

FAU ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3603	68B-1	COOK	19	1
		ILLINOIS	CONTRACT NO. 62X43	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
**PROPOSED
HIGHWAY PLANS**

D-91-028-25

FOR INDEX OF SHEETS, SEE SHEET NO. 2

PROJECT IS LOCATED IN THE
VILLAGE OF GLENWOOD

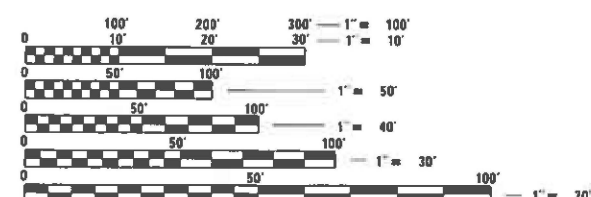
FAU ROUTE 3603 (GLENWOOD ROAD)
OVER BUTTERFIELD CREEK
SECTION 68B-1
PROJECT NO. STP-534L(491)
BRIDGE DECK OVERLAY
AND JOINT REPAIR
COOK COUNTY

TRAFFIC DATA

CHICAGO HEIGHTS ROAD:
FAU ROUTE 3603
FUNCTION CLASS = MAJOR COLLECTOR
ADT (2023) = 6,550
POSTED SPEED LIMIT = 45 MPH

EDI Environmental Design International
Environmental Design International, Inc.
Civil, Survey, Environmental and Construction Inspection Services
33 W. MONROE STREET, SUITE 1825, CHICAGO, IL 60603
Ph: (312) 345-1400 Fax: (312) 345-0529 www.ediintl.com

GSG GSG CONSULTANTS, INC.
735 E. REMINGTON RD., SCHLAUBURG, IL 60173
TEL: +1-630-994-2600 | WWW.GSG-CONSULTANTS.COM



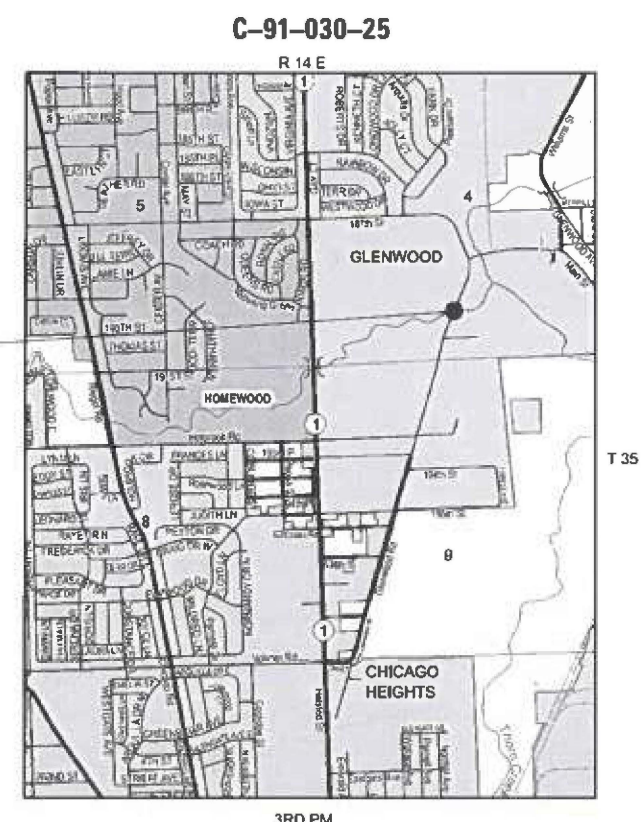
FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD
ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT
CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS
ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

GSG CONSULTANTS, INC.
MAJLINDA AGOJCI P.E., S.E.
- 081-006911

EXPIRATION DATE: 11/30/2026
SIGNATURE AND SEAL APPLY
TO DRAWINGS
8 TO 14
03/16/2024

EXISTING STRUCTURE LOCATION
SN 016-0793 2-SPAN MULTI-BEAM
OVER BUTTERFIELD CREEK
STRUCTURE LENGTH = 66'-0"
BRIDGE ROADWAY WIDTH = 24'-4"
NUMBER OF LANES = 2

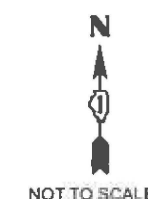


GROSS LENGTH = 166.00 FT. = 0.031 MILE
NET LENGTH = 166.00 FT. = 0.031 MILE



LICENSE EXPIRES: 11/30/2026

Thomas Joseph Green
Applies to Drawings 1 to 7



LOCATION OF SECTION INDICATED THUS: —

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED *May 5th 2020*
June 26th 2026

REGIONAL ENGINEER
June 26th 2026

ENGINEER OF DESIGN AND ENVIRONMENT
June 26th 2026

DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION
June 26th 2026

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

PROJECT MANAGER, PRAVEEN KAINI, PE (847) 705-4237

CONTRACT NO. 62X43

SHEET INDEX

1. COVER
2. SHEET INDEX/GENERAL NOTES/MOT NOTES/CONSTRUCTION SEQUENCING
- 3-4 SUMMARY OF QUANTITIES
5. MAINTENANCE OF TRAFFIC DETOUR PLAN
6. ROADWAY PLAN
7. PAVEMENT MARKING PLAN
- 8-14. STRUCTURE PLANS
15. DISTRICT 1 STANDARD DETAIL BD-32
16. DISTRICT 1 STANDARD DETAIL TC-10
17. DISTRICT 1 STANDARD DETAIL TC-13
18. DISTRICT 1 STANDARD DETAIL TC-21
19. DISTRICT 1 STANDARD DETAIL TC-22

HIGHWAY STANDARDS

- 000001-09 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
- 701006-05 OFF-RD OPERATIONS, 2L, 2W, 15' TO 24" FROM PAVEMENT EDGE
- 701301-04 LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
- 701311-03 LANE CLOSURE, 2L, 2W, MOVING OPERATIONS-DAY ONLY
- 701501-06 URBAN LANE CLOSURE, 2L, 2W UNDIVIDED
- 701901-11 TRAFFIC CONTROL DEVICES
- 780001-05 TYPICAL PAVEMENT MARKINGS

MAINTENANCE OF TRAFFIC GENERAL NOTES

- THE MAINTENANCE OF TRAFFIC CONTROL (MOT) PLANS SHALL SERVE AS A GUIDE FOR SAFE DIVERSION OF TRAFFIC DURING EXECUTION OF THIS CONTRACT. HOWEVER, THE CONTRACTOR MAY MODIFY THE MOT PLANS TO MEET CONSTRUCTION NEEDS, BUT NOT AT THE EXPENSE OF PUBLIC SAFETY OR CONVENIENCE, ANY CHANGES TO THE MOT PLANS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL.
- THE ENGINEER SHALL BE INFORMED 48 HOURS IN ADVANCE OF ANY PROPOSED CHANGE TO THE MOT PLANS.
- ANY EXISTING SIGNS THAT DO NOT APPLY TO THE DETOUR ROUTE THAT MAY BE IN CONFLICT WITH DETOUR SIGNAGE SHALL BE COVERED AS DIRECTED BY THE ENGINEER. THE COVERING SHALL BE NON-DESTRUCTIVE IN NATURE AND WILL NOT BE MEASURED FOR PAYMENT BUT IT IS CONSIDERED INCLUDED IN THE CONTRACT UNIT PRICE FOR PAY ITEM "TRAFFIC CONTROL AND PROTECTION FOR TEMPORARY DETOUR, (SPECIAL)".

SUGGESTED MAINTENANCE OF TRAFFIC SEQUENCING

PRE-CONSTRUCTION STAGE

- SET UP THE DETOUR SIGNS AND BARRICADES.
- REVIEW EXISTING PERMANENT SIGNS FOR ANY POTENTIAL CONFLICTS WITH DETOUR SIGNS.
- COVER EXISTING PERMANENT SIGNS IN CONFLICT WITH DETOUR SIGNAGE.
- CLOSE CHICAGO HEIGHTS GLENWOOD ROAD TO ALL TRAFFIC AT SN *016-0793* AND APPROACH ROADWAY AS SHOWN IN PLANS.

CONSTRUCTION STAGE

- COORDINATE WORK TO BE COMPLETED WITH DETAILS IN THE BRIDGE AND CONSTRUCTION PLANS.

POST-CONSTRUCTION STAGE

- REMOVE COVERS FROM EXISTING PERMANENT SIGNS.
- REMOVE DETOUR SIGNS AND BARRICADES.
- OPEN SN *016-0793* AND CHICAGO HEIGHTS GLENWOOD ROAD TO ALL TRAFFIC.

GENERAL NOTES

- THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE OR CITY 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 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.
- THE CONTRACTOR SHALL CONTACT THE ARTERIAL TRAFFIC CONTROL SUPERVISOR KALPANA KANNAN-HOSADURGA, AT KALPANA.KANNAN-HOSADURGA@ILLINOIS.GOV A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
- TWO WEEKS PRIOR TO THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS, THE ENGINEER SHALL CONTACT PATRICE HARRIS, AREA TRAFFIC FIELD TECHNICIAN AT PATRICE.HARRIS@ILLINOIS.GOV.
- NO WORK SHALL COMMENCE UNTIL TRAFFIC CONTROL REQUIREMENTS ARE MET.
- DURING CONSTRUCTION OPERATIONS, WHENEVER LOOSE MATERIAL IS DEPOSIT IN THE FLOW LINE OF GUTTER, DRAINAGE STRUCTURES, DITCHES, ETC. SUCH THAT THE NATURAL FLOW LINE OF WATER IS OBSTRUCTED, THE LOOSE MATERIAL SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. AT THE CONCLUSION OF THE CONSTRUCTION OPERATIONS, ALL DRAINAGE STRUCTURES AND FLOW LINES SHALL BE FREE FROM DIRT AND DEBRIS.
- SAW CUTS (FULL DEPTH) SHALL BE REQUIRED WITHIN THE PAVEMENT, SIDEWALK, AND CURB & GUTTER AND THAT TO BE LEFT IN PLACE OR DIRECTED BY THE ENGINEER. THE WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF REMOVAL ITEMS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UNDERGROUND OR SURFACE UTILITIES EVEN THOUGH THEY MAY NOT BE SHOWN ON THE PLANS. ANY UTILITY THAT IS DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE ENGINEER. THIS WORK SHALL BE AT THE CONTRACTOR'S EXPENSE.
- THE CONTRACTOR SHALL TAKE WHATEVER PRECAUTIONS WHICH MAY BE NECESSARY TO PROTECT THE PROPERTY OF THE VARIOUS PUBLIC UTILITIES WHICH MAY BE LOCATED UNDERGROUND OR ABOVE GROUND, AT OR ADJACENT TO THE SITE OF THIS IMPROVEMENT, HE WILL BE REQUIRED TO REPAIR OR REPLACE AT HIS OWN EXPENSE, OR BEAR THE COST, TO REPAIR OR REPLACE, ANY PUBLIC UTILITY PROPERTY WHICH HAS BEEN DAMAGED HIS EFFORTS.
- THE CONTRACTOR SHALL NOT OBSTRUCT ANY EXISTING SIGN WITH THE REPLACEMENT OF DETOUR SIGNAGE.
- SEE TC-21 FOR TYPICAL DETOUR SIGN SPACING.
- A MINIMUM OF FOURTEEN (14) DAYS IN ADVANCE OF THE ROAD CLOSURE, THE CONTRACTOR SHALL PLACE ONE (1) PORTABLE CHANGEABLE MESSAGE SIGN AT EACH END OF THE PROJECT AS DIRECTED AND AT A LOCATION DESIGNATED BY THE ENGINEER TO INFORM MOTORISTS OF THE UPCOMING CLOSURE. THE MESSAGE SHALL BE APPROVED BY THE ENGINEER. THIS WORK IS TO BE PAID FOR AT THE CONTRACT UNIT PRICE FOR CHANGEABLE MESSAGE SIGN.
- TEMPORARY TRAFFIC SIGNAL TIMING IS TO BE ENACTED AT THE FOLLOWING SIGNALIZED INTERSECTIONS:
CHICAGO HEIGHTS GLENWOOD RD. - W 187TH ST.
CHICAGO HEIGHTS GLENWOOD RD. - HOLBROOK RD.
S HALSTED ST. - HOLBROOK RD.
S HALSTED ST. - W 187TH ST.

HMA MIXTURE REQUIREMENTS

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

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

MODEL: General notes [Sheet]
FILE NAME: C:\Users\ssabur@hmcengineeringinc.com\OneDrive - 2021008 - IDOT PTB 199-013 (2)\Work Order #13 (62X43)\From Subs\Final\EDINORD\162X43-shl-gennote-MOTnote.dgn

EDI Excellence. Dedication. Innovation. Environmental Design International Inc. Civil, Survey, Environmental and Construction Inspection Services 33 W. MONROE STREET, SUITE 1625, CHICAGO, IL 60603 Ph: (312) 345-1400 Fax: (312)345-0829 www.ediengine.com	USER NAME = aseiber	DESIGNED - AFK	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CHICAGO HTS - GLENWOOD ROAD OVER BUTTERFIELD CREEK SHEET INDEX/HIGHWAY STANDARDS/GENERAL NOTES/MOT NOTES	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - AFK	REVISED -			3603	68B-1	COOK	19	2
		CHECKED - HJH	REVISED -			CONTRACT NO. 62X43				
	PLOT DATE = 5/6/2026	DATE -	REVISED -			ILLINOIS FED. AID PROJECT				
SCALE:		SHEET 1	OF 1	SHEET \$	STA.	TO STA.				

MODEL: Default
FILE NAME: L:\1980 Orfan Engineers LLC\1980.005 PTB 199-013\CH03 CAD\01 Model\calculation\am62R76 wo11D162R76e-h-SQ.dgn

SUMMARY OF QUANTITIES				CONSTRUCTION CODE
				80% FEDERAL 20% STATE
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	BRIDGE
				0059
				SN 016-0793
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	75	75
40600982	HOT-MIX ASPHALT REMOVAL-BUTT JOINT	SQ YD	166	166
40600982	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70	TON	15	15
50102400	CONCRETE REMOVAL	CU YD	3.7	3.7
50300255	CONCRETE SUPERSTRUCTURE	CU YD	3.7	3.7
50300300	PROTECTIVE COAT	SQ YD	205	205
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	680	680
52000110	PREFORMED JOINT STRIP SEAL	FOOT	76	76
53016002	DECK SLAB REPAIR (FULL DEPTH, TYPE II)	SQ YD	8	8
53101002	BRIDGE DECK SCARIFICATION 3/4"	SQ YD	178	178
53101409	BRIDGE DECK LATEX CONCRETE OVERLAY, 2 1/2 INCHES	SQ YD	178	178
53212754	STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5")	SQ FT	29	29
53212755	STRUCTURAL REPAIR OF CONCRETE (DEPTH GREATER THAN 5")	SQ FT	12	12
59000200	EPOXY CRACK INJECTION	FOOT	61	61



USER NAME ■ mbutling

DESIGNED - MGB
DRAWN - MGB
CHECKED -
DATE -

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CHICAGO HTS - GLENWOOD ROAD OVER BUTTERFIELD CREEK
SUMMARY OF QUANTITIES

SCALE: N/A, SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.U.
RTE.
3603

SECTION
68B-1

COUNTY
COOK

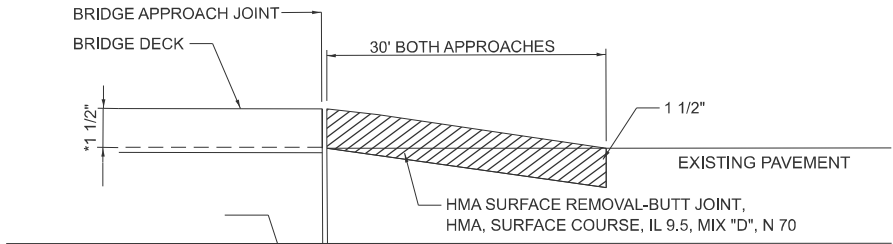
TOTAL SHEETS 19
SHEET NO. 3

CONTRACT NO, 62X43

ILLINOIS FED. AID PROJECT

[illegible]

MODEL: Default
FILE NAME: L:\1980 Orion Engineers LLC\1990-05 PTB 199-013\Civil\03 CAD\01 Model\catonfarm62R76 wo11D162R76-sht-SQ.dgn



* AFTER 1/4" DIAMOND GRINDING

APPROACH ROADWAY DETAIL NORTH APPROACH AS SHOWN
NTS SOUTH APPROACH OPPOSITE HAND

LEGEND

PLAN VIEW

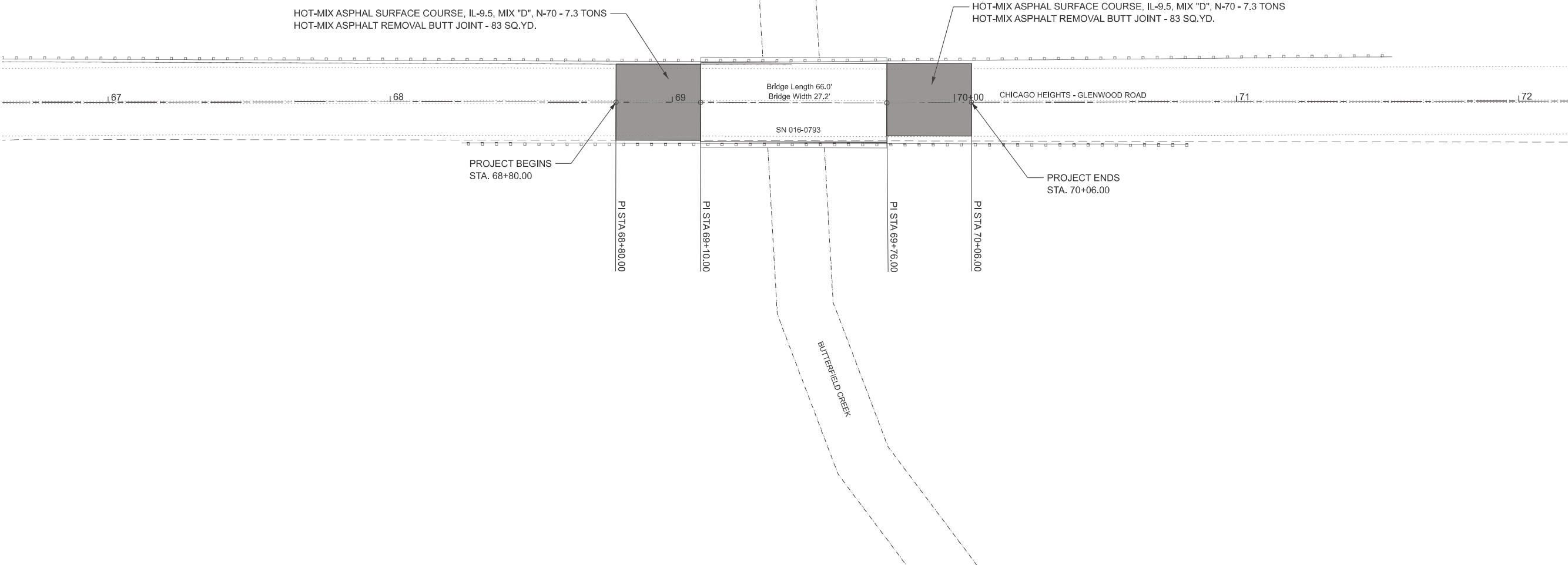
HMA SURFACE REMOVAL, BUTT JOINT

HMA SURFACE COURSE, MIX "D", IL-9.5, N70, 1 1/2"

DETAIL

HMA SURFACE REMOVAL, BUTT JOINT

HMA SURFACE COURSE, MIX "D", IL-9.5, N70, 1 1/2"



MODEL: EXCL4 - rdwy (Sheet)
FILE NAME: C:\Users\aseilber\OneDrive\Engineering\Illinois\DOT\PTB 199-013 (2)\Work Order #13 (62X43)\From Sub\Final\ED\NORD\DD162X43-Roadway Plan.dgn

EDI Excellence, Dedication, Innovation Environmental Design International Inc. Civil, Survey, Environmental and Construction Inspection Services 33 W. MONROE STREET, SUITE 1825, CHICAGO, IL 60603 Ph: (312) 345-1400 Fax (312)345-0529 www.edesignl.com	USER NAME = aselber	DESIGNED - AFK	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CHICAGO HTS - GLENWOOD ROAD OVER BUTTERFIELD CREEK ROADWAY PLAN	F.A.U. SECTION COUNTY TOTAL SHEET RTE. NO. NO. SHEETS NO.				
		DRAWN - AFK	REVISED -			3603	68B-1	COOK	19	6
		CHECKED -	REVISED -			CONTRACT NO. 62X43				
	PLOT DATE = 5/6/2026	DATE -	REVISED -							
					SCALE: 1"=20'	SHEET 1 OF 1 SHEETS	STA. 68+80	TO STA. 70+06	ILLINOIS	FED. AID PROJECT

LEGEND

- 1

MODIFIED URETHANE PAVEMENT MARKING, TYPE D - LINE 4" (WHITE EDGE LINE)
- 2

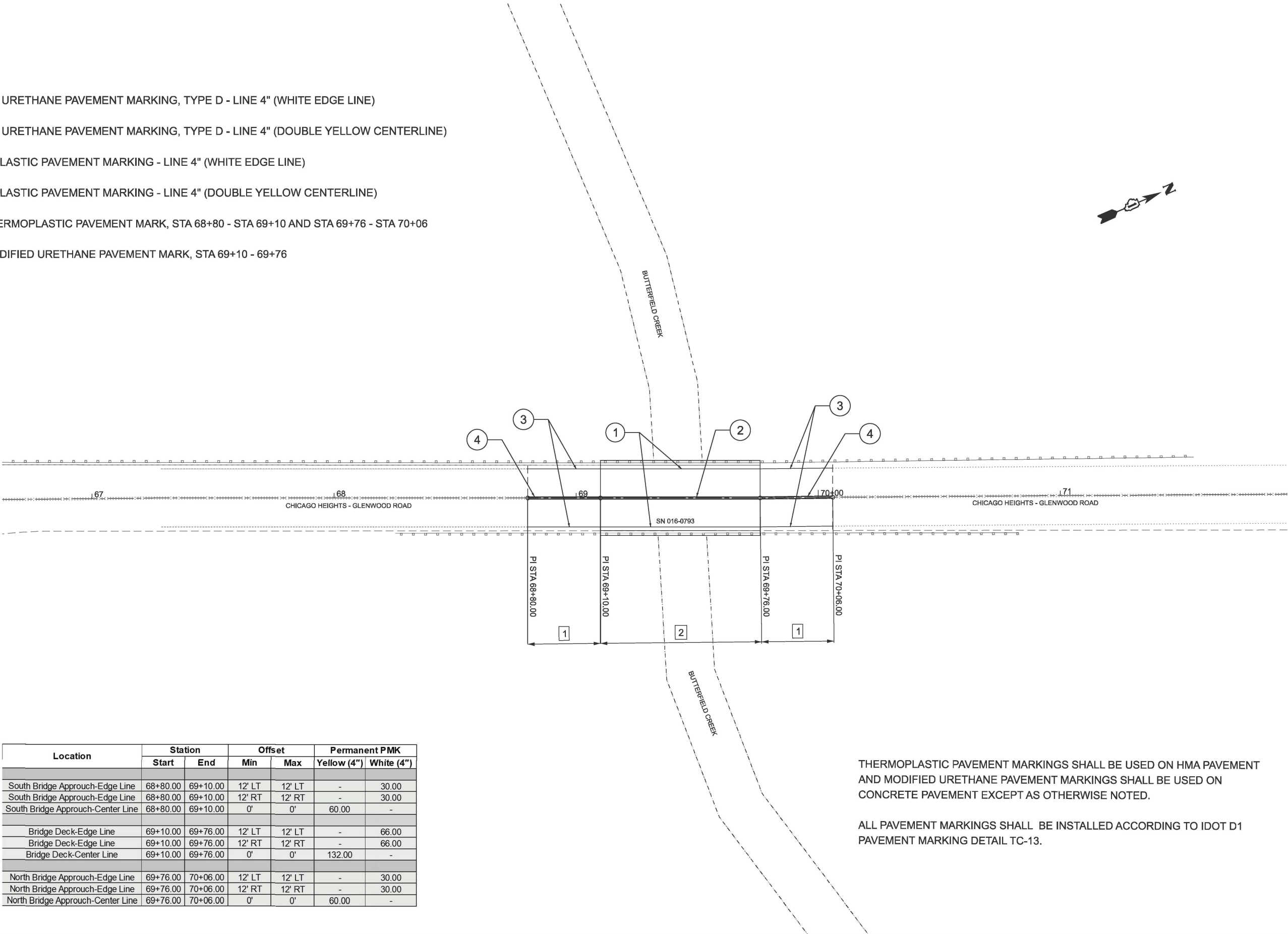
MODIFIED URETHANE PAVEMENT MARKING, TYPE D - LINE 4" (DOUBLE YELLOW CENTERLINE)
- 3

THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE EDGE LINE)
- 4

THERMOPLASTIC PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW CENTERLINE)
- 1

LIMITS THERMOPLASTIC PAVEMENT MARK, STA 68+80 - STA 69+10 AND STA 69+76 - STA 70+06
- 2

LIMITS MODIFIED URETHANE PAVEMENT MARK, STA 69+10 - 69+76



Location	Station		Offset		Permanent PMK	
	Start	End	Min	Max	Yellow (4")	White (4")
South Bridge Approach-Edge Line	68+80.00	69+10.00	12' LT	12' LT	-	30.00
South Bridge Approach-Edge Line	68+80.00	69+10.00	12' RT	12' RT	-	30.00
South Bridge Approach-Center Line	68+80.00	69+10.00	0'	0'	60.00	-
Bridge Deck-Edge Line	69+10.00	69+76.00	12' LT	12' LT	-	66.00
Bridge Deck-Edge Line	69+10.00	69+76.00	12' RT	12' RT	-	66.00
Bridge Deck-Center Line	69+10.00	69+76.00	0'	0'	132.00	-
North Bridge Approach-Edge Line	69+76.00	70+06.00	12' LT	12' LT	-	30.00
North Bridge Approach-Edge Line	69+76.00	70+06.00	12' RT	12' RT	-	30.00
North Bridge Approach-Center Line	69+76.00	70+06.00	0'	0'	60.00	-

THERMOPLASTIC PAVEMENT MARKINGS SHALL BE USED ON HMA PAVEMENT AND MODIFIED URETHANE PAVEMENT MARKINGS SHALL BE USED ON CONCRETE PAVEMENT EXCEPT AS OTHERWISE NOTED.

ALL PAVEMENT MARKINGS SHALL BE INSTALLED ACCORDING TO IDOT D1 PAVEMENT MARKING DETAIL TC-13.

MODEL: EXC44 - rdwy (Sheet)
FILE NAME: C:\Users\aselber\OneDrive\Engineering\Illinois\DOT\199-013 (2)\Work Order #13 (62X43)\From Sub\Final\ED\ORD\162X43-Pvmt Marking Plan.dgn

Existing Structure:

SN 016-0793 was originally constructed in 1920. The bridge consists of a 2-span reinforced concrete deck on steel rolled sections. The substructure consists of integral reinforced concrete abutments and an intermediate pier.

No Salvage.

LOADING HS20-44

No future wearing surface allowed

DESIGN STRESSES

FIELD UNITS

EXISTING CAST IN PLACE CONCRETE

$f'_c = 3,500$ psi (Concrete)
 $f_y = 32,000$ psi (Reinforcement)

PROPOSED CAST IN PLACE CONCRETE

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

DESIGN SPECIFICATIONS

AASHTO LRFD Bridge Design Specifications, 9th Edition.

Illinois Department Of Transportation Bridge
Manual Dated January 2023.

GSG CONSULTANTS, INC

MAJLINDA AGOJCI P.E., S.E.

* 081-006911

EXPIRATION DATE: 11/30/2026

SIGNATURE AND SEAL APPLY
TO DRAWINGS:
8 TO 14

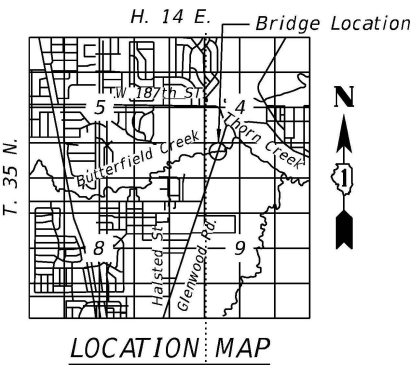
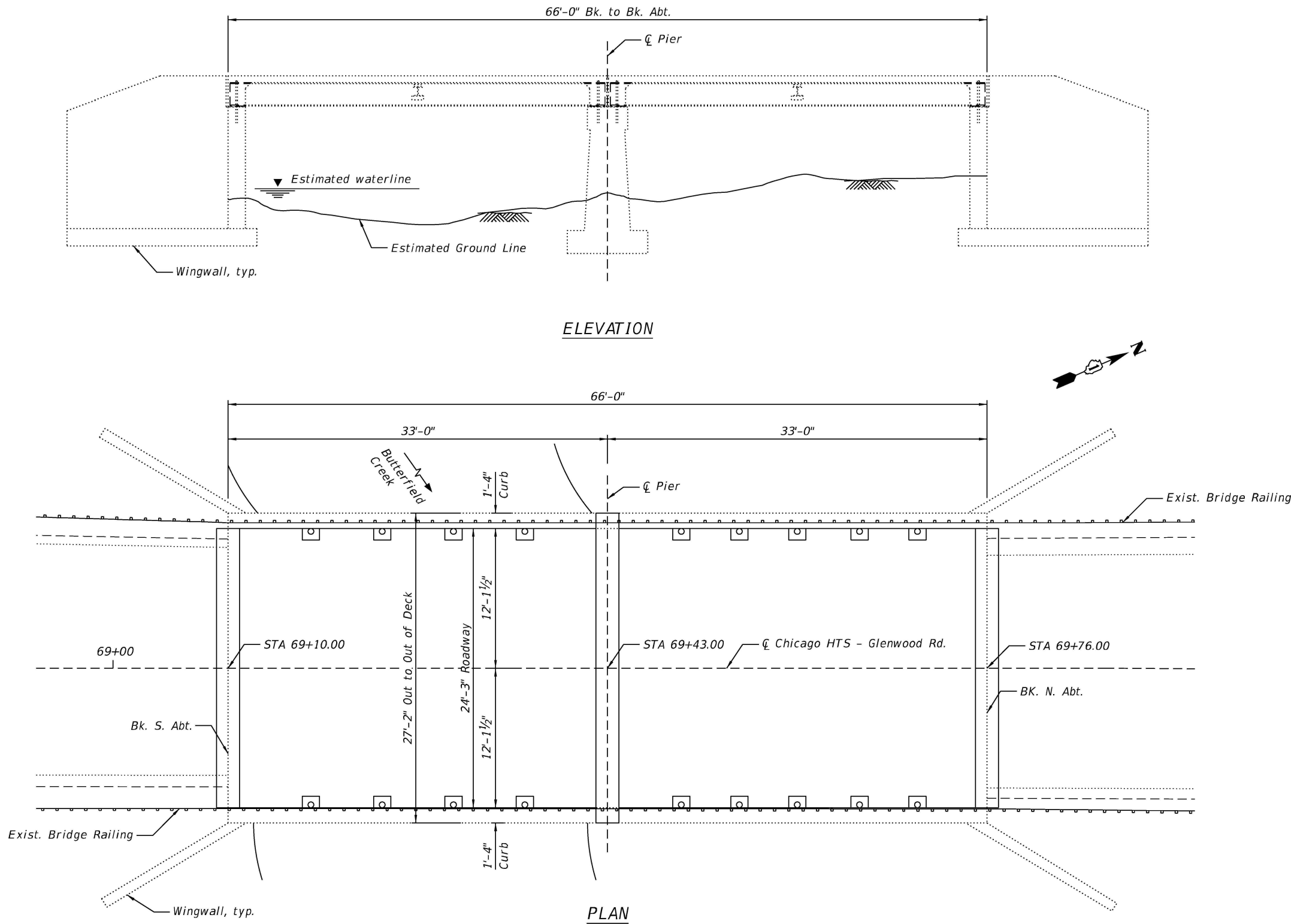
03/16/2026

LICENSED STRUCTURAL ENGINEER

MAJLINDA AGOJCI

081-006911

STATE OF ILLINOIS



GENERAL PLAN AND ELEVATION
CHICAGO HEIGHTS - GLENWOOD RD.
SEC. F.A.I. 57, FAU 3603, BRIDGE REHAB
COOK COUNTY
STRUCTURE NO. 016-0793

FILE NAME = \$FILES
PLOT SCALE = 10,000' / 1 in.
USER NAME = ARJENMEVES

GSG CONSULTANTS, INC.
735 E. REMINGTON RD. SCHAUMBURG, IL 60173
TEL: +1830.994.2600 | WWW.GSG-CONSULTANTS.COM

USER NAME =	DESIGNED - AAA	REVISED -
DRAWN - AAA	REVISED -	
PLOT SCALE =	CHECKED - KZ	REVISED -
PLOT DATE =	DATE - 11/26/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN AND ELEVATION
STRUCTURE NO. 016-0793

SCALE: 1"=10' SHEET NO. 51 OF 57 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3603	681-DL	COOK	19	8
CONTRACT NO. 62X43				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

INDEX OF SHEETS

S1	GENERAL PLAN AND ELEVATION
S2	GENERAL NOTES, INDEX OF SHEETS & BILL OF MATERIAL
S3	DECK OVERLAY AND SLAB REPAIR PLANS
S4	EXPANSION JOINT DETAILS
S5	PREFORMED JOINT STRIP SEAL
S6	ABUTMENT REPAIR DETAILS
S7	PIER REPAIR DETAILS

GENERAL NOTES

1. Plan dimensions and details relative to the existing structure have been taken from existing plans and are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished based upon the unit price bid for the work.
2. Existing reinforcement bars extending into the removal area shall be cleaned, straightened and incorporated into the new construction. Any reinforcement bars that are damaged during concrete removal shall be replaced with an approved bar splicer or anchorage system. Cost included with Concrete Removal.
3. Reinforcement bars designated "(E)" shall be epoxy coated.
4. Reinforcement bar bending details shall be in accordance with the latest "Manual of Standard Practice for Detailing Reinforced Concrete Structures, ACI 315".
5. Reinforcement bar bending dimensions are out to out.
6. Contractor shall not scale dimensions from the Contract Plans for construction purposes. Scales shown are for information only.
7. No construction joints except those shown on the plans shall be allowed unless approved by the Engineer.
8. No concrete cutting shall be permitted until the cutting limits have been outlined by the Contractor and approved by the Engineer.
9. Joint openings shall be adjusted according with Article 520.04 of the Standard Specs, when the deck is poured at an ambient temperature other than 50°F.
10. The contractor shall obtain a construction permit from the Illinois Department of Natural Resources (IDNR), Office of Water Resources for any temporary construction activity placed in the water except causeways.

SCOPE OF WORK

1. Perform 3/4" Bridge Deck Scarification.
2. Perform partial depth deck patching as required.
3. Perform full depth deck repair as required.
4. Adjust Bridge Deck Scuppers.
5. Reconstruct bridge deck joints at the Abutments and at the Pier with Silicone Joint Seal.
6. Apply 2 1/2" Bridge Deck Latex Overlay and perform Bridge Deck Grooving, and diamond grinding.
7. Apply Protective Coat to the existing parapet concrete and to new concrete overlay.
8. Perform Structural Repair on Abutments and Pier.

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Concrete Removal	Cu Yd		3.7	3.7
Concrete Superstructure	Cu Yd		3.7	3.7
Protective Coat	Sq Yd		205	205
Reinforcement Bars, Epoxy Coated	Pound		680	680
Preformed Joint Seal	Foot		76	76
Bridge Deck Grooving (Longitudinal)	Sq Yd		163	163
Bridge Deck Latex Concrete Overlay, 2 1/2 Inches	Sq Yd		178	178
Bridge Deck Scarification 3/4"	Sq Yd		178	178
Diamond Grinding (Bridge Section)	Sq Yd		149	149
Deck Slab Repair (Full Depth, Type II)	Sq Yd		8	8
Structural Repair of Concrete (Depth Equal to or Less than 5 Inches)	Sq Ft	29		29
Structural Repair Of Concrete (Depth Greater than 5")	Sq Ft	12		12
Epoxy Crack Injection	Foot	61		61

FILE NAME = SFILES
PLOT SCALE = 12,000 * 1/4" = 1" = 300mm
USER NAME = SCHUMASPER



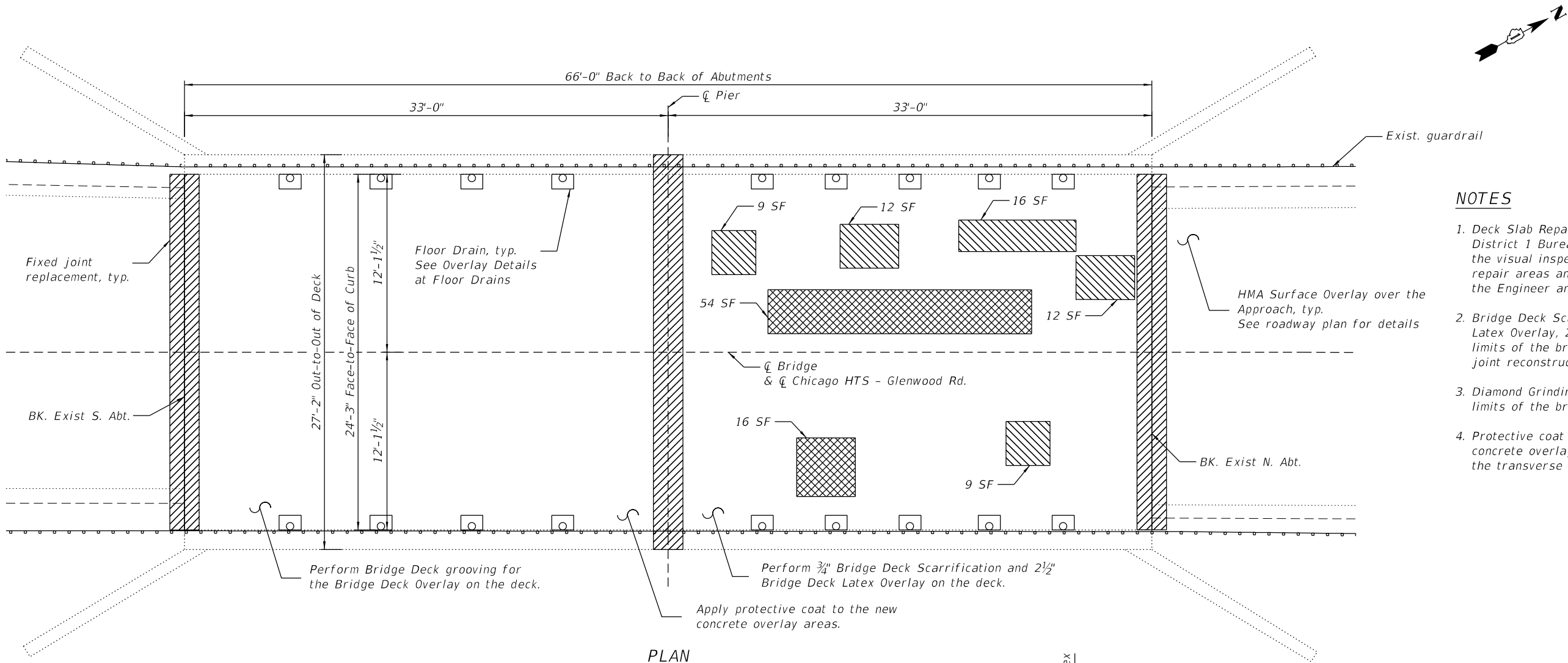
USER NAME =	DESIGNED - KZ	REVISED -
	DRAWN - AAA	REVISED -
PLOT SCALE =	CHECKED - KZ	REVISED -
PLOT DATE =	DATE - 11/26/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

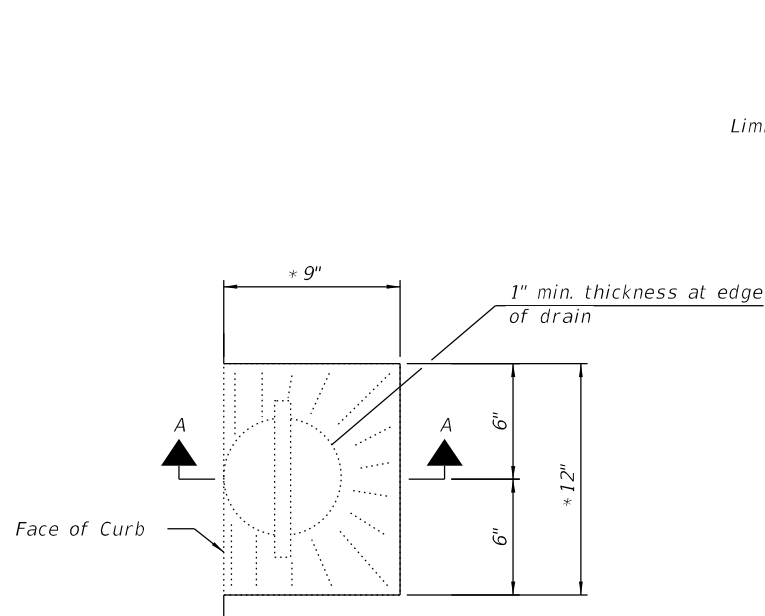
GENERAL NOTES, INDEX OF SHEETS & BILL OF MATERIAL
STRUCTURE NO. 016-0793

SCALE: SHEET NO. S2 OF S7 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3603	681-DL	COOK	19	9
CONTRACT NO. 62X43				
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

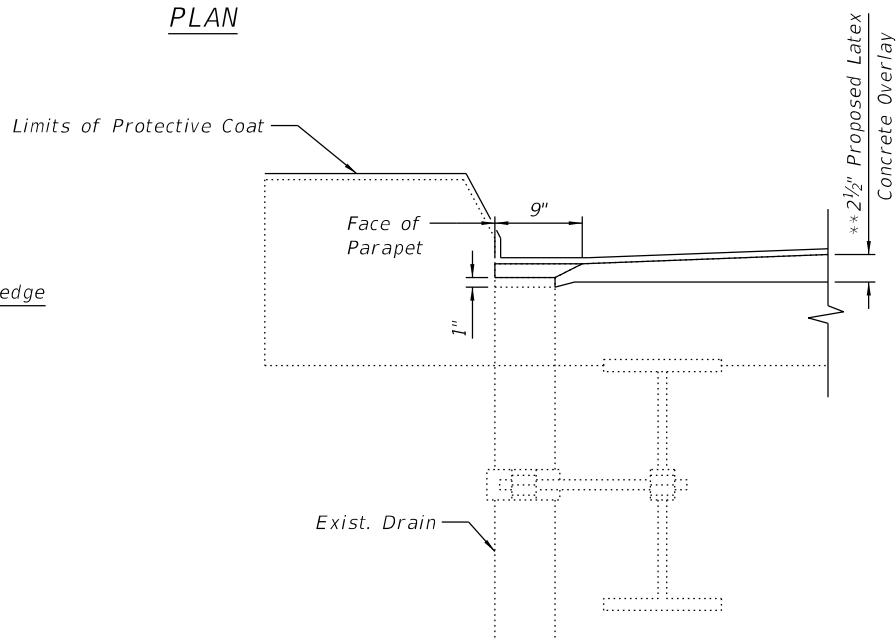


PLAN



DRAIN DETAIL

* Slope to drain



SECTION A-A

** Prior to 1/4" Diamond Grinding

NOTES

- Deck Slab Repair areas estimated based on District 1 Bureau of Maintenance field notes and the visual inspection completed in 2024 Actual repair areas and locations shall be determined by the Engineer and shown on the as-built plans.
- Bridge Deck Scarification, $\frac{3}{4}$ " and Bridge Deck Latex Overlay, $2\frac{1}{2}$ " shall be performed over the limits of the bridge deck, excluding the transverse joint reconstruction areas.
- Diamond Grinding, $\frac{1}{4}$ " shall be performed over the limits of the bridge deck.
- Protective coat shall be applied to the proposed concrete overlay, inside faces of the curbs, and the transverse joint reconstruction areas.

LEGEND

- Deck Slab Repair (Full Depth, Type II)
- Deck Slab Repair (Partial Depth)*
- Concrete Removal

* Deck Slab Repair (Partial Depth) to be paid under Bridge Deck Latex Concrete Overlay, $2\frac{1}{2}$ ".

BILL OF MATERIAL

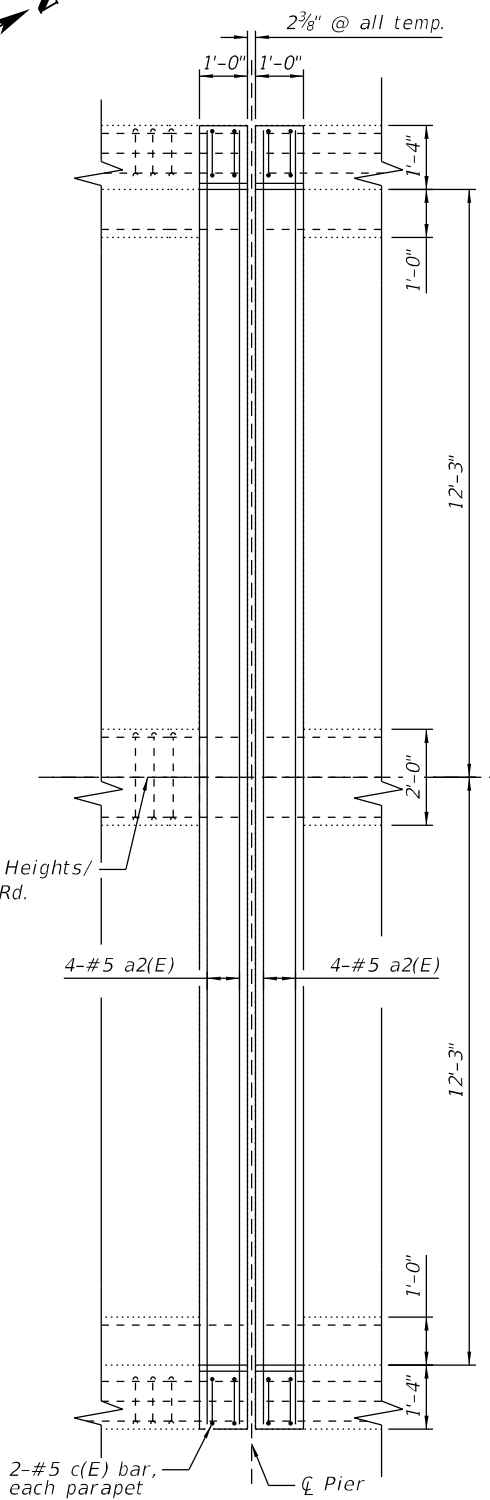
ITEM	UNIT	TOTAL
Concrete Removal	Cu Yd	3.7
Protective Coat	Sq Yd	205
Bridge Deck Grooving (Longitudinal)	Sq Yd	163
Bridge Deck Latex Concrete Overlay, 2 1/2 Inches	Sq Yd	178
Bridge Deck Scarification 3/4"	Sq Yd	178
Deck Slab Repair (Full Depth, Type II)	Sq Yd	8
Diamond Grinding (Bridge Section)	Sq Yd	149

USER NAME =	DESIGNED - AAA	REVISED -
DRAWN - AAA	REVISED -	
PLOT SCALE =	CHECKED - KZ	REVISED -
PLOT DATE =	DATE - 11/26/2024	REVISED -

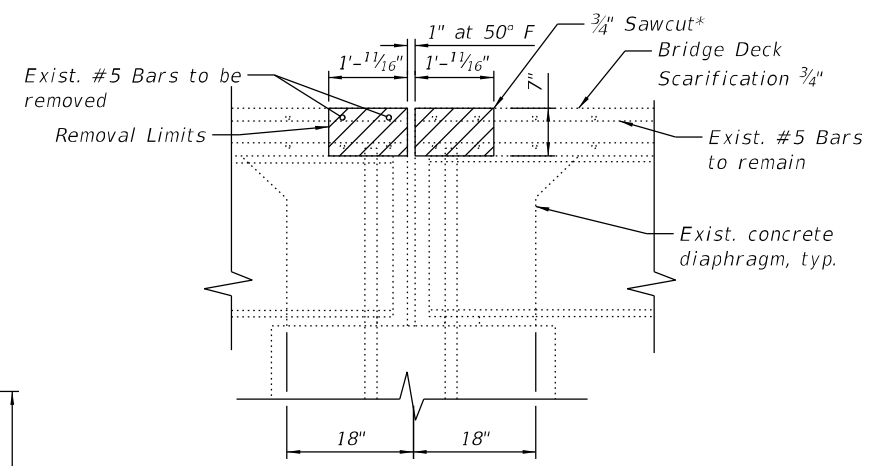
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3603	681-DL	COOK	19	10
CONTRACT NO. 62X43				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



Chicago Heights/
Glenwood Rd.

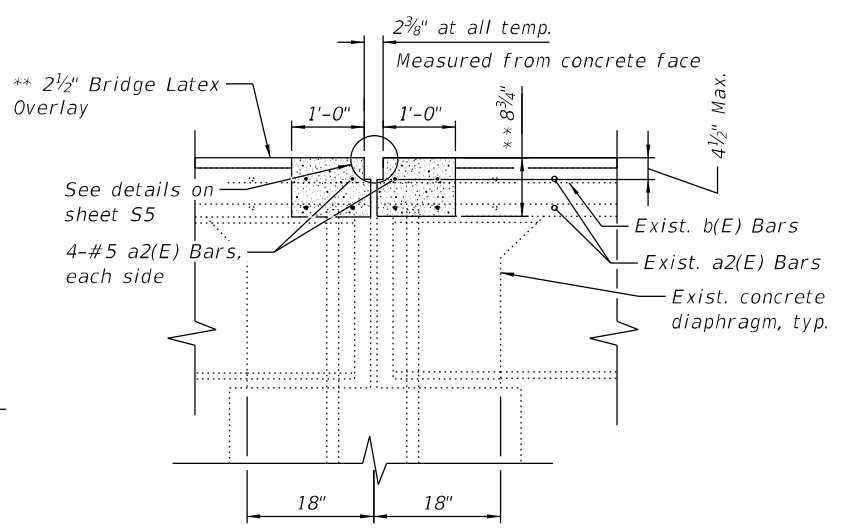


FIXED JOINT AT PIER



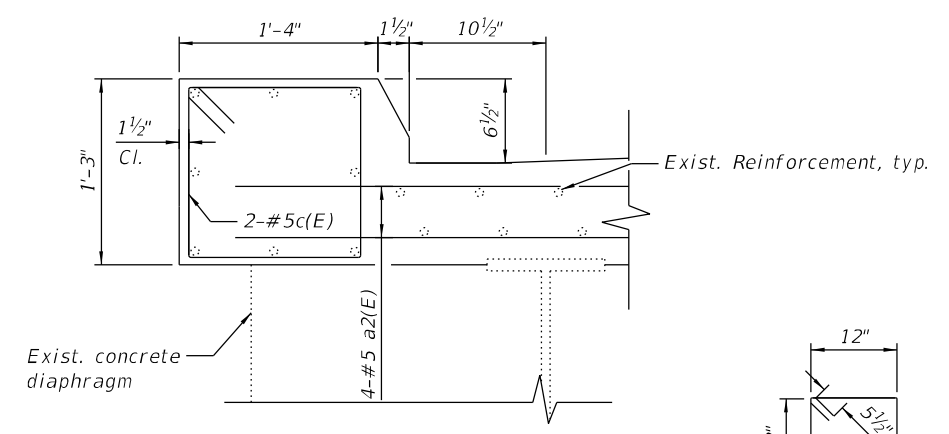
JOINT REMOVAL DETAILS
AT PIER

* Sawcut included in the cost of Concrete Removal

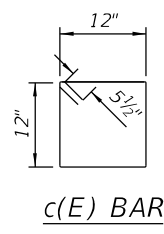


JOINT CONSTRUCTION DETAILS
AT PIER

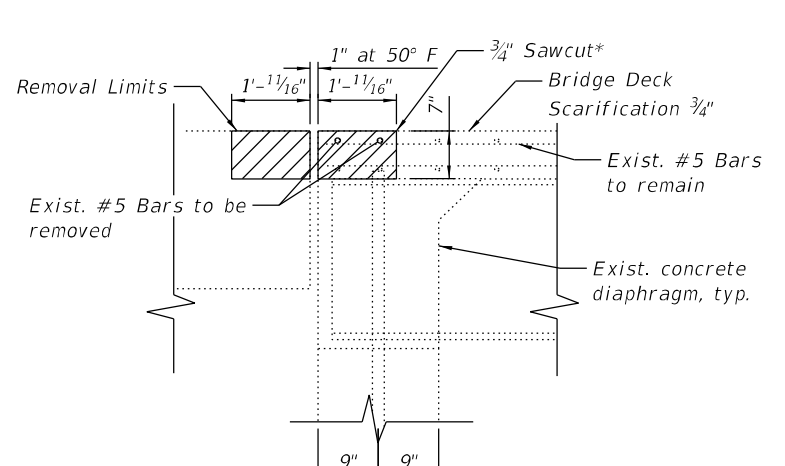
** Prior to 1/4" Diamond Grinding



CURB SECTION AT JOINT

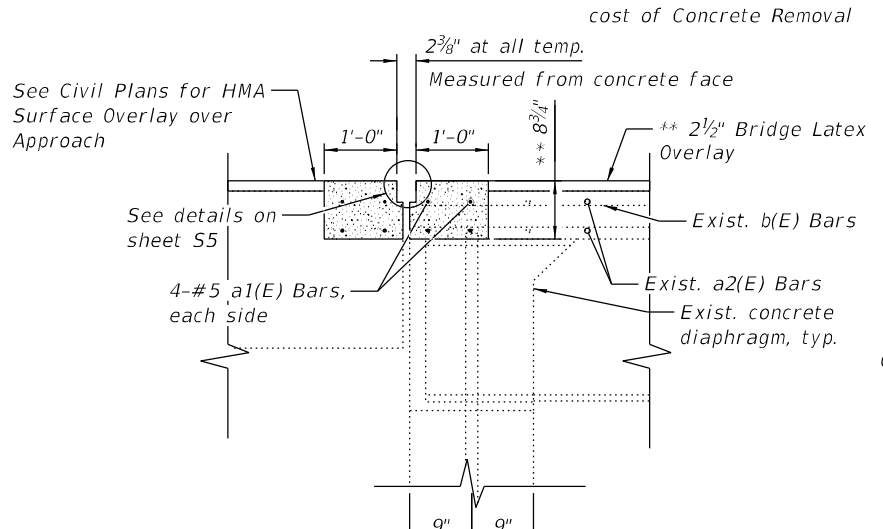


c(E) BAR



JOINT REMOVAL DETAILS
AT ABUTMENT

* Sawcut included in the cost of Concrete Removal



JOINT CONSTRUCTION DETAILS
AT SOUTH ABUTMENT
(NORTH ABUTMENT OPPOSITE HAND)

** Prior to 1/4" Diamond Grinding

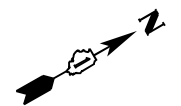
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a1(E)	16	#5	24'-2"	—
a2(E)	8	#5	26'-8"	—
c(E)	8	#5	4'-11"	□
Reinforcement Bars, Epoxy Coated			Lbs.	680
Concrete Superstructure			Cu. Yds.	3.7

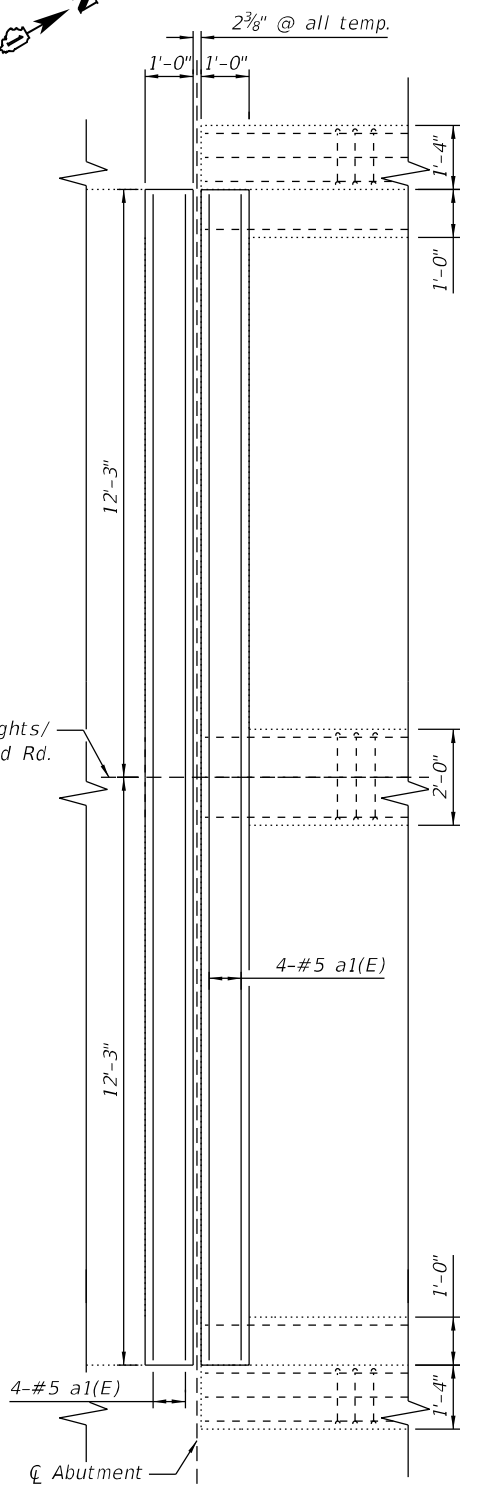
Bill of Material shown for all joint repairs.

Note:

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



Chicago Heights/
Glenwood Rd.



FIXED JOINT AT SOUTH ABUTMENT
(NORTH ABUTMENT OPPOSITE HAND)

FILE NAME =
PLOT SCALE =
USER NAME =

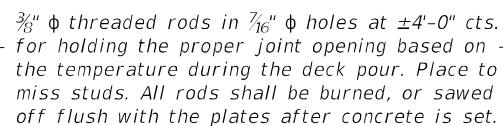
GSG CONSULTANTS, INC.
735 E. REMINGTON RD., SCHAMBURG, IL 60173
TEL: (630) 994-2600 | WWW.GSG-CONSULTANTS.COM

USER NAME =	DESIGNED - KZ	REVISED -
PLOT SCALE =	DRAWN - AAA	REVISED -
PLOT DATE =	CHECKED - KZ	REVISED -
	DATE - 11/26/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

JOINT RECONSTRUCTION DETAILS STRUCTURE NO. 016-0793			
SCALE: 1" = 2'	SHEET NO. 54 OF 57 SHEETS	STA. TO STA.	

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3603	681-DL	COOK	19	11
CONTRACT NO. 62X43				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



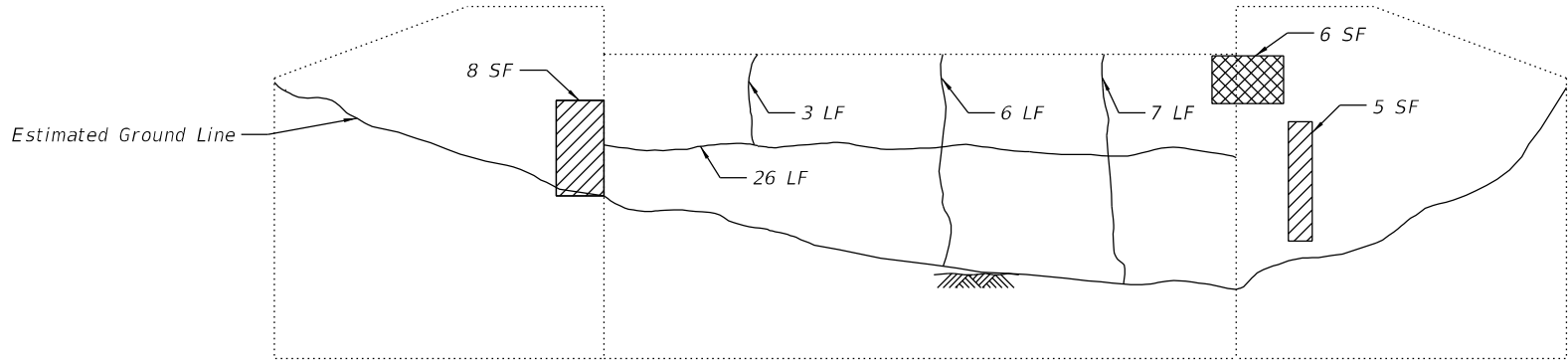
The inside of the locking edge rail groove shall be free of weld residue.
Rolled rail shown, welded rail similar.

LOCKING EDGE RAILS

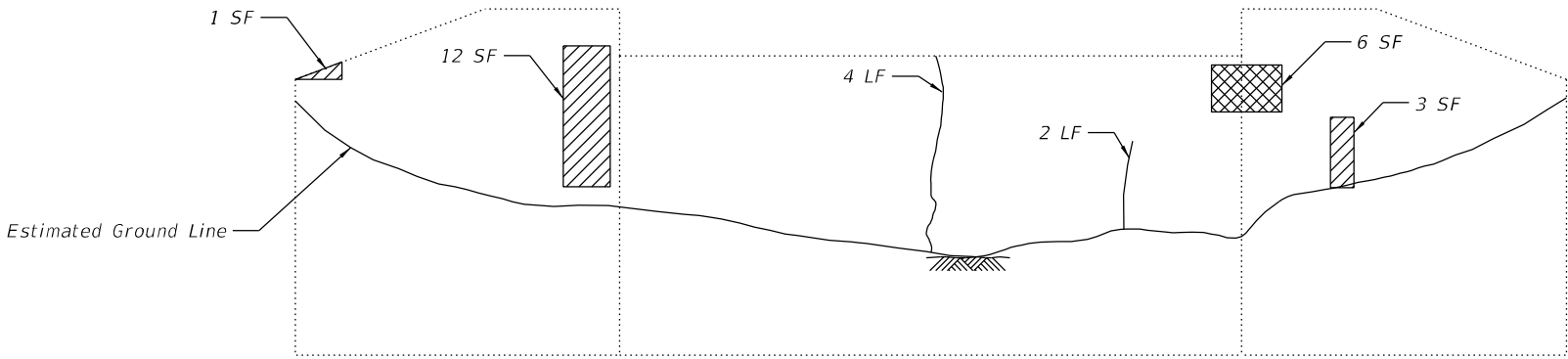
**** Back gouge not required if complete joint penetration is verified by mock-up.**

BILL OF MATERIAL

<i>Item</i>	<i>Unit</i>	<i>Total</i>
<i>Preformed Joint Strip Seal</i>	<i>Foot</i>	<i>76</i>



SOUTH ABUTMENT ELEVATION
(Unfolded view, looking South)



NORTH ABUTMENT ELEVATION
(Unfolded view, looking North)

LEGEND

-  Structural Repair of Concrete less than 5"
-  Structural Repair of Concrete greater than 5"
-  Epoxy Crack Injection

BILL OF MATERIAL

ITEM	UNIT	TOTAL
Structural Repair of Concrete (Depth Equal to or Less than 5 Inches)	Sq Ft	29
Structural Repair of Concrete (Depth Greater than 5 Inches)	Sq Ft	12
Epoxy Crack Injection	Foot	48

FILE NAME = SFILES
PLOT SCALE = 8.000' / 1"
USER NAME = ADJUDICES



GSG CONSULTANTS, INC.
735 E. REMINGTON RD. SCHAUMBURG, IL 60173
TEL: +1630.994.2600 | WWW.GSG-CONSULTANTS.COM

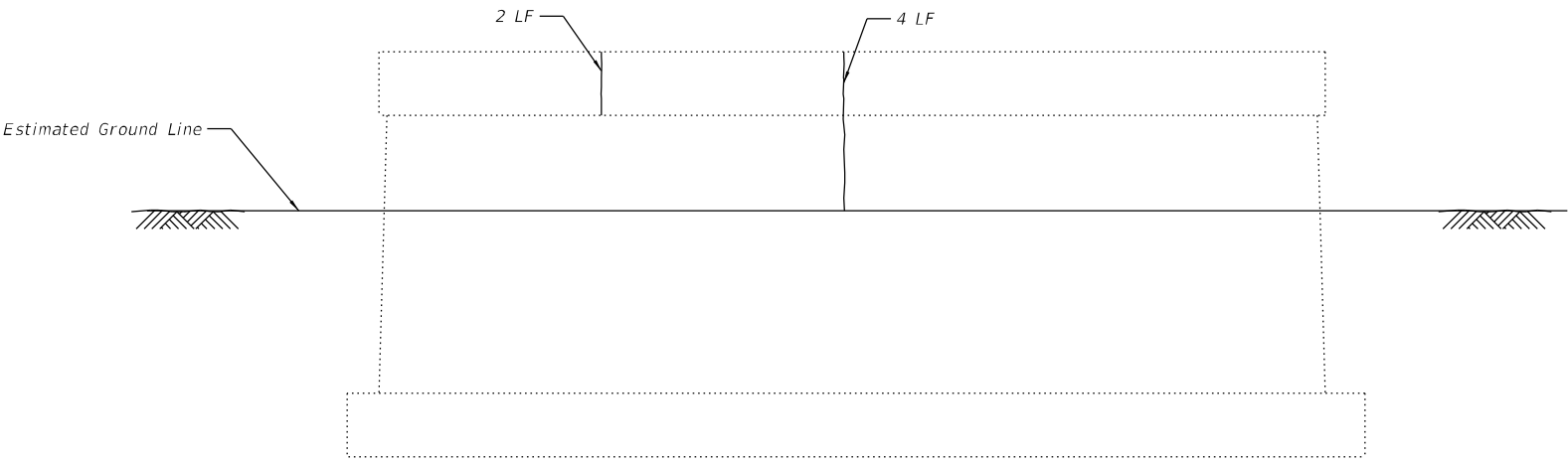
USER NAME =	DESIGNED - AAA	REVISED -
	DRAWN - AAA	REVISED -
PLOT SCALE =	CHECKED - KZ	REVISED -
PLOT DATE =	DATE - 11/26/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

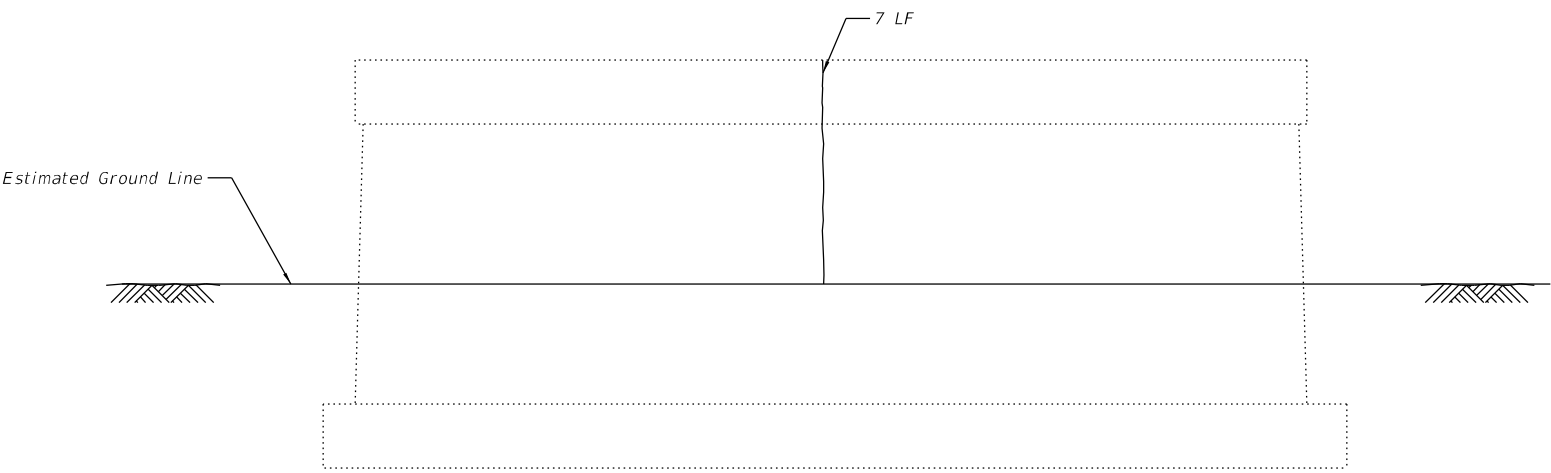
ABUTMENT REPAIR DETAILS
STRUCTURE NO. 016-0793

SCALE: -	SHEET NO. 56 OF 57 SHEETS	STA. - TO STA. -
----------	---------------------------	------------------

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3603	681-DL	COOK	19	13
CONTRACT NO. 62X43				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



PIER NORTH FACE
(Looking South)



PIER SOUTH FACE
(Looking North)

LEGEND

 Epoxy Crack Injection

BILL OF MATERIAL

ITEM	UNIT	TOTAL
Epoxy Crack Injection	Foot	13

FILE NAME = FILES
PLOT SCALE = 6,000' / 1" =
USER NAME = ADJUNIMERS



GSG CONSULTANTS, INC.

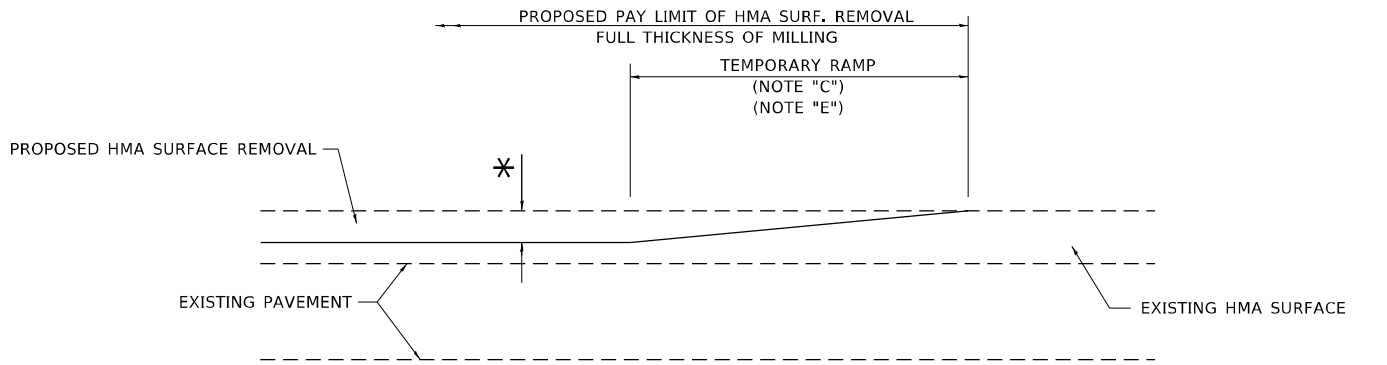
735 E. REMINGTON RD. SCHAUMBURG, IL 60173
TEL: +1630.994.2600 | WWW.GSG-CONSULTANTS.COM

USER NAME	=	DESIGNED	-	AAA	REVISED	-
		DRAWN	-	AAA	REVISED	-
PLOT SCALE	=	CHECKED	-	KZ	REVISED	-
PLOT DATE	=	DATE	-	11/26/2024	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

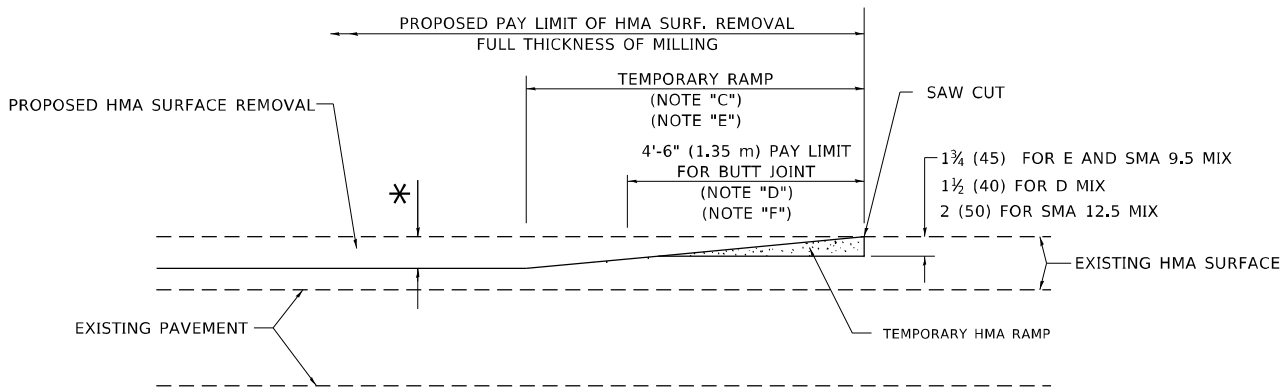
PIER REPAIR DETAILS
STRUCTURE NO. 016-0793

SCALE: 1" = 60'	SHEET NO. 57 OF 57 SHEETS	STA. 1+00.00 TO STA. 1+00.00	F.A.U. RTE. 3603	SECTION 681-DL	COUNTY COOK	TOTAL SHEETS 19	SHEET NO. 14
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT							



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

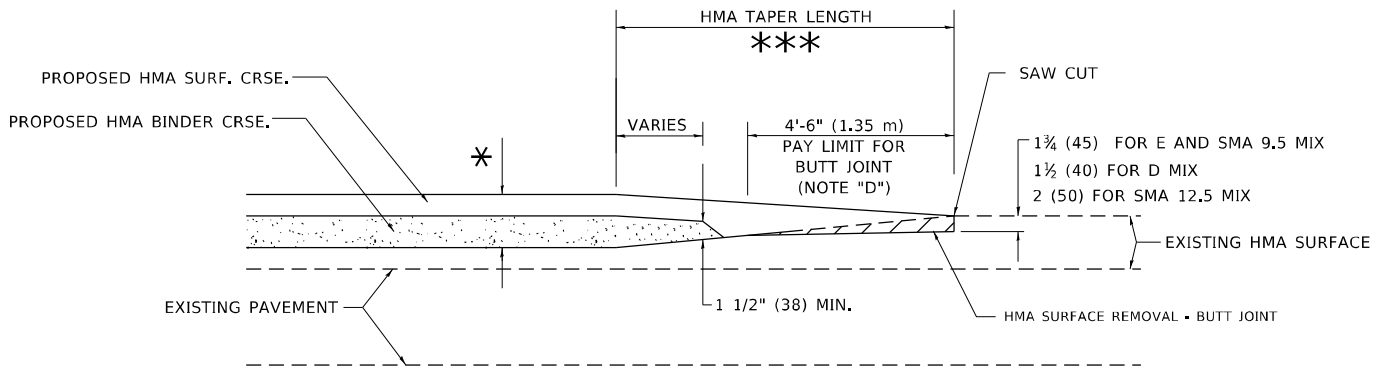
OPTION 1



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

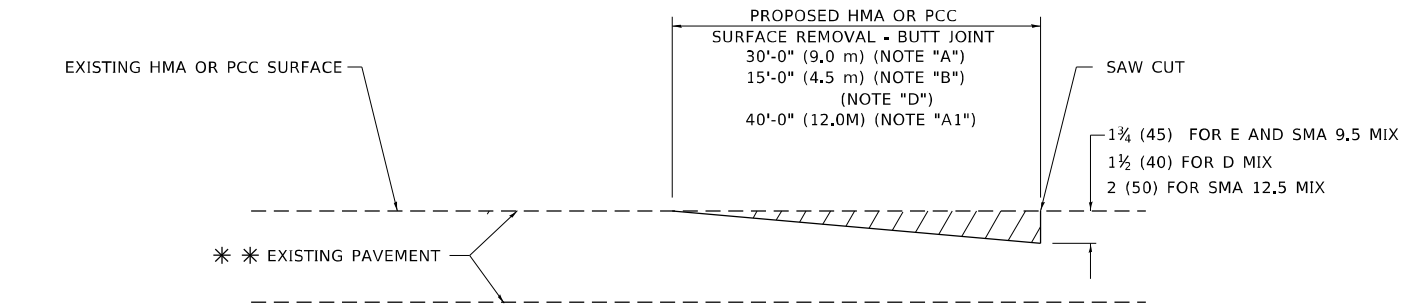
OPTION 2

TYPICAL TEMPORARY RAMP

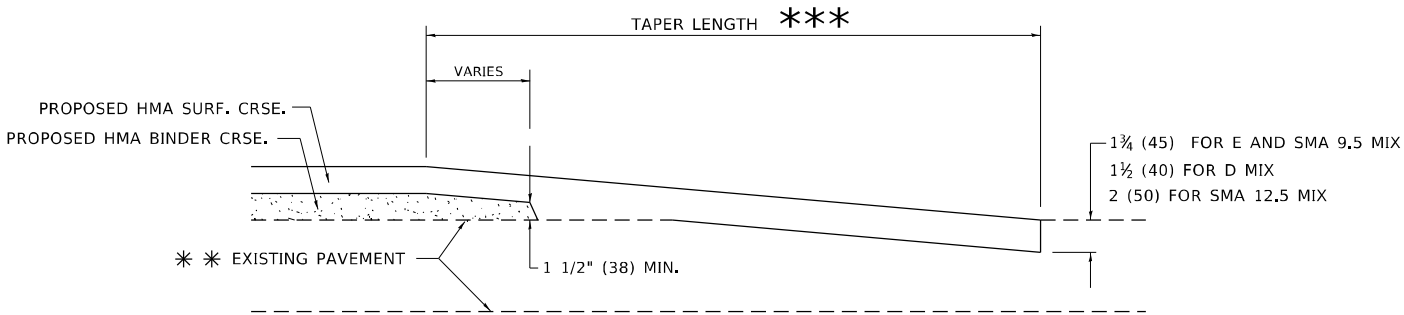


BUTT JOINT AND HMA TAPER

TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING



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.

MODEL: Default.dgn
FILE: \\hwy100\pav\hwy100\com\pav\DOT Documents\DOT Office\Dirid: 1\Projects\Dirid542723\ACAD\Drawings\CD\Drawings\032.dgn

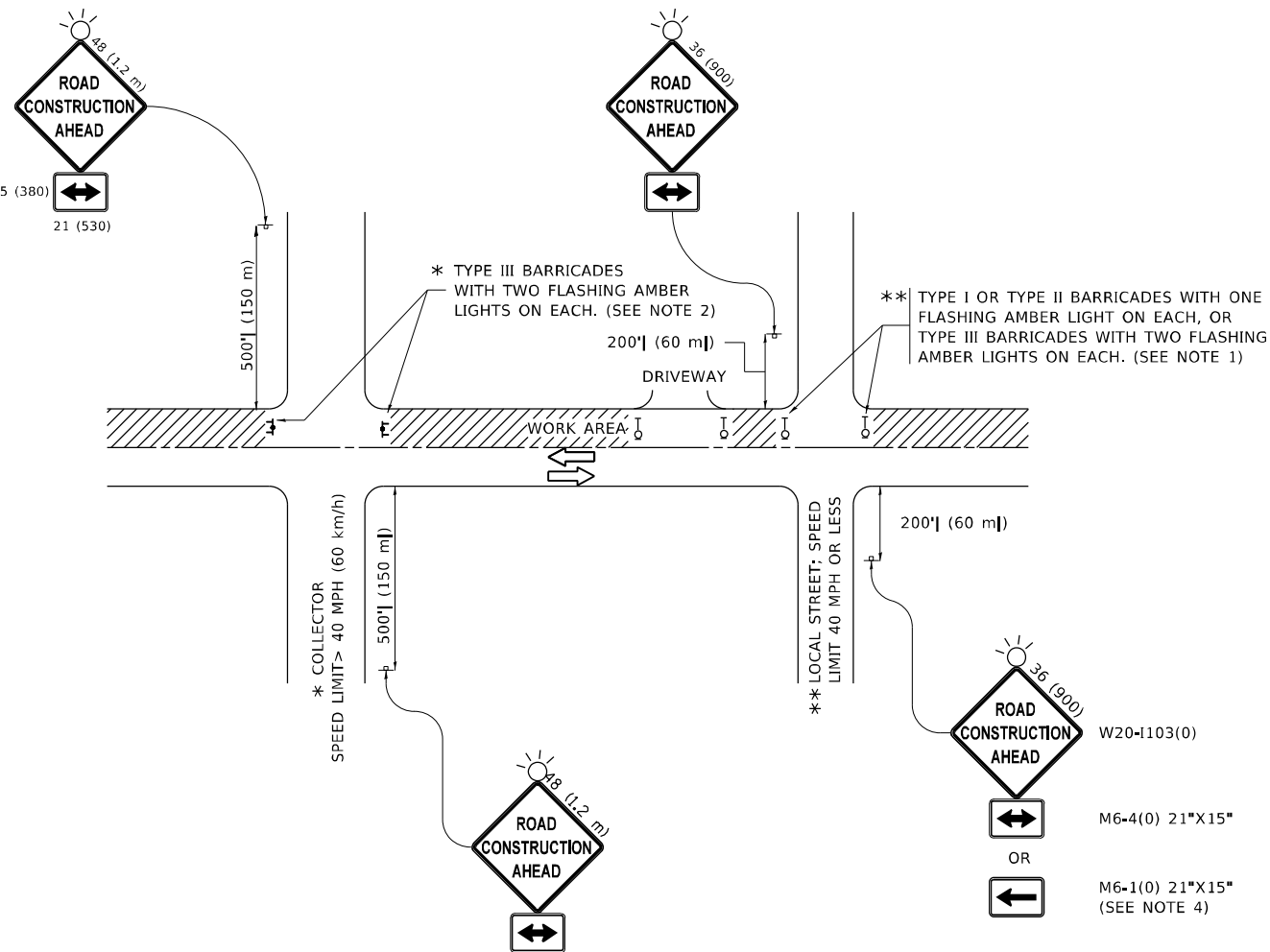
USER NAME = Lawrence,DeManche	DESIGNED - M. DE YONG	REVISED - A. ABBAS 03-21-97
	DRAWN -	REVISED - M. GOMEZ 04-06-01
PLOT SCALE = 100,0000 * / in	CHECKED -	REVISED - R. BORO 01-01-07
PLOT DATE = 11/18/2022	DATE - 06-13-90	REVISED - K. SMITH 11-18-22

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BUTT JOINT AND
HMA TAPER DETAILS

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

F.A.J. RATE:	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3603	68B-1	COOK	19	15
BD400-05 BD-32		CONTRACT NO. 62X43		
		ILLINOIS	FED. AID PROJECT	



NOTES:

1. SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - a) ONE "ROAD CONSTRUCTION AHEAD" SIGN 36 x 36 (900x900) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
 - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - a) ONE "ROAD CONSTRUCTION AHEAD" SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.

THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY
 - 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.

WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE
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.

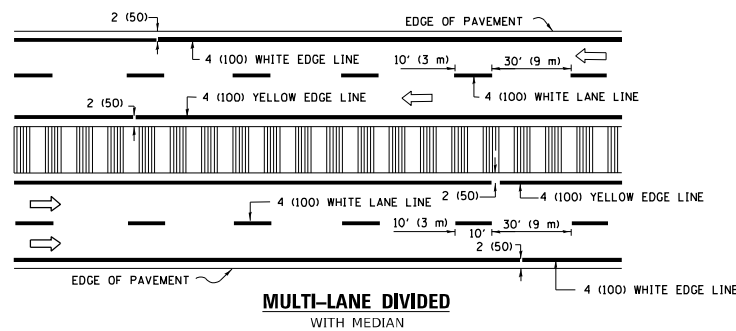
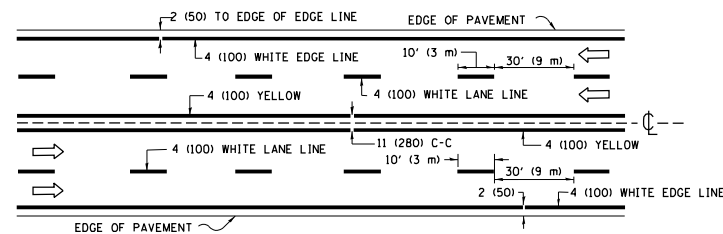
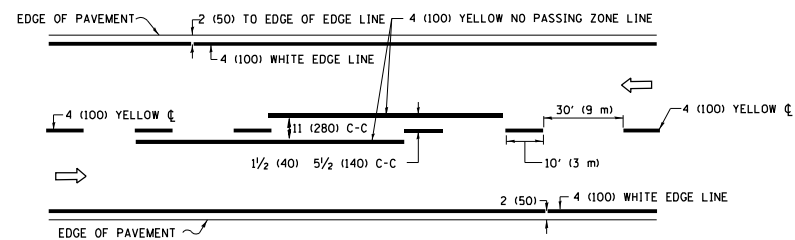
USER NAME ■ LawrenceDeManche	DESIGNED ■ L.H.A.	REVISED ■ T. RAMMACHER 01-06-00
	DRAWN ■	REVISED ■ A. SCHUETZE 07-01-13
PLOT SCALE ■ 100,000' / in.	CHECKED ■	REVISED ■ A. SCHUETZE 09-15-16
PLOT DATE ■ 5/3/2024	DATE ■ 06-89	REVISED ■ D. SENDERAK 05-03-24

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

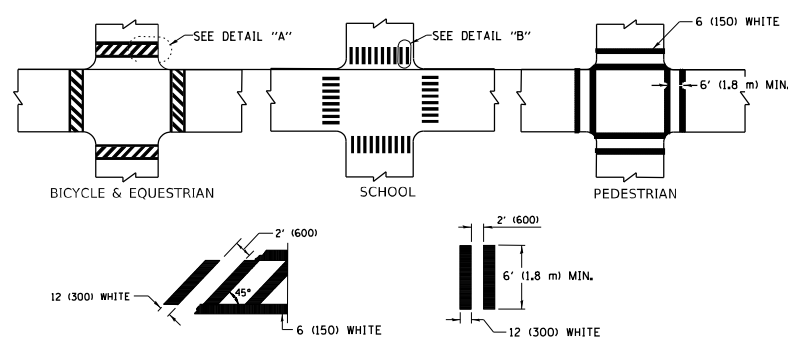
TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAY

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

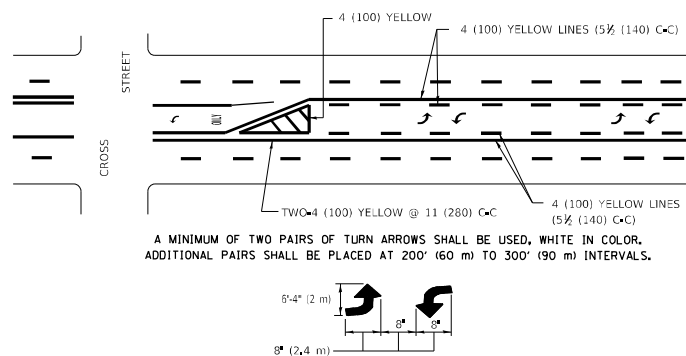
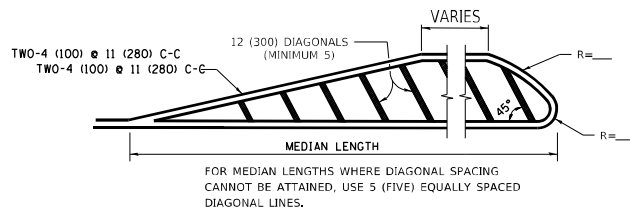
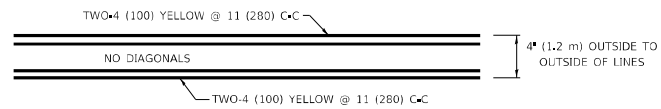
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3603	68B-1	COOK	19	16
TC-10		CONTRACT NO. 62X43		
	ILLINOIS	FED. AID PROJECT		



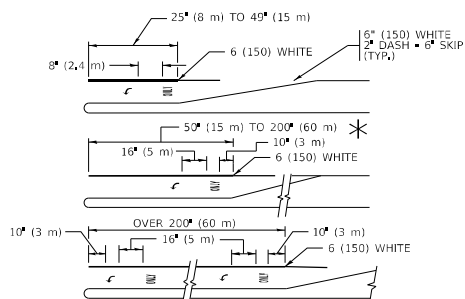
TYPICAL LANE AND EDGE LINE MARKING



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



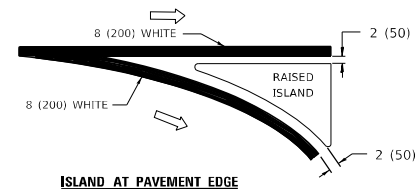
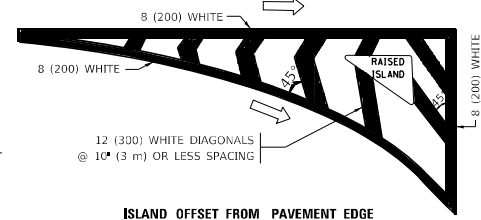
TYPICAL PAINTED MEDIAN MARKING



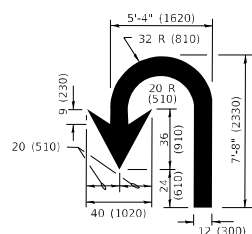
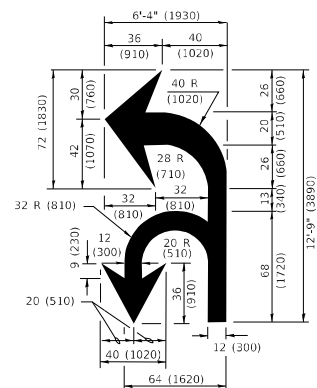
FULL SIZE LETTERS 8" (2.4 m) AND ARROWS SHALL BE USED.

↶ 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 ISLAND MARKING



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 WHITE	5½ (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; 5½ (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" IS 6' (1,8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: *R=3,6 SQ. FT, (0,33 m) EACH *X=54,0 SQ. FT, (5,0 m) X
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)) 130' (45 m) C/C (OVER 45MPH (70 km/h))
U TURN ARROW	SEE DETAIL	SOLID	WHITE	16,3 SF
2 ARROW COMBINATION LEFT AND U TURN	SEE DETAIL	SOLID	WHITE	30,4 SF

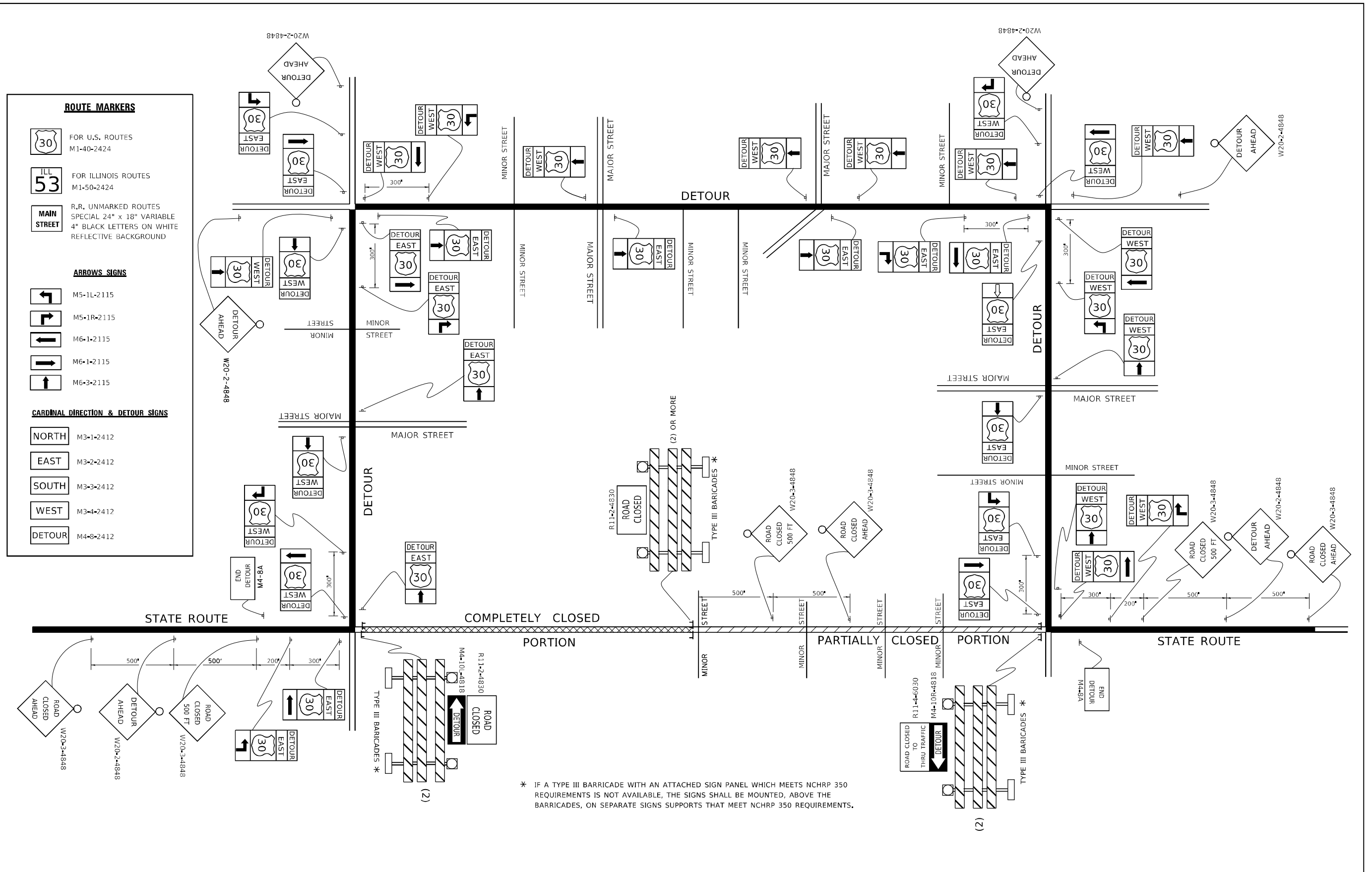
FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO
STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE
CONSTRUCTION AND STATE STANDARD 780001.

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

USER NAME = footeem	DESIGNED = EVERS	REVISED = C. JUCIUS 09-09-09
	DRAWN =	REVISED = C. JUCIUS 07-01-13
PLOT SCALE = 5/16" = 1' / in.	CHECKED =	REVISED = C. JUCIUS 12-21-15
PLOT DATE = 3/4/2019	DATE = 03-19-90	REVISED = C. JUCIUS 04-12-16

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE TYPICAL PAVEMENT MARKINGS				F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
				3603	68B-1	COOK	19	17
				TC-13		CONTRACT NO. 62X43		
				ILLINOIS FED. AID PROJECT				
SCALE: NONE	SHEET 1	OF 2 SHEETS	STA.	TO STA.				



USER NAME = footemj	DESIGNED -	REVISED - 10-18-02
	DRAWN -	REVISED - R. BORO 09-14-09
PLOT SCALE = 50,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 3/4/2019	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DETOUR SIGNING FOR CLOSING STATE HIGHWAYS

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3603	68B-1	COOK	19	18
TC-21		CONTRACT NO. 62X43		
ILLINOIS		FED. AID PROJECT		

