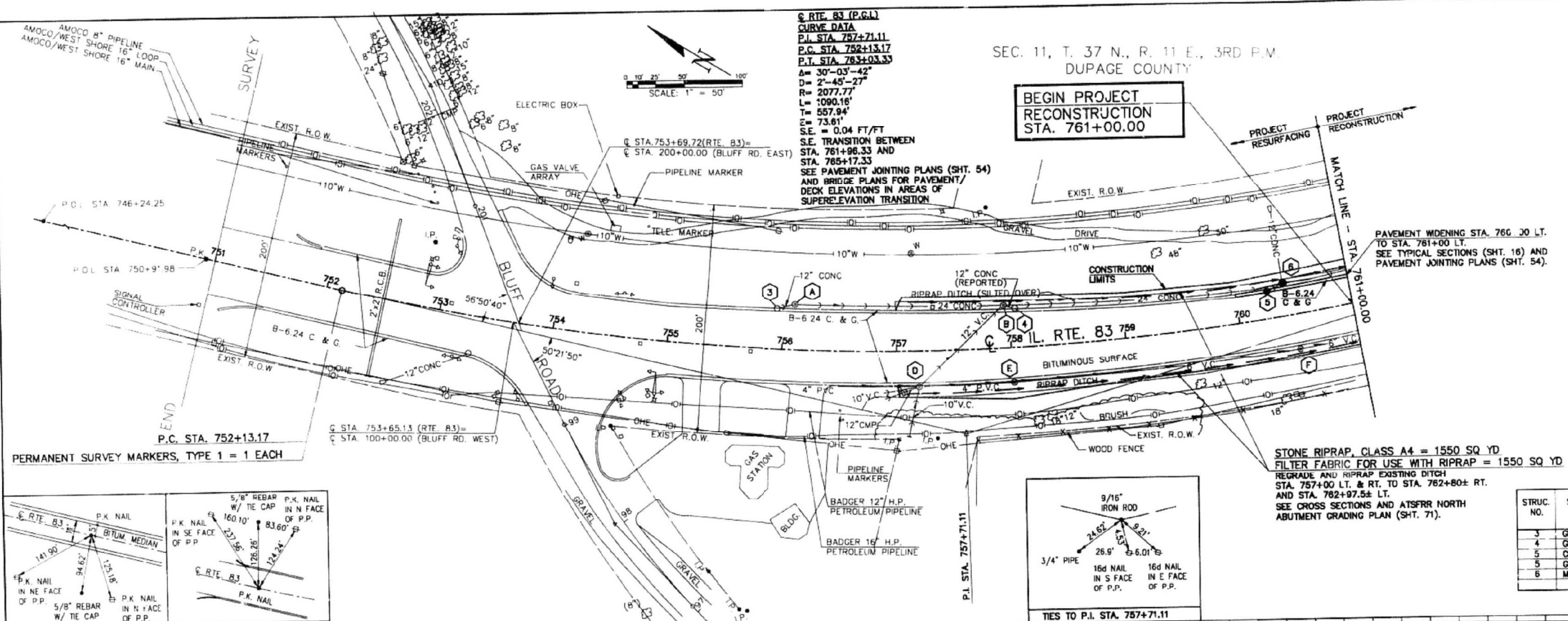
STRUC. NO.	LOCATION	EACH
3	755+33, 34.0 LT	1
A	756+10, 39.0 LT	1
B	757+19.5, 31.7 RT	1
B	757+95, 36.5 LT	1
4	758+04, 34.0 LT	1
E	758+01, 31.6 RT	1
F	760+49, 30.1 RT	1
5	760+28, 25.06 LT	1
6	760+43, 28.5 LT	1
TOTAL		9

STORM SEWERS TO BE CLEANED

LOCATION STR.-STN.	FOOT
3-A	12
A-B	176
4-B	10
B-C	448
5-E	12
D-B	98
D-E	78
E-F	248
TOTAL	1082

STRUC. NO.	STRUCTURE TYPE	STA. TO C.L. 7'±	OFFSET TO C.L. 7'±	TOP OF FRAME ELEV.	INVERT ELEV. IN	INVERT ELEV. OUT
3	GRATES 124	755+33	34.00 LT	EXIST.	---	---
4	GRATES 124	758+04	34.00 LT	EXIST.	---	---
5	CB RECONST SPL	760+28	25.06 LT	---	---	---
6	MAN RECONST SPL	760+43	28.50 LT	651.06	---	---

1. MAINTAIN EXISTING STRUCTURE INVERT ELEVATIONS(±)



REVISIONS	NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAN/PROFILE AND DRAINAGE
ROUTE 83
STA. 751+00.00 TO STA. 761+00.00
DATE: 2-15-96
DRAWN BY: D.L.M.
CHECKED BY: D.W.M.

FOR INFORMATION ONLY

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

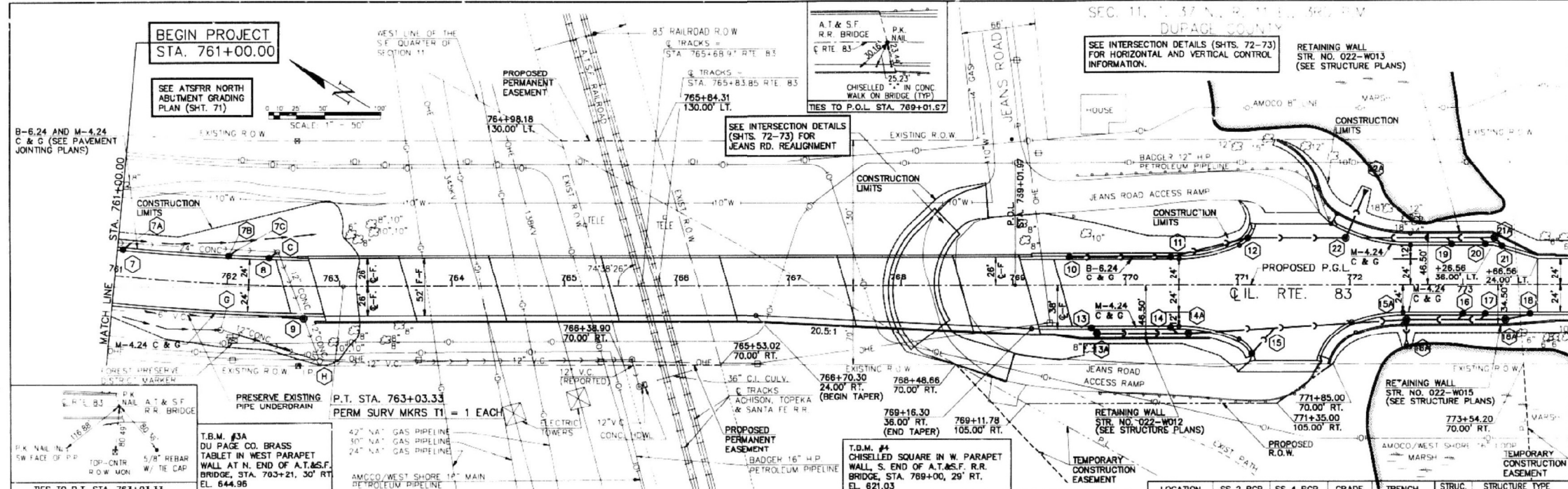
AS-BUILT PLAN/PROFILE AND DRAINAGE
ILLINOIS ROUTE 83 OVER BNSF RAILROAD

F.A.P. RTE. 0344	SECTION FAP 0344 22 BJ	COUNTY DUPAGE	TOTAL SHEETS 60	SHEET NO. 20
SCALE: SHEET 3 OF 4 SHEETS STA. TO STA.			CONTRACT NO. 62T12	
ILLINOIS FED. AID PROJECT				

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10 S. LaSalle Street, Suite 2100
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312-464-0000
www.bowman.com

USER NAME = ebarbosa	DESIGNED - KMM	REVISED -
PLOT SCALE = 20.000' / in.	DRAWN - KMM	REVISED -
PLOT DATE = 7/18/2023	CHECKED - AP	REVISED -
	DATE - 5/26/2023	REVISED -

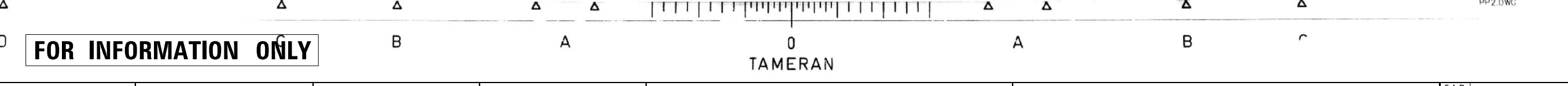
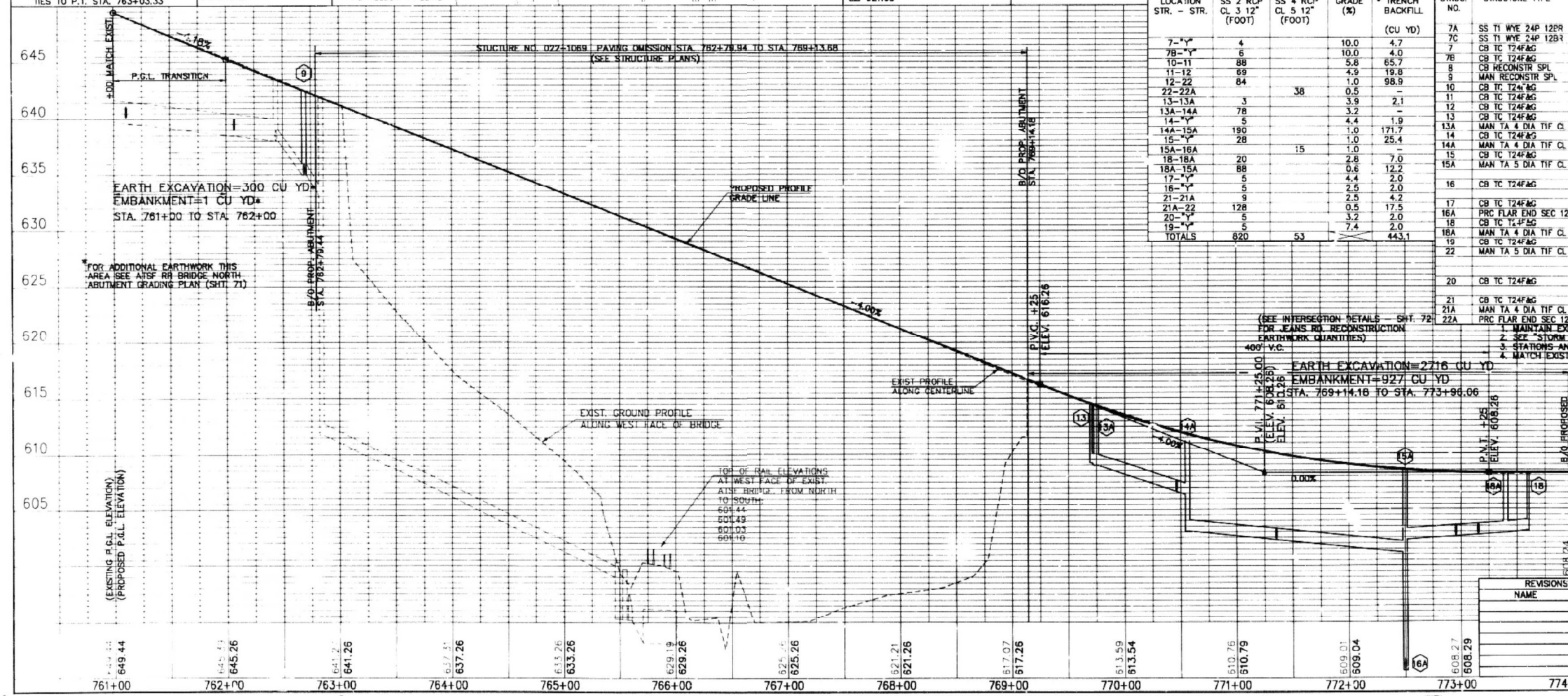
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ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 344	* COOK/DUPAGE	503	47	

STRUC. NO.	LOCATION	EACH
C	761+96.0, 40.8 RT	1
B	762+36.5, 25.06 LT	1
C	762+44.0, 31.0 LT	1
H	762+69(±), 28.3 RT	1
H	762+83, 65.3 RT	1
TOTAL		5

TABLE OF PIPE UNDERDRAINS		STORM SEWERS TO BE CLEANED	
LOCATION (DIRECTION OF FLOW)	PIPE UNDERDRAINS NOTES	LOCATION STR - STR	FOOT
STR. 7 - STR. 7A	91	F-9	218
STR. 7A - STR. 8	33	B-C	8
762+72 LT. - STR. 10	43	C-9	60
STR. 10 - STR. 11	87	9-H	36
STR. 11 - STR. 12	74	TOTAL 410	
STR. 12 - STR. 22	84		
769+25 RT. - STR. 13	43		
STR. 13 - STR. 14	68		
STR. 14 - STR. 15A	210		
773+94 RT. - STR. 18	33		
STR. 18 - STR. 17	37		
STR. 17 - STR. 16	17		
STR. 16 - STR. 15A	50		
773+94 LT. - STR. 21	59		
STR. 21 - STR. 20	12		
STR. 20 - STR. 19	27		
STR. 19 - STR. 22	91		
TOTAL:			1092



Bowman
10 S. LaSalle Street, Suite 210
Chicago, Illinois 60603
312-464-0000
www.bowman.com

USER NAME	= ebarbosa	DESIGNED	- KMM	REVISED	-
DRAWN	- KMM	REVISIONS	-	REVISIONS	-
PLOT SCALE	= 20.000' / in.	CHECKED	- AP	REVISIONS	-
PLOT DATE	= 7/18/2023	DATE	= 5/26/2023	REVISIONS	-

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**AS-BUILT PLAN/PROFILE AND DRAINAGE
ILLINOIS ROUTE 83 OVER BNSF RAILROAD**

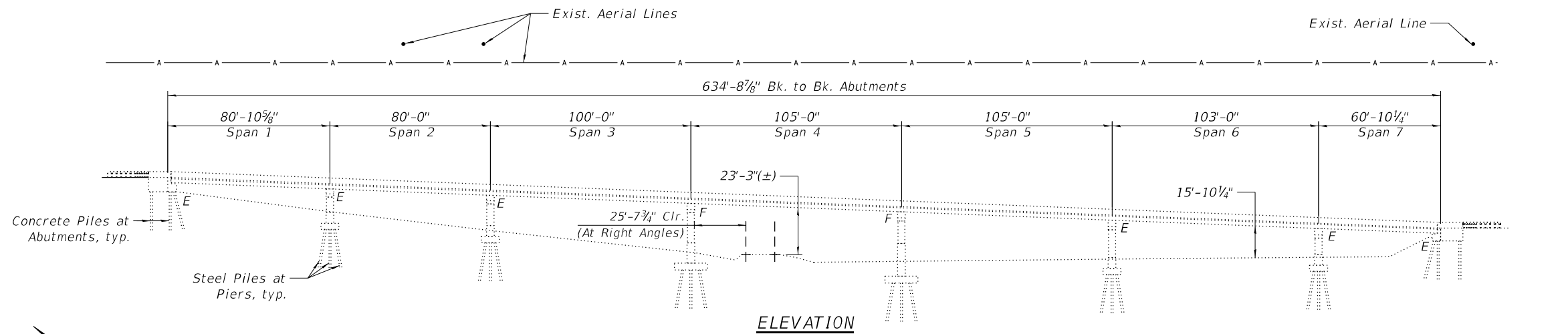
SCALE: SHEET 4 OF 4 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0344	FAP 0344 22 BJ	DUPAGE	60	21

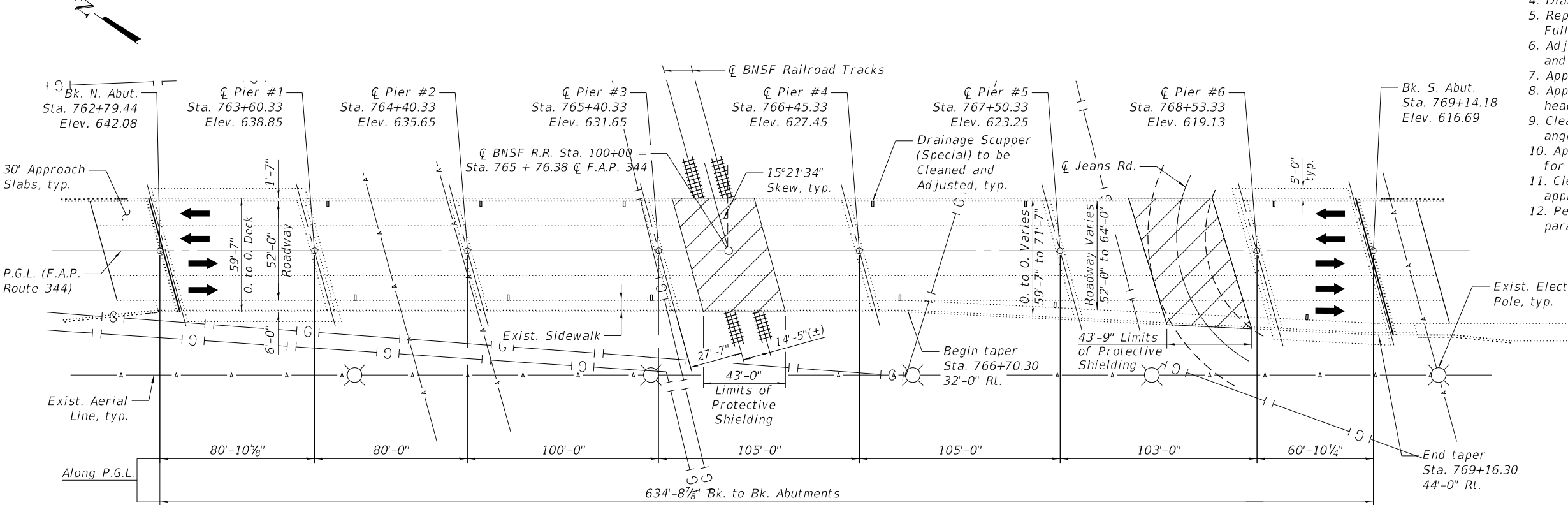
DATE: 2-15-96
DRAWN BY: D.L.M.
CHECKED BY: D.W.M.

Existing Structure: S.N. 022-1069, originally built in 1997 as a seven-span continuous steel superstructure with stub abutments and six multi-column trapezoidal piers. The back to back length is 634'-8⁷/₈" and the out-to-out width is 59'-7" at the north end and tapers to 71'-7" out-to-out at the south end. The structure is to be repaired as detailed in these plans.

The structure will be repaired using staged construction to maintain traffic, see sheet 3 of 30.



ELEVATION



PLAN

DESIGN STRESSES

FIELD UNITS (EXIST. CONST.)

$f'_c = 3,500$ psi
 $f_y = 60,000$ psi
 $f_y = 50,000$ psi M223 Gr.50 & M222
 $f_y = 36,000$ psi M183

FIELD UNITS (NEW CONST.)

$f'_c = 4,000$ psi (Superstructure)
 $f'_c = 3,500$ psi (Substructure)
 $f_y = 60,000$ psi (Reinforcement)

DESIGN SPECIFICATIONS

2002 AASHTO Standard Specifications for Highway Bridges

LOADING HS20-44

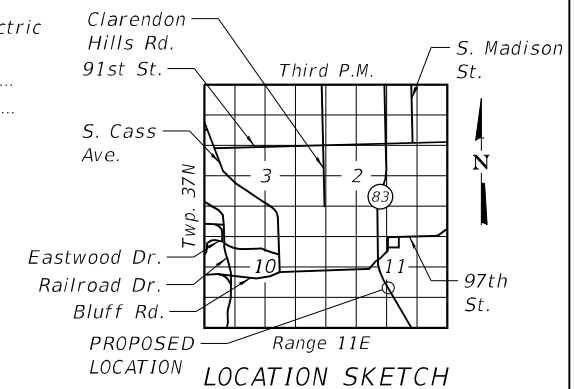
Existing and Proposed

INDEX OF SHEETS

1. General Plan & Elevation
2. General Notes and Bill of Material
3. Maintenance of Traffic Details
4. Temporary Concrete Barrier for Stage Construction
5. Deck & Approach Slabs Repairs (North)
6. Deck & Approach Slabs Repairs (South)
7. Adjusting Bridge Scupper Details
8. East Parapet Repairs
9. West Sidewalk & Parapet Repairs
10. Joint Removal Limits
11. Joint Repair Limits
12. Expansion Joint Details I
13. Expansion Joint Details II
14. Preformed Joint Strip Seal
15. Preformed Joint Strip Seal - Sidewalk
16. North & South Abutment Repairs
17. Piers #2 & #3 Repairs
18. Bar Splicer Assembly Details
- 19 - 31. Applicable As-Built Plans

SCOPE OF WORK

1. Scarify Bridge Deck, 3/4" and install Latex Concrete Overlay, 2 3/4" deck.
2. Provide Temporary Protective Shielding at RR Span and at Jeans Rd.
3. Repair deck and approach slabs with Partial and Full Depth patching.
4. Diamond Grind and Longitudinally Groove deck.
5. Replace Neoprene Expansion Joints at Abutments with Full Depth Strip Seals.
6. Adjust and clean bridge scuppers. Clean abutment seats and backwalls.
7. Apply Concrete Sealer to sidewalk and parapets.
8. Apply Protective Coat to bridge deck overlay and joint headings.
9. Clean and Paint steel portions of bearing and retaining angles at abutments.
10. Apply HMA Overlay for Bridge Approaches to account for profile change.
11. Clean and reseal Pavement Relief Joints at the end of approach slabs.
12. Perform Structural Repair of Concrete Less than 5" at parapets, abutments, and piers.



LOCATION SKETCH

GENERAL PLAN & ELEVATION
IL-83 (KINGERY HWY) OVER BNSF RAILROAD
F.A.P. RTE. 344/SECTION 22 BJ
DUPAGE COUNTY
STATION 765+96.81
STRUCTURE NO. 022-1069

MODEL: Default
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	USER NAME = pskolba	DESIGNED - AT	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SHEET 1 OF 31 SHEETS	F.A.P. RTE. 0344	SECTION FAP 0344 22 BJ	COUNTY DUPAGE	TOTAL SHEETS 60	SHEET NO. 22
	PLOT SCALE =	DRAWN - AT/PS	REVISED -			CONTRACT NO. 62T12			ILLINOIS FED. AID PROJECT	


GENERAL NOTES

1. Reinforcement bars designated (E) shall be epoxy coated.
2. Concrete Sealer shall be applied to front and top face of bridge parapets, sidewalk, abutment seats, and backwalls.
3. Protective Coat shall be applied to the new latex concrete overlay.
4. Joint Openings shall be adjusted according to Article 520.04 of the Standard Specifications when the deck is poured at an ambient temperature other than 50°F.
5. Any adjustment done to the Protective Shield System must not change the load carrying capacity (or containment specifications) as indicated in the STD specs. Cost of adjusting shielding is included in the cost of Protective Shield.
6. The contractor shall not scale dimensions from the contract plans for construction purposes. Scales shown are for information only.
7. Plan dimensions and details relative to the existing structure have been taken from existing plans and are subject to nominal construction variations. It shall be the Contractor's responsibility to verify such dimensions and details in the field and make necessary approved adjustment prior to construction of or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work. However, the Contractor will be paid for the quantity actually furnished at the unit price for the work.
8. No concrete cutting shall be permitted until the cutting limits have been outlined by the contractor and approved by the engineer.
9. Whenever any material is deposited into a bridge drainage system or drainage structures, the deposited material shall be removed at the close of each working day. At the conclusion of construction operations, all drainage systems and structures shall be free from dirt and debris deposited during the various construction operations. The work specified above will not be paid for separately, but shall be considered included in the cost of "Cleaning Bridge Scuppers and Downspouts."
10. It shall be the contractor's responsibility to verify the location of all utilities prior to starting construction. Contact J.U.L.I.E., 800-892-0123.
11. During construction, OSHA requires that a minimum of thirteen (13) feet working clearance must be maintained between the booms, arms or other parts that can be raised on the equipment by the contractor and Comed's existing electric transmission lines.

TOTAL BILL OF MATERIAL

ITEM NO.	DESCRIPTION	UNIT	SUPER	SUB	TOTAL
50102400	CONCRETE REMOVAL	CU YD	18.1	-	18.1
50157300	PROTECTIVE SHIELD	SQ YD	611.7	-	611.7
50300255	CONCRETE SUPERSTRUCTURE	CU YD	20.1	-	20.1
50300300	PROTECTIVE COAT	SQ YD	3,948.6	-	3,948.6
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	2,970	-	2,970
50800515	BAR SPLICERS	EACH	28	-	28
52000110	PREFORMED JOINT STRIP SEAL	FOOT	136.5	-	136.5
58700300	CONCRETE SEALER	SQ FT	7,750	806	8,556
59000200	EPOXY CRACK INJECTION	FOOT	-	8	8
X0322215	CLEANING BRIDGE SCUPPERS AND DOWNSPOUTS	EACH	12	-	12
X0326331	CLEANING AND PAINTING BEARINGS	EACH	-	20	20
X0326766	CLEAN & RESEAL RELIEF JOINT	FOOT	120.5	-	120.5
X5030250	BRIDGE DECK GROOVING (LONGITUDINAL)	SQ YD	3657.7	-	3,657.7
Z0001700	APPROACH SLAB REPAIR (FULL DEPTH)	SQ YD	8.9	-	8.9
Z0001800	APPROACH SLAB REPAIR (PARTIAL DEPTH)	SQ YD	11.8	-	11.8
Z0006016	BRIDGE DECK LATEX CONCRETE OVERLAY, 2 3/4 INCHES	SQ YD	3,948.6	-	3,948.6
Z0012130	BRIDGE DECK SCARIFICATION 3/4"	SQ YD	3,948.6	-	3,948.6
Z0012754	STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5 INCHES)	SQ FT	380	43	423
Z0016001	DECK SLAB REPAIR (FULL DEPTH, TYPE I)	SQ YD	0.5	-	0.5
Z0016002	DECK SLAB REPAIR (FULL DEPTH, TYPE II)	SQ YD	11.4	-	11.4
Z0018051	DRAINAGE SCUPPERS TO BE ADJUSTED	EACH	12	-	12
Z0029090	DIAMOND GRINDING (BRIDGE SECTION)	SQ YD	3657.7	-	3,657.7

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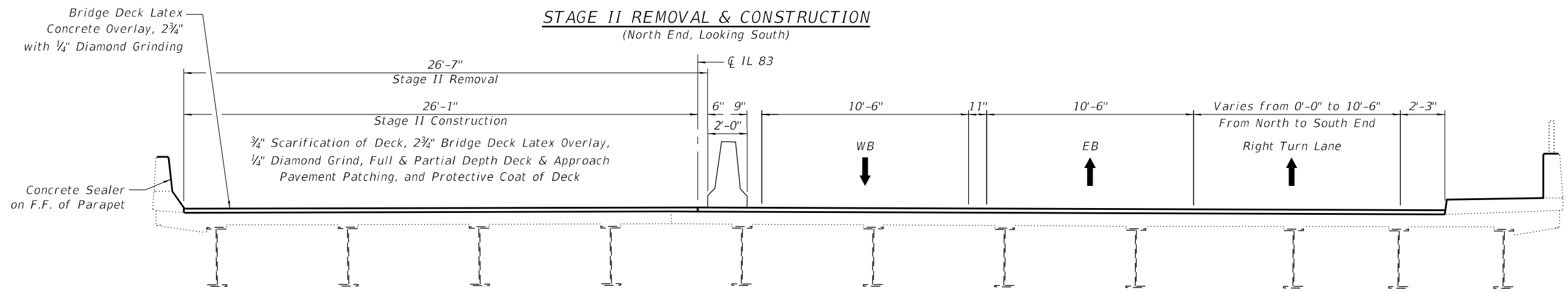
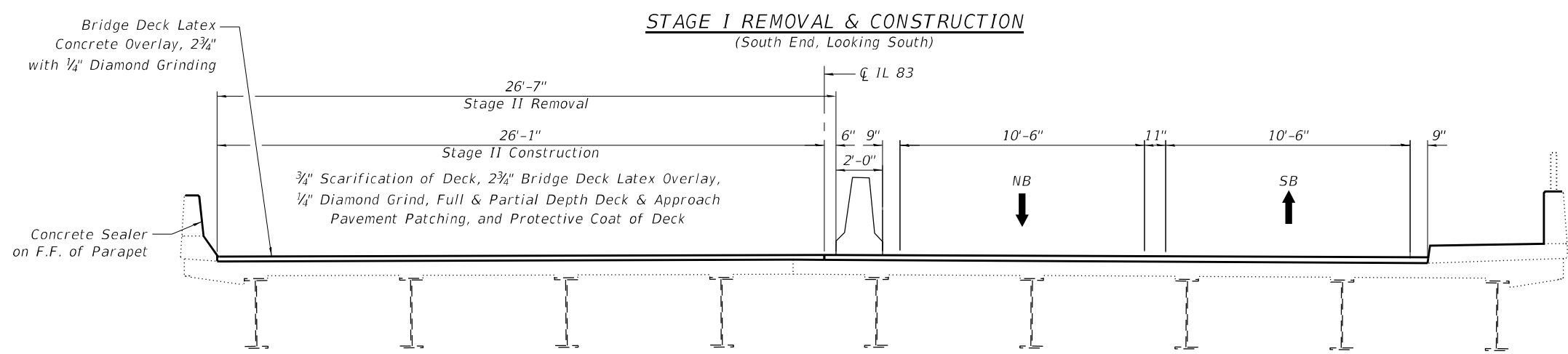
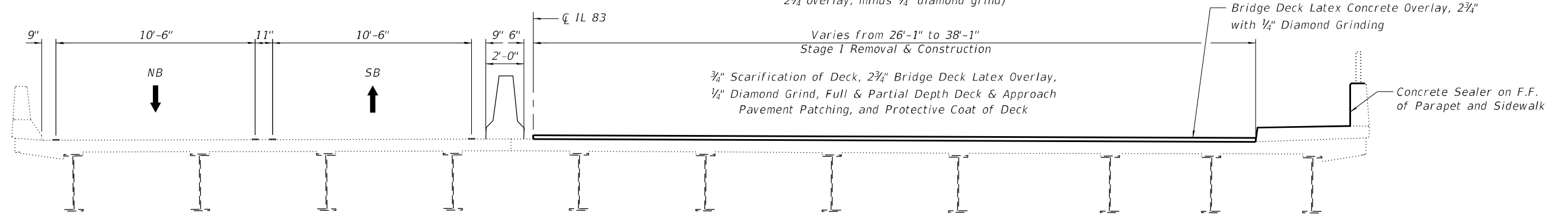
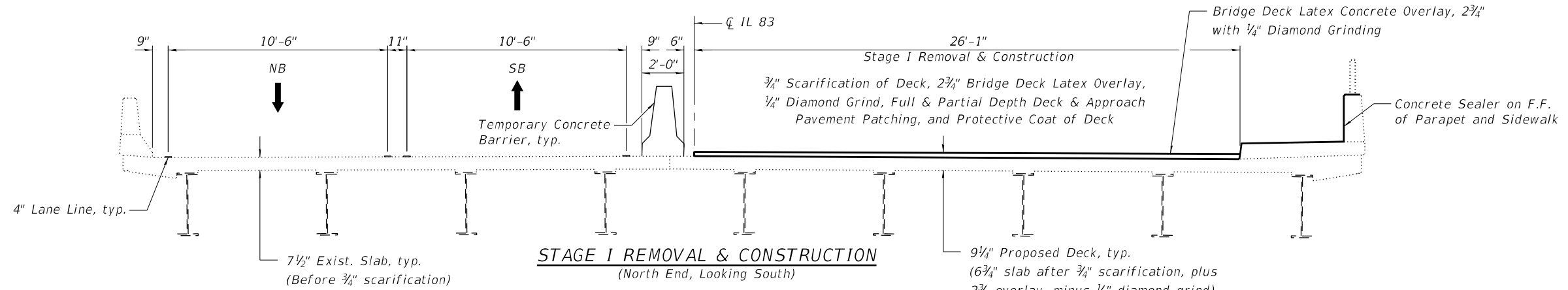
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	PLOT DATE = 7/18/2023	CHECKED - AJN	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES AND BILL OF MATERIAL
STRUCTURE NO. 022-1069
 SHEET 2 OF 31 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO.			62T12	
ILLINOIS		FED. AID PROJECT		

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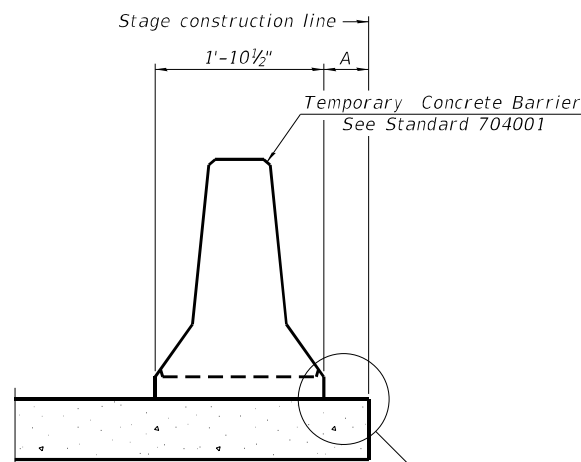
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC DETAILS
STRUCTURE NO. 022-1069

SHEET 3 OF 31 SHEETS

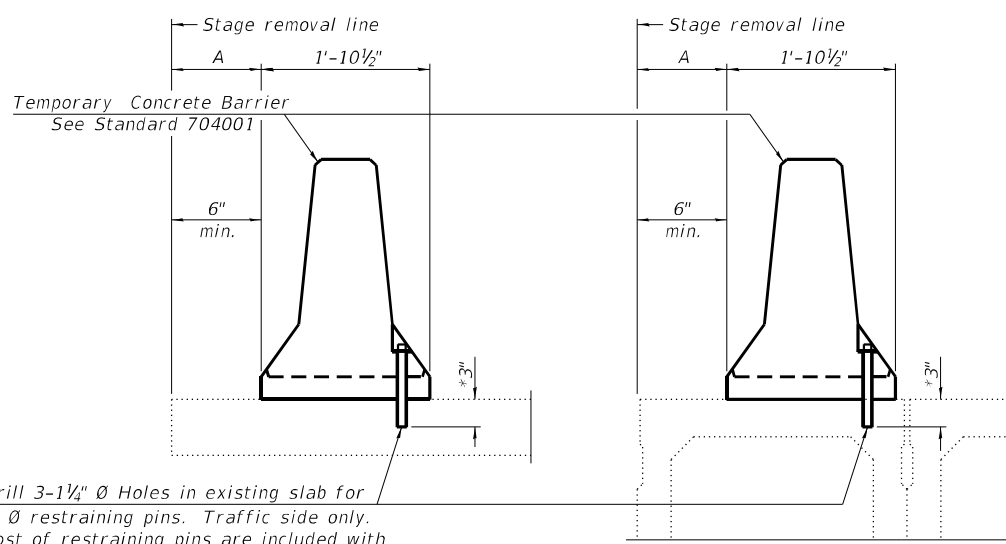
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CONTRACT NO. 62T12				
ILLINOIS FED. AID PROJECT				

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

NEW SLAB OR NEW DECK BEAM

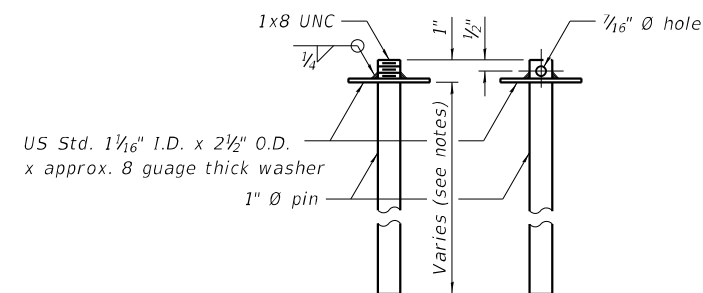


Drill 3-1/4" Ø Holes in existing slab for 1" Ø restraining pins. Traffic side only. Cost of restraining pins are included with Temporary Concrete Barrier. No restraint is required when "A" is greater than 3'-1".

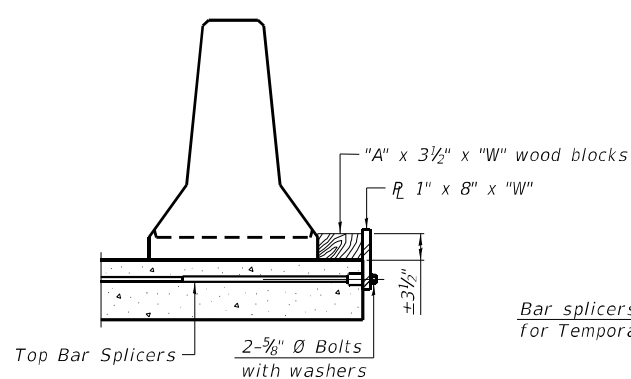
EXISTING SLAB

EXISTING DECK BEAM

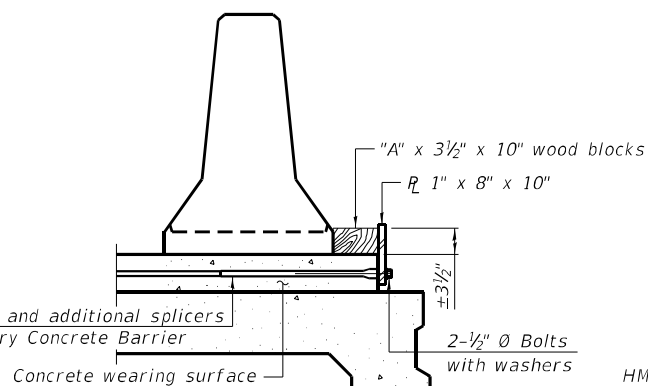
SECTIONS THRU SLAB OR DECK BEAM



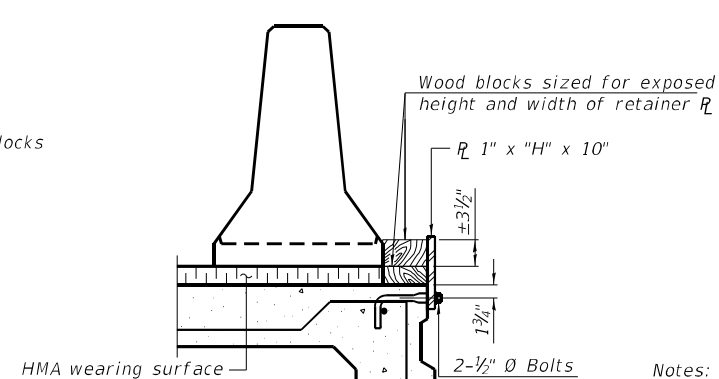
RESTRAINING PIN



DETAIL I

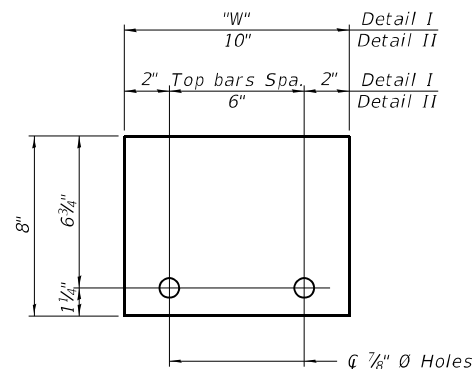


DETAIL II

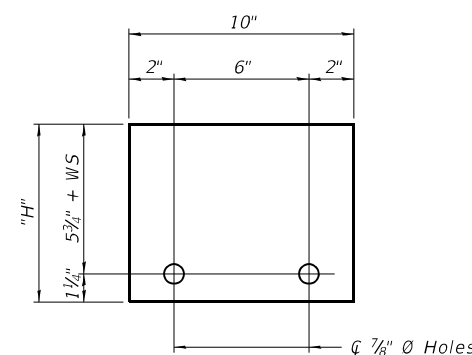


DETAIL III

BAR SPLICER FOR #4 BAR - DETAIL III



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



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

Notes:
 Cost of retainer assembly is included with Temporary Concrete Barrier.
 A retainer assembly shall be located at the approximate \bar{C} of each temporary concrete barrier.
 The retainer plate shall not be removed until the concrete on the adjacent stage is ready to be poured. For Detail III applications the retainer plate shall not be removed until just prior to placing the adjacent beam.
 When the 'A' dimension is less than 1 1/2", the wood block shall be omitted and the barrier shall be placed in direct contact with the steel retainer plate. For deck beam applications the minimum required 'A' distance is 6" to accommodate the shear key clamping device.
Detail I - Installation for a new bridge deck or bridge slab.
Detail II - Installation for a new deck beam with an initial concrete wearing surface. Additional bar splicers shall be provided at 6'-0" centers with the bar splicers of the concrete wearing surface reinforcement to accommodate the installation of the retainer assemblies. The cost of the additional bar splicers is included with the concrete wearing surface.
Detail III - Installation for a new deck beam with no initial wearing surface or with an initial hot-mix asphalt (HMA) wearing surface present. The deck beam directly beneath the temporary concrete barrier shall be fabricated with bar splicer inserts in the side of the beam, as detailed, to accommodate the installation of the retainer assemblies. A pair of bar splicers, 6" apart, shall be placed at 6'-0" centers along the length of the beam. The cost of the bar splicers is included with the deck beam.

R-27

8-11-2017

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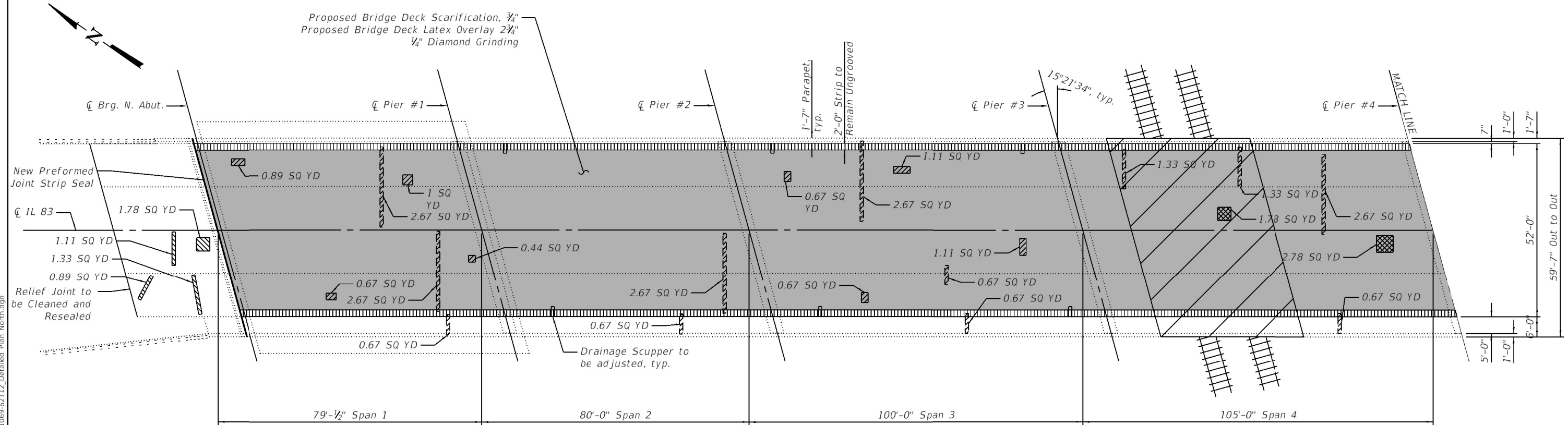
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**TEMPORARY CONCRETE BARRIER FOR STAGE CONSTRUCTION
 STRUCTURE NO. 022-1069**

SHEET 4 OF 31 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO.			62T12	
ILLINOIS		FED. AID PROJECT		

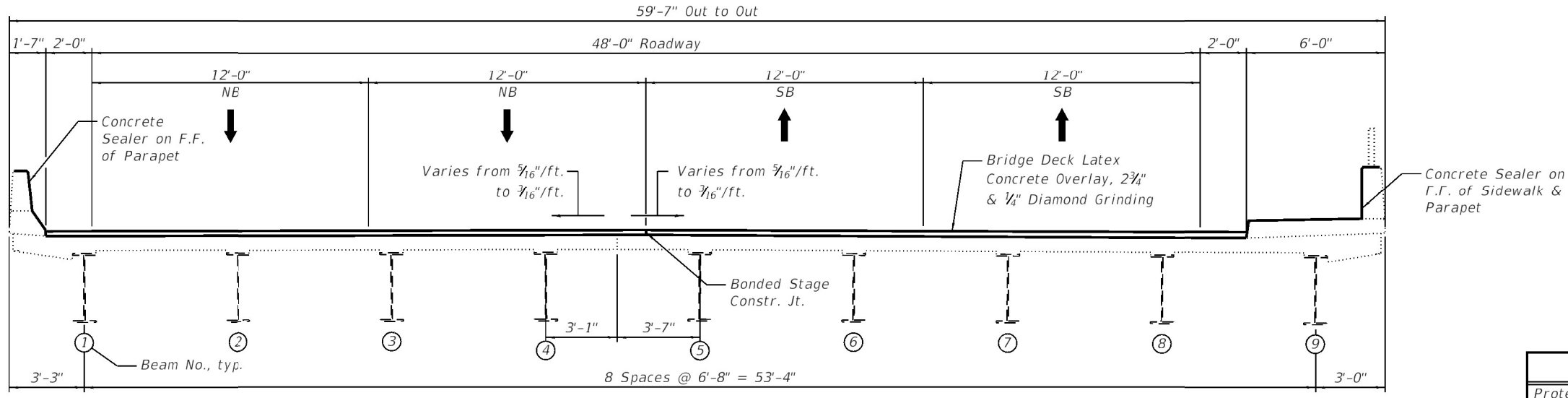
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PLAN - NORTH

LEGEND

- Deck Slab Repair, Partial Depth
- Deck Slab Repair, Full Depth
- Deck Area to Remain Ungrooved & Not Diamond Grinded
- 3/4" Bridge Scarification & 2 3/4" Bridge Deck Latex Overlay, 1/4" Diamond Grinding
- Approach Slab Repair, Partial Depth



CROSS SECTION NEAR CENTER OF STRUCTURE
(Looking South)

- Notes:
- The drainage scuppers must be protected during concrete scarification and overlay placement operations.
 - Use of hand tools is required while working around the scuppers.
 - Hand finish of overlay material is required around the scuppers. The cost is included in Bridge Deck Latex Overlay, 2 3/4".
 - Quantities and limits of repairs shown are estimated for bidding purposes only. The actual areas to be repaired, and the type(s) of repairs to be used, will be determined by the Engineer in the field at the time of construction.

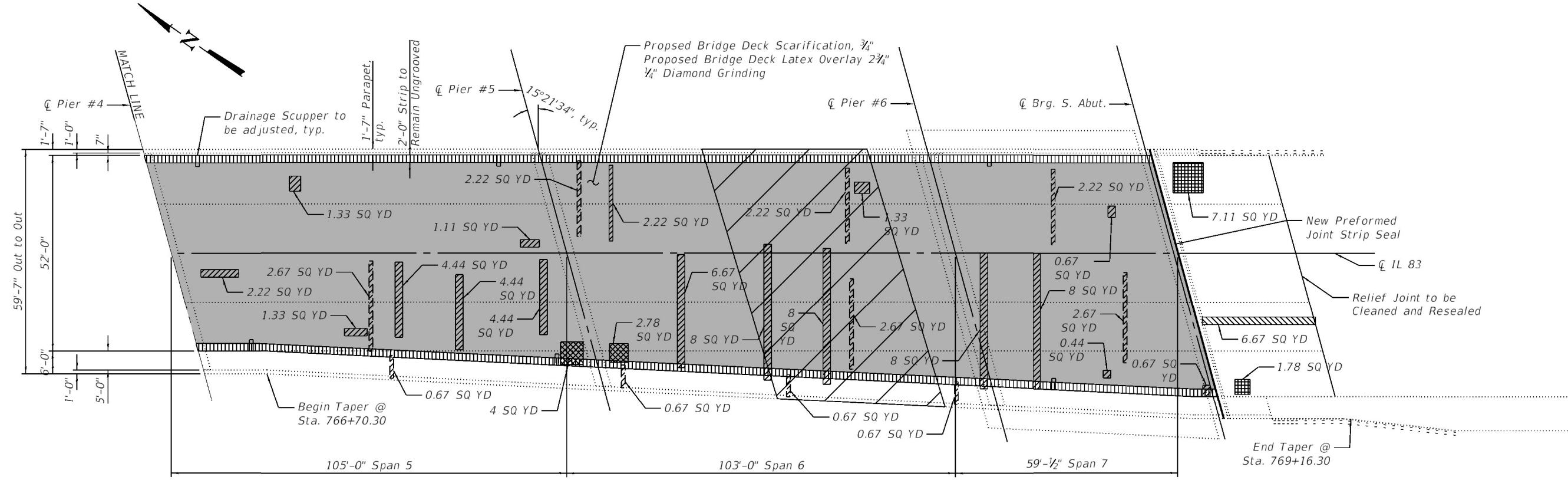
BILL OF MATERIAL

ITEM	UNIT	TOTAL
Protective Shield	Sq. Yd.	284.7
Protective Coat	Sq. Yd.	2103.5
Concrete Sealer	Sq. Ft.	4595
Cleaning Bridge Scuppers and Downspouts	Each	6
Clean & Reseal Relief Joint	Foot	54.0
Bridge Deck Grooving (Longitudinal)	Sq. Yd.	1941.7
Approach Slab Repair (Partial Depth)	Sq. Yd.	5.1
Bridge Deck Latex Concrete Overlay, 2 3/4"	Sq. Yd.	2103.5
Bridge Deck Scarification, 3/4"	Sq. Yd.	2103.5
Deck Slab Repair (Full Depth, Type I)	Sq. Yd.	0.2
Deck Slab Repair (Full Depth, Type II)	Sq. Yd.	4.6
Drainage Scuppers to be Adjusted	Each	6
Diamond Grinding (Bridge Section)	Sq. Yd.	1941.7

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	PLOT DATE = 7/18/2023	CHECKED - AJN	REVISED -			SHEET 5 OF 31 SHEETS					
	ILLINOIS FED. AID PROJECT										

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PLAN - SOUTH

LEGEND

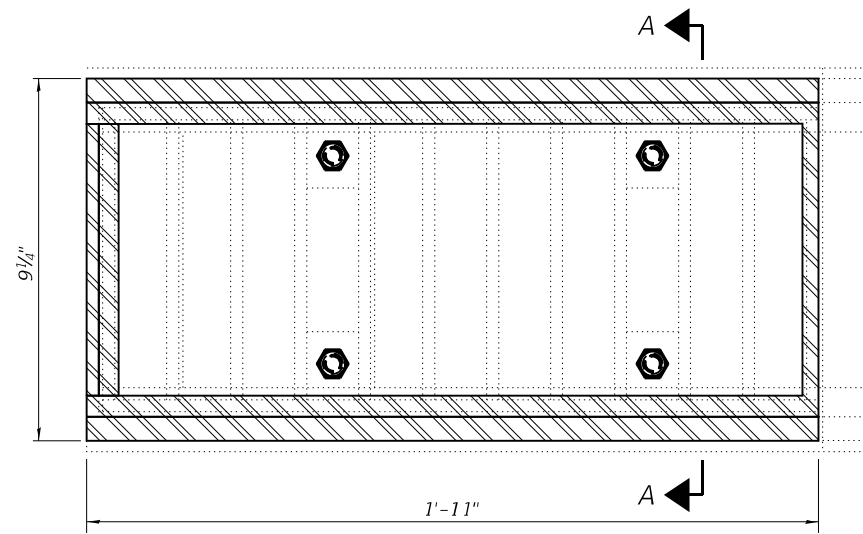
- Deck Slab Repair, Partial Depth
- Deck Slab Repair, Full Depth
- Deck Area to Remain Ungrooved & Not Diamond Grinded
- 3/4" Bridge Scarification & 2 3/4" Bridge Deck Latex Overlay, 1/4" Diamond Grinding
- Approach Slab Repair, Partial Depth
- Approach Slab Repair, Full Depth

- Notes:
- The drainage scuppers must be protected during concrete scarification and overlay placement operations.
 - Use of hand tools is required while working around the scuppers.
 - Hand finish of overlay material is required around the scuppers. The cost is included in Bridge Deck Latex Overlay, 2 3/4".
 - Quantities and limits of repairs shown are estimated for bidding purposes only. The actual areas to be repaired, and the type(s) of repairs to be used, will be determined by the Engineer in the field at the time of construction.

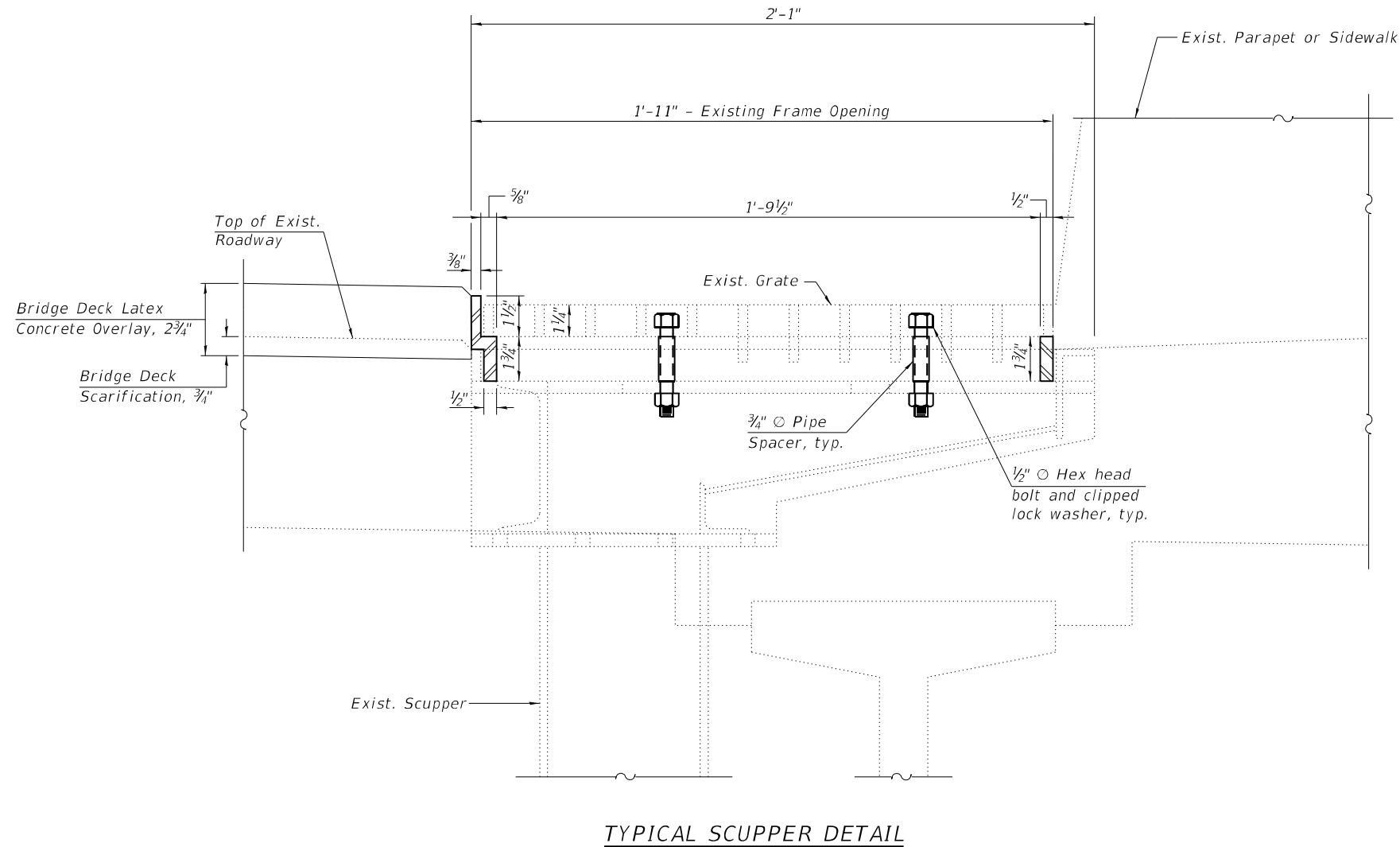
BILL OF MATERIAL

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Protective Shield	Sq. Yd.	327.0
Protective Coat	Sq. Yd.	1845.1
Concrete Sealer	Sq. Ft.	3155
Cleaning Bridge Scuppers and Downspouts	Each	6
Clean & Reseal Relief Joint	Foot	66.5
Bridge Deck Grooving (Longitudinal)	Sq. Yd.	1716.0
Approach Slab Repair (Full Depth)	Sq. Yd.	8.9
Approach Slab Repair (Partial Depth)	Sq. Yd.	6.7
Bridge Deck Latex Concrete Overlay, 2 3/4"	Sq. Yd.	1845.1
Bridge Deck Scarification, 3/4"	Sq. Yd.	1845.1
Deck Slab Repair (Full Depth, Type I)	Sq. Yd.	0.3
Deck Slab Repair (Full Depth, Type II)	Sq. Yd.	6.8
Drainage Scuppers to be Adjusted	Each	6
Diamond Grinding (Bridge Section)	Sq. Yd.	1716.0

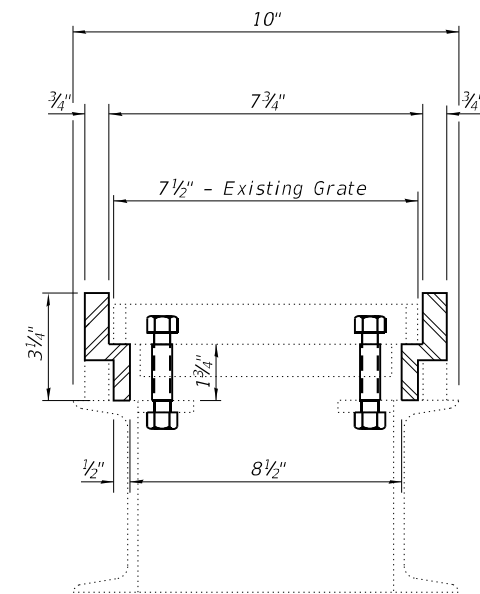
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	PLOT SCALE =	DRAWN - AT/PS	REVISED -			CONTRACT NO. 62T12			SHEET 6 OF 31 SHEETS	ILLINOIS FED. AID PROJECT



TYPICAL PLAN



TYPICAL SCUPPER DETAIL



SECTION A-A

NOTES

1. The Contractor shall field verify Existing Dimensions and Details of the Existing Scuppers and make necessary adjustments prior to construction of New Adjusting Ring or ordering of material for Adjusting Drainage Scuppers.
2. All Cast Iron Parts shall be Grey Iron conforming to the requirements of AASHTO M 105, Class 35B.
3. Bolts, Anchor Studs, Washers, and Nuts shall conform to the requirements of AASHTO M 232.
4. Cast Iron Parts shall be unfinished.
5. Adjusting Ring shall be from Neenah and approved equal. Structural Steel weldments or equal sections and of the same configuration may be submitted for Cast Iron. Fillet or full Penetration Welds may be used for weldments. Details shall be submitted to the Engineer for approval.
6. Provide a 1/8" Fillet Weld around perimeter of new Adjusting Ring to secure to existing Scupper. Electrode shall be compatible with Cast Iron.
7. Cost of all labor and materials necessary to install adjusting scupper rings, remove and re-install grates is included in the cost for Drainage Scuppers to be Adjusted.

BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Drainage Scuppers to be Adjusted	Each	12

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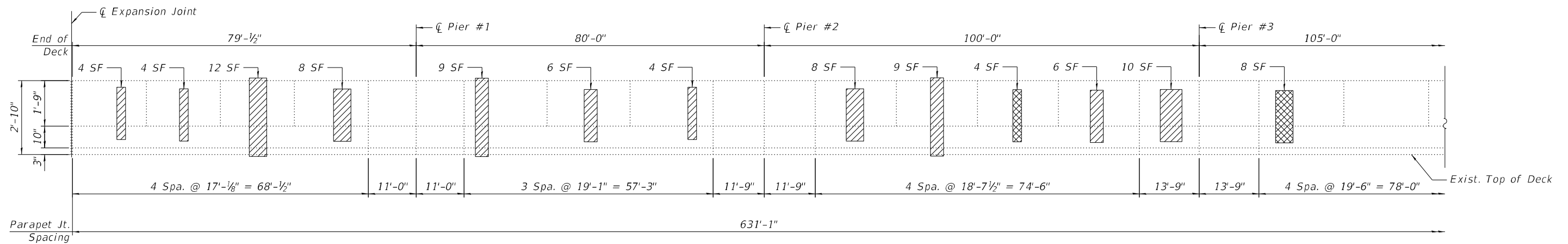
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADJUSTING BRIDGE SCUPPER DETAILS
STRUCTURE NO. 022-1069

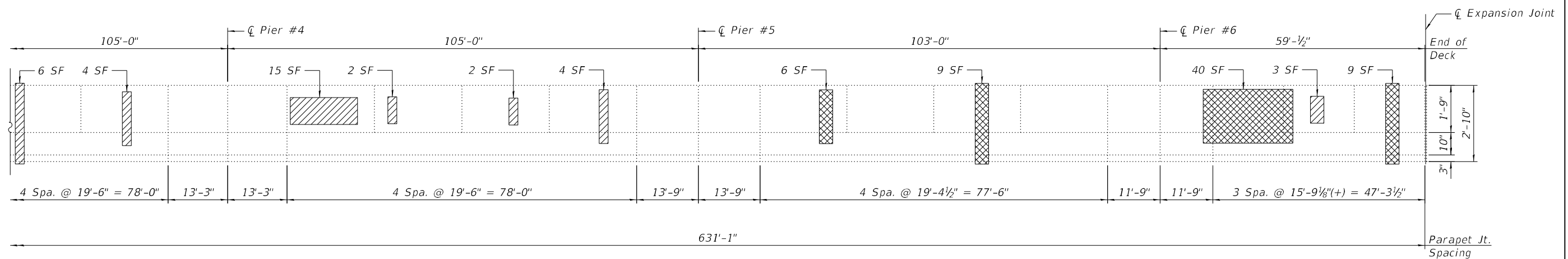
SHEET 7 OF 31 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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ILLINOIS FED. AID PROJECT			CONTRACT NO. 62T12	

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EAST PARAPET NORTH END
(Looking East)



EAST PARAPET SOUTH END
(Looking East)

LEGEND

- Structural Repair of Concrete (Depth Equal to or Less Than 5 Inches) for Inside Face
- Structural Repair of Concrete (Depth Equal to or Less Than 5 Inches) for Inside & Outside Face

BILL OF MATERIAL

ITEM	UNIT	TOTAL
Structural Repair of Concrete (Depth Equal to or Less Than 5 Inches)	Sq. Ft.	268

Bowman <small>10 S. LaSalle Street, Suite 2100 Chicago, Illinois 60606 312-464-0580 www.bowman.com</small>	USER NAME = pskolba	DESIGNED - AT	REVISED -
	PLOT SCALE =	CHECKED - AJN	REVISED -
	PLOT DATE = 7/18/2023	DRAWN - AT/PS	REVISED -
		CHECKED - AJN	REVISED -

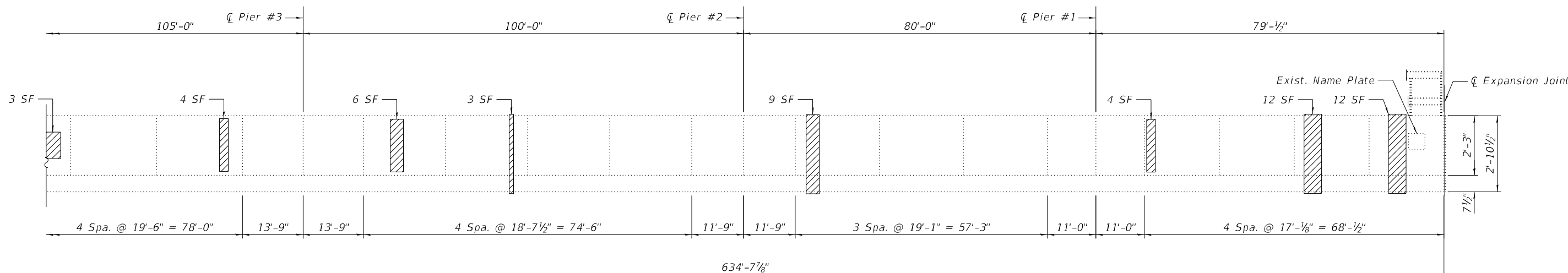
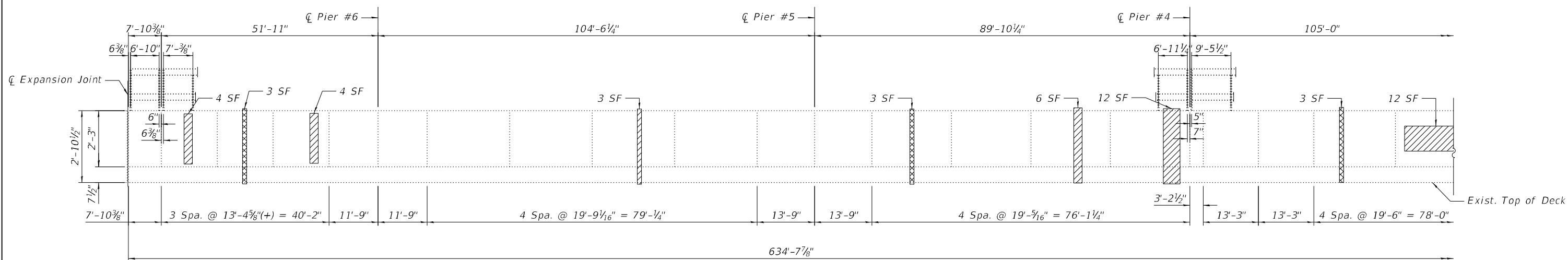
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**EAST PARAPET REPAIRS
STRUCTURE NO. 022-1069**

SHEET 8 OF 31 SHEETS

F.A.P. RTE. 0344	SECTION FAP 0344 22 BJ	COUNTY DUPAGE	TOTAL SHEETS 60	SHEET NO. 29
CONTRACT NO. 62T12				
ILLINOIS		FED. AID PROJECT		

MODEL: Default
 FILE NAME: P:\040058 - IDOT\040058-01-002 (ENG) - PTB_195-016 Phase II Var VanEngineering\WO 26 - 62T12 IL-83 BMSF\500 Drawings\502 CADD Sheets\0221069-62T12_Parapet West.dgn
 7/18/2023 12:30:03 PM



LEGEND

- Structural Repair of Concrete (Depth Equal to or Less Than 5 Inches) for Inside Face
- Structural Repair of Concrete (Depth Equal to or Less Than 5 Inches) for Inside & Outside Face

BILL OF MATERIAL

ITEM	UNIT	TOTAL
Structural Repair of Concrete (Depth Equal to or Less Than 5 Inches)	Sq. Ft.	112



USER NAME =	pskolba	DESIGNED -	AT	REVISED -	
CHECKED -	AJN	REVISIONS -		REVISIONS -	
PLOT SCALE =		DRAWN -	AT/PS	REVISIONS -	
PLOT DATE =	7/18/2023	CHECKED -	AJN	REVISIONS -	

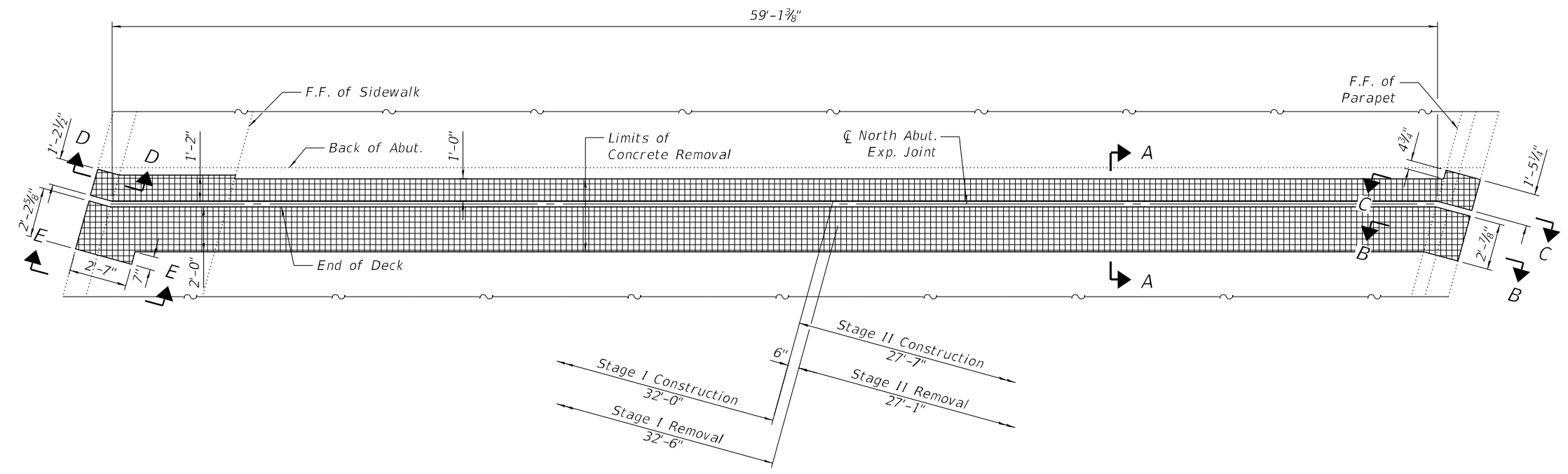
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WEST SIDEWALK & PARAPET REPAIRS
STRUCTURE NO. 022-1069

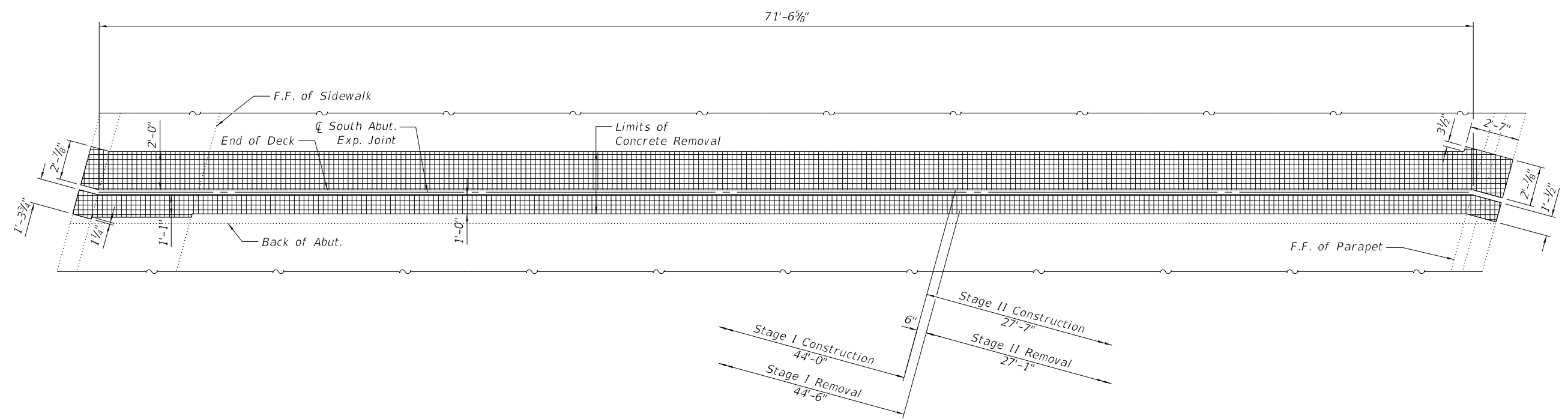
SHEET 9 OF 31 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0344	FAP 0344 22 BJ	DUPAGE	60	30
CONTRACT NO.			62T12	
ILLINOIS FED. AID PROJECT				

MODEL: Default
 FILE NAME: P:\040058 - IDOT\040058-01-002 (ENG) - PTB_195-016 Phase II Var.VanEngineering\WO 26 - 62T12 IL-83 BNSF.500 Drawings\502 CADD Sheets\0221069-62T12_Joint Removal Limits.dgn
 7/18/2023 12:30:03 PM

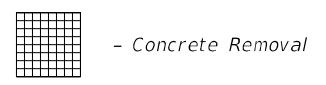


NORTH JOINT CONCRETE REMOVAL PLAN



SOUTH JOINT CONCRETE REMOVAL PLAN

LEGEND



USER NAME =	pskolba	DESIGNED -	AT	REVISED -	
PLOT SCALE =		CHECKED -	AJN	REVISED -	
PLOT DATE =	7/18/2023	DRAWN -	AT/PS	REVISED -	
		CHECKED -	AJN	REVISED -	

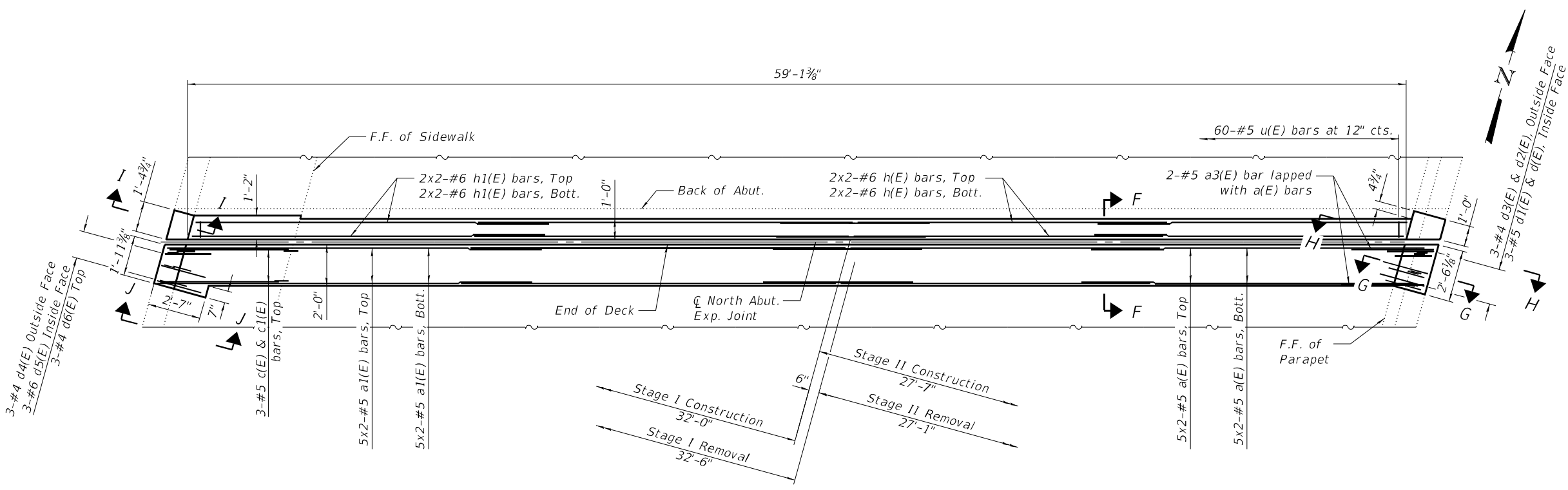
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**JOINT REMOVAL LIMITS
 STRUCTURE NO. 022-1069**

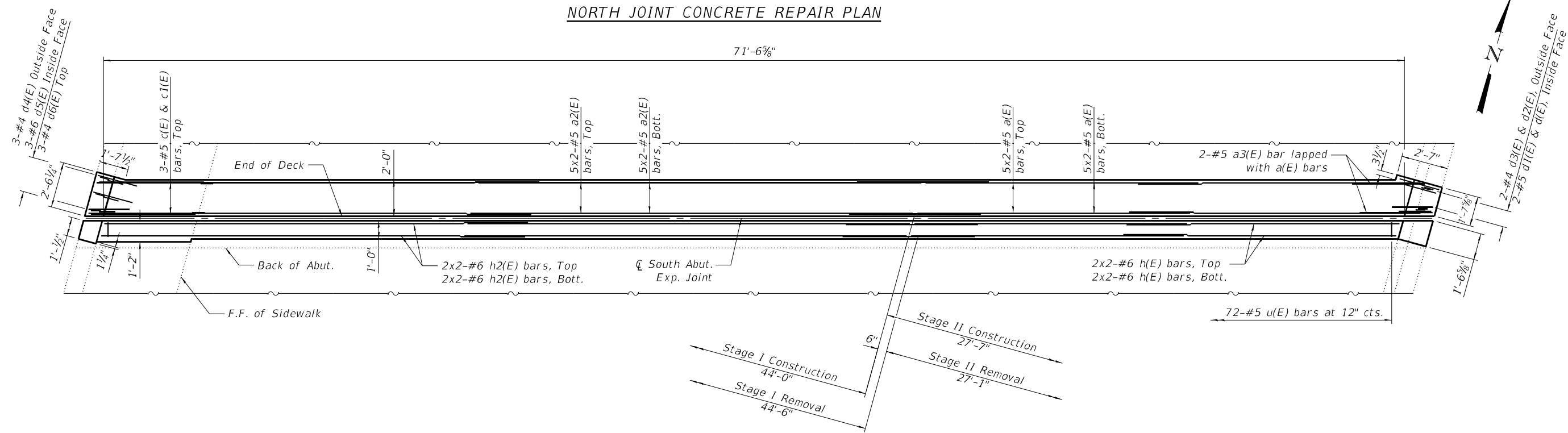
SHEET 10 OF 31 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0344	FAP 0344 22 BJ	DUPAGE	60	31
CONTRACT NO.			62T12	
ILLINOIS FED. AID PROJECT				

MODEL: Default
 FILE NAME: P:\040058 - IDOT\040058-01-002 (ENG) - PTB_195-016 Phase II Var. VanEngineering\WO 26 - 62T12 IL-83 BMSF500 Drawings\502 CADD Sheets\0221069-62T12_Joint_Repair_Limits.dgn
 7/18/2023 12:30:03 PM



NORTH JOINT CONCRETE REPAIR PLAN



SOUTH JOINT CONCRETE REPAIR PLAN

MIN. LAP LENGTH
 #5 bar - 3'-1"
 #6 bar - 4'-5"



USER NAME =	pskolba	DESIGNED -	AT	REVISED -	
PLOT SCALE =		CHECKED -	AJN	REVISED -	
PLOT DATE =	7/18/2023	DRAWN -	AT/PS	REVISED -	
		CHECKED -	AJN	REVISED -	

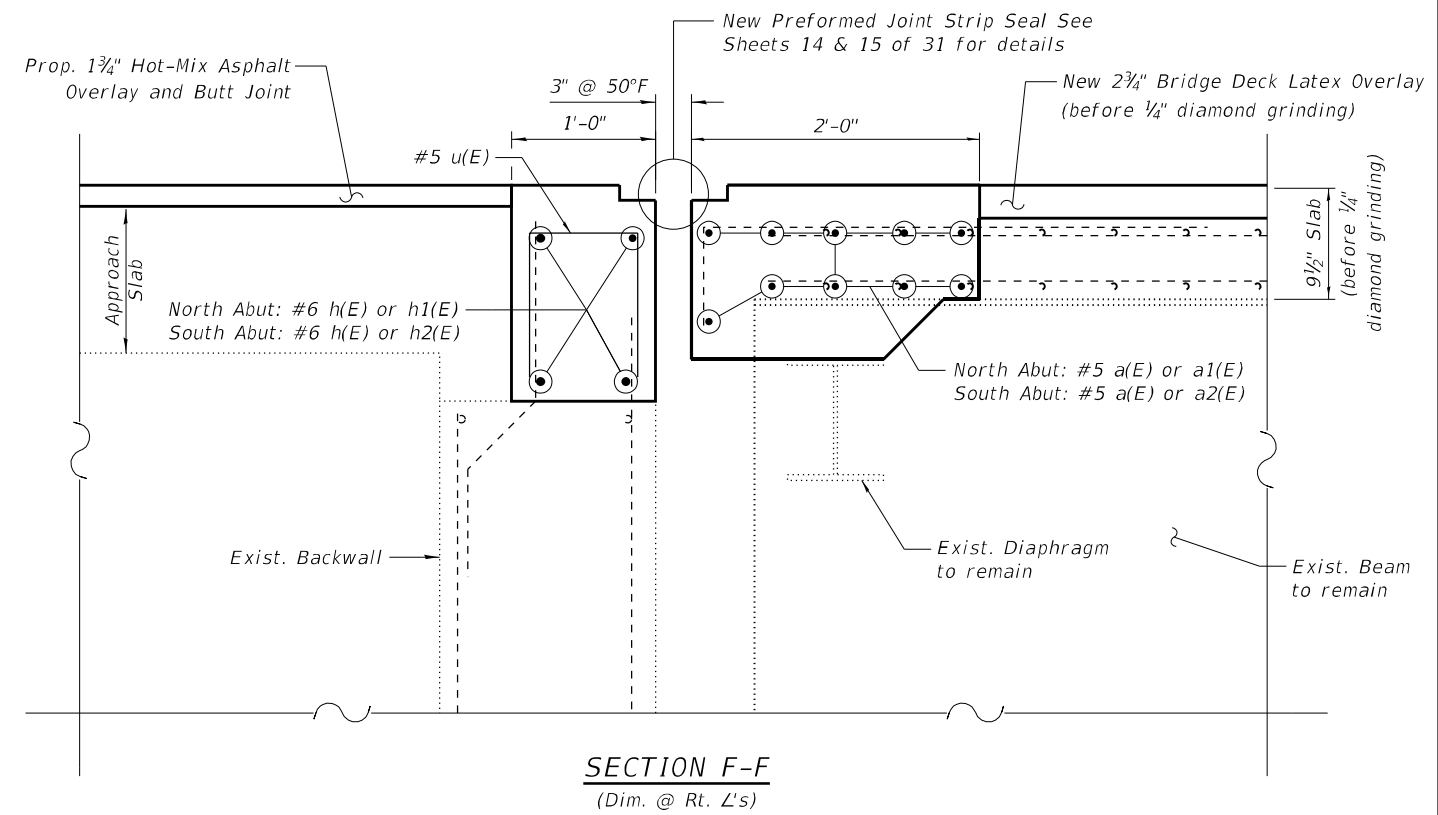
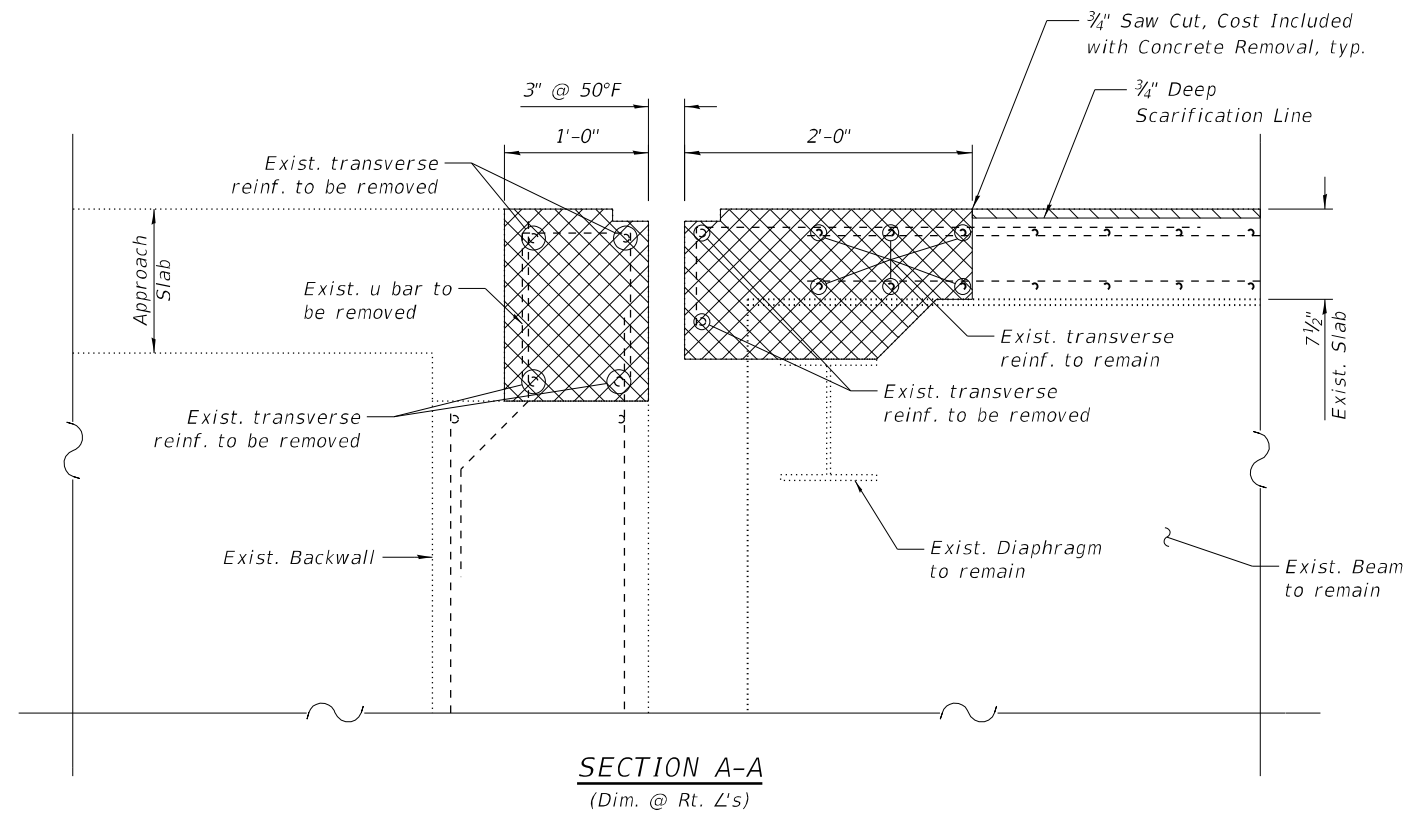
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**JOINT REPAIR LIMITS
 STRUCTURE NO. 022-1069**

SHEET 11 OF 31 SHEETS

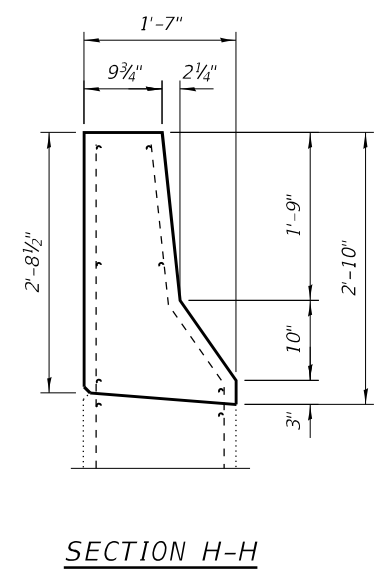
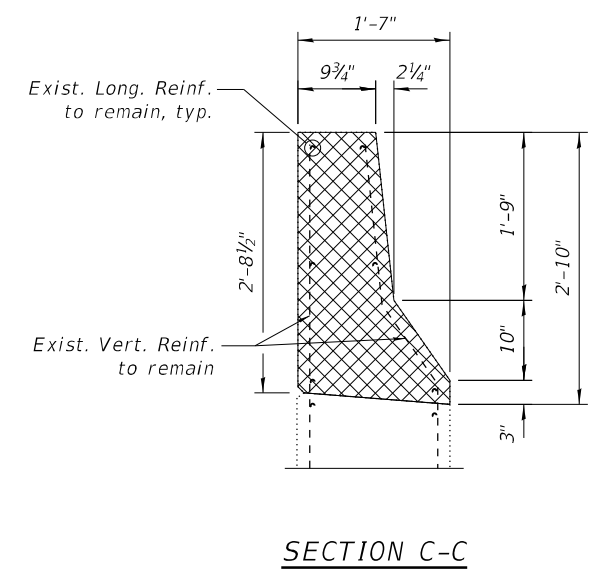
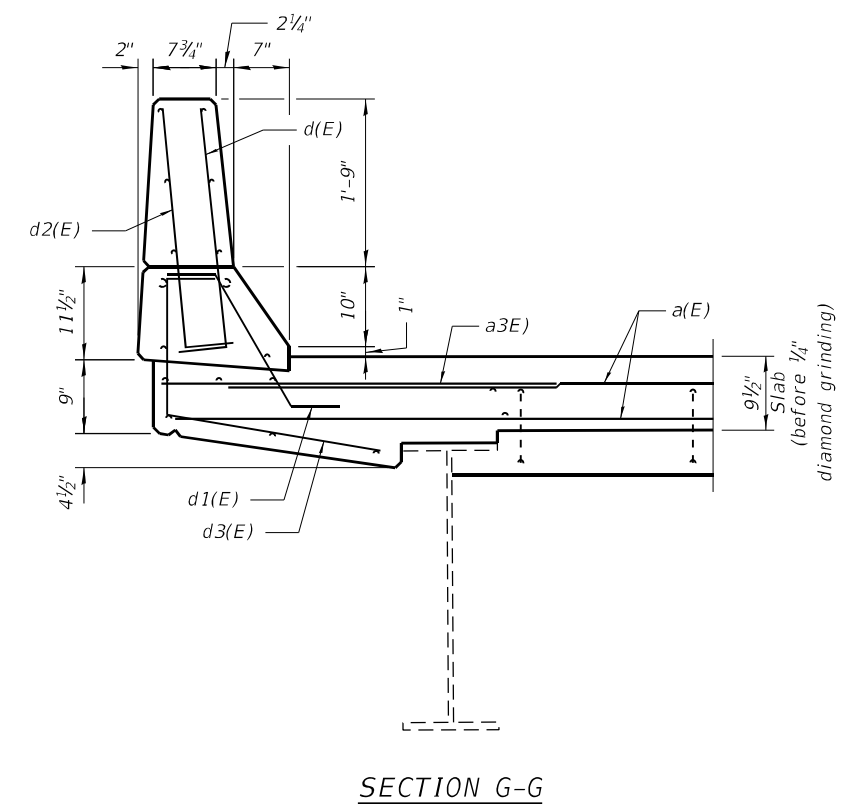
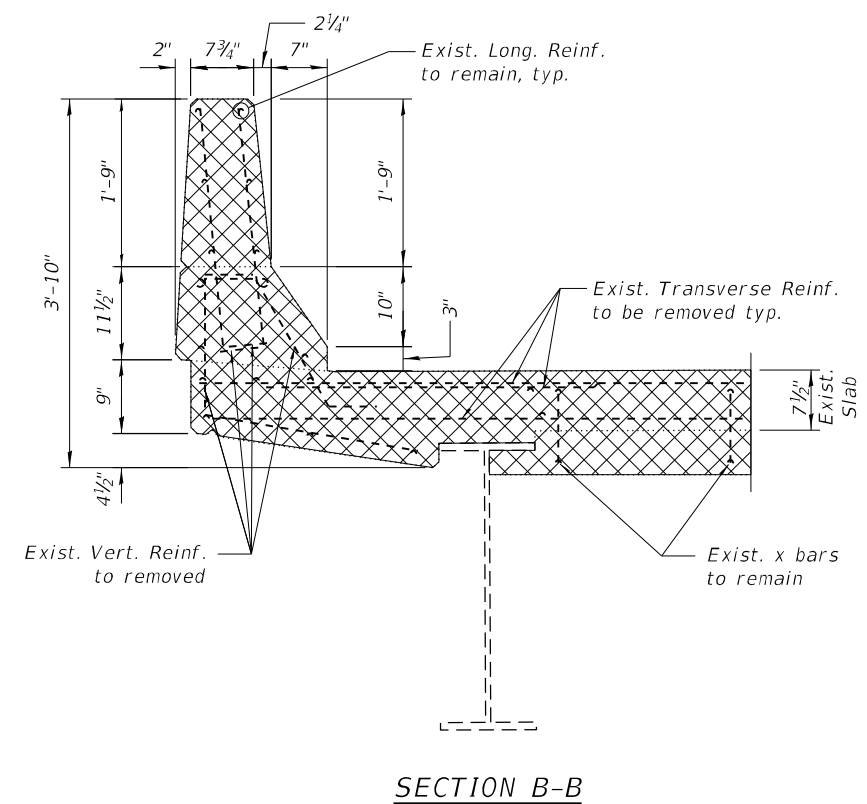
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0344	FAP 0344 22 BJ	DUPAGE	60	32
CONTRACT NO.			62T12	
ILLINOIS FED. AID PROJECT				

MODEL: Parapet + X-Sec
 FILE NAME: P:\040058 - IDOT\040058-01-002 (ENG) - PTB_195-016 Phase II Var.VanEngineering\WO 26 - 62T12 IL-83 BMSF500 Drawings\502 CADD Sheets\0221069-62T12_Joint_Details.dgn
 7/18/2023 12:30:04 PM



LEGEND

- Concrete Removal
- Scarification



USER NAME =	pskolba	DESIGNED -	AT	REVISED -	
CHECKED -	AJN	REVISIONS			
PLOT SCALE =		DRAWN -	AT/PS	REVISED -	
PLOT DATE =	7/18/2023	CHECKED -	AJN	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

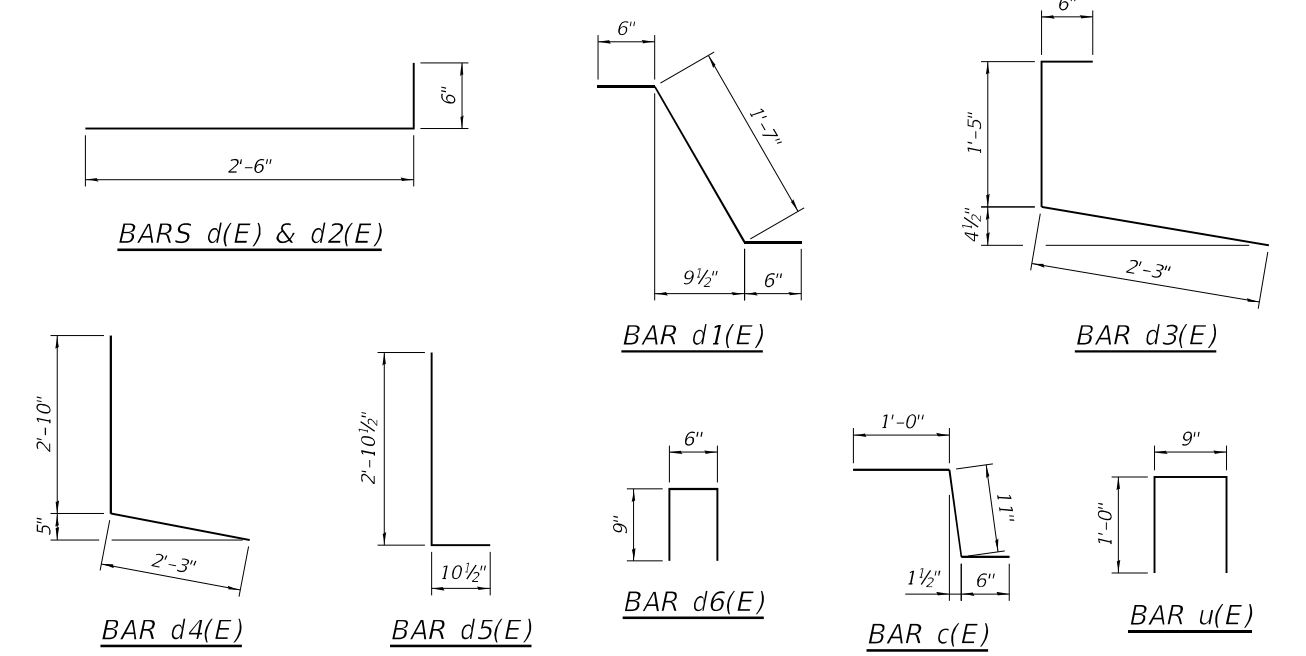
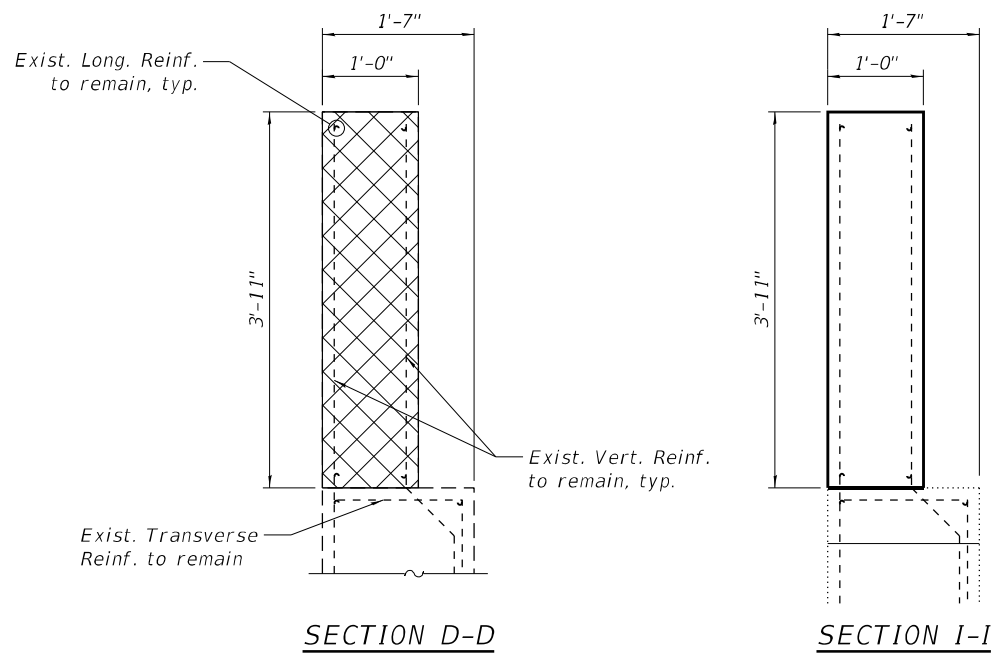
EXPANSION JOINT DETAILS I
STRUCTURE NO. 022-1069

SHEET 12 OF 31 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0344	FAP 0344 22 BJ	DUPAGE	60	33
CONTRACT NO.			62T12	

ILLINOIS FED. AID PROJECT

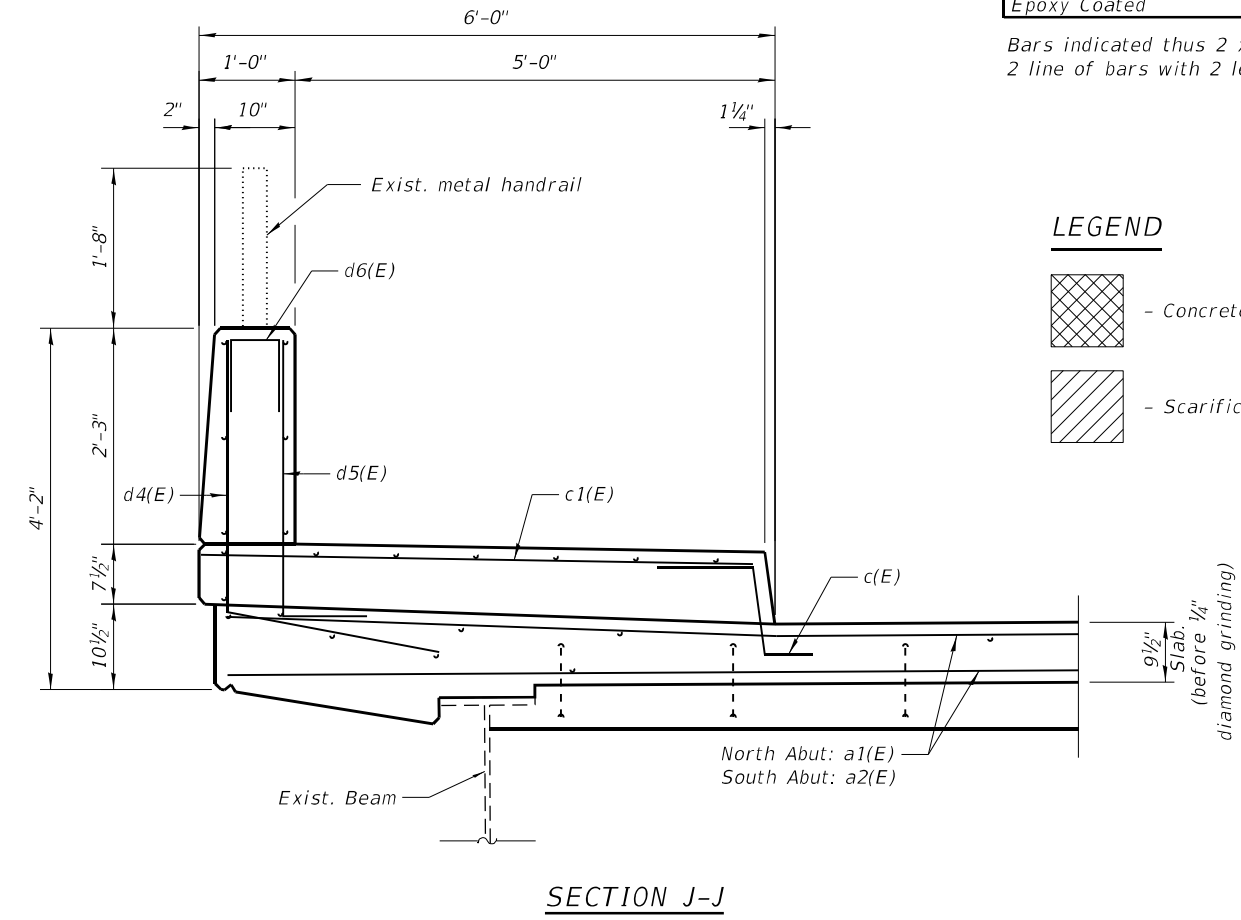
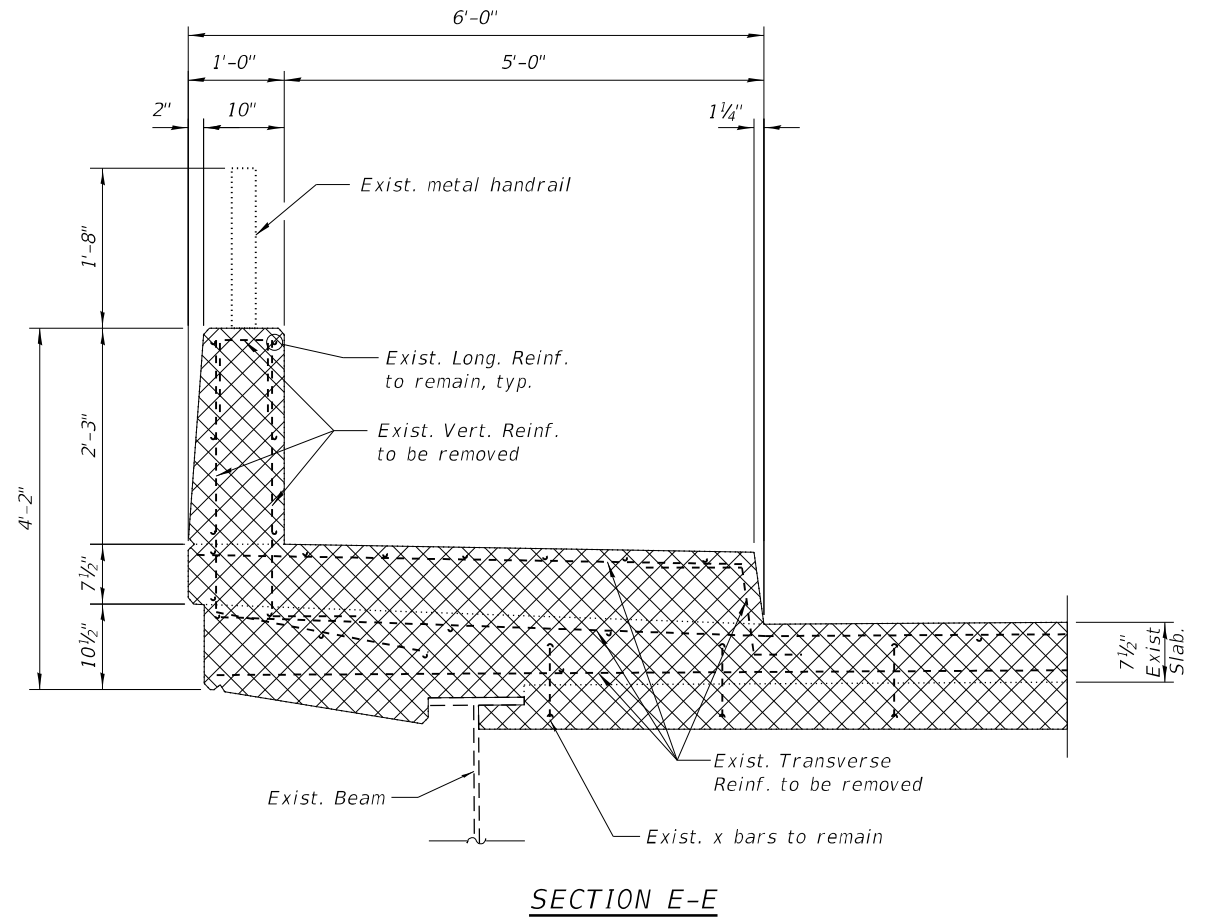
MODEL: Sidewalk + BOM
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BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a(E)	40	#5	15'-5"	▬
a1(E)	20	#5	17'-9"	▬
a2(E)	20	#5	24'-3"	▬
a3(E)	4	#5	4'-0"	▬
c(E)	6	#5	2'-5"	┘
c1(E)	6	#5	5'-9"	┘
d(E)	5	#5	3'-0"	┘
d1(E)	5	#5	2'-7"	┘
d2(E)	5	#4	3'-0"	┘
d3(E)	5	#4	4'-2"	┘
d4(E)	6	#6	5'-1"	┘
d5(E)	6	#4	3'-9"	┘
d6(E)	6	#4	2'-0"	┘
h(E)	16	#6	15'-7"	▬
h1(E)	8	#6	18'-2"	▬
h2(E)	8	#6	24'-5"	▬
u(E)	132	#5	2'-9"	▬
Concrete Removal			Cu. Yd.	18.1
Concrete Superstructure			Cu. Yd.	20.1
Bar Splicers			Each	28
Reinforcement Bars, Epoxy Coated			Pound	2970

Bars indicated thus 2 x 2-#5 etc. indicates 2 line of bars with 2 lengths per line.



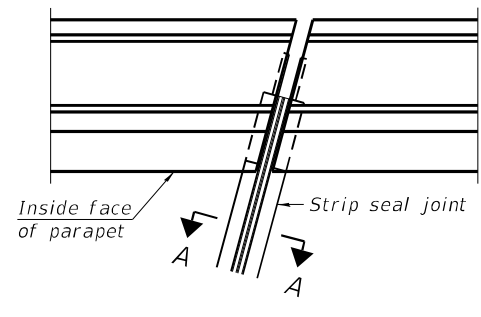
LEGEND

	- Concrete Removal
	- Scarification

Note:
 The existing metal handrail attached to the parapets must be detached and temporarily supported during expansion joint replacement at both ends of the bridge. After the completion of the joint installation at the parapets, the metal handrail must be reattached to the parapet wall. All activities related to the handling of the handrail during joint reconstruction will be paid for under the "Concrete Removal" pay item.

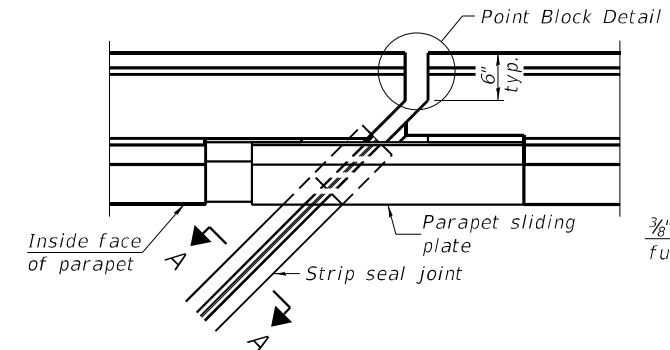
 10 S. LaSalle Street, Suite 210 Chicago, Illinois 60606 312-464-0800 www.bowman.com	USER NAME = pskolba DESIGNED - AT CHECKED - AJN DRAWN - AT/PS PLOT DATE = 7/18/2023	DESIGNED - AT CHECKED - AJN REVISIONS - REVISIONS - REVISIONS - REVISIONS -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXPANSION JOINT DETAILS II STRUCTURE NO. 022-1069	F.A.P. RTE. SECTION COUNTY TOTAL SHEETS SHEET NO. 0344 FAP 0344 22 BJ DUPAGE 60 34 CONTRACT NO. 62T12
	SHEET 13 OF 31 SHEETS			ILLINOIS FED. AID PROJECT	

MODEL: Default
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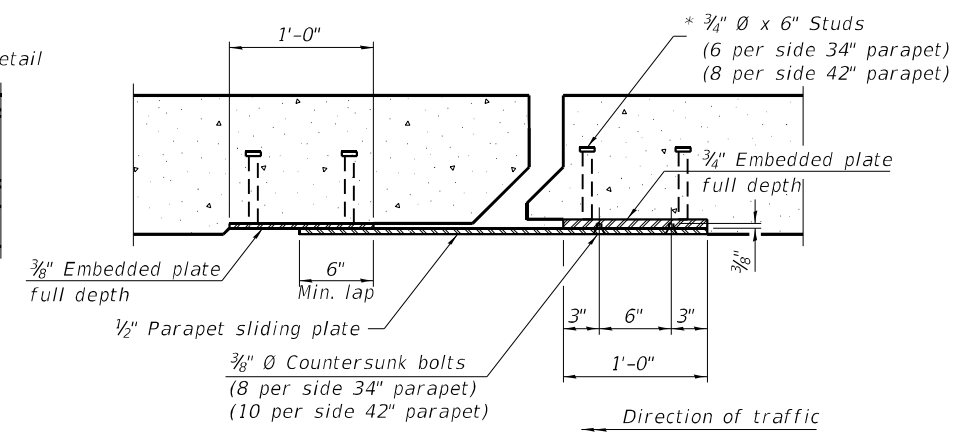


FOR SKEWS $\leq 30^\circ$

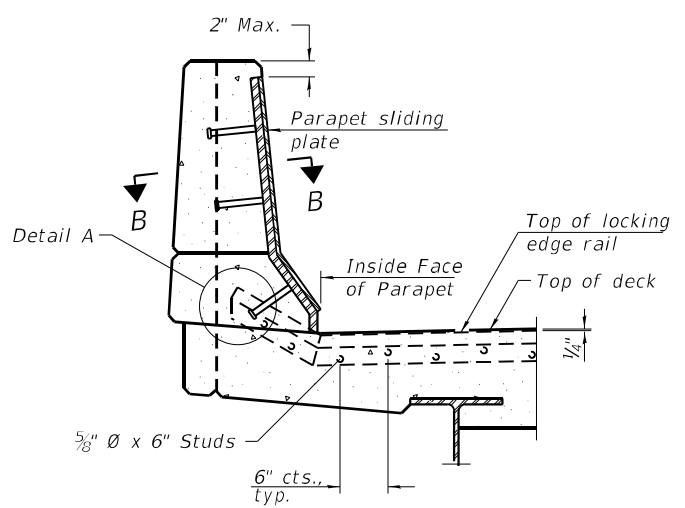
PLAN AT PARAPET



FOR SKEWS $> 30^\circ$

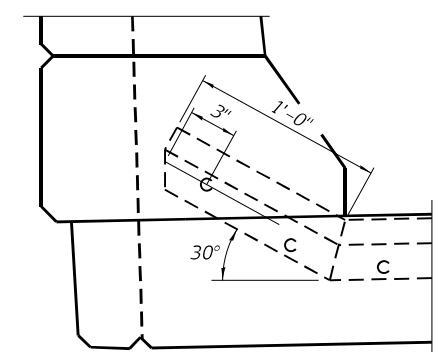


SECTION B-B

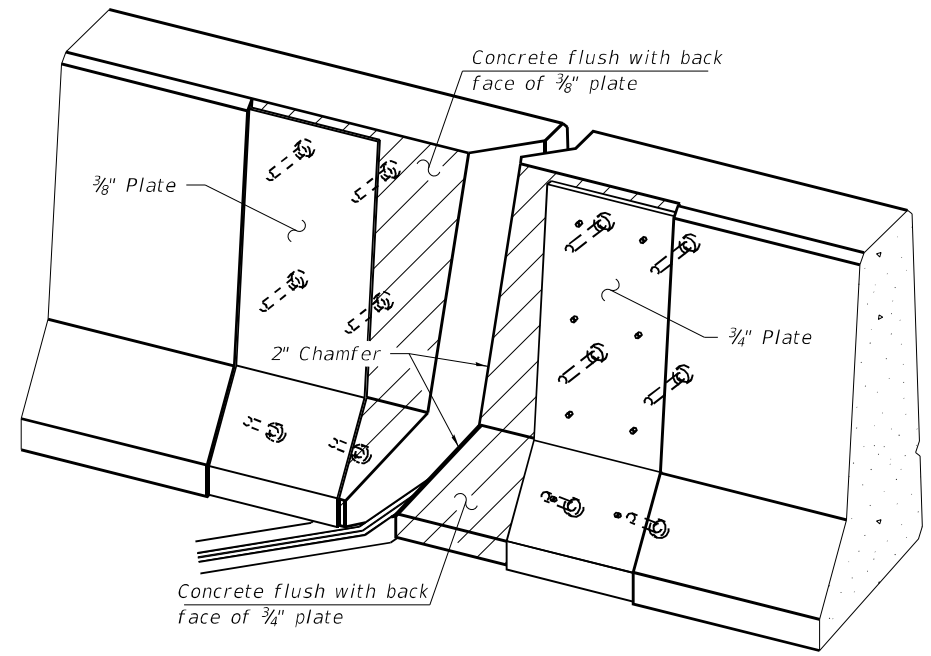


ELEVATION AT PARAPET

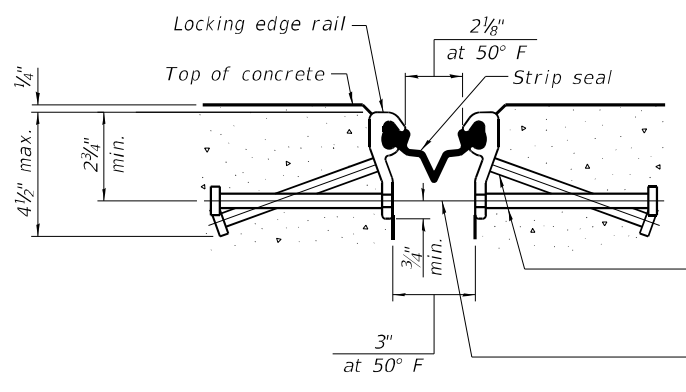
(Skews $> 30^\circ$ shown. Skews $\leq 30^\circ$ similar except as shown in plan view.)



DETAIL A



TRIMETRIC VIEW
(Showing embedded plates only)



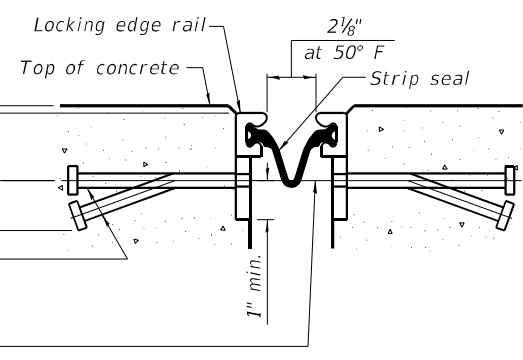
SHOWING ROLLED RAIL JOINT

* $5/8"$ ϕ x 6" studs @ 6" cts. (alternate angled/bent studs with horizontal studs)

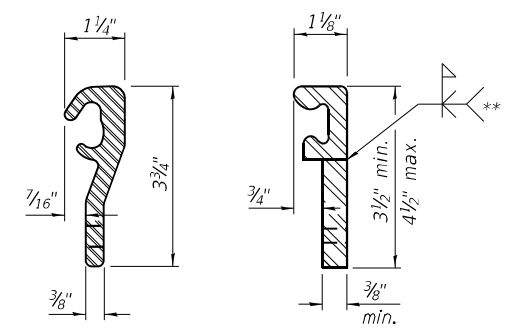
$3/8"$ ϕ threaded rods in $7/16"$ ϕ holes at $\pm 4'-0"$ cts. for holding the proper joint opening based on the temperature during the deck pour. Place to miss studs. All rods shall be burned, or sawed off flush with the plates after concrete is set.

SECTION A-A

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

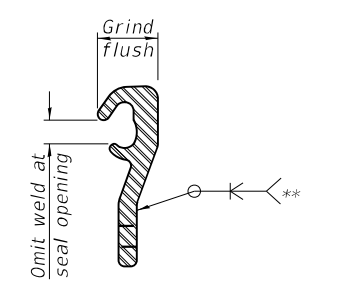


SHOWING WELDED RAIL JOINT



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	136.5



USER NAME =	pskolba	DESIGNED -	AT	REVISED -	
PLOT SCALE =		CHECKED -	AJN	REVISED -	
PLOT DATE =	7/18/2023	DRAWN -	AT/PS	REVISED -	
		CHECKED -	AJN	REVISED -	

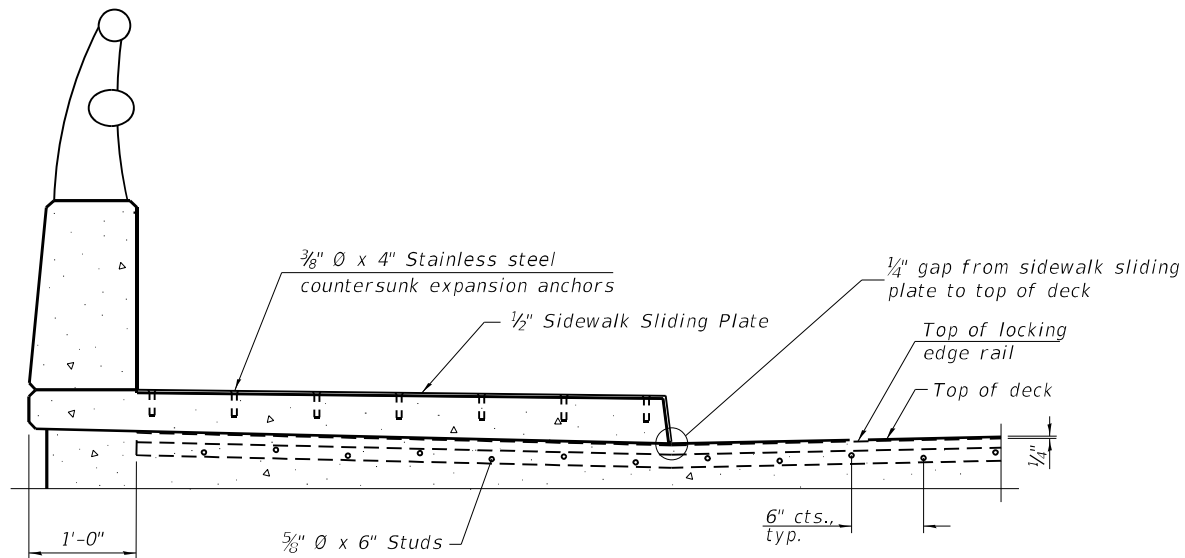
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PREFORMED JOINT STRIP SEAL
STRUCTURE NO. 022-1069**

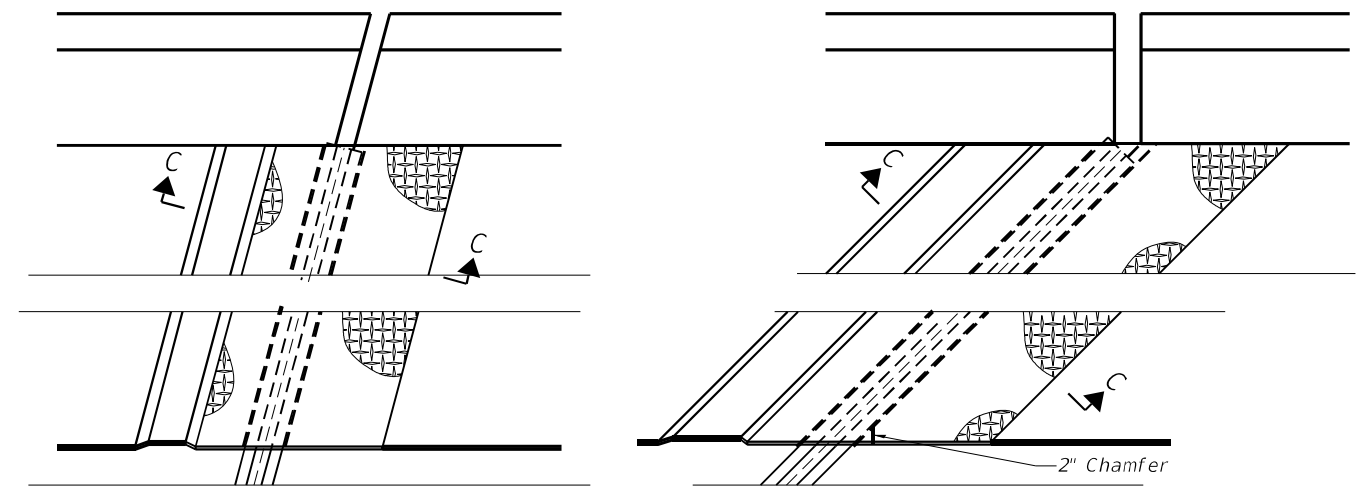
SHEET 14 OF 31 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0344	FAP 0344 22 BJ	DUPAGE	60	35
CONTRACT NO.			62T12	
ILLINOIS FED. AID PROJECT				

MODEL: Default
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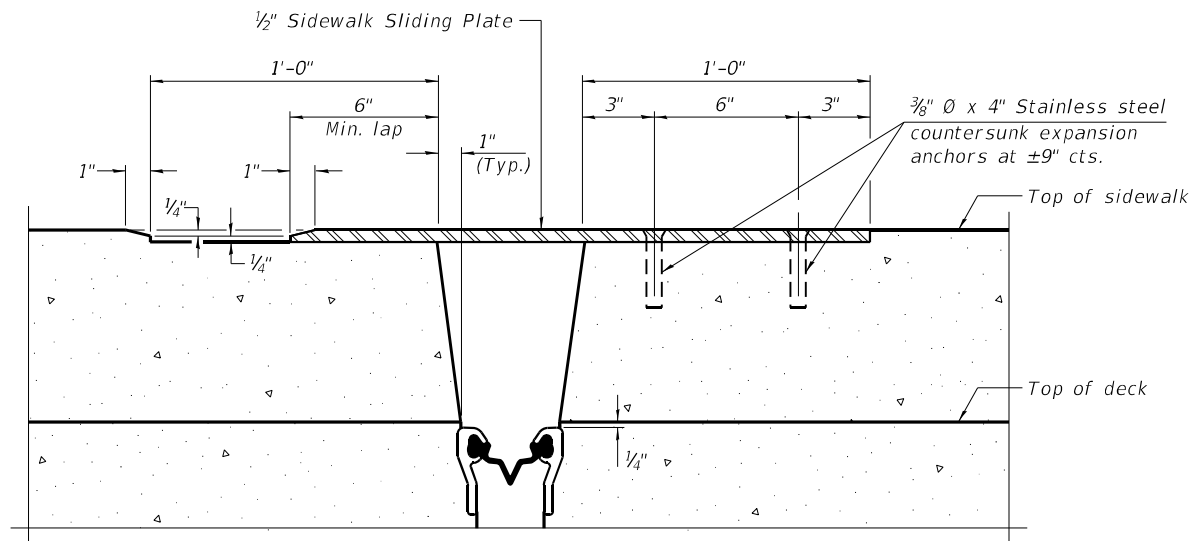
ELEVATION AT RAISED SIDEWALK



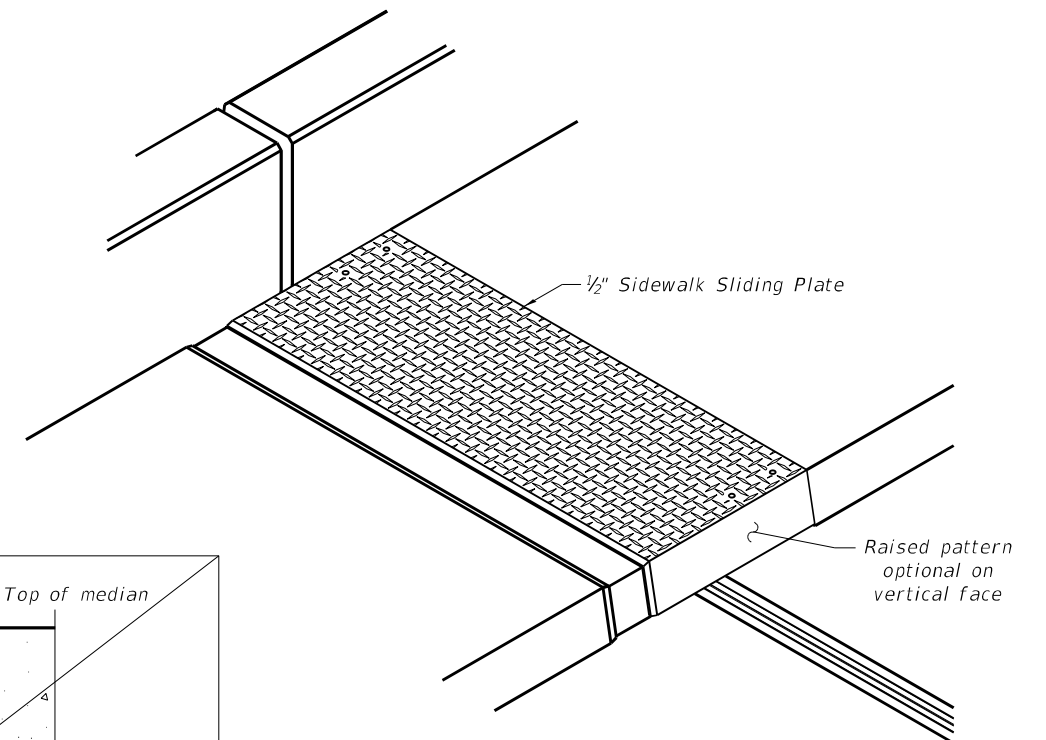
(FOR SKEWS ≤ 30°)

(FOR SKEWS > 30°)

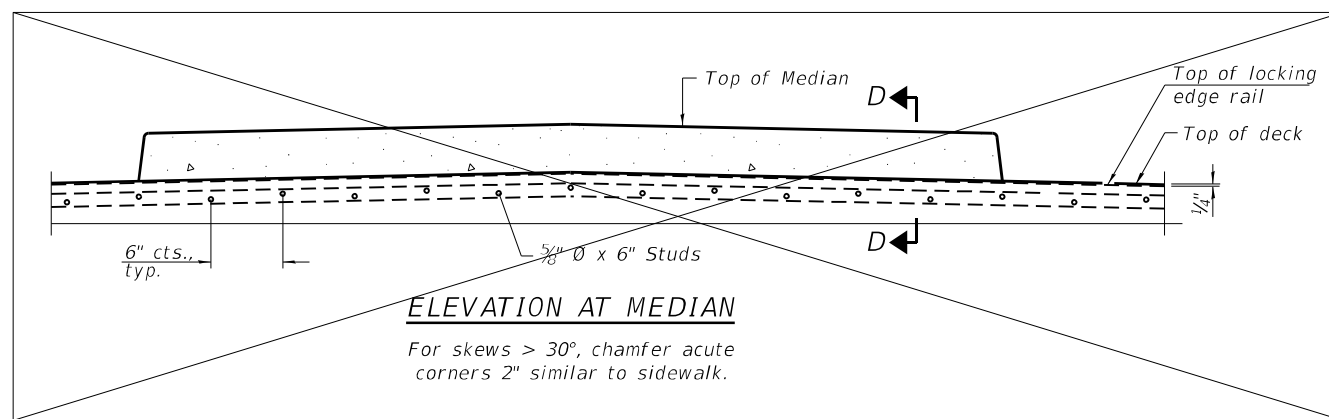
PLAN AT RAISED SIDEWALK



SECTION C-C

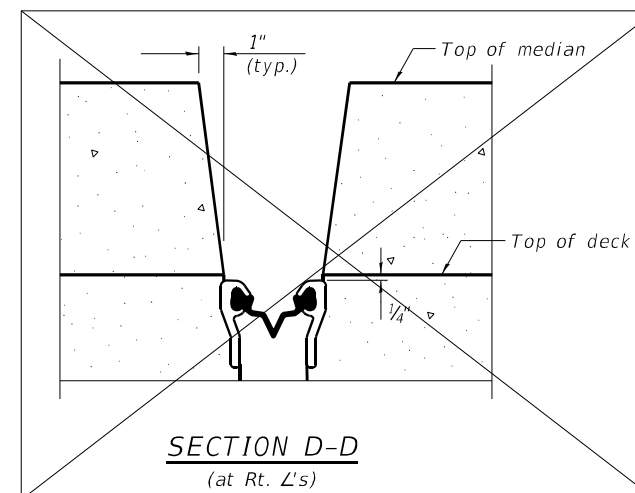


TRIMETRIC VIEW



ELEVATION AT MEDIAN

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



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



USER NAME =	pskolba	DESIGNED -	AT	REVISED -	
PLOT SCALE =		CHECKED -	AJN	REVISED -	
PLOT DATE =	7/18/2023	DRAWN -	AT/PS	REVISED -	
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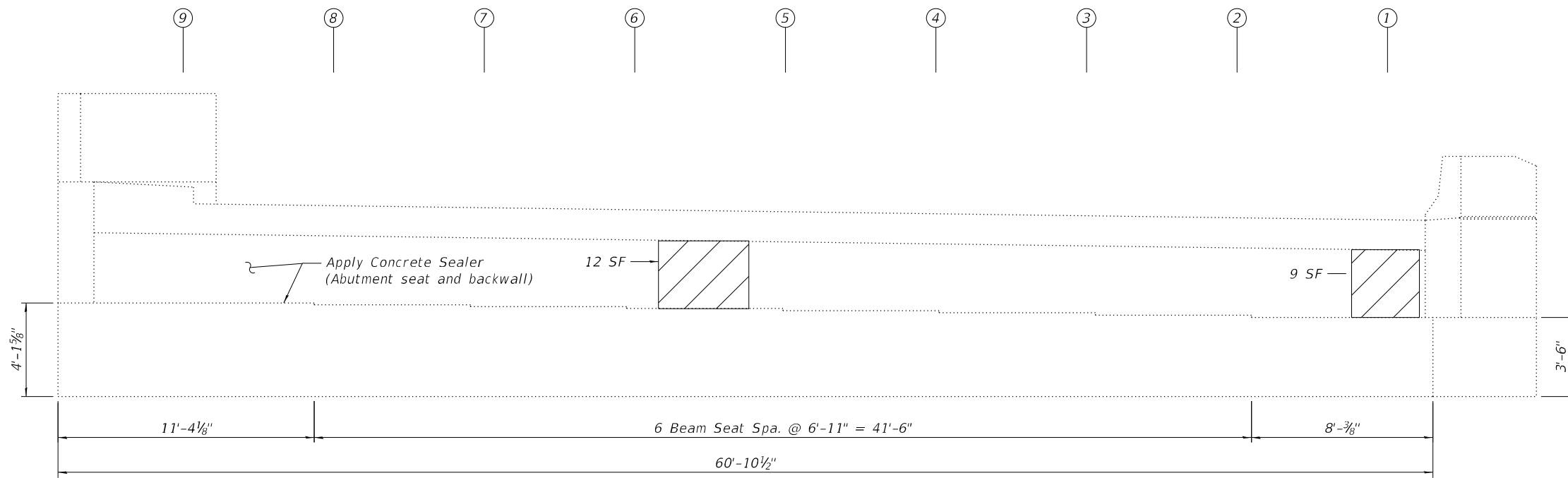
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PREFORMED JOINT STRIP SEAL - SIDEWALK
STRUCTURE NO. 022-1069

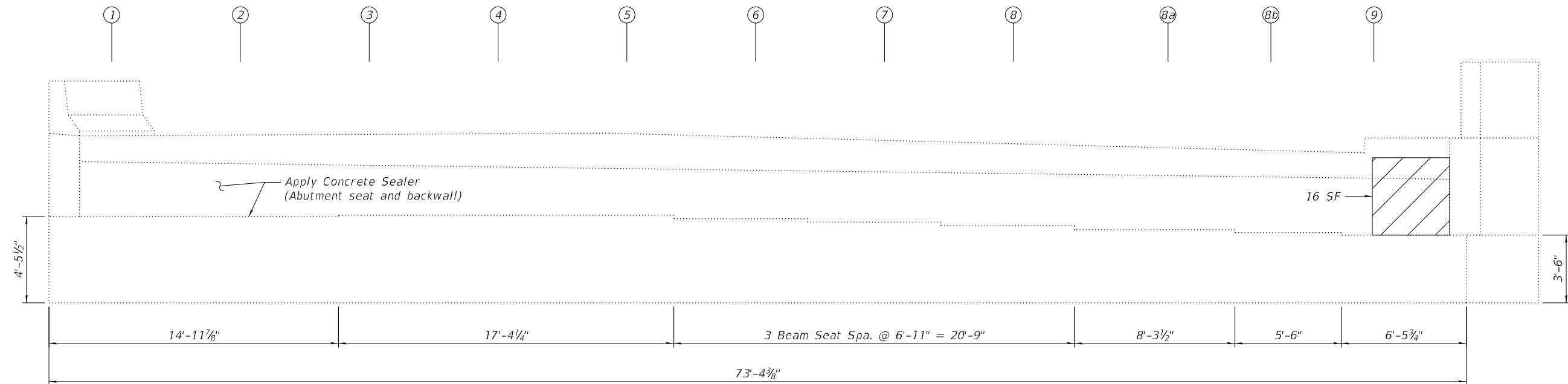
SHEET 15 OF 31 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0344	FAP 0344 22 BJ	DUPAGE	60	36
CONTRACT NO.			62T12	
ILLINOIS FED. AID PROJECT				

MODEL: Default
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NORTH ABUTMENT
 (Looking North)



SOUTH ABUTMENT
 (Looking South)

Notes:
 1. Quantities and limits of repairs shown are estimated for bidding purposes only. The actual areas to be repaired, and type(s) of repairs to be used, will be determined by the Engineer in the field at the time of construction.

LEGEND

- Structural Repair of Concrete (Depth Equal to or Less Than 5 Inches)

BILL OF MATERIAL

ITEM	UNIT	TOTAL
Cleaning and Painting Bearings	Each	20
Structural Repair of Concrete (Depth Equal to or Less Than 5 Inches)	Sq. Ft.	37
Concrete Sealer	Sq. Ft.	806



USER NAME =	pskolba	DESIGNED -	AT	REVISED -	
		CHECKED -	AJN	REVISED -	
PLOT SCALE =		DRAWN -	AT/PS	REVISED -	
PLOT DATE =	7/18/2023	CHECKED -	AJN	REVISED -	

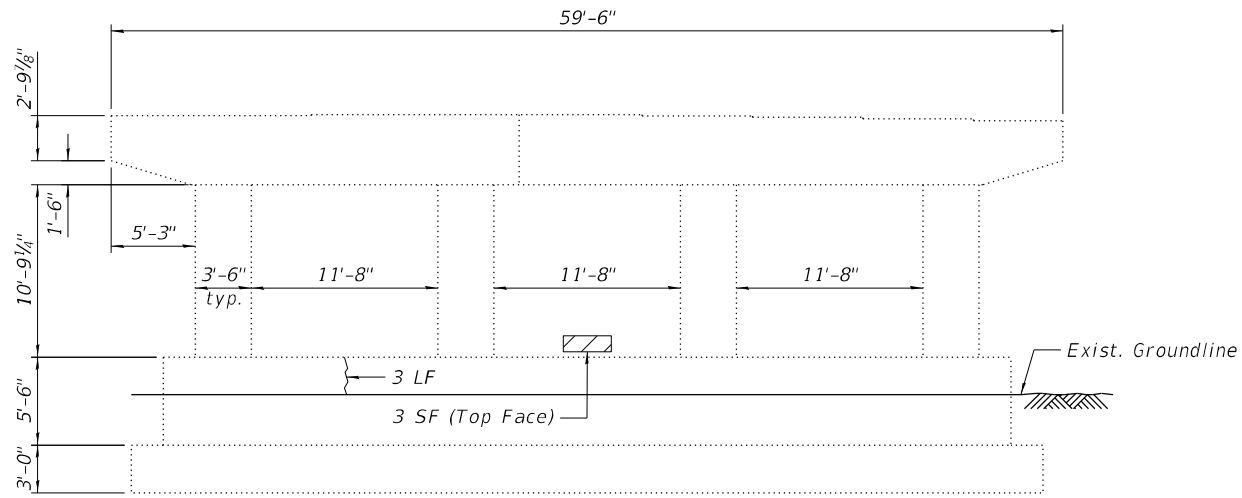
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

NORTH & SOUTH ABUTMENT REPAIRS
STRUCTURE NO. 022-1069

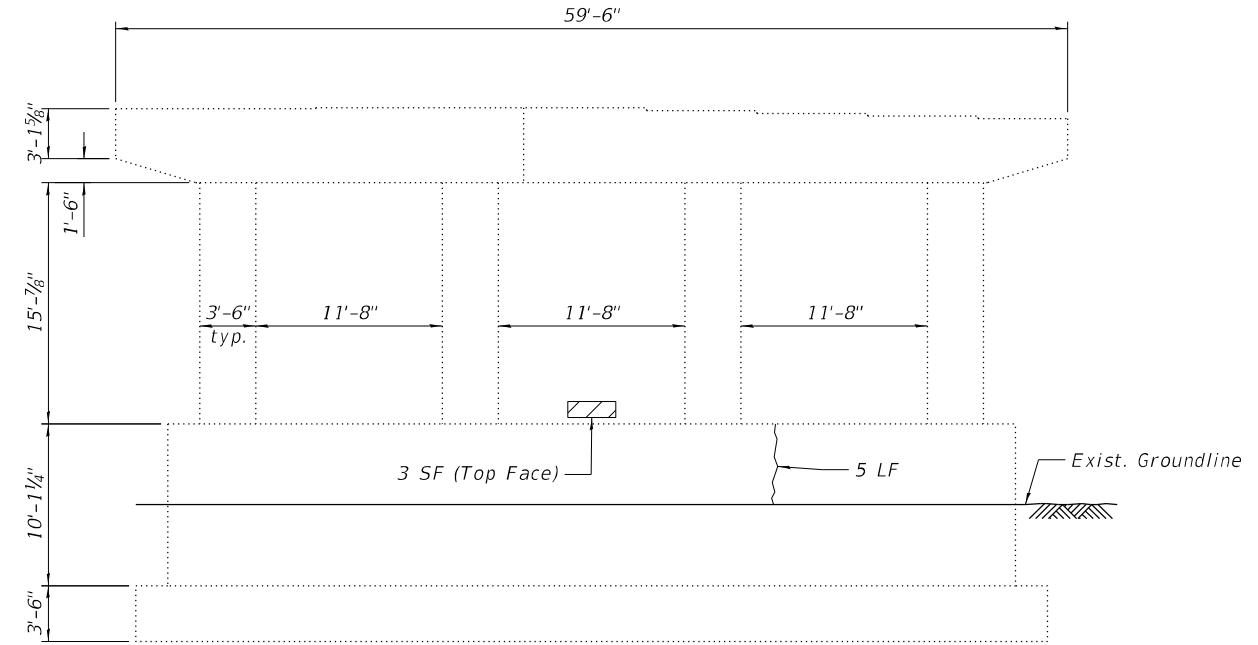
SHEET 16 OF 31 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0344	FAP 0344 22 BJ	DUPAGE	60	37
CONTRACT NO.			62T12	
ILLINOIS		FED. AID PROJECT		

MODEL: Default
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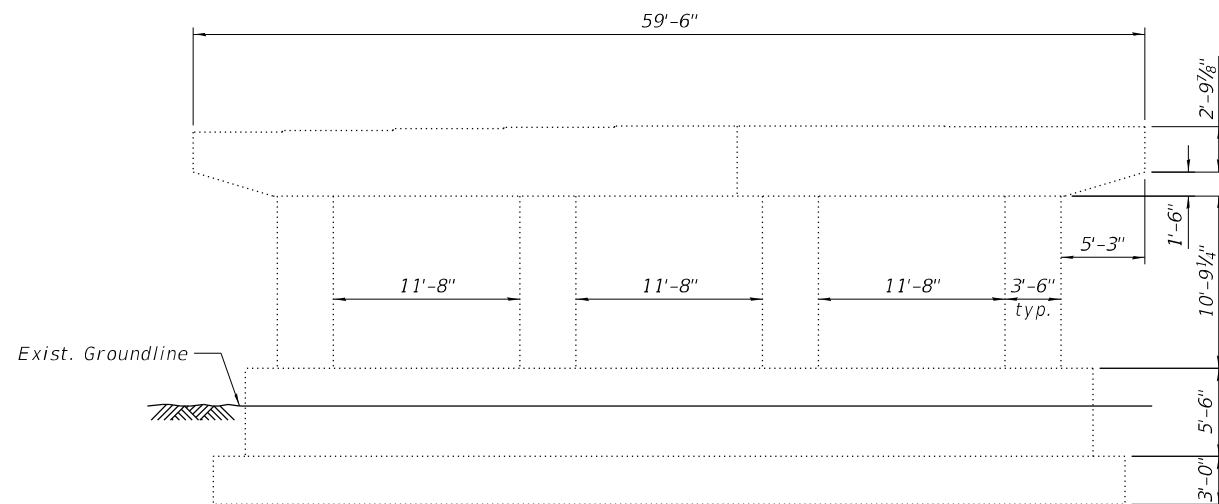
PIER #2
(Looking North)



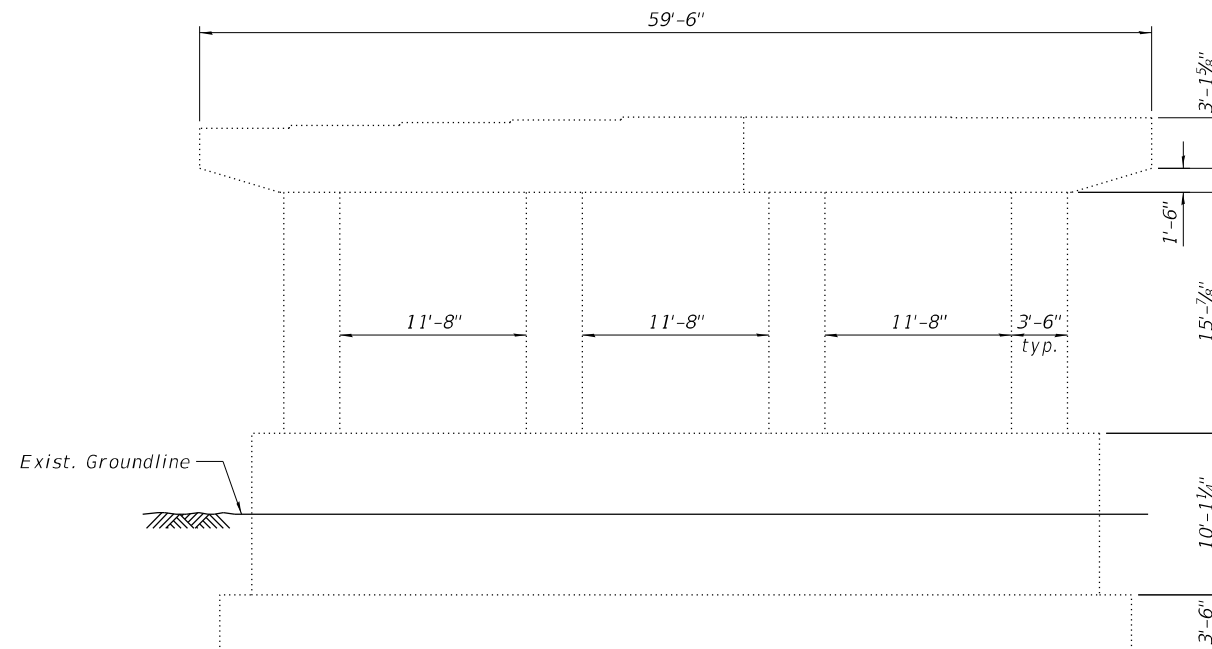
PIER #3
(Looking North)

LEGEND

- Structural Repair of Concrete (Depth Equal to or Less Than 5 Inches)
- Epoxy Crack Injection
- LF - Linear Foot
- SF - Square Foot



PIER #2
(Looking South)



PIER #3
(Looking South)

Notes:
 1. Quantities and limits of repairs shown are estimated for bidding purposes only. The actual areas to be repaired, and type(s) of repairs to be used, will be determined by the Engineer in the field at the time of construction.

BILL OF MATERIAL

ITEM	UNIT	TOTAL
Structural Repair of Concrete (Depth Equal to or Less Than 5 Inches)	Sq. Ft.	6
Epoxy Crack Injection	Foot	8



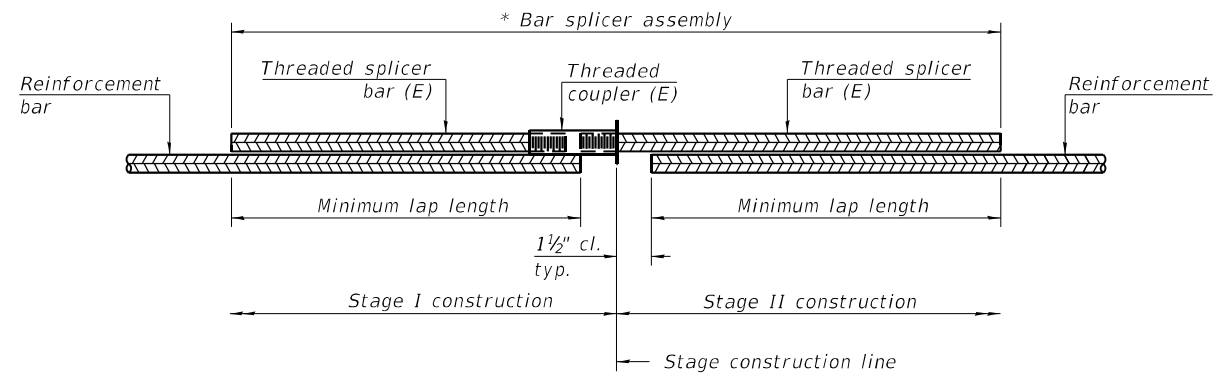
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PLOT SCALE =		DRAWN -	AT/PS	REVISED -	
PLOT DATE =	7/18/2023	CHECKED -	AJN	REVISED -	

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PIERS #2 & #3 REPAIRS
 STRUCTURE NO. 022-1069

SHEET 17 OF 31 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0344	FAP 0344 22 BJ	DUPAGE	60	38
CONTRACT NO.			62T12	
ILLINOIS FED. AID PROJECT				



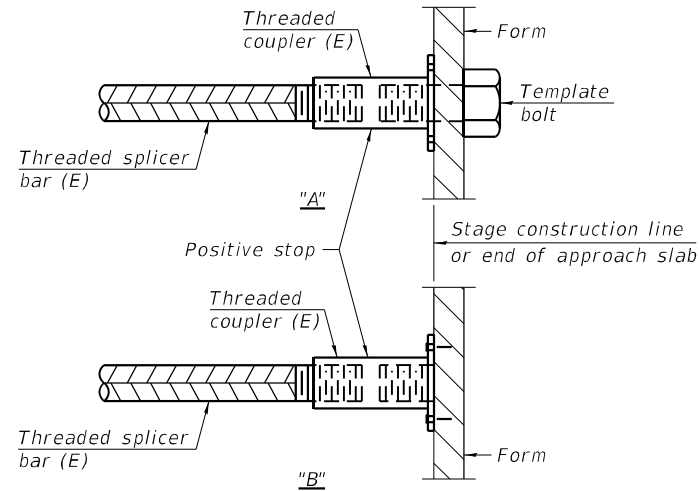
STANDARD BAR SPLICER ASSEMBLY PLAN

(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
North Abutment	#5	10	3'-6"
North Abutment	#6	4	4'-0"
South Abutment	#5	10	3'-6"
South Abutment	#6	4	4'-0"

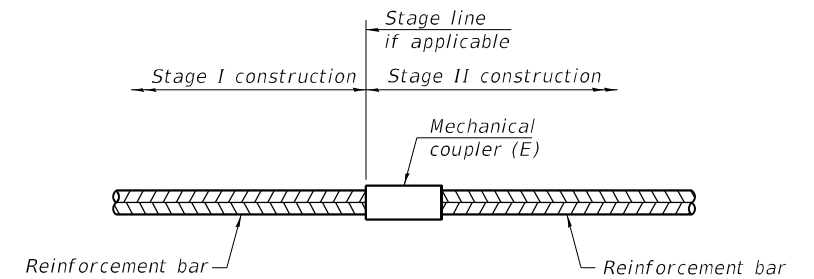


INSTALLATION AND SETTING METHODS

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

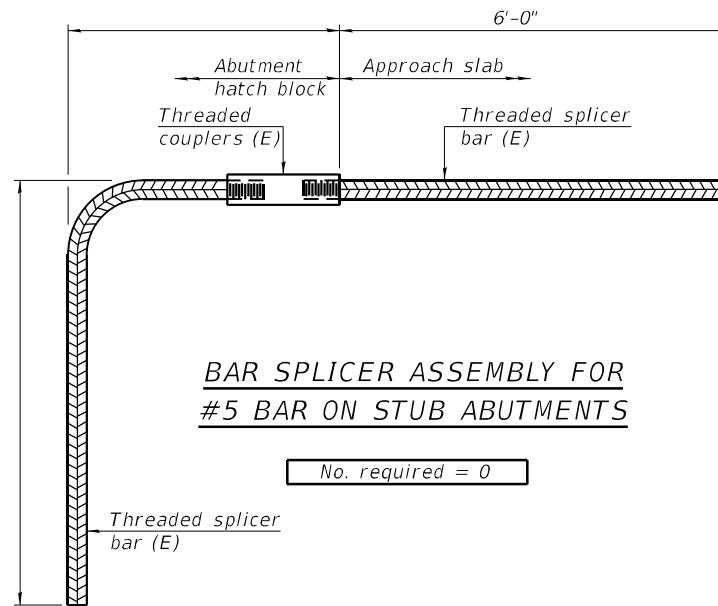
"B" : Set bar splicer assembly by nailing to wood forms or cementing to steel forms.

(E) : Indicates epoxy coating.



STANDARD MECHANICAL SPLICER

Location	Bar size	No. assemblies required



BAR SPLICER ASSEMBLY FOR #5 BAR ON STUB ABUTMENTS

No. required = 0

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: P:\040058 - IDOT\040058-01-002 (ENG) - PTB_195-016 Phase II Var_VanEngineering\WO 26 - 62T12 IL-83 BMSF500 Drawings\502 CADD Sheets\0221069-62T12_Bar_Splicer.dgn

Bowman <small>10 S. LaSalle Street, Suite 210 Chicago, Illinois 60606 312-464-0360 www.bowman.com</small>	USER NAME = pskolba	DESIGNED - AT	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BAR SPLICER ASSEMBLY DETAILS STRUCTURE NO. 022-1069	F.A.P. RTE. 0344	SECTION FAP 0344 22 BJ	COUNTY DUPAGE	TOTAL SHEETS 60	SHEET NO. 39
	PLOT SCALE =	DRAWN - AT/PS	REVISED -			CONTRACT NO. 62T12			ILLINOIS	FED. AID PROJECT
	PLOT DATE = 7/18/2023	CHECKED - AJN	REVISED -	SHEET 18 OF 31 SHEETS						

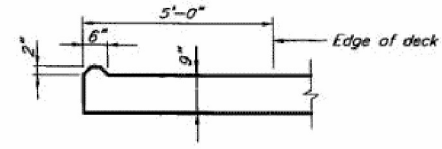
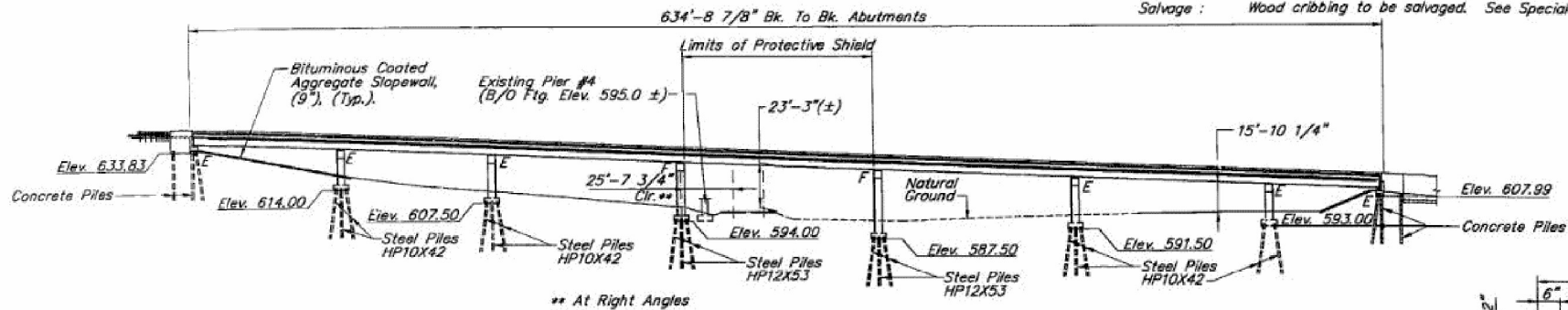
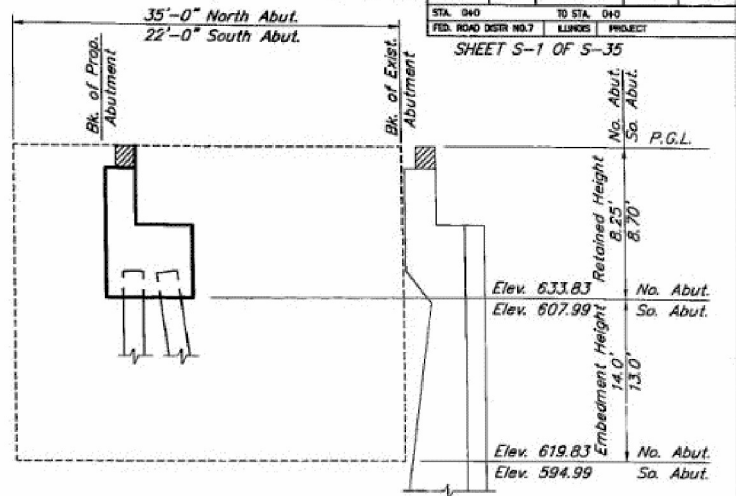
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP. 344	+	DUPAGE	60	40
STA. 040	TO STA. 040	PROJECT		
FED. ROAD DESIG. NO. 7	LENGTH	PROJECT		
SHEET S-1 OF S-35				

Bench mark: Std. Brass Plug (DuPage Co.) set in top of northwest concrete parapet, Sta. 763+21, 30' right, Elev. 644.96.
Chiseled "□" on S.W. corner of bridge.
Sta. 769+00, 29' Rt., Elev. 621.03.

No deck drains will be permitted in the span over tracks or within 10' of cross arms of a railroad pole line.

STATION 765 + 96.81
BUILT 19 BY
STATE OF ILLINOIS
F.A.P. RT. 344 - SEC.
LOADING HS20
STR. NO. 022-1069
NAME PLATE
See Std. 2113-3

Existing Structure: S.B.I. Route 54, Section 545 VB-N.R.H.-1, Structure Number 022-0052. Built in 1934, deck reconstructed in 1969. Superstructure R.C. Deck on simple span Steel I Beams and riveted plate girders. Substructure cantilever closed abutment, spill through open abutments and multiple column piers, crash walls at piers adjacent to railroad tracks. Superstructure and substructure to be removed and replaced with new structure. Traffic to be maintained utilizing stage construction. The bridge has a total length of 598'-6 3/4" back to back of abutments. The R.C. Deck on all spans is 54'-2" O. To O. The R.C. Deck is 44'-0" face to face of curbs and 7 1/2" thick and has a 1 1/2" bituminous overlay.
Salvage: Wood cribbing to be salvaged. See Special Provisions.

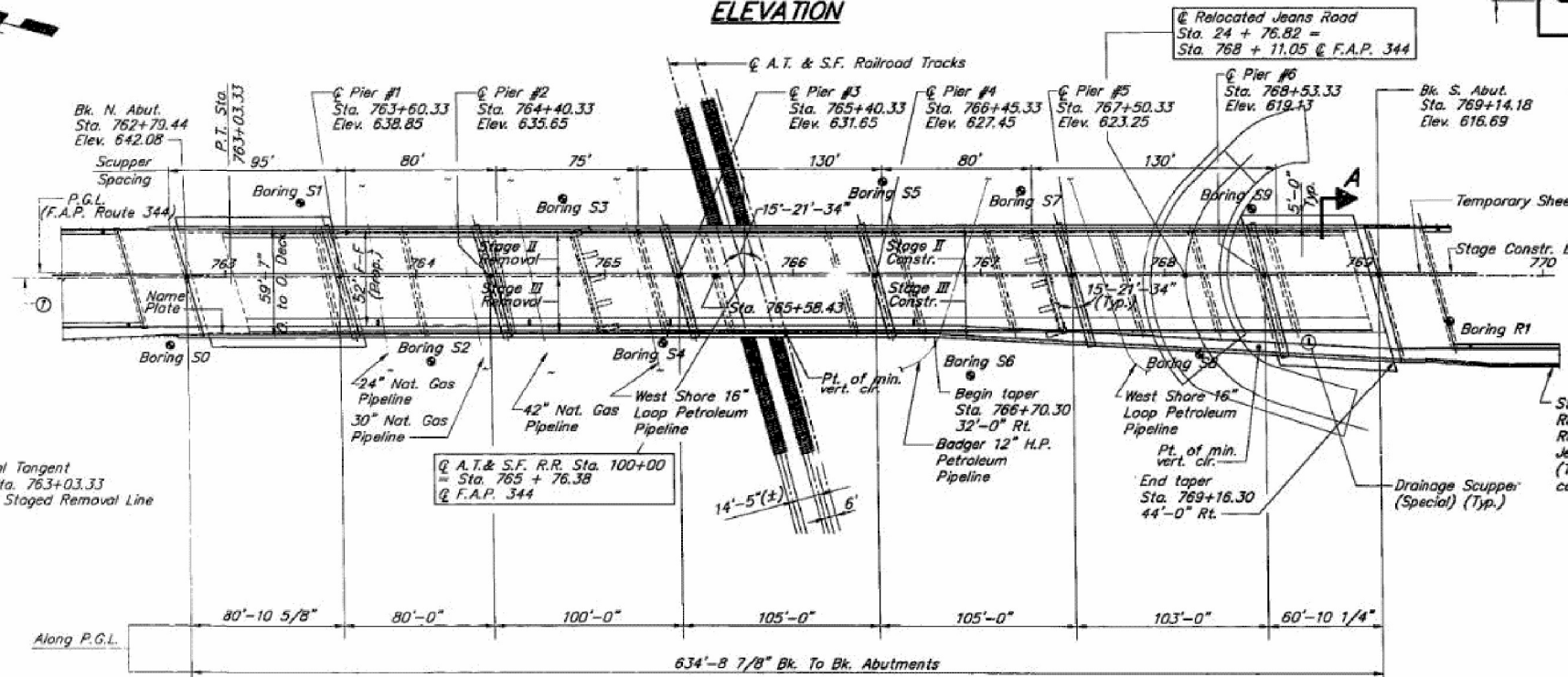


TEMPORARY SHEET PILING
If the Contractor chooses to alter the temporary cantilevered sheet piling design requirements shown on the plans for lesser design requirements, then full design submittals with the required seals will be expected by the department for review and approval.

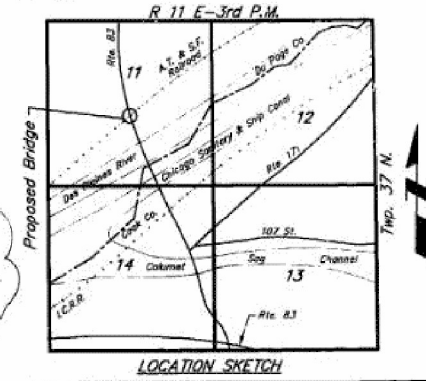
DESIGN STRESSES
Reinforcement: $f_y = 60,000$ p.s.i.
Reinforced Concrete: $f_c = 3,500$ p.s.i.
Structural Steel: $f_y = 50,000$ p.s.i. (M270 Grade 50)
 $f_y = 36,000$ p.s.i. (M270 Grade 36)

DESIGN SPECIFICATIONS
1992 AASHTO & 1993 Interim
LOADING HS 20-44
Allow 25#/S.F. for future wearing surface

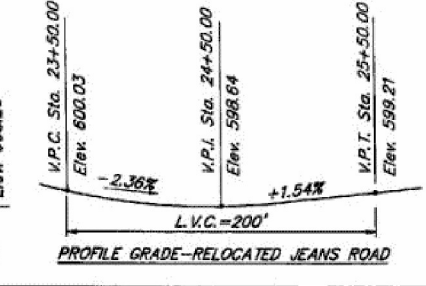
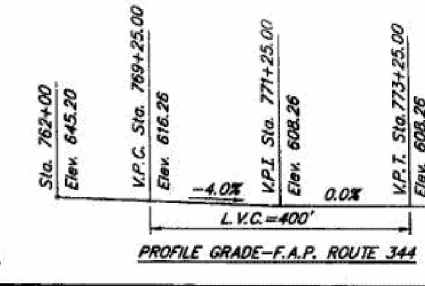
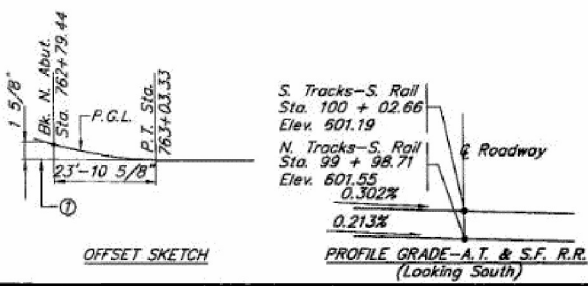
SEISMIC DATA
SPC = A
A = 3.8%
S = 1.0



SECTION A



Offset Sketch
Bk. N. Abut. Sta. 762+79.44
P.I. Sta. 763+03.33
Bk. S. Abut. Sta. 769+14.18
P.T. Sta. 769+17.33



APPROVED
FOR STRUCTURAL ADEQUACY ONLY
Robert E. DeLeon
Engineer of Bridges and Structures

Maid Molinari Co
STRUCTURAL ENGINEER
CLARK DIETZ, INC.
DATE: 2-14-96
LICENSE EXPIRES 11-30-96

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
GENERAL PLAN AND ELEVATION STANDARDS, AND PLAN NOTES
ILLINOIS ROUTE 83 OVER A.T. & S.F. RAILROAD
DUPAGE COUNTY
S.N. 022-1069
STA. 765 + 96.81
DATE: 2-15-96
SCALE: NONE
DRAWN BY: M.E.W.
CHECKED BY: M.M.

FOR INFORMATION ONLY

USER NAME = pskolba	DESIGNED - AT	REVISED -
PLOT SCALE =	CHECKED - AJN	REVISED -
PLOT DATE = 7/18/2023	DRAWN - AT/PS	REVISED -
	CHECKED - AJN	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

APPLICABLE AS-BUILT PLANS
STRUCTURE NO. 022-1069

SHEET 19 OF 31 SHEETS

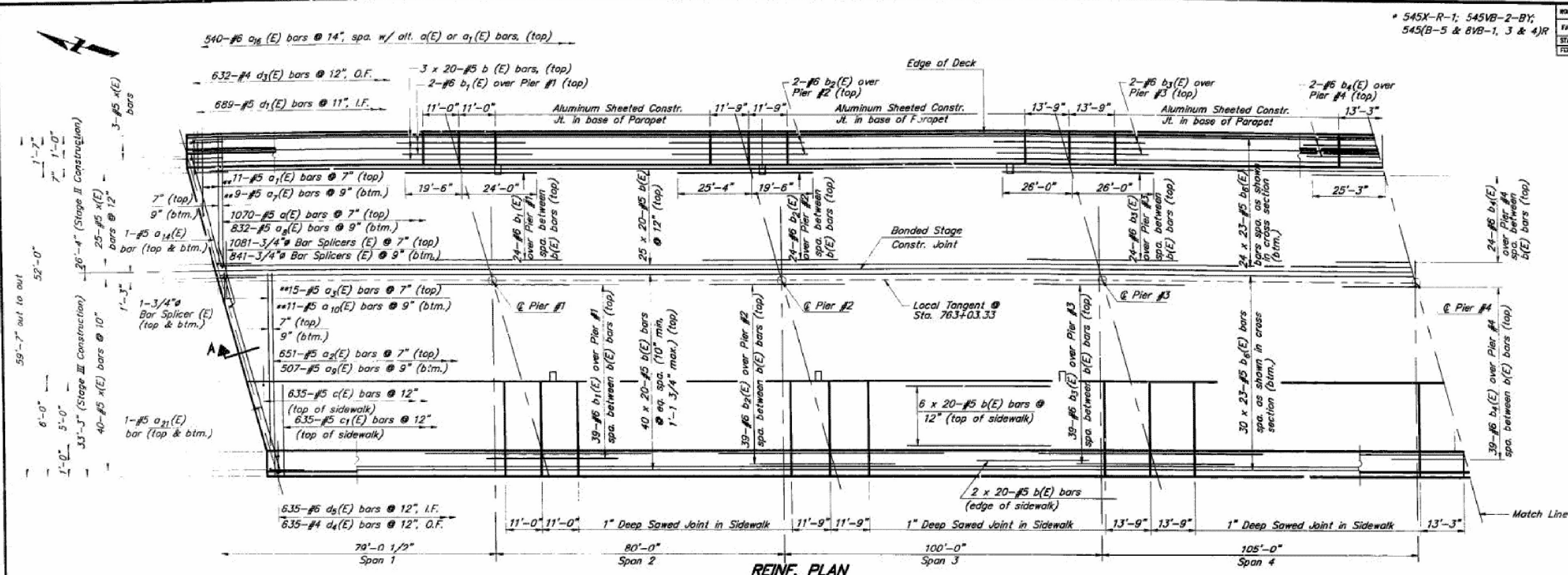
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0344	FAP 0344 22 BI	DUPAGE	60	40
CONTRACT NO. 62T12				
ILLINOIS FED. AID PROJECT				

MODEL: GPE
FILE NAME: P-040058 - IDOT040058-01-002 (ENG) - PTB 195-016 Phase II Var. VanEngineeringW0 26 - 62T12 IL-83 BNSF500 Drawings502 CADD Sheets0221069-62T12 As-Built Plans.dgn
CLARK DIETZ, INC. FILE: 1-S-01
7/18/2023 12:30:09 PM

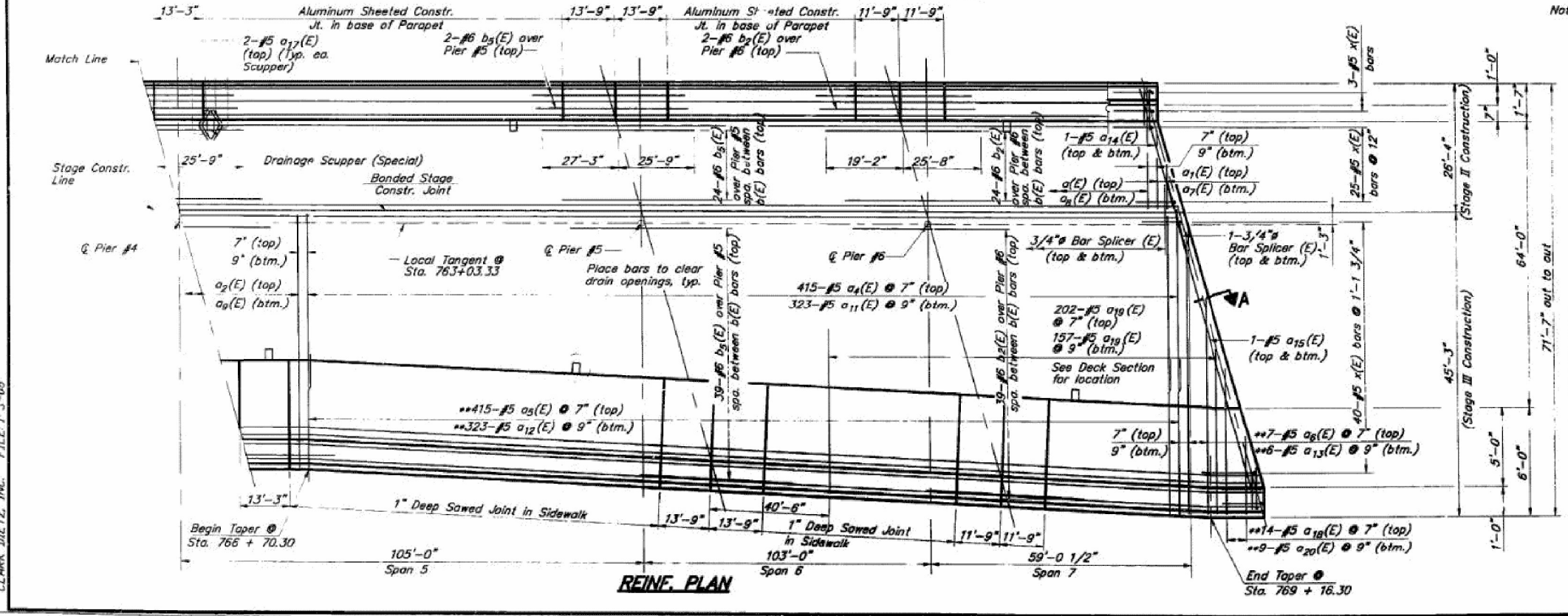
* 545X-R-1; 545VB-2-BY;
545(B-5 & 8VB-1, 3 & 4)R

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP. 344	#	DUPAGE	503	304
STA. 610	TO STA. 610		PROJECT	
FED. ROAD DIST. NO. 7	ALTOUS	PROJECT		

SHEET S-8 OF S-35



REIN. PLAN



REIN. PLAN

Note: See sheet S-9 for additional b6(E) bars required near Beams 8a and 8b.

Notes: See Sheet S-11 for Section A-A. See Sheet S-9, S-10 & S-11, for Superstructure Details, Parapet Reinforcement, and Bill of Material. Cut longitudinal reinforcement as required to clear scuppers. See Sheet S-1 for location of scuppers. Reinforcement bars designated (E) shall be epoxy coated. Bars indicated thus 20 x 3-#5 etc. indicates 20 lines of bars with 3 lengths per line. ** Order a1(E), a3(E), a5(E), a6(E), a7(E), a10(E), a12(E), a13(E), a18(E) and a20(E) bars full length. Cut and place the bars as shown in the diagrams on sheet S-9. a19(E) bars shall be bundled with a5(E) or a6(E) at top and a12(E) or a13(E) at bottom.

Min. Bar Laps	
#5 (deck)	1'-8"
#5 (parapet)	2'-2"
#5 (parapet)	4'-6"

LEGEND
I.F.: Denotes Inside Face
O.F.: Denotes Outside Face

ILLINOIS DEPARTMENT OF TRANSPORTATION
DECK PLAN
ILLINOIS ROUTE 83 OVER A.T. & S.F. RAILROAD
DUPAGE COUNTY
S.N. 022-1069
STA. 765 + 96.81
DATE: 2-15-96
SCALE: NONE

DRAWN BY: C.L.G.
CHECKED BY: M.M.

REVISIONS	
NAME	DATE

FOR INFORMATION ONLY

Bowman
10 S. LaSalle Street, Suite 210
Chicago, Illinois 60606
312-474-0360
www.bowman.com

USER NAME =	pskolba	DESIGNED -	AT	REVISED -	
CHECKED -	AJN	REVISOR -		REVISED -	
PLOT SCALE =		DRAWN -	AT/PS	REVISED -	
PLOT DATE =	7/18/2023	CHECKED -	AJN	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

APPLICABLE AS-BUILT PLANS
STRUCTURE NO. 022-1069

SHEET 20 OF 31 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0344	FAP 0344 22 BI	DUPAGE	60	41
CONTRACT NO. 62T12			ILLINOIS FED. AID PROJECT	

MODEL: Deck Plan FILE: I-5-08 CLARK DIETZ, INC. FILE: I-5-08

*545X-R-1; 545VB-2-BY;
545(B-5 & BVB-1, 3 & 4)R

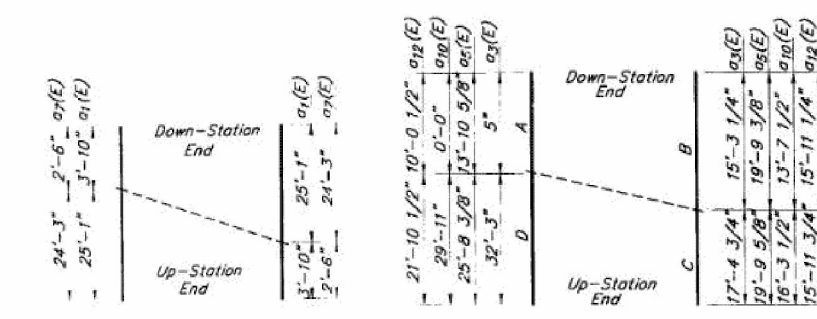
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP. 344	#	DUPAGE	60	42
STA. 0+0	TO STA. 6+0			
FED. ROAD DIST. NO. 7	ILLINOIS		PROJECT	
SHEET 5-9 OF 5-35				

SUPERSTRUCTURE BILL OF MATERIAL

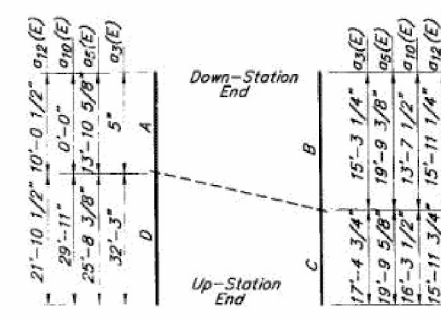
Bar	Total No.	Size	Length	Shape
a1(E)	1070	#5	25'-11"	
a2(E)	11	#5	28'-11"	
a3(E)	651	#5	32'-10"	
a4(E)	8	#5	32'-8"	
a5(E)	415	#5	20'-0"	
a6(E)	208	#5	39'-7"	
a7(E)	7	#5	43'-9"	
a8(E)	9	#5	26'-10"	
a9(E)	832	#5	25'-8"	
a10(E)	507	#5	32'-6"	
a11(E)	6	#5	29'-11"	
a12(E)	323	#5	24'-4"	
a13(E)	162	#5	31'-11"	
a14(E)	5	#5	43'-1"	
a15(E)	4	#5	26'-11"	
a16(E)	2	#5	46'-0"	
a17(E)	540	#5	4'-0"	
a18(E)	96	#5	2'-0"	
a19(E)	7	#5	30'-1"	
a20(E)	359	#5	19'-10"	
a21(E)	5	#5	28'-10"	
a22(E)	2	#5	34'-0"	
b1(E)	1520	#5	33'-9"	
b2(E)	65	#5	43'-6"	
b3(E)	130	#5	44'-10"	
b4(E)	65	#5	52'-0"	
b5(E)	65	#5	51'-0"	
b6(E)	65	#5	53'-0"	
b7(E)	1330	#5	29'-2"	
c1(E)	635	#5	2'-5"	
c2(E)	635	#5	5'-9"	
d1(E)	689	#5	3'-0"	
d2(E)	689	#5	2'-7"	
d3(E)	632	#4	3'-0"	
d4(E)	632	#4	4'-2"	
d5(E)	635	#4	5'-1"	
d6(E)	635	#5	3'-9"	
d7(E)	144	#4	2'-0"	
e1(E)	48	#4	16'-9"	
e2(E)	24	#4	10'-9"	
e3(E)	60	#4	18'-9"	
e4(E)	48	#4	11'-6"	
e5(E)	48	#4	18'-4"	
e6(E)	48	#4	13'-6"	
e7(E)	72	#4	19'-7"	
e8(E)	24	#4	13'-0"	
e9(E)	24	#4	19'-7"	
e10(E)	18	#4	15'-6"	
e11(E)	4	#5	36'-2"	
e12(E)	4	#5	10'-9"	
e13(E)	4	#5	30'-9"	
e14(E)	8	#5	11'-6"	
e15(E)	6	#5	27'-9"	
e16(E)	8	#5	13'-6"	
e17(E)	12	#5	28'-11"	
e18(E)	4	#5	13'-0"	
e19(E)	6	#5	28'-9"	
e20(E)	4	#5	25'-10"	
e21(E)	4	#5	35'-0"	
e22(E)	4	#5	10'-9"	
e23(E)	4	#5	29'-7"	
e24(E)	8	#5	11'-6"	
e25(E)	6	#5	26'-3"	
e26(E)	8	#5	13'-6"	
e27(E)	12	#5	27'-4"	
e28(E)	4	#5	13'-0"	
e29(E)	6	#5	27'-2"	
e30(E)	4	#5	24'-8"	
e31(E)	6	#4	2'-11"	
e32(E)	24	#4	19'-6"	
e33(E)	18	#4	13'-2"	
e34(E)	6	#4	7'-7"	
e35(E)	6	#4	4'-1"	

Bar	Total No.	Size	Length	Shape
a1(E)	48	#4	16'-9"	
a2(E)	24	#4	10'-9"	
a3(E)	60	#4	18'-9"	
a4(E)	48	#4	11'-6"	
a5(E)	48	#4	18'-4"	
a6(E)	48	#4	13'-6"	
a7(E)	72	#4	19'-7"	
a8(E)	24	#4	13'-0"	
a9(E)	24	#4	19'-7"	
a10(E)	18	#4	15'-6"	
a11(E)	4	#5	36'-2"	
a12(E)	4	#5	10'-9"	
a13(E)	4	#5	30'-9"	
a14(E)	8	#5	11'-6"	
a15(E)	6	#5	27'-9"	
a16(E)	8	#5	13'-6"	
a17(E)	12	#5	28'-11"	
a18(E)	4	#5	13'-0"	
a19(E)	6	#5	28'-9"	
a20(E)	4	#5	25'-10"	
a21(E)	4	#5	35'-0"	
a22(E)	4	#5	10'-9"	
a23(E)	4	#5	29'-7"	
a24(E)	8	#5	11'-6"	
a25(E)	6	#5	26'-3"	
a26(E)	8	#5	13'-6"	
a27(E)	12	#5	27'-4"	
a28(E)	4	#5	13'-0"	
a29(E)	6	#5	27'-2"	
a30(E)	4	#5	24'-8"	
a31(E)	6	#4	2'-11"	
a32(E)	24	#4	19'-6"	
a33(E)	18	#4	13'-2"	
a34(E)	6	#4	7'-7"	
a35(E)	6	#4	4'-1"	

Reinforcement bars designated (E) shall be epoxy coated.
Bars indicated thus 1 x 4-#5 etc. indicates 1 line of bars with 4 lengths per line.

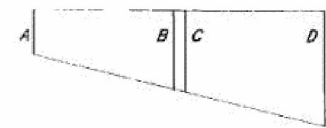


Bars a1(E) & a7(E)
CUTTING DIAGRAM

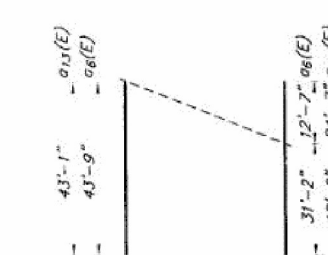


Bars a3(E), a5(E), a10(E) & a12(E)
CUTTING DIAGRAM

Notes: Discard shortest a3(E), a5(E) and a12(E) bar (down-station end)

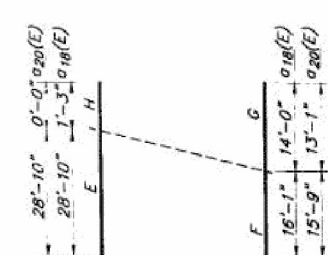


Bars a3(E), a5(E), a10(E) & a12(E)
PLACEMENT DIAGRAM



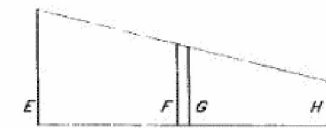
Bars a6(E) & a11(E)
CUTTING DIAGRAM

Notes: Discard short portions of bars

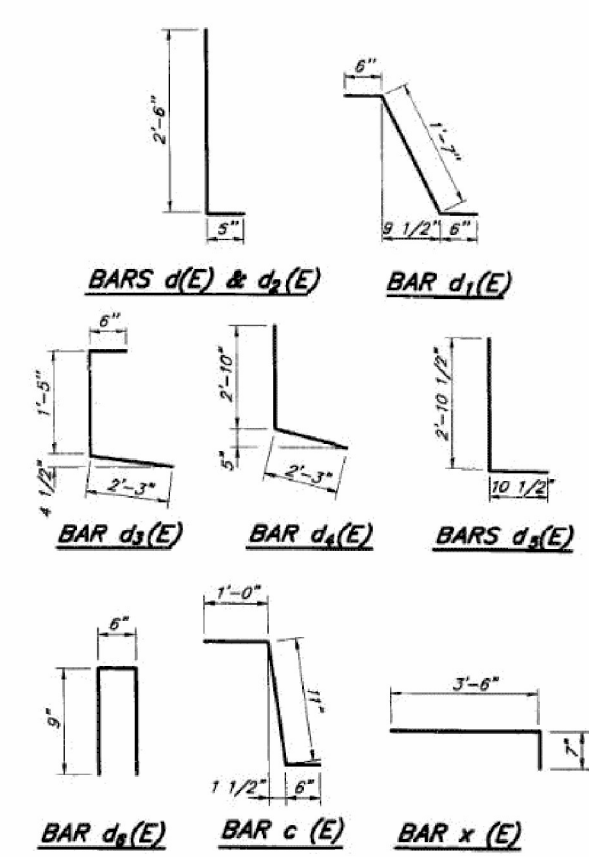


Bars a18(E) & a20(E)
CUTTING DIAGRAM

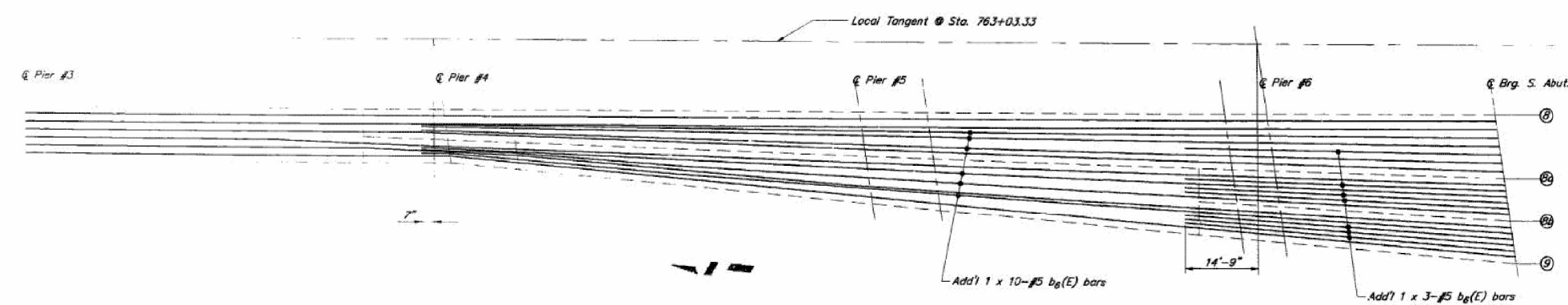
Notes: Discard shortest a18(E) bar (up-station end)



Bars a18(E) & a20(E)
PLACEMENT DIAGRAM



BAR d1(E) through BAR d6(E) and BAR c(E)



SCHMATIC PLAN-ADDITIONAL REINFORCEMENT LAYOUT

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
SUPERSTRUCTURE MATERIAL LIST AND QUANTITIES
ILLINOIS ROUTE 83 OVER A.T. & S.F. RAILROAD
DUPAGE COUNTY
STA. 765 + 96.81 S.N. 022-1069
DATE: 2-15-96 DRAWN BY: C.L.G.
SCALE: NONE CHECKED BY: M.M.

FOR INFORMATION ONLY

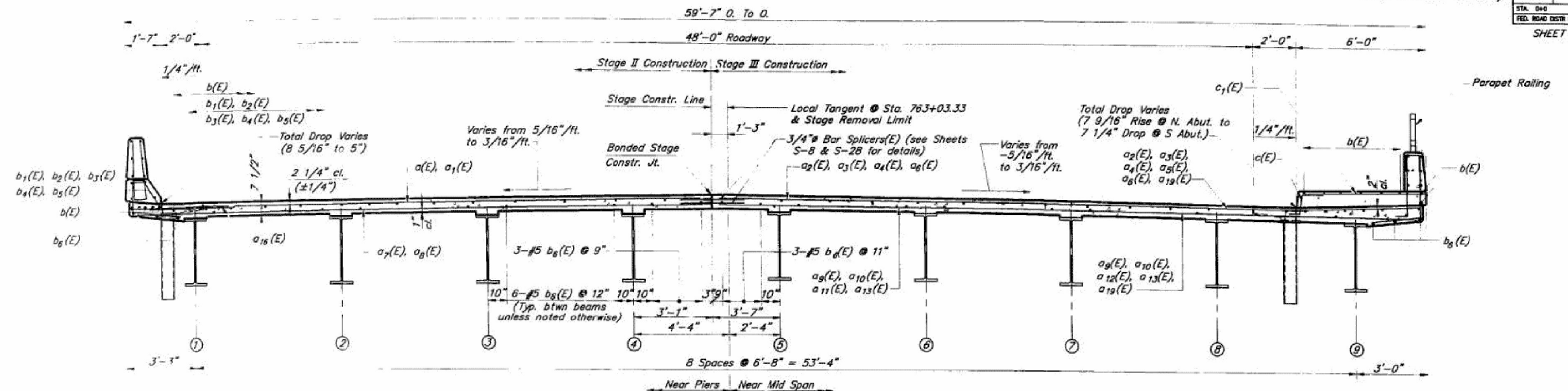
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

APPLICABLE AS-BUILT PLANS
STRUCTURE NO. 022-1069

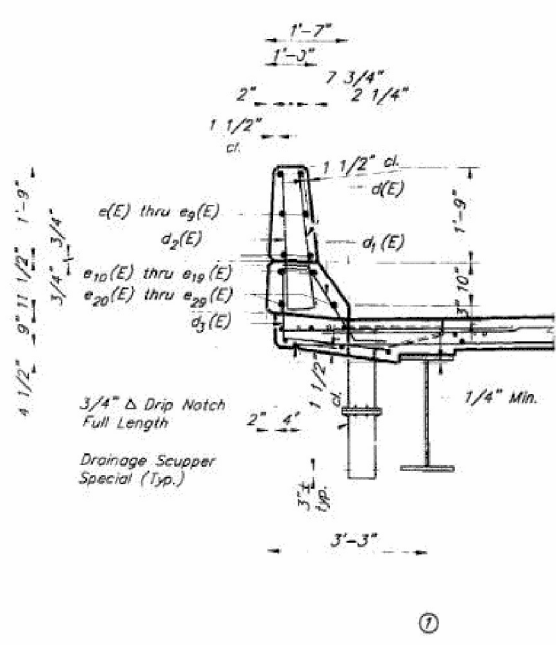
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0344	FAP 0344 22 BI	DUPAGE	60	42
CONTRACT NO. 62T12				

MODEL: Materials
 FILE NAME: P:040058 - IDOT\040058-01-002 (ENG) - PTB_195-016 Phase II Var. VarEngineering\WO 26 - 62T12 IL-83 BNSF500 Drawings\502 CADD Sheets\0221069-62T12 As-Built Plans.dgn
 CLARK DIETZ, INC. FILE: 1-5-00
 Bowman 10 S. LaSalle Street, Suite 210 Chicago, Illinois 60606 312-474-0360 www.bowman.com
 7/18/2023 12:30:13 PM

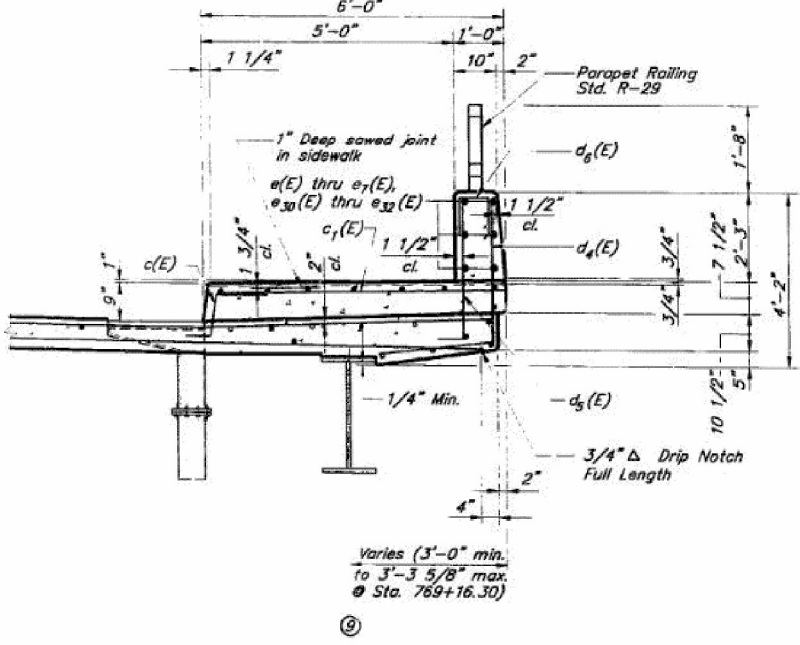
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP. 344	#	DUPAGE	60	208
STA. 0+0	TO STA. 0+0	ILLINOIS PROJECT		
SHEET 5-10 OF S-35				



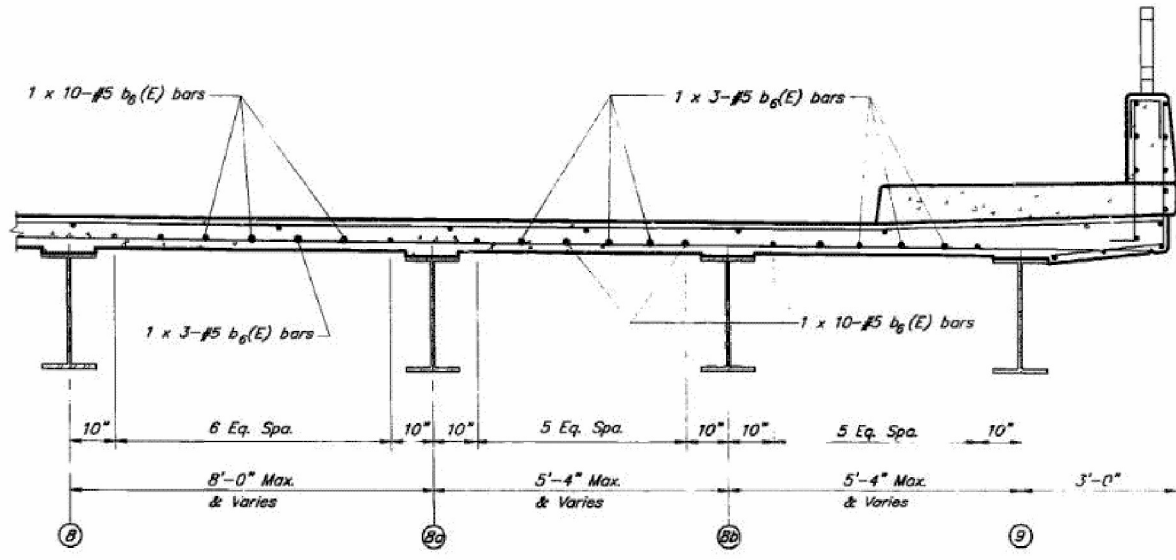
CROSS SECTION NEAR CENTER OF STRUCTURE
(Looking South)



TYPICAL SECTION THRU PARAPET



TYPICAL SECTION THRU SIDEWALK



PARTIAL CROSS SECTION NEAR SOUTH ABUTMENT
(Showing additional reinforcement in Up-Station End of deck)
(Looking South)

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
DECK CROSS-SECTION
ILLINOIS ROUTE 83 OVER A.T. & S.F. RAILROAD
DUPAGE COUNTY
STA. 765 + 96.81
DATE: 2-15-96
SCALE: NONE
DRAWN BY: C.L.G.
CHECKED BY: M.M.

Work this sheet with S-8 & S-9 for Slab Reinforcing Plan.
Work this sheet with S-11 for Parapet Elevations.
Work this sheet with S-1 for Scupper spacing.
Adjust bars in the field to miss scuppers.

FOR INFORMATION ONLY

USER NAME = pskolba	DESIGNED - AT	REVISED -
PLOT SCALE =	CHECKED - AJN	REVISED -
DATE = 7/18/2023	DRAWN - AT/PS	REVISED -
	CHECKED - AJN	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

APPLICABLE AS-BUILT PLANS
STRUCTURE NO. 022-1069

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0344	FAP 0344 22 BI	DUPAGE	60	43
CONTRACT NO. 62T12				

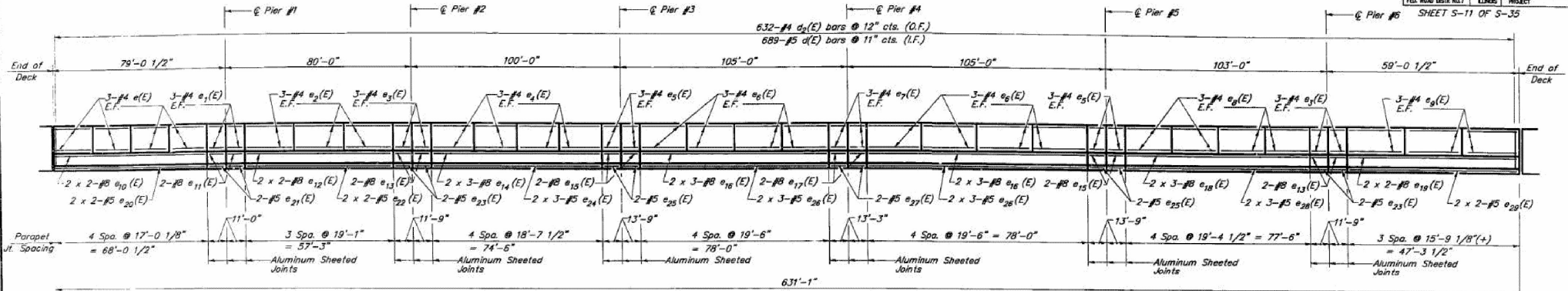
SHEET 22 OF 31 SHEETS

ILLINOIS FED. AID PROJECT

MODEL: Deck X-sec
 FILE NAME: P:040058 - IDOT\040058-01-002 (ENG) - PTB_195-016 Phase II Var. Var\Engineering\W0 26 - 62T12 IL-83 BMSF500 Drawings\502 CADD Sheets\0221069-62T12_As-Built_Plans.dgn
 CLARK DIETZ, INC. FILE: T-S-10
 7/18/2023 12:30:15 PM

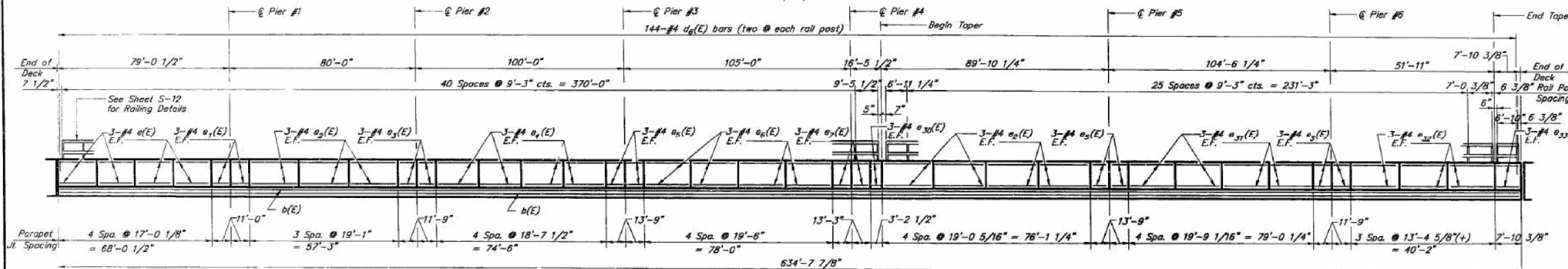
*545X-R-1; 545VB-2-BY;
545(B-5 & BVB-1, 3 & 4)R

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 344	#	DUPAGE	603	207
STA. 640	TO STA. 648			
FED. ROAD DIST. NO. 1	LINE	PROJECT		
SHEET S-11 OF S-35				



INSIDE ELEVATION OF EAST PARAPET

Note: Dimensions along inside face of parapet.

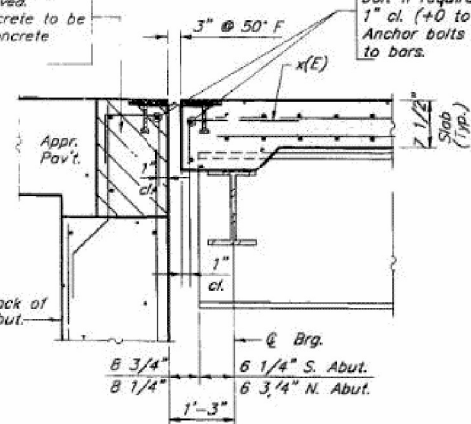


DEVELOPED OUTSIDE ELEVATION OF WEST SIDEWALK & PARAPET

Note: Dimensions along inside face of parapet.

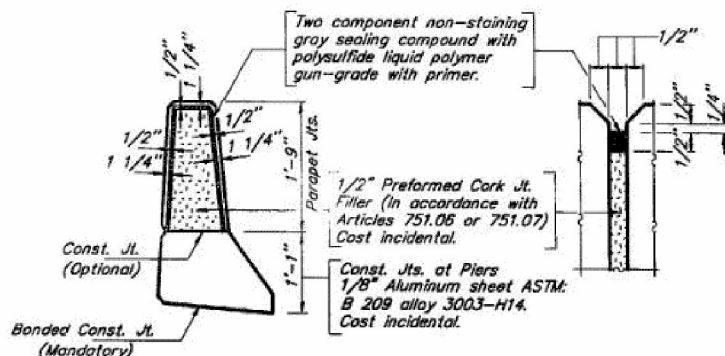
Hatched area to be poured after superstructure forms have been removed. Quantity of concrete to be included with Concrete Super Structure.

Place bars in back of anchor bolt if required to maintain 1" cl. (+0 to -1/8"). Anchor bolts should be tied to bars.



SECTION A-A

Dimensions measured @ Rt. angles to Abutment



PARAPET JOINT DETAILS

LEGEND
I.F. : Denotes Inside Face
O.F. : Denotes Outside Face
E.F. : Denotes Each Face
For location of Section A-A see Sheet S-8.
For Sections thru Parapet & Sidewalk, see Sheet S-10.

REVISIONS	
NAME	DATE
Mod. Sec. A-A	3/27/96

ILLINOIS DEPARTMENT OF TRANSPORTATION
PARAPET SECTIONS & ELEVATIONS
ILLINOIS ROUTE 83 OVER A.T. & S.F. RAILROAD
DUPAGE COUNTY
STA. 765 + 96.81 S.N. 022-1069
DATE: 2-15-96 DRAWN BY: C.L.G.
SCALE: NONE CHECKED BY: M.M.

FOR INFORMATION ONLY

USER NAME =	pskolba	DESIGNED -	AT	REVISED -	
CHECKED -	AJN	REVISIONS -			
PLOT SCALE =		DRAWN -	AT/PS	REVISED -	
PLOT DATE =	7/18/2023	CHECKED -	AJN	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

APPLICABLE AS-BUILT PLANS
STRUCTURE NO. 022-1069

SHEET 23 OF 31 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0344	FAP 0344 22 B1	DUPAGE	60	44
CONTRACT NO. 62T12				
ILLINOIS FED. AID PROJECT				

MODEL: Parapet
FILE NAME: P-040058 - IDOT\040058-01-002 (ENG) - PTB 195-016 Phase II Var. VarEngineering\W0 26 - 62T12 IL-83 BNSF500 Drawings\502 CADD Sheets\0221069-62T12 As-Built Plans.dgn
7/18/2023 12:30:17 PM

* 545X-R-1; 545VB-2-BY;
545(B-5 & 8VB-1, 3 & 4)R

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP. 344	#	DUPAGE	60	45
STA. 040		TO STA. 040		
FED. ROAD DIST. NO.	BLDG.	PROJECT		

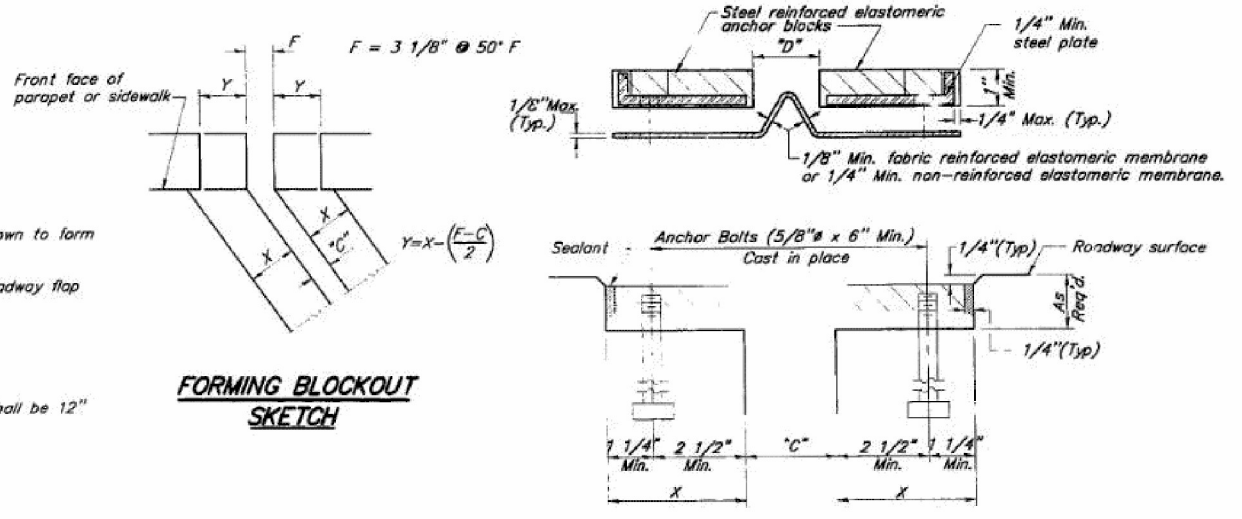
SHEET S-14 OF S-35

Joint Size	C" @ 50' F	D" @ 50' F	
	4"	3"	2 1/2" Min.

INSTALLATION NOTES

- 1 Install sponge mandrels into positions shown to form flap convolution.
- 2 Install parapet or sidewalk piece (trim roadway flap to fit before applying epoxy).
- 3 Install continuous seal in roadway.
- 4 Install anchor blocks as indicated.

NOTE A: Maximum spacing of anchor bolts shall be 12" centers.



GENERAL NOTES

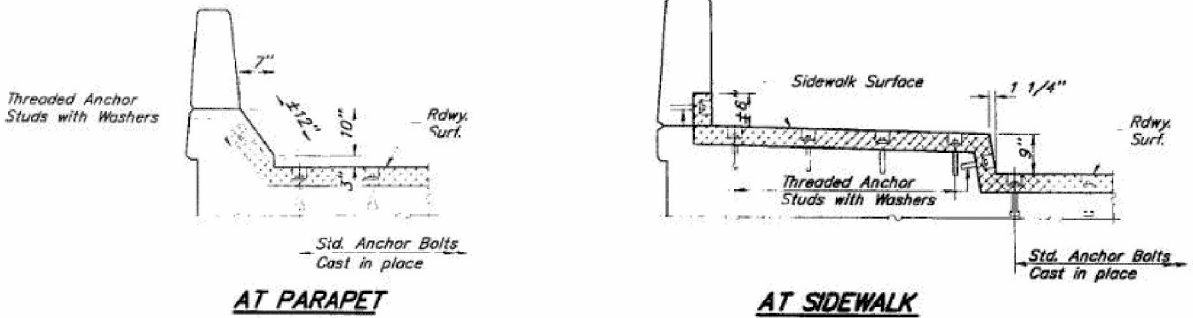
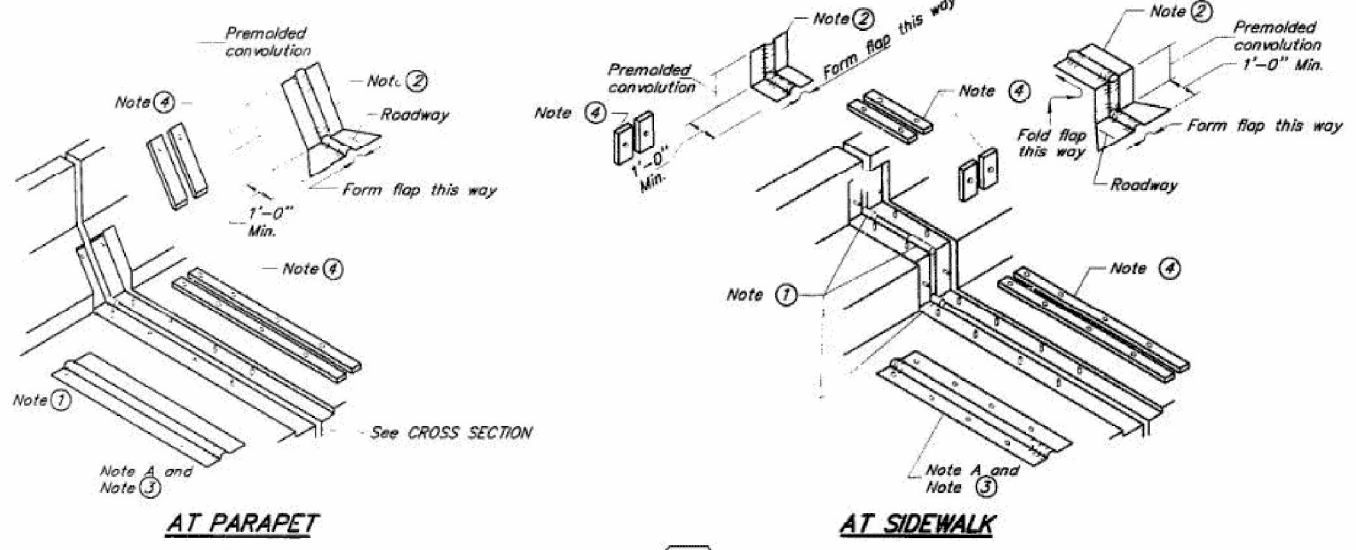
Continuous Seal Neoprene Expansion Joint shall consist of molded anchor blocks of elastomer and steel, field assembled over continuous lengths of elastomeric membrane.

The elastomeric membrane shall be premolded with a single or a double upward convolution that will have a "memory" to return to its molded position upon joint closure.

The convolution length shall be such that the extended length will not be greater than the manufactured length when the joint is fully expanded in its design range and will not protrude above the anchor blocks when the joint is fully compressed.

Joint openings shall be adjusted in accordance with Article 503.10(c) of the Standard Specifications when the deck is poured at an ambient temperature other than 50° F.

The parapet and sidewalk flaps may be furnished factory vulcanized to the roadway membrane provided the centerline of the convolution is maintained and the process and method meet the approval of the Engineer.



TYPICAL END TREATMENTS

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

CONTINUOUS SEAL TYPE NEOPRENE EXPANSION JOINT DETAILS

ILLINOIS ROUTE 83 OVER A.T. & S.F. RAILROAD

DUPAGE COUNTY

STA. 765 + 96.81 S.N. 022-1069

DATE: 2-15-96 DRAWN BY: C.L.G.

SCALE: NONE CHECKED BY: M.M.

FOR INFORMATION ONLY

B A 0 A B C D

TAMERAN

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

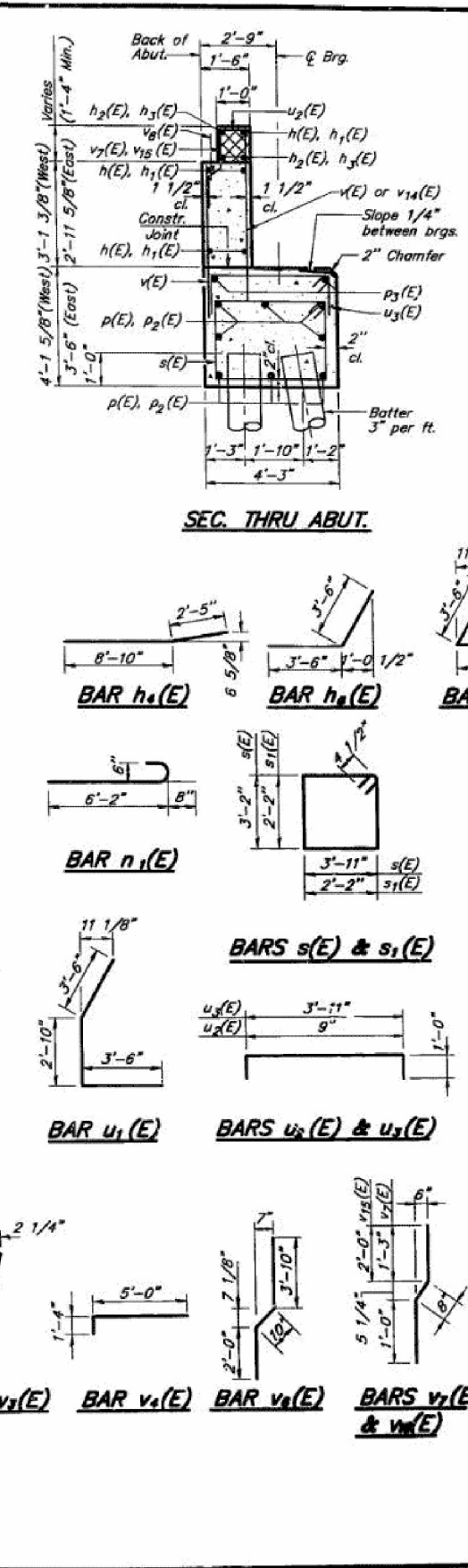
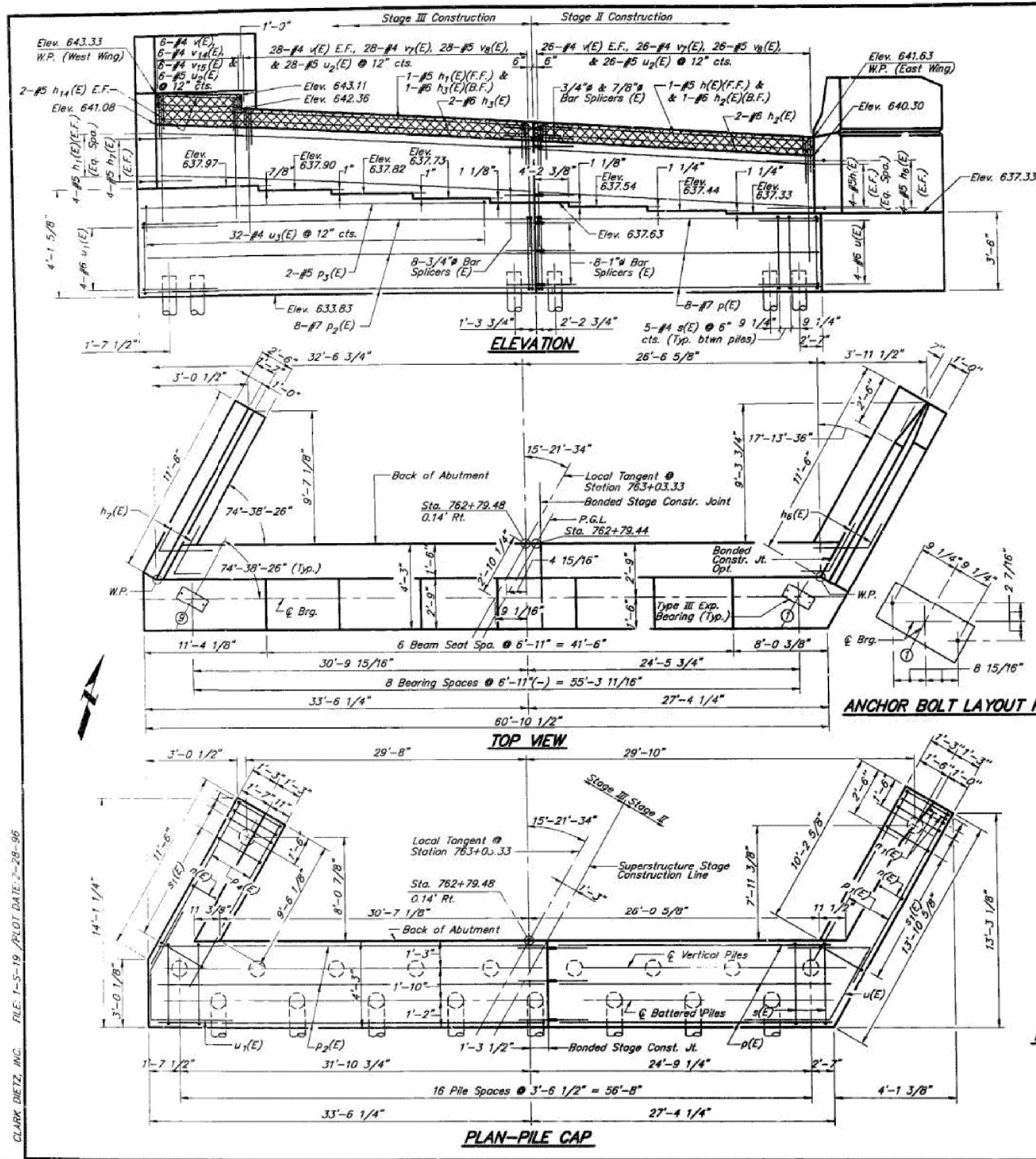
APPLICABLE AS-BUILT PLANS
STRUCTURE NO. 022-1069

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0344	FAP 0344 22 B1	DUPAGE	60	45
				CONTRACT NO. 62T12
		ILLINOIS	FED. AID PROJECT	

MODEL: Joint Details
FILE NAME: P:040058 - IDOT\040058-01-002 (ENG) - PTB_195-016 Phase II Var. VanEngineering\W0 26 - 62T12 IL-83 BNSF\500 Drawings\502 CADD Sheets\0221069-62T12 As-Built Plans.dgn
CLARK DIETZ, INC. FILE: 1-S-14
7/18/2023 12:30:19 PM

Bowman
10 S. LaSalle Street, Suite 210
Chicago, Illinois 60606
312-474-0360
www.bowman.com

USER NAME =	pskolba	DESIGNED -	AT	REVISED -	
PLOT SCALE =		CHECKED -	AJN	REVISED -	
PLOT DATE =	7/18/2023	DRAWN -	AT/PS	REVISED -	
		CHECKED -	AJN	REVISED -	



ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP. 344	8	DUPAGE	60	46

**NORTH ABUTMENT
BILL OF MATERIAL**

Bar	Total No.	Size	Length	Shape
h(E)	9	#5	25'-0"	
h1(E)	9	#5	32'-9"	
h2(E)	3	#6	25'-0"	
h3(E)	3	#6	32'-9"	
h4(E)	7	#4	11'-3"	
h5(E)	31	#4	11'-3"	
h6(E)	8	#5	7'-0"	
h7(E)	8	#5	7'-0"	
h8(E)	4	#5	4'-9"	
n(E)	21	#6	13'-8"	
n1(E)	6	#6	6'-10"	
p(E)	8	#7	25'-10"	
p1(E)	6	#7	12'-3"	
p2(E)	8	#7	34'-3"	
p3(E)	2	#5	31'-9"	
p4(E)	6	#7	11'-3"	
s(E)	81	#4	14'-11"	
s1(E)	24	#4	9'-5"	
u(E)	4	#6	14'-0"	
u1(E)	4	#6	9'-10"	
u2(E)	60	#5	2'-9"	
u3(E)	32	#4	5'-11"	
v(E)	114	#4	5'-3"	
v1(E)	9	#5	6'-11"	
v2(E)	12	#5	6'-10"	
v3(E)	3	#5	5'-11"	
v4(E)	12	#5	6'-4"	
v5(E)	12	#5	7'-6"	
v6(E)	12	#5	6'-8"	
v7(E)	54	#4	2'-11"	
v8(E)	54	#5	2'-8"	
v9(E)	6	#4	6'-0"	
v10(E)	6	#4	3'-8"	

Item	Unit	Total
Structure Excavation	Cu Yd	196.6
Concrete Structures	Cu Yd	62.3
Reinforcement Bars, Epoxy Coated	Pound	5,750
Furnishing Concrete Piles	Foot	486
Driving Concrete Piles	Foot	486
Test Pile Concrete	Each	1

- Notes:
1. Reinforcement bars designated (E) shall be epoxy coated.
 2. Space reinforcement to miss anchor bolts.
 3. See Sheet S-31 for Anchor Bolt Details.
 4. See Sheet S-28 for Bar Splicer Details.

LEGEND

Concrete to be poured after Superstructure forms have been removed.
 B.F.: Denotes Back Face of Wall
 F.F.: Denotes Front Face of Wall
 E.F.: Denotes Each Face of Wall
 Work This Sheet with S-21.

PILE DATA

Type:	Concrete
Capacity:	45T
Est. Length:	27'
No. Required:	18
Test Piles:	1

REVISIONS

NAME	DATE
Bonded Stage Constr. Jt.	3/27/96

ILLINOIS DEPARTMENT OF TRANSPORTATION
**NORTH ABUTMENT
 PLAN AND ELEVATION**
 ILLINOIS ROUTE 83 OVER A.T. & S.F. RAILROAD
 DUPAGE COUNTY
 STA. 765 + 96.81 S.N. 022-1069
 DATE: 2-15-96 DRAWN BY: C.L.G.
 SCALE: NONE CHECKED BY: M.M.

FOR INFORMATION ONLY

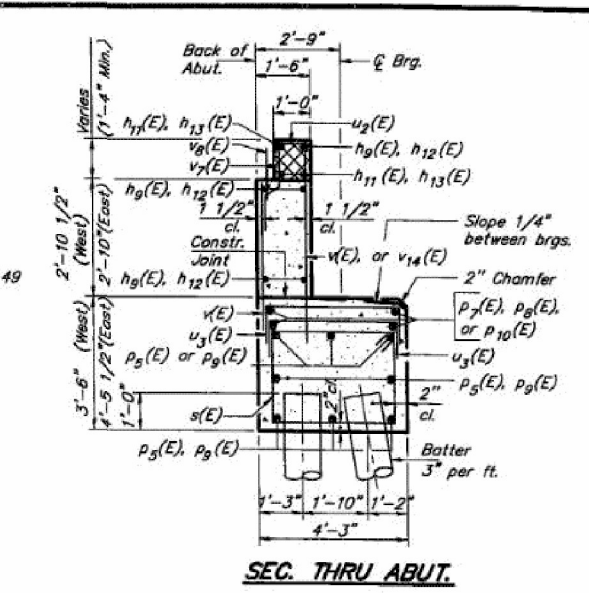
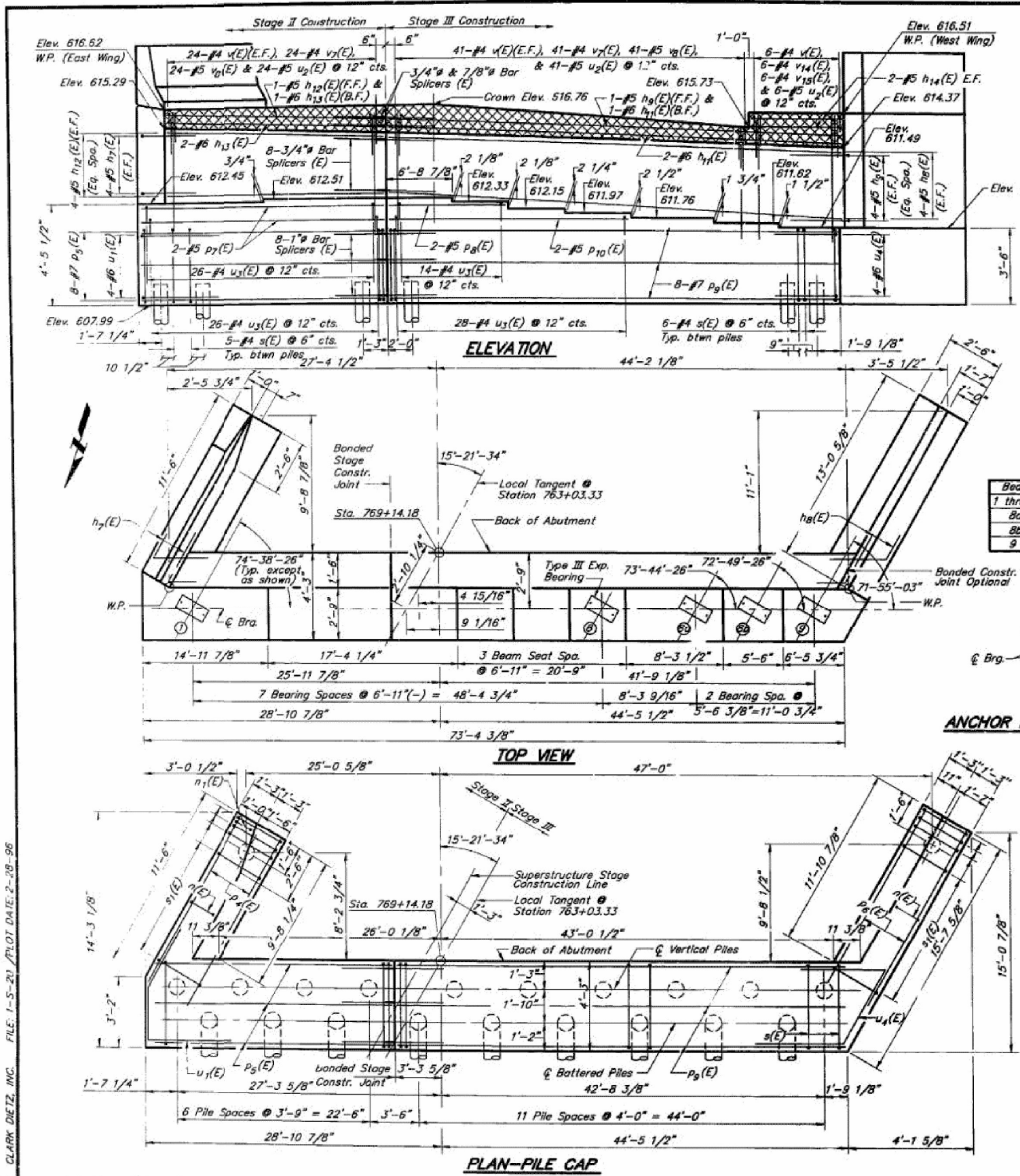
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CHECKED -	AJN	REVISIONS -			
PLOT SCALE =		DRAWN -	AT/PS	REVISED -	
PLOT DATE =	7/18/2023	CHECKED -	AJN	REVISED -	

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

APPLICABLE AS-BUILT PLANS
 STRUCTURE NO. 022-1069

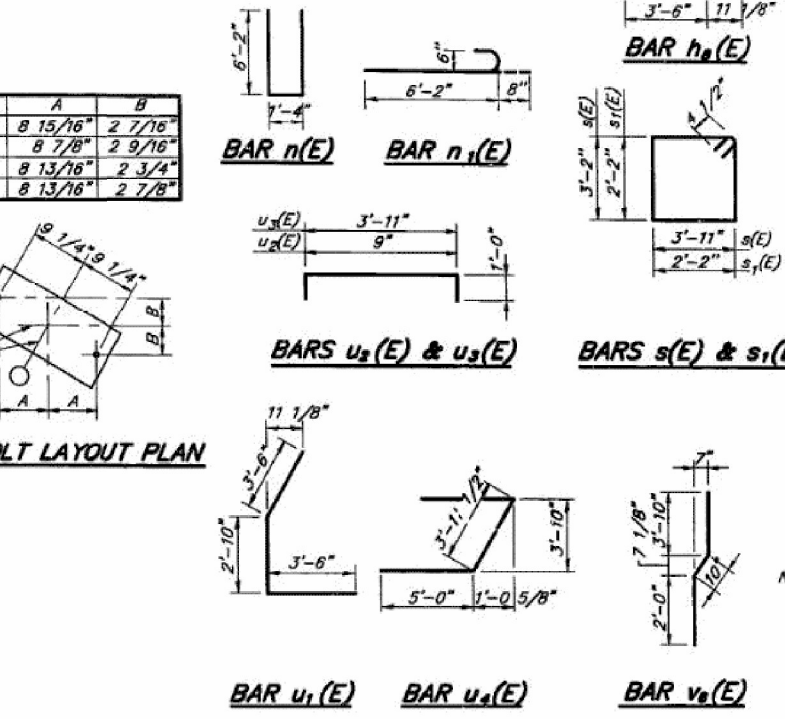
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0344	FAP 0344 22 BI	DUPAGE	60	46
CONTRACT NO.			62T12	
ILLINOIS FED. AID PROJECT				

MODEL: North Abutment
 FILE NAME: P:040058 - IDOT\040058-01-002 (ENG) - PTB 195-016 Phase II Var. VanEngineering\W0 26 - 62T12 IL-83 BMSF500 Drawings\502 Drawings\502 CADD Sheets\0221069-62T12 As-Built Plans.dgn
 CLARK DIETZ, INC. FILE: 1-5-19 / PLOT DATE: 2-28-96
 7/18/2023 12:30:21 PM



Beam	A	B
1 thru 8	8 15/16"	2 7/16"
8a	8 7/8"	2 9/16"
8b	8 13/16"	2 3/4"
9	8 13/16"	2 7/8"

ANCHOR BOLT LAYOUT PLAN



**SOUTH ABUTMENT
BILL OF MATERIAL**

Bar	Total No.	Size	Length	Shape
h1(E)	7	#4	11'-3"	
h2(E)	11	#4	11'-3"	
h3(E)	8	#5	7'-0"	
h4(E)	8	#5	7'-0"	
h5(E)	9	#5	47'-2"	
h6(E)	20	#4	12'-8"	
h7(E)	3	#5	47'-2"	
h8(E)	9	#5	23'-5"	
h9(E)	3	#5	23'-5"	
h10(E)	4	#5	4'-9"	
h11(E)	23	#5	13'-8"	
h12(E)	6	#5	6'-10"	
h13(E)	6	#7	11'-3"	
h14(E)	8	#7	25'-4"	
h15(E)	6	#7	13'-4"	
h16(E)	4	#5	25'-4"	
h17(E)	2	#5	13'-5"	
h18(E)	8	#7	47'-6"	
h19(E)	2	#5	27'-3"	
s(E)	102	#4	14'-11"	
s1(E)	27	#4	9'-5"	
u1(E)	4	#6	9'-10"	
u2(E)	71	#5	2'-9"	
u3(E)	94	#4	5'-11"	
u4(E)	4	#6	14'-0"	
v1(E)	142	#4	5'-3"	
v2(E)	14	#6	6'-8"	
v3(E)	71	#4	2'-11"	
v4(E)	71	#5	2'-6"	
v5(E)	9	#6	6'-5"	
v6(E)	12	#6	6'-9"	
v7(E)	3	#6	5'-5"	
v8(E)	14	#6	3'-4"	
v9(E)	14	#6	6'-11"	
v10(E)	6	#4	6'-0"	
v11(E)	6	#4	3'-8"	
Item	Unit	Total		
Structure Excavation	Cu Yd	242.0		
Concrete Structures	Cu Yd	73.9		
Reinforcement Bars, Epoxy Coated	Pound	7,040		
Furnishing Concrete Piles	Foot	546		
Driving Concrete Piles	Foot	546		

- Notes:
1. Reinforcement bars designated (E) shall be epoxy coated.
 2. Space reinforcement to miss anchor bolts.
 3. See Sheet S-31 for Anchor Bolt Details.
 4. See Sheet S-28 for Bar Splicer Details.

LEGEND

Concrete to be poured after Superstructure forms have been removed.
 B.F. : Denotes Back Face of Wall
 F.F. : Denotes Front Face of Wall
 E.F. : Denotes Each Face of Wall
 Work This Sheet with S-21.

PILE DATA

Type: Concrete
 Capacity: 45T
 Est. Length: 26'
 No. Required: 21
 Do not overdrive piles.

REVISIONS	NAME	DATE
Bonded Stage Constr. Jt.		3/27/98

ILLINOIS DEPARTMENT OF TRANSPORTATION
**SOUTH ABUTMENT
 PLAN AND ELEVATIONS**
 ILLINOIS ROUTE 83 OVER A.T. & S.F. RAILROAD
 DUPAGE COUNTY
 STA. 765 + 96.81 S.N. 022-1C39
 DATE: 2-15-95 DRAWN BY: C.L.G.
 SCALE: NONE CHECKED BY: M.M.

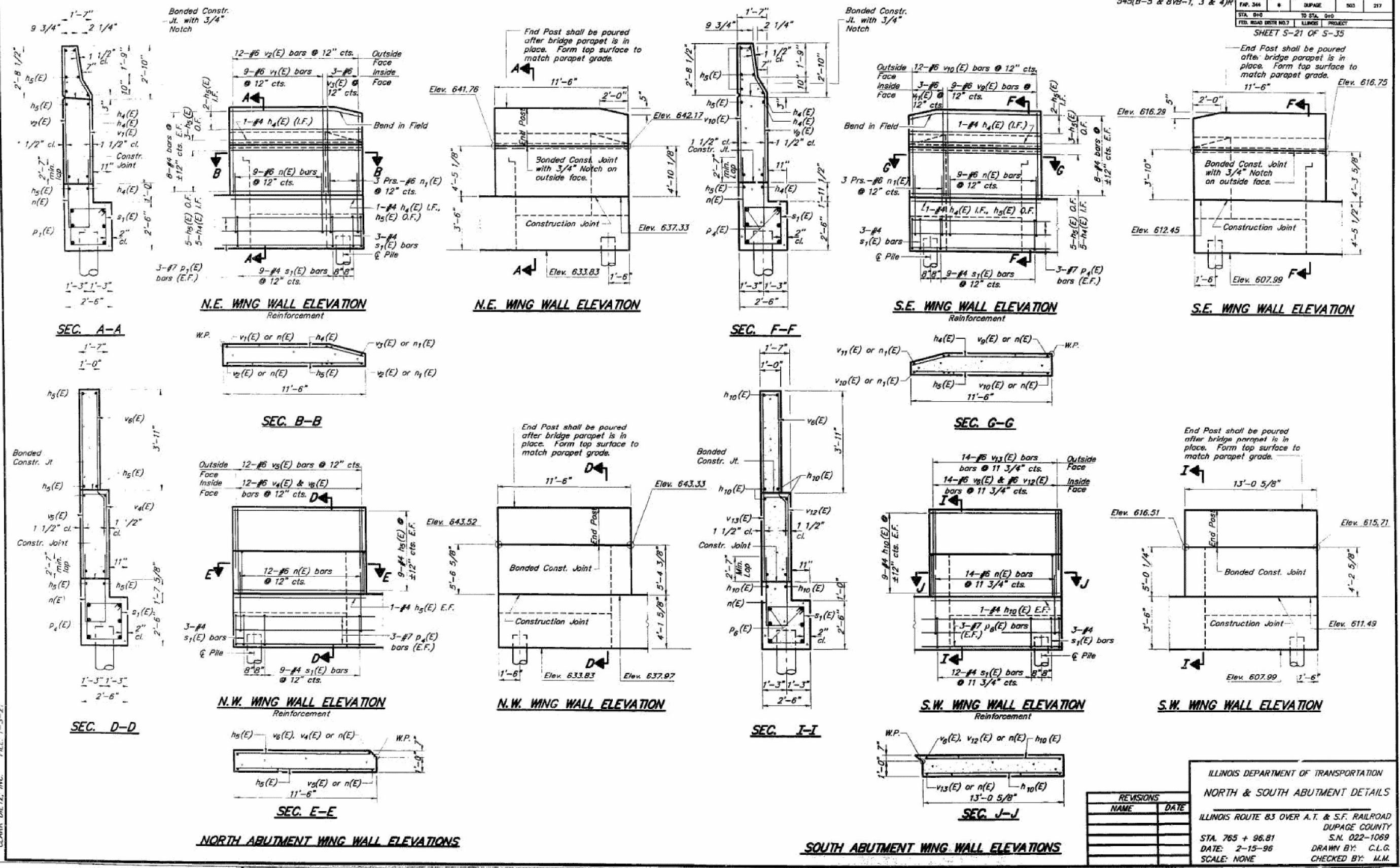
FOR INFORMATION ONLY

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

APPLICABLE AS-BUILT PLANS
 STRUCTURE NO. 022-1069

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0344	FAP 0344 22 BI	DUPAGE	60	47
CONTRACT NO. 62T12			ILLINOIS FED. AID PROJECT	

MODEL: South Abutment
 FILE NAME: P-040058-01-002 (ENG) - PTB_195-0116 Phase II Var. VarEngineeringW0 26 - 62T12 IL-83 BMSF500 Drawings502 CADD Sheets0221069-62T12 As-Built Plans.dgn
 CLARK DETZ, INC. FILE: I-5-21 PLOT DATE: 2-28-98
 Bowman 10 S. LaSalle Street, Suite 210 Chicago, Illinois 60606 312-454-0360 www.bowman.com
 USER NAME = pskolba DESIGNED - AT CHECKED - AJN PLOT SCALE = DRAWN - AT/PS PLOT DATE = 7/18/2023 CHECKED - AJN REVISED - REVISED - REVISED - REVISED -



ILLINOIS DEPARTMENT OF TRANSPORTATION
 NORTH & SOUTH ABUTMENT DETAILS
 ILLINOIS ROUTE 83 OVER A.T. & S.F. RAILROAD
 DUPAGE COUNTY
 STA. 765 + 96.81 S.N. 022-1069
 DATE: 2-15-96 DRAWN BY: C.L.G.
 SCALE: NONE CHECKED BY: M.M.

REVISIONS	
NAME	DATE

FOR INFORMATION ONLY

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

APPLICABLE AS-BUILT PLANS
 STRUCTURE NO. 022-1069

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0344	FAP 0344 22 B1	DUPAGE	60	48
CONTRACT NO. 62T12				

SHEET 27 OF 31 SHEETS

ILLINOIS FED. AID PROJECT

MODEL: Abutment Details
 FILE NAME: P:040058 - IDOT040058-01-002 (ENG) - PTB 195-016 Phase II Var. VanEngineeringW0 26 - 62T12 IL-83 BMSF500 Drawings502 CADD Sheets0221069-62T12 As-Built Plans.dgn
 CLARK DIETZ, INC. FILE: 1-S-21
 7/18/2023 12:30:26 PM

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP. 044	#	DUPAGE	60	49
STA. 765	TO STA. 765	ALLEN	PROJECT	

SHEET S-23 OF S-35
PIER #2 BILL OF MATERIAL

Bar	Total No.	Size	Length	Shape
n100(E)	6	#7	27'-5"	
n101(E)	6	#7	32'-1"	
n102(E)	5	#8	28'-11"	
n103(E)	5	#8	26'-7"	
n104(E)	10	#5	25'-0"	
n105(E)	10	#5	26'-7"	
n100(E)	56	#9	9'-0"	
n101(E)	8	#5	8'-8"	
p100(E)	7	#9	31'-8"	
p101(E)	7	#9	29'-4"	
p102(E)	7	#9	32'-1"	
p103(E)	7	#7	33'-9"	
p200(E)	2	#5	12'-9"	
p201(E)	2	#5	7'-6"	
s100(E)	100	#5	15'-3"	
s101(E)	16	#5	9'-8"	
s102(E)	12	#5	8'-10"	
s103(E)	50	#5	13'-10"	
s104(E)	50	#5	13'-4"	
sp200(E)	4	#4	11'-0"	
t100(E)	58	#5	8'-8"	
u100(E)	20	#5	9'-9"	
u200(E)	21	#4	4'-6"	
v200(E)	56	#9	14'-2"	
w100(E)	8	#5	28'-0"	
w101(E)	8	#5	30'-0"	
Item	Unit	Total		
Structure Excavation	Cu Yd	173.0		
Concrete Structures	Cu Yd	147.9		
Reinforcement Bars, Epoxy Coated	Pound	15,190		
Furnishing Steel Piles HP10x42	Foot	442		
Driving Steel Piles	Foot	442		
Test Pile Steel HP 10x42	Each	1		
Metal Shoes	Each	17		

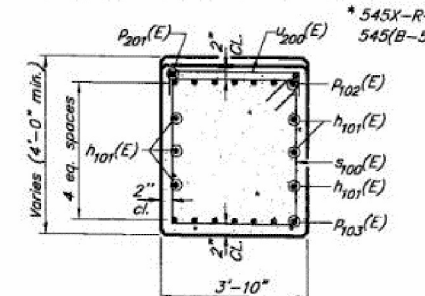
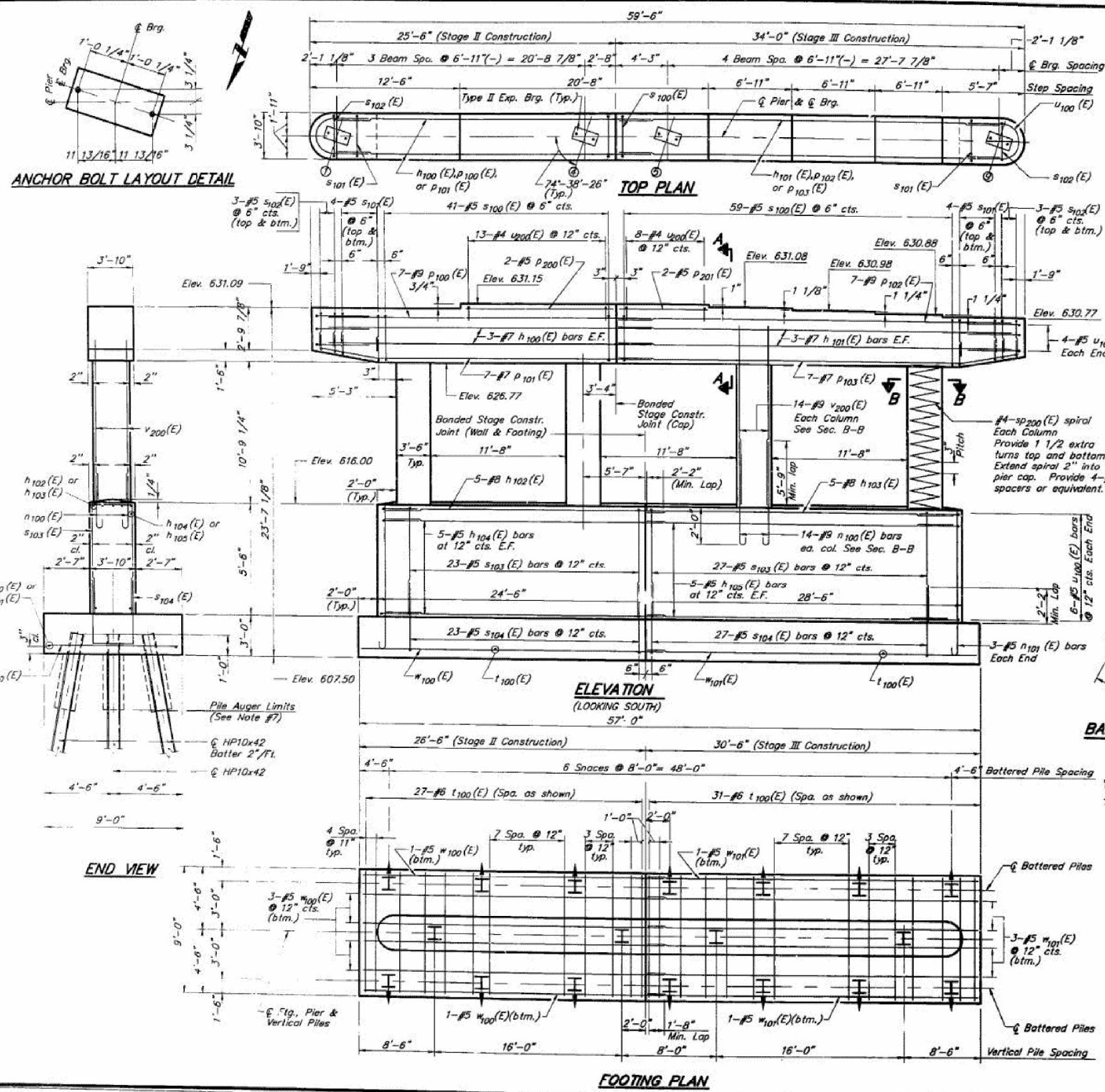
- NOTES:
- Space Reinforcement in cap to miss anchor bolts.
 - All edges shall have standard 3/4" ch. nfer except as noted.
 - Four steps monolithically with cap.
 - Min. Spiral lap=1 1/2 turns.
 - Reinforcement bars designated (E) shall be epoxy coated.
 - Holes shall be augered to a minimum depth of 5'-0" below the bottom of adjacent Pipeline at all pile locations. Steel piles shall be set in the holes and driven as required. Upon completion of pile driving, the holes shall be filled with sand. Cost incidental to "Driving Steel Piles".

LEGEND
E.F. : Denotes Each Face

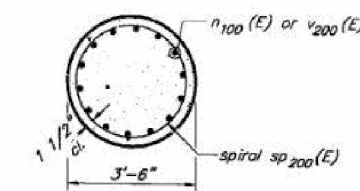
ILLINOIS DEPARTMENT OF TRANSPORTATION
PIER #2
PLAN, NOTES AND ELEVATION
ILLINOIS ROUTE 83 OVER A.T. & S.F. RAILROAD
DUPAGE COUNTY
STA. 765 + 96.81 S.N. 022-1069
DATE: 2-15-96 DRAWN BY: C.L.G.
SCALE: NONE CHECKED BY: M.M.

REVISIONS	
NAME	DATE
Modified Note 6	3/27/96

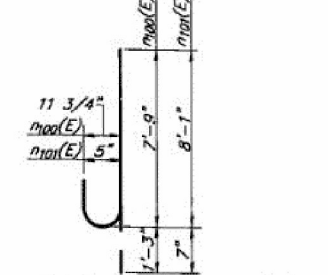
PILE DATA
Type: HP10x42 w/ Metal Shoes
Capacity: 52T Design Capacity Driven to 78T Bearing
Est. Length: 26'
No. Required: 17
Test Pile: 1
Drive Test Pile to 84T Bearing



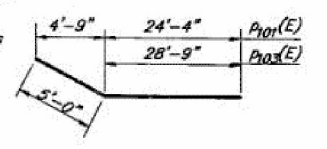
SEC. A-A



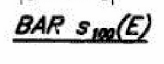
SEC. B-B



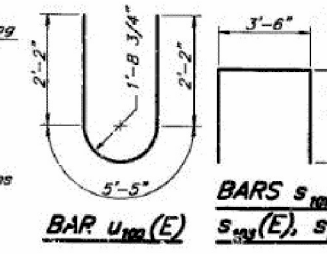
BARS n100(E), n101(E)



BARS p101(E) or p102(E)



BAR s100(E)



BARS s101(E), s102(E), s103(E), s104(E), u200(E)

FOR INFORMATION ONLY

TAMERAN
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

APPLICABLE AS-BUILT PLANS
STRUCTURE NO. 022-1069

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0344	FAP 0344 22 BI	DUPAGE	60	49
			CONTRACT NO. 62T12	

Bowman
10 S. LaSalle Street, Suite 210
Chicago, Illinois 60606
312-454-0360
www.bowman.com

USER NAME =	pskoliba	DESIGNED -	AT	REVISED -	
PLOT SCALE =		CHECKED -	AJN	REVISED -	
PLOT DATE =	7/18/2023	DRAWN -	AT/PS	REVISED -	
		CHECKED -	AJN	REVISED -	

MODEL: Pier 2
FILE NAME: P:040058 - IDOT\040058-01-002 (ENG) - PTB_195-016 Phase II Var. VanEngineering\W0 26 - 62T12 IL-83 BMSF500 Drawings\502 CADD Sheets\0221069-62T12 As-Built Plans.dgn
CLARK DIETZ, INC. FILE: 1-S-23 PLOT DATE: 2-28-96

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 344	#	DUPAGE	503	220
STA. 0+0	TO STA. 0+0			
FED. ROAD ORDER NO. 7	BLK/MS	PROJECT		

PIER #3 BILL OF MATERIAL

Bar	Total No.	Size	Length	Shape
h 100(E)	6	#7	27'-5"	
h 101(E)	6	#7	32'-1"	
h 300(E)	5	#8	30'-11"	
h 301(E)	5	#8	24'-7"	
h 302(E)	18	#5	27'-0"	
h 303(E)	18	#5	24'-7"	
n 300(E)	96	#10	10'-10"	
n 301(E)	6	#9	10'-8"	
p 100(E)	7	#9	31'-8"	
p 102(E)	7	#9	32'-1"	
p 200(E)	2	#5	12'-9"	
p 201(E)	2	#5	7'-6"	
p 300(E)	2	#5	23'-7"	
p 301(E)	7	#8	29'-2"	
p 302(E)	2	#5	21'-3"	
p 303(E)	7	#8	33'-9"	
s 100(E)	100	#5	15'-3"	
s 101(E)	16	#5	9'-8"	
s 102(E)	12	#5	8'-10"	
s 300(E)	92	#9	23'-2"	
s 301(E)	92	#9	21'-6"	
sp 300(E)	4	#4	15'-3"	
t 300(E)	36	#7	16'-2"	
t 301(E)	72	#9	16'-2"	
u 100(E)	28	#5	9'-9"	
u 200(E)	67	#4	4'-6"	
v 300(E)	96	#10	18'-4"	
v 301(E)	6	#9	9'-10"	
w 300(E)	14	#5	30'-0"	
w 301(E)	14	#5	28'-2"	
Item	Unit	Total		
Structure Excavation	Cu Yd	251.0		
Concrete Structures	Cu Yd	254.5		
Reinforcement Bars, Epoxy Coated	Pound	42,020		
Furnishing Steel Piles HP12x53	Foot	690		
Driving Steel Piles	Foot	690		
Metal Shoes	Each	30		

** Length is height of spiral.
*** Weight includes spacers for spirals.

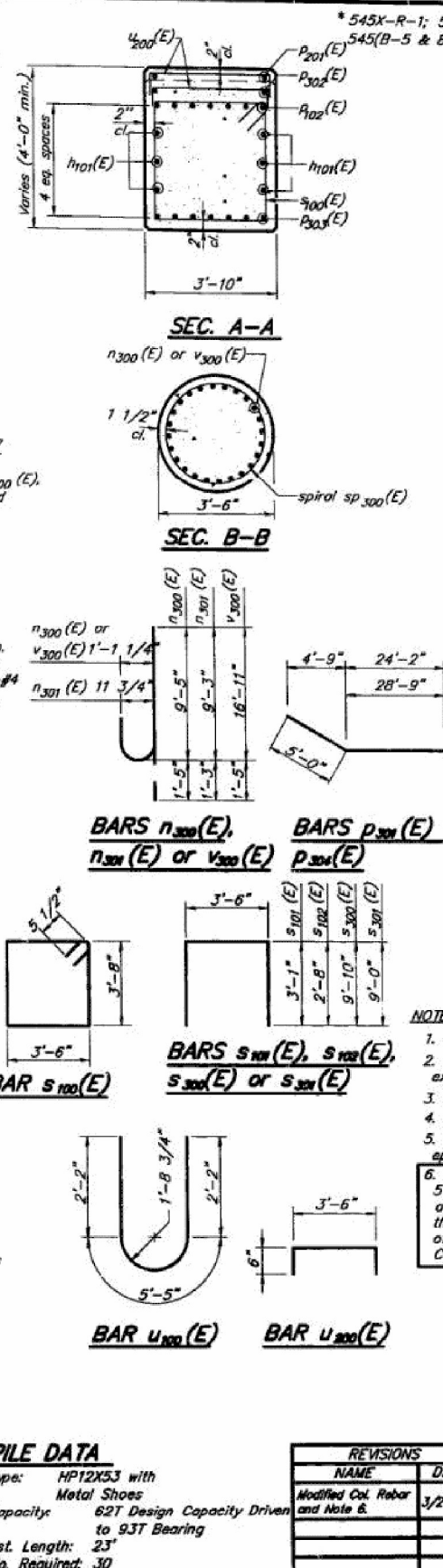
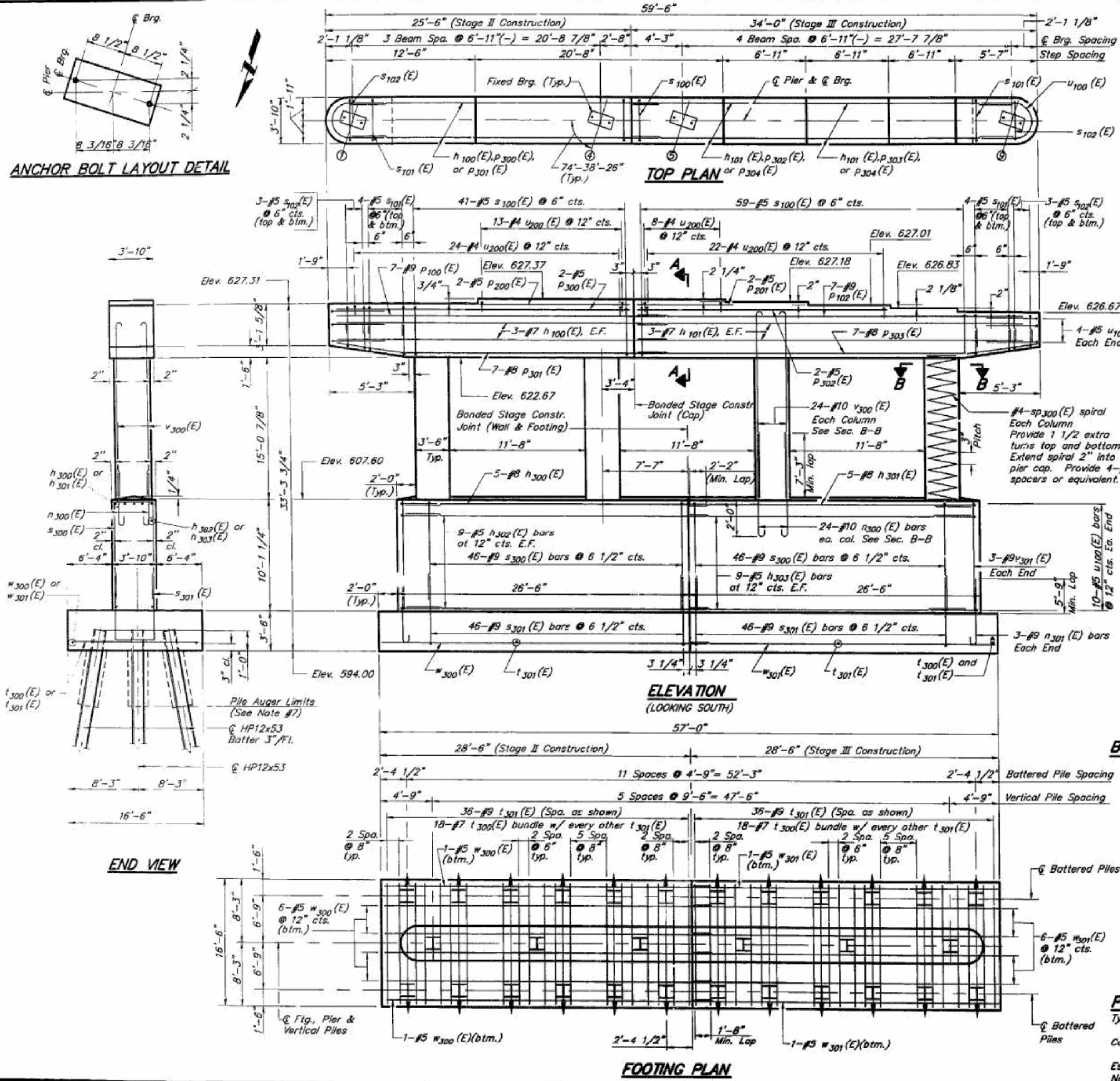
- NOTES:**
- Space Reinforcement in cap to miss anchor bolts.
 - All edges shall have standard 3/4" chamfer except as noted.
 - Pour steps monolithically with cap.
 - Min. Spiral lap=1 1/2 turns.
 - Reinforcement bars designated (E) shall be epoxy coated.
 - Holes shall be augered to a minimum depth of 5'-0" below the bottom of adjacent Pipeline at all pile locations. Steel piles shall be set in the holes and driven as required. Upon completion of pile driving, the holes shall be filled with sand. Cas: incidental to "Driving Steel Piles".

LEGEND
E.F. : Denotes Each Face

ILLINOIS DEPARTMENT OF TRANSPORTATION

PIER #3
PLAN, NOTES AND ELEVATION
ILLINOIS ROUTE 83 OVER A.T. & S.F. RAILROAD
DUPAGE COUNTY

STA. 765 + 96.81 S.N. 022-1069
DATE: 2-15-96 DRAWN BY: C.L.G.
SCALE: NONE CHECKED BY: M.M.



PILE DATA

Type: HP12x53 with Metal Shoes
Capacity: 62T Design Capacity Driven to 93T Bearing
Est. Length: 23'
No. Required: 30

REVISIONS	
NAME	DATE
Modified Col. Rebar and Note 6.	3/27/96

FOR INFORMATION ONLY

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

APPLICABLE AS-BUILT PLANS
STRUCTURE NO. 022-1069

SHEET 29 OF 31 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0344	FAP 0344 22 BI	DUPAGE	60	50
CONTRACT NO. 62T12			ILLINOIS FED. AID PROJECT	

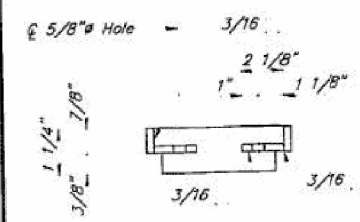
MODEL: Pier 3
 FILE NAME: P:040058 - ID:07040058-01-002 (ENG) - PTB 195-016 Phase II Var. VanEngineeringWVO 26 - 62T12 IL-83 BMSF500 Drawings502 CADD Sheets0221069-62T12 As-Built Plans.dgn
 CLARK DIETZ, INC. FILE: 1-S-24 / PLOI.DAT: 2-18-96

* 545X-R-1; 545VB-2-BY;
545(B-5 & 8VB-1, 3 & 4)R

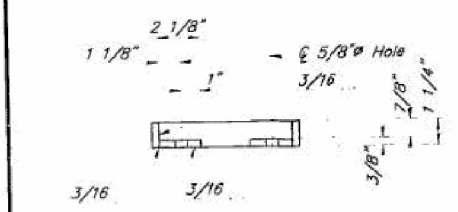
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 344	#	DUPAGE	603	223
STA. 0+00	10 STA. 0+00	10 STA. 0+00		
FED. ROAD DIST. NO. 7 PROJECT				
SHEET 5-29 OF 5-35				

BILL OF MATERIAL

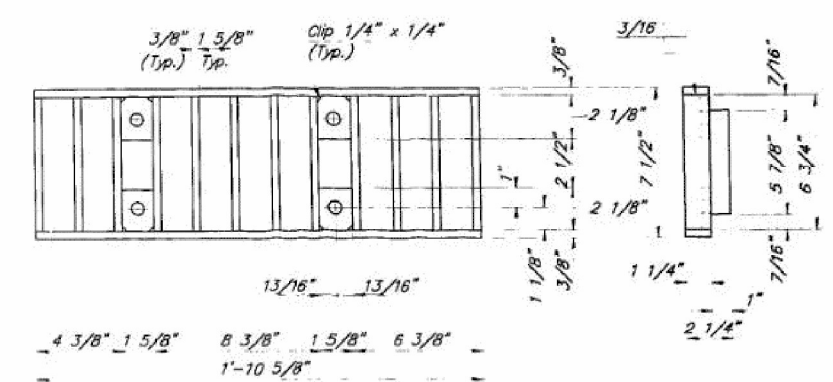
ITEM	UNIT	QUANTITY
Drainage Scuppers (Special)	Each	12



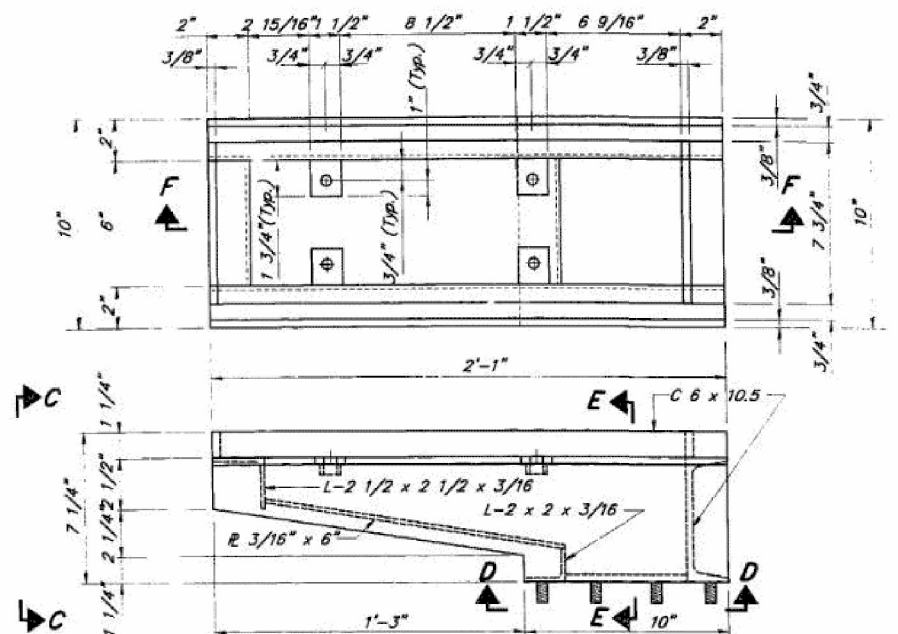
SECTION A-A



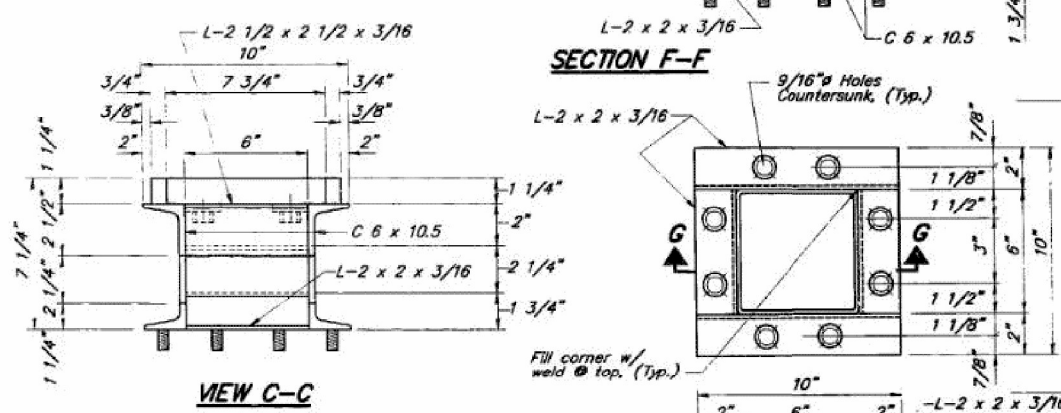
SECTION B-B



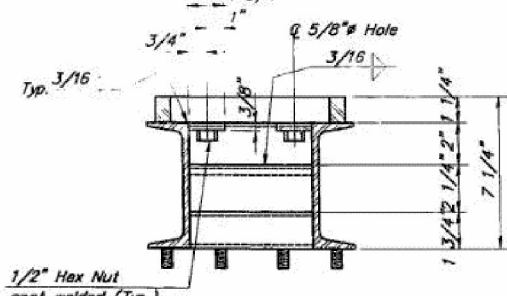
GRATE



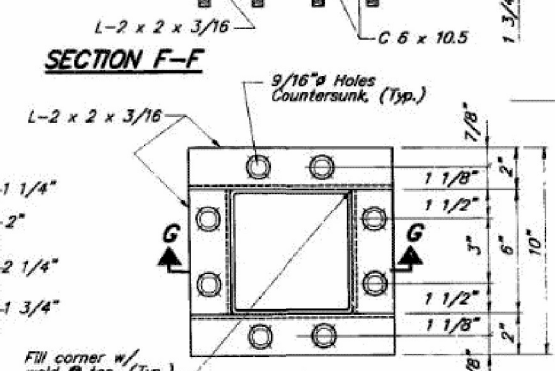
FRAME



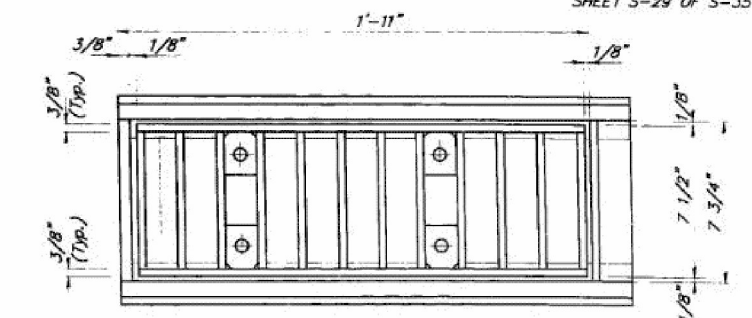
VIEW C-C



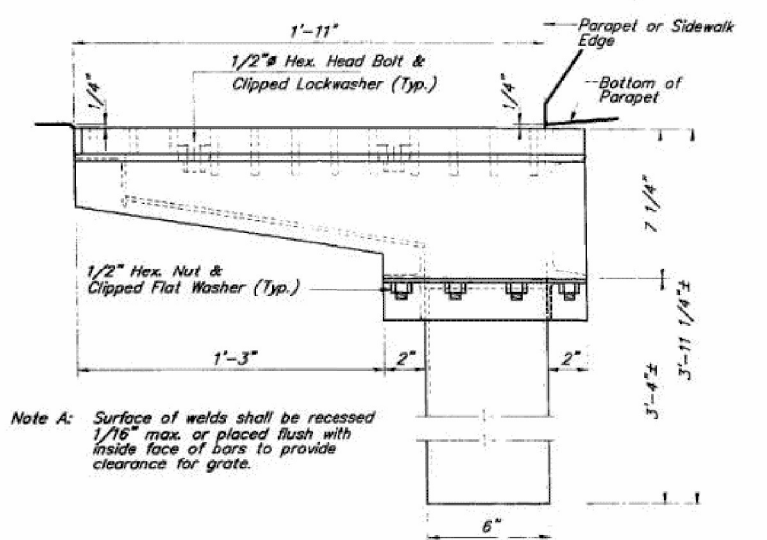
SECTION E-E



DOWNSPOUT



DRAINAGE SCUPPER



VIEW D-D

These dimensions are typ. all around

Notes:
Hollow Structural Steel Tubing shall conform to the requirements of ASTM designation A-500 Grade B, or A-501 Structural Steel Tubing.
All other shapes, plates and bars shall conform to the requirements of AASHTO M-270 Grade 36.
All bolts, washers and nuts shall be galvanized in accordance with AASHTO M232.
Bolts, studs, washers and nuts shall conform to the requirements of ASTM A-307.
The Grate, Frame and Downspout shall be galvanized after shop fabrication in accordance with AASHTO M-111 AND ASTM A-385.
Cost of the Grate, Frame, Downspout, Bolts, Washers and Nuts including complete installation of Scupper shall be paid for at the unit bid price for "DRAINAGE SCUPPERS (SPECIAL)".
The contractor may use at his option steel drainage scuppers or cast iron drainage scuppers.
For Scupper locations, see sheet 5-1.

REVISIONS

NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
STEEL DRAINAGE SCUPPER
ILLINOIS ROUTE 83 OVER A.T. & S.F. RAILROAD
DUPAGE COUNTY
STA. 765 + 96.81 S.N. 022-1069
DATE: 2-15-96 DRAWN BY: C.L.G.
SCALE: NONE CHECKED BY: M.M.

FOR INFORMATION ONLY

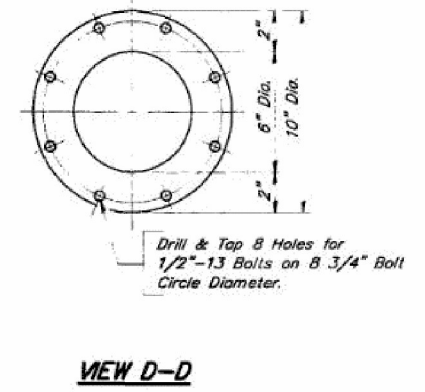
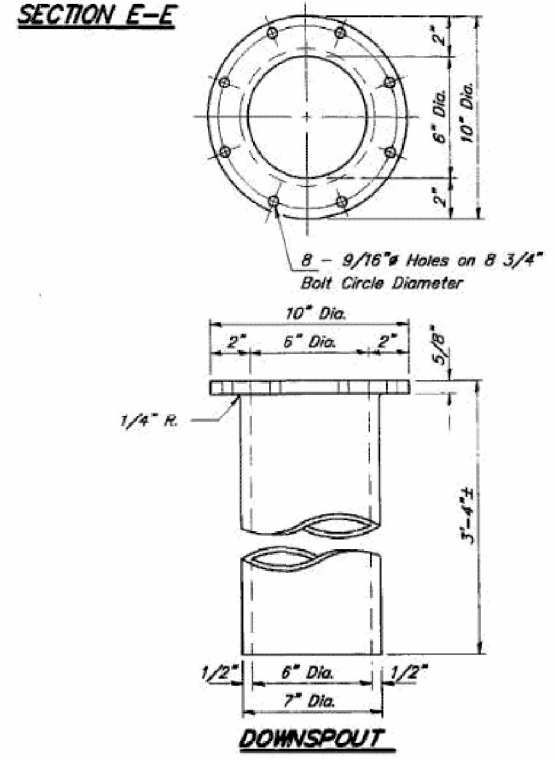
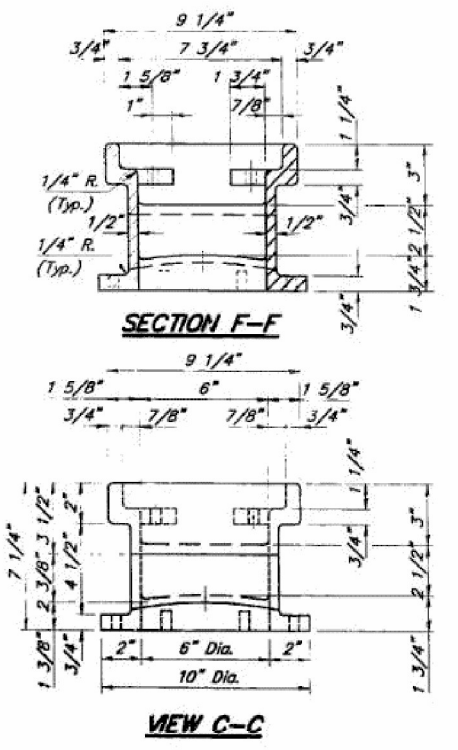
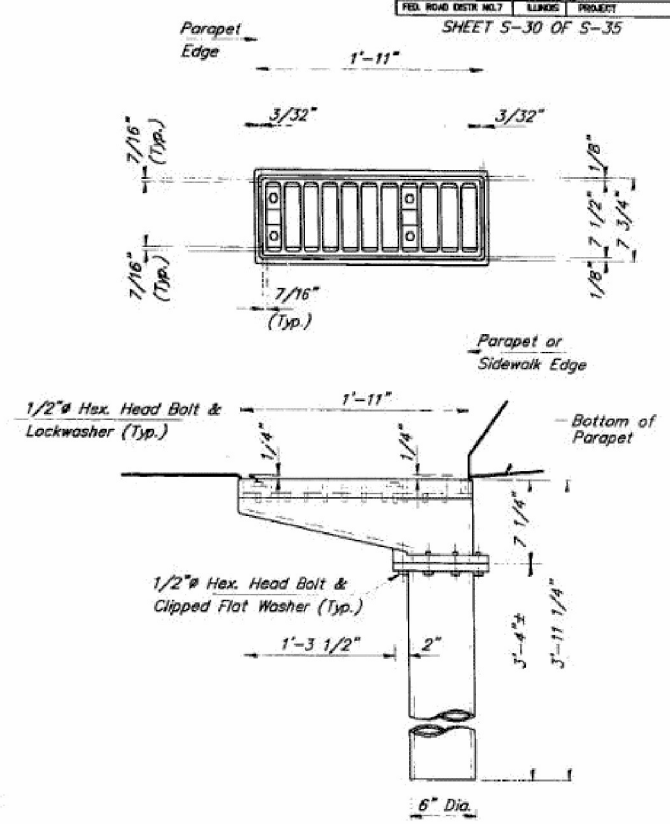
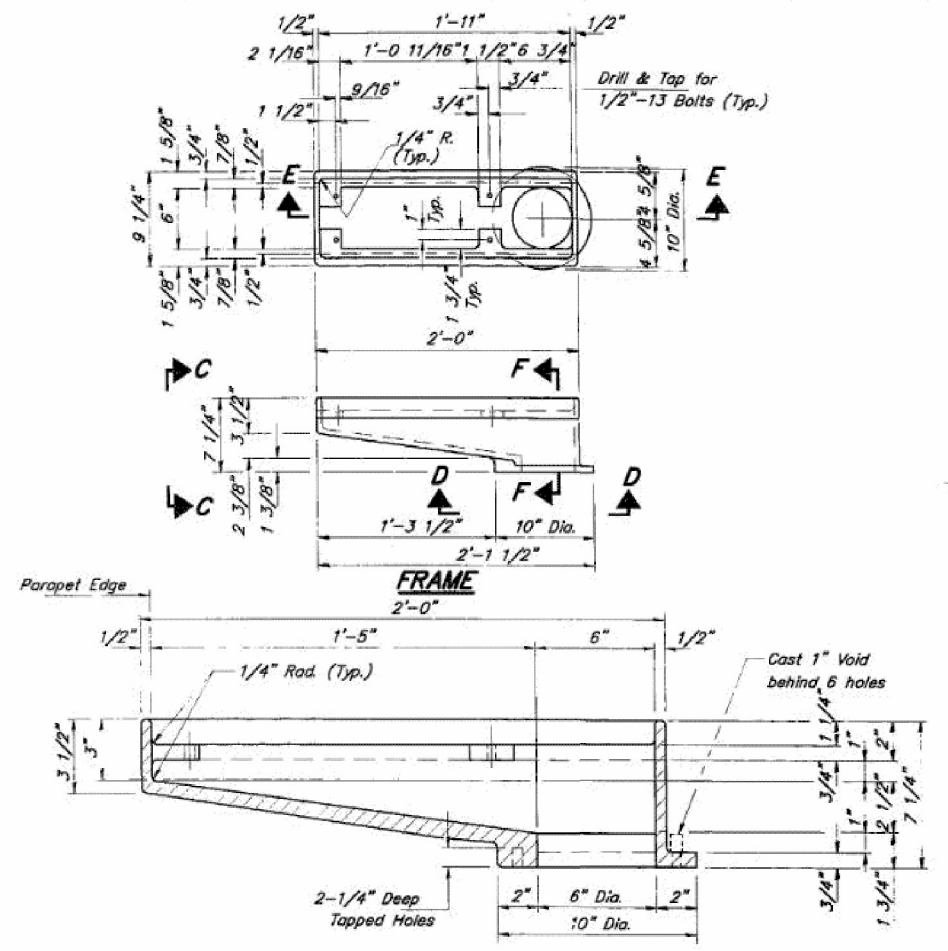
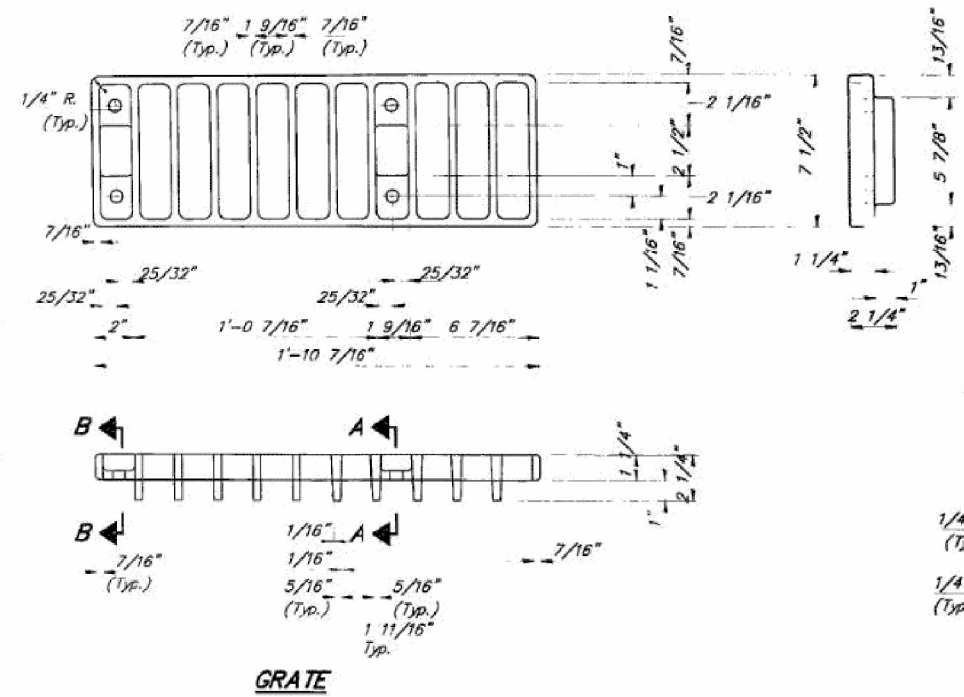
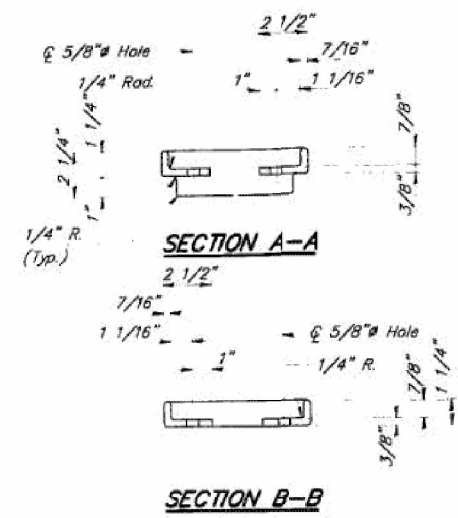
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

APPLICABLE AS-BUILT PLANS
STRUCTURE NO. 022-1069

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0344	FAP 0344 22 B1	DUPAGE	60	51
CONTRACT NO. 62T12				

MODEL: Steel Scupper
FILE NAME: P-040058 - IDOT040058-01-002 (ENG) - PTB 195-016 Phase II Var. VarEngineeringWVO 26 - 62T12 IL-83 BMSF500 Drawings502 CADD Sheets0221069-62T12 As-Built Plans.dgn
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ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP. 344	8	DUPAGE	60	52
STA. 840	TO STA. 840			
FED. ROAD DIST. NO. 7	LLINOIS	PROJECT		
SHEET 5-30 OF 5-35				



Notes: All cast iron parts shall be gray iron conforming to the requirements of AASHTO M105, Class 30.
 Bolts and washers shall conform to the requirements of ASTM A307.
 All bolts and washers shall be galvanized in accordance with AASHTO M232.
 As an alternate bolts and washers may be stainless steel conforming to the requirements of ASTM A193M, Type 304.
 Cost of the Grate, Frame, Downspout, bolts and washers including complete installation of Scupper will be paid for at the unit bid price each for "DRAINAGE SCUPPERS (SPECIAL)."
 The contractor may use at his option steel drainage scuppers or Cast Iron drainage scuppers.
 For Scupper locations, see sheet S-1.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 ALTERNATE
GAST IRON DRAINAGE SCUPPER
 ILLINOIS ROUTE 83 OVER A.T. & S.F. RAILROAD
 DUPAGE COUNTY
 S.N. 022-1069
 STA. 765 + 96.81
 DATE: 2-15-96
 SCALE: NONE
 DRAWN BY: C.L.G.
 CHECKED BY: M.M.

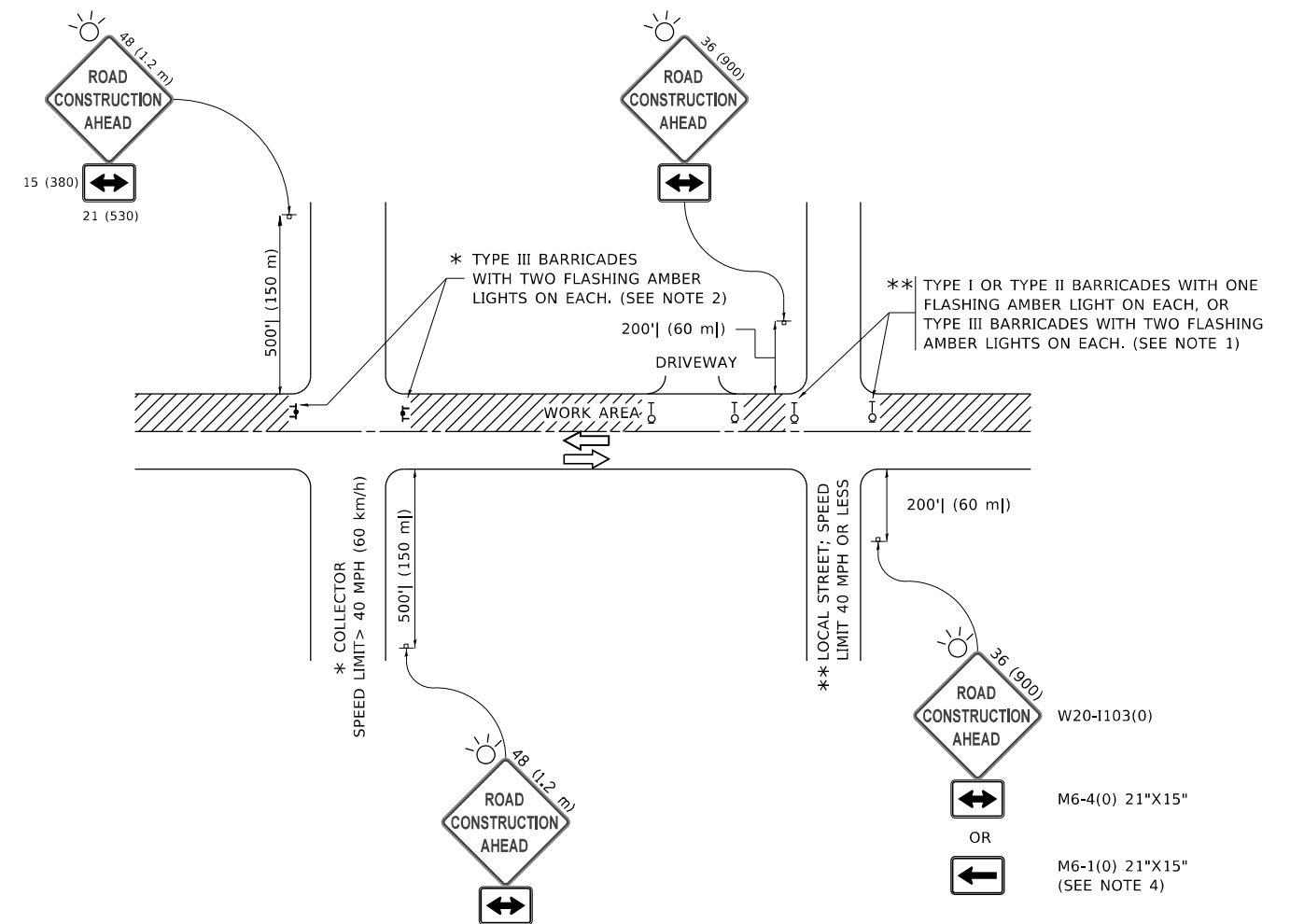
FOR INFORMATION ONLY

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

APPLICABLE AS-BUILT PLANS
 STRUCTURE NO. 022-1069

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0344	FAP 0344 22 B1	DUPAGE	60	52
CONTRACT NO. 62T12				
ILLINOIS FED. AID PROJECT				

MODEL: Cast Iron Scupper
 FILE NAME: P:040058 - ID:07040058-01-002 (ENG) - PTB 195-016 Phase II Var. Var:EngineeringWVO 26 - 62T12 IL-83 BMSF500 Drawings502 CADD Sheets0221069-62T12 As-Built Plans.dgn
 CLARK DIETZ, INC. FILE: I-S-30
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NOTES:

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

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

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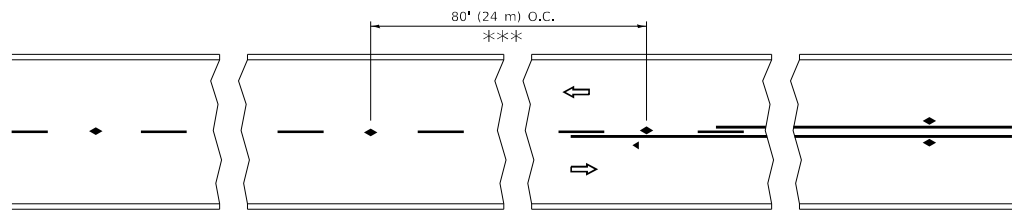
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PLOT DATE = 3/4/2019	DATE - 06-89	REVISED - A. SCHUETZE 07-01-13
		REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

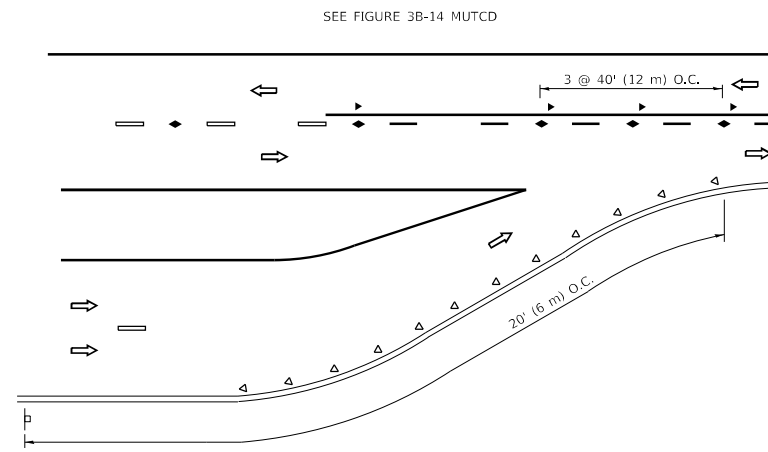
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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TC-10			CONTRACT NO. 62T12	
ILLINOIS FED. AID PROJECT				

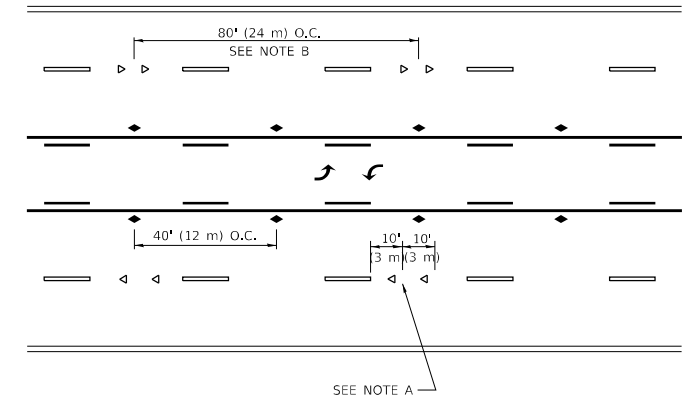


*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

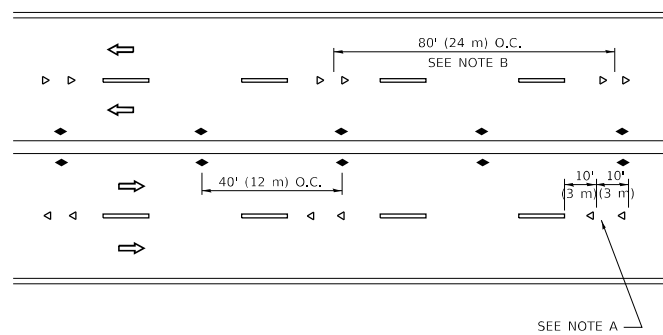
TWO-LANE/TWO-WAY



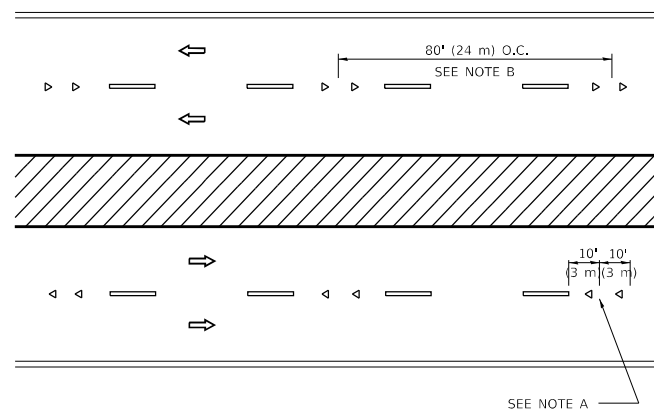
LANE REDUCTION TRANSITION



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

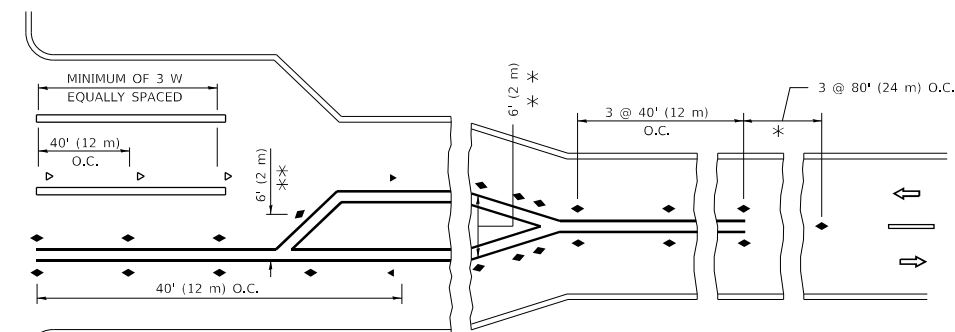
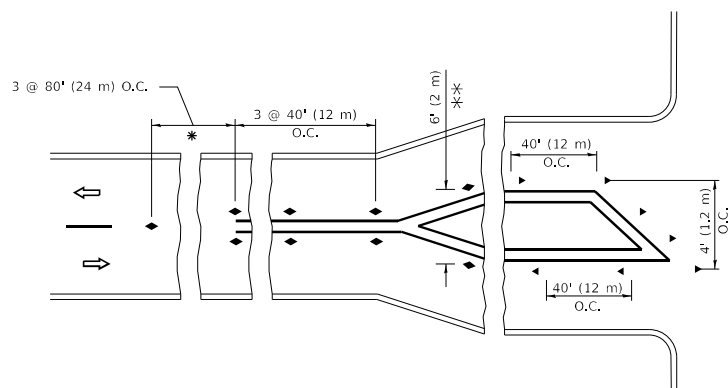
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◀ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

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.

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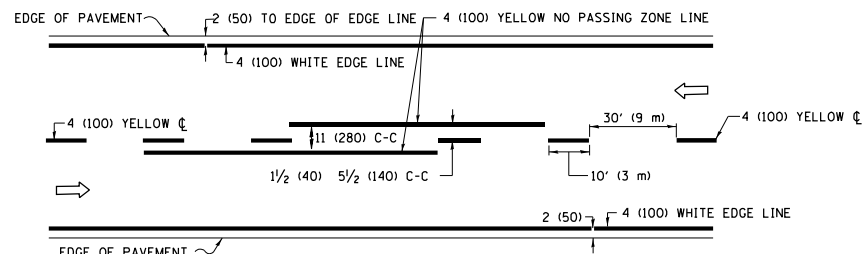
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PLOT DATE = 3/4/2019	DATE -	REVISED - C. JUCIUS 07-01-13

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

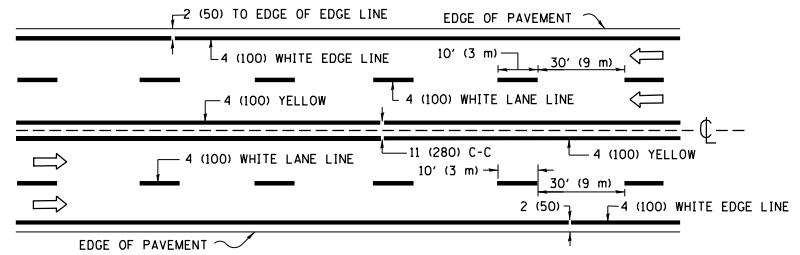
**TYPICAL APPLICATIONS
 RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)**

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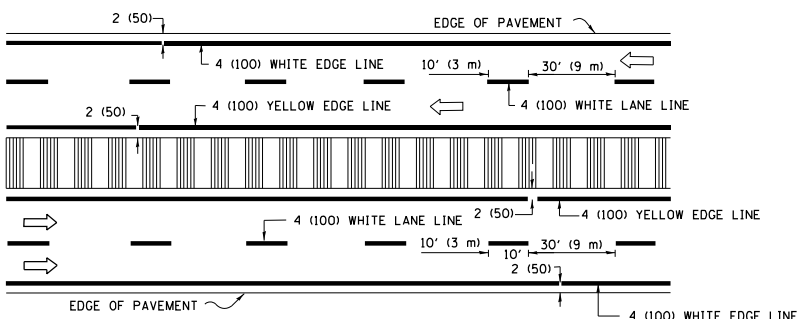
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TC-11			CONTRACT NO. 62T12	
ILLINOIS		FED. AID PROJECT		



2-LANE ROADWAY

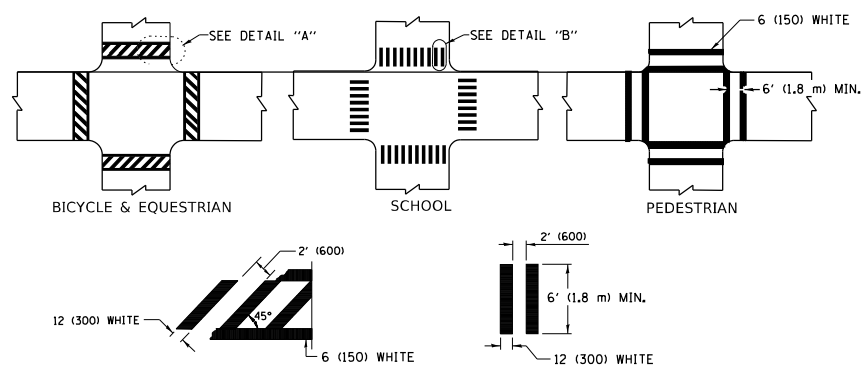


MULTI-LANE UNDIVIDED



MULTI-LANE DIVIDED WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING

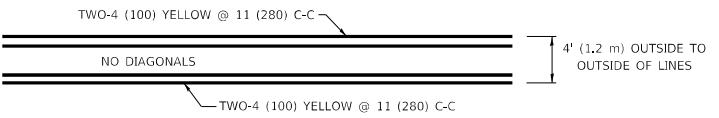


DETAIL "A"

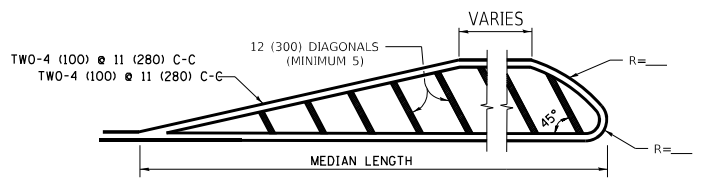
DETAIL "B"

TYPICAL CROSSWALK MARKING

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



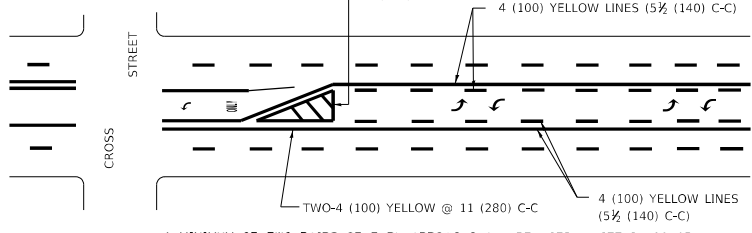
4' (1.2 m) WIDE MEDIANS ONLY



FOR MEDIAN LENGTHS WHERE DIAGONAL SPACING CANNOT BE ATTAINED, USE 5 (FIVE) EQUALLY SPACED DIAGONAL LINES.

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))

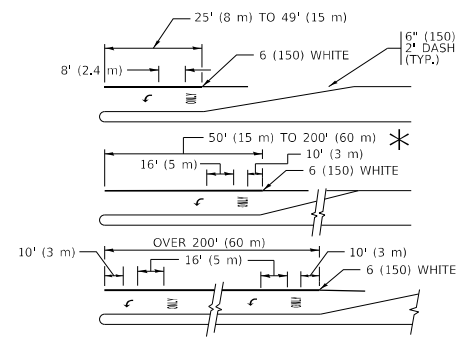
MEDIANS OVER 4' (1.2 m) WIDE



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.

MEDIAN WITH TWO-WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING

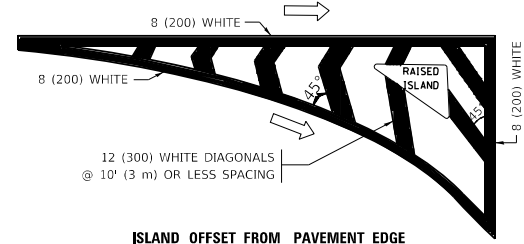


FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
AREA = 15.6 SQ. FT. (1.5 m²) ONLY AREA = 20.8 SQ. FT. (1.9 m²)

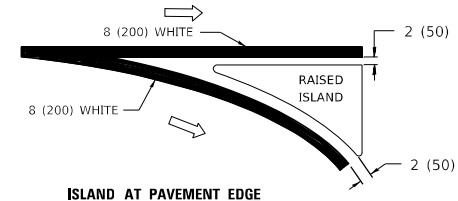
* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING

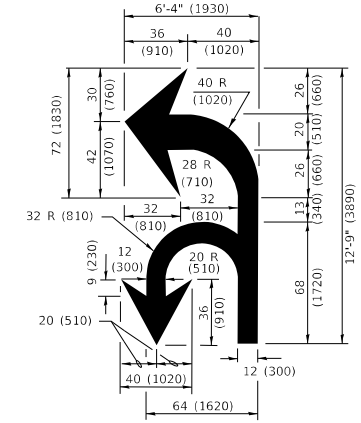


ISLAND OFFSET FROM PAVEMENT EDGE

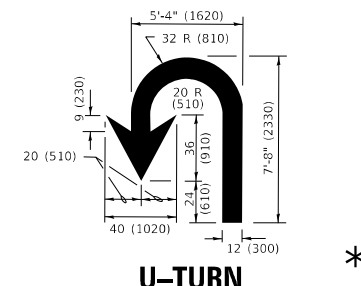


ISLAND AT PAVEMENT EDGE

TYPICAL ISLAND MARKING



COMBINATION LEFT AND U-TURN



U-TURN

LANE REDUCTION TRANSITION

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

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

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

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

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

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PLOT DATE = 3/4/2019	DATE - 03-19-90	REVISED - C. JUCIUS 12-21-15
		REVISED - C. JUCIUS 04-12-16

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DISTRICT ONE		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TYPICAL PAVEMENT MARKINGS		0344	FAP 0344 22 BJ	DUPAGE	60	55
SCALE: NONE		SHEET 1 OF 2 SHEETS		STA. TO STA.	ILLINOIS FED. AID PROJECT	

TC-13		CONTRACT NO. 62T12
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TURN BAY ENTRANCE AT START OF LANE CLOSURE TAPER

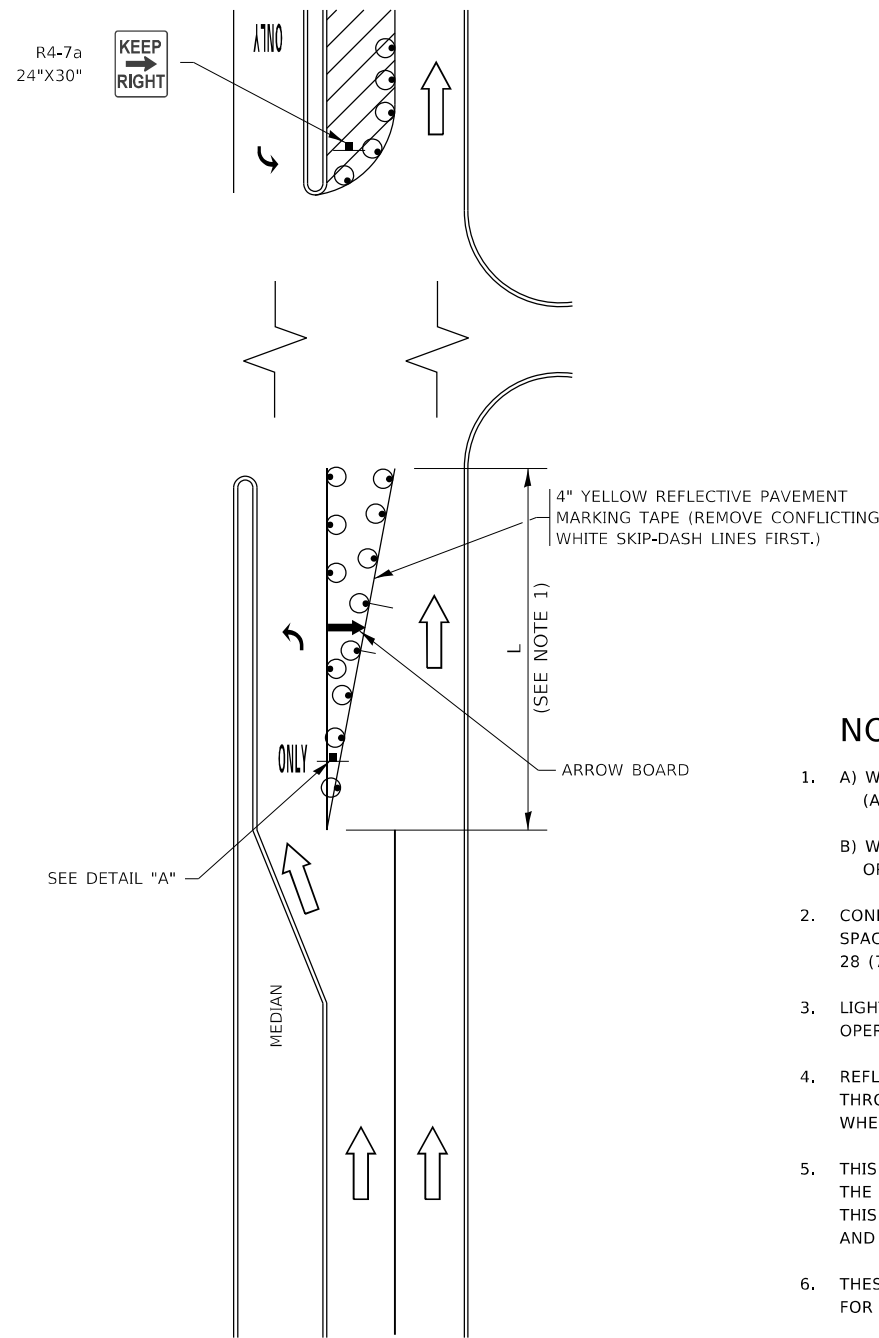


FIGURE 1

TURN BAY ENTRANCE WITHIN A LANE CLOSURE

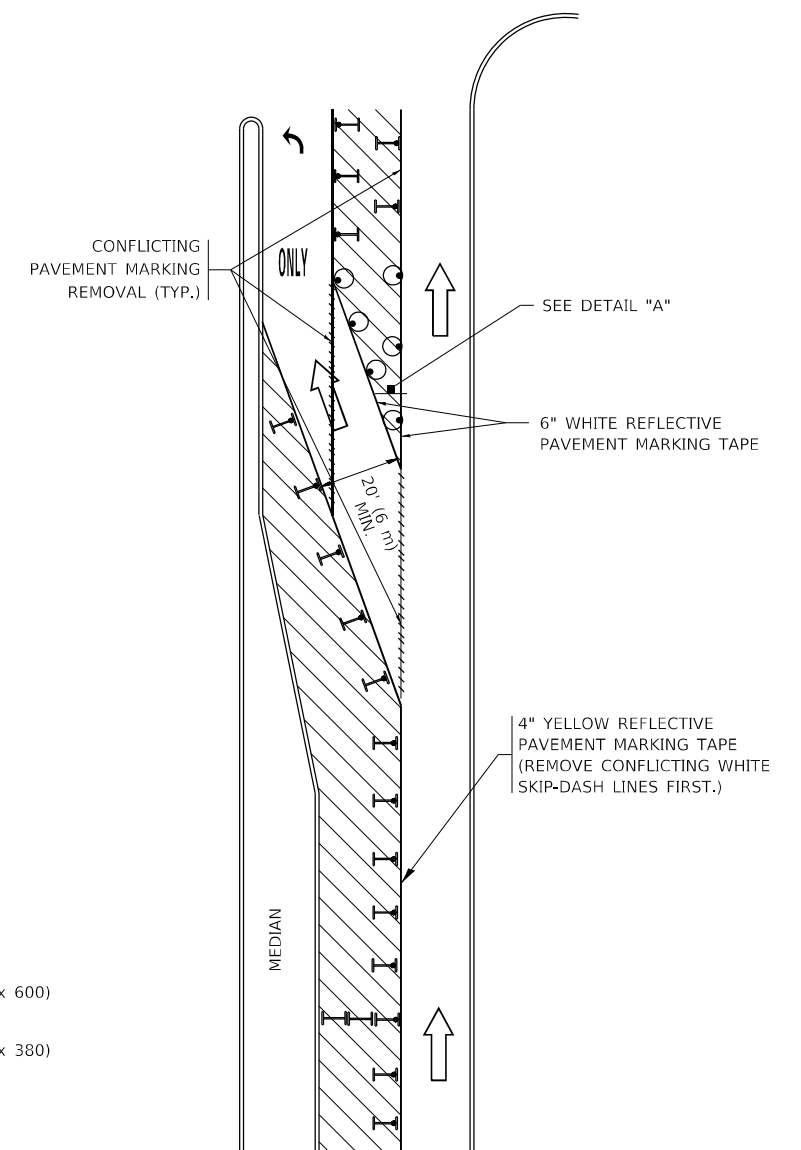









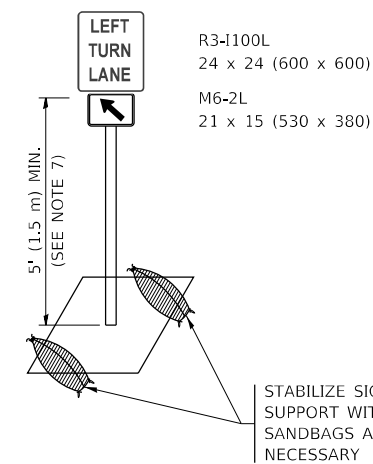
FIGURE 2

LEGEND

-  WORK AREA
-  LANE OPEN TO TRAFFIC
-  ARROW BOARD
-  TYPE I OR II BARRICADE OR DRUM WITH STEADY BURN LIGHT
-  DRUM WITH STEADY BURN LIGHT
-  SIGN ASSEMBLY
-  TYPE I OR II CHECK BARRICADE WITH FLASHING LIGHT

NOTES:

1. A) WHEN "L" IS \leq THE STORAGE LENGTH OF THE TURN LANE (AS SHOWN IN FIG. 1), USE FIGURE 1.
B) WHEN "L" IS $>$ THE STORAGE LENGTH OF THE TURN LANE OR THE TURN LANE IS WITHIN THE LANE CLOSURE, USE FIGURE 2.
2. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.
3. LIGHTS WILL NOT BE REQUIRED ON BARRICADES OR DRUMS FOR DAY OPERATIONS. ALL LIGHTS SHALL BE MONODIRECTIONAL.
4. REFLECTIVE TEMPORARY PAVEMENT MARKINGS SHALL BE PLACED THROUGHOUT THE BARRICADED AREAS OF EACH TURN BAY AS SHOWN WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN (14) DAYS.
5. THIS APPLICATION ALSO APPLIES WHEN WORK IS BEING PERFORMED IN THE RIGHT LANE(S) AND THE RIGHT TURN BAY IS TO REMAIN OPEN. UNDER THIS CONDITION, "RIGHT TURN LANE" R3-1100R 24 x 24 (600 x 600) AND M6-2R 21 x 15 (530 x 380) SHALL BE USED.
6. THESE CONTROLS SHALL SUPPLEMENT MAINLINE TRAFFIC CONTROL FOR LANE CLOSURES.
7. THE SIGNS SHALL BE MOUNTED ABOVE THE BARRICADES/DRUMS ON SEPARATE SIGN SUPPORTS THAT MEET NCHRP 350 OR MASH REQUIREMENTS.
8. TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.



DETAIL A

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

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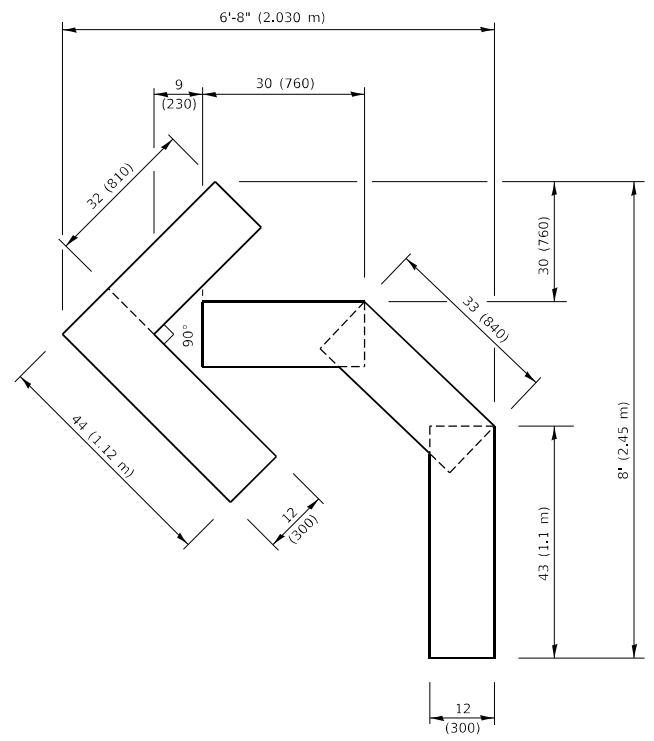
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	DRAWN - A. HOUSEH 11-07-95	REVISED - A. SCHUETZE 07-01-13
PLOT SCALE = 50.0000 ' / in.	CHECKED - A. HOUSEH 10-12-96	REVISED - A. SCHUETZE 09-15-16
PLOT DATE = 3/4/2019	DATE - T. RAMMACHER 01-06-00	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC CONTROL AND PROTECTION AT TURN BAYS
(TO REMAIN OPEN TO TRAFFIC)**

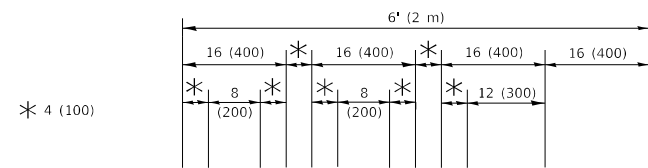
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F.A.P. RTE. 0344	SECTION FAP 0344 22 BJ	COUNTY DUPAGE	TOTAL SHEETS 60	SHEET NO. 56
TC-14			CONTRACT NO. 62T12	
ILLINOIS FED. AID PROJECT				



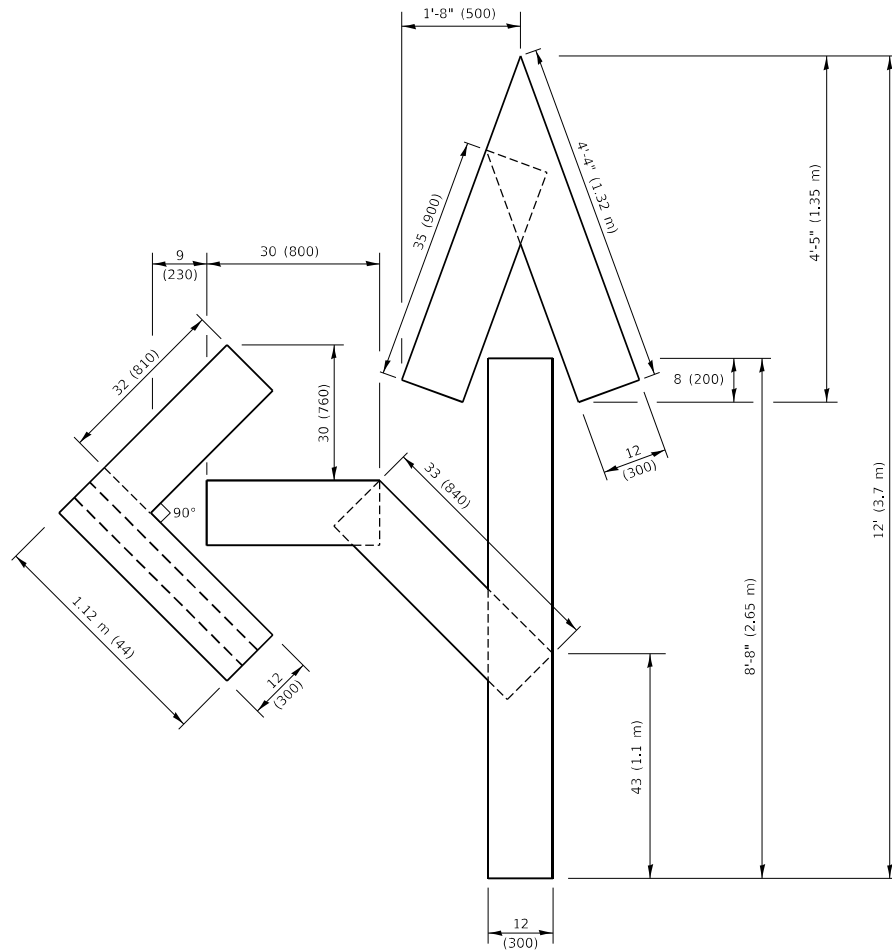
QUANTITY

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)

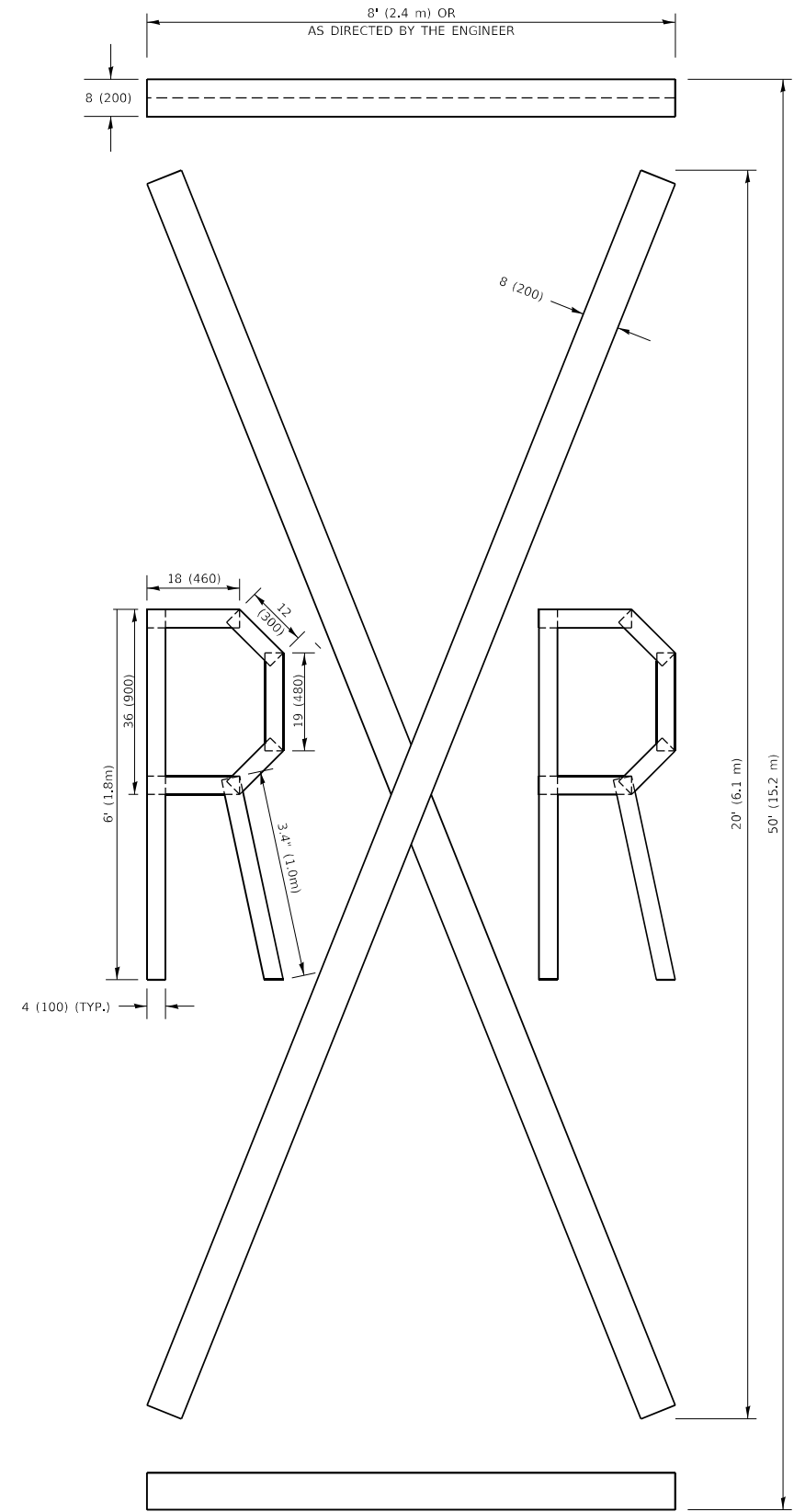


QUANTITY

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.

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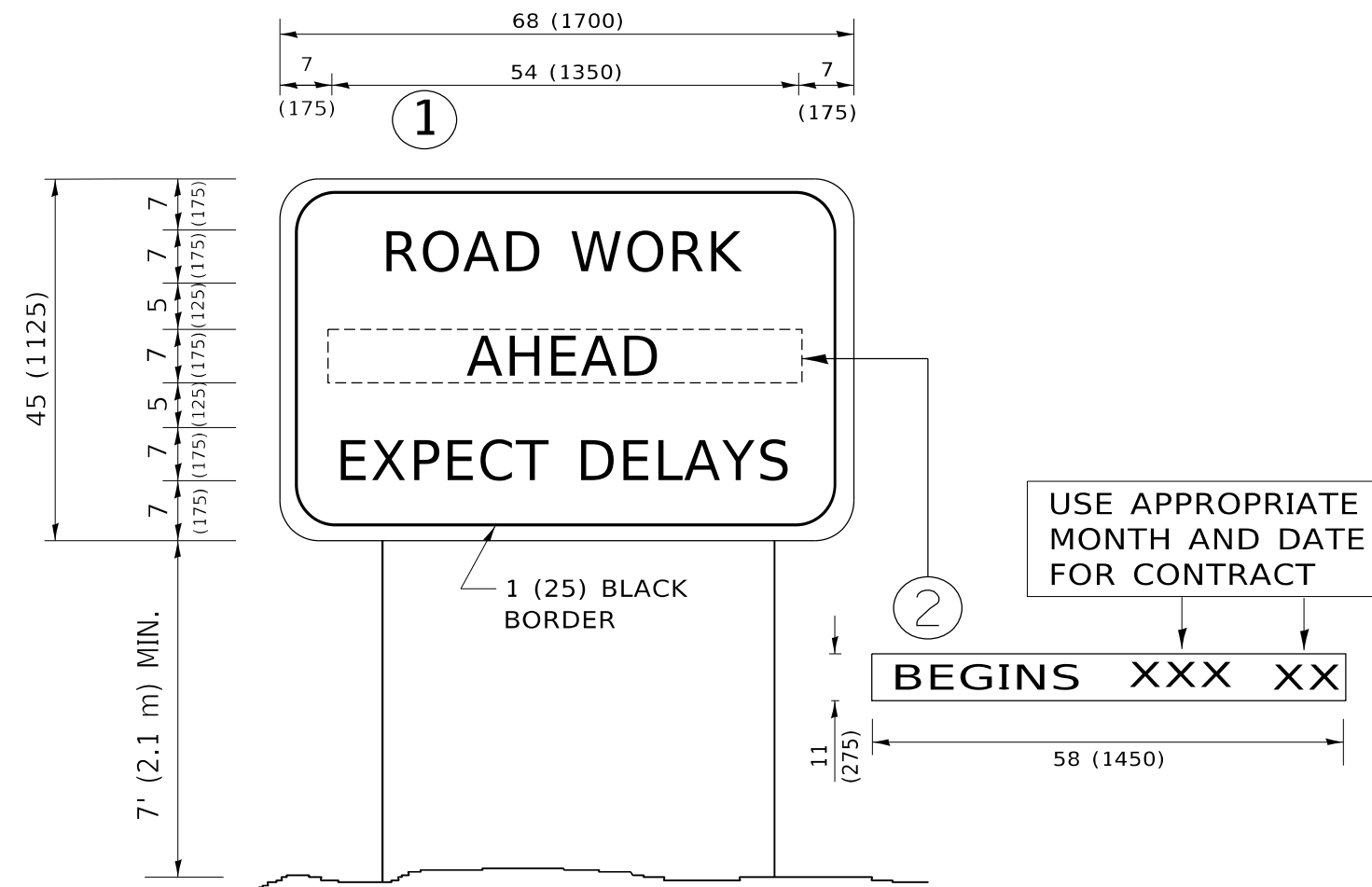
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PLOT DATE = 3/4/2019	CHECKED -	REVISED - E. GOMEZ 08-28-00
	DATE - 09-18-94	REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS

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

F.A.P. RTE. 0344	SECTION FAP 0344 22 BJ	COUNTY DUPAGE	TOTAL SHEETS 60	SHEET NO. 57
TC-16			CONTRACT NO. 62T12	
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.

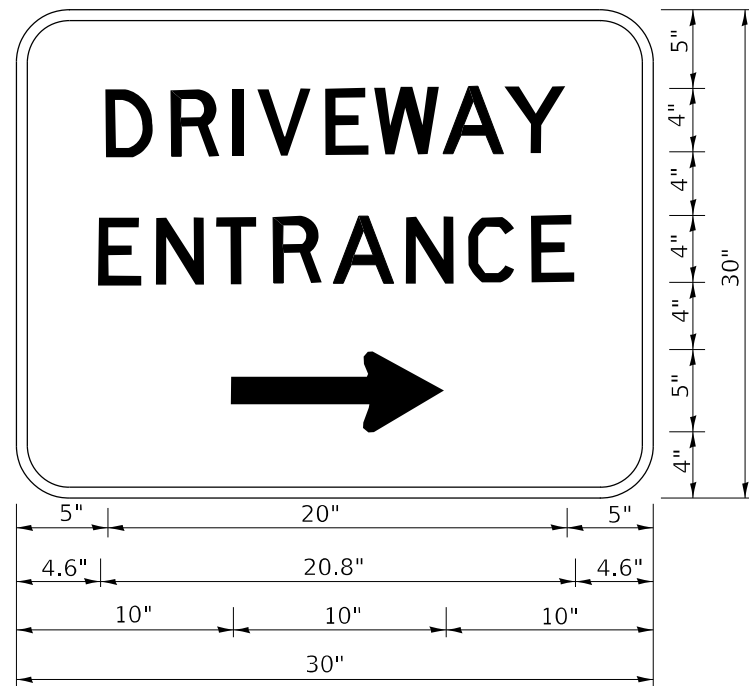
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USER NAME = footemj	DESIGNED -	REVISED - R. MIRS 09-15-97
	DRAWN -	REVISED - R. MIRS 12-11-97
PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED - T. RAMMACHER 02-02-99
PLOT DATE = 3/4/2019	DATE -	REVISED - C. JUCIUS 01-31-07

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ARTERIAL ROAD INFORMATION SIGN			
SCALE: NONE	SHEET 1	OF 1 SHEETS	STA. TO STA.

F.A.P. RTE. 0344	SECTION FAP 0344 22 BJ	COUNTY DUPAGE	TOTAL SHEETS 60	SHEET NO. 58
TC-22		CONTRACT NO. 62T12		
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".

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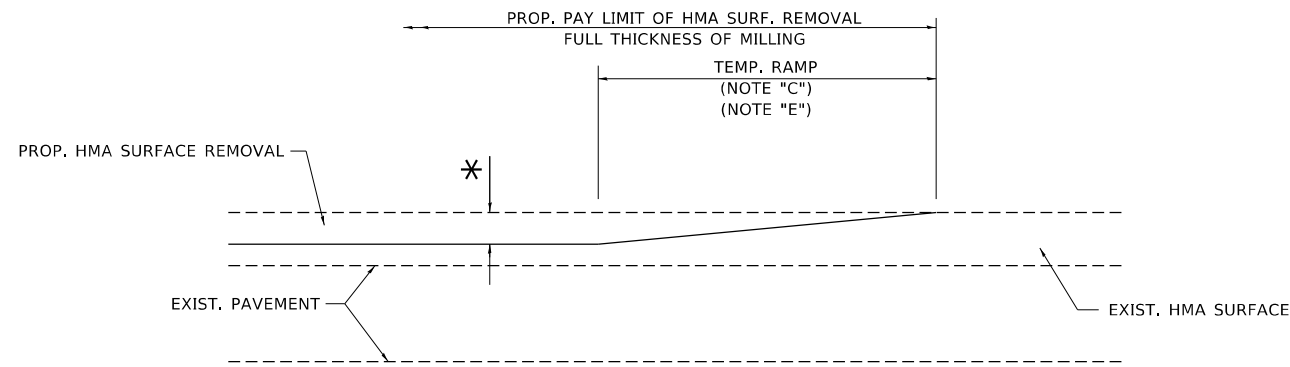
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	DRAWN -	REVISED -
PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 3/4/2019	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

DRIVEWAY ENTRANCE SIGNING

SCALE: NONE SHEET 1 OF 2 SHEETS STA. TO STA.

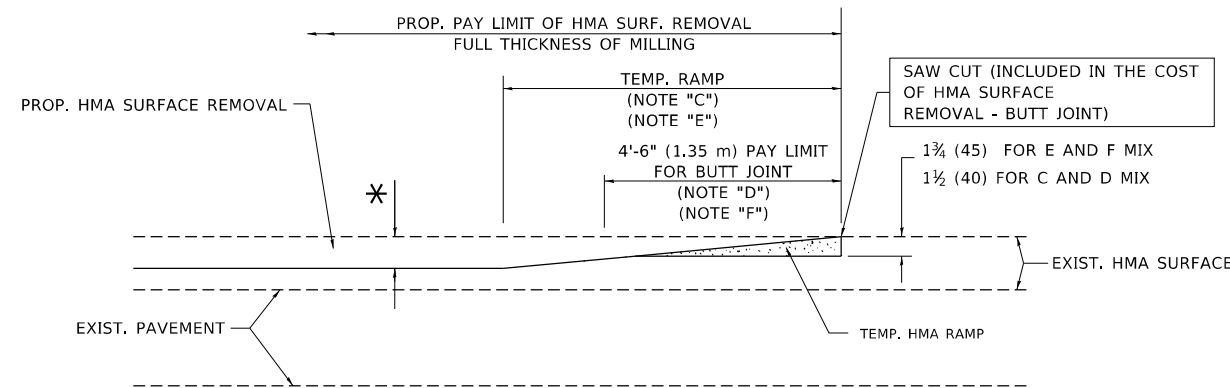
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0344	FAP 0344 22 BJ	DUPAGE	60	59
TC-26			CONTRACT NO. 62T12	
ILLINOIS FED. AID PROJECT				



MILLED TEMPORARY RAMP

(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 1

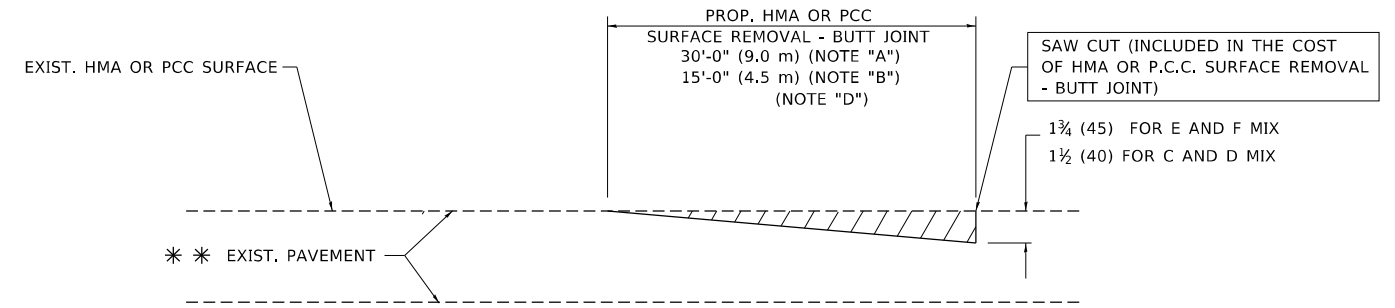


HMA CONSTRUCTED TEMPORARY RAMP

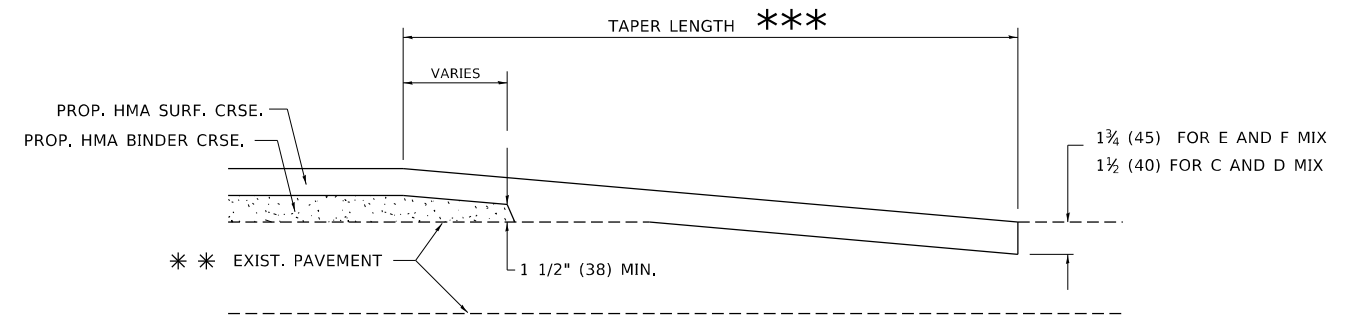
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

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.

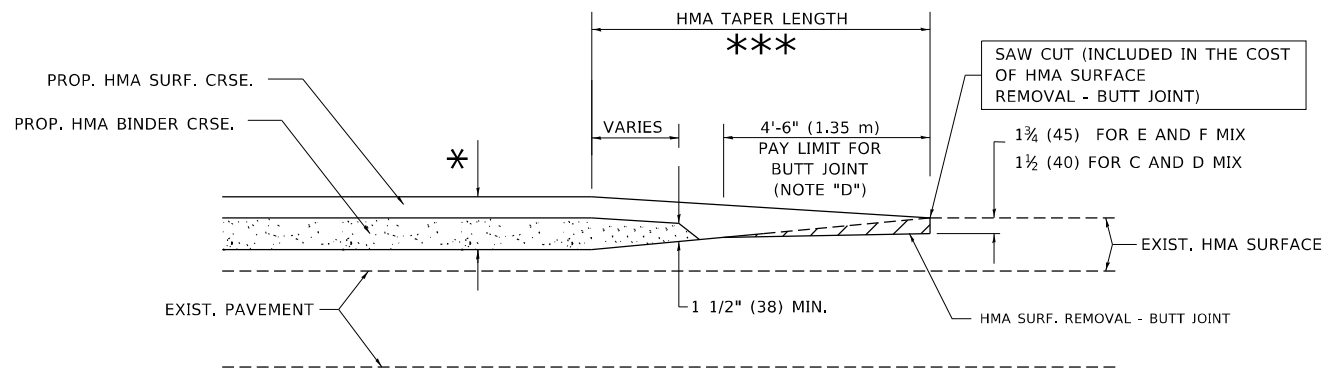
NOTES

- A. MAINLINE ROADWAYS AND MAJOR SIDE ROADS.
- 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'-0" (900 mm) PER 1 INCH (25 mm) OF MILLING THICKNESS.
- F. INSTALLATION AND REMOVAL OF THE 4'-6" (1.35 m) TEMP. RAMP IS INCLUDED IN COST OF HMA SURFACE REMOVAL - BUTT JOINT.
* SEE TYPICAL SECTIONS FOR MILLING THICKNESS.
- G. 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

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".

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



BUTT JOINT AND HMA TAPER

TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BUTT JOINT AND
HMA TAPER DETAILS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0344	FAP 0344 22 BJ	DUPAGE	60	60
BD400-05 BD32		CONTRACT NO. 62T12		
ILLINOIS FED. AID PROJECT				

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PLOT SCALE = 50.0000 ' / in.	DRAWN -	REVISED - A. ABBAS 03-21-97
PLOT DATE = 3/27/2019	CHECKED -	REVISED - M. GOMEZ 04-06-01
	DATE - 06-13-90	REVISED - R.BORO 01-01-07