01-20-2023 LETTING ITEM 131

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS *	SHEET NO.
90	2020-004-BR	COOK	~~1492~~	1
	ILLINOIS	CONTRACT NO. 62K74		

* 1492 + 7 = 1499 TOTAL SHEETS

D–91–389–20

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
PROPOSED
HIGHWAY PLANS

F.A.I. ROUTE 90/94

HUBBARD STREET TO SOUTHBOUND (INBOUND) I–94 EDENS EXPY

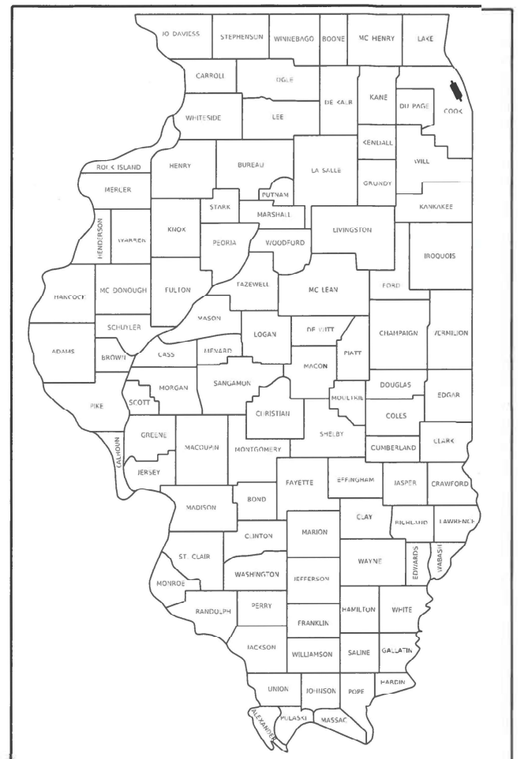
SECTION: 2020–004–BR

PROJECT: NHPP–HIBR–UH3A(902)

BRIDGE DECK OVERLAY, BRIDGE JOINT REPAIR, PATCHING

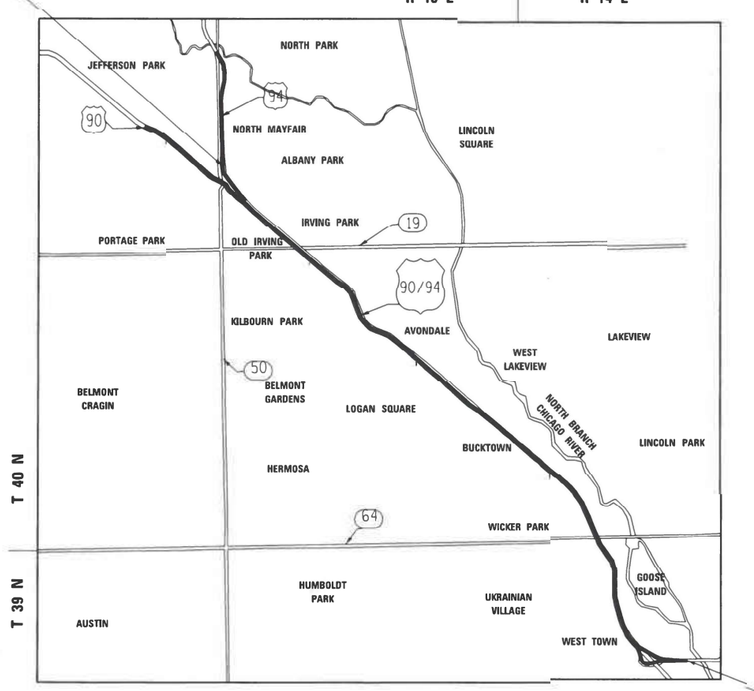
COOK COUNTY

C–91–193–20



LOCATION OF SECTION INDICATED THUS: –

PROJECT ENDS STA. 703 + 20



PROJECT BEGINS STA. 300 + 00

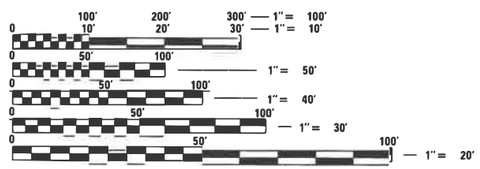
GROSS LENGTH = 40,320 FT = 7.63 MI
NET LENGTH = 40,320 FT = 7.63 MI

N

LOCATION MAP
(NOT TO SCALE)

THE PROJECT IS LOCATED IN THE CITY OF CHICAGO

TRAFFIC DATA:
POSTED SPEED LIMIT = 55 MPH
2021 ADT 232,300



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.

UTILITY LOCATES
CHICAGO UTILITY ALERT NETWORK
1–312–744–7000 OR 811
MEADE ELECTRIC CO.
DISTRICT ONE ELECTRICAL MAINTENANCE CONTRACTOR
LOCATES IDOT ELECTRICAL EQUIPMENT AND UNDERGROUND CABLES: 773–287–7672

PROJECT ENGINEER: DAN WILGREEN, PE (847–705–4240)
PROJECT MANAGER: FAWAD AQUEEL, PE, PTOE (847–705–4247)

CONTRACT NO. 62K74

GRÄEF

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED OCTOBER 12 20 22
Jose Rios
REGIONAL ENGINEER
December 9, 2022
Sara E. A. Ehs
ENGINEER OF DESIGN AND ENVIRONMENT
December 9, 2022
Stephen McGraw
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

1 REVISED SHEET 1/10/2023

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
PROPOSED HIGHWAY PLANS

F.A.I. ROUTE 90 (INTERSTATE 90)
HUBBARD STREET TO SOUTHBOUND (INBOUND) I–94 EDENS EXPY

SECTION: 2020–004–BR
PROJECT: HWY–INF–B–UH3A(902)
BRIDGE DECK OVERLAY, BRIDGE JOINT REPAIR, PATCHING

GRAEF

PETER M. JOHNSTON
062-047647
REGISTERED PROFESSIONAL ENGINEER OF
ILLINOIS

Peter Johnston

PETER JOHNSTON
DATE SIGNED: 9/30/2022
THIS SEAL APPLIES TO DRAWING NUMBERS:
1-88, 110-196, 302-316, 1479-1492
EXPIRATION DATE: 11/30/2023

GRAEF

KEVIN WOOD
081-006515
LICENSED STRUCTURAL ENGINEER OF
ILLINOIS

Kevin Wood

KEVIN WOOD
DATE SIGNED: 10/17/2022
THIS SEAL APPLIES TO DRAWING NUMBERS:
476-617, 666-988, 1030-1399, 1438-1465
EXPIRATION DATE: 11/30/2024
1

GRAEF

SCOTT HINRICHS
081-005750
LICENSED STRUCTURAL ENGINEER OF
ILLINOIS

SCOTT HINRICHS
DATE SIGNED: 9/30/2022
THIS SEAL APPLIES TO DRAWING NUMBERS:
388-406
EXPIRATION DATE: 11/30/2024

HBM

STATE OF ILLINOIS
MOUSSA A. ISSA
081-005738
CHICAGO, ILLINOIS
LICENSED STRUCTURAL ENGINEER

Moussa A. Issa

MOUSSA A. ISSA
DATE SIGNED: 9/26/2022
THIS SEAL APPLIES TO DRAWING NUMBERS:
332-374, 618-665, 989-1020, 1400-1432, 1466-1478
EXPIRATION DATE: 11/30/2024
1

DAMA

LICENSED PROFESSIONAL ENGINEER
BADER A. HAFEEZ
062-054492
STATE OF ILLINOIS

BADER

BADER A. HAFEEZ
DATE SIGNED: 9/28/2022
THIS SEAL APPLIES TO DRAWING NUMBERS:
89-109, 197-213
EXPIRATION DATE: 11/30/2023

ABNA

PROFESSIONAL ENGINEER
JEANNE M. OLUBOGUN
062.072444
STATE OF ILLINOIS

ABNA CORP.
DATE: 9/29/2022
Jeanne Olubogun
JEANNE M. OLUBOGUN
EXPIRES: 11/30/2023
SHEET NO. LOOP REPLACEMENT SHEETS

JEANNE M. OLUBOGUN
DATE SIGNED: 9/29/2022
THIS SEAL APPLIES TO DRAWING NUMBERS:
238-265
EXPIRATION DATE: 11/30/2023

ABNA

STATE OF ILLINOIS
ABDELHAMID HADJRI
NUMBER
062.071763
PROFESSIONAL ENGINEER

ABNA CORP.
DATE: 9-23-2022
Abdelhamid Hadjri
ABDELHAMID HADJRI
EXPIRES: 11-30-2023
SHEETS NO. ITS SHEETS

ABDELHAMID HADJRI
DATE SIGNED: 9/23/2022
THIS SEAL APPLIES TO DRAWING NUMBERS:
266-301
EXPIRATION DATE: 11/30/2023

ABNA

LICENSED STRUCTURAL ENGINEER
STEPHEN E. ALSBURY
081-5261
STATE OF ILLINOIS

ABNA CORP.
DATE: 9/23/2022
STEPHEN ALSBURY
EXPIRES: 11/30/2024
SHEET NO. OHSS SHEETS
1

STEPHEN E. ALSBURY
DATE SIGNED: 9/23/2022
THIS SEAL APPLIES TO DRAWING NUMBERS:
407-438
EXPIRATION DATE: 11/30/2024
1

PARSONS

STATE OF ILLINOIS
HIBA AHMED ABDALLA
081-007634
CHICAGO
IL
LICENSED STRUCTURAL ENGINEER

Hiba Ahmed Abdalla

HIBA AHMED ABDALLA
DATE SIGNED: 9/26/2022
THIS SEAL APPLIES TO DRAWING NUMBERS:
875-938
EXPIRATION DATE: 11/30/2024
1

PARSONS

LICENSED PROFESSIONAL ENGINEER
LISA REBECCA CHRZASC
062.067628
STATE OF ILLINOIS

LISA REBECCA CHRZASC
DATE SIGNED: 9/26/2022
THIS SEAL APPLIES TO DRAWING NUMBERS:
454-475
EXPIRATION DATE: 11/30/2023

HANSON

LICENSED STRUCTURAL ENGINEER
PATRICK M. HANNEMANN
081-007568
STATE OF ILLINOIS

PATRICK M. HANNEMANN
DATE SIGNED: 9/26/2022
THIS SEAL APPLIES TO DRAWING NUMBERS:
617-631
EXPIRATION DATE: 11/30/2024
1

BENESCH

KURT J. NAUS
081-006578
LICENSED STRUCTURAL ENGINEER
STATE OF ILLINOIS

Kurt J. Naus

KURT J. NAUS
DATE SIGNED: 9/26/2022
THIS SEAL APPLIES TO DRAWING NUMBERS:
439-453
EXPIRATION DATE: 11/30/2024
1

1 REVISED SHEET 1/10/2023

MODEL: $MODELNAME$
FILE NAME: $FILEL$

GRAEF
8501 W. Higgins Road Suite 280
Chicago, Illinois 60631 (773) 399-0112

USER NAME = $USER$	DESIGNED - JLA	REVISED - 1 01/06/2023
	DRAWN - NRM	REVISED -
PLOT SCALE = $SCALE$	CHECKED - PMJ	REVISED -
PLOT DATE = $DATE$	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIGNATURE SHEET
SB/REV INTERSTATE 90/94 (KENNEDY EXPY)

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	2020-004-BR	COOK	1492	2
JOB NO.		CONTRACT NO. 62K74		
	ILLINOIS FED. AID PROJECT			

1 REV. 1/10/23

INDEX OF SHEETS

SHEET NUMBER	DRAWING DESCRIPTION
1	Cover Sheet
2	Signature Sheet
3	Index Sheet
4	Key Map
5-6	Corridor Map
7	General Notes
8-29	Summary of Quanitities
30-32	Typical Sections
33-38	Structure Schedule
39-43	Patching Schedule
44-65	Schedules of Quantities
66-72	Construction Details
73-87	Roadway Plan
88	Maintenance of Traffic - General Notes
89-109	Detour Plans
110-112	Suggested Maintenance of Traffic - Typical Sections
113-133	Suggested Maintenance of Traffic - Sign Schedule
134-188	Suggeseted Maintenance of Traffic - Stage Plans
189	Erosion Control General Notes
190-194	Erosion Control Plans
195-196	Drainage Plan
197-213	Pavement Marking Plans
214-228	Landscape Plans
229-237	Lighting Plans
238-301	ITS Plans
302-316	Existing and Proposed OHSS Location Plans
317-331	Overhead Sign Structure Plans - Sign 15
332-349	Overhead Sign Structure Plans - Sign 8, 9
350-374	Overhead Sign Structure Plans - Sign 12, 14 & 16
375-387	Overhead Sign Structure Plans - Sign 7
388-406	Overhead Sign Structure Plans - Sign 1 & 6
407-427	Overhead Sign Structure Plans - Sign 3 & 4
428-438	Overhead Sign Structure Plans - Sign 2
439-453	Overhead Sign Structure Plans - Sign 5
454-475	Overhead Sign Structures - Sign Panel Details and Sign Panel Placement

SHEET NUMBER	DRAWING DESCRIPTION
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504-539	Bridge Plans - SN 016-2551 (REV)
540-560	Bridge Plans - SN 016-0135 (SB)
561-577	Bridge Plans - SN 016-0135 (REV)
578-599	Bridge Plans - SN 016-0134 (SB)
600-617	Bridge Plans - SN 016-0134 (REV)
618-695	Bridge Plans - SN 016-0133 (REV)
696-833	Bridge Plans - SN 016-0133 (SB)
834-857	Bridge Plans - SN 016-0132 (SB)
858-875	Bridge Plans - SN 016-0132 (REV)
876-896	Bridge Plans - SN 016-0131 (SB)
897-914	Bridge Plans - SN 016-0131 (REV)
915-937	Bridge Plans - SN 016-0130 (SB)
938-955	Bridge Plans - SN 016-0130 (REV)
956-973	Bridge Plans - SN 016-0129 (SB)
974-988	Bridge Plans - SN 016-0129 (REV)
989-1012	Bridge Plans - SN 016-0128 (SB)
1013-1029	Bridge Plans - SN 016-0128 (REV)
1030-1040	Bridge Plans - SN 016-2654 (SB)
1041-1046	Bridge Plans - SN 016-2654 (REV)
1047-1069	Bridge Plans - SN 016-0127 (SB)
1070-1085	Bridge Plans - SN 016-0127 (REV)
1086-1104	Bridge Plans - SN 016-1078 (SB)
1105-1121	Bridge Plans - SN 016-1073 (REV)
1122-1139	Bridge Plans - SN 016-0124 (SB)
1140-1154	Bridge Plans - SN 016-1076 (REV)
1155-1173	Bridge Plans - SN 016-0123 (SB)
1174-1189	Bridge Plans - SN 016-0123 (REV)
1190-1218	Bridge Plans - SN 016-0121 (SB)
1219-1243	Bridge Plans - SN 016-0121 (REV)
1244-1267	Bridge Plans - SN 016-0120 (SB)
1268-1282	Bridge Plans - SN 016-0120 (REV)
1283-1300	Bridge Plans - SN 016-0118 (SB)
1301-1314	Bridge Plans - SN 016-0118 (REV)
1315-1333	Bridge Plans - SN 016-0115 (SB)
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1400-1418	Bridge Plans - SN 016-0112 (SB)
1419-1432	Bridge Plans - SN 016-0112 (REV)
1433-1447	Bridge Plans - SN 016-0110 (REV)
1448-1465	Bridge Plans - SN 016-2574 (SB)
1466-1478	Bridge Plans - SN 016-2504 (SB)
1478A-1478G	Bridge Plans - SN 016-0246

SHEET NUMBER	DRAWING DESCRIPTION
1479	Storm Sewer Connection to Existing Sewer (BD-07)
1480	Curb or Curb and Gutter Removal and Replacement (BD-24)
1481	Concrete Barrier Transition, General Details and Concrete Barrier Base (BD-27)
1482	Butt Joint and HMA Taper Details (BD-32)
1483	Entrance and Exit Ramp Closure Details (TC-08)
1484	Traffic Control Details for Freeway Single & Multi-Lane Weave (TC-09)
1485	Typical Applications Raised Reflective Pavement Markers (Snow Plow Resistant) (TC-11)
1486	Multi-Lane Freeway Pavement Marking Details (TC-12A)
1487	Multi-Lane Freeway Pavement Marking Details (TC-12B)
1488	District One Typical Pavement Markings (TC-13)
1489	Traffic Control Details for Freeway Shoulder Closures and Partial Ramp Closures (TC-17)
1490	Freeway/Expressway Signing for Flagging Operations at Work Zone Openings on Freeways/Expressways (TC-18)
1491	Detour Signing for Closing State Highways (TC-21)
1492	Arterial Road Information Signing (TC-22)

1 REVISED SHEET 1/10/2023

GRĀEF
8501 W. Higgins Road; Suite 280
Chicago, Illinois 60631; (773) 399-0112

USER NAME = 1862	DESIGNED - JLA	REVISED - 1 01/06/2023	
	DRAWN - NRM	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - PMJ	REVISED -	
PLOT DATE = 11/21/2022	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS
SB/REV INTERSTATE 90/94 (KENNEDY EXPY)

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	2020-004-BR	COOK	1492	3
JOB NO.		CONTRACT NO. 62K74		
	ILLINOIS FED. AID PROJECT			

1 REV. 1/10/23

MODEL: Default
FILE NAME: X:\OH\2020\20200221-03\Design\Civil\00\D162K74-sht-Index.dgn

GENERAL NOTES

1. BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL DIGGER (CHICAGO UTILITY ALERT NETWORK) AT 1-312-744-700 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE, AND GAS FACILITIES. (48 HOURS NOTIFICATION IS REQUIRED).
2. IDOT FACILITIES ARE NOT LOCATED BY JULIE OR DIGGER. IDOT ELECTRICAL FACILITIES INCLUDING ROADWAY LIGHTING, FIBER OPTIC, ITS EQUIPMENT, TRAFFIC SIGNAL AND PUMP STATION FACILITIES ARE LOCATED BY THE DEPARTMENT'S ELECTRICAL MAINTENANCE CONTRACTOR. AS OF THE LETTING DATE, CONTACT THE MEADE ELECTRIC COMPANY AT 773-287-7672.
3. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES, THE CITY OF CHICAGO, THE CHICAGO TRANSIT AUTHORITY, AND METRA
4. THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
5. ALL DAMAGE TO EXISTING PAVEMENT MARKINGS OR RAISED REFLECTIVE PAVEMENT OUTSIDE THE REMOVAL LINE SHOWN ON THE PLANS SHALL BE PLACED AT NO ADDITIONAL COST TO THE DEPARTMENT.
6. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
7. THE RESIDENT ENGINEER SHALL VERIFY THE LOCATIONS OF ALL EXISTING PAVEMENT MARKINGS, PAVEMENT PATCHING, OR DRAINAGE ADJUSTMENT PRIOR TO MILLING OR RESURFACING.
8. THE RESIDENT ENGINEER SHALL CONTACT THE EXPRESSWAY FIELD ENGINEER AT (847) 705-4153 TWO WEEKS PRIOR TO PLACEMENT OF PERMANENT PAVEMENT MARKINGS.
9. THE RESIDENT ENGINEER SHALL CONTACT THE EXPRESSWAY TRAFFIC CONTROL SUPERVISOR AT (847) 705-4155 A MINIMUM OF 72 HOURS PRIOR TO THE INSTALLATION OF ANY TEMPORARY TRAFFIC CONTROL DEVICES.
10. ALL EXTRA EXCAVATED SOIL SHALL BE PLACED WITHIN IDOT RIGHT-OF-WAY, WITHIN PROJECT LIMITS.
11. PRIOR TO ANY RECONSTRUCTION OR RESURFACING OF THE BRIDGE DECK, A TEAM OF THE CONSULTANT WJE WILL REQUIRE ACCESS TO THE CONTRACTOR WORK ZONE TO TAKE CORES OF THE EXISTING DECK FOR AN INDEPENDENT STUDY WITH IDOT. CONTRACTOR TO COORDINATE ACCESS WITH IDOT/WJE IN ADVANCE. THERE IS NO COST TO THE CONTRACTOR.
12. ALL STAGE CHANGES REQUIRING THE STOPPING AND/OR PACING OF TRAFFIC SHALL TAKE PLACE DURING THE ALLOWABLE HOURS FOR FULL EXPRESSWAY CLOSURES AND SHALL BE APPROVED BY THE DEPARTMENT. THE CONTRACTOR SHALL NOTIFY THE DISTRICT ONE EXPRESSWAY TRAFFIC CONTROL SUPERVISOR AT LEAST 3 WORKING DAYS (WEEKENDS AND HOLIDAYS DO NOT COUNT IN THIS 72 HOUR NOTIFICATION) IN ADVANCE OF ANY PROPOSED STAGE CHANGE.
13. A MAINTENANCE OF TRAFFIC CONTROL PLAN SHALL BE SUBMITTED TO THE DISTRICT ONE EXPRESSWAY TRAFFIC CONTROL SUPERVISOR, 14 DAYS IN ADVANCE OF ANY STAGE CHANGES OR FULL EXPRESSWAY CLOSURES. THE MAINTENANCE OF TRAFFIC PLAN SHALL INCLUDE, BUT NOT LIMITED TO: LANE AND RAMP CLOSURES, EXISTING GEOMETRICS, AND EQUIPMENT AND MATERIAL LOCATION.
14. THE CONTRACTOR SHALL REQUEST AND GAIN APPROVAL FROM THE ILLINOIS DEPARTMENT OF TRANSPORTATION'S EXPRESSWAY TRAFFIC OPERATIONS ENGINEER AT WWW.IDOTLCS.COM TWENTY -FOUR (24) HOURS IN ADVANCE OF ALL DAILY LANE, RAMP, AND SHOULDER CLOSURES AND 7 DAYS IN ADVANCE OF ALL PERMANENT AND WEEKEND CLOSURES ON ALL FREEWAYS AND/OR EXPRESSWAYS IN DISTRICT ONE. THIS ADVANCE NOTIFICATION IS CALCULATED BASED ON A WORK-WEEK OF MONDAY THROUGH FRIDAY AND SHALL NOT INCLUDE WEEKENDS OR HOLIDAYS.

1

15. RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE INSTALLED ON I-90 AS PER STANDARD TC-12 AND SHALL BE INSTALLED AT ANY NECESSARY RAMP INTERSECTIONS WITH CROSS ROADS AS PER STANDARD TC-11.
16. SUSPECTED LUG SYSTEM(S) HAVE BEEN SHOWN FOR REFERENCE. CONTRACTOR SHALL USE EXTRA CARE AND PRECAUTION WHEN REMOVING PAVEMENT TO PATCH NEAR A LUG SYSTEM. REFERENCE 421206-07 FOR THE CURRENT STANDARD. ANY DAMAGE TO THE LUG SYSTEM SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
17. PROPOSED PATCHES ARE SHOWN ON MAINTENANCE OF TRAFFIC PLANS AND THE ROADWAY PLANS.
18. EXTENDED WEEKEND CLOSURES REQUIRED FOR CLASS A PATCHING SHALL BE LIMITED TO 12 WEEKENDS.
19. CONTACT THE IDOT ROADSIDE DEVELOPMENT UNIT AT 847-705-4171 AT LEAST 3 WEEKS PRIOR TO BEGINNING LANDSCAPE AND FORESTRY WORK FOR LAYOUT
20. REFER TO ROADWAY PLANS FOR LOCATIONS OF SUSPECTED LUG SYSTEMS.
21. CTA TRAFFIC PLANNING MUST BE NOTIFIED AT LEAST 2 WEEKS IN ADVANCE OF ANY IMPACTS TO BUS STOPS OR BUS OPERATIONS AT TRAFFIC.PLANNING@TRANSITCHICAGO.COM OR 312-681-4176
22. LONGITUDINAL PARTIAL DEPTH REMOVAL, 2 INCH (X4405020) AND LONGITUDINAL PARTIAL DEPTH PATCHING (X4420900) SHALL BE 3' IN WIDTH. THIS SUPERCEDES THE RECURRING SPECIAL PROVISION'S STATED WIDTH.
23. CONTACT IDOT ROADSIDE DEVELOPMENT UNIT AT 847-705-4147, TO SCHEDULE A FIELD REVIEW TO DETERMINE TREES FOR TREE REMOVAL, STUMP REMOVALS, SELECTIVE CLEARING, AND PRUNING AT LEAST 14 DAYS PRIOR TO COMMENCEMENT OF FORESTRY WORK.

1

GENERAL NOTES (CONTINUED)

24. DURING CONSTRUCTION OPERATIONS, WHENEVER ANY LOOSE MATERIAL IS DEPOSITED IN THE FLOW LINE OF DRAINAGE STRUCTURES SUCH THAT THE NATURAL FLOW OF WATER IS OBSTRUCTED, IT SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. AT THE CONCLUSION OF CONSTRUCTION OPERATIONS, ALL UTILITY STRUCTURES SHALL BE CLEANED AND FREE FROM DIRT AND DEBRIS. THE WORK SPECIFIED ABOVE WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCIDENTAL TO THE CONTRACT.
25. THE CONTRACTOR SHALL TAKE EXTRA CARE IN GRADING AND EXCAVATING NEAR TREES WHICH ARE NOT MARKED FOR REMOVAL SO AS NOT TO CAUSE INJURY TO THE ROOT SYSTEM OR TRUNKS. ANY DAMAGE DONE TO EXISTING ITEMS BY THE CONTRACTOR SHALL BE REPAIRED BY THE CONTRACTOR AT THE CONTRACTOR'S OWN EXPENSE.
26. USE #8 EPOXY-COATED TIE BARS, CONFORMING TO ART. 1006.10 OF THE STANDARD SPECIFICATIONS, FOR ALL TIE BARS. USE THE "LONGITUDINAL CONSTRUCTION JOINT (TIE BAR GROUTED IN PLACE)" DETAIL SHOWN ON HIGH STANDARD 420001 FOR ALL LONGITUDINAL JOINTS.
27. THE CONTRACTOR SHALL SUBMIT A DEEP EXCAVATION EXISTING FACILITY (DEEFP) PERMIT APPLICATION TO THE CITY OF CHICAGO OFFICE OF UNDERGROUND COORDINATION (OUC).
28. THE CONTRACTOR SHALL OPTAIN A PERMIT BEFORE STARTING ANY WORK WITHIN THE CHICAGO PARK DISTRICT'S PROPERTY LIMITS. CONTACT CLAUDINE MALIK, PROJECT MANAGER, AT CLAUDINE.MALIK@CHICAGOPARKDISTRICT.COM FOR PERMIT REQUIREMENTS.
29. STATIONS CALLED OUT ON THE PLANS PERTAIN TO THE ALIGNMENT IN WHICH THE WORK IS LOCATED. FOR EXAMPLE, IF BARRIER IS IN THE SOUTHBOUND LANES, THE STATIONING REFERS TO THE SOUTHBOUND ALIGNMENT.
30. SOUTHBOUND, INBOUND, AND EASTBOUND REFER TO THE SAME TRAFFIC LANES. NORTHBOUND, OUTBOUND, AND WESTBOUND REFER TO THE SAME TRAFFIC LANES.
31. CONTRACTOR SHALL SUBMIT PROCESS PLANS, CONSTRUCTION PHASING PLANS, AND ADDITIONAL CONSTRUCTION DETAILED DRAWINGS FOR CTA REVIEW AND APPROVAL PRIOR TO THE COMMENCEMENT OF ANY WORK ACTIVITIES. CONTRACTOR SHALL BE REQUIRED TO ATTEND WEEKLY RAIL OPS MEETINGS TO DISCUSS WORK SCHEDULE, FLAGGING SERVICE, OR SINGLE TRACK AS NEEDED. THE CTA BLUE LINE OPERATES EVERY DAY OF THE YEAR, 24 HOURS PER DAY. ANY MODIFICATIONS TO OVERHEAD SIGN STRUCTURE PLANS MUST BE DISCUSSED AND COORDINATED WITH CTA RAIL OPERATIONS AND ENGINEERING DEPARTMENTS.
32. EXISTING CROWN CASTLE FACILITIES IN THE AREA; USE EXTREME CAUTION. HAND TRENCH WITHIN 3' OF CROWN CASTLE FACILITIES TO VISUALLY LOCATE, AND A MINIMUM OF 12" CLEARANCE (VERTICAL & HORIZONTAL) FROM EXISTING CROWN CASTLE FACILITIES IS REQUIRED. CONTACT DIGGER FOR LOCATES A MINIMUM OF 48 HOURS BEFORE BEGINNING CONSTRUCTION.
33. EXCAVATIONS PROHIBITED WITHIN 50 FEET OF NATURAL GAS TRANSMISSION PIPELINES / HP GAS MAINS UNLESS A REPRESENTATIVE OF THE PIPELINE IS NOTIFIED.

    PEOPLES GAS HIGH PRESSURE GAS MAIN IS PRESENT WITHIN AREA OF CONSTRUCTION. USE EXTREME CAUTION NEAR ALL GAS FACILITIES. HAND EXCAVATION IS REQUIRED TO LOCATE AND EXPOSE GAS MAINS PRIOR TO CROSSING AND WORKING WITHIN 5 FEET OF GALL GAS FACILITIES. A MINIMUM OF 5' HORIZONTAL EDGE TO EDGE CLEARANCE AND 24" VERTICAL EDGE TO EDGE CLEARANCE IS REQUIRED FOR HIGH PRESSURE GAS MAINS. CONTRACTOR SHALL NOTIFY CENTRAL-SHOP-OUC@PEOPLESGASDELIVERY.COM AND NORTH-SHOP-OUC@PEOPLESGASDELIVERY.COM. A MINIMUM OF 5 BUSINESS DAYS PRIOR TO EXCAVATION TO SET UP ON SIDE INSPECTION. PEOPLES GAS TO BE ON SITE TO MONITOR CONSTRUCTION ACTIVITES WHEN WITHIN 5 FEET AND WHENEVER CROSSING HIGH PRESSURE GAS FACILITIES. PIPELINE MARKERS SHALL BE MAINTAINED.

1

STATE STANDARDS

000001-08	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
001006	DECIMAL OF AN INCH AND OF A FOOT
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
420001-10	PAVEMENT JOINTS
420701-03	PAVEMENT WELDED WIRE REINFORCEMENT
421001-03	BAR REINFORCEMENT FOR CRC PAVEMENT
421206-07	36' (10.8 m) CRC PAVEMENT (WITH LUG SYSTEM)
442201-03	CLASS A PATCHES
442101-09	CLASS B PATCHES
483001-06	PCC SHOULDER
542601-03	REINFORCED CONCRETE PIPE ELBOW 24", 30" OR 36" (600 MM, 750 MM OR 900 MM)
604001-05	FRAME AND GRATE, TYPE 1
604016-04	FRAME AND GRATE, TYPE 4
604071-07	FRAME AND GRATE, TYPE 20
604091-05	FRAME AND GRATE, TYPE 24
606001-08	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
637006-05	CONCRETE BARRIER, DOUBLE FACE, 44 IN HEIGHT
643001-02	SAND MODULE IMPACT ATTENUATORS
664001-02	CHAIN LINK FENCE
701201-05	LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS > 45 MPH
701206-05	LANE CLOSURE, 2L, 2W, NIGHT ONLY, FOR SPEEDS > 45 MPH
701400-11	APPROACH TO LANE CLOSURE, FREEWAY/EXPRESSWAY
701401-13	LANE CLOSURE, FREEWAY/EXPRESSWAY
701402-12	LANE CLOSURE, FREEWAY/EXPRESSWAY, WITH BARRIER
701411-09	LANE CLOSURE, MULTILANE, AT ENTRANCE OR EXIT RAMP, FOR SPEEDS > 45 MPH
701428-01	TRAFFIC CONTROL SETUP AND REMOVAL FREEWAY/EXPRESSWAY
701446-11	TWO LANE CLOSURE FREEWAY/EXPRESSWAY
701451-05	RAMP CLOSURE FREEWAY/EXPRESSWAY
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701601-09	URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NON-TRAVERSABLE MEDIAN
701606-10	URBAN SINGLE LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
701611-01	URBAN HALF ROAD CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-08	TRAFFIC CONTROL DEVICES
704001-08	TEMPORARY CONCRETE BARRIER
780001-05	TYPICAL PAVEMENT MARKINGS
781001-04	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
782006-01	GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS

1 REVISED SHEET 1/10/2023

MODEL: $MODELNAME$
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USER NAME = $USER$	DESIGNED - JLA	REVISED - 1 01/06/2023
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PLOT SCALE = $SCALE$	CHECKED - PMJ	REVISED -
PLOT DATE = $DATE$	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES
SB/REV INTERSTATE 90/94 (KENNEDY EXPY)
SCALE: | SHEET OF SHEETS | STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	2020-004-BR	COOK	1492	7
JOB NO.		CONTRACT NO. 62K74		
ILLINOIS FED. AID PROJECT				

1 REV. 1/10/23

					CONSTRUCTION CODE						
					90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	100% STATE	100% STATE
					ROADWAY	BRIDGE	BRIDGE	SIGN STRUCTURES	HIGHWAY LIGHTING	ROADWAY	PATCHING
	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	0005	0047	0047	0044	0021	0005	0006
					NHPP	NHPP	HIBR	NHPP	NHPP		
				URBAN							
*	20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	116	116						
*	20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	80	80						
*	20101300	TREE PRUNING (1 TO 10 INCH DIAMETER)	EACH	10	10						
*	20101350	TREE PRUNING (OVER 10 INCH DIAMETER)	EACH	33	33						
	20200100	EARTH EXCAVATION	CU YD	72 ~~10~~	72 ~~10~~						
				131			130	1			
	20700220	POROUS GRANULAR EMBANKMENT	CU YD	~~130.9~~		1	~~129.9~~				
	20800150	TRENCH BACKFILL	CU YD	38	38						
*	21101605	TOPSOIL FURNISH AND PLACE, 2"	SQ YD	14839	14839						
	21101625	TOPSOIL FURNISH AND PLACE, 6"	SQ YD	15785	15785						
*	25000210	SEEDING, CLASS 2A	ACRE	3.1	3.1						
*	25100630	EROSION CONTROL BLANKET	SQ YD	15785	15785						
*	25200200	SUPPLEMENTAL WATERING	UNIT	180				180			
	28000400	PERIMETER EROSION BARRIER	FOOT	385	385						
	28000510	INLET FILTERS	EACH	500	500						

*SPECIALTY ITEMS

1 REVISED SHEET 1/10/2023

MODEL: Default
FILE NAME: X:\Dhk2020\2020022-03\Design\Civil\000162K74-sht-500.dgn

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Chicago, Illinois 60631; (773) 399-0112

USER NAME = 2080	DESIGNED - JLA	REVISED -
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
SB/REV INTERSTATE 90/94 (KENNEDY EXPY)

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	2020-004-BR	COOK	1492	8
JOB NO.		CONTRACT NO. 62K74		
	ILLINOIS	FED. AID PROJECT		

				CONSTRUCTION CODE						
				90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	100% STATE	100% STATE
				ROADWAY	BRIDGE	BRIDGE	SIGN STRUCTURES	HIGHWAY LIGHTING	ROADWAY	PATCHING
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	0005	0047	0047	0044	0021	0005	0006
				NHPP	NHPP	HIBR	NHPP	NHPP		
			URBAN							
44213200	SAW CUTS	FOOT	33911							33911
44213202	TIE BARS 1"	EACH	5948							5948
45200100	JOINT OR CRACK ROUTING (PC CONCRETE PAVEMENT AND SHOULDER)	FOOT	25600							25600
45200300	JOINT OR CRACK FILLING	POUND	76800							76800
48100300	AGGREGATE SHOULDERS, TYPE A 4"	SQ YD	107	107						
50102400	CONCRETE REMOVAL	CU YD	~~1690~~ 1690.4		283.9	~~1399~~ 1399.4	7.1			
50104650	SLOPE WALL REMOVAL	SQ YD	~~132.3~~ 132		1	~~131.3~~ 131	1			
50157300	PROTECTIVE SHIELD	SQ YD	~~45409.2~~ 45409		~~7707.6~~ 7708	~~37701.6~~ 37701				
50200100	STRUCTURE EXCAVATION	CU YD	146				146			
50300255	CONCRETE SUPERSTRUCTURE	CU YD	1865		323.2	1541.8				
50300300	PROTECTIVE COAT	SQ YD	~~100917.1~~ 100917		13920	~~86997.1~~ 86997	1			
50400805	FURNISHING AND ERECTING PRECAST PRESTRESSED CONCRETE I BEAMS, 36 IN.	FOOT	113			113				
50401005	FURNISHING AND ERECTING PRECAST PRESTRESSED CONCRETE I BEAMS, 48 IN.	FOOT	1778			1778				
50500405	FURNISHING AND ERECTING STRUCTURAL STEEL	POUND	18080		1970	16110				

*SPECIALTY ITEMS

1 REVISED SHEET 1/10/2023

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
SB/REV INTERSTATE 90/94 (KENNEDY EXPY)

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	2020-004-BR	COOK	1492	11
JOB NO.		CONTRACT NO. 62K74		
	ILLINOIS FED. AID PROJECT			

MODEL: Default
FILE NAME: X:\DHs2020\20200223\d93\Design\Civil\000\162K74-sht-SOQ.dgn

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE: 90% FEDERAL 10% STATE ROADWAY 0005 NHPP	90% FEDERAL 10% STATE BRIDGE 0047 NHPP	90% FEDERAL 10% STATE BRIDGE 0047 HIBR	90% FEDERAL 10% STATE SIGN STRUCTURES 0044 NHPP	90% FEDERAL 10% STATE HIGHWAY LIGHTING 0021 NHPP	100% STATE ROADWAY 0005	100% STATE PATCHING 0006
50800105	REINFORCEMENT BARS	POUND	130	130						
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	277050		44070	232980				
50800515	BAR SPLICERS	EACH	792		212	580				
50800530	MECHANICAL SPLICERS	EACH	6252			6252				
51100100	SLOPE WALL 4 INCH	SQ YD	132 ~~132.3~~		1	131 ~~131.3~~	1			
52000005	PREFORMED JOINT SEAL 1"	FOOT	645		14	631				
52000030	PREFORMED JOINT SEAL 2 1/2"	FOOT	5476 ~~3967~~			5476 ~~3967~~	1			
52000110	PREFORMED JOINT STRIP SEAL	FOOT	8926		1407	7519				
52100010	ELASTOMERIC BEARING ASSEMBLY, TYPE I	EACH	30			30				
52100520	ANCHOR BOLTS, 1"	EACH	140			140				
52200020	TEMPORARY SOIL RETENTION SYSTEM	SQ FT	558				558			
54210188	PIPE ELBOW, 27"	EACH	4	4						
54248510	CONCRETE COLLAR	CU YD	2	2						
550A0420	STORM SEWERS, CLASS A, TYPE 2 27"	FOOT	34	34						

*SPECIALTY ITEMS

1 REVISED SHEET 1/10/2023

MODEL: Default
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
SB/REV INTERSTATE 90/94 (KENNEDY EXPY)

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	2020-004-BR	COOK	1492	12
JOB NO.		CONTRACT NO. 62K74		
	ILLINOIS	FED. AID PROJECT		

				CONSTRUCTION CODE						
				90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	100% STATE	100% STATE
				ROADWAY	BRIDGE	BRIDGE	SIGN STRUCTURES	HIGHWAY LIGHTING	ROADWAY	PATCHING
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	0005	0047	0047	0044	0021	0005	0006
				NHPP	NHPP	HIBR	NHPP	NHPP		
			URBAN							
55101300	STORM SEWER REMOVAL 27"	FOOT	34	34						
			44398			37119				
58700300	CONCRETE SEALER	SQ FT	~~44306~~		7279	~~37027~~	1			
59000200	EPOXY CRACK INJECTION	FOOT	933		266	667				
60250200	CATCH BASINS TO BE ADJUSTED	EACH	2	2						
60255500	MANHOLES TO BE ADJUSTED	EACH	9	9						
60402615	GRATES, TYPE 20	EACH	10	10						
60402640	GRATES, TYPE 24	EACH	10	10						
60403800	LIDS, TYPE 1, CLOSED LID	EACH	5	5						
60608582	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-4.24	FOOT	1000	1000						
63700380	CONCRETE BARRIER, VARIABLE CROSS SECTION 44 INCH HEIGHT	FOOT	166	166						
63700805	CONCRETE BARRIER TRANSITION	FOOT	444				444			
64300260	IMPACT ATTENUATORS (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	1	1						
			521				521			
* 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	~~459~~				~~459~~	1		
* 66900530	SOIL DISPOSAL ANALYSIS	EACH	2				2			

*SPECIALTY ITEMS

1 REVISED SHEET 1/10/2023

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
SB/REV INTERSTATE 90/94 (KENNEDY EXPY)

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	2020-004-BR	COOK	1492	13
JOB NO.		CONTRACT NO. 62K74		
	ILLINOIS FED. AID PROJECT			

	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE: 90% FEDERAL 10% STATE ROADWAY 0005 NHPP	90% FEDERAL 10% STATE BRIDGE 0047 NHPP	90% FEDERAL 10% STATE BRIDGE 0047 HIBR	90% FEDERAL 10% STATE SIGN STRUCTURES 0044 NHPP	90% FEDERAL 10% STATE HIGHWAY LIGHTING 0021 NHPP	100% STATE ROADWAY 0005	100% STATE PATCHING 0006
				URBAN							
	70600330	IMPACT ATTENUATORS, RELOCATE (FULLY REDIRECTIVE), TEST LEVEL 3	EACH	25	25						
*	72000300	SIGN PANEL - TYPE 3	SQ FT	4354				4354			
*	72400330	REMOVE SIGN PANEL - TYPE 3	SQ FT	4374				4374			
*	73300100	OVERHEAD SIGN STRUCTURE - SPAN, TYPE I-A (4'-0" X 4'-6")	FOOT	426				426			
				212				212			
*	73300200	OVERHEAD SIGN STRUCTURE - SPAN, TYPE II-A (4'-6" X 5'-3")	FOOT	~~211~~				~~211~~	1		
*	73300300	OVERHEAD SIGN STRUCTURE - SPAN, TYPE III-A (5'-0" X 7'-0")	FOOT	348				348			
*	73301810	OVERHEAD SIGN STRUCTURE WALKWAY, TYPE A	FOOT	199				199			
*	73302110	OVERHEAD SIGN STRUCTURE - CANTILEVER, TYPE I-C-A (24" X 4'-6")	FOOT	23				23			
	73400100	CONCRETE FOUNDATIONS	CU YD	39				39			
	73400200	DRILLED SHAFT CONCRETE FOUNDATIONS	CU YD	451				451			
*	73600100	REMOVE OVERHEAD SIGN STRUCTURE - SPAN	EACH	12				12			
*	73600200	REMOVE OVERHEAD SIGN STRUCTURE - CANTILEVER	EACH	1				1			
*	78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	25400	25400						
*	78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	6200	6200						
*	78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	2450	2450						

*SPECIALTY ITEMS

1 REVISED SHEET 1/10/2023

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

12
SUMMARY OF QUANTITIES
SB/REV INTERSTATE 90/94 (KENNEDY EXPY)

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	2020-004-BR	COOK	1492	15
JOB NO.		CONTRACT NO. 62K74		
	ILLINOIS FED. AID PROJECT			

MODEL: Default
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					CONSTRUCTION CODE						
					90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	100% STATE	100% STATE
					ROADWAY	BRIDGE	BRIDGE	SIGN STRUCTURES	HIGHWAY LIGHTING	ROADWAY	PATCHING
	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	0005	0047	0047	0044	0021	0005	0006
					NHPP	NHPP	HIBR	NHPP	NHPP		
				URBAN							
*	D2002084	EVERGREEN, PICEA OMORIKA (SERBIAN SPRUCE), 7' HEIGHT, BALLED AND BURLAPPED	EACH	50	50						
*	D2002088	EVERGREEN, PICEA OMORIKA (SERBIAN SPRUCE), 8' HEIGHT, BALLED AND BURLAPPED	EACH	30	30						
*	D2002372	EVERGREEN, PINUS FLEXILIS (LIMBER PINE), 6' HEIGHT, BALLED AND BURLAPPED	EACH	70	70						
*	D2002384	EVERGREEN, PINUS FLEXILIS (LIMBER PINE), 7' HEIGHT, BALLED AND BURLAPPED	EACH	55	55						
*	D2002388	EVERGREEN, PINUS FLEXILIS (LIMBER PINE), 8' HEIGHT, BALLED AND BURLAPPED	EACH	35	35						
*	D2002472	EVERGREEN, PINUS FLEXILIS VANDERWOLF'S PYRAMID (VANDERWOLF'S PYRAMID LIMBER PINE), 6' HEIGHT, BALLED AND BURLAPPED	EACH	50	50						
*	D2002484	EVERGREEN, PINUS FLEXILIS VANDERWOLF'S PYRAMID (VANDERWOLF'S PYRAMID LIMBER PINE), 7' HEIGHT, BALLED AND BURLAPPED	EACH	25	25						
*	D2002488	EVERGREEN, PINUS FLEXILIS VANDERWOLF'S PYRAMID (VANDERWOLF'S PYRAMID LIMBER PINE), 8' HEIGHT, BALLED AND BURLAPPED	EACH	30	30						
*	K0029629	WEED CONTROL, BROADLEAF IN TURF	POUND	2	2						
*	K0029634	WEED CONTROL, PRE-EMERGENT GRANULAR HERBICIDE	POUND	113	113						
*	K0036120	MULCH PLACEMENT 4"	SQ YD	102	102						
	X0321309	CONCRETE PAD	SQ YD	20	20						
	X0323491	SLOPE WALL CRACK SEALING	FOOT	2088		220	1868				
	X0328013	PROTECTIVE NETTING	SQ YD	3830			3830	1			

*SPECIALTY ITEMS

1 REVISED SHEET 1/10/2023

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
SB/REV INTERSTATE 90/94 (KENNEDY EXPY)

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	2020-004-BR	COOK	1492	22
JOB NO.		CONTRACT NO. 62K74		
	ILLINOIS FED. AID PROJECT			

					CONSTRUCTION CODE						
					90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	100% STATE	100% STATE
					ROADWAY	BRIDGE	BRIDGE	SIGN STRUCTURES	HIGHWAY LIGHTING	ROADWAY	PATCHING
	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	0005	0047	0047	0044	0021	0005	0006
					NHPP	NHPP	HIBR	NHPP	NHPP		
				URBAN							
*	X0323914	FIBER OPTIC CABLE SPLICE - LATERAL	EACH	6	6						
*	X0325222	WEED CONTROL, BASAL TREATMENT	GALLON	2.5	2.5						
				2270			2270				
	X0325748	ACRYLIC COATING	SQ YD	~~2221~~			~~2221~~				
				20334			20334	1			
	X0325749	FIBER WRAP	SQ FT	~~19896~~			~~19896~~				
*	X0326952	STEP-DOWN TRANSFORMER	EACH	2	2						
						0.15	0.85				
	X0327577	PROTECT AND MAINTAIN EXISTING UNDERPASS LUMINAIRE	L SUM	1		~~0.2~~	~~0.8~~	1			
*	X0327605	DYNAMIC MESSAGE SIGN REMOVAL AND INSTALLATION	L SUM	1	1						
	X0327773	ACCESS DOOR	EACH	2			2				
*	X0327999	ANTI-GRAFFITI COATING	SQ FT	33338	33338						
	X0900022	BRIDGE DRAINAGE SYSTEM REPAIR	FOOT	72			72				
*	X1400155	REMOVAL OF FIBER OPTIC CABLE	FOOT	33990	33990						
*	X1400217	TERMINATE FIBER IN CABINET	EACH	60	60						
*	X1400459	DYNAMIC MESSAGE SIGN REMOVAL - IDOT	EACH	3	3						
	X1700011	STAMPED COLORED PORTLAND CEMENT CONCRETE MEDIAN SURFACE 4 INCH	SQ FT	500	500						

*SPECIALTY ITEMS

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
SB/REV INTERSTATE 90/94 (KENNEDY EXPY)

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	2020-004-BR	COOK	1492	23
JOB NO.		CONTRACT NO. 62K74		
	ILLINOIS FED. AID PROJECT			

MODEL: Default
FILE NAME: X:\Oh\2020\20200221-03\Design\Civil\800\162K74-PH-SOO.dgn

					CONSTRUCTION CODE						
					90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	100% STATE	100% STATE
					ROADWAY	BRIDGE	BRIDGE	SIGN STRUCTURES	HIGHWAY LIGHTING	ROADWAY	PATCHING
	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	0005	0047	0047	0044	0021	0005	0006
					NHPP	NHPP	HIBR	NHPP	NHPP		
				URBAN							
*	X1800011	TREE, AESCULUS CARNEA FORT MCNAIR (FORT MCNAIR BUCKEYE), 2" CAPLIPER, BALLED AND BURLAPED	EACH	10	10						
*	X1800013	TREE, GLEDITSIA TRIACANTHOS VAR. INERMIS DRAVES (STREET KEEPER HONEYLOCUST), 2" CALIPER, BALLED AND	EACH	20	20						
*	X2010100	TREE LIMB REMOVAL (4 TO 10 INCHES DIAMETER)	EACH	5	5						
*	X2010200	TREE LIMB REMOVAL (OVER 10 INCHES DIAMETER)	EACH	1	1						
*	X2010310	TREE REMOVAL (SPECIAL)	UNIT	40	40						
*	X2010350	TREE REMOVAL, ACRES (SPECIAL)	ACRE	3	3						
*	X2010400	STUMP REMOVAL ONLY	UNIT	5	5						
*	X2100002	PRUNING FOR SAFETY AND EQUIPMENT CLEARANCE	UNIT	7	7						
*	X2503110	MOWING (SPECIAL)	ACRE	4	4						
*	X2600028	DYNAMIC MESSAGE SIGN, WALK-IN ACCESS, FULL MATRIX, COLOR, NTCIP 1203	EACH	3	3						
	X2700001	TEMPORARY RUMBLE STRIPS (SPECIAL)	EACH	45	45						
	X4405020	LONGITUDINAL PARTIAL DEPTH REMOVAL 2"	FOOT	9875	9875						
	X4420900	LONGITUDINAL PARTIAL DEPTH PATCHING	TON	367							367
				56737			49562				
	X5030250	BRIDGE DECK GROOVING (LONGITUDINAL)	SQ YD	~~56736.7~~		7175	~~49561.7~~	1			
	X5060700	CLEANING AND PAINTING BEARINGS	EACH	788			788				

*SPECIALTY ITEMS

1 REVISED SHEET 1/10/2023

MODEL: Default
FILE NAME: X:\DHA\2020\20200221-I-93\Design\CivilD\00D162K74-sht-SQQ.dgn

GRAEF
8501 W. Higgins Road, Suite 280
Chicago, Illinois 60631; (773) 399-0112

USER NAME = 2080	DESIGNED - JLA	REVISED -
	DRAWN - NRM	REVISED -
PLOT SCALE = 2.0000 ' / in.	CHECKED - PMJ	REVISED -
PLOT DATE = 11/30/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
SB/REV INTERSTATE 90/94 (KENNEDY EXPY)

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	2020-004-BR	COOK	1492	24
JOB NO.		CONTRACT NO. 62K74		
	ILLINOIS FED. AID PROJECT			

	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE: 90% FEDERAL 10% STATE ROADWAY 0005 NHPP	90% FEDERAL 10% STATE BRIDGE 0047 NHPP	90% FEDERAL 10% STATE BRIDGE 0047 HIBR	90% FEDERAL 10% STATE SIGN STRUCTURES 0044 NHPP	90% FEDERAL 10% STATE HIGHWAY LIGHTING 0021 NHPP	100% STATE ROADWAY 0005	100% STATE PATCHING 0006	
				URBAN								
*	X8710036	FIBER OPTIC CABLE 12 FIBERS, SINGLE MODE	FOOT	1500	1500							
*	X8730312	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 18 4/C, TWISTED, SHIELDED	FOOT	6882	6882							
*	X8780107	CONCRETE FOUNDATION (SPECIAL)	FOOT	9	9							
*	X8850109	PREFORMED INDUCTION LOOP	FOOT	2179	2179							
	Z0001700	APPROACH SLAB REPAIR (FULL DEPTH)	SQ YD	162	162							
	Z0001903	STRUCTURAL STEEL REMOVAL	POUND	17910		1970	15940					
	Z0001905	STRUCTURAL STEEL REPAIR	POUND	20			20					
	Z0003615	REMOVAL OF EXISTING CONCRETE I-BEAM	EACH	30			30					
	Z0003802	REMOVAL OF EXISTING BEARINGS	EACH	60			60					
	Z0006018	BRIDGE DECK LATEX CONCRETE OVERLAY, 3 INCHES	SQ YD	82852 ~~82852.4~~		11490	71362 ~~71362.4~~					
	~~Z0007101~~	~~CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES NO. 1~~	~~L SUM~~	~~1~~			~~1~~	1				
	~~Z0010501~~	~~CLEANING AND PAINTING STEEL BRIDGE NO. 1~~	~~L SUM~~	~~1~~			~~1~~					
	Z0010605	CLEANING DRAINAGE SYSTEM	L SUM	1		0.05 ~~0.1~~	0.95 ~~0.9~~					
	Z0010617	SUPPLEMENTAL SWEEPING	MILE	8	8							
	Z0012130	BRIDGE DECK SCARIFICATION 3/4"	SQ YD	82852 ~~82852.5~~		11490	71362 ~~71362.5~~	1				
	Z0012754	STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5 INCHES)	SQ FT	11815		1588	10227					

*SPECIALTY ITEMS

1 REVISED SHEET 1/10/2023

MODEL: Default
FILE NAME: X:\OH\2020\20202221-03\Design\Civil\00\D162K74-sht-500.dgn

GRāEF
8501 W. Higgins Road Suite 280
Chicago, Illinois 60631 (773) 399-0112

USER NAME = 2080	DESIGNED - JLA	REVISED -
	DRAWN - NRM	REVISED -
PLOT SCALE = 2.0000 ' / in.	CHECKED - PMJ	REVISED -
PLOT DATE = 11/30/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
SB/REV INTERSTATE 90/94 (KENNEDY EXPY)

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	2020-004-BR	COOK	1492	26
JOB NO.		CONTRACT NO. 62K74		
	ILLINOIS FED. AID PROJECT			

					CONSTRUCTION CODE						
				90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	100% STATE	100% STATE
				ROADWAY	BRIDGE	BRIDGE	SIGN STRUCTURES	HIGHWAY LIGHTING	ROADWAY	PATCHING
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	0005	0047	0047	0044	0021	0005	0006
				NHPP	NHPP	HIBR	NHPP	NHPP		
			URBAN							
Z0012755	STRUCTURAL REPAIR OF CONCRETE (DEPTH GREATER THAN 5 INCHES)	SQ FT	1418		995	423				
Z0013798	CONSTRUCTION LAYOUT	L SUM	1		1					
Z0015500	DEBRIS REMOVAL	L SUM	1			1				
Z0016001	DECK SLAB REPAIR (FULL DEPTH, TYPE I)	SQ YD	24.7		2.1	22.6				
Z0016002	DECK SLAB REPAIR (FULL DEPTH, TYPE II)	SQ YD	655.1		279.4	375.7				
Z0018051	DRAINAGE SCUPPERS TO BE ADJUSTED	EACH	69		1	68				
Z0018500	DRAINAGE STRUCTURES TO BE CLEANED	EACH	150						150	
Z0029090	DIAMOND GRINDING (BRIDGE SECTION)	SQ YD	84773 ~~84773.5~~		11839	72934 ~~72934.5~~	1			
Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	4000	4000						
Z0033028	MAINTENANCE OF LIGHTING SYSTEM	CAL MO	269		42	222		5		
Z0043800	PRECAST PRESTRESSED CONCRETE I-BEAM REPAIR	SQ FT	802			802				
Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1			1				
Z0055905	TEMPORARY CONSTRUCTION FENCE	FOOT	6052 ~~6051.6~~		967	5085 ~~5084.6~~	1			
* Z0064800	SELECTIVE CLEARING	UNIT	78	78						
Z0073200	TEMPORARY SHORING AND CRIBBING	EACH	60 ~~61~~		23	37 ~~38~~	1			

*SPECIALTY ITEMS

1 REVISED SHEET 1/10/2023

MODEL: Default
FILE NAME: X:\GHA\2020\2020220\2020221-03\Design\Civil\800\D162K74-sht-SOQ.dgn

GRāEF
8501 W. Higgins Road, Suite 280
Chicago, Illinois 60631 (773) 399-0112

USER NAME = 2080	DESIGNED - JLA	REVISED -
	DRAWN - NRM	REVISED -
PLOT SCALE = 2.0000 ' / in.	CHECKED - PMJ	REVISED -
PLOT DATE = 11/30/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
SB/REV INTERSTATE 90/94 (KENNEDY EXPY)

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	2020-004-BR	COOK	1492	27
JOB NO.		CONTRACT NO. 62K74		
	ILLINOIS	FED. AID PROJECT		

	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE: 90% FEDERAL 10% STATE ROADWAY 0005 NHPP	90% FEDERAL 10% STATE BRIDGE 0047 NHPP	90% FEDERAL 10% STATE BRIDGE 0047 HIBR	90% FEDERAL 10% STATE SIGN STRUCTURES 0044 NHPP	90% FEDERAL 10% STATE HIGHWAY LIGHTING 0021 NHPP	100% STATE ROADWAY 0005	100% STATE PATCHING 0006
*	B2006135	TREE, SYRINGA PEKINENSIS 'WFH2' (GREAT WALL CHINESE TREE LILAC), 2" CALIPER, BALLED AND BURLAPPED	EACH	22	22						
*	78004635	PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - LINE 7", CONTRAST	FOOT	3996	3996						
*	78004640	PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - LINE 8", CONTRAST	FOOT	42131	42131						
*	X2300054	REVLAC CONTROL SYSTEM TESTING	L SUM	1		1					
*	X8420103	REMOVAL OF LUMINAIRE, NO SALVAGE, UNDERPASS	EACH	10					10		
*	X8211035	LUMINAIRE, LED, UNDERPASS, REPLACEMENT, SUSPENDED, OUTPUT DESIGNATION E	EACH	10					10		
	X0328023	REMOVAL OF EXISTING PROTECTIVE NETTING	SQ YD	3830			3830	1			

*SPECIALTY ITEMS

1 REVISED SHEET 1/10/2023

MODEL: Default
FILE NAME: X:\OH\2020\20200221-03\Design\Civil\00D162K74-sht-SOQ.dgn

GRĀEF
8501 W. Higgins Road Suite 280
Chicago, Illinois 60631 (773) 399-0112

USER NAME = 2080	DESIGNED - JLA	REVISED -
	DRAWN - NRM	REVISED -
PLOT SCALE = 2.0000 ' / in.	CHECKED - PMJ	REVISED -
PLOT DATE = 12/2/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
SB/REV INTERSTATE 90/94 (KENNEDY EXPY)

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	2020-004-BR	COOK	1492	29
JOB NO.		CONTRACT NO. 62K74		
	ILLINOIS FED. AID PROJECT			

REV-SEP

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	STRUCTURE NUMBER										
				SN 016-0204	SN 016-2551	SN 016-0135			SN 016-0134			SN 016-0133		
						SB	REV	Total	SB	REV	Total	SB	REV	Total
20700220	POROUS GRANULAR EMBANKMENT	CY YD	131					0	41.0	11.0	52	6.0	0.4	6
50102400	CONCRETE REMOVAL	CU YD	1683	31	47	28	11	40	28	13	41	343	35	378
50104650	SLOPE WALL REMOVAL	SQ YD	132					0	41.0	11.0	52	6.0	1.2	7
50157300	PROTECTIVE SHIELD	SQ YD	45409	976.0	2,447.6	860.4	424.0	1284	662.6	347.0	1010	3,070.3	1,494.0	4564
50300255	CONCRETE SUPERSTRUCTURE	CU YD	1865	38.5	54.2	30.9	12.9	44	30.9	12.9	44	359.3	42.4	402
50300300	PROTECTIVE COAT	SQ YD	100917	1,582.0	5,037.1	2,142.0	1,165.0	3307	1,790.0	968.0	2758	16,380.0	7,325.0	23705
50400805	FURNISHING AND ERECTING PRECAST PRESTRESSED CONCRETE I-BEAMS, 36 IN.	FOOT	117					0			0	117		117
50401005	FURNISHING AND ERECTING PRECAST PRESTRESSED CONCRETE I-BEAMS, 48 IN.	FOOT	1778					0			0	1,778		1778
50500405	FURNISHING AND ERECTING STRUCTURAL STEEL	POUND	18080	1,970		230	760	990	2,880	1,810	4690	0		0
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	278060	5390	7270	4710	1360	6070	4720	2260	6980	75710	10000	85710
50800515	BAR SPLICERS	EACH	778	72		36		36	32		32	76		76
50800530	MECHANICAL SPLICERS	EACH	5648					0			0	5,648		5648
51100100	SLOPE WALL 4 INCH	SQ YD	132					0	41.0	11.0	52	6.0	1.2	7
52000005	PREFORMED JOINT SEAL 1"	FOOT	645	14.0				0			0	125.0		125
52000030	PREFORMED JOINT SEAL 2 1/2"	FOOT	3967				249	249		208	208		81	81
52000110	PREFORMED JOINT STRIP SEAL	FOOT	8926	185	469	141	68	209	154	77	231	1,465	646	2111
52100010	ELASTOMERIC BEARING ASSEMBLY, TYPE I	EACH	30					0			0	30		30
52100520	ANCHOR BOLTS, 1"	EACH	140					0			0	120	20	140
58700300	CONCRETE SEALER	SQ FT	44306	808	2,019	713	322	1035	709	310	1019	6,259	2,239	8498
59000200	EPOXY CRACK INJECTION	FOOT	933					0	6		6	230	92	322
X0323491	SLOPE WALL CRACK SEALING	FOOT	2088			20	20	40	121	13	134	81	27	108
	MANHOLE, SPECIAL, FRAME AND LID	EACH	1					0			0			0
X0325748	ACRYLIC COATING	SQ YD	2184					0			0	1,246	938	2184
X0325749	FIBER WRAP	SQ FT	19627					0			0	11,189	8,438	19627
X0327577	PROTECT AND MAINTAIN EXISTING UNDERPASS LUMINAIRE	L SUM	1	0.022	0.022	0.022	0.022	0.044	0.022	0.022	0.044	0.076	0.022	0.098
X0327773	ACCESS DOOR	EACH	2		2.00			0			0			0
X0900022	BRIDGE DRAINAGE SYSTEM REPAIR	FOOT	72					0			0	45	27	72
X5030250	BRIDGE DECK GROOVING (LONGITUDINAL)	SQ YD	56737	784	1,654	1,309	600	1909	1,091	500	1591	10,394	3,774	14168
X5060704	CLEANING AND PAINTING EXPOSED REBAR	SQ FT	484					0			0			0
Z0001903	STRUCTURAL STEEL REMOVAL	POUND	17910	1,970.0		230.0	760.0	990	2,880.0	1,810.0	4690			0
Z0001905	STRUCTURAL STEEL REPAIR	POUND	20					0			0		20	20
Z0003615	REMOVAL OF EXISTING CONCRETE I-BEAM	EACH	30					0			0	30		30
Z0003802	REMOVAL OF EXISTING BEARINGS	EACH	60					0			0	60		60
Z0006018	BRIDGE DECK LATEX CONCRETE OVERLAY, 3 INCHES	SQ YD	82852	1,269	3,314	1,813	889	2702	1,513	735	2248	14,282	5,653	19935
Z0007101	CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES NO. 1	L SUM	1					0			0	0.5	0.5	1
Z0010501	CLEANING AND PAINTING STEEL BRIDGE NO. 1	L SUM	1					0			0	0.5	0.5	1
Z0010605	CLEANING DRAINAGE SYSTEM	L SUM	1	0.05	0.05			0.00		0.05	0.05	0.25	0.20	0.45
Z0012130	BRIDGE DECK SCARIFICATION 3/4"	SQ YD	82918	1,269	3,314	1,813	889	2702	1,513	735	2248.00	14,282	5,653	19935.00
Z0012754	STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5 INCHES)	SQ FT	11007	370.0	8.0	101.0	51.0	152	70.0	76.0	146.00	2,490.0	1,180.0	3670.00
Z0012755	STRUCTURAL REPAIR OF CONCRETE (DEPTH GREATER THAN 5 INCHES)	SQ FT	431					0		3.0	3.00	140.0	68.0	208.00
Z0015500	DEBRIS REMOVAL	L SUM	1		0.5			0			0.00	0.5		0.50
Z0016001	DECK SLAB REPAIR (FULL DEPTH, TYPE I)	SQ YD	25	0.4	3.9			0.00			0.00	1.0	1.3	2.30
Z0016002	DECK SLAB REPAIR (FULL DEPTH, TYPE II)	SQ YD	655	3.7	54.7	3.9	19.8	24		3.8	3.80	8.8		8.80
Z0018051	DRAINAGE SCUPPERS TO BE ADJUSTED	EACH	69	1	5			0		2	2.00	20	23	43.00
Z0029090	DIAMOND GRINDING (BRIDGE SECTION)	SQ YD	84773	1,293.0	3,377.5	1,846.0	899.0	2745	1,541.0	748.0	2289.00	14,510.0	5,792.0	20302.00
Z0033028	MAINTENANCE OF LIGHTING SYSTEM	CAL MO	264	6	6	6	6	12	6	6	12.00	6	6	12.00
Z0043800	PRECAST PRESTRESSED CONCRETE I-BEAM REPAIR	SQ FT	802					0.00			0.00	136	666	802.00
Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1.0					0			0.00			0.00
Z0055905	TEMPORARY CONSTRUCTION FENCE	FOOT	6052					0			0.00			0.00
Z0073200	TEMPORARY SHORING AND CRIBBING	EACH	39					0	1	1	2.00	12	9	21.00

CODE NO.	ITEM	UNIT	STRUCTURE NUMBER											
			SN 016-0132			SN 016-0131			SN 016-0130			SN 016-0129		
			SB	REV	Total	SB	REV	Total	SB	REV	Total	SB	REV	Total
20700220	POROUS GRANULAR EMBANKMENT	CY YD	33	3	36	12		12			0			0
50102400	CONCRETE REMOVAL	CU YD	27.9	16.4	44.3	34.4	17.7	52.1	31.2	14.9	46.1	37.6	18.3	55.9
50104650	SLOPE WALL REMOVAL	SQ YD	33	3	36	12.0		12			0			0
50157300	PROTECTIVE SHIELD	SQ YD	1,171	592	1764	924	468	1392	813	528	1341	2,195	1,110	3305
50300255	CONCRETE SUPERSTRUCTURE	CU YD	30.5	18.0	48.6	38.7	19.8	58.5	38.1	16.8	54.9	41.9	20.6	62.5
50300300	PROTECTIVE COAT	SQ YD	2,242	1,257	3499	2,047	1,084	3131	1,682	914	2596	2,473	1,335	3808
50400805	FURNISHING AND ERECTING PRECAST PRESTRESSED CONCRETE I-BEAMS, 36 IN.	FOOT			0			0			0			0
50401005	FURNISHING AND ERECTING PRECAST PRESTRESSED CONCRETE I-BEAMS, 48 IN.	FOOT			0			0			0			0
50500405	FURNISHING AND ERECTING STRUCTURAL STEEL	POUND	1,830	320	2150	1,260	400	1660	2,050	270	2320			0
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	5700	3020	8720	5860	3150	9010	4860	2520	7380	6230	3140	9370
50800515	BAR SPLICERS	EACH	32		32	32		32	32		32	32		32
50800530	MECHANICAL SPLICERS	EACH			0			0			0			0
51100100	SLOPE WALL 4 INCH	SQ YD	33	3	36	12.0		12			0			0
52000005	PREFORMED JOINT SEAL 1"	FOOT			0			0			0			0
52000030	PREFORMED JOINT SEAL 2 1/2"	FOOT		264	264		233	233		196	196		288	288
52000110	PREFORMED JOINT STRIP SEAL	FOOT	205	106	311	222	116	338	179	89	268	224	110	334
52100010	ELASTOMERIC BEARING ASSEMBLY, TYPE I	EACH			0			0			0			0
52100520	ANCHOR BOLTS, 1"	EACH			0			0			0			0
58700300	CONCRETE SEALER	SQ FT	882	449	1331	1,237	636	1873	1,084	592	1676	1,336	620	1956
59000200	EPOXY CRACK INJECTION	FOOT			0			0			0	58	70	128
X0323491	SLOPE WALL CRACK SEALING	FOOT	121	10	131	237	122	359	60	10	70			0
X6020086	MANHOLE, SPECIAL, FRAME AND LID	EACH			0			0			0			0
X0325748	ACRYLIC COATING	SQ YD			0			0			0			0
X0325749	FIBER WRAP	SQ FT			0			0			0			0
X0327577	PROTECT AND MAINTAIN EXISTING UNDERPASS LUMINAIRE	L SUM	0.022	0.022	0.044	0.022	0.022	0.044	0.022	0.022	0.044	0.022	0.022	0.044
X0327773	ACCESS DOOR	EACH			0			0			0			0
X0900022	BRIDGE DRAINAGE SYSTEM REPAIR	FOOT			0			0			0			0
X5030250	BRIDGE DECK GROOVING (LONGITUDINAL)	SQ YD	1,384	692	2076	1,238	568	1806	1,041	478	1519	1,530	701	2231
X5060700	CLEANING AND PAINTING BEARINGS	EACH			0			0			0			0
X0323818	CLEANING AND PAINTING EXPOSED REBAR	SQ FT			0			0			0			0
Z0001903	STRUCTURAL STEEL REMOVAL	POUND	1,800	220	2020	1,260	400	1660	2,050	270	2320			0
Z0001905	STRUCTURAL STEEL REPAIR	POUND			0			0			0			0
Z0003615	REMOVAL OF EXISTING CONCRETE I-BEAM	EACH			0			0			0			0
Z0003802	REMOVAL OF EXISTING BEARINGS	EACH			0			0			0			0
Z0006018	BRIDGE DECK LATEX CONCRETE OVERLAY, 3 INCHES	SQ YD	1,916	925	2841	1,705	823	2528	1,436	693	2129	2,117	1,022	3139
Z0010605	CLEANING DRAINAGE SYSTEM	L SUM			0		0.05	0.05		0.05	0.05		0.05	0.05
Z0012130	BRIDGE DECK SCARIFICATION 3/4"	SQ YD	1,916	925	2841	1,705	823	2528	1,436	693	2129	2,117	1,022	3139
Z0012754	STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5 INCHES)	SQ FT	94	54	148	70	64	134	437	153	590	485	170	655
Z0012755	STRUCTURAL REPAIR OF CONCRETE (DEPTH GREATER THAN 5 INCHES)	SQ FT			0		8	8			0	15		15
Z0015500	DEBRIS REMOVAL	L SUM			0			0			0			0
Z0016001	DECK SLAB REPAIR (FULL DEPTH, TYPE I)	SQ YD			0	0.3		0.3	0.6		0.6	1.9	0.5	2.4
Z0016002	DECK SLAB REPAIR (FULL DEPTH, TYPE II)	SQ YD		17.2	17.2	0.6	42.2	42.8	1.0	3.5	4.5		3.2	3.2
Z0018051	DRAINAGE SCUPPERS TO BE ADJUSTED	EACH			0		3	3		1	1		2	2
Z0029090	DIAMOND GRINDING (BRIDGE SECTION)	SQ YD	1,957	945	2902	1,751	845	2596	1,472	720	2192	2,163	1,044	3207
Z0033028	MAINTENANCE OF LIGHTING SYSTEM	CAL MO	6	6	12	6	6	12	6	6	12	6	6	12
Z0043800	PRECAST PRESTRESSED CONCRETE I-BEAM REPAIR	SQ FT			0			0			0			0
Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM			0			0			0			0
Z0055905	TEMPORARY CONSTRUCTION FENCE	FOOT	264	166	430	325	202	527	256	165	421	514	421	935
Z0073200	TEMPORARY SHORING AND CRIBBING	EACH			0		1	1			0	1		1
Z0033028	PROTECTIVE NETTING	SQ YD			0			0			0			0
	REMOVAL OF EXISTING PROTECTIVE NETTING	SQ YD			0			0			0			0

MODEL: Default
FILE NAME: X:\DHA2020\2020022\1-03\Design\Civil\00D162X74-sht-Structure Schedule.dgn

GRAEF
8501 W. Higgins Road, Suite 280
Chicago, Illinois 60631; (773) 399-0112

USER NAME = 2118	DESIGNED - JLA	REVISED - 1 01/06/2023	
	DRAWN - NRM	REVISED -	
PLOT SCALE = 2.0000 ' / in.	CHECKED - PMJ	REVISED -	
PLOT DATE = 1/6/2023	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRIDGE SCHEDULE
SB/REV INTERSTATE 90/94 (KENNEDY EXPY)

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	2020-004-BR	COOK	1492	34
JOB NO.		CONTRACT NO. 62K74		
	ILLINOIS FED. AID PROJECT			

1 REV. 1/10/23

CODE NO.	ITEM	UNIT	STRUCTURE NUMBER											
			SN 016-0128			SN 016-2654			SN 016-0127			SN 016-1078	SN 016-1073	SN 016-0124
			SB	REV	Total	SB	REV	Total	SB	REV	Total			
20700220	POROUS GRANULAR EMBANKMENT	CY YD	0.5		0.5			0	10		10			
50102400	CONCRETE REMOVAL	CU YD	23.5	12.0	35.5			0	23.3	13.8	37.1	58.1	66.1	28.4
50104650	SLOPE WALL REMOVAL	SQ YD	1.1		1.1			0	10		10			
50157300	PROTECTIVE SHIELD	SQ YD	1,226	635	1861			0	1,991	1,021	3012	1,327	793	989
50300255	CONCRETE SUPERSTRUCTURE	CU YD	27.2	13.6	40.8			0	26.8	15.6	42.4	65.7	72.5	31.6
50300300	PROTECTIVE COAT	SQ YD	2,296	1,228	3,524	2,111	719	2,830	3,091	1,747	4,838	3,038	1,780	1,838
50400805	FURNISHING AND ERECTING PRECAST PRESTRESSED CONCRETE I-BEAMS, 36 IN.	FOOT			0			0			0			
50401005	FURNISHING AND ERECTING PRECAST PRESTRESSED CONCRETE I-BEAMS, 48 IN.	FOOT			0			0			0			
50500405	FURNISHING AND ERECTING STRUCTURAL STEEL	POUND	1,510		1510			0	810		810		350	
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	4760	2420	7180			0	5320	2890	8210	8650	7440	5200
50800515	BAR SPLICERS	EACH	30		30			0	30		30	32		32
50800530	MECHANICAL SPLICERS	EACH			0			0			0			
51100100	SLOPE WALL 4 INCH	SQ YD	1.1		1.1			0	10		10			
52000005	PREFORMED JOINT SEAL 1"	FOOT			0			0			0			
52000030	PREFORMED JOINT SEAL 2 1/2"	FOOT	9	279	288		190	190		369	369			
52000110	PREFORMED JOINT STRIP SEAL	FOOT	189	92	281			0	188	94	282	320	191	186
52100010	ELASTOMERIC BEARING ASSEMBLY, TYPE I	EACH			0			0			0			
52100030	ANCHOR BOLTS, 1"	EACH			0			0			0			
58700300	CONCRETE SEALER	SQ FT	983	454	1437			0	1,005	566	1571	1,623	1,342	1,010
59000200	EPOXY CRACK INJECTION	FOOT	7		7	35		35			0			
X0323491	SLOPE WALL CRACK SEALING	FOOT	122	55	177			0	237	10	247	30		
X6020086	MANHOLE, SPECIAL, FRAME AND LID	EACH			0		1	1			0			
X0325748	ACRYLIC COATING	SQ YD			0			0			0			
X0325749	FIBER WRAP	SQ FT			0			0			0			
X0327577	PROTECT AND MAINTAIN EXISTING UNDERPASS LUMINAIRE	L SUM	0.022	0.022	0.044	0.022		0.022	0.022	0.022	0.044	0.022	0.022	0.022
X0327773	ACCESS DOOR	EACH			0			0			0			
X0900022	BRIDGE DRAINAGE SYSTEM REPAIR	FOOT			0			0			0			
X5030250	BRIDGE DECK GROOVING (LONGITUDINAL)	SQ YD	1,411	647	2058	1,331	380	1711	1,938	889	2827	1,374	1,033	1,098
X5060700	CLEANING AND PAINTING BEARINGS	EACH			0			0			0			
X0323818	CLEANING AND PAINTING EXPOSED REBAR	SQ FT			0			0			0			
Z0001903	STRUCTURAL STEEL REMOVAL	POUND	1,470		1470			0	810		810		350	
Z0001905	STRUCTURAL STEEL REPAIR	POUND			0			0			0			
Z0003615	REMOVAL OF EXISTING CONCRETE I-BEAM	EACH			0			0			0			
Z0003802	REMOVAL OF EXISTING BEARINGS	EACH			0			0			0			
Z0006018	BRIDGE DECK LATEX CONCRETE OVERLAY, 3 INCHES	SQ YD	1,990	944	2934	1,854	559	2413	2,662	1,304	3966	2,680	1,554	1,563
Z0010605	CLEANING DRAINAGE SYSTEM	L SUM	0.05	0.05	0.10		0.05	0.05	0.05	0.05	0.10			
Z0012130	BRIDGE DECK SCARIFICATION 3/4"	SQ YD	1,990	944	2934	1,854	559	2413	2,662	1,304	3966	2,680	1,554	1,563
Z0012754	STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5 INCHES)	SQ FT	317	79	396	913	123	1036	118	42	160	103	18	104
Z0012755	STRUCTURAL REPAIR OF CONCRETE (DEPTH GREATER THAN 5 INCHES)	SQ FT	47		47			0			0			2
Z0015500	DEBRIS REMOVAL	L SUM			0			0			0			
Z0016001	DECK SLAB REPAIR (FULL DEPTH, TYPE I)	SQ YD	2.0		2.0			0			0	0.2	3.1	0.1
Z0016002	DECK SLAB REPAIR (FULL DEPTH, TYPE II)	SQ YD	5.0		5.0			0	5.3	8.0	13.3	6.5	32.8	3.7
Z0018051	DRAINAGE SCUPPERS TO BE ADJUSTED	EACH	2	4	6		2	2	1	3	4			
Z0029090	DIAMOND GRINDING (BRIDGE SECTION)	SQ YD	2,058	975	3033	1,867	565	2432	2,700	1,323	4023	2,744	1,607	1,601
Z0033028	MAINTENANCE OF LIGHTING SYSTEM	CAL MO	6	6	12	6	6	12	6	6	12	6	6	6
Z0043800	PRECAST PRESTRESSED CONCRETE I-BEAM REPAIR	SQ FT			0			0			0			
Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM			0			0			0			
Z0055905	TEMPORARY CONSTRUCTION FENCE	FOOT	289	208	497	315		815	128	81	209	423	310	
Z0073200	TEMPORARY SHORING AND CRIBBING	EACH	5	2	7			0			0			
Z0033028	PROTECTIVE NETTING	SQ YD			0			0			0			
	REMOVAL OF EXISTING PROTECTIVE NETTING	SQ YD			0			0			0			

1 REVISED SHEET 1/10/2023

MODEL: Default
FILE NAME: X:\DHs2020\2020221-03\Design\Civil\60416274-sht-Structure Schedule.dgn

GRAEF
8501 W. Higgins Road Suite 280
Chicago, Illinois 60631 (773) 399-0112

USER NAME = 2118	DESIGNED - JLA	REVISED - 1 01/06/2023	
	DRAWN - NRM	REVISED -	
PLOT SCALE = 2.0000 ' / in.	CHECKED - PMJ	REVISED -	
PLOT DATE = 1/6/2023	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRIDGE SCHEDULE
SB/REV INTERSTATE 90/94 (KENNEDY EXPY)

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	2020-004-BR	COOK	1492	35
JOB NO.		CONTRACT NO. 62K74		
	ILLINOIS FED. AID PROJECT			

CODE NO.	ITEM	UNIT	STRUCTURE NUMBER												
			SN 016-1076	SN 016-0123			SN 016-0121			SN 016-0120			SN 016-0118		
				SB	REV	Total	SB	REV	Total	SB	REV	Total	SB	REV	Total
20700220	POROUS GRANULAR EMBANKMENT	CY YD		1	1	1			0	9	1	10			0
50102400	CONCRETE REMOVAL	CU YD	30.5	52.0	58.3	110.3	152.6	103.0	255.5	32.5	19.1	51.6	30.6	15.2	45.8
50104650	SLOPE WALL REMOVAL	SQ YD		1	1	1			0	9	1	10			0
50157300	PROTECTIVE SHIELD	SQ YD	1,143	911	941	1,852	2,482	1,618	4,100	852	586	1438	1,614	765	2379
50300255	CONCRETE SUPERSTRUCTURE	CU YD	34.0	57.3	63.9	121.2	165.1	114.0	279.1	36.5	23.0	59.5	34.0	16.8	50.8
50300300	PROTECTIVE COAT	SQ YD	2,058	1,751	1,908	3659	4,247	2,120	6367	1,883	1,361	3244	1,824	957	2781
50400805	FURNISHING AND ERECTING PRECAST PRESTRESSED CONCRETE I-BEAMS, 36 IN.	FOOT				0			0			0			0
50401005	FURNISHING AND ERECTING PRECAST PRESTRESSED CONCRETE I-BEAMS, 48 IN.	FOOT				0			0			0			0
50500405	FURNISHING AND ERECTING STRUCTURAL STEEL	POUND				0			0	1,630		1630			0
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	5930	7880	8330	16210	15540	8860	24400	5100	3220	8320	5310	2620	7930
50800515	BAR SPLICERS	EACH		44		44	82		82	38	1	38	32		32
50800530	MECHANICAL SPLICERS	EACH				0			0			0			0
51100100	SLOPE WALL 4 INCH	SQ YD		1	1	1			0	9	1	10			0
52000005	PREFORMED JOINT SEAL 1"	FOOT				0		332	332			0			0
52000030	PREFORMED JOINT SEAL 2 1/2"	FOOT				0		430	430		215	215		200	200
52000110	PREFORMED JOINT STRIP SEAL	FOOT	210	194	200	394	437	245	682	153	104	257	199	89	288
52100010	ELASTOMERIC BEARING ASSEMBLY, TYPE I	EACH				0			0			0			0
52100520	ANCHOR BOLTS, 1"	EACH				0			0			0			0
58700300	CONCRETE SEALER	SQ FT	1,133	1,188	1,014	2202	2,087	1,229	3316	754	508	1262	832	421	1253
59000200	EPOXY CRACK INJECTION	FOOT				0	17	12	29		5	5	7		7
X0323491	SLOPE WALL CRACK SEALING	FOOT		101	89	190			0	147	60	207			0
X6020086	MANHOLE, SPECIAL, FRAME AND LID	EACH				0			0			0			0
X0325748	ACRYLIC COATING	SQ YD				0			0			0			0
X0325749	FIBER WRAP	SQ FT				0			0			0			0
X0327577	PROTECT AND MAINTAIN EXISTING UNDERPASS LUMINAIRE	L SUM	0.022	0.022	0.022	0.044	0.022	0.022	0.044	0.022	0.022	0.044	0.022	0.022	0.044
X0327773	ACCESS DOOR	EACH				0			0			0			0
X0900022	BRIDGE DRAINAGE SYSTEM REPAIR	FOOT				0			0			0			0
X5030250	BRIDGE DECK GROOVING (LONGITUDINAL)	SQ YD	1,321	1,053	869	1922	2,373	872	3245	1,145	573	1718	1,279	520	1799
X5060700	CLEANING AND PAINTING BEARINGS	EACH				0			0			0			0
X0323818	CLEANING AND PAINTING EXPOSED REBAR	SQ FT				0			0			0			0
Z0001903	STRUCTURAL STEEL REMOVAL	POUND				0			0	1,630	1	1630			0
Z0001905	STRUCTURAL STEEL REPAIR	POUND				0			0			0			0
Z0003615	REMOVAL OF EXISTING CONCRETE I-BEAM	EACH				0			0			0			0
Z0003802	REMOVAL OF EXISTING BEARINGS	EACH				0			0			0			0
Z0006018	BRIDGE DECK LATEX CONCRETE OVERLAY, 3 INCHES	SQ YD	1,772	1,463	1,493	2956	3,582	1,759	5341	1,638	1,105	2743	1,542	697	2239
Z0010605	CLEANING DRAINAGE SYSTEM	L SUM				0	1		0			0	1		0
Z0012130	BRIDGE DECK SCARIFICATION 3/4"	SQ YD	1,772	1,463	1,493	2956	3,582	1,759	5341	1,638	1,105	2743	1,542	697	2239
Z0012754	STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5 INCHES)	SQ FT	72	92	60	152	688	360	1048	16	24	40	86	26	112
Z0012755	STRUCTURAL REPAIR OF CONCRETE (DEPTH GREATER THAN 5 INCHES)	SQ FT		6	1	6	1		0	1		0	1		0.0
Z0015500	DEBRIS REMOVAL	L SUM				0			0			0			0.0
Z0016001	DECK SLAB REPAIR (FULL DEPTH, TYPE I)	SQ YD				0			0		2.5	2.5	0.5		0.5
Z0016002	DECK SLAB REPAIR (FULL DEPTH, TYPE II)	SQ YD	2.4		132.8	132.8	40.3		40.3	8.5	13.9	22.4	7.3		7.3
Z0018051	DRAINAGE SCUPPERS TO BE ADJUSTED	EACH				0			0			0			0
Z0029090	DIAMOND GRINDING (BRIDGE SECTION)	SQ YD	1,816	1,535	1,552	3087	3,654	1,828	5482	1,686	1,138	2824	1,582	715	2297
Z0033028	MAINTENANCE OF LIGHTING SYSTEM	CAL MO	6	6	6	12	6	6	12	6	6	12	6	6	12
Z0043800	PRECAST PRESTRESSED CONCRETE I-BEAM REPAIR	SQ FT				0			0			0			0
Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM				0		1	0			0			0
Z0055905	TEMPORARY CONSTRUCTION FENCE	FOOT		270	274	544	1		0	263	211	474			0
Z0073200	TEMPORARY SHORING AND CRIBBING	EACH		1		1	2	1	3			0			0
Z0033028	PROTECTIVE NETTING	SQ YD				0			0			0	1		0
	REMOVAL OF EXISTING PROTECTIVE NETTING	SQ YD				0			0			0			0

1 REVISED SHEET 1/10/2023

MODEL: Default
FILE NAME: X:\OH\2020\20200221\03\Design\Civil\00D162K74-dht-Structure Sched4e.dgn

GRāEF
8501 W. Higgins Road Suite 280
Chicago, Illinois 60631 (773) 399-0112

USER NAME = 2118	DESIGNED - JLA	REVISED - 1 01/06/2023
	DRAWN - NRM	REVISED -
PLOT SCALE = 2.0000 ' / in.	CHECKED - PMJ	REVISED -
PLOT DATE = 1/6/2023	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRIDGE SCHEDULE
SB/REV INTERSTATE 90/94 (KENNEDY EXPY)

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	2020-004-BR	COOK	1492	36
JOB NO.		CONTRACT NO. 62K74		
	ILLINOIS FED. AID PROJECT			

CODE NO.	ITEM	UNIT	STRUCTURE NUMBER												
			SN 016-0115			SN 016-0114			SN 016-2459	SN 016-0112			SN 016-2574	SN 016-0110	SN 016-2594
			SB	REV	Total	SB	REV	Total		SB	REV	Total			
20700220	POROUS GRANULAR EMBANKMENT	CY YD	1.0		1	1.0		1			1.0	1			
50102400	CONCRETE REMOVAL	CU YD	35	18	53	31	16	47		37.1	13.2	50	38	23	17.8
50104650	SLOPE WALL REMOVAL	SQ YD	1.0		1	1.0		1			1.0	1			
50157300	PROTECTIVE SHIELD	SQ YD	1,419.5	721.0	2141	862.0	412.0	1274		1,090.0	478.0	1568	1,832.9	885.4	731.0
50300255	CONCRETE SUPERSTRUCTURE	CU YD	39.4	20.1	59	34.6	17.4	52		42.9	14.1	57	46.7	26.3	19.6
50300300	PROTECTIVE COAT	SQ YD	2,795.0	1,482.0	4277	1,825.0	938.0	2763		2,219.0	1,037.0	3256	2,845.0	1,438.0	958.0
50400805	FURNISHING AND ERECTING PRECAST PRESTRESSED CONCRETE I-BEAMS, 36 IN.	FOOT			0			0				0			
50401005	FURNISHING AND ERECTING PRECAST PRESTRESSED CONCRETE I-BEAMS, 48 IN.	FOOT			0			0				0			
50500405	FURNISHING AND ERECTING STRUCTURAL STEEL	POUND			0			0				0			
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	5980	3110	9090	4950	2580	7530		6110	3050	9160	5480	3750	2570
50800515	BAR SPLICERS	EACH	32		32	32		32		32		32	32		
50800530	MECHANICAL SPLICERS	EACH			0			0				0			
51100100	SLOPE WALL 4 INCH	SQ YD	1.0		1	1.0		1			1.0	1			
52000005	PREFORMED JOINT SEAL 1"	FOOT			0			0	174.0			0			
52000030	PREFORMED JOINT SEAL 2 1/2"	FOOT		322	322		203	203		11	220	231			
52000110	PREFORMED JOINT STRIP SEAL	FOOT	225	111	336	190	89	279		232	78	310	237	132	85
52100010	ELASTOMERIC BEARING ASSEMBLY, TYPE I	EACH			0			0				0			
52100520	ANCHOR BOLTS, 1"	EACH			0			0				0			
58700300	CONCRETE SEALER	SQ FT	1,244	641	1885	1,119	537	1656	457	1,088	479	1567	1,154	741	482
59000200	EPOXY CRACK INJECTION	FOOT	7		7			0		14	107	121			266
X0323491	SLOPE WALL CRACK SEALING	FOOT	22		22	41	23	64		221	88	309			
	MANHOLE, SPECIAL, FRAME AND LID	EACH			0			0				0			
X0325748	ACRYLIC COATING	SQ YD			0			0				0			
X0325749	FIBER WRAP	SQ FT			0			0				0			
X0327577	PROTECT AND MAINTAIN EXISTING UNDERPASS LUMINAIRE	L SUM	0.022	0.022	0.044	0.022	0.022	0.044	0.022	0.022	0.022	0.044	0.022	0.022	0.022
X0327773	ACCESS DOOR	EACH			0			0				0			
X0900022	BRIDGE DRAINAGE SYSTEM REPAIR	FOOT			0			0				0			
X5030250	BRIDGE DECK GROOVING (LONGITUDINAL)	SQ YD	1,685	773	2458	1,149	482	1631		1,674	512	2186	1,525	620	472
X0323818	CLEANING AND PAINTING EXPOSED REBAR	SQ FT			0			0	484			0			
Z0001903	STRUCTURAL STEEL REMOVAL	POUND			0			0				0			
Z0001905	STRUCTURAL STEEL REPAIR	POUND			0			0				0			
Z0003615	REMOVAL OF EXISTING CONCRETE I-BEAM	EACH			0			0				0			
Z0003802	REMOVAL OF EXISTING BEARINGS	EACH			0			0				0			
Z0006018	BRIDGE DECK LATEX CONCRETE OVERLAY, 3 INCHES	SQ YD	2,339	1,135	3474	1,557	709	2266		1,950	816	2766	2,391	1,058	631
Z0007101	CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES NO. 1	L SUM			0			0				0			
Z0010501	CLEANING AND PAINTING STEEL BRIDGE NO. 1	L SUM			0			0				0			
Z0010605	CLEANING DRAINAGE SYSTEM	L SUM			0.00			0.00				0.00			
Z0012130	BRIDGE DECK SCARIFICATION 3/4"	SQ YD	2,339	1,135	3474.00	1,557	709	2266.00	0	1,950	816	2766.00	2,457	1,058	631
Z0012754	STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5 INCHES)	SQ FT	103.0	73.0	176.00	132.0	17.0	149.00	1,324.0	118.0	40.0	158.00	35.0	35.0	16.0
Z0012755	STRUCTURAL REPAIR OF CONCRETE (DEPTH GREATER THAN 5 INCHES)	SQ FT	15.0		15.00	6.0	6.0	12.00	115.0			0.00			
Z0015500	DEBRIS REMOVAL	L SUM			0.00			0.00				0.00			
Z0016001	DECK SLAB REPAIR (FULL DEPTH, TYPE I)	SQ YD	1.1	0.3	1.43		0.2	0.20		2.5		2.50	0.4	0.9	1.0
Z0016002	DECK SLAB REPAIR (FULL DEPTH, TYPE II)	SQ YD	0.9	2.1	2.99	3.6		3.60		6.5	12.0	18.50	132.7	68.4	
Z0018051	DRAINAGE SCUPPERS TO BE ADJUSTED	EACH			0.00			0.00				0.00			
Z0029090	DIAMOND GRINDING (BRIDGE SECTION)	SQ YD	2,387.0	1,159.0	3546.00	1,586.0	723.0	2309.00		2,023.0	847.0	2870.00	2,457.0	1,085.0	657.0
Z0033028	MAINTENANCE OF LIGHTING SYSTEM	CAL MO	6	6	12.00	6	6	12.00	6	6	6	12.00	6	6	6
Z0043800	PRECAST PRESTRESSED CONCRETE I-BEAM REPAIR	SQ FT			0.00			0.00				0.00			
Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM			0.00			0.00				0.00			
Z0055905	TEMPORARY CONSTRUCTION FENCE	FOOT			0.00	268	167	435.00		331	201	532.00			
Z0073200	TEMPORARY SHORING AND CRIBBING	EACH			0.00			0.00		2	1	3.00			

GRAEF
8501 W. Higgins Road, Suite 280
Chicago, Illinois 60631; (773) 399-0112

USER NAME = 2080	DESIGNED - JLA	REVISED -
	DRAWN - NRM	REVISED -
PLOT SCALE = 2.0000 ' / in.	CHECKED - PMJ	REVISED -
PLOT DATE = 10/19/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRIDGE SCHEDULE
SB/REV INTERSTATE 90/94 (KENNEDY EXPY)

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	2020-004-BR	COOK	1492	37
JOB NO.		CONTRACT NO. 62K74		
	ILLINOIS	FED. AID PROJECT		

1 REVISED ENTIRE SHEET 1/10/23

				OVERHEAD SIGN STRUCTURE NUMBER												
			INVENTORY NUMBER:	1S016I094R050.4	1S016I094R049.6	1S016I094R048.1	1S016I094R047.3	1S016I094R046.4	1S016I094R045.4	1S016I094R044.6	1S016I094R043.8	1S016I094R044.2	1S016I094L048.1	1S016I094L046.8	1S016I094L043.7	1S016I094L47.5
			STATION (+/-):	302+87	344+54	425+40	471+83	514+40	568+95	611+61	655+85	644+80	428+70	496+05	659+44	460+57
			INBOUND/REVERSIBLE:	INBOUND	INBOUND	INBOUND	INBOUND	INBOUND	INBOUND	INBOUND	INBOUND	INBOUND	REVERSIBLE	REVERSIBLE	REVERSIBLE	OUTBOUND
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	SIGN 15	SIGN 16	SIGN 9	SIGN 8	SIGN 7	SIGN 12	SIGN 14	SIGN 6	SIGN 1	SIGN 4	SIGN 3	SIGN 2	SIGN 5
44001980	CONCRETE BARRIER REMOVAL	FOOT	597	52	45	44	44		40	45	50.75	44.25	89	50	41	52
50102400	CONCRETE REMOVAL	CU YD	7.1					2.4								4.7
50200100	STRUCTURE EXCAVATION	CY YD	146	41				33.7			44.5					27
52200020	TEMPORARY SOIL RETENTION SYSTEM	SQ FT	458	178							280					
63700805	CONCRETE BARRIER TRANSITION	FOOT	444	40	33	33	33		28	22	39.5	33	65	40	37	40
72000300	SIGN PANEL - TYPE 3	SQ FT	4,353.750	524.75		490.75	492	361.5	347.5		727	639.75		479	88	203.5
72400330	REMOVE SIGN PANEL - TYPE 3	SQ FT	4,374.250	540		501.25	500	367.25	347.5		695	639		488.75	92	203.5
73300100	OVERHEAD SIGN STRUCTURE - SPAN, TYPE I-A (4'-0" X 4'-6")	FOOT	426	100		83	86	85						72		
73300200	OVERHEAD SIGN STRUCTURE - SPAN TYPE II-A (4'-6" X 5'-3")	FOOT	212								109	103				
73300300	OVERHEAD SIGN STRUCTURE - SPAN, TYPE III-A (5'-0" X 7'-0")	FOOT	348		79				81	74			36			78
73301810	OVERHEAD SIGN STRUCTURE WALKWAY, TYPE A	FOOT	199		39				39	41			5			75
73302110	OVERHEAD SIGN STRUCTURE - CANTILEVER, TYPE I-C-A (24" X 4'-6")	FOOT	23												23	
73400100	CONCRETE FOUNDATIONS	CU YD	38.8					23.7								15.1
73400200	DRILLED SHAFT CONCRETE FOUNDATIONS	CU YD	451	71.5	58.5	40.9	26.1	9.7	37.7	46.2	51.8	32.1	33.3	19.2	6.8	17.5
73600100	REMOVE OVERHEAD SIGN STRUCTURE - SPAN	EACH	12	1	1	1	1	1	1	1	1	1	1	1		1
73600200	REMOVE OVERHEAD SIGN STRUCTURE - CANTILEVER	EACH	1												1	
	REVLAC CONTROL SYSTEM TESTING	L SUM	1.00													1

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GRAEF
8501 W. Higgins Road, Suite 280
Chicago, Illinois 60631; (773) 399-0112

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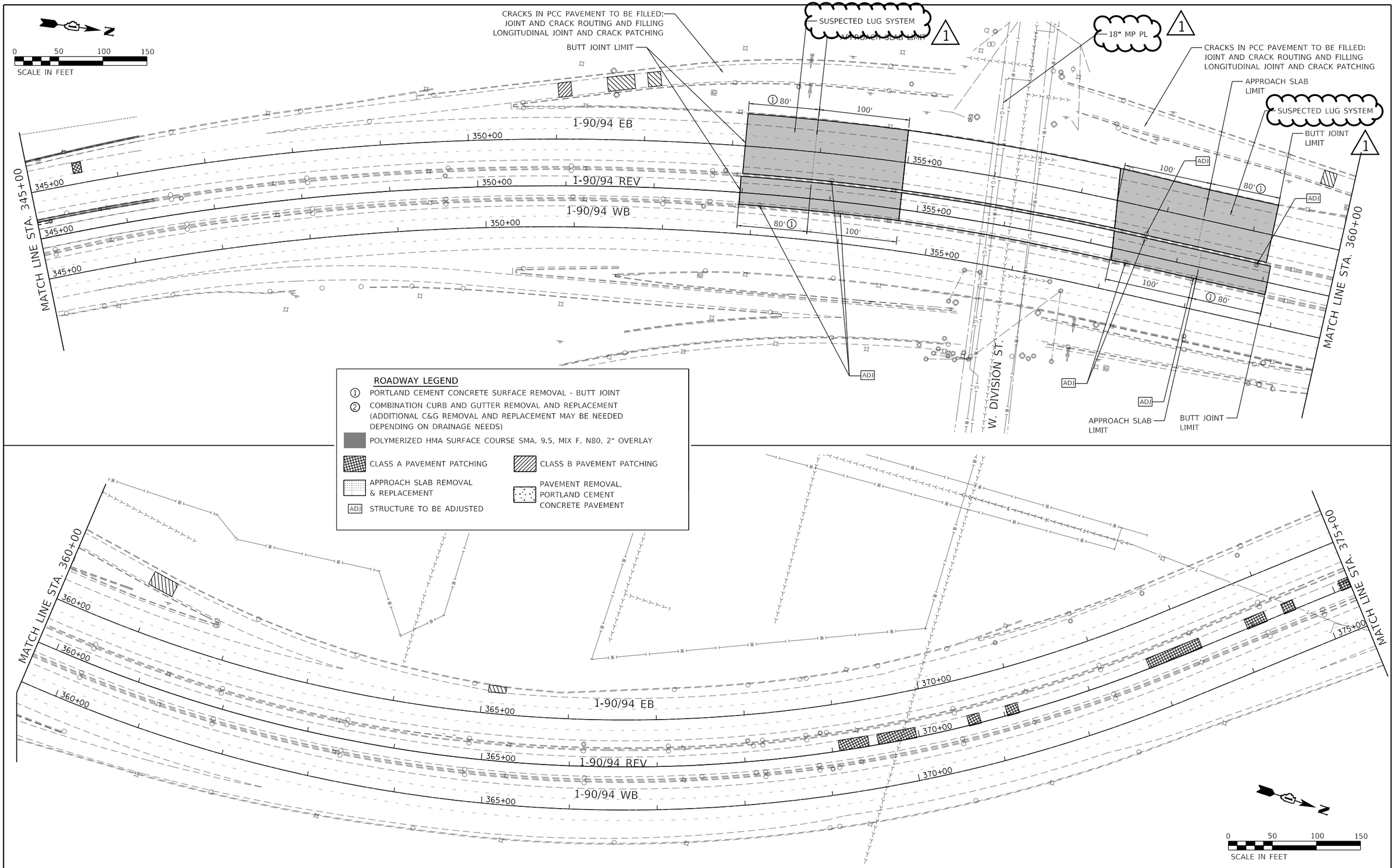
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

OVERHEAD SIGN STRUCTURE SCHEDULE
SB/REV INTERSTATE 90/94 (KENNEDY EXPY)

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	2020-004-BR	COOK	1492	38
JOB NO.		CONTRACT NO. 62K74		
	ILLINOIS	FED. AID PROJECT		

1 REV. 1/10/23



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GRĀEF
8501 W. Higgins Road, Suite 280
Chicago, Illinois 60631 (773) 399-0112

USER NAME = $USER$	DESIGNED - JLA	REVISED - 1 01/06/2023	
	DRAWN - NRM	REVISED -	
PLOT SCALE = $SCALE$	CHECKED - PMJ	REVISED -	
PLOT DATE = $DATE$	DATE -	REVISED -	

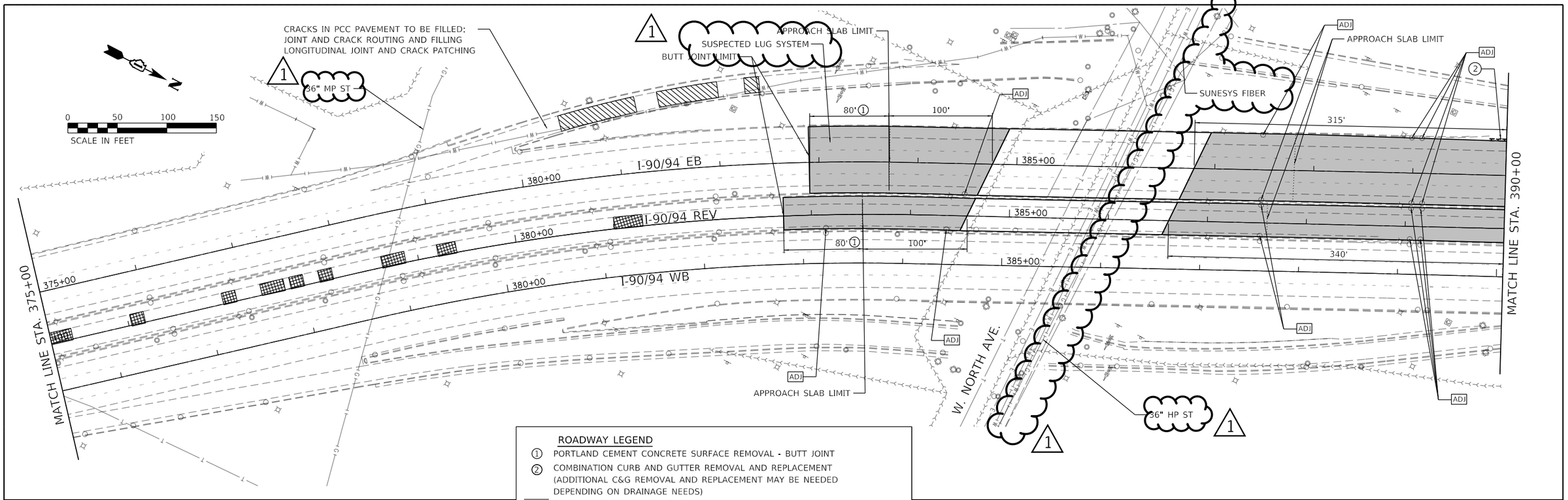
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY PLAN
SB/REV INTERSTATE 90/94 (KENNEDY EXPY)

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	2020-004-BR	COOK	1492	75
		CONTRACT NO. 62K74		
	ILLINOIS	FED. AID PROJECT		

1 REV. 1/10/23



ROADWAY LEGEND

① PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT

② COMBINATION CURB AND GUTTER REMOVAL AND REPLACEMENT (ADDITIONAL C&G REMOVAL AND REPLACEMENT MAY BE NEEDED DEPENDING ON DRAINAGE NEEDS)

POLYMERIZED HMA SURFACE COURSE SMA, 9.5, MIX F, N80, 2" OVERLAY

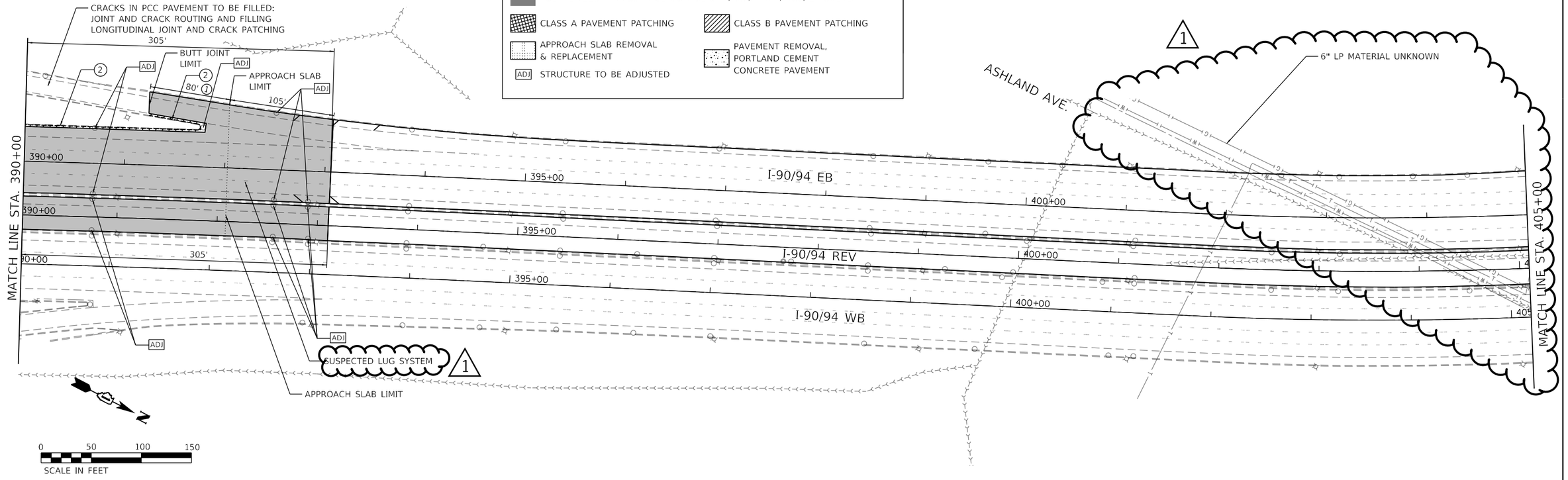
CLASS A PAVEMENT PATCHING

CLASS B PAVEMENT PATCHING

APPROACH SLAB REMOVAL & REPLACEMENT

PAVEMENT REMOVAL, PORTLAND CEMENT CONCRETE PAVEMENT

ADJ STRUCTURE TO BE ADJUSTED



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FILE NAME: $FILEL$

GRÄEF 8501 W. Higgins Road, Suite 280 Chicago, Illinois 60631; (773) 399-0112	USER NAME = $USER$	DESIGNED - JLA	REVISED - 1 01/06/2023
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	PLOT DATE = $DATE$	DATE -	REVISED -

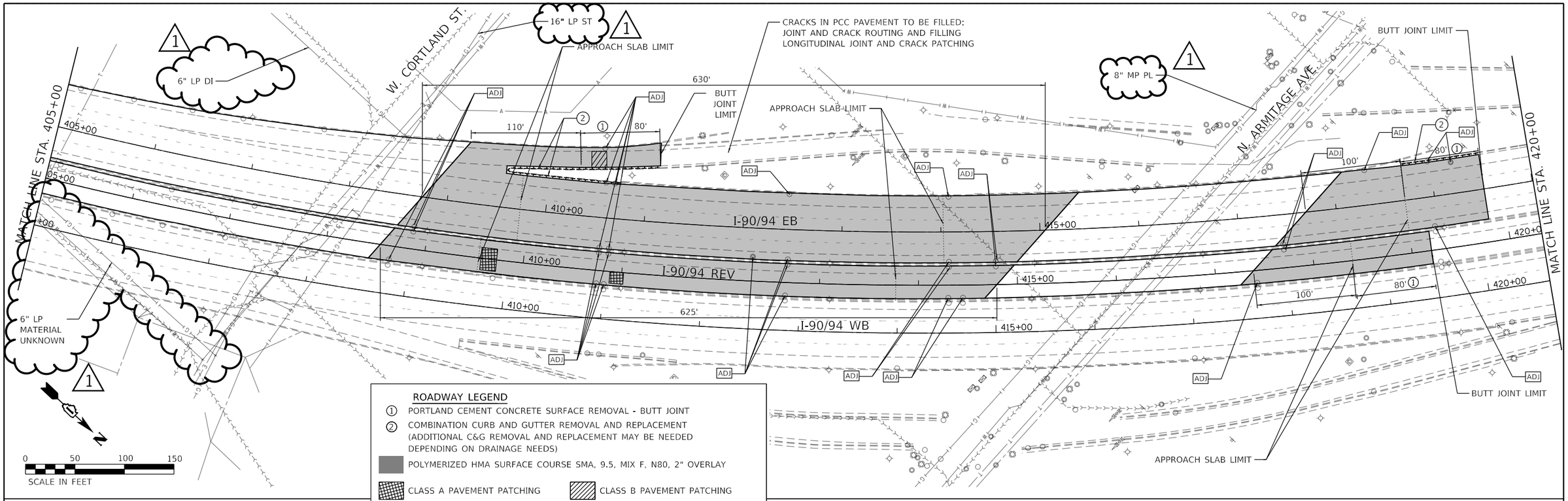
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY PLAN
SB/REV INTERSTATE 90/94 (KENNEDY EXPY)

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	2020-004-BR	COOK	1492	76
		CONTRACT NO. 62K74		
		ILLINOIS	FED. AID PROJECT	

1 REV. 1/10/23



ROADWAY LEGEND

① PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT

② COMBINATION CURB AND GUTTER REMOVAL AND REPLACEMENT (ADDITIONAL C&G REMOVAL AND REPLACEMENT MAY BE NEEDED DEPENDING ON DRAINAGE NEEDS)

POLYMERIZED HMA SURFACE COURSE SMA, 9.5, MIX F, N80, 2" OVERLAY

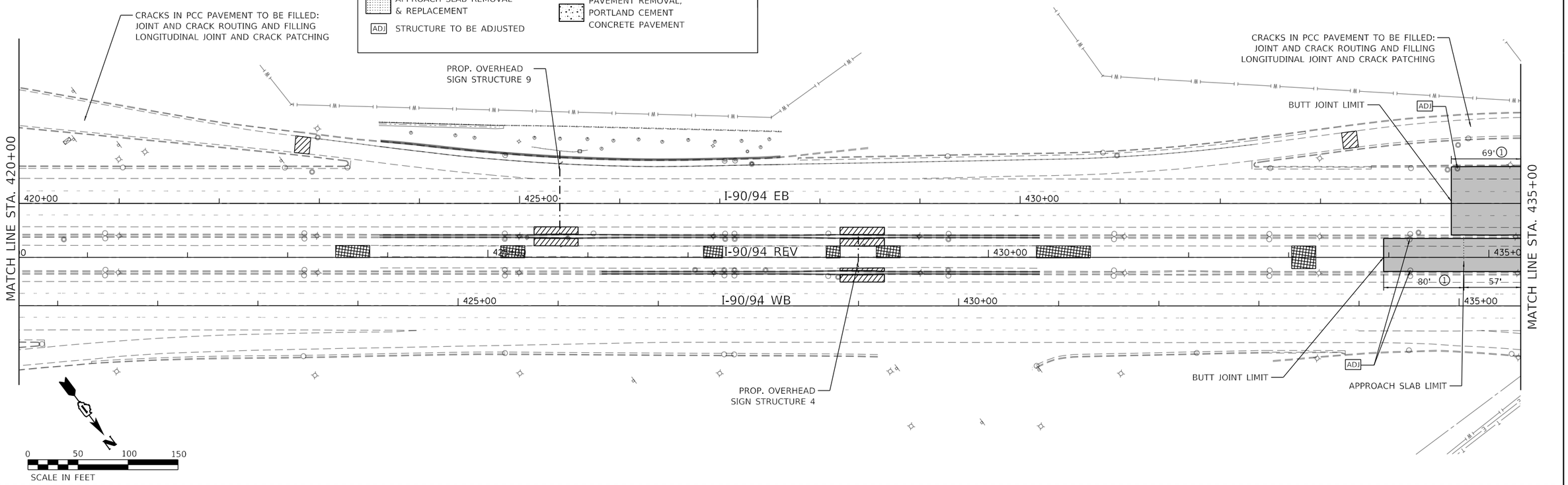
CLASS A PAVEMENT PATCHING

CLASS B PAVEMENT PATCHING

APPROACH SLAB REMOVAL & REPLACEMENT

PAVEMENT REMOVAL, PORTLAND CEMENT CONCRETE PAVEMENT

ADJ STRUCTURE TO BE ADJUSTED



MODEL: $MODELNAME$
FILE NAME: $FILEL$

GRAEF
8501 W. Higgins Road Suite 280
Chicago, Illinois 60631; (773) 399-0112

USER NAME = $USER$	DESIGNED - JLA	REVISED - 1 01/06/2023	
	DRAWN - NRM	REVISED -	
PLOT SCALE = $SCALE$	CHECKED - PMJ	REVISED -	
PLOT DATE = $DATE$	DATE -	REVISED -	

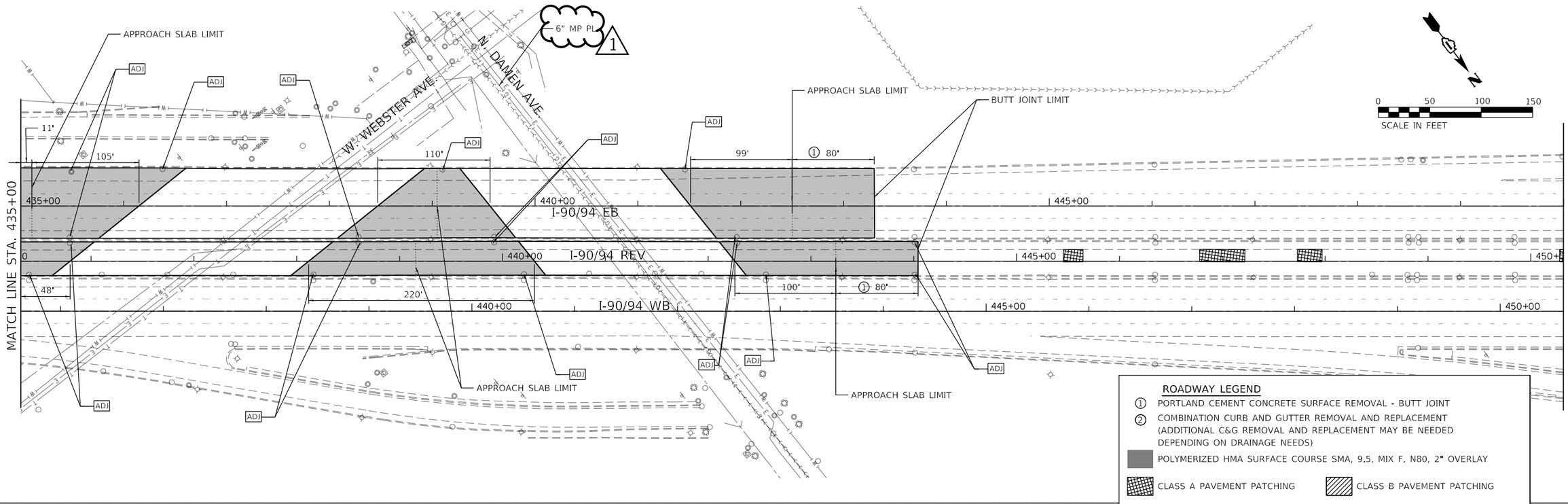
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY PLAN
SB/REV INTERSTATE 90/94 (KENNEDY EXPY)

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	2020-004-BR	COOK	1492	77
		CONTRACT NO. 62K74		
	ILLINOIS	FED. AID PROJECT		

1 REV. 1/10/23



MODEL: $MODELNAME$
FILE NAME: $FILEL$

GRĀEF
8501 W. Higgins Road Suite 280
Chicago, Illinois 60631; (773) 399-0112

USER NAME = $USER$	DESIGNED - JLA	REVISED - 1 01/06/2023
	DRAWN - NRM	REVISED -
PLOT SCALE = $SCALE$	CHECKED - PMJ	REVISED -
PLOT DATE = $DATE$	DATE -	REVISED -

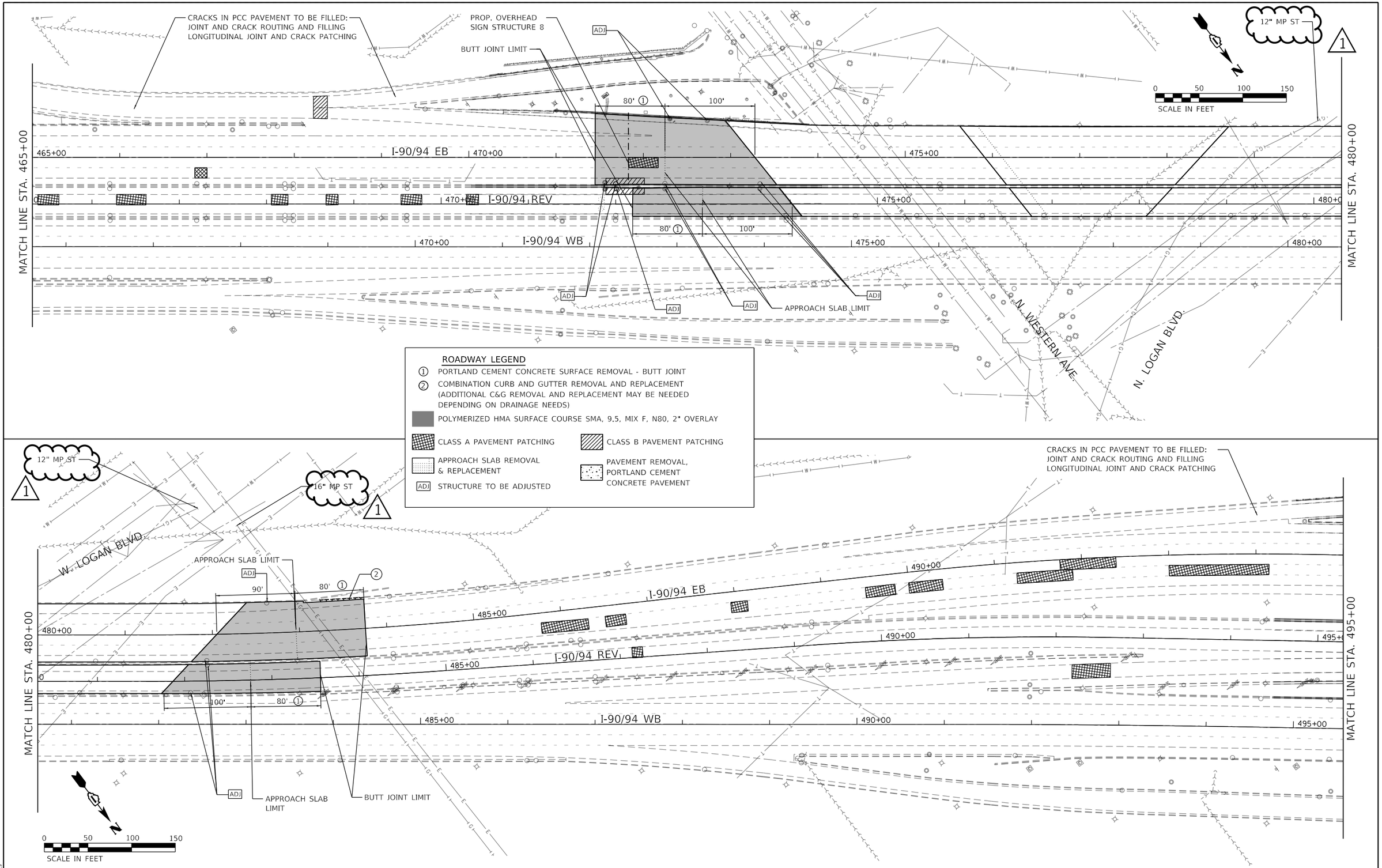
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY PLAN
SB/REV INTERSTATE 90/94 (KENNEDY EXPY)

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	2020-004-BR	COOK	1492	78
		CONTRACT NO. 62K74		
		ILLINOIS	FED. AID PROJECT	

1 REV. 1/10/23



ROADWAY LEGEND

1. PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT
2. COMBINATION CURB AND GUTTER REMOVAL AND REPLACEMENT (ADDITIONAL C&G REMOVAL AND REPLACEMENT MAY BE NEEDED DEPENDING ON DRAINAGE NEEDS)

- POLYMERIZED HMA SURFACE COURSE SMA, 9.5, MIX F, N80, 2" OVERLAY
- CLASS A PAVEMENT PATCHING
- CLASS B PAVEMENT PATCHING
- APPROACH SLAB REMOVAL & REPLACEMENT
- PAVEMENT REMOVAL, PORTLAND CEMENT CONCRETE PAVEMENT
- ADJ STRUCTURE TO BE ADJUSTED

MODEL: $MODELNAME$
FILE NAME: =$FILE$

GRĀEF
8501 W. Higgins Road; Suite 280
Chicago, Illinois 60631; (773) 399-0112

USER NAME = $USER$	DESIGNED - JLA	REVISED - 1 01/06/2023
	DRAWN - NRM	REVISED -
PLOT SCALE = $SCALE$	CHECKED - PMJ	REVISED -
PLOT DATE = $DATE$	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY PLAN
SB/REV INTERSTATE 90/94 (KENNEDY EXPY)

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	2020-004-BR	COOK	1492	79
		CONTRACT NO. 62K74		
	ILLINOIS FED. AID PROJECT			

1 REV. 1/10/23

PROP. OVERHEAD SIGN STRUCTURE 3

CRACKS IN PCC PAVEMENT TO BE FILLED: JOINT AND CRACK ROUTING AND FILLING LONGITUDINAL JOINT AND CRACK PATCHING

APPROACH SLAB LIMIT

SUSPECTED LUG SYSTEM

BUTT JOINT LIMIT

1

SUSPECTED LUG SYSTEM

1

MATCH LINE STA. 495+00

495+00

500+00

505+00

I-90/94 EB

I-90/94 REV

I-90/94 WB

ADJ

1 80'

110'

115'

285'

490'

100'

20'

REMOVE AND REPLACE BARREL ARRAY IMPACT ATTENUATOR

APPROACH SLAB LIMIT

APPROACH SLAB LIMIT

APPROACH SLAB LIMIT

APPROACH SLAB LIMIT

APPROACH SLAB LIMIT

APPROACH SLAB LIMIT

BUTT JOINT LIMIT

APPROACH SLAB LIMIT

W. DIVERSEY AVE.

N. CALIFORNIA AVE.

MATCH LINE STA. 510+00

510+00

515+00

520+00

525+00

0 50 100 150

SCALE IN FEET

N

ROADWAY LEGEND

1 PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT

2 COMBINATION CURB AND GUTTER REMOVAL AND REPLACEMENT (ADDITIONAL C&G REMOVAL AND REPLACEMENT MAY BE NEEDED DEPENDING ON DRAINAGE NEEDS)

POLYMERIZED HMA SURFACE COURSE SMA, 9.5, MIX F, N80, 2" OVERLAY

CLASS A PAVEMENT PATCHING

CLASS B PAVEMENT PATCHING

APPROACH SLAB REMOVAL & REPLACEMENT

PAVEMENT REMOVAL, PORTLAND CEMENT CONCRETE PAVEMENT

ADJ STRUCTURE TO BE ADJUSTED

SUSPECTED LUG SYSTEM

CRACKS IN PCC PAVEMENT TO BE FILLED: JOINT AND CRACK ROUTING AND FILLING LONGITUDINAL JOINT AND CRACK PATCHING

BUTT JOINT LIMIT

1 80'

510+00

515+00

520+00

I-90/94 EB

80'

1 80'

I-90/94 REV

I-90/94 WB

515+00

520+00

525+00

MATCH LINE STA. 510+00

MATCH LINE STA. 525+00

ADJ

SUSPECTED LUG SYSTEM

APPROACH SLAB LIMIT

CRACK ROUTING & FILLING; 1000 FT ROUTING, 3000 LB FILLING

PROP. OVERHEAD SIGN STRUCTURE 7

CRACKS IN PCC PAVEMENT TO BE FILLED: JOINT AND CRACK ROUTING AND FILLING LONGITUDINAL JOINT AND CRACK PATCHING

SUSPECTED LUG SYSTEM

APPROACH SLAB LIMIT

BUTT JOINT LIMIT

1 80'

100'

ADJ

N. SACRAMENTO AVE

6" LP CI

SUSPECTED LUG SYSTEM

APPROACH SLAB LIMIT

MODEL: $MODELNAME$
FILE NAME: $FILEL$

GRAEF
8501 W. Higgins Road; Suite 280
Chicago, Illinois 60631; (773) 399-0112

USER NAME = $USER$	DESIGNED - JLA	REVISED - 1 01/06/2023	
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PLOT SCALE = $SCALE$	CHECKED - PMJ	REVISED -	
PLOT DATE = $DATE$	DATE -	REVISED -	

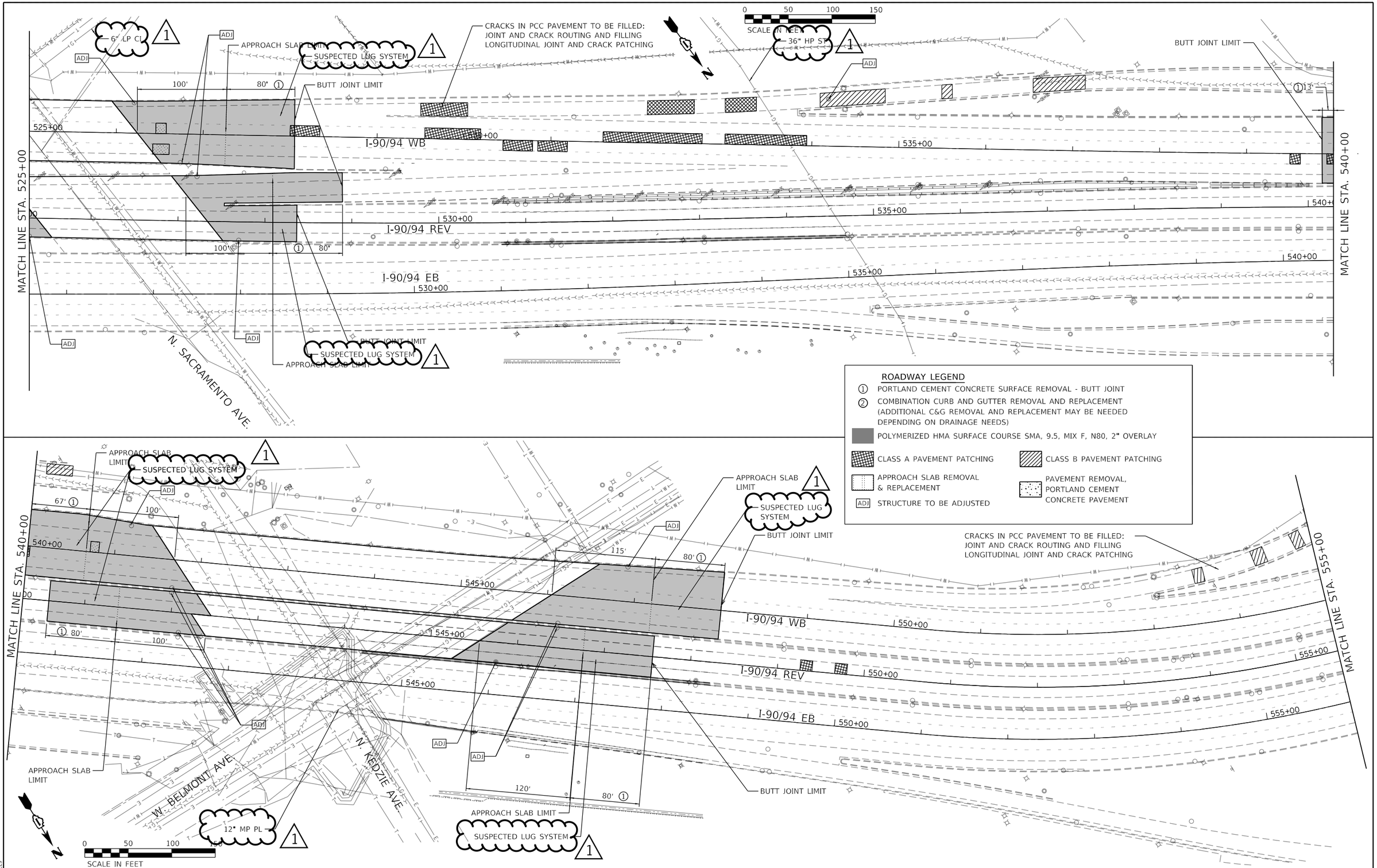
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY PLAN
SB/REV INTERSTATE 90/94 (KENNEDY EXPY)

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	2020-004-BR	COOK	1492	80
		CONTRACT NO. 62K74		
	ILLINOIS FED. AID PROJECT			

1 REV. 1/10/23



ROADWAY LEGEND

① PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT

② COMBINATION CURB AND GUTTER REMOVAL AND REPLACEMENT (ADDITIONAL C&G REMOVAL AND REPLACEMENT MAY BE NEEDED DEPENDING ON DRAINAGE NEEDS)

POLYMERIZED HMA SURFACE COURSE SMA, 9.5, MIX F, N80, 2" OVERLAY

CLASS A PAVEMENT PATCHING

CLASS B PAVEMENT PATCHING

APPROACH SLAB REMOVAL & REPLACEMENT

PAVEMENT REMOVAL, PORTLAND CEMENT CONCRETE PAVEMENT

ADJ STRUCTURE TO BE ADJUSTED

MODEL: $MODELNAME$
FILE NAME: $FILEL$

GRAEF 8501 W. Higgins Road, Suite 280 Chicago, Illinois 60631; (773) 399-0112	USER NAME = $USER$	DESIGNED - JLA	REVISED - 1 01/06/2023
		DRAWN - NRM	REVISED -
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	PLOT DATE = $DATE$	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY PLAN
SB/REV INTERSTATE 90/94 (KENNEDY EXPY)

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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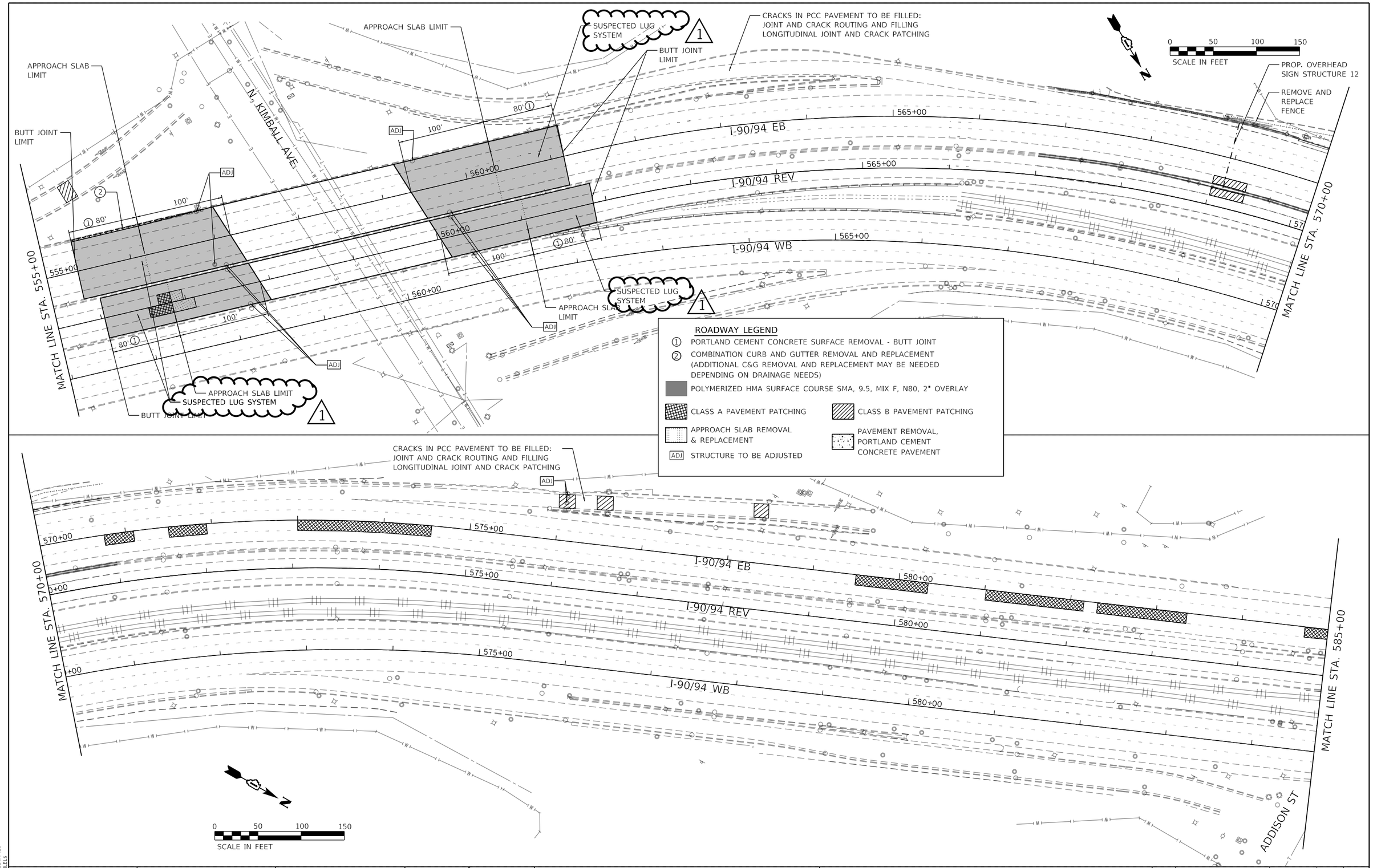
		CONTRACT NO. 62K74		
	ILLINOIS	FED. AID PROJECT		

1 REV. 1/10/23



MODEL: $MODELNAME$
FILE NAME: $FILE$

GRĀEF
8501 W. Higgins Road Suite 280
Chicago, Illinois 60631; (773) 399-0112

USER NAME = $USER$	DESIGNED - JLA	REVISED - 1 01/06/2023
	DRAWN - NRM	REVISED -
PLOT SCALE = $SCALE$	CHECKED - PMJ	REVISED -
PLOT DATE = $DATE$	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY PLAN
SB/REV INTERSTATE 90/94 (KENNEDY EXPY)

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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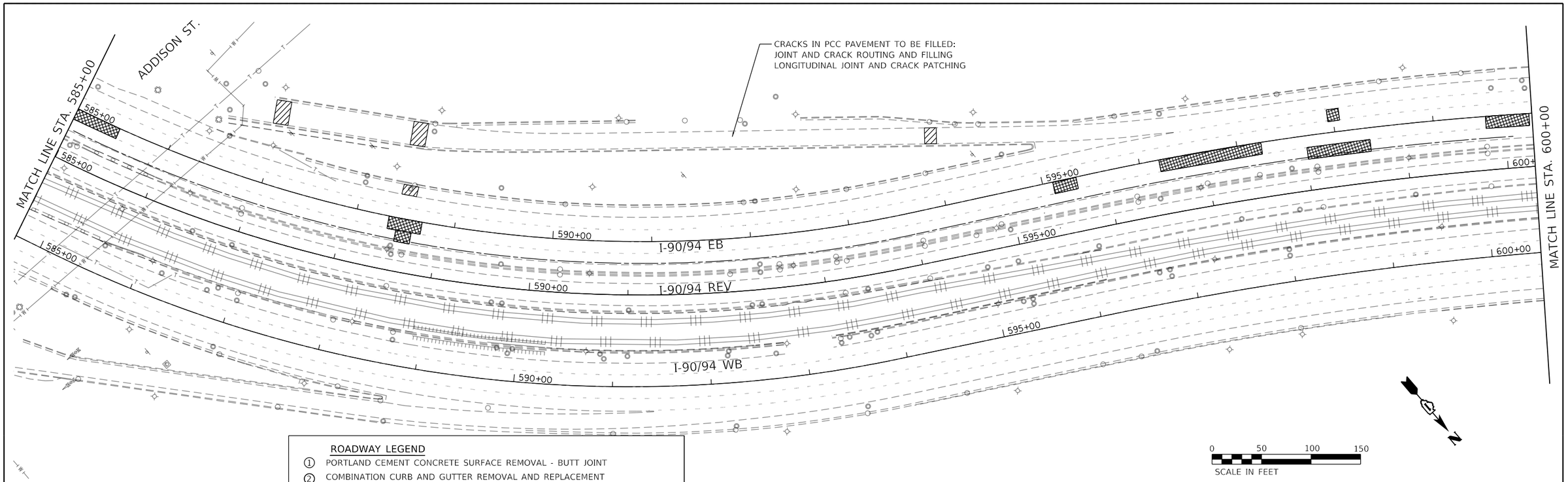
		CONTRACT NO. 62K74		
	ILLINOIS	FED. AID PROJECT		

1 REV. 1/10/23



MODEL: $MODELNAME$
FILE NAME: $FILEL$

GRĀEF
8501 W. Higgins Road Suite 280
Chicago, Illinois 60631; (773) 399-0112

USER NAME = $USER$	DESIGNED - JLA	REVISED - 1 01/06/2023	
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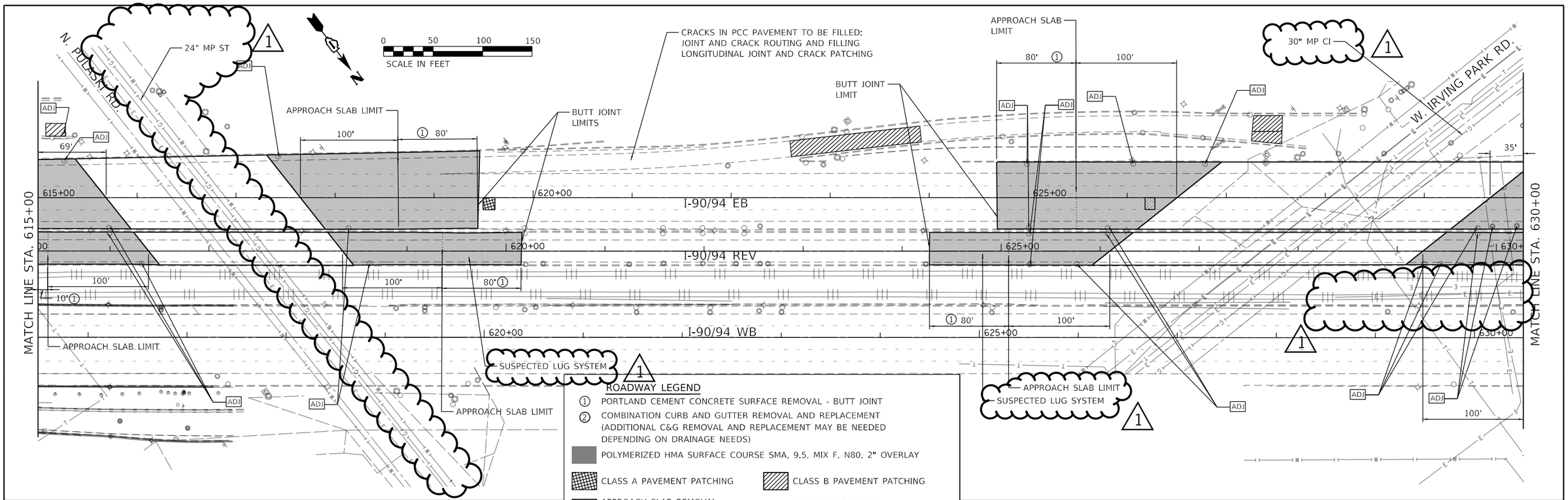
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY PLAN
SB/REV INTERSTATE 90/94 (KENNEDY EXPY)

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	2020-004-BR	COOK	1492	83
		CONTRACT NO. 62K74		
	ILLINOIS	FED. AID PROJECT		

1 REV. 1/10/23



GRAEF 8501 W. Higgins Road, Suite 280 Chicago, Illinois 60631; (773) 399-0112	USER NAME = $USER$	DESIGNED - JLA	REVISED - 1 01/06/2023	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ROADWAY PLAN SB/REV INTERSTATE 90/94 (KENNEDY EXPY)	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - NRM	REVISED -			90	2020-004-BR	COOK	1492	84
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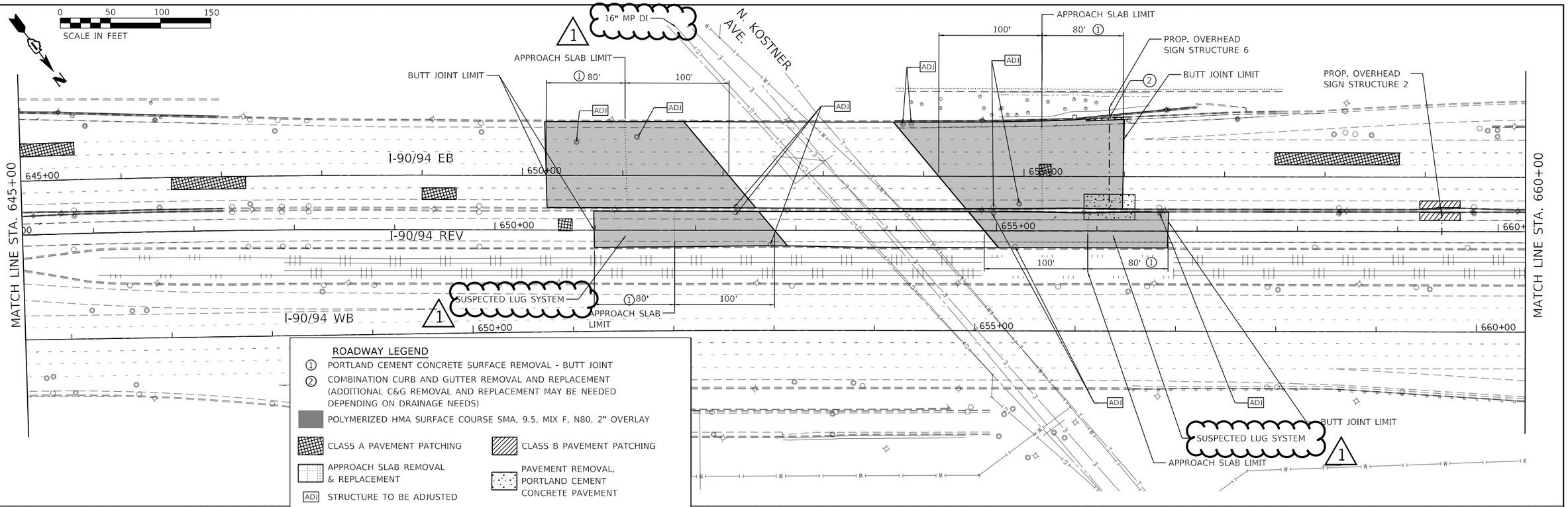
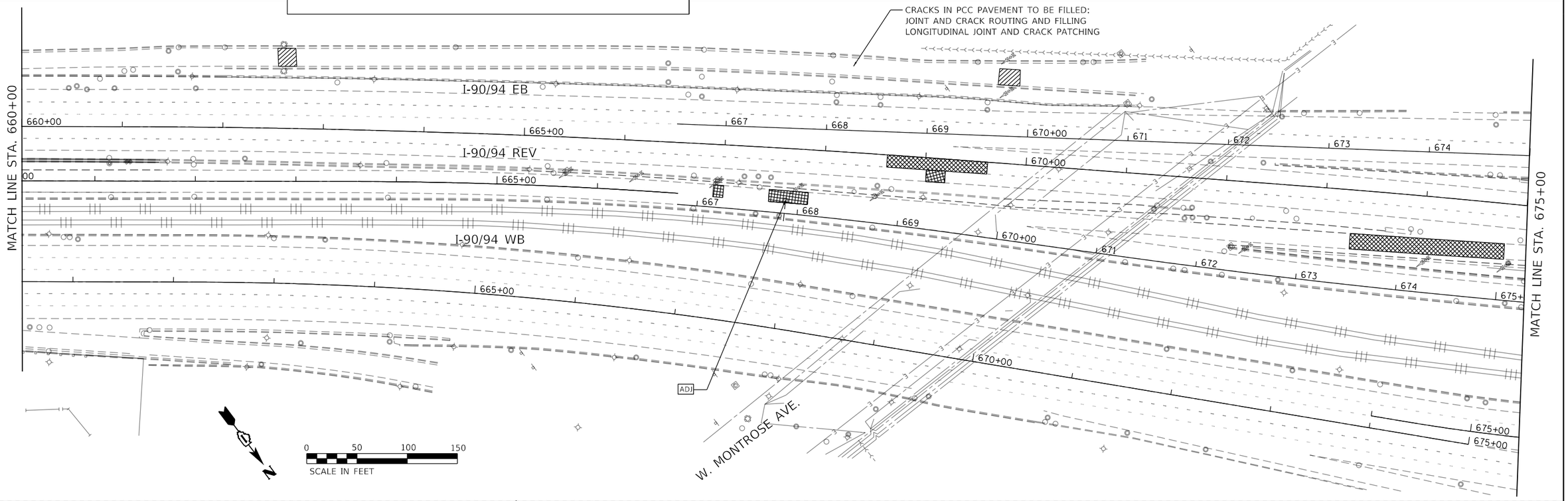
	PLOT DATE = $DATE$	DATE -	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.			ILLINOIS	FED. AID PROJECT	

MODEL: $MODELNAME$
FILE NAME: $FILEL$

1 REV. 1/10/23





MODEL: $MODELNAME$
FILE NAME: $FILE$

GRĀEF
8501 W. Higgins Road Suite 280
Chicago, Illinois 60631; (773) 399-0112

USER NAME = $USER$	DESIGNED - JLA	REVISED - 1 01/06/2023	
	DRAWN - NRM	REVISED -	
PLOT SCALE = $SCALE$	CHECKED - PMJ	REVISED -	
PLOT DATE = $DATE$	DATE -	REVISED -	

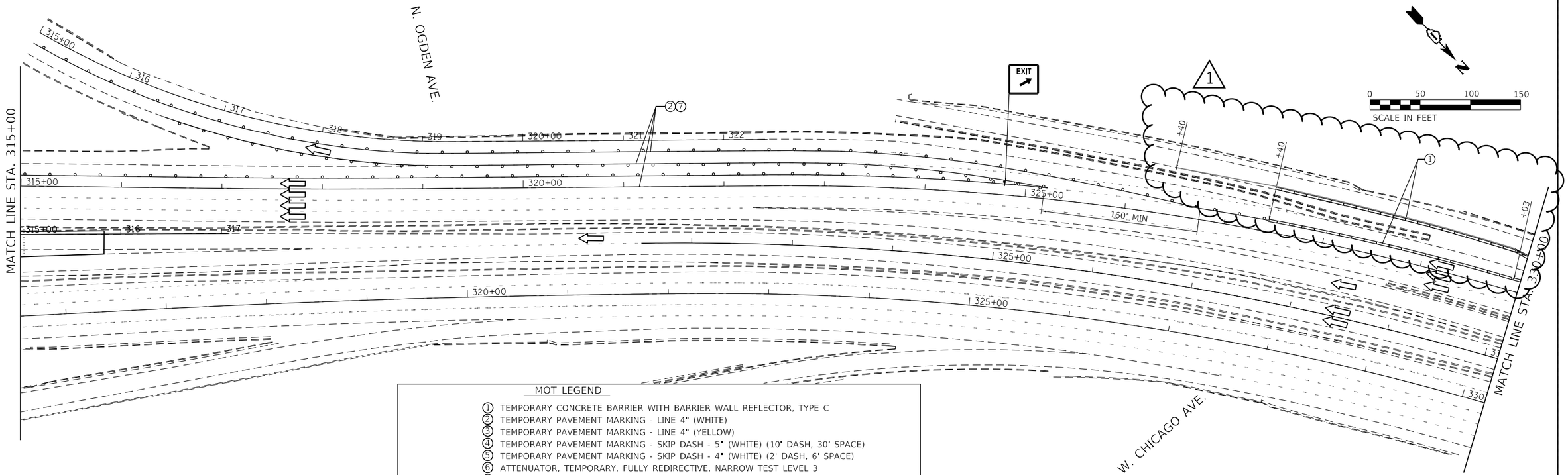
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY PLAN
SB/REV INTERSTATE 90/94 (KENNEDY EXPY)

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	2020-004-BR	COOK	1492	85
		CONTRACT NO. 62K74		
		ILLINOIS	FED. AID PROJECT	

1 REV. 1/10/23



MOT LEGEND

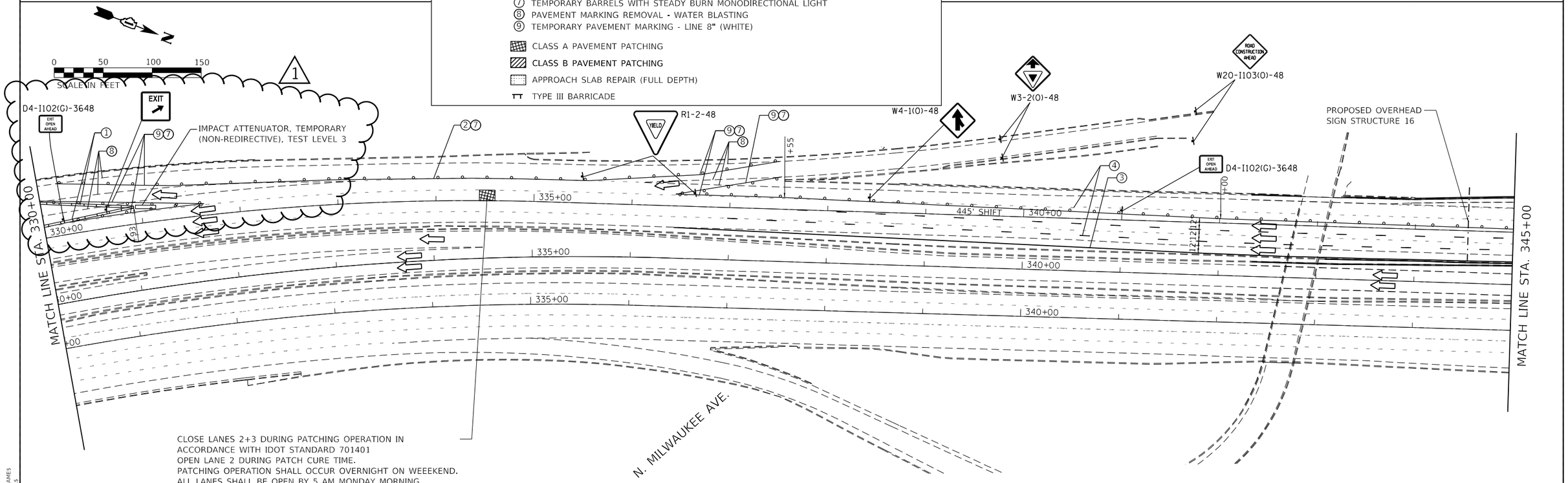
1. TEMPORARY CONCRETE BARRIER WITH BARRIER WALL REFLECTOR, TYPE C
2. TEMPORARY PAVEMENT MARKING - LINE 4" (WHITE)
3. TEMPORARY PAVEMENT MARKING - LINE 4" (YELLOW)
4. TEMPORARY PAVEMENT MARKING - SKIP DASH - 5" (WHITE) (10' DASH, 30' SPACE)
5. TEMPORARY PAVEMENT MARKING - SKIP DASH - 4" (WHITE) (2' DASH, 6' SPACE)
6. ATTENUATOR, TEMPORARY, FULLY REDIRECTIVE, NARROW TEST LEVEL 3
7. TEMPORARY BARRELS WITH STEADY BURN MONODIRECTIONAL LIGHT
8. PAVEMENT MARKING REMOVAL - WATER BLASTING
9. TEMPORARY PAVEMENT MARKING - LINE 8" (WHITE)

CLASS A PAVEMENT PATCHING

CLASS B PAVEMENT PATCHING

APPROACH SLAB REPAIR (FULL DEPTH)

TYPE III BARRICADE



CLOSE LANES 2+3 DURING PATCHING OPERATION IN ACCORDANCE WITH IDOT STANDARD 701401
OPEN LANE 2 DURING PATCH CURE TIME.
PATCHING OPERATION SHALL OCCUR OVERNIGHT ON WEEEKEND.
ALL LANES SHALL BE OPEN BY 5 AM MONDAY MORNING.

MODEL: $MODELNAME$
FILE NAME: $FILE$

GRĀEF
8501 W. Higgins Road; Suite 280
Chicago, Illinois 60631; (773) 399-0112

USER NAME = $USER$	DESIGNED - JLA	REVISED - 1 01/06/2023	
	DRAWN - NRM	REVISED -	
PLOT SCALE = $SCALE$	CHECKED - PMJ	REVISED -	
PLOT DATE = $DATE$	DATE -	REVISED -	

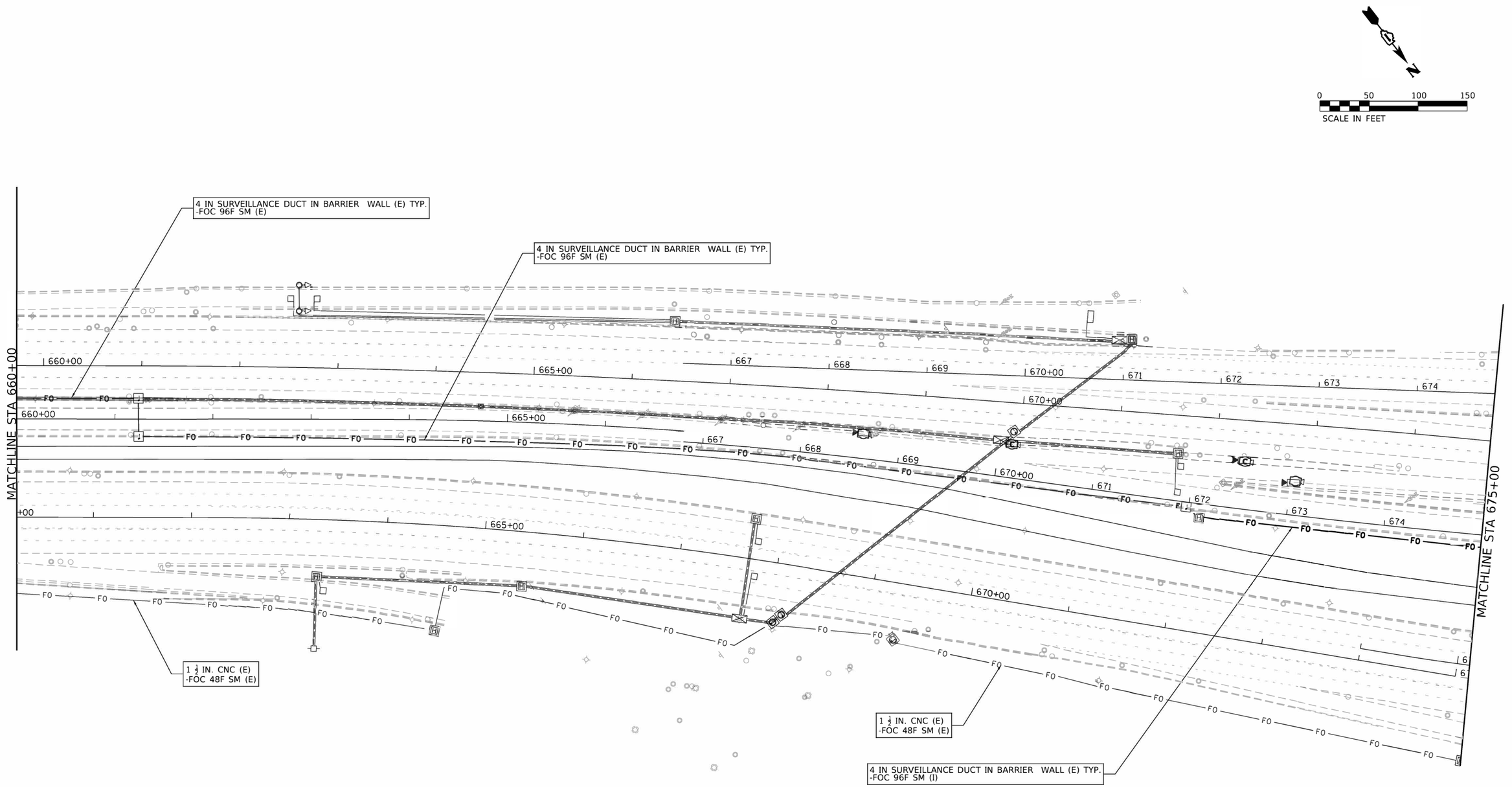
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUGGESTED MOT STAGE 2
SB/REV INTERSTATE 90/94 (KENNEDY EXPY)

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	2020-004-BR	COOK	1492	157
		CONTRACT NO. 62K74		
	ILLINOIS FED. AID PROJECT			

1 REV. 1/10/23



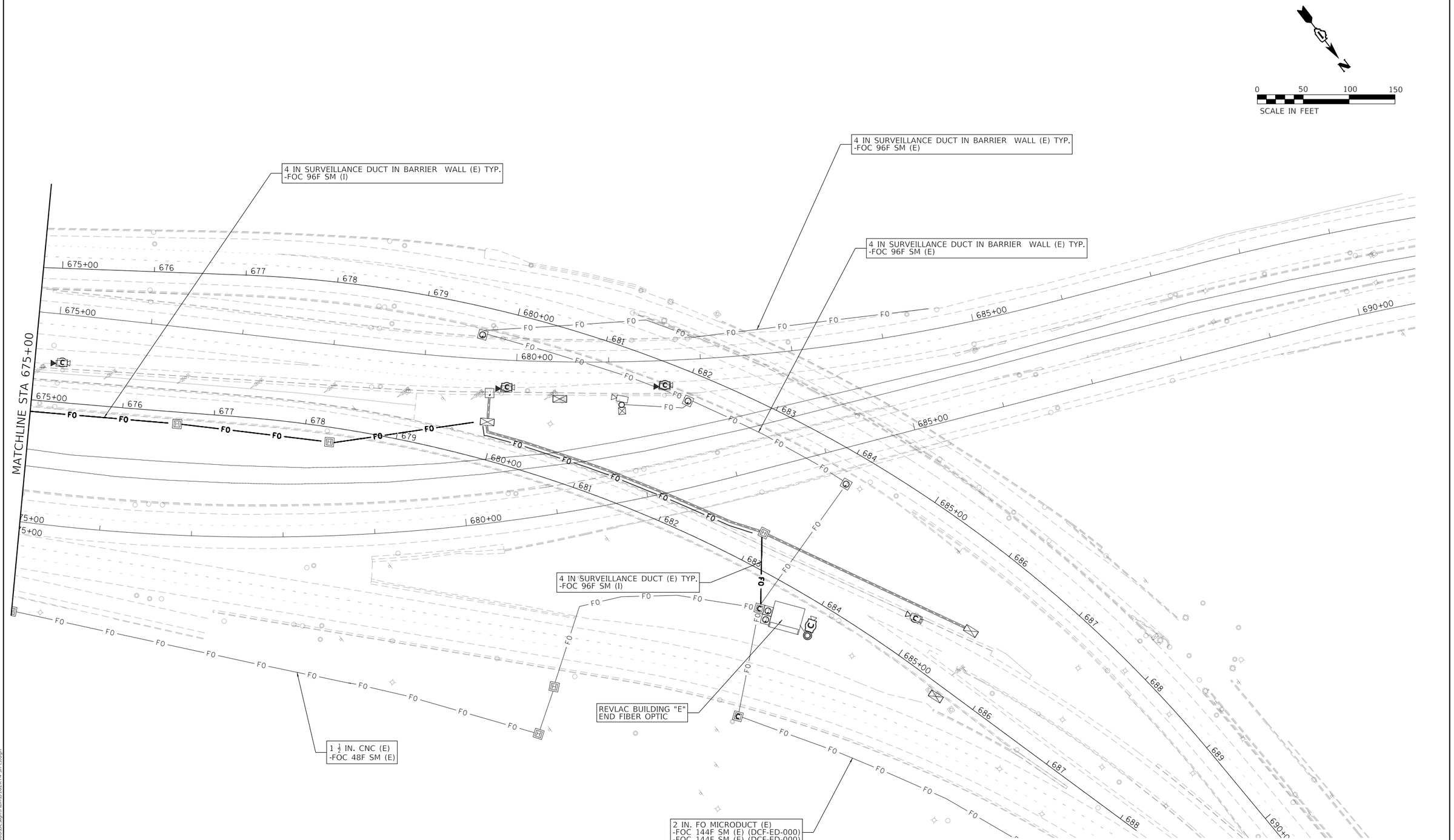
1 ENTIRE SHEET REVISED

MODEL: Sheet 26
FILE NAME: J:\2021\6083\Cadd\Design\PlanID162K74-sh-ts.dgn

ABNA DESIGN FIRM REG. 184.002117 — 745 McClintock Drive, Suite 210, Burr Ridge, IL 60527, Ph. 773-881-4788, Fax: 773-239-3728	USER NAME = $USER$	DESIGNED -	REVISED - 1 1/6/23 HH	**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**	**PROPOSED ITS PLAN I–90/94**
		DRAWN -	REVISED -		
	PLOT SCALE = $SCALE$	CHECKED -	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.
	PLOT DATE = 12/28/2022	DATE -	REVISED -		

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2020-004-BR	COOK	1492	287
		CONTRACT NO. 62K74		
		ILLINOIS	FED. AID PROJECT	

1 REVISED ENTIRE SHEET 1/10/23



1 ENTIRE SHEET REVISED

MODEL: Sheet 27
FILE NAME: n:\2021\16083\Cadd\Design\Plan\D162K74-sh-ts.dgn

ABNA DESIGN FIRM REG. 184.002117
745 McClintock Drive
Suite 210
Burr Ridge, IL 60527
Ph. 773-881-4788
Fax: 773-239-3728

USER NAME = $USER$	DESIGNED -	REVISED - 1 1/6/23 HH
	DRAWN -	REVISED -
PLOT SCALE = $SCALE$	CHECKED -	REVISED -
PLOT DATE = 12/28/2022	DATE -	REVISED -

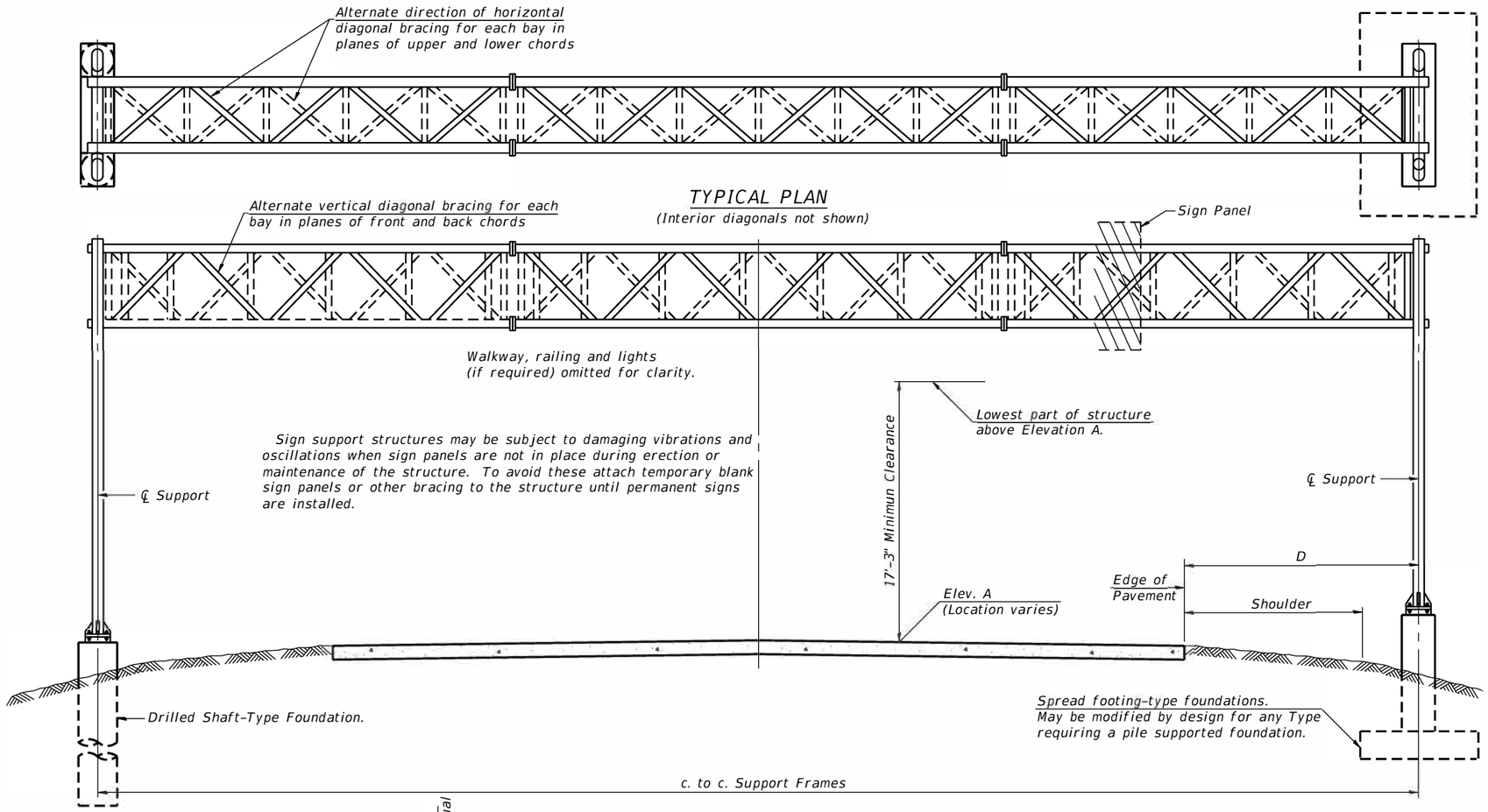
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

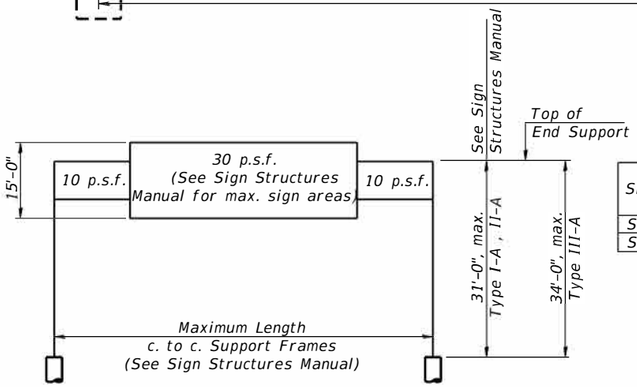
PROPOSED ITS PLAN
I-90/94

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2020-004-BR	COOK	1492	288
		CONTRACT NO. 62K74		
	ILLINOIS FED. AID PROJECT			

1 REVISED ENTIRE SHEET 1/10/23





DESIGN WIND LOADING DIAGRAM

Parameters shown are basis for I.D.O.T. Standards and Sign Manual Tables. Installations not within dimensional limits shown require special analysis for all components.

TYPICAL ELEVATION

(Looking at Face of Signs**)

Elev. A = Elevation at point of minimum clearance to sign, walkway support or truss.

Sign #	Structure Number	Station (SB Baseline)	Design Truss Type	c. to c. Supports	Elev. A	*** Dim. D	Height of Tallest Sign	Total Sign Area
Sign 9	1S016I094R048.1	425+40.12	I-A	83'-0"	600.41	10'-6 1/8"±	11'-6"	490.75 Sq. Ft.
Sign 8	1S016I094R047.3	471+82.88	I-A	86'-0"	606.85	10'-9 1/8"±	11'-0"	492 Sq. Ft.

**Looking upstation for structures with signs both sides.

*** For Sign 9 Layout See Sheet 0SG3-02
For Sign 8 Layout See Sheet 0SG3-03

* If M270 Gr. 50W (M222) steel is proposed, chemistry for plate to be used shall first be approved by the Engineer as suitable for galvanizing and welding.

STATE OF ILLINOIS
MOUSSA A. ISSA
081-005738
CHICAGO, ILLINOIS
LICENSED STRUCTURAL ENGINEER

Signed Moussa A. Issa
Dr. Moussa A. Issa, S.E. Il. Lic. No. 081-005738
Expires 11-30-2024
Date 12/05/2022
FOR SHEETS OSG3-01 THRU OSG3-18
(TOTAL OF 18 SHEETS)

GENERAL NOTES

DESIGN: AASHTO Standard Specifications for Structural Supports for Highway Signs, Luminaires and Traffic Signals. ("AASHTO Specifications")

CONSTRUCTION: Current (at time of letting) Illinois Department of Transportation Standard Specifications for Road and Bridge Construction, Supplemental Specifications and Special Provisions. ("Standard Specifications")

LOADING: 90 M.P.H. WIND VELOCITY

WALKWAY LOADING: Dead load plus 500 lbs. concentrated live load.

DESIGN STRESSES:
Field Units
f'c = 3,500 p.s.i.
fy = 60,000 p.s.i. (reinforcement)

WELDING: All welds to be continuous unless otherwise shown. All welding to be done in accordance with current AWS D1.1 and D1.2 Structural Welding Codes (Steel and Aluminum) and the Standard Specificiations.

MATERIALS: Aluminum Alloys as shown throughout plans. All Structural Steel Pipe shall be ASTM A53 Grade B or A500 Grade B or C. If A500 pipe is substituted for A53, then the outside diameter shall be as detailed and wall thickness greater than or equal to A53. All Structural Steel Plates and Shapes shall conform to AASHTO M270 Gr. 36, Gr. 50 or Gr. 50W*. Stainless steel for shims, sleeves and handhole covers shall be ASTM A240, Type 302 or 304, or another alloy suitable for exterior exposure and acceptable to the Engineer.
The steel pipe and stiffening ribs at the base plate for the column shall have a minimum longitudinal Charpy V-Notch (CVN) energy of 15 lb.-ft. at 40° F. (Zone 2) before galvanizing.

FASTENERS FOR ALUMINUM TRUSSES: All bolts noted as "high strength" must satisfy the requirements of AASHTO M164 (ASTM A325), or approved alternate, and must have matching lock nuts. Threaded studs for splices (if Members interfere) must satisfy the requirements of ASTM A449, ASTM A193, Grade B7, or approved alternate, and must have matching lock nuts. Bolts and lock nuts not required to be high strength must satisfy the requirements of ASTM A307. All bolts and lock nuts must be hot dip galvanized per AASHTO M232. The lock nuts must have nylon or steel inserts. A stainless steel flat washer conforming to ASTM A240 Type 302 or 304, is required under both head and nut or under both nuts where threaded studs are used. High strength bolt installation shall conform to Article 505.04 (f) (2)d of the IDOT Standard Specifications for Road and Bridge Construction. Rotational capacity ("ROCAP") testing of bolts will not be required.

U-BOLTS AND EYEBOLTS: U-Bolts and Eyebolts must be produced from ASTM A276 Type 304, 304L, 316 or 316L, Condition A, cold finished stainless steel, or an equivalent material acceptable to the Engineer. All nuts for U-Bolts and Eyebolts must be lock nuts equivalent to ASTM A307 with nylon or steel inserts and hot dip galvanized per AASHTO M232. A stainless steel flat washer conforming to ASTM A240, Type 302 or 304, is required under each U-Bolt and Eyebolt lock nut.

GALVANIZING: All Steel Grating, Plates, Shapes and Pipe shall be Hot Dip Galvanized after fabrication in accordance with AASHTO M111. Painting is not permitted.

ANCHOR RODS: Shall conform to ASTM F1554 Gr. 105.

CONCRETE SURFACES: All concrete surfaces above an elevation 6" below the lowest final ground line at each foundation shall be cleaned and coated with Concrete Sealer in accordance with the Standard Specifications.

REINFORCEMENT BARS: Reinforcement Bars designated (E) shall be epoxy coated in accordance with the Standard Specifications.

FOUNDATIONS: The contract unit price for Concrete Foundations and Drilled Shaft Concrete Foundations shall include reinforcement bars complete in place.

TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
Concrete Barrier Removal	Foot	88
Concrete Barrier Transition	Foot	66
Overhead Sign Structure - Span, Type I-A (4'-0" X 4'-6")	Foot	169
Drilled Shaft Concrete Foundations	Cu Yd	67
Remove Overhead Sign Structure - Span	Each	2.0

1

0S-A-1 2-17-2017

HBM ENGINEERING GROUP, LLC

USER NAME =	DESIGNED - SK	REVISED - 1 01/06/2023 JMI, LAB	
	CHECKED - MI	REVISED -	
PLOT SCALE =	DRAWN - SK	REVISED -	
PLOT DATE =	DATE - 12/29/2022	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

OVERHEAD SIGN STRUCTURES - GENERAL PLAN & ELEVATION - ALUMINUM TRUSS & STEEL SUPPORTS

SHEET OSG3-01 OF OSG3-18 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2020-004-BR	COOK	1492	332
		CONTRACT NO. 62K74		
	ILLINOIS FED. AID PROJECT			

1 REV. 1/10/23

MODEL: Default
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12/29/2022 9:05:24 AM

Geo Services, Inc.
Geotechnical, Environmental & Civil Engineering
805 Amherst Court, Suite 204
Naperville, Illinois 60565
(630) 355-2848

SOIL BORING LOG

GSI Job No. 19079-B
Page 1 of 1
Date 11/8/21

PROJECT PTB 185-012, WO #32
LOCATION I-90 & I-94 Tollway
COUNTY Cook **DRILLING METHOD** Hollow Stem Auger **HAMMER TYPE** CME Automatic

CLIENT HBM
BORING NO. OSB-10
Northing 1922177
Easting 1152177
Ground Surface Elev. 597.1 ft

Surface Water Elev. ____ ft
Stream Bed Elev. ____ ft
Groundwater Elev.:
First Encounter Dry ft
Upon Completion Dry ft
After ____ Hrs. ____ ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	DRY DENSITY (pcf)	Soil Description
					12.0" CONCRETE
596.1					
	16				CRUSHED STONE-medium dense (Fill)
	10 5		5		
	9				
	20 5		9		
-5					
591.6					
	3				CLAY LOAM-brown & gray-stiff to very stiff
	4 7	2.30 B	21		
	1				
	3 3	1.50 P	24		
-10					
	2				
	3 3	1.00 B	23		
	2				becoming gray @ -13.0'
	6 4	1.50 B	12		
-15					
581.6					
	35				SILTY GRAVEL with Sand-gray-very dense
	22 50/2"		5		
579.1					
	50/0"				Drillers Observation: Concrete Fill
			NR		
-20					

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	DRY DENSITY (pcf)	Soil Description
					Drillers Observation: Concrete Fill *(continued)*
	50/0"				
			NR		
	50/0"				
			NR		
-25					
571.1					
					Auger Refusal @ -26.0'. End of Boring. 3 Attempts Made. Boring backfilled with cuttings.
-30					
-35					
-40					

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206), GP-Geoprobe Hand Auger BBS, from 137 (Rev. 8-99)

Geo Services, Inc.
Geotechnical, Environmental & Civil Engineering
805 Amherst Court, Suite 204
Naperville, Illinois 60565
(630) 355-2848

SOIL BORING LOG

GSI Job No. 19079-B
Page 1 of 1
Date 10/19/21

PROJECT PTB 185-012, WO #32
LOCATION I-90 & I-94 Tollway
COUNTY Cook **DRILLING METHOD** Hollow Stem Auger **HAMMER TYPE** CME Automatic

CLIENT HBM
BORING NO. OSB-11
Northing 1922232
Easting 1152239
Ground Surface Elev. 595.0 ft

Surface Water Elev. ____ ft
Stream Bed Elev. ____ ft
Groundwater Elev.:
First Encounter 580.0 ft ▼
Upon Completion ____ ft
After ____ Hrs. ____ ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	DRY DENSITY (pcf)	Soil Description
					10.0" CONCRETE
594.2					
	31				CRUSHED STONE-medium dense to dense (Fill)
	34 25		4		
	7				
	10 3		5		
-5					
	8				
	13 20		11		
	6				
	5 7		6		
-10					
584.5					
	4				CLAY LOAM-gray-medium stiff to hard(Fill)
	2 5	0.50 P	24		
	5				
	15 17	4.50 P	13		
▼-15					
579.5					
	50/0"				SILTY GRAVEL & STONE-very dense (Fill)
			NR		
	50/1"				
			18		
-20					

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	DRY DENSITY (pcf)	Soil Description
	50/0"				SILTY GRAVEL & STONE-very dense (Fill) *(continued)*
			NR		
572.5					
					Auger Refusal @ -22.5'. 3 Attempts Made. End Of Boring. Boring backfilled with cuttings.
-25					
-30					
-35					
-40					

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206), GP-Geoprobe Hand Auger BBS, from 137 (Rev. 8-99)

Z:\PROJECTS\2019\19079-B EFK, IDOT 192-007-WO#15 KENNEDY PROJECTS 62K73&62K74\19079-B BORING LOGS\19079-B_LOG.GPJ 12/9/21

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HBM ENGINEERING GROUP, LLC	USER NAME =	DESIGNED - SK	REVISED - 1 01/06/2023 JMI, LAB	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BORING LOGS II I_SN 1S016I094R045.4 (SIGN 12)
		CHECKED - MI, LAB	REVISED -		SHEET OSG2-24 OF OSG2-25 SHEETS
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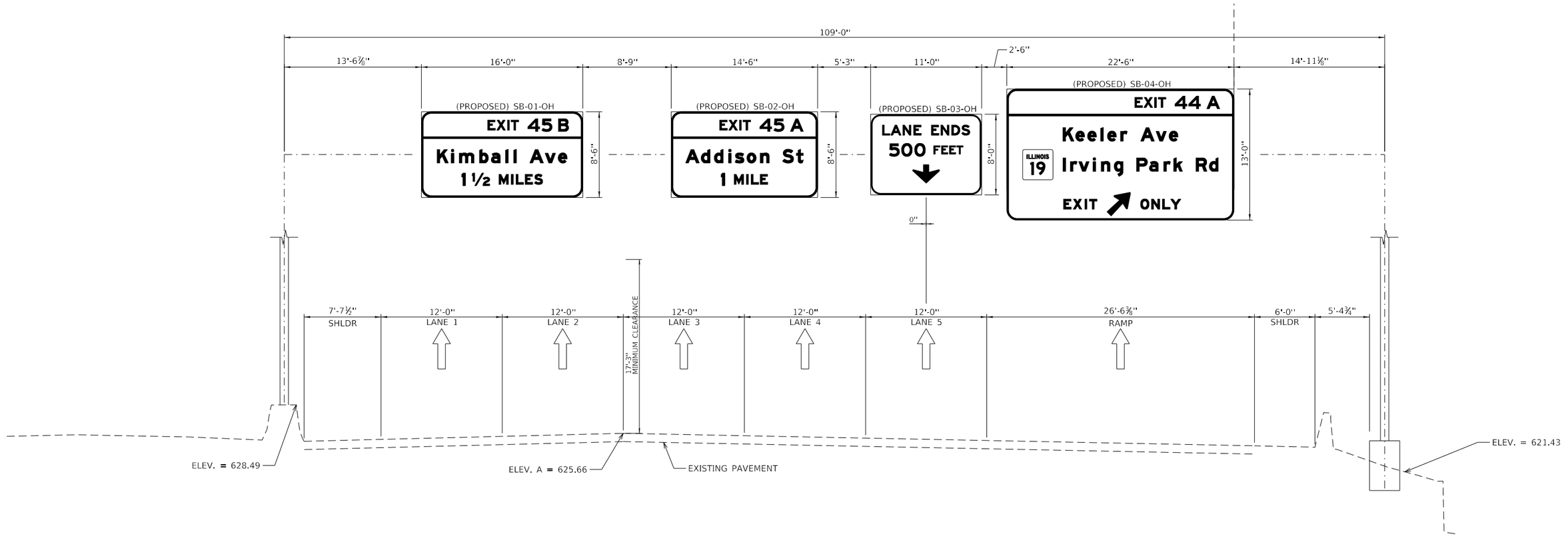
	PLOT DATE =	DATE - 12/29/2022	REVISED -		

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2020-004-BR	COOK	1492	373
		CONTRACT NO. 62K74		
	ILLINOIS FED. AID PROJECT			

1 REV. 1/10/23



SIGN 1 STA 644+79.47 - PROPOSED SIGN TRUSS MOUNT

(1S016I094R044.2)

NOTES:

1. SEE SHEET NO. 454 TO 463 FOR OVERHEAD SIGN PANEL DETAILS
2. FINAL ELEVATION OF CENTERLINE OF TRUSS TO BE DETERMINED BY SIGN TRUSS DESIGNER
3. ALL HORIZONTAL DIMENSIONS ARE MEASURED ALONG ℄ OF TRUSS

PARSONS
PARSONS TRANSPORTATION GROUP
ENGINEERS & PLANNERS
10 SOUTH RIVERSIDE PLAZA, SUITE 600
CHICAGO, IL 60606
Telephone: 312/930-6100
Fax: 312/930-0678

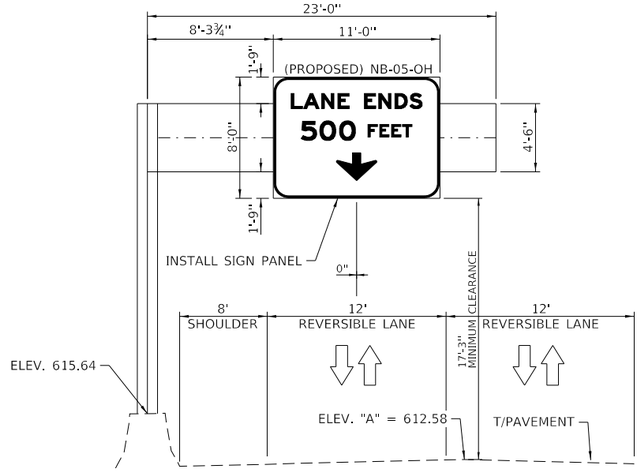
USER NAME = 35361	DESIGNED - RP	REVISED -
	CHECKED - CSP	REVISED -
PLOT SCALE =	DRAWN - RP	REVISED -
PLOT DATE = 12/29/2022	DATE - 08/26/2022	REVISED -1/6/2023 ⚠1 ADDENDUM

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

OVERHEAD SIGN STRUCTURES
SIGN PANEL PLACEMENT
SHEET OF SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2020-004-BR	COOK	1492	464
		CONTRACT NO. 62K74		
	ILLINOIS FED. AID PROJECT			

⚠1 REV. 1/10/23



SIGN 2 STA 659+43.87 (REV) - PROPOSED SIGN TRUSS MOUNT

(1C016I094L043.7)

NOTES:

1. SEE SHEET NO. 454 TO 463 FOR OVERHEAD SIGN PANEL DETAILS
2. FINAL ELEVATION OF CENTERLINE OF TRUSS TO BE DETERMINED BY SIGN TRUSS DESIGNER
3. ALL HORIZONTAL DIMENSIONS ARE MEASURED ALONG ℄ OF TRUSS

PARSONS
PARSONS TRANSPORTATION GROUP
ENGINEERS & PLANNERS
10 SOUTH RIVERSIDE PLAZA, SUITE 400
CHICAGO IL 60606
Telephone: 312-930-6100
Fax: 312-930-0018

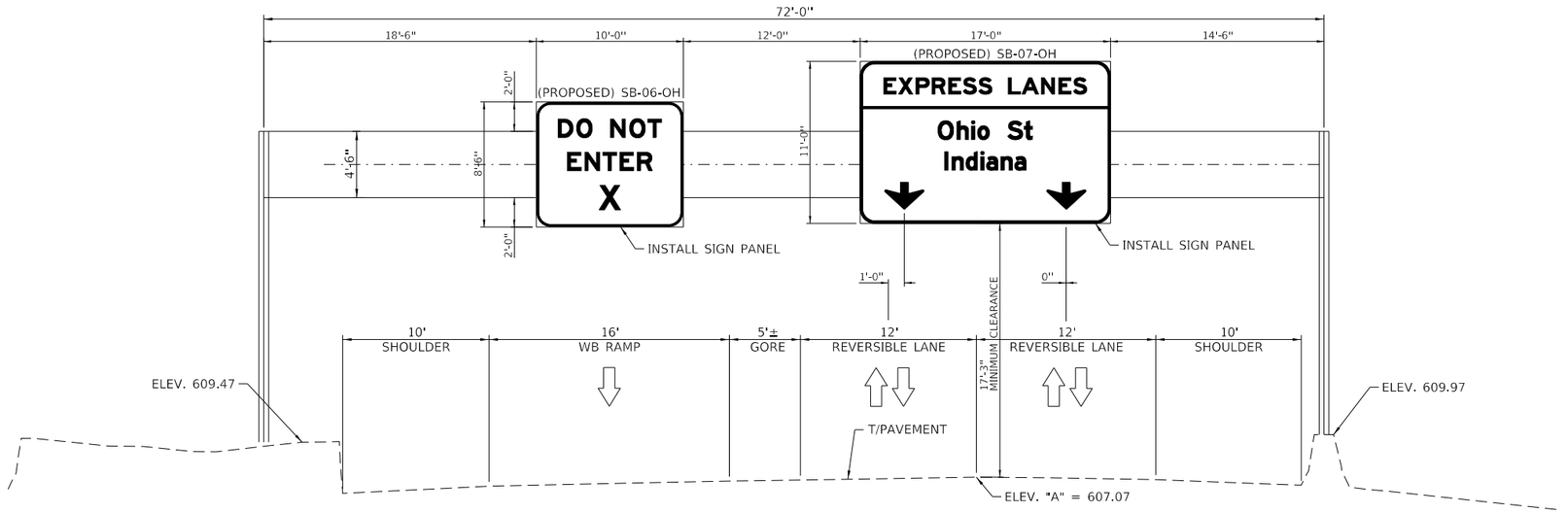
USER NAME = 35361	DESIGNED - RP	REVISED -
	CHECKED - CSP	REVISED -
PLOT SCALE =	DRAWN - RP	REVISED -
PLOT DATE = 12/29/2022	DATE - 08/26/2022	REVISED - 1/6/2023 ⚠1 ADDENDUM

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

OVERHEAD SIGN STRUCTURES
SIGN PANEL PLACEMENT
SHEET OF SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2020-004-BR	COOK	1492	465
		CONTRACT NO. 62K74		
	ILLINOIS FED. AID PROJECT			

⚠1 REV. 1/10/23



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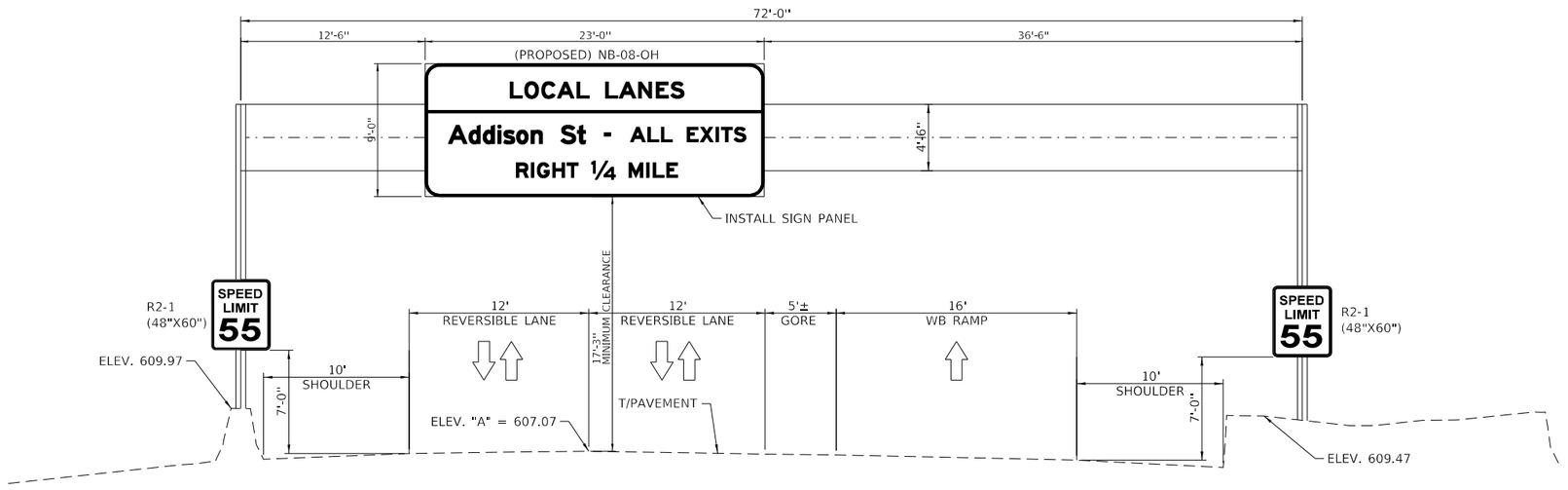
(1S016I094L046.8)



SIGN 3 STA 496+05.00 (REV) - PROPOSED SIGN TRUSS MOUNT (LOOKING NORTH)

(1S016I094L046.8)

NOTES:

1. SEE SHEET NO. 454 TO 463 FOR OVERHEAD SIGN PANEL DETAILS
2. FINAL ELEVATION OF CENTERLINE OF TRUSS TO BE DETERMINED BY SIGN TRUSS DESIGNER
3. ALL HORIZONTAL DIMENSIONS ARE MEASURED ALONG ℄ OF TRUSS

PARSONS
PARSONS TRANSPORTATION GROUP
ENGINEERS & PLANNERS
10 SOUTH RIVERSIDE PLAZA, SUITE 400
CHICAGO IL 60606
Telephone: 312/456-6100
Fax: 312/456-6019

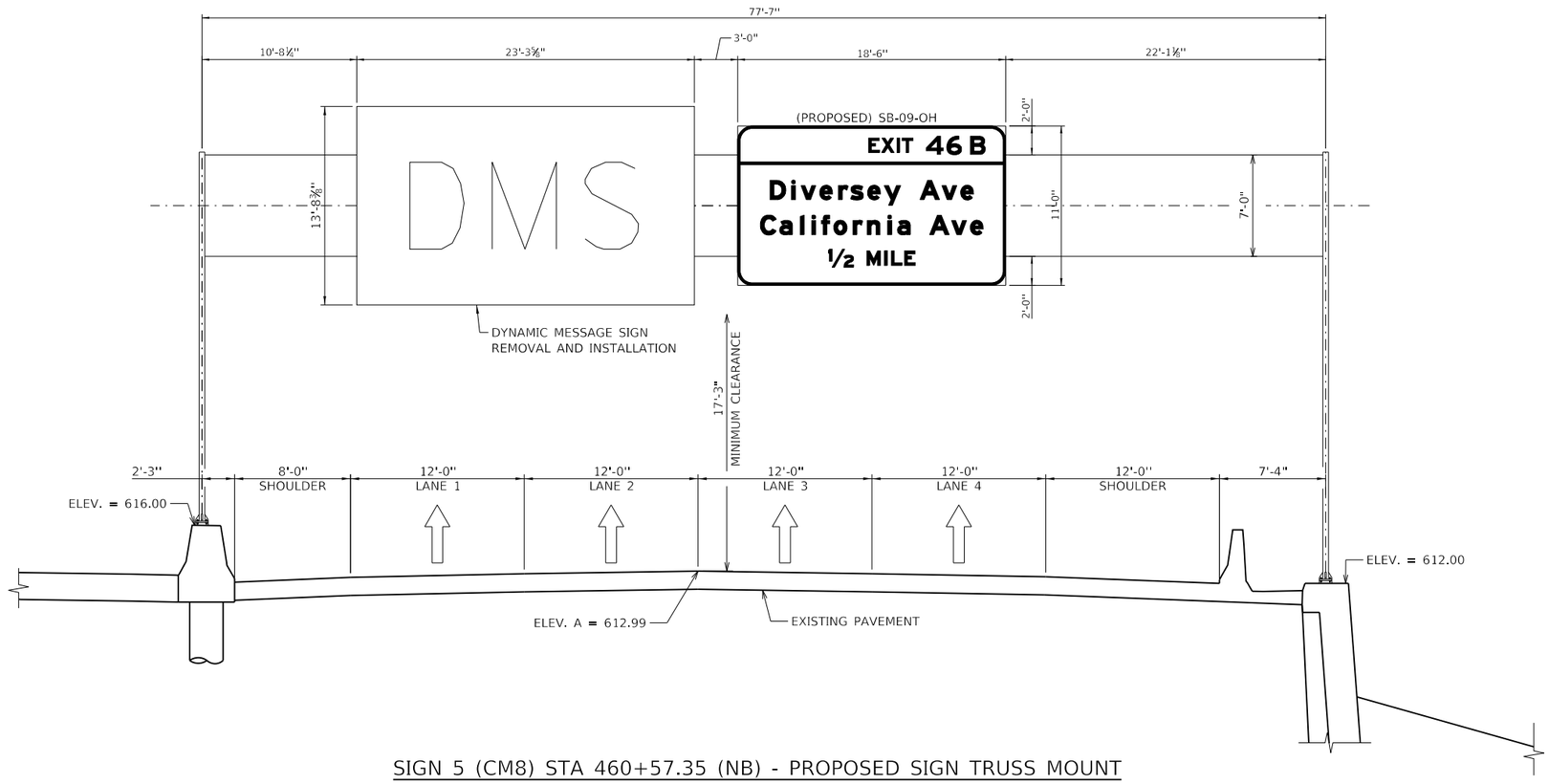
USER NAME = 35361	DESIGNED - RP	REVISED -
	CHECKED - CSP	REVISED -
PLOT SCALE =	DRAWN - RP	REVISED -
PLOT DATE = 12/29/2022	DATE - 08/26/2022	REVISED -1/6/2023 ⚠1 ADDENDUM

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

OVERHEAD SIGN STRUCTURES
SIGN PANEL PLACEMENT
SHEET OF SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2020-004-BR	COOK	1492	466
		CONTRACT NO. 62K74		
	ILLINOIS FED. AID PROJECT			

⚠1 REV. 1/10/23



SIGN 5 (CM8) STA 460+57.35 (NB) - PROPOSED SIGN TRUSS MOUNT

(1S016I094L047.5)

NOTES:

1. SEE SHEET NO. 454 TO 463 FOR OVERHEAD SIGN PANEL DETAILS
2. FINAL ELEVATION OF CENTERLINE OF TRUSS TO BE DETERMINED BY SIGN TRUSS DESIGNER
3. EXISTING DMS SIGNS TO BE REMOVED, STORED, AND RELOCATED TO THE LOCATION SHOWN
4. ALL HORIZONTAL DIMENSIONS ARE MEASURED ALONG ~ OF TRUSS

PARSONS
PARSONS TRANSPORTATION GROUP
ENGINEERS & PLANNERS
10 SOUTH RIVERSIDE PLAZA, SUITE 400
CHICAGO, IL 60606
Telephone: 312/930-6100
Fax: 312/930-0018

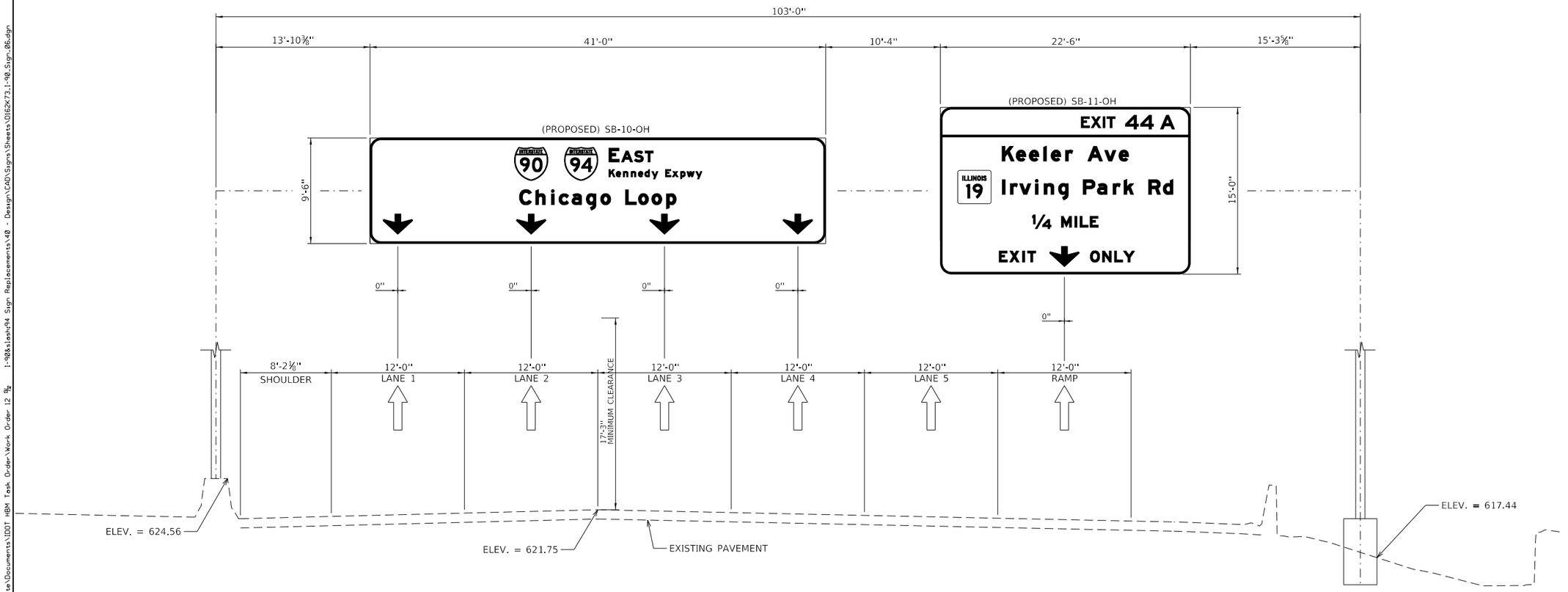
USER NAME = 35361	DESIGNED - RP	REVISED -
	CHECKED - CSP	REVISED -
PLOT SCALE =	DRAWN - RP	REVISED -
PLOT DATE = 12/29/2022	DATE - 08/26/2022	REVISED - 1/6/2023 ⚠1 ADDENDUM

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

OVERHEAD SIGN STRUCTURES
SIGN PANEL PLACEMENT
SHEET 1 OF 4 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2020-004-BR	COOK	1492	467
		CONTRACT NO. 62K74		
		ILLINOIS	FED. AID PROJECT	

⚠1 REV. 1/10/23



SIGN 6 STA 655+85.00 (SB) - PROPOSED SIGN TRUSS MOUNT

(1S016I094R043.8)

NOTES:

1. SEE SHEET NO. 454 TO 463 FOR OVERHEAD SIGN PANEL DETAILS
2. FINAL ELEVATION OF CENTERLINE OF TRUSS TO BE DETERMINED BY SIGN TRUSS DESIGNER
3. ALL HORIZONTAL DIMENSIONS ARE MEASURED ALONG ℄ OF TRUSS

PARSONS
PARSONS TRANSPORTATION GROUP
ENGINEERS & PLANNERS
10 SOUTH RIVERSIDE PLAZA, SUITE 400
CHICAGO IL 60606
Telephone 312-930-6100
Fax 312-930-0018

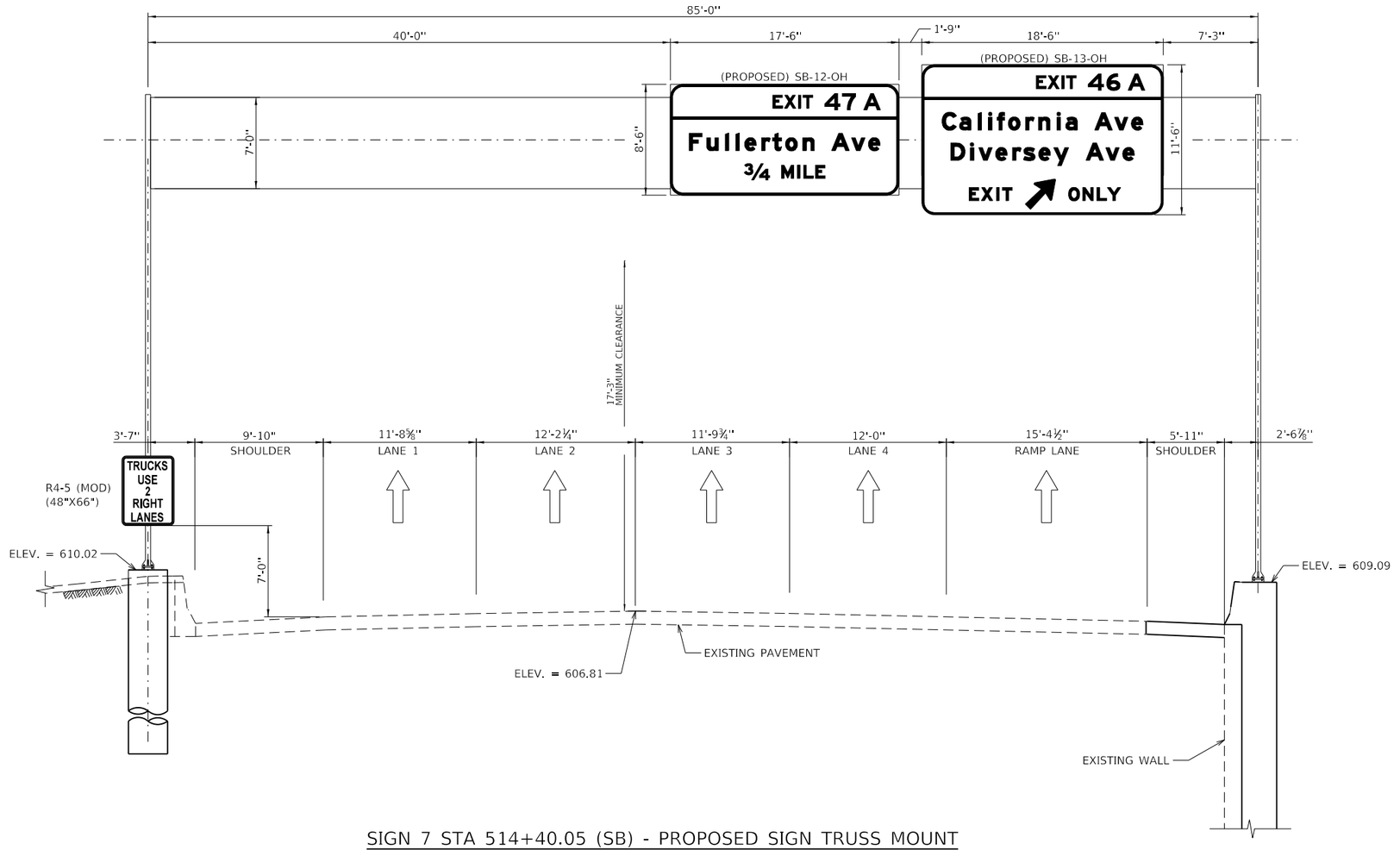
USER NAME = 35361	DESIGNED - RP	REVISED -
	CHECKED - CSP	REVISED -
PLOT SCALE =	DRAWN - RP	REVISED -
PLOT DATE = 12/29/2022	DATE - 08/26/2022	REVISED - 1/6/2023 ⚠1 ADDENDUM

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

OVERHEAD SIGN STRUCTURES
SIGN PANEL PLACEMENT
SHEET OF SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2020-004-BR	COOK	1492	468
		CONTRACT NO. 62K74		
	ILLINOIS FED. AID PROJECT			

⚠1 REV. 1/10/23



SIGN 7 STA 514+40.05 (SB) - PROPOSED SIGN TRUSS MOUNT

(1S016I09R046.4)

NOTES:

1. SEE SHEET NO. 454 TO 463 FOR OVERHEAD SIGN PANEL DETAILS
2. FINAL ELEVATION OF CENTERLINE OF TRUSS TO BE DETERMINED BY SIGN TRUSS DESIGNER
3. ALL HORIZONTAL DIMENSIONS ARE MEASURED ALONG ℄ OF TRUSS

FILE NAME = p:\\VANVA01PWINT01.Parsons.com\Illinois State\Documents\IDOT HBM Task Order\Work Order 12 %_ I-90&slash;94 Sign Replacements\40 - Design\CAD\Signs\Sheets\D162K73_I-90_Sign_07.dgn

PARSONS
PARSONS TRANSPORTATION GROUP
ENGINEERING & PLANNING
10 SOUTH RIVERSIDE PLAZA, SUITE 400
CHICAGO IL 60606
Telephone: 312-606-6100
Fax: 312-930-0018

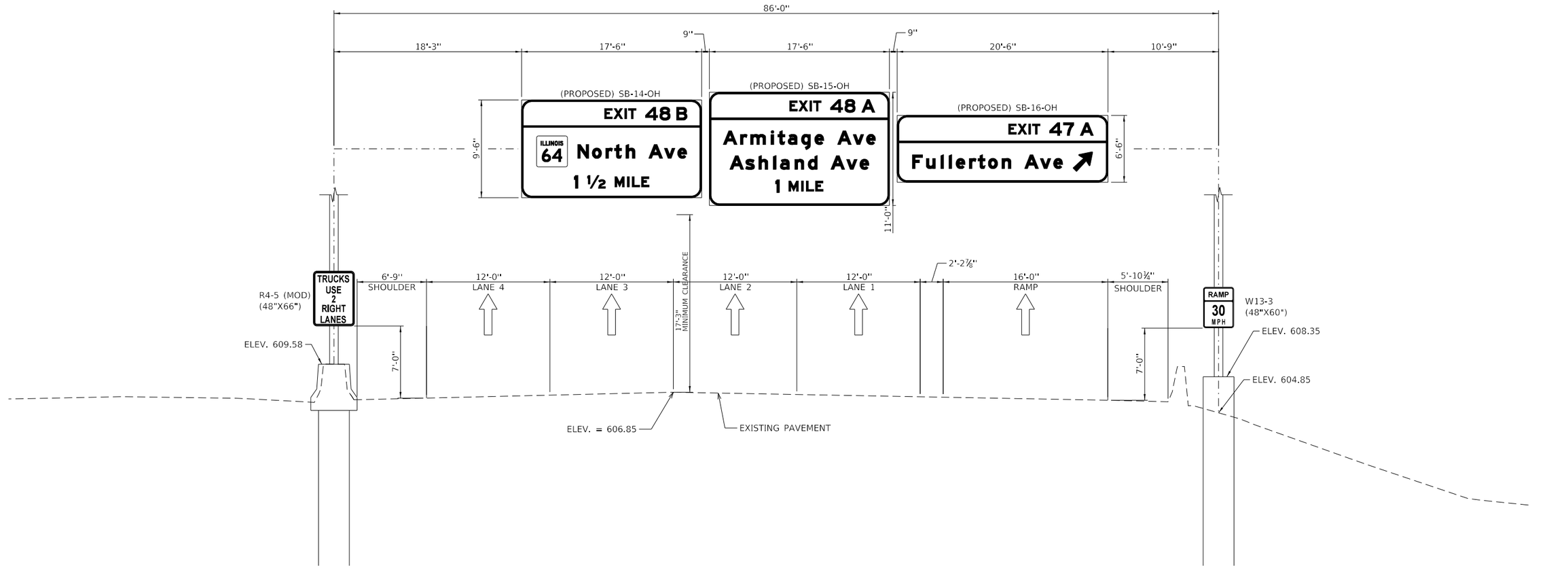
USER NAME = 35361	DESIGNED - RP	REVISED -
	CHECKED - CSP	REVISED -
PLOT SCALE =	DRAWN - RP	REVISED -
PLOT DATE = 12/29/2022	DATE - 08/26/2022	REVISED - 1/6/2023 ⚠1 ADDENDUM

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

OVERHEAD SIGN STRUCTURES
SIGN PANEL PLACEMENT
SHEET OF SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2020-004-BR	COOK	1492	469
		CONTRACT NO. 62K74		
	ILLINOIS FED. AID PROJECT			

⚠1 REV. 1/10/23



SIGN 8 STA 471+82.88 (SB) - PROPOSED SIGN TRUSS MOUNT

(1S016I094R047.3)

NOTES:

1. SEE SHEET NO. 454 TO 463 FOR OVERHEAD SIGN PANEL DETAILS
2. FINAL ELEVATION OF CENTERLINE OF TRUSS TO BE DETERMINED BY SIGN TRUSS DESIGNER
3. ALL HORIZONTAL DIMENSIONS ARE MEASURED ALONG ℄ OF TRUSS

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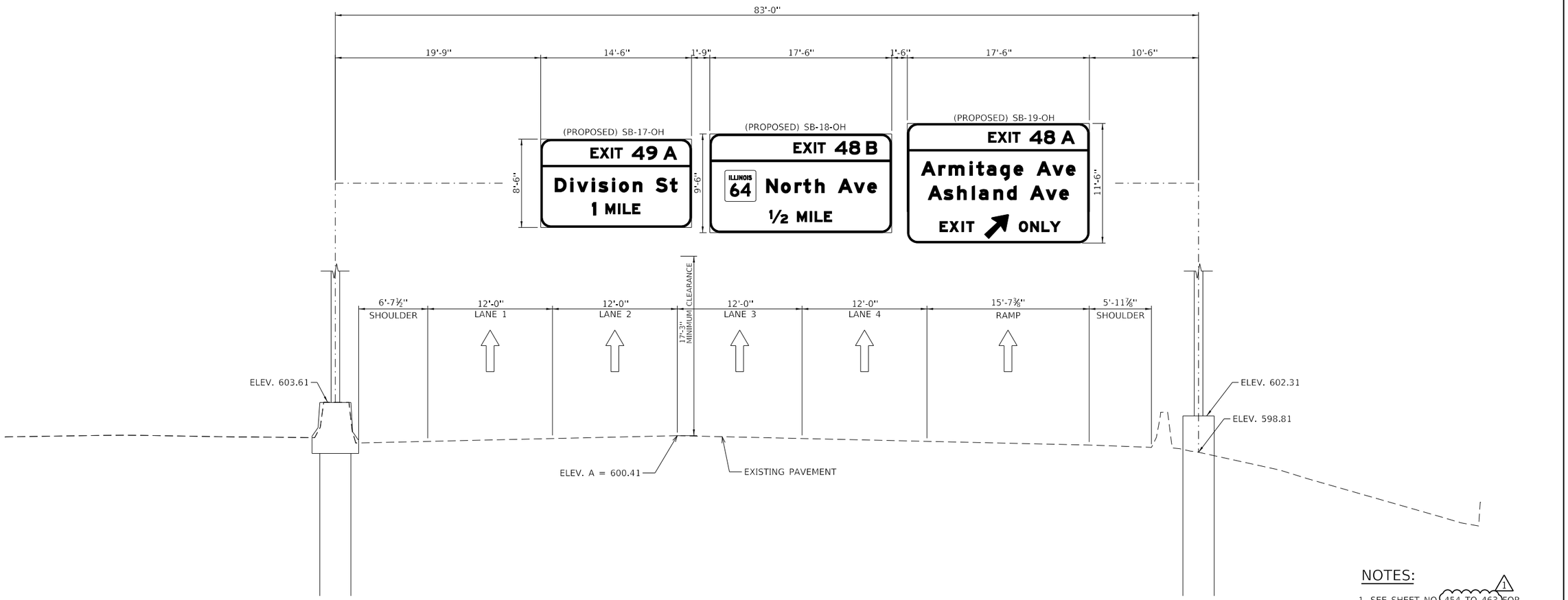
USER NAME = 35361	DESIGNED - RP	REVISED -
	CHECKED - CSP	REVISED -
PLOT SCALE =	DRAWN - RP	REVISED -
PLOT DATE = 12/29/2022	DATE - 08/26/2022	REVISED - 1/6/2023 ⚠1 ADDENDUM

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

OVERHEAD SIGN STRUCTURES
SIGN PANEL PLACEMENT
SHEET OF SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2020-004-BR	COOK	1492	470
		CONTRACT NO. 62K74		
		ILLINOIS FED. AID PROJECT		

⚠1 REV. 1/10/23



SIGN 9 STA 425+40.12 (SB) - PROPOSED SIGN TRUSS MOUNT

(1S016I094R048.1)

NOTES:

1. SEE SHEET NO. 454 TO 463 FOR OVERHEAD SIGN PANEL DETAILS
2. FINAL ELEVATION OF CENTERLINE OF TRUSS TO BE DETERMINED BY SIGN TRUSS DESIGNER
3. ALL HORIZONTAL DIMENSIONS ARE MEASURED ALONG ℄ OF TRUSS

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CHICAGO, IL 60606
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Fax: 312/930-0978

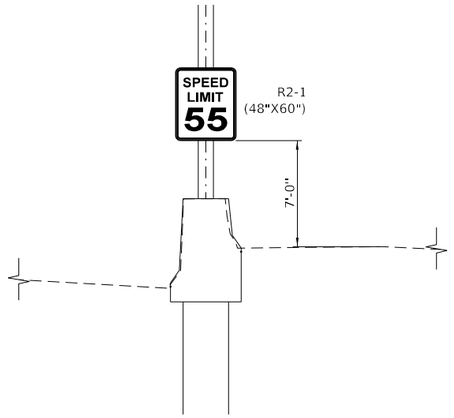
USER NAME = 35361	DESIGNED - RP	REVISED -
	CHECKED - CSP	REVISED -
PLOT SCALE =	DRAWN - RP	REVISED -
PLOT DATE = 12/29/2022	DATE - 08/26/2022	REVISED -1/6/2023 ⚠ ADDENDUM

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

OVERHEAD SIGN STRUCTURES
SIGN PANEL PLACEMENT
SHEET OF SHEETS

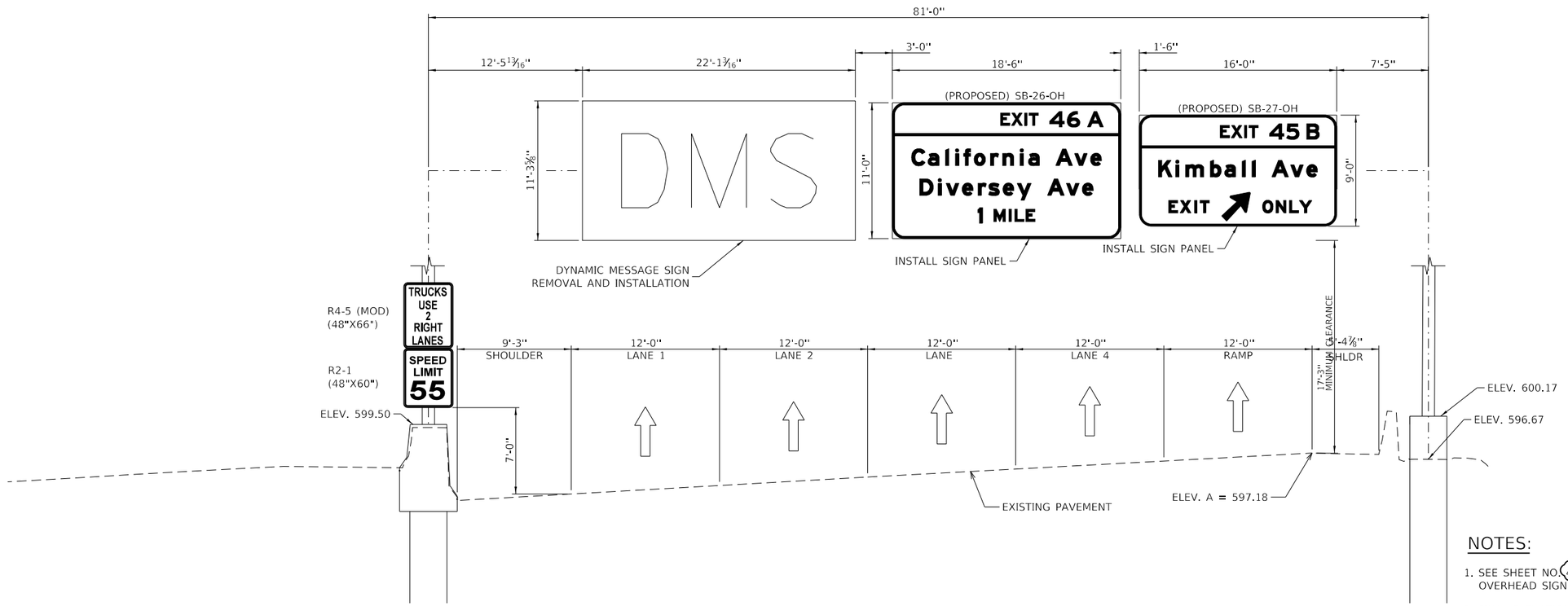
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2020-004-BR	COOK	1492	471
		CONTRACT NO. 62K74		
		ILLINOIS FED. AID PROJECT		

⚠1 REV. 1/10/23



SIGN 12 STA 568+94.52 (SB) - PROPOSED SIGN TRUSS MOUNT (LOOKING NORTH)

(1S016I094R045.4)



SIGN 12 (CM11) STA 568+94.52 (SB) - PROPOSED SIGN TRUSS MOUNT (LOOKING SOUTH)

(1S016I094R045.4)

NOTES:

1. SEE SHEET NO. 454 TO 463 FOR OVERHEAD SIGN PANEL DETAILS
2. FINAL ELEVATION OF CENTERLINE OF TRUSS TO BE DETERMINED BY SIGN TRUSS DESIGNER
3. EXISTING DMS SIGNS TO BE REMOVED, STORED, AND RELOCATED TO THE LOCATION SHOWN
4. ALL HORIZONTAL DIMENSIONS ARE MEASURED ALONG ℄ OF TRUSS

PARSONS
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70 SOUTH RIVERSIDE PLAZA, SUITE 400
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Fax 312-930-0018

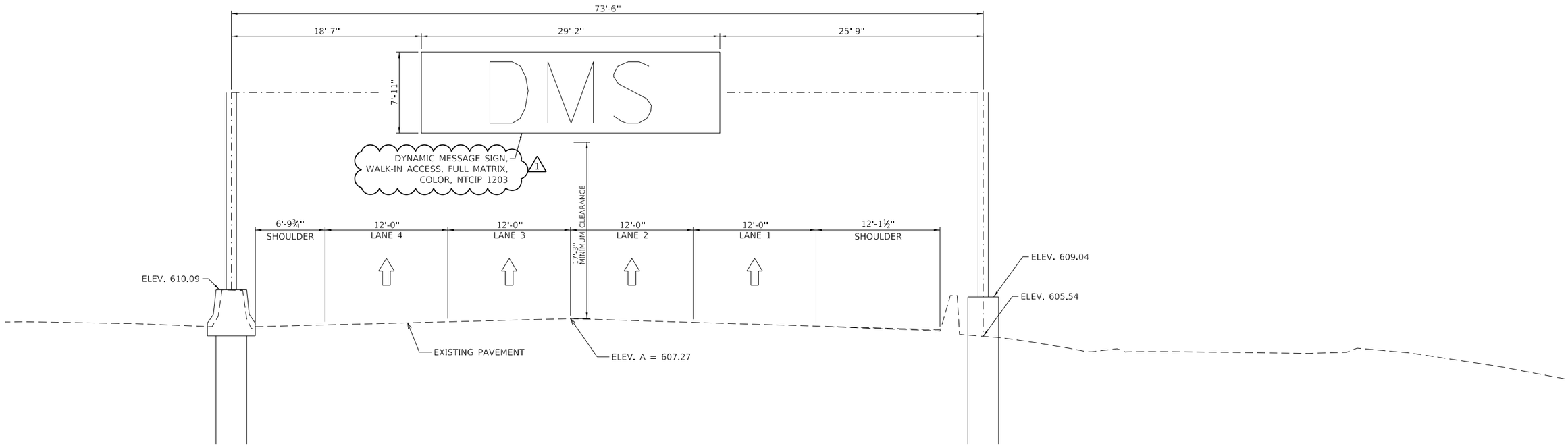
USER NAME = 35361	DESIGNED - RP	REVISED -
	CHECKED - CSP	REVISED -
PLOT SCALE =	DRAWN - RP	REVISED -
PLOT DATE = 12/29/2022	DATE - 08/26/2022	REVISED - 1/6/2023 ⚠1 ADDENDUM

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

OVERHEAD SIGN STRUCTURES
SIGN PANEL PLACEMENT
SHEET OF SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2020-004-BR	COOK	1492	472
		CONTRACT NO. 62K74		
		ILLINOIS FED. AID PROJECT		

⚠1 REV. 1/10/23



1 SIGN 14 (CM17) STA 611+60.67 (SB) - PROPOSED SIGN TRUSS MOUNT

(1S016I094R044.6)

NOTES:

1. SEE SHEET NO. 454 TO 463 FOR OVERHEAD SIGN PANEL DETAILS
2. FINAL ELEVATION OF CENTERLINE OF TRUSS TO BE DETERMINED BY SIGN TRUSS DESIGNER
3. ALL HORIZONTAL DIMENSIONS ARE MEASURED ALONG ℄ OF TRUSS

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Fax 312-606-6018

USER NAME = 35361	DESIGNED - RP	REVISED -
	CHECKED - CSP	REVISED -
PLOT SCALE =	DRAWN - RP	REVISED -
PLOT DATE = 12/29/2022	DATE - 08/26/2022	REVISED -1/6/2023 1 ADDENDUM

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

OVERHEAD SIGN STRUCTURES
SIGN PANEL PLACEMENT
SHEET OF SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2020-004-BR	COOK	1492	473
		CONTRACT NO. 62K74		
	ILLINOIS FED. AID PROJECT			

1 REV. 1/10/23

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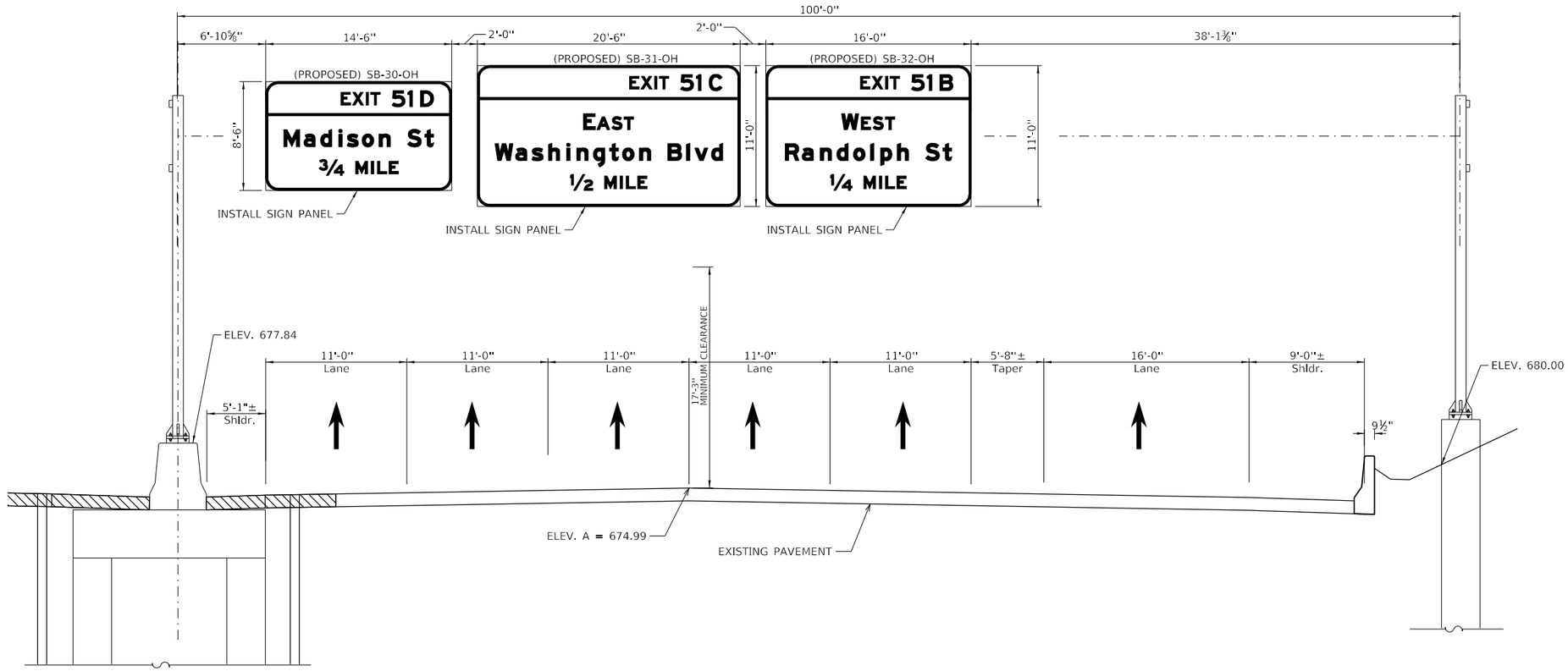

SIGN 15 STA 302+87.00 (SB) - PROPOSED SIGN TRUSS MOUNT

(1S016I094R050.4)

NOTES:

1. SEE SHEET NO. 454 TO 463 FOR OVERHEAD SIGN PANEL DETAILS
2. FINAL ELEVATION OF CENTERLINE OF TRUSS TO BE DETERMINED BY SIGN TRUSS DESIGNER
3. ALL HORIZONTAL DIMENSIONS ARE MEASURED ALONG ℄ OF TRUSS

PARSONS
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10 SOUTH RIVERSIDE PLAZA, SUITE 400
CHICAGO IL 60606
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Fax 312/930-6018

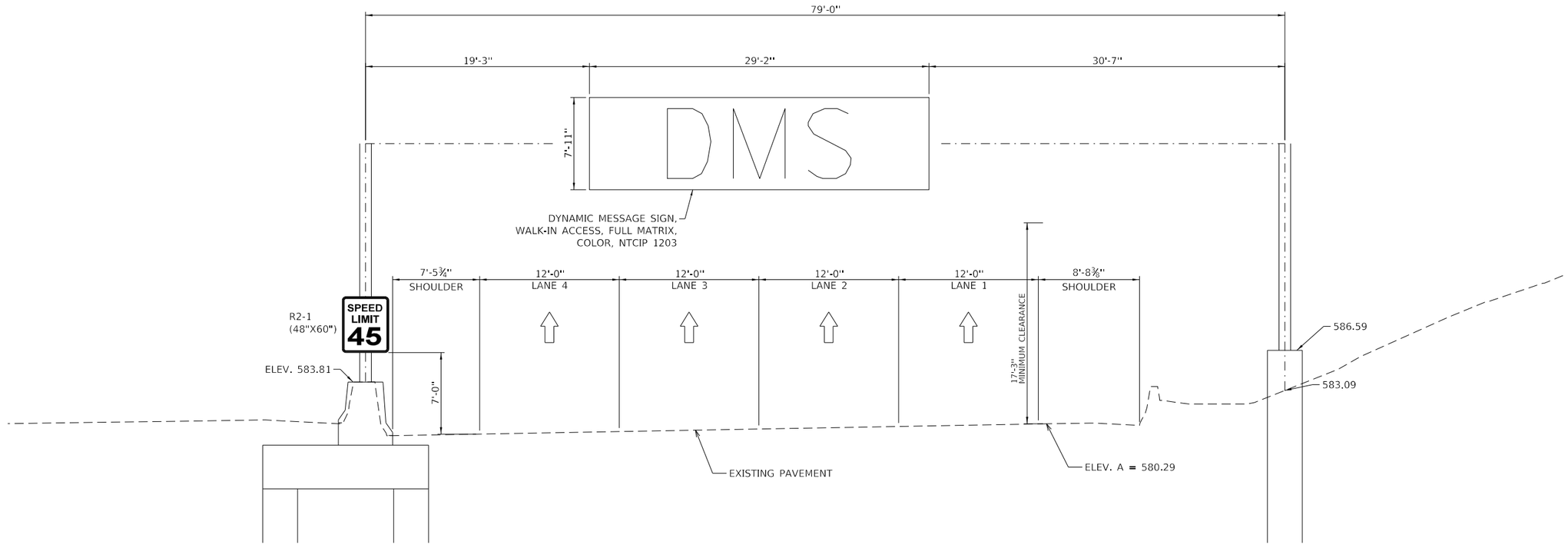
USER NAME = 35361	DESIGNED - RP	REVISED -
	CHECKED - CSP	REVISED -
PLOT SCALE =	DRAWN - RP	REVISED -
PLOT DATE = 12/29/2022	DATE - 08/26/2022	REVISED -1/6/2023 ⚠1 ADDENDUM

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

OVERHEAD SIGN STRUCTURES
SIGN PANEL PLACEMENT
SHEET OF SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2020-004-BR	COOK	1492	474
		CONTRACT NO. 62K74		
		ILLINOIS FED. AID PROJECT		

⚠1 REV. 1/10/23



SIGN 16 (CM13) STA 344+53.87 (SB) - PROPOSED SIGN TRUSS MOUNT

(1S016I094R049.6)

NOTES:

1. SEE SHEET NO. 454 TO 463 FOR OVERHEAD SIGN PANEL DETAILS
2. FINAL ELEVATION OF CENTERLINE OF TRUSS TO BE DETERMINED BY SIGN TRUSS DESIGNER
3. ALL HORIZONTAL DIMENSIONS ARE MEASURED ALONG ℄ OF TRUSS

PARSONS
PARSONS TRANSPORTATION GROUP
ENGINEERS & PLANNERS
200 W. ADAMS STREET, SUITE PLAZA, SUITE 400
CHICAGO, IL 60606
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Fax:3129006018

USER NAME = 35361	DESIGNED - RP	REVISED -
	CHECKED - CSP	REVISED -
PLOT SCALE =	DRAWN - RP	REVISED -
PLOT DATE = 12/29/2022	DATE - 08/26/2022	REVISED - 1/6/2023 ⚠1 ADDENDUM

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

OVERHEAD SIGN STRUCTURES
SIGN PANEL PLACEMENT
SHEET OF SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2020-004-BR	COOK	1492	475
		CONTRACT NO. 62K74		
	ILLINOIS	FED. AID PROJECT		

⚠1 REV. 1/10/23

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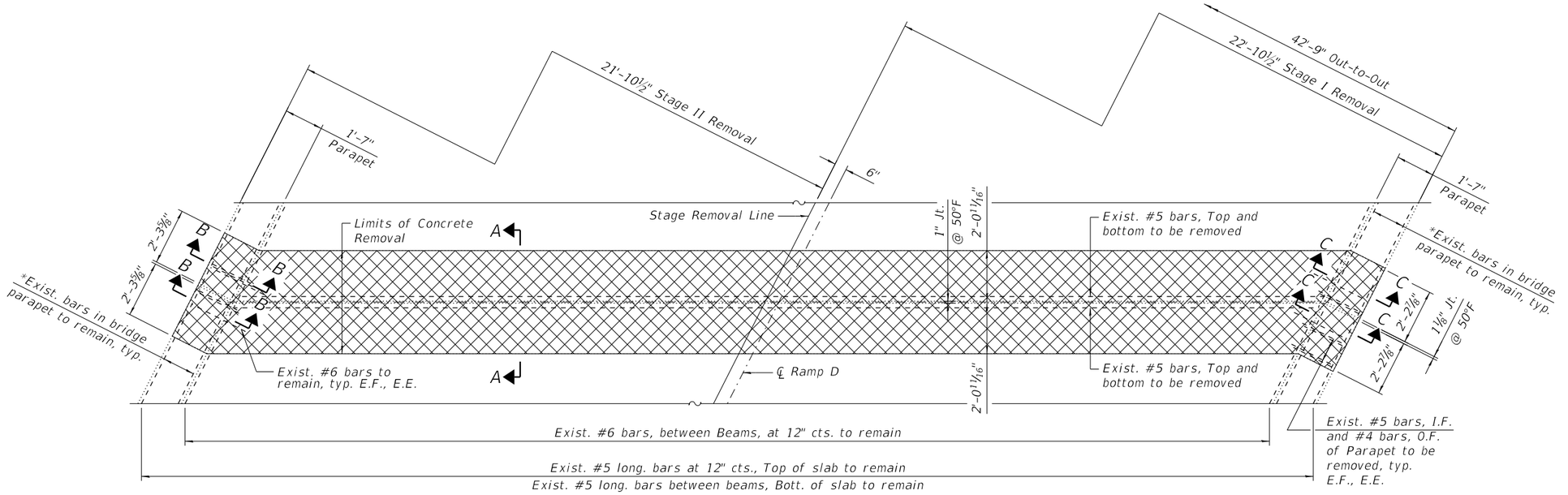
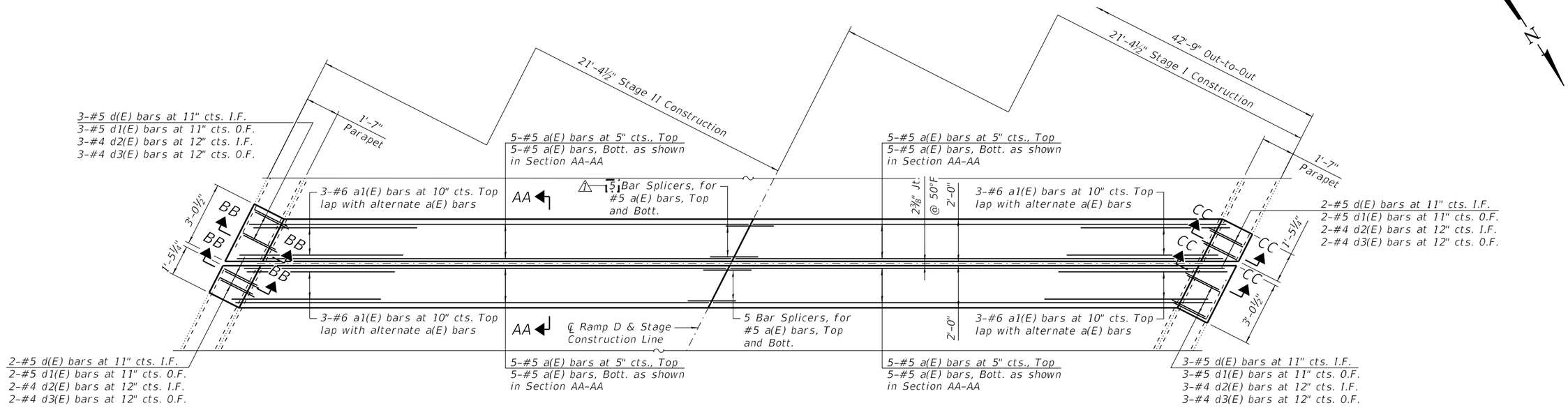


PIER 1 JOINT REMOVAL PLAN



PIER 1 JOINT RECONSTRUCTION PLAN

NOTES:

1. For sections A-A, B-B, C-C, AA-AA, BB-BB and CC-CC, see sheet S01-12.

LEGEND

* Existing longitudinal bars to remain in the parapets can be cut in the field as required

	Concrete Removal
I.F.	Inside Face
O.F.	Outside Face
E.F.	Each Face
E.E.	Each End

GRĀEF
8501 W. Higgins Road; Suite 280
Chicago, Illinois 60631; (773) 399-0112

USER NAME =		DESIGNED -	J.T.B.	REVISED ⚠ 1/6/2023 J.T.B.	
		CHECKED -	H.A.	REVISED -	
PLOT SCALE =		DRAWN -	J.T.B.	REVISED -	
PLOT DATE =		CHECKED -	K.G.W.	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PIER 1 EXPANSION JOINT DETAILS I
SN 016-0204
SHEET S01-11 OF S01-28 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	2020-004-BR	COOK	1492	486
		CONTRACT NO. 62K74		
	ILLINOIS FED. AID PROJECT			

⚠1 REV. 1/10/23

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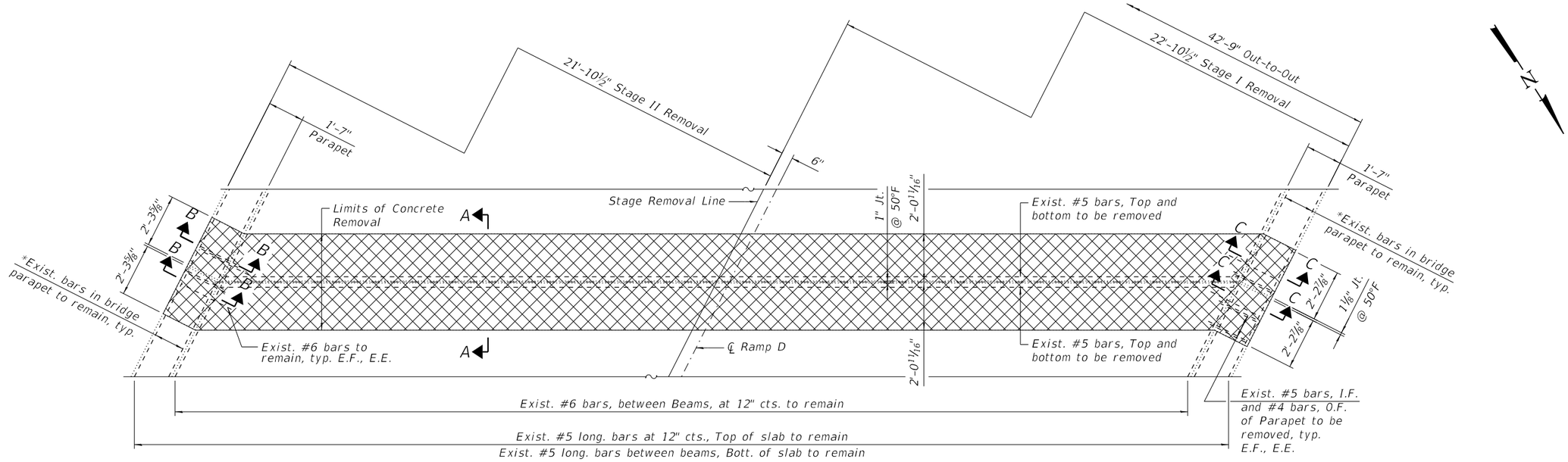
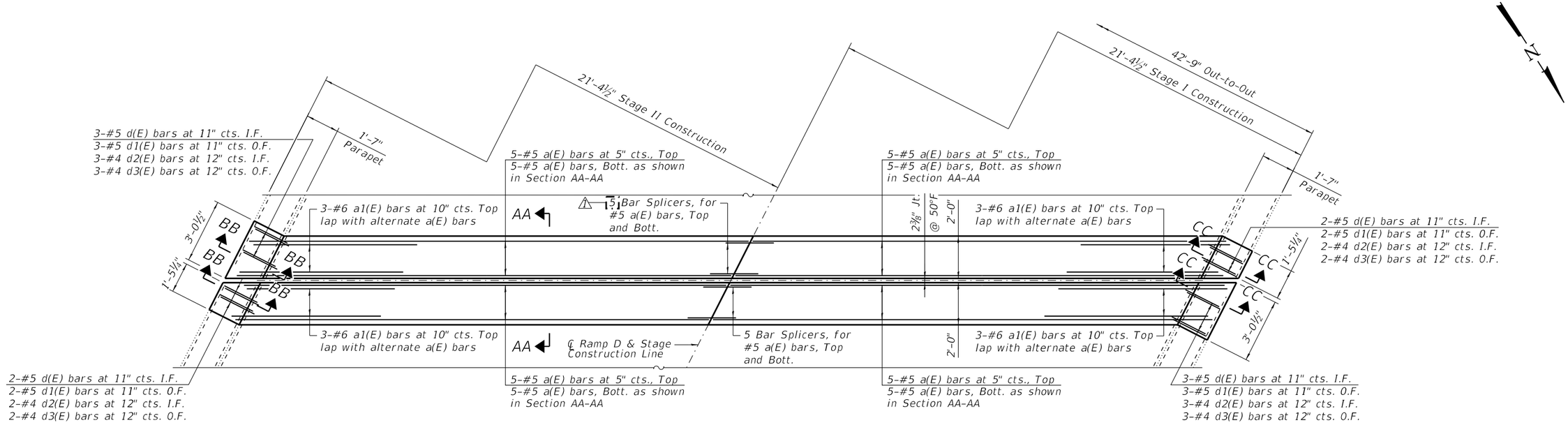


PIER 3 JOINT REMOVAL PLAN



PIER 3 JOINT RECONSTRUCTION PLAN

NOTES:

1. For sections A-A, B-B, C-C, AA-AA, BB-BB and CC-CC, see sheet S01-14.

* Existing longitudinal bars to remain in the parapets can be cut in the field as required

LEGEND

	Concrete Removal
I.F.	Inside Face
O.F.	Outside Face
E.F.	Each Face
E.E.	Each End

GRĀEF
8501 W. Higgins Road; Suite 280
Chicago, Illinois 60631; (773) 399-0112

USER NAME =		DESIGNED -	J.T.B.	REVISED ⚠ 1/6/2023 J.T.B.	
		CHECKED -	H.A.	REVISED -	
PLOT SCALE =		DRAWN -	J.T.B.	REVISED -	
PLOT DATE =		CHECKED -	K.G.W.	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PIER 3 EXPANSION JOINT DETAILS I
SN 016-0204
SHEET S01-13 OF S01-28 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	2020-004-BR	COOK	1492	488
		CONTRACT NO. 62K74		
	ILLINOIS FED. AID PROJECT			

⚠1 REV. 1/10/23

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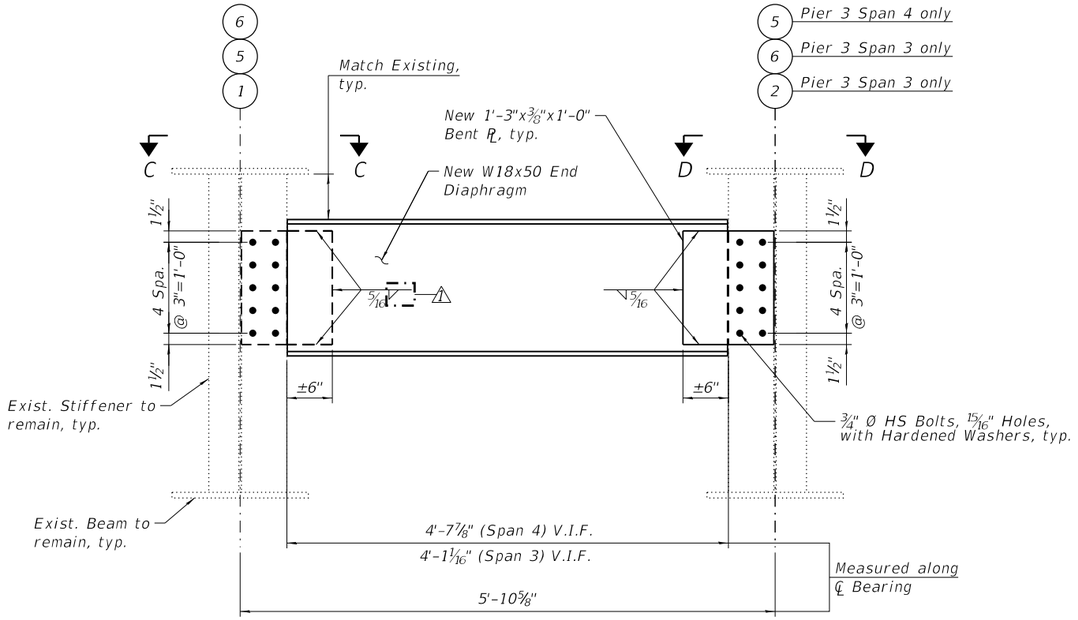
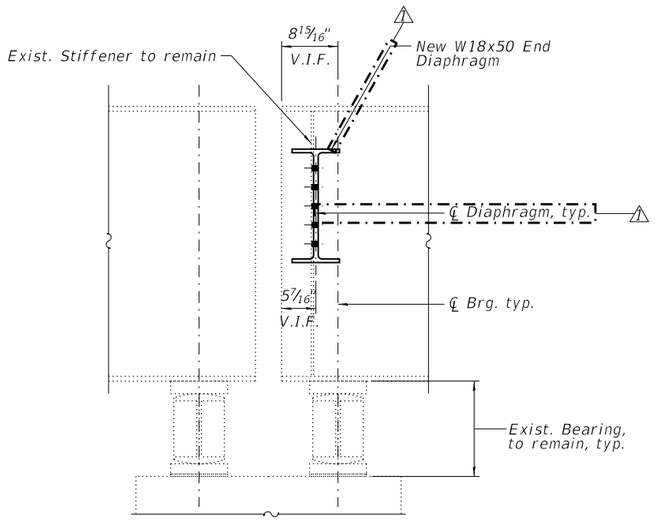
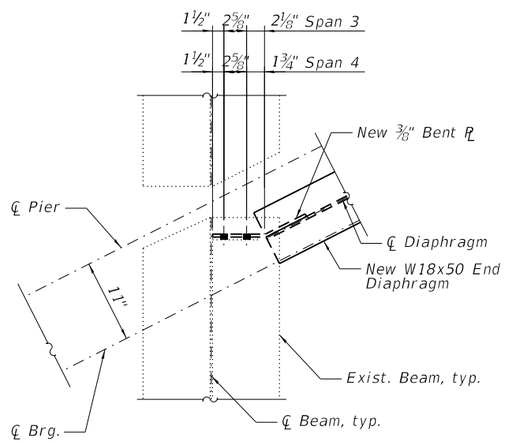


SECTION A-A

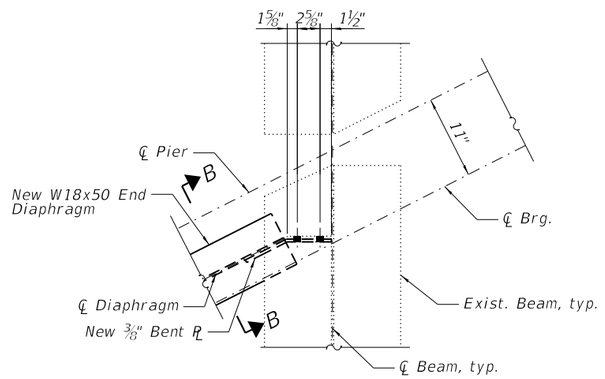
Pier 3 Span 3 shown, Pier 3 Span 4 similar and opposite hand.
(3 Required)



SECTION B-B



SECTION C-C



SECTION D-D

NOTES

1. For location of Diaphragm Repair and Bill of Material, see Sheet S01-20.
2. All proposed diaphragm repair plates and angles shall conform to the requirements of AASHTO M270 Grade 36.
3. All proposed diaphragm repair plates, angles, bolts, nuts and washers shall be paid for as Furnishing and Erecting Structural Steel.
4. The cost of all field drilling shall be included in the cost of Furnishing and Erecting Structural Steel.
5. Existing structural steel that will be in contact with new structural steel shall be cleaned and painted prior to erection. Cost shall be included with Furnishing and Erecting Structural Steel.
6. Existing diaphragm and connection angle removal shall be paid for as Structural Steel Removal.
7. All proposed steel dimensions shall be verified in the field prior to fabrication.

LEGEND

- Shop drill holes in new steel. Use new steel as a template to field drill holes in existing steel.

GRAEF
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Chicago, Illinois 60631; (773) 399-0112

USER NAME =		DESIGNED -	J.T.B.	REVISED 1	1/6/2023 J.T.B.
		CHECKED -	H.A.	REVISED -	
PLOT SCALE =		DRAWN -	J.T.B.	REVISED -	
PLOT DATE =		CHECKED -	K.G.W.	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STRUCTURAL STEEL REPAIR DETAILS
SN 016-0204
SHEET S01-21 OF S01-28 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	2020-004-BR	COOK	1492	496
		CONTRACT NO. 62K74		
	ILLINOIS FED. AID PROJECT			

1 REV. 1/10/23

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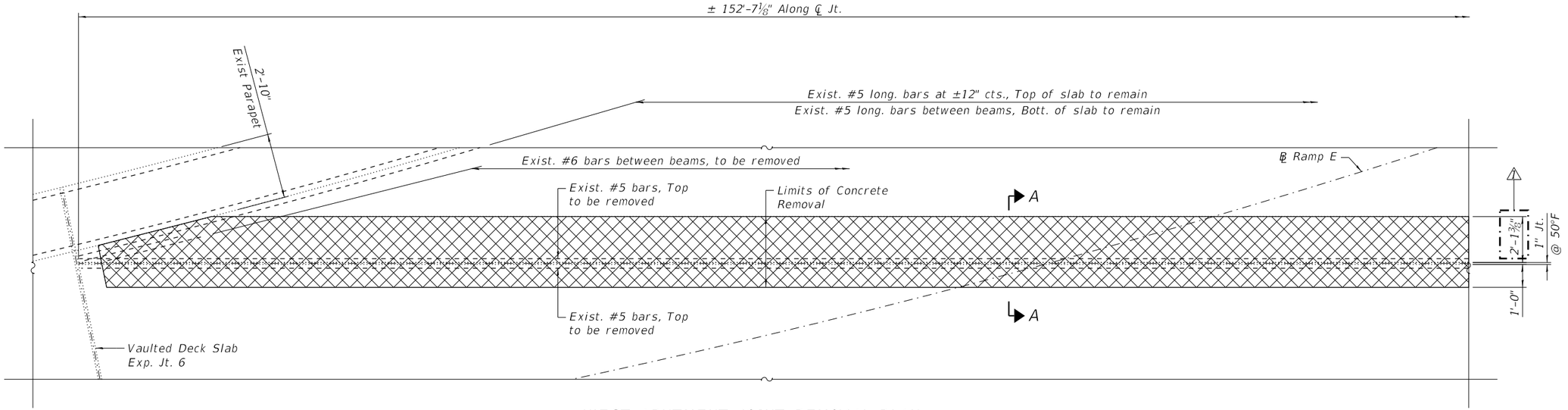
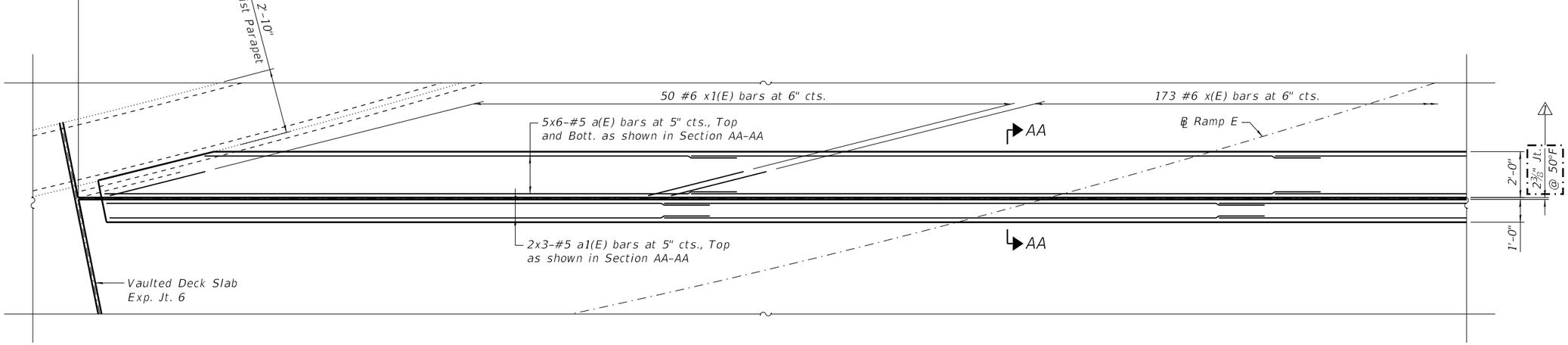


WEST ABUTMENT JOINT REMOVAL PLAN



WEST ABUTMENT JOINT RECONSTRUCTION PLAN

NOTE:

1. For sections A-A and AA-AA see Sheet S02-19.

LEGEND

	Concrete Removal
F.F.	Front Face
B.F.	Back Face
E.E.	Each End

GRĀEF
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Chicago, Illinois 60631; (773) 399-0112

USER NAME =		DESIGNED -	J.T.B.	REVISED 1/6/2023 J.T.B.	
		CHECKED -	H.A.	REVISED -	
PLOT SCALE =		DRAWN -	D.C.P.	REVISED -	
PLOT DATE =		CHECKED -	K.G.W.	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WEST ABUTMENT EXPANSION JOINT DETAILS I
SN 016-2551
SHEET S02-16 OF S02-36 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	2020-004-BR	COOK	1492	519
		CONTRACT NO. 62K74		
	ILLINOIS FED. AID PROJECT			

1 REV. 1/10/23

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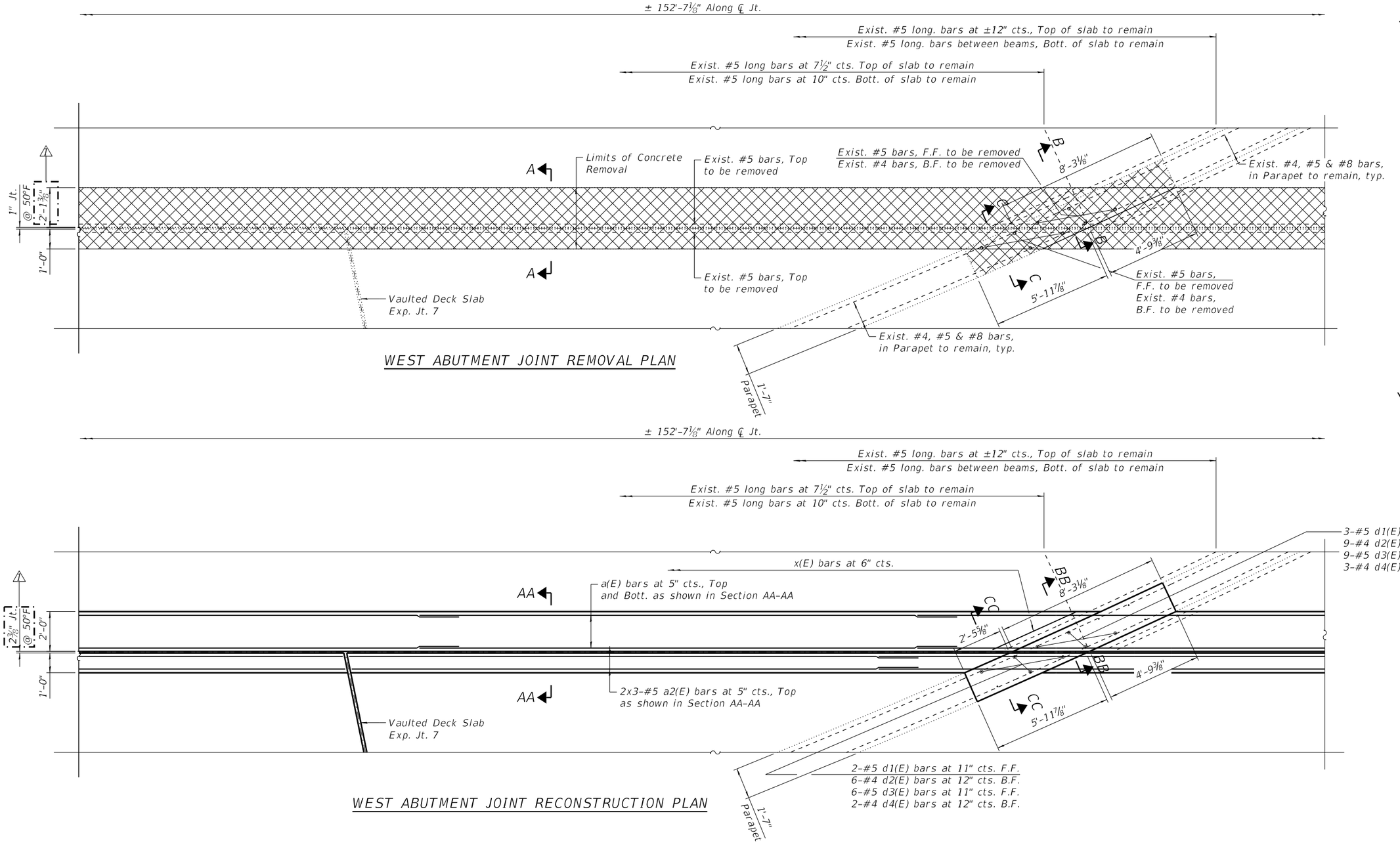

NOTE:

1. For sections A-A, B-B, C-C, AA-AA, BB-BB and CC-CC, see Sheet S02-19.

LEGEND

	Concrete Removal
F.F.	Front Face
B.F.	Back Face

GRAEF
8501 W. Higgins Road; Suite 280
Chicago, Illinois 60631; (773) 399-0112

USER NAME =		DESIGNED -	J.T.B.	REVISED ⚠1 1/6/2023 J.T.B.	
		CHECKED -	H.A.	REVISED -	
PLOT SCALE =		DRAWN -	D.C.P.	REVISED -	
PLOT DATE =		CHECKED -	K.G.W.	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WEST ABUTMENT EXPANSION JOINT DETAILS II
SN 016-2551
SHEET S02-17 OF S02-36 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	2020-004-BR	COOK	1492	520
		CONTRACT NO. 62K74		
	ILLINOIS FED. AID PROJECT			

⚠1 REV. 1/10/23

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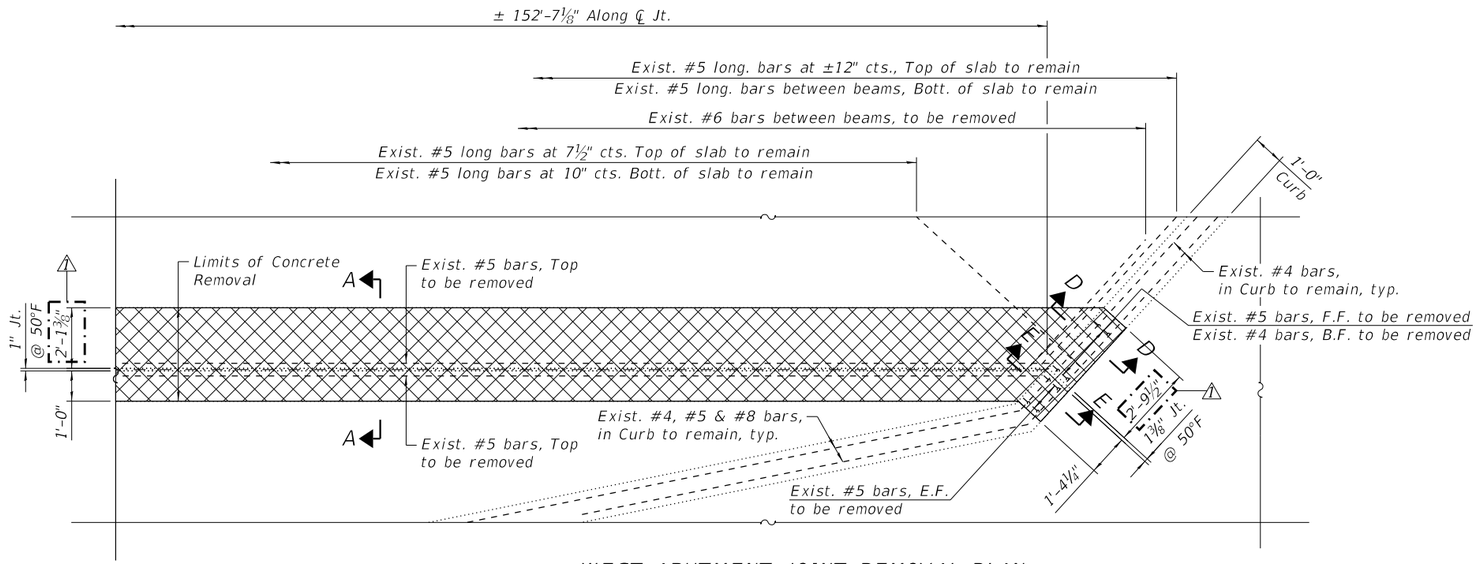
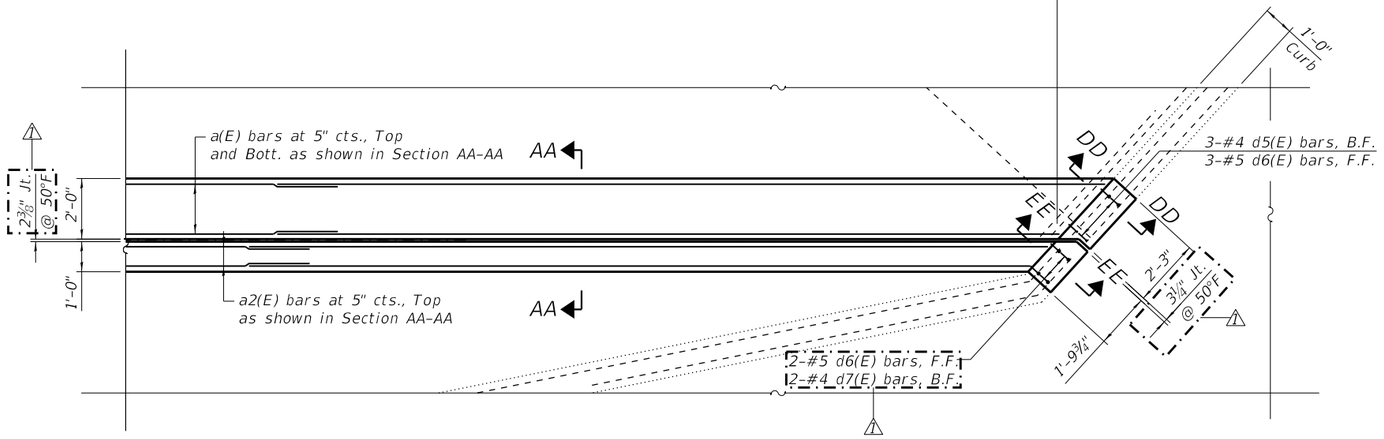


WEST ABUTMENT JOINT REMOVAL PLAN



WEST ABUTMENT JOINT RECONSTRUCTION PLAN

NOTE:

1. For sections A-A and AA-AA see Sheet S02-19.
2. For sections D-D, E-E, DD-DD, and EE-EE, see Sheet S02-20.

LEGEND

	Concrete Removal
F.F.	Front Face
B.F.	Back Face
E.F.	Each Face

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STATE OF ILLINOIS
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WEST ABUTMENT EXPANSION JOINT DETAILS III
SN 016-2551

SHEET S02-18 OF S02-36 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	2020-004-BR	COOK	1492	521
		CONTRACT NO. 62K74		
	ILLINOIS FED. AID PROJECT			

1 REV. 1/10/23

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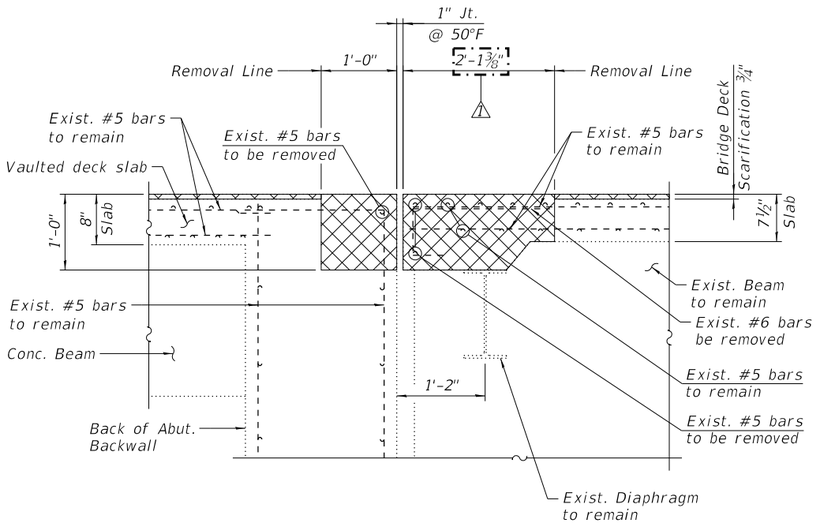
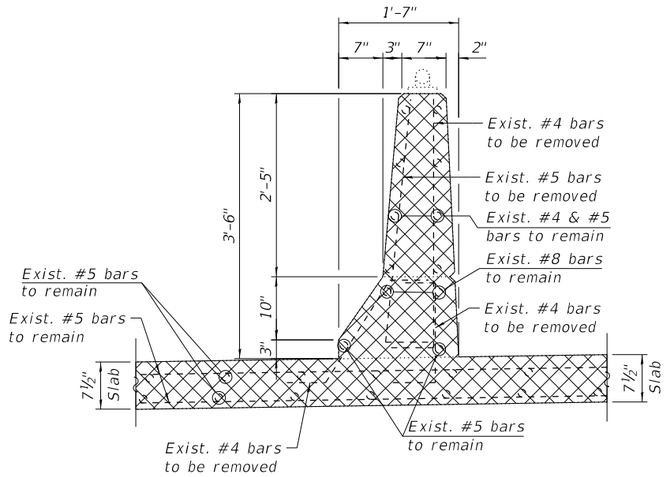
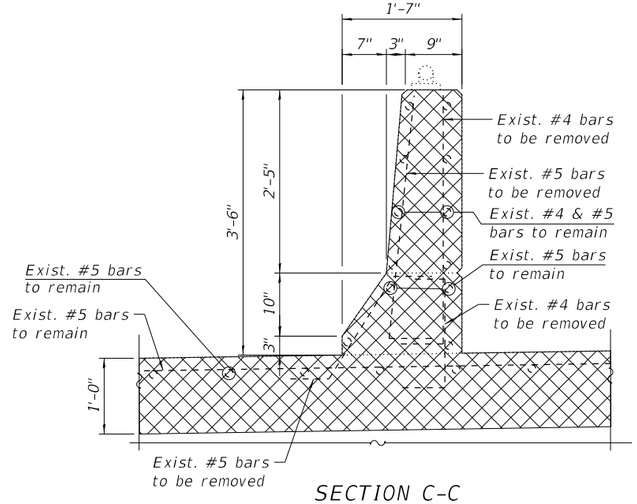


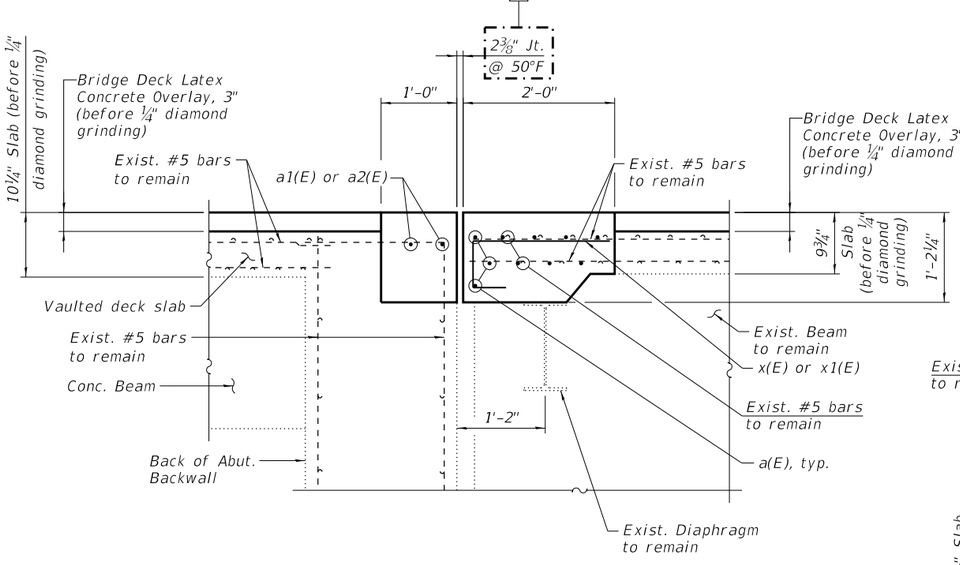
SECTION A-A



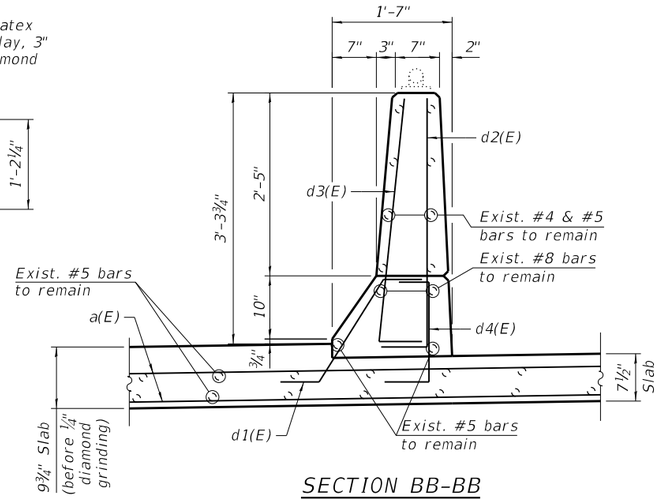
SECTION B-B



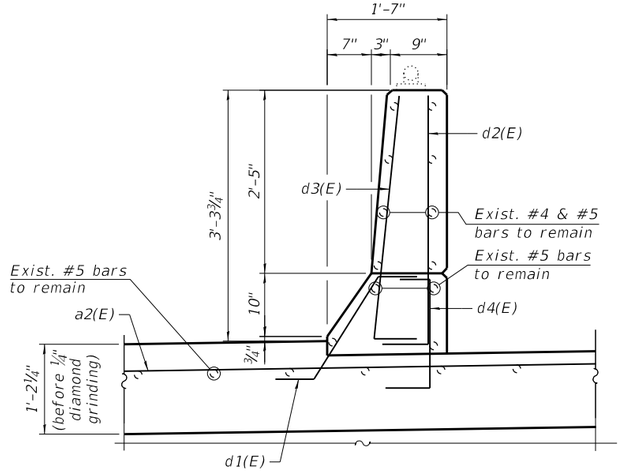
SECTION C-C



SECTION AA-AA



SECTION BB-BB



SECTION CC-CC

NOTES:

1. For Notes, see Sheet S02-20.

LEGEND

Concrete Removal

I.F. Inside Face

O.F. Outside Face

GRÄEF 8501 W. Higgins Road; Suite 280 Chicago, Illinois 60631; (773) 399-0112	USER NAME =	DESIGNED - J.T.B.	REVISED 1/6/2023 J.T.B.	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	WEST ABUTMENT EXPANSION JOINT DETAILS IV SN 016-2551	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		CHECKED - H.A.	REVISED -			90	2020-004-BR	COOK	1492	522
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	PLOT DATE =	CHECKED - K.G.W.	REVISED -		SHEET S02-19 OF S02-36 SHEETS			ILLINOIS	FED. AID PROJECT	

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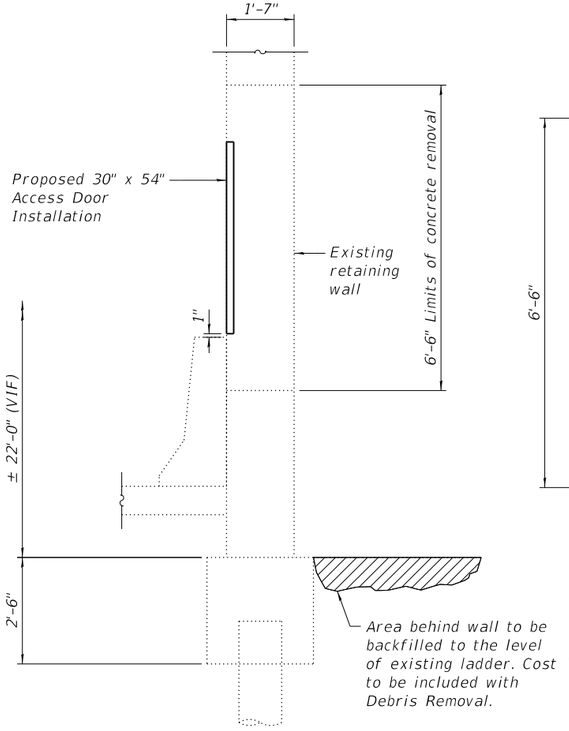
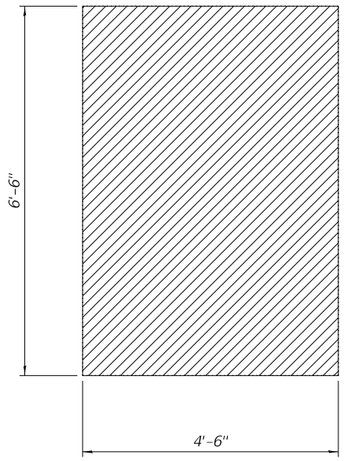
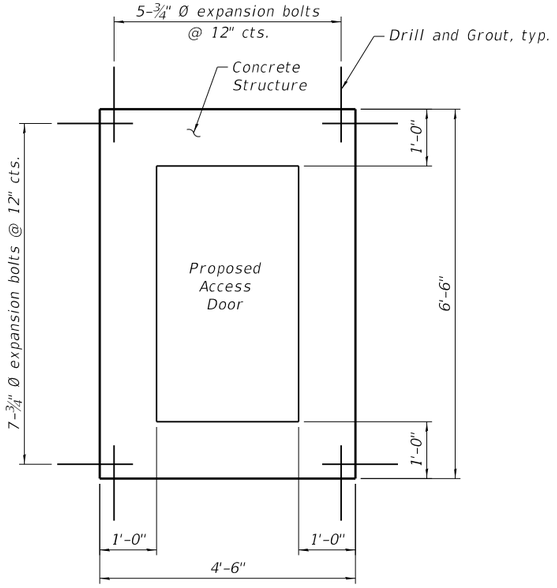


SECTION A-A

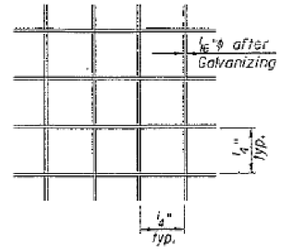
(Existing retaining wall 118 shown retaining wall 117 similar)



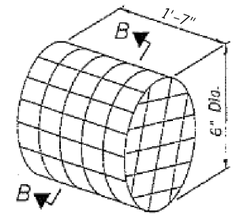
CONCRETE REMOVAL DETAIL



CONCRETE FILL AT ACCESS HOLE

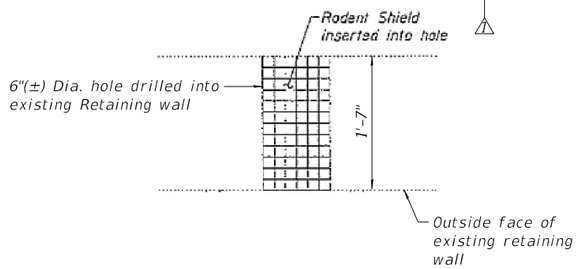


SECTION B-B



DETAIL OF RODENT SHIELD

(45 required)

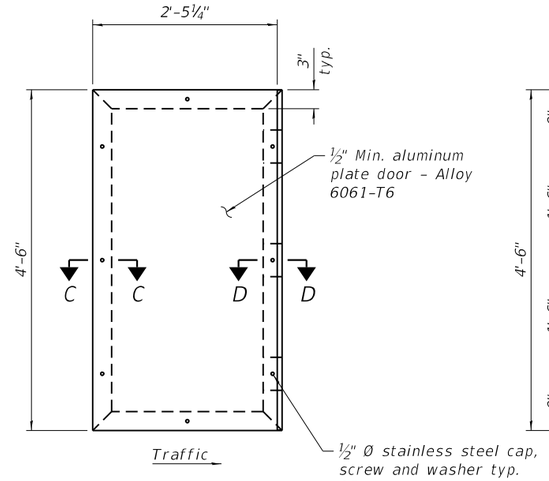


RODENT SHIELD PLACEMENT

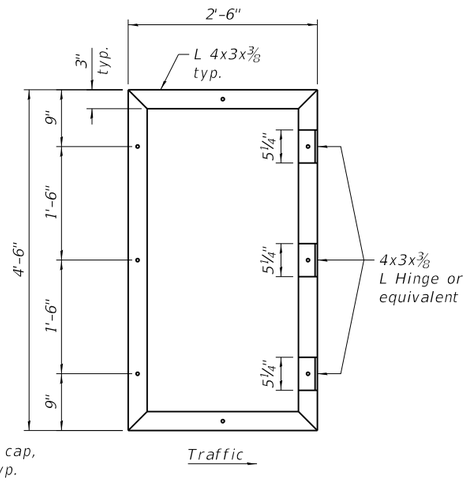
Note:
Existing reinforcement extended into removal area shall be cleaned, straightened and incorporated into the new construction.

Backfill soil up to the level of existing ladder. Cost to be included with Debris Removal.

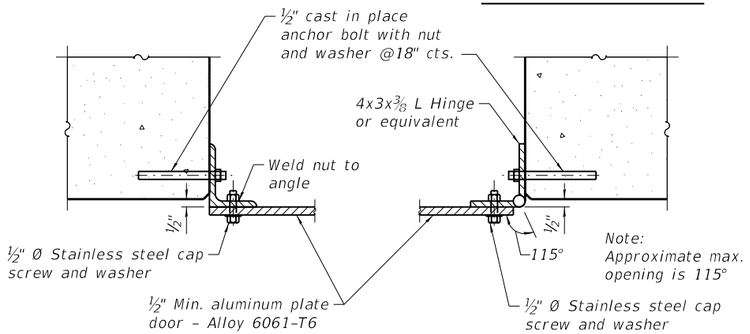
BACKFILL LOCATION



ACCESS DOOR



ACCESS DOOR FRAME



SECTION C-C

SECTION D-D

NOTES:

1. Cost of new door and all components including removal of concrete is included in cost of Furnish and Install Access Door.
2. Cost of drilling holes and rodent shield included with Furnish and Install Access Door.
3. Expansion bolts shall be ¾" Ø hooked bolts shall extend 9" min. into existing concrete.
4. Paint all aluminum surfaces in contact with concrete with epoxy paint.

BILL OF MATERIAL

Item	Unit	Total
Access Door	Each	2

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ACCESS DOOR INSTALLATION
SN 016-2551
SHEET S02-34 OF S02-36 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	2020-004-BR	COOK	1492	537
		CONTRACT NO. 62K74		
	ILLINOIS	FED. AID PROJECT		

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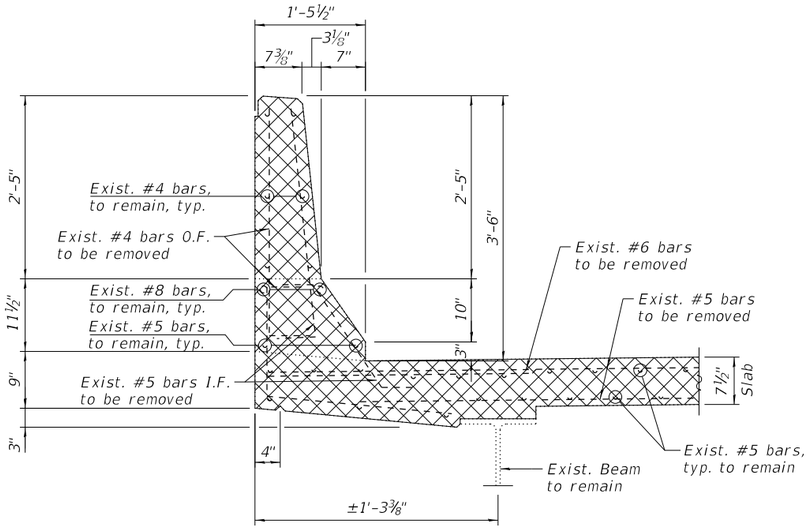
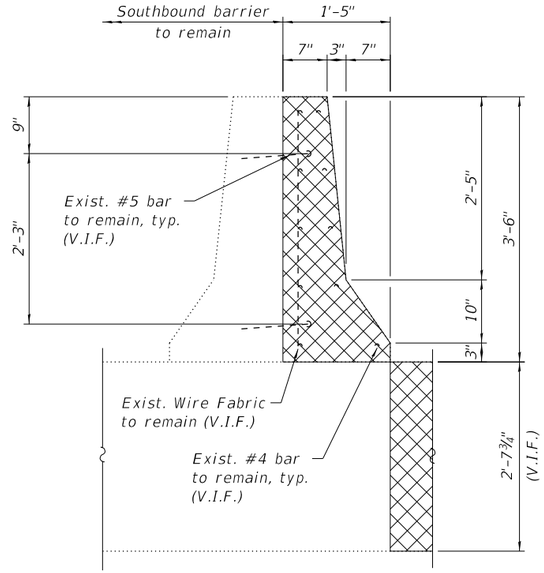
1 REV. 1/10/23

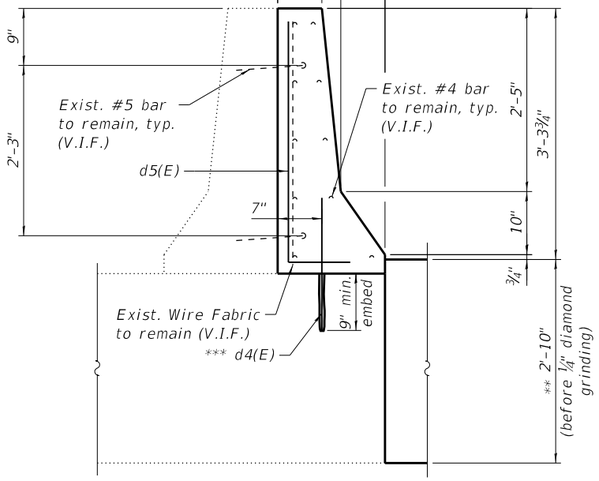


SECTION D-D
(West parapet removal)

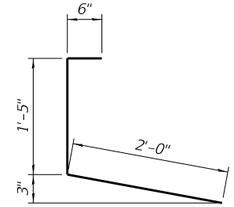


SECTION E-E
(West parapet removal)

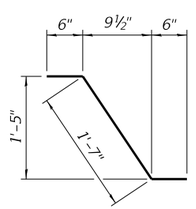
SECTION DD-DD
(West parapet reconstruction)



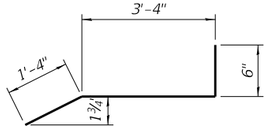
SECTION EE-EE
(West parapet reconstruction)



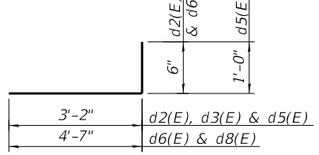
BAR d(E)



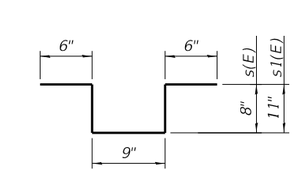
BAR d1(E)



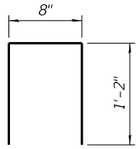
BAR d7(E)



BARS d2(E), d3(E), d5(E) d6(E) & d8(E)



BARS s(E) & s1(E)



BAR u(E)

BILL OF MATERIAL
SOUTH ABUTMENT

Bar	No.	Size	Length	Shape
a(E)	20	#5	21'-8"	
a1(E)	6	#6	6'-6"	
d(E)	6	#4	3'-11"	
d1(E)	6	#5	2'-7"	
d2(E)	3	#4	3'-8"	
d3(E)	3	#5	3'-8"	
d4(E)	4	#5	1'-9"	
d5(E)	2	#5	4'-2"	
d6(E)	3	#4	5'-1"	
d7(E)	3	#5	5'-2"	
d8(E)	2	#5	5'-7"	
h(E)	12	#6	21'-8"	
s(E)	10	#4	3'-1"	
s1(E)	5	#4	3'-7"	
u(E)	36	#5	3'-0"	
Concrete Removal			Cu Yd	5.9
Reinforcement Bars, Epoxy Coated			Pound	680
Concrete Superstructure			Cu Yd	6.6

LEGEND

	Concrete Removal
I.F.	Inside Face
O.F.	Outside Face
V.I.F.	Verify in Field

NOTES:

1. For Preformed Joint Strip Seal details, see sheet S04-10.
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 shall be included with Concrete Removal.
3. Removal of Existing Expansion Joint will not be paid for separately but will be included in the cost of Concrete Removal.

MIN BAR LAPS

#5	3'-6"
#6	4'-0"

** Dimension is taken at the Back of Abut.

*** Epoxy grout #5 d4(E) bars in 9" min. holes accordance to Section 508 of the Standard Specifications.

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PLOT DATE =		CHECKED -	K.G.W.	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOUTH ABUTMENT EXPANSION JOINT DETAILS III
SN 016-0135 (REV)
SHEET S04-06 OF S04-17 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	2020-004-BR	COOK	1492	566
		CONTRACT NO. 62K74		
	ILLINOIS FED. AID PROJECT			

⚠1 REV. 1/10/23

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GENERAL NOTES

1. Reinforcement bars designated (E) shall be epoxy coated.

2. Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.

3. Bars noted thus, 3x2-#5, indicates 3 lines of #5 bars with 2 lengths of bars per line.

4. All exposed concrete edges shall have a ¾"x45° chamfer except where shown otherwise.

5. 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.

6. For SMA overlay on Approach Slab, see Roadway Sheets.

7. Protective Coat shall be applied to the top of reconstructed transverse joint areas, top and inside faces of parapets, and top of Latex Concrete Overlay.

8. Joint openings shall be adjusted according to Article 520.04 of the Standard Specifications when the deck is poured at an ambient temperature other than 50°F.

9. Prior to pouring the new concrete deck for expansion joint reconstruction and deck slab repairs, all heavy or loose rust, loose mill scale, and other loose or potentially detrimental foreign material shall be removed from the surfaces in contact with concrete. Tightly adhered paint may remain unless otherwise noted. Removal shall be accomplished by methods that will not damage the steel and the cost will be included in the pay item covering removal of the existing concrete. As directed by the Engineer, existing construction accessories welded to the top flange of beams and girders shall be removed. The weld areas shall be ground flush and inspected for cracks using magnetic particle testing (MT) or dye penetrant testing (PT) by qualified personnel approved by the Engineer. Any cracks that cannot be removed by grinding ¼" deep shall be identified and reported to the Bureau of Bridges and Structures for further dispositions. The cost of removing welded accessories, grinding and inspecting weld areas and grinding cracks will be paid for according to Article 109.04 of the Standard Specifications.

10. The existing structural steel coating contains lead. The Contractor shall take appropriate precautions to deal with the presence of lead on this project.

11. Adjacent I-90/94 NB and SB bridges are not shown throughout the plans for clarity.

12. The Contractor shall take the necessary precautions for the protection of passing vehicles, bicycles and pedestrians from falling objects and/or materials until completion of work.

13. The Contractor is responsible to remove, support and reinstall all existing electrical conduits interfering with the work. See special provision "Protection and Maintenance of Existing Underpass Luminaires".

14. The Contractor shall exercise extreme caution during Concrete Removal to avoid damaging the steel beams and diaphragms to remain. Any damage to the existing steel beams and/or diaphragms to remain caused by the Contractor in the performance of his/her work shall be repaired by the Contractor, to the satisfaction of the Engineer, at no cost to the Department.

15. The Contractor is responsible to protect the existing conduit embedded in the parapet during concrete removal and construction. Any damage to the existing conduit shall be repaired by the Contractor at no additional cost to the Department.

16. Where underpass lighting is present on the structure, the Contractor shall adjust the Protective Shielding to ride above the existing lighting fixtures in order to maintain the existing level of lighting on the roadway underneath. Details shall be approved by the Engineer before installation.

17. Any adjustment done to the Protective Shield System must not change the load carrying capacity (or containment specifications) as indicated in the Standard Specifications. Cost of adjusting shielding is including in the cost of Protective Shield.

18. The Contractor shall contact Chandra Libby, the Director of City of Chicago Department of Family Support Services (DFSS) at 312-746-5443 or Chandra.Libby@cityofchicago.org to coordinate the relocation of persons and their personal belongings under the bridges within the areas bounded by the temporary chain-link-fence.

19. The intent of the temporary fence is to deny access of any unauthorized personnel under the bridge during construction. Actual fence installations may vary from what is shown on the plans. All fence installations must be approved by the Engineer.

20. Concrete Sealer shall be applied to the designated areas of the abutments and piers.

21. Prior to the application of the Concrete Sealer, the Contractor shall clean all existing debris from the abutment and pier seats. The method of debris removal shall not damage the existing concrete and shall be approved by the Engineer. The debris shall be disposed of according to Art 202.03 of the Std Specs. The cost of cleanings included in the cost of Concrete Sealer.

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S08-17 Drainage Scupper Type B Adjustment Details
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S08-21 Pier 5 Joint Removal & Replacement
S08-22 Pier 7 Joint Removal & Replacement
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S08-57 PPC Beam Repair Tables (Sheet 1 of 6)
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S08-61 PPC Beam Repair Tables (Sheet 5 of 6)
S08-62 PPC Beam Repair Tables (Sheet 6 of 6)
S08-63 Cleaning and Painting Existing Bearings (Sheet 1 of 3)
S08-64 Cleaning and Painting Existing Bearings (Sheet 2 of 3)
S08-65 Cleaning and Painting Existing Bearings (Sheet 3 of 3)
S08-66 South Abutment Repairs
S08-67 North Abutment Repairs
S08-68 Piers 1 and 2 Repairs
S08-69 Piers 3 and 4 Repairs
S08-70 Piers 5 and 6 Repairs
S08-71 Pier 7 Repairs
S08-72 Piers 10 and 11 Repairs
S08-73 Piers 13 and 14 Repairs
S08-74 Piers 15 and 19 Repairs
S08-75 Piers 20 and 21 Repairs
S08-76 Piers 22 and 23 Repairs
S08-77 Pier 24 Repairs
S08-78 North Slope Wall Repairs

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Porous Granular Embankment	Cu Yd	-	0.4	0.4
Concrete Removal	Cu Yd	35.0	-	35.0
Slope Wall Removal	Sq Yd	-	1.2	1.2
Protective Shield	Sq Yd	1,494	-	1,494
Concrete Superstructure	Cu Yd	42.4	-	42.4
Protective Coat	Sq Yd	7,325	-	7,325
Reinforcement Bars, Epoxy Coated	Pound	10,000	-	10,000
Slope Wall 4 Inch	Sq Yd	-	1.2	1.2
Preformed Joint Seal 2 1/2"	Foot	1,590	-	1,590
Preformed Joint Strip Seal	Foot	646	-	646
Anchor Bolts, 1"	Each	20	-	20
Concrete Sealer	Sq Ft	-	-	2,331
Epoxy Crack Injection	Foot	-	92	92
Slope Wall Crack Sealing	Foot	-	27	27
Acrylic Coating	Sq Yd	991	-	991
Fiber Wrap	Sq Ft	8,916	-	8,916
Protect And Maintain Existing Underpass Luminaire	L Sum	0.022	-	0.022
Bridge Drainage System Repair	Foot	-	27	27
Bridge Deck Grooving (Longitudinal)	Sq Yd	3,774	-	3,774
Structural Steel Repair	Pound	20	-	20
Bridge Deck Latex Concrete Overlay, 3 Inches	Sq Yd	5,653	-	5,653
1 Cleaning And Painting Bearings	Each	244	-	244
Cleaning Drainage System	L Sum	0.20	-	0.20
Bridge Deck Scarification 3/4"	Sq Yd	5,653	-	5,653
Structural Repair Of Concrete (Depth Equal To Or Less Than 5 Inches)	Sq Ft	-	1,180	1,180
Structural Repair Of Concrete (Depth Greater Than 5 Inches)	Sq Ft	-	68	68
Deck Slab Repair (Full Depth, Type I)	Sq Yd	1.3	-	1.3
Drainage Scuppers To Be Adjusted	Each	23	-	23
Diamond Grinding (Bridge Section)	Sq Yd	5,792	-	5,792
Maintenance Of Lighting System	Cal Mo	6	-	6
Precast Prestressed Concrete I-Beam Repair	Sq Ft	666	-	666
Temporary Shoring And Cribbing	Each	-	8	8

SCOPE OF WORK

1. Provide Protective Shield within limits indicated on the plans.
2. Scarify ¾" from the bridge deck slab.
3. Perform Deck Slab Repairs and adjust existing scuppers and inlets as required.
4. Adjust drain scuppers types A and B and clean all deck drains.
5. Repair the existing closed drainage system.
6. Reconstruct Expansion Joints at Piers 1, 2, 3, 5, 7, 10, 11, 13, 15, 16, 18, 19, 20, 21, 22, 23, 24 and install new preformed joint strip seals.
7. Apply a 3" Bridge Deck Latex Concrete Overlay on Bridge Deck.
8. Perform ¼" Diamond Grinding to top of bridge deck.
9. Apply 2" Stone-Matrix Asphalt (SMA) Overlay on the Approach Slabs, see Roadway Plans for SMA.
10. Perform Bridge Deck Grooving (Longitudinal) on traffic lanes.
11. Apply protective coat to the top of reconstructed transverse joint areas, top and inside faces of parapets and top of Latex Concrete Overlay.
12. Fiber wrap repair of all spalling, delamination, or failed existing beam repairs beyond the front face of the bearing of PPC beams.
13. Perform structural concrete repairs and epoxy crack injection for the abutments and piers as noted on the plans.
14. Perform Slope Wall repairs.
15. Install 2½" PJS along top of parapet between I-90/94 Southbound and Reversible lanes.

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PLOT DATE =	DATE - 12/29/2022	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES, INDEX OF SHEETS & TBOM
STRUCTURE NO. 016-0133 (REV)
SHEET S08-06 OF S08-78 SHEETS

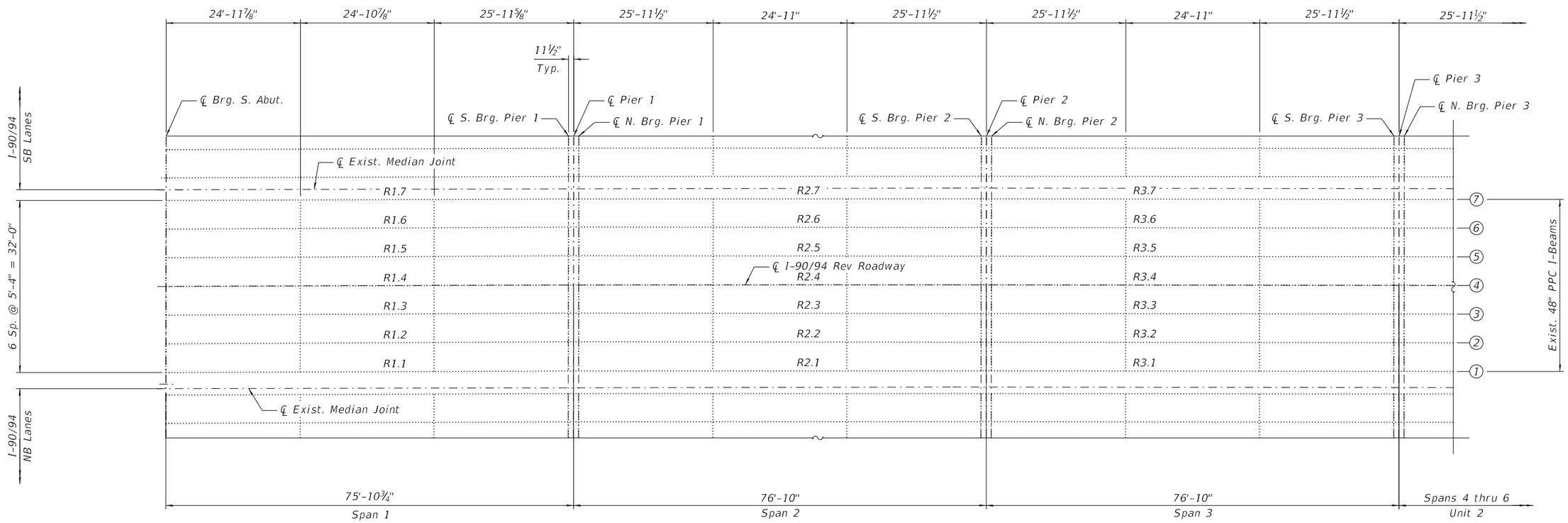
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2020-004-BR	COOK	1492	623
		CONTRACT NO. 62K74		
		ILLINOIS	FED. AID PROJECT	

1 REV. 1/10/23

BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Precast Prestressed Concrete I-Beam Repair	Sq Ft	666
Acrylic Coating	Sq Yd	991
Fiber Wrap	Sq Ft	8,916
Cleaning And Painting Bearings	Each	244

1



FRAMING PLAN - UNIT 1

FIBER WRAP NOTES:

1. Repairs shown are based on field inspection. Conditions in field may have changed. Verify all dimensions in the field prior to ordering any material or commencement of any work.
2. It is the Contractor's responsibility to work around existing utilities in the Fiber Wrap Repair Area.
3. It is the Contractor's responsibility to remove any protrusions in the concrete in the Fiber Wrap Repair Area.
4. Repair method for delamination and/or spall shall require Polymer Modified Portland Cement Mortar Repair prior to Fiber Wrap Repair.
5. Surface must be clean, sound and dry. Remove dust, laitance, grease, curing compounds, impregnations, waxes, foreign articles, disintegrated materials, and other bond inhibiting materials from the surface.
6. Existing uneven surfaces must be filled with an appropriate polymer concrete.
7. Cracks with width greater than 0.012 inch must be stabilized using epoxy injection methods. Use Manufacturer's data sheets for information on mixing epoxy resin.
8. Prior to placing the fiber wrap material, the concrete surface is to be sandblasted and cleaned.
9. Beam corners shall be rounded to at least ¾" radius and smoothed to a surface finish prior to application of fibers.
10. System is a vapor barrier. Don't encapsulate concrete if any surface moisture is present.

FIBER WRAP NOTES (CONT.):

11. Carbon Fabric is non-reactive. However, caution must be used when handling since a fine "Carbon Dust" may be present on the surface. Gloves and protective face masks must, therefore, be worn to protect against any respiratory problems and skin irritation. Wrap the identified girders with the specified number of wraps as indicated.
12. For Beam Repair Details and Tables, see Sheets S08-53 thru S08-62.
13. For General Notes and Total Bill of Material, see Sheet S08-06.
14. The Contractor is responsible to remove and relocate existing utilities interfering with the work.

BEARING PAINT NOTES:

1. For bearing locations and existing plans, see Sheets S08-57 thru S08-65.
2. Only the existing bearings under the PPC I-beams shall be cleaned and painted. This cleaning and painting shall be performed before FRP repairs for the PPC I-beams.
3. Cleaning and painting of the existing structural steel shall be as specified in the Special Provision for "Cleaning and Painting Bearings". 1
4. All bearings shall be cleaned per Commerical Grade Power Tool Cleaning (SSPC-SP-15).
5. All ends of beams and diaphragms shall be protected during the cleaning and painting. Any damage to the adjacent surfaces (including, but not limited to, adjacent steel beams and diaphragms) shall be repaired at no additional cost to the Department.
6. The designated areas cleaned per Commerical Grade Power Tool Cleaning (SSPC-SP-15) shall be painted according to the requirements of Paint System 1 - Organic Zinc-Rich Primer / Epoxy Intermediate Coat / Urethane Top Coat (OZ/E/U). The color of the final finish coat for all steel surfaces shall be Gray, Munsell No. 5B 7/1.

1

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FRAMING PLAN REPAIRS (SHEET 1 OF 7)
STRUCTURE NO. 016-0133 (REV)
SHEET S08-46 OF S08-78 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2020-004-BR	COOK	1492	663
		CONTRACT NO. 62K74		
	ILLINOIS	FED. AID PROJECT		

1 REV. 1/10/23

GENERAL NOTES

1. Reinforcement bars designated (E) shall be epoxy coated.

2. Prior to pouring the new concrete deck for Expansion Joints Reconstruction and Bridge Deck repairs, all heavy or loose mill scale, and other loose or potentially detrimental foreign material shall be removed from the surfaces in contact with concrete. Tightly adhered paint may remain unless otherwise noted. Removal shall be accomplished by methods that will not damage the steel and the cost will be included in the Concrete Removal pay item. As directed by the Engineer, existing construction accessories welded to the top flange of beams and girders shall be removed. The weld areas shall be ground flush and inspected for cracks using magnetic particle testing (MT) or dye penetrant testing (PT) by qualified personnel approved by the Engineer. Any cracks that cannot be removed by grinding ¼" deep shall be identified and reported to the Bureau of Bridges and Structures for further dispositions. The cost of removing welded accessories, grinding and inspecting weld areas and grinding cracks will be paid for according to Article 109.04 of the Standard Specifications.

3. Plan dimensions and details relative to the existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity furnished at the unit price bid for the work.

4. Cleaning and field painting of structural steel shall be done under a separate painting contract.

5. The existing structural steel coating contains lead. The Contractor shall take appropriate precautions to deal with the presence of lead on this project.

6. Existing reinforcement extended into the removal of area shall be cleaned, straightened and incorporated into the new construction. Any reinforcement bars that are damaged during concrete removal operations shall be replaced using an approved bar splicer or anchorage system. The cost of cleaning shall be included in the cost of Concrete Removal.

7. Bars indicated thus, 3x2-#5, indicates 3 lines of #5 bars with 2 lengths of bar per line.

8. All exposed concrete edges shall have a ¾"x45° chamfer, except where shown otherwise.

9. For SMA overlay on Approach Slab, see Roadway Plans.

10. Protective Coat shall be applied to the top of reconstructed transverse joint areas, top and inside face of the parapets, and top of Latex Concrete overlay.

11. Joint openings shall be adjusted according to Article 520.04 of the Standard Specification when the deck is poured at an ambient temperature other than 50°F.

12. Adjacent I-90/94 reversible bridge is not shown throughout the plans for clarity.

13. The Contractor shall take the necessary precautions for the protection of passing vehicles, bicycles and pedestrians from falling objects and/or materials until completion of work.

14. The Contractor is responsible to remove, support and reinstall all existing electrical conduits interfering with the work. See special provision "Protection and Maintenance of Existing Underpass Luminaires".

15. The Contractor shall exercise caution during Concrete Removal to avoid damaging the steel beams and diaphragms to remain. Any damage to the existing steel beams and/or diaphragms to remain caused by the Contractor in the performance of his/her work shall be repaired by the Contractor, to the satisfaction of the Engineer, at no cost to the Department.

16. The Contractor is responsible to protect the existing conduit and junction box embedded in the parapet during concrete removal and construction. Any damage to the existing conduit and junction box shall be repaired by the Contractor at no additional cost to the Department.

17. Where underpass lighting is present on the structure, the Contractor shall adjust the Protective Shielding to be placed above the existing lighting fixtures in order to maintain the existing level of lighting on the roadway underneath. Details shall be approved by the Engineer before installation.

18. Any adjustment done to the Protective Shield System must not change the system's load carrying capacity (or containment specifications) as indicated in the Standard Specifications. Cost of adjusting shielding is including in the cost of Protective Shield.

19. The Contractor shall contact Chandra Libby, the Director of City of Chicago Department of Family Support Services (DFSS) at 312-746-5443 or Chandra.Libby@cityofchicago.org to coordinate the relocation of persons and their personal belongings under the bridges within the areas bounded by the temporary chain-link-fence.

20. Prior to the application of the Concrete Sealer, the Contractor shall clean all existing debris from the abutment seats. The method of debris removal shall not damage the existing concrete and shall be approved by the Engineer. The debris shall be disposed of according to Art 202.03 of the Std Specs. The cost of cleaning shall be included in the cost of Concrete Sealer.

SCOPE OF WORK

1. Provide Protective Shield within limits indicated on the plans.
2. Scarify ¾" from the bridge deck slab.
3. Perform deck repairs and adjust existing scuppers and inlets as required.
4. Repair existing closed drainage system
5. Remove and Replace Existing PPC I-Beams as shown in the plans.
6. Remove and reconstruct expansion joints at at piers as shown in the plans and install new Preformed Joint Strip Seals.
7. Apply a 3" Bridge Deck Latex Concrete Overlay on Bridge Deck. Apply a 2" Stone-Matrix Asphalt (SMA) Overlay on the Approach Slabs, see Roadway Plans.
8. Perform ¼" Diamond Grinding to top of bridge deck and abutment hatched block.
9. Perform Bridge Deck Grooving (Longitudinal) on traffic lanes.
10. Fiber wrap repair of all spalling, delamination, or failed existing beam repairs beyond the front face of the bearing of PPC Beams.
11. Apply Protective Coat to the top and inside faces of parapets, reconstructed transverse expansion joints and to the surface of the new overlay.
12. Perform Structural Repair of Concrete to the Abutments and Piers as noted in the plans.
13. Perform slope wall repairs.

INDEX OF SHEETS

S08-01-S08-05	General Plan & Elevation I thru V
S08-06	General Data
S08-07-S08-10	Construction Staging and Removal I thru IV
S08-11	Temporary Concrete Barrier
S08-12-S08-16	Bridge Deck Repair Plan and Details I thru V
S08-19-S08-33	Deck & Beam Replacement Details I thru XVIII
S08-34-S08-35	Superstructure Details I & II
S08-36	Drainage Scupper Type A Adjustment Details
S08-37-S08-76	Expansion Joint Details I thru XL
S08-77	Preformed Joint Strip Seal
S08-78-S08-84	Framing Plans I thru VII
S08-85-S08-87	PPC Beam Repair Sections I, II & III
S08-88-S08-99	PPC Beam Repair Tables I thru XII
S08-100-S08-101	36" PPC I-Beam Details I & II
S08-102-S08-103	48" PPC I-Beam Details I & II
S08-104	PPC I-Beam Schedule
S08-105-S08-107	Bearing Details I, II & III
S08-108-S08-112	Existing Bearing Details I thru V
S08-113	South Abutment Repairs
S08-114	North Abutment Repairs
S08-115-S08-136	Pier Repairs I thru XXII
S08-137	Slope Wall Repairs
S08-138	Bar Splicer Assembly Details

TOTAL BILL OF MATERIAL

	ITEM	UNIT	SUPER	SUB	TOTAL
	Porous Granular Embankment	Cu Yd		6	6
	Concrete Removal	Cu Yd	343.1		343.1
	Slope Wall Removal	Sq Yd		6	6
	Protective Shield	Sq Yd	3,070		3,070
	Concrete Superstructure	Cu Yd	359.3		359.3
	Protective Coat	Sq Yd	16,380		16,380
	Furnishing and Erecting Precast Prestressed Concrete I-Beams, 36 In.	Foot	113		113
	Furnishing and Erecting Precast Prestressed Concrete I-Beams, 48 In.	Foot	1,778		1,778
	Reinforcement Bars, Epoxy Coated	Pound	68,420		68,420
	Bar Splicers	Each	76		76
	Mechanical Splicers	Each	6,252		6,252
	Slope Wall 4 Inch	Sq Yd		6	6
	Preformed Joint Seal 1"	Foot	125		125
	Preformed Joint Strip Seal	Foot	1,465		1,465
	Elastomeric Bearing Assembly, Type I	Each	30		30
	Anchor Bolts, 1"	Each	120		120
	Concrete Sealer	Sq Ft		6,259	6,259
	Epoxy Crack Injection	Foot		230	230
	Slope Wall Crack Sealing	Foot		81	81
	Acrylic Coating	Sq Yd	1,283		1,283
	Fiber Wrap	Sq Ft	11,458		11,458
	Protect and Maintain Existing Underpass Luminaire	L Sum		0.076	0.076
	Bridge Drainage System Repair	Foot		45	45
	Bridge Deck Grooving (Longitudinal)	Sq Yd	10,394		10,394
1	Cleaning and Painting Bearings	Each	544		544
	Removal of Existing Concrete I-Beam	Each	30		30
	Removal of Existing Bearings	Each	60		60
	Bridge Deck Latex Concrete Overlay, 3 Inches	Sq Yd	14,282		14,282
1					
	Cleaning Drainage System	L Sum		0.25	0.25
	Bridge Deck Scarification 3/4"	Sq Yd	14,282		14,282
	Structural Repair of Concrete (Depth Equal to or less than 5 Inches)	Sq Ft		2,490	2,490
	Structural Repair of Concrete (Depth Greater Than 5 Inches)	Sq Ft		140	140
	Debris Removal	L Sum		0.5	0.5
	Deck Slab Repair (Full Depth, Type I)	Sq Yd	1.0		1.0
	Deck Slab Repair (Full Depth, Type II)	Sq Yd	8.8		8.8
	Drainage Scuppers to be Adjusted	Each	20		20
	Diamond Grinding (Bridge Section)	Sq Yd	14,510		14,510
	Maintenance of Lighting System	Cal Mo	6		6
	Precast Prestressed Concrete I-Beam Repair	Sq Ft	136		136
	Temporary Shoring and Cribbing	Each	12		12

GRÄEF
8501 W. Higgins Road; Suite 280
Chicago, Illinois 60631; (773) 399-0112

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PLOT SCALE =	DRAWN - D.C.P.	REVISED	
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL DATA
SN 016-0133 (SB)
SHEET S08-06 OF S08-138 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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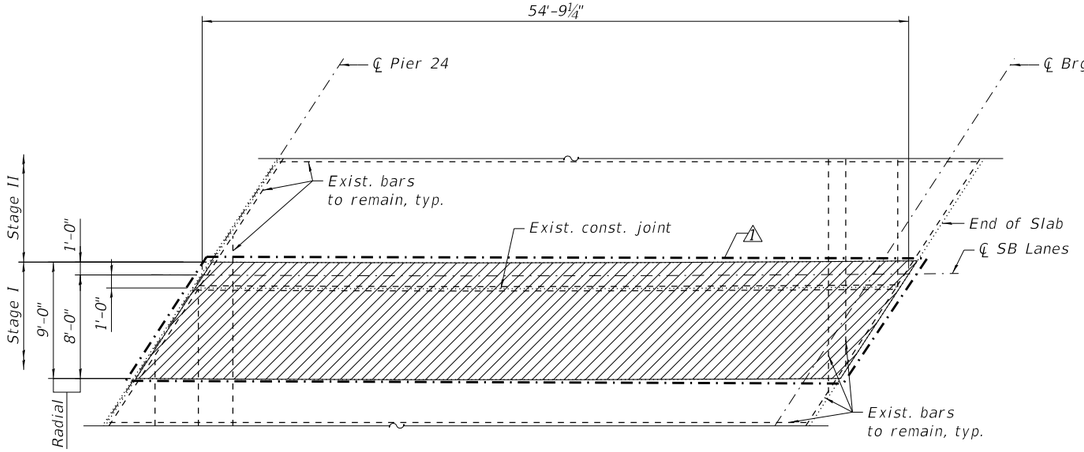
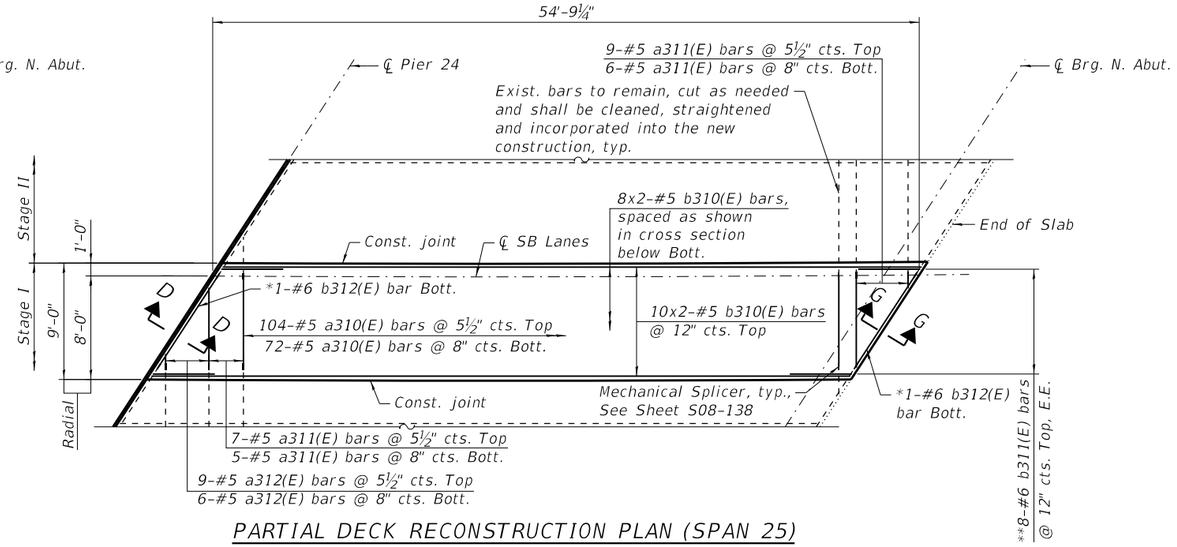
		CONTRACT NO. 62K74		
	ILLINOIS FED. AID PROJECT			

1 REV. 1/10/23



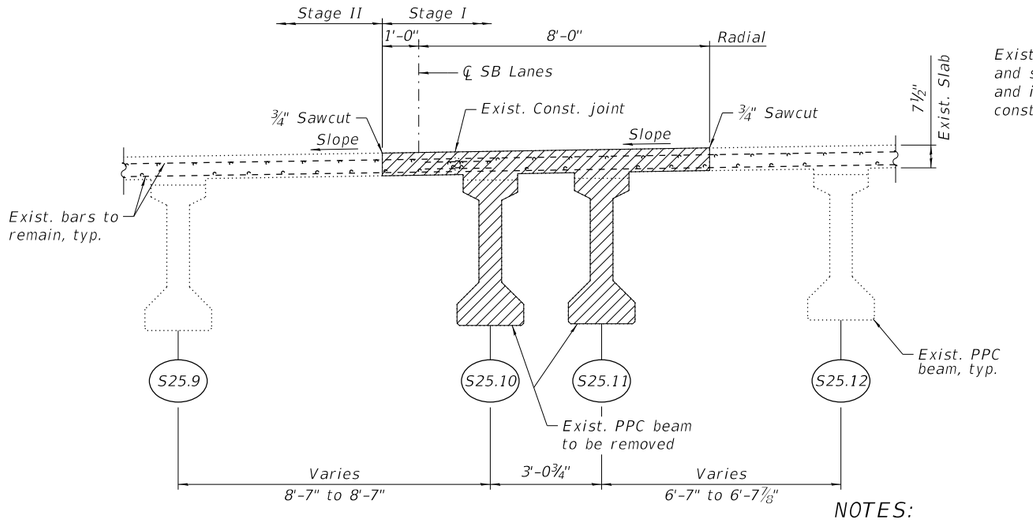
PARTIAL DECK PLAN REMOVAL (SPAN 25)



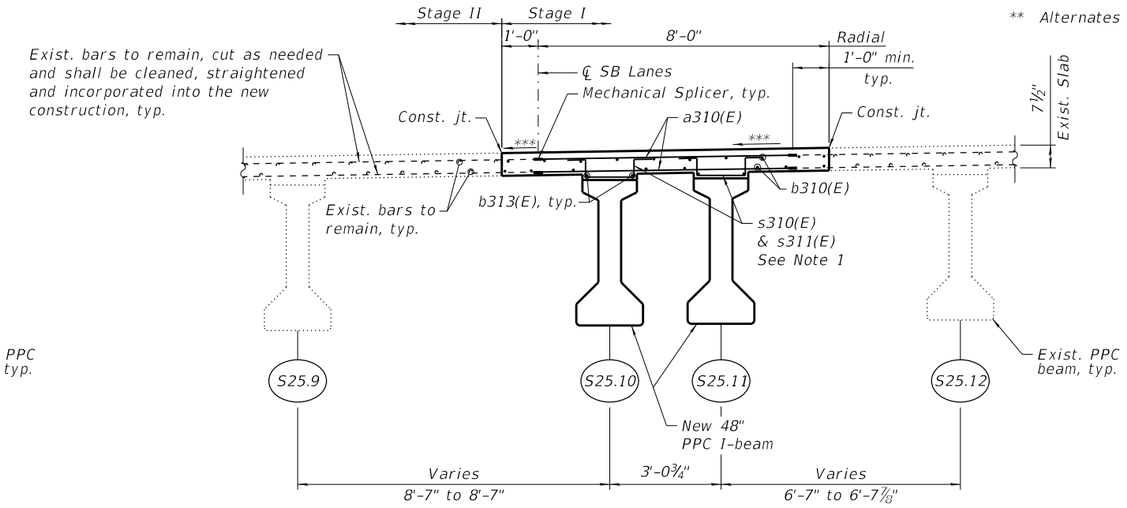
PARTIAL DECK RECONSTRUCTION PLAN (SPAN 25)

* For additional reinforcement, see Sheet S08-74 & S08-75.

** Alternates with #5 b310(E) bars



PARTIAL CROSS SECTION REMOVAL (SPAN 25)



PARTIAL CROSS SECTION RECONSTRUCTION (SPAN 25)

*** Match existing slope

LEGEND

Concrete Removal and Removal of Existing Concrete I-Beam

E.E. Each End

NOTES:

1. For section D-D, G-G, Diaphragm details, Bill of Material and Beam Fillet Reinforcement see Sheet S08-33 to S08-35.
2. Cut #5 a311(E) and a312(E) bars to fit skew.
3. Expansion joint removals and replacements not shown for clarity.

GRÄEF
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STATE OF ILLINOIS
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DECK & BEAM REPLACEMENT DETAILS (SPAN 25)
SN 016-0133 (SB)
SHEET S08-29 OF S08-138 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	2020-004-BR	COOK	1492	724
		CONTRACT NO. 62K74		
	ILLINOIS	FED. AID PROJECT		

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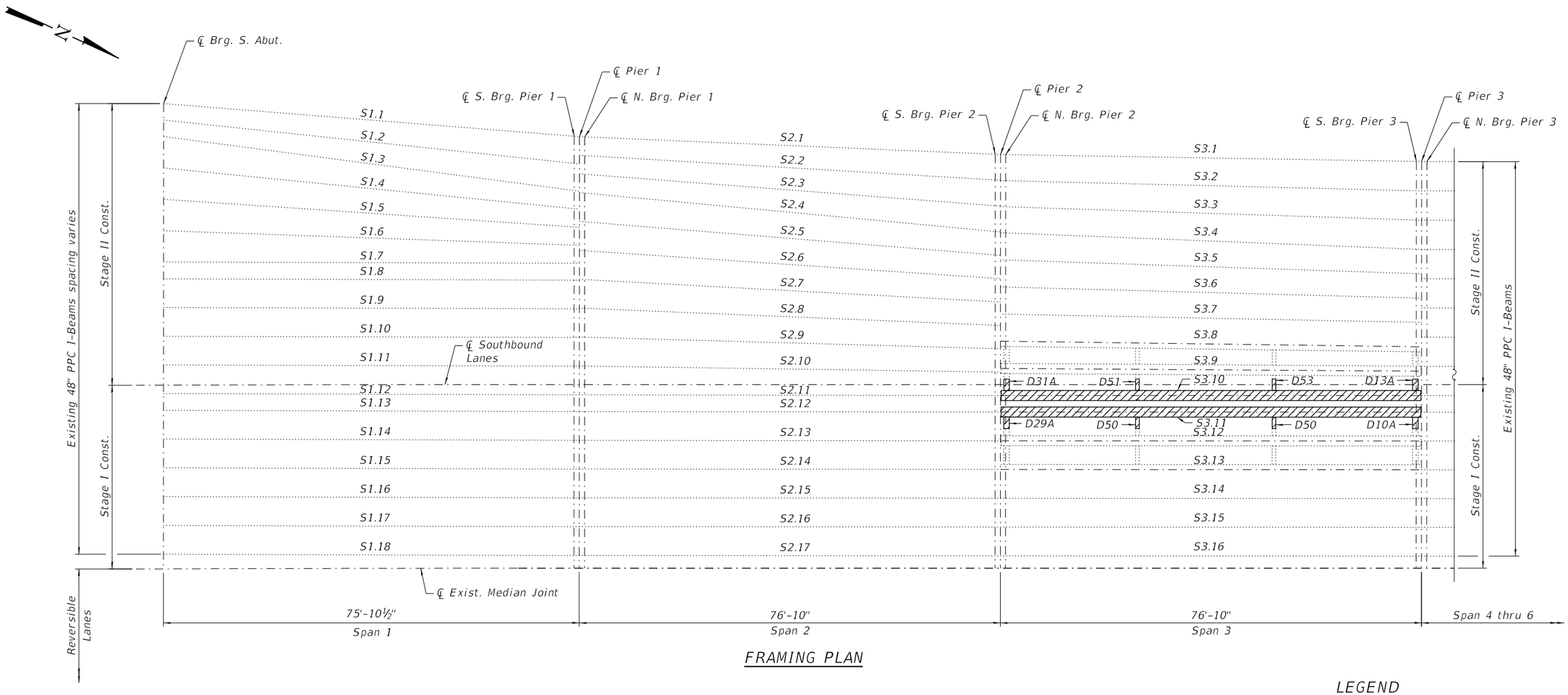

FRAMING PLAN

LEGEND

Remove and Replace beam and diaphragm

SX.X — Span Number / Beam Number — Beam mark, see sheets S08-17 thru S08-32

DXX(X) — Diaphragm mark, see schedule sheet S08-33

NOTES:

1. Repairs shown are based on field inspection. Conditions in field may have changed. Verify all dimensions in the field prior to ordering any material or commencement of any work.
2. It is the Contractor's responsibility to work around existing utilities in the Fiber Wrap Repair Area.
3. It is the Contractor's responsibility to remove any protrusions in the concrete in the Fiber Wrap Repair Area.
4. Repair method for delamination and/or spall shall require Precast Prestressed Concrete I-Beam Repair prior to Fiber Wrap Repair.
5. Surface must be clean, sound and dry. Remove dust, laitance, grease, curing compounds, impregnations, waxes, foreign articles, disintegrated materials, and other bond inhibiting materials from the surface.
6. Existing uneven surfaces must be filled with an appropriate polymer concrete.
7. Cracks with greater than 0.012 inch must be stabilized using epoxy injection methods. Use Manufacturer's data sheets for information on mixing epoxy resin.
8. Prior to placing the fiber wrap material, the concrete surface is to be sandblasted and cleaned.
9. Beam corners shall be rounded to at least ¾" radius and smoothed to a surface finish prior to application of fibers.
10. System is vapor barrier. Don't encapsulate concrete if any surface moisture is present.
11. Carbon Fabric is non-reactive. However, caution must be used when handling since a fine "Carbon Dust" may be present on the surface. Gloves and protective face masks must, therefore, be worn to protect against any respiratory problems and skin irritation. Wrap the identified girders with the specified number of wraps as indicated on sheets S08-88 thru S08-99.
12. For Beam Repair Details, see sheets S08-85 thru S08-87.
13. For General Notes and Total Bill of Material, see sheet S08-06.
14. The Contractor is responsible to remove and relocate existing utilities interfering with the work.
15. For Typical Fiber Wrap Repair Type Details, see Sheet S08-85 thru S08-87.
16. For Bearing Painting Notes, see Sheet S08-79.

BILL OF MATERIAL

	ITEM	UNIT	QUANTITY
	Acrylic Coating	Sq Yd	1,283
	Fiber Wrap	Sq Ft	11,458
1	Cleaning and Painting Bearings	Each	544
	Removal of Existing Concrete I-Beams	Each	30
	Removal of Existing Bearings	Each	60
1			
	Precast Prestressed Concrete I-Beam Repair	Sq Ft	136

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Chicago, Illinois 60631; (773) 399-0112

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PLOT DATE =	CHECKED -	K.G.W.	REVISED	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FRAMING PLAN REPAIRS I
SN 016-0133 (SB)
SHEET S08-78 OF S08-138 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	2020-004-BR	COOK	1492	773
		CONTRACT NO. 62K74		
	ILLINOIS FED. AID PROJECT			

1 REV. 1/10/23

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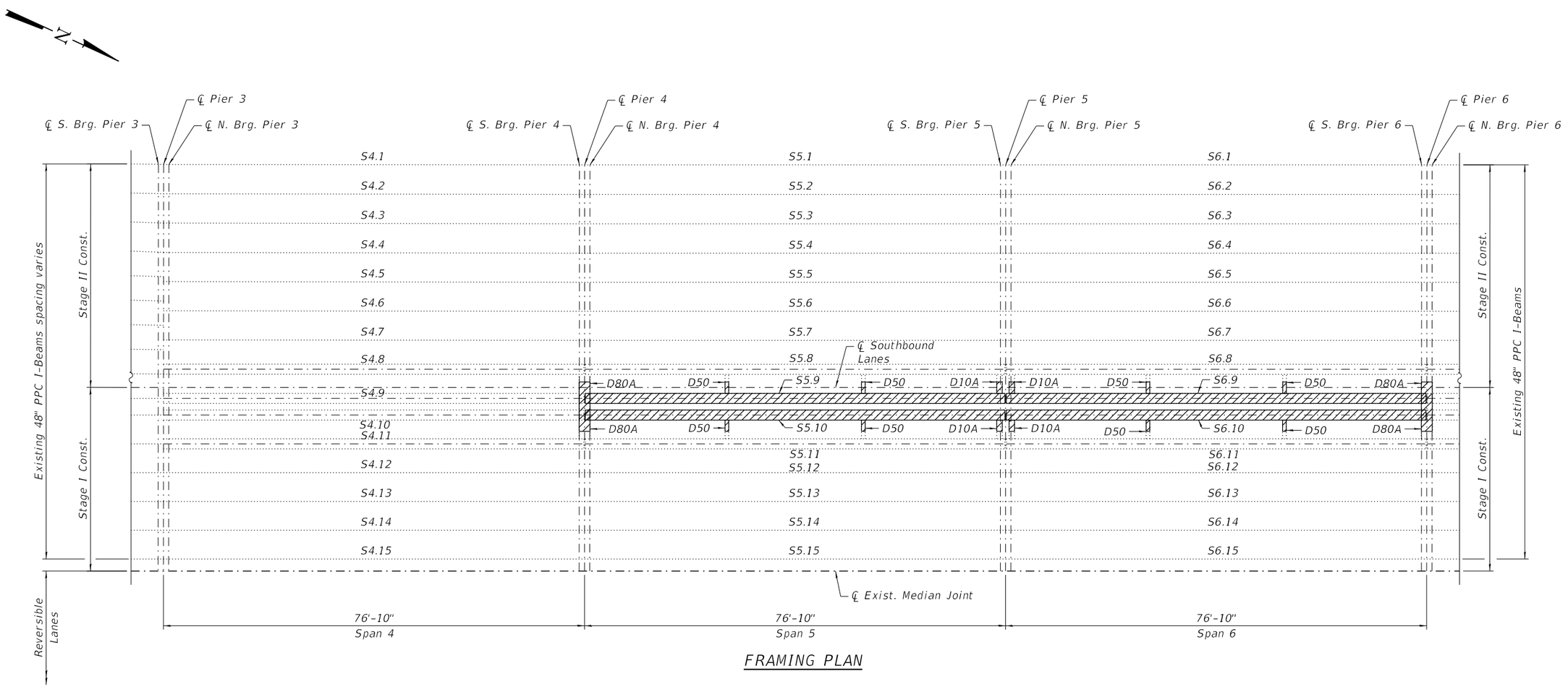

FRAMING PLAN

NOTES:

1. For bearing locations, see Sheets S08-88 thru S08-99 and for existing plans, Sheets S08-108 thru S08-112.
2. Only the existing bearings under the PPC I-beams shall be cleaned and painted. This cleaning and painting shall be preformed before FRP repairs for the PPC I-Beams.
3. Cleaning and painting of the existing structural steel shall be specified in the Special Provision for "Cleaning and Painting Bearings".
4. All Bearings shall be cleaned per Commercial Grade Power Tool Cleaning (SSPC-SP-15).
5. All ends of beams and diaphragms shall be protected during the cleaning and painting. Any damage to the adjacent surfaces (including, but not limited to, adjacent steel beams and diaphragms) shall be repaired at no additional cost to the Department.
6. The designated areas cleaned per Commercial Grade Power Tool Cleaning (SSPC-SP-15) shall be painted according to the requirements of Paint System 1 – Organic Zinc-Rich Primer / Epoxy Intermediate Coat / Urethane Top Coat (OZ/E/U). The color of the final finish coat for all steel surfaces shall be Gray, Munsell No. 5B 7/1.

CLEANING AND PAINTING BEARING SCHEDULE

SPAN	NUMBER OF BEARINGS	SPAN	NUMBER OF BEARINGS
Span 1	36	Span 14	8
Span 2	34	Span 15	N/A
Span 3	32	Span 16	N/A
Span 4	30	Span 17	6
Span 5	26	Span 18	14
Span 6	26	Span 19	26
Span 7	30	Span 20	22
Span 8	30	Span 21	18
Span 9	20	Span 22	22
Span 10	24	Span 23	22
Span 11	32	Span 24	40
Span 13	20	Span 25	26

LEGEND

Remove and Replace beam and diaphragm

SX.X — Span Number / Beam Number: Beam mark, see sheets S08-17 thru S08-32

DXX(X): Diaphragm mark, see schedule sheet S08-33

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PLOT SCALE =	DRAWN -	D.C.P.	REVISED	
PLOT DATE =	CHECKED -	K.G.W.	REVISED	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FRAMING PLAN REPAIRS II
SN 016-0133 (SB)
SHEET S08-79 OF S08-138 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	2020-004-BR	COOK	1492	774
		CONTRACT NO. 62K74		
	ILLINOIS	FED. AID PROJECT		

1 REV. 1/10/23

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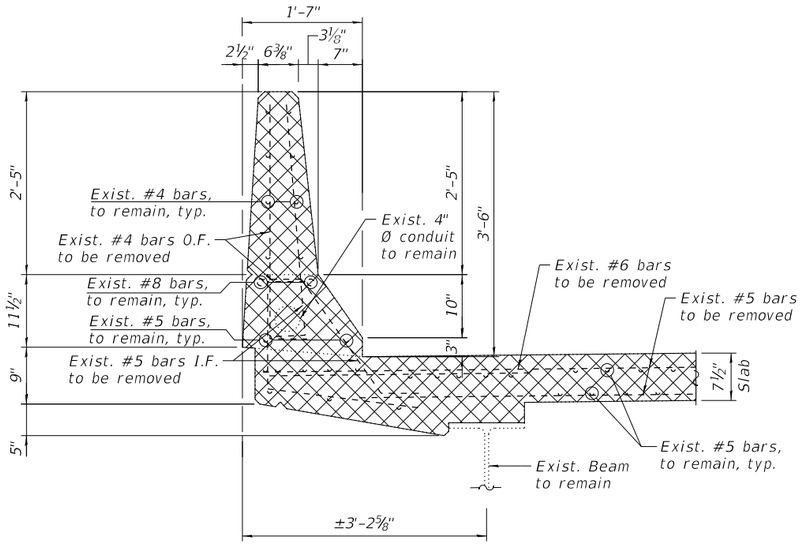
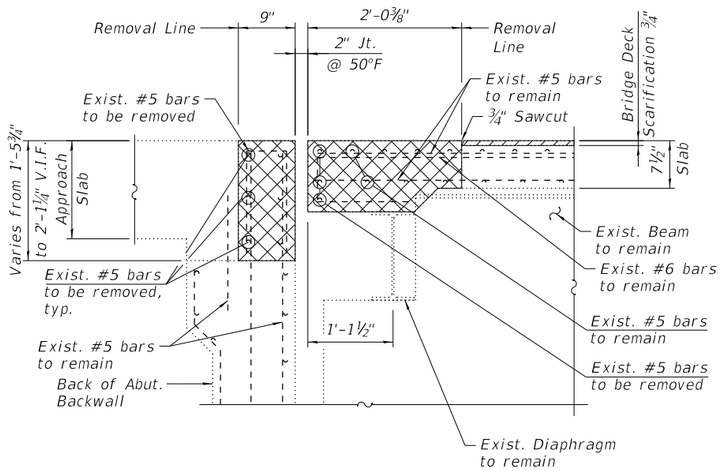
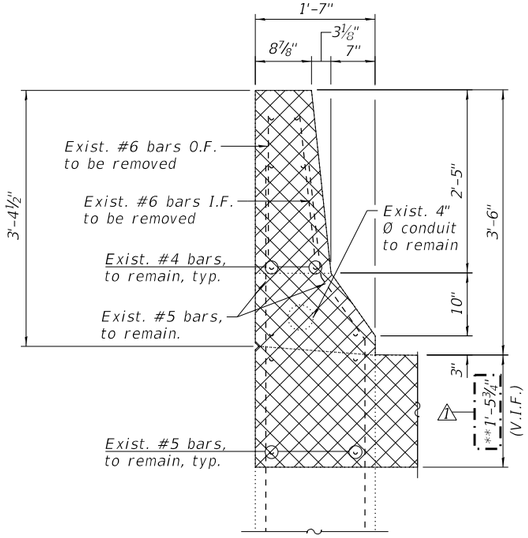


SECTION A-A

(West parapet removal)

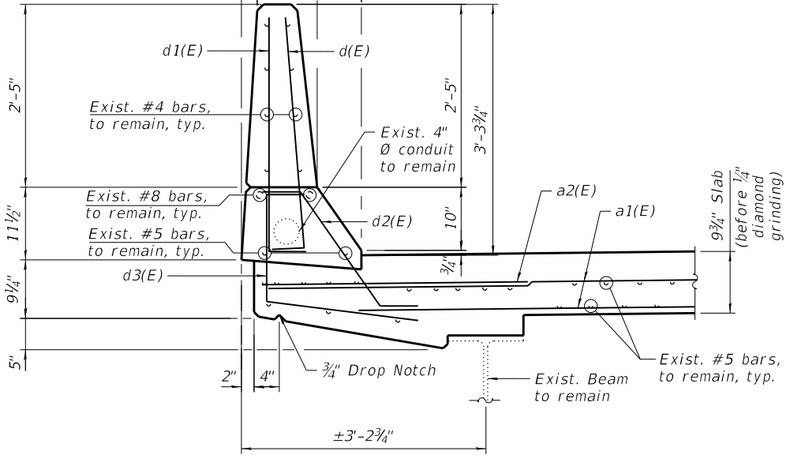


SECTION B-B



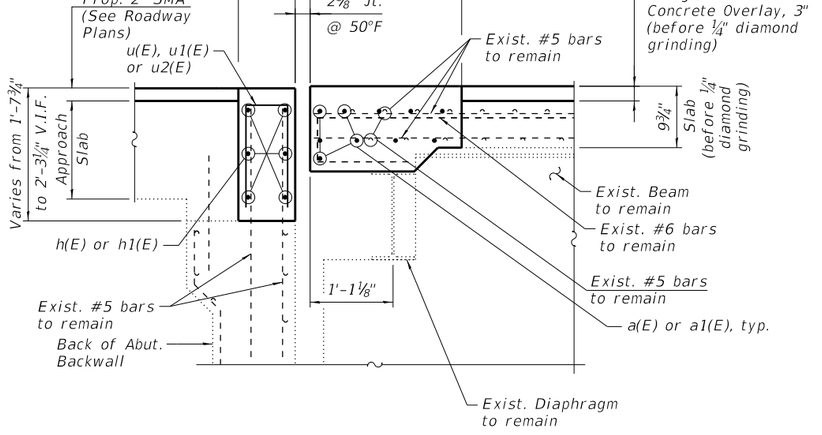
SECTION C-C

(West parapet removal)

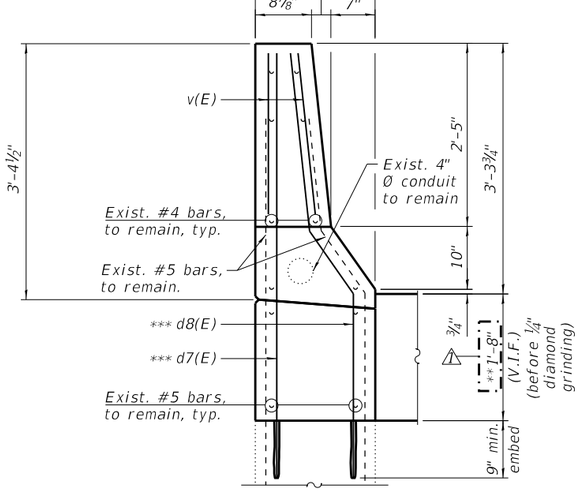


SECTION AA-AA

(West parapet reconstruction)



SECTION BB-BB



SECTION CC-CC

(West parapet reconstruction)

LEGEND

**	Dimension is taken at the Back of Abut.		Concrete Removal
***	Epoxy grout #4 d7(E) & #5 d8(E) bars in 9" min. holes in accordance with Section 508 of the Standard Specifications.	I.F.	Inside Face
		O.F.	Outside Face
		V.I.F.	Verify in Field

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOUTH ABUTMENT EXPANSION JOINT DETAILS II
SN 016-0132 (SB)

SHEET S09-08 OF S09-24 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	2020-004-BR	COOK	1492	841
		CONTRACT NO. 62K74		
	ILLINOIS	FED. AID PROJECT		

⚠1 REV. 1/10/23

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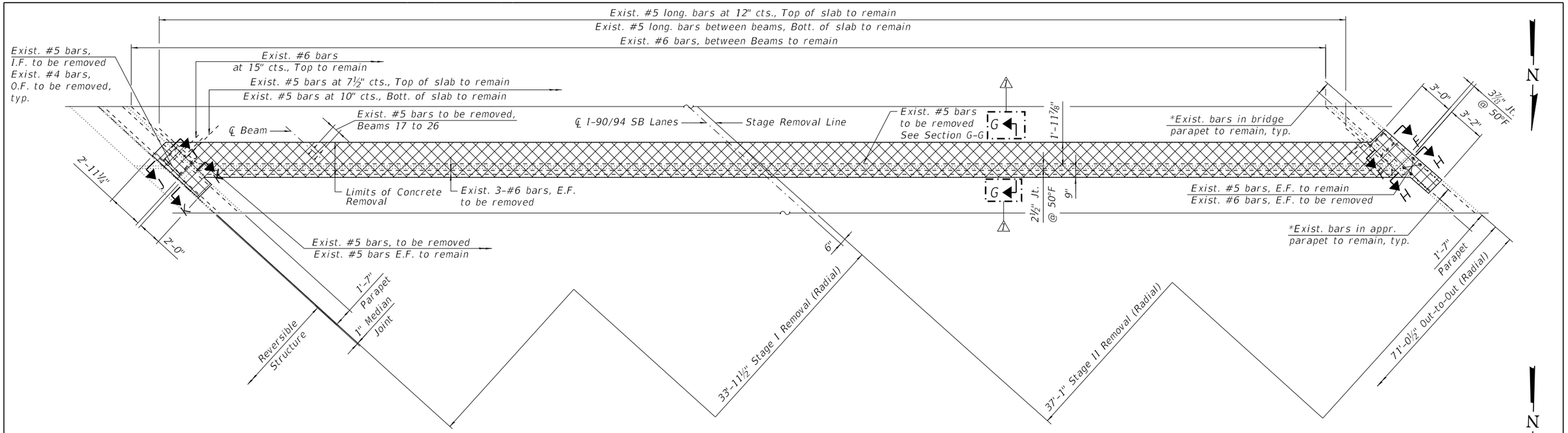
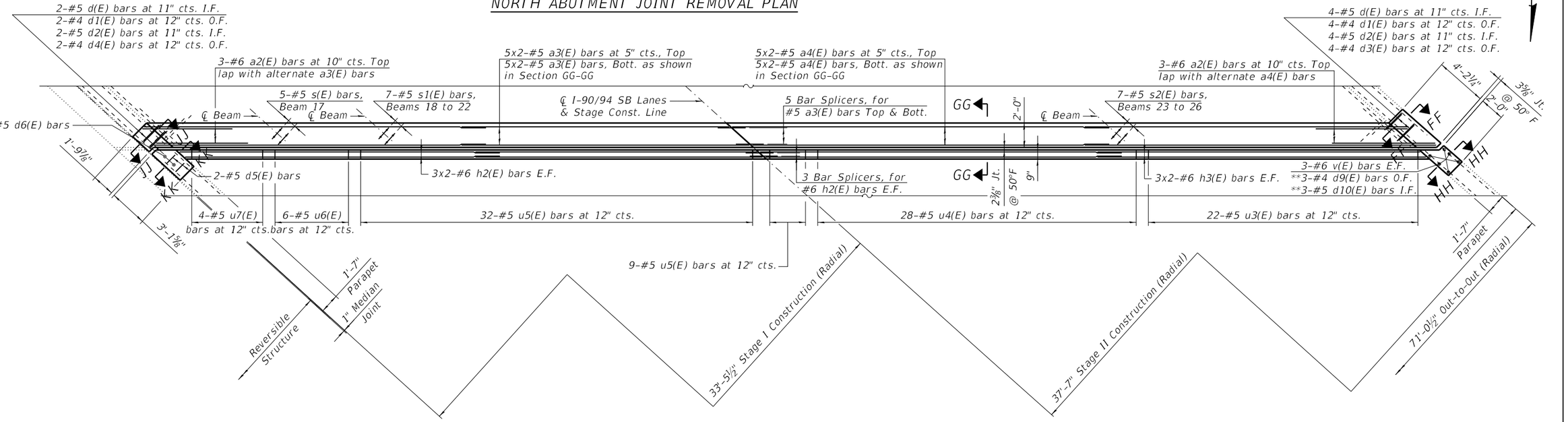


NORTH ABUTMENT JOINT REMOVAL PLAN



NORTH ABUTMENT JOINT RECONSTRUCTION PLAN

NOTES:

1. For sections F-F, G-G, H-H, FF-FF, GG-GG and HH-HH, see sheet S09-11.
2. For sections J-J, K-K, JJ-JJ and KK-KK, see sheet S09-12.

* Existing longitudinal bars to remain in the parapets can be cut in the field as required

** Epoxy grout #4 d9(E) and #5 d6(E) and d10(E) bars in 9" min. holes in accordance with Section 508 of the Standard Specifications.

*** Cut in field to fit skew.

LEGEND

	Concrete Removal
I.F.	Inside Face
O.F.	Outside Face
E.F.	Each Face

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

NORTH ABUTMENT EXPANSION JOINT DETAILS I
SN 016-0132 (SB)
SHEET S09-10 OF S09-24 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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		CONTRACT NO. 62K74		
	ILLINOIS FED. AID PROJECT			

1 REV. 1/10/23

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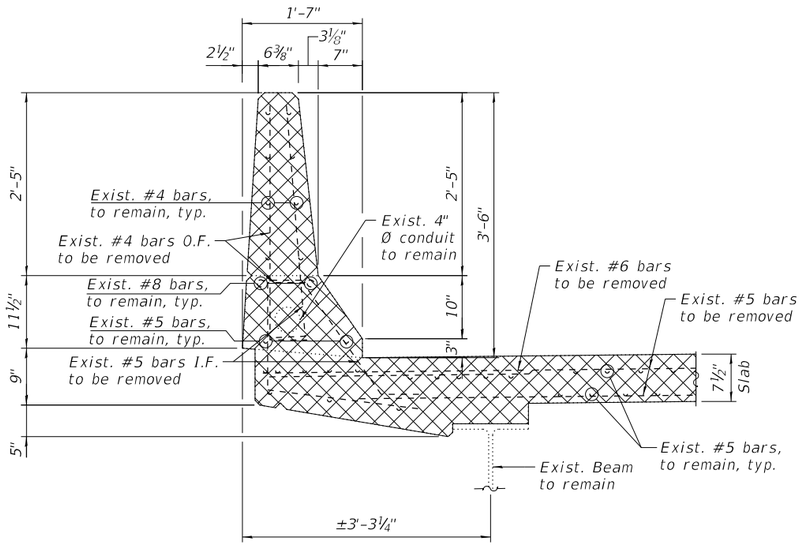
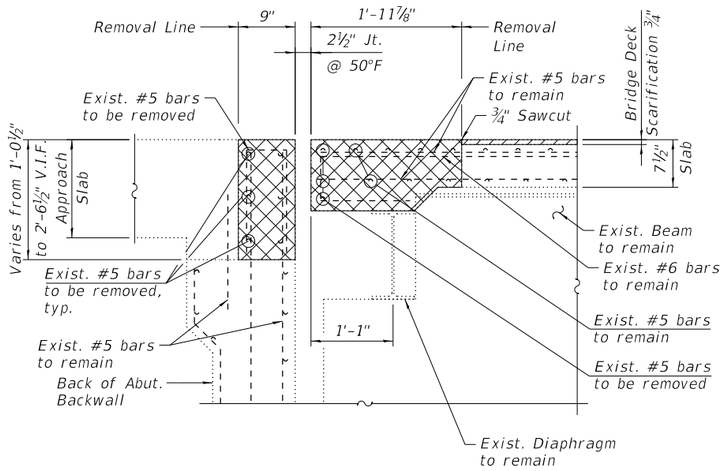
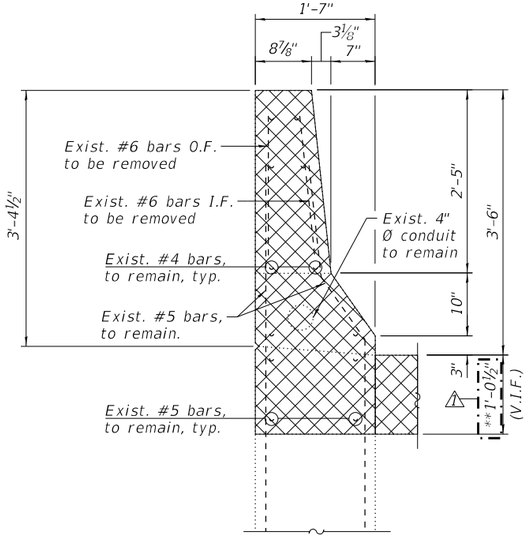


SECTION F-F

(West parapet removal)

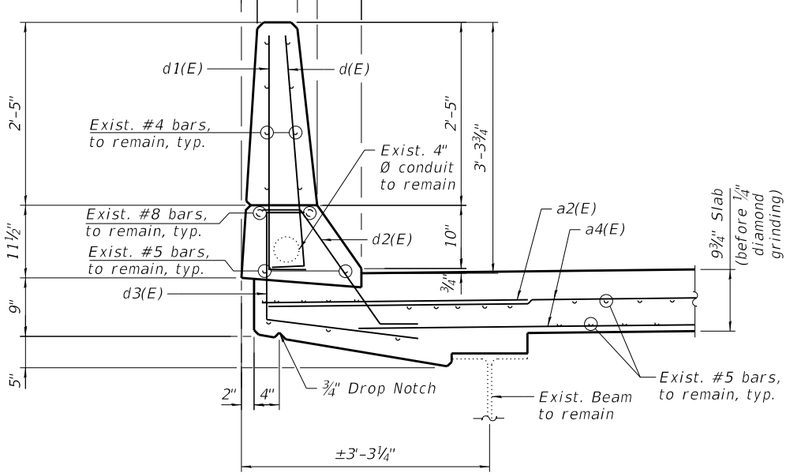


SECTION G-G



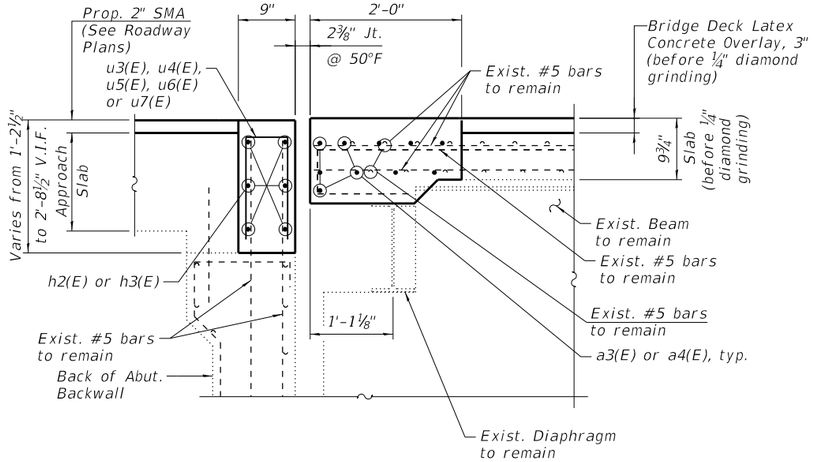
SECTION H-H

(West parapet removal)

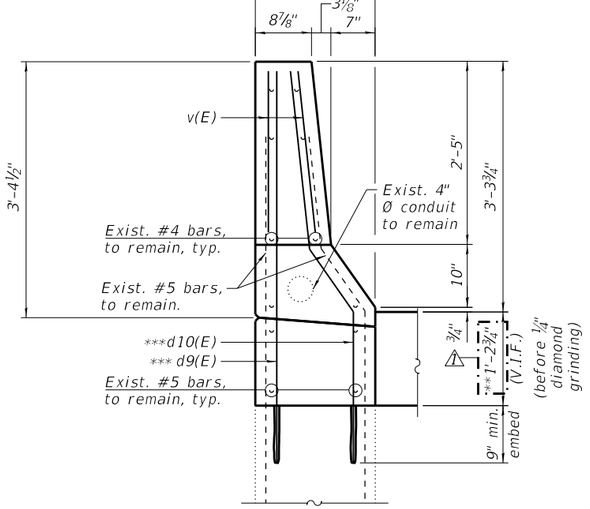


SECTION FF-FF

(West parapet reconstruction)



SECTION GG-GG



SECTION HH-HH

(West parapet reconstruction)

LEGEND

**	Dimension is taken at the Back of Abut.	Concrete Removal
***	Epoxy grout #4 d9(E) & #5 d10(E) bars in 9" min. holes in accordance with Section 508 of the Standard Specifications.	I.F. Inside Face
		O.F. Outside Face
		V.I.F. Verify in Field

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

NORTH ABUTMENT EXPANSION JOINT DETAILS II
SN 016-0132 (SB)

SHEET S09-11 OF S09-24 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	2020-004-BR	COOK	1492	844
		CONTRACT NO. 62K74		
	ILLINOIS FED. AID PROJECT			

⚠1 REV. 1/10/23

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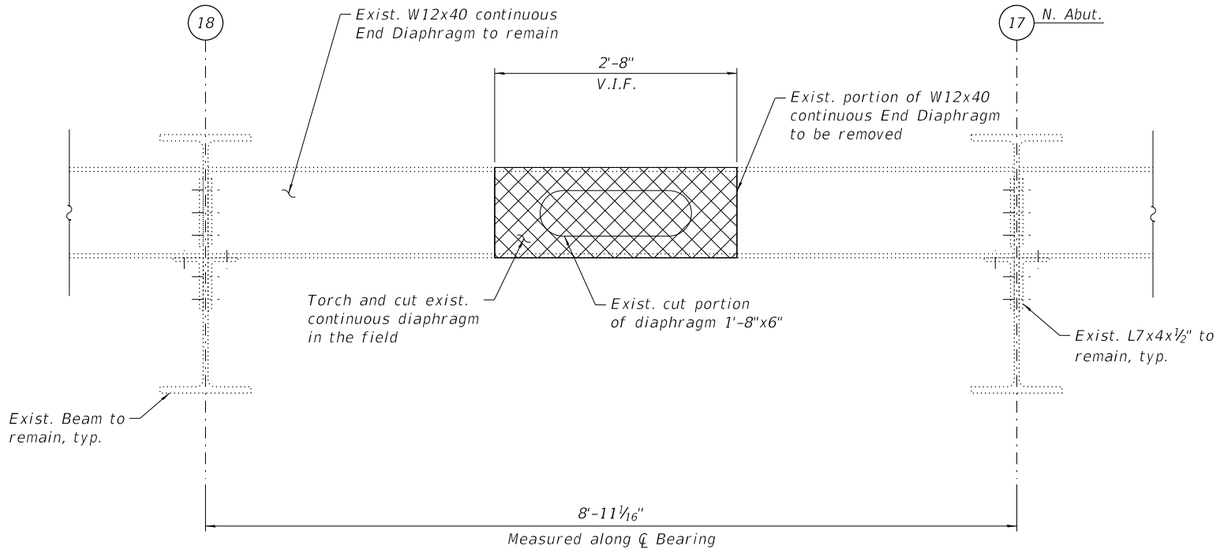
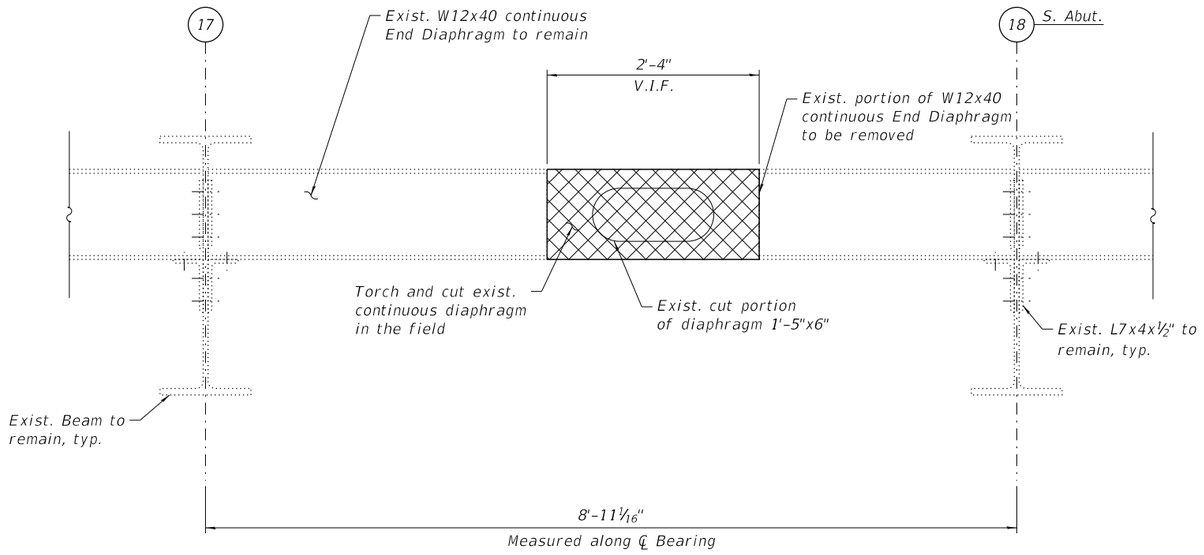


END DIAPHRAGM REPAIR
(Showing approximate size & hole location)



END DIAPHRAGM REPAIR
(Showing approximate size & hole location)

NOTES:

1. For location of Diaphragm Repair and Bill of Material, see Sheet S09-14.
2. All Structural Steel shall conform to the requirements of AASHTO M270 Grade 36.
3. Diaphragm repair plate holes shall be 15/16" for ¾" bolts. Fasteners shall be ASTM A325 Type 1, mechanically galvanized bolts.
4. All proposed diaphragm repair plates, angles, bolts, nuts and washers shall be paid for as Furnishing and Erecting Structural Steel.

LEGEND

Structural Steel Removal

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STRUCTURAL STEEL REPAIR DETAILS
SN 016-0132 (SB)
SHEET S09-15 OF S09-24 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	2020-004-BR	COOK	1492	848
		CONTRACT NO. 62K74		
	ILLINOIS FED. AID PROJECT			

1 REV. 1/10/23

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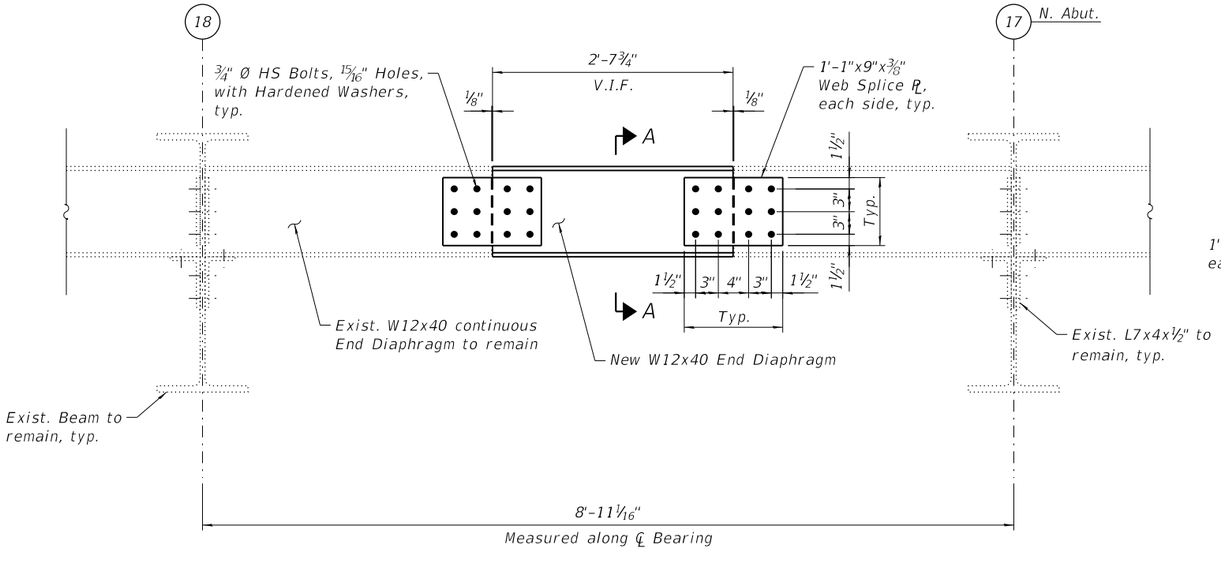
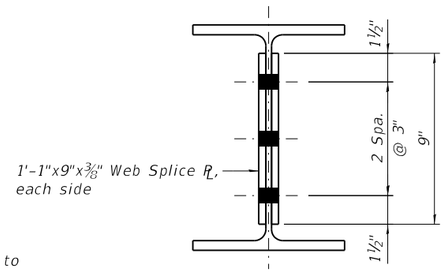
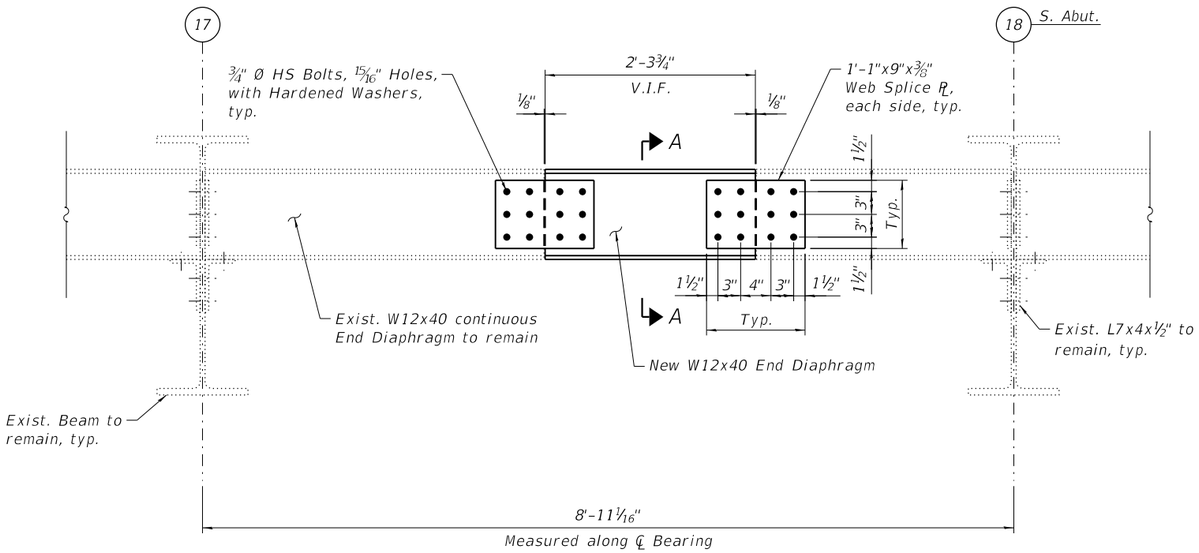


END DIAPHRAGM REPAIR



SECTION A-A



END DIAPHRAGM REPAIR

NOTES:

1. For location of Diaphragm Repair and Bill of Material, see Sheet S09-14.
2. All Structural Steel shall conform to the requirements of AASHTO M270 Grade 36.
3. Diaphragm repair plate holes shall be 15/16" for ¾" bolts. Fasteners shall be ASTM A325 Type I, mechanically galvanized bolts.
4. All proposed diaphragm repair plates, angles, bolts, nuts and washers shall be paid for as Furnishing and Erecting Structural Steel.
5. The cost of all field drilling shall be included in the cost of Furnishing and Erecting Structural Steel.

LEGEND

- Shop drill holes in new steel. Use new steel as a template to field drill holes in existing steel.

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STRUCTURAL STEEL REPAIR DETAILS II
SN 016-0132 (SB)
SHEET S09-16 OF S09-24 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	2020-004-BR	COOK	1492	849
		CONTRACT NO. 62K74		
	ILLINOIS FED. AID PROJECT			

1 REV. 1/10/23

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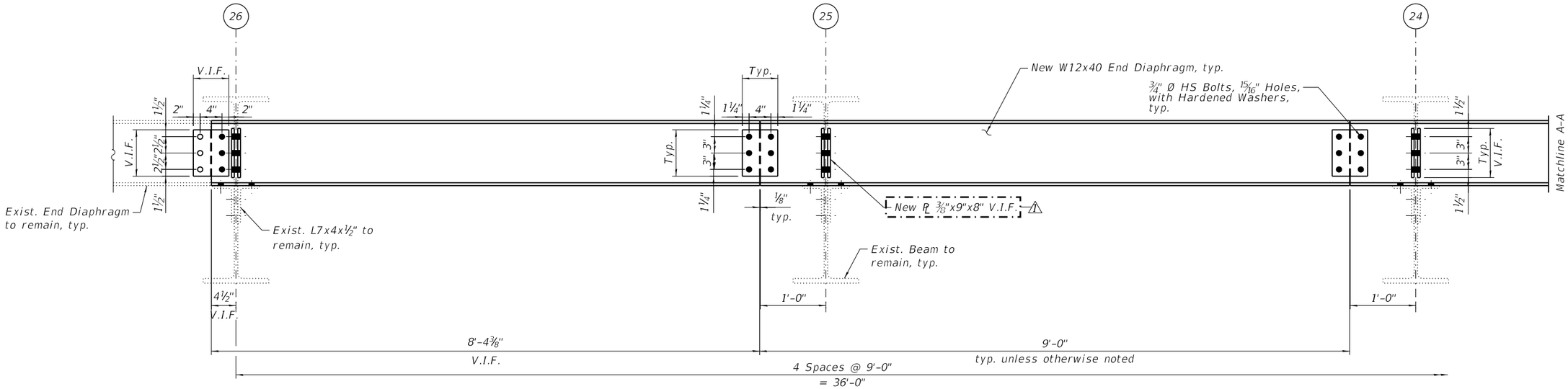
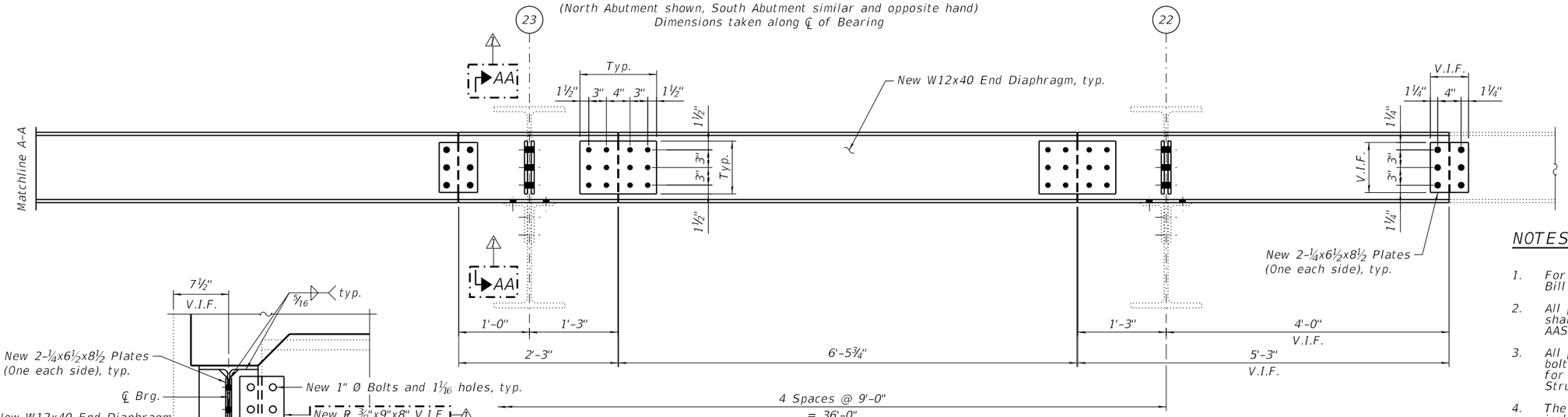
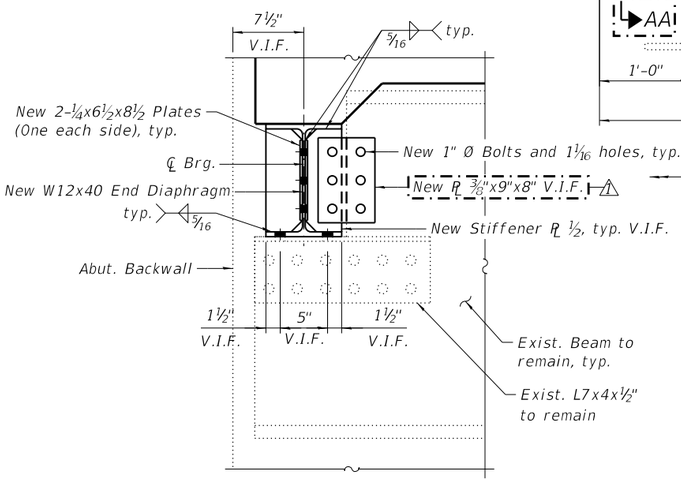


NEW END DIAPHRAGM REPLACEMENT

(North Abutment shown, South Abutment similar and opposite hand)
Dimensions taken along ℄ of Bearing





SECTION AA-AA

NOTES:

1. For location of Diaphragm Repair and Bill of Material, see Sheet S09-14.
2. All proposed diaphragm repair plates shall conform to the requirements of AASHTO M270 Grade 36.
3. All proposed diaphragm repair plates, bolts, nuts and washers shall be paid for as Furnishing and Erecting Structural Steel.
4. The cost of all field drilling shall be included in the cost of Furnishing and Erecting Structural Steel.
5. Existing structural steel that will be in contact with new structural steel shall be cleaned and painted prior to erection. Cost shall be included with Furnishing and Erecting Structural Steel.
6. Existing diaphragm and connection plate removal shall be paid for as Structural Steel Removal.

LEGEND

- ● Shop drill holes in new steel.
- ○ Field drill holes in new steel using existing steel as template

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USER NAME =	DESIGNED - J.T.B.	REVISED 1 1/6/2023 J.T.B.	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STRUCTURAL STEEL REPAIR DETAILS IV SN 016-0132 (SB)	
	CHECKED - H.A.	REVISED -			
PLOT SCALE =	DRAWN - J.T.B.	REVISED -			
PLOT DATE =	CHECKED - K.G.W.	REVISED -		SHEET S09-18 OF S09-24 SHEETS	

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	2020-004-BR	COOK	1492	851
		CONTRACT NO. 62K74		
	ILLINOIS FED. AID PROJECT			

1 REV. 1/10/23

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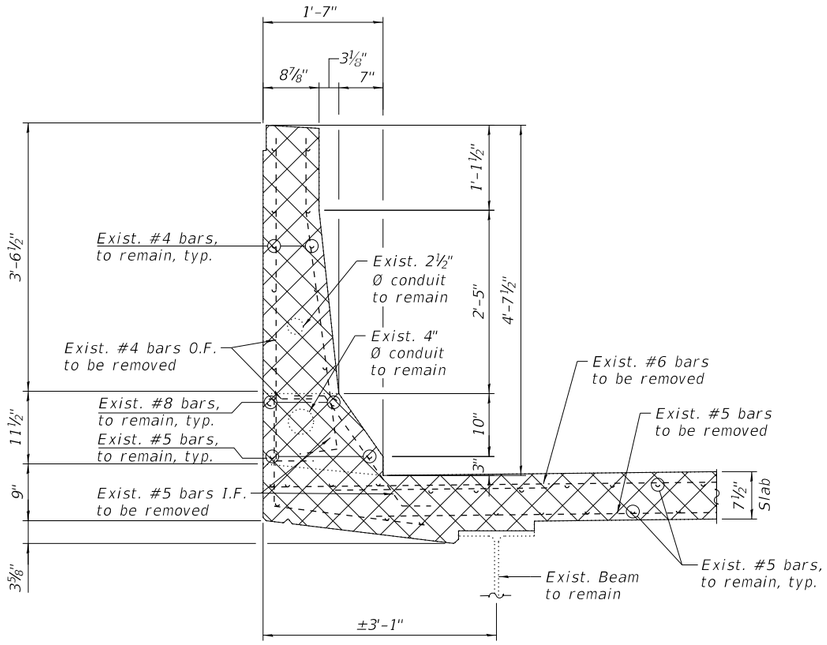
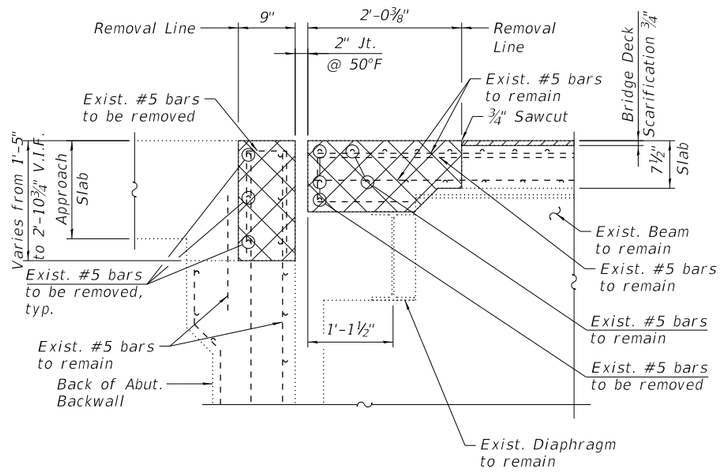
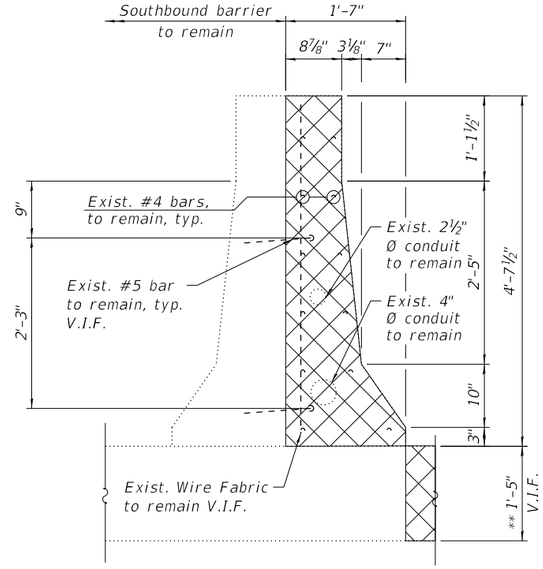


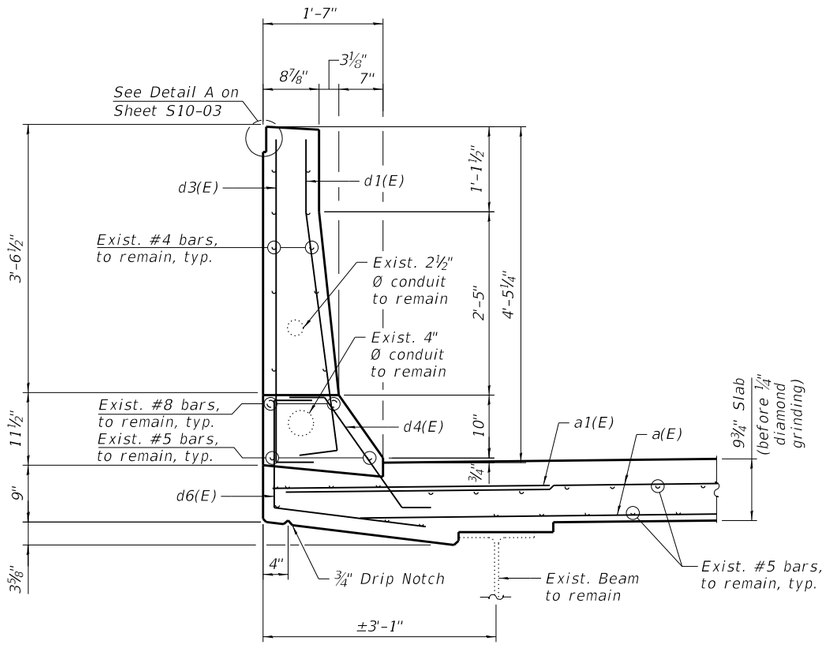
SECTION A-A
(West parapet removal)



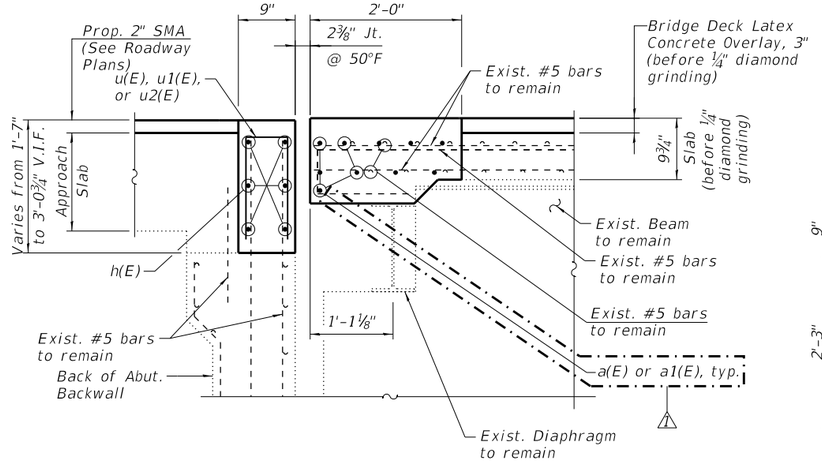
SECTION B-B



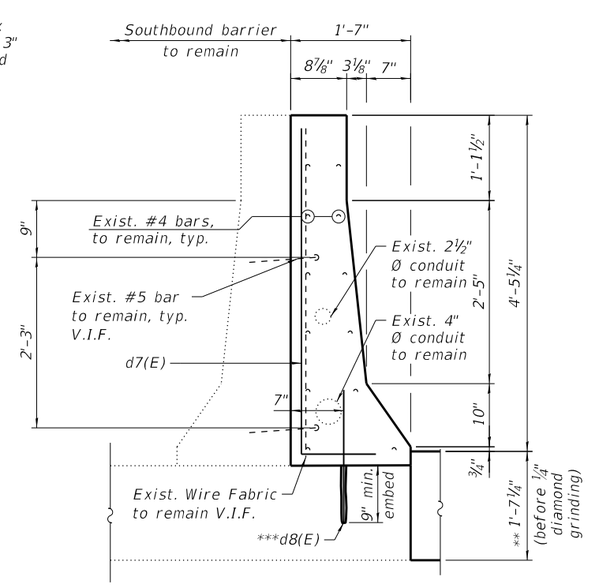
SECTION C-C
(West parapet removal)



SECTION AA-AA
(West parapet reconstruction)



SECTION BB-BB



SECTION CC-CC
(West parapet reconstruction)

LEGEND

	Concrete Removal
I.F.	Inside Face
O.F.	Outside Face
V.I.F.	Verify in Field

** Dimension is taken at the Back of Abut.

*** Epoxy grout #5 d8(E) bars in 9" min. holes in accordance with Section 508 of the Standard Specifications.

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOUTH ABUTMENT EXPANSION JOINT DETAILS II
SN 016-0132 (REV)
SHEET S10-05 OF S10-18 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	2020-004-BR	COOK	1492	862
		CONTRACT NO. 62K74		
	ILLINOIS FED. AID PROJECT			

⚠1 REV. 1/10/23

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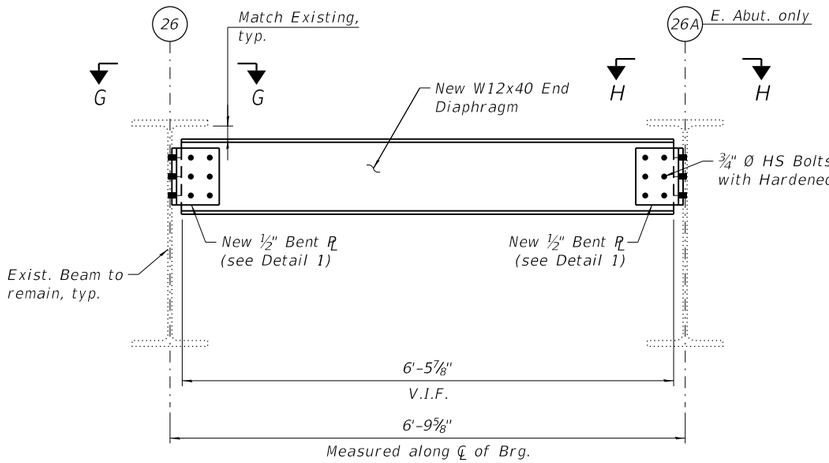
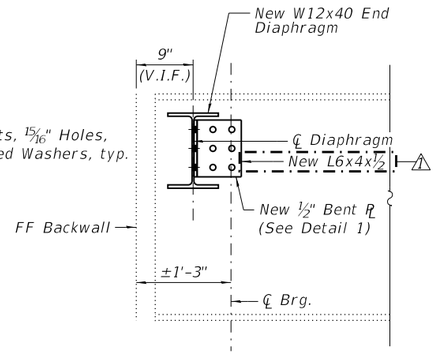
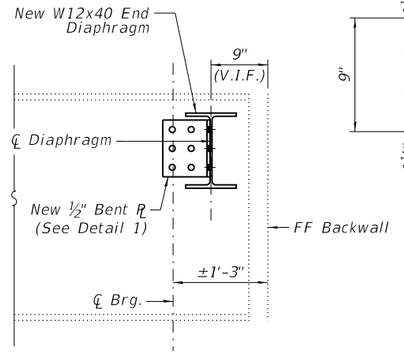


SECTION F-F

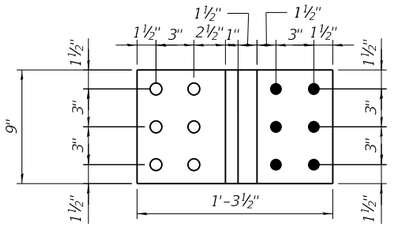
(1 Required)



SECTION J-J

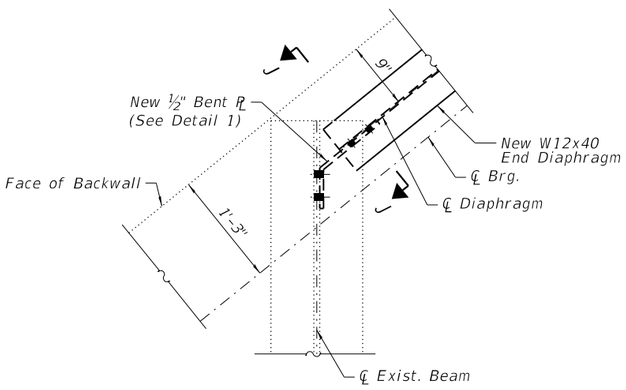


SECTION K-K

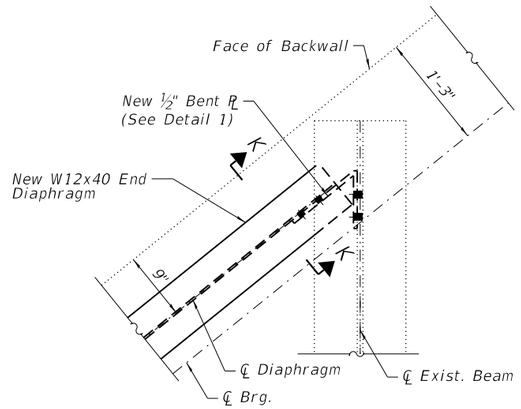


DETAIL 1

(Unfolded Elevation)



SECTION G-G



SECTION H-H

NOTES

1. For location of Diaphragm Repair and Bill of Material, see Sheet S13-14.
2. All proposed diaphragm repair plates and angles shall conform to the requirements of AASHTO M270 Grade 36.
3. All proposed diaphragm repair plates, angles, bolts, nuts and washers shall be paid for as Furnishing and Erecting Structural Steel.
4. The cost of all field drilling shall be included in the cost of Furnishing and Erecting Structural Steel.
5. Existing structural steel that will be in contact with new structural steel shall be cleaned and painted prior to erection. Cost shall be included with Furnishing and Erecting Structural Steel.
6. Existing diaphragm and connection angle removal shall be paid for as Structural Steel Removal.
7. All proposed steel dimensions shall be verified in the field prior to fabrication.

LEGEND

- ○ Field drill holes in new steel. Use existing steel as a template to field drill holes in new steel.
- ● Shop Drill holes

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STRUCTURAL STEEL REPAIR DETAILS II
SN 016-0130 (SB)

SHEET S13-16 OF S13-23 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	2020-004-BR	COOK	1492	930
		CONTRACT NO. 62K74		
	ILLINOIS	FED. AID PROJECT		

1 REV. 1/10/23

MODEL: $MODELNAMES
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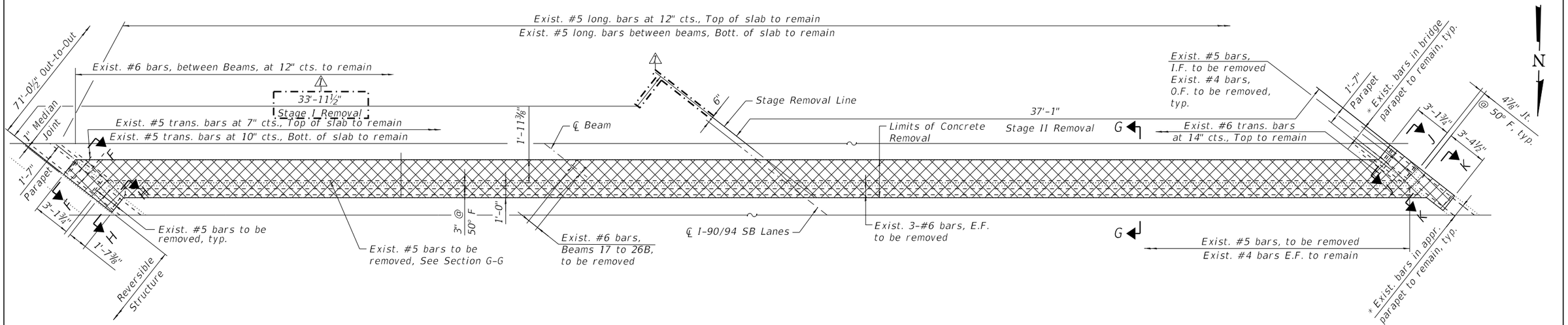
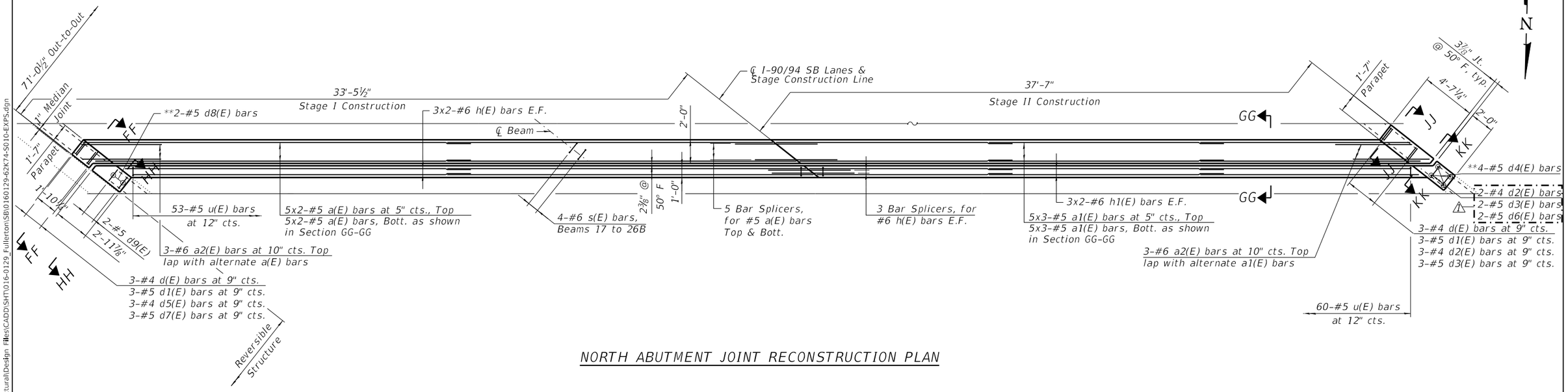


NORTH ABUTMENT JOINT REMOVAL PLAN



NORTH ABUTMENT JOINT RECONSTRUCTION PLAN

NOTES:

1. For sections F-F, G-G, H-H, FF-FF, GG-GG and HH-HH, see sheet S15-11.
2. For sections J-J, K-K, JJ-JJ and KK-KK, see sheet S15-12.

* Existing longitudinal bars to remain in the parapets can be cut in the field as required

** Epoxy grout #5 d4(E) and d8(E) bars, in 9" min. holes in accordance with Section 508 of the Standard Specifications.

LEGEND

▨	Concrete Removal
I.F.	Inside Face
O.F.	Outside Face
E.F.	Each Face

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

NORTH ABUTMENT EXPANSION JOINT DETAILS I
SN 016-0129 (SB)
SHEET S15-10 OF S15-18 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	2020-004-BR	COOK	1492	965
		CONTRACT NO. 62K74		
	ILLINOIS FED. AID PROJECT			

⚠1 REV. 1/10/23

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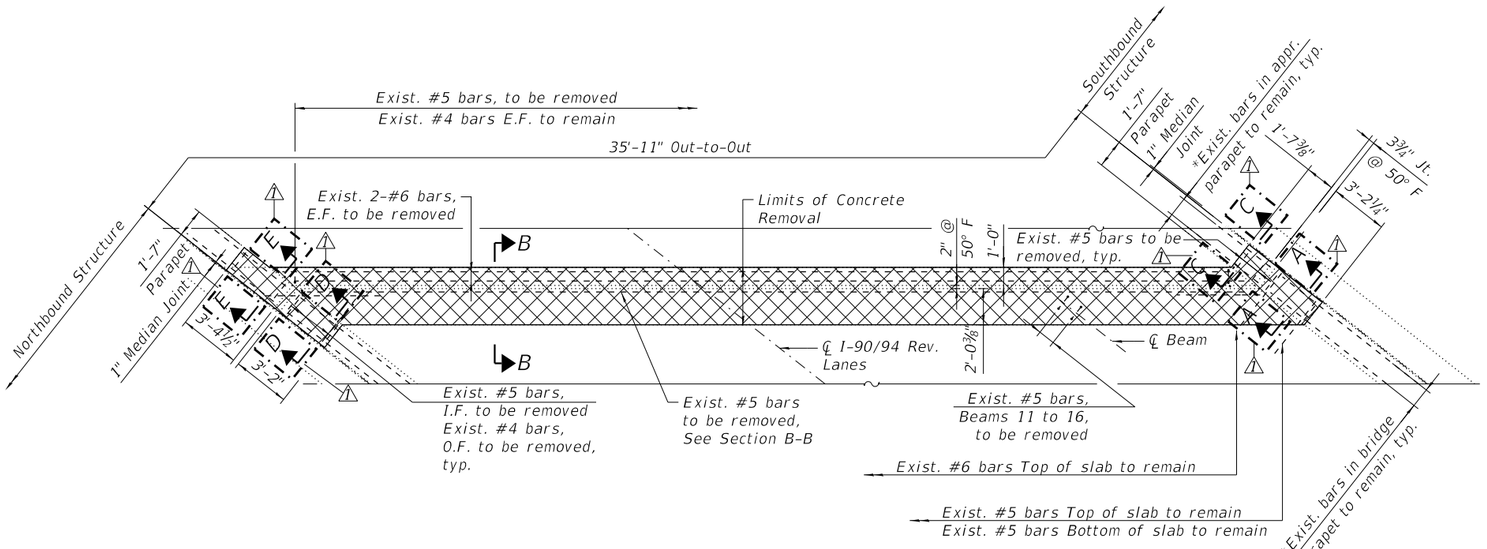
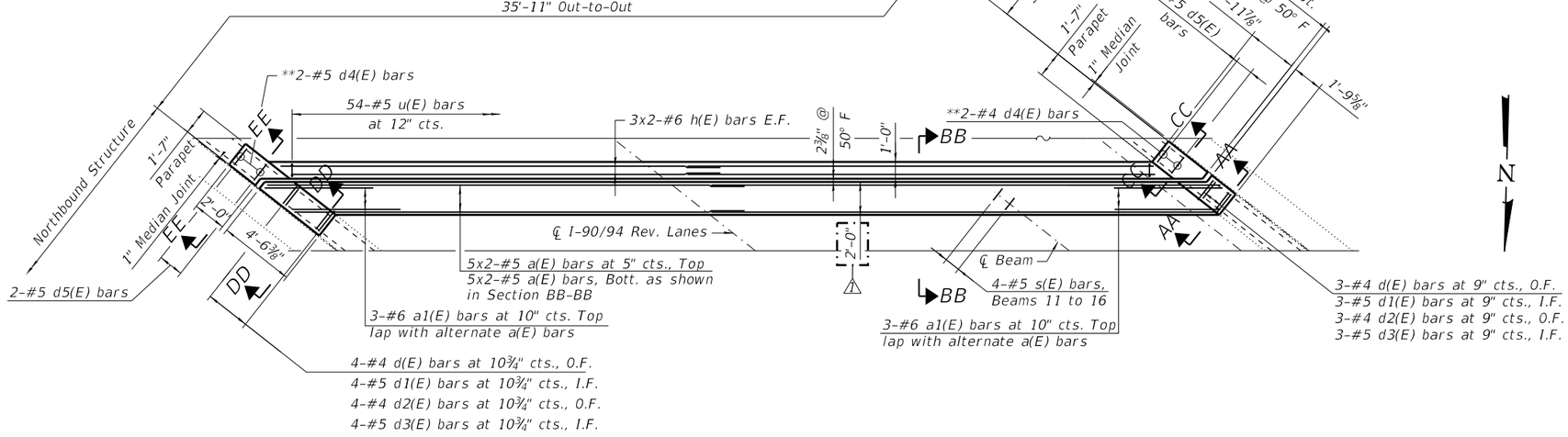


SOUTH ABUTMENT JOINT REMOVAL PLAN



SOUTH ABUTMENT JOINT RECONSTRUCTION PLAN

NOTES:

1. For sections A-A, B-B, C-C, AA-AA, BB-BB and CC-CC, see sheet S16-06.
2. For sections D-D, E-E, DD-DD and EE-EE, see sheet S16-07.

* Existing longitudinal bars to remain in the parameters can be cut in the field as required.

** Epoxy grout #5 d4(E) bars in 9" min. holes in accordance with Section 508 of the Standard Specifications.

LEGEND

	Concrete Removal
I.F.	Inside Face
O.F.	Outside Face
E.F.	Each Face

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SOUTH ABUTMENT EXPANSION JOINT DETAILS I
SN 016-0129 (REV)
SHEET S16-05 OF S16-15 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	2020-004-BR	COOK	1492	978
		CONTRACT NO. 62K74		
	ILLINOIS FED. AID PROJECT			

1 REV. 1/10/23

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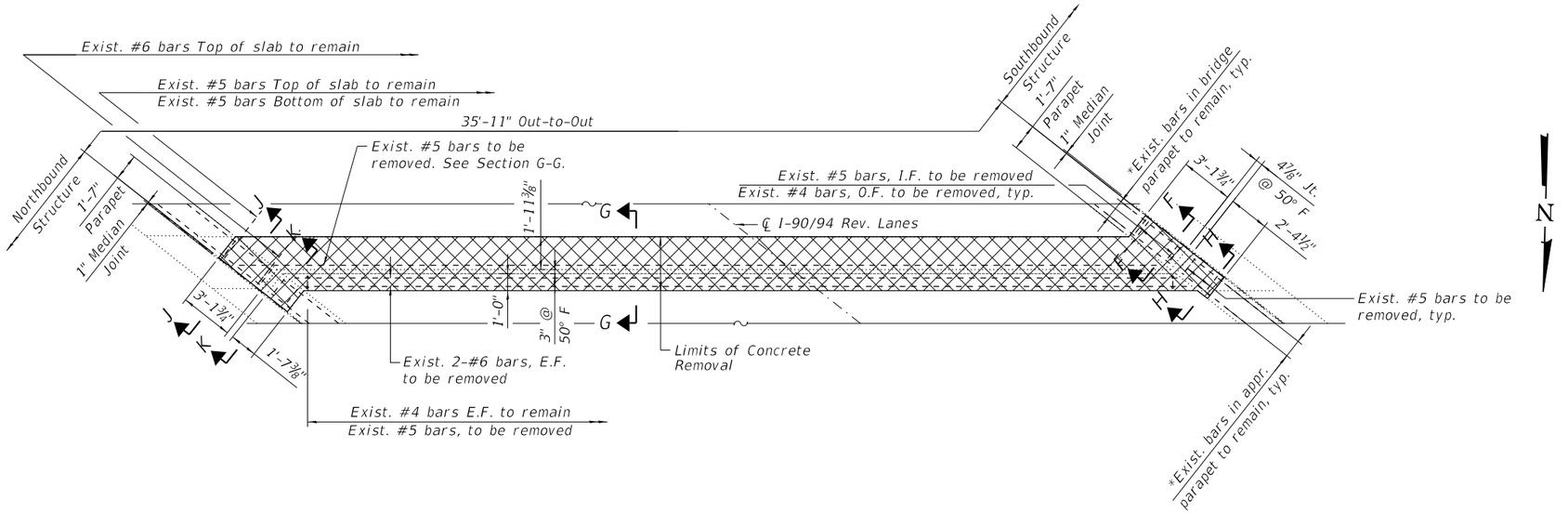
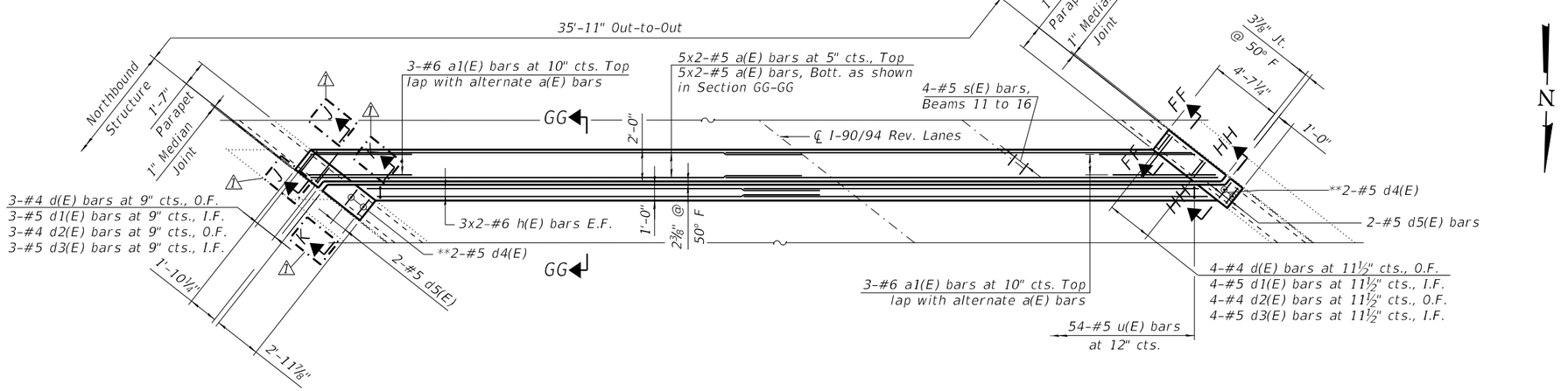


NORTH ABUTMENT JOINT REMOVAL PLAN



NORTH ABUTMENT JOINT RECONSTRUCTION PLAN

NOTES:

1. For sections F-F, G-G, H-H, FF-FF, GG-GG and HH-HH, see sheet S16-09.
2. For sections J-J, K-K, JJ-JJ and KK-KK, see sheet S16-10.

* Existing longitudinal bars to remain in the parameters can be cut in the field as required.

** Epoxy grout #5 d4(E) bars in 9" min. holes in accordance with Section 508 of the Standard Specifications.

LEGEND

	Concrete Removal
I.F.	Inside Face
O.F.	Outside Face
E.F.	Each Face

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NORTH ABUTMENT EXPANSION JOINT DETAILS I
SN 016-0129 (REV)
SHEET S16-08 OF S16-15 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	2020-004-BR	COOK	1492	981
		CONTRACT NO. 62K74		
	ILLINOIS FED. AID PROJECT			

1 REV. 1/10/23

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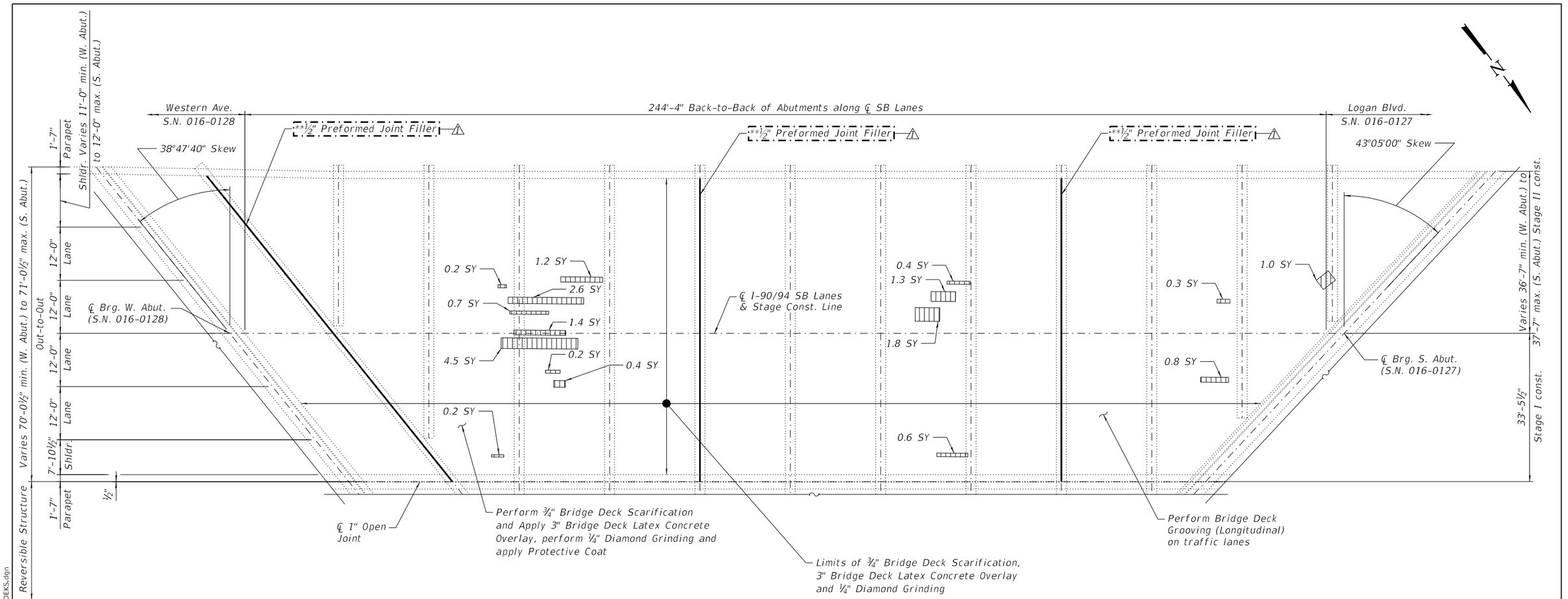

DECK PLAN

LEGEND

*Deck Slab Repair (Partial Depth)

SY Square Yard

* Areas of Deck Slab Repair (Partial Depth) are provided for information only and shall be included in the cost of Bridge Deck Latex Concrete Overlay, 3 Inches

1 **½" Preformed Joint Filler shall be included in the cost of Bridge Deck Latex Concrete Overlay, 3 Inches

NOTES:

1. Areas of deck repair shown are estimated. The Engineer shall show actual locations of deck repairs at the time of construction.
2. For bridge deck final cross section, see Sheet S19-04.
3. Perform ¼" Diamond Grinding to top of bridge deck and abutment hatched block.
4. Perform Bridge Deck Grooving (Longitudinal) on traffic lanes.
5. Protective Coat shall be applied to the top of reconstructed transverse joints, top and inside face of parapets and top of latex concrete overlay.
6. The Contractor shall exercise extreme caution during concrete removal to avoid damaging the steel beams and diaphragms to remain. Any damage to the existing steel beams and/or diaphragms to remain caused by the Contractor in the performance of his/her work shall be repaired by the Contractor, to the satisfaction of the Engineer at no cost to the Department.

BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Protective Coat	Sq Yd	2,111
Protect and Maintain Existing Underpass Luminaire	L Sum	0.022
Bridge Deck Grooving (Longitudinal)	Sq Yd	1,331
Bridge Deck Latex Concrete Overlay, 3 Inches	Sq Yd	1,854
Bridge Deck Scarification 3/4"	Sq Yd	1,854
Diamond Grinding (Bridge Section)	Sq Yd	1,867
Maintenance of Lighting System	Cal Mo	6

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRIDGE SLAB REPAIR PLAN AND DETAILS
SN 016-2654 (SB)
SHEET S19-06 OF S19-11 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	2020-004-BR	COOK	1492	1035
		CONTRACT NO. 62K74		
	ILLINOIS	FED. AID PROJECT		

1 REV. 1/10/23

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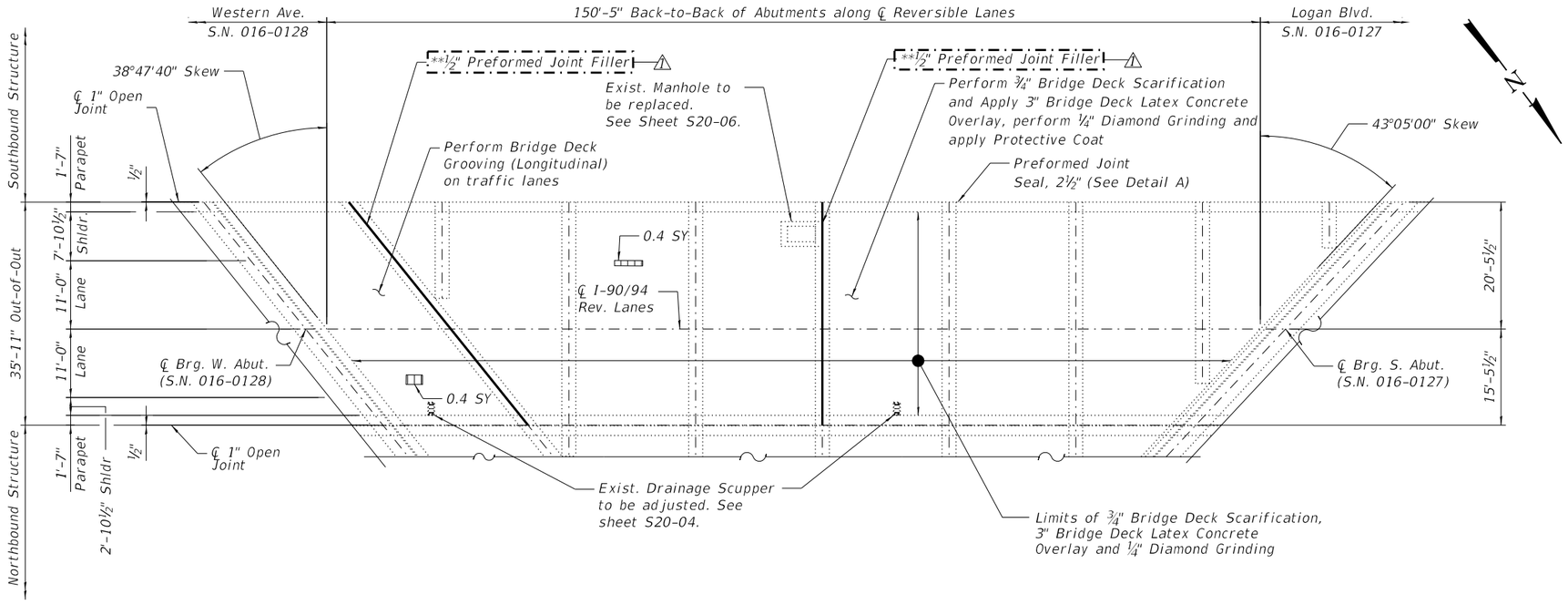

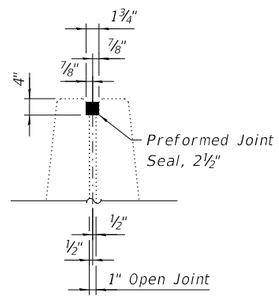

DETAIL A

(Reinforcement not shown for clarity)

DECK PLAN

NOTES:

1. Deck repair areas are estimated based on visual inspection and will be paid for as specified in the Special Provision. Actual repair areas and locations shall be determined by the Engineer and shown on As-built plans. Engineer shall sound deck after deck scarification.
2. Protective Coat shall be applied to the bridge overlay and front and top faces of the new and existing parapets.
3. All dimensions are perpendicular to ℄ I-90/94 Reversible Lanes.
4. For bridge final cross section, see Sheet S20-02.
5. Perform ¼" Diamond Grinding to top of bridge deck.
6. Perform Bridge Deck Grooving (Longitudinal) for Bridge Deck Latex Concrete Overlay, 3 Inches.
7. The Contractor shall exercise extreme caution during concrete removal to avoid damaging the steel beams and diaphragms to remain. Any damage to the existing steel beams and/or diaphragms to remain caused by the Contractor in the performance of his/her work shall be repaired by the Contractor, to the satisfaction of the Engineer at no cost to the Department.

LEGEND

SY — *Deck Slab Repair (Partial Depth)

Square Yard

* Areas of Deck Slab Repair (Partial Depth) are provided for information only and shall be included in the cost of Bridge Deck Latex Concrete Overlay, 3 Inches

1 **½" Preformed Joint Filler shall be included in the cost of Bridge Deck Latex Concrete Overlay, 3 Inches

BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Protective Coat	Sq Yd	719
Preformed Joint Seal 2 1/2"	Foot	190
Bridge Deck Grooving (Longitudinal)	Sq Yd	380
Bridge Deck Latex Concrete Overlay, 3 Inches	Sq Yd	559
Bridge Deck Scarification 3/4"	Sq Yd	559
Diamond Grinding (Bridge Section)	Sq Yd	565
Maintenance of Lighting System	Cal Mo	6

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRIDGE SLAB REPAIR PLAN AND DETAILS
SN 016-2654 (REV)

SHEET S20-03 OF S20-06 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	2020-004-BR	COOK	1492	1043
		CONTRACT NO. 62K74		
	ILLINOIS FED. AID PROJECT			

1 REV. 1/10/23

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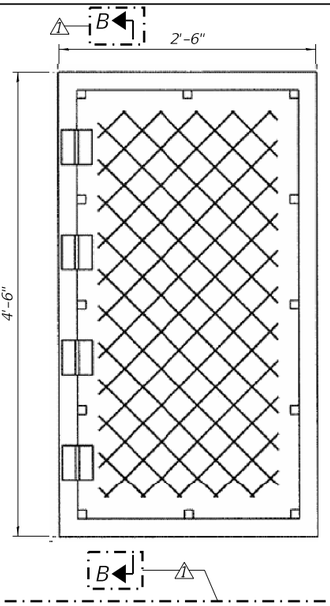
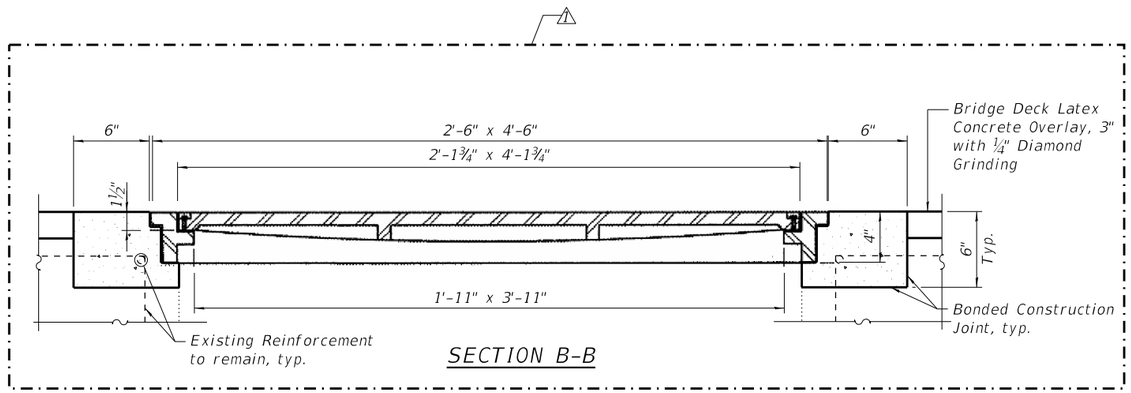


MANHOLE FRAME AND LID

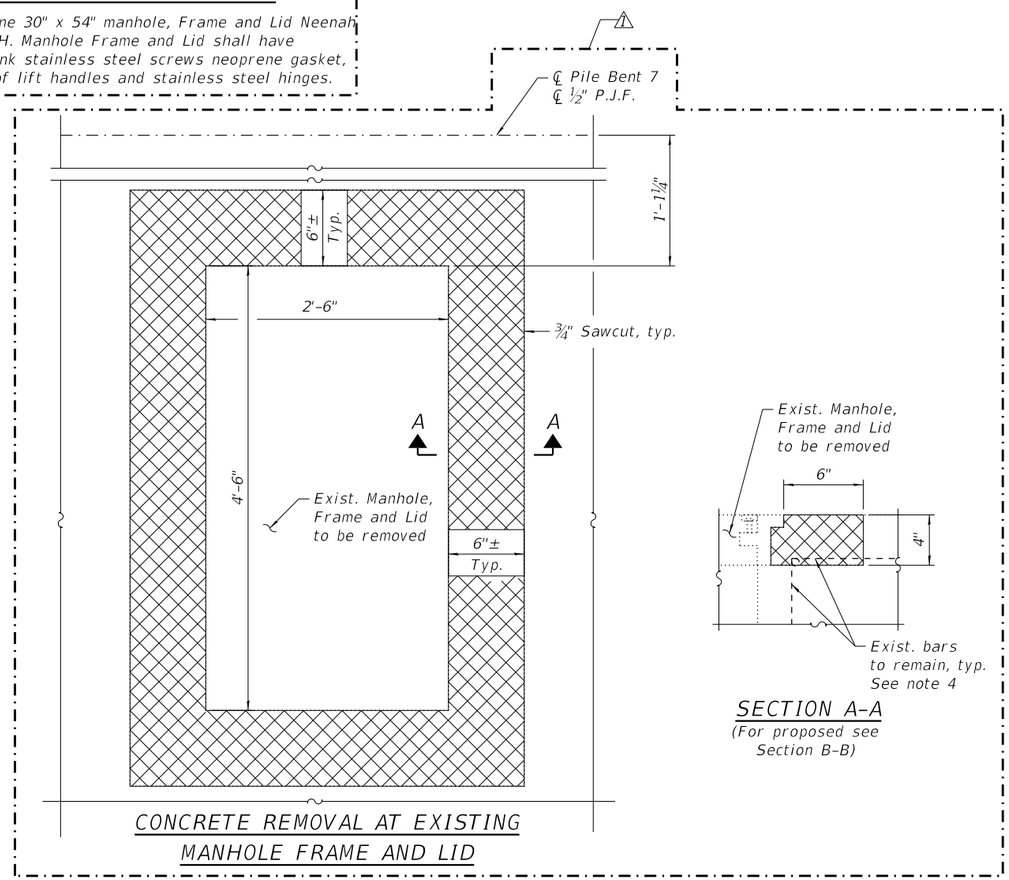
Provide one 30" x 54" manhole, Frame and Lid Neenah R-6663-KH. Manhole Frame and Lid shall have countersunk stainless steel screws neoprene gasket, waterproof lift handles and stainless steel hinges.



SECTION B-B

NOTES

1. The contractor can access the interior of the vault via a bolted hatch located in the reversible lanes during the restricted hours noted in the Keeping the Expressway Open to Traffic special provision. Appropriate safety precautions should be taken when working in the confined space inside the vault. The hatch should be re-bolted shut prior to opening to traffic.
2. The manhole lid, frame and all other accessories shall be galvanized according to AASHTO M111 and ASTM A385.
3. The cost of steel drilling, bolts, hinges, screws, neoprene gaskets and lift handles shall be covered by Manhole, Special, Frame and Lid.
4. 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 Manhole, Special, Frame and Lid.
5. The cost of Concrete Removal, Concrete Superstructure and removal of existing manhole frame and lid shall be included with Manhole, Special, Frame and Lid.



CONCRETE REMOVAL AT EXISTING MANHOLE FRAME AND LID

SECTION A-A

(For proposed see Section B-B)

LEGEND

Concrete Removal

BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Manhole, Special, Frame and Lid	Each	1

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MANHOLE DETAILS
SN 016-2654 (REV)

SHEET S20-06 OF S20-06 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	2020-004-BR	COOK	1492	1046
		CONTRACT NO. 62K74		
	ILLINOIS FED. AID PROJECT			

1 REV. 1/10/23

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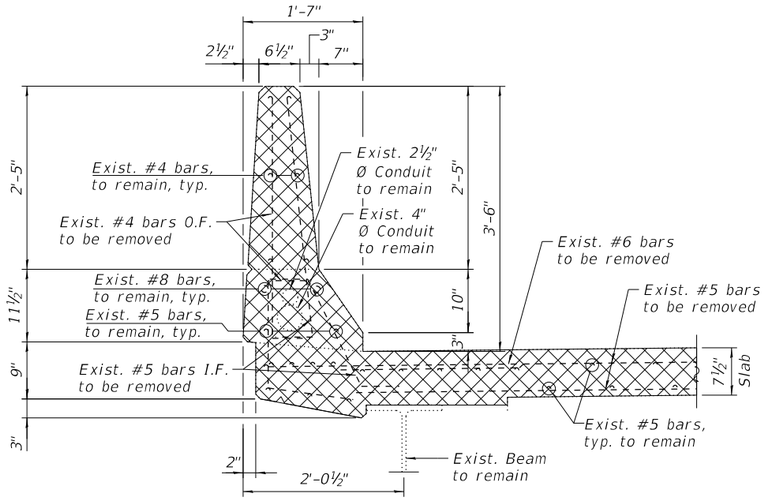
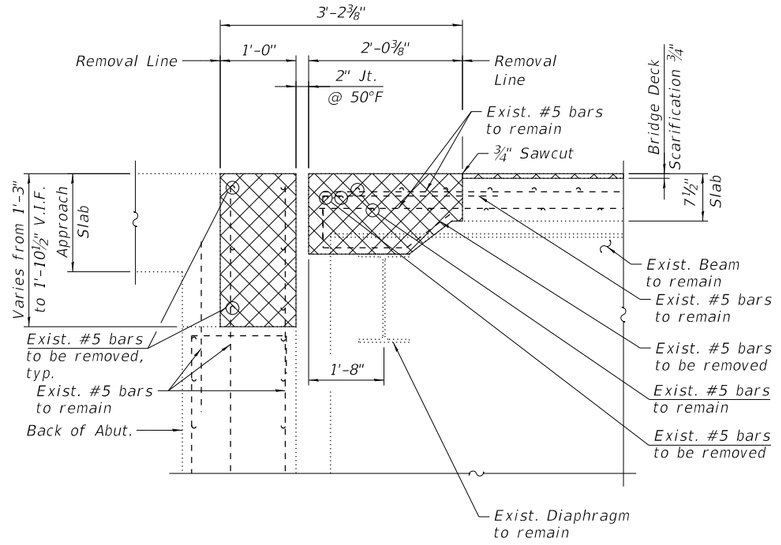
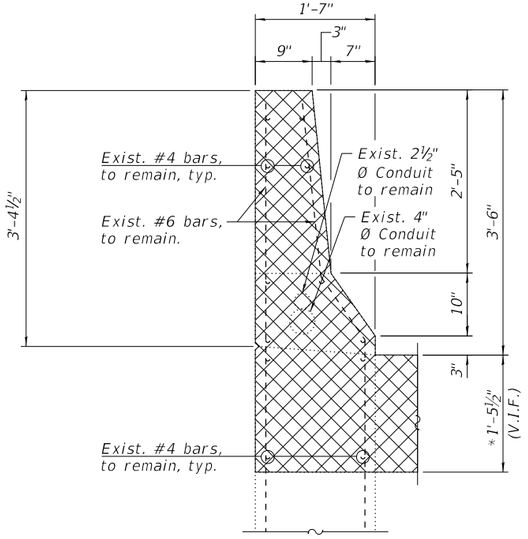


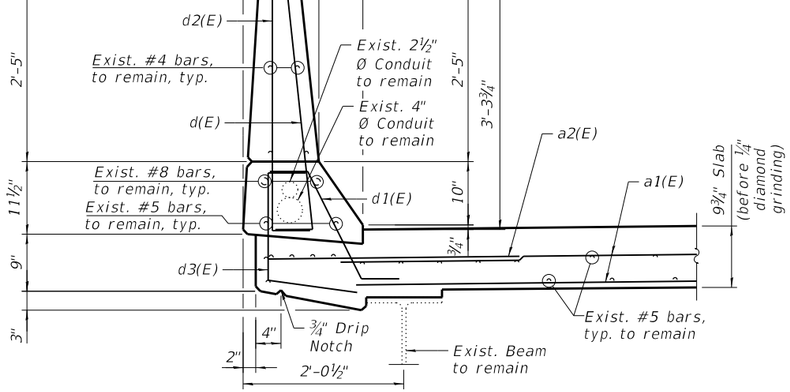
SECTION A-A
(West parapet removal)



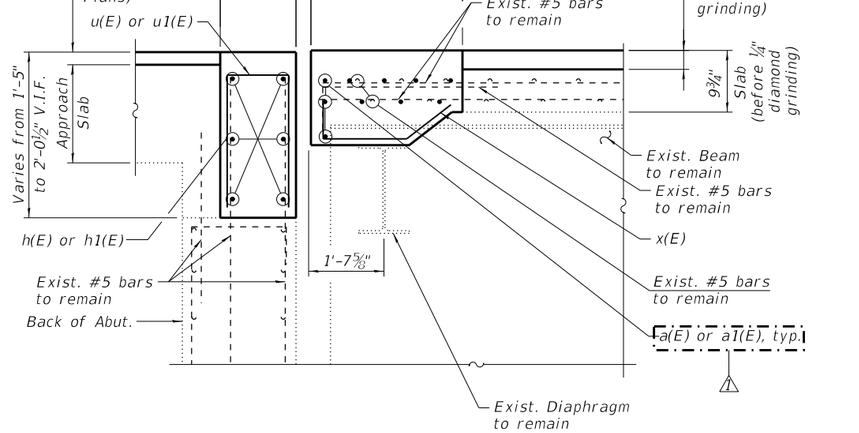
SECTION B-B



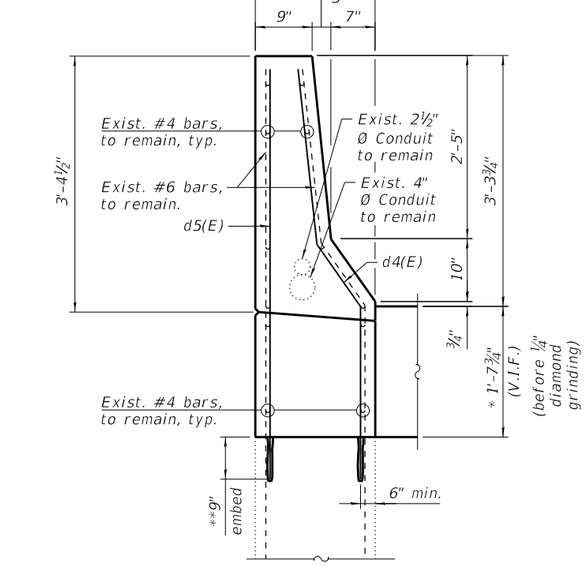
SECTION C-C
(West parapet removal)



SECTION AA-AA
(West parapet reconstruction)



SECTION BB-BB



SECTION CC-CC
(West parapet reconstruction)

LEGEND

	Concrete Removal
I.F.	Inside Face
O.F.	Outside Face
V.I.F.	Verify in Field

* Dimension is taken at the Back of Abut.

** Epoxy grout #5 d4(E) & #4 d5(E) bars in 9" min. holes accordance to Section 508 of the Standard Specifications.

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STATE OF ILLINOIS
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SOUTH ABUTMENT EXPANSION JOINT DETAILS II
SN 016-1078 (SB)

SHEET S23-08 OF S23-19 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	2020-004-BR	COOK	1492	1093
		CONTRACT NO. 62K74		
		ILLINOIS	FED. AID PROJECT	

⚠1 REV. 1/10/23

MODEL: $MODELNAMES
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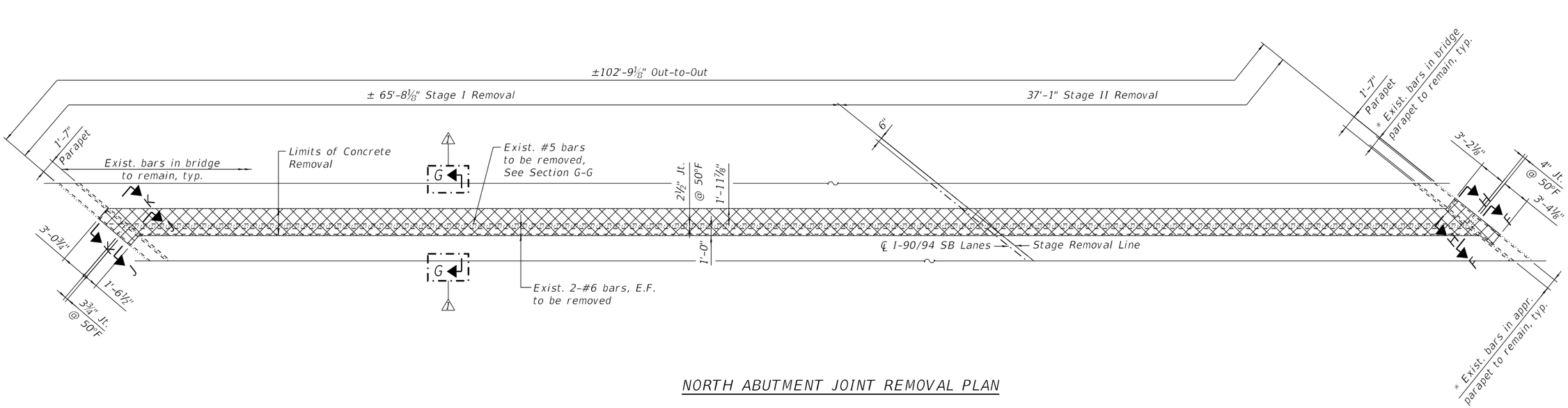
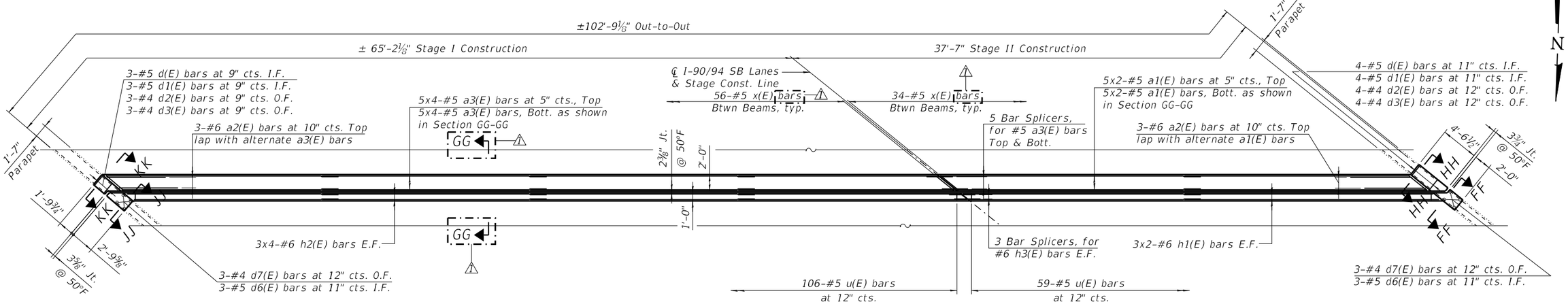


NORTH ABUTMENT JOINT REMOVAL PLAN



NORTH ABUTMENT JOINT RECONSTRUCTION PLAN

NOTES:

1. For sections F-F, H-H, G-G, FF-FF, HH-HH and GG-GG, see sheet S23-11.
2. For sections J-J, K-K, JJ-JJ and KK-KK, see sheet S23-12.

* Existing longitudinal bars to remain in the parapets can be cut in the field as required

** Epoxy grout #5 d6(E) & #4 d7(E) bars in 9" min. holes accordance to Section 508 of the Standard Specifications.

LEGEND

▨	Concrete Removal
I.F.	Inside Face
O.F.	Outside Face
E.F.	Each Face

GRĀEF
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Chicago, Illinois 60631: (773) 399-0112

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PLOT DATE =		CHECKED -	H.A.	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

NORTH ABUTMENT EXPANSION JOINT DETAILS I
SN 016-1078 (SB)

SHEET S23-10 OF S23-19 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	2020-004-BR	COOK	1492	1095
		CONTRACT NO. 62K74		
	ILLINOIS FED. AID PROJECT			

⚠1 REV. 1/10/23

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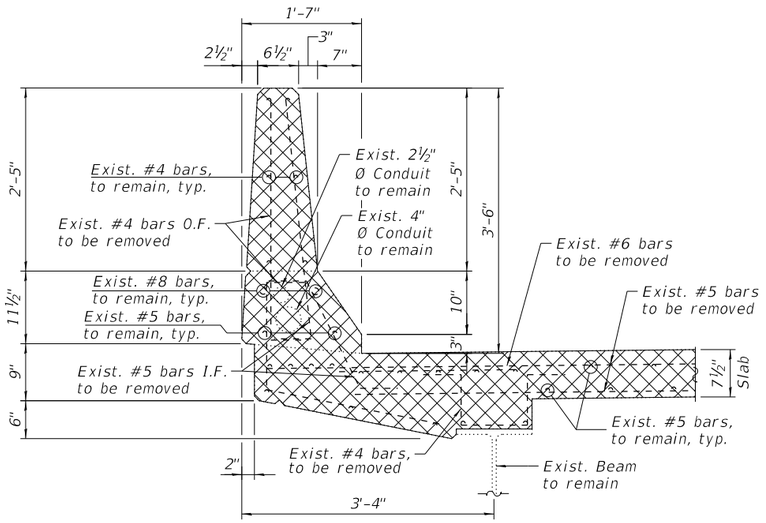
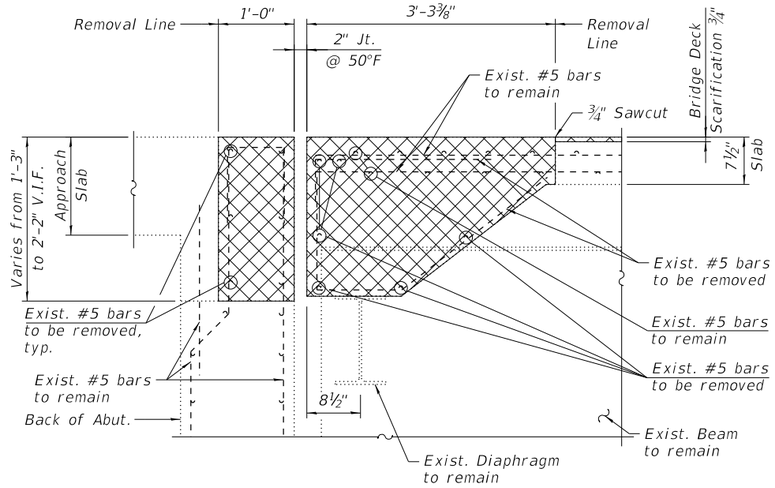
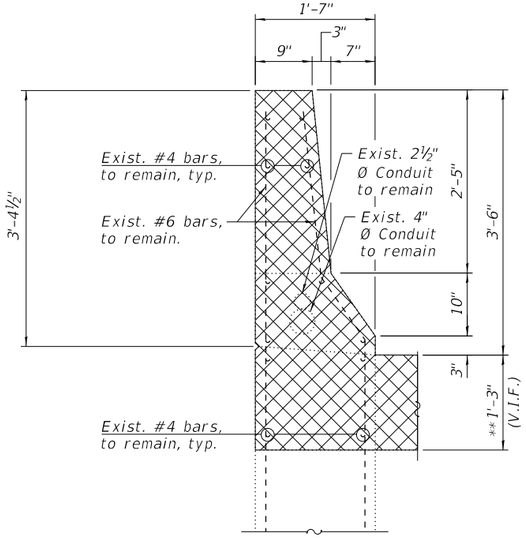


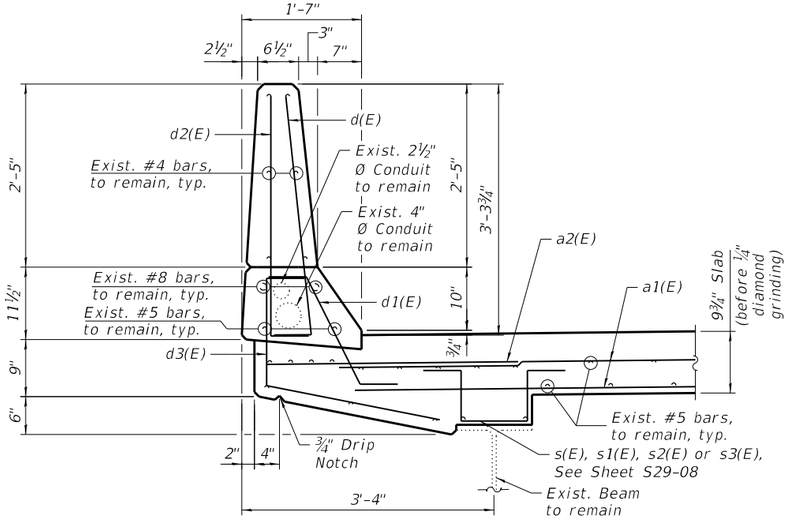
SECTION A-A
(South parapet removal)



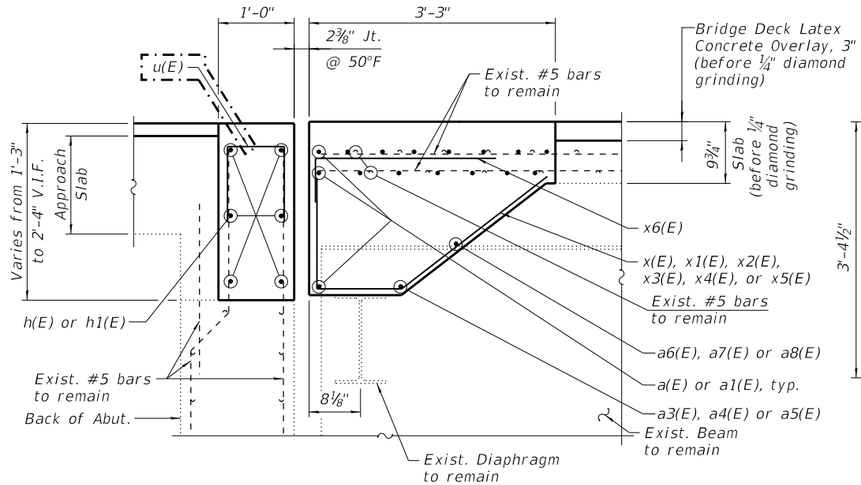
SECTION B-B



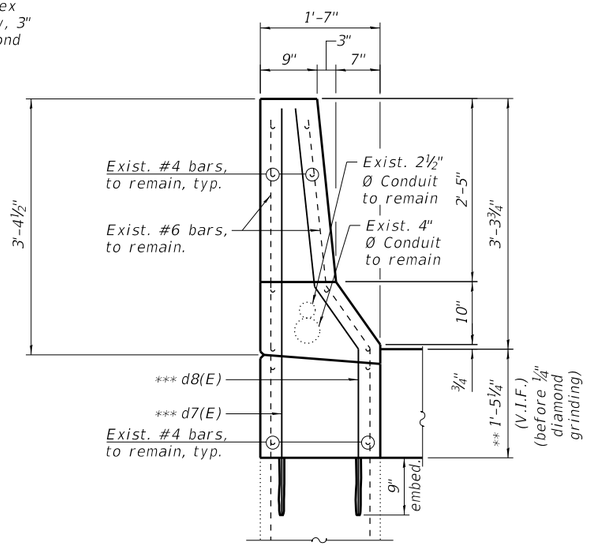
SECTION C-C
(South parapet removal)



SECTION AA-AA
(South parapet reconstruction)



SECTION BB-BB



SECTION CC-CC
(South parapet reconstruction)

LEGEND

* Dimension is taken at the Back of Abutment

** Epoxy grout #4 d7(E) & #5 d8(E) bars in 9" min. holes in accordance with Section 508 of the Standard Specifications.

	Concrete Removal
I.F.	Inside Face
O.F.	Outside Face
V.I.F.	Verify in Field

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STATE OF ILLINOIS
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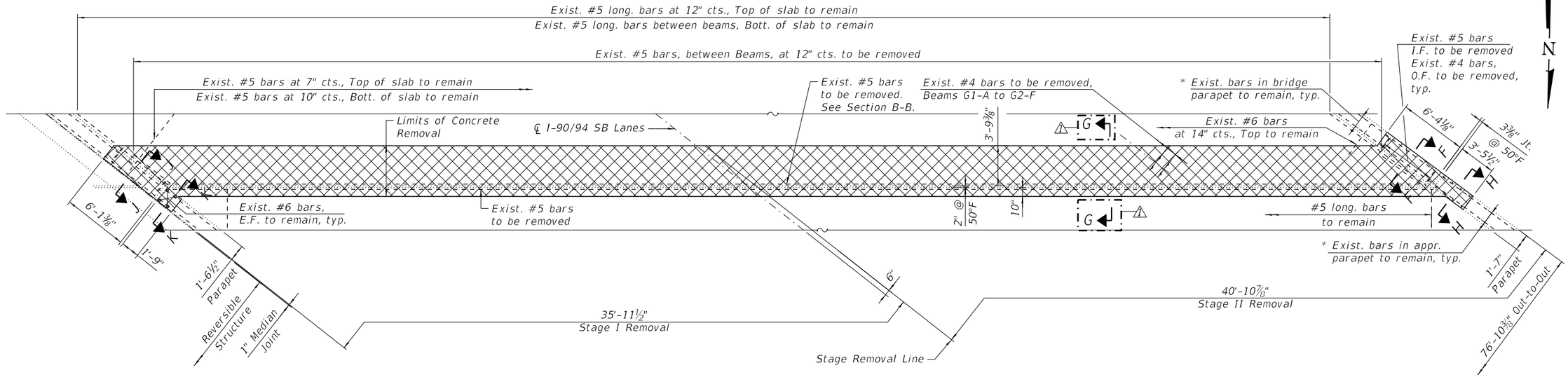
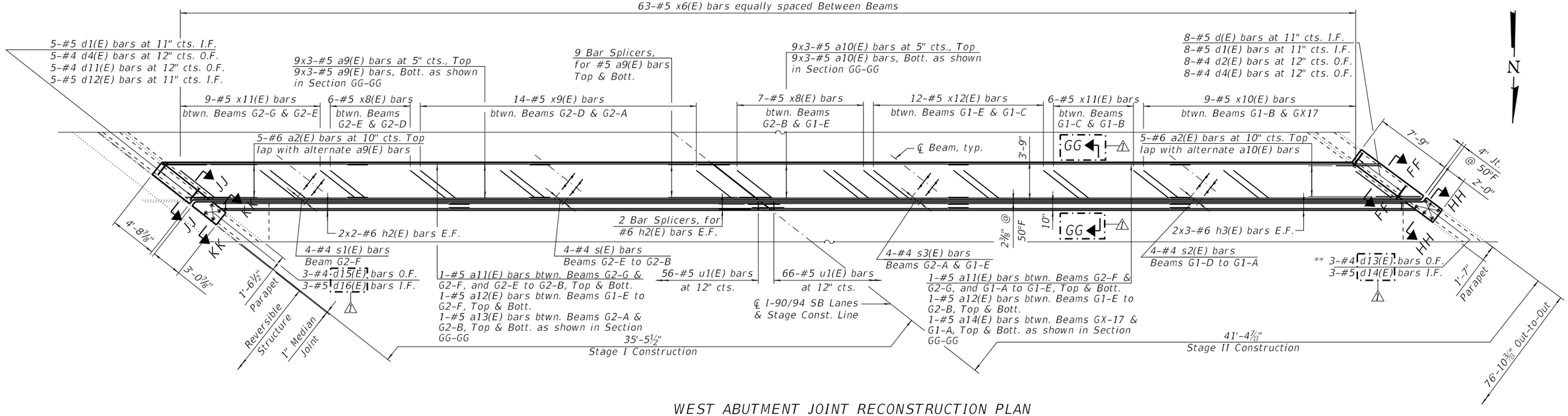
EAST ABUTMENT EXPANSION JOINT DETAILS II
SN 016-0121 (SB)
SHEET S29-09 OF S29-29 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	2020-004-BR	COOK	1492	1198
		CONTRACT NO. 62K74		
	ILLINOIS FED. AID PROJECT			

⚠1 REVISED ENTIRE SHEET 1/10/23



WEST ABUTMENT JOINT REMOVAL PLAN



WEST ABUTMENT JOINT RECONSTRUCTION PLAN

NOTES:

1. For sections F-F, G-G, H-H, FF-FF, GG-GG and HH-HH, see sheet S29-12.
2. For sections J-J, K-K, JJ-JJ and KK-KK, see sheet S29-13.

* Existing longitudinal bars to remain in the parapets can be cut in the field as required

** Epoxy grout #4 d13(E) bars in 9" min. holes in accordance with Section 508 of the Standard Specifications.

LEGEND

	Concrete Removal
I.F.	Inside Face
O.F.	Outside Face
E.F.	Each Face

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PLOT DATE =		CHECKED -	K.G.W.	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WEST ABUTMENT EXPANSION JOINT DETAILS I
SN 016-0121 (SB)

SHEET S29-11 OF S29-29 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	2020-004-BR	COOK	1492	1200
		CONTRACT NO. 62K74		
	ILLINOIS	FED. AID PROJECT		

⚠1 REV. 1/10/23

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GENERAL NOTES

1. Reinforcement bars designated (E) shall be epoxy coated.

2. Prior to pouring the new concrete deck for Expansion Joints Reconstruction and Bridge Deck repairs, all heavy or loose mill scale, and other loose or potentially detrimental foreign material shall be removed from the surfaces in contact with concrete. Tightly adhered paint may remain unless otherwise noted. Removal shall be accomplished by methods that will not damage the steel and the cost will be included in the Concrete Removal pay item. As directed by the Engineer, existing construction accessories welded to the top flange of beams and girders shall be removed. The weld areas shall be ground flush and inspected for cracks using magnetic particle testing (MT) or dye penetrant testing (PT) by qualified personnel approved by the Engineer. Any cracks that cannot be removed by grinding ¼" deep shall be identified and reported to the Bureau of Bridges and Structures for further dispositions. The cost of removing welded accessories, grinding and inspecting weld areas and grinding cracks will be paid for according to Article 109.04 of the Standard Specifications.

3. Plan dimensions and details relative to the existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity furnished at the unit price bid for the work.

4. Cleaning and field painting of structural steel shall be done under a separate painting contract.

5. The existing structural steel coating contains lead. The Contractor shall take appropriate precautions to deal with the presence of lead on this project.

6. Existing reinforcement extended into the removal of area shall be cleaned, straightened and incorporated into the new construction. Any reinforcement bars that are damaged during concrete removal operations shall be replaced using an approved bar splicer or anchorage system. The cost of cleaning shall be included in the cost of Concrete Removal.

7. Bars indicated thus, 3x2-#5, indicates 3 lines of #5 bars with 2 lengths of bar per line.

8. All exposed concrete edges shall have a ¾"x45° chamfer, except where shown otherwise.

9. For SMA overlay on Approach Slab, see Roadway Plans.

10. Protective Coat shall be applied to the top of reconstructed transverse joint areas, top and inside face of the parapets, and top of Latex Concrete overlay.

11. Joint openings shall be adjusted according to Article 520.04 of the Standard Specification when the deck is poured at an ambient temperature other than 50°F.

12. Adjacent I-90/94 reversible bridge is not shown throughout the plans for clarity.

13. The Contractor shall take the necessary precautions for the protection of passing vehicles, bicycles and pedestrians from falling objects and/or materials until completion of work.

14. The Contractor is responsible to remove, support and reinstall all existing electrical conduits interfering with the work. See special provision "Protection and Maintenance of Existing Underpass Luminaires".

15. The Contractor shall exercise caution during Concrete Removal to avoid damaging the steel beams and diaphragms to remain. Any damage to the existing steel beams and/or diaphragms to remain caused by the Contractor in the performance of his/her work shall be repaired by the Contractor, to the satisfaction of the Engineer, at no cost to the Department.

16. The Contractor is responsible to protect the existing conduit and junction box embedded in the parapet during concrete removal and construction. Any damage to the existing conduit and junction box shall be repaired by the Contractor at no additional cost to the Department.

17. Where underpass lighting is present on the structure, the Contractor shall adjust the Protective Shielding to be placed above the existing lighting fixtures in order to maintain the existing level of lighting on the roadway underneath. Details shall be approved by the Engineer before installation.

18. Any adjustment done to the Protective Shield System must not change the system's load carrying capacity (or containment specifications) as indicated in the Standard Specifications. Cost of adjusting shielding is including in the cost of Protective Shield.

19. The Contractor shall contact Chandra Libby, the Director of City of Chicago Department of Family Support Services (DFSS) at 312-746-5443 or Chandra.Libby@cityofchicago.org to coordinate the relocation of persons and their personal belongings under the bridges within the areas bounded by the temporary chain-link-fence.

20. Prior to the application of the Concrete Sealer, the Contractor shall clean all existing debris from the abutment seats. The method of debris removal shall not damage the existing concrete and shall be approved by the Engineer. The debris shall be disposed of according to Art 202.03 of the Std Specs. The cost of cleaning shall be included in the cost of Concrete Sealer.

INDEX OF SHEETS

S35-01	General Plan & Elevation
S35-02	General Data
S35-03-S35-04	Stage Construction Details I & II
S35-05	Temporary Concrete Barrier
S35-06	Bridge Deck Repair Plan and Details
S35-07-S35-09	South Abutment Expansion Joint Details I, II & III
S35-10-S35-12	North Abutment Expansion Joint Details I, II & III
S35-13	Preformed Joint Strip Seal
S35-14	South Abutment Repairs
S35-15	North Abutment Repairs
S35-16	Pier 1 Repairs
S35-17	Pier 2 Repairs
S35-18	Slope Wall Repairs
S35-19	Bar Splicer Assembly and Mechanical Splicer Details

SCOPE OF WORK

1. Remove Existing Protective Netting and Side Slope under I-90/94 SB and REV bridges and provide Protective Shield within limits indicated on the plans. △1
2. Scarify ¾" from the bridge deck.
3. Perform deck repairs.
4. Remove and reconstruct expansion joints at north and south abutments and install new Preformed Joint Strip Seals.
5. Apply a 3" Bridge Deck Latex Concrete Overlay on Bridge Deck. Apply a 2" Stone-Matrix Asphalt (SMA) Overlay on the Approach Slabs, see Roadway Plans.
6. Perform ¼" Diamond Grinding to top of bridge deck and abutment hatched block.
7. Perform Bridge Deck Grooving (Longitudinal) on traffic lanes.
8. Apply Protective Coat to the top and inside faces of parapets, reconstructed transverse expansion joints and to the surface of the new overlay.
9. Perform Structural Repair of Concrete to the Abutments and Piers as noted in the plans.
10. Epoxy crack injection at the abutments and piers for cracks greater than hairline.
11. Perform slope wall repairs.

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Porous Granular Embankment	Cu Yd		1	1
Concrete Removal	Cu Yd	35.0		35.0
Slope Wall Removal	Sq Yd		1	1
Protective Shield	Sq Yd	1,420		1,420
Concrete Superstructure	Cu Yd	39.4		39.4
Protective Coat	Sq Yd	2,795		2,795
Reinforcement Bars, Epoxy Coated	Pound	5,980		5,980
Bar Splicers	Each	32		32
Slope Wall 4 Inch	Sq Yd		1	1
Preformed Joint Strip Seal	Foot	225		225
Concrete Sealer	Sq Ft		1,244	1,244
Epoxy Crack Injection	Foot		7	7
Slope Wall Crack Sealing	Foot		22	22
Protect and Maintain Existing Underpass Luminaire	L Sum		0.022	0.022
Bridge Deck Grooving (Longitudinal)	Sq Yd	1,685		1,685
Bridge Deck Latex Concrete Overlay, 3 Inches	Sq Yd	2,339		2,339
Bridge Deck Scarification 3/4"	Sq Yd	2,339		2,339
Structural Repair of Concrete (Depth Equal to or less than 5 Inches)	Sq Ft		103	103
Structural Repair of Concrete (Depth Greater than 5 Inches)	Sq Ft		15	15
Deck Slab Repair (Full Depth, Type I)	Sq Yd	1.1		1.1
Deck Slab Repair (Full Depth, Type II)	Sq Yd	0.9		0.9
Diamond Grinding (Bridge Section)	Sq Yd	2,387		2,387
Maintenance of Lighting System	Cal Mo		6	6
* Removal of Existing Protective Netting	Sq Yd		3,830	3,830

△1 * Quantity is for Removal of Existing Protective Netting under I-90/94 SB and REV bridges

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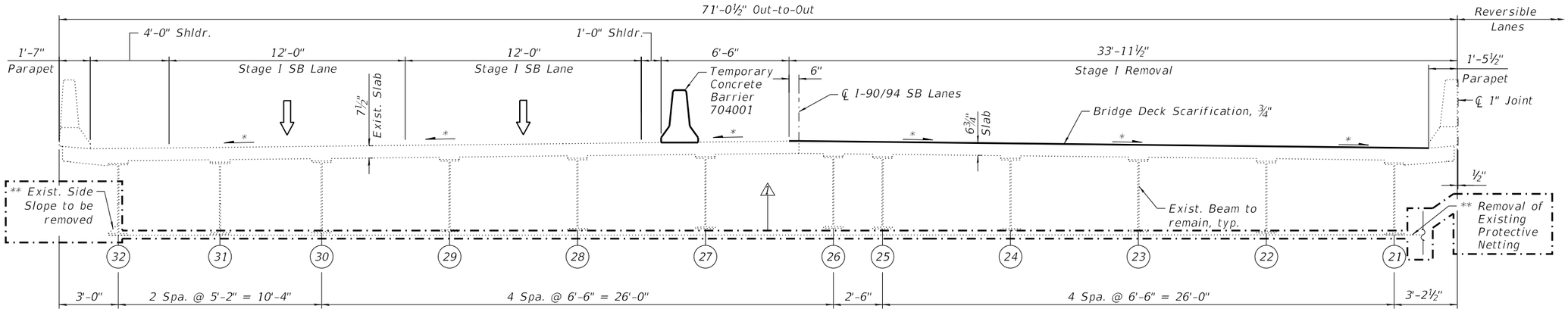
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL DATA
SN 016-0115 (SB)
SHEET S35-02 OF S35-19 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	2020-004-BR	COOK	1492	1316
		CONTRACT NO. 62K74		
	ILLINOIS	FED. AID PROJECT		

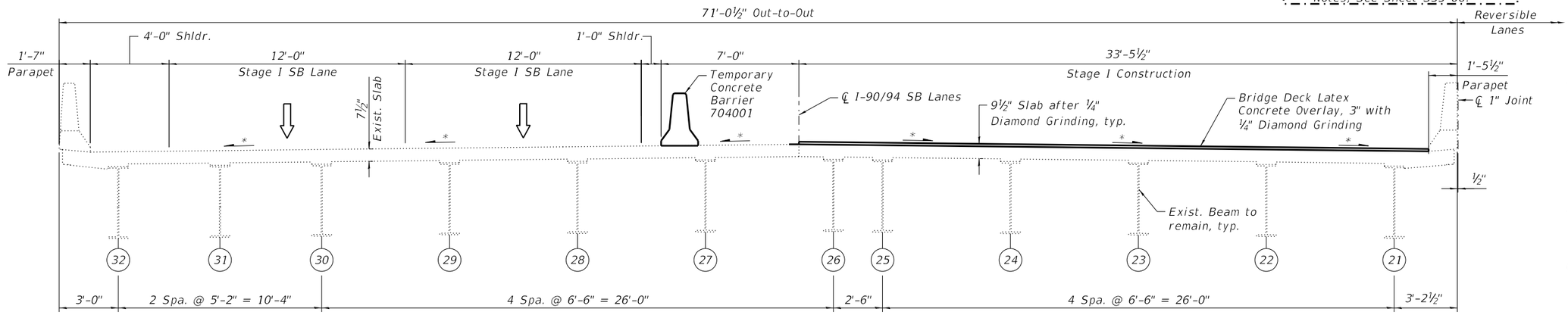
△1 REV. 1/10/23



STAGE I REMOVAL

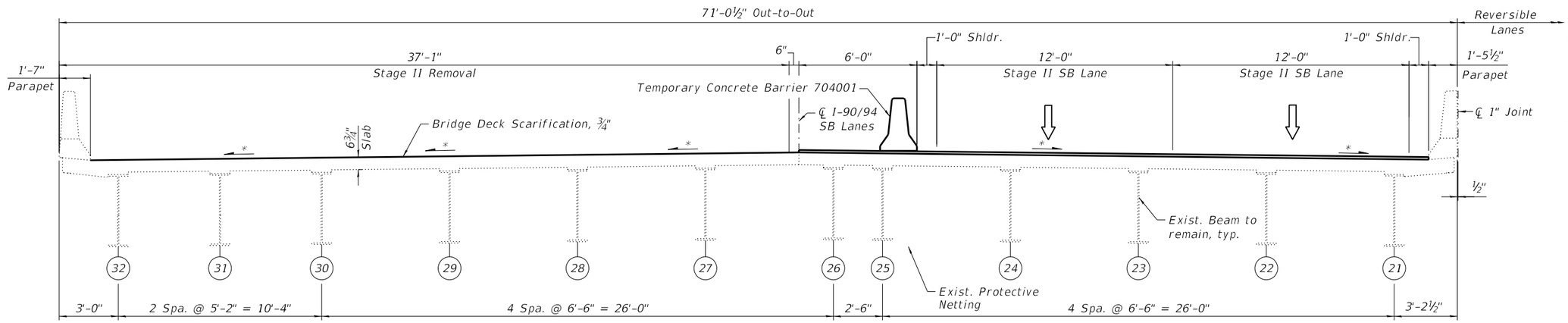
(Looking North)

** Existing Protective Netting and Side Slope to be removed under I-90/94 SB & REV Bridges. For Notes, See Sheet S35-06.



STAGE I CONSTRUCTION

(Looking North)



STAGE II REMOVAL

(Looking North)

* Match existing deck surface profile

STAGE I REMOVAL

1. Install Temporary Concrete Barrier as shown to locate traffic on the west side of the existing structure.
2. Scarify ¾" from the top of the deck.
3. Remove portions of bridge deck adjacent to abutment joints, as shown in the plans.

STAGE I CONSTRUCTION

1. Perform Deck Slab Repairs at the locations shown in the plans.
2. Reconstruct transverse expansion joints and install Preformed Joint Strip Seal at north and south abutments and replace associated reinforcement and concrete adjacent to the joint.
3. Perform Structural Repair of Concrete and Epoxy Crack Injection at abutments and piers.
4. Apply 3" Bridge Deck Latex Concrete Overlay to bridge deck slab.
5. Perform ¼" diamond grinding to bridge deck and abutment hatched block.
6. Perform Bridge Deck Grooving (Longitudinal) for the 3" Bridge Deck Latex Concrete Overlay and reconstructed abutment expansion joint areas.
7. Apply 2" Stone-Matrix Asphalt (SMA) Overlay to the approach pavement and taper into existing roadway. See Roadway Plans.
8. Apply Protective Coat to the top of reconstructed transverse joint areas, the surface of the new overlay, and the top and inside faces of the parapets.
9. Perform slope wall repairs as shown in the plans

STAGE II REMOVAL

1. Install Temporary Concrete Barrier as shown to locate traffic on the East side of the existing structure.
2. Scarify ¾" from the top of the deck.
3. Remove portions of bridge deck adjacent to abutment joints, as shown in the plans.

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		CHECKED - H.A.	REVISED -		
	PLOT SCALE =	DRAWN - D.C.P.	REVISED -		SHEET S35-03 OF S35-19 SHEETS
	PLOT DATE =	CHECKED - H.A.	REVISED -		

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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		CONTRACT NO. 62K74		
	ILLINOIS FED. AID PROJECT			

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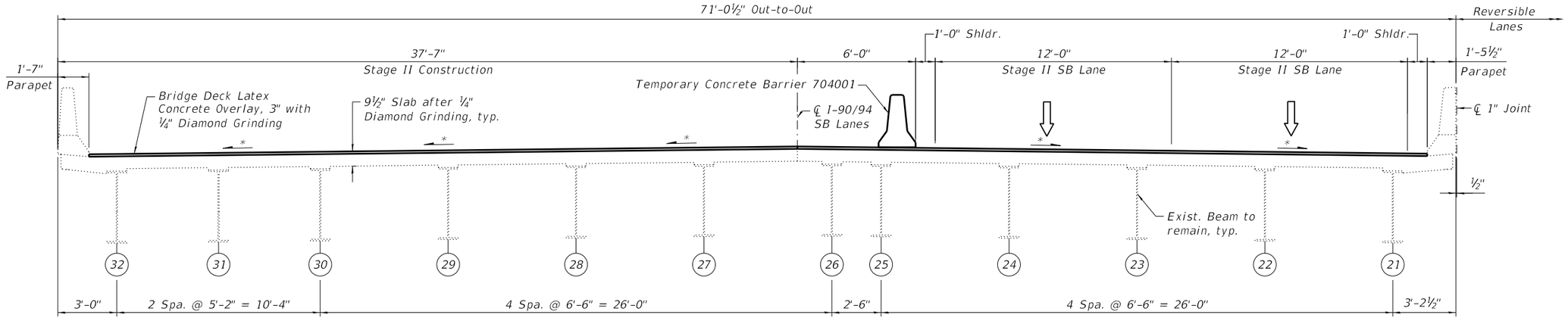
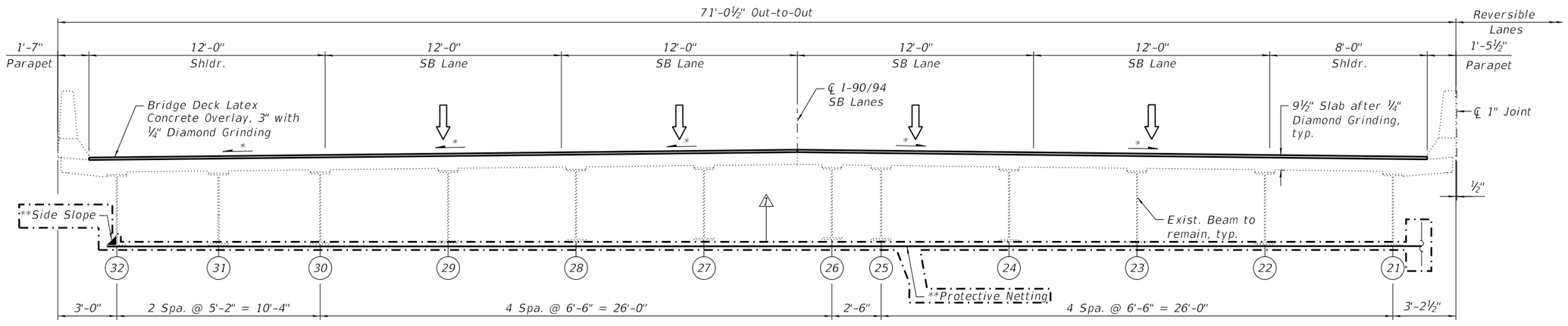


STAGE II CONSTRUCTION

(Looking North)



FINAL CROSS SECTION

(Looking North)

STAGE II CONSTRUCTION

1. Perform Deck Slab Repairs at the locations shown in the plans.
2. Reconstruct transverse expansion joints and install Preformed Joint Strip Seal at north and south abutments and replace associated reinforcement and concrete adjacent to the joint.
3. Perform Structural Repair of Concrete and Epoxy Crack Injection at abutments and piers.
4. Apply 3" Bridge Deck Latex Concrete Overlay to bridge deck slab.
5. Perform ¼" diamond grinding to bridge deck and abutment hatched block.
6. Perform Bridge Deck Grooving (Longitudinal) for the 3" Bridge Deck Latex Concrete Overlay and reconstructed abutment expansion joint areas.
7. Apply 2" Stone-Matrix Asphalt (SMA) Overlay to the approach pavement and taper into existing roadway. See Roadway Plans.
8. Apply Protective Coat to the top of reconstructed transverse joint areas, the surface of the new overlay, and the top and inside faces of the parapets.
9. Perform slope wall repairs as shown in the plans

* Match existing deck surface profile

** Protective Netting and Side Slope to be installed and paid for during adjacent reversible bridge construction. For Notes, See Sheet S35-06.

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STATE OF ILLINOIS
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STAGE CONSTRUCTION DETAILS II
SN 016-0115 (SB)

SHEET S35-04 OF S35-19 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	2020-004-BR	COOK	1492	1318
		CONTRACT NO. 62K74		
	ILLINOIS FED. AID PROJECT			

⚠1 REV. 1/10/23

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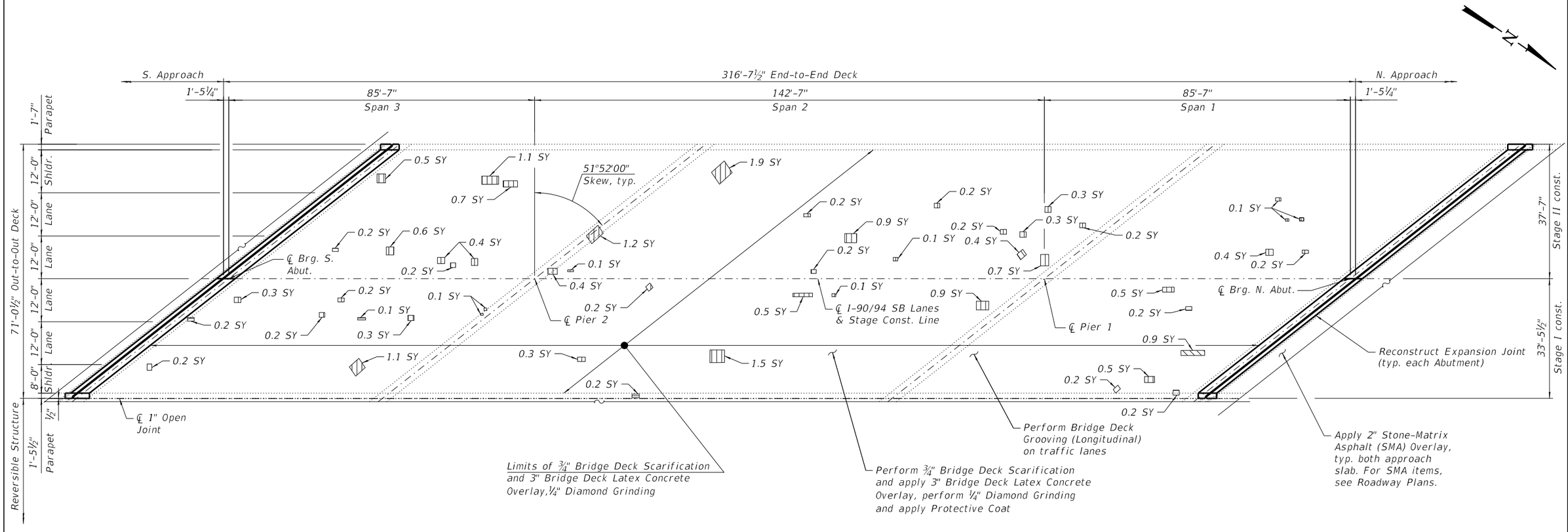

DECK PLAN

NOTES:

1. Areas of deck repair shown are estimated. The Engineer shall show actual locations of deck repairs at the time of construction.
2. For bridge deck final cross section, see Sheet S35-04.
3. For North and South transverse joint removal and reconstruction, see Sheet S35-07 thru S35-12.
4. Perform ¼" Diamond Grinding to top of bridge deck and abutment hatched block.
5. Perform Bridge Deck Grooving (Longitudinal) on traffic lanes.
6. Protective Coat shall be applied to the top of reconstructed transverse joints, top and inside face of parapets and top of latex concrete overlay.
7. Any reinforcement bars that are damaged during concrete removal operations shall be repaired or replaced using an approved bar splicer or anchorage system. Cost incidental to Concrete Removal.
8. The Contractor shall exercise extreme caution during concrete removal to avoid damaging the steel beams and diaphragms to remain. Any damage to the existing steel beams and/or diaphragms to remain caused by the Contractor in the performance of his/her work shall be repaired by the Contractor, to the satisfaction of the Engineer at no cost to the Department.
9. Prior to any reconstruction or resurfacing of the bridge deck, a team of the consultant WJE will require access to contractor work zone to take cores of existing deck for independent study with IDOT. Contractor to coordinate with IDOT/WJE in advance. There is no cost to the contractor.
10. The existing Protective Netting and Side Slope shall be removed under the I-90/94 SB & REV bridges.
11. The removal of the existing Side Slope will not be paid separately but shall be included in the cost of Removal of Existing Protective Netting.
12. Protective Netting will be installed and paid for during adjacent reversible bridge construction.

LEGEND

	*Deck Slab Repair (Partial Depth)
	Deck Slab Repair (Full Depth, Type I)
	Deck Slab Repair (Full Depth, Type II)
SY	Square Yard

* Areas of Deck Slab Repair (Partial Depth) are provided for information only and shall be included in the cost of Bridge Deck Latex Concrete Overlay, 3 Inches

BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Protective Shield	Sq Yd	1,420
Protective Coat	Sq Yd	2,795
Protect and Maintain Existing Underpass Luminaire	L Sum	0.022
Bridge Deck Grooving (Longitudinal)	Sq Yd	1,685
Bridge Deck Latex Concrete Overlay, 3 Inches	Sq Yd	2,339
Bridge Deck Scarification 3/4"	Sq Yd	2,339
Deck Slab Repair (Full Depth, Type I)	Sq Yd	1.1
Deck Slab Repair (Full Depth, Type II)	Sq Yd	0.9
Diamond Grinding (Bridge Section)	Sq Yd	2,387
Maintenance of Lighting System	Cal Mo	6
Removal of Existing Protective Netting	Sq Yd	3,830

GRAEF
8501 W. Higgins Road; Suite 280
Chicago, Illinois 60631; (773) 399-0112

USER NAME =	DESIGNED - J.T.B.	REVISED 1 1/6/2023 J.T.B.	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BRIDGE DECK REPAIR PLAN AND DETAILS SN 016-0115 (SB)	
	CHECKED - H.A.	REVISED -			
PLOT SCALE =	DRAWN - J.T.B.	REVISED -			
PLOT DATE =	CHECKED - H.A.	REVISED -		SHEET S35-06 OF S35-19 SHEETS	

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	2020-004-BR	COOK	1492	1320
		CONTRACT NO. 62K74		
	ILLINOIS FED. AID PROJECT			

1 REV. 1/10/23

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GENERAL NOTES

1. Reinforcement bars designated (E) shall be epoxy coated.
2. Prior to pouring the new concrete deck for Expansion Joints Reconstruction and Bridge Deck repairs, all heavy or loose mill scale, and other loose or potentially detrimental foreign material shall be removed from the surfaces in contact with concrete. Tightly adhered paint may remain unless otherwise noted. Removal shall be accomplished by methods that will not damage the steel and the cost will be included in the Concrete Removal pay item. As directed by the Engineer, existing construction accessories welded to the top flange of beams and girders shall be removed. The weld areas shall be ground flush and inspected for cracks using magnetic particle testing (MT) or dye penetrant testing (PT) by qualified personnel approved by the Engineer. Any cracks that cannot be removed by grinding ¼" deep shall be identified and reported to the Bureau of Bridges and Structures for further dispositions. The cost of removing welded accessories, grinding and inspecting weld areas and grinding cracks will be paid for according to Article 109.04 of the Standard Specifications.
3. Plan dimensions and details relative to the existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity furnished at the unit price bid for the work.
4. Cleaning and field painting of structural steel shall be done under a separate painting contract.
5. The existing structural steel coating contains lead. The Contractor shall take appropriate precautions to deal with the presence of lead on this project.
6. Existing reinforcement extended into the removal of area shall be cleaned, straightened and incorporated into the new construction. Any reinforcement bars that are damaged during concrete removal operations shall be replaced using an approved bar splicer or anchorage system. The cost of cleaning shall be included in the cost of Concrete Removal.
7. Bars indicated thus, 3x2-#5, indicates 3 lines of #5 bars with 2 lengths of bar per line.
8. All exposed concrete edges shall have a ¾"x45° chamfer, except where shown otherwise.
9. For SMA overlay on Approach Slab, see Roadway Plans.
10. Protective Coat shall be applied to the top of reconstructed transverse joint areas, top and inside face of the parapets, and top of Latex Concrete overlay.
11. Joint openings shall be adjusted according to Article 520.04 of the Standard Specification when the deck is poured at an ambient temperature other than 50°F.
12. Adjacent I-90/94 Northbound and Southbound bridge is not shown throughout the plans for clarity.
13. The Contractor shall take the necessary precautions for the protection of passing vehicles, bicycles and pedestrians from falling objects and/or materials until completion of work.
14. The Contractor is responsible to remove, support and reinstall all existing electrical conduits interfering with the work. See special provision "Protection and Maintenance of Existing Underpass Luminaires".
15. The Contractor shall exercise caution during Concrete Removal to avoid damaging the steel beams and diaphragms to remain. Any damage to the existing steel beams and/or diaphragms to remain caused by the Contractor in the performance of his/her work shall be repaired by the Contractor, to the satisfaction of the Engineer, at no cost to the Department.
16. The Contractor is responsible to protect the existing conduit and junction box embedded in the parapet during concrete removal and construction. Any damage to the existing conduit and junction box shall be repaired by the Contractor at no additional cost to the Department.
17. Where underpass lighting is present on the structure, the Contractor shall adjust the Protective Shielding to be placed above the existing lighting fixtures in order to maintain the existing level of lighting on the roadway underneath. Details shall be approved by the Engineer before installation.
18. Any adjustment done to the Protective Shield System must not change the system's load carrying capacity (or containment specifications) as indicated in the Standard Specifications. Cost of adjusting shielding is including in the cost of Protective Shield.
19. The Contractor shall contact Chandra Libby, the Director of City of Chicago Department of Family Support Services (DFSS) at 312-746-5443 or Chandra.Libby@cityofchicago.org to coordinate the relocation of persons and their personal belongings under the bridges within the areas bounded by the temporary chain-link-fence.
20. Prior to the application of the Concrete Sealer, the Contractor shall clean all existing debris from the abutment seats. The method of debris removal shall not damage the existing concrete and shall be approved by the Engineer. The debris shall be disposed of according to Art 202.03 of the Std Specs. The cost of cleaning shall be included in the cost of Concrete Sealer.

SCOPE OF WORK

1. Provide Protective Shield within limits indicated on the plans.
2. Scarify ¾" from the bridge deck slab.
3. Perform deck repairs.
4. Remove and reconstruct expansion joints at north and south abutments and install new Preformed Joint Strip Seals.
5. Apply a 3" Bridge Deck Latex Concrete Overlay on Bridge Deck. Apply a 2" Stone-Matrix Asphalt (SMA) Overlay on the Approach Slabs, see Roadway Plans.
6. Perform ¼" Diamond Grinding to top of bridge deck and abutment hatched block.
7. Perform Bridge Deck Grooving (Longitudinal) on traffic lanes.
8. Apply Protective Coat to the top and inside faces of parapets, reconstructed transverse expansion joints and to the surface of the new overlay.
9. Perform Structural Repair of Concrete to the Abutments and Piers as noted in the plans.
10. Epoxy crack injection at the abutments and piers for cracks greater than hairline.
11. Perform slope wall repairs.
12. Install 2½" Performed Joint Seal along top of parapet between I-90/94 Southbound and Reversible lanes.
13. Install Protective Netting and Side Slope under I-90/94 SB and REV bridges.

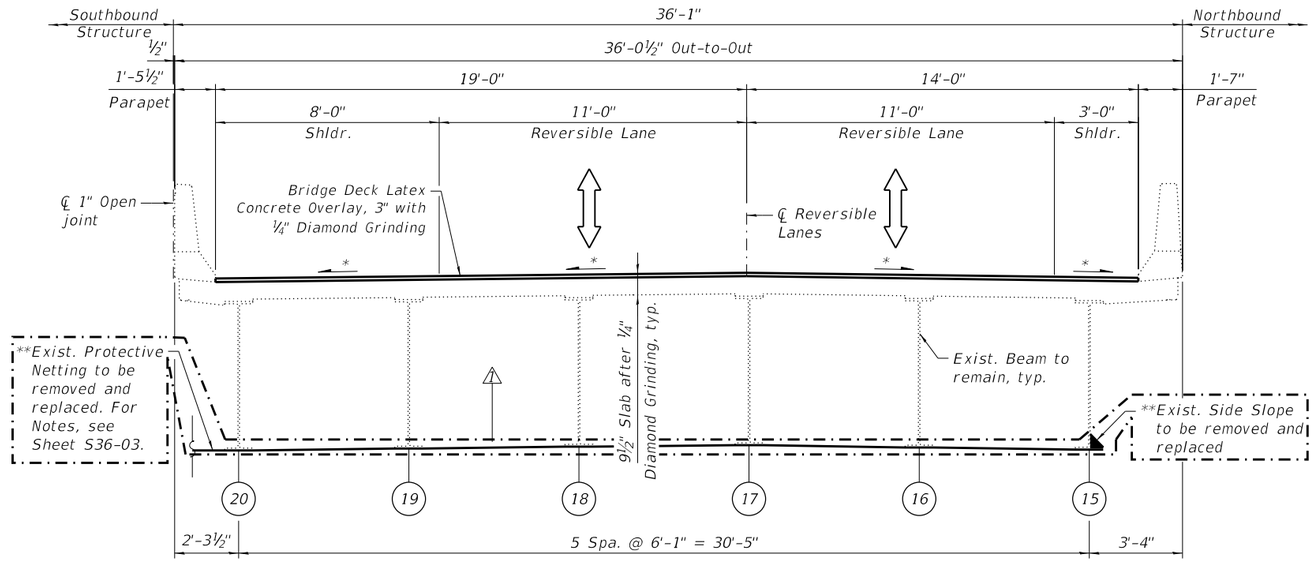
TOTAL BILL OF MATERIAL

	ITEM	UNIT	SUPER	SUB	TOTAL
	Concrete Removal	Cu Yd	17.9		17.9
	Protective Shield	Sq Yd	721		721
	Concrete Superstructure	Cu Yd	20.1		20.1
	Protective Coat	Sq Yd	1,482		1,482
	Reinforcement Bars, Epoxy Coated	Pound	3,110		3,110
	Preformed Joint Seal 2 1/2"	Foot	322		322
	Preformed Joint Strip Seal	Foot	111		111
	Concrete Sealer	Sq Ft		641	641
	Protect and Maintain Existing Underpass Luminaire	L Sum		0.022	0.022
***	Protective Netting	Sq Yd		3,830	3,830
	Bridge Deck Grooving (Longitudinal)	Sq Yd	773		773
	Bridge Deck Latex Concrete Overlay, 3 Inches	Sq Yd	1,135		1,135
	Bridge Deck Scarification 3/4"	Sq Yd	1,135		1,135
	Structural Repair of Concrete (Depth Equal to or less than 5 Inches)	Sq Ft		73	73
	Deck Slab Repair (Full Depth, Type I)	Sq Yd	0.3		0.3
	Deck Slab Repair (Full Depth, Type II)	Sq Yd	2.1		2.1
	Diamond Grinding (Bridge Section)	Sq Yd	1,159		1,159
	Maintenance of Lighting System	Cal Mo		6	6

*** Quantity is for Protective Netting under I-90/94 SB and REV bridges.

INDEX OF SHEETS

S36-01	General Plan & Elevation
S36-02	General Data
S36-03	Bridge Deck Repair Plan and Details
S36-04-S36-06	South Abutment Expansion Joint Details I, II & III
S36-07-S36-09	North Abutment Expansion Joint Details I, II & III
S36-10	Preformed Joint Strip Seal
S36-11	South Abutment Repairs
S36-12	North Abutment Repairs
S36-13	Pier 1 Repairs
S36-14	Pier 2 Repairs
S36-15	Slope Wall Repairs



* Match existing deck surface profile

** Protective Netting and Side Slope to be removed and replaced under I-90/94 SB & REV Bridges. For Notes, See Sheet S36-03.

FINAL CROSS SECTION

(Looking West)

GRAEF
8501 W. Higgins Road; Suite 280
Chicago, Illinois 60631; (773) 399-0112

USER NAME =		DESIGNED -	J.T.B.	REVISED 1 1/6/2023 J.T.B.	
		CHECKED -	H.A.	REVISED -	
PLOT SCALE =		DRAWN -	D.C.P.	REVISED -	
PLOT DATE =		CHECKED -	K.G.W.	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL DATA
SN 016-0115 (REV)
SHEET S36-02 OF S36-15 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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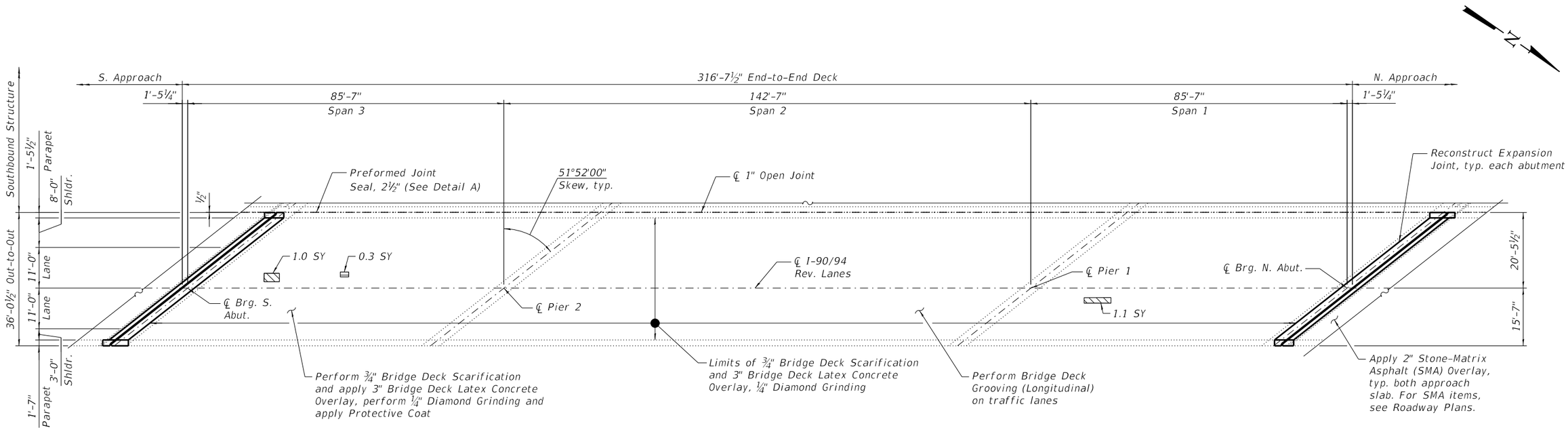
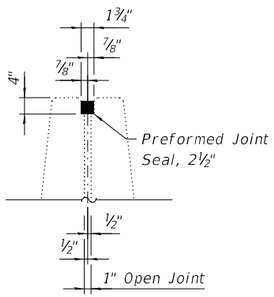
		CONTRACT NO. 62K74		
	ILLINOIS FED. AID PROJECT			

1 REV. 1/10/23



DECK PLAN



DETAIL A

(Reinforcement not shown for clarity)

NOTES:

1. Areas of deck repair shown are estimated. The Engineer shall show actual locations of deck repairs at the time of construction.
2. For bridge deck final cross section, see Sheet S36-02.
3. For North and South transverse joint removal and reconstruction, see Sheet S36-04 thru S36-09.
4. Perform ¼" Diamond Grinding to top of bridge deck and abutment hatched block.
5. Perform Bridge Deck Grooving (Longitudinal) on traffic lanes.
6. Protective Coat shall be applied to the top of reconstructed transverse joints, top and inside face of parapets and top of latex concrete overlay.
7. Any reinforcement bars that are damaged during concrete removal operations shall be repaired or replaced using an approved bar splicer or anchorage system. Cost incidental to Concrete Removal.
8. The Contractor shall exercise extreme caution during concrete removal to avoid damaging the steel beams and diaphragms to remain. Any damage to the existing steel beams and/or diaphragms to remain caused by the Contractor in the performance of his/her work shall be repaired by the Contractor, to the satisfaction of the Engineer at no cost to the Department.
9. Existing Protective Netting and Side Slope under both I-90/94 SB & REV bridges shall be removed during adjacent southbound bridge construction.
10. Protective Netting and Side Slope shall be installed under both I-90/94 SB & REV bridges.
11. Protective Netting shall begin/end 5 feet from the beam ends near the abutments and fold up towards the bottom of the bridge deck. Protective Netting shall extend across the slopewalls, sidewalks and Irving Park Rd.
12. The Protective Netting shall not be allowed to sag due to the low bridge clearance.
13. Protective Netting shall be attached to the bottom flanges using clamps only, no welding will be permitted.
14. At the piers, the protective netting shall extend down to the pier caps to prevent pigeons from roosting.
15. At the fascia beams a side slope shall be installed to preclude the pigeons on the outside flanges of the fascia beams, side slopes shall extend to the full length of the beam. Note that flanges vary in width.
16. Side Slope will not be paid separately but shall be included in the cost of Protective Netting.
17. The bottom flange of the beams shall be cleaned of all debris before installing the netting and side slopes. This work will not be paid separately but shall be included in the contract unit price for the Protective Netting pay item involved and no additional compensation will be allowed.

LEGEND

	Deck Slab Repair (Full Depth, Type I)
	Deck Slab Repair (Full Depth, Type II)
SY	Square Yard

BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Protective Shield	Sq Yd	721
Protective Coat	Sq Yd	1,482
Preformed Joint Seal 2 1/2"	Foot	322
Protect and Maintain Existing Underpass Luminaire	L Sum	0.022
Protective Netting	Sq Yd	3,830
Bridge Deck Grooving (Longitudinal)	Sq Yd	773
Bridge Deck Latex Concrete Overlay, 3 Inches	Sq Yd	1,135
Bridge Deck Scarification 3/4"	Sq Yd	1,135
Deck Slab Repair (Full Depth, Type I)	Sq Yd	0.3
Deck Slab Repair (Full Depth, Type II)	Sq Yd	2.1
Diamond Grinding (Bridge Section)	Sq Yd	1,159
Maintenance of Lighting System	Cal Mo	6

GRÄEF
8501 W. Higgins Road; Suite 280
Chicago, Illinois 60631; (773) 399-0112

USER NAME =	DESIGNED - J.T.B.	REVISED 1 1/6/2023 J.T.B.	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BRIDGE DECK REPAIR PLAN AND DETAILS SN 016-0115 (REV)	
	CHECKED - H.A.	REVISED -			
PLOT SCALE =	DRAWN - J.T.B.	REVISED -			
PLOT DATE =	CHECKED - K.G.W.	REVISED -		SHEET S36-03 OF S36-15 SHEETS	

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	2020-004-BR	COOK	1492	1336
		CONTRACT NO. 62K74		
	ILLINOIS FED. AID PROJECT			

1 REV. 1/10/23

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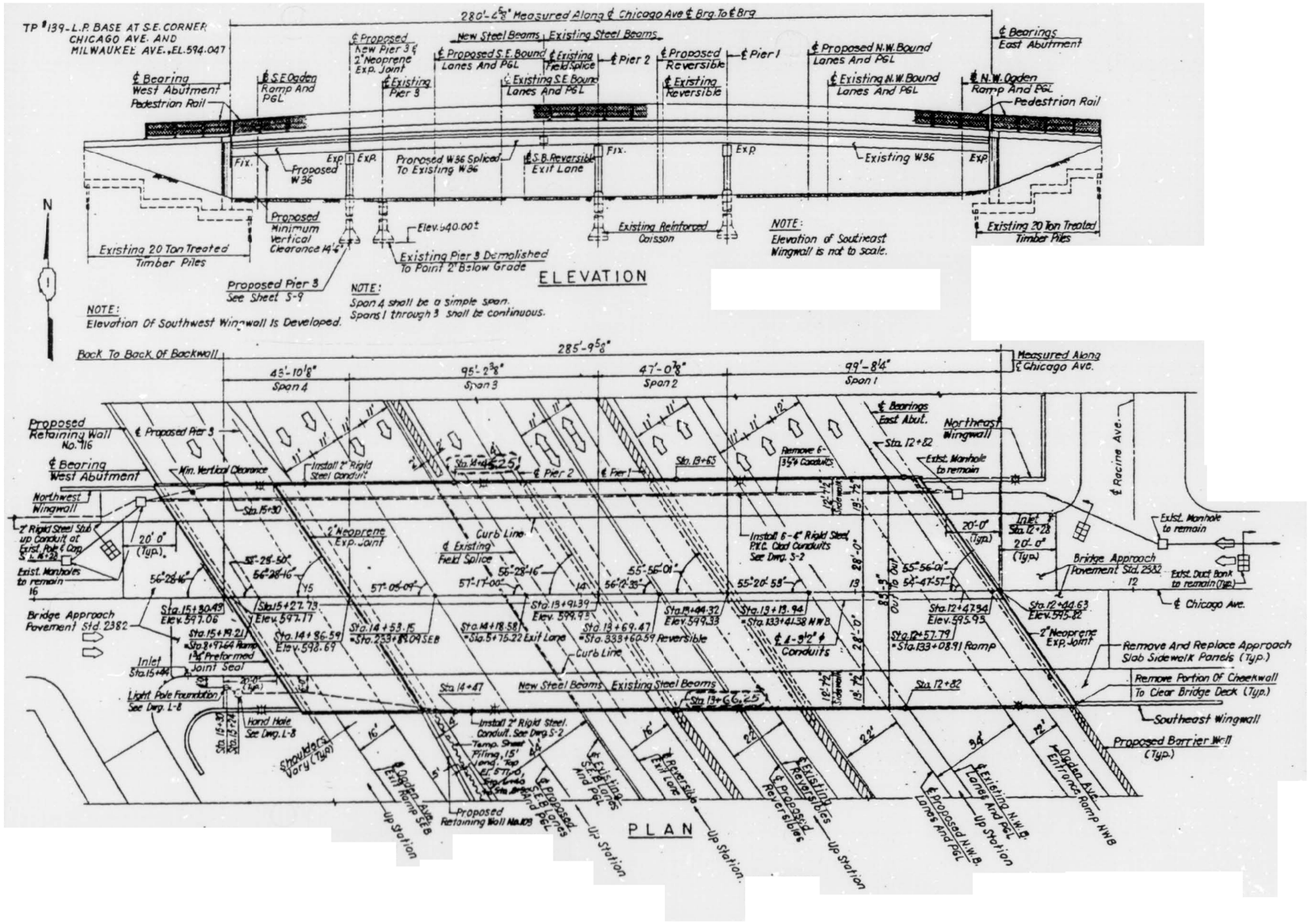

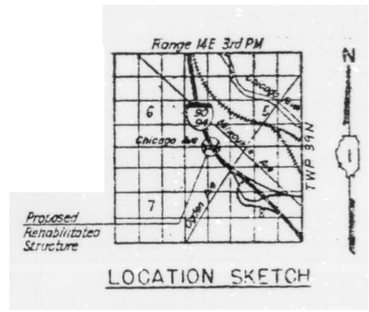

INTERIOR GIRDER REACTION TABLE

	E. ABUT.	PIER 1	PIER 2	PIER 3 (SPAN 3)	PIER 3 (SPAN 4)	W. ABUT.
RDL (K)	35.5	70.6	66.4	34.6	24.1	24.1
RLL (K)	30.4	40.5	39.5	30.5	33.5	33.5
Imp. (K)	6.7	10.5	10.3	7.0	10.1	10.1
R TOTAL (K)	72.6	121.6	116.2	72.1	67.7	67.7

TOTAL BILL OF MATERIALS (SN 016–2046)

CODE	ITEM	UNIT	QTY
Z0012754	STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5")	SQ FT	808
Z0012755	STRUCTURAL REPAIR OF CONCRETE (DEPTH GREATER THAN 5")	SQ FT	987
Z0073200	TEMPORARY SHORING AND CRIBBING	EACH	22

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PLOT DATE = 11/10/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN & ELEVATION (SN 016–2046)
I–90 /94 – I–94 TO HUBBARD ST (EXPRESS /REVERSIBLE LANES)

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2020-004-BR	COOK	1492	1478A
* = F.A.I. 90 & F.A.I. 94		CONTRACT NO. 62K74		
	ILLINOIS FED. AID PROJECT			

1 REV. 1/10/23

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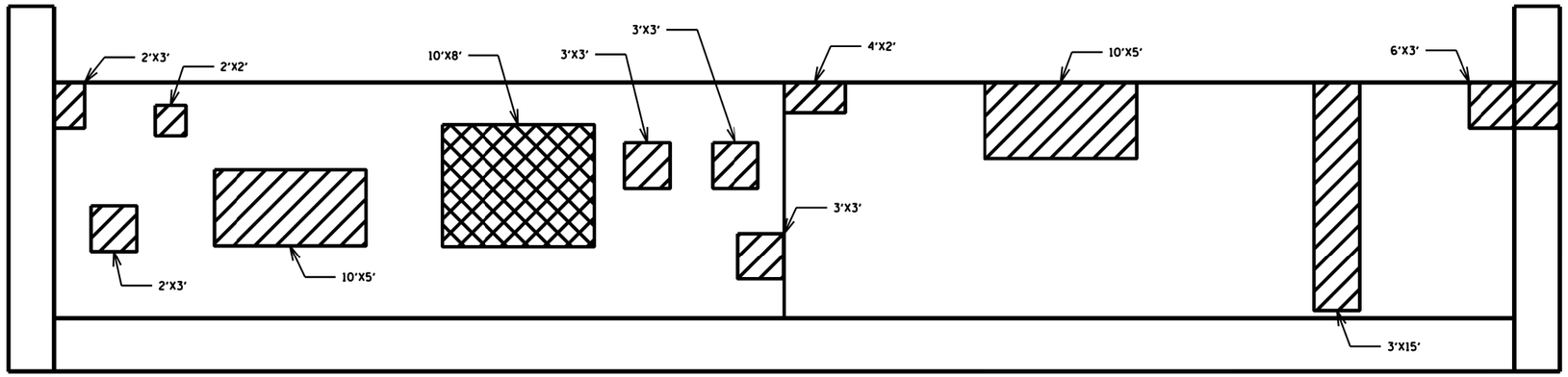
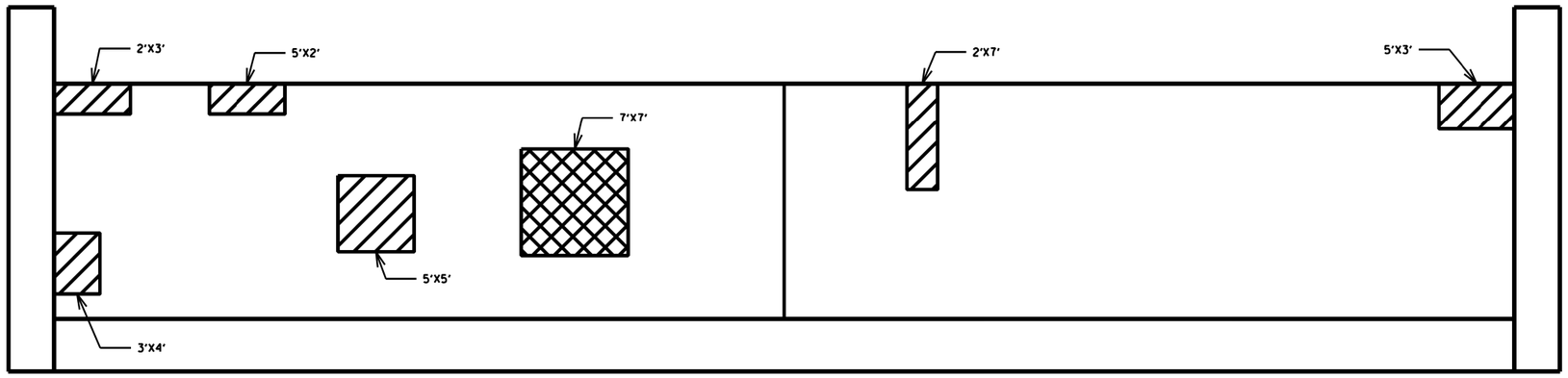


EAST ABUTMENT



WEST ABUTMENT

STRUCTURAL REPAIR OF CONCRETE < 5''

STRUCTURAL REPAIR OF CONCRETE > 5''

BILL OF MATERIALS

CODE	ITEM	UNIT	QTY
Z0012754	STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5")	SQ FT	296
Z0012755	STRUCTURAL REPAIR OF CONCRETE (DEPTH GREATER THAN 5")	SQ FT	129

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PLOT DATE = 11/10/2022	DATE -	REVISED -	

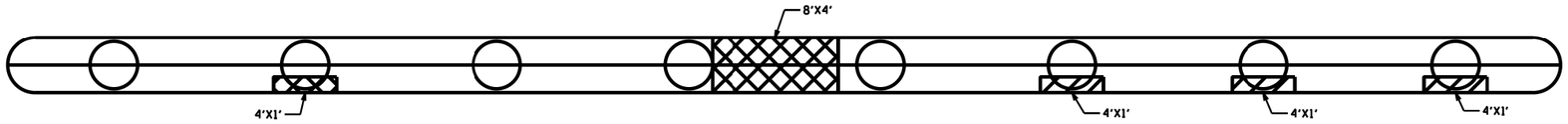
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBSTRUCTURE REPAIRS – ABUTMENTS (SN 016–2046)
I–90 /94 – I–94 TO HUBBARD ST (EXPRESS /REVERSIBLE LANES)

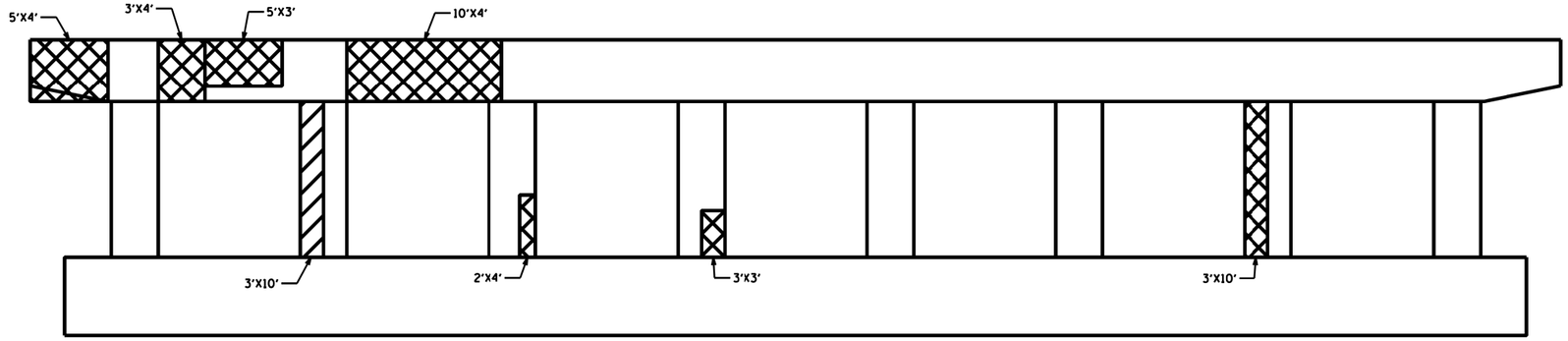
SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2020-004-BR	COOK	1492	1478B
* = F.A.I. 90 & F.A.I. 94		CONTRACT NO. 62K74		
	ILLINOIS FED. AID PROJECT			

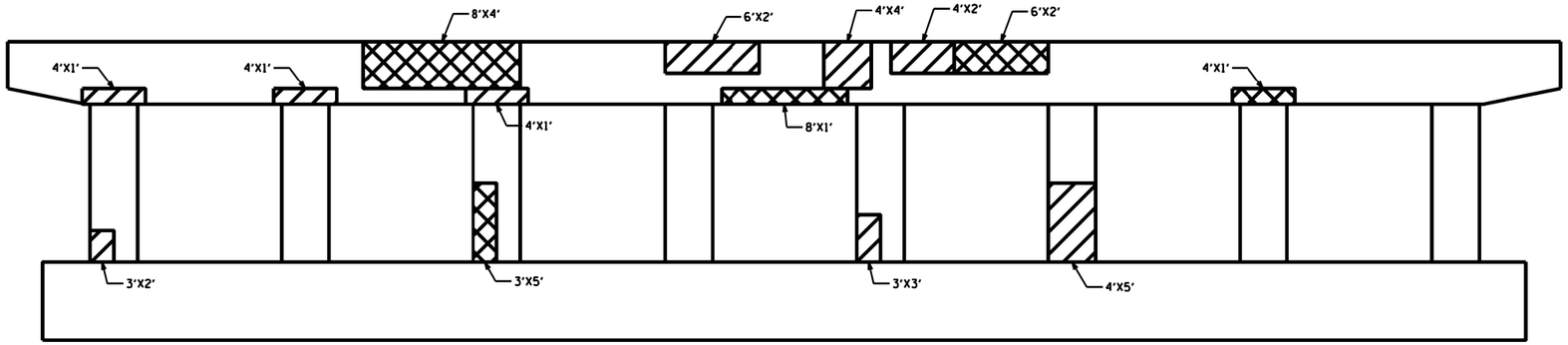
1 ADDED SHEET 1/10/23



BOTTOM OF PIER CAP LOOKING UP FROM EAST SIDE



PIER 1 EAST FACE LOOKING WEST



PIER 1 WEST FACE LOOKING EAST

STRUCTURAL REPAIR OF CONCRETE < 5''

STRUCTURAL REPAIR OF CONCRETE > 5''

BILL OF MATERIALS

CODE	ITEM	UNIT	QTY
Z0012754	STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5")	SQ FT	125
Z0012755	STRUCTURAL REPAIR OF CONCRETE (DEPTH GREATER THAN 5")	SQ FT	241
Z0073200	TEMPORARY SHORING AND CRIBBING	EACH	8

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PLOT DATE = 11/10/2022	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBSTRUCTURE REPAIRS – PIER 1 (SN 016–2046)
I–90 /94 – I–94 TO HUBBARD ST (EXPRESS /REVERSIBLE LANES)

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2020-004-BR	COOK	1492	1478C
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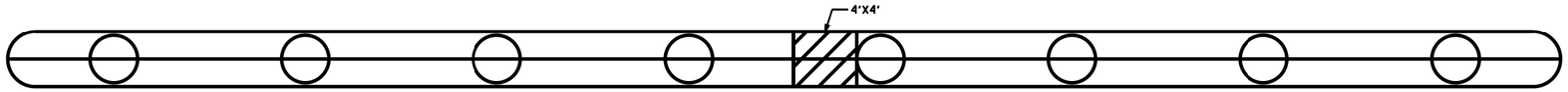
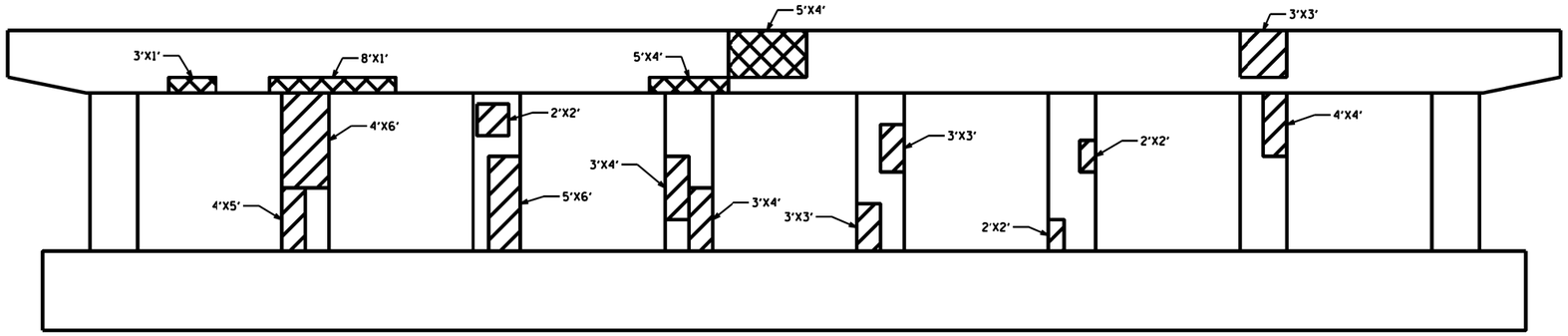
	ILLINOIS FED. AID PROJECT			

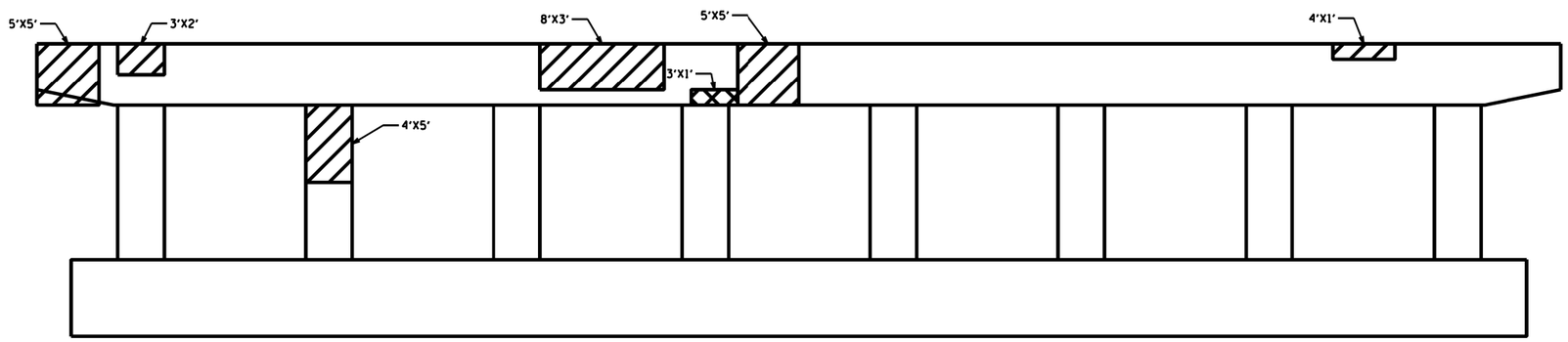
1 ADDED SHEET 1/10/23



BOTTOM OF PIER CAP LOOKING UP FROM EAST SIDE



PIER 2 EAST FACE LOOKING WEST



PIER 2 WEST FACE LOOKING EAST

STRUCTURAL REPAIR OF CONCRETE < 5''

STRUCTURAL REPAIR OF CONCRETE > 5''

BILL OF MATERIALS

CODE	ITEM	UNIT	QTY
Z0012754	STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5")	SQ FT	273
Z0012755	STRUCTURAL REPAIR OF CONCRETE (DEPTH GREATER THAN 5")	SQ FT	54

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	DRAWN -	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 11/10/2022	DATE -	REVISED -	

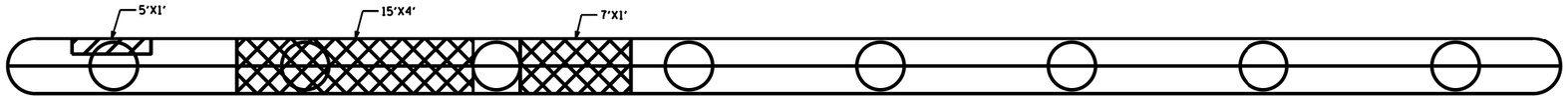
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBSTRUCTURE REPAIRS – PIER 2 (SN 016–2046)
I–90 /94 – I–94 TO HUBBARD ST (EXPRESS /REVERSIBLE LANES)

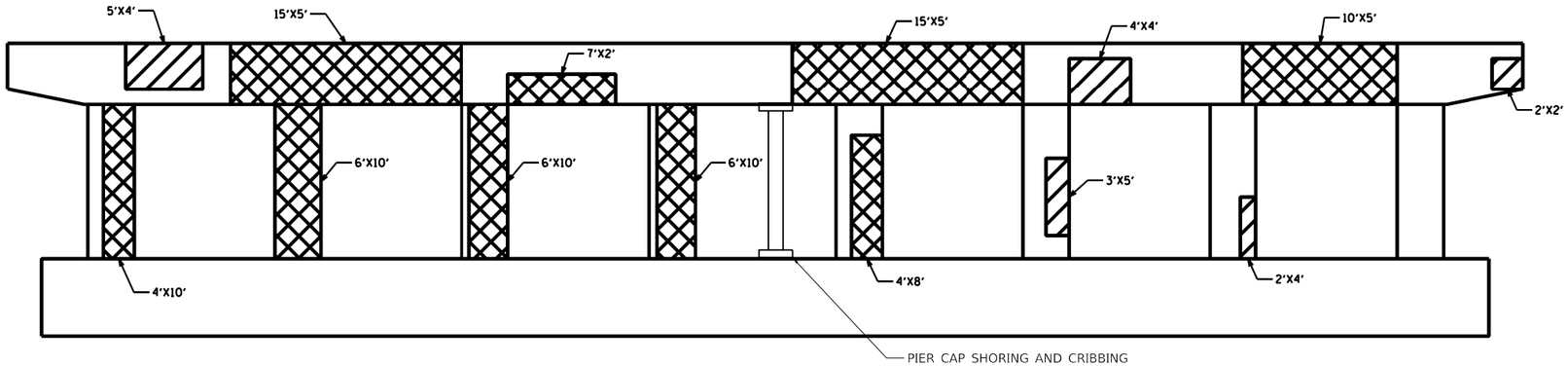
SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2020-004-BR	COOK	1492	1478D
* = F.A.I. 90 & F.A.I. 94		CONTRACT NO. 62K74		
	ILLINOIS FED. AID PROJECT			

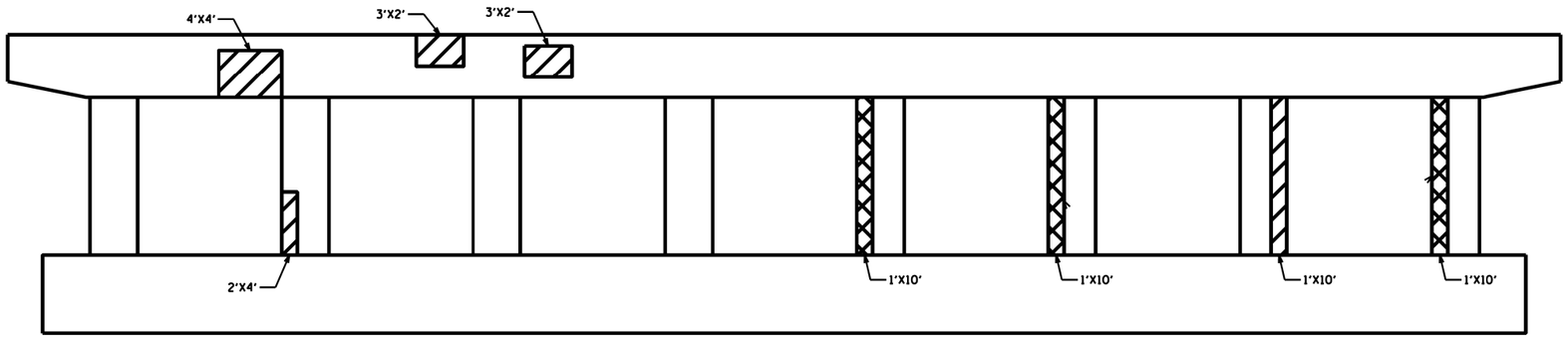
1 ADDED SHEET 1/10/23



BOTTOM OF PIER CAP LOOKING UP FROM EAST SIDE



PIER 3 EAST FACE LOOKING WEST



PIER 3 WEST FACE LOOKING EAST

STRUCTURAL REPAIR OF CONCRETE < 5''

STRUCTURAL REPAIR OF CONCRETE > 5''

BILL OF MATERIALS

CODE	ITEM	UNIT	QTY
Z0012754	STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5")	SQ FT	114
Z0012755	STRUCTURAL REPAIR OF CONCRETE (DEPTH GREATER THAN 5")	SQ FT	563
Z0073200	TEMPORARY SHORING AND CRIBBING	EACH	14

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	DRAWN -	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 11/10/2022	DATE -	REVISED -	

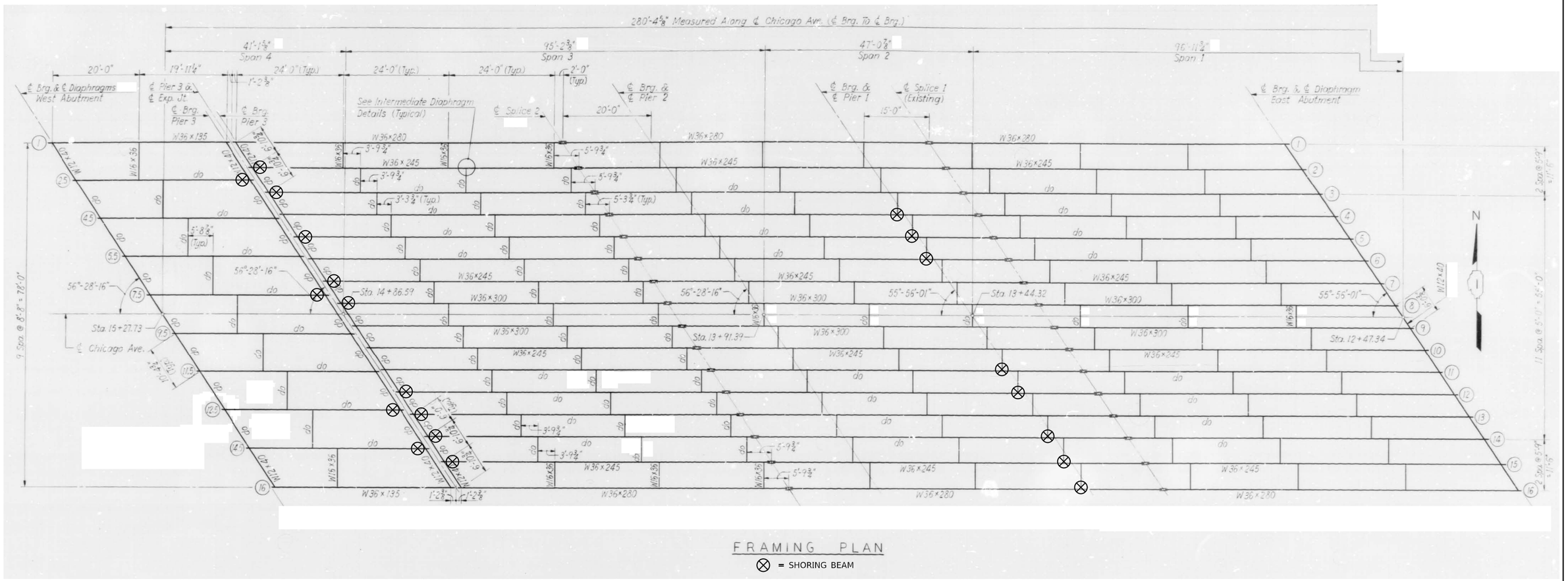
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBSTRUCTURE REPAIRS – PIER 3 (SN 016–2046)
I–90 /94 – I–94 TO HUBBARD ST (EXPRESS /REVERSIBLE LANES)

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2020-004-BR	COOK	1492	1478E
* = F.A.I. 90 & F.A.I. 94		CONTRACT NO. 62K74		
	ILLINOIS FED. AID PROJECT			

1 ADDED SHEET 1/10/23



FRAMING PLAN

⊗ = SHORING BEAM

BILL OF MATERIALS

CODE	ITEM	UNIT	QTY
Z0073200	TEMPORARY SHORING AND CRIBBING	EACH	21

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USER NAME = Jacob.Roth	DESIGNED -	REVISED - 1 01/06/2023	
	DRAWN -	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 11/10/2022	DATE -	REVISED -	

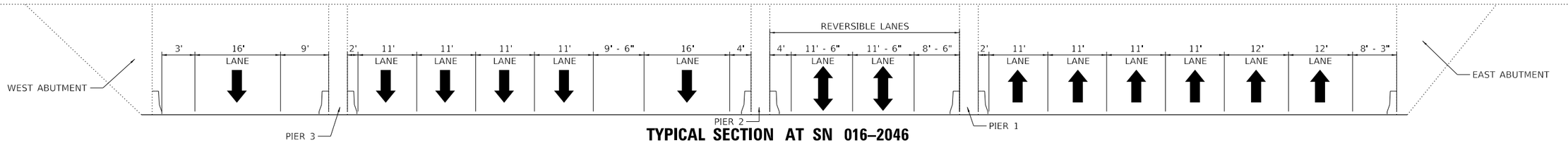
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBSTRUCTURE REPAIRS – SHORING PLAN (SN 016–2046)
I–90 /94 – I–94 TO HUBBARD ST (EXPRESS /REVERSIBLE LANES)

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

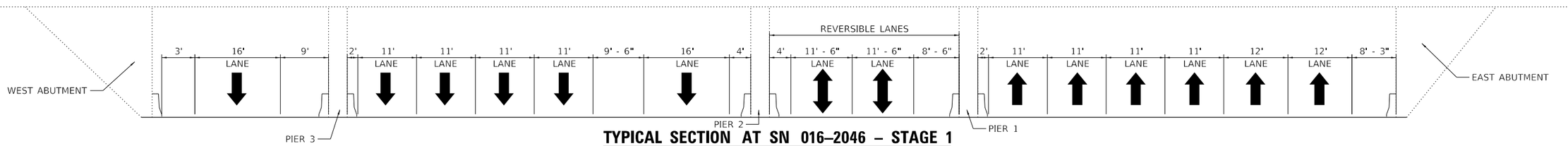
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
"	2020-004-BR	COOK	1492	1478F
* = F.A.I. 90 & F.A.I. 94		CONTRACT NO. 62K74		
	ILLINOIS FED. AID PROJECT			

1 ADDED SHEET 1/10/23



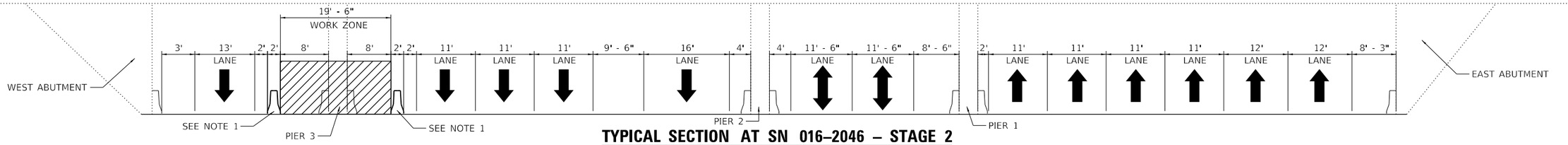
TYPICAL SECTION AT SN 016–2046

(LOOKING UP STATION)



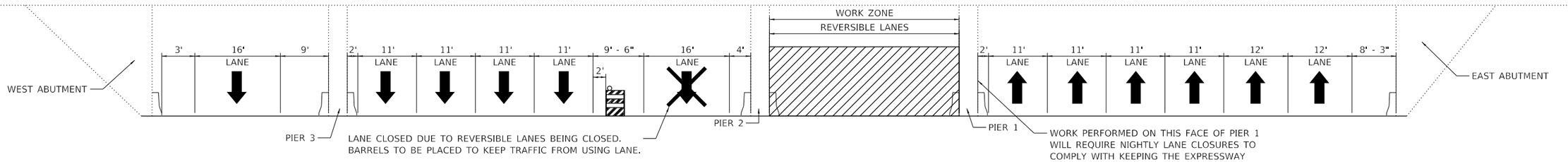
TYPICAL SECTION AT SN 016–2046 – STAGE 1

(LOOKING UP STATION)



TYPICAL SECTION AT SN 016–2046 – STAGE 2

(LOOKING UP STATION)



TYPICAL SECTION AT SN 016–2046 – STAGE 3

(LOOKING UP STATION)

NOTES

1. TEMPORARY CONCRETE BARRIER WALL SHALL BE USED IN THIS LOCATION TO PROTECT THE SHORING AND CRIBBING. SEE MOT AND BRIDGE PLANS FOR LOCATIONS.
2. BARRIER WALL REFLECTORS SHALL BE INSTALLED WHERE SHOULDER IS THREE FEET OR LESS. REFLECTORS SHALL BE INSTALLED EVERY 25' ON THE TOP AND SIDE WALL OF THE BARRIER.
3. COORDINATION WITH CN 60T46 AND CN 62U36IS NEEDED AS STAGING OF WORK AND LANE CLOSURES MAY OVERLAP.

USER NAME = Jacob.Roth	DESIGNED -	REVISED - 1 01/06/2023	
	DRAWN -	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 11/16/2022	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC – TYPICAL SECTIONS
I–90 /94 – I–94 TO HUBBARD ST (EXPRESS /REVERSIBLE LANES)

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2020-004-BR	COOK	1492	1478F
* = F.A.I. 90 & F.A.I. 94		CONTRACT NO. 62K74		
	ILLINOIS FED. AID PROJECT			

1 ADDED SHEET 1/10/23

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