

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1273	FAU 1273 22 BJ	COOK	34	1
		ILLINOIS	CONTRACT NO. 62T85	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
**PROPOSED
HIGHWAY PLANS**
F.A.U. ROUTE 1273 (DUNDEE ROAD)
OVER SKOKIE RIVER
SECTION FAU 1273 22 BJ
PROJECT STP-FM6F(868)
BRIDGE DECK OVERLAY
AND JOINT REPAIR (STRUCTURE NO. 016-0940)
COOK COUNTY

FOR INDEX OF SHEETS, SEE SHEET NO. 2

IMPROVEMENT IS LOCATED
IN NORTHFIELD TOWNSHIP
AND NEW TRIER TOWNSHIP

TRAFFIC DATA

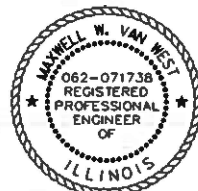
2018 ADT = 12,600
POSTED SPEED LIMIT = 35 MPH
FUNCTIONAL CLASS = MINOR ARTERIAL



EXPIRES NOV. 30, 2024

Lukas Janulis
SIGNATURE

JAN. 26, 2024
DATE



EXPIRES NOV. 30, 2025

Maxwell W. Van West
SIGNATURE

JAN. 26, 2024
DATE

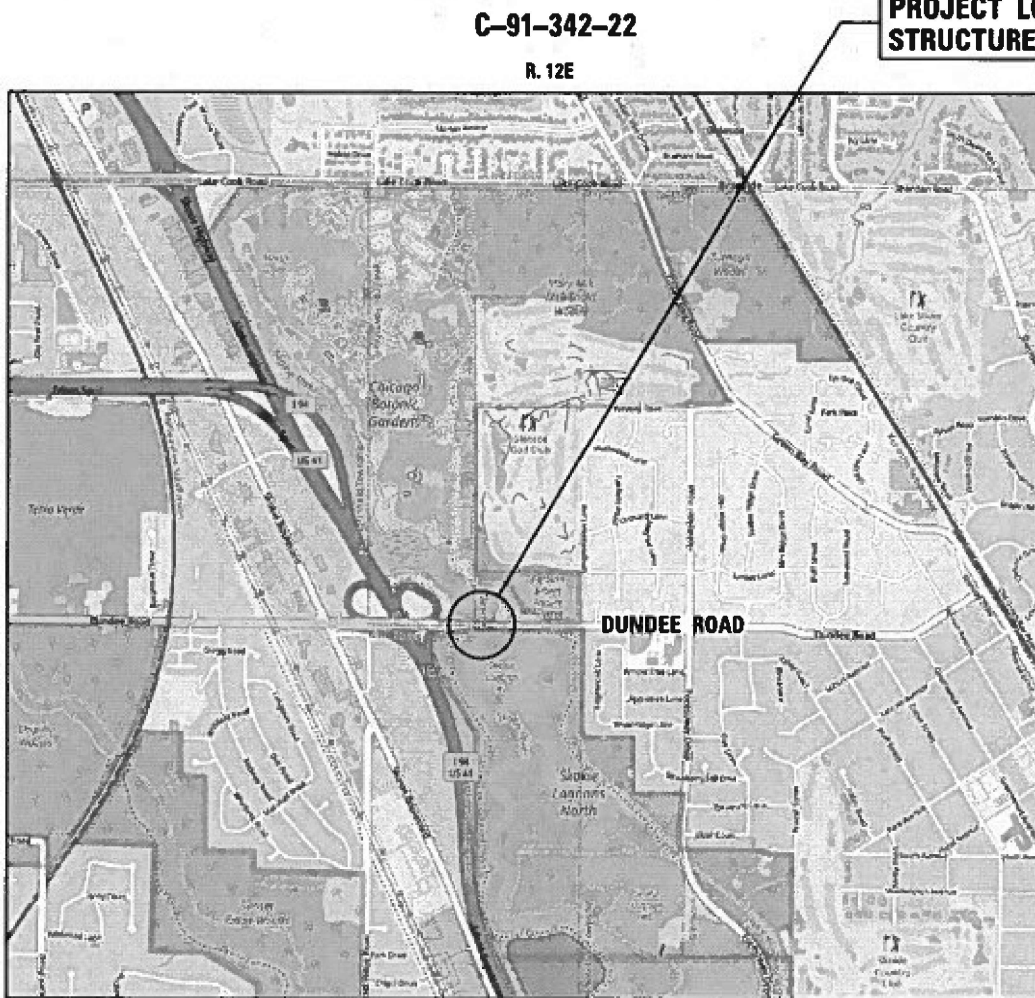


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

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

CONTRACT NO. 62T85



LOCATION MAP

GROSS LENGTH = 309 FT. = 0.059 MILE
NET LENGTH = 309 FT. = 0.059 MILE



LOCATION OF SECTION INDICATED THUS: -



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED Jan 29 20 24
Joseph R. K... IR
REGIONAL ENGINEER

March 22, 2024 Scott A. Etk...
ENGINEER OF DESIGN AND ENVIRONMENT

March 22, 2024 Stephen M. ...
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

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OF THE STATE OF ILLINOIS

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HIGHWAY STANDARDS

000001-08	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
604021-04	FRAME AND LIDS TYPE 5
606001-08	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
701427-05	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATIONS, FOR SPEEDS <= 40 MPH
701606-10	URBAN SINGLE LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
701611-01	URBAN HALF ROAD CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-09	TRAFFIC CONTROL DEVICES
704001-08	TEMPORARY CONCRETE BARRIER
782006-01	GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS

IDOT DISTRICT 1 STANDARD DETAILS

STANDARD NO.	DESCRIPTION
BD - 24	CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT DETAIL
BD - 32	BUTT JOINT AND HMA TAPER DETAILS
TC - 10	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS
TC - 11	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SLOW- PLOW RESISTANT)
TC - 13	DISTRICT ONE TYPICAL PAVEMENT MARKINGS
TC - 22	DISTRICT ONE ARTERIAL ROAD INFORMATION SIGN

HMA MIXTURE REQUIREMENTS

MIXTURE TYPE	AIR VOIDS @ NDES	QUALITY MANAGEMENT PROGRAM (QMP)
HMA OVERLAY AND BUTT JOINT		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N70, 1 3/4"	4% AT 70 GYR.	QC/QA
MEDIAN SURFACE		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N70, 2"	4% AT 70 GYR.	QC/QA
QMP DESIGNATIONS: QUALITY CONTROL/QUALITY ASSURANCE (QC/QA);		

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

GENERAL NOTES

- 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.
- THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES, NEW TRIER TOWNSHIP AND NORTHFIELD TOWNSHIP. THE PLANS AND SPECIAL PROVISION DO NOT REPRESENT A COMPLETE DEPICTION OF ALL UTILITIES THAT MAY BE IMPACTED BY THE PROPOSED WORK. THE CONTRACTOR SHALL PERFORM AN INDEPENDENT INVESTIGATION TO DETERMINE THE OWNERSHIP OF IMPACTED UTILITIES. THE CONTRACTOR SHALL COORDINATE WITH THE UTILITY OWNERS AND MAY BE REQUIRED TO PROVIDE TEMPORARY SUPPORT. ADJUSTMENTS, RELOCATIONS OR REMOVAL OF UTILITIES THAT ARE IMPACTED BY THE PROPOSED IMPROVEMENT. THIS WORK SHALL BE INCLUDED IN THE LUMP SUM BID PRICE.
- THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
- REINFORCEMENT BARS DESIGNATED (E) SHALL BE EPOXY COATED.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
- THESE PLANS HAVE BEEN PREPARED FROM NOTES RECEIVED FROM THE BUREAU OF MAINTENANCE, BRIDGE SECTION.
- THE CONTRACTOR SHALL TAKE EXTREME CARE WHEN PERFORMING DEMOLITION AND REMOVAL AROUND THE EXITING FACILITIES TO REMAIN IN PLACE. IF EXISTING ELEMENTS ARE DAMAGED, THE CONTRACTOR SHALL REPAIR/RESTORE TO MATCH THE EXISTING CONDITIONS OR BETTER.
- BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL RETAIN AND RECORD FOR FUTURE REFERENCES, ALL EXISTING PAVEMENT MARKING LINES (AND RAISED REFLECTIVE PAVEMENT MARKERS) IN ORDER THAT THESE LOCATIONS CAN BE RE-ESTABLISHED FOR STRIPING. EXACT LOCATIONS OF ALL PAVEMENT MARKINGS SHALL BE AS DIRECTED BY THE ENGINEER.
- ALL DAMAGE TO EXISTING PAVEMENT MARKING OUTSIDE THE REMOVAL LINE SHOWN ON THE PLANS SHALL BE REPLACED AT THE CONTRACTORS EXPENSE. NO ADDITIONAL COST TO THE DEPARTMENT.
- DRAINAGE ADJUSTMENT OR RECONSTRUCTION LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING MATERIALS.
- THE CONTRACTOR SHALL CONTACT KALPANA KANNAN-HOSADURGA, THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR, AT KALPANA.KANNAN-HOSADURGA@ILLINOIS.GOV A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
- THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTY AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.
- DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.
- FRAMES AND GRATES ADJUSTMENT OF PRIVATE UTILITIES WITHIN THE LIMITS OF THE IMPROVEMENTS SHALL BE DONE BY THEIR RESPECTIVE OWNERS AND ARE NOT PART OF THIS CONTRACT.
- THE CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL LOGS, SHRUBS, BUSHES, SAPLINGS, UNDERBRUSH OR DEBRIS ACCORDING TO SECTION 201 OF THE STANDARD SPECIFICATIONS AT LOCATIONS REQUIRING ACCESS TO THE SUBSTRUCTURE. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT THE COST SHALL BE CONSIDERED AS INCLUDED IN THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- THE DEPARTMENT HAS DETERMINED THAT IN STREAM WORK IS NOT REQUIRED FOR THE WORK SPECIFIED IN THIS CONTRACT. THE DEPARTMENT HAS NOT OBTAINED A 404 PERMIT. IF THE CONTRACTOR CHOOSES TO USE ACTIVITIES REQUIRING AN USACE 404 PERMIT IT IS THE CONTRACTOR'S RESPONSIBILITY TO SECURE THE PROPER USACE PERMITS.
- TWO WEEKS PRIOR TO THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS, THE ENGINEER SHALL CONTACT MR. FADI SULTAN, AREA TRAFFIC FIELD ENGINEER, AT FADI.SULTAN@ILLINOIS.GOV.
- NORTH BRANCH TRAIL SYSTEM SHALL BE CLOSED DURING STAGE 1 CONSTRUCTION. TWO WEEKS PRIOR TO THE CLOSURE, THE ENGINEER SHALL CONTACT CHRIS SLATTERY, COOK COUNTY FOREST PRESERVE, AT 708-771-1572 OR CHRIS.SLATTERY@COOKCOUNTYIL.GOV.

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**INDEX OF SHEETS, STATE STANDARDS AND GENERAL NOTES
F.A.U. 1273 (DUNDEE ROAD) OVER SKOKIE RIVER**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1273	FAU 1273 22 BJ	COOK	34	2
CONTRACT NO. 62T85				
ILLINOIS FED. AID PROJECT				

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SP	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE
					80% FED 20% STATE
					BRIDGE 0059 016-0940
	40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	104	104
	40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	229	229
	40604062	HOT-MIX ASPHALT SURFACE COURSE, 1L-9.5, MIX "D", N70	TON	59	59
	50102400	CONCRETE REMOVAL	CU YD	16.2	16.2
	50300255	CONCRETE SUPERSTRUCTURE	CU YD	19.0	19.0
	50300300	PROTECTIVE COAT	SQ YD	1366	1366
	50500405	FURNISHING AND ERECTING STRUCTURAL STEEL	POUND	8200	8200
	50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	2830	2830
	50800515	BAR SPLICERS	EACH	24	24
	52000110	PREFORMED JOINT STRIP SEAL	FOOT	142	142
	52100020	ELASTOMERIC BEARING ASSEMBLY, TYPE II	EACH	18	18
	52100520	ANCHOR BOLTS, 1"	EACH	36	36
	60250500	CATCH BASINS TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID	EACH	1	1
	67100100	MOBILIZATION	L SUM	1	1
	70107025	CHANGEABLE MESSAGE SIGN	CAL DA	120	120
	70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	1734	1734
	70307120	TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE	FOOT	5141	5141
	70307210	TEMPORARY PAVEMENT MARKING - LINE 24" - TYPE IV TAPE	FOOT	10	10

SP	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE
					80% FED 20% STATE
					BRIDGE 0059 016-0962
	70400100	TEMPORARY CONCRETE BARRIER	FOOT	468	468
	70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	437	437
	70600240	IMPACT ATTENUATORS, TEMPORARY (NON- REDIRECTIVE), TEST LEVEL 2	EACH	2	2
	70600340	IMPACT ATTENUATORS, RELOCATE (NON- REDIRECTIVE), TEST LEVEL 2	EACH	2	2
	* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	2306	2306
	* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	64	64
	* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	10	10
	* 78004635	PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - STANDARD - LINE 7"	FOOT	120	120
	* 78009004	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	FOOT	452	452
	* 78011040	GROOVING FOR RECESSED PAVEMENT MARKING 8"	FOOT	120	120
	* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	12	12
	* 78200011	BARRIER WALL REFLECTORS, TYPE C	EACH	38	38
	78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	12	12
	78300201	PAVEMENT MARKING REMOVAL - GRINDING	SQ FT	336	336
	78300202	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	286	286
	* X0322215	CLEANING BRIDGE SCUPPERS AND DOWNSPOUTS	EACH	12	12
	* X0326766	CLEAN & RESEAL RELIEF JOINT	FOOT	96	96
	* X4400503	COMBINATION CURB AND GUTTER REMOVAL AND REPLACEMENT GREATER THAN 10 FEET	FOOT	168	168

* SPECIALTY ITEM

NON-PART 100% STATE



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES (SHEET 1 OF 2)
F.A.U. ROUTE 1273 (DUNDEE RD) OVER SKOKIE RIVER

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1273	FAU 1273 22 BJ	COOK	34	3
CONTRACT NO. 62T85			ILLINOIS FED. AID PROJECT	

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SP	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE
					80% FED 20% STATE
					BRIDGE
					0059
					016-0940
*	X5030250	BRIDGE DECK GROOVING (LONGITUDINAL)	SQ YD	1252	1252
*	X6060500	CORRUGATED MEDIAN REMOVAL	SQ FT	845	845
*	X6700407	ENGINEER'S FIELD OFFICE, TYPE A (D1)	CAL MO	12	12
*	X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1
*	X7830050	RAISED REFLECTIVE PAVEMENT MARKER, REFLECTOR REMOVAL	EACH	48	48
*	X7830052	RAISED REFLECTIVE PAVEMENT MARKER, REFLECTOR REPLACEMENT	EACH	48	48
*	Z0001800	APPROACH SLAB REPAIR (PARTIAL DEPTH)	SQ YD	7	7
*	Z0001899	JACK AND REMOVE EXISTING BEARINGS	EACH	18	18
*	Z0001903	STRUCTURAL STEEL REMOVAL	POUND	5730	5730
*	Z0001905	STRUCTURAL STEEL REPAIR	POUND	2500	2500
*	Z0006016	BRIDGE DECK LATEX CONCRETE OVERLAY, 2 3/4 INCHES	SQ YD	1289	1289
*	Z0010300	CHAIN LINK FABRIC, TYPE 3, SPECIAL	FOOT	39	39
*	Z0012130	BRIDGE DECK SCARIFICATION 3/4"	SQ YD	1289	1289
*	Z0012754	STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5 INCHES)	SQ FT	9	9
*	Z0016001	DECK SLAB REPAIR (FULL DEPTH, TYPE 1)	SQ YD	11	11
*	Z0029090	DIAMOND GRINDING (BRIDGE SECTION)	SQ YD	1211	1211
*	Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	51.4	51.4

* SPECIALTY ITEM



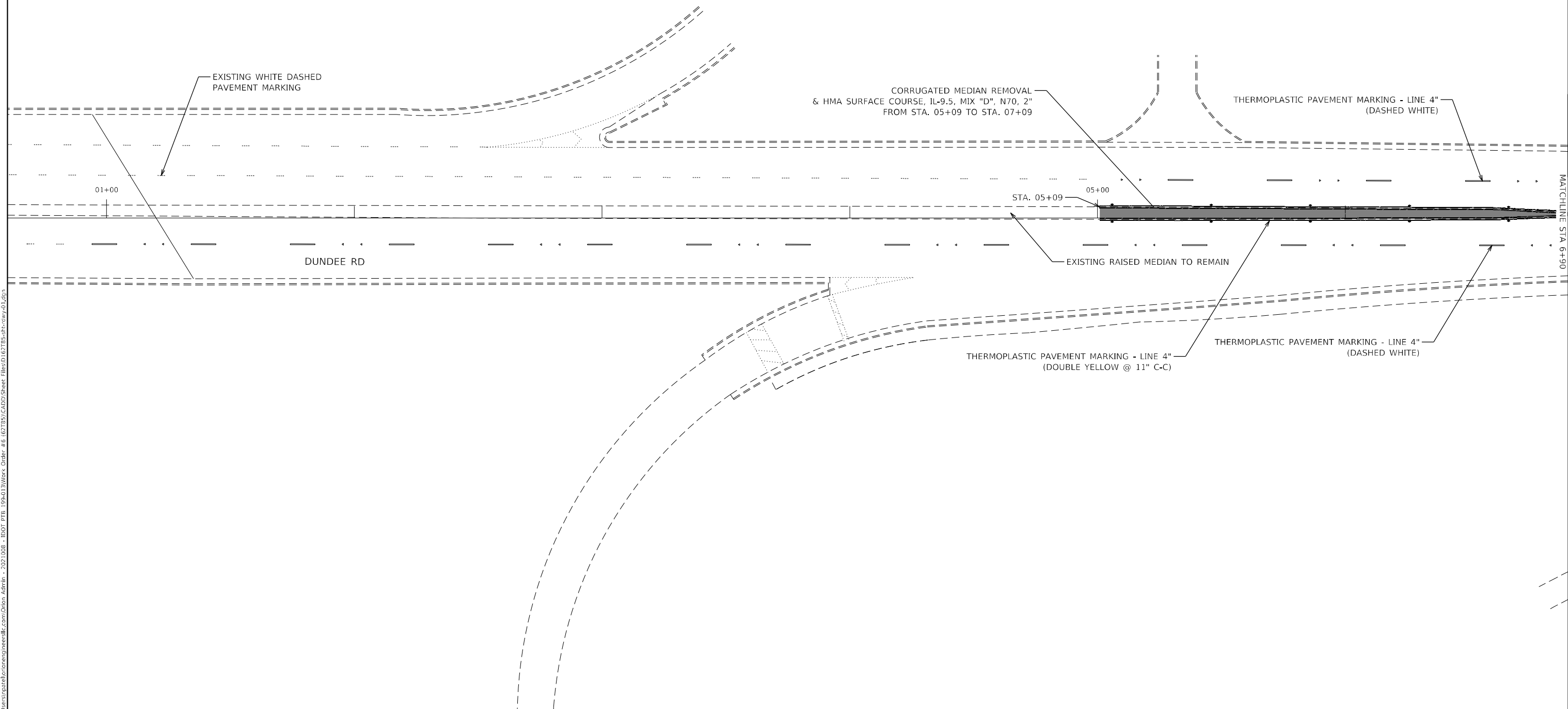
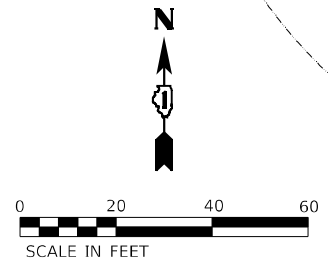
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES (SHEET 2 OF 2)
F.A.U. ROUTE 1273 (DUNDEE RD) OVER SKOKIE RIVER**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1273	FAU 1273 22 BJ	COOK	34	4
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62T85	



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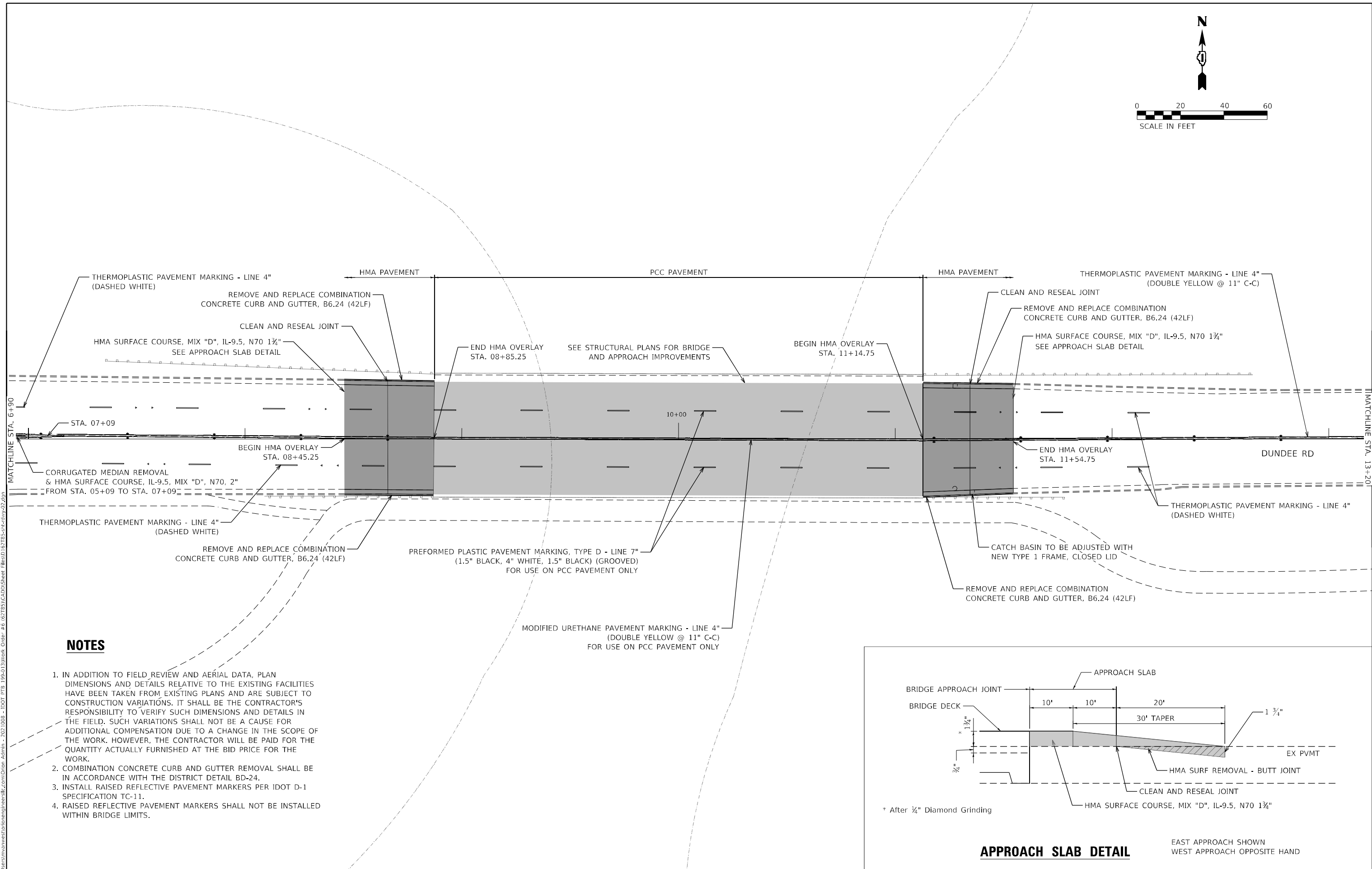
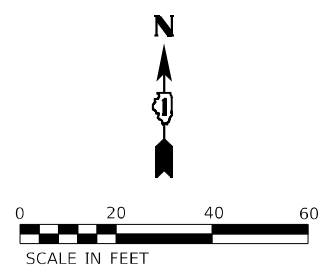
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ROADWAY PLAN (1 OF 3)
F.A.U. ROUTE 1273 (DUNDEE RD) OVER SKOKIE RIVER**

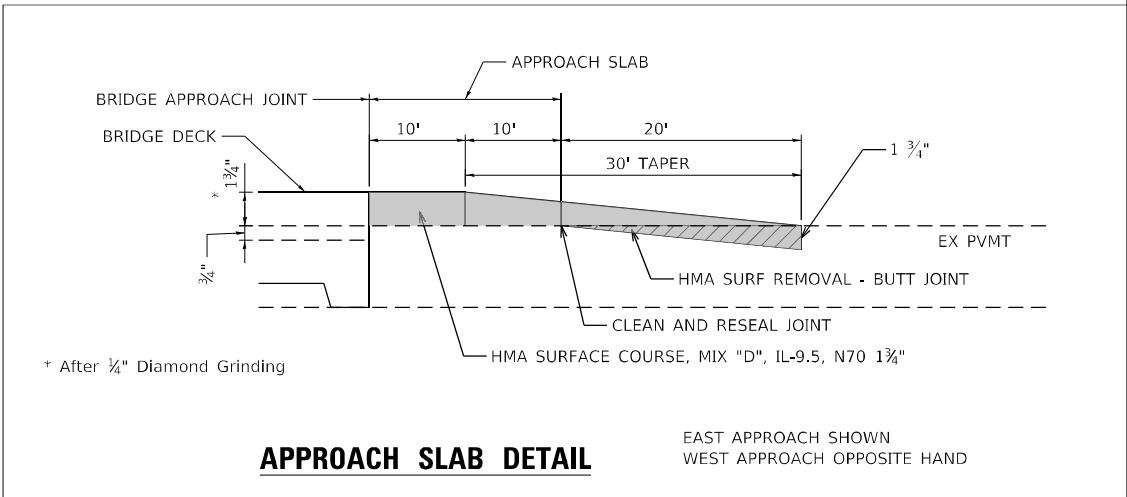
SCALE: SHEET 1 OF 3 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1273	FAU 1273 22 BJ	COOK	34	5
CONTRACT NO. 62785				
ILLINOIS FED. AID PROJECT				



NOTES

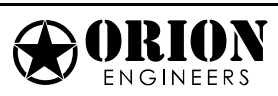
1. IN ADDITION TO FIELD REVIEW AND AERIAL DATA, PLAN DIMENSIONS AND DETAILS RELATIVE TO THE EXISTING FACILITIES HAVE BEEN TAKEN FROM EXISTING PLANS AND ARE SUBJECT TO CONSTRUCTION VARIATIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY SUCH DIMENSIONS AND DETAILS IN THE FIELD. SUCH VARIATIONS SHALL NOT BE A CAUSE FOR ADDITIONAL COMPENSATION DUE TO A CHANGE IN THE SCOPE OF THE WORK. HOWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY ACTUALLY FURNISHED AT THE BID PRICE FOR THE WORK.
2. COMBINATION CONCRETE CURB AND GUTTER REMOVAL SHALL BE IN ACCORDANCE WITH THE DISTRICT DETAIL BD-24.
3. INSTALL RAISED REFLECTIVE PAVEMENT MARKERS PER IDOT D-1 SPECIFICATION TC-11.
4. RAISED REFLECTIVE PAVEMENT MARKERS SHALL NOT BE INSTALLED WITHIN BRIDGE LIMITS.



APPROACH SLAB DETAIL

EAST APPROACH SHOWN
WEST APPROACH OPPOSITE HAND

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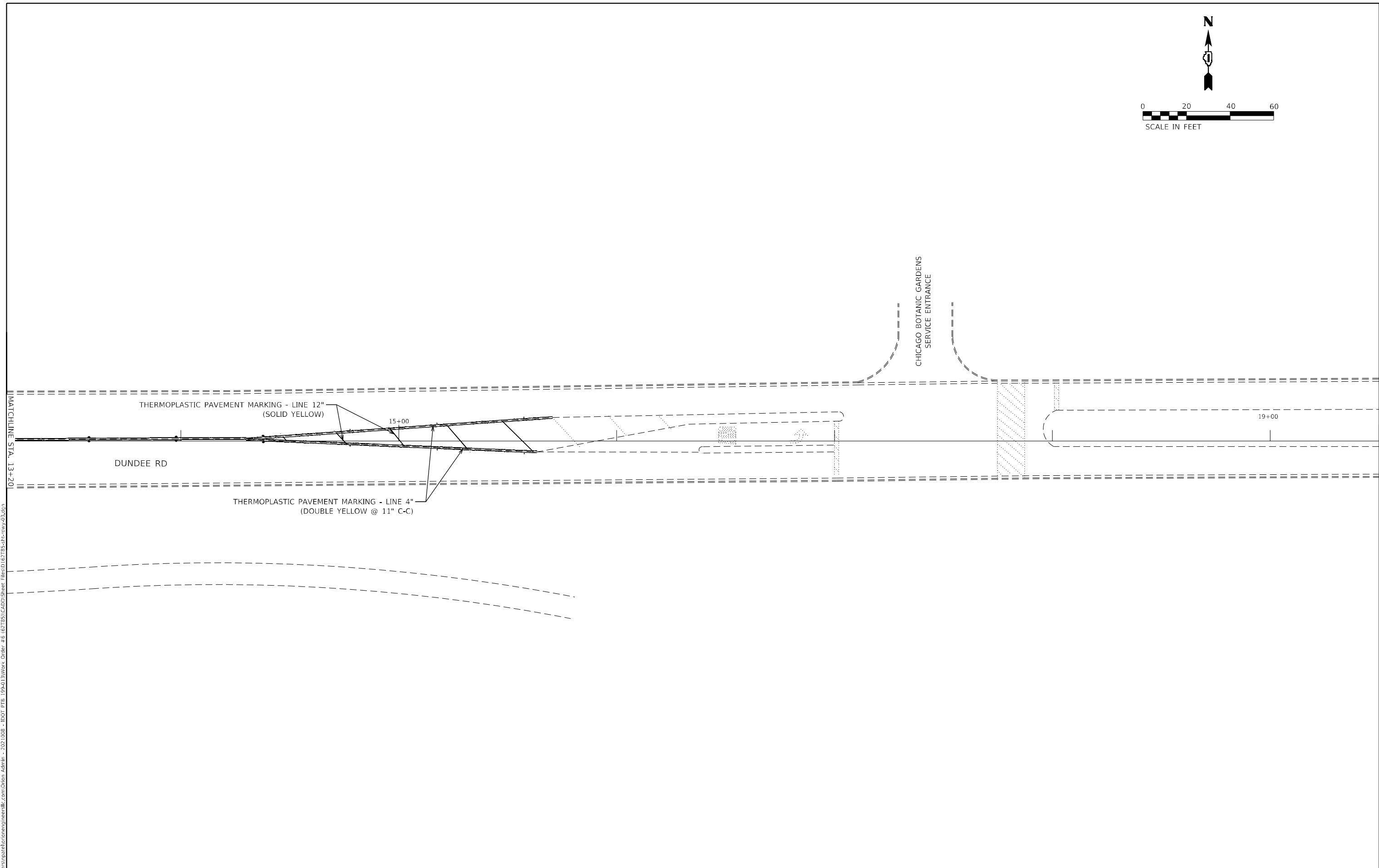


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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ROADWAY PLAN (2 OF 3)
F.A.U. ROUTE 1273 (DUNDEE RD) OVER SKOKIE RIVER
 SCALE: _____ SHEET 2 OF 3 SHEETS STA. _____ TO STA. _____

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1273	FAU 1273 22 BJ	COOK	34	6
CONTRACT NO. 62T85				
ILLINOIS FED. AID PROJECT				



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY PLAN (3 OF 3) F.A.U. ROUTE 1273 (DUNDEE RD) OVER SKOKIE RIVER			
SCALE:	SHEET 3	OF 3 SHEETS	STA. TO STA.

F.A.U. RTE. 1273	SECTION FAU 1273 22 BJ	COUNTY COOK	TOTAL SHEETS 34	SHEET NO. 7
CONTRACT NO. 62T85				
ILLINOIS FED. AID PROJECT				

MAINTENANCE OF TRAFFIC GENERAL NOTES

1. TRAFFIC CONDITIONS, CRASHES, AND OTHER UNFORESEEN EMERGENCY CONDITIONS MAY REQUIRE THE ENGINEER TO RESTRICT, MODIFY OR REMOVE LANE CLOSURES OR CHANNELIZATION SHOWN ON THE PLANS. THE CONTRACTOR SHALL MAKE THE NECESSARY ADJUSTMENTS AS DIRECTED BY THE ENGINEER WITHOUT DELAY. COMPLIANCE WITH THIS REQUIREMENT SHALL BE CONSIDERED INCLUDED IN THE CONTRACT UNIT PRICE OF THE MAINTENANCE OF TRAFFIC ITEM. NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
2. THE MAINTENANCE OF TRAFFIC PLANS SHALL SERVE AS A GUIDE FOR THE SAFE DIVERSION OF TRAFFIC DURING EXECUTION OF THIS CONTRACT. THE CONTRACTOR MAY MODIFY THE MAINTENANCE OF TRAFFIC PLANS TO MEET CONSTRUCTION NEEDS, BUT NOT AT THE EXPENSE OF PUBLIC SAFETY OR CONVENIENCE. ANY CHANGES TO THE TRAFFIC CONTROL SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW AND APPROVAL. THE ENGINEER SHALL BE INFORMED IN WRITING A MINIMUM OF 48 HOURS IN ADVANCE OF ANY CHANGE TO THE MAINTENANCE OF TRAFFIC PLANS.
3. CHANGEABLE MESSAGE SIGNS SHALL BE INSTALLED TWO WEEKS PRIOR TO ALL TRAFFIC STAGE CHANGE EVENTS ON EACH APPROACH OF THE EFFECTED 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 2 WEEKS ON THE SAME APPROACH OF THE EFFECTED ROADWAY. THE SIGN LOCATIONS SHALL BE PLACED AS DIRECTED BY THE ENGINEER.
4. ALL TRAFFIC CONTROL DEVICES INCLUDING, BUT NOT LIMITED TO DRUMS, VERTICAL PANELS, AND BARRICADES IMMEDIATELY ADJACENT TO THE EDGE OF TRAVELED WAY SHALL BE EQUIPPED WITH MONO-DIRECTIONAL STEADY BURNING LIGHTS.
5. THE CONTRACTOR SHALL REMOVE OR COVER ALL EXISTING SIGNS THAT CONFLICT WITH OR DO NOT APPLY TO THE REVISED TRAFFIC PATTERNS AND SHALL RESTORE THE SIGNS AT THE END OF CONSTRUCTION AS DIRECTED BY THE ENGINEER. COMPLIANCE WITH THIS REQUIREMENT SHALL BE CONSIDERED INCLUDED IN THE CONTRACT UNIT PRICE OF THE MAINTENANCE OF TRAFFIC ITEM. NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
6. THE CONTRACTOR SHALL PROVIDE 48 HOURS ADVANCE NOTICE TO THE ENGINEER OF ANY CONSTRUCTION WORK THAT MAY IMPACT ANY ROADWAY LIGHTING.
7. THE CONTRACTOR SHALL PROPERLY DISPOSE OF ANY EXISTING SIGNS REMOVED, BUT NOT RELOCATED, FROM THE PROJECT. THE CONTRACTOR SHALL PROPERLY STORE RELOCATED SIGNS AS APPROVED BY THE ENGINEER UNTIL THEY ARE PROPERLY RE-ERECTED.

SUGGESTED SEQUENCE OF CONSTRUCTION

PRE-STAGE NOTES:

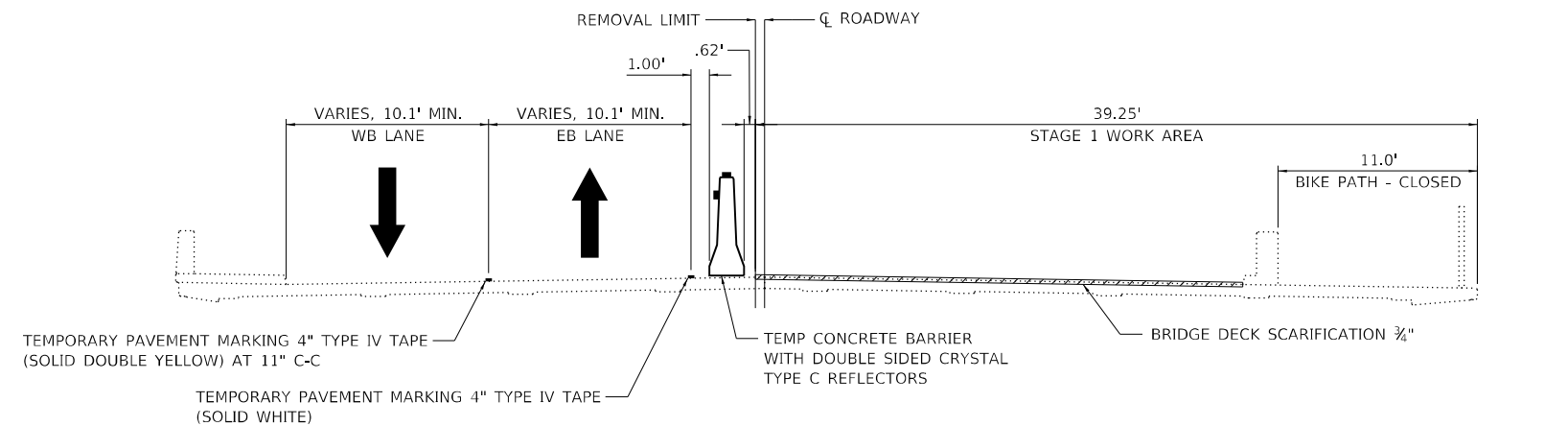
1. PREFORM PARTIAL DEPTH REMOVAL OF CORRUGATED CONCRETE MEDIAN WEST OF THE BRIDGE AND PLACE HMA SURFACE COURSE. THIS WORK SHALL BE PREFORMED UTILIZING IDOT LANE CLOSURE STANDARDS.

STAGE 1 NOTES:

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

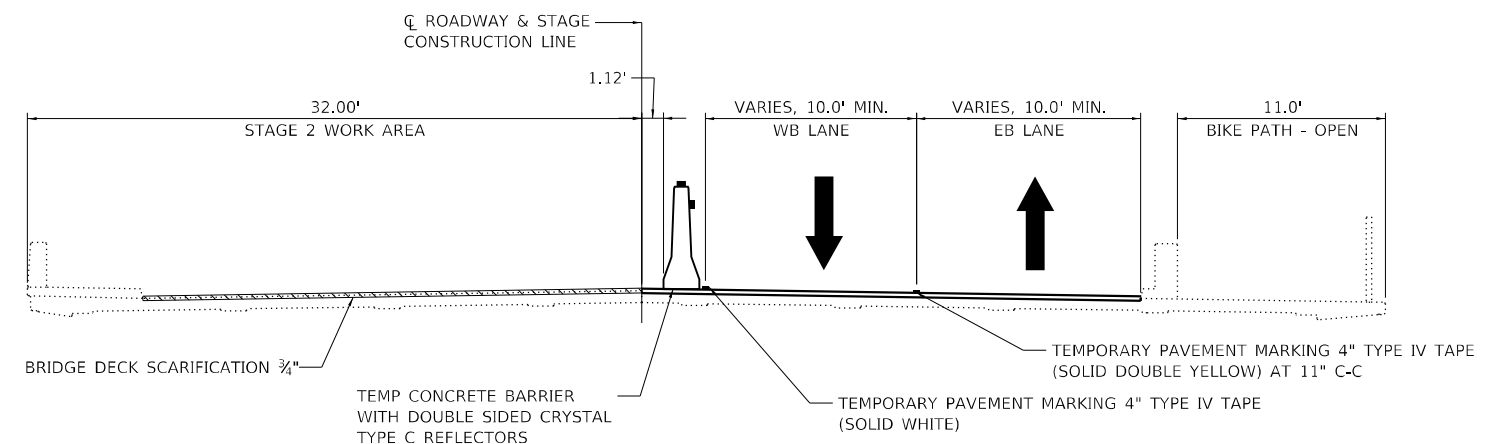
STAGE 2 NOTES:

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



BRIDGE TYPICAL SECTION - STAGE I

STA. 08+45.90 TO STA. 11+54.67
(LOOKING EAST)



BRIDGE TYPICAL SECTION - STAGE 2

STA. 08+45.90 TO STA. 11+54.67
(LOOKING EAST)

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION







MAINTENANCE OF TRAFFIC - TYPICAL SECTIONS AND GENERAL NOTES
F.A.U. ROUTE 1273 (DUNDEE RD) OVER SKOKIE RIVER

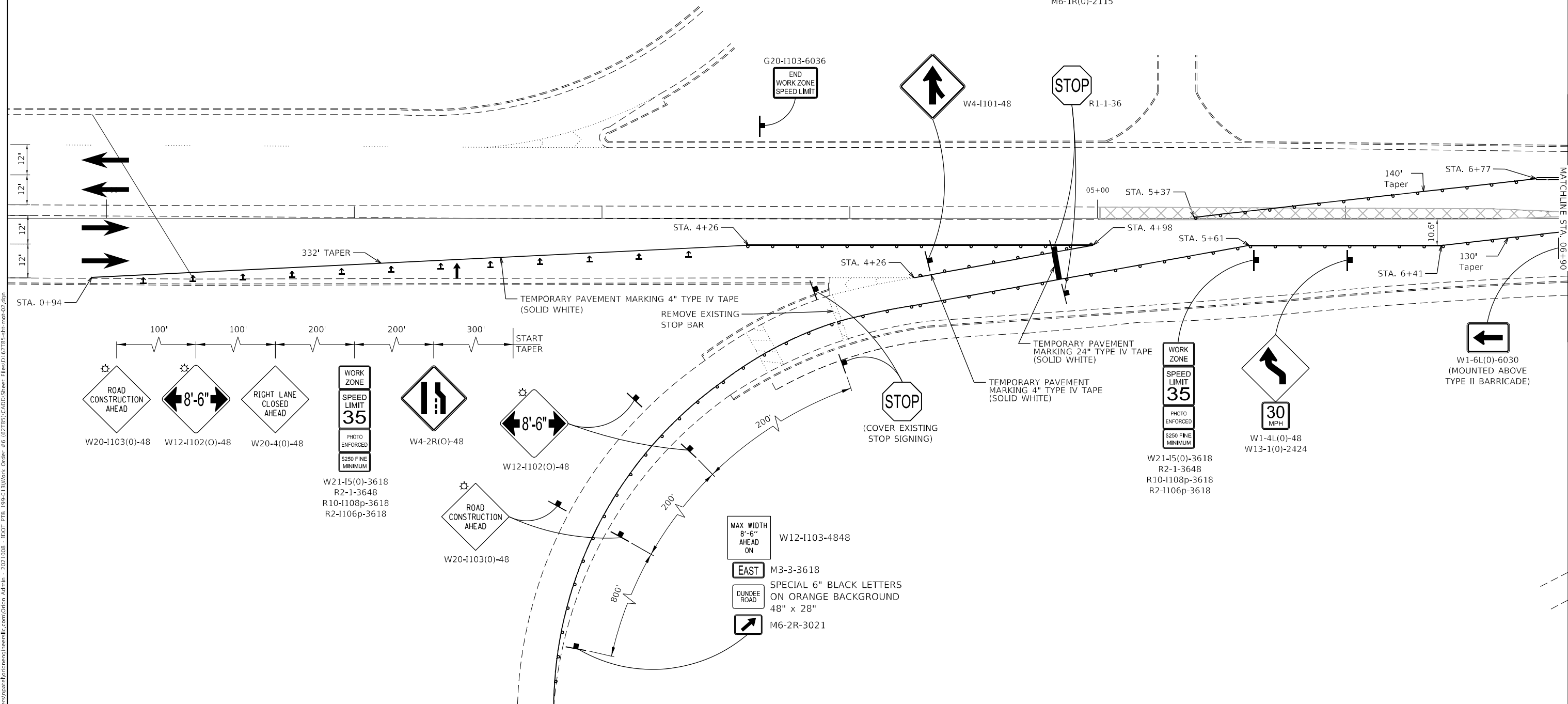
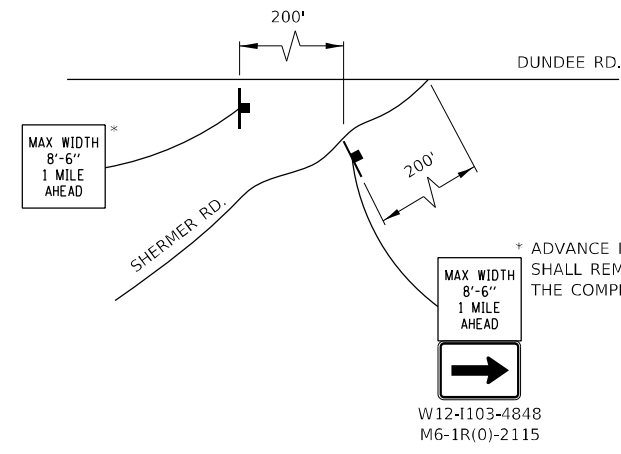
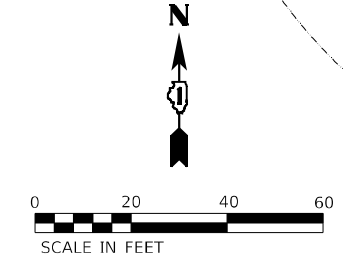
SCALE: SHEET 1 OF 7 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1273	FAU 1273 22 BJ	COOK	34	8
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62T85	

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PLOT DATE = 1/30/2024	CHECKED -	REVISED -
	DATE -	REVISED -

LEGEND

-  TRAFFIC SIGN
-  NEW HMA PAVEMENT
-  TYPE II BARRICADE OR DRUM AT 50' C-C (TANGENT) AND 20' C-C (TAPERS)
-  DIRECTION OF TRAFFIC
-  FLASHING ARROW BOARD
-  DIRECTION INDICATOR BARRICADE AT 25' C-C



USER NAME = npatel	DESIGNED -	REVISED -
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






**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

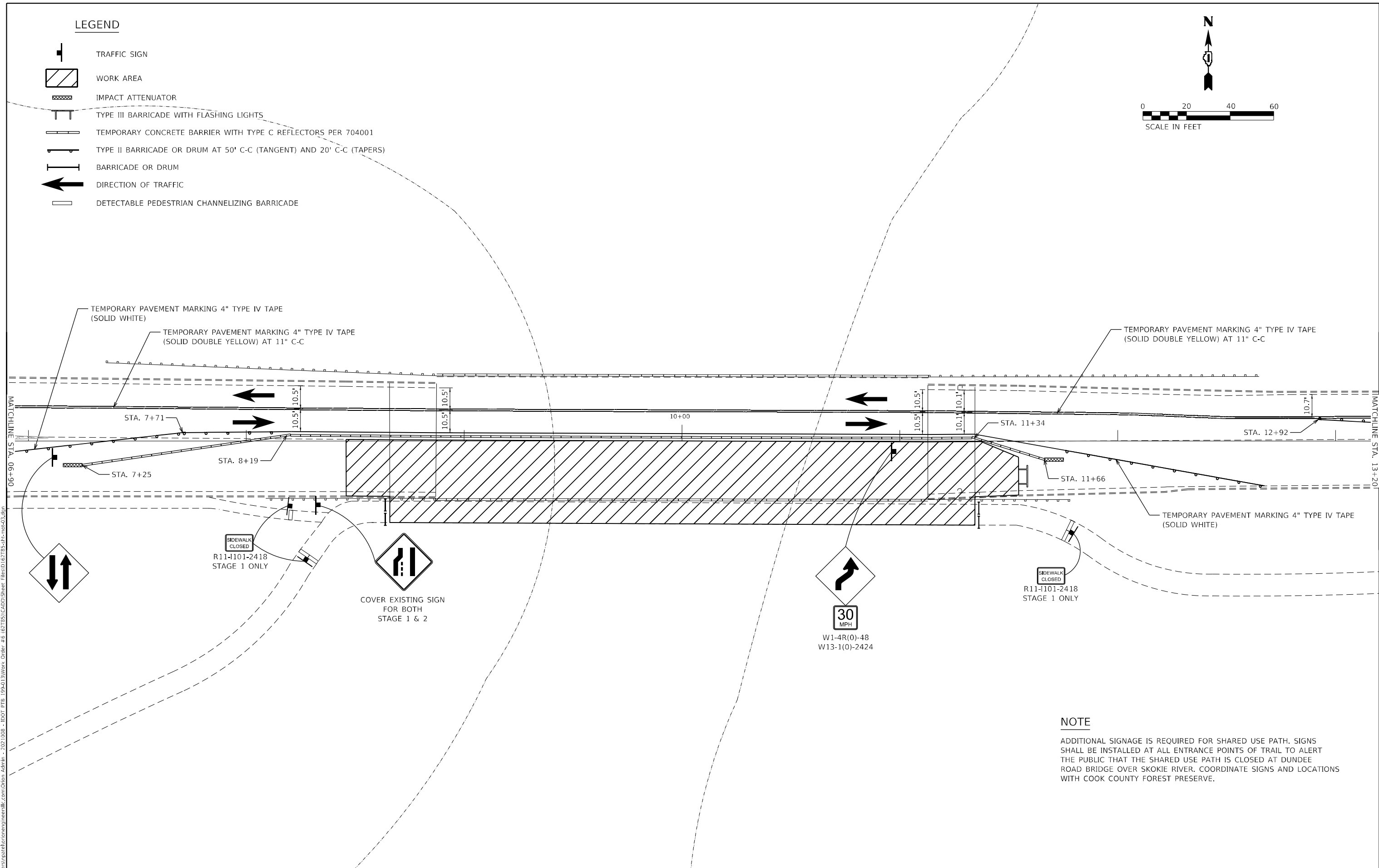
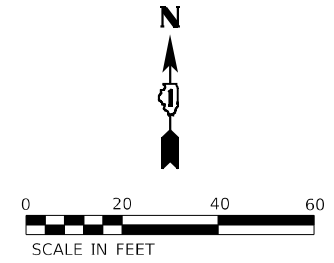
**MAINTANENCE OF TRAFFIC - STAGE I (1 OF 3)
F.A.U. ROUTE 1273 (DUNDEE RD) OVER SKOKIE RIVER**

F.A.U. RTE. 1273	SECTION FAU 1273 22 BJ	COUNTY COOK	TOTAL SHEETS 34	SHEET NO. 9
CONTRACT NO. 62785				
ILLINOIS FED. AID PROJECT				

SCALE: SHEET 2 OF 7 SHEETS STA. TO STA.

LEGEND

-  TRAFFIC SIGN
-  WORK AREA
-  IMPACT ATTENUATOR
-  TYPE III BARRICADE WITH FLASHING LIGHTS
-  TEMPORARY CONCRETE BARRIER WITH TYPE C REFLECTORS PER 704001
-  TYPE II BARRICADE OR DRUM AT 50' C-C (TANGENT) AND 20' C-C (TAPERS)
-  BARRICADE OR DRUM
-  DIRECTION OF TRAFFIC
-  DETECTABLE PEDESTRIAN CHANNELIZING BARRICADE



NOTE
 ADDITIONAL SIGNAGE IS REQUIRED FOR SHARED USE PATH. SIGNS SHALL BE INSTALLED AT ALL ENTRANCE POINTS OF TRAIL TO ALERT THE PUBLIC THAT THE SHARED USE PATH IS CLOSED AT DUNDEE ROAD BRIDGE OVER SKOKIE RIVER. COORDINATE SIGNS AND LOCATIONS WITH COOK COUNTY FOREST PRESERVE.

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


**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

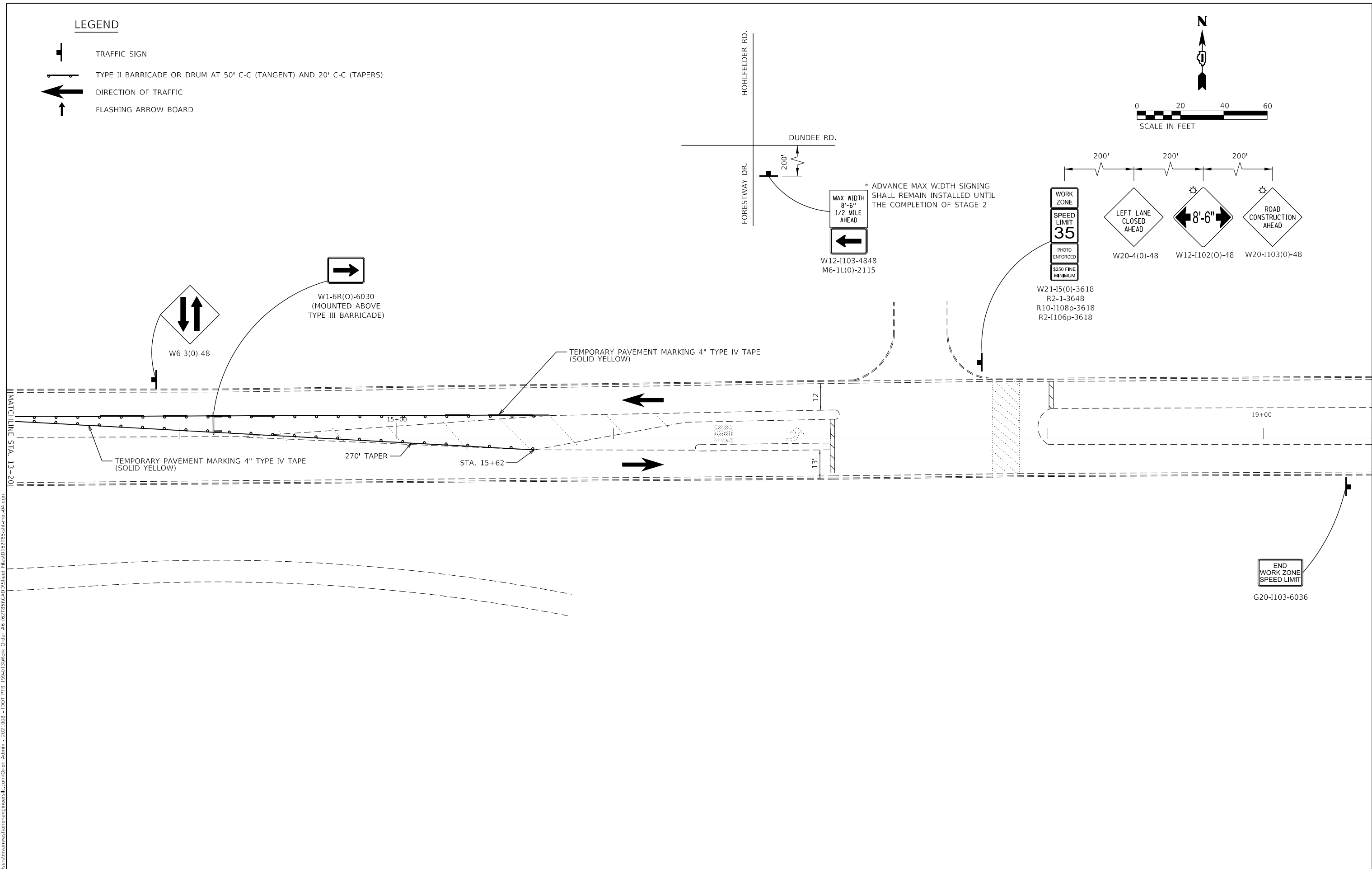
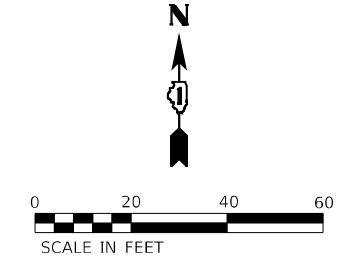
**MAINTANENCE OF TRAFFIC – STAGE I (2 OF 3)
 F.A.U. ROUTE 1273 (DUNDEE RD) OVER SKOKIE RIVER**

F.A.U. RTE. 1273	SECTION FAU 1273 22 BJ	COUNTY COOK	TOTAL SHEETS 34	SHEET NO. 10
CONTRACT NO. 62T85			ILLINOIS FED. AID PROJECT	

SCALE: SHEET 3 OF 7 SHEETS STA. TO STA.

LEGEND

-  TRAFFIC SIGN
-  TYPE II BARRICADE OR DRUM AT 50' C-C (TANGENT) AND 20' C-C (TAPERS)
-  DIRECTION OF TRAFFIC
-  FLASHING ARROW BOARD



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
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

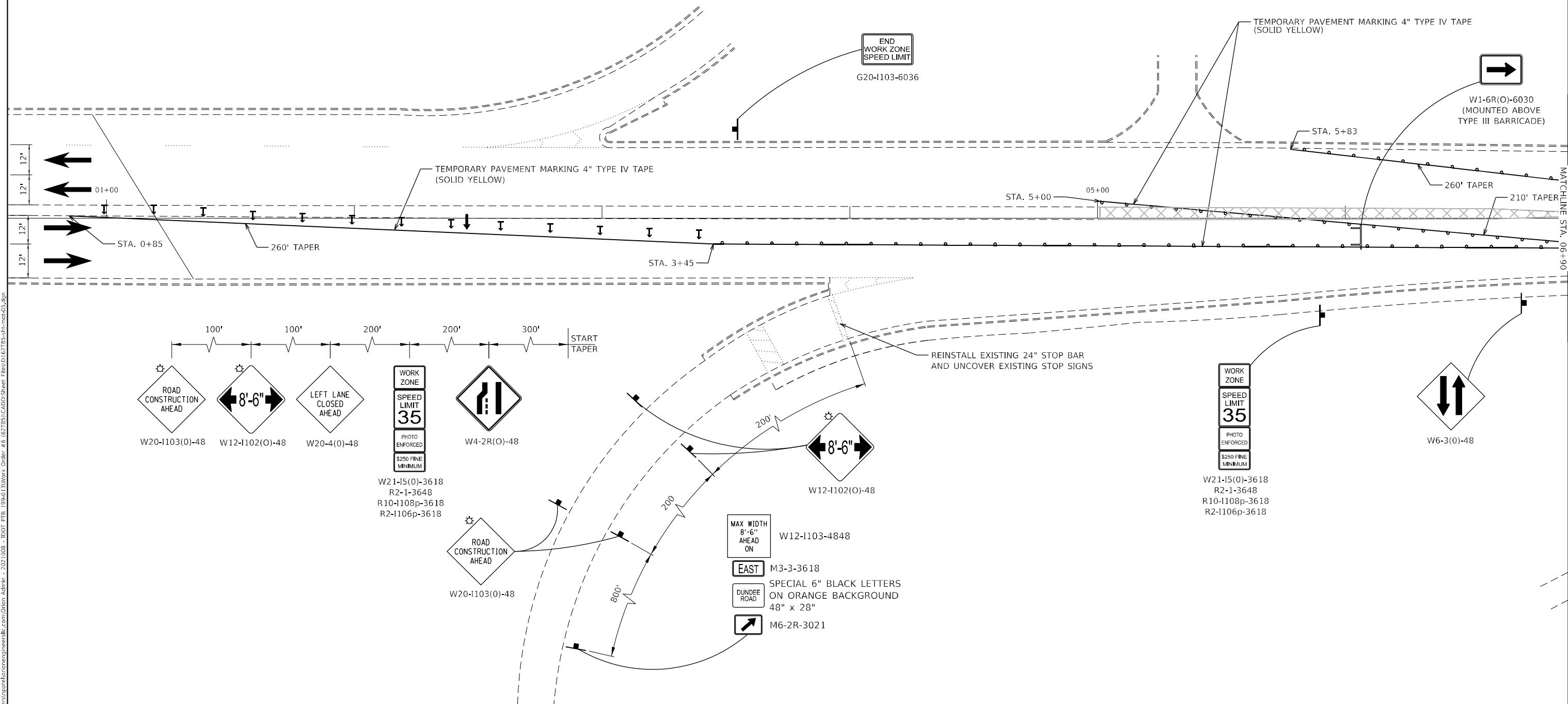
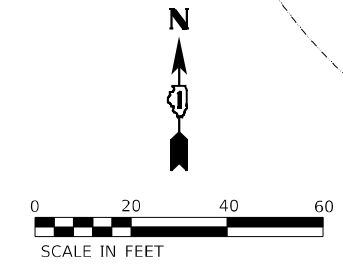
MAINTANENCE OF TRAFFIC - STAGE I (3 OF 3)
F.A.U. ROUTE 1273 (DUNDEE RD) OVER SKOKIE RIVER

SCALE: _____ SHEET 4 OF 7 SHEETS STA. _____ TO STA. _____

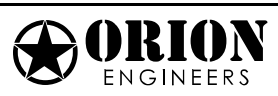
F.A.U. RTE. 1273	SECTION FAU 1273 22 BJ	COUNTY COOK	TOTAL SHEETS 34	SHEET NO. 11
ILLINOIS			FED. AID PROJECT	

LEGEND

-  TRAFFIC SIGN
-  NEW HMA PAVEMENT
-  TYPE II BARRICADE OR DRUM AT 50' C-C (TANGENT) AND 20' C-C (TAPERS)
-  DIRECTION OF TRAFFIC
-  FLASHING ARROW BOARD
-  DIRECTION INDICATOR BARRICADE AT 25' C-C



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


**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

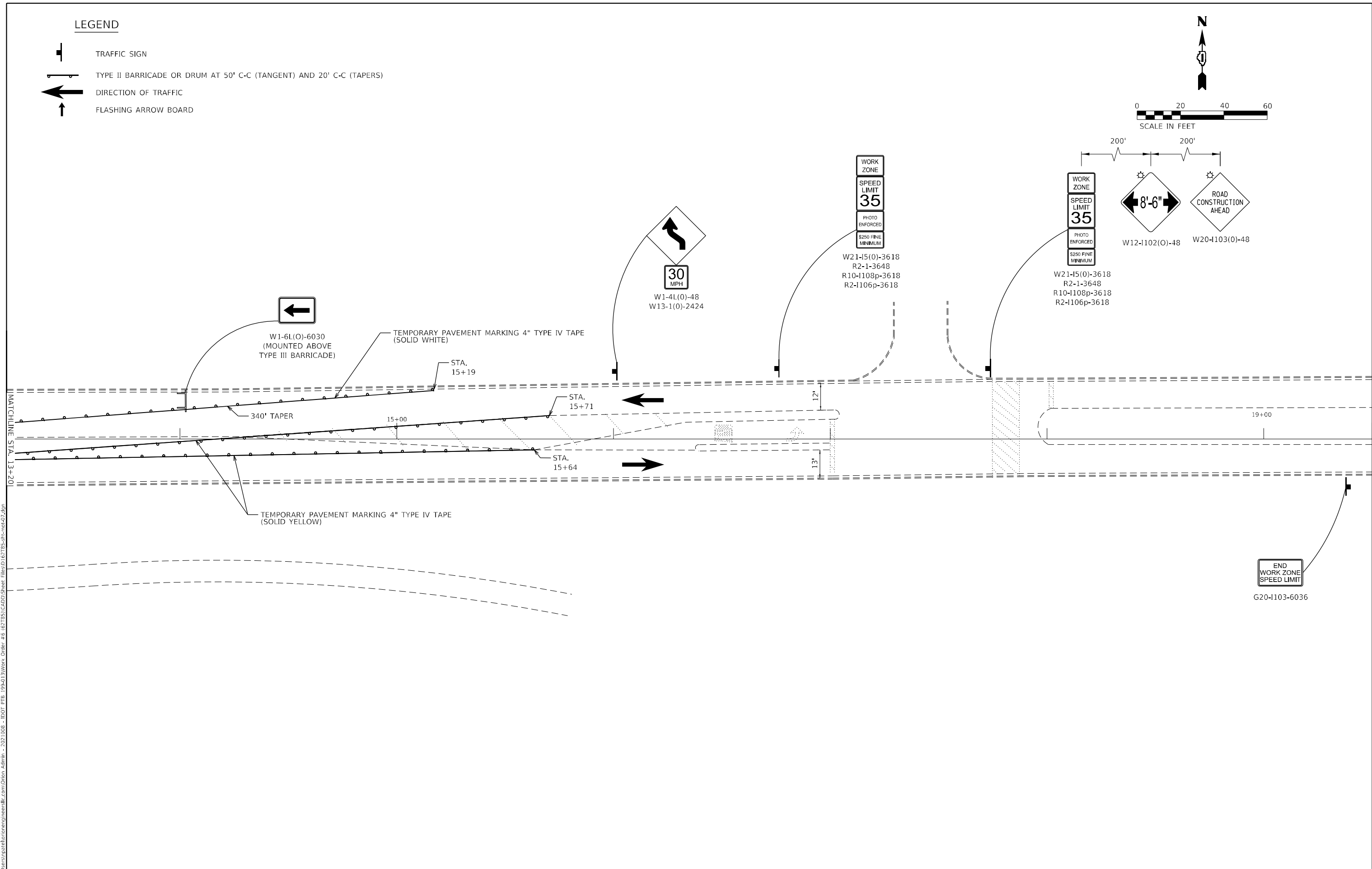
**MAINTANENCE OF TRAFFIC – STAGE II (1 OF 3)
F.A.U. ROUTE 1273 (DUNDEE RD) OVER SKOKIE RIVER**

F.A.U. RTE. 1273	SECTION FAU 1273 22 BJ	COUNTY COOK	TOTAL SHEETS 34	SHEET NO. 12
CONTRACT NO. 62785			ILLINOIS FED. AID PROJECT	

SCALE: SHEET 5 OF 7 SHEETS STA. TO STA.

LEGEND

-  TRAFFIC SIGN
-  TYPE II BARRICADE OR DRUM AT 50' C-C (TANGENT) AND 20' C-C (TAPERS)
-  DIRECTION OF TRAFFIC
-  FLASHING ARROW BOARD



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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAINTANENCE OF TRAFFIC – STAGE II (3 OF 3)
F.A.U. ROUTE 1273 (DUNDEE RD) OVER SKOKIE RIVER**

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1273	FAU 1273 22 BJ	COOK	34	14
CONTRACT NO. 62T85			ILLINOIS FED. AID PROJECT	

SCALE: SHEET 7 OF 7 SHEETS STA. TO STA.

END WORK ZONE SPEED LIMIT
G20-I103-6036

Existing Structure: S.N. 016-0940 was constructed in 1985 and consists of 5-span bridge with a 7½" reinforced concrete deck on 27" deep steel beams, measuring 230'-6" back-to-back abutments, 70'-9" out-to-out width, and no skew. The substructure consists of reinforced concrete stub abutments and reinforced concrete piers.

Traffic Control: Stage construction will be utilized to maintain one lane of traffic in each direction at all times.

No Salvage

DESIGN STRESSES

FIELD UNITS - NEW CONSTRUCTION
f'c = 4,000 psi (Superstructure)
*f*y = 60,000 psi (Reinforcement)
*f*y = 50,000 psi (M270 Grade 50)

DESIGN LOADING

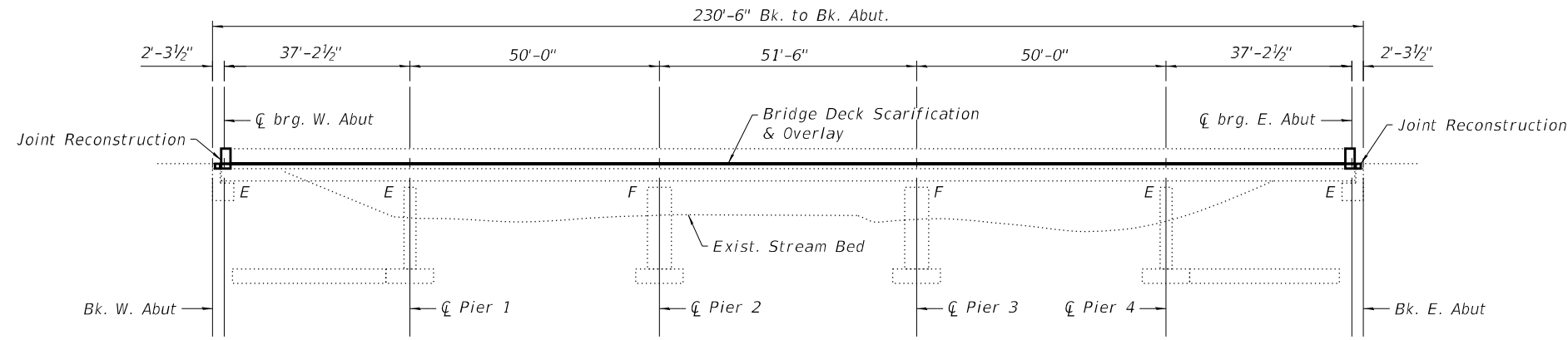
(Original Construction)
 Live Load: HS - 20

DESIGN SPECIFICATIONS

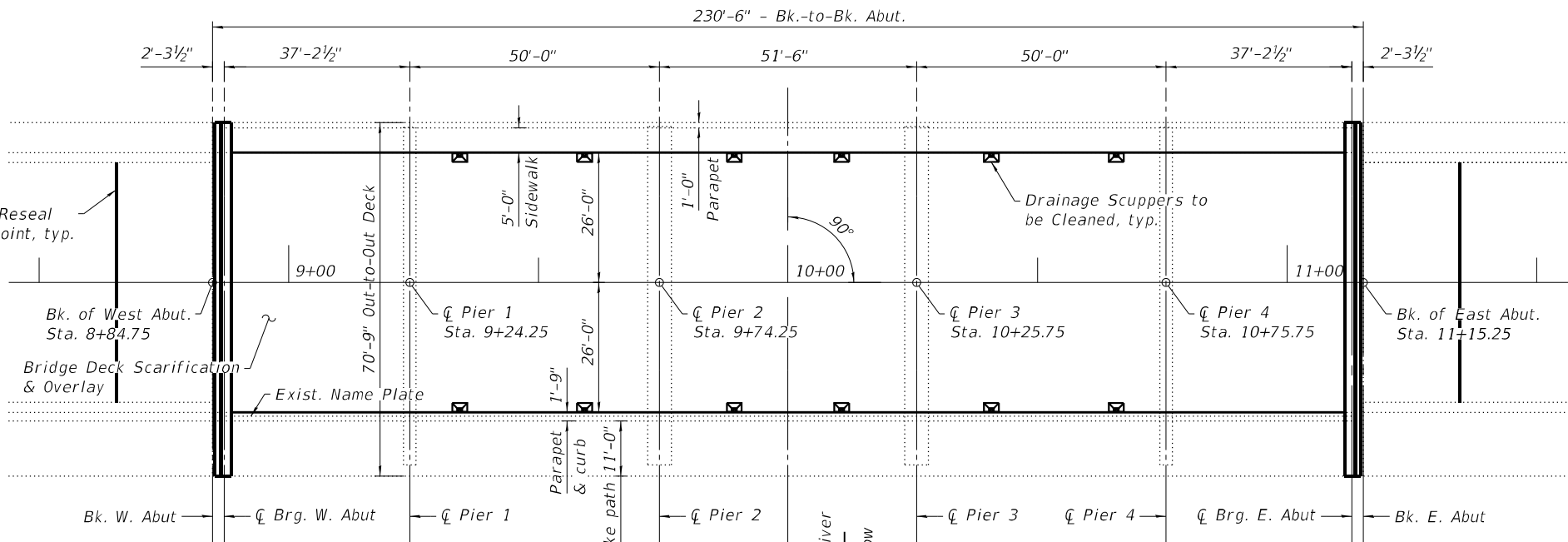
2002 AASHTO Standard Specifications
 17th Edition

INDEX OF SHEETS

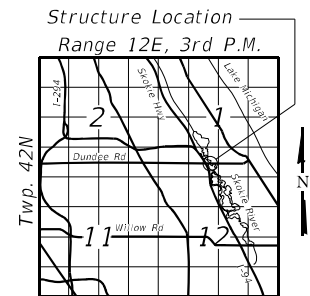
- S1 - General Plan And Elevation
- S2 - General Data
- S3 - Stage Construction Details
- S4 - Deck Plan Repairs (1 Of 2)
- S5 - Deck Plan Repairs (2 Of 2)
- S6 - Expansion Joint Details
- S7 - Bar Splicer Assembly And Mechanical Splicer Details
- S8 - Preformed Joint Strip Seal-Sidewalk (1 Of 3)
- S9 - Preformed Joint Strip Seal-Sidewalk (2 Of 3)
- S10 - Preformed Joint Strip Seal-Sidewalk (2 Of 3)
- S11 - Framing Plan
- S12 - Diaphragm Replacement Details
- S13 - Beam Repair Details
- S14 - Bearing Replacement Details



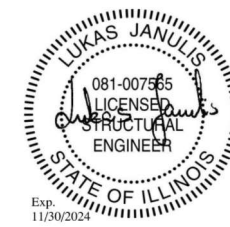
ELEVATION



PLAN



LOCATION SKETCH



**GENERAL PLAN AND ELEVATION
 DUNDEE ROAD OVER SKOKIE RIVER
 F.A.U. ROUTE 1273 - SEC. 22-BJ
 COOK COUNTY
 STA. 8+84.75 TO STA. 11+15.25
 STRUCTURE NO. 016-0940**

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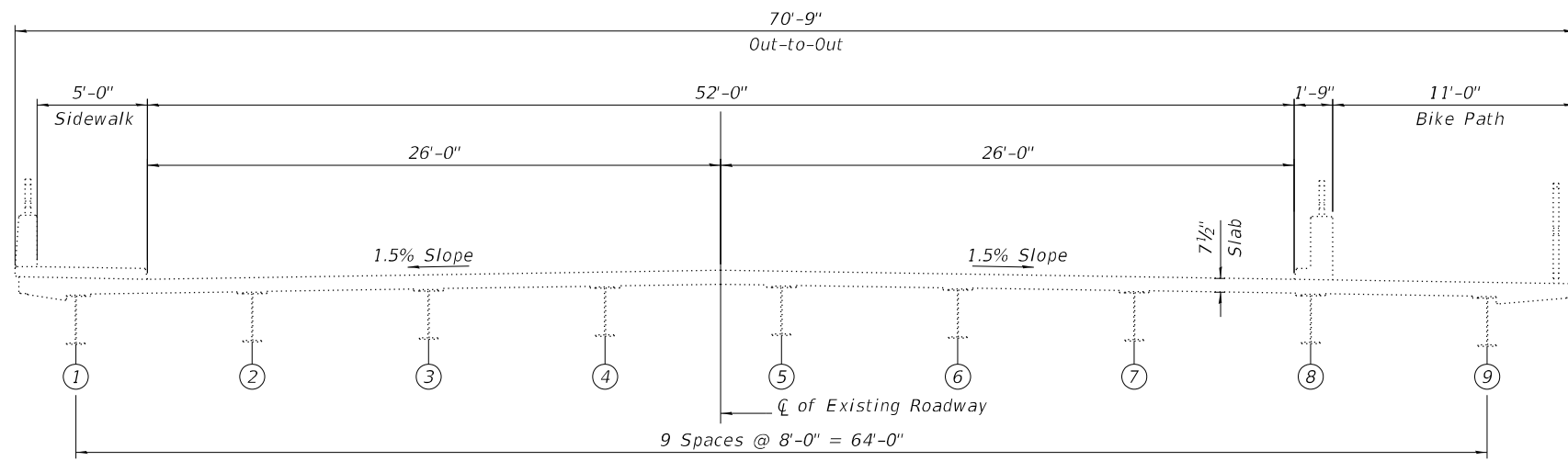
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**GENERAL PLAN AND ELEVATION
 STRUCTURE NO. 016-0940**

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1273	FAU 1273 22 BJ	COOK	34	15
CONTRACT NO. 62785				

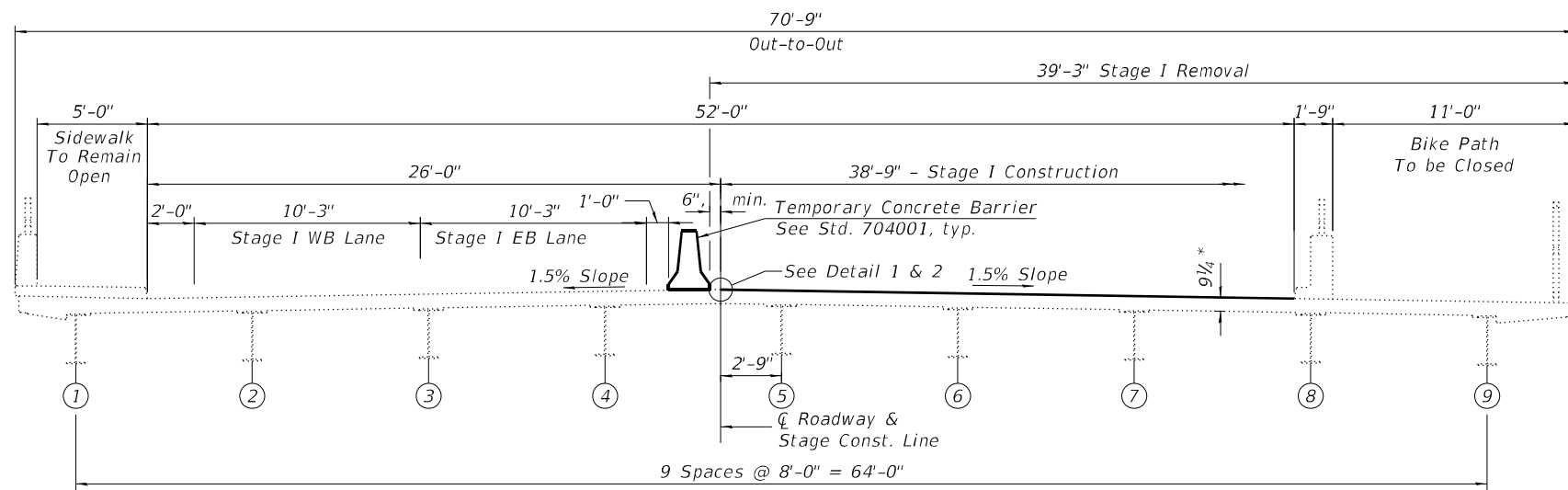
SHEET S1 OF S14 SHEETS

ILLINOIS FED. AID PROJECT



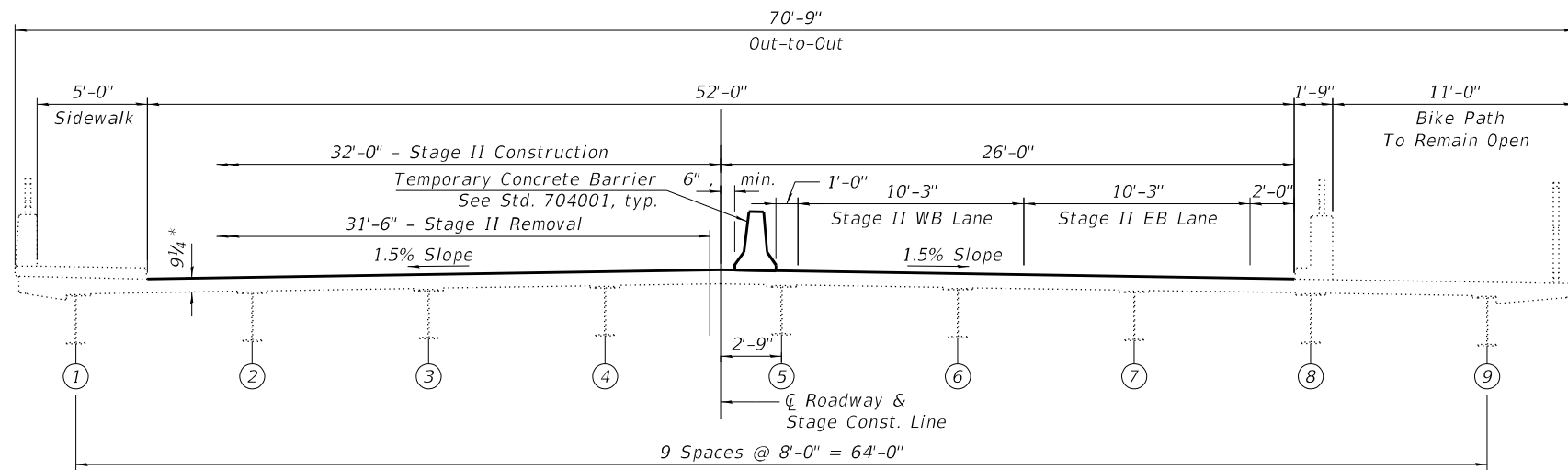
EXISTING

(Looking East)



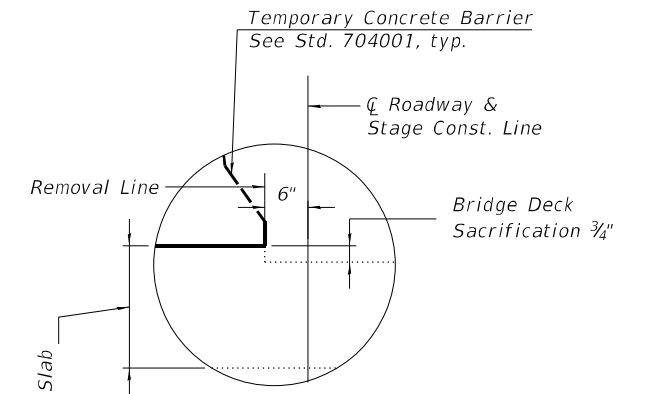
STAGE I

(Looking East)

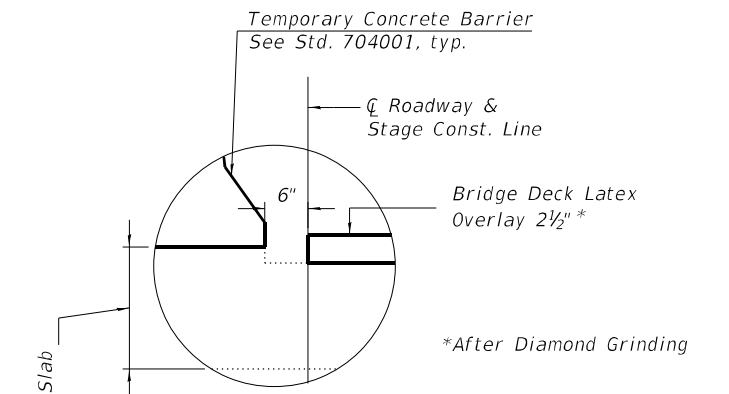


STAGE II

(Looking East)



DETAIL 1 (Showing Removal)



DETAIL 2 (Showing Proposed)

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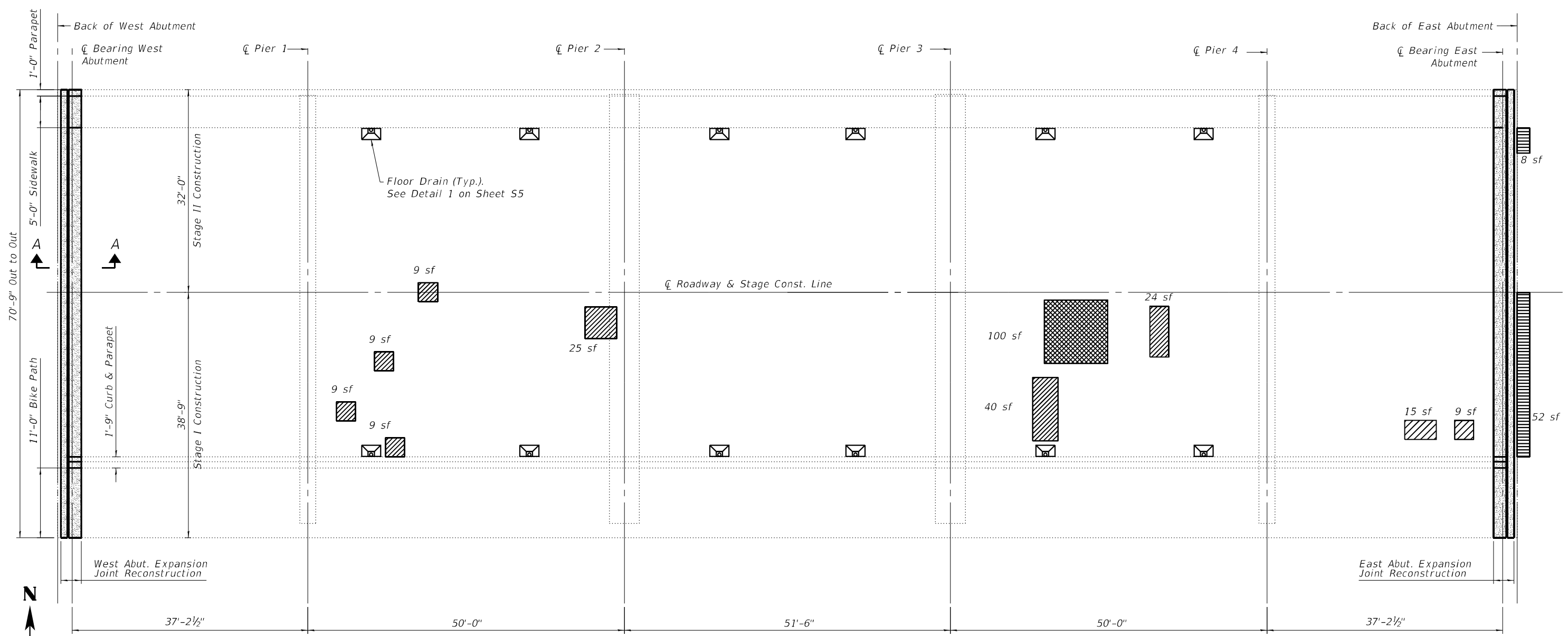
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**STAGE CONSTRUCTION DETAILS
STRUCTURE NO. 016-0940**

SHEET 53 OF 514 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1273	FAU 1273 22 BJ	COOK	34	17
CONTRACT NO. 62T85			ILLINOIS FED. AID PROJECT	

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DECK PLAN

LEGEND

- Concrete Removal
- Concrete Superstructure
- Approach Slab Repair (Partial Depth)
- Deck Slab Repair (Full Depth, Type I)
- Deck Slab Repair (Partial Depth)*

*Deck Slab Repair (Partial Depth) to be paid under Bridge Deck Latex Concrete Overlay

BILL OF MATERIAL

ITEM	UNIT	TOTAL
Concrete Removal	Cu. Yd.	16.2
Concrete Superstructure	Cu. Yd.	19.0
Bridge Deck Grooving (Longitudinal)	Sq. Yd.	1,252
Protective Coat	Sq. Yd.	1,366
Approach Slab Repair (Partial Depth)	Sq. Yd.	7
Bridge Deck Latex Concrete Overlay, 2 3/4"	Sq. Yd.	1,289
Bridge Deck Scarification 3/4"	Sq. Yd.	1,289
Deck Slab Repair (Full Depth, Type I)	Sq. Yd.	11
Structural Repair Of Concrete (Depth Equal To Or Less Than 5 Inches)	Sq. Ft.	9
Diamond Grinding (Bridge Section)	Sq. Yd.	1,211

NOTES

1. Deck Slab Repair areas estimated based on District 1 Bureau of Maintenance field notes and the visual inspection completed in November 2022. Actual repair areas and locations shall be determined by the Engineer and shown on the as-built plans.
2. Bridge Deck Scarification, 3/4" and Bridge Deck Latex Concrete Overlay, 2 3/4" shall be performed over the limits of the bridge deck, excluding the transverse joint reconstruction areas.
3. Diamond Grinding shall be performed over the limits of the bridge deck excluding exterior 2 feet.
4. Protective coat shall be applied to the proposed concrete overlay, inside faces of the curbs, and the transverse joint reconstruction areas.
5. The Contractor is responsible for preventing debris from falling into the waterway.
6. See Roadway Plan for Approach Slab Overlay.
7. For Section A-A and Detail 1, see Sheet S5.



USER NAME =	DESIGNED - LJ	REVISED -
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

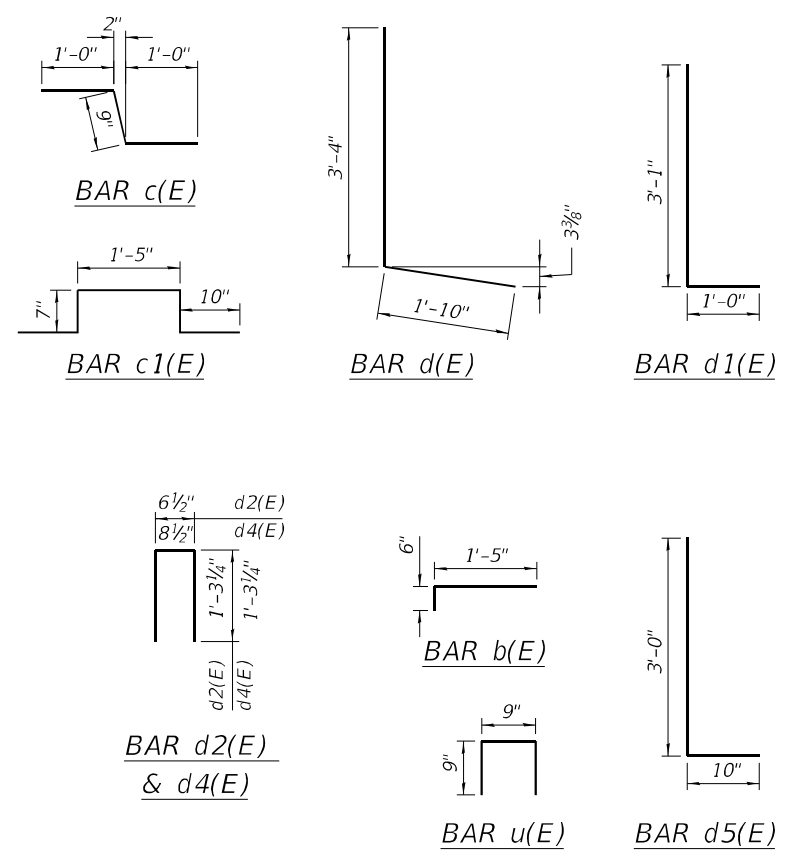
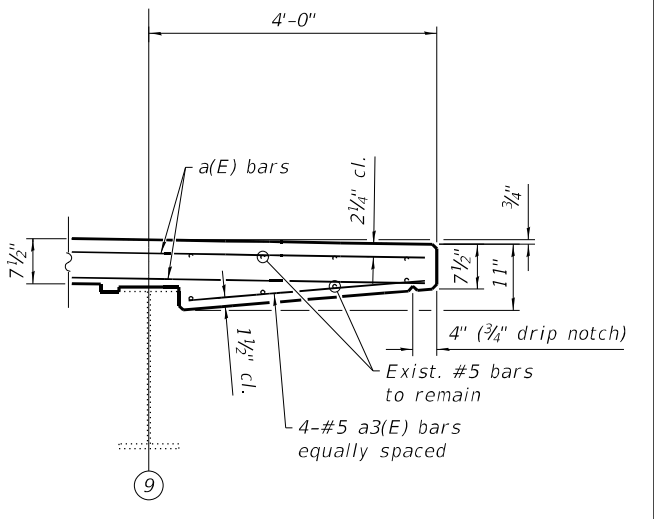
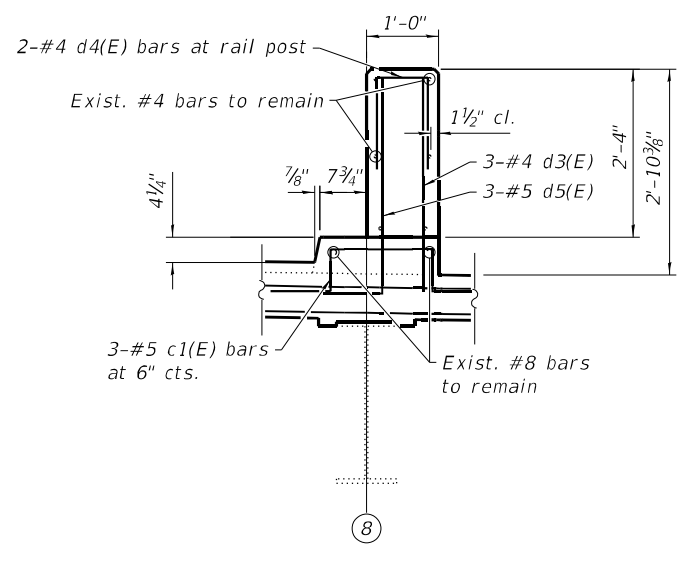
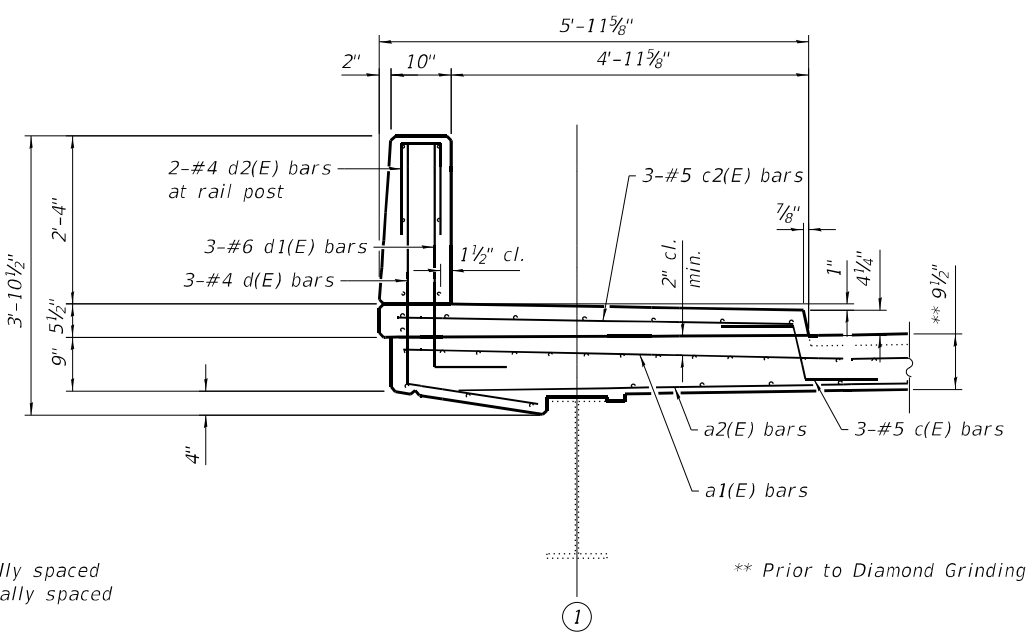
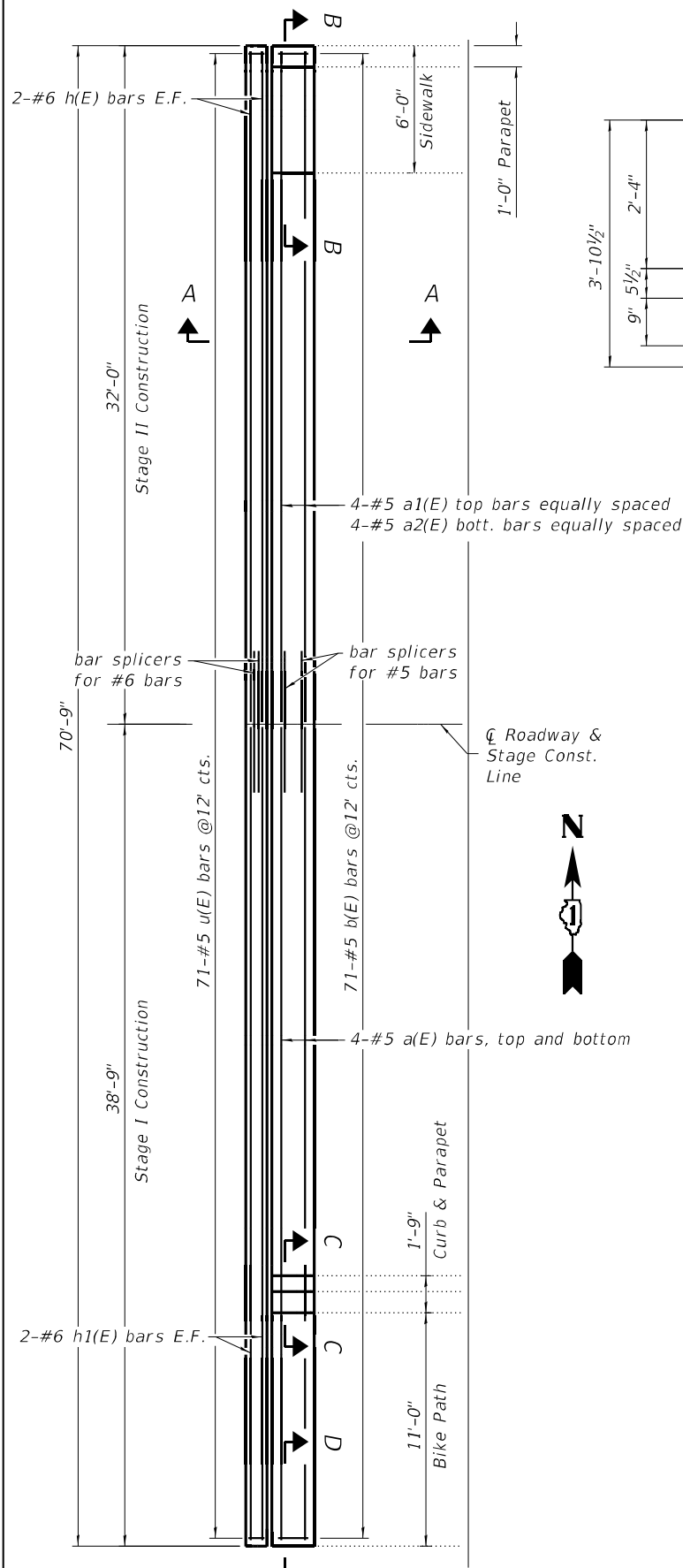
**DECK PLAN REPAIRS (1 OF 2)
 STRUCTURE NO. 016-0940**

SHEET S4 OF S14 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1273	FAU 1273 22 BJ	COOK	34	18
CONTRACT NO. 62T85				

ILLINOIS FED. AID PROJECT

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BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a(E)	16	#5	38'-6"	—
a1(E)	8	#5	31'-7"	—
a2(E)	8	#5	30'-9"	—
a3(E)	8	#5	3'-4"	—
b(E)	142	#5	1'-11"	┌
h(E)	8	#6	31'-6"	—
h1(E)	8	#6	38'-5"	—
u(E)	142	#5	2'-3"	□
c(E)	6	#5	2'-9"	┌
c1(E)	6	#5	4'-3"	┌
c2(E)	6	#5	5'-6"	—
d(E)	6	#4	5'-2"	└
d1(E)	6	#6	4'-1"	└
d2(E)	4	#4	3'-1"	┌
d3(E)	6	#4	3'-0"	—
d4(E)	4	#4	3'-3"	┌
d5(E)	6	#5	3'-10"	└
Reinforcement Bars. Epoxy Coated			Pound	2,830

NOTES

For details of Preformed Joint Strip Seal Expansion Joints, see Sheet S8-S10.

For Section A-A, see Sheet S5.

Existing reinforcement shall be cleaned, straightened and incorporated into the new construction. Cost included with Concrete Removal.

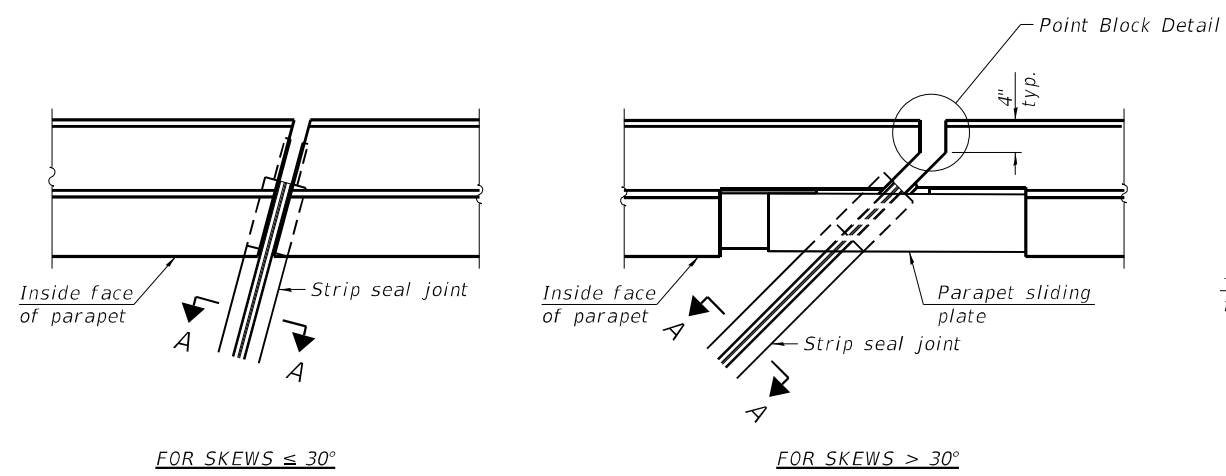
Any reinforcement bars that are damaged during concrete removal operations shall be repaired or replaced using an approved bar splicer or anchorage system. Cost included with Concrete Removal.

The Contractor shall exercise care during removal of existing joints to ensure that the slab, beams and diaphragms integrity will not be detrimentally impacted. The contractor shall repair any damage(s) to the slabs, beams, and diaphragms caused by his operation as directed by the engineer at no additional cost to the Department.

Joint at West Abutment shown, East Abutment Opposite hand.
 Sidewalk and Parapet reinforcement not shown for clarity.
 See Sections B-B, C-C, and D-D this Sheet (S6).

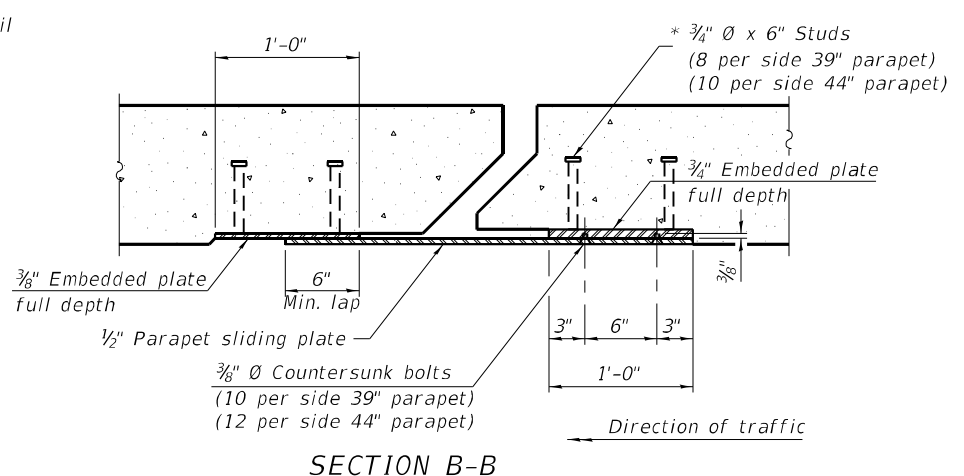
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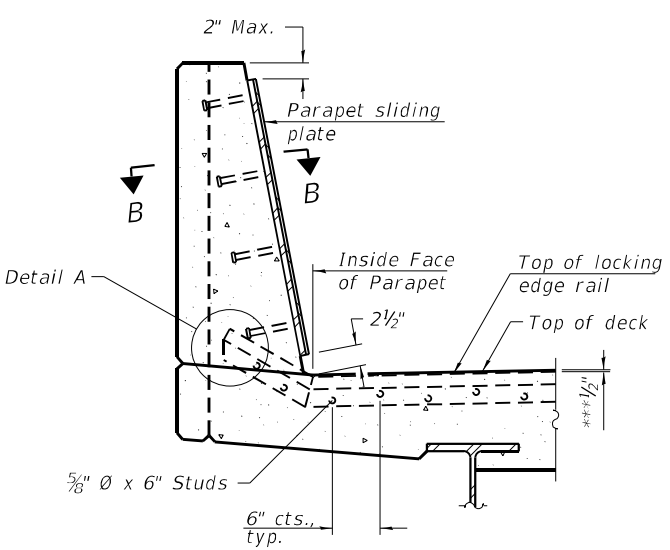


FOR SKEWS $\leq 30^\circ$

PLAN AT PARAPET

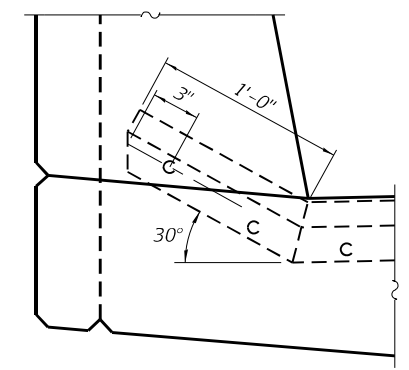


SECTION B-B

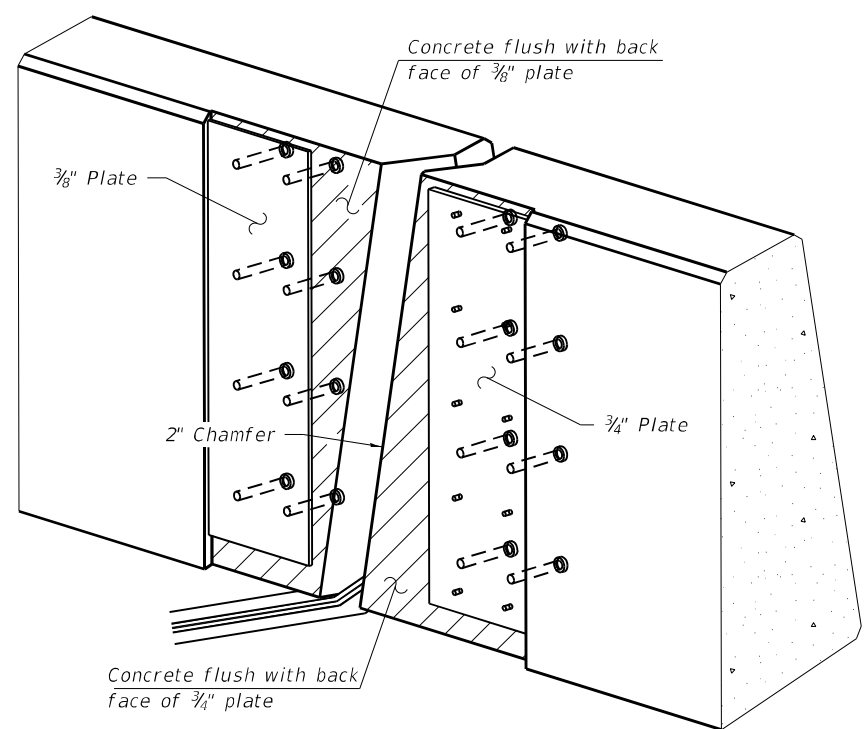


SECTION AT PARAPET

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

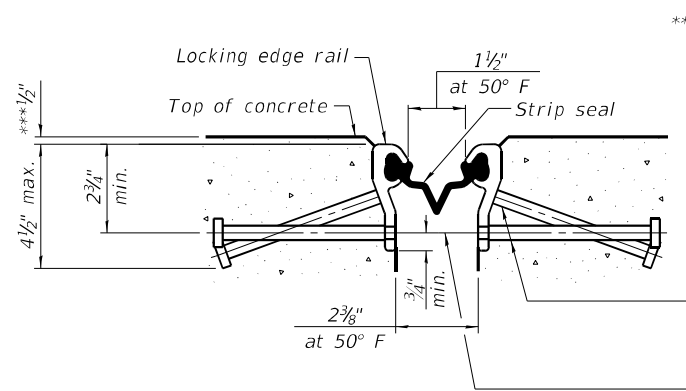


DETAIL A



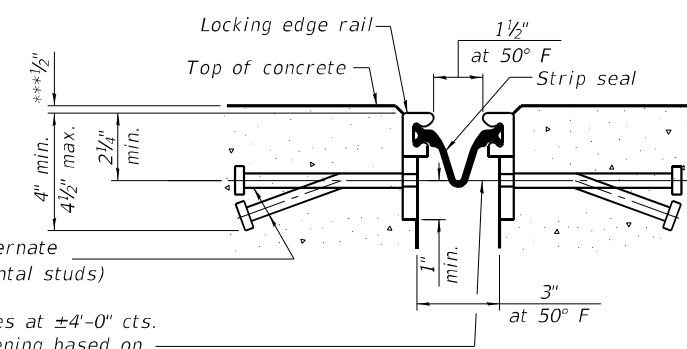
TRIMETRIC VIEW

(Showing embedded plates only)



SHOWING ROLLED RAIL JOINT

*** Prior to 1/4" Grinding



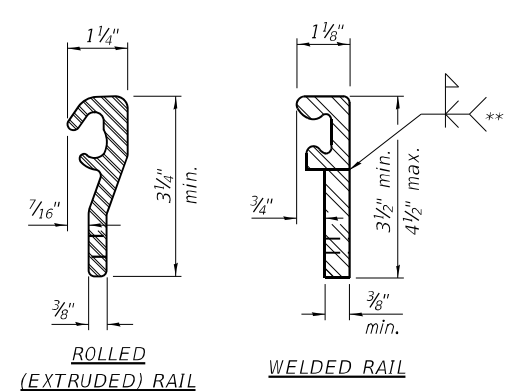
SHOWING WELDED RAIL JOINT

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

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

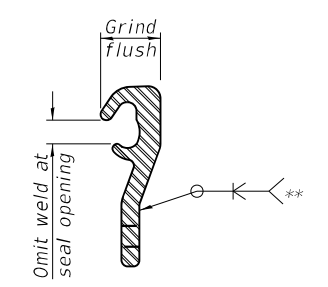
SECTION A-A

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



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	142

Notes:
 The strip seal shall be made continuous and shall have a minimum thickness of 1/4". The configuration of the strip seal shall match the configuration of the locking edge rails. Open or "webbed" strip seal gland configurations are not permitted. The gland shall be sized for a maximum rated movement of 4 inches.
 The locking edge rails depicted are configured for typical applications and are conceptual only. The actual configuration of the locking edge rails and matching strip seal may vary from manufacturer to manufacturer provided they fit the application and meet the minimum anchorage shown. Flanged edge rails, however, will not be allowed. Locking edge rails may exceed the 4 1/2" maximum depth provided the anchorage system is revised according to the manufacturer's recommendation.
 The manufacturer's recommended installation methods shall be followed.
 All steel components shall be galvanized after fabrication according to Article 520.03 of the Standard Specifications.
 The Maximum space between locking edge rail segments shall be 3/16" and sealed with a suitable sealant; however, any rail joint within 10' measured perpendicular to the face of the curb or parapet shall be welded as shown in the locking edge rail splice detail.
 The top surface of sidewalk sliding plates shall have a raised pattern according to ASTM A786.
 Cost of parapet sliding plates, sidewalk sliding plates, embedded plates, anchorage studs, and expansion anchors included with Preformed Joint Strip Seal.
 39" constant slope barrier shown, 44" constant slope barrier similar as noted.
 The concrete opening below the strip seal will vary based on the locking edge rail chosen by the Contractor. Deck and parapet lengths shown elsewhere in the plans are dimensioned to the concrete opening, not the joint opening, and are based on the rolled locking edge rail. If the Contractor elects to use a different locking edge rail, dimensional adjustments may be required. One exception to this would be the strip seal joint at the end of the precast bridge approach slab. For these cases the pavement connector length shall be adjusted, not the length of the bridge approach slab.



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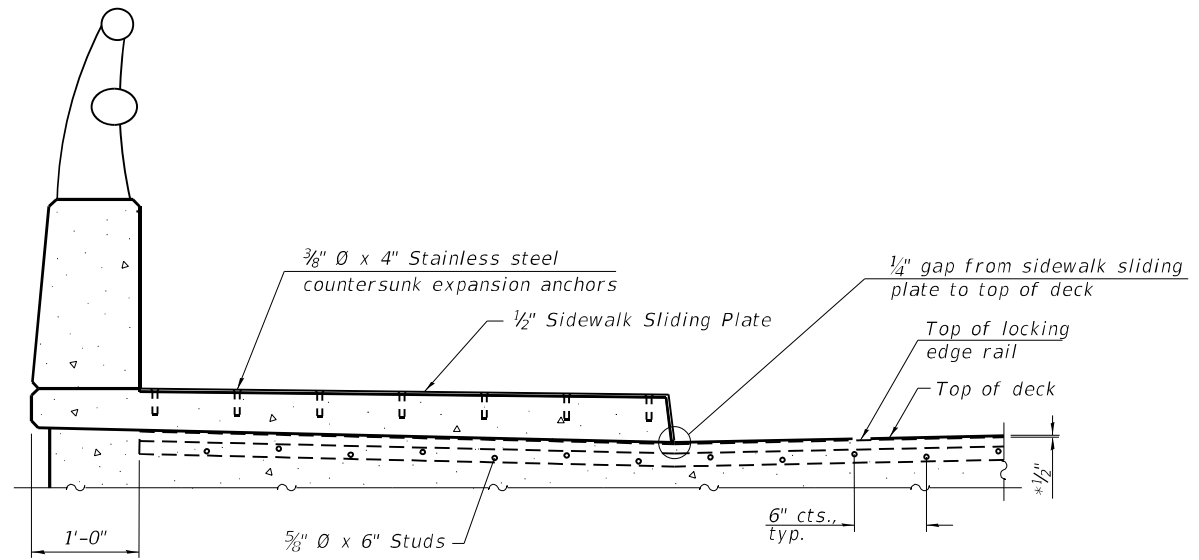
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PREFORMED JOINT STRIP SEAL - SIDEWALK (1 of 3)
 STRUCTURE NO. 016-0940

SHEET 58 OF 514 SHEETS

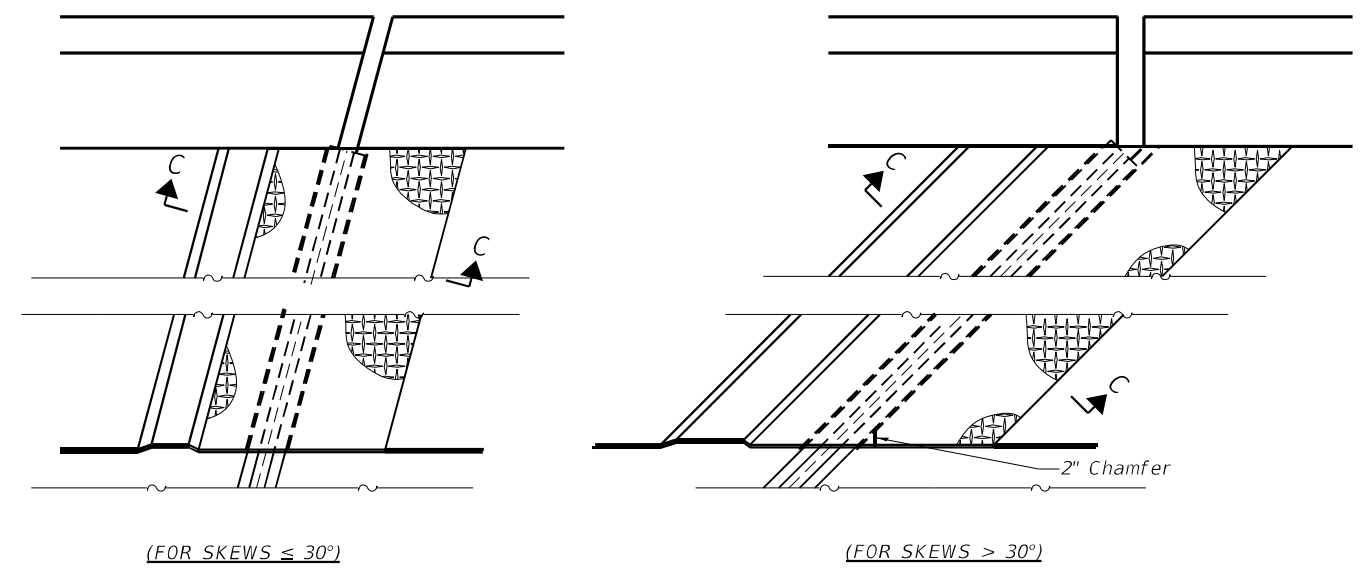
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1273	FAU 1273 22 BJ	COOK	34	22
			CONTRACT NO. 62T85	
ILLINOIS FED. AID PROJECT				

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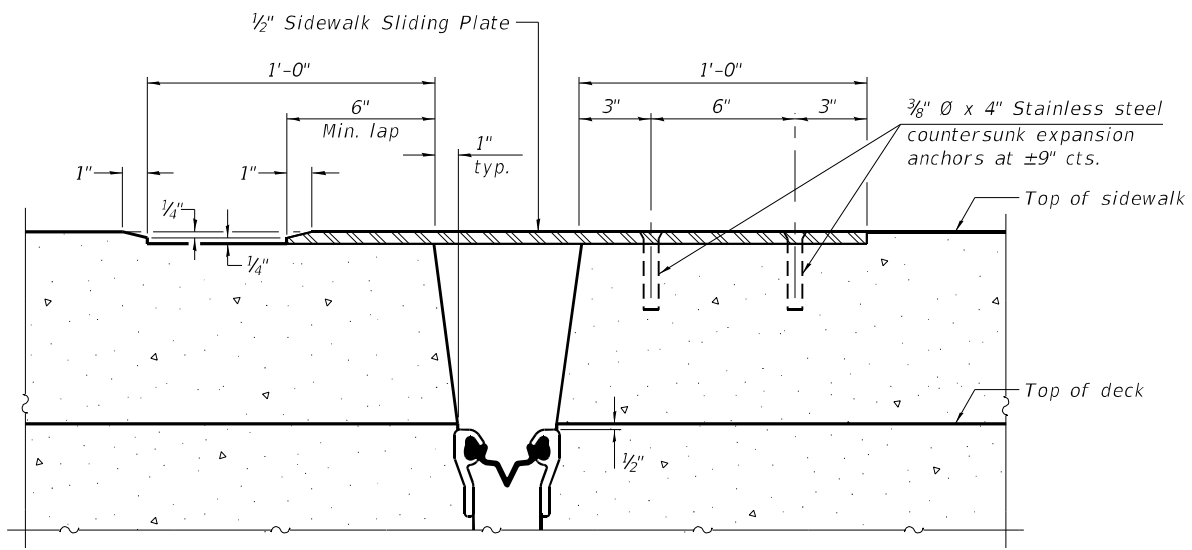


SECTION AT RAISED SIDEWALK

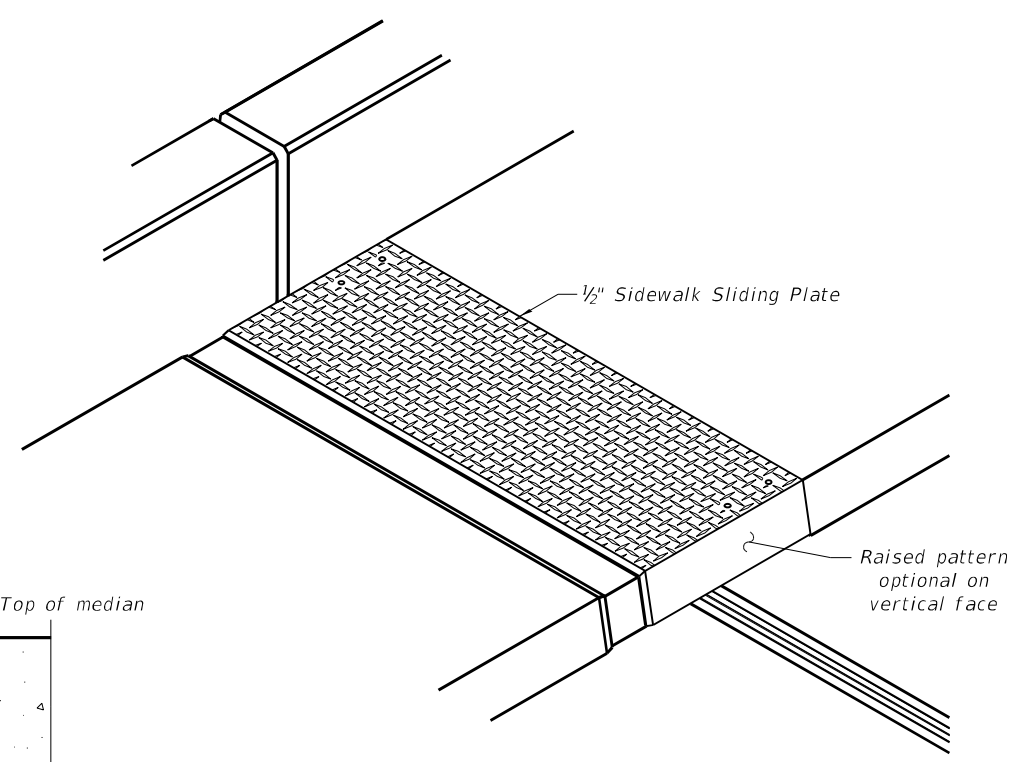
* Prior to 1/4" grinding



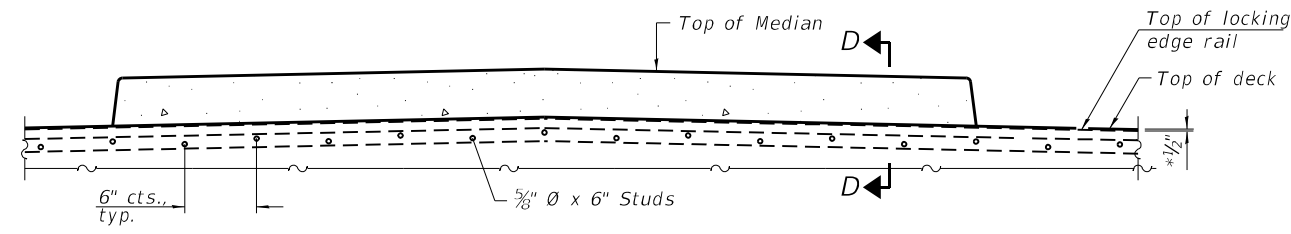
PLAN AT RAISED SIDEWALK



SECTION C-C

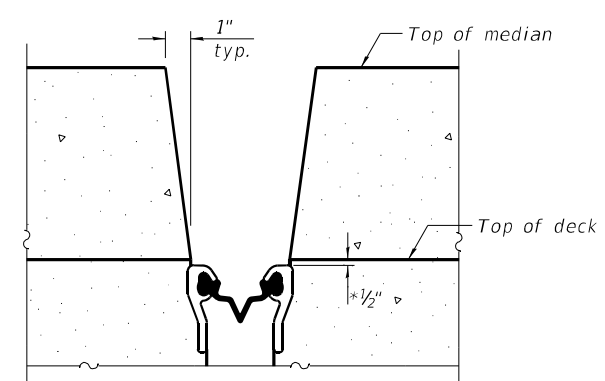


TRIMETRIC VIEW



SECTION AT MEDIAN

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



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



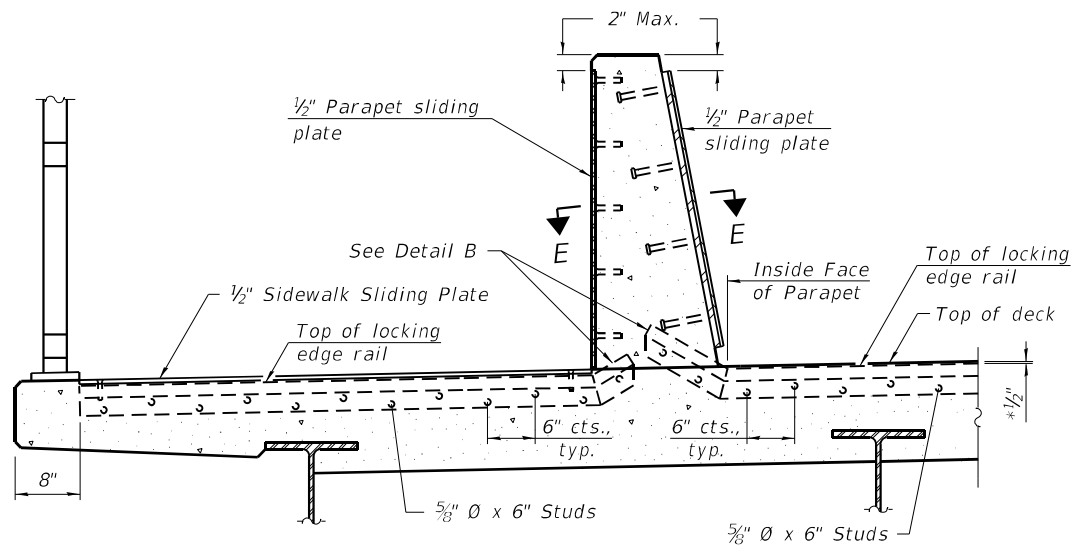
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**PREFORMED JOINT STRIP SEAL - SIDEWALK (2 of 3)
 STRUCTURE NO. 016-0940**

SHEET 59 OF 514 SHEETS

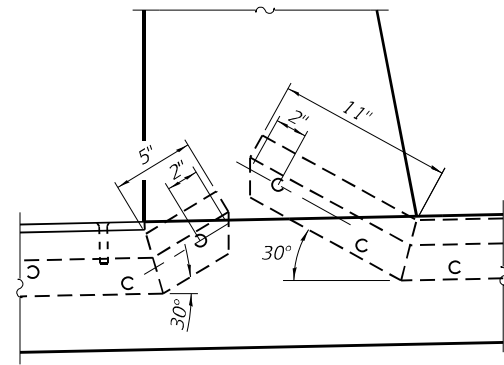
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			CONTRACT NO. 62T85	
			ILLINOIS FED. AID PROJECT	



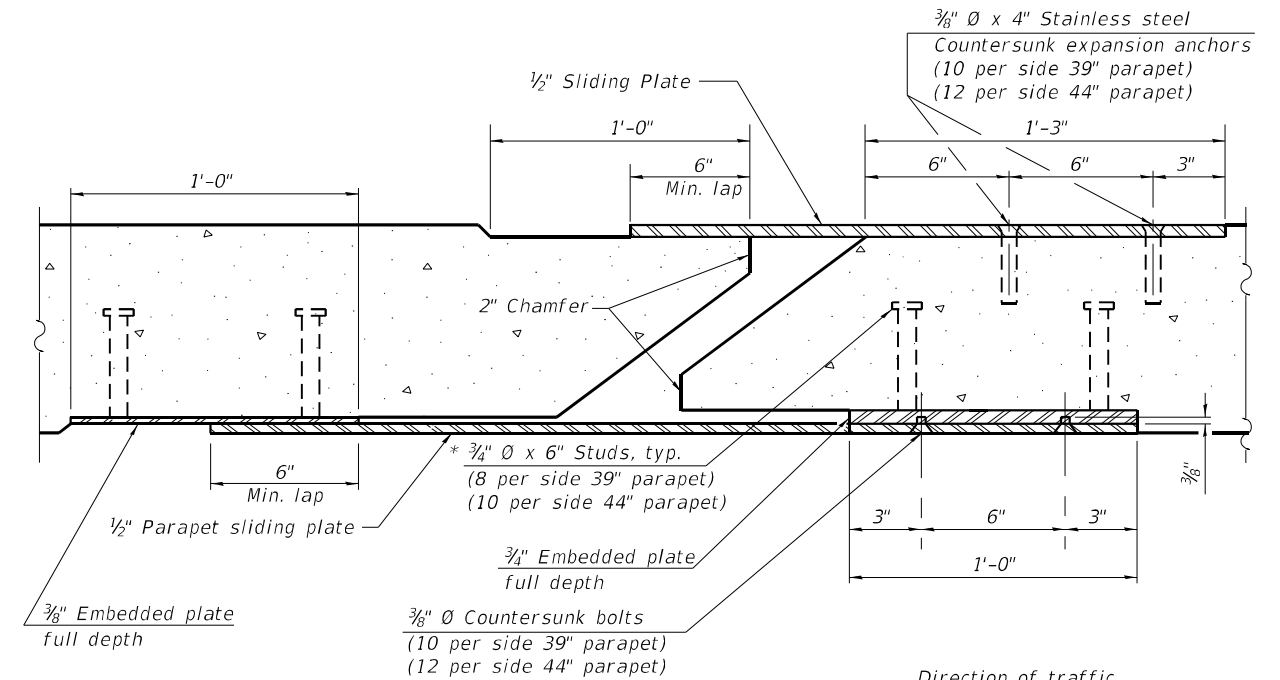
SECTION AT DECK LEVEL SIDEWALK

(Skews > 30° shown. Skews ≤ 30° similar except as shown in plan view.)

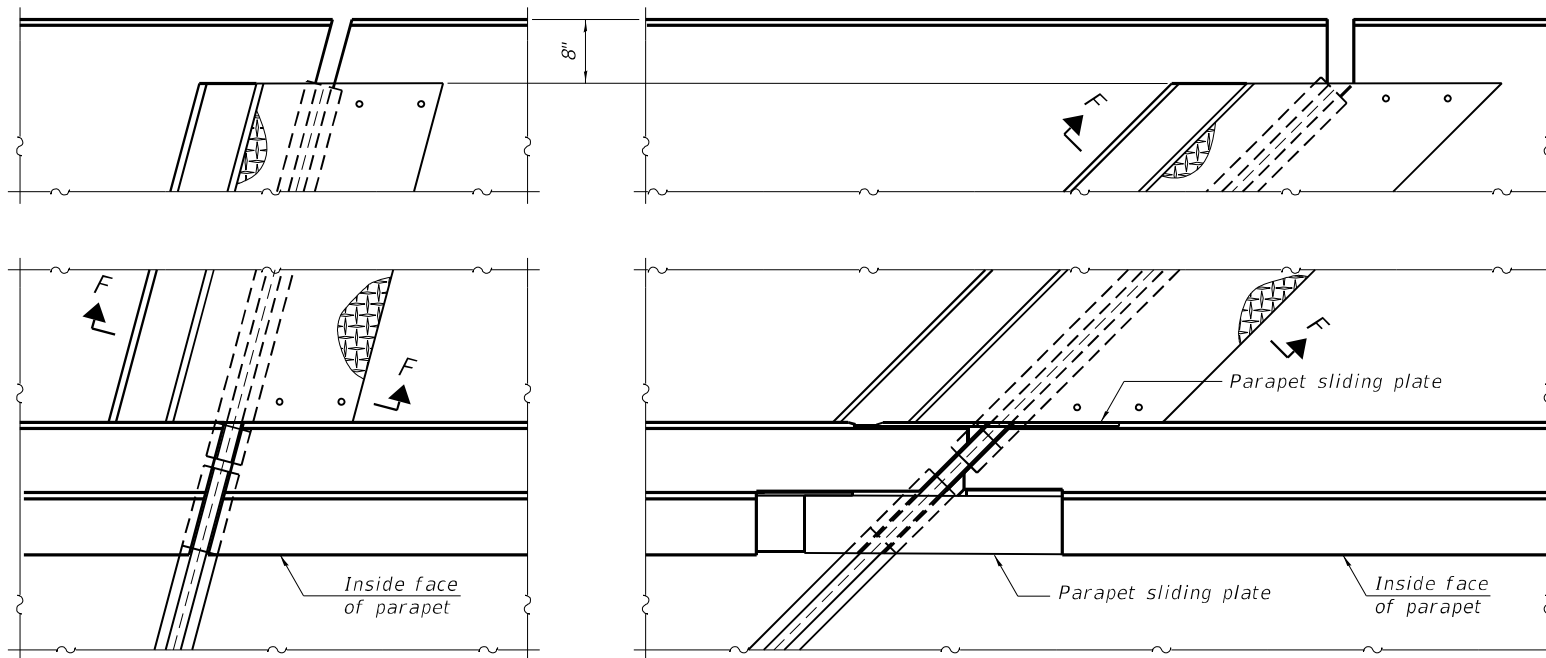
* Prior to 1/4" Grinding



DETAIL B



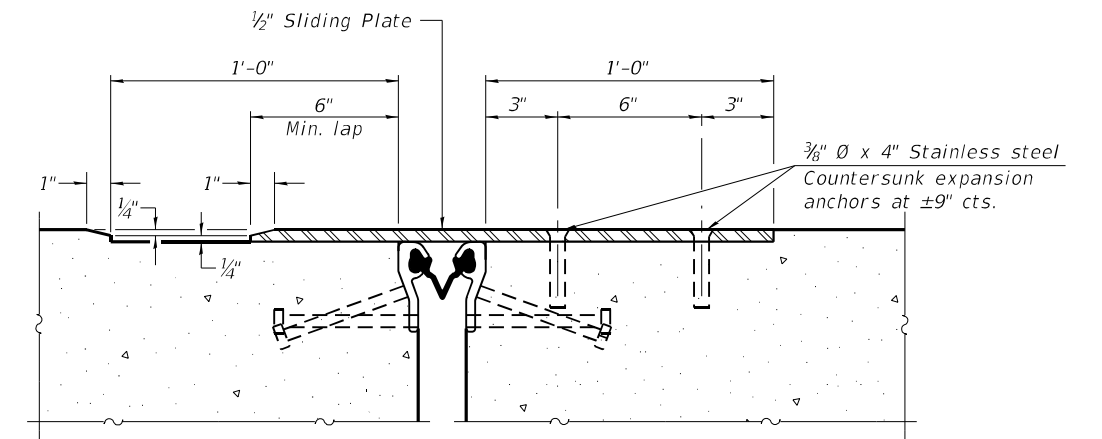
SECTION E-E



(FOR SKEWS ≤ 30°)

(FOR SKEWS > 30°)

PLAN AT DECK LEVEL SIDEWALK



SECTION F-F

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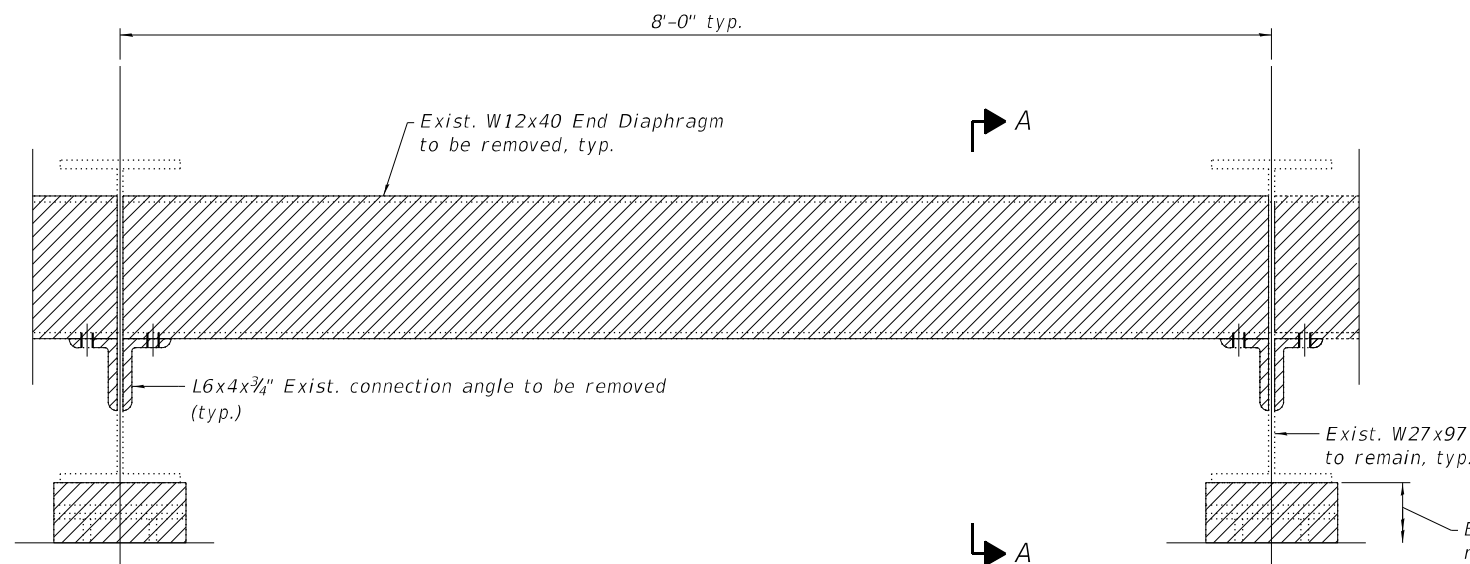
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DEPARTMENT OF TRANSPORTATION

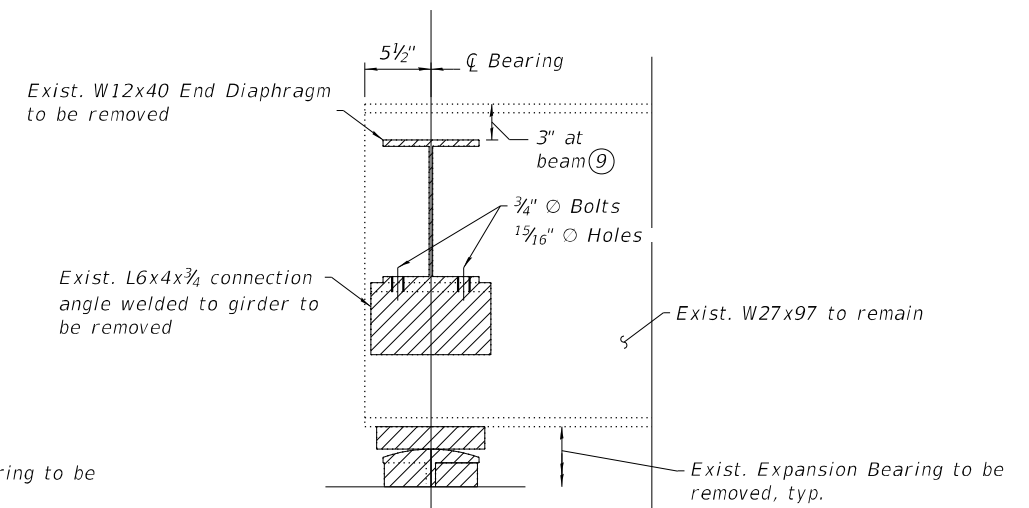
PREFORMED JOINT STRIP SEAL - SIDEWALK (3 of 3)
STRUCTURE NO. 016-0940

SHEET 510 OF 514 SHEETS

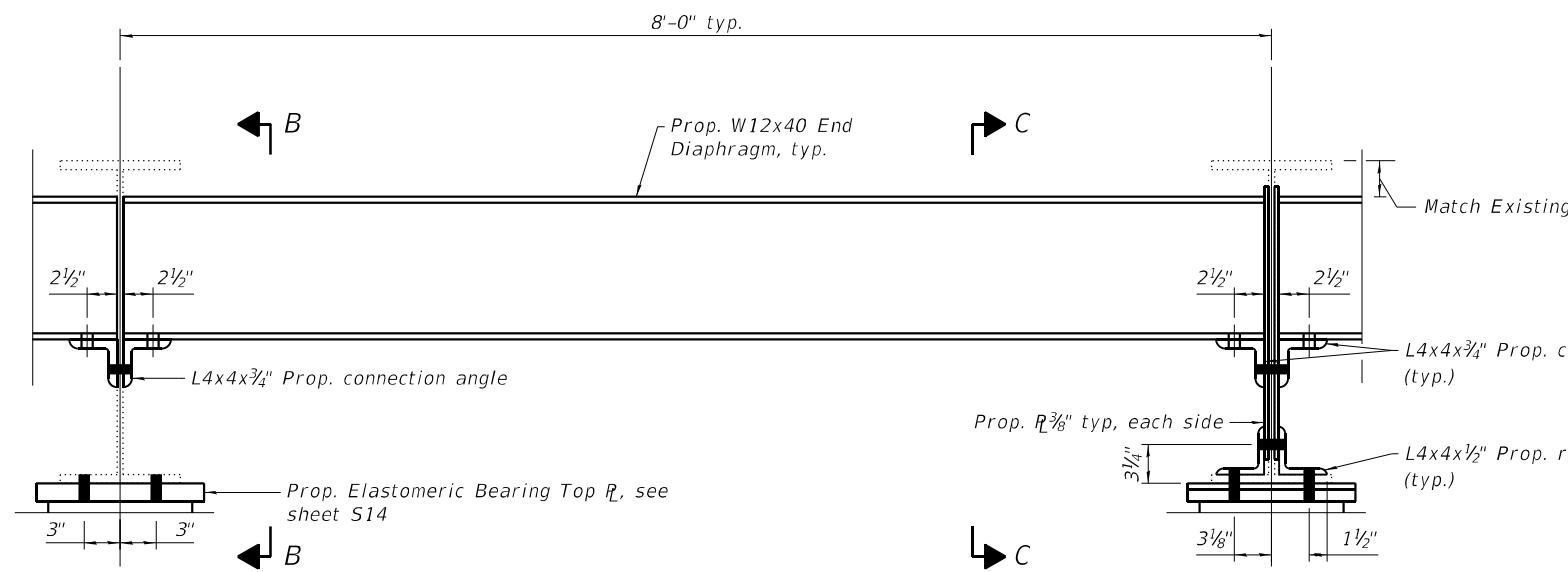
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			CONTRACT NO. 62785	
ILLINOIS FED. AID PROJECT				



EXISTING END DIAPHRAGM



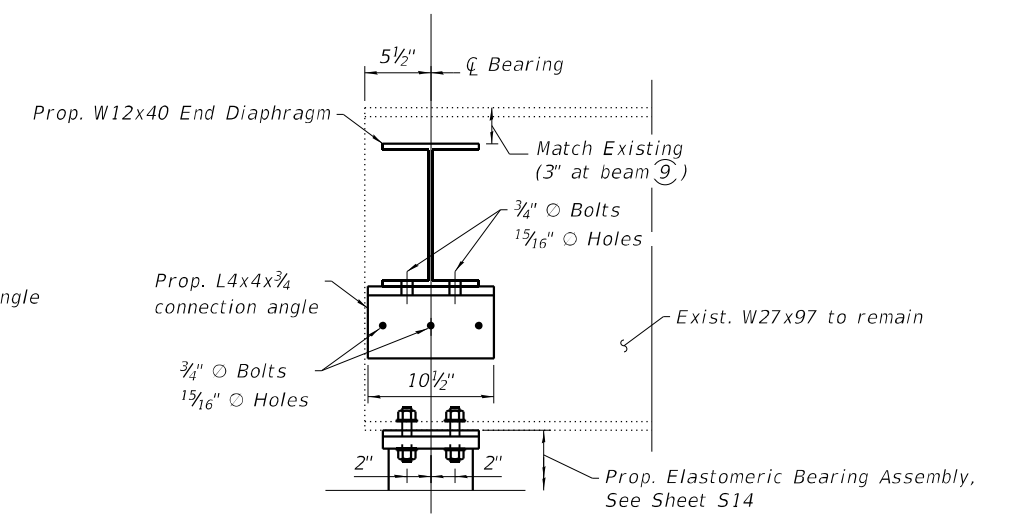
SECTION A-A



SHOWING NON-BEAM END REPAIR LOCATIONS

PROPOSED END DIAPHRAGM

SHOWING BEAM END REPAIR LOCATIONS



SECTION B-B

NOTES

1. For locations of Diaphragm Removal/Replacement and Beam End Repairs, see Sheet S11.
2. All new steel plates, angles, and diaphragms shall conform to the requirements of AASHTO M270 Grade 50.
3. Existing diaphragm and clip angle removal shall be paid for as Structural Steel Removal.
4. All proposed beam end repair plates, bottom flange repair angles, and associated bolts and fasteners shall be paid for as Structural Steel Repair. All proposed diaphragms, diaphragm connection angles and associated bolts, plate washers and fasteners shall be paid for as Furnishing and Erecting Structural Steel.
5. Existing expansion bearings to be removed and replaced by elastometric bearings at the abutments. Refer to Sheet S14 for bearing replacement details.
6. All dimensions shall be field verified prior to ordering any material.

LEGEND

Structural Steel Removal

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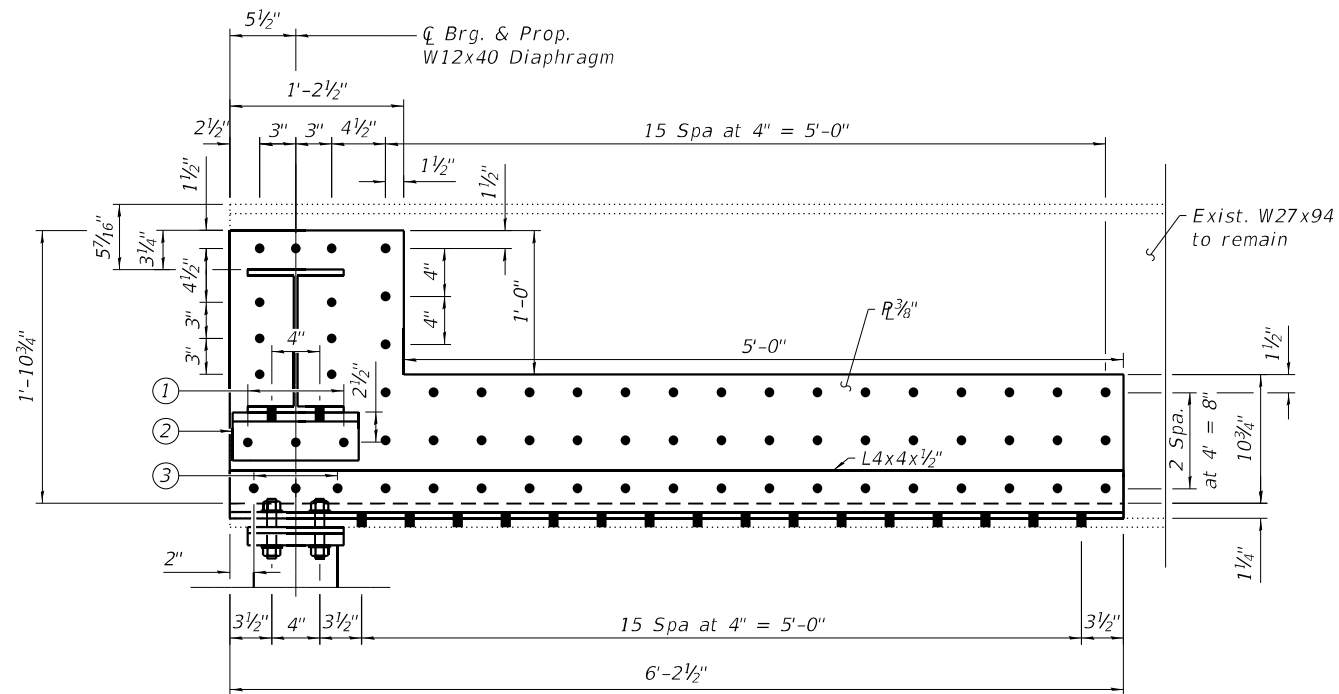
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DIAPHRAGM REPLACEMENT DETAILS
STRUCTURE NO. 016-0940

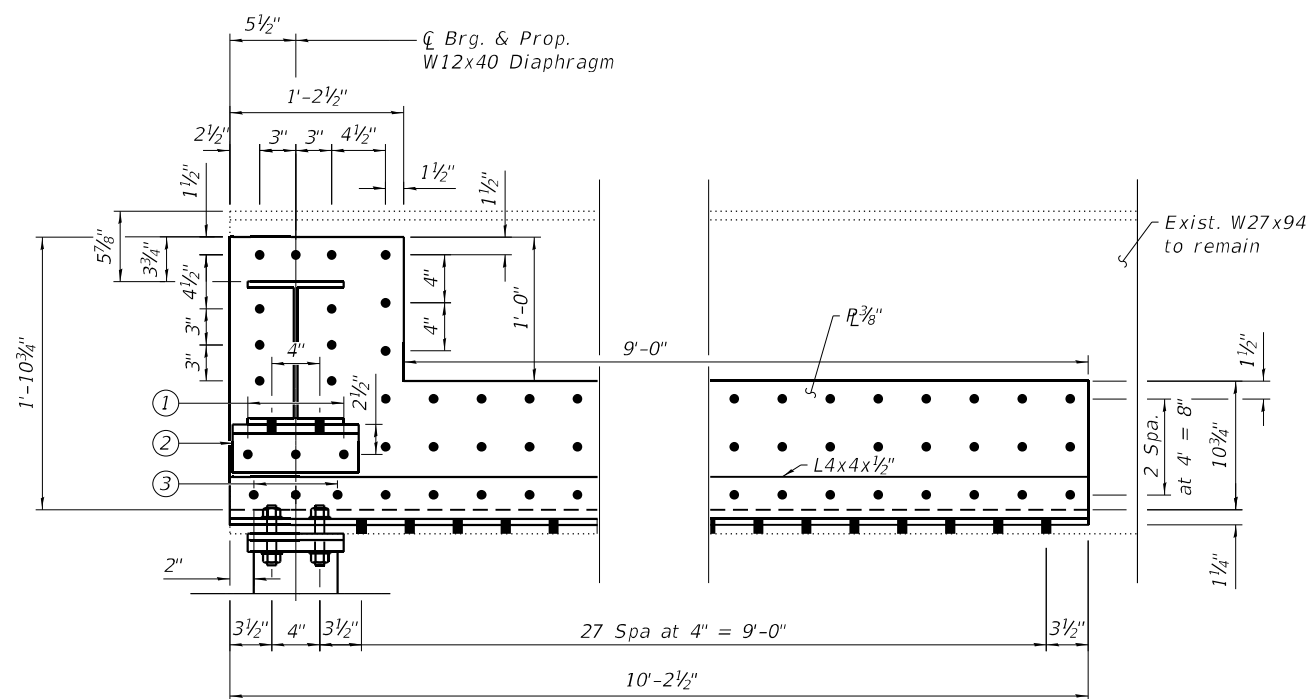
SHEET S12 OF S14 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 62T85				
ILLINOIS FED. AID PROJECT				

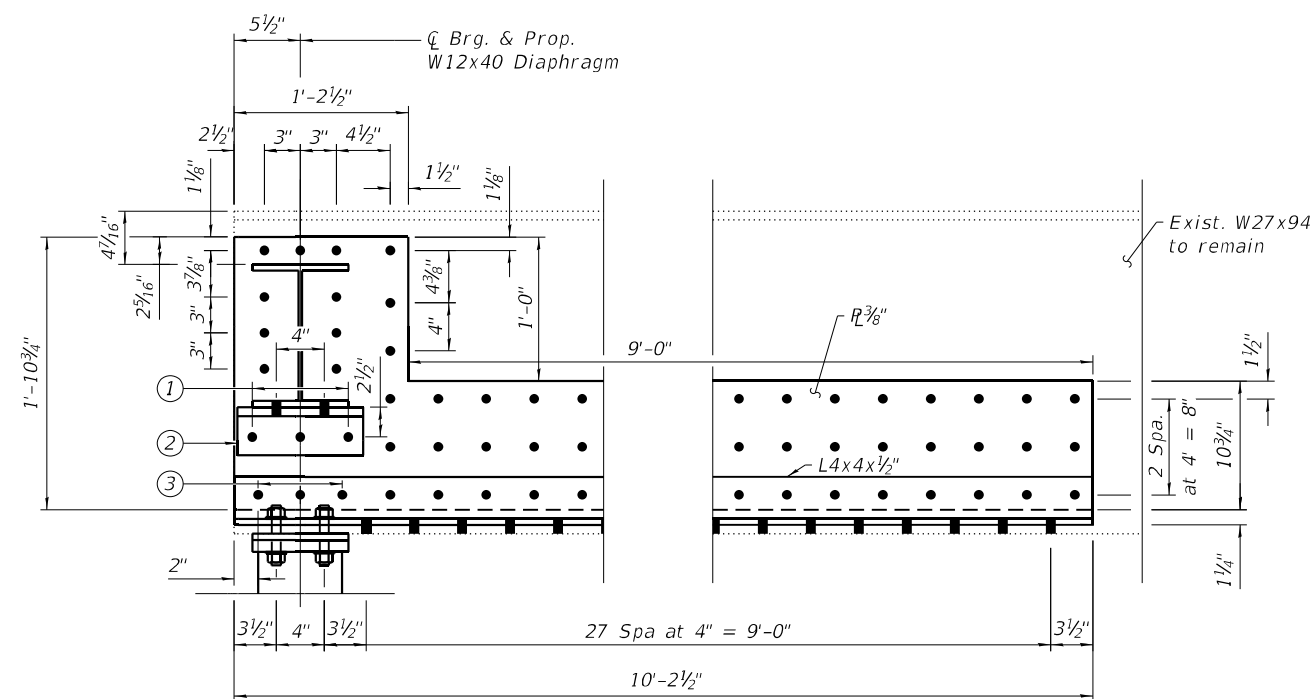
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SECTION C-C
BEAM 2 - EAST & WEST ABUT.



SECTION C-C
BEAM 7 - WEST ABUT.



SECTION C-C
BEAM 8 - EAST & WEST ABUT.

LEGEND

- ① 2 Spa. at 4" = 8"
- ② L4x4x3/4" - 10 1/2"
- ③ 2 Spa. at 3 1/2" = 7"

NOTES

1. For Notes, Bill of Material, and Locations of Diaphragm Removal/Replacement and Beam End Repairs, see Sheet S11
2. Where new holes are required in existing Structural Steel elements, the bolt spacing shall be 3" min. and 5 1/2" max.
3. Dimensions shall be field verified prior to ordering any material.



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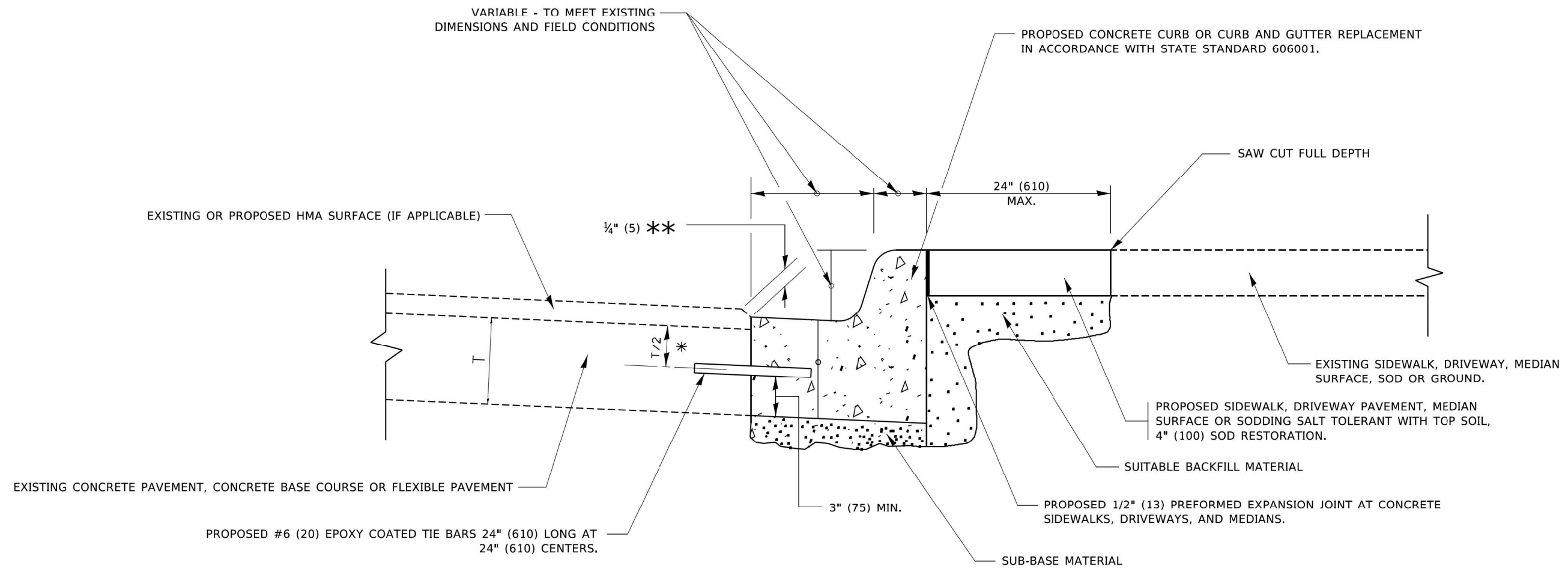
STATE OF ILLINOIS
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BEAM REPAIR DETAILS
STRUCTURE NO. 016-0940

SHEET S13 OF S14 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 62T85				

ILLINOIS FED. AID PROJECT

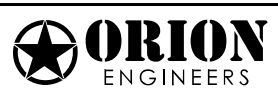


- * 3" (75) MINIMUM FROM TOP AND BOTTOM OF THE CONCRETE PAVEMENT OR BASE COURSE.
- ** IF THE FINAL SURFACE OF THE PAVEMENT IS CONCRETE, THE GUTTER IS TO BE FLUSH WITH THE PAVEMENT.

CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

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

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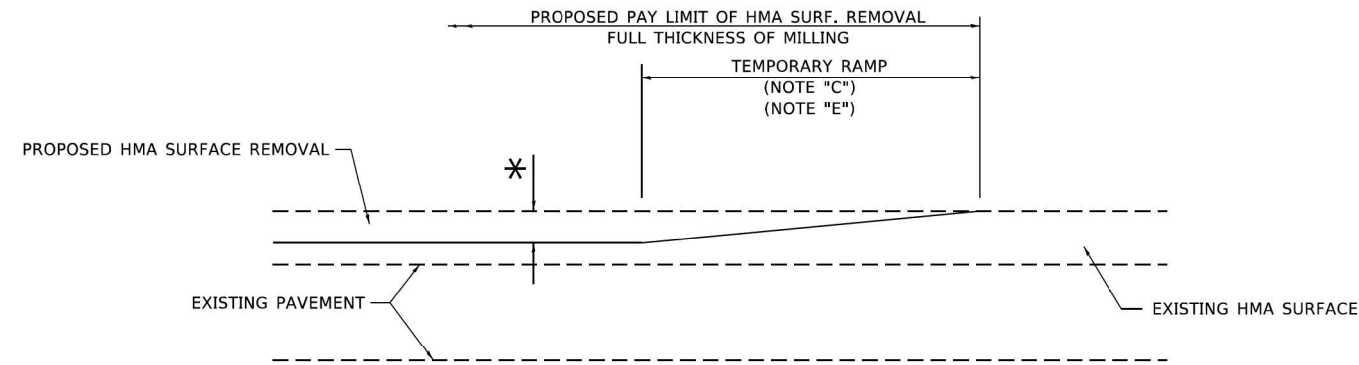


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**STATE OF ILLINOIS
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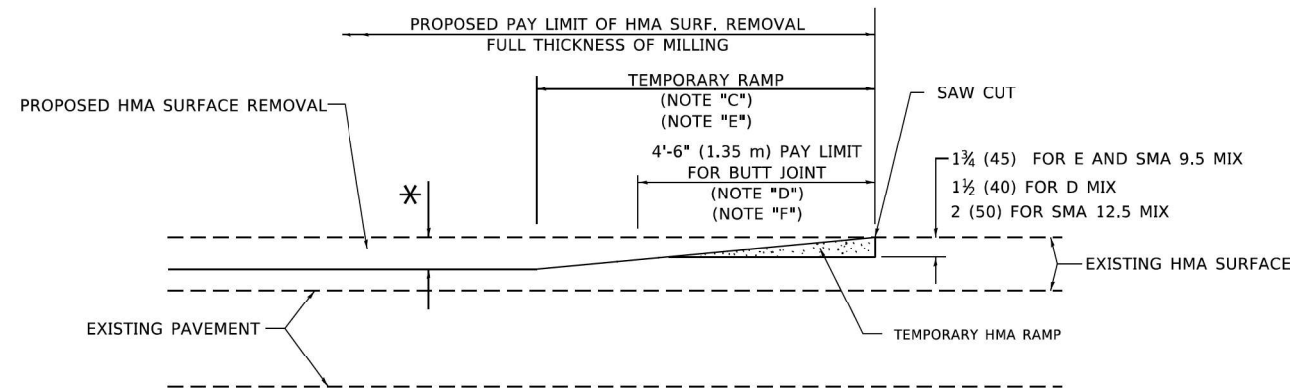
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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BD-600-06 (BD-24)		CONTRACT NO. 62T85		
ILLINOIS FED. AID PROJECT				



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

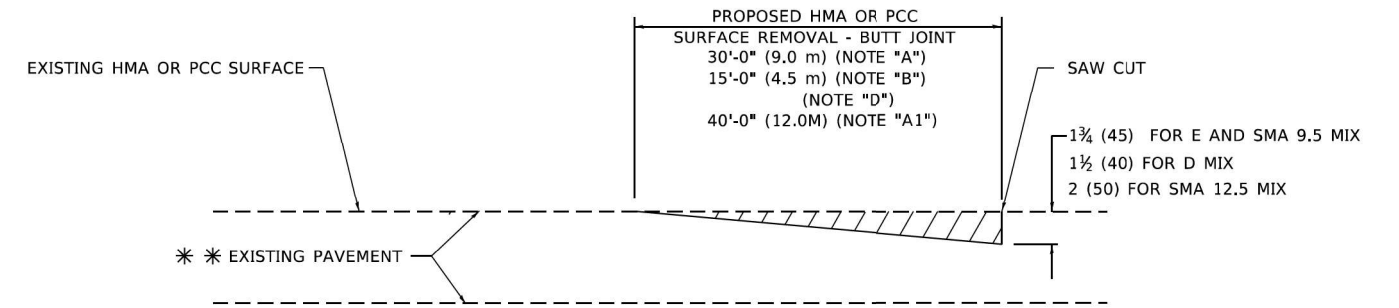
OPTION 1



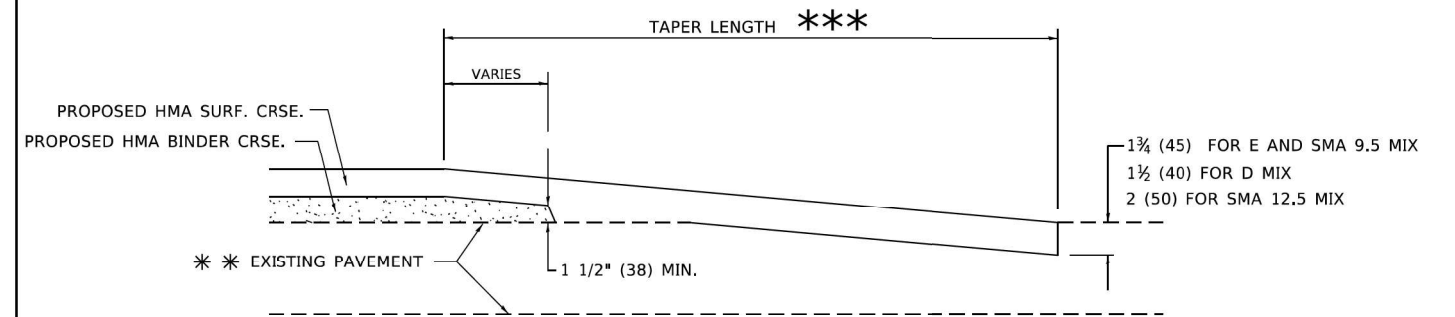
HMA CONSTRUCTED TEMPORARY RAMP
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 2

TYPICAL TEMPORARY RAMP



BUTT JOINT DETAIL



HMA TAPER DETAIL

TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY

** PC CONCRETE, HMA OR HMA RESURFACED PAVEMENT.

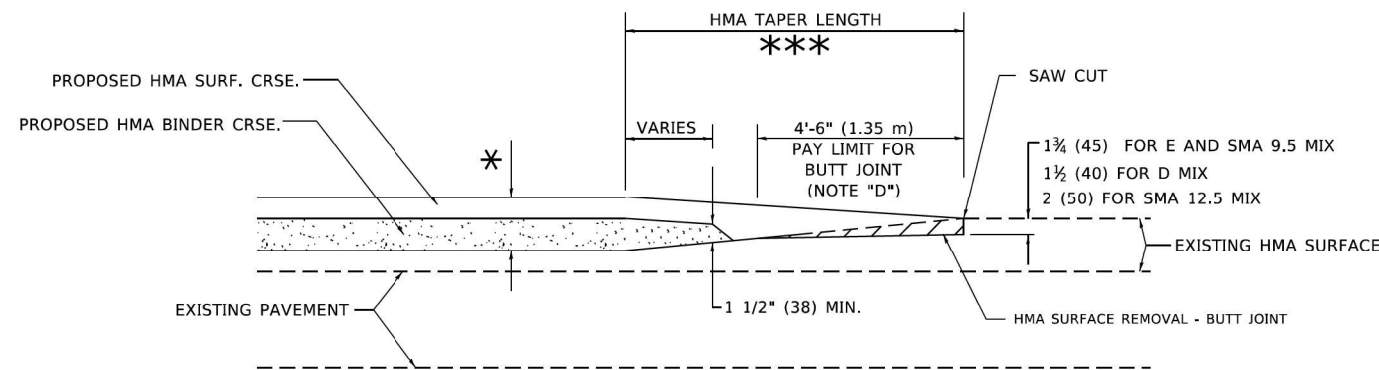
GENERAL NOTES

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

BASIS OF PAYMENT

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

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



BUTT JOINT AND HMA TAPER

TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING

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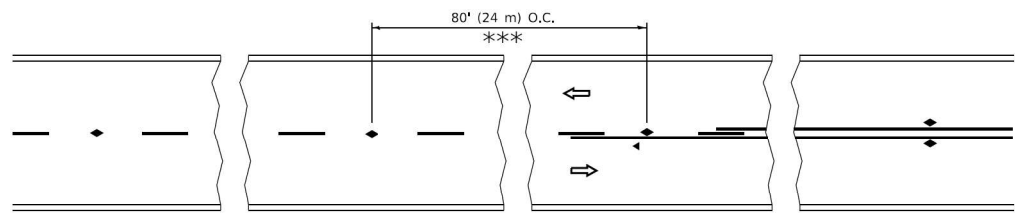
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STATE OF ILLINOIS
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ARTERIAL ROAD
HMA TAPER DETAILS

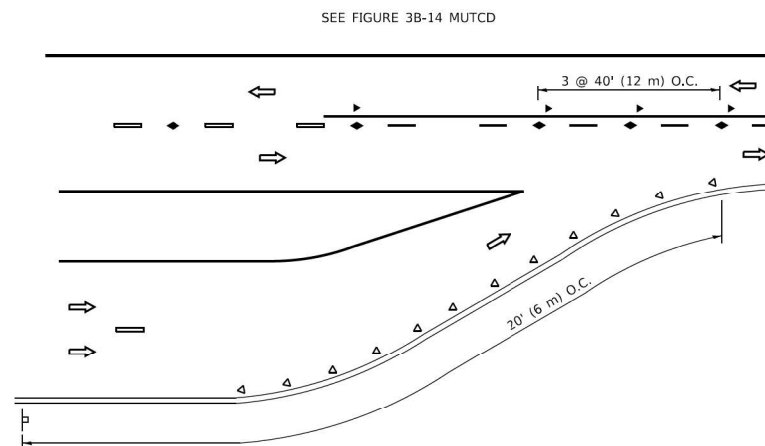
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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BD400-05 BD-32			CONTRACT NO. 62T85	
ILLINOIS FED. AID PROJECT				

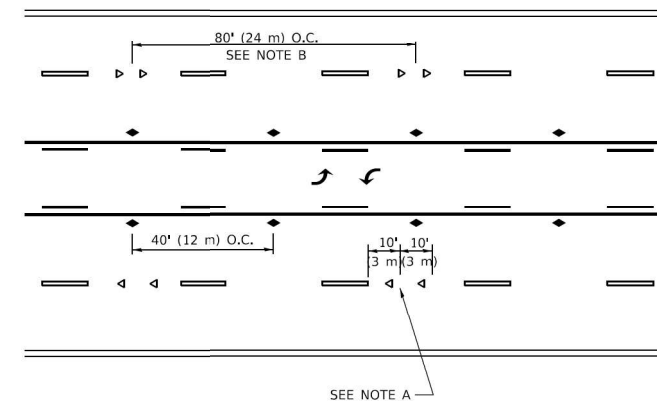


*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

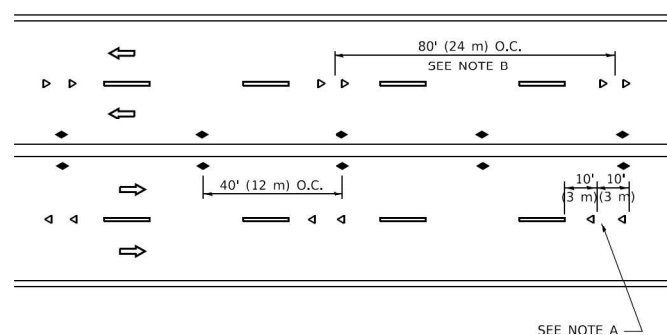
TWO-LANE/TWO-WAY



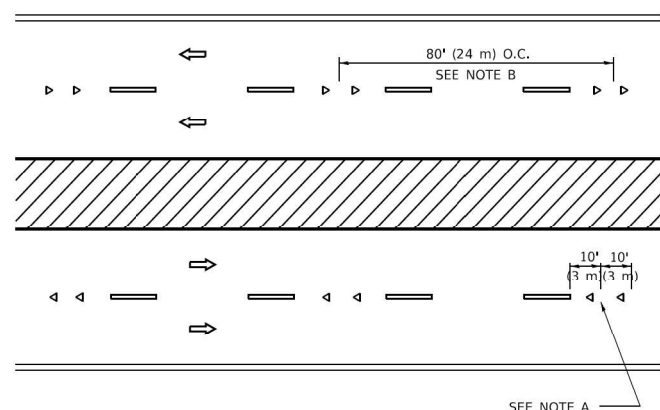
LANE REDUCTION TRANSITION



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

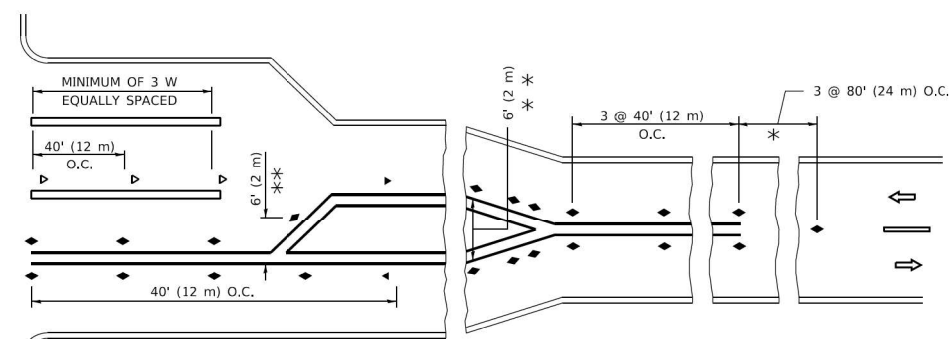
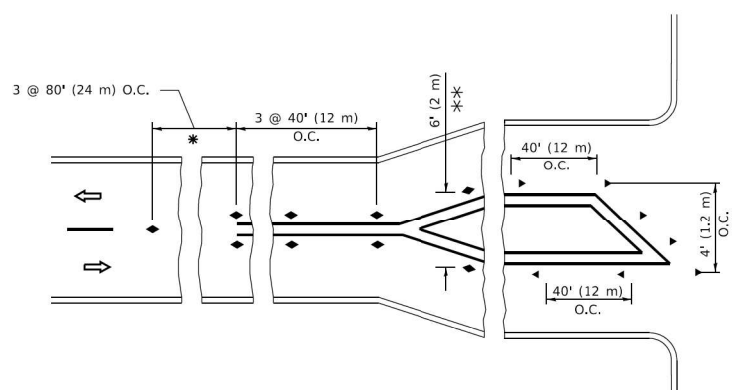
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◀ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

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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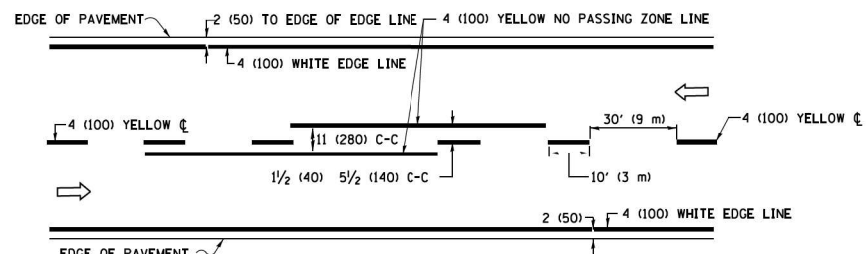


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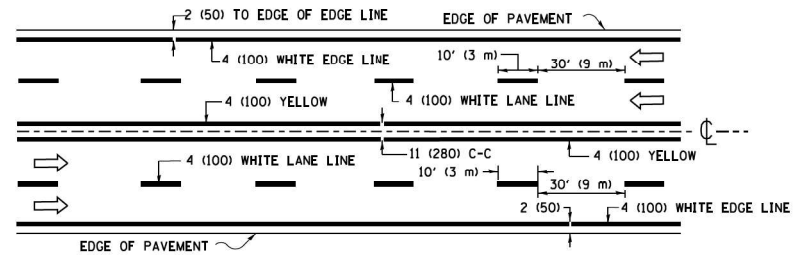
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

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

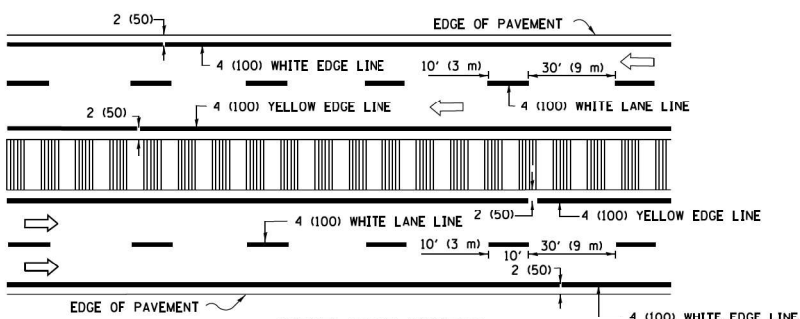
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1273	FAU 1273 22 BJ	COOK	34	32
TC-11		CONTRACT NO. 62T85		
ILLINOIS FED. AID PROJECT				



2-LANE ROADWAY

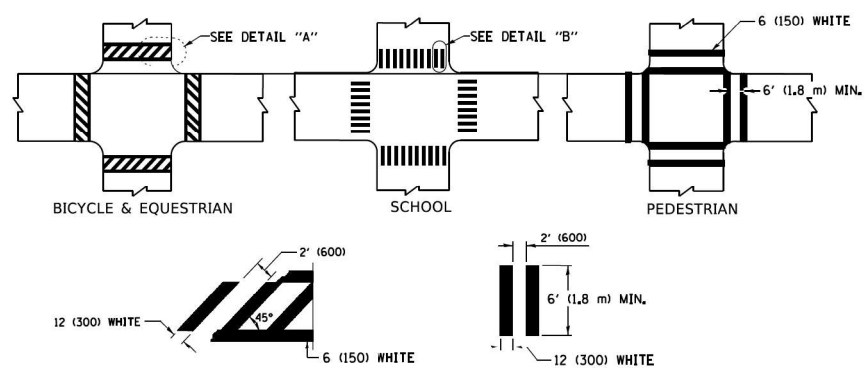


MULTI-LANE UNDIVIDED



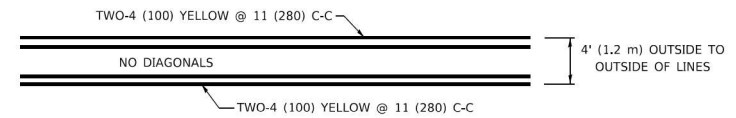
MULTI-LANE DIVIDED WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING

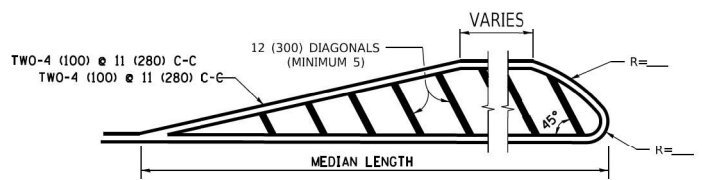


TYPICAL CROSSWALK MARKING

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

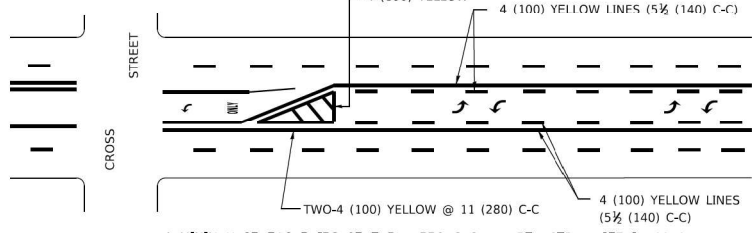


4' (1.2 m) WIDE MEDIANS ONLY



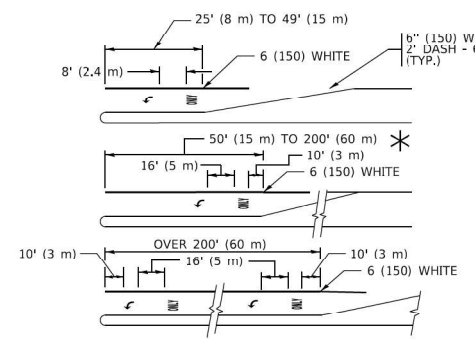
MEDIANS OVER 4' (1.2 m) WIDE

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



MEDIAN WITH TWO-WAY LEFT TURN LANE

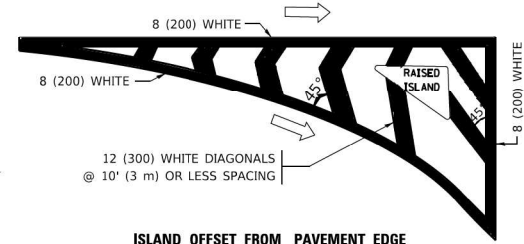
TYPICAL PAINTED MEDIAN MARKING



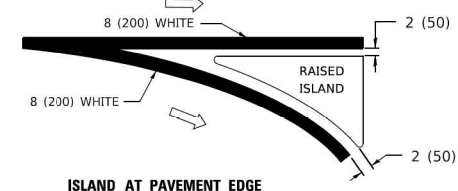
TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING

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

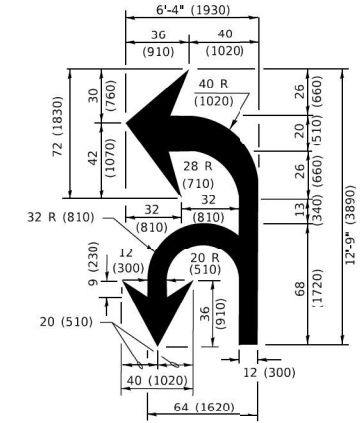


ISLAND OFFSET FROM PAVEMENT EDGE

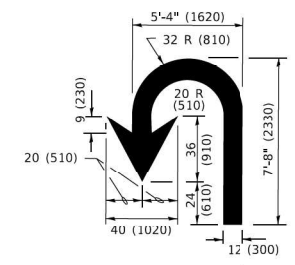


ISLAND AT PAVEMENT EDGE

TYPICAL ISLAND MARKING



COMBINATION LEFT AND U-TURN



U-TURN

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

LANE REDUCTION TRANSITION

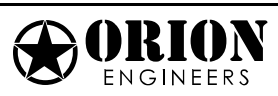
* LANE REDUCTION ARROWS REQUIRED AT SPEEDS OF 45 MPH OR GREATER OR WHEN SPECIFIED IN PLANS.

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5 1/2 (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MEDIANS IN YELLOW
TURN LANE MARKINGS	6 (150) LINE: FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	7 @ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5 1/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT. PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE.
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW: TWO WAY TRAFFIC WHITE: ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES: "RR" 15' 6" (1.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: *R*=3.6 SQ. FT. (0.33 m ²) EACH *X*=54.0 SQ. FT. (5.0 m ²)
SHOULDER DIAGONALS (REQUIRED FOR SHOULDERS > 8')	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))
U TURN ARROW	SEE DETAIL	SOLID	WHITE	16.3 SF
2 ARROW COMBINATION LEFT AND U TURN	SEE DETAIL	SOLID	WHITE	30.4 SF

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

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

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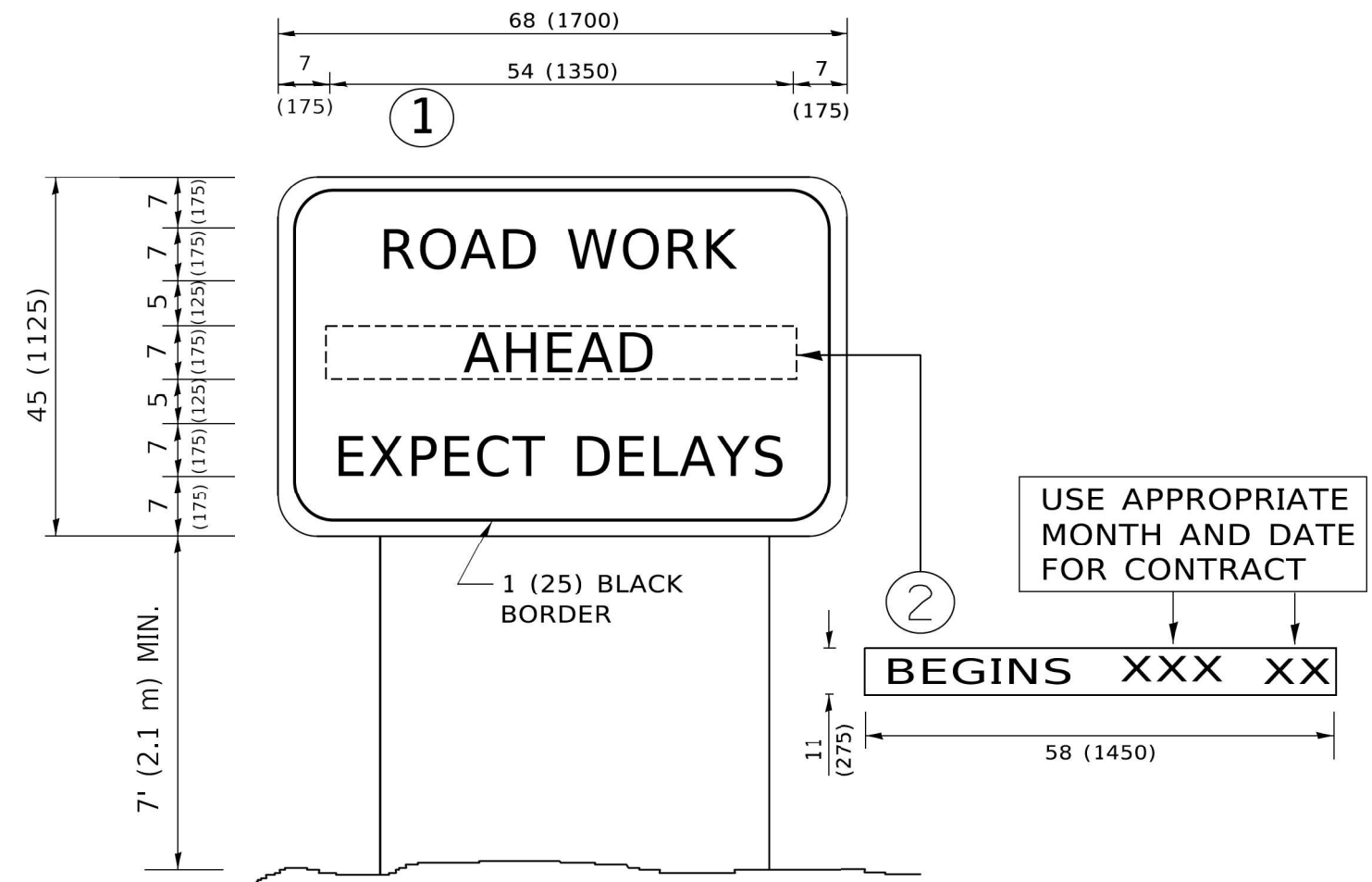


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	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DISTRICT ONE		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TYPICAL PAVEMENT MARKINGS		1273	FAU 1273 22 BJ	COOK	34	33
SCALE: N.T.S		SHEET 1 OF 1 SHEETS		STA. TO STA.	CONTRACT NO. 62T85	

TC-13		ILLINOIS FED. AID PROJECT	
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NOTES:

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

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

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PLOT DATE = 1/30/2024	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ARTERIAL ROAD
INFORMATION SIGN

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1273	FAU 1273 22 BJ	COOK	34	34
TC-22		CONTRACT NO. 62T85		
ILLINOIS FED. AID PROJECT				