F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1301	16-00278-00-BR	COOK	136	1
	ILLINOIS	CONTRACT NO. 61F92		

FEDERAL AID PROGRAM ENGINEER: CARMEN E RAMOS, P.E., SCHAUMBURG, IL

FOR INDEX OF SHEETS, SEE SHEET NO. 2

07-31-2020 LETTING ITEM 070

STATE OF ILLINOIS
D. SCOTT ESHLEMAN
081-005155
CHICAGO
STRUCTURAL ENGINEER
EXPIRATION DATE: 11-30-2020
DATE 02/28/2020

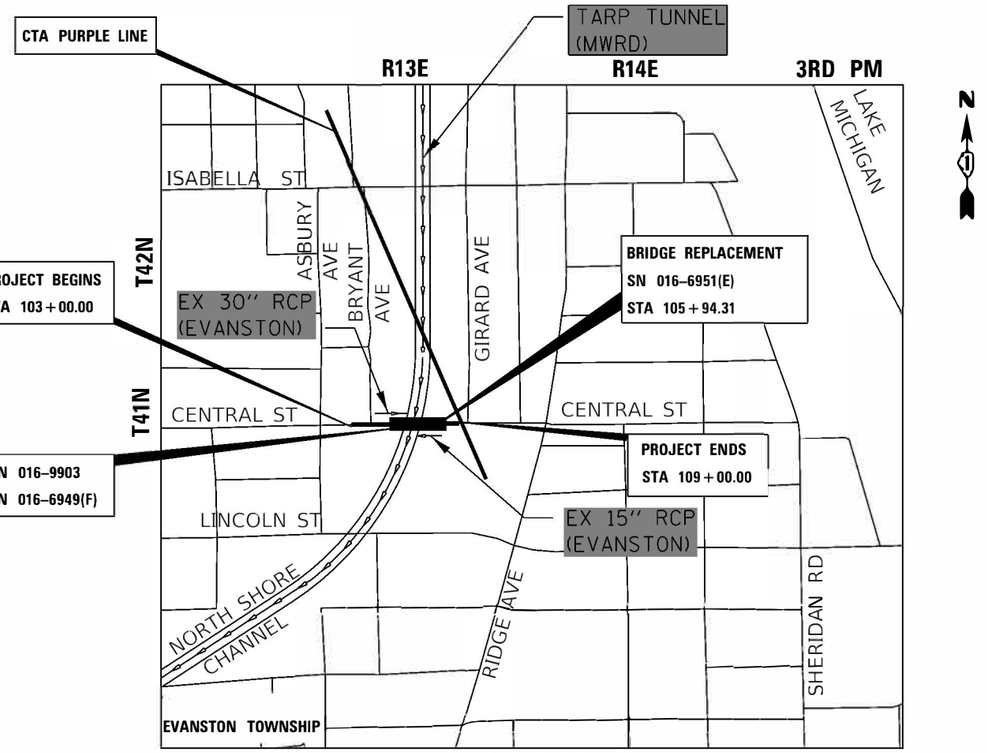
KYLE CHAMBERLAIN
062-061132
REGISTERED PROFESSIONAL ENGINEER
ILLINOIS
EXPIRATION DATE: 11-30-2021
DATE 3/4/2020

PAUL SCHNEIDER
062-048161
REGISTERED PROFESSIONAL ENGINEER
ILLINOIS
EXPIRATION DATE: 11-30-2021
DATE 02/28/2020

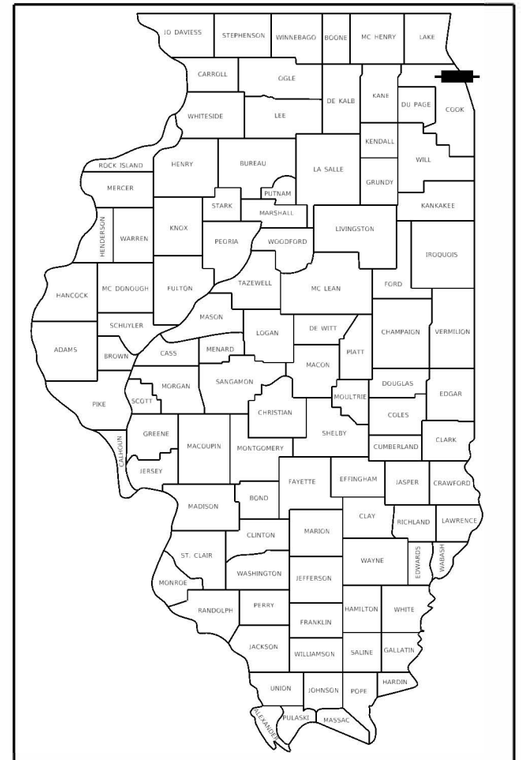
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLANS FOR PROPOSED FEDERAL AID HIGHWAY

FAU ROUTE 1301 (CENTRAL STREET)
RECONSTRUCTION AND BRIDGE REPLACEMENT
OVER NORTH SHORE CHANNEL
SECTION 16–00278–00–BR
PROJECT TNM6(849)
CITY OF EVANSTON
COOK COUNTY
C–91–301–16



LOCATION MAP
NOT TO SCALE



LOCATION OF SECTION INDICATED THUS: –

100′ 200′ 300′ — 1″ = 100′
10′ 20′ 30′ — 1″ = 10′
50′ 100′ — 1″ = 50′
5′ 10′ — 1″ = 5′
50′ 100′ — 1″ = 40′
50′ 100′ — 1″ = 30′
50′ 100′ — 1″ = 20′

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

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

TRAFFIC DATA

CENTRAL STREET POSTED SPEED LIMIT = 25 MPH
CENTRAL STREET DESIGN SPEED LIMIT = 25 MPH
CENTRAL STREET TRAFFIC VOLUME = 9,650 ADT 2014

HIGHWAY CLASSIFICATION

CENTRAL STREET DESIGN DESIGNATION = MINOR ARTERIAL

CITY SENIOR PROJECT MANAGER: SAT NAGAR, P.E.
PROJECT ENGINEER: CURT E. GRASS, P.E.
PROJECT MANAGER: PAUL A. SCHNEIDER, P.E.
CONTRACT NO. 61F92

Stanley Consultants INC.

GROSS LENGTH = 600.00 FT. = 0.11 MILE
NET LENGTH = 600.00 FT. = 0.11 MILE

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

APPROVED MARCH 2 20 20
CITY OF EVANSTON, CITY MANAGER

PASSED May 6 20 20
DISTRICT 1 ENGINEER OF LOCAL ROADS AND STREETS

RELEASING FOR BID BASED ON LIMITED REVIEW May 7 20 20
REGIONAL ENGINEER

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

INDEX OF SHEETS

COMMITMENTS:

1. CANAL SHORES SECTION 4(f) RELOCATION AND RESTORATION AGREEMENTS
   - A. SALVAGE AND RELOCATE EXISTING PUTTING GREENS ON CANAL SHORES PROPERY.
   - B. RESTORE USGA PUTTING GREEN AFTER PROJECT COMPLETION
   - C. RESTORATION OF REMOVED TREES AROUND PROJECT LOCATION
   - D. RESTORATION OF PLANTED BERM IN FRONT OF HOLE 13.
   - E. MAINTAIN GOLF CART CORSSING EAST OF BRYANT AVENUE.
2. TO AVOID IMPACTS TO THE BANDED KILLIFISH AND DISTURBANCE DURING THE SPAWNING SEASON, NO INSTREAM WORK WILL BE ALLOWED FROM MAY 1ST THROUGH JULY 15TH.

GENERAL NOTES:

1. THE ILLINOIS DEPARTMENT OF TRANSPORTATION IS NOT THE OWNER OF RECORD FOR THIS BRIDGE. THOSE SEEKING HISTORICAL AS-BUILT OR OTHER RECORD PLANS SHOULD CONTACT THE OWNER OF RECORD. TO MAKE ARRANGEMENTS FOR ACCESS TO THIS INFORMATION PLEASE CONTACT:

   SAT NAGAR, SENIOR PROJECT MANAGER, P.E.
   CITY OF EVANSTON
   847-866-2967
2. ALL ELEVATIONS SHOWN REFER TO NAVD 88 DATUM UNLESS OTHERWISE NOTED.
3. ALL REFERENCES TO "ENGINEER" SHALL BE INTERPRETED TO MEAN THE RESIDENT ENGINEER.
4. THE CONTRACTOR SHALL CONTACT JULIE AT (800) 892-0123 FOR FIELD LOCATION OF UTILITIES.
5. THE STORAGE OF EQUIPMENT AND/OR MATERIALS SHALL BE RESTRICTED TO THE DESIGANTED STAGING AREAS UNLESS OTHERWISE APPROVED BY THE CITY PROJECT MANAGER AND ENGINEER.
6. THE APPROXIMATE LOCATIONS OF EXISTING UTILITIES ARE SHOWN ON THE DRAWINGS ACCORDING TO INFORMATION OBTAINED FROM UTILITY COMPANIES AND SURVEYS. THE CONTRACTOR SHALL BE RESPONSIBLE TO FIELD CHECK AND VERIFY ALL EXISTING UTILITY LOCATIONS, DIMENSIONS AND ELEVATIONS IN THE FIELD PRIOR TO THE COMMENCEMENT OF CONSTRUCTION. THE CONTRACTOR SHALL REPORT TO THE ENGINEER ANY OMISSIONS OR DISCREPANCIES FROM THE LOCATIONS SHOWN ON THE DRAWINGS.
7. THE CONTRACTOR SHALL NOTIFY THE CITY ENGINEER (847) 866-2967 AT LEAST 72 HOURS IN ADVANCE OF BEGINNING WORK AND SHALL COORDINATE ALL CONSTRUCTION OPERATIONS WITH THE ENGINEER. THE CONTRACTOR SHALL CONTACT THE CITY OF EVANSTON PUBLIC WORKS DEPARTMENT 48 HOURS PRIOR TO ANY WORK IN ORDER TO OBTAIN VILLAGE UTILITY LOCATIONS.
8. THE CONTRACTOR SHALL BE REQUIRED TO MAINTAIN THE EXISTING ROADWAY ACCORDING TO ARTICLE 107.15 OF THE IDOT STANDARD SPECIFICATIONS.

GENERAL NOTES CONT:

9. ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE STATE OF ILLINOIS "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" ADOPTED APRIL 1, 2016, THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS", ADOPTED JAN. 1, 2020, THE DETAILS IN THE PLANS AND SPECIAL PROVISIONS INCLUDED IN THE CONTRACT DOCUMENTS.
10. PRIOR TO COMMENCEMENT OF CONSTRUCTION, THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS AFFECTING THEIR WORK WITH THE ACTUAL CONDITIONS AT THE JOB SITE. IF THERE ARE ANY DISCREPANCIES FROM WHAT IS SHOWN ON THE CONSTRUCTION PLANS, STANDARD SPECIFICATIONS AND/OR SPECIAL PROVISIONS, THE CONTRACTOR SHALL SECURE WRITTEN INSTRUCTION FROM THE ENGINEER PRIOR TO PROCESSING ANY PART OF THE WORK AFFECTED BY OMISSION OR DISCREPANCIES. FAILING TO SECURE SUCH INSTRUCTION, THE CONTRACTOR WILL BE CONSIDERED TO HAVE PROCEEDED AT THEIR OWN RISK AND EXPENSE.
11. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO REMOVE FROM THE SITE ANY AND ALL MATERIALS AND DEBRIS WHICH RESULT FROM THEIR CONSTRUCTION OPERATIONS.
12. THE CONTRACTOR IS RESPONSIBLE FOR RESTORING ALL AREAS AFFECTED BY EQUIPMENT OR LABORERS TO EXISTING CONDITIONS. THE CONTRACTOR IS ALSO RESPONSIBLE FOR PROTECTING ALL NEW WORK UNTIL COMPLETION OF THIS CONTRACT.
13. EASEMENTS FOR THE EXISTING UTILITIES, BOTH PUBLIC AND PRIVATE, AND UTILITIES WITHIN PUBLIC RIGHT-OF-WAY ARE SHOWN ON THE PLANS ACCORDING TO AVAILABLE RECORDS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE EXACT LOCATION IN THE FIELD OF THESE UTILITY LINES AND THEIR PROTECTION FROM DAMAGE DUE TO CONSTRUCTION OPERATIONS. IF EXISTING UTILITY LINES OF ANY NATURE ARE ENCOUNTERED WHICH CONFLICT IN LOCATIONS WITH NEW CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE ENGINEER SO THAT THE CONFLICT MAY BE RESOLVED.
14. PILE DRIVING SHALL BE RESTRICTED TO 9 AM TO 4 PM.
15. THE CONTRACTOR SHALL CONTACT THE IDOT DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT KALPANA.KANNAN-HOSADRUGA@ILLINOIS.GOV A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
16. AGGREGATE SUBGRADE IMPROVEMENT (CU YD) HAS BEEN PROVIDED FOR USE AT THE LOCATIONS INDICATED FOR SOILS THAT TEND TOBE UNSTABLE AND/OR UNSUITABLE. THE ACTUAL NEED FOR REMOVAL AN REPLACEMENT WITH ASI WILL BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE GEOTECHNICAL ENGINEER. ALL POTENTIALLY UNSTABLE SOILS SHOULD BE TESTED IN ACCORDANCE WITH ARTICLE 301.04 OF THE SSRBC AND IDOT SUBGRADE STABILITY MANUAL. IF UNSTABLE AND/OR UNSUITABLE SOILS ARE NOT ENCOUNTERED, THEN THE QUANTITY SHALL BE DEDUCTED, AND NO ADDITIONAL COMPENSATION WILL BE DUE TO THE CONTRACTOR.

PAVING AND GRADING NOTES:

1. ALL PAVEMENT DIMENSIONS ARE TO THE EDGE OF PAVEMENT, UNLESS OTHERWISE INDICATED.
2. PAVING WORK SHALL INCLUDE FINAL SUB-GRADE SHAPING AND PREPARATION, FORMING, PLACEMENT OF BASE COURSE MATERIALS, AND SUBSEQUENT BINDER AND/OR SURFACE COURSES, FINISHING AND CURING OF CONCRETE, FINAL CLEAN-UP AND ALL RELATED WORK.
3. ALL DISTURBED NON-PAVEMENT AREAS SHALL BE ROUGH GRADED. THE CONTRACTOR IS RESPONSIBLE FOR ALL EROSION PREVENTION AND REPAIR.
4. ALL PORTLAND CEMENT CONCRETE SHALL BE CURED AND PROTECTED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS. TWO COATS OF WHITE CURING COMPOUND PER STANDARD SPECIFICATION ART. 1022.01 SHALL BE APPLIED TO ALL CONCRETE WORK AS SOON AS THE FINISH IS COMPLETE, WITHIN ONE (1) HOUR OF FINAL STRIKING.
5. UNLESS OTHERWISE NOTED, CONCRETE SIDEWALKS SHALL BE 5" THICK (8" THICK THROUGH DRIVEWAYS), SET ON 4" CRUSHED STONE COMPACTED SUBBASE AND SHALL BE 1/4" ABOVE THE ADJACENT CURB.

IDOT DISTRICT ONE DETAILS

DETAIL NO.	DESCRIPTION
BD-08	FRAME AND LID ADJUSTMENT WITH MILLING
BD-24	CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT
BD-32	BUTT JOINT AND HMA TAPER DETAILS
BD-36	FIRE HYDRANT TO BE MOVED
BE-801	TEMPORARY AERIAL CABLE INSTALLATION
TC-10	TRAFFIC CONTROL AND PROTECTION FOR SIDEROADS, INTERSECTIONS AND DRIVEWAYS
TC-13	DISTRICT ONE TYPICAL PAVEMENT MARKINGS
TC-16	SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS
TC-22	ARTERIAL ROAD INFORMATION SIGN
TC-26	DRIVEWAY ENTRANCE SIGNING
TS-03	HANDHOLE TO INTERCEPT EXISTING CONDUIT
TS-04	DISTRICT ONE FLASHING BEACON INSTALLATION DETAILS
TS-08	EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION - MAIN STREET AND CROSS STREET

IDOT HIGHWAY STANDARDS

STD NO.	DESCRIPTION
000001-07	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS (9 SHEETS)
001001-02	AREAS OF REINFORCEMENT BARS
001006	DECIMAL OF AN INCH AND OF A FOOT
280001-07	TEMPORARY EROSION CONTROL SYSTEMS (2 SHEETS)
420406	PAVEMENT CONNECTOR (HMA) FOR BRIDGE APPROACH SLAB
424001-11	PERPENDICULAR CURB RAMPS FOR SIDEWALKS (2 SHEETS)
424016-05	MID-BLOCK CURB RAMPS FOR SIDEWALK
424021-05	DEPRESSED CORNER FOR SIDEWALKS
515001-04	NAME PLATE FOR BRIDGES (2 SHEETS)
601001-05	PIPE UNDERDRAINS
602011-02	CATCH BASIN TYPE C
602506-02	PRECAST VALVE VAULT TYPE A 5' DIAMETER
604001-05	FRAME AND LIDS TYPE 1
604036-03	GRATE TYPE 8
606001-07	CONCRETE CURB TYPE B AND COMBINATION CURB AND GUTTER (2 SHEETS)
701006-05	OFF-ROAD OPERATIONS, 2L, 2W, 15' TO 24" FROM PAVEMENT EDGE
701101-05	OFF-ROAD OPERATIONS MULTI-LANE, 15' TO 24" FROM PAVEMENT EDGE
701106-02	OFF-ROAD OPERATIONS MULTI-LANE, MORE THAN 15' AWAY FROM PAVEMENT EDGE
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701427-05	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS < 40 MPH
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701502-09	URBAN LANE CLOSURE, 2L, 2W, WITH BIDIRECTIONAL LEFT TURN LANE
701606-10	URBAN SINGLE LANE CLOSURE, MULTI-LANE, 2W WITH MOUNTABLE MEDIAN
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE (2 SHEETS)
701901-08	TRAFFIC CONTROL DEVICES (3 SHEETS)
704001-08	TEMPORARY CONCRETE BARRIER
720001-01	SIGN PANEL MOUNTING DETAILS
720006-04	SIGN PANEL ERECTION DETAILS
720011-01	METAL POSTS FOR SIGNS, MARKERS & DELINEATORS
729001-01	APPLICATIONS OF TYPES A & B METAL POSTS (FOR SIGNS & MARKERS)
780001-05	TYPICAL PAVEMENT MARKINGS (3 SHEETS)
782006-01	GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS (3 SHEETS)
805001-01	ELECTRICAL SERVICE INSTALLATION DETAILS
812001-01	RACEWAY EMBEDDED IN STRUCTURE (3 SHEETS)
814001-03	HANDHOLES
825021-04	LIGHTING CONTROLLER BASE MOUNTED, 240V
838001-01	BREAKAWAY DEVICES (2 SHEETS)
880001-01	SPAN WIRE MOUNTED SIGNALS AND FLASHING BEACON INSTALLATION
886001-01	DETECTOR LOOP INSTALLATIONS
886006-01	TYPICAL LAYOUTS FOR DETECTION LOOPS

BUREAU OF ELECTRICAL DETAIL STANDARDS

STD NO.	DESCRIPTION
BE-300	LIGHT POLE FOUNDATION 30' TO 35' M.H. 11 1/2" BOLT CIRCLE
BE-329	LIGHT POLE MOUNTED ON CONCRETE PARAPET WALL 11 1/2" BOLT CIRCLE
BE-701	LUMINAIRE SAFETY CABLE ASSEMBLY
BE-702	MISC ELECTRICAL DETAILS SHEET A

COMED NOTES:

1. THE CONTRACTOR SHALL COORDINATE THE RELOCATION OF EXISTING COMED FACILITES.
2. THE CONTRACTOR SHALL FACILITATE THE TEMPORARY RELOCATION OF COMED FACILITIES TO THE NORTH SIDE OF THE BRIDGE PRIOR TO IMPLEMENTING STAGE 1 TRAFFIC CONTROL AND STAGE 1 STRUCTURE DEMOLITION.
3. THE CONTRACTOR SHALL FACILITATE THE FINAL RELOCATION OF COMED FACILITES TO THE SOUTH SIDE OF THE BRIDGE PRIOR TO THE STAGE 2 BRIDGE DEMOLITIONS.
4. THE COMED LIASON FOR THIS PROJECT IS TERRI BECK - 847-816-5239.
5. FOR ELECTRICAL UTILITY SERVICE CONNECTION (COMED), CONTACT ARTURO SALVADOR (NEW BUSINESS) AT 847-816-5492, SERVICE REQUEST NUMBER 04918925.

NICOR NOTES:

1. THE CONTRACTOR SHALL COORDINATE THE REMOVAL OF THE EXISITING ABANDONED NICOR GAS MAIN.
2. THE NICOR LIASON FOR THIS PROJECT IS BRUCE KOPPANG, 630-388-2362.

MODEL: Default
FILE NAME: Sheet Index, Project Notes, and Standards

Stanley Consultants INC.

USER NAME = 9695	DESIGNED - CEG	REVISED -	
	DRAWN - CEG	REVISED -	
PLOT SCALE = 2.0000 ' / in.	CHECKED - PAS	REVISED -	
PLOT DATE = 5/13/2020	DATE - 05-18-2020	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CENTRAL STREET BRIDGE
INDEX OF SHEETS, GENERAL NOTES, AND HIGHWAY STANDARDS

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1301	16-00278-00-BR	COOK	136	2
		CONTRACT NO. 61F92		
	ILLINOIS	FED. AID PROJECT		

MWRD NOTES

A. REFERENCED SPECIFICATIONS

1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE APPLICABLE SECTIONS OF THE FOLLOWING, EXCEPT AS MODIFIED HEREIN OR ON THE PLANS:
   * STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (LATEST EDITION), BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION (IDOT SS) FOR ALL IMPROVEMENTS EXCEPT SANITARY SEWER AND WATER MAIN CONSTRUCTION;
   * STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS, LATEST EDITION (SSWS) FOR SANITARY SEWER AND WATER MAIN CONSTRUCTION;
   * CITY OF EVANSTON MUNICIPAL CODE;
   * THE METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO (MWRD) WATERSHED MANAGEMENT ORDINANCE AND TECHNICAL GUIDANCE MANUAL;
   * IN CASE OF CONFLICT BETWEEN THE APPLICABLE ORDINANCES NOTED, THE MORE STRINGENT SHALL TAKE PRECEDENCE AND SHALL CONTROL ALL CONSTRUCTION.

B. NOTIFICATIONS

1. THE MWRD LOCAL SEWER SYSTEMS SECTION FIELD OFFICE MUST BE NOTIFIED AT LEAST TWO (2) WORKING DAYS PRIOR TO THE COMMENCEMENT OF ANY WORK (CALL 708-588-4055).
2. THE CITY OF EVANSTON ENGINEERING DEPARTMENT AND PUBLIC MUST BE NOTIFIED AT LEAST 24 HOURS PRIOR TO THE START OF CONSTRUCTION AND PRIOR TO EACH PHASE OF WORK. CONTRACTOR SHALL DETERMINE ITEMS REQUIRING INSPECTION PRIOR TO START OF CONSTRUCTION OR EACH WORK PHASE.
3. THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES PRIOR TO BEGINNING CONSTRUCTION FOR THE EXACT LOCATIONS OF UTILITIES AND FOR THEIR PROTECTION DURING CONSTRUCTION. IF EXISTING UTILITIES ARE ENCOUNTERED THAT CONFLICT IN LOCATION WITH NEW CONSTRUCTION, IMMEDIATELY NOTIFY THE ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED. CALL J.U.L.I.E. AT 1-800-892-0123.

C. GENERAL NOTES:

1. ALL ELEVATIONS SHOWN ON PLANS REFERENCE THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88). CONVERSION FACTOR IS -0.284 FT.
2. MWRD, THE MUNICIPALITY AND THE OWNER OR OWNER'S REPRESENTATIVE SHALL HAVE THE AUTHORITY TO INSPECT, APPROVE, AND REJECT THE CONSTRUCTION IMPROVEMENTS.
3. THE CONTRACTOR(S) SHALL INDEMNIFY THE OWNER, ENGINEER, MUNICIPALITY, MWRD, AND THEIR AGENTS, ETC., FROM ALL LIABILITY INVOLVED WITH THE CONSTRUCTION, INSTALLATION, OR TESTING OF THIS WORK ON THE PROJECT.
4. THE PROPOSED IMPROVEMENTS MUST BE CONSTRUCTED IN ACCORDANCE WITH THE ENGINEERING PLANS AS APPROVED BY MWRD AND THE MUNICIPALITY UNLESS CHANGES ARE APPROVED BY MWRD, THE MUNICIPALITY, OR AUTHORIZED AGENT. THE CONSTRUCTION DETAILS, AS PRESENTED ON THE PLANS, MUST BE FOLLOWED. PROPER CONSTRUCTION TECHNIQUES MUST BE FOLLOWED ON THE IMPROVEMENTS INDICATED ON THE PLANS.
5. THE LOCATION OF VARIOUS UNDERGROUND UTILITIES WHICH ARE SHOWN ON THE PLANS ARE FOR INFORMATION ONLY AND REPRESENT THE BEST KNOWLEDGE OF THE ENGINEER. VERIFY LOCATIONS AND ELEVATIONS PRIOR TO BEGINNING THE CONSTRUCTION OPERATIONS.
6. ANY EXISTING PAVEMENT, SIDEWALK, DRIVEWAY, ETC., DAMAGED DURING CONSTRUCTION OPERATIONS AND NOT CALLED FOR TO BE REMOVED SHALL BE REPLACED AT THE EXPENSE OF THE CONTRACTOR.
7. MATERIAL AND COMPACTION TESTING SHALL BE PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS OF THE MUNICIPALITY, MWRD, AND OWNER.
8. THE UNDERGROUND CONTRACTOR SHALL MAKE ALL NECESSARY ARRANGEMENTS TO NOTIFY ALL INSPECTION AGENCIES.
9. ALL NEW AND EXISTING UTILITY STRUCTURES ON SITE AND IN AREAS DISTURBED DURING CONSTRUCTION SHALL BE ADJUSTED TO FINISH GRADE PRIOR TO FINAL INSPECTION.
10. RECORD DRAWINGS SHALL BE KEPT BY THE CONTRACTOR AND SUBMITTED TO THE ENGINEER AS SOON AS UNDERGROUND IMPROVEMENTS ARE COMPLETED. FINAL PAYMENTS TO THE CONTRACTOR SHALL BE HELD UNTIL THEY ARE RECEIVED. ANY CHANGES IN LENGTH, LOCATION OR ALIGNMENT SHALL BE SHOWN IN RED. ALL WYES OR BENDS SHALL BE LOCATED FROM THE DOWNSTREAM MANHOLE. ALL VALVES, B-BOXES, TEES OR BENDS SHALL BE TIED TO A FIRE HYDRANT.

D. SANITARY SEWER

1. THE CONTRACTOR SHALL TAKE MEASURES TO PREVENT ANY POLLUTED WATER, SUCH AS GROUND AND SURFACE WATER, FROM ENTERING THE EXISTING SANITARY SEWERS.
2. A WATER-TIGHT PLUG SHALL BE INSTALLED IN THE DOWNSTREAM SEWER PIPE AT THE POINT OF SEWER CONNECTION PRIOR TO COMMENCING ANY SEWER CONSTRUCTION. THE PLUG SHALL REMAIN IN PLACE UNTIL REMOVAL IS AUTHORIZED BY THE MUNICIPALITY AND/OR MWRD AFTER THE SEWERS HAVE BEEN TESTED AND ACCEPTED.
3. DISCHARGING ANY UNPOLLUTED WATER INTO THE SANITARY SEWER SYSTEM FOR THE PURPOSE OF SEWER FLUSHING OF LINES FOR THE DEFLECTION TEST SHALL BE PROHIBITED WITHOUT PRIOR APPROVAL FROM THE MUNICIPALITY OR MWRD.
4. ALL SANITARY SEWER CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS (LATEST EDITION).
5. ALL FLOOR DRAINS SHALL DISCHARGE TO THE SANITARY SEWER SYSTEM.

SANITARY SEWER (CONT)

6. ALL DOWNSPOUTS AND FOOTING DRAINS SHALL DISCHARGE TO THE STORM SEWER SYSTEM.
7. ALL SANITARY SEWER PIPE MATERIALS AND JOINTS (AND STORM SEWER PIPE MATERIALS AND JOINTS IN A COMBINED SEWER AREA) SHALL CONFORM TO THE FOLLOWING:

PIPE MATERIAL	PIPE SPECIFICATIONS	JOINT SPECIFICATIONS
VITRIFIED CLAY PIPE	ASTM C-700	ASTM C-425
REINFORCED CONCRETE SEWER PIPE	ASTM C-76	ASTM C-443
CAST IRON SOIL PIPE	ASTM A-74	ASTM C-564
DUCTILE IRON PIPE	ANSI A21.51	ANSI A21.11
POLYVINYL CHLORIDE (PVC) PIPE		
6-INCH TO 15-INCH DIAMETER SDR 26	ASTM D-3034	ASTM D-3212
18-INCH TO 27-INCH DIAMETER F/DY=46	ASTM F-679	ASTM D-3212
HIGH DENSITY POLYETHYLENE (HDPE)	ASTIM D-3350 ASTM D-3035	ASTM D-3261,F-2620 (HEAT FUSION) ASTM D-3212,F-477 (GASKETED)
WATER MAIN QUALITY PVC		
4-INCH TO 36-INCH	ASTM D-2241	ASTM D-3139
4-INCH TO 12-INCH	AWWA C900	ASTM D-3139
14-INCH TO 48-INCH	AWWA C905	ASTM D-3139

THE FOLLOWING MATERIALS ARE ALLOWED ON A QUALIFIED BASIS SUBJECT TO DISTRICT REVIEW AND APPROVAL PRIOR TO PERMIT ISSUANCE. A SPECIAL CONDITION WILL BE ADDED TO THE PERMIT WHEN THE PIPE MATERIAL BELOW IS USED FOR SEWER CONSTRUCTION OR A CONNECTION IS MADE.

PIPE MATERIAL	PIPE SPECIFICATIONS	JOINT SPECIFICATIONS
POLYPROPYLENE (PP) PIPE		
12-INCH TO 24-INCH DOUBLE WALL	ASTM F-2736	D-3212, F-477
30 INCH TO 60 INCH TRIPLE WALL	ASTM F-2764	D-3212, F-477

8. ALL SANITARY SEWER CONSTRUCTION (AND STORM SEWER CONSTRUCTION IN COMBINED SEWER AREAS), REQUIRES STONE BEDDING WITH STONE ¼ " TO 1" IN SIZE, WITH MINIMUM BEDDING THICKNESS EQUAL TO ¼ THE OUTSIDE DIAMETER OF THE SEWER PIPE, BUT NOT LESS THAN FOUR (4) INCHES NOR MORE THAN EIGHT (8) INCHES. MATERIAL SHALL BE CA-7, CA-11 OR CA-13 AND SHALL BE EXTENDED AT LEAST 12" ABOVE THE TOP OF THE PIPE WHEN USING PVC.
9. NON-SHEAR FLEXIBLE-TYPE COUPLINGS SHALL BE USED IN THE CONNECTION OF SEWER PIPES OF DISSIMILAR PIPE MATERIALS.
10. ALL MANHOLES SHALL BE PROVIDED WITH BOLTED, WATERTIGHT COVERS. SANITARY LIDS SHALL BE CONSTRUCTED WITH A CONCEALED PICKHOLE AND WATERTIGHT GASKET WITH THE WORD "SANITARY" CAST INTO THE LID.
11. WHEN CONNECTING TO AN EXISTING SEWER MAIN BY MEANS OTHER THAN AN EXISTING WYE, TEE, OR AN EXISTING MANHOLE, ONE OF THE FOLLOWING METHODS SHALL BE USED:
    a) A CIRCULAR SAW-CUT OF SEWER MAIN BY PROPER TOOLS ("SHEWER-TAP" MACHINE OR SIMILAR) AND PROPER INSTALLATION OF HUBWYE SADDLE OR HUB-TEE SADDLE.
    b) REMOVE AN ENTIRE SECTION OF PIPE (BREAKING ONLY THE TOP OF ONE BELL) AND REPLACE WITH A WYE OR TEE BRANCH SECTION.
    c) WITH PIPE CUTTER, NEATLY AND ACCURATELY CUT OUT DESIRED LENGTH OF PIPE FOR INSERTION OF PROPER FITTING, USING "BAND SEAL" OR SIMILAR COUPLINGS TO HOLD IT FIRMLY IN PLACE.
12. WHENEVER A SANITARY/COMBINED SEWER CROSSES UNDER A WATERMAIN, THE MINIMUM VERTICAL DISTANCE FROM THE TOP OF THE SEWER TO THE BOTTOM OF THE WATERMAIN SHALL BE 18 INCHES. FURTHERMORE, A MINIMUM HORIZONTAL DISTANCE OF 10 FEET BETWEEN SANITARY/COMBINED SEWERS AND WATERMAINS SHALL BE MAINTAINED UNLESS: THE SEWER IS LAID IN A SEPARATE TRENCH, KEEPING A MINIMUM 18" VERTICAL SEPARATION; OR THE SEWER IS LAID IN THE SAME TRENCH WITH THE WATERMAIN LOCATED AT THE OPPOSITE SIDE ON A BENCH OF UNDISTURBED EARTH, KEEPING A MINIMUM 18" VERTICAL SEPARATION. IF EITHER THE VERTICAL OR HORIZONTAL DISTANCES DESCRIBED CANNOT BE MAINTAINED, OR THE SEWER CROSSES ABOVE THE WATER MAIN, THE SEWER SHALL BE CONSTRUCTED TO WATER MAIN STANDARDS OR IT SHALL BE ENCASED WITH A WATER MAIN QUALITY CARRIER PIPE WITH THE ENDS SEALED.
13. ALL EXISTING SEPTIC SYSTEMS SHALL BE ABANDONED. ABANDONED TANKS SHALL BE FILLED WITH GRANULAR MATERIAL OR REMOVED.
14. ALL SANITARY MANHOLES, (AND STORM MANHOLES IN COMBINED SEWER AREAS), SHALL HAVE A MINIMUM INSIDE DIAMETER OF 48 INCHES, AND SHALL BE CAST IN PLACE OR PRE-CAST REINFORCED CONCRETE.
15. ALL SANITARY MANHOLES, (AND STORM MANHOLES IN COMBINED SEWER AREAS), SHALL HAVE PRECAST "RUBBER BOOTS" THAT CONFORM TO ASTM C-923 FOR ALL PIPE CONNECTIONS. PRECAST SECTIONS SHALL CONSIST OF MODIFIED GROOVE TONGUE AND RUBBER GASKET TYPE JOINTS.
16. ALL ABANDONED SANITARY SEWERS SHALL BE PLUGGED AT BOTH ENDS WITH AT LEAST 2 FEET LONG NON-SHRINK CONCRETE OR MORTAR PLUG.
17. EXCEPT FOR FOUNDATION/FOOTING DRAINS PROVIDED TO PROTECT BUILDINGS, OR PERFORATED PIPES ASSOCIATED WITH VOLUME CONTROL FACILITIES, DRAIN TILES/FIELD TILES/ UNDERDRAINS/PERFORATED PIPES ARE NOT ALLOWED TO BE CONNECTED TO OR TRIBUTARY TO COMBINED SEWERS, SANITARY SEWERS, OR STORM SEWERS TRIBUTARY TO COMBINED SEWERS IN COMBINED SEWER AREAS. CONSTRUCTION OF NEW FACILITIES OF THIS TYPE IS PROHIBITED; AND ALL EXISTING DRAIN TILES AND PERFORATED PIPES ENCOUNTERED WITHIN THE PROJECT AREA SHALL BE PLUGGED OR REMOVED, AND SHALL NOT BE CONNECTED TO COMBINED SEWERS, SANITARY SEWERS, OR STORM SEWERS TRIBUTARY TO COMBINED SEWERS.

SANITARY SEWER (CONT)

18. A BACKFLOW PREVENTER IS REQUIRED FOR ALL DETENTION BASINS TRIBUTARY TO COMBINED SEWERS. REQUIRED BACKFLOW PREVENTERS SHALL BE INSPECTED AND EXERCISED ANNUALLY BY THE PROPERTY OWNER TO ENSURE PROPER OPERATION, AND ANY NECESSARY MAINTENANCES SHALL BE PERFORMED TO ENSURE FUNCTIONALITY. IN THE EVENT OF A SEWER SURCHARGE INTO AN OPEN DETENTION BASIN TRIBUTARY TO COMBINED SEWERS, THE PERMITTEE SHALL ENSURE THAT CLEAN UP AND WASH OUT OF SEWAGE TAKES PLACE WITHIN 48 HOURS OF THE STORM EVENT.

E. EROSION AND SEDIMENT CONTROL

1. THE CONTRACTOR SHALL INSTALL THE EROSION AND SEDIMENT CONTROL DEVICES AS SHOWN ON THE APPROVED EROSION AND SEDIMENT CONTROL PLAN.
2. EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE FUNCTIONAL PRIOR TO HYDROLOGIC DISTURBANCE OF THE SITE.
3. ALL DESIGN CRITERIA, SPECIFICATIONS, AND INSTALLATION OF EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE IN ACCORDANCE WITH THE ILLINOIS URBAN MANUAL.
4. A COPY OF THE APPROVED EROSION AND SEDIMENT CONTROL PLAN SHALL BE MAINTAINED ON THE SITE AT ALL TIMES.
5. INSPECTIONS AND DOCUMENTATION SHALL BE PERFORMED, AT A MINIMUM:
   a) UPON COMPLETION OF INITIAL EROSION AND SEDIMENT CONTROL MEASURES, PRIOR TO ANY SOIL DISTURBANCE.
   b) ONCE EVERY SEVEN (7) CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A STORM EVENT WITH GREATER THAN 0.5 INCH OF RAINFALL OR LIQUID EQUIVALENT PRECIPITATION.
6. SOIL DISTURBANCE SHALL BE CONDUCTED IN SUCH A MANNER AS TO MINIMIZE EROSION. IF STRIPPING, CLEARING, GRADING, OR LANDSCAPING ARE TO BE DONE IN PHASES, THE CO-PERMITTEE SHALL PLAN FOR APPROPRIATE SOIL EROSION AND SEDIMENT CONTROL MEASURES.
7. A STABILIZED MAT OF CRUSHED STONE MEETING THE STANDARDS OF THE ILLINOIS URBAN MANUAL SHALL BE INSTALLED AT ANY POINT WHERE TRAFFIC WILL BE ENTERING OR LEAVING A CONSTRUCTION SITE. SEDIMENT OR SOIL REACHING AN IMPROVED PUBLIC RIGHT-OF-WAY, STREET, ALLEY OR PARKING AREA SHALL BE REMOVED BY SCRAPING OR STREET CLEANING AS ACCUMULATIONS WARRANT AND TRANSPORTED TO A CONTROLLED SEDIMENT DISPOSAL AREA.
8. CONCRETE WASHOUT FACILITIES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE ILLINOIS URBAN MANUAL AND SHALL BE INSTALLED PRIOR TO ANY ON SITE CONSTRUCTION ACTIVITIES INVOLVING CONCRETE.
9. MORTAR WASHOUT FACILITIES SHALL BE CONSTRUCTED IN ADDITION TO CONCRETE WASHOUT FACILITIES FOR ANY BRICK AND MORTAR BUILDING ENVELOPE CONSTRUCTION ACTIVITIES.
10. TEMPORARY DIVERSIONS SHALL BE CONSTRUCTED AS NECESSARY TO DIRECT ALL RUNOFF FROM HYDROLOGICALLY DISTURBED AREAS TO AN APPROPRIATE SEDIMENT TRAP OR BASIN. VOLUME CONTROL FACILITIES SHALL NOT BE USED AS TEMPORARY SEDIMENT BASINS.
11. DISTURBED AREAS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED SHALL BE STABILIZED WITH TEMPORARY OR PERMANENT MEASURES WITHIN SEVEN (7) DAYS.
12. ALL FLOOD PROTECTION AREAS AND VOLUME CONTROL FACILITIES SHALL, AT A MINIMUM, BE PROTECTED WITH A DOUBLE-ROW OF SILT FENCE (OR EQUIVALENT).
13. VOLUME CONTROL FACILITIES SHALL NOT BE CONSTRUCTED UNTIL ALL OF THE CONTRIBUTING DRAINAGE AREA HAS BEEN STABILIZED.
14. SOIL STOCKPILES SHALL, AT A MINIMUM, BE PROTECTED WITH PERIMETER SEDIMENT CONTROLS. SOIL STOCKPILES SHALL NOT BE PLACED IN FLOOD PROTECTION AREAS OR THEIR BUFFERS.
15. EARTHEN EMBANKMENT SIDE SLOPES SHALL BE STABILIZED WITH APPROPRIATE EROSION CONTROL BLANKET.
16. STORM SEWERS THAT ARE OR WILL BE FUNCTIONING DURING CONSTRUCTION SHALL BE PROTECTED BY APPROPRIATE SEDIMENT CONTROL MEASURES.
17. THE CONTRACTOR SHALL EITHER REMOVE OR REPLACE ANY EXISTING DRAIN TILES AND INCORPORATE THEM INTO THE DRAINAGE PLAN FOR THE DEVELOPMENT. DRAIN TILES CANNOT BE TRIBUTARY TO A SANITARY OR COMBINED SEWER. DRAIN TILES ALLOWED IN COMBINED SEWER AREA FOR GREEN INFRASTRUCTURE PRACTICES.
18. IF DEWATERING SERVICES ARE USED, ADJOINING PROPERTIES AND DISCHARGE LOCATIONS SHALL BE PROTECTED FROM EROSION AND SEDIMENTATION. DEWATERING SYSTEMS SHOULD BE INSPECTED DAILY DURING OPERATIONAL PERIODS. THE SITE INSPECTOR MUST BE PRESENT AT THE COMMENCEMENT OF DEWATERING ACTIVITIES.
19. THE CONTRCTOR SHALL BE RESPONSIBLE FOR TRENCH DEWATERING AND EXCAVATION FOR THE INSTALLATION OF SANITARY SEWERS, STORM SEWERS, WATERMAINS AS WELL AS THEIR SERVICES AND OTHER APPURTENANCES. ANY TRENCH DEWATERING, WHICH CONTAINS SEDIMENT SHALL PASS THROUGH A SEDIMENT SETTLING POND OR EQUALLY EFFECTIVE SEDIMENT CONTROL DEVICE. ALTERNATIVES MAY INCLUDE DEWATERING INTO A SUMP PIT, FILTER BAG OR EXISTING VEGETATED UPSLOPE AREA. SEDIMENT LADEN WATERS SHALL NOT BE DISCHARGE TO WATERWAYS, FLOOD PROTECTION AREAS OR THE COMBINED SEWER SYSTEM.
20. ALL PERMANENT EROSION CONTROL PRACTICES SHALL BE INITIATED WITHIN SEVEN (7) DAYS FOLLOWING THE COMPLETION OF SOIL DISTURBING ACTIVITIES.
21. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE MAINTAINED AND REPAIRED AS NEEDED ON A YEAR-ROUND BASIS DURING CONSTRUCTION AND ANY PERIODS OF CONSTRUCTION SHUTDOWN UNTIL PERMANENT STABILIZATION IS ACHIEVED.
22. ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN THIRTY (30) DAYS AFTER PERMANENT SITE STABILIZATION.
23. THE EROSION AND SEDIMENT CONTROL MEASURES SHOWN ON THE PLANS ARE THE MINIMUM REQUIREMENTS. ADDITIONAL MEASURES MAY BE REQUIRED, AS DIRECTED BY THE ENGINEER, SITE INSPECTOR, OR MWRD.

F. ADDITIONAL NOTES

1. MWRD DEBRIS BOATS NAVIGATE THE NORTH SHORE CHANNEL AND PROVIDE MAINTENANCE UP TO WILMETTE PUMP STATION DURING DRY WEATHER CONDITIONS. THERE ARE NECESSARY MINIMUM CLEARANCE ELEVATIONS THAT SHALL BE MAINTAINED DURING CONSTRUCTION AND UPON COMPLETION ALONG THE NORTH SHORE CHANNEL.
   i. THE BRIDGE PIER SPAN MUST BE GREATER THAN 25-FEET.
   ii. THERE SHALL BE 15-FEET OF CLEARANCE FROM THE TOP OF THE WATERLINE TO THE BOTTOM OF THE BRIDGE OR ANY TEMPORARY CONSTRUCTION ITEMS SUCH AS FORMWORK.
   iii. NOTE THAT IF THERE ARE PROPOSED CONSTRUCTION ACTIVITIES (SUCH AS FORMWORK INSTALLATION) THAT MAY IMPACT THE NECESSARY CLEARANCE ELEVATIONS, THE CONTRACTOR MUST CONTACT THE LOCAL SEWERS FIELD OFFICE 2-WEEKS PRIOR TO CONSTRUCTION TO COORDINATE WITH THE MWRD WATERWAYS SECTION.
2. ALL DISTRICT FACILITIES MUST BE PROTECTED AND UNOBSTRUCTED, AND DISTRICT STAFF MUST HAVE CONTINUOUS 24-HOUR ACCESS.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING MWRD FACILITIES FROM ALL CONSTRUCTION OPERATIONS AND EQUIPMENT.
4. DURING CONSTRUCTION, EXTRA CAUTION BE TAKEN TO PROTECT THE SAFETY AND INTEGRITY OF MWRD FACILITIES.
5. NO ACCESS HATCHES AND MANHOLE COVERS ON MWRD STRUCTURES AND MANHOLES WITHIN THE PROJECT AREA SHALL BE BURIED OR COVERED, AND NO DEBRIS SHALL ENTER MWRD STRUCTURES, SEWERS, OR FACILITIES.

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FILE NAME: MWRD General Notes

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CENTRAL STREET BRIDGE
MWRD GENERAL NOTES

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1301	16-00278-00-BR	COOK	136	3
		CONTRACT NO. 61F92		
	ILLINOIS FED. AID PROJECT			

SUMMARY OF QUANTITIES

SPECIAL PROVISION	SPECIALTY ITEM	CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY	ROADWAY 80% FED 20% Evanston 0005	BRIDGE 80% FED 20% Evanston 0010	SAFETY 80% FED 20% Evanston 0021	LANDSCAPING 80% FED 20% Evanston 0031	TRAINEES 80% FED 20% Evanston 0042	SAFETY 100% Evanston 21
X	X	20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	450				450		
X	X	20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	250				250		
X		20101000	TEMPORARY FENCE	FOOT	540				540		
X	X	20101100	TREE TRUNK PROTECTION	EACH	18				18		
X	X	20101200	TREE ROOT PRUNING	EACH	18				18		
X	X	20101300	TREE PRUNING (1 TO 10 INCH DIAMETER)	EACH	7				7		
X	X	20101350	TREE PRUNING (OVER 10 INCH DIAMETER)	EACH	11				11		
		20200100	EARTH EXCAVATION	CU YD	160	160					
		20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	195	195					
		20400800	FURNISHED EXCAVATION	CU YD	288	288					
		20800150	TRENCH BACKFILL	CU YD	100	100					
		21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	3,627	3,627					
		21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	3,279				3,279		
		21301072	EXPLORATION TRENCH 72" DEPTH	FOOT	150	150					
	X	25000400	NITROGEN FERTILIZER NUTRIENT	POUND	30				30		
	X	25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	30				30		

MODEL: Default
FILE NAME: Summary of Quantities 1 of 16

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CENTRAL STREET BRIDGE
SUMMARY OF QUANTITIES

SCALE: NONE | SHEET 1 OF 16 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1301	16-00278-00-BR	COOK	136	4
		CONTRACT NO. 61F92		
	ILLINOIS FED. AID PROJECT			

SUMMARY OF QUANTITIES						ROADWAY	BRIDGE	SAFETY	LANDSCAPING	TRAINEES	SAFETY
SPECIAL PROVISION	SPECIALTY ITEM	CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY	80% FED 20% Evanston	80% FED 20% Evanston	80% FED 20% Evanston	80% FED 20% Evanston	80% FED 20% Evanston	100% Evanston
						0005	0010	0021	0031	0042	21
	X	25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	30				30		
	X	25100105	MULCH, METHOD 1	ACRE	0.25				0.25		
	X	25200110	SODDING, SALT TOLERANT	SQ YD	2,323				2,323		
	X	25200200	SUPPLEMENTAL WATERING	UNIT	405				405		
		28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	90	90					
		28000400	PERIMETER EROSION BARRIER	FOOT	1,113	1,113					
		28000510	INLET FILTERS	EACH	15	15					
		28100107	STONE RIPRAP, CLASS A4	SQ YD	1,111		1,111				
		28200200	FILTER FABRIC	SQ YD	1,069		1,069				
X		30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	277	277					
		31101200	SUBBASE GRANULAR MATERIAL, TYPE B 4"	SQ YD	590	26		564			
		31101400	SUBBASE GRANULAR MATERIAL, TYPE B 6"	SQ YD	3,360	3,360					
		31102100	SUBBASE GRANULAR MATERIAL, TYPE C 4"	SQ YD	3,360	3,360					
		35400520	PORTLAND CEMENT CONCRETE BASE COURSE WIDENING 12"	SQ YD	9	9					
		40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	1,030	1,030					
		40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	220	220					

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CENTRAL STREET BRIDGE
SUMMARY OF QUANTITIES

SCALE: NONE | SHEET 2 OF 16 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1301	16-00278-00-BR	COOK	136	5
		CONTRACT NO. 61F92		
	ILLINOIS	FED. AID PROJECT		

SUMMARY OF QUANTITIES

SPECIAL PROVISION	SPECIALTY ITEM	CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY	ROADWAY 80% FED 20% Evanston 0005	BRIDGE 80% FED 20% Evanston 0010	SAFETY 80% FED 20% Evanston 0021	LANDSCAPING 80% FED 20% Evanston 0031	TRAINEES 80% FED 20% Evanston 0042	SAFETY 100% Evanston 21
X		40601005	HOT-MIX ASPHALT REPLACEMENT OVER PATCHES	TON	12	12					
		40603200	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50	TON	100	100					
		40604062	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70	TON	175	175					
		42000080	PAVEMENT CONNECTOR (PCC) FOR BRIDGE APPROACH SLAB	SQ YD	267	267					
		42001300	PROTECTIVE COAT	SQ YD	1,107	1,107					
		42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	SQ YD	26	26					
		42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	5,070			5,070			
		42400800	DETECTABLE WARNINGS	SQ FT	94			94			
		44000100	PAVEMENT REMOVAL	SQ YD	185	185					
		44000158	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"	SQ YD	1,525	1,525					
		44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	23	23					
		44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	695	695					
		44000600	SIDEWALK REMOVAL	SQ FT	2,955			2,955			
X		44002216	HOT-MIX ASPHALT REMOVAL OVER PATCHES, 4"	SQ YD	50	50					
		44201383	CLASS C PATCHES, TYPE IV, 12 INCH	SQ YD	50	50					
		50100300	REMOVAL OF EXISTING STRUCTURES NO. 1	EACH	1		1				

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FILE NAME: Summary of Quantities 3 of 16

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CENTRAL STREET BRIDGE
SUMMARY OF QUANTITIES

SCALE: NONE | SHEET 3 OF 16 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1301	16-00278-00-BR	COOK	136	6
		CONTRACT NO. 61F92		
	ILLINOIS FED. AID PROJECT			

SUMMARY OF QUANTITIES

SPECIAL PROVISION	SPECIALTY ITEM	CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY	ROADWAY 80% FED 20% Evanston 0005	BRIDGE 80% FED 20% Evanston 0010	SAFETY 80% FED 20% Evanston 0021	LANDSCAPING 80% FED 20% Evanston 0031	TRAINEES 80% FED 20% Evanston 0042	SAFETY 100% Evanston 21
		50200100	STRUCTURE EXCAVATION	CU YD	1,190		1,190				
		50300225	CONCRETE STRUCTURES	CU YD	146		146				
		50300255	CONCRETE SUPERSTRUCTURE	CU YD	535		535				
		50300260	BRIDGE DECK GROOVING	SQ YD	1,326		1,326				
		50300300	PROTECTIVE COAT	SQ YD	1,966		1,966				
		50301350	CONCRETE SUPERSTRUCTURE (APPROACH SLAB)	CU YD	272		272				
		50500105	FURNISHING AND ERECTING STRUCTURAL STEEL	L SUM	1		1				
		50500505	STUD SHEAR CONNECTORS	EACH	2,580		2,580				
		50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	217,620		217,620				
		50800515	BAR SPLICERS	EACH	1,167		1,167				
		51201900	FURNISHING STEEL PILES HP14X89	FOOT	2,624		2,624				
		51202305	DRIVING PILES	FOOT	2,624		2,624				
		51203900	TEST PILE STEEL HP14X89	EACH	2		2				
		51204650	PILE SHOES	EACH	34		34				
		51500100	NAME PLATES	EACH	1		1				
		52200010	TEMPORARY SHEET PILING	SQ FT	1,272		1,272				

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STATE OF ILLINOIS
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CENTRAL STREET BRIDGE
SUMMARY OF QUANTITIES

SCALE: NONE | SHEET 4 OF 16 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1301	16-00278-00-BR	COOK	136	7
		CONTRACT NO. 61F92		
		ILLINOIS	FED. AID PROJECT	

SUMMARY OF QUANTITIES

SPECIAL PROVISION	SPECIALTY ITEM	CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY	ROADWAY 80% FED 20% Evanston 0005	BRIDGE 80% FED 20% Evanston 0010	SAFETY 80% FED 20% Evanston 0021	LANDSCAPING 80% FED 20% Evanston 0031	TRAINEES 80% FED 20% Evanston 0042	SAFETY 100% Evanston 21
		52200015	PERMANENT SHEET PILING	SQ FT	1,125		1,125				
		55100400	STORM SEWER REMOVAL 10"	FOOT	27	27					
		55100700	STORM SEWER REMOVAL 15"	FOOT	16	16					
X	X	56103100	DUCTILE IRON WATER MAIN 8"	FOOT	199	199					
	X	56105000	WATER VALVES 8"	EACH	4	4					
	X	56201160	WATER SERVICE LINE 6"	FOOT	90	90					
	X	56201800	CORPORATION STOPS 2"	EACH	2	2					
	X	56400500	FIRE HYDRANTS TO BE REMOVED	EACH	1	1					
	X	56400820	FIRE HYDRANT WITH AUXILIARY VALVE AND VALVE BOX	EACH	1	1					
		58600101	GRANULAR BACKFILL FOR STRUCTURES	CU YD	424		424				
		59100100	GEOCOMPOSITE WALL DRAIN	SQ YD	184		184				
		60100060	CONCRETE HEADWALLS FOR PIPE DRAINS	EACH	5		4		1		
		60108501	PIPE UNDERDRAINS, TYPE 3	FOOT	909				909		
		60248900	VALVE VAULTS, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	2	2					
		60250400	CATCH BASINS TO BE ADJUSTED WITH NEW TYPE 1 FRAME, OPEN LID	EACH	2	2					
X		60251725	CATCH BASINS TO BE ADJUSTED WITH NEW TYPE 22 FRAME AND GRATE	EACH	4	4					

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FILE NAME: Summary of Quantities 5 of 16

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CENTRAL STREET BRIDGE
SUMMARY OF QUANTITIES

SCALE: NONE | SHEET 5 OF 16 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1301	16-00278-00-BR	COOK	136	8
		CONTRACT NO. 61F92		
	ILLINOIS FED. AID PROJECT			

SUMMARY OF QUANTITIES						ROADWAY	BRIDGE	SAFETY	LANDSCAPING	TRAINEES	SAFETY
SPECIAL PROVISION	SPECIALTY ITEM	CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY	80% FED 20% Evanston	80% FED 20% Evanston	80% FED 20% Evanston	80% FED 20% Evanston	80% FED 20% Evanston	100% Evanston
						0005	0010	0021	0031	0042	21
		60255500	MANHOLES TO BE ADJUSTED	EACH	3	3					
		60265700	VALVE VAULTS TO BE ADJUSTED	EACH	2	2					
		60500040	REMOVING MANHOLES	EACH	1	1					
		60602500	CONCRETE GUTTER, TYPE A	FOOT	69	69					
		60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	650	650					
	X	63000019	NON-BLOCKED STEEL PLATE BEAM GUARDRAIL	FOOT	63			63			
		63200310	GUARDRAIL REMOVAL	FOOT	66			66			
	X	64000110	SIGHT SCREEN (CHAIN LINK FENCE) 6'	FOOT	1,226	1,226					
	X	66400105	CHAIN LINK FENCE, 4'	FOOT	142	142					
	X	66400305	CHAIN LINK FENCE, 6'	FOOT	70				70		
	X	66407500	CHAIN LINK GATES, 6' X 10' DOUBLE	EACH	1				1		
	X	66408200	CHAIN LINK GATES, 6' X 24' DOUBLE	EACH	2	2					
X	X	66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	350	350					
X	X	66900530	SOIL DISPOSAL ANALYSIS	EACH	1	1					
X	X	66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	LSUM	1	1					
X	X	66901006	REGULATED SUBSTANCES MONITORING	CAL DA	10	10					

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FILE NAME: Summary of Quantities 6 of 16

Stanley Consultants INC.

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PLOT SCALE = 2.0000 ' / in.	CHECKED - PAS	REVISED -
PLOT DATE = 5/13/2020	DATE - 05-18-2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CENTRAL STREET BRIDGE
SUMMARY OF QUANTITIES

SCALE: NONE | SHEET 6 OF 16 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1301	16-00278-00-BR	COOK	136	9
		CONTRACT NO. 61F92		
	ILLINOIS FED. AID PROJECT			

SUMMARY OF QUANTITIES						ROADWAY	BRIDGE	SAFETY	LANDSCAPING	TRAINEES	SAFETY
SPECIAL PROVISION	SPECIALTY ITEM	CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY	80% FED 20% Evanston	80% FED 20% Evanston	80% FED 20% Evanston	80% FED 20% Evanston	80% FED 20% Evanston	100% Evanston
						0005	0010	0021	0031	0042	21
X	X	66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	LSUM	1	1					
		67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	30	30					
		67100100	MOBILIZATION	L SUM	1	1					
		70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	700	700					
		70107025	CHANGEABLE MESSAGE SIGN	CAL DA	1,440	1,440					
X		70300900	PAVEMENT MARKING TAPE, TYPE IV - LETTERS AND SYMBOLS	SQ FT	100	100					
X		70300904	PAVEMENT MARKING TAPE, TYPE IV 4"	FOOT	10,330	10,330					
X		70300906	PAVEMENT MARKING TAPE, TYPE IV 6"	FOOT	440	440					
X		70300912	PAVEMENT MARKING TAPE, TYPE IV 12"	FOOT	460	460					
X		70300924	PAVEMENT MARKING TAPE, TYPE IV 24"	FOOT	60	60					
		70400100	TEMPORARY CONCRETE BARRIER	FOOT	570	570					
		70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	340	340					
		70600255	IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 2	EACH	5	5					
	X	72400310	REMOVE SIGN PANEL -TYPE 1	SQFT	91	91					
	X	72000100	SIGN PANEL - TYPE 1	SQ FT	91	91					
	X	72900160	METAL POST - TYPE A	FOOT	75	75					

MODEL: Default
FILE NAME: Summary of Quantities 7 of 16

Stanley Consultants INC.

USER NAME = 9695	DESIGNED - CEG	REVISED -	
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CENTRAL STREET BRIDGE
SUMMARY OF QUANTITIES

SCALE: NONE | SHEET 7 OF 16 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1301	16-00278-00-BR	COOK	136	10
		CONTRACT NO. 61F92		
	ILLINOIS	FED. AID PROJECT		

SUMMARY OF QUANTITIES

SPECIAL PROVISION	SPECIALTY ITEM	CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY	ROADWAY 80% FED 20% Evanston 0005	BRIDGE 80% FED 20% Evanston 0010	SAFETY 80% FED 20% Evanston 0021	LANDSCAPING 80% FED 20% Evanston 0031	TRAINEES 80% FED 20% Evanston 0042	SAFETY 100% Evanston 21
	X	73700100	REMOVE GROUND MOUNTED SIGN SUPPORT	EACH	8	8					
	X	78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	1,080	1,080					
	X	78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	1,695	1,695					
	X	78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	320	320					
	X	78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	56	56					
	X	78001100	PAINT PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	61	61					
	X	78005110	EPOXY PAVEMENT MARKING - LINE 4"	FOOT	460	460					
	X	78005130	EPOXY PAVEMENT MARKING - LINE 6"	FOOT	920	920					
	X	78005150	EPOXY PAVEMENT MARKING - LINE 12"	FOOT	113	113					
	X	78009000	MODIFIED URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	100	100					
	X	78009004	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	FOOT	8,930	8930					
	X	78009006	MODIFIED URETHANE PAVEMENT MARKING - LINE 6"	FOOT	440	440					
	X	78009012	MODIFIED URETHANE PAVEMENT MARKING - LINE 12"	FOOT	460	460					
	X	78009024	MODIFIED URETHANE PAVEMENT MARKING - LINE 24"	FOOT	60	60					
	X	78200005	GUARDRAIL REFLECTORS, TYPE A	EACH	10			10			
	X	78200011	BARRIER WALL REFLECTORS, TYPE C	EACH	24			24			

MODEL: Default
FILE NAME: Summary of Quantities 8 of 16

Stanley Consultants INC.

USER NAME = 9695	DESIGNED - CEG	REVISED -	
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CENTRAL STREET BRIDGE
SUMMARY OF QUANTITIES

SCALE: NONE | SHEET 8 OF 16 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1301	16-00278-00-BR	COOK	136	11
		CONTRACT NO. 61F92		
	ILLINOIS	FED. AID PROJECT		

SUMMARY OF QUANTITIES						ROADWAY	BRIDGE	SAFETY	LANDSCAPING	TRAINEES	SAFETY
SPECIAL PROVISION	SPECIALTY ITEM	CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY	80% FED 20% Evanston	80% FED 20% Evanston	80% FED 20% Evanston	80% FED 20% Evanston	80% FED 20% Evanston	100% Evanston
						0005	0010	0021	0031	0042	21
	X	80300100	LOCATING UNDERGROUND CABLE	FOOT	200			200			
X	X	80400200	ELECTRIC UTILITY SERVICE CONNECTION	L SUM	1			1			
	X	81022100	CONDUIT ENCASED IN CONCRETE, 2" DIA., PVC	FOOT	921			921			
	X	81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	375			375			
	X	81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	448			448			
	X	81028720	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 1" DIA.	FOOT	10			10			
	X	81400100	HANDHOLE	EACH	6			6			
	X	81702417	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 3-1/C NO. 6, 1/C NO. 6 GROUND	FOOT	1,686			1,686			
	X	81800240	AERIAL CABLE, 2-1/C NO. 8 WITH MESSENGER WIRE	FOOT	103			103			
	X	83600200	LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	36			36			
	X	84200600	REMOVAL OF LIGHTING UNIT, NO SALVAGE	EACH	8			8			
	X	84200804	REMOVAL OF POLE FOUNDATION	EACH	6			6			
	X	84500110	REMOVAL OF LIGHTING CONTROLLER	EACH	1			1			
X	X	85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1			1			
X	X	85000500	MAINTENANCE OF EXISTING FLASHING BEACON INSTALLATION	EACH	1			1			
X	X	87800100	CONCRETE FOUNDATION, TYPE A	FOOT	6			6			

MODEL: Default
FILE NAME: Summary of Quantities 9 of 16

Stanley Consultants INC.

USER NAME = 9695	DESIGNED - CEG	REVISED -
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CENTRAL STREET BRIDGE
SUMMARY OF QUANTITIES

SCALE: NONE | SHEET 9 OF 16 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1301	16-00278-00-BR	COOK	136	12
		CONTRACT NO. 61F92		
	ILLINOIS	FED. AID PROJECT		

SUMMARY OF QUANTITIES						ROADWAY	BRIDGE	SAFETY	LANDSCAPING	TRAINEES	SAFETY
SPECIAL PROVISION	SPECIALTY ITEM	CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY	80% FED 20% Evanston	80% FED 20% Evanston	80% FED 20% Evanston	80% FED 20% Evanston	80% FED 20% Evanston	100% Evanston
						0005	0010	0021	0031	0042	21
	X	87900200	DRILL EXISTING HANDHOLE	EACH	3			3			
X	X	88600600	DETECTOR LOOP REPLACEMENT	FOOT	30			30			
X	X	89000100	TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1			1			
X	X	89501400	RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, DETECTOR UNIT	EACH	1			1			
X	X	89501510	RELOCATE EXISTING FLASHING BEACON	EACH	1			1			
	X	89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	1,148			1,148			
	X	89502350	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	172			172			
X	X	89502376	REBUILD EXISTING HANDHOLE	EACH	2			2			
	X	89502380	REMOVE EXISTING HANDHOLE	EACH	1			1			
	X	89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	2			2			
X		Z0013797	STABILIZED CONSTRUCTION ENTRANCE	SQ YD	222	222					
X		Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1					
X		Z0018100	DRAINAGE STRUCTURE ADJUSTMENT (SPECIAL)	EACH	1	1					
X		Z0019600	DUST CONTROL WATERING	UNIT	20	20					
X		Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	100	100					
X	X	Z0033020	LUMINAIRE SAFETY CABLE ASSEMBLY	EACH	9			9			

MODEL: Default
FILE NAME: Summary of Quantities 10 of 16

Stanley Consultants INC.

USER NAME = 9695	DESIGNED - CEG	REVISED -
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CENTRAL STREET BRIDGE
SUMMARY OF QUANTITIES

SCALE: NONE | SHEET 10 OF 16 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1301	16-00278-00-BR	COOK	136	13
		CONTRACT NO. 61F92		
	ILLINOIS	FED. AID PROJECT		

SUMMARY OF QUANTITIES						ROADWAY	BRIDGE	SAFETY	LANDSCAPING	TRAINEES	SAFETY
SPECIAL PROVISION	SPECIALTY ITEM	CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY	80% FED 20% Evanston	80% FED 20% Evanston	80% FED 20% Evanston	80% FED 20% Evanston	80% FED 20% Evanston	100% Evanston
						0005	0010	0021	0031	0042	21
X	X	Z0033028	MAINTENANCE OF LIGHTING SYSTEM	CAL MO	24			24			
X		Z0046304	PIPE UNDERDRAINS FOR STRUCTURES 4"	FOOT	166		166				
X		Z0056646	STORM SEWERS, TYPE 1, WATER MAIN QUALITY PIPE, 10"	FOOT	27	27					
X		Z0056650	STORM SEWERS, TYPE 1, WATER MAIN QUALITY PIPE, 15"	FOOT	42	42					
X	X	Z0057200	SANITARY SEWER 15"	FOOT	20	20					
X		Z0062458	TEMPORARY PAVEMENT (VARIABLE DEPTH)	TON	160	160					
X		Z0073500	TEMPORARY SUPPORT SYSTEM	L SUM	1			1			
X	X	Z0073510	TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1	1					
X		Z0076600	TRAINEES	HOUR	2,000					2,000	
X		Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOUR	2,000					2,000	
	X	A2001016	TREE, ACER RUBRUM (RED MAPLE), 2" CALIPER, BALLED AND BURLAPPED	EACH	5				5		
	X	A2001716	TREE, ACER SACCHARUM (SUGAR MAPLE), 2" CALIPER, BALLED AND BURLAPPED	EACH	5				5		
	X	A2002218	TREE, ALNUS GLUTINOSA (BLACK ALDER), 2" CALIPER, BALLED AND BURLAPPED	EACH	5				5		
	X	A2002316	TREE, BETULA NIGRA (RIVER BIRCH), 2" CALIPER, BALLED AND BURLAPPED	EACH	5				5		
	X	A2002516	TREE, CARPINUS CAROLINIANA (AMERICAN HORNBEAM), 2" CALIPER, BALLED AND BURLAPPED	EACH	5				5		
	X	A2002820	TREE, CATALPA SPECIOSA (NORTHERN CATALPA), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	5				5		

MODEL: Default
FILE NAME: Summary of Quantities 11 of 16

Stanley Consultants INC.

USER NAME = 9695	DESIGNED - CEG	REVISED -
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CENTRAL STREET BRIDGE
SUMMARY OF QUANTITIES

SCALE: NONE | SHEET 11 OF 16 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1301	16-00278-00-BR	COOK	136	14
		CONTRACT NO. 61F92		
	ILLINOIS FED. AID PROJECT			

SUMMARY OF QUANTITIES						ROADWAY	BRIDGE	SAFETY	LANDSCAPING	TRAINEES	SAFETY
SPECIAL PROVISION	SPECIALTY ITEM	CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY	80% FED 20% Evanston	80% FED 20% Evanston	80% FED 20% Evanston	80% FED 20% Evanston	80% FED 20% Evanston	100% Evanston
						0005	0010	0021	0031	0042	21
	X	A2002860	TREE, CELTIS LAEVIGATA (SUGAR HACKBERRY), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	5				5		
	X	A2005120	TREE, JUGLANS NIGRA (BLACK WALNUT), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	5				5		
	X	A2005520	TREE, NYSSA SYLVATICA (BLACK TUPELO), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	5				5		
	X	A2006516	TREE, QUERCUS BICOLOR (SWAMP WHITE OAK), 2" CALIPER, BALLED AND BURLAPPED	EACH	5				5		
	X	A2006606	TREE, QUERCUS COCCINEA (SCARLET OAK), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	5				5		
	X	A2006916	TREE, QUERCUS PALUSTRIS (PIN OAK), 2" CALIPER, BALLED AND BURLAPPED	EACH	5				5		
	X	A2007116	TREE, QUERCUS RUBRA (RED OAK), 2" CALIPER, BALLED AND BURLAPPED	EACH	5				5		
	X	A2008120	TREE, TILIA CORDATA GREENSPIRE (GREENSPIRE LITTLE LEAF LINDEN), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	5				5		
	X	A2008517	TREE, ULMUS JAPONICA X WILSONIANA MORTON (ACCOLADE ELM), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	5				5		
	X	A2012003	TREE, AESCULUS X CARNEA FORT MCNAIR (FORT MCNAIR RED HORSECHESTNUT), 3" CALIPER, BALLED AND BURLAPPED, MATCHING HEADS	EACH	5				5		
	X	A2C007G3	TREE, AMELANCHIER CANADENSIS (SHADBLOW SERVICEBERRY), CONTAINER GROWN, 3-GALLON	EACH	5				5		
	X	A2C025G3	TREE, CERCIS CANADENSIS (REDBUD), CONTAINER GROWN, 3-GALLON	EACH	5				5		
	X	A2C032G3	TREE, CORYLUS AMERICANA (AMERICAN HAZELNUT), CONTAINER GROWN, 3-GALLON (ROOT PRODUCTION METHOD)	EACH	5				5		
	X	A2C056G5	TREE, QUERCUS MACROCARPA (BURR OAK), CONTAINER GROWN, 5-GALLON	EACH	5				5		
	X	B2001620	TREE, CRATAEGUS CRUSGALLI INERMIS (THORN LESS COCKSPUR HAWTHORN), 2-1/2" CALIPER TREE FORM, BALLED AND BURLAPPED	EACH	5				5		
	X	B2003850	TREE, MALUS IOENSIS (IOWA CRABAPPLE), 5' HEIGHT, CLUMP FORM, BALLED AND BURLAPPED	EACH	5				5		

MODEL: Default
FILE NAME: Summary of Quantities 12 of 16

Stanley Consultants INC.

USER NAME = 9695	DESIGNED - CEG	REVISED -	
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CENTRAL STREET BRIDGE
SUMMARY OF QUANTITIES

SCALE: NONE | SHEET 12 OF 16 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1301	16-00278-00-BR	COOK	136	15
		CONTRACT NO. 61F92		
	ILLINOIS FED. AID PROJECT			

SUMMARY OF QUANTITIES						ROADWAY	BRIDGE	SAFETY	LANDSCAPING	TRAINEES	SAFETY
SPECIAL PROVISION	SPECIALTY ITEM	CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY	80% FED 20% Evanston	80% FED 20% Evanston	80% FED 20% Evanston	80% FED 20% Evanston	80% FED 20% Evanston	100% Evanston
						0005	0010	0021	0031	0042	21
	X	B2004816	TREE, MALUS SARGENTII (SARGENT CRABAPPLE), 2" CALIPER, TREE FORM, BALLED AND BURLAPPED	EACH	5				5		
	X	B2005389	2REE, METASEQUOIA GLYPTOSTROBOIDES (DAWN REDWOOD), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	5				5		
	X	C2000124	SHRUB, AESCULUS PARVIFLORA (BOTTLEBRUSH BUCKEYE), 2' HEIGHT, BALLED AND BURLAPPED	EACH	5				5		
	X	C2000424	SHRUB, ARONIA ARBUTIFOLIA BRILLIANT ISSIMA (BRILLANT RED CHOKEBERRY), 2' HEIGHT, BALLED AND BURLAPPED	EACH	5				5		
	X	C2002324	SHRUB, DIERVILLA LONICERA (BUSH HONEY SUCKLE), 2' HEIGHT, BALLED AND BURLAPPED	EACH	5				5		
	X	C2003353	SHRUB, HEPTACODIUM MICRONOIDES (SEVEN SON FLOWER), 8' HEIGHT, BALLED AND BURLAPPED	EACH	5				5		
	X	C2004524	SHRUB, MYRICA PENSYLVANICA (BAYBERRY), 2' HEIGHT, BALLED AND BURLAPPED	EACH	14				14		
	X	C2005730	SHRUB, RHUS AROMATICA (FRAGRANT SUMAC), 2-1/2' WIDTH, BALLED AND BURLAPPED	EACH	24				24		
	X	C2005928	SHRUB, RHUS COPALLINA VAR LATIFOLIA MORTON (PRAIRIE FLAME SHINING SUMAC), 2' HEIGHT, BALLED AND BURLAPPED	EACH	5				5		
	X	C2008924	SHRUB, ROSA SETIGERA (PRAIRIE ROSE), 24" HEIGHT, BALLED AND BURLAPPED	EACH	5				5		
	X	C2009410	SHRUB, SALIX DISCOLOR (PUSSY WILLOW), 3' HEIGHT, BALLED AND BURLAPPED	EACH	5				5		
	X	C2009640	SHRUB,SAMBUCUS CANADENSIS (COMMON ELDERBERRY),3' HEIGHT BALLED AND BURLAPPED	EACH	5				5		
	X	C2C03432	SHRUB, HYDRANGEA QUERCIFOLIA (OAKLEAF HYDRANGEA), 2' HEIGHT, CONTAINER	EACH	5				5		
	X	C2C043G3	SHRUB, LINDERA BENZOIN (SPICEBUSH), CONTAINER GROWN, 3-GALLON	EACH	5				5		
	X	C2C06212	SHRUB, RIBES AMERICANUM (WILD BLACK CURRANT), 12" WIDTH, CONTAINER	EACH	5				5		
	X	D2001524	EVERGREEN, JUNIPERUS VIRGINIANA (EASTERN RED CEDAR), 2' HEIGHT, BALLED AND BURLAPPED	EACH	5				5		

MODEL: Default
FILE NAME: Summary of Quantities 13 of 16

Stanley Consultants INC.

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CENTRAL STREET BRIDGE
SUMMARY OF QUANTITIES

SCALE: NONE | SHEET 13 OF 16 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1301	16-00278-00-BR	COOK	136	16
		CONTRACT NO. 61F92		
	ILLINOIS	FED. AID PROJECT		

SUMMARY OF QUANTITIES						ROADWAY	BRIDGE	SAFETY	LANDSCAPING	TRAINEES	SAFETY
SPECIAL PROVISION	SPECIALTY ITEM	CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY	80% FED 20% Evanston	80% FED 20% Evanston	80% FED 20% Evanston	80% FED 20% Evanston	80% FED 20% Evanston	100% Evanston
						0005	0010	0021	0031	0042	21
	X	F30230Y2	SEEDLING-CORNUS MAS (CORNELIANCHERRY DOGWOOD), 2-YEAR OLD, BARE ROOT	UNIT	5				5		
	X	G20020Y2	SEEDLING-CORNUS ALTERNIFOLIA (PAGODA DOGWOOD), 2-YEAR OLD, BARE ROOT	UNIT	3				3		
	X	K0013000	PERENNIAL PLANTS, PRAIRIE TYPE, 2" DIAMETER BY 4" DEEP PLUG	UNIT	100				100		
X	X	K1001988	IRRIGATION SYSTEM SPECIAL	L SUM	1				1		
X	X	K1005421	SEEDING, SPECIAL	ACRES	0.25				0.25		
X	X	K1005481	SHREDDED BARK MULCH 3"	SQ YD	528				528		
X	X	XX009157	WATER MAIN 8" (SPECIAL)	FOOT	170	170					
X		XX009318	LIMESTONE SCREENING SURFACE	TON	100				100		
X		X0301280	PLUG EXISTING DRAINS	EACH	1	1					
X		X0320582	BARRICADES, TYPE I	EACH	100	100					
X		X0322463	CONNECTION TO EXISTING SEWER	EACH	2	2					
X		X0322917	PROPOSED STORM SEWER CONNECTION TO EXISTING MANHOLE	EACH	2	2					
X		X0323256	REMOVE AND RELOCATE FLAGPOLE	EACH	1	1					
X		X0323677	STREET SWEEPING	HOUR	500	500					
X	X	X0324062	ENTRANCE SIGN	L SUM	1				1		
	X	X0324085	EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C.	FOOT	380			380			
X		X0325670	CONCRETE BRIDGE RAIL, SIDEWALK MOUNTED	FOOT	427		427				

MODEL: Default
FILE NAME: Summary of Quantities 14 of 16

Stanley Consultants INC.

USER NAME = 9695	DESIGNED - CEG	REVISED -
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CENTRAL STREET BRIDGE
SUMMARY OF QUANTITIES

SCALE: NONE | SHEET 14 OF 16 SHEETS | STA. | TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1301	16-00278-00-BR	COOK	136	17
		CONTRACT NO. 61F92		
	ILLINOIS	FED. AID PROJECT		

SUMMARY OF QUANTITIES

SPECIAL PROVISION	SPECIALTY ITEM	CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY	ROADWAY 80% FED 20% Evanston 0005	BRIDGE 80% FED 20% Evanston 0010	SAFETY 80% FED 20% Evanston 0021	LANDSCAPING 80% FED 20% Evanston 0031	TRAINEES 80% FED 20% Evanston 0042	SAFETY 100% Evanston 21
X		X0327008	REMOVE AND RELOCATE SIGN (SPECIAL)	EACH	5	5					
X		X0327357	CONSTRUCTION VIBRATION MONITORING	L SUM	1	1					
X	X	X0324930	DUCTILE IRON SLEEVE, 12"	EACH	8	8					
X	X	X0326681	REMOVE AND RE-ERECT BOULDERS	L SUM	1				1		
	X	X0327979	PAVEMENT MARKING REMOVAL - GRINDING	SQ FT	2,359	2,359					
X	X	X0487850	SANITARY SEWER REMOVAL 15"	FOOT	6	6					
X	X	X0900081	TEMPORARY PEDESTRIAN RAILING	FOOT	333	333					
X	X	X1200048	DRAINAGE STRUCTURE LINING	FOOT	52	52					
X	X	X1200136	WATER MAIN INSULATION	FOOT	170	170					
X	X	X1800007	PLANTING SOIL MIX FURNISH AND PLACE, 6"	SQ YD	320				320		
	X	X1800021	TREE, VIBURNUM PRUNIFOLIUM (BLACKHAW VIBURNUM), 2" CALIPER, BALLED AND BURLAPPED	EACH	15				15		
X	X	X2200003	FENCE (SPECIAL)	FOOT	394				394		
X		X2800400	PERIMETER EROSION BARRIER, SPECIAL	FOOT	297	297					
X		X4022000	TEMPORARY ACCESS (COMMERCIAL ENTRANCE)	EACH	4	4					
X	X	X5610708	WATER MAIN REMOVAL, 8"	FOOT	352	352					
X	X	X5630008	CUT AND CAP EXISTING 8" WATER MAIN	EACH	2	2					
X	X	X5630708	CONNECTION TO EXISTING WATER MAIN 8"	EACH	2	2					

MODEL: Default
FILE NAME: Summary of Quantities- 15 of 16

Stanley Consultants INC.

USER NAME = 9695	DESIGNED - CEG	REVISED -
	DRAWN - DWW	REVISED -
PLOT SCALE = 2.0000 ' / in.	CHECKED - PAS	REVISED -
PLOT DATE = 5/13/2020	DATE - 05-18-2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CENTRAL STREET BRIDGE
SUMMARY OF QUANTITIES

SCALE: NONE | SHEET 15 OF 16 SHEETS | STA. | TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1301	16-00278-00-BR	COOK	136	18
		CONTRACT NO. 61F92		
	ILLINOIS FED. AID PROJECT			

SUMMARY OF QUANTITIES						ROADWAY	BRIDGE	SAFETY	LANDSCAPING	TRAINEES	SAFETY
SPECIAL PROVISION	SPECIALTY ITEM	CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY	80% FED 20% Evanston	80% FED 20% Evanston	80% FED 20% Evanston	80% FED 20% Evanston	80% FED 20% Evanston	100% Evanston
						0005	0010	0021	0031	0042	21
X		X6022830	MANHOLES, SANITARY, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1	1					
X		X6640300	CHAIN LINK FENCE REMOVAL	FOOT	2,314	2,314					
X		X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1					
X		X7040650	REMOVE TEMPORARY CONCRETE BARRIER	FOOT	570	570					
X	X	X8040102	ELECTRIC SERVICE INSTALLATION, SPECIAL	EACH	1			1			
X	X	X8250500	LIGHTING UNIT COMPLETE, SPECIAL	EACH	6			6			
X	X	X8250505	LIGHTING CONTROLLER, SPECIAL	EACH	1			1			
X	X	X8300001	LIGHT POLE, SPECIAL	EACH	3			3			
X	X	XX009459	LIGHTING UNIT COMPLETE, SPECIAL (MATERIAL ONLY)	EACH	1						1
X	X	XX009410	LIGHT POLE, SPECIAL (MATERIAL ONLY)	EACH	1						1
X	X	XX009411	ARCHITECTURAL LIGHTING UNIT, SPECIAL	EACH	22				22		
X	X	XX009412	ARCHITECTURAL LIGHTING UNIT, SPECIAL (MATERIAL ONLY)	EACH	1						1
X	X	XX009413	USGA GREEN RELOCATION	SQ YD	559				559		
X	X	XX009414	USGA PUTTING GREEN	SQ YD	1,392				1,392		
X	X	XX009415	BOULDERS	EACH	3				3		
X	X	XX009416	WATER MAIN EXPANSION JOINT 8"	EACH	2	2					

MODEL: Default
FILE NAME: Summary of Quantities 16 of 16

Stanley Consultants INC.

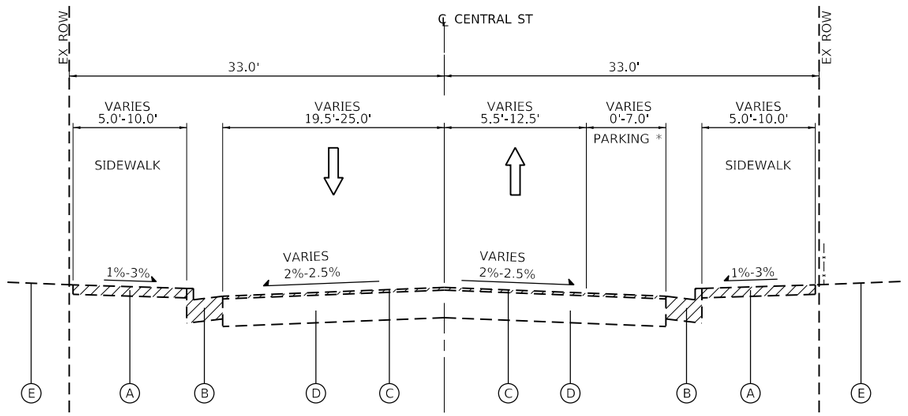
USER NAME = 9695	DESIGNED - CEG	REVISED -
	DRAWN - DWW	REVISED -
PLOT SCALE = 2.0000 ' / In.	CHECKED - PAS	REVISED -
PLOT DATE = 5/13/2020	DATE - 05-18-2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CENTRAL STREET BRIDGE
SUMMARY OF QUANTITIES

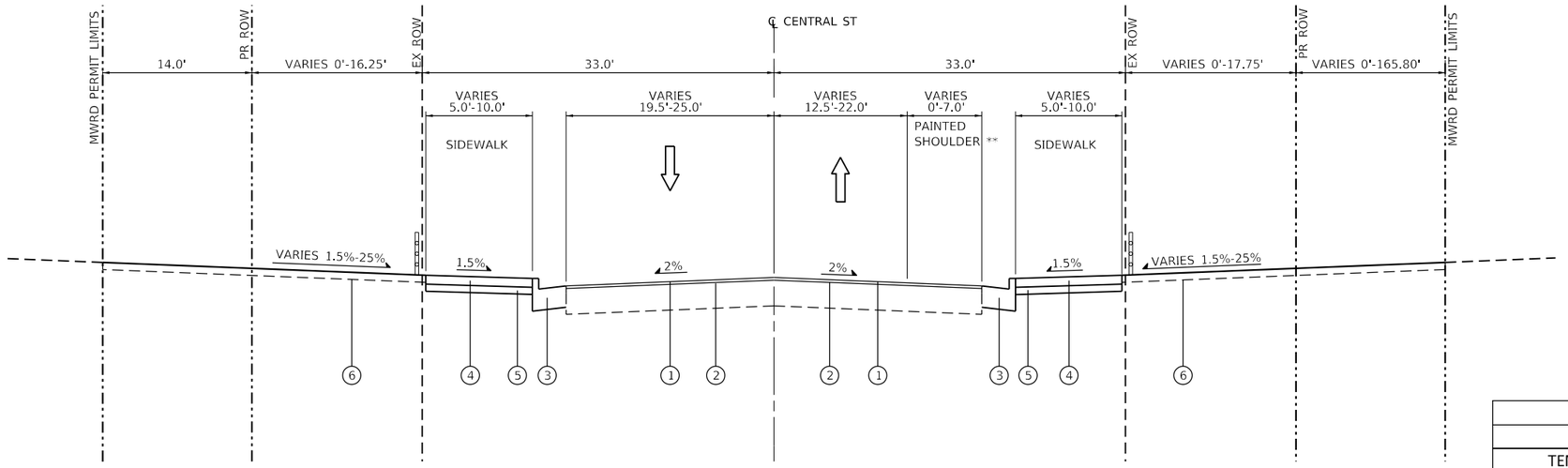
SCALE: NONE | SHEET 16 OF 16 SHEETS | STA. | TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1301	16-00278-00-BR	COOK	136	19
		CONTRACT NO. 61F92		
	ILLINOIS	FED. AID PROJECT		



EXISTING TYPICAL SECTION CENTRAL STREET

STA 103+00.00 TO STA 104+67.69 *
STA 107+14.37 TO STA 109+00.00
BRIDGE OMISSION STA 104+67.69 TO STA 107+14.37



PROPOSED TYPICAL SECTION CENTRAL STREET

STA 103+00.00 TO STA 104+79.60
STA 107+09.03 TO STA 109+00.00 **
BRIDGE OMISSION STA 104+79.44 TO STA 107+09.18

EXISTING LEGEND

- (A) PORTLAND CEMENT CONCRETE SIDEWALK 5"
- (B) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- (C) HOT-MIX ASPHALT BINDER AND SURFACE COURSES (4" AND VARIES)
- (D) PORTLAND CEMENT CONCRETE BASE COURSE, 12"
- (E) GROUND SURFACE (ASSUME EXISTING TOPSOIL DEPTH 4")

PROPOSED LEGEND

- (1) HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70, 1 1/2"
- (2) POLYMERIZED HOT MIX ASPHALT BINDER COURSE, IL-4.75, N50
- (3) COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.24
- (4) PORTLAND CEMENT CONCRETE SIDEWALK 5"
- (5) SUBBASE GRANULAR MATERIAL, TYPE B, 4"
- (6) TOPSOIL FURNISH AND PLACE, 4"
  SODDING, SALT TOLERANT
  NITROGEN FERTILIZER NUTRIENT
  POTASSIUM FERTILIZER NUTRIENT
  PHOSPHOROUS FERTILIZER NUTRIENT

LEGEND

REMOVAL ITEM

HOT-MIX ASPHALT MIXTURE REQUIREMENTS:	
MIXTURE TYPE	AIR VOIDS
TEMPORARY PAVEMENT (VARIABLE DEPTH)	
TEMP PAVEMENT (HMA BINDER IL-19 MM)	4% @ 70 GYR
HMA REPLACEMENT OVER PATCHES	
HMA SURFACE COURSE, IL 9.5, MIX "D" N70, 4" (2 LIFTS)	4% @ 70 GYR
RESURFACING	
HOT-MIX ASPHALT SURFACE COURSE, IL 9.5, MIX "D" N70, 1-1/2"	4% @ 70 GYR
POLYMERIZED HMA BINDER COURSE, IL-4.75, N50, 3/4"	3.5% AT 50 GYR

UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/ SQ YD/ IN.
THE "AC" TYPE FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76-22" AND FOR
NON-POLYMERIZED HMA THE "AC" TYPE SHALL BE PG 64-22 UNLESS MODIFIED BY DISTRICT ONE PROVISIONS.
FOR USE OF RECYCLED MATERIALS SEE SPECIAL PROVISIONS.

MODEL: Typical Sections
FILE NAME: Typical Sections

USER NAME = 9695	DESIGNED - CEG	REVISED -
	DRAWN - CEG	REVISED -
PLOT SCALE = 20.0000 ' / in.	CHECKED - PAS	REVISED -
PLOT DATE = 5/19/2020	DATE - 05-18-2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CENTRAL STREET BRIDGE
TYPICAL SECTIONS

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1301	16-00278-00-BR	COOK	136	20
		CONTRACT NO. 61F92		
	ILLINOIS FED. AID PROJECT			

SCHEDULE OF EARTHWORK

STATION	LENGTH (ft)	CUT CROSS SECTION AREA (sq. ft)	CUT VOLUME (cu ft)	FILL CROSS SECTION AREA (sq. ft)	FILL VOLUME (cu ft)
CENTRAL STREET STAGE 1					
103+00.		0.26		0.00	
103+50.	50.00	1.79	51.13	0.00	0.00
104+00.	50.00	8.09	246.75	17.00	425.00
104+50.	50.00	7.89	399.38	25.83	1070.75
104+65.25	15.25	5.27	100.31	1.31	206.94
104+90.38	25.13	0.00	66.15	10.00	142.11
BRIDGE OMISSION					
106+61.67		0.00		10.00	
106+95.	33.33	0.00	0.00	24.60	576.63
107+23.37	28.37	3.36	47.66	10.90	503.48
107+50.	26.63	3.66	93.40	8.00	251.59
108+00.	50.00	3.57	180.50	8.24	405.88
108+50.	50.00	3.41	174.38	0.63	221.63
109+00.	50.00	0.00	85.25	0.00	15.75
CENTRAL STREET STAGE 2					
103+00.		0.21		0.00	
103+35.	35.00	0.21	7.18	0.00	0.00
BRYANT AVE OMISSION					
103+61.		2.50		0.00	
104+00.	39.00	16.60	372.40	2.74	53.43
104+50.	50.00	17.96	863.88	1.26	100.00
104+65.25	15.25	21.97	304.43	1.29	19.41
104+90.38	25.13	0.00	276.05	30.00	393.10
BRIDGE OMISSION					
106+61.67		0.00		0.00	
106+95.	33.33	2.50	41.62	38.70	644.95
107+23.37	28.37	7.44	140.89	0.06	549.72
107+50.	26.63	7.58	199.92	0.00	0.73
108+00.	50.00	1.67	231.13	0.00	0.00
108+50.	50.00	0.00	41.63	0.00	0.00
109+00.	50.00	0.00	0.00	0.00	0.00
SCHEDULED EARTHWORK			**3,924**		**5,581**

BORROW EXCAVATION (+) OR EXCESS MATERIAL (-) (ASSUMED 15% SHRINKAGE)				(CU YD)
FILL REQUIRED (CY)	206.7	x	1.15	237.7
CUT (CY)	145.3	x	1.00	145.3
NON-SPL WASTE DISPOSL (CY)	323.3	x	1.00	323.3
BORROW/EXCESS (CY)	-178.0	-	237.7	-415.7
FURNISHED	237.7	x	1.1	261.5
UNDERCUT ALLOWANCE (SY)	178.0	x	1.00	178.0

SCHEDULE OF TOPSOIL REMOVAL

STATION	LENGTH (ft)	4" TOPSOIL REMOVAL (sq ft)	TOPSOIL VOLUME (cu ft)
CENTRAL STREET STAGE 1			
103+00.		1.65	
103+50.	50.00	1.23	72.04
104+00.	50.00	8.57	245.05
104+50.	50.00	10.13	467.53
104+65.25	15.25	3.85	106.60
104+90.38	25.13	3.85	96.84
BRIDGE OMISSION			
106+61.67		7.11	
106+95.	33.33	7.11	236.98
107+23.37	28.37	4.71	167.66
107+50.	26.63	6.06	143.41
108+00.	50.00	5.69	293.71
108+50.	50.00	2.50	204.77
109+00.	50.00	0.00	62.59
CENTRAL STREET STAGE 2			
103+00.		2.40	
103+35.	35.00	2.40	83.91
BRYANT AVE OMISSION			
103+61.		9.34	
104+00.	39.00	9.34	364.07
104+50.	50.00	9.77	477.50
104+65.25	15.25	9.74	148.69
104+90.38	25.13	9.74	244.64
BRIDGE OMISSION			
106+61.67		6.31	
106+95.	33.33	6.31	210.32
107+23.37	28.37	3.39	137.59
107+50.	26.63	4.50	105.00
108+00.	50.00	0.00	112.39
108+50.	50.00	0.00	0.00
109+00.	50.00	0.00	0.00
USGA GREEN RELOCATION			
		5031.00	1677.00
USGA PUTTING GREEN			
		4250.00	1416.67
SCHEDULES TOPSOIL		**SQ FT**	**CU FT**
		9415.0	**7074.9**

LOCATION		OFFSET		20101000 TEMPORARY FENCE [FOOT]	20101100 TREE TRUNK PROTECTION [EACH]	20101200 TREE ROOT PRUNING [EACH]	20101300 TREE PRUNING (1-10" DIAMETER) [EACH]	20101350 TREE PRUNING (OVER 10" DIAMETER) [EACH]
STA	103+26.00	35.82	RT	30	1	1		1
STA	103+58.00	35.46	RT	30	1	1		1
STA	104+47.00	94.85	RT	30	1	1	1	
STA	104+48.00	104.37	RT	30	1	1		1
STA	104+44.00	106.87	RT	30	1	1	1	
STA	104+29.00	110.38	RT	30	1	1	1	
STA	104+25.00	140.82	RT	30	1	1		1
STA	104+22.00	160.45	RT	30	1	1		1
STA	104+03.00	162.79	RT	30	1	1		1
STA	103+80.00	181.39	RT	30	1	1	1	
STA	105+22.00	55.09	LT	30	1	1	1	
STA	105+32.00	52.32	LT	30	1	1		1
STA	106+61.00	99.19	RT	30	1	1		1
STA	106+67.00	73.33	RT	30	1	1	1	
STA	106+67.00	68.05	RT	30	1	1	1	
STA	107+97.00	114.7	RT	30	1	1		1
STA	103+87.26	51.38	LT	30	1	1		1
STA	104+34.27	51.7	LT	30	1	1		1
			TOTAL	**540**	**18**	**18**	**7**	**11**

LOCATION:	STA.	OFFSET	LT/RT	20100110 TREE REMOVAL (6-15 UNITS DIAMETER) TOTAL UNITS	20100210 TREE REMOVAL (OVER 15 UNITS DIAMETER) TOTAL UNITS
1	103+91.0	34.94	RT		20
2	103+96.0	166.53	RT	8	
3	104+06.7	156.87	RT	9	
4	104+11.0	161.94	RT	9	
5	104+13.0	144.63	RT	10	
6	104+23.0	122.06	RT	7	
7	104+24.0	130.03	RT	8	
8	104+25.0	126.55	RT	12	
9	104+25.3	31.57	RT	8	
					17
10	104+27.4	31.26	RT	10	
					16
11	104+29.0	101.05	RT	10	
				10	
12	104+34.0	103.87	RT	7	
13	104+37.2	97.67	RT	6	
14	104+37.4	95.77	RT	7	
15	104+38.7	96.22	RT	10	
16	104+45.2	31.12	RT	8	
17	104+50.0	63.59	RT	6	
18	104+79.8	35.98	RT	8	
19	105+04.7	74.45	RT	7	
20	105+07.8	79.28	RT	7	
21	105+18.3	70.19	RT	7	
22	105+25.0	58.63	LT		41
23	105+28.0	57.24	LT		30
24	105+30.0	58.54	LT		26
25	105+33.7	50.25	LT	8	
26	105+65.0	53.83	LT	15	
27	106+23.8	58.84	RT	7	
28	106+25.9	62.25	RT	6	

LOCATION:	STA.	OFFSET	LT/RT	20100110 TREE REMOVAL (6-15 UNITS DIAMETER) TOTAL UNITS	20100210 TREE REMOVAL (OVER 15 UNITS DIAMETER) TOTAL UNITS
29	106+26.2	70.43	RT	9	
30	106+26.5	37.44	RT	9	
31	106+27.0	74.23	RT	7	
				6	
32	106+27.9	63.63	RT	8	
				6	
33	106+38.9	49.76	RT	7	
34	106+39.0	57.72	RT		30
35	106+47.2	76.17	RT	9	
36	106+48.8	37.81	RT	8	
37	106+52.0	49.5	LT	8	
38	106+53.2	42.29	RT	7	
39	106+53.8	40.80	RT	9	
40	106+54.0	53.47	LT	6	
41	106+58.4	38.49	RT	8	
42	106+58.4	34.81	LT	8	
43	106+59.3	38.01	RT	8	
44	106+64.4	36.02	RT	8	
45	106+64.6	34.67	RT	14	
46	106+66.6	33.48	RT	7	
47	106+79.6	32.65	LT	8	
48	107+01.4	52.26	LT	13	
49	107+22.6	100.25	LT	14	
50	107+29.9	127.62	LT	7	
51	107+36.1	128.79	LT	8	
52	107+44.0	40.36	RT		30
				7	
				7	
53	107+47.0	38.61	RT		31
				10	
TREES TO BE REMOVED			**53**		
DIAMETER REMOVED				**436**	**241**

MODEL: Default
FILE NAME: Schedule of Quantities 1 of 2

Stanley Consultants INC.

USER NAME = 9695	DESIGNED - CEG	REVISED -	
	DRAWN - CEG	REVISED -	
PLOT SCALE = 2.0000 ' / in.	CHECKED - PAS	REVISED -	
PLOT DATE = 5/13/2020	DATE - 05-18-2020	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CENTRAL STREET BRIDGE
SCHEDULE OF QUANTITIES

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1301	16-00278-00-BR	COOK	136	21
		CONTRACT NO. 61F92		
		ILLINOIS	FED. AID PROJECT	

SCHEDULE OF SIGN REMOVAL

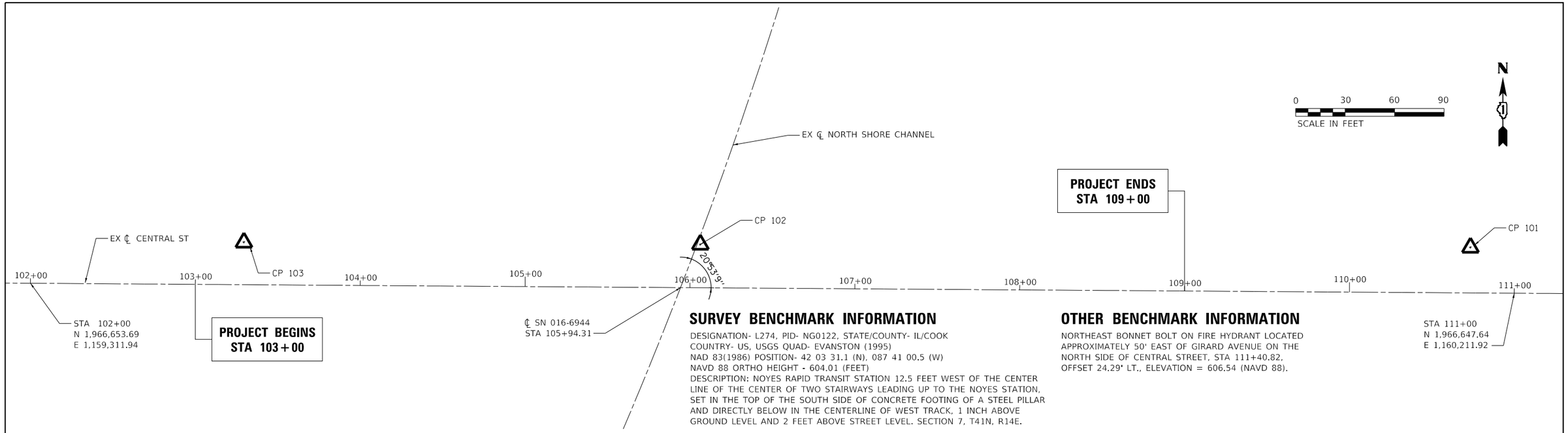
DESCRIPTION	STANDARD NUMBER	STATION	OFFSET (Feet)	LEFT OR RIGHT	72400310 REMOVE SIGN PANEL - TYPE 1 (SF)	73700100 REMOVE GROUND MOUNTED SIGN SUPPORT (EACH)	X0327008 REMOVE AND RELOCATE SIGN (SPECIAL)
SPEED LIMIT 25 MPH	R2-1	103+17	23.09	LT	5		
NO PARKING	R7-1	103+17	23.09	LT	1.5		
FIRE TRUCK	W11-8	103+27	23.84	RT	6.25	1	
STOP SIGN	R1-1	103+31	36.43	LT	6.25	1	
NO PARKING	R7-1	103+55	24.52	RT	1.5	1	
PED WALKING	W11-2	103+96	26.38	RT	6.25		
LEFT DOWN ARROW	W16-7pl	103+96	26.38	RT	2		
NO PARKING	R7-1	103+96	26.38	RT	1.5		
COMMUNITY SIGN	SPECIAL	104+70	30.82	RT		1	
PED WALKING	W11-2	104+83	27.55	LT	6.25		
LEFT DOWN ARROW	W16-7pl	104+83	27.55	LT	2		
NO PARKING	R7-1	104+83	27.55	LT	1.5		
CAUTION: WATERWAY	SPECIAL	105+35	33.43	RT		1	1
13' 9" BRIDGE HEIGHT	W12-2	105+55	31.42	RT	9		
NO PARKING	R7-1	106+27	31.60	LT	1.5		
GOLF CARTS	W11-11P	106+27	31.60	LT	6.25		
H	D9-2	106+22	30.73	RT	4		
ARROW	D9-2a	106+22	30.73	RT	1		
CAUTION: WATERWAY	SPECIAL	106+26	43.77	RT		1	1
NO PARKING	R7-1	107+00	28.09	RT	1.5		
CAUTION: WATERWAY	SPECIAL	106+53	41.18	LT		1	1
STREETLIGHT	W3-3	107+41	31.09	RT	6.25		
GIRARD AV	W16-8	107+41	31.09	RT	2		
FIRE TRUCK/DO NOT BLOCK DRIVEWAY	SPECIAL	107+41	31.09	RT			1
LEFT DOWN ARROW	W16-7pl	107+41	31.09	RT	2		
NO PARKING	R7-1	107+82	27.84	LT	1.5		
SPECIAL SIGN - CANAL SHORES	SPECIAL	107+95	43.75	RT		1	
NO PARKING	R7-1	108+21	31.22	RT	1.5		
LEFT LANE MUST TURN LEFT	R3-7L	108+21	31.22	RT	6.25		
AHEAD	W16-9P	108+21	31.22	RT	1.67		
PED WALKING	W11-2	108+21	31.22	RT	6.25		
TOTAL SIGN REMOVAL QUANTITIES:					**91**	**8**	**4**

SCHEDULE OF SIGN INSTALLATION

DESCRIPTION	STANDARD NUMBER	STATION	OFFSET (Feet)	LEFT OR RIGHT	72000100 SIGN PANEL TYPE 1 (SF)	72900100 METAL POST TYPE A (LF)
SPEED LIMIT: 25 MPH	R2-1	103+17	23.91	LT	5	
NO PARKING	R7-1	103+17	23.91	LT	1.5	
FIRE TRUCK	W11-8	103+27	23.84	RT	6.25	13
STOP SIGN	R1-1	103+31	36.43	LT	6.25	13
NO PARKING	R7-1	103+55	24.52	RT	1.5	11.5
PED WALKING	W11-2	104+60	26.60	RT	6.25	
LEFT DOWN ARROW	W16-7pl	104+60	26.60	RT	2	
NO PARKING	R7-1	104+60	26.60	RT	1.5	
13' 9" BRIDGE HEIGHT	W12-2	105+17	38.08	RT	9	
PED WALKING	W11-2	104+60	28.41	LT	6.25	
LEFT DOWN ARROW	W16-7pl	104+60	28.41	LT	2	
NO PARKING	R7-1	104+60	28.41	LT	1.5	
CAUTION: WATERWAY	SPECIAL	105+35	33.43	RT		12.5
NO PARKING	R7-1	105+88	38.08	LT	1.5	
GOLF CARTS	W11-11P	105+88	38.08	LT	6.25	
H	D9-2	106+22	30.73	RT	4	
ARROW	D9-2a	106+22	30.73	RT	1	
CAUTION: WATERWAY	SPECIAL	106+26	43.77	RT		12.5
NO PARKING	R7-1	106+43	38.08	RT	1.5	
CAUTION: WATERWAY	SPECIAL	106+53	41.18	LT		12.5
STREETLIGHT	W3-3	107+41	36.51	RT	6.25	
GIRARD AV	W16-8	107+41	36.51	RT	2	
LEFT DOWN ARROW	W16-7pl	107+41	36.51	RT	2	
NO PARKING	R7-1	107+52	28.86	LT	1.5	
NO PARKING	R7-1	108+06	28.11	RT	1.5	
LEFT LANE MUST TURN LEFT	R3-7L	108+06	28.11	RT	6.25	
AHEAD	W16-9P	108+06	28.11	RT	1.67	
PED WALKING	W11-2	108+06	28.11	RT	6.25	
TOTAL SIGN INSTALLATION QUANTITIES:					**91**	**75**

PRACTICE GREEN SCHEDULE

TYPE OF WORK TO BE COMPLETED	DESCRIPTION	STATION TO STATION	OFFSET TO OFFSET	LEFT OR RIGHT	60100060 CONCRETE HEADWALL FOR PIPE UNDERDRAIN (EACH)	60107600 PIPE UNDERDRAIN 4" (FT)	USGA PUTTING GREEN (SQ YD)	USGA PUTTING GREEN RELOCATION (SQ YD)
RESTORATION	CONCRETE HEADWALL	106+77	33.18	RT	1			
	UNDERDRAIN	106+77 to 108+52	33.18 to 78.86	RT		691		
	TOPSOIL REMOVAL	107+11 to 108+52	77.90 to 67.52	RT				
	USGA GREEN	107+11 to 108+52	77.90 to 67.52	RT			1392	
RELOCATION	TOPSOIL REMOVAL	107+74 to 108+69	681.92 to 680.14	RT				
	RELOCATED GREENS	107+74 to 108+69	681.92 to 680.14	RT				559



SURVEY BENCHMARK INFORMATION

DESIGNATION- L274, PID- NG0122, STATE/COUNTY- IL/COOK
COUNTRY- US, USGS QUAD- EVANSTON (1995)
NAD 83(1986) POSITION- 42 03 31.1 (N), 087 41 00.5 (W)
NAVD 88 ORTHO HEIGHT - 604.01 (FEET)
DESCRIPTION: NOYES RAPID TRANSIT STATION 12.5 FEET WEST OF THE CENTER LINE OF THE CENTER OF TWO STAIRWAYS LEADING UP TO THE NOYES STATION, SET IN THE TOP OF THE SOUTH SIDE OF CONCRETE FOOTING OF A STEEL PILLAR AND DIRECTLY BELOW IN THE CENTERLINE OF WEST TRACK, 1 INCH ABOVE GROUND LEVEL AND 2 FEET ABOVE STREET LEVEL. SECTION 7, T41N, R14E.

OTHER BENCHMARK INFORMATION

NORTHEAST BONNET BOLT ON FIRE HYDRANT LOCATED APPROXIMATELY 50' EAST OF GIRARD AVENUE ON THE NORTH SIDE OF CENTRAL STREET, STA 111+40.82, OFFSET 24.29' LT., ELEVATION = 606.54 (NAVD 88).

△ CP 103
① NORTH EAST BOLT OF LIGHT POLE
② CENTER OF STOP SIGN POST
③ CORNER OF SIDEWALK AND CARRIAGE WALK

NORTHING 1,966,678.436
EASTING 1,159,441.427
ELEVATION 600.98 (NAVD88 DATUM)

△ CP 102
① BACK OF SIDEWALK
② EDGE OF SIDEWALK
③ SOUTH WEST CORNER OF LIGHT POLE BASE ON PARAPET WALL

NORTHING 1,966,677.154
EASTING 1,159,718.274
ELEVATION 602.60 (NAVD88 DATUM)

△ CP 101
① CENTER OF PEDESTRIAN SIGNAL POST
② CENTER OF MANHOLE LIDS
③ CENTER OF TRAFFIC SIGNAL POST

NORTHING 1,966,675.325
EASTING 1,160,185.374
ELEVATION 602.60 (NAVD88 DATUM)

MODEL: Default
FILE NAME: Alignment, Ties and Benchmarks

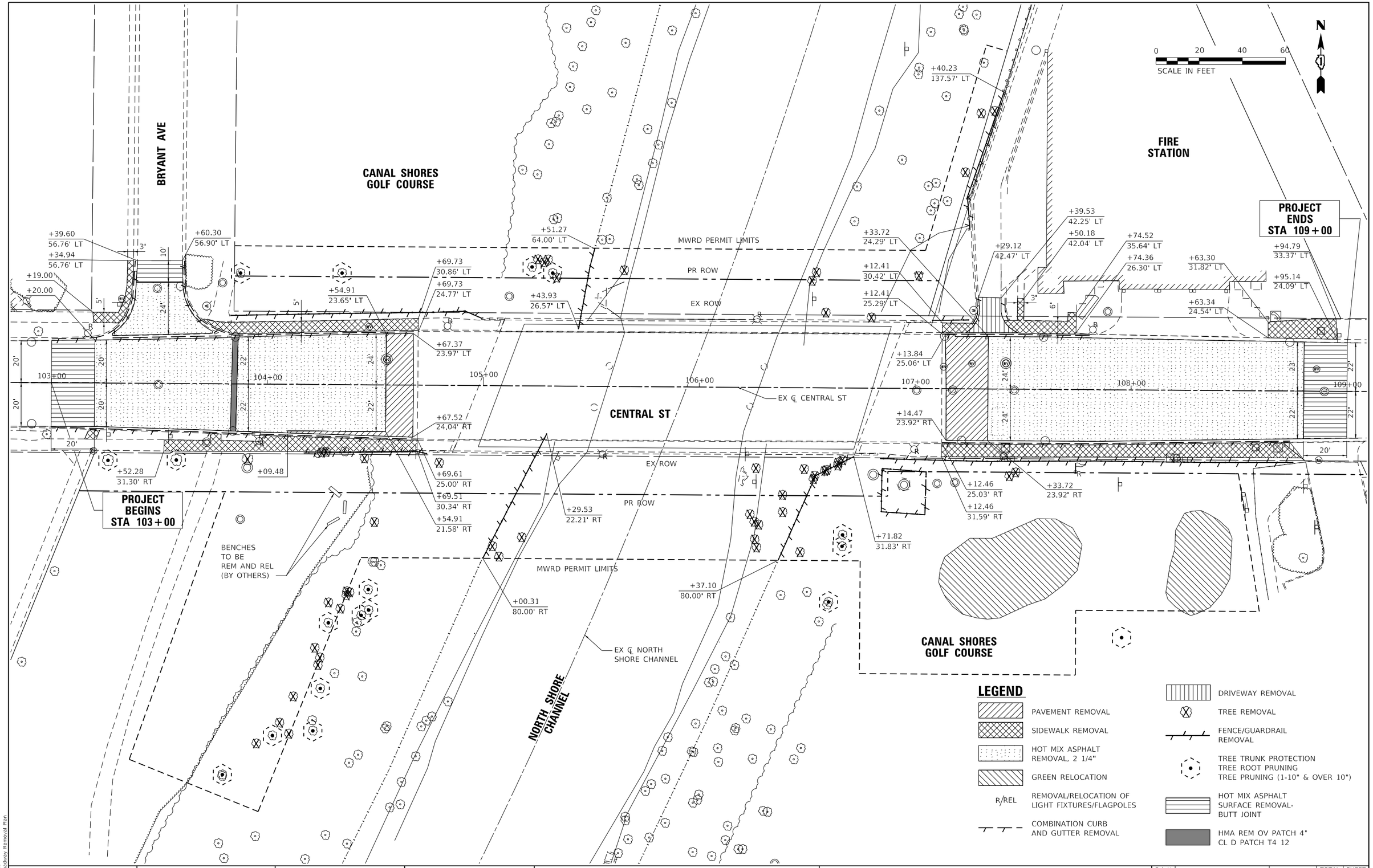
USER NAME = 9695	DESIGNED - CEG	REVISED -
	DRAWN - DWW	REVISED -
PLOT SCALE = 60.0000 ' / in.	CHECKED - PAS	REVISED -
PLOT DATE = 5/13/2020	DATE - 05-18-2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CENTRAL STREET BRIDGE
ALIGNMENT, TIES, AND BENCHMARKS

SCALE: 1"=30' | SHEET 1 OF 1 SHEETS | STA. 102+00 TO STA. 111+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1301	16-00278-00-BR	COOK	136	23
		CONTRACT NO. 61F92		
	ILLINOIS	FED. AID PROJECT		



MODEL: Default
FILE NAME: Roadway Removal Plan

USER NAME = 9695	DESIGNED - CEG	REVISED -
	DRAWN - DWW	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - PAS	REVISED -
PLOT DATE = 5/13/2020	DATE - 05-18-2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CENTRAL STREET BRIDGE
REMOVAL PLANS

SCALE: 1"=20' | SHEET 1 OF 1 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1301	16-00278-00-BR	COOK	136	24
		CONTRACT NO. 61F92		
		ILLINOIS	FED. AID PROJECT	

PROJECT BEGINS STA 103+00.00

BRYANT AVE

CANAL SHORES GOLF COURSE

FIRE STATION

PROJECT ENDS STA 109+00.00

N

HMA BUTT JOINT

HMA SURF REM, 2 1/4"
HMA SURF SC 9.5 "D" N70, 1 1/2"
P HMA BC IL-4.75 N50 3/4"

COMBINATION CURB AND GUTTER TYPE B6.24 (TYP)

MWRD PERMIT LIMITS

PR ROW

EX ROW

TAPER (40:1) (TYP)

12" WINGWALL (TYP)

CONCRETE BRIDGE RAIL, SIDEWALK MOUNTED (TYP)

PCC DRIVEWAY PAVEMENT, 8 IN

NON-BLOCKED STEEL PLATE BEAM GUARDRAIL, 63 LF

R 25'
R 22'

CONC GUTTER TYPE A

EX ℄ CENTRAL STREET

30' APPROACH SLAB
EXPANSION JOINT
PAVEMENT CONNECTOR (PCC) FOR BRIDGE APPROACH SLAB

HMA SURF REM, 2 1/4"
HMA SURF SC 9.5 "D" N70, 1 1/2"
P HMA BC IL-4.75 N50 3/4"

PCC BASE COURSE WIDENING 12"

PCC SIDEWALK, 5" (TYP)

+39.60 56.76 LT
+49.95
+60.30 56.90 LT
+60.59 46.04 LT
+19.00 32.79' LT
+38.65 41.09 LT
+00.00 19.47 LT
+28.13 22.08 LT
+74.40 23.38 LT
+86.33 21.74 LT
+25.07 22.83 LT
+54.91 23.65 LT
+89.14 25.00 LT
+88.89 37.58 LT
+93.94 37.58 LT
+20.00 19.93 LT
+00.00 20.26 RT
+20.00 20.18 RT
+54.91 21.58 RT
+54.91 24.39 RT
+09.48 22.58 RT
+70.06 25.00 RT
+10.01 22.80 RT
+20.82 20.19 RT
+52.28 31.30 RT
+09.05 35.15 RT
+65.26 37.58 RT
+40.23 137.57 LT
+24.89 73.46 LT
+29.12 42.47 LT
+29.55 37.46' LT
+23.97 27.31' LT
+23.37 37.58 LT
+34.33
+39.53 42.25 LT
+39.57 37.25' LT
+47.19 42.10 LT
+50.18 42.04 LT
+74.54 36.65 LT
+47.19 42.10 LT
+00.00 22.48 LT
+77.20 32.97 LT
+81.62 25.57 LT
+81.60 23.97 LT
+18.56 25.00 LT
+33.72 24.39 LT
+47.08 24.27 LT
+70.25 26.71 LT
+23.29 24.79 LT
+77.09 24.33 LT
+80.00 22.73 LT
+26.48 23.92 RT
+33.72 23.92 RT
+84.97 23.93 RT
+60.29 25.10 RT
+80.00 22.15 RT
+73.80 22.26 RT
+00.00 21.77 RT
+73.80 23.81 RT
+81.09 32.78 RT
+85.09 36.51 RT
+56.81 35.17 RT
+56.86 36.08 RT
+99.49 25.00 RT
+26.73 36.50 RT
+99.74 37.58 RT
+94.69 37.58 RT

103 104 105+00 106 107 108 109

NORTH SHORE CHANNEL

MWRD PERMIT LIMITS

CANAL SHORES GOLF COURSE

MWRD PERMIT LIMITS

0 20 40 60
SCALE IN FEET

0 5 10 15
VERT SCALE IN FEET

EX PROFILE
PR PROFILE
EX ℄ CENTRAL STREET

BEGIN PROJECT 103+00.00

END PROJECT 109+00.00

-0.22% +0.75% +0.75% +0.64% +0.64% +0.50%

VPI STA. 104+00.00
ELEVATION 600.80

VPI STA. 104+59.76
ELEVATION 601.25

VPI STA. 107+22.37
ELEVATION 602.92

EL 597.61
EL 593.74
EL 598.61
EL 594.64
EL 586.59 **

4'-1"
7'-1"

EX LOW STEEL
PR LOW STEEL
PR ABUTMENT (TYP)
EX BRIDGE COLUMN (TYP)

MAINTAIN 13' 9" RESTRICTED OVERHEAD CLEARANCE AT STA 109+50

605 595 590 585

601.02 601.02 | 600.84 600.91 | 600.88 600.80 | 602.11 601.17 | 601.58 601.50 | 601.84 601.82 | 602.10 602.14 | 602.43 602.46 | 602.67 602.78 | 603.13 603.06 | 603.35 603.31 | 603.26 603.56 | 603.87 603.87

103+00 103+50 104+00 104+50 105+00 105+50 106+00 106+50 107+00 107+50 108+00 108+50 109+00

* OBSERVED WATER LEVEL 11/2016 = ELEV 577.39

** 100 YR MAX WS PER HEC-RAS NORTH SHORE CHANNEL PROFILE = ELEV 586.59

*** NWL TO LOW CHORD CLEARANCE = 16.35'

MODEL: Default
FILE NAME: Roadway Plan and Profile

USER NAME = 9695	DESIGNED - CEG	REVISED -
	DRAWN - CEG	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - PAS	REVISED -
PLOT DATE = 5/13/2020	DATE - 05-18-2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CENTRAL STREET BRIDGE
ROADWAY PLAN AND PROFILE

SCALE: 1"=20' | SHEET 1 OF 1 SHEETS | STA. 103+00.00 TO STA. 109+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1301	16-00278-00-BR	COOK	136	25

CONTRACT NO. 61F92

ILLINOIS | FED. AID PROJECT

MAINTENANCE OF TRAFFIC GENERAL NOTES

1. THE CONTRACTOR MUST COORDINATE ALL LANE CLOSURES WITH THE ENGINEER.

2. ALL TRAFFIC CONTROL DEVICES AND SIGNAGE REQUIRED ARE IN ACCORDANCE WITH APPLICABLE IDOT DISTRICT 1 STANDARDS, IDOT HIGHWAY STANDARDS, AND THESE CONTRACT DRAWINGS ARE INCLUDED IN THE COST OF "TRAFFIC CONTROL AND PROTECTION (SPECIAL)", AND WILL NOT BE PAID FOR SEPARATELY.

3. EXISTING PAVEMENT MARKINGS THAT CONFLICT WITH TEMPORARY PAVEMENT MARKINGS SHALL BE REMOVED, AS DIRECTED BY THE ENGINEER. THE REMOVAL WILL BE MEASURED IN SQUARE FEET AND PAIDFOR AS "PAVEMENT MARKING REMOVAL".

4. ANY EXISTING SIGNS DENOTED WITHIN THE PLAN SET THAT DO NOT APPLY TO THE REVISED TRAFFIC PATTERNS SHALL BE REMOVED OR COVERED, AS DIRECTED BY THE ENGINEER. THE COVERING OR REMOVAL OF GROUND MOUNTED SIGNS SHALL BE NON-DESTRUCTIVE IN NATURE AND WILL NOT BE MEASURED FOR PAYMENT BUT IS CONSIDERED INCLUDED IN THE CONTRACT UNIT PRICE FOR “TRAFFIC CONTROL AND PROTECTION (SPECIAL)”

5. TEMPORARY CONCRETE BARRIER MUST BE CONTINUOUSLY PINNED ALONG THE TRAFFIC SIDE WHERE A HAZARD EXISTS WITHIN 37" BEHIND THE TEMPORARY CONCRETE BARRIER; THE BARRIER SHALL BE ANCHORED TO THE PAVEMENT AT ALL LOCATIONS IN THE PLANS. PINNING THE BARRIER TO THE PAVEMENT SHOULD BE PAID SEPARATELY. A ONE FOOT SHY DISTANCE, OR 6", AS SHOWN IN PLAN, WILL BE PROVIDED FROM CENTER OF TEMPORARY PAVEMENT MARKING TO FACE OF TEMPORARY BARRIER AS SPACE ALLOWS.

6. THE PAVEMENT MARKING EDGE LINE WILL BE YELLOW WHEN THE BARRIER IS TO THE LEFT OF THE TRAVEL LANE AND WHITE WHEN ON THE RIGHT SIDE.

7. CHANGEABLE MESSAGE SIGNS SHALL BE USED FOR ADVANCE SIGNING IN BOTH TRAFFIC DIRECTIONS. THESE SIGNS WILL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR "CHANGEABLE MESSAGE SIGN". THE CONTRACTOR SHALL COORDINATE THR SIGN PLACEMENT AND MESSAGING WITH THE ENGINEER. THE CHANGABLE MESSAGE SIGNS ARE TO BE TYPE B.

8. MAINTAIN ACCESS TO DRIVEWAYS AT ALL TIMES. USE IDOT DISTRICT 1 STD TC-26 "DRIVEWAY ENTRANCE SIGNING". THESE SIGNS WILL BE PAID FOR AT THE UNIT PRICE FOR "TEMPORARY INFORMATION SIGNING".

9. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ACCESS CONTROL AT ALL TIMES BY CONSTRUCTING HALF AND MAINTAINING ACCESS IN THE OTHER HALF AT DRIVEWAYS AND INTERSECTING ROADS. PAY ITEM "TEMPORARY ACCESS (COMMERCIAL ENTRANCE) " WILL BE USED FOR THE TEMPORARY ACCESS. REMOVAL OF THE "TEMPORARY ACCESS (COMMERCIAL ENTRANCE)" IS INCLUDED IN THE COST OF PAY ITEM INSTALLATION.

10. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING AND PROVIDING ACCESS POINTS TO THE WORK ZONE. ACCESS POINTS MUST BE APPROVED BY THE ENGINEER PRIOR TO INSTALLATION. ANY SIGNING OR ADDITIONAL TRAFFIC CONTROL DEVICES REQUIRED TO PROVIDE CONTRACTOR ACCESS TO THE WORK ZONE IS INCLUDED IN THE COST OF "TRAFFIC CONTROL AND PROTECTION (SPECIAL)" AND WILL NOT BE PAID FOR SEPARATELY.

11. TEMPORARY PAVEMENT INSTALLED FOR TRAFFIC STAGING WILL BE PAID AS "TEMPORARY PAVEMENT (VARIABLE DEPTH)". THE REMOVAL OF THE TEMPORARY PAVEMENT WILL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR "TEMPORARY PAVEMENT (VARIABLE DEPTH)".

12. "RELOCATE TEMPORARY CONCRETE BARRIER" WILL BE MEASURED FOR PAYMENT WHEN THE BARRIER IS RELOCATED AND USED AS A TRAFFIC CONTROL DEVICE. THERE MAY BE SOME INSTANCES WHEN THE EXISTING TEMPORARY CONCRETE BARRIER REQUIRES RELOCATION DUE TO THE CONTRACTORS ACTIVITIES BUT THE BARRIER WILL NOT BE USED FOR MAINTENANCE OF TRAFFIC DURING THAT STAGE. THIS BARRIER WILL NOT BE MEASURED FOR PAYMENT UNTIL IT IS USED AS A TRAFFIC CONTROL DEVICE IN A SUBSEQUENT STAGE.

13. LANE CLOSURES, RAMP CLOSURES, SIGNING, PAVEMENT MARKING AND BARRICADE PLACEMENT SHALL BE IN ACCORDANCE WITH THE LATEST HIGHWAY STANDARD DRAWINGS AND IDOT DISTRICT 1 STANDARD DETAILS.

14. THE CONTRACTOR SHALL CONTACT THE IDOT DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT KALPANA.KANNAN-HOSADURGA@ILLINOIS.GOV A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.

15. TWO WEEKS PRIOR TO PLACEMENT OF PERMANENT PAVEMENT MARKINGS, THE ENGINEER SHALL CONTACT DON CHIARUGI, AREA TRAFFIC FIELD ENGINEER AT DON.CHIARGUI@ILLINOIS.GOV.

16. BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL RETAIN AND RECORD FOR FUTURE REFERENCE, ALL EXISTING PAVEMENT MARKING LINES AND RAISED REFLECTIVE PAVEMENT MARKERS IN ORDER THAT THESE LOCATION CAN BE REESTABLISHED FOR STRIPING. EXACT LOCATIONS OF ALL PAVEMENT MARKING SHALL BE DIRECTED BY THE ENGINEER.

17. REMOVE OR COVER WORKER SIGNS WHEN WORKERS ARE NOT PRESENT.

18. ALL SIGNS FOR PEDESTRIAN CROSSINGS AND FIRE STATION SIGNS SHALL BE MAINTAINED DURING CONSTRUCTION.

STAGING SEQUENCE

PRE-STAGE (2/1/2021 TO 2/28/2021)

REMOVE PARKING FROM THE SOUTH SIDE OF CENTRAL STREET FOR THE DURATION OF THE CONSTRUCTION STAGING. STABILIZE THE FIRE STATION DRIVEWAY WITH PERMANENT SHEET PILING. INSTALL TEMPORARY TRAFFIC SIGNAL AT BRYANT AVENUE.

STAGE 1 MOT TRAFFIC (3/1/2021 TO 4/15/2021)

SHIFT CENTRAL STREET EASTBOUND LANE NORTH TO EXISTING WESTBOUND LANE AND REDUCE LANE WIDTH TO 10'. INSTALL TEMPORARY CONCRETE BARRIERS ALONG SOUTHERN EDGE OF WESTBOUND LANE. SHIFT WESTBOUND LANE NORTH AND REDUCE LANE WIDTH TO 10'.

STAGE 1 CONSTRUCTION (3/1/2021 TO 9/30/2021)

REMOVE EXISTING SOUTHERN PORTION OF CENTRAL STREET BRIDGE INCLUDING ASSOCIATED ROADWAY APPROACH.

STAGE 2 MOT TRAFFIC (COMPLETE BY 9/30/2021)

SHIFT CENTRAL STREET EASTBOUND AND WESTBOUND LANES SOUTH TO PROPOSED WESTBOUND LANE CONSTRUCTED IN STAGE 1. INSTALL TEMPORARY CONCRETE BARRIERS ALONG NORTHERN EDGE OF WESTBOUND LANE.

STAGE 2 CONSTRUCTION (3/1/2022 TO 8/31/2022)

REMOVE EXISTING NORTHERN PORTION OF CENTRAL STREET BRIDGE INCLUDING ASSOCIATED ROADWAY APPROACH.

STAGE 3 MOT TRAFFIC (COMPLETE BY 8/31/2022)

TRAFFIC CONTROL IN STAGE 3 IS TO FOLLOW STANDARD 701427-05 "LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS < 40 MPH"

STAGE 3 CONSTRUCTION (COMPLETE BY 8/31/2022)

CONDUCT NECESSARY PAVING OPERATIONS AT EACH BRIDGE APPROACH. COORDINATE TEMPORARY LANE CLOSURES WITH THE ENGINEER.

STAGING NOTES

A. STAGING PROCEDURES PRESENTED ARE THE MANDATORY SEQUENCE OF TRAFFIC OPERATIONS. THE CONTRACTOR MAY NOT MODIFY THE STAGING SEQUENCE.

B. THE CONTRACTOR SHALL INSTALL NO PARKING SIGNS AT LEAST 48 HRS IN ADVANCE ALONG THE SOUTH SIDE OF THE ROADWAY WHERE EXISTING ON-STREET PARKING IS PRESENT TO RESTRICT ON-STREET PARKING THROUGHOUT STAGE I AND STAGE II CONSTRUCTION.

C. THE CONTRACTOR SHALL PLACE IDOT STANDARD ROAD CONSTRUCTION SIGNS PER STANDARD LISTED BELOW.

D. ALL CONSTRUCTION ACTIVITIES ARE TO BE COORDINATED WITH THE FIRE STATION PERSONNEL. ACCESS TO AND FROM THE FIRE STATION AND ADJACENT DRIVEWAY SHALL BE MAINTAINED AT ALL TIMES.

E. CTA STATION ACCESS IS TO BE COORDINATED WITH CTA PERSONNELL AND NO TRAFFIC CONTROL ACTIVITY SHALL RESTRICT ACCESS TO CTA STATION.

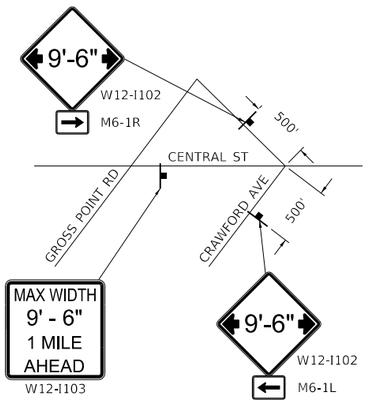
F. CANAL SHORES GOLF COURSE CART AND PEDESTRIAN ACCESS ACROSS THE WORKZONE SHALL BE MAINTAINED IN THE NORTH AND SOUTH DIRECTION AT THE LOCATION OF THE TEMPORARY SIGNALS AT BRYANT AVE.

STANDARDS

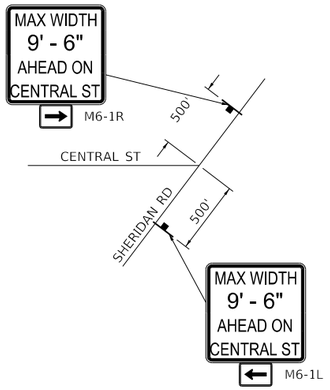
701006-05	OFF-ROAD OPERATIONS, 2L, 2W, 15' TO 24" FROM PAVEMENT EDGE
701101-04	OFF-ROAD OPERATIONS MULTI-LANE, 15' TO 24" FROM PAVEMENT EDGE
701106-02	OFF-ROAD OPERATIONS MULTI-LANE, MORE THAN 15' AWAY FROM PAVEMENT EDGE
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701427-05	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS < 40 MPH
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701502-09	URBAN LANE CLOSURE, 2L, 2W, WITH BIDIRECTIONAL LEFT TURN LANE
701606-10	URBAN SINGLE LANE CLOSURE, MULTI-LANE, 2W WITH MOUNTABLE MEDIAN
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE (2 SHEETS)
701901-08	TRAFFIC CONTROL DEVICES (3 SHEETS)
704001-08	TEMPORARY CONCRETE BARRIER
TC-10	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS
TC-13	DISTRICT ONE TYPICAL PAVEMENT MARKINGS
TC-16	SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS
TC-22	ARTERIAL ROAD INFORMATION SIGN
TC-26	DRIVEWAY ENTRANCE SIGNING

ADVANCE SIGNING

WIDTH RESTRICTION SIGNING FOR EASTBOUND TRAFFIC



WIDTH RESTRICTION SIGNING FOR WESTBOUND TRAFFIC



MODEL: Default
FILE NAME: 26768-sht-0122-MOT Notes

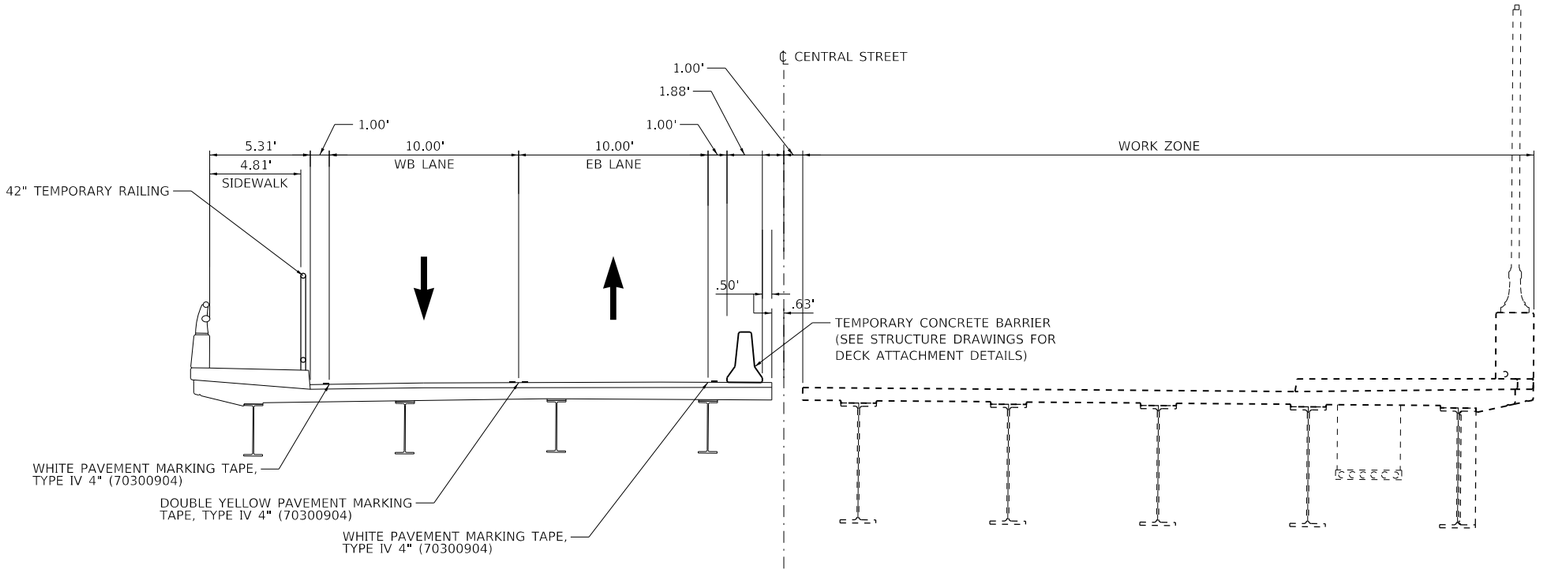
USER NAME = 9695	DESIGNED - MB	REVISED -	
	DRAWN - MB	REVISED -	
PLOT SCALE = 8.0000 ' / in.	CHECKED - PAS	REVISED -	
PLOT DATE = 5/13/2020	DATE - 05-18-2020	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

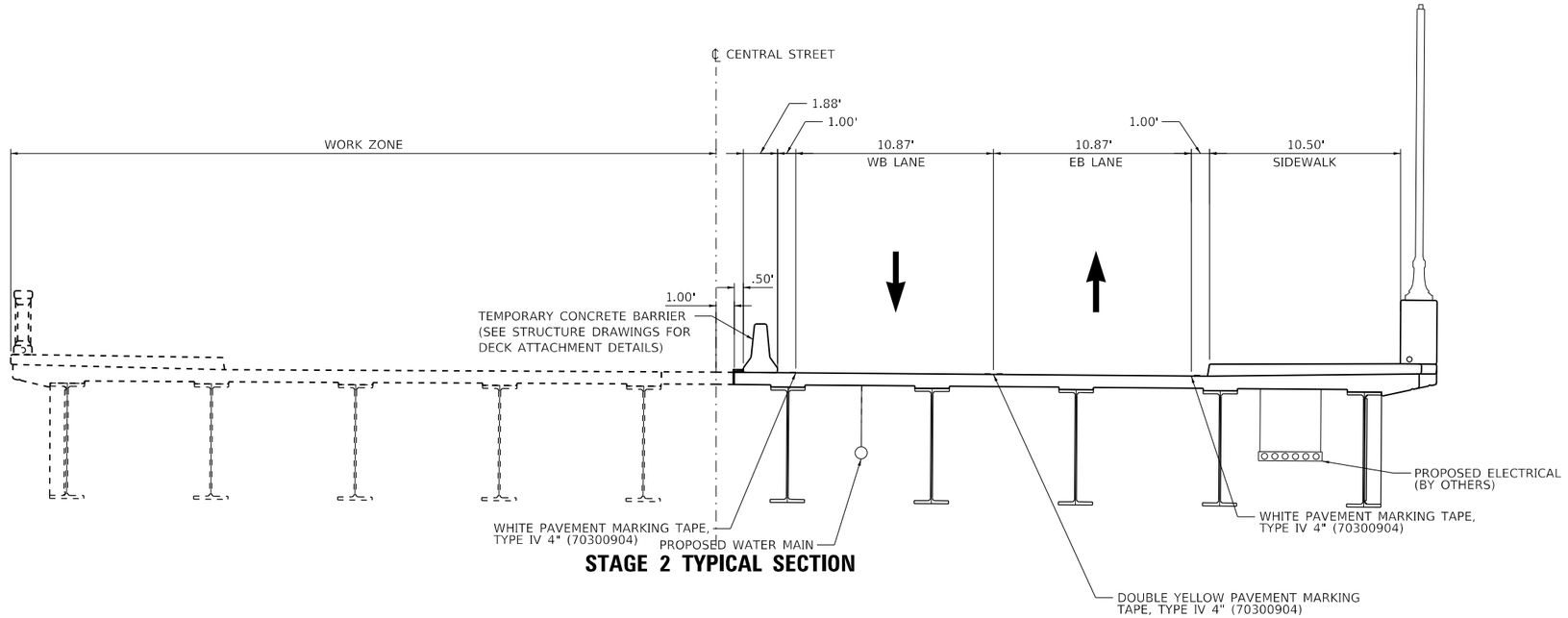
CENTRAL STREET BRIDGE
MOT GENERAL NOTES

SCALE: NONE | SHEET 1 OF 6 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1301	16-00278-00-BR	COOK	136	26
		CONTRACT NO. 61F92		
	ILLINOIS	FED. AID PROJECT		



STAGE 1 TYPICAL SECTION



STAGE 2 TYPICAL SECTION

MODEL: Default
FILE NAME: MOT Typical Sections

USER NAME = 9695	DESIGNED - MB	REVISED -	**STATE OF ILLINOIS**
	DRAWN - MB	REVISED -	**DEPARTMENT OF TRANSPORTATION**
PLOT SCALE = 8.0000 ' / in.	CHECKED - PAS	REVISED -	
PLOT DATE = 5/13/2020	DATE - 05-18-2020	REVISED -	

CENTRAL STREET BRIDGE
MOT TYPICAL SECTIONS

SCALE: NONE | SHEET 2 OF 6 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1301	16-00278-00-BR	COOK	136	27
		CONTRACT NO. 61F92		
	ILLINOIS	FED. AID PROJECT		

PROPOSED WORK ZONE

PROPOSED TEMPORARY CONCRETE BARRIER

PROPOSED TEMPORARY TRAFFIC SIGNALS (SEE TEMPORARY TRAFFIC SIGNAL SHEETS)

PROPOSED TEMPORARY IMPACT ATTENUATOR (FULLY REDIRECTIVE, NARROW) TL2

PROPOSED SIGHT SCREEN (CHAIN LINK FENCE) 6' (64000110)

PROPOSED 42" TEMPORARY RAILING

DIRECTION OF TRAFFIC FLOW

PROPOSED DRUMS WITH EDGE LINE

PROPOSED TYPE III BARRICADE

PROPOSED SIGN

① PAVEMENT MARKING TAPE, TYPE IV - LETTERS AND SYMBOLS (70300900)

② PAVEMENT MARKING TAPE, TYPE IV 4" (70300904)

③ PAVEMENT MARKING TAPE, TYPE IV 6" (70300906)

④ PAVEMENT MARKING TAPE, TYPE IV 12" (70300912)

⑤ PAVEMENT MARKING TAPE, TYPE IV 24" (70300924)

WINTER MONTHS PAVEMENT MARKINGS TO UTILIZE:

MODIFIED URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS 78009000)

MODIFIED URETHANE PAVEMENT MARKING - LINE 4" (78009004)

MODIFIED URETHANE PAVEMENT MARKING - LINE 6" (78009006)

MODIFIED URETHANE PAVEMENT MARKING - LINE 12" (78009012)

MODIFIED URETHANE PAVEMENT MARKING - LINE 24" (78009024)

NOTE:
ALL PEDESTRIAN CROSSING AND FIRE STATION SIGNS SHALL BE MAINTAINED.
ALL SIDEWALK CLOSURES TO FOLLOW IDOT STANDARD 701801.

ROAD CONSTRUCTION AHEAD W20-I103(0)-48

CONTINUE PROPOSED CHAIN LINK FENCE, 4' (66400105) TO APARTMENT BUILDING SIDEWALK

200'

±125'

BRYANT AVE

CANAL SHORES GOLF COURSE

USE PINNED TEMPORARY CONCRETE BARRIER TO PREVENT ERRANT VEHICLES FROM EXITING THE ROADWAY. MAINTENANCE OF PINNED TEMPORARY CONCRETE BARRIER DURING WINTER SHUTDOWN IS THE RESPONSIBILITY OF THE CONTRACTOR.

W3-3(0)-48

SIGHT SCREEN (CHAIN LINK FENCE) 6' (64000110)

BEGIN PROPOSED TEMPORARY PEDESTRIAN RAILING (X0900081)

BEGIN PROPOSED CHAIN LINK FENCE, 4' (66400105) TO APARTMENT BUILDING SIDEWALK

MWRD PERMIT LIMITS

PR ROW

EX ROW

58.0' SHIFT TAPER

8.4' SHIFT TAPER

101+62.75

102+20.75

+49.84

+58.24

USE A 25' RADIUS FROM THE INTERSECTION

STRAIGHT AND RIGHT ARROW

DOUBLE YELLOW

STRAIGHT ARROW

WHITE

+23.93

+61.86

CENTRAL ST

EX ℄ CENTRAL ST

YELLOW

WHITE

200'

100'

20.5'

+52.00

101

102

103

104

105+00

106

10.0'

MATCH LINE – STATION 106+45.00

W1-3L(0)-48

R7-1

NO PARKING ANY TIME

W1-6L(0)-6030

MOUNTED OVER TYPE III BARRICADE

W6-3(0)-48

8:1 TAPER

NO LEFT TURN (R3-2)

W3-3(0)

MOUNTED OVER BARRICADE

WORK ZONE (TYP)

SIDEWALK CLOSED SIGN (R11-1102-2430)

SIDEWALK CLOSED USE OTHER SIDE

CHAIN LINK GATES, 6' X 24' DOUBLE (66408200)

20' x 50' STABILIZED CONSTRUCTION ENTRANCE (Z0013797)

MAINTAIN NORTH-SOUTH PEDESTRIAN TRAFFIC AND NORTH SHORES GOLF COURSE. USE DETECTABLE PEDESTRIAN BARRICADES FOR SIDEWALK CLOSURES.

MATERIALS STAGING AREA (SEE EROSION CONTROL PLANS FOR SURFACING DETAILS)

SIGHT SCREEN (CHAIN LINK FENCE) 6' (64000110)

NORTH SHORE CHANNEL

END WORK ZONE SPEED LIMIT G20-I103-6036

200' 200' 200' 500' 300' 200'

BEGIN TAPER

W20-I103(0)-48 ROAD CONSTRUCTION AHEAD

W12-I102(0)-48 9'-6"

W1-3L(0)-48

WORK ZONE SPEED LIMIT 25 PHOTO ENFORCED $250 FINE MINIMUM

W21-I115(0)-3618 R2-1-3648 R10-I108(0)-3618 R2-I106(0)-3618

W21-1(0)-48

ADVANCE SIGNS FOR EB TRAFFIC

0 20 40 60

SCALE IN FEET

MODEL: Default
FILE NAME: MOT Stage 1 - Sheet 1

USER NAME = 9695	DESIGNED - MB	REVISED -	
	DRAWN - MB	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - PAS	REVISED -	
PLOT DATE = 5/13/2020	DATE - 05-18-2020	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CENTRAL STREET BRIDGE
MOT STAGE 1

SCALE: 1"=20' | SHEET 3 OF 6 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1301	16-00278-00-BR	COOK	136	28
		CONTRACT NO. 61F92		
		ILLINOIS	FED. AID PROJECT	

PROPOSED WORK ZONE

PROPOSED TEMPORARY CONCRETE BARRIER

PROPOSED TEMPORARY TRAFFIC SIGNALS (SEE TEMPORARY TRAFFIC SIGNAL SHEETS)

PROPOSED TEMPORARY IMPACT ATTENUATOR (FULLY REDIRECTIVE, NARROW) TL2

PROPOSED SIGHT SCREEN (CHAIN LINK FENCE) 6' (64000110)

PROPOSED 42" TEMPORARY RAILING

DIRECTION OF TRAFFIC FLOW

PROPOSED DRUMS WITH EDGE LINE

PROPOSED TYPE III BARRICADE

PROPOSED SIGN

① PAVEMENT MARKING TAPE, TYPE IV - LETTERS AND SYMBOLS (70300900)

② PAVEMENT MARKING TAPE, TYPE IV 4" (70300904)

③ PAVEMENT MARKING TAPE, TYPE IV 6" (70300906)

④ PAVEMENT MARKING TAPE, TYPE IV 12" (70300912)

⑤ PAVEMENT MARKING TAPE, TYPE IV 24" (70300924)

WINTER MONTHS PAVEMENT MARKINGS TO UTILIZE:

MODIFIED URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS 78009000)

MODIFIED URETHANE PAVEMENT MARKING - LINE 4" (78009004)

MODIFIED URETHANE PAVEMENT MARKING - LINE 6" (78009006)

MODIFIED URETHANE PAVEMENT MARKING - LINE 12" (78009012)

MODIFIED URETHANE PAVEMENT MARKING - LINE 24" (78009024)

NOTE:
ALL PEDESTRIAN CROSSING AND FIRE STATION SIGNS SHALL BE MAINTAINED.
ALL SIDEWALK CLOSURES TO FOLLOW IDOT STANDARD 701801.

N

MATCH LINE – STATION 106+45.00

FIRE STATION

SIGHT SCREEN (CHAIN LINK FENCE) 6' (64000110)

MWRD PERMIT LIMITS

PR ROW

END TEMPORARY PEDESTRIAN RAILING (X0900081)

EX ROW

MAINTAIN ACCESS TO FIRE STATION

MAINTAIN ACCESS TO CTA

ROAD CONSTRUCTION AHEAD W20-I103(0)-48

200'

GIRARD AVE

DOUBLE YELLOW ②

YELLOW ④

③ SKIP DASH 2'-6'

SIDEWALK CLOSED SIGN (R11-I101-2418)

EX ℄ CENTRAL ST

CENTRAL ST

W1-3R(0)-48

206.0' SHIFT TAPER

R3-8

R4-7A KEEP RIGHT

W1-6R(0)-6030 MOUNTED OVER TYPE III BARRICADE

SIDEWALK CLOSED AHEAD (R11-I102-2430)

SIDEWALK CLOSED USE OTHER SIDE

20' x 50' STABILIZED CONSTRUCTION ENTRANCE (Z0013797)

EQUIPMENT STAGING AREA (SEE EROSION CONTROL PLANS FOR SURFACING DETAILS)

CANAL SHORES GOLF COURSE

MWRD PERMIT LIMITS

SIGHT SCREEN (CHAIN LINK FENCE) 6' (64000110)

150.0' TAPER

① STRAIGHT AND RIGHT ARROW

ADVANCE SIGNS FOR WB TRAFFIC

BEGIN TAPER

*W21-1(0)-48 — W21-I115(0)-3618 / R2-1-3648 / R10-I108(0)-3618 / R2-I106(0)-3618 — W1-3R(0)-48 — W12-I102(0)-48 — W20-I103(0)-48

200' 300' 200' 200' 200'

500'

G20-I103-6036 END WORK ZONE SPEED LIMIT

* THIS SIGN SHALL BE TAKEN DOWN WHEN WORKERS ARE NOT PRESENT

0 20 40 60
SCALE IN FEET

MODEL: Default
FILE NAME: MOT Stage 1 - Sheet 2

USER NAME = 9695	DESIGNED - MB	REVISED -	
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CENTRAL STREET BRIDGE
MOT STAGE 1

SCALE: 1"=20' | SHEET 4 OF 6 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1301	16-00278-00-BR	COOK	136	29
		CONTRACT NO. 61F92		
	ILLINOIS	FED. AID PROJECT		

PROPOSED WORK ZONE

PROPOSED TEMPORARY CONCRETE BARRIER

PROPOSED TEMPORARY TRAFFIC SIGNALS (SEE TEMPORARY TRAFFIC SIGNAL SHEETS)

PROPOSED TEMPORARY IMPACT ATTENUATOR (FULLY REDIRECTIVE, NARROW) TL2

PROPOSED SIGHT SCREEN (CHAIN LINK FENCE) 6' (64000110)

PROPOSED 42" TEMPORARY RAILING

DIRECTION OF TRAFFIC FLOW

PROPOSED DRUMS WITH EDGE LINE

PROPOSED TYPE III BARRICADE

PROPOSED SIGN

① PAVEMENT MARKING TAPE, TYPE IV - LETTERS AND SYMBOLS (70300900)

② PAVEMENT MARKING TAPE, TYPE IV 4" (70300904)

③ PAVEMENT MARKING TAPE, TYPE IV 6" (70300906)

④ PAVEMENT MARKING TAPE, TYPE IV 12" (70300912)

⑤ PAVEMENT MARKING TAPE, TYPE IV 24" (70300924)

WINTER MONTHS PAVEMENT MARKINGS TO UTILIZE:

MODIFIED URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS 78009000)

MODIFIED URETHANE PAVEMENT MARKING - LINE 4" (78009004)

MODIFIED URETHANE PAVEMENT MARKING - LINE 6" (78009006)

MODIFIED URETHANE PAVEMENT MARKING - LINE 12" (78009012)

MODIFIED URETHANE PAVEMENT MARKING - LINE 24" (78009024)

ROAD CONSTRUCTION AHEAD W20-I103(0)-48

NOTE:
ALL PEDESTRIAN CROSSING AND FIRE STATION SIGNS SHALL BE MAINTAINED.
ALL SIDEWALK CLOSURES TO FOLLOW IDOT STANDARD 701801.

N

USE PEDESTRIAN DET. BARRICADES

SIDEWALK CLOSED SIGN (R11-I102-2430)

SIDEWALK CLOSED USE OTHER SIDE

W1-3R(O)

USE PINNED TEMPORARY CONCRETE BARRIER TO PREVENT ERRANT VEHICLES FROM EXITING THE ROADWAY. MAINTENANCE OF PINNED TEMPORARY CONCRETE BARRIER DURING WINTER SHUTDOWN IS THE RESPONSIBILITY OF THE CONTRACTOR.

CONTINUE PROPOSED CHAIN LINK FENCE, 4' (66400105) TO APARTMENT BUILDING SIDEWALK

BRYANT AVE

CANAL SHORES GOLF COURSE

SIGHT SCREEN (CHAIN LINK FENCE) 6' (64000110)

BEGIN PROPOSED CHAIN LINK FENCE, 4' (66400105) TO APARTMENT BUILDING SIDEWALK

MWRD PERMIT LIMITS

PR ROW

EX ROW

CENTRAL ST

DOUBLE YELLOW ②

YELLOW ④

STRAIGHT ARROW ①

STRAIGHT AND RIGHT ARROW ①

TYP ④

8:1 MIN TAPER

101+57.50

142.5' TAPER

103+00.00

NO LEFT TURN (R3-2)

CHAIN LINK GATES, 6' X 24' DOUBLE (66408200)

20' x 50' STABILIZED CONSTRUCTION ENTRANCE (Z0013797)

MATERIALS STAGING AREA (SEE EROSION CONTROL PLANS FOR SURFACING DETAILS)

NORTH SHORE CHANNEL

MATCH LINE – STATION 106+45.00

0 20 40 60
SCALE IN FEET

END WORK ZONE SPEED LIMIT
G20-I103-6036

200' 200' 200' 500' 300' 200'

BEGIN TAPER

W20-I103(0)-48 ROAD CONSTRUCTION AHEAD

W12-I102(0)-48 9'-6"

W1-3R(0)-48

WORK ZONE W21-I115(0)-3618

SPEED LIMIT 25 R2-1-3648

PHOTO ENFORCED R10-I108(0)-3618

$250 FINE MINIMUM R2-I106(0)-3618

*W21-1(0)-48

ADVANCE SIGNS FOR EB TRAFFIC

* THIS SIGN SHALL BE TAKEN DOWN WHEN WORKERS ARE NOT PRESENT

MODEL: Default
FILE NAME: MOT Stage 2 - Sheet 1

USER NAME = 9695	DESIGNED - MB	REVISED -	
	DRAWN - MB	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - PAS	REVISED -	
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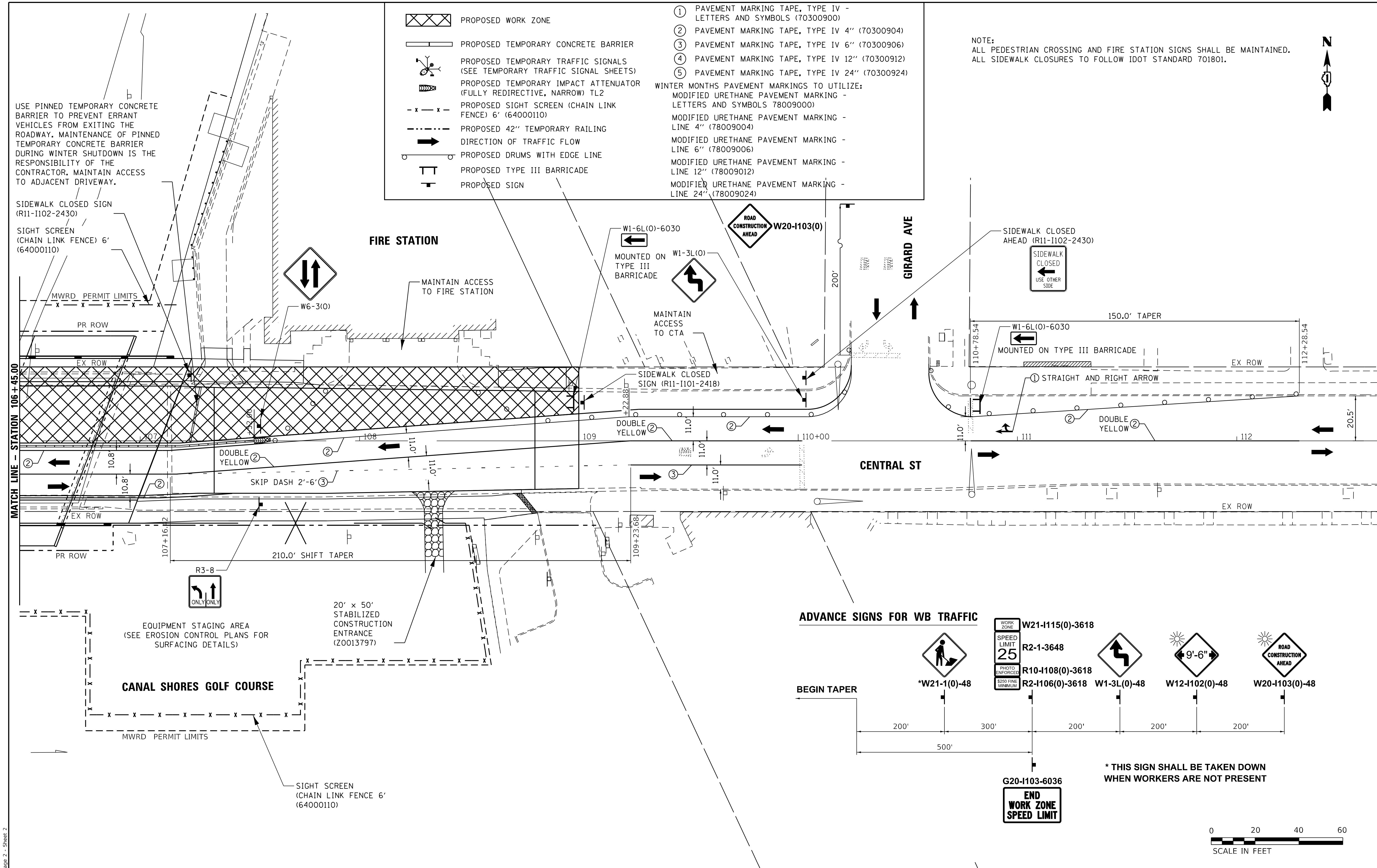
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CENTRAL STREET BRIDGE
MOT STAGE 2

SCALE: 1"=20' | SHEET 5 OF 6 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1301	16-00278-00-BR	COOK	136	30
		CONTRACT NO. 61F92		
	ILLINOIS FED. AID PROJECT			


PROPOSED WORK ZONE
PROPOSED TEMPORARY CONCRETE BARRIER
PROPOSED TEMPORARY TRAFFIC SIGNALS (SEE TEMPORARY TRAFFIC SIGNAL SHEETS)
PROPOSED TEMPORARY IMPACT ATTENUATOR (FULLY REDIRECTIVE, NARROW) TL2
PROPOSED SIGHT SCREEN (CHAIN LINK FENCE) 6' (64000110)
PROPOSED 42" TEMPORARY RAILING
DIRECTION OF TRAFFIC FLOW
PROPOSED DRUMS WITH EDGE LINE
PROPOSED TYPE III BARRICADE
PROPOSED SIGN
1 PAVEMENT MARKING TAPE, TYPE IV - LETTERS AND SYMBOLS (70300900)
2 PAVEMENT MARKING TAPE, TYPE IV 4" (70300904)
3 PAVEMENT MARKING TAPE, TYPE IV 6" (70300906)
4 PAVEMENT MARKING TAPE, TYPE IV 12" (70300912)
5 PAVEMENT MARKING TAPE, TYPE IV 24" (70300924)
WINTER MONTHS PAVEMENT MARKINGS TO UTILIZE:
MODIFIED URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS 78009000)
MODIFIED URETHANE PAVEMENT MARKING - LINE 4" (78009004)
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MODIFIED URETHANE PAVEMENT MARKING - LINE 12" (78009012)
MODIFIED URETHANE PAVEMENT MARKING - LINE 24" (78009024)
NOTE:
ALL PEDESTRIAN CROSSING AND FIRE STATION SIGNS SHALL BE MAINTAINED.
ALL SIDEWALK CLOSURES TO FOLLOW IDOT STANDARD 701801.
N
USE PINNED TEMPORARY CONCRETE BARRIER TO PREVENT ERRANT VEHICLES FROM EXITING THE ROADWAY. MAINTENANCE OF PINNED TEMPORARY CONCRETE BARRIER DURING WINTER SHUTDOWN IS THE RESPONSIBILITY OF THE CONTRACTOR. MAINTAIN ACCESS TO ADJACENT DRIVEWAY.
SIDEWALK CLOSED SIGN (R11-I102-2430)
SIGHT SCREEN (CHAIN LINK FENCE) 6' (64000110)
FIRE STATION
MAINTAIN ACCESS TO FIRE STATION
W6-3(0)
W1-6L(0)-6030
MOUNTED ON TYPE III BARRICADE
W1-3L(0)
ROAD CONSTRUCTION AHEAD
W20-I103(0)
MAINTAIN ACCESS TO CTA
200'
GIRARD AVE
SIDEWALK CLOSED AHEAD (R11-I102-2430)
SIDEWALK CLOSED
USE OTHER SIDE
150.0' TAPER
W1-6L(0)-6030
MOUNTED ON TYPE III BARRICADE
110+78.54
112+28.54
MWRD PERMIT LIMITS
PR ROW
EX ROW
MATCH LINE - STATION 106+45.00
SIDEWALK CLOSED SIGN (R11-I101-2418)
1 STRAIGHT AND RIGHT ARROW
+22.88
+22.00
107
108
109
110+00
111
112
DOUBLE YELLOW
DOUBLE YELLOW
DOUBLE YELLOW
SKIP DASH 2'-6'
10.8'
10.8'
11.0'
11.0'
11.0'
11.0'
11.0'
20.5'
CENTRAL ST
EX ROW
EX ROW
PR ROW
107+16.12
109+23.68
210.0' SHIFT TAPER
R3-8
ONLY ONLY
20' × 50' STABILIZED CONSTRUCTION ENTRANCE (Z0013797)
EQUIPMENT STAGING AREA (SEE EROSION CONTROL PLANS FOR SURFACING DETAILS)
CANAL SHORES GOLF COURSE
MWRD PERMIT LIMITS
SIGHT SCREEN (CHAIN LINK FENCE 6' (64000110)
ADVANCE SIGNS FOR WB TRAFFIC
WORK ZONE
W21-I115(0)-3618
SPEED LIMIT 25
R2-1-3648
PHOTO ENFORCED
R10-I108(0)-3618
$250 FINE MINIMUM
R2-I106(0)-3618
*W21-1(0)-48
W1-3L(0)-48
9'-6"
W12-I102(0)-48
ROAD CONSTRUCTION AHEAD
W20-I103(0)-48
BEGIN TAPER
200'
300'
200'
200'
200'
500'
G20-I103-6036
END WORK ZONE SPEED LIMIT
* THIS SIGN SHALL BE TAKEN DOWN WHEN WORKERS ARE NOT PRESENT
0 20 40 60
SCALE IN FEET

MODEL: Default
FILE NAME: MOT Stage 2 - Sheet 2

USER NAME = 9695	DESIGNED - MB	REVISED -
	DRAWN - MB	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - PAS	REVISED -
PLOT DATE = 5/13/2020	DATE - 05-18-2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CENTRAL STREET BRIDGE
MOT STAGE 2

SCALE: 1"=20' | SHEET 6 OF 6 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1301	16-00278-00-BR	COOK	136	31

CONTRACT NO. 61F92
ILLINOIS | FED. AID PROJECT

EROSION CONTROL NOTES

1. ALL SEDIMENT AND EROSION CONTROL MEASURES WILL BE INSTALLED PER IDOT STANDARD 280001 OR AS SPECIFIED HEREIN AND PAID FOR IN ACCORDANCE WITH SECTION 280 OF THE STANDARD SPECIFICATIONS. ALL CONSTRUCTION ACTIVITIES WILL BE IN ACCORDANCE WITH THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM STORM WATER PERMITS ILR10 AND ILR40.

2. EROSION CONTROL SHALL BE PROVIDED IN ACCORDANCE WITH THE SEQUENCE OF STAGE CONSTRUCTION. THE CONTRACTOR SHALL SUMBIT A DETAILED SCHEDULE FOR APPROVAL.

3. SEDIMENT AND EROSION CONTROL DEVICES SHALL BE FUNCTIONAL BEFORE THE PROJECT SITE IS OTHERWISE DISTURBED.

4. ALL DISTURBED AREAS SHALL BE SEEDED OR SODDED AS SOON AS PRACTICAL AFTER CONSTRUCTION ACTIVITIES IN THAT AREA HAVE CONCLUDED. ALL ERODABLE/BARE AREAS SHALL BE SEEDED EVERY 7 DAYS WITH TEMPORARY EROSION CONTROL SEEDING. IF A TOPSOIL STOCKPILE IS TO REMAIN IN PLACE FOR MORE THAN THREE DAYS, EROSION CONTROL MEASURES WILL BE PROVIDED.

5. WHERE WETLANDS ARE TO REMAIN, THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS TO PROTECT WETLANDS FROM DAMAGE BY SEDIMENT, CONSTRUCTION EQUIPMENT AND WORK CREWS. THE CONTRACTOR SHALL ASSURE THAT DEBRIS OR ANY CONSTRUCTION MATERIAL IS NOT DISPOSED OF OR STOCKPILED IN WETLANDS.

6. STOCKPILES AND MATERIAL STORAGE ARE PROHIBITED IN SPECIAL MANAGEMENT AREAS INCLUDING WETLANDS, WETLAND BUFFERS, AND FLOOD PLAINS. LOCATIONS OF STOCKPILES MUST BE APPROVED BY THE ENGINEER AND HAVE PROPER EROSION CONTROL MEASURES.

7. RECEPTABLES FOR CONSTRUCTION DEBRIS, INCLUDING CONCRETE TRUCK WASHOUT WASTE, SHALL BE PROVIDED AND MAINTAINED BY THE CONTRACTOR. THESE WILL NOT BE ALLOWED IN SPECIAL MANAGEMENT AREAS. RECEPTABLES AND THEIR LOCATIONS MUST BE APPROVED BY THE ENGINEER AND HAVE PROPER EROSION CONTROL MEAUSRES. THIS WORK WILL NOT BE PAID FOR SEPERATELY, BUT SHALL BE INCLUDED IN THE APPLICABLE ITEMS OF WORK

8. HAY OR STRAW BALES WILL NOT BE ALLOWED AS PERIMETER EROSION BARRIER OR AS A DITCH CHECK.

9. WATER PUMPED OR OTHERWISE DISCHARGED FROM THE SITE DURING CONSTRUCTION DEWATERING SHALL BE FILTERED.

10. WHEN TEMPORARY DRAINAGE IS ESTABLISHED, EROSION CONTROL MEASURES MAY BE REQUIRED BY THE ENGINEER.

11. GRAVEL ROADS, ACCESS DRIVES, PARKING AREAS OF SUFFICIENT WIDTH AND LENGTH, AND VEHICLE WASH DOWN FACILITIES IF NECESSARY, SHALL BE PROVIDED TO PREVENT SOIL FROM BEING TRACKED ONTO PUBLIC OR PRIVATE ROADWAYS. ANY SOIL REACHING A PUBLIC OR PRIVATE ROADWAY SHALL BE REMOVED BEFORE THE END OF EACH WORKDAY AND AS NEEDED.

12. CLEANING OF VEHICLES AND EQUIPMENT, INCLUDING CONCRETE MIXERS, SHALL BE PERFORMED IN A MANNER TO REDUCE THE AMOUNT OF POLLUTANTS TRIBUTARY TO STORM SEWERS AND OPEN WATERS TO THE MAXIMUM EXTENT PRACTICAL.

13. ALL NECESSARY MEASURES SHALL BE TAKEN TO CONTAIN ANY FUEL OR POLLUTION RUNOFF. LEAKING EQUIPMENT OR SUPPLIES SHALL BE IMMEDIATELY REPAIRED OR REMOVED FROM THE SITE.

14. SEDIMENT COLLECTED DURING CONSTRUCTION BY THE VARIOUS TEMPORARY EROSION CONTROL SYSTEMS SHALL BE DISPOSED OF ON A REGULAR BASIS. SEDIMENT SHALL BE REMOVED FROM EROSION CONTROL SYSTEMS WHEN THE HEIGHT OF THE SEDIMENT EXCEEDS ONE-HALF OF THE HEIGHT OF THE FILTER DEVICE.

15. ALL EROSION CONTROL MEASURES SHALL BE KEPT OPERATIONAL AND MAINTAINED CONTINUOUSLY THROUGHOUT THE PERIOD OF LAND DISTURBANCE UNTIL PERMANENT SEDIMENT AND EROSION CONTROL MEASURES ARE OPERATIONAL.

16. ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL STABILIZATION IS ACHIEVED.

17. THE ENGINEER SHALL INSPECT EROSION CONTROL MEASURES PERIODICALLY AND WITHIN 24 HOURS OF ANY STORM EXCEEDING 1/2 INCH PRECIPITATION. DAMAGED AND INEFFECTIVE EROSION CONTROL MEASURES SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR WITHIN 24 HOURS. EROSION CONTROL SYSTEMS REPLACED DUE TO SEDIMENT LOADING WILL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR THE APPLICABLE EROSION CONTROL ITEM.

18. THE COST OF REMOVING SEDIMENT OR REPAIRING EROSION CONTROL SYSTEMS SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR THE APPLICABLE EROSION CONTROL ITEM.

19. ALL ESC MEASURES WILL BE MAINTAINED IN ACCORDANCE WITH THE IDOT EROSION AND SEDIMENT CONTROL FIELD GUIDE FOR CONSTRCUTION INSPECTION AND IDOT'S BEST MANAGEMENT PRACTICES - MAINTENANCE GUIDE: (http://www.idot.illinois.gov/transportation-system/environment/erosion-and-sediment-control)

20. THE CONTRACTOR WILL ASSUME RESPONSIBILITY FOR MAINTENANCE OF ALL SOIL EROSION CONTROL DURING CONSTRUCTION.

21. THE CONTRACTOR SHALL CHECK ALL ESC MEASURES WEEKLY AND AFTER EACH RAINFALL, 0.5 INCHES OR GREATER IN A 24 HOUR PERIOD, OR EQUIVALENT SNOWFALL. ADDITIONALLY DURING WINTER MONTHS, ALL MEASURES SHOULD BE CHECKED BY THE CONTRACTOR AFTER EACH SIGNIFICANT SNOWFALL.

22. THE CONTRACTOR SHOULD PROVIDE TO THE RE A PLAN TO ENSURE THAT A STABILIZED FLOW LINE WILL BE PROVIDED DURING STORM SEWER CONSTRUCTION. THE USE OF A STABILIZED FLOW LINE BETWEEN INSTALLED STORM SEWER AND OPEN DISTURBANCE WILL REDUCE THE POTENTIAL FOR THE OFFSITE DISCHARGE OF SEDIMENT-BEARING WATERS, ESPECIALLY WHEN RAIN IS FORECASTED, SO THAT FLOW WILL NOT ERODE. LACK OF APPROVED PLAN OR FAILURE TO COMPLY WILL RESULT IN AN ESC DEFICIENCY DEDUCTION.

23. ANY LOOSE MATERIAL DEPOSITED IN THE FLOW LINE OF DRAINAGE STRCUTURES, WHICH OBSTRUCTS THE NATURAL FLOW OF WATER, SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. PRIOR TO ACCEPTANCE OF THE IMPROVEMENT, ALL DRAINAGE STRCUTURES SHALL BE FREE OF DIRT AND DEBRIS. THIS WORK WILL NOT BE PAID FOR SEPERATELY BUT SHALL BE CONSIDERED AS INCIDENTAL.

24. TEMPORARY OR PERMANENT STABILIZATION SHALL BE INITIATED IMMEDIATELY UPON COMPLETION OF DISTURBANCE OR IF THE WORK AREA IS TO BE LEFT UNDISTURBED FOR 14 DAYS OR MORE.

25. UNDER NO CIRCUMSTANCES PROLONG FINAL GRADING AND SHAPING SO THAT THE ENTIRE PROJECT CAN BE PERMANENTLY SEEDED AT ONE TIME.

26. EROSION CONTROL ITEMS ARE CONSIDERED TO BE HIGH PRIORIY ITEMS ON THIS CONTRACT. THE ENGINEER WILL IMPLEMENT ALL PROVISIONS OF THE SPECIFICATIONS NECESSARY TO ASSURE THAT EROSION CONTROL ITEMS ARE CONSTRUCTED AND MAINTAINED IN A TIMELY WAY. ALL EROSION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO BEGINNING ANY CONSTRUCTION ACTIVITIES WHICH WILL POTENTIALLY CREATE ERODIBLE CONDITIONS.

27. THE ENGINEER WILL IMPLEMENT ALL PROVISIONS OF THE SPECIFICATION NECESSARY TO ASSURE THAT EROSION CONTROL ITEMS ARE CONSTRUCTED AND MAINTAINED IN A TIMELY WAY. ALL EROSION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO BEGINNING ANY CONSTRUCTION ACTIVITIES WHICH WILL POTENTIALLY CREATE ERODABLE CONDITIONS.

28. THIS PROJECT REQUIRES A US ARMY CORPS OF ENGINEERS (USACE) 404 PERMIT THAT WILL BE SECURED BY THE DEPARTMENT. ALL CONDITIONS OF THE 404 PERMIT, FOUND IN THE SPECIAL PROVISIONS, MUST BE FOLLOWED. AS A CONDITION OF THIS PERMIT, THE CONTRACTOR WILL NEED TO SUBMIT AN IN- STREAM WORK PLAN (INCLUDING WORK WITHIN WETLANDS) TO THE DEPARTMENT FOR APPROVAL. GUIDELINES ON ACCEPTABLE IN- STREAM WORK PLAN (INCLUDING WORK WITHIN WETLANDS) CAN BE FOUND ON THE USACE WEBSITE. THE USACE DEFINES AND DETERMINES IN- STREAM WORK. THE COST OF ALL MATERIALS AND LABOR NECESSARY TO COMPLY WITH THE ABOVE PROVISIONS TO PREPARE AND IMPLEMENT AN IN- STREAM WORK PLAN (INCLUDING WORK WITHIN WETLANDS) WILL NOT BE PAID FOR SEPARATELY , BUT SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

29. "WETLANDS NO INTRUSION" SIGNAGE SHOULD ALSO BE PROVIDED AT THE BOUNDARY OF ALL UN-IMPACTED WETLANDS AND/OR WOUS. INCLUDE TEMPORARY FENCING AND WETLAND SIGNAGE WITHIN THE EROSION AND SEDIMENT CONTROL STRATEGY.

30. THE CONTRACTOR SHALL ATTACH AN ALUMINUM SIGN WITH THE FOLLOWING TEXT: PROTECTED WETLAND - NO INTRUSION. THE SIGN(S) SHALL BE ATTACHED TO THE STAKES BY A METHOD APPROVED BY THE ENGINEER. THE SIGN(S) WILL BE PROVIDED BY THE DEPARTMENT AND SHALL BE PICKED UP BY THE CONTRACTOR FROM THE DISTRICT ONE ROADSIDE DEVELOPMENT ARCHITECT IN SCHAUMBURG, ILLINOIS. SCHEDULING THE PICKUP OF THE SIGNS CAN BE ARRANGED BY CONTACTING THE DISTRICT ONE ROADSIDE DEVELOPMENT UNIT AT 847.705.4171. WHEN WORK HAS BEEN COMPLETED, THE SIGN(S) SHALL BE RETURNED TO THE DISTRICT ONE ROADSIDE DEVELOPMENT UNIT. THE COST OF PICKING UP, ATTACHING THE SIGNS TO THE TEMPORARY FENCE STAKES AND RETURNING THE SIGNS WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR TEMPORARY FENCE.

31. THE CONTRACTOR SHALL ENSURE THAT NO CONSTRUCTION ACTIVITY, STORING, OR PARKING OF EQUIPMENT OR VEHICLES OCCURS BEYOND THE PERIMETER EROSION CONTROL BARRIER AND/OR LIMITS OF CONSTRUCTIONS.

32. THE CONSTRUCTION LIMIT WILL BE STAKED/APPROVED BY THE ENGINEER TO PRESERVE TREES AND NO ADDITIONAL COMPENSATION WILL BE PAID TO THE CONTRACTOR FOR CHANGES TO THE CONSTRUCTION LIMITS.

33. EXISTING GROUND COVER SHALL REMAIN ANY AREA WHERE THERE IS NO PROPOSED GRADING.

EROSION CONTROL STANDARD DETAILS
280001-07-TEMPORARY EROSION CONTROL SYSTEMS

EROSION CONTROL SPECIAL NOTES

1. WATERWAY WITHIN THE PROJECT LIMITS HAS BEEN MARKED AS A HABITAT FOR BANDED KILLIFISH (FUNDULUS DIAPHANUS). NO CONSTRUCTION ACTIVIITIES WHICH LEAD TO EROSION OR DEBRIS AND NO INSTREAM WORK IN THE WATERWAY ARE PERMITTED BETWEEN MAY 1ST AND JULY 15TH.

2. PERIMETER EROSION BARRIER, SPECIAL WILL BE INSTALLED AS SHOWN ON THE PLANS BETWEEN MAY 1ST AND JULY 15TH.

EROSION CONTROL CONSTRUCTION SEQUENCE

PRIOR TO CLEANING AND GRADING

1.INSTALL PERIMETER SILT FENCE AT LOCATIONS SHOWN ON EROSION CONTROL PLANS. BEGIN CLEARING OPERATIONS ONLY AFTER INSTALLATION OF EROSION CONTROL MEASURES.
2.INSTALL CULVERT INLET PROTECTION IN ALL AREAS OUTLINED ON THE PLANS.
3.INSTALL INLET PROTECTION IN ALL CATCH BASINS IN PAVED AREAS AS SHOWN ON THE EROSION CONTROL PLANS OR AS DIRECTED BY ENGINEER.
4.INSTALL RECTANGULAR INLET PROTECTION AROUND ALL CATCH BASINS IN UNPAVED AREAS AS SHOWN ON THE EROSION CONTROL PLANS.
5.CONTRACTOR SHALL DESIGNATE AND INSTALL CONCRETE TRUCK WASHOUT AREA, SUBJECT TO APPROVAL BY THE ENGINEER.

DURING CONSTRUCTION OF DETENTION POND AND MASS GRADING

1.INSTALL TEMPORARY DITCH CHECKS AT LOCATIONS SHOWN ON EROSION CONTROL PLANS OR AS DIRECTED BY THE ENGINEER.
2.TEMPORARY STABILIZATION WITH STRAW MULCH SHALL BE IMPLEMENTED AFTER THE INITIAL PERIMETER CONTROLS ARE IN PLACE AND CONCURRENTLY WITH THE CONTRACTOR'S DAILY OPERATION AS DIRECTED BY THE ENGINEER.

POST GRADING

1.AT THE END OF CONSTRUCTION, PROVIDE PERMANENT SEED WITH EROSION CONTROL BLANKET FOR FINAL STABILIZATION.
2.REMOVE ALL TEMPORARY EROSION CONTROL MEASURES BEFORE LANDSCAPING OPERATIONS.

MEASURES TO BE USED AS NEEDED

1.DUST SUPPRESSION AGENTS SHALL BE APPLIED TO CONTROL THE DUST RESULTING FROM CONSTRUCTION OPERATIONS AND AS DIRECTED BY THE ENGINEER.
2.STREET CLEANING AND SWEEPING SHALL BE PERFORMED ON EACH WORKDAY AS REQUIRED AND DIRECTED BY THE ENGINEER.

EROSION CONTROL INSTREAM WORK NOTES

1.ALL WETLANDS, WATERS OF THE U.S. AND OPEN WATER DETENTION FACILITIES ARE SUBJECT TO THE REVIEW AND APPROVAL BY RESOURCE AND REGULATORY AGENCIES. THOSE AGENCIES INCLUDE BUT ARE NOT LIMITED TO THE USACE, THE ILLINOIS DEPARTMENT OF NATURAL RESOURCES, THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY, AND THE COUNTY SOIL AND WATER CONSERVATION DISTRICTS.

2.WETLANDS/WOUS AREAS OUTSIDE OF THE WORK ZONE ARE TO BE AVOIDED. IF THE CONTRACTOR SHOULD ENCROACH UPON ANY WETLAND/WOUS AREA THAT IS NOT WITHIN THE CONSTRUCTION LIMITS AND/OR PERMITTED FOR IMPACT THROUGH THE USACE, THE CONTRACTOR IS SUBJECT TO FINES. CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY OF ANY WETLAND IMPACTS OUTSIDE OF THE WORK ZONE. IMPACTED AREAS SHALL BE REPAIRED IMMEDIATELY BY THE CONTACTOR IN COORDINATION WITH AND TO THE SATISFACTION OF THE USACE.

3.NO WORK IN FLOWING WATER. NO WORK SHALL BE PERFORMED IN FLOWING WATER. WORK IN AND NEAR CRITICAL AREAS SHALL BE ISOLATED FROM CONCENTRATED FLOWS OR STREAM FLOW. ONCE WORK IN THE AREA BEGINS, PRIORITY SHALL BE GIVEN TO COMPLETION OF THE WORK AND FINAL STABILIZATION OF ALL DISTURBED AREAS.

4.ISOLATED WORK AREA.ALL DISTURBED AREAS AND WORK AREAS MUST BE ISOLATED FROM WATERWAY FLOWS AT ALL TIMES THE DIVERSION/ISOLATION OF FLOW MUST BE CONSTRUCTED FROM NON-ERODIBLE MATERIALS. THE USACE MUST BE IN AGREEMENT WITH THE OVERALL METHODS OF DIVERSION/ISOLATION PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.

5.IF BYPASS PUMPING IS NECESSARY, THE INLET OF THE PUMP SHALL BE PLACED IN A SUMP PIT AND THE OUTLET PLACED ON A NON-ERODIBLE ENERGY DISSIPATING SURFACE PRIOR TO REJOINING THE WATERWAY FLOW OR WETLAND. FILTERING OF BY-PASS WATER IS NOT REQUIRED UNLESS THE BYPASS WATER HAS BECOME SEDIMENT-LADEN AS A RESULT OF CONSTRUCTION ACTIVITIES.

6.IF DEWATERING THE CONSTRUCTION AREA IS NECESSARY, ALL WATER REMOVED FROM THE WORK AREA SHALL BE FILTERED USING FILTER BAGS OR AN ALTERNATE APPROVED MEASURE. WATER MUST HAVE SEDIMENT REMOVED BEFORE BEING ALLOWED TO RETURN TO THE SOURCE CREEK/STREAM/RIVER/WETLAND. DISCHARGE FROM DEWATERING SHALL BE TO A STABLE SURFACE THAT EXTENDS TO THE POINT WHERE WATER RE-ENTERS THE WATERWAY. DISCHARGED WATER SHALL BE NO MORE TURBID THAN THE RECEIVING WATER. DISCHARGE SHALL BE IMMEDIATELY STOPPED IF RECEIVING WATERS SHOW EVIDENCE OF CLOUDY WATER, EROSION, OR SEDIMENT ACCUMULATION.

MODEL: Default
FILE NAME: Erosion Control Plan Notes

USER NAME = 9695	DESIGNED - MB	REVISED -
	DRAWN - MB	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - PAS	REVISED -
PLOT DATE = 5/13/2020	DATE - 05-18-2020	REVISED -

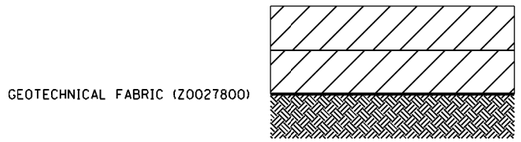
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CENTRAL STREET BRIDGE
EROSION CONTROL GENERAL NOTES

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1301	16-00278-00-BR	COOK	136	32
		CONTRACT NO. 61F92		
	ILLINOIS	FED. AID PROJECT		

STAGING AREA SURFACING DETAIL



LEGEND

- PERIMETER EROSION BARRIER W/ TEMPORARY FENCE (28000400)
- PERIMETER EROSION BARRIER, SPECIAL (X2800400)
- INLET FILTERS (28000510)
- TEMPORARY EROSION CONTROL SEEDING (28000250)

N

BRYANT AVE.

CANAL SHORES GOLF COURSE

PERIMETER EROSION BARRIER W/ TEMPORARY FENCE (28000400)

105+58.99
62.00' LT

SHORELINE

EXISTING WETLAND BOUNDARY

MWRD PERMIT LIMITS

TE

PR ROW

EX ROW

101 102 103 104 105+00 106

EX ℄ CENTRAL ST

MATCH LINE – STATION 106+45.00

EXISTING WETLAND BOUNDARY

SHORELINE

SHORELINE

TE

MWRD PERMIT LIMITS

105+04.89
78.00' RT

PERIMETER EROSION BARRIER, SPECIAL (X2800400)
ABOVE ELEV. 586.59
(SEE NOTE ON EROSION CONTROL SPECIAL NOTES)

SEE DETAIL FOR STAGING AREA SURFACING

PERIMETER EROSION BARRIER
W/ TEMPORARY FENCE (28000400)

NORTH SHORE CHANNEL

0 20 40 60
SCALE IN FEET

MODEL: Default
FILE NAME: pw:\\SCI-PWINTEG-2.stantecgroup.com:Datasource-1\Documents\City of Evanston\267682 02 - Central Street Phase II\11-CADD\CADD Sheets\Stage 1 Erosion Control Plan 1 of 2

USER NAME = 9695	DESIGNED - MB	REVISED -	
	DRAWN - MB	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - PAS	REVISED -	
PLOT DATE = 5/14/2020	DATE - 05-18-2020	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CENTRAL STREET BRIDGE
EROSION CONTROL PLAN STAGE 1

SCALE: 1"=20' | SHEET 2 OF 5 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1301	16-00278-00-BR	COOK	136	33
		CONTRACT NO. 61F92		
	ILLINOIS	FED. AID PROJECT		

N

LEGEND

- PERIMETER EROSION BARRIER W/ TEMPORARY FENCE (28000400)
- PERIMETER EROSION BARRIER, SPECIAL (X2800400)
- INLET FILTERS (28000510)
- TEMPORARY EROSION CONTROL SEEDING (28000250)

PERIMETER EROSION BARRIER W/ TEMPORARY FENCE (28000400)

EXISTING WETLAND BOUNDARY

SHORELINE

106+99.02
61.75' LT
TE

FIRE STATION

EX ROW

GIRARD AVE.

PERIMETER EROSION BARRIER, SPECIAL (X2800400) ABOVE ELEV. 586.59 (SEE NOTE ON EROSION CONTROL SPECIAL NOTES)

MATCH LINE – STATION 106+45.00

107 | 108 | 109 | 110+00 | 111 | 112

CENTRAL STREET

PR ROW

C.T.A.

106+46.09
75.20' RT

CANAL SHORES GOLF COURSE

TE

TE

PERIMETER EROSION BARRIER, SPECIAL (X2800400) ABOVE ELEV. 586.59 (SEE NOTE ON EROSION CONTROL SPECIAL NOTES)

PERIMETER EROSION BARRIER W/ TEMPORARY FENCE (28000400)

SEE DETAIL FOR STAGING AREA SURFACING

GEOTECHNICAL FABRIC (Z0027800)

STAGING AREA SURFACING DETAIL

SUBBASE GRANULAR MATERIAL, TYPE C 4" (31102100) (CA-7 ONLY, NO RAP ALLOWED)

SUBBASE GRANULAR MATERIAL, TYPE B 6" (31101400) (CA-6 ONLY, NO RAP ALLOWED)

EXISTING GRADE

0 20 40 60
SCALE IN FEET

MODEL: Default
FILE NAME: pw:\SCI-PWINTEG-2.stanleygroup.com:Datasource-1\Documents\City of Evanston\26768.02 - Central Street Phase I\b11-CADD\CADD Sheets\Stage 1 Erosion Control Plan 2 of 2

USER NAME = 9695	DESIGNED - MB	REVISED -	
	DRAWN - MB	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - PAS	REVISED -	
PLOT DATE = 5/14/2020	DATE - 05-18-2020	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

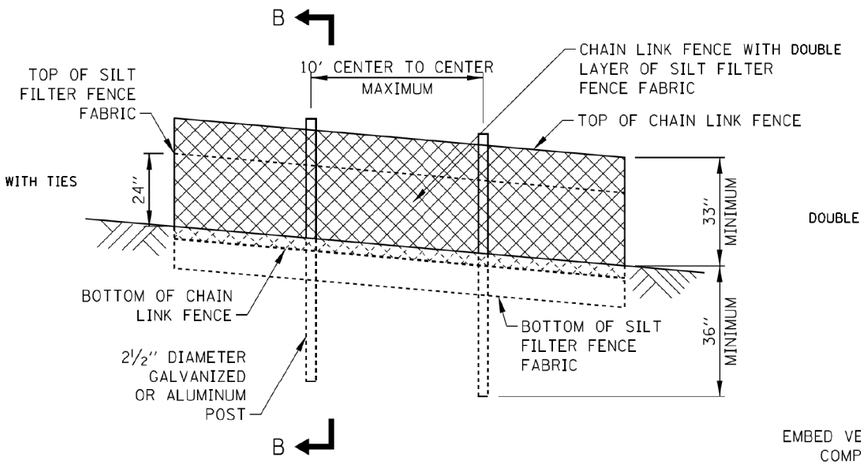
CENTRAL STREET BRIDGE
EROSION CONTROL PLAN STAGE 1

SCALE: 1"=20' | SHEET 3 OF 5 SHEETS | STA. | TO STA.

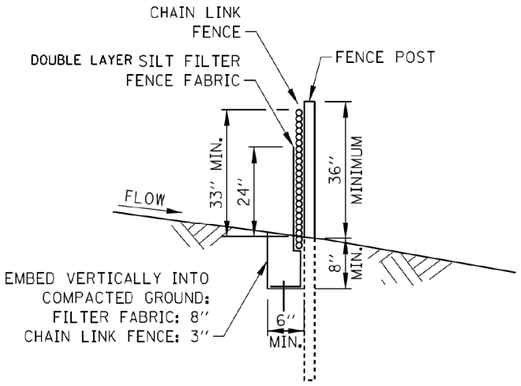
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1301	16-00278-00-BR	COOK	136	34
		CONTRACT NO. 61F92		
		ILLINOIS	FED. AID PROJECT	

NOTES:

1. FENCING SHALL BE 36" IN HEIGHT AND CONSTRUCTED IN ACCORDANCE WITH THE ILLINOIS TOLLWAY STANDARD DRAWING D1. RIGHT-OF-WAY FENCE, TYPE 1. THE SPECIFICATION FOR A 6' FENCE SHALL BE USED, SUBSTITUTING 36" FABRIC AND 6' LENGTH POSTS.
2. CHAIN LINK FENCE SHALL BE FASTENED SECURELY TO THE FENCE POSTS WITH WIRE TIES. THE LOWER TENSION WIRE, BRACE AND TRUSS RODS, DRIVE ANCHORS AND POST CAPS ARE NOT REQUIRED.
3. DOUBLE LAYER SILT FILTER FENCE FABRIC SHALL BE FASTENED SECURELY TO THE CHAIN LINK FENCE WITH TIES SPACED EVERY 24" AT THE TOP AND MID SECTION.
4. WHEN TWO SECTIONS OF SILT FILTER FENCE FABRIC ADJOIN EACH OTHER, THEY SHALL BE OVERLAPPED 2' HORIZONTALLY.
5. MAINTENANCE SHALL BE PERFORMED AS NEEDED. SILT BUILD-UP AGAINST FENCE SHALL BE REMOVED WHEN SILT REACHES 50% OF THE FENCE HEIGHT.
6. PERIMETER EROSION BARRIER, SPECIAL IS TO BE USED TO PROTECT ENVRIONMENTALLY SENSITIVE AREAS AND CONTROL SEDIMENT RUNOFF FROM CONSTRUCTION SITES WHEN ADDITIONAL REINFORCEMENT IS REQUIRED DUE TO SLOPE OF SITE OR VOLUME OF STORM WATER RUNOFF.



ELEVATION



SECTION B-B

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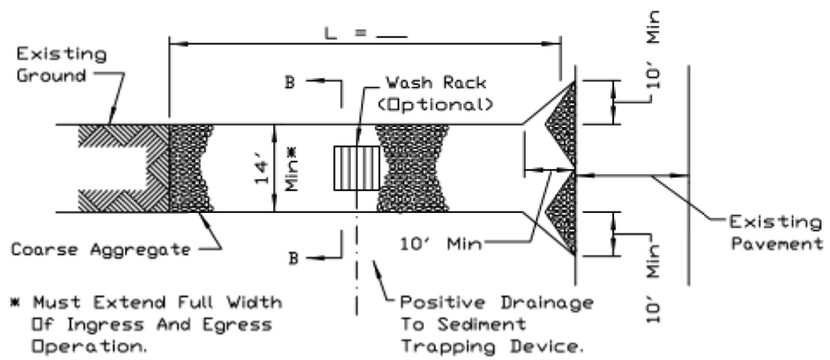
USER NAME = 9695	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
	DRAWN - MB	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - PAS	REVISED -	
PLOT DATE = 5/14/2020	DATE - 05-18-2020	REVISED -	

CENTRAL STREET BRIDGE
PERIMETER EROSION BARRIER, SPECIAL DETAIL

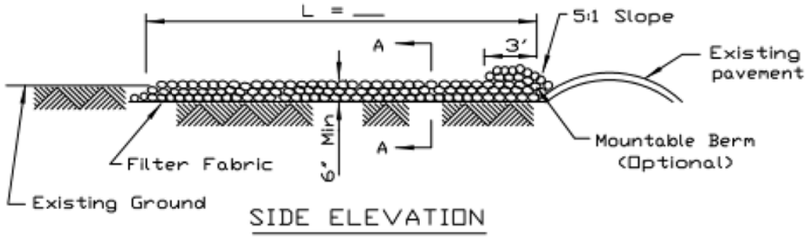
SCALE: | SHEET 4 OF 5 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1301	16-00278-00-BR	COOK	136	35
		CONTRACT NO. 61F92		
	ILLINOIS	FED. AID PROJECT		

STABILIZED CONSTRUCTION ENTRANCE PLAN



PLAN VIEW



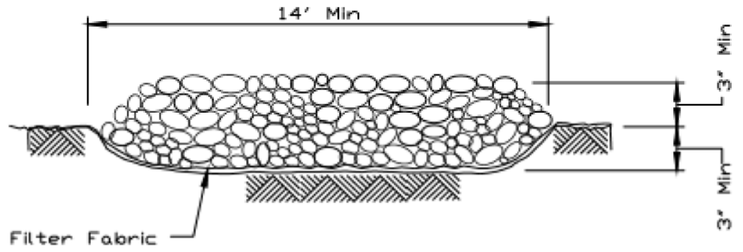
SIDE ELEVATION

NOTES:

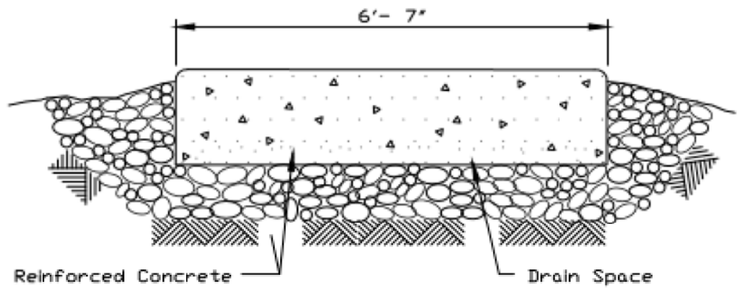
1. Filter fabric shall meet the requirements of material specification 592 GEOTEXTILE, Table I or 2, Class I, II or IV and shall be placed over the cleared area prior to the placing of rock.
2. Rock or reclaimed concrete shall meet one of the following IDOT coarse aggregate gradation, CA-1, CA-2, CA-3 or CA-4 and be placed according to construction specification 25 ROCKFILL using placement Method 1 and Class III compaction.
3. Any drainage facilities required because of washing shall be constructed according to manufacturers specifications.
4. If wash racks are used they shall be installed according to the manufacturer's specifications.

REFERENCE	NRCS	STANDARD DWG. NO.
Project ____	Natural Resources Conservation Service	IL-630
Designed ____ Date ____		SHEET 1 OF 2
Checked ____ Date ____		DATE 8-18-94
Approved ____ Date ____		

STABILIZED CONSTRUCTION ENTRANCE PLAN



SECTION A-A



SECTION B-B

REFERENCE	NRCS	STANDARD DWG. NO.
Project ____	Natural Resources Conservation Service	IL-630
Designed ____ Date ____		SHEET 2 OF 2
Checked ____ Date ____		DATE 8-18-94
Approved ____ Date ____		

MODEL: Default
FILE NAME: Construction Entrance Exhibit

USER NAME = 9695	DESIGNED -	REVISED -
	DRAWN - CEG	REVISED -
PLOT SCALE = 2.0000 ' / in.	CHECKED - PAS	REVISED -
PLOT DATE = 5/13/2020	DATE - 05-18-2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CENTRAL STREET BRIDGE
STABILIZED CONSTRUCTION ENTRANCE DETAIL

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1301	16-00278-00-BR	COOK	136	36
		CONTRACT NO. 61F92		
	ILLINOIS FED. AID PROJECT			

NOTE:
WATERTIGHT CONNECTORS CONFORMING TO ASTM STANDARDS C-923 SHALL BE USED WHEN PROPOSED PIPES ARE CONNECTING TO EXISTING SANITARY AND COMBINED MANHOLES.

PROP CATCH BASINS TO BE ADJUSTED WITH NEW FRAMES AND GRATES, TYPE 22

DRAINAGE STRUCTURE LINING (X1200048)

CATCH BASIN 1876
CITY OF EVANSTON
RIM=600.52
EX INV=596.45 10" DIP (E)
EX INV=595.28 18" VCP (NW)
PROP INV=595.50 15" (S)
PROP CATCH BASINS TO BE ADJUSTED WITH NEW TYPE 1 FRAME, OPEN LID (ADA) (60250400)

CANAL SHORES GOLF COURSE

COMBINATION MH 1887
CITY OF EVANSTON
RIM=602.67
INV=595.83 12" RCP (NE)
INV=592.67 15" RCP (E)
INV=592.63 18" RCP (SW)
BOT=592.63

COMBO MH 2209
CITY OF EVANSTON
RIM=602.87
INV=592.80 15" VCP (E)
INV=591.96 10" VCP (S)
BOT=591.96

FIRE STATION

N

COMBINATION MH 1781
CITY OF EVANSTON
RIM=600.84
INV=596.56 12" VCP (SE)
INV=594.12 15" VCP (E)
INV=593.24 12" VCP (N)
INV=592.23 20" RCP (W)
BOT=592.23

BRYANT AVE

PROP CATCH BASINS TO BE ADJUSTED WITH NEW FRAMES AND GRATES, TYPE 22

MH 3402
MWRD
RIM=600.04
INV=588.61 15" RCP (W)
INV=588.11 15" RCP (NE)
INV=588.38 15" RCP (E)

MWRD PERMIT LIMITS

ABANDONED GAS (REMOVAL BY OTHERS)

PR ROW

EX ROW

PROJECT ENDS STA 103+00.00

8" D.I.

103 104 105+00 106 107 108 109

PROP STORM SEWER CONNECTION TO EXISTING MANHOLE (X0322917)

42' @ 3% - PROP STORM SEWERS, TYPE 1, WATER MAIN QUALITY PIPE, 15" (Z0056630)

DRAINAGE STRUCTURE LINING (X1200048)

CENTRAL STREET

27' @ 3% - PROP STORM SEWERS, TYPE 1, WATER MAIN QUALITY PIPE, 10" (Z0056646)
STORM SEWER REMOVAL 10" (55100400)

PROP CATCH BASINS TO BE ADJUSTED WITH NEW FRAMES AND GRATES, TYPE 22

COORDINATE REMOVAL OF ELECTRIC SERVICE LOCATED ON EXISTING BRIDGE WITH COMED

STORM MH 1889
CITY OF EVANSTON
RIM=600.18
EX INV=597.27 12" DIP (E)
EX INV=596.77 15" DIP (NW)
PLUG EXISTING DRAINS (X0301280)
PROP INV=596.77 15" (N)
PROP CATCH BASINS TO BE ADJUSTED WITH NEW TYPE 1 FRAME, OPEN LID (ADA) (60250400)

15" PIPE
INV=578.19

SEE DETAIL "A"

CATCH BASIN 2215
CITY OF EVANSTON
RIM=602.55
EX INV=598.83 10" RCP (W)
EX INV=597.74 10" RCP (NW)
T/W=597.74
T/D=595.3

COMBINATION MH 2208
CITY OF EVANSTON
RIM=603.12
INV=596.93 10" RCP (SE)
INV=596.08 12" RCP (NE)
T/W=593.32
INV=592.95 15" VCP (E)
INV=592.84 15" VCP (W)
T/D=592.8

PROJECT BEGINS STA 103+00.00

MWRD PERMIT LIMITS

MWRD TARP STUCTURE DRAINAGE STURCTURE ADJUSTMENT (SPECIAL) (Z0018100)
RIM = 603.13
(SEE SHEET S-34 FOR DEATILS)

DRAINAGE STRUCTURE LINING (X1200048)

MANHOLES TO BE ADJUSTED
RIM=601.45
(60255500)

MANHOLES TO BE ADJUSTED
RIM=601.62
(60255500)

CANAL SHORES GOLF COURSE

MWRD PERMIT LIMITS

COMBINATION MH 2214
CITY OF EVANSTON
RIM=603.83
INV=597.85 10" UNK (NW)
INV=593.13 15" UNK (E)
INV=593.10 15" UNK (W)
INV=593.08 12" UNK (S)

0 20 40 60
SCALE IN FEET

DETAIL "A"

REMOVE 6'-DIAMETER MANHOLE (60500040)

REMOVE 10' RCP STORM SEWER, 15" (55100700)

REMOVE 6' RCP SANITARY SEWER, 15" (X0487850)

8' - PROP SANITARY SEWER 15" (Z0057200)

103+09.33
157.98' RT

104+35.28
156.14' RT

CONNECTION TO EXISTING SEWER (X0322463)

CONNECTION TO EXISTING SEWER (X0322463)

4' - PROP SANITARY SEWER 15" (Z0057200)

PROP MANHOLES, SANITARY, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID (X6022830)
SAN-1
RIM=600.10
INV=588.51 15" RCP (NW)
INV=588.01 15" RCP (NE)
INV=588.28 15" RCP (E)

8' - PROP SANITARY SEWER 15" (Z0057200)

103+69.56
198.37' RT

0 2.5 5 7.5
SCALE IN FEET

MODEL: Default
FILE NAME: Drainage Plan

USER NAME = 9695	DESIGNED - MB	REVISED -
	DRAWN - MB	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - PAS	REVISED -
PLOT DATE = 5/13/2020	DATE - 05-18-2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CENTRAL STREET BRIDGE
DRAINAGE PLAN

SCALE: 1"=20' | SHEET 1 OF 2 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1301	16-00278-00-BR	COOK	136	37
		CONTRACT NO. 61F92		
		ILLINOIS	FED. AID PROJECT	

PROJECT BEGINS
STA 103+00.00

BRYANT AVE

CANAL SHORES GOLF COURSE

ABANDONED GAS
(REMOVAL BY OTHERS)

MWRD PERMIT LIMITS

PROP CONNECTION TO EXISTING WATER MAIN 8" (X5630708)

CUT AND CAP EXISTING 8" WATER MAIN (X5630008)

PR ROW

EX ROW

33'

8" D.I.

45° BEND

+23.01

+60.39

+42.63

103

104

L 105+00

106

4' - PROP DUCTILE IRON
SLEEVE, 12" (X0324930)

PROP WATER MAIN EXPANSION JOINT 8" ( )

PROP WATER MAIN EXPANSION JOINT 8" ( )

170' - PROP DI WATER MAIN 8", SPECIAL (XX009157)
WATER MAIN INSULATION (X1200136)

WATER VALVES 8" (56105000)
VALVE VAULTS, TYPE A, 5'-DIAMETER,
TYPE 1 FRAME, CLOSED LID (60248900)

EX WATER MAIN REMOVAL, 8" (X5610708)

COMED TEMP DUCT
PACKAGE RELOCATION
(BY OTHERS)

COMBO MH 2209
RIM=602.87
INV=592.80 15" VCP (E)
INV=591.96 10" VCP (S)
BOT=591.96

PROP FIRE HYDRANT WITH AUXILIARY
VALVE AND VALVE BOX (56400820)

+23.31
39.8 LT

EX FIRE HYDRANTS TO BE REMOVED
(56400500) - COORDINATE FH SALVAGE
WITH THE CITY OF EVANSTON

45' - WATER SERVICE LINE 6", (56201160)

FIRE STATION

PROJECT ENDS
STA 109+00.00

45' - WATER SERVICE LINE 6", (56201160)

107

+30.68

+54.70

+24.61

108

CENTRAL STREET

109

PROP CONNECTION TO EXISTING
WATER MAIN 8" (X5630708)

CUT AND CAP EXISTING 8"
WATER MAIN (X5630008)

45° BEND

EXISTING 15" RCP STORM SEWER

WATER VALVES 8" (56105000)
VALVE VAULTS, TYPE A, 5'-DIAMETER,
TYPE 1 FRAME, CLOSED LID (60248900)

WATER VALVES 8" (56105000)
VALVE VAULTS, TYPE A, 5'-DIAMETER,
TYPE 1 FRAME, CLOSED LID (60248900)

107' - PROP DUCTILE IRON WATER MAIN 8" (56103100)

CATCH BASIN 2215
RIM=602.55
INV=598.83 10" RCP (W)
INV=597.74 10" RCP (NW)
T/W=597.74
T/D=595.3

COMBINATION MH 2208
RIM=603.12
INV=596.93 10" RCP (SE)
INV=596.08 12" RCP (NE)
T/W=593.32
INV=592.95 15" VCP (E)
INV=592.84 15" VCP (W)
T/D=592.8

MWRD MH 3401
RIM=600.98
INV=591.41 10" VCP (N)
INV=590.49 10" VCP (SW)

MWRD PERMIT LIMITS

COORDINATE REMOVAL OF
ELECTRIC SERVICE LOCATED ON
EXISTING BRIDGE WITH COMED

92' - PROP DUCTILE IRON
WATER MAIN 8" (56103100)

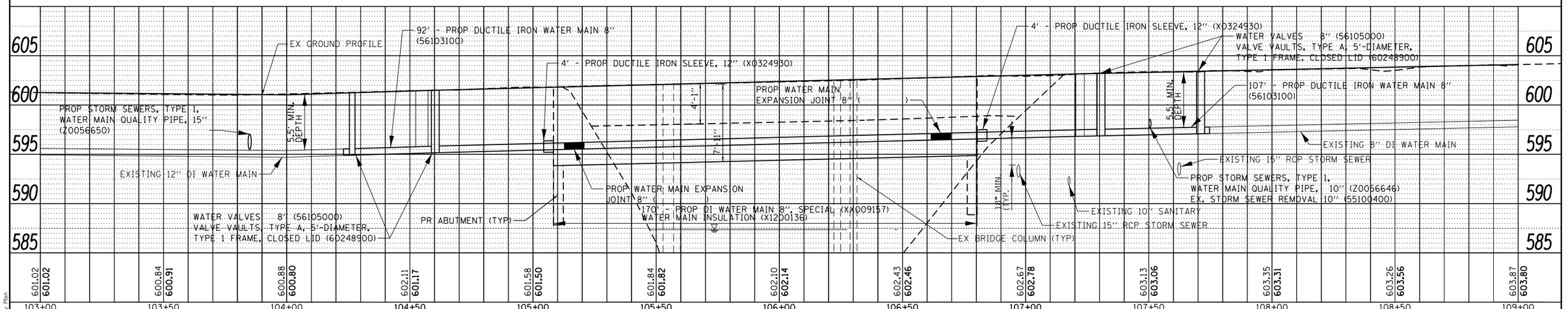
NORTH SHORE CHANNEL

UTILITY NOTES:

1. **WATER VALVE TO BE COMPLETELY INSTALLED WITHIN 4 HOURS OF CITY WATER SHUTDOWN. PRESSURE TESTING AND CHLORINATION TO BE COMPLETED WITHIN 24 HOURS.**

N

0 20 40 60
SCALE IN FEET



USER NAME = 9695	DESIGNED - MB	REVISED -	
	DRAWN - MB	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - PAS	REVISED -	
PLOT DATE = 5/13/2020	DATE - 05-18-2020	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CENTRAL STREET BRIDGE
UTILITY PLAN

SCALE: 1"=20' | SHEET 2 OF 2 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1301	16-00278-00-BR	COOK	136	38
		CONTRACT NO. 61F92		
		ILLINOIS	FED. AID PROJECT	

MODEL: Default
FILE NAME: Utility Plan

N

0 50 100 150
SCALE IN FEET

BRYANT AVE

GIRAD AVE

CENTRAL ST

ASBURY AVE

EX ROW

66'

+84.46
64.00 LT

+31.99
159.35 LT

+41.60
156.57 LT

+04.40
64.00 LT

MWRD PERMIT LIMITS

PR ROW

+84.41
50.00 LT

+10.76
50.00 LT

+84.36
33.75 LT

+06.05
33.75 LT

100+00 101+00 102+00 103+00 104+00 105+00 106+00 107+00 108+00 109+00 110+00 111+00 112+00 113+00 114+00

33.75

32.25

+20.24
32.25 RT

+06.45
32.25 RT

℄ CENTRAL STREET

+49.98
38.50 RT

+09.37
38.50 RT

+13.18
50.00 RT

+80.66
50.00 RT

+87.62
38.50 RT

+43.98
80.00 RT

+75.07
80.00 RT

+87.62
50.00 RT

+75.07
102.25 RT

+60.07
102.25 RT

90'

+37.23
174.28 RT

+97.06
198.06 RT

+75.07
132.25 RT

+75.07
132.25 RT

MATERIALS STORAGE AREA

EQUIPMENT STORAGE AREA

℄ NORTH SHORE CHANNEL

484 483 482 481 480.00 479 478 477 476 475.00

LEGEND

- EXISTING ROW
- PROPOSED ROW
- MWRD PERMIT LIMITS
- PROPERTY LOT LINE

MODEL: Default
FILE NAME: Right-Of-Way Plan

USER NAME = 9695	DESIGNED - CEG	REVISED -
	DRAWN - DWW	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED - PAS	REVISED -
PLOT DATE = 5/13/2020	DATE - 05-18-2020	REVISED -

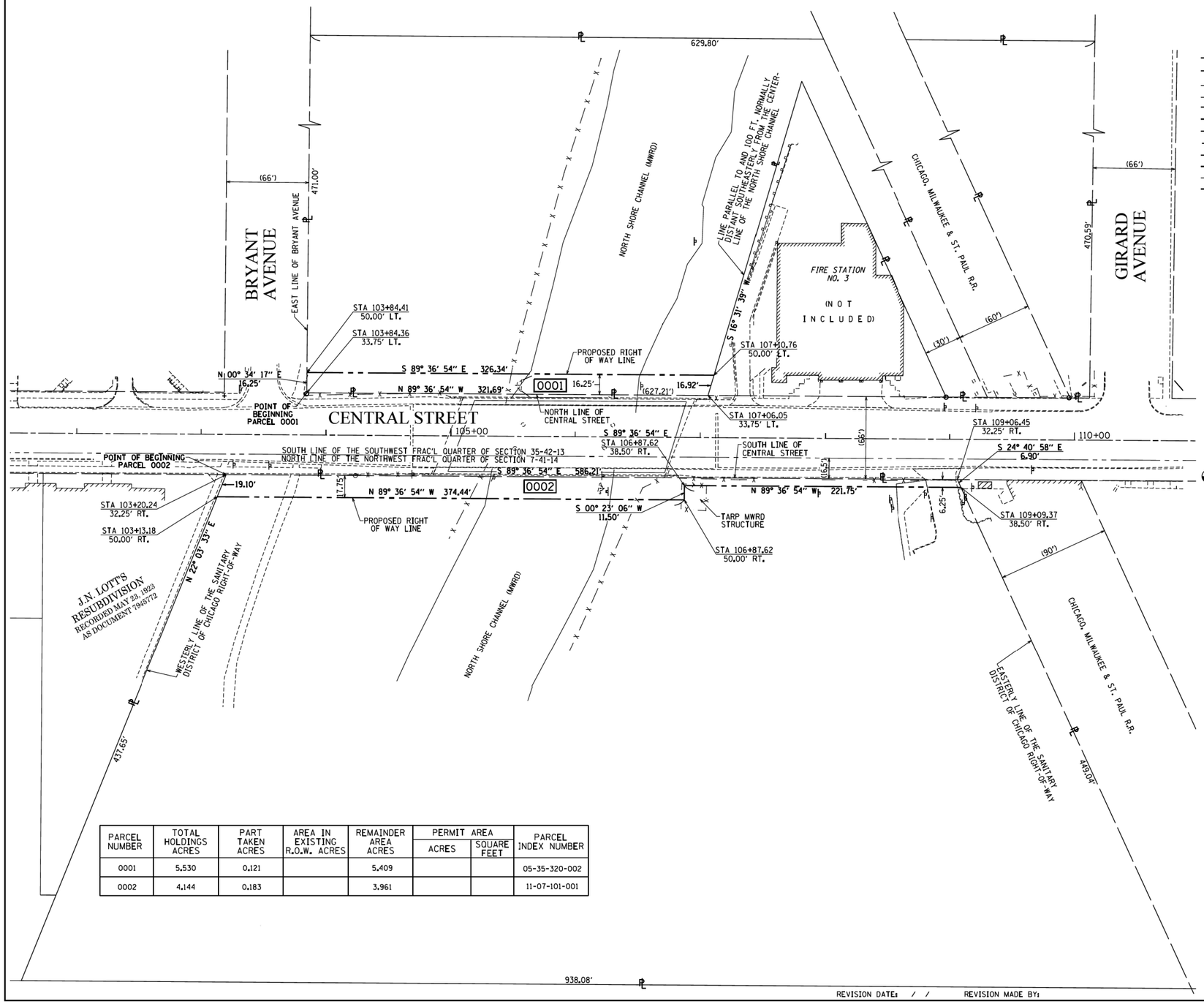
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CENTRAL STREET BRIDGE
RIGHT OF WAY PLAN

SCALE: 1"=50' | SHEET 1 OF 2 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1301	16-00278-00-BR	COOK	136	39
		CONTRACT NO. 61F92		
	ILLINOIS FED. AID PROJECT			

PART OF THE NORTHWEST FRACTIONAL QUARTER OF SECTION 7, TOWNSHIP 41 NORTH, RANGE 14 EAST AND PART OF THE SOUTHWEST FRACTIONAL QUARTER OF SECTION 35, TOWNSHIP 42 NORTH, RANGE 13 EAST OF THE THIRD PRINCIPAL MERIDIAN, COOK COUNTY, ILLINOIS.



PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	PERMIT AREA		PARCEL INDEX NUMBER
					ACRES	SQUARE FEET	
0001	5.530	0.121		5.409			05-35-320-002
0002	4.144	0.183		3.961			11-07-101-001

LEGEND

SECTION CORNER

QUARTER SECTION CORNER

GRAPHIC SCALE FEET 0 40
SCALE: 1"= 40'

- SECTION - QUARTER SECTION LINE
- PLATTED LOT LINES
- PROPERTY (DEED) LINE
- APL — APPARENT PROPERTY LINE
- EXISTING CENTERLINE
- PROPOSED CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- EXISTING EASEMENT
- PROPOSED EASEMENT
- AC — EXISTING ACCESS CONTROL LINE
- AC — PROPOSED ACCESS CONTROL LINE
- 129.32' MEASURED DIMENSION
- 129.32' (COMP) COMPUTED DIMENSION
- (129.32') RECORDED DIMENSION
- EXISTING BUILDING

- ○ IRON PIPE OR ROD FOUND
- + CUT CROSS FOUND OR SET
- ⊕ "MAG" NAIL SET
- ● 5/8" REBAR SET

SURVEY NOTES:
1. ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.
2. BEARING, DISTANCES, AND COORDINATES SHOWN HEREON REFERENCE THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID".
3. ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND". TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES SHOWN BY THE COMBINATION FACTOR OF 0.99997405.
4. AREAS SHOWN ON THIS PLAT ARE "GROUND".
5. FIELD SURVEY COMPLETED ON DECEMBER 8, 2016.

EX ROW

■ STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.

■ M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.

PERMANENT SURVEY MARKER. I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)

EX ROW

RIGHT OF WAY STAKING PROPOSED TO BE SET

STATE OF ILLINOIS)
)SS
COUNTY OF COOK)

THIS IS TO CERTIFY THAT WE, ENVIRONMENTAL DESIGN INTERNATIONAL INC, ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-001224, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 35, TOWNSHIP 42 NORTH, RANGE 13 EAST AND SECTION 7, TOWNSHIP 41 NORTH, RANGE 14 EAST OF THE THIRD PRINCIPAL MERIDIAN, COOK COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT CHICAGO, ILLINOIS THIS 25TH DAY OF JANUARY, A.D. 2019.

MICHAEL T. RING
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-003244
LICENSE EXPIRATION DATE: 11/30/2020

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

PROFESSIONAL LAND SURVEYOR — MICHAEL T. RING NO. 3244 CHICAGO — STATE OF ILLINOIS

REVISION DATE: / / REVISION MADE BY:

EDI PROJECT 1743.002

Environmental Design International Inc.
Civil, Survey, Environmental and Construction Inspection Services
33 W. MONROE STREET, SUITE 1625, CHICAGO, IL 60603
Ph. (312) 345-1400 Fax (312)345-0529
www.envdesigninl.com MBE/WBE/DBE
Excellence, Dedication, Innovation

PLAT OF HIGHWAYS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
CENTRAL STREET

LIMITS:
SECTION: AT NORTH SHORE CHANNEL
STATION: 103+13.18 TO 109+09.37
SCALE: 1" = 40'

COUNTY: COOK
JOB NO.:
SHEET 2 OF 2 SHEETS

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

MODEL: Default
FILE NAME: Plt of Highways

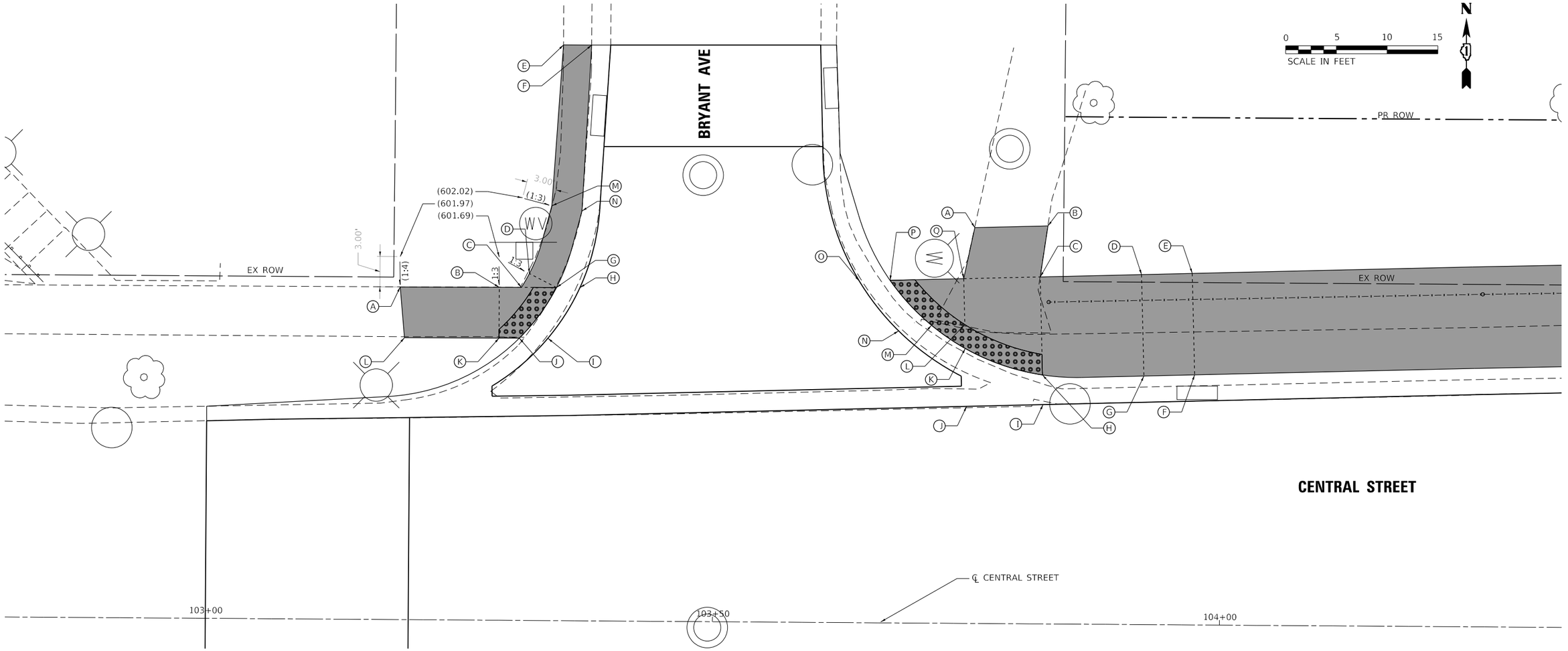
USER NAME = 9695	DESIGNED - MTR	REVISED -	
	DRAWN - MTR	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - MTR	REVISED -	
PLOT DATE = 5/13/2020	DATE - 05-18-2020	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CENTRAL STREET BRIDGE
PLAT OF HIGHWAYS

SCALE: NONE | SHEET 2 OF 2 SHEETS | STA. 103+13.18 TO STA. 109+09.37

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1301	16-00278-00-BR	COOK	136	40
		CONTRACT NO. 61F92		
	ILLINOIS	FED. AID PROJECT		



SEGMENT		LENGTH (FT)	SLOPE (%)
A	B	9.8	4.09
A	L	5.0	(1.79)
L	K	9.3	3.54
B	C	2.2	1.42
B	K	5.0	0.40
D	C	1.6	0.06
D	G	3.0	1.67
C	G	3.5	1.42
K	J	2.0	1.00
J	G	6.2	0.65
I	H	5.9	0.68
E	F	2.8	(2.16)
M	N	3.0	(2.67)

	Station	Offset	Elevation
POINT	(xx+xx.x)	(yy.y' L/R)	(zzz.zz')
A	103+19.0	32.8' L	601.16
B	103+28.8	32.8' L	600.76
C	103+30.9	32.8' L	600.73
D	103+31.7	34.2' L	600.73
E	103+34.9	56.7' L	601.29
F	103+37.7	56.7' L	601.23
G	103+34.4	32.8' L	600.68
H	103+36.7	32.8' L	600.68
I	103+33.6	27.8' L	600.72
J	103+30.8	27.8' L	600.72
K	103+28.8	27.8' L	600.74
L	103+19.5	27.8' L	601.07

SEGMENT		LENGTH (FT)	SLOPE (%)
A	B	7.2	0.83
A	Q	5.1	7.78
B	C	5.1	5.91
D	C	10.0	3.80
C	H	9.7	1.55
E	D	5.0	1.00
D	G	10.0	1.50
E	F	10.0	1.50
F	G	5.0	1.00
G	H	10.0	3.80
K	H	8.0	0.25
J	I	7.5	0.27
L	K	2.4	1.69
L	M	3.3	0.61
M	K	4.1	0.49
P	M	6.0	0.66
O	N	6.3	0.64
Q	P	7.3	0.41
Q	L	4.5	1.11

	Station	Offset	Elevation
POINT	(xx+xx.x)	(yy.y' L/R)	(zzz.zz')
A	103+75.6	39.0' L	601.14
B	103+82.8	39.2' L	601.08
C	103+82.1	34.2' L	600.78
D	103+92.1	34.5' L	601.11
E	103+97.1	34.6' L	601.16
F	103+97.4	24.6' L	601.06
G	103+92.4	24.5' L	601.01
H	103+82.4	24.5' L	600.63
I	103+82.5	21.6' L	600.60
J	103+74.9	21.4' L	600.62
K	103+74.8	27.1' L	600.67
L	103+74.7	29.5' L	600.69
M	103+71.4	29.4' L	600.64
N	103+68.2	28.8' L	600.64
O	103+64.3	33.7' L	600.68
P	103+67.3	33.8' L	600.71
Q	103+74.5	34.0' L	600.74

LEGEND

- xx.xx' — EXISTING LENGTH
- PROPOSED SIDE CURB
- ( ) — EXISTING ELEVATION/SLOPE
- PROPOSED SIDEWALK
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD

MODEL: Default
FILE NAME: ADA Ramp Design North Bryant

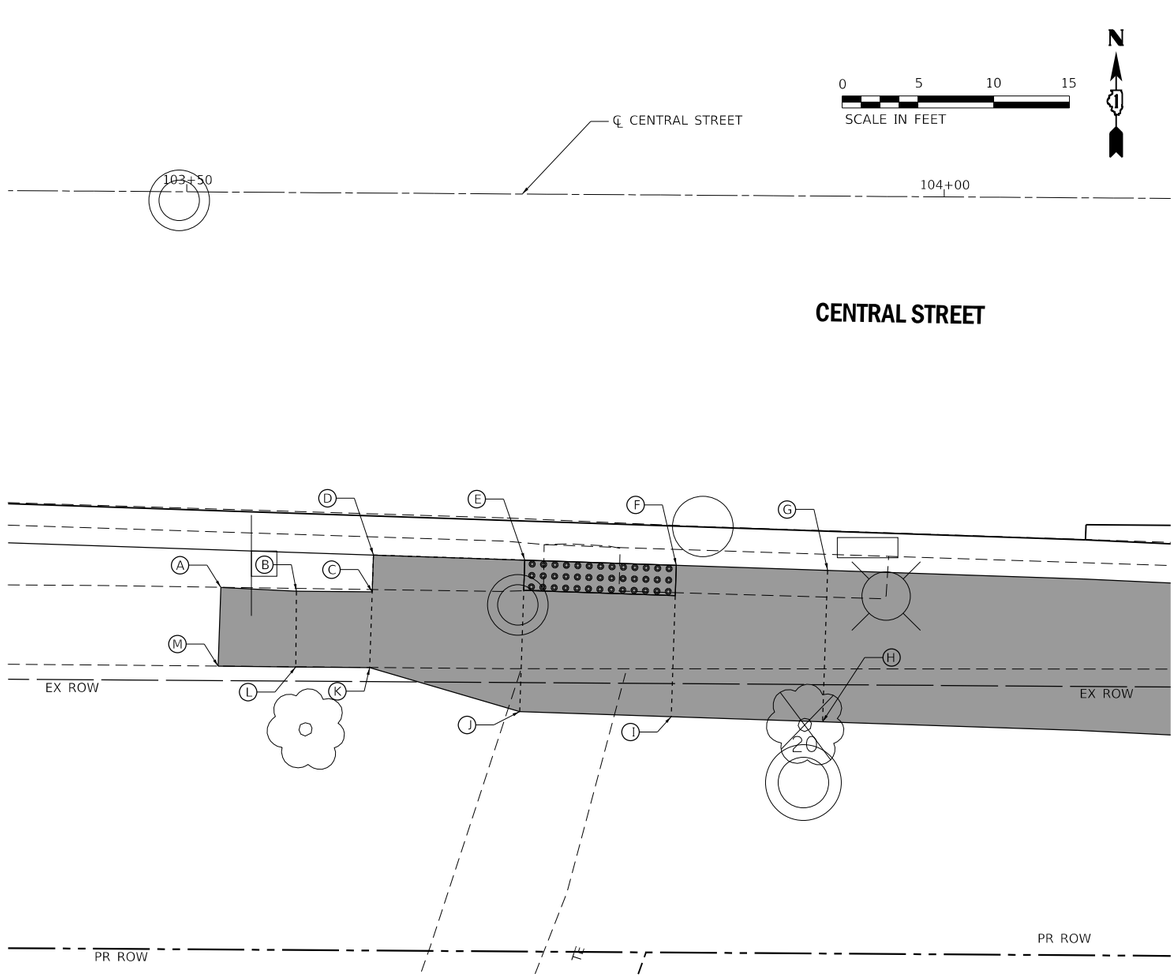
USER NAME = 9695	DESIGNED - CEG	REVISED -
	DRAWN - DWW	REVISED -
PLOT SCALE = 10.0000 ' / in.	CHECKED - PAS	REVISED -
PLOT DATE = 5/13/2020	DATE - 05-18-2020	REVISED -

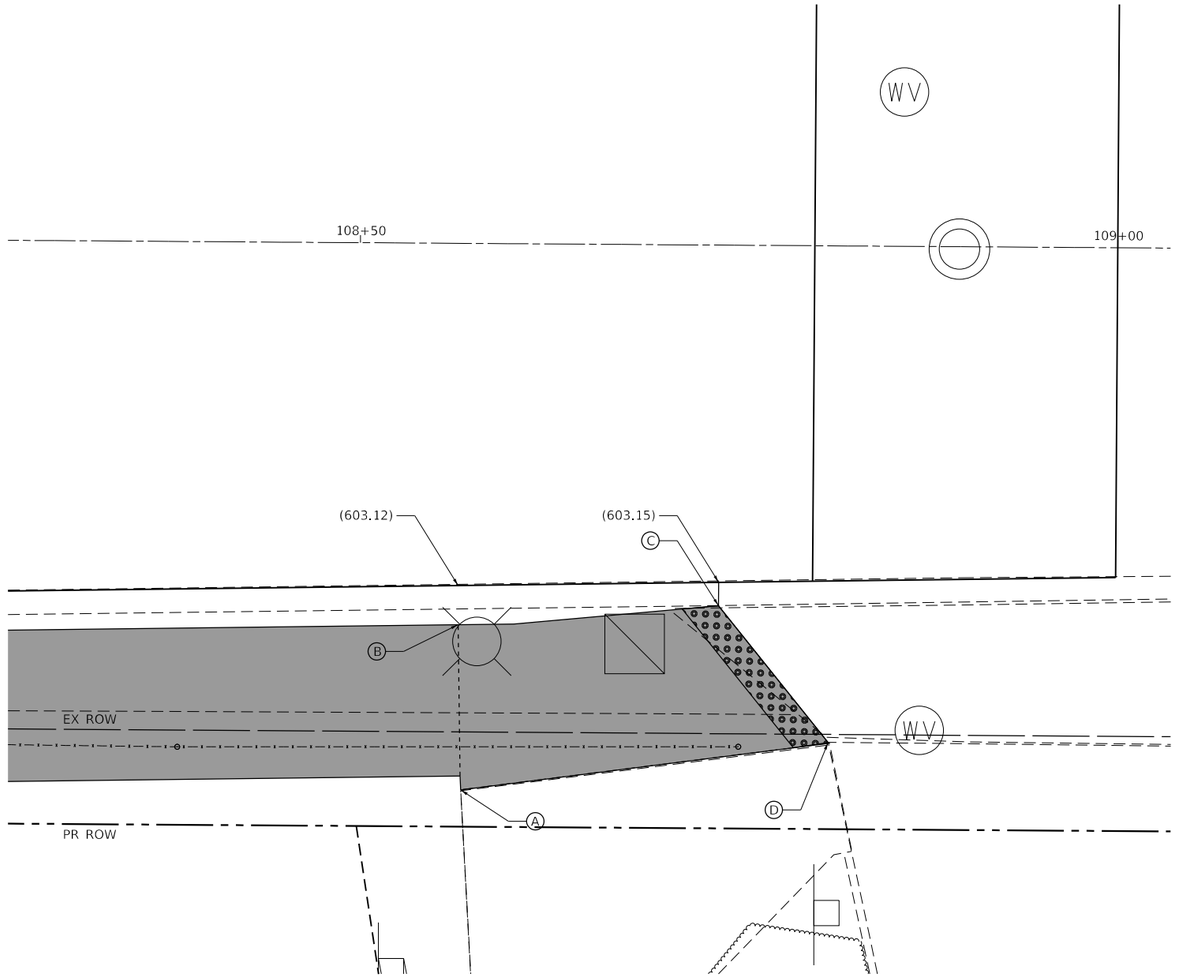
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CENTRAL STREET BRIDGE
ADA RAMP DESIGN

SCALE: 1"=5' | SHEET 1 OF 2 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1301	16-00278-00-BR	COOK	136	41
		CONTRACT NO. 61F92		
	ILLINOIS	FED. AID PROJECT		





SEGMENT		LENGTH (FT)	SLOPE (%)
B	A	5.0	0.40
M	A	5.2	(2.88)
B	C	5.0	0.80
L	B	5.0	1.80
M	L	5.0	1.60
C	D	2.4	6.17
C	E	10.3	5.64
K	C	5.0	1.60
L	K	5.0	1.00
K	J	9.6	5.34
E	F	10.0	0.70
J	I	10.0	0.70
J	E	10.0	1.50
I	F	10.0	1.50
G	F	10.0	4.00
H	I	10.0	4.00
H	G	10.0	1.50

POINT	Station (xx+xx.x)	Offset (yy.y' L/R)	Elevation (zzz.zz')
A	103+52.4	26.1' R	600.90
B	103+57.4	26.3' R	600.96
C	103+62.4	26.3' R	600.92
D	103+62.5	23.9' R	600.69
E	103+72.5	24.2' R	600.26
F	103+82.5	24.4' R	600.19
G	103+92.5	24.6' R	600.59
H	103+92.5	34.6' R	600.74
I	103+82.2	34.4' R	600.34
J	103+71.4	34.1' R	600.41
K	103+62.3	31.3' R	600.97
L	103+57.4	31.3' R	601.01
M	103+52.3	31.3' R	601.05

SEGMENT		LENGTH (FT)	SLOPE (%)
A	B	10.9	1.28
A	D	24.5	(1.18)
B	C	17.2	1.57
D	C	11.6	(1.03)

POINT	Station (xx+xx.x)	Offset (yy.y' L/R)	Elevation (zzz.zz')
A	108+56.8	36.08	603.70
B	108+56.6	21.2	603.56
C	108+73.8	23.8	603.29
D	108+81.1	32.8	603.41

LEGEND

- xx.xx' — EXISTING LENGTH
- PROPOSED SIDE CURB
- ( ) — EXISTING ELEVATION/SLOPE
- PROPOSED SIDEWALK
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD

MODEL: Default
FILE NAME: ADA Ramp Design South Bryant

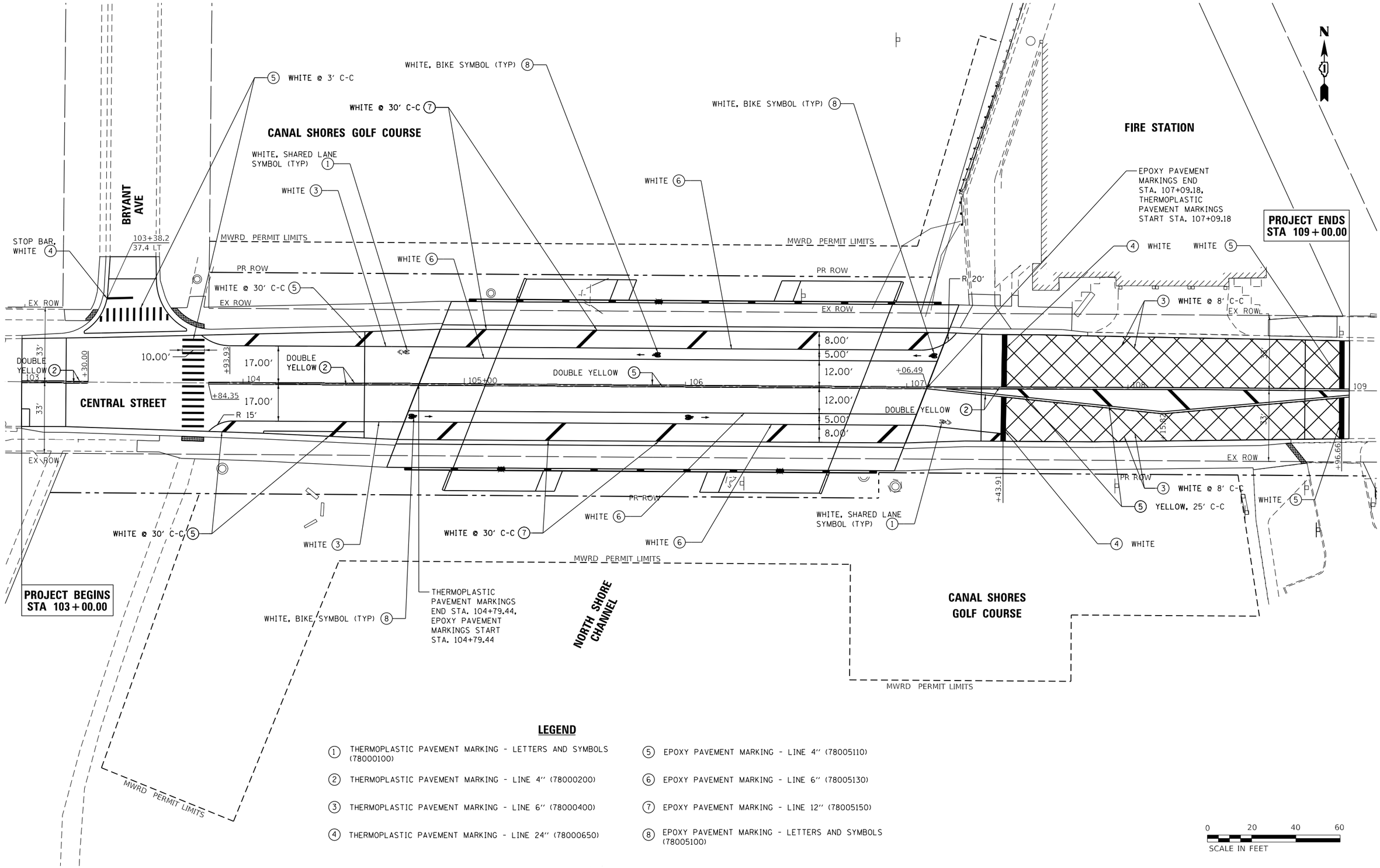
USER NAME = 9695	DESIGNED - CEG	REVISED -
	DRAWN - DWW	REVISED -
PLOT SCALE = 10.0000 ' / in.	CHECKED - PAS	REVISED -
PLOT DATE = 5/13/2020	DATE - 05-18-2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CENTRAL STREET BRIDGE
ADA RAMP DESIGN

SCALE: 1"=5' | SHEET 2 OF 2 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1301	16-00278-00-BR	COOK	136	42
		CONTRACT NO. 61F92		
	ILLINOIS	FED. AID PROJECT		



LEGEND

1. THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS (78000100)
2. THERMOPLASTIC PAVEMENT MARKING - LINE 4" (78000200)
3. THERMOPLASTIC PAVEMENT MARKING - LINE 6" (78000400)
4. THERMOPLASTIC PAVEMENT MARKING - LINE 24" (78000650)
5. EPOXY PAVEMENT MARKING - LINE 4" (78005110)
6. EPOXY PAVEMENT MARKING - LINE 6" (78005130)
7. EPOXY PAVEMENT MARKING - LINE 12" (78005150)
8. EPOXY PAVEMENT MARKING - LETTERS AND SYMBOLS (78005100)

0 20 40 60
SCALE IN FEET

MODEL: Default
FILE NAME: Pavement Marking Plan

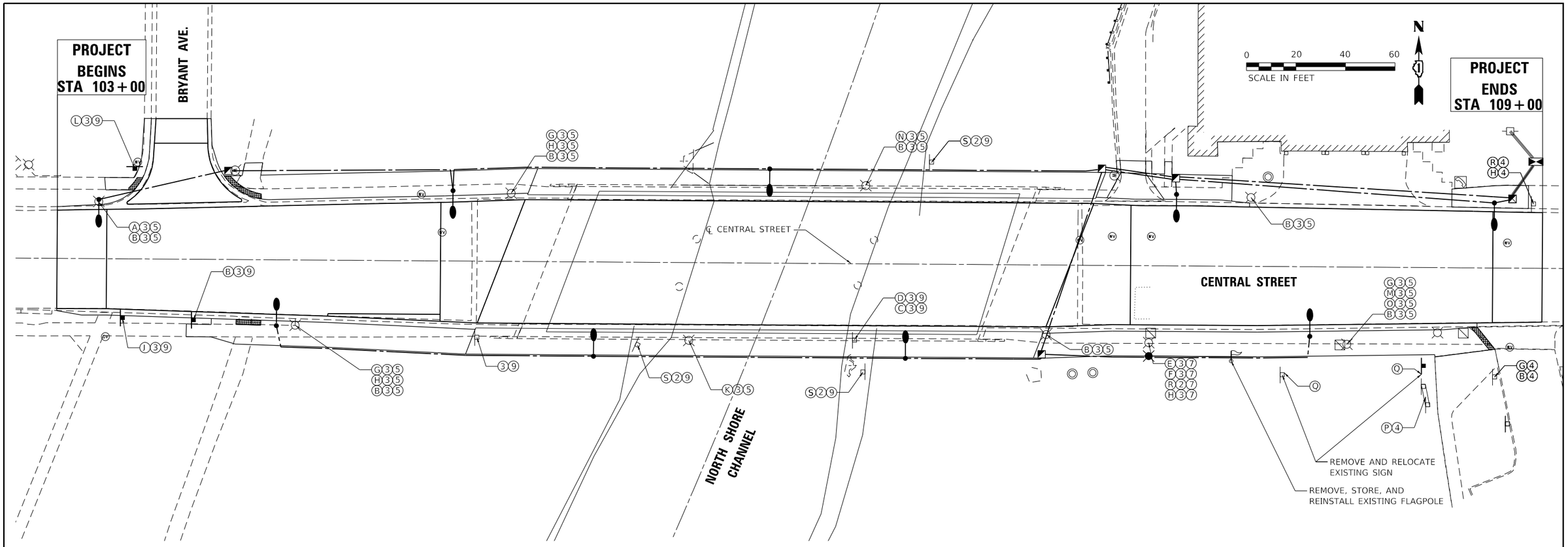
USER NAME = 9695	DESIGNED - MB	REVISED -
	DRAWN - MB	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - PAS	REVISED -
PLOT DATE = 5/13/2020	DATE - 05-18-2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CENTRAL STREET BRIDGE
PAVEMENT MARKING PLAN

SCALE: 1"=20' | SHEET 1 OF 4 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1301	16-00278-00-BR	COOK	136	43
		CONTRACT NO. 61F92		
		ILLINOIS	FED. AID PROJECT	



SIGN TYPES

- (A) R2-1 (24" X 30") SPEED LIMIT: 25
- (B) R7-1 (12" X 18") NO PARKING AT ANY TIME
- (C) D9-2 (24" X 24") H
- (D) D9-2a (24" X 6") ARROW
- (E) W3-3 (30" X 30") STREETLIGHT
- (F) W16-8 (36" X 8") GIRARD AV
- (G) W11-2 (30" X 30") PED WALKING
- (H) W16-7pL (24" X 12") LEFT DOWN ARROW
- (I) W11-8P (24" X 18") FIRE STATION
- (J) W11-8 (30" X 30") FIRE TRUCK
- (K) W12-2 (36" X 36") 13' 9" BRIDGE HEIGHT
- (L) R1-1 30" X 30" STOP SIGN
- (M) W16-9P 24" X 10" AHEAD
- (N) W11-11P 30" X 30" GOLF CARTS
- (O) R3-7L 30" X 30" LEFT LANE MUST TURN LEFT
- (P) SPECIAL SIGN: CHANDLER NEWBURGER COMMUNITY CENTER
- (Q) SPECIAL SIGN: CANAL SHORES
- (R) SPECIAL SIGN: FIRE TRUCK DO NOT BLOCK DRIVEWAY
- (S) SPECIAL SIGN: 24" X 24" CAUTION WATERWAY

MOUNTING TYPE

1. SIGN PANEL - TYPE 1
2. REMOVE AND RELOCATE EXISTING SIGN - SPECIAL
3. REMOVE EXISTING SIGN - TYPE 1
4. EXISTING SIGN TO REMAIN
5. SIGN MOUNTED TO LIGHT POLE
6. SIGN MOUNTED TO UTILITY POLE
7. SIGN MOUNTED TO SIGNAL POLE
8. METAL POST TYPE A
9. METAL POST REMOVAL

NOTES:

1. UNLESS OTHERWISE NOTED, EXISTING SIGNS ARE TO BE REMOVED AND DELIVERED TO THE CITY OF EVANSTON PUBLIC WORKS AGENCY.
2. ALL NON-STANDARD MUTCD SIGNS ARE TO BE REMOVED AND STORED BY THE CONTRACTOR DURING CONSTRUCTION. ANY SIGNS THAT ARE DAMAGED BY THE CONTRACTOR DURING REMOVAL AND RELOCATION SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE AND WILL NOT BE PAID FOR SEPARATELY.
3. CONTRACTOR TO COORDINATE FLAG POLE LOCATION WITH CANAL SHORES.
4. CONTRACTOR TO COORDINATE SIGN RELOCATION WITH CANAL SHORES.

MODEL: Default
FILE NAME: Signing Plan

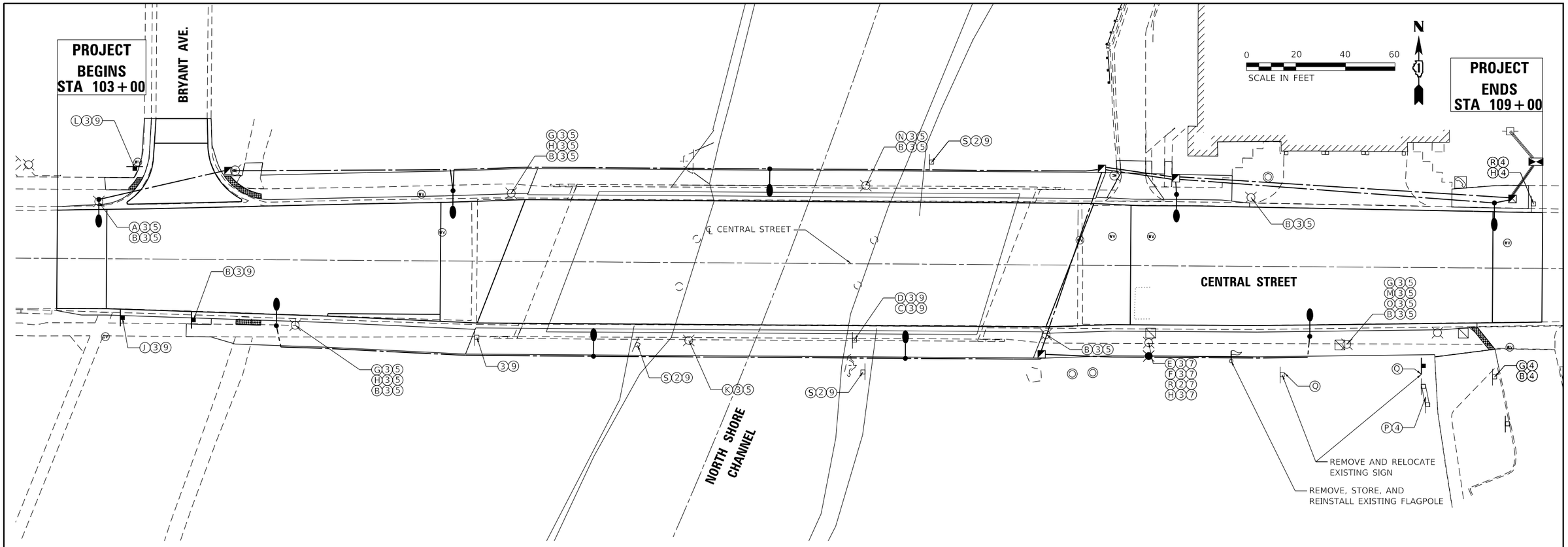
USER NAME = 9695	DESIGNED - CEG	REVISED -
	DRAWN - DWW	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - PAS	REVISED -
PLOT DATE = 5/13/2020	DATE - 05-18-2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CENTRAL STREET BRIDGE
ROADWAY SIGNING REMOVAL PLAN

SCALE: 1"=20' | SHEET 2 OF 4 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1301	16-00278-00-BR	COOK	136	44
		CONTRACT NO. 61F92		
	ILLINOIS	FED. AID PROJECT		



SIGN TYPES

- (A) R2-1 (24" X 30") SPEED LIMIT: 25
- (B) R7-1 (12" X 18") NO PARKING AT ANY TIME
- (C) D9-2 (24" X 24") H
- (D) D9-2a (24" X 6") ARROW
- (E) W3-3 (30" X 30") STREETLIGHT
- (F) W16-8 (36" X 8") GIRARD AV
- (G) W11-2 (30" X 30") PED WALKING
- (H) W16-7pL (24" X 12") LEFT DOWN ARROW
- (I) W11-8P (24" X 18") FIRE STATION
- (J) W11-8 (30" X 30") FIRE TRUCK
- (K) W12-2 (36" X 36") 13' 9" BRIDGE HEIGHT
- (L) R1-1 30" X 30" STOP SIGN
- (M) W16-9P 24" X 10" AHEAD
- (N) W11-11P 30" X 30" GOLF CARTS
- (O) R3-7L 30" X 30" LEFT LANE MUST TURN LEFT
- (P) SPECIAL SIGN: CHANDLER NEWBURGER COMMUNITY CENTER
- (Q) SPECIAL SIGN: CANAL SHORES
- (R) SPECIAL SIGN: FIRE TRUCK DO NOT BLOCK DRIVEWAY
- (S) SPECIAL SIGN: 24" X 24" CAUTION WATERWAY

MOUNTING TYPE

1. SIGN PANEL - TYPE 1
2. REMOVE AND RELOCATE EXISTING SIGN - SPECIAL
3. REMOVE EXISTING SIGN - TYPE 1
4. EXISTING SIGN TO REMAIN
5. SIGN MOUNTED TO LIGHT POLE
6. SIGN MOUNTED TO UTILITY POLE
7. SIGN MOUNTED TO SIGNAL POLE
8. METAL POST TYPE A
9. METAL POST REMOVAL

NOTES:

1. UNLESS OTHERWISE NOTED, EXISTING SIGNS ARE TO BE REMOVED AND DELIVERED TO THE CITY OF EVANSTON PUBLIC WORKS AGENCY.
2. ALL NON-STANDARD MUTCD SIGNS ARE TO BE REMOVED AND STORED BY THE CONTRACTOR DURING CONSTRUCTION. ANY SIGNS THAT ARE DAMAGED BY THE CONTRACTOR DURING REMOVAL AND RELOCATION SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE AND WILL NOT BE PAID FOR SEPARATELY.
3. CONTRACTOR TO COORDINATE FLAG POLE LOCATION WITH CANAL SHORES.
4. CONTRACTOR TO COORDINATE SIGN RELOCATION WITH CANAL SHORES.

MODEL: Default
FILE NAME: Signing Plan

USER NAME = 9695	DESIGNED - CEG	REVISED -
	DRAWN - DWW	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - PAS	REVISED -
PLOT DATE = 5/13/2020	DATE - 05-18-2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

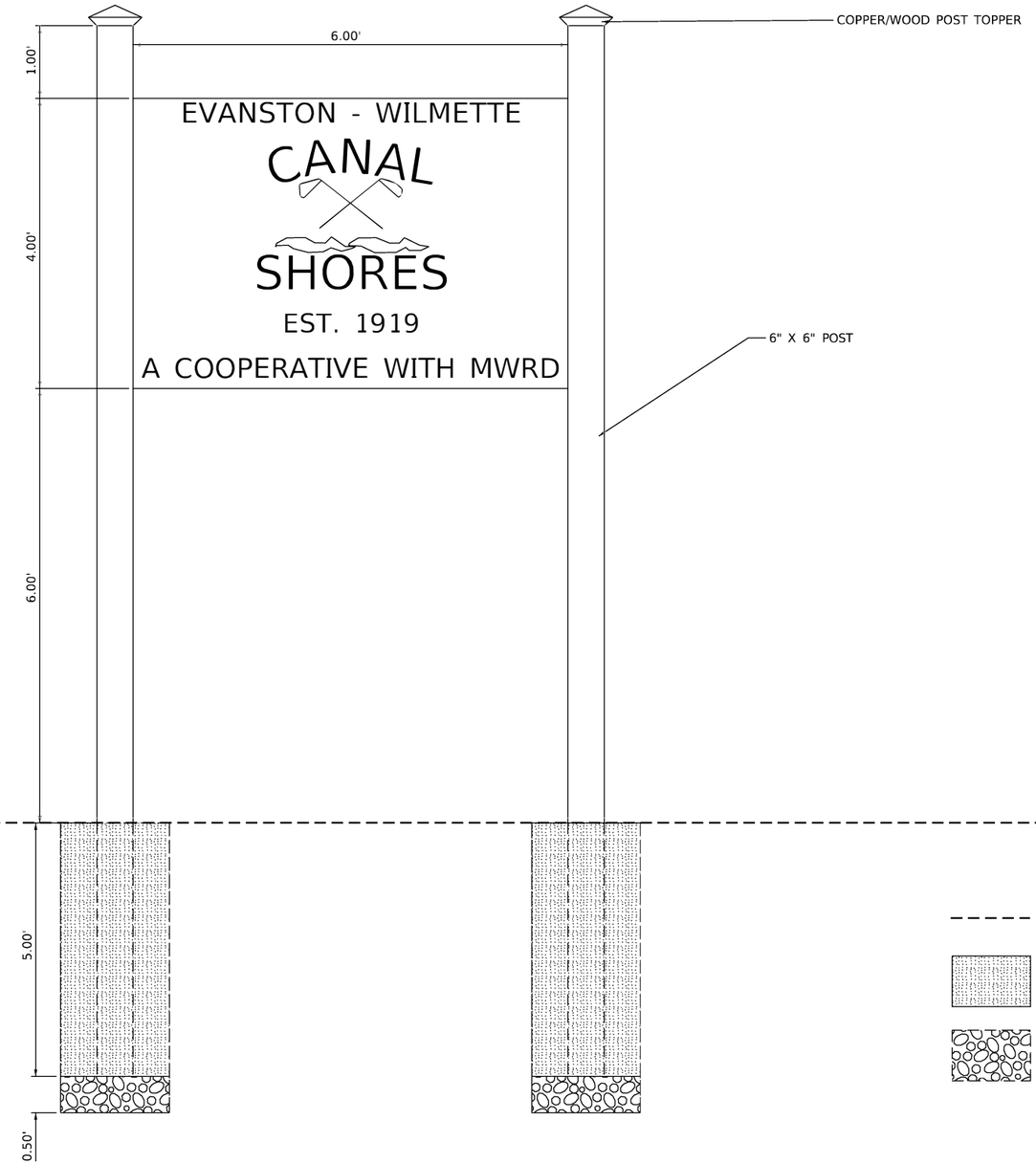
CENTRAL STREET BRIDGE
ROADWAY SIGNING REMOVAL PLAN

SCALE: 1"=20' | SHEET 2 OF 4 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1301	16-00278-00-BR	COOK	136	45
		CONTRACT NO. 61F92		
	ILLINOIS	FED. AID PROJECT		

NOTES

1. BOTTOM OF SIGN MUST SHOW ABOVE FENCE LEVEL.
2. POSTS ARE TO BE COLORED WHITE.
3. SIGN BOARD IS TO BE COLORED WHITE.
4. ALL TEXT IS TO BE CARVED (1/2" MINIMUM).
5. "CANAL SHORES" TEXT IS TO BE COLORED GREEN.
6. GOLF CLUBS ARE TO BE COLORED BROWN.
7. WATER IS TO BE COLORED BLUE.
8. "EST. 1919" TEXT IS TO BE COLORED GOLD.
9. "EVANSTON-WILMETTE" IS TO BE COLORED GREEN.
10. "COOPERATIVE" TEXT IS TO BE COLORED BLACK.



LEGEND

- GROUND LEVEL
- CONCRETE FOUNDATION
- GRAVEL BASE

MODEL: Default
FILE NAME: New Sign Plan

USER NAME = 9695	DESIGNED - CEG	REVISED -
	DRAWN - DWW	REVISED -
PLOT SCALE = 2.0000 ' / in.	CHECKED - PAS	REVISED -
PLOT DATE = 5/13/2020	DATE - 05-18-2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CENTRAL STREET BRIDGE
CANAL SHORES ENTRANCE SIGN

SCALE: 1" = 1' | SHEET 4 OF 4 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1301	16-00278-000-BR	COOK	136	46
		CONTRACT NO. 61F92		
	ILLINOIS	FED. AID PROJECT		

NOTES:

1. CONTRACTOR TO COORDINATE WITH CANAL SHORES FOR DESIGN AND LAYOUT OF USGA PUTTING GREEN
2. BERM PLANTINGS DETAILS LOCATED ON LANDSCAPING SHEETS 5 AND 6.
3. CONTRACTOR TO COORDINATE EMBANKMENT LAYOUT OF PERENNIAL PLANTS WITH CANAL SHORES.

PROJECT BEGINS STA 103+00

PROJECT ENDS STA 109+00

BRYANT AVENUE

℄ NORTH SHORE CHANNEL

MWRD PERMIT LIMITS

PR ROW

EX ROW

℄ CENTRAL STREET

CENTRAL STREET

+32.02 56.71 LT
+79.39 57.02 LT
+80.93 66.98 LT
+88.98 64.00 LT
+99.91 64.00 LT
+61.87 56.91 LT
+70.99 64.00 LT
+54.23 64.00 LT
+25.45 75.67 LT
+10.48 71.96 LT
+05.88 69.11 LT
+04.40 64.00 LT
2.93'
3.00'
6.99'
+00.00 20.90 LT
FENCE (SPECIAL), 120 LF
+84.94 37.16 RT
+84.69 57.21 RT
103+00
104+00
105+00
106+00
107+00
108+00
109+00
FENCE (SPECIAL), 95 LF
CHAIN LINK FENCE, 6"
FENCE (SPECIAL), 191 LF
+05.37 38.70 RT
+50.32 48.98 RT
+54.67 33.27 RT
+49.98 38.50 RT
3' (TYP)
+66.32 50.00 RT
+68.35 64.45 RT
+49.80 63.34 RT
+43.98 80.00 RT
+16.81 80.00 RT
+18.17 80.00 RT
+75.07 80.00 RT
6.22'
1736' R
60' R
323' R
+04.94 58.49 RT
USGA PUTTING GREEN
+71.95 102.35 RT
23' R
54' R
+01.47 79.71 RT
+49.98 38.50 RT
+98.98 96.58 RT
+05.69 104.97 RT
+27.63 100.22 RT
+60.07 102.25 RT
+75.07 102.25 RT
+75.07 125.00 RT
21' R
42' R
CHAIN LINK GATE 6' X 10' DOUBLE
+75.07 125.00 RT
+19.79 195.86 RT
+27.65 214.45 RT
+19.12 214.51 RT
+84.81 214.08 RT
NORTH SHORE CHANNEL
0 20 40 60
SCALE IN FEET

N

LEGEND:

- SODDING, SALT TOLERANT
- PERENNIAL PLANTS
- SEEDING, SPECIAL PERENNIAL PLANTS, PRAIRIE TYPE, 2" DIAM BY 4" IN DEEP PLUG
- BERM PLANTINGS
- LIMESTONE SCREENING SURFACE
- SHREDDED BARK MULCH 3"
- — x — x — CHAIN LINK FENCE, 6'
- xxx — xxx — xxx — FENCE (SPECIAL)

MODEL: Default
FILE NAME: Landscaping Plan 1 of 6

USER NAME = 9695	DESIGNED - CEG	REVISED -
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PLOT DATE = 5/13/2020	DATE - 05-18-2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CENTRAL STREET BRIDGE
LANDSCAPING PLAN

SCALE: 1"=20' | SHEET 1 OF 6 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1301	16-00278-00-BR	COOK	136	47
		CONTRACT NO. 61F92		
		ILLINOIS	FED. AID PROJECT	

CENTRAL STREET BRIDGE RECONSTRUCTION
TREE RESTORATION PLANTING AREA

Legend:

TREE RESTORATION PLANTING AREA

TREE MANAGEMENT AREA

TREES			UNDERSTORY TREES			LARGE SHRUBS		
PAY ITEM NUMBER:	TREE TYPE:	QUANTITY:	PAY ITEM NUMBER:	TREE TYPE:	QUANTITY:	PAY ITEM NUMBER:	TREE TYPE:	QUANTITY:
A2001016	TREE, ACER RUBRUM (RED MAPLE), 2" CALIPER, BALLED AND BURLAPPED	5	A2C007G3	TREE, AMELANCHIER CANADENSIS (SHADBLOW SERVICEBERRY), CONTAINER GROWN, 3-GALLON	5	C2000124	SHRUB, AESCULUS PARVIFLORA (BOTTLEBRUSH BUCKEYE), 2' HEIGHT, BALLED AND BURLAPPED	5
A2001716	TREE, ACER SACCHARINUM MORTON (CRESCENDO SUGAR MAPLE), 2" CALIPER, BALLED AND BURLAPPED	5	A2C025G3	TREE, CERCIS CANADENSIS (REDBUD), CONTAINER GROWN, 3-GALLON	5	C2000424	SHRUB, ARONIA ARBUTIFOLIA BRILLIANT ISSIMA (BRILLANT RED CHOKEBERRY), 2' HEIGHT, BALLED AND BURLAPPED	5
A2012003	TREE, AESCULUS X CARNEA FORT MCNAIR (FORT MCNAIR RED HORSECHESTNUT), 3" CALIPER, BALLED AND BURLAPPED, MATCHING HEADS	5	G20020Y2	SEEDLING-CORNUS ALTERNIFOLIA (PAGODA DOGWOOD), 2-YEAR OLD, BARE ROOT	3	C2C03432	SHRUB, HYDRANGEA QUERCIFOLIA (OAKLEAF HYDRANGEA), 2' HEIGHT, CONTAINER	5
A2002316	TREE, BETULA NIGRA (RIVER BIRCH), 2" CALIPER, BALLED AND BURLAPPED	5	F30230Y2	SEEDLING-CORNUS MAS (CORNELIANCHERRY DOGWOOD), 2-YEAR OLD, BARE ROOT	5	C2004524	SHRUB, MYRICA PENSYLVANICA (BAYBERRY), 2' HEIGHT, BALLED AND BURLAPPED	5
A2008517	TREE, ULMUS JAPONICA X WILSONIANA MORTON (ACCOLADE ELM), 2-1/2" CALIPER, BALLED AND BURLAPPED	5	C2003353	SHRUB, HEPTACODIUM MICRONOIDES (SEVEN SON FLOWER), 8' HEIGHT, BALLED AND BURLAPPED	5	X1800008	SHRUB, RHUS AROMATICA (FRAGRANT SUMAC), 3' HEIGHT, BALLED AND BURLAPPED	5
A2002516	TREE, CARPINUS CAROLINIANA (AMERICAN HORNBEAM), 2" CALIPER, BALLED AND BURLAPPED	5	B2004816	TREE, MALUS SARGENTII (SARGENT CRABAPPLE), 2" CALIPER, TREE FORM, BALLED AND BURLAPPED	5	C2005928	SHRUB, RHUS COPALLINA VAR LATIFOLIA MORTON (PRAIRIE FLAME SHINING SUMAC), 2' HEIGHT, BALLED AND BURLAPPED	5
A2002820	TREE, CATALPA SPECIOSA (NORTHERN CATALPA), 2-1/2" CALIPER, BALLED AND BURLAPPED	5	B2001620	TREE, CRATAEGUS CRUSGALLI INERMIS (THORN LESS COCKSPUR HAWTHORN), 2-1/2" CALIPER TREE FORM, BALLED AND BURLAPPED	5	X1800021	TREE, VIBURNUM PRUNIFOLIUM (BLACKHAW VIBURNUM), 2" CALIPER, BALLED AND BURLAPPED	15
A2002860	TREE, CELTIS LAEVIGATA (SUGAR HACKBERRY), 2-1/2" CALIPER, BALLED AND BURLAPPED	5	B2003850	TREE, MALUS IOENSIS (IOWA CRABAPPLE), 5' HEIGHT, CLUMP FORM, BALLED AND BURLAPPED	5	C2009410	SHRUB, SALIX DISCOLOR (PUSSY WILLOW), 3' HEIGHT, BALLED AND BURLAPPED	5
A2005120	TREE, JUGLANS NIGRA (BLACK WALNUT), 2-1/2" CALIPER, BALLED AND BURLAPPED	5	A2C032G3	TREE, CORYLUS AMERICANA (AMERICAN HAZELNUT), CONTAINER GROWN, 3-GALLON (ROOT PRODUCTION METHOD)	5	C2008924	SHRUB, ROSA SETIGERA (PRAIRIE ROSE), 24" HEIGHT, BALLED AND BURLAPPED	5
A2005520	TREE, NYSSA SYLVATICA (BLACK TUPELO), 2-1/2" CALIPER, BALLED AND BURLAPPED	5				C2002324	SHRUB, DIERVILLA LONICERA (BUSH HONEY SUCKLE), 2' HEIGHT, BALLED AND BURLAPPED	5
A2006606	TREE, QUERCUS COCCINEA (SCARLET OAK), 2-1/2" CALIPER, BALLED AND BURLAPPED	5				C2009640	SHRUB,SAMBUCUS CANADENSIS (COMMON ELDERBERRY),3' HEIGHT BALLED AND BURLAPPED	5
A2C056G5	TREE, QUERCUS MACROCARPA (BURR OAK), CONTAINER GROWN, 5-GALLON	5				C2C06212	SHRUB, RIBES AMERICANUM (WILD BLACK CURRANT), 12" WIDTH, CONTAINER	5
A2006916	TREE, QUERCUS PALUSTRIS (PIN OAK), 2" CALIPER, BALLED AND BURLAPPED	5				C2C043G3	SHRUB, LINDERA BENZOIN (SPICEBUSH), CONTAINER GROWN, 3-GALLON	5
A2007116	TREE, QUERCUS RUBRA (RED OAK), 2" CALIPER, BALLED AND BURLAPPED	5						
A2006516	TREE, QUERCUS BICOLOR (SWAMP WHITE OAK), 2" CALIPER, BALLED AND BURLAPPED	5						
A2008120	TREE, TILIA CORDATA GREENSPIRE (GREENSPIRE LITTLE LEAF LINDEN), 2-1/2" CALIPER, BALLED AND BURLAPPED	2						
B2005389	TREE, METASEQUOIA GLYPTOSTROBOIDES (DAWN REDWOOD), 2-1/2" CALIPER, BALLED AND BURLAPPED	5						
D2001524	EVERGREEN, JUNIPERUS VIRGINIANA (EASTERN RED CEDAR), 2' HEIGHT, BALLED AND BURLAPPED	5						
A2002218	TREE, ALNUS GLUTINOSA (BLACK ALDER), 2" CALIPER, BALLED AND BURLAPPED	5						
TOTAL:		92	TOTAL:		43	TOTAL:		75
ENTIRE AREA TOTAL:								210

NOTES:

1. THE ENGINEER, WORKING WITH THE LANDSCAPERAND CANAL SHORES, SHALL PROVIDE THE INITIAL LAYOUT OF THE PROPOSED TREE PLANTING LOCATIONS. THE CITY OF EVANTSON AND THE MWRDGC WILL PROVIDE FINAL APPROVAL OF ALL PROPOSED LOCATIONS
2. THE CONTRACTOR SHALL TAKE CARE NOT TO DAMAGEANY EXISITING VEGETATION. ANY DAMAGED VEGETATION WILL BE REMOVED AND REPLACED AT THE CONTRACTOR'S EXPENSE.
3. THE LIST PROVIDED IN THE TREE MANAGEMENT AREA ARE ACCEPTABLE SPECIES FOR FUTURE PLANTING ON THE CANAL SHORES PROPERTY.
4. BASED ON THE REMOVAL OF 61 TREES, 210 REPLACEMENT TREES AND SHRUBS WILL BE PLANTED THROUGHOUT THE TREE RESTORATION PLANTING AREA.

MODEL: Default
FILE NAME: Landscaping Plan 2 of 6

USER NAME = 9695	DESIGNED - CEG	REVISED -	
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PLOT SCALE = 40.0000 ' / in.	CHECKED - PAS	REVISED -	
PLOT DATE = 5/13/2020	DATE - 05-18-2020	REVISED -	

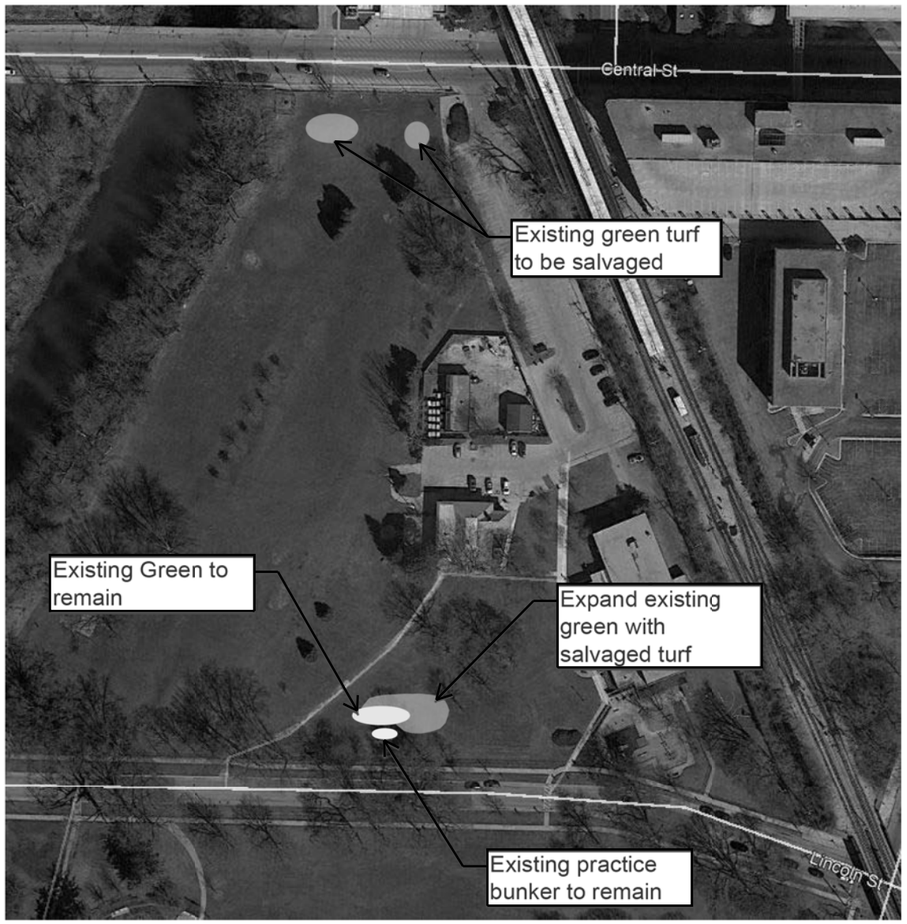
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CENTRAL STREET BRIDGE
TREE RESTORATION PLAN

SCALE: NONE | SHEET 2 OF 6 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1301	16-00278-00-BR	COOK	136	48
		CONTRACT NO. 61F92		
	ILLINOIS FED. AID PROJECT			

Central Street Bridge Replacement
Canal Shores Practice Green Relocation



NOTES:

1. CONTRACTOR TO COORDINATE RELOCATED GREEN WITH CANAL SHORES.

RELOCATED GREEN CROSS SECTION

MODEL: Default
FILE NAME: Landscaping Plan 3 of 6

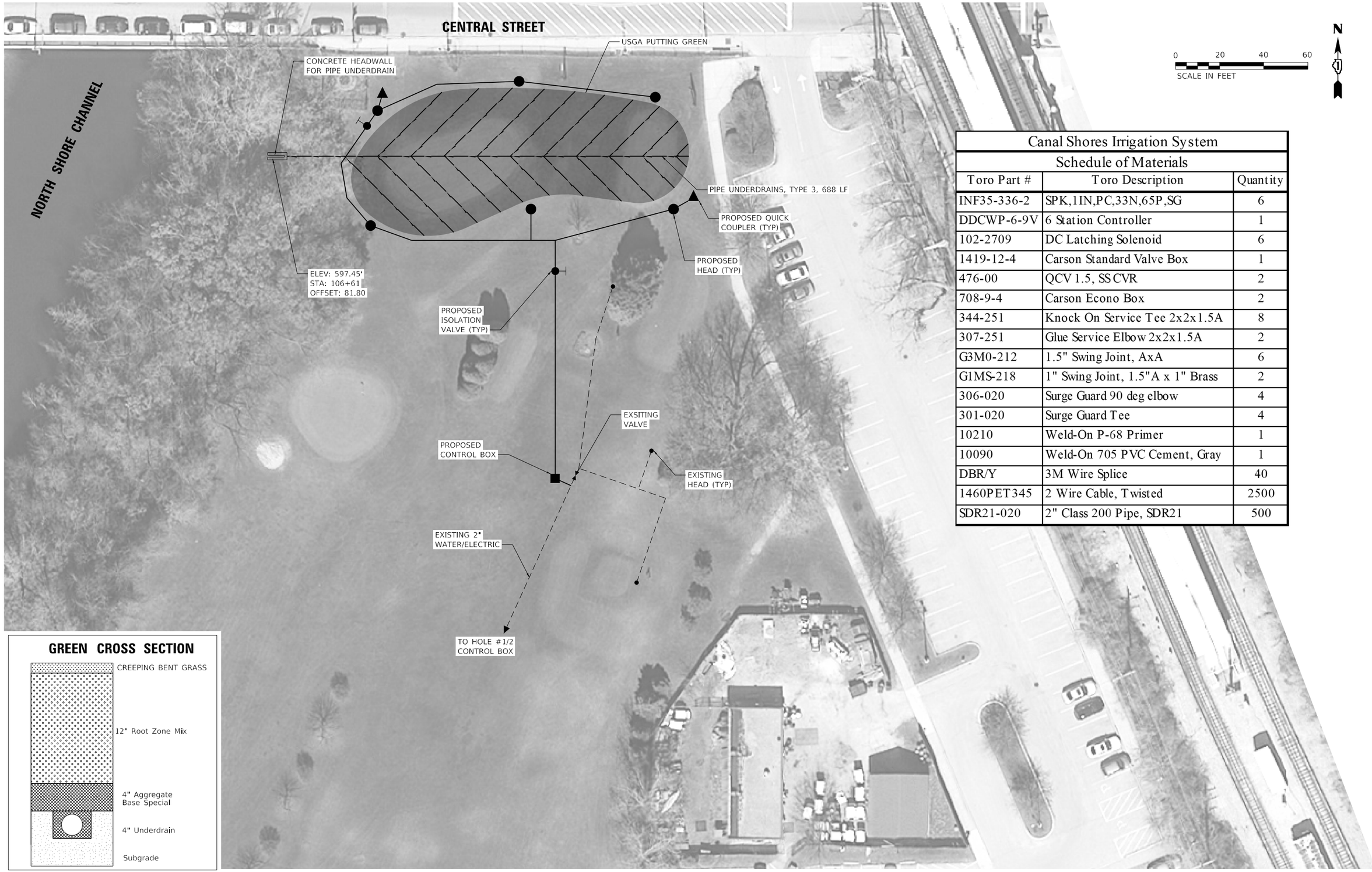
USER NAME = 9695	DESIGNED - CEG	REVISED -	
	DRAWN - DWW	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - PAS	REVISED -	
PLOT DATE = 5/13/2020	DATE - 05-18-2020	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CENTRAL STREET BRIDGE
USGA GREEN RELOCATION PLAN

SCALE: NONE | SHEET 3 OF 6 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1301	16-00278-00-BR	COOK	136	49
		CONTRACT NO. 61F92		
	ILLINOIS	FED. AID PROJECT		



Canal Shores Irrigation System		
Schedule of Materials		
Toro Part #	Toro Description	Quantity
INF35-336-2	SPK,1IN,PC,33N,65P,SG	6
DDCWP-6-9V	6 Station Controller	1
102-2709	DC Latching Solenoid	6
1419-12-4	Carson Standard Valve Box	1
476-00	QCV 1.5, SS CVR	2
708-9-4	Carson Econo Box	2
344-251	Knock On Service Tee 2x2x1.5A	8
307-251	Glue Service Elbow 2x2x1.5A	2
G3M0-212	1.5" Swing Joint, AxA	6
G1MS-218	1" Swing Joint, 1.5"A x 1" Brass	2
306-020	Surge Guard 90 deg elbow	4
301-020	Surge Guard Tee	4
10210	Weld-On P-68 Primer	1
10090	Weld-On 705 PVC Cement, Gray	1
DBR/Y	3M Wire Splice	40
1460PET345	2 Wire Cable, Twisted	2500
SDR21-020	2" Class 200 Pipe, SDR21	500

GREEN CROSS SECTION

MODEL: Default
FILE NAME: Landscaping Plan 4 of 6

USER NAME = 9695	DESIGNED - CEG	REVISED -
	DRAWN - DWW	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - PAS	REVISED -
PLOT DATE = 5/13/2020	DATE - 05-18-2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CENTRAL STREET BRIDGE
USGA PUTTING GREEN PLAN

SCALE: 1"=10' | SHEET 4 OF 6 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1301	16-00278-00-BR	COOK	136	50
		CONTRACT NO. 61F92		
	ILLINOIS	FED. AID PROJECT		

SCHEDULE FOR BERM PERENNIAL PLANTINGS

LABEL	GENUS	SPECIES	AREA (SQUARE FEET)	K0013000 PLUGS	LABEL	GENUS	SPECIES	AREA (SQUARE FEET)	K0013000 PLUGS
A1	Asclepias and Ratbida	Tuberosa and Columnifera	32	32	G4	Liatris and Echinacea	Spicata and Purpurea	24	24
A2	Asclepias and Ratbida	Tuberosa and Columnifera	24	24	H1	Schizachrium SP	Scoparium	52	52
A3	Asclepias and Ratbida	Tuberosa and Columnifera	22	22	H2	Schizachrium SP	Scoparium	27	27
B1	Pancium SP	Virgatum	34	34	H3	Schizachrium SP	Scoparium	37	37
B2	Pancium SP	Virgatum	26	26	I1	Sporobolus	Heterolepis	17	17
B3	Pancium SP	Virgatum	58	58	I2	Sporobolus	Heterolepis	25	25
C1	Amorpha	Canescens	25	25	I3	Sporobolus	Heterolepis	20	20
C2	Amorpha	Canescens	14	14	J1	Dodecatheon	Meadia	17	17
D1	Eupatorium	Maculatum	25	25	J2	Dodecatheon	Meadia	25	25
D2	Eupatorium	Maculatum	12	12	K1	Geranium	Maculatum "Espresso"	27	27
E1	Baptista	Sphaerocarpa	28	28	K2	Geranium	Maculatum "Espresso"	83	83
E2	Baptista	Sphaerocarpa	17	17	K3	Geranium	Maculatum "Espresso"	38	38
E3	Baptista	Sphaerocarpa	29	29	L1	Ruella and Callirhoe	Brittoniana and Involucrata	23	23
F1	Calamagrostis	Acutiflora	45	45	L2	Ruella and Callirhoe	Brittoniana and Involucrata	15	15
F2	Calamagrostis	Acutiflora	70	70	L3	Ruella and Callirhoe	Brittoniana and Involucrata	18	18
F3	Calamagrostis	Acutiflora	32	32	M	Elymus	Canadensis	105	105
G1	Liatris and Echinacea	Spicata and Purpurea	31	31	O1	Viola Pedata	Viola Pedata	19	19
G2	Liatris and Echinacea	Spicata and Purpurea	33	33	O2	Viola Pedata	Viola Pedata	20	20
G3	Liatris and Echinacea	Spicata and Purpurea	42	42	N	Remove & Re-errect Boulders		3 EACH	

SCHEDULE FOR BERM SHRUBS

LABEL	NAME	PAY ITEM CODE	NUMBER (EACH)
Y	Rhus 'Prairie Flame' SP	C2005730	12
Z	Rhus Aromatica	C2005928	7

NOTES:

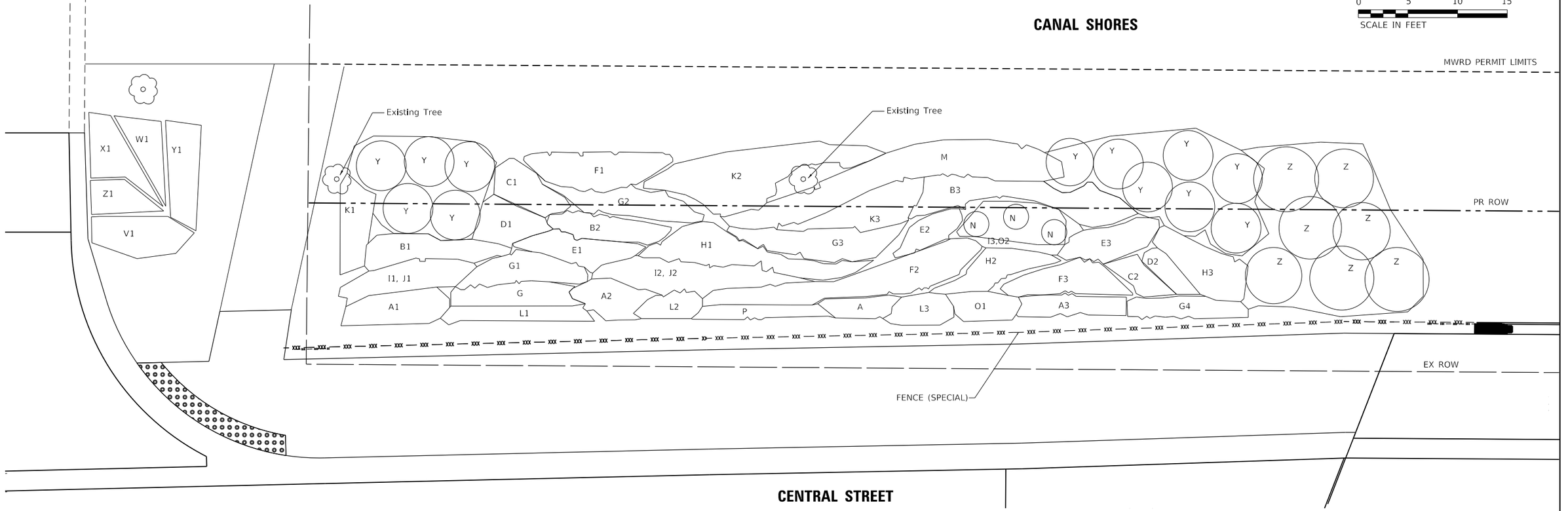
1. CONTRACTOR TO CONFIRM LAYOUT OF BERM WITH CANAL SHORES.
2. ENTIRE AREA OF BERM IS TO BE LAYERED WITH PLANTING SOIL MIX, FURNISH, AND PLACE 6" BEFORE SHRUBS, GRASSES, AND FLOWERS ARE ADDED.

SCHEDULE FOR BRYANT PARKWAY PLANTINGS

LABEL	GENUS	SPECIES	AREA (SQUARE FEET)	K0013000 PLUGS
V1	Asclepias and Ratbida	Tuberosa and Columnifera	34	34
W1	Calamagrostis	Acutiflora	20	20
X1	Liatris and Echinacea	Spicata and Purpurea	28	28
Y1	Geranium	Maculatum "Espresso"	32	32
Z1	Ruella and Callirhoe	Brittoniana and Involucrata	18	18

N

0 5 10 15
SCALE IN FEET



MODEL: Default
FILE NAME: Landscaping Plan 5 of 6

USER NAME = 9695	DESIGNED - CEG	REVISED -	
	DRAWN - DWW	REVISED -	
PLOT SCALE = 10.0000 ' / in.	CHECKED - PAS	REVISED -	
PLOT DATE = 5/13/2020	DATE - 05-18-2020	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CENTRAL STREET BRIDGE
NORTH BERM PLANTING PLAN

SCALE: 1"=5' | SHEET 5 OF 6 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1301	16-00278-00-BR	COOK	136	51
		CONTRACT NO. 61F92		
	ILLINOIS	FED. AID PROJECT		

SCHEDULE FOR BERM PERENNIAL PLANTINGS

LABEL	GENUS	SPECIES	AREA (SQUARE FEET)	K0013000 PLUGS	LABEL	GENUS	SPECIES	AREA (SQUARE FEET)	K0013000 PLUGS
A1	Asclepias and Ratbida	Tuberosa and Columnifera	32	32	G4	Liatris and Echinacea	Spicata and Purpurea	24	24
A2	Asclepias and Ratbida	Tuberosa and Columnifera	24	24	H1	Schizachrium SP	Scoparium	52	52
A3	Asclepias and Ratbida	Tuberosa and Columnifera	22	22	H2	Schizachrium SP	Scoparium	27	27
B1	Pancium SP	Virgatum	34	34	H3	Schizachrium SP	Scoparium	37	37
B2	Pancium SP	Virgatum	26	26	I1	Sporobolus	Heterolepis	17	17
B3	Pancium SP	Virgatum	58	58	I2	Sporobolus	Heterolepis	25	25
C1	Amorpha	Canescens	25	25	I3	Sporobolus	Heterolepis	20	20
C2	Amorpha	Canescens	14	14	J1	Dodecatheon	Meadia	17	17
D1	Eupatorium	Maculatum	25	25	J2	Dodecatheon	Meadia	25	25
D2	Eupatorium	Maculatum	12	12	K1	Geranium	Maculatum "Espresso"	27	27
E1	Baptista	Sphaerocarpa	28	28	K2	Geranium	Maculatum "Espresso"	83	83
E2	Baptista	Sphaerocarpa	17	17	K3	Geranium	Maculatum "Espresso"	38	38
E3	Baptista	Sphaerocarpa	29	29	L1	Ruella and Callirhoe	Brittoniana and Involucrata	23	23
F1	Calamagrostis	Acutiflora	45	45	L2	Ruella and Callirhoe	Brittoniana and Involucrata	15	15
F2	Calamagrostis	Acutiflora	70	70	L3	Ruella and Callirhoe	Brittoniana and Involucrata	18	18
F3	Calamagrostis	Acutiflora	32	32	M	Elymus	Canadensis	105	105
G1	Liatris and Echinacea	Spicata and Purpurea	31	31	O1	Viola Pedata	Viola Pedata	19	19
G2	Liatris and Echinacea	Spicata and Purpurea	33	33	O2	Viola Pedata	Viola Pedata	20	20
G3	Liatris and Echinacea	Spicata and Purpurea	42	42	N	Boulders		3 EACH	

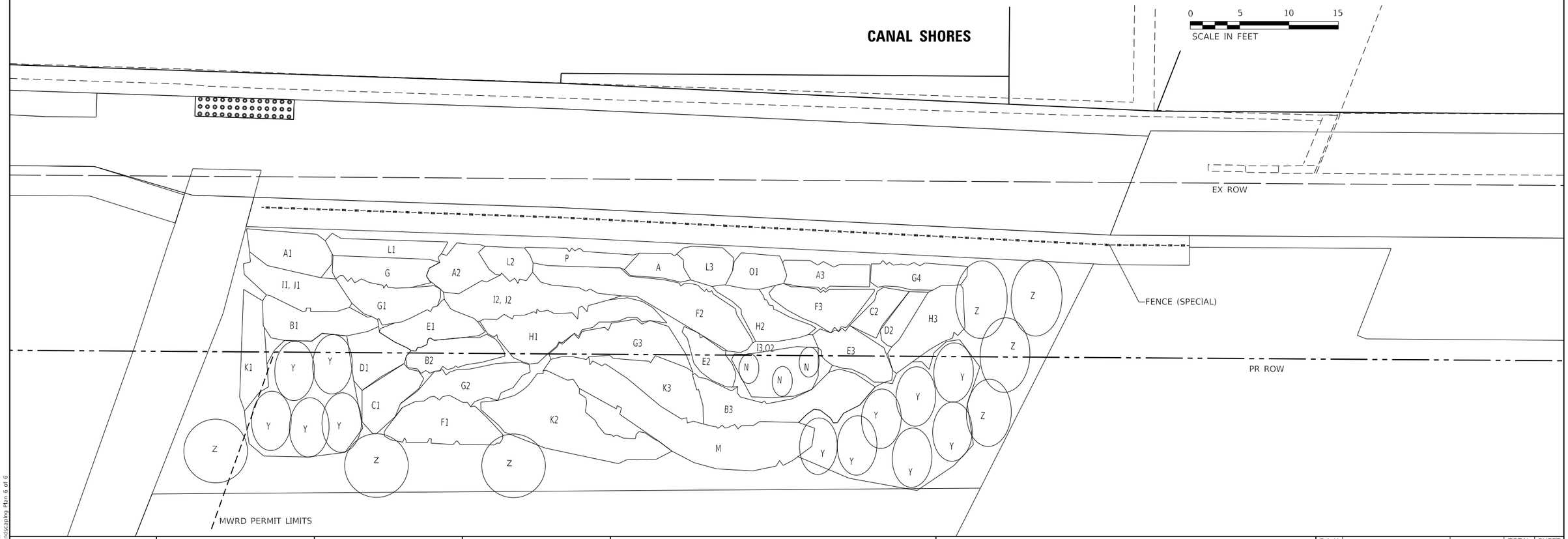
SCHEDULE FOR BERM SHRUBS

LABEL	NAME	PAY ITEM CODE	NUMBER (EACH)
Y	Rhus 'Prairie Flame' SP	C2005730	12
Z	Rhus Aromatica	C2005928	7

N

NOTES:

1. CONTRACTOR TO CONFIRM LAYOUT OF THE BERM WITH CANAL SHORES.
2. ENTIRE AREA OF BERM IS TO BE LAYERED WITH PLANTING SOIL MIX, FURNISH, AND PLACE 6" BEFORE SHRUBS, GRASSES, AND FLOWERS ARE ADDED.



MODEL: Default
FILE NAME: Landscaping Plan 6 of 6

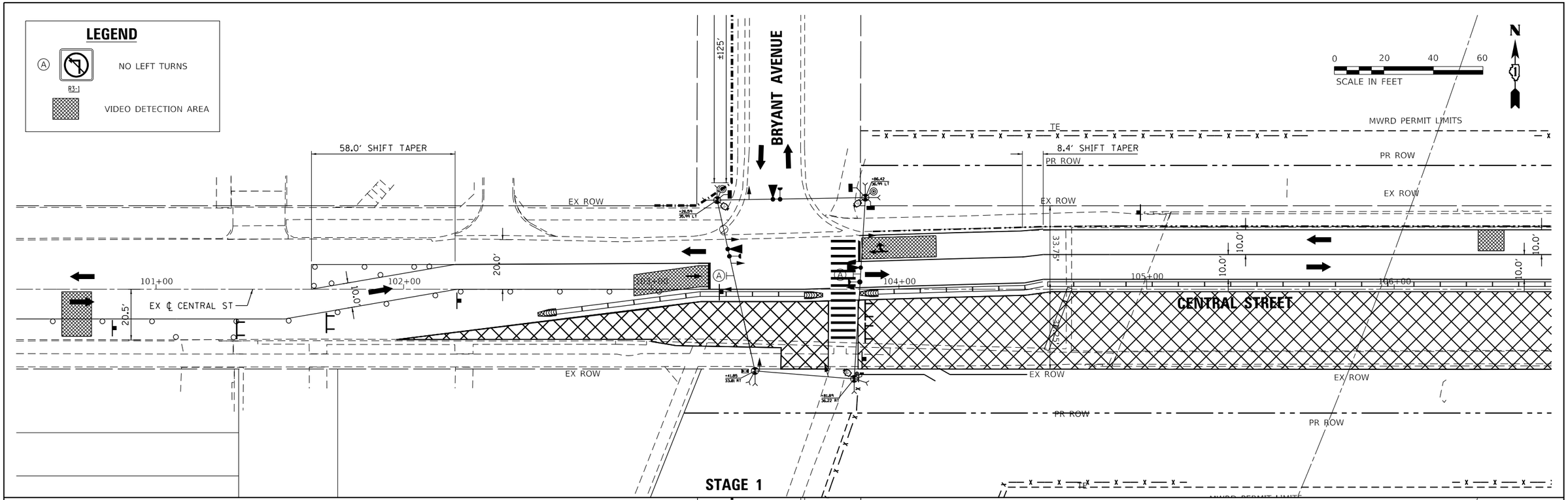
USER NAME = 9695	DESIGNED - CEG	REVISED -
	DRAWN - DWW	REVISED -
PLOT SCALE = 10.0000 ' / in.	CHECKED - PAS	REVISED -
PLOT DATE = 5/13/2020	DATE - 05-18-2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CENTRAL STREET BRIDGE
SOUTH BERM PLANTING PLAN

SCALE: 1"=5' | SHEET 6 OF 6 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1301	16-00278-00-BR	COOK	136	52
		CONTRACT NO. 61F92		
	ILLINOIS	FED. AID PROJECT		



MODEL: Default
FILE NAME: Temp Traffic Signal Plan at Bryant

USER NAME = 9695	DESIGNED - CEG	REVISED -
	DRAWN - DWW	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - PAS	REVISED -
PLOT DATE = 5/13/2020	DATE - 05-18-2020	REVISED -

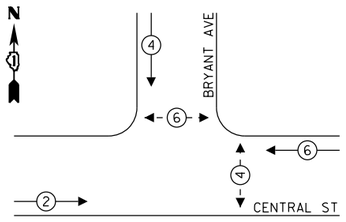
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CENTRAL STREET BRIDGE
TEMPORARY TRAFFIC SIGNAL PLAN

SCALE: 1"=20' | SHEET 1 OF 2 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1301	16-00278-00-BR	COOK	136	53
		CONTRACT NO. 61F92		
	ILLINOIS	FED. AID PROJECT		

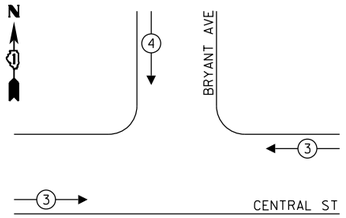
PROPOSED CONTROLLER SEQUENCE



LEGEND:

- PROTECTED PHASE
- PROTECTED/PERMITTED PHASE
- PEDESTRIAN PHASE
- OVERLAP

PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE



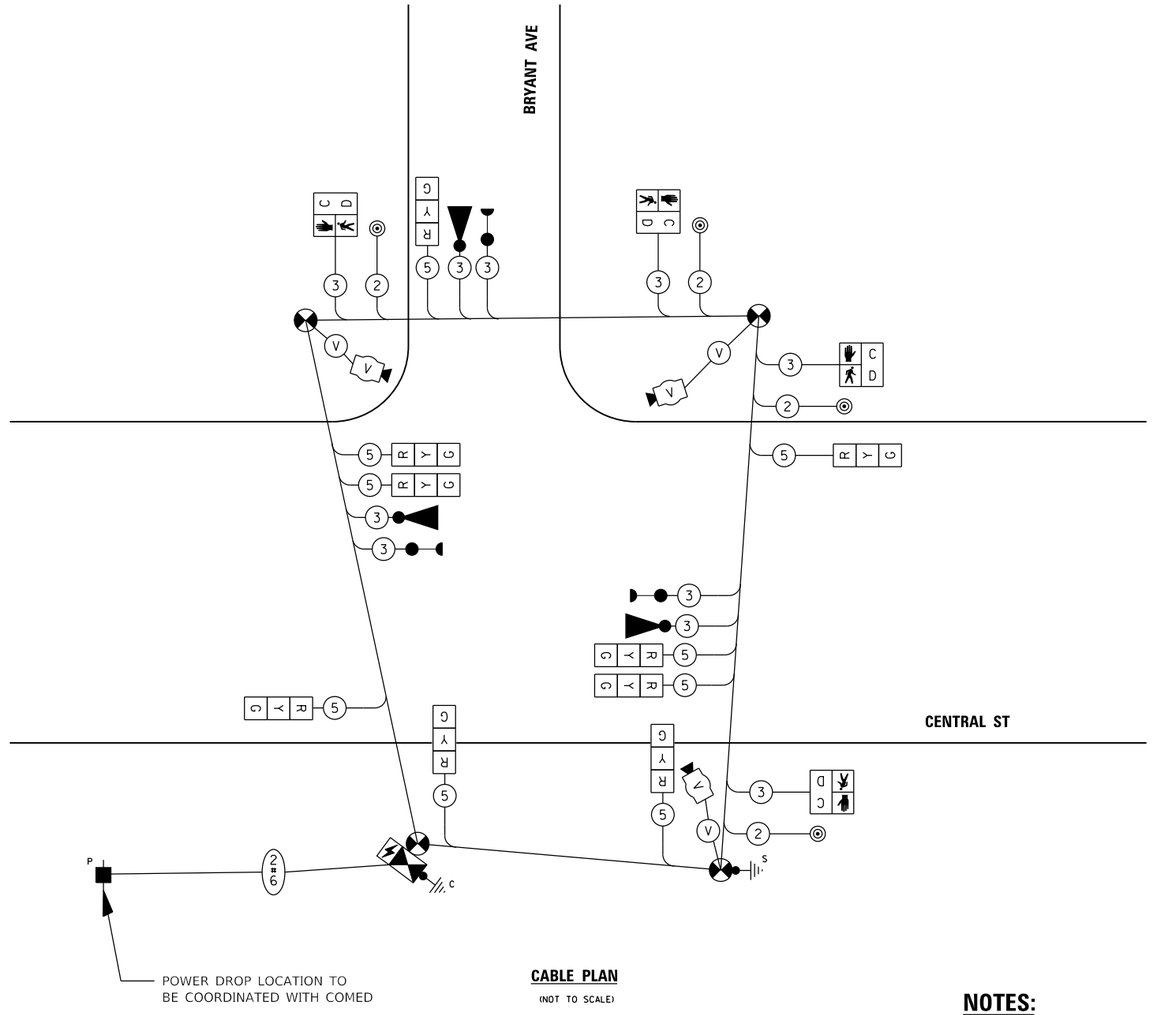
TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	9	11	50	49.5
(YELLOW)	9	20	5	9.0
(GREEN)	9	12	45	48.6
PERMISSIVE ARROW	-	10	10	-
PED. SIGNAL	4	20	100	80.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	1	150	100	150.0
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	-	-	-	-
			TOTAL =	462.1

ENERGY COSTS TO:

CITY OF EVANSTON
2100 RIDGE AVENUE
EVANSTON, IL 60201

ENERGY SUPPLY: CONTACT: LARRY SHANK
PHONE: (847)-816-5465 SRN 04918925
COMPANY: COMED NEW BUSINESS



CABLE PLAN
(NOT TO SCALE)

NOTES:

1. FOR ELECTRICAL UTILITY SERVICE CONNECTION (COMED), CONTACT ARTURO SALVADOR (NEW BUSINESS) AT 847-816-5492, SERVICE REQUEST NUMBER 04918925.

MODEL: Default
FILE NAME: Temp Traffic Signal Cable Plan

USER NAME = 9695	DESIGNED - CEG	REVISED -	
	DRAWN - DWW	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - PAS	REVISED -	
PLOT DATE = 5/13/2020	DATE - 05-18-2020	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CENTRAL STREET BRIDGE
TEMP CABLE PLAN, PHASE DESIGNATION DIAGRAM & EVP SEQUENCE

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1301	16-00278-00-BR	COOK	136	54
		CONTRACT NO. 61F92		
	ILLINOIS FED. AID PROJECT			

NOTES:

1. THIS PROJECT INCLUDES THE REPLACEMENT OF THE EXISTING LIGHTING SYSTEM ON CENTRAL STREET FROM BRYANT AVE TO THE CTA BRIDGE. EXISTING AND PROPOSED LIGHTING IS OWNED AND MAINTAINED BY THE CITY OF EVANSTON UNLESS NOTED OTHERWISE.
2. THE CONTRACTOR SHALL REQUEST A FORMAL MAINTENANCE TRANSFER OF THE LIGHTING SYSTEM FROM THE CITY OF EVANSTON BEFORE ANY LIGHTING WORK, OR OTHERWISE BEGINS.
3. THE QUANTITIES OF RACEWAY WHERE INDICATED ON THESE PLANS ARE APPROXIMATIONS ONLY, THE CONTRACTOR SHALL FIELD VERIFY ALL LENGTHS AND SHALL INSTALL RACEWAYS IN COMPLETE COMPLIANCE WITH THE SPECIFIED REQUIREMENTS.
4. THE CONTRACTOR SHALL NOTIFY J.U.L.I.E. TO LOCATE AND MARK / STAKE ALL UNDERGROUND UTILITIES.
5. THE CONTRACTOR SHALL VERIFY LOCATIONS OF UNDERGROUND/OVERHEAD UTILITIES PRIOR TO INSTALLATION OF LIGHT POLES AND CONDUITS. IF THERE IS A CONFLICT WITH THE LIGHT POLES/CONDUITS AS SHOWN ON PLANS, THE CONTRACTOR SHALL SUGGEST ALTERNATIVE LOCATIONS AND COORDINATE WITH THE ENGINEER PRIOR TO INSTALLATION.
6. TRENCHES FOR LIGHTING RACEWAYS SHALL HAVE A MINIMUM DEPTH OF 30".
7. LIGHTING SYSTEM INSTALLATION SHALL CONFORM TO THE LATEST IDOT STANDARDS, NEC AND LOCAL CODES.
8. ALL ELECTRICAL EQUIPMENT AND PRODUCTS SHALL BE U/L LISTED AND LABELED,
9. THE CONTRACTOR SHALL TAKE CARE WHEN INSTALLING LIGHT POLE FOUNDATIONS TO AVOID CONFLICTS WITH UNDERGROUND UTILITIES. WHEN CONFLICTS ARE ENCOUNTERED, THE CONTRACTOR SHALL REQUEST TO RELOCATE THE FOUNDATION. THE NEW LOCATION SHALL BE APPROVED BY THE ENGINEER PRIOR TO INSTALLATION.

LEGEND

- EXISTING LIGHTING CONTROLLER
- PROPOSED LIGHTING CONTROLLER
- EXISTING COMED POWER DROP 240V
- EXISTING LIGHTING CABLE IN 2" CONDUIT
- REM — EXISTING STREET LIGHT TO BE REMOVED
- ETRA — EXSITING STREET LIGHT TO REMAIN ACTIVE DURING STAGE
- GROUND ROD 5/8" X 10 FT
- PROPOSED ARCHITECTURAL LIGHT UNIT
- PROPOSED LIGHT POLE
- — A — AERIAL CABLE, 2-1/C NO. 8 WITH MESSENGER WIRE
- ELECTRICAL CABLE IN CONDUIT, 600 V (XLP-TYPE USE) 3-1/C NO. 6, 1/C NO. 6 GROUND
- EXISTING HANDHOLE
- PROPOSED HANDHOLE

LIGHTING BILL OF MATERIALS

PAY ITEM NAME	UNIT	QUANTITY
LOCATING UNDERGROUND CABLE	FOOT	100
CONDUIT ENCASED IN CONCRETE, 2" DIA, PVC	FOOT	921
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	289
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	448
HANDHOLE	EACH	5
600V, 3-1C NO. 6, 1/C NO.8 GROUND, (XLP TYPE USE), 1" DIA. POLYETHYLENE	FOOT	1660
AERIAL CABLE, 2-1/C NO.8 WITH MESSENGER WIRE	FOOT	100
LIGHT POLE FOUNDATION, 30" DIAMETER	EACH	6
REMOVAL OF LIGHTING UNIT, NO SALVAGE	EACH	8
REMOVAL OF POLE FOUNDATION	EACH	6
REMOVAL OF LIGHTING CONTROLLER	EACH	1
DRILL EXISTING HANDHOLE	EACH	1
REBUILD EXISTING HANDHOLE	EACH	1
LIGHTING UNIT COMPLETE, SPECIAL	EACH	6
LIGHT POLE, SPECIAL	EACH	3
LIGHTING UNIT COMPLETE, SPECIAL, FURNISH	EACH	1
LIGHT POLE, SPECIAL, FURNISH	EACH	1
LIGHTING CONTROLLER, SPECIAL	EACH	1
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	18

TRAFFIC SIGNAL BILL OF MATERIALS

PAY ITEM NAME	UNIT	QUANTITY
LOCATING UNDERGROUND CABLE	FOOT	100
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	86
UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 1" DIA.	FOOT	10
HANDHOLE	EACH	1
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
MAINTENANCE OF EXISTING FLASHING BEACON INSTALLATION	EACH	1
DRILL EXISTING HANDHOLE	EACH	1
DETECTOR LOOP REPLACEMENT	FOOT	30
TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, DETECTOR UNIT	EACH	1
RELOCATE EXISTING FLASHING BEACON	EACH	1
REMOVE EXISTING HANDHOLE	EACH	1
ELECTRIC SERVICE INSTALLATION, SPECIAL	EACH	1
CONCRETE FOUNDATION, TYPE A	EACH	2
REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	172
REMOVE EXISTING CONCRETE FOUNDATION	EACH	1117

MODEL: Default
FILE NAME: 20768-ini-035-Lighting Notes

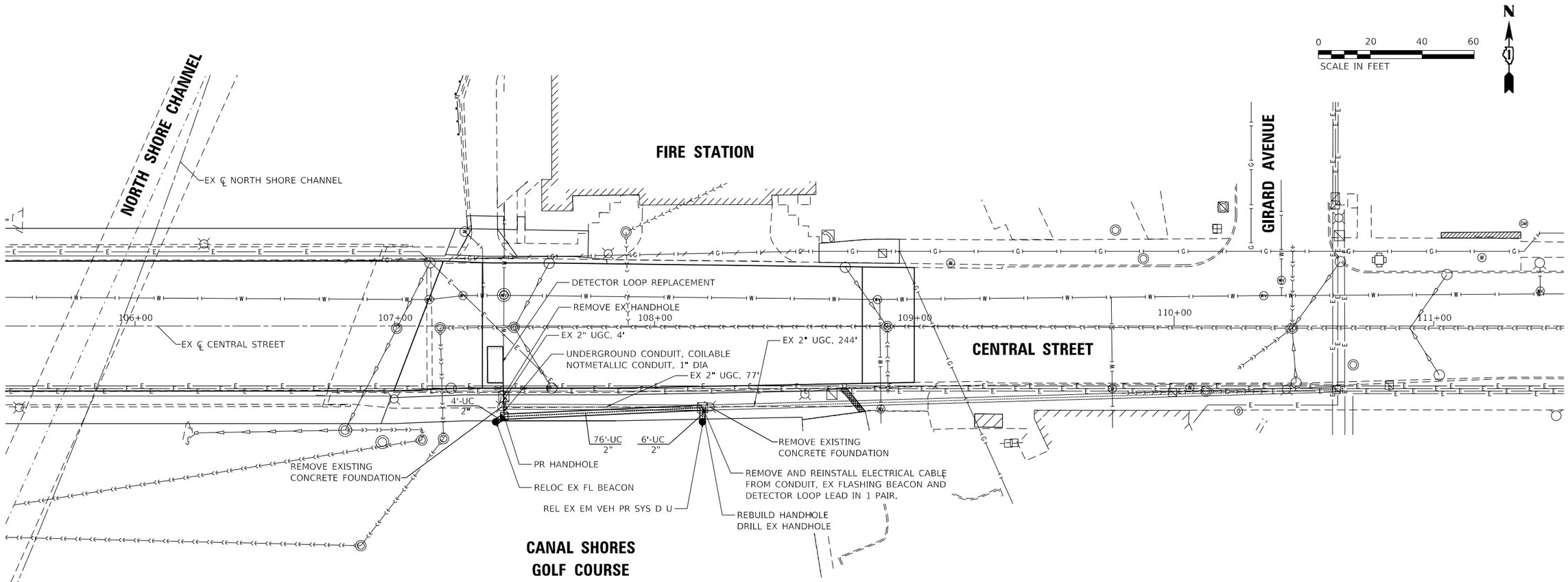
USER NAME = 9695	DESIGNED - CEG	REVISED -
	DRAWN - DWW	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - PAS	REVISED -
PLOT DATE = 5/13/2020	DATE - 05-18-2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CENTRAL STREET BRIDGE
ELECTRICAL NOTES

SCALE: NONE | SHEET 1 OF 9 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1301	16-00278-00-BR	COOK	136	55
		CONTRACT NO. 61F92		
	ILLINOIS	FED. AID PROJECT		



MODEL: Default
FILE NAME: Traffic Signal Equipment Relocation

USER NAME = 9695	DESIGNED - CEG	REVISED -	
	DRAWN - CEG	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - PAS	REVISED -	
PLOT DATE = 5/13/2020	DATE - 05-18-2020	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CENTRAL STREET BRIDGE
TRAFFIC SIGNAL RELOCATION PLAN

SCALE: 1"=20' | SHEET 2 OF 9 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1301	16-00278-00-BR	COOK	136	56
		CONTRACT NO. 61F92		
	ILLINOIS FED. AID PROJECT			

F.A.P. RTE.	SECTION	CITY	COUNTY	TOTAL SHEETS	SHEET NO.
		EVANSTON	COOK	19	10

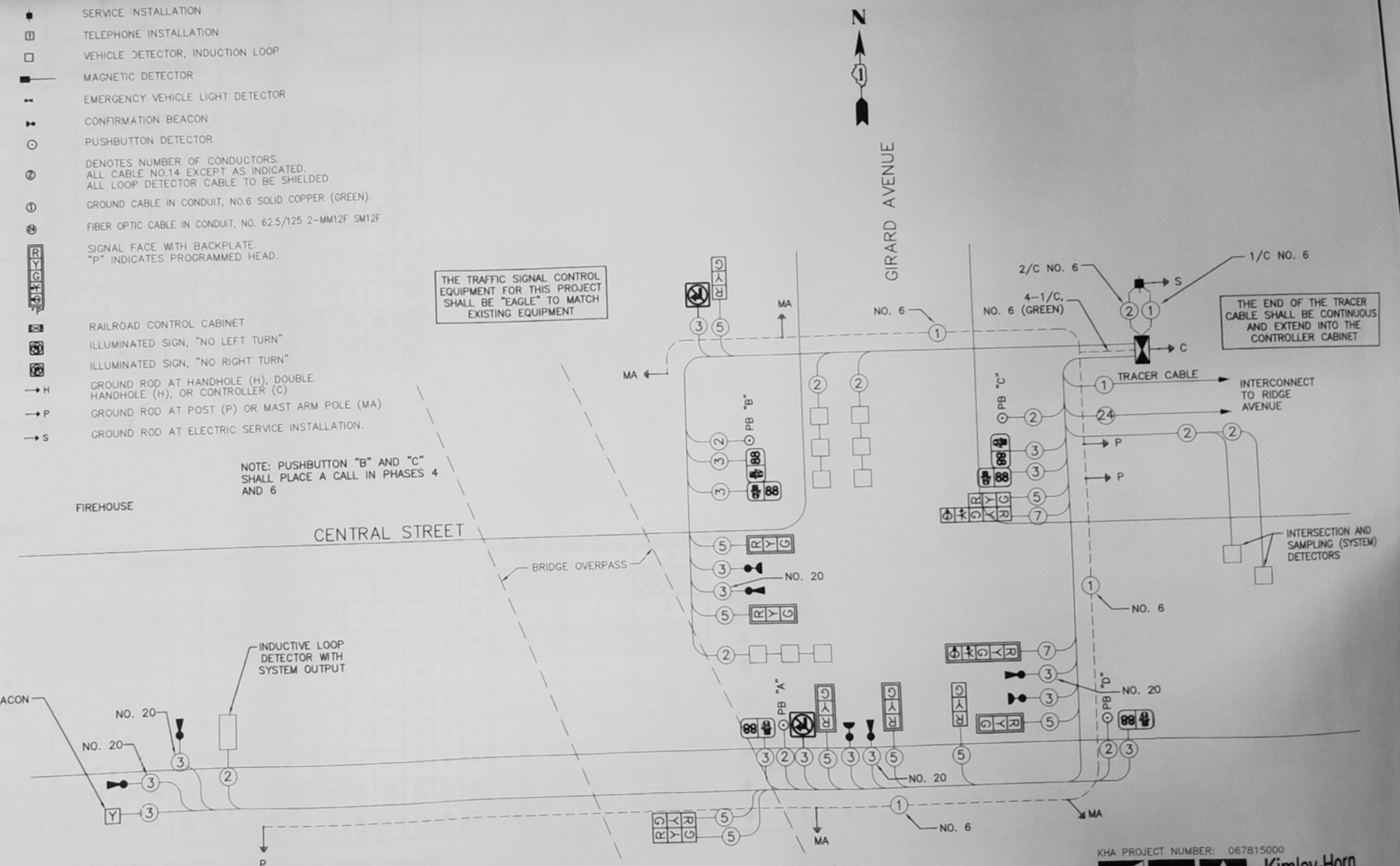
SCHEDULE OF QUANTITIES

PAY ITEM	UNIT	QUANTITY
CONDUIT IN TRENCH, 2" DIA, GALVANIZED STEEL	FOOT	493
CONDUIT PUSHED, 2" DIA, GALVANIZED STEEL	FOOT	124
CONDUIT IN TRENCH, 2 1/2" DIA, GALVANIZED STEEL	FOOT	109
CONDUIT IN TRENCH, 4" DIA, GALVANIZED STEEL	FOOT	10
CONDUIT PUSHED, 4" DIA, GALVANIZED STEEL	FOOT	166
SIDEWALK REMOVAL	SQ FT	80
SIGN PANEL – TYPE 1	SQ FT	28.5
PAINT PAVEMENT MARKING REMOVAL	SQ FT	260
HANDHOLE	EACH	4
HEAVY-DUTY HANDHOLE	EACH	1
DOUBLE HANDHOLE	EACH	1
TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	500
TRANCEIVER – FIBER OPTIC	EACH	1
ELECTRIC CABLE IN CONDUIT, GROUNDING, NO. 6 1C	FOOT	515
ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 2C	FOOT	1,827
ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 3C	FOOT	2,065
ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 5C	FOOT	1,184
ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 7C	FOOT	196
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1,250
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C	FOOT	28
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	720
TRAFFIC SIGNAL POST, GALVANIZED STEEL, 10FT	EACH	1
TRAFFIC SIGNAL POST, GALVANIZED STEEL, 16FT	EACH	1
TRAFFIC SIGNAL POST, GALVANIZED STEEL, 18FT	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 20 FT	EACH	2
STEEL MAST ARM ASSEMBLY AND POLE, 26 FT	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	12
CONCRETE FOUNDATION, TYPE E, 30-INCH DIAMETER	FOOT	45
SIGNAL HEAD, L.E.D. 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	5
SIGNAL HEAD, L.E.D. 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	5
SIGNAL HEAD, L.E.D. 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	1
SIGNAL HEAD, L.E.D. 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	1
PEDESTRIAN SIGNAL HEAD, L.E.D. 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	2
PEDESTRIAN SIGNAL HEAD, L.E.D. 2-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	2
TRAFFIC SIGNAL BACKPLATE	EACH	6
INDUCTIVE LOOP DETECTOR	EACH	6
DETECTOR LOOP, TYPE 1	FOOT	400
LIGHT DETECTOR	EACH	5
LIGHT DETECTOR AMPLIFIER	EACH	1
PEDESTRIAN PUSHBUTTON	EACH	4
ILLUMINATED SIGN, FIBER OPTIC	EACH	2
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING HANDHOLE	EACH	3
CONCRETE FOUNDATION, TYPE D	EACH	1
FULL ACTUATED CONTROLLER AND TYPE IV CABINET (SPECIAL)	EACH	1
SERVICE INSTALLATION, GROUND MOUNT	EACH	1
THERMOPLASTIC PAVEMENT MARKING LINE, WHITE, 4"	FOOT	175
THERMOPLASTIC PAVEMENT MARKING LINE, WHITE, 6"	FOOT	260
THERMOPLASTIC PAVEMENT MARKING LINE, WHITE, 24"	FOOT	242
THERMOPLASTIC PAVEMENT MARKING LETTERS AND SYMBOLS	SQ.FT.	51.3
TRAFFIC SIGNAL POST, GALVANIZED STEEL 10 FT.	EACH	1
TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING CONCRETE FOUNDATION	EACH	1
POST MOUNTED FLASHING BEACON INSTALLATION	EACH	1

CABLE PLAN LEGEND

EXISTING / PROPOSED

- 8" (200MM) TRAFFIC SIGNAL SECTION
- 12" (300MM) TRAFFIC SIGNAL SECTION
- 12" (300MM) PEDESTRIAN SIGNAL SECTION
- PEDESTRIAN COUNTDOWN HEAD, L.E.D.
- CONTROLLER CABINET
- SERVICE INSTALLATION
- TELEPHONE INSTALLATION
- VEHICLE DETECTOR, INDUCTION LOOP
- MAGNETIC DETECTOR
- EMERGENCY VEHICLE LIGHT DETECTOR
- CONFIRMATION BEACON
- PUSHBUTTON DETECTOR
- DENOTES NUMBER OF CONDUCTORS. ALL CABLE NO.14 EXCEPT AS INDICATED. ALL LOOP DETECTOR CABLE TO BE SHIELDED.
- GROUND CABLE IN CONDUIT, NO.6 SOLID COPPER (GREEN).
- FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125 2-MM12F SM12F
- SIGNAL FACE WITH BACKPLATE. "P" INDICATES PROGRAMMED HEAD.
- RAILROAD CONTROL CABINET
- ILLUMINATED SIGN, "NO LEFT TURN"
- ILLUMINATED SIGN, "NO RIGHT TURN"
- H/C → H: GROUND ROD AT HANDHOLE (H), DOUBLE HANDHOLE (H), OR CONTROLLER (C)
- P → P: GROUND ROD AT POST (P) OR MAST ARM POLE (MA)
- S → S: GROUND ROD AT ELECTRIC SERVICE INSTALLATION.



CABLE PLAN
NOT TO SCALE

CENTRAL STREET AT GIRARD AVENUE ENERGY USE SUMMARY

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS				TOTAL WATTAGE
TYPE	NO. LAMPS	L.E.D. WATTAGE	% OPERATIONS	
SIGNAL (RED)	12	17	0.50	102.0
(YELLOW)	12	25	0.25	75.0
(GREEN)	12	15	0.25	45.0
ARROW	4	12	0.10	4.8
PED. SIGNAL	4	29	1.00	116.0
CONTROLLER	1	100	1.00	100.0
ILLUM. SIGN	2	84	0.05	8.4
FLASHER	1	25	0.50	12.5
			TOTAL=	463.7

ENERGY COSTS – BILLED TO (ADDRESS): CITY OF EVANSTON, 2100 RIDGE AVENUE, EVANSTON, IL 60201

ENERGY SUPPLY – CONTACT: MIKE LYNCH
PHONE: 847-816-5331
COMPANY: COMED

FOUNDATION (DEPTH)	(FT.)	CABLE SLACK	(FT.)	VERTICAL	(FT.)
TYPE A – POST	4	HANDHOLE	6.5	ALL FOUNDATIONS	3.5
D – CONTROLLER	4	DOUBLE HANDHOLE	13	MAST ARM (L) POLE	20'+L-2
E – M ARM POLE	12	SIGNAL POST	2	BRACKET MOUNTED	13
24"	10	CONTROLLER CABINET	1	PED. PUSH BUTTON	4
30"	15	FIBER OPTIC	13	ELECTRIC SERVICE	13.5
		ELECTRIC SERVICE	1	SERVICE TO GROUND	13.5
		GROUND CABLE	1	POST MOUNTED	6

KHA PROJECT NUMBER: 067815000

Kimley-Horn and Associates, Inc.

205 West Wacker Drive, Suite 2125
Chicago, Illinois 60606
Tel. No. (312) 726 9445
Fax No. (312) 726 9449

THOMAS P. PAOLUCCHI 062-056747 REGISTERED PROFESSIONAL ENGINEER OF STATE OF ILLINOIS
4/18/07
DFP 11/30/07

REVISIONS	
NAME	DATE
PER IDOT	3/27/07
PER IDOT	4/18/07

ILLINOIS DEPARTMENT OF TRANSPORTATION
SCHEDULE OF QUANTITIES, CABLE PLAN, AND PHASE DESIGNATION DIAGRAM
CENTRAL STREET AT GIRARD AVENUE

SCALE NOT TO SCALE
DATE 01/30/07
DRAWN BY KG
DESIGNED BY DH
CHECKED BY DH

USER NAME = 9695	DESIGNED - CEG	REVISED -
	DRAWN - DWW	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - PAS	REVISED -
PLOT DATE = 5/13/2020	DATE - 05-18-2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CENTRAL STREET BRIDGE
GIRARD EXISTING TRAFFIC SIGNAL PLANS

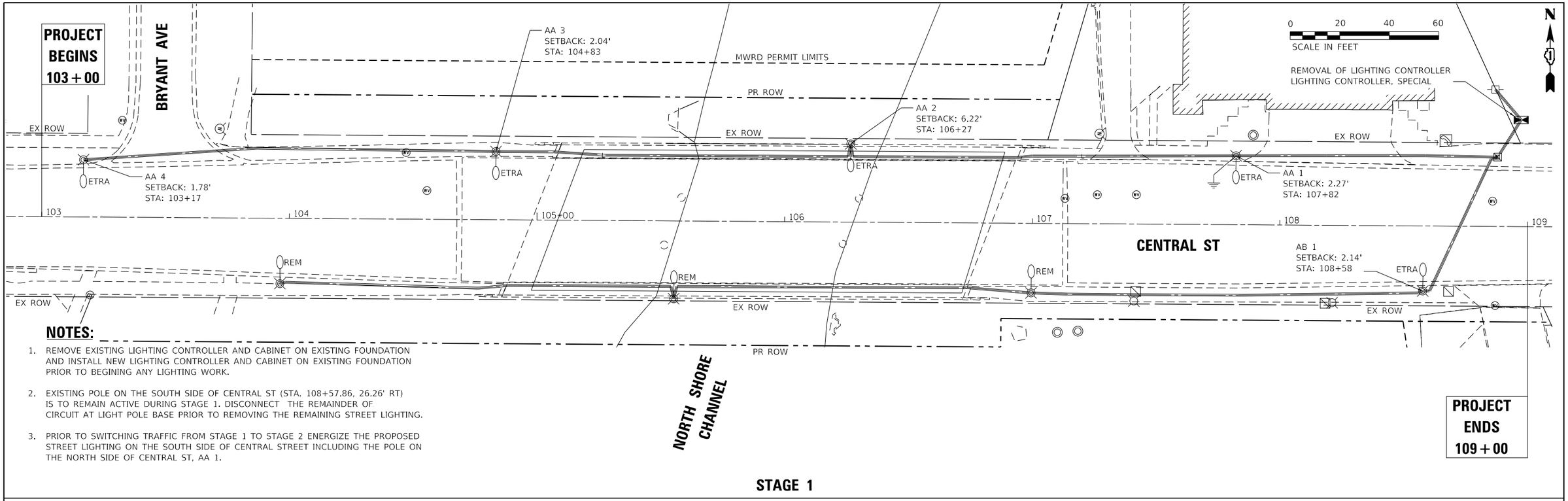
SCALE: NONE | SHEET 3 OF 9 SHEETS | STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1301	16-00278-00-BR	COOK	136	57

CONTRACT NO. 61F92

ILLINOIS | FED. AID PROJECT

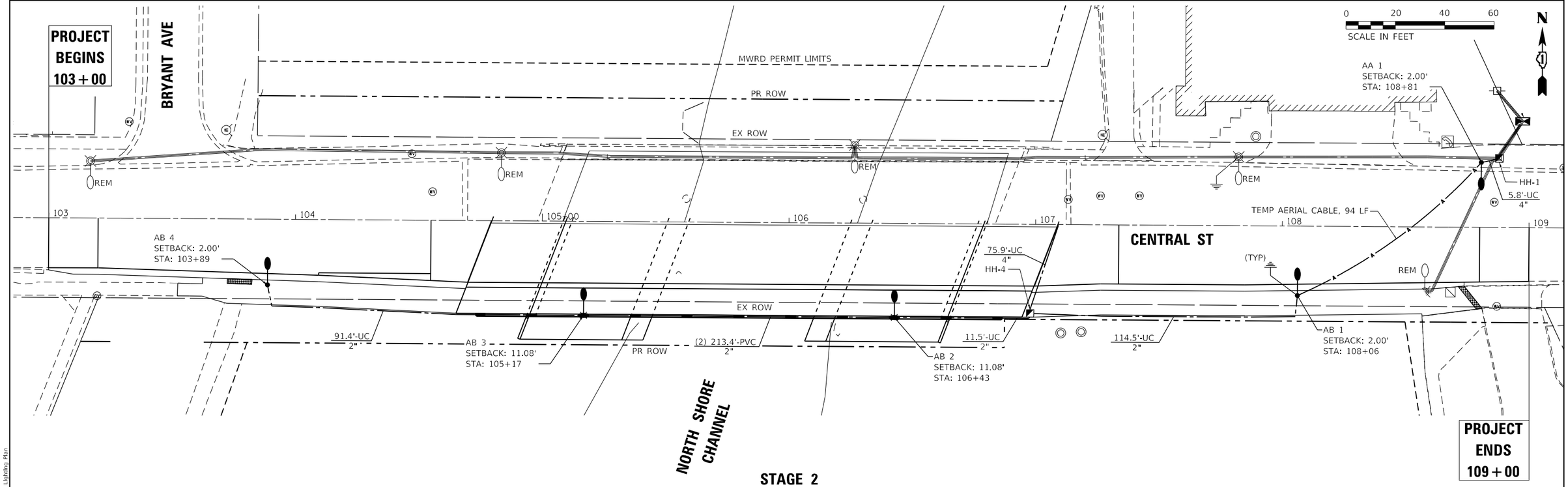
MODEL: Default
FILE NAME: Girard Traffic Signal Plan.dgn



NOTES:

1. REMOVE EXISTING LIGHTING CONTROLLER AND CABINET ON EXISTING FOUNDATION AND INSTALL NEW LIGHTING CONTROLLER AND CABINET ON EXISTING FOUNDATION PRIOR TO BEGINING ANY LIGHTING WORK.
2. EXISTING POLE ON THE SOUTH SIDE OF CENTRAL ST (STA. 108+57.86, 26.26' RT) IS TO REMAIN ACTIVE DURING STAGE 1. DISCONNECT THE REMAINDER OF CIRCUIT AT LIGHT POLE BASE PRIOR TO REMOVING THE REMAINING STREET LIGHTING.
3. PRIOR TO SWITCHING TRAFFIC FROM STAGE 1 TO STAGE 2 ENERGIZE THE PROPOSED STREET LIGHTING ON THE SOUTH SIDE OF CENTRAL STREET INCLUDING THE POLE ON THE NORTH SIDE OF CENTRAL ST, AA 1.

STAGE 1



STAGE 2

MODEL: Default
FILE NAME: Temp Lighting Plan

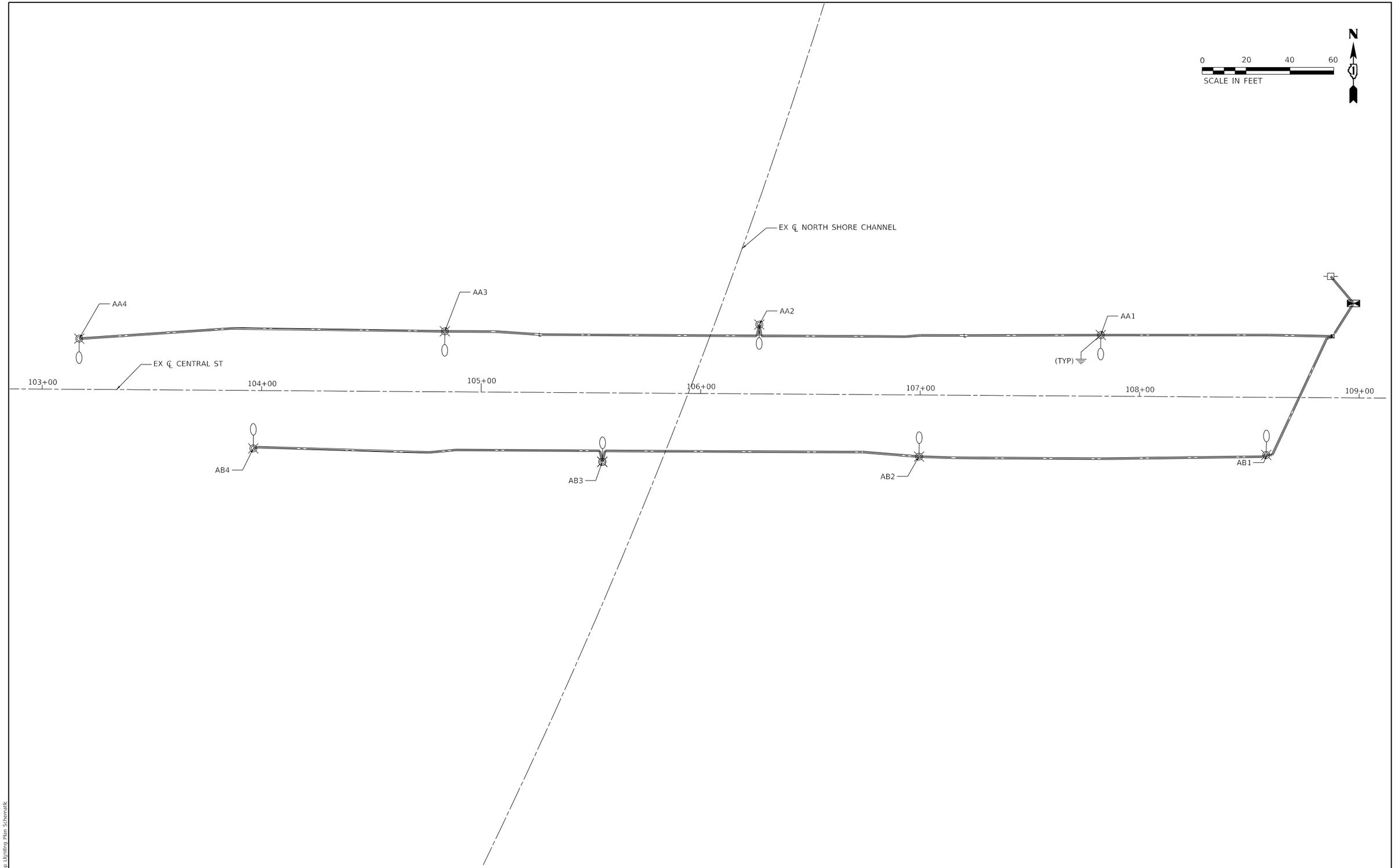
USER NAME = 9695	DESIGNED - CEG	REVISED -	
	DRAWN - DWW	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - PAS	REVISED -	
PLOT DATE = 5/13/2020	DATE - 05-18-2020	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CENTRAL STREET BRIDGE
TEMPORARY LIGHTING PLAN

SCALE: 1"=20' | SHEET 4 OF 9 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1301	16-00278-00-BR	COOK	136	58
		CONTRACT NO. 61F92		
	ILLINOIS	FED. AID PROJECT		



MODEL: Default
FILE NAME: ExbTemp Lighting Plan Schematic

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	DRAWN - DWW	REVISED -	
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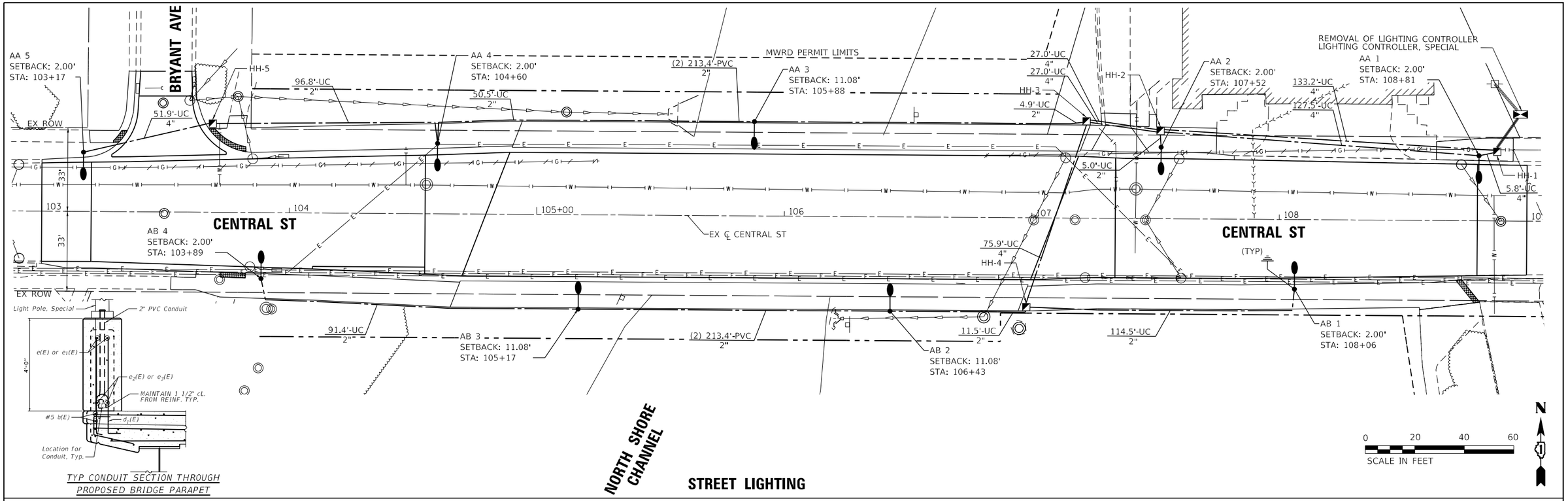
PLOT DATE = 5/13/2020	DATE - 05-18-2020	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CENTRAL STREET BRIDGE
EXISTING LIGHTING PLAN

SCALE: 1"=20' | SHEET 5 OF 9 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1301	16-00278-00-BR	COOK	136	59
		CONTRACT NO. 61F92		
	ILLINOIS FED. AID PROJECT			



MODEL: Default
FILE NAME: Permanent Lighting Plan

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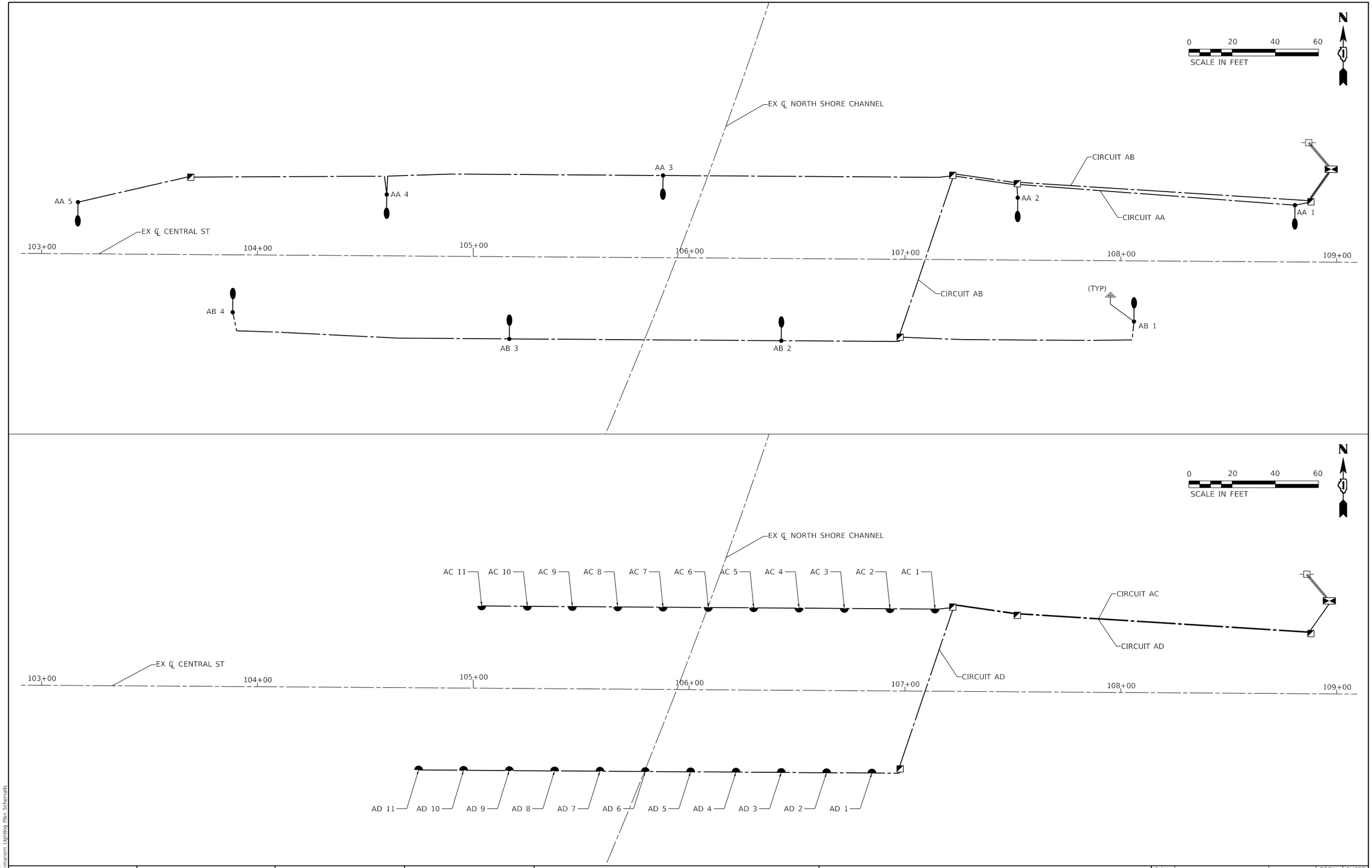
	DRAWN - DWW	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - PAS	REVISED -
PLOT DATE = 5/13/2020	DATE - 05-18-2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CENTRAL STREET BRIDGE
PROPOSED LIGHTING PLAN

SCALE: 1"=20' | SHEET 6 OF 9 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1301	16-00278-00-BR	COOK	136	60
		CONTRACT NO. 61F92		
		ILLINOIS	FED. AID PROJECT	



MODEL: Default
FILE NAME: Permanent Lighting Plan Schematic

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	DRAWN - DWW	REVISED -
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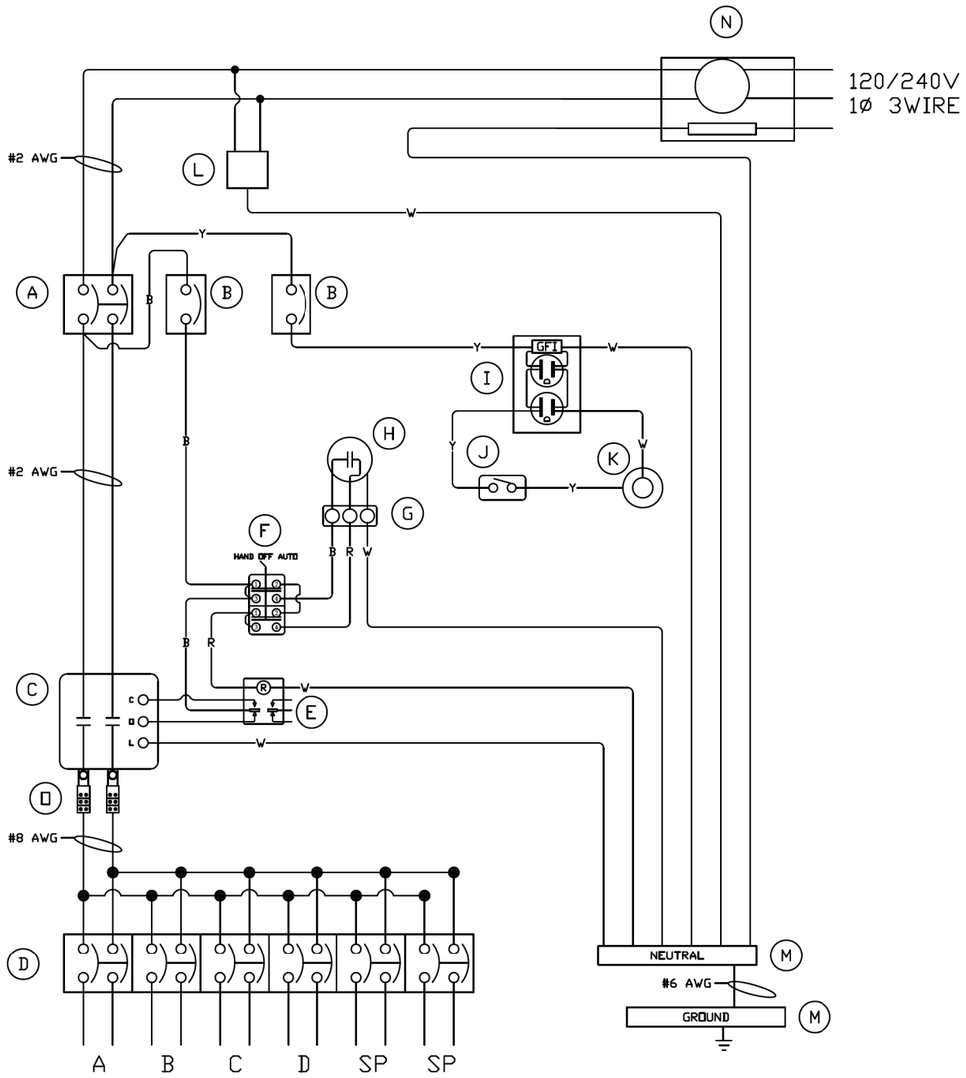
PLOT DATE = 5/13/2020	DATE - 05-18-2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CENTRAL STREET BRIDGE
PROPOSED LIGHTING PLAN

SCALE: 1"=20' | SHEET 7 OF 9 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1301	16-00278-00-BR	COOK	136	61
		CONTRACT NO. 61F92		
	ILLINOIS	FED. AID PROJECT		



BILL OF MATERIALS

ITEM	QTY	DESCRIPTION
A	1	C.H. FD2100L 2P/100A MAIN BREAKER
B	2	C.H. EHD1015LZ04 1P/15A CONTROL BREAKER
C	1	SQ.D 8903SQD10 2P/100A CONTACTOR 120V COIL
D	6	C.H. EHD2030L 2P/30A BRANCH BREAKER
E	1	SQ.D ZELIO RPF2BF7 120V COIL RELAY
F	1	SQ.D 9001KYK111 H.O.A. SWITCH
G	1	CINCH 3PT TERMINAL BLOCK
H	1	INTERMATIC K4021C 120V PHOTOCELL
I	1	HUBBELL GFRST20I 20A GFCI RECPT.
J	1	MICRO BA-2RQ1-A2 DOOR SWITCH
K	1	RAB VX100DG LIGHT FIXTURE
L	1	SQ.D SDSA1175 SURGE ARRESTER
M	2	12" x 1" x 1/4" GROUND/NEUTRAL BUS
N	1	MILBANK U8949-RL-TG-KK W/ TOP PLATE
O	2	DISTRIBUTION BLOCK

NOTES:

1. ALL POWER WIRING WILL BE RHH/RHW
2. ALL CONTROL WIRING WILL BE #12 MTW
3. WIRE COLORS:
   - BL = BLUE
   - W = WHITE
   - B = BLACK
   - R = RED
   - Y = YELLOW
   - G = GREEN
4. (#) = CKT#

EXCEL LTD. INC.

888 EAST BELVIDERE ROAD
UNIT 405
GRAYSLAKE , IL. 60030

PHONE : 847-543-9138
FAX : 847-543-9230
WWW.EXCELLTDINC.COM

SCALE: NTS	APPROVED BY:	DRAWN BY: CDB
DATE: 2/22/19		REVISED:

CITY OF EVANSTON
STREET LIGHTING

LIGHTING CONTROLLER

DRAWING NUMBER: EXLEV240V100A

MODEL: Default
FILE NAME: Controller Detail

USER NAME = 9695	DESIGNED - CEG	REVISED -
	DRAWN - DWW	REVISED -
PLOT SCALE = 10.0000 ' / in.	CHECKED - PAS	REVISED -
PLOT DATE = 5/13/2020	DATE - 05-18-2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CENTRAL STREET BRIDGE
CONTROLLER DETAILS

SCALE: N.T.S. | SHEET 8 OF 9 SHEETS | STA. | TO STA.

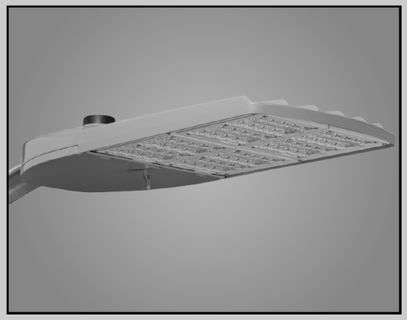
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1301	16-00278-00-BR	COOK	136	62
		CONTRACT NO. 61F92		
	ILLINOIS FED. AID PROJECT			

Autobahn Series ATB2

Roadway Lighting

Consistent with LEED® goals & Green Globes™ criteria for light pollution reduction

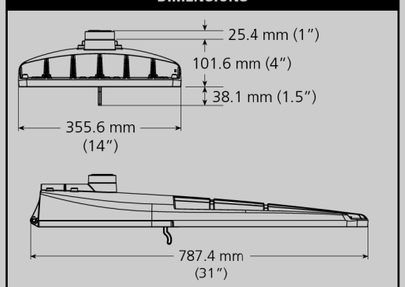
PRODUCT OVERVIEW



Applications:

- Roadways
- Off ramps
- Residential streets
- Parking lots

DIMENSIONS



Effective Projected Area (EPA)
The EPA for the ATB2 is 0.78 sq. ft.,
Approx. Wt. = 21 lbs. (9.53 kg)

STANDARDS

DesignLights Consortium® (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.

Color temperatures of ≤ 3000K must be specified for International Dark-Sky Association certification.

Rated for -40°C to 40°C ambient.
CSA Certified to U.S. and Canadian standards
Complies with ANSI: C136.2, C136.10, C136.14, C136.31, C136.15, C136.37

Note: Specifications subject to change without notice.

Autobahn Series – AEL_0109_ATB2

Features:

OPTICAL

Same Light: Performance is comparable to 250-400W HPS roadway luminaires.

White Light: Correlated color temperature - 4000K, 70 CRI minimum, 3000K, 70CRI minimum or optional 5000K, 70 CRI minimum.

Unique IP66 rated LED light engines provided 0% uplight and restrict backlight to within sidewalk depth, providing optimal application coverage and optimal pole spacing.

Available in Type II, III, IV, & V roadway distributions.

ELECTRICAL

Expected Life: LED light engines are rated >100,000 hours at 25°C, L70. Electronic driver has an expected life of 100,000 hours at a 25°C ambient.

Lower Energy: Saves an average of 40-60% over comparable HPS platforms.

Robust Surge Protection: Three different surge protection options provide a minimum of ANSI C136.2 10kV/5kA protection. 20kV/10kA protection is also available.

MECHANICAL

Easy to Maintain: Includes standard AEL lineman-friendly features such as tool-less entry, 3 station terminal block and quick disconnects. Bubble level located inside the electrical compartment for easy leveling at installation.

Rugged die-cast aluminum housing is polyester powder-coated for durability and corrosion resistance. Rigorous five-stage pre-treating and painting process yields a finish that achieves a scribe creepage rating of 7 (per ASTM D1654) after over 5000 hours exposure to salt fog chamber (operated per ASTM B117).

Four-bolt mast arm mount is adjustable for arms from 1-1/4" to 2" (1-5/8" to 2-3/8" O.D.) diameter and provides a 3G vibration rating per ANSI C136.

Wildlife shield is cast into the housing (not a separate piece).

CONTROLS

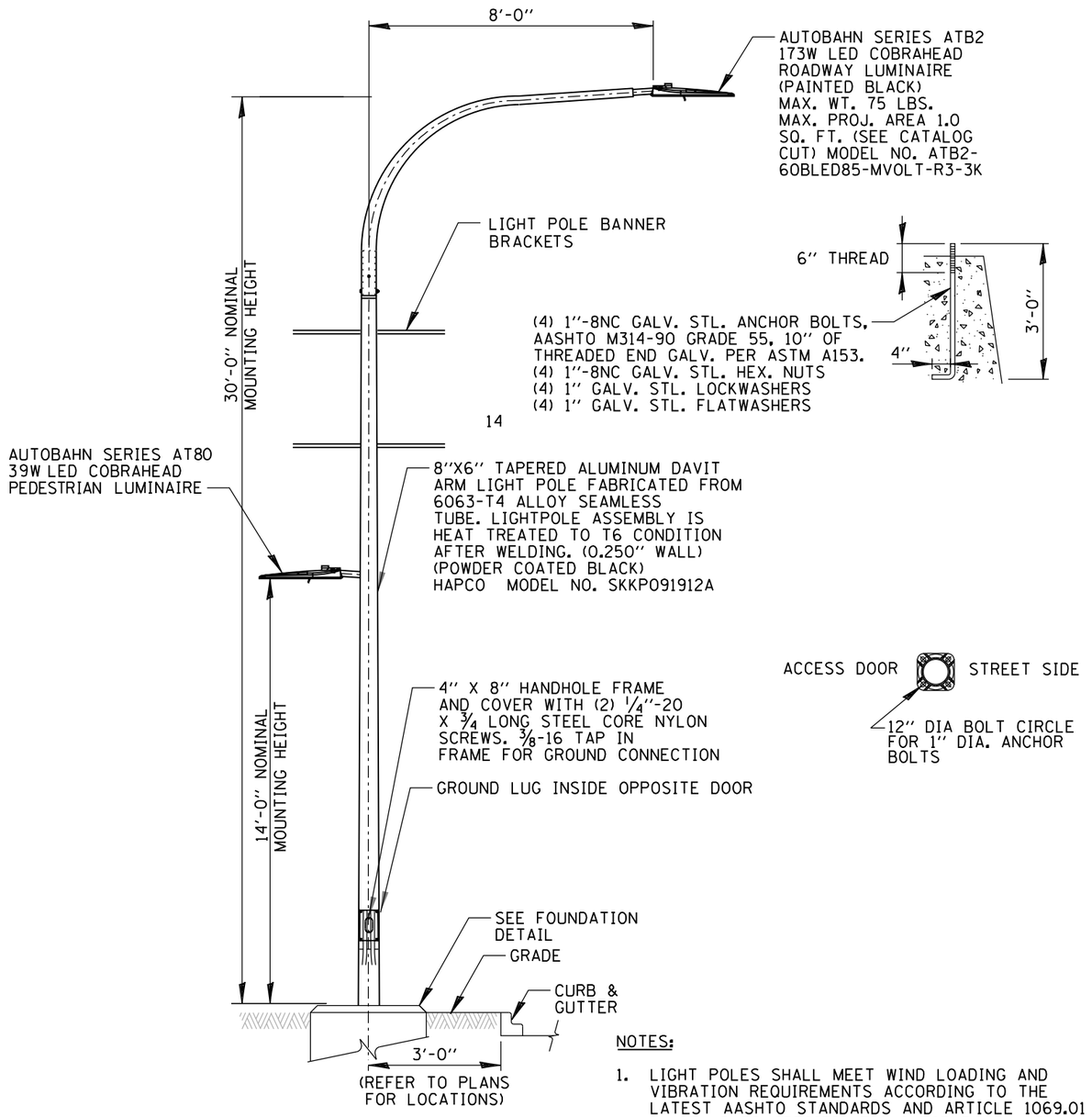
NEMA 3 Pin photocontrol receptacle is standard, with the Acuity designed ANSI 7 Pin receptacle optionally available.

Premium solid state locking sale photocontrol - PCSS (10 year rated life). Extreme long life sold state locking style photocontrol - PCLL (20 year rated life).

Mulit-level dimming available to provide scheduled dimming as specified by the customer.

Optional onboard Adjustable Output module allows the light output and input wattage to be modified to meet site specific requirements, and can also allow a single fixture to be flexibly applied in many different applications.

American Electric Lighting



NOTES:

1. LIGHT POLES SHALL MEET WIND LOADING AND VIBRATION REQUIREMENTS ACCORDING TO THE LATEST AASHTO STANDARDS AND ARTICLE 1069.01 IN STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
2. ALL STEEL SHALL BE FROM A DOMESTIC SOURCE.
3. LIGHT POLE SHALL BE U/L LISTED.
4. 26' POLE WHEN MOUNTED ON BRIDGE PILASTER, 30' FIXTURE MOUNTING HEIGHT

MODEL: Default
FILE NAME: Lighting Details

USER NAME = 9695	DESIGNED - CEG	REVISED -	
	DRAWN - DWW	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - PAS	REVISED -	
PLOT DATE = 5/13/2020	DATE - 05-18-2020	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CENTRAL STREET BRIDGE
LIGHTING DETAILS

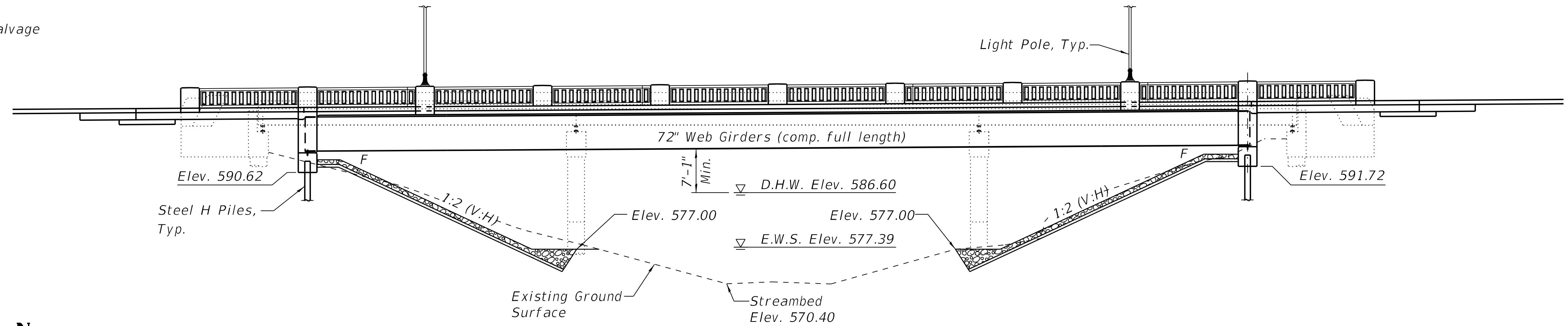
SCALE: NONE | SHEET 9 OF 9 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1301	16-00278-00-BR	COOK	136	63
		CONTRACT NO. 61F92		
	ILLINOIS FED. AID PROJECT			

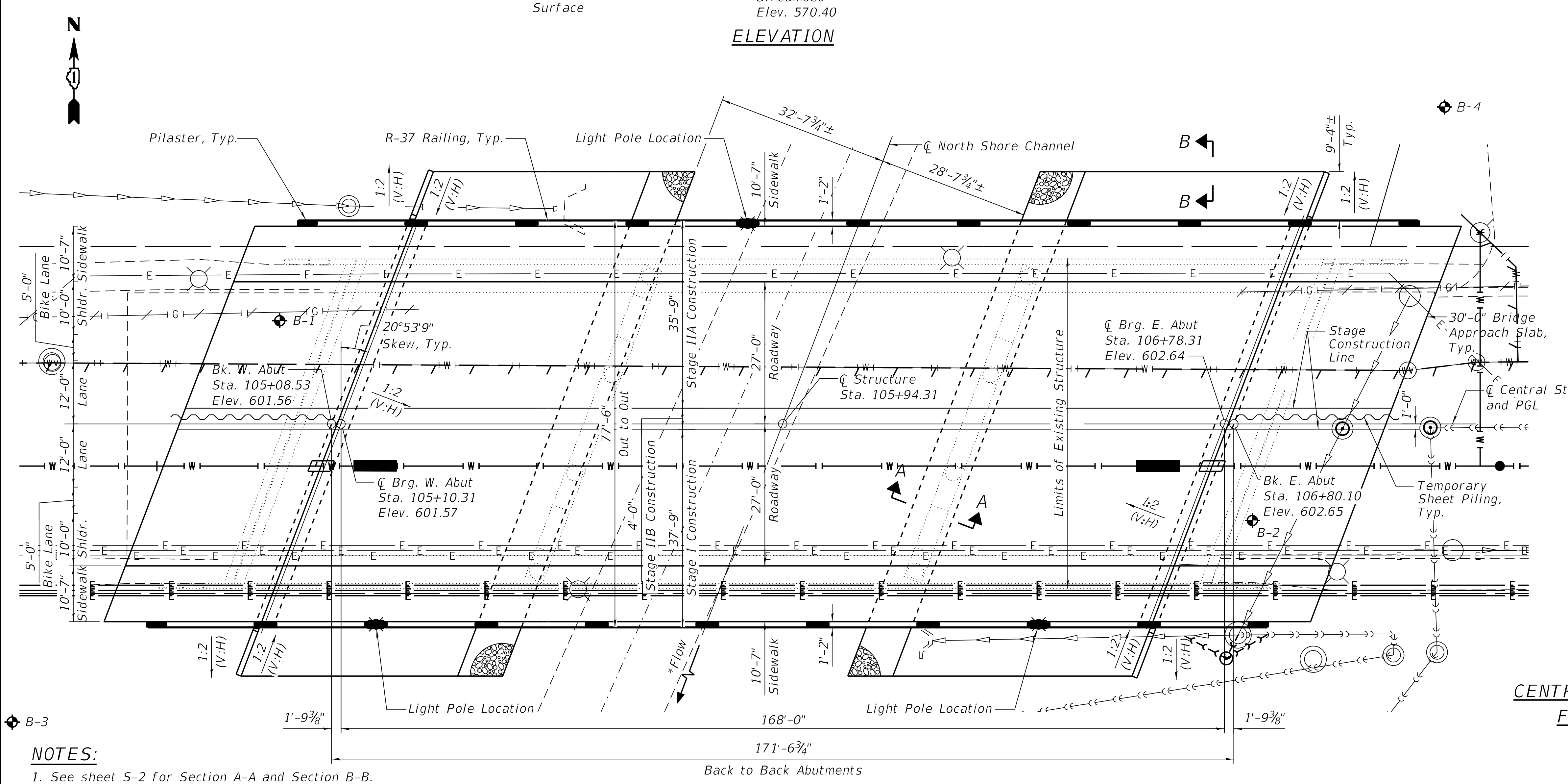
Benchmark: Northeast bonnet bolt on fire hydrant located approximately 50' east of Girard Avenue on the north side of Central Street, Sta. 111+40.82, Offset 24.29' Lt., Elevation = 606.54 (NAVD 88).

Existing Structure: S.N. 016-6951 was built in 1975 on FAU Route 8555 in Evanston under Section 128-B-CS. The existing bridge is a three span steel beam structure measuring 184'-0" from back to back of abutments and 62'-8" from out to out. The superstructure rests on reinforced concrete abutments and piers supported on drilled shaft foundations. The existing structure is to be removed and replaced utilizing stage construction to maintain one lane of traffic in each direction at all times.

No Salvage



ELEVATION



PLAN

NOTES:

1. See sheet S-2 for Section A-A and Section B-B.

*Flow direction can be reversed due to channel/dam control.

DESIGN SPECIFICATIONS

2017 AASHTO LRFD Bridge Design Specifications, 8th Edition

2012 Illinois Department of Transportation Bridge Manual

DESIGN STRESSES

FIELD UNITS

f'c = 3,500 psi (Concrete Substructure)
f'c = 4,000 psi (Concrete Superstructure)
fy = 60,000 psi (Reinforcement)
fy = 50,000 psi (M270 Grade 50)

LOADING HL-93

Allow 50#/sq. ft. for future wearing surface

SEISMIC DATA

Seismic Performance Zone (SPZ) = 1
Design Spectral Acceleration at 1.0 sec. (SD1) = 0.119g
Design Spectral Acceleration at 0.2 sec. (SDS) = 0.212g
Soil Site Class = E

LEGEND

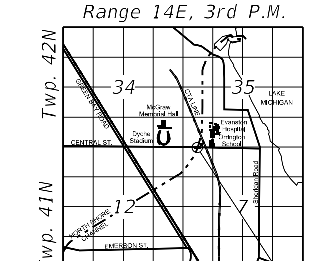
- Boring Location
- Existing Catch Basin
- Existing Combine Sewer
- Existing Manhole
- Existing Light Pole
- Existing Storm Sewer
- Existing Water Line to Be Removed
- Existing Water Manhole
- Existing Water Valve
- Proposed Water Line
- Abandoned Gas Line
- Existing Electrical Lines
- Proposed Electrical Lines

STATE OF ILLINOIS D. SCOTT ESHLEMAN 081-005155 CHICAGO IL LICENSED STRUCTURAL ENGINEER

DATE: 4-11-2019
SCOTT ESHLEMAN, S.E. NO. 081-005155, EXP. DATE 11/30/2020
APPLIES TO DWG NUMBERS: S-1 THRU S-56

"I CERTIFY THAT TO THE BEST OF MY KNOWLEDGE, INFORMATION AND BELIEF, THIS BRIDGE/BOX CULVERT DESIGN IS STRUCTURALLY ADEQUATE FOR THE DESIGN LOADING SHOWN ON THE PLANS, THE DESIGN IS AN ECONOMICAL ONE FOR THE STYLE OF STRUCTURE AND COMPLIES WITH REQUIREMENTS OF THE CURRENT 'AASHTO STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES'."

Range 14E, 3rd P.M.



Proposed Structure

LOCATION SKETCH

GENERAL PLAN AND ELEVATION
CENTRAL STREET OVER NORTH SHORE CHANNEL
F.A.U. RT. 1301 - SEC. 16-00278-00-BR
COOK COUNTY
STATION 105+94.31
STRUCTURE NO. 016-6949

MODEL: Default
FILE NAME: General Plan and Elevation
5/13/2020 4:42:18 PM

Stanley Consultants INC.

USER NAME =	DESIGNED - CSP	REVISED -
	CHECKED - DSE	REVISED -
PLOT SCALE =	DRAWN - RTT	REVISED -
PLOT DATE =	CHECKED - 05-18-2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN AND ELEVATION
STRUCTURE NUMBER 016-6949

NONE | SHEET S-1 OF S-56 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1301	16-00278-00-BR	COOK	136	64
		CONTRACT NO. 61F92		
	ILLINOIS	FED. AID PROJECT		

INDEX

ABBREVIATIONS

Abut.	Abutment
Bk	Back
C.I.P.	Cast in Place
Const.	Construction
E. Abut.	East Abutment
F.F.	Front Face
Jt.	Joint
Max.	Maximum
Min.	Minimum
P.G.L	Profile Grade Line
PJF	Preformed Joint Filler
P.J.S.	Preformed Joint Sealer
Quant.	Quantity
W. Abut.	West Abutment
Elec.	Electric

GENERAL NOTES

1. Fasteners shall be ASTM A325 Type 1, mechanically galvanized bolts.
2. Calculated weight of Structural Steel = 581,000 lbs
3. No field welding is permitted except as specified in the contract documents.
4. Reinforcement bars designated (E) shall be epoxy coated.
5. Bearing seat surfaces shall be constructed or adjusted to the designated elevations within a tolerance of ⅛ in. (0.01 ft.). Adjustment shall be made either by grinding the surface or by shimming the bearings.
6. The Organic Zinc Rich Primer / Epoxy / Urethane Paint System shall be used for painting of new structural steel except where otherwise noted. The entire system shall be shop applied, with the exception of the exterior surface and the bottom of the bottom flange of fascia beams, masked off connection surfaces, field installed fasteners and damaged areas shall be touched up in the field. The color of the final finish coat for all interior steel surfaces shall be Gray, Munsell No. 5B 7/1. The color of the final finish coat for the exterior and bottom flange of the fascia beams shall be Reddish Brown, Munsell No. 2.5YR 3/4.
7. Layout of the slope protection system may be varied to suit ground conditions in the field as directed by the Engineer.

DESIGN SCOUR ELEVATIONS

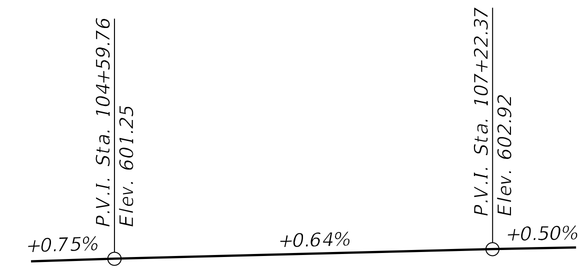
Event/Limit State	W. Abut.	E. Abut.	Item 113
Q100	590.62	591.72	8
Q500	590.62	591.72	
DESIGN	590.62	591.72	
CHECK	590.62	591.72	

WATERWAY INFORMATION

Drainage Area = 2.1 sq. mi.

Flood	Freq.	Q	Opening Ft²		Nat.	Head – Ft.		Headwater El.	
	Year	C.F.S.	Exist.	Prop.	H.W.E.	Exist.	Prop.	Exist.	Prop.
	25	4,270	999	1,047	585.59	0.00	-0.01	585.59	585.58
	50	4,775	1,036	1,086	585.99	-0.01	-0.01	585.98	585.98
Design	100	5,574	1,094	1,147	586.60	-0.01	-0.01	586.59	586.59
Max. Calc.	500	6,744	1,140	1,196	587.10	-0.02	-0.02	587.09	587.08

25-Year Velocity through Existing Structure = 4.65 ft/s
25-Year Velocity through Proposed Structure = 4.49 ft/s



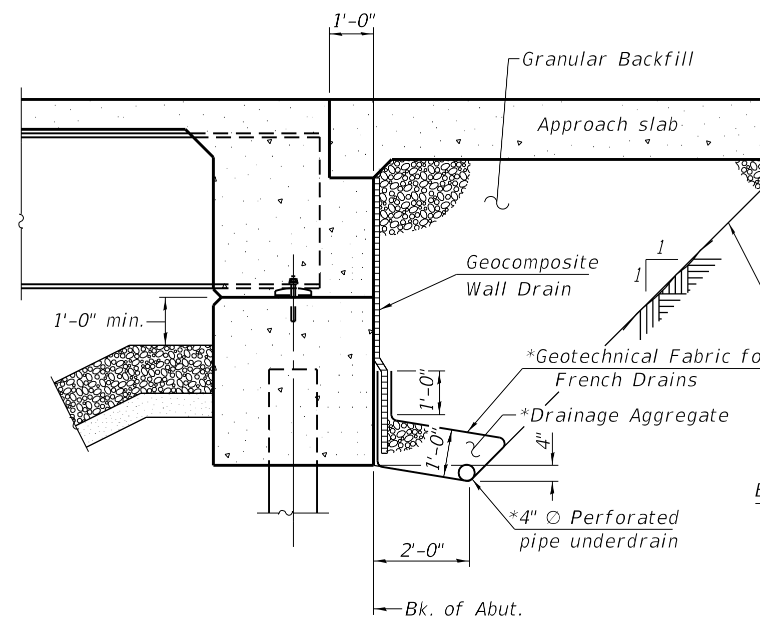
PROFILE GRADE
(Along ℄ Central Street)

NORTH SHORE CHANNEL
BUILT BY
CITY OF EVANSTON
SEC. 16-00278-00-BR
STATION 105+94
STR. NO. 016-6949 LOADING HL93

NAME PLATE
See Std. 515001

TOTAL BILL OF MATERIAL

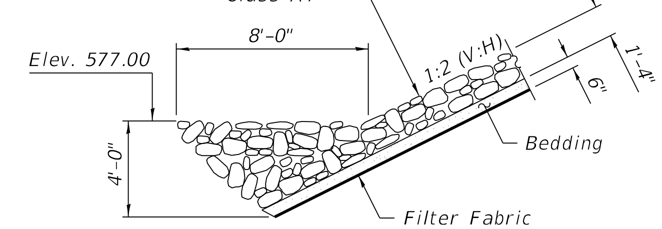
Item	Unit	Super	Sub	Total Qty
STONE RIPRAP, CLASS A4	SQ YD	–	1,111	1,111
FILTER FABRIC	SQ YD	–	1,069	1,069
REMOVAL OF EXISTING STRUCTURES NO. 1	EACH	–	–	1
STRUCTURE EXCAVATION	CU YD	–	1,190	1,190
CONCRETE STRUCTURES	CU YD	–	146	146
CONCRETE SUPERSTRUCTURE	CU YD	535	–	535
BRIDGE DECK GROOVING	SQ YD	1,326	–	1,326
PROTECTIVE COAT	SQ YD	1,966	–	1,966
CONCRETE SUPERSTRUCTURE (APPROACH SLAB)	CU YD	272	–	272
FURNISHING AND ERECTING STRUCTURAL STEEL	L SUM	1	–	1
STUD SHEAR CONNECTORS	EACH	2,580	–	2,580
REINFORCEMENT BARS, EPOXY COATED	POUND	197,360	20,260	217,620
BAR SPLICERS	EACH	–	1,167	1,167
FURNISHING STEEL PILES HP14X89	FOOT	–	2,624	2,624
DRIVING PILES	FOOT	–	2,624	2,624
TEST PILE STEEL HP14X89	EACH	–	2	2
PILE SHOES	EACH	–	34	34
NAME PLATES	EACH	–	1	1
TEMPORARY SHEET PILING	SQ FT	–	1,272	1,272
PERMANENT SHEET PILING	SQ FT	–	1,125	1,125
GRANULAR BACKFILL FOR STRUCTURES	CU YD	–	424	424
GEOCOMPOSITE WALL DRAIN	SQ YD	–	184	184
CONCRETE HEADWALLS FOR PIPE DRAINS	EACH	–	4	4
CONCRETE BRIDGE RAIL, SIDEWALK MOUNTED	FOOT	427	–	427
DRAINAGE STRUCTURE ADJUSTMENT (SPECIAL)	EACH	1	–	1
PIPE UNDERDRAINS FOR STRUCTURES 4"	FOOT	–	166	166
TEMPORARY SUPPORT SYSTEM	L SUM	–	1	1



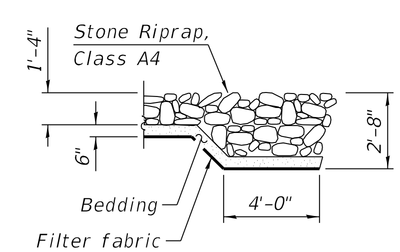
SECTION THRU INTEGRAL ABUTMENT
(Horiz. dim. @ Rt. L's)

*Included in the cost of Pipe Underdrains for Structures. (See Special Provisions)

Note:
All drainage system components shall extend to 2'-0" from the end of each wingwall except an outlet pipe shall extend until intersecting with the side slopes. The pipes shall drain into concrete headwalls. (See Article 601.05 of the Standard Specifications and Highway Standard 601101).



SECTION A-A



SECTION B-B

Stanley Consultants INC.	USER NAME =	DESIGNED - CSP	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INDEX, GENERAL NOTES AND TOTAL BILL OF MATERIAL STRUCTURE NUMBER 016–6949	F.A.U. RTE. 1301 / SECTION 16-00278-00-BR / COUNTY COOK / TOTAL SHEETS 136 / SHEET NO. 65
		CHECKED - DSE	REVISED -			CONTRACT NO. 61F92
	PLOT SCALE =	DRAWN - RTT	REVISED -		NONE SHEET S-2 OF S-56 SHEETS	ILLINOIS FED. AID PROJECT
	PLOT DATE =	CHECKED - 05-18-2020	REVISED -			

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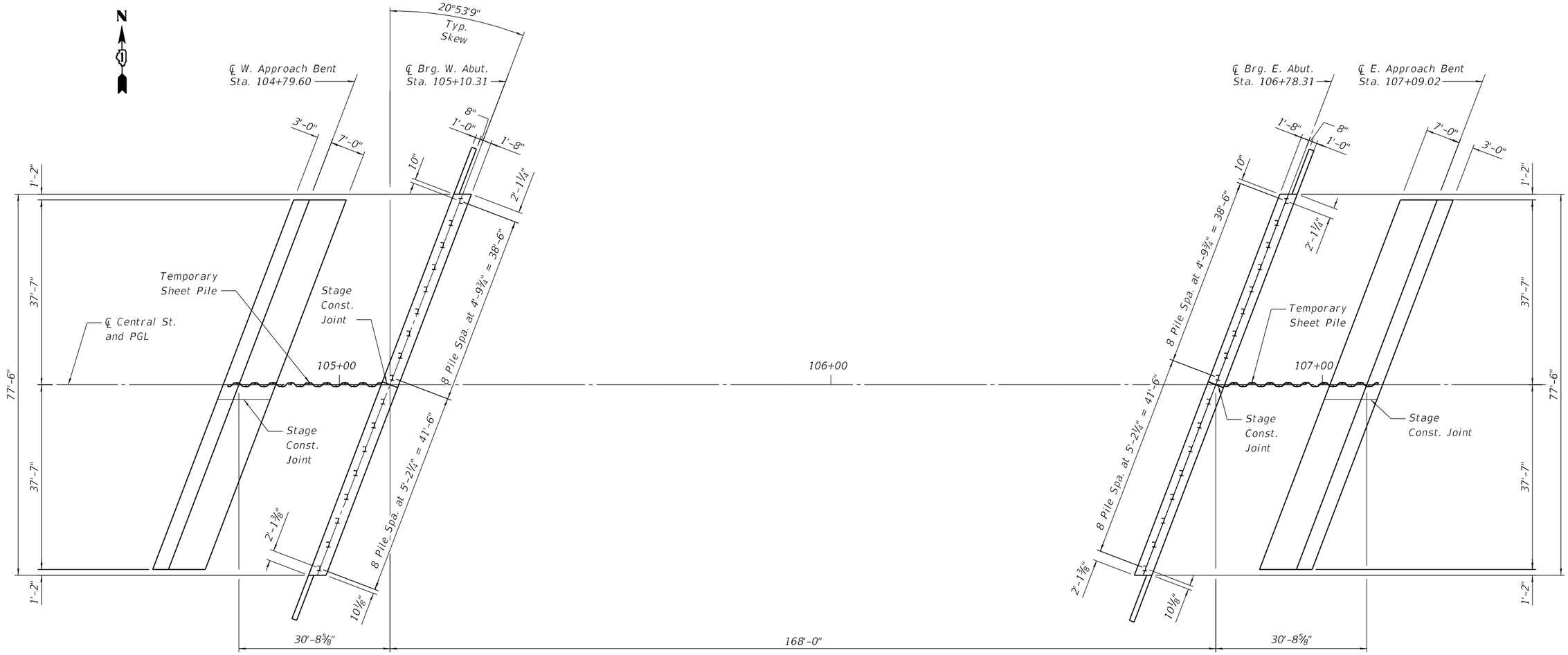
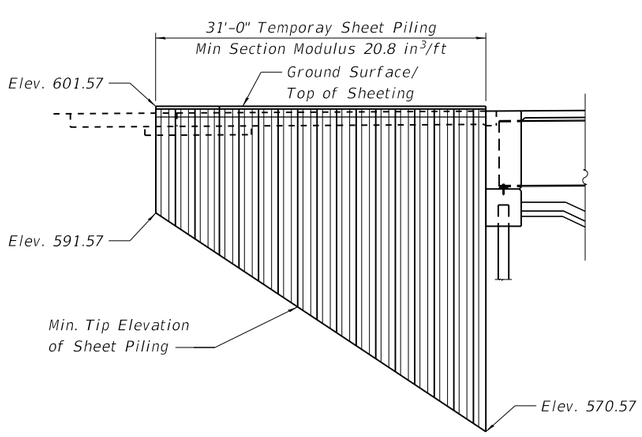
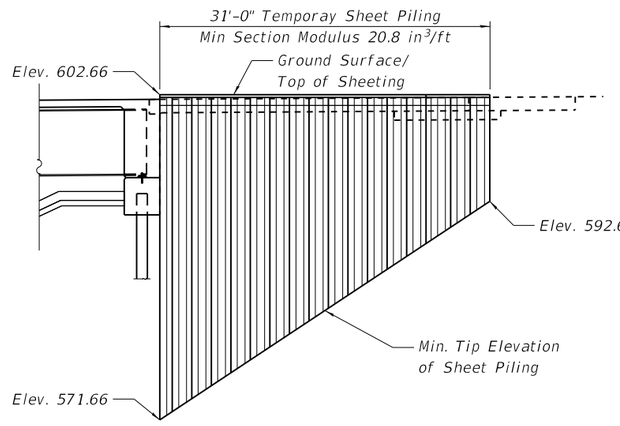


PLAN





TEMPORAY SHEET PILE

SOIL STABILIZATION BILL OF MATERIAL

Item	Unit	Quantity
Temporay Sheet Piling	Sq. Ft.	1,272

MODEL: Default
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7/1/2020 10:36:59 AM

Stanley Consultants INC.

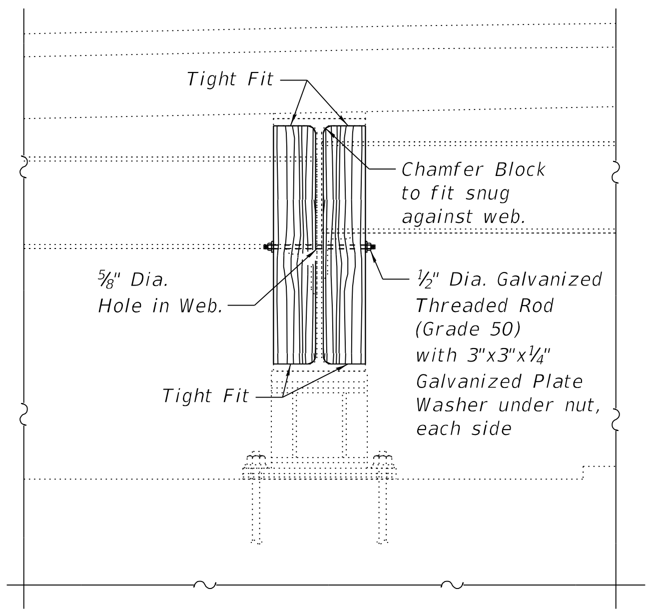
USER NAME =		DESIGNED -	CSP	REVISED -	
		CHECKED -	DSE	REVISED -	
PLOT SCALE =		DRAWN -	RTT	REVISED -	
PLOT DATE =		CHECKED -	05-18-2020	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

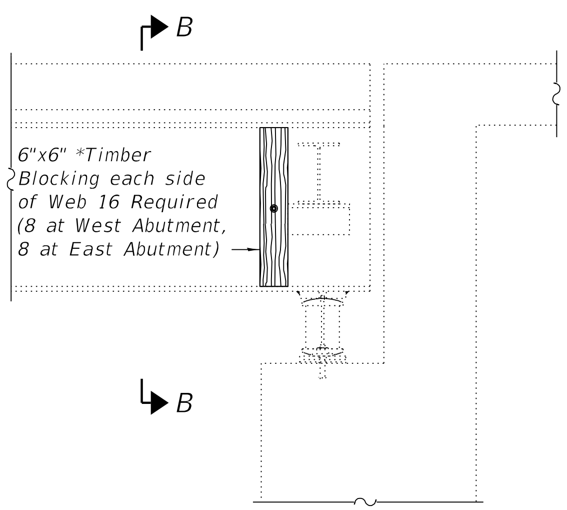
SUBSTRUCTURE LAYOUT PLAN AND TEMPORARY SHEET PILE
STRUCTURE NUMBER 016-6949

NONE SHEET S-3 OF S-56 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1301	16-00278-00-BR	COOK	136	66
		CONTRACT NO. 61F92		
		ILLINOIS	FED. AID PROJECT	

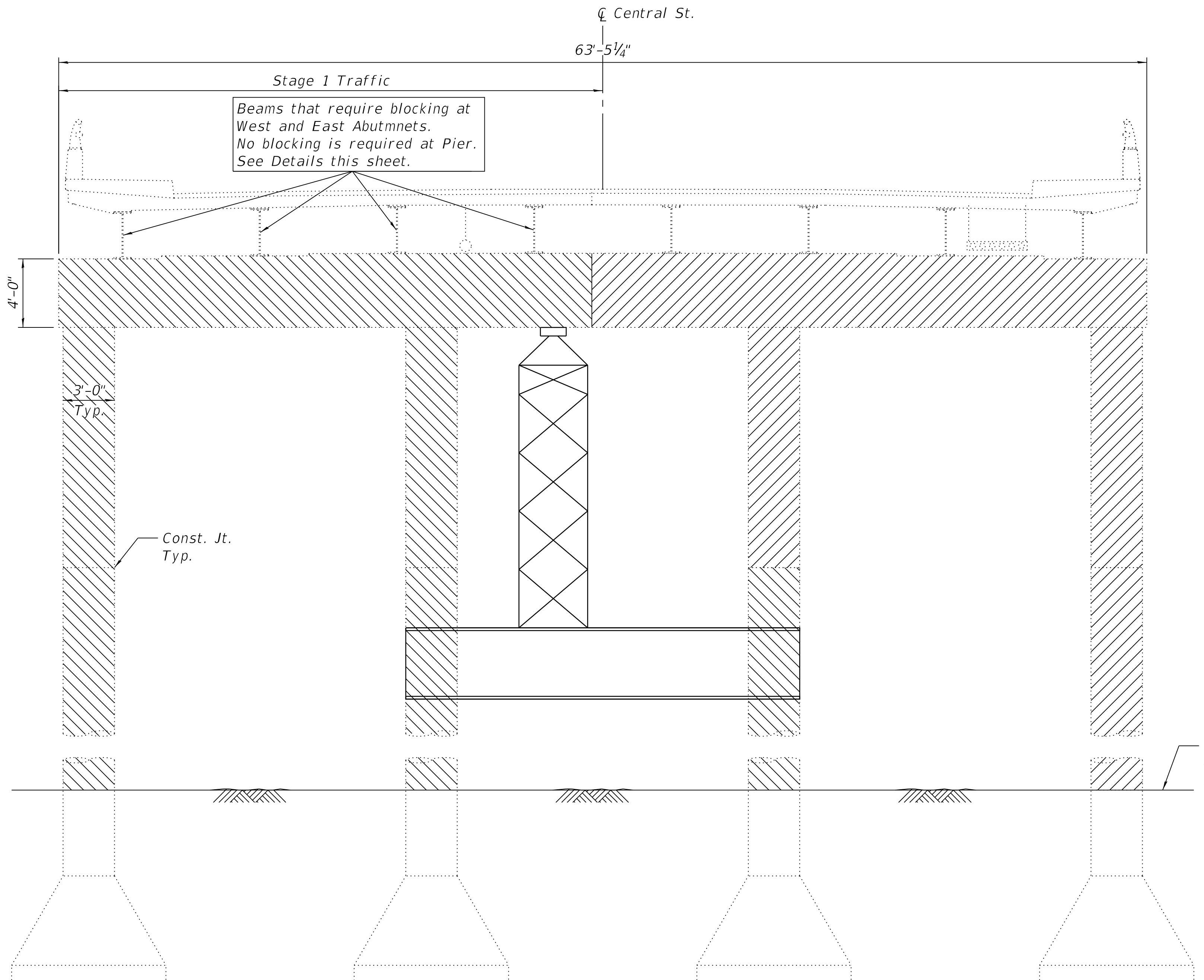


SECTION B-B

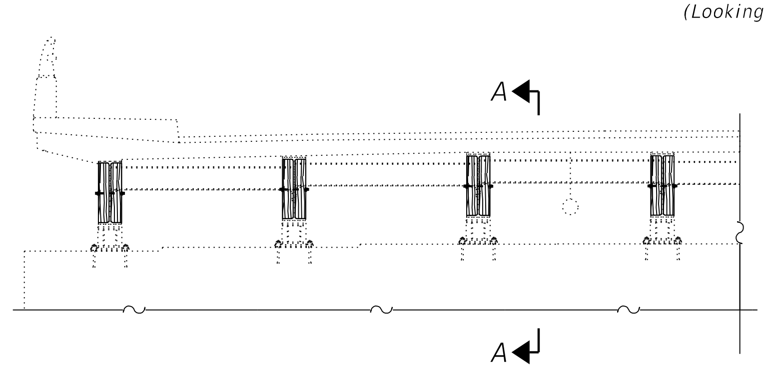


SECTION A-A

*Douglas Fir, #1 and Better



ELEVATION
(Looking East)



ABUTMENT ELEVATION
(East Abutment Shown, West Abutment Similar)

TEMPORARY SUPPORT SYSTEM:

1. The existing pier cap at Pier 1 and Pier 2 is required to be supported prior to the commencement of Stage 1 Pier Removal.
2. Timber Blocking is required to be installed at the East and West Abutment prior to commencement of Stage 1 Pier Removal.
3. The information shown for Temporary Pier Support is conceptual. It is the Contractor's responsibility to provide a design and details for each pier support location, complete with calculations and drawings, signed and sealed by an Illinois Licensed Structural Engineer, for the engineer's review and acceptance prior to installation of the support. See Special Provisions for Temporary Pier Support.
4. Each Temporary Pier Support shall be designed for a minimum factored load as shown in the table below without allowing more than ¼" total deflection under the design load.
5. The Temporary Pier Support shall be completely removed after it is not longer needed. The Temporary Pier Support installation, maintenance, and removal shall be in compliance with the commitments shown in plans. No instream work will be allowed from May 1st through July 15th.

TEMPORARY PIER SUPPORT FACTORED LOADS

	Pier 1	Pier 2
Live Load (KIPS)	165	165
Dead Load (KIPS)	130	130
Total Load (KIPS)	295	295

LEGEND

Stage I Removal

Stage II Removal

BILL OF MATERIAL

Item	Unit	Quantity
Temporary Support System	L Sum	1

Stanley Consultants INC.	USER NAME =	DESIGNED - CSP	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TEMPORARY SUPPORT SYSTEM STRUCTURE NUMBER 016-6949
		CHECKED - DSE	REVISED -		
	PLOT SCALE =	DRAWN - RTT	REVISED -		
	PLOT DATE =	CHECKED - 05-18-2020	REVISED -		NONE SHEET S-4 OF S-56 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1301	16-00278-00-BR	COOK	136	67
		CONTRACT NO. 61F92		
		ILLINOIS FED. AID PROJECT		

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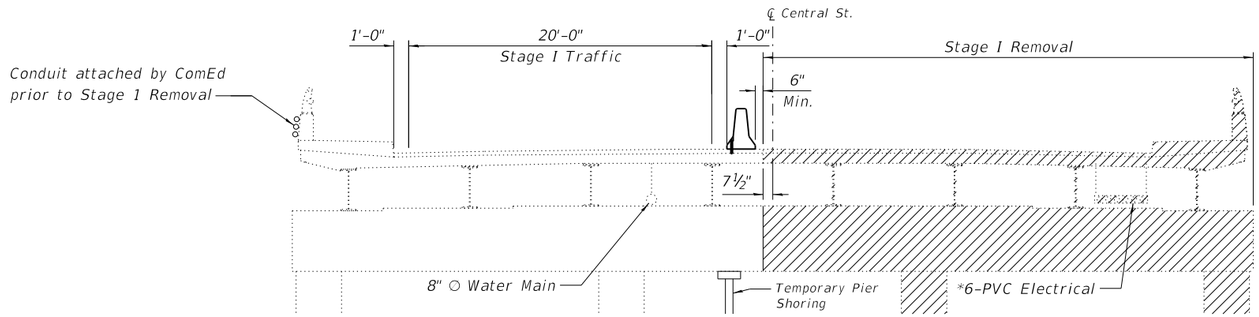
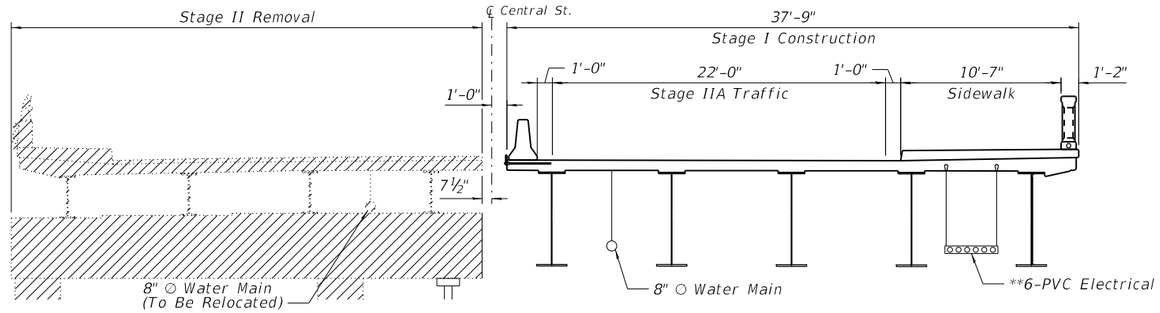


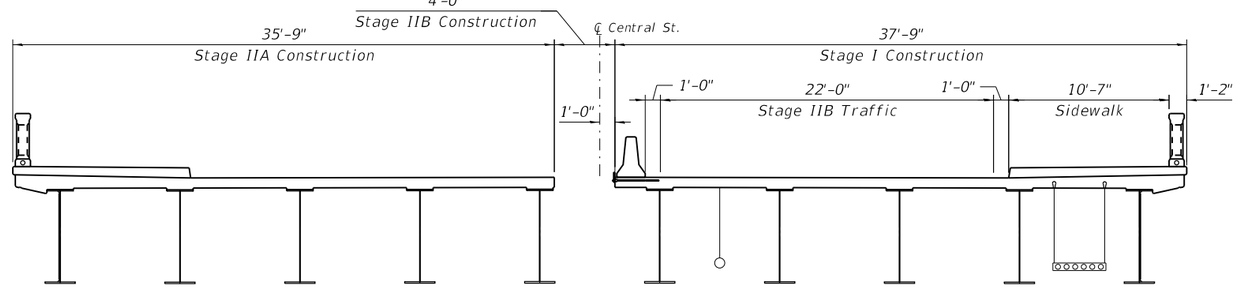
STAGE I REMOVAL

(Looking East)



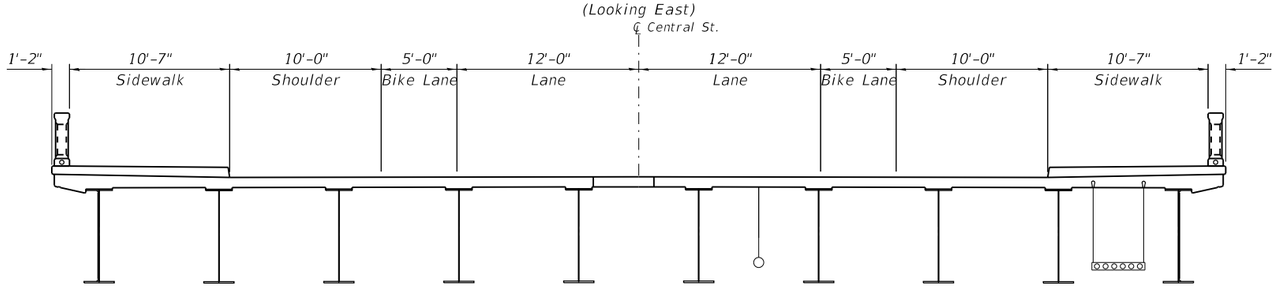
STAGE I CONSTRUCTION & STAGE II REMOVAL

(Looking East)



STAGE IIA & IIB CONSTRUCTION

(Looking East)



FINAL

(Looking East)

*Contractor shall coordinate with ComEd to allow relocation of active power lines to existing north parapet prior to demolition activities.

** Contractor shall coordinate with ComEd for placement of new electrical conduit support inserts in deck, and openings through abutment diaphragms.

LEGEND

Stage Removal

MODEL: Default
FILE NAME: Stage Construction

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Stanley Consultants INC.

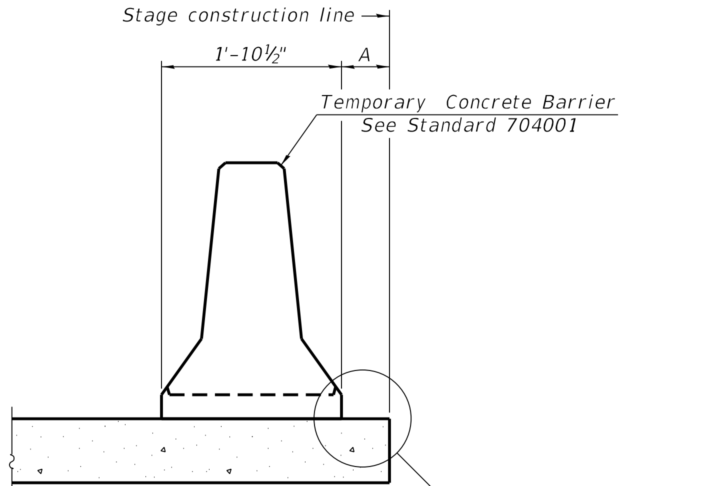
USER NAME =	DESIGNED - CSP	REVISED -	
	CHECKED - DSE	REVISED -	
PLOT SCALE =	DRAWN - RTT	REVISED -	
PLOT DATE =	CHECKED - 05-18-2020	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGE CONSTRUCTION
STRUCTURE NUMBER 016-6949

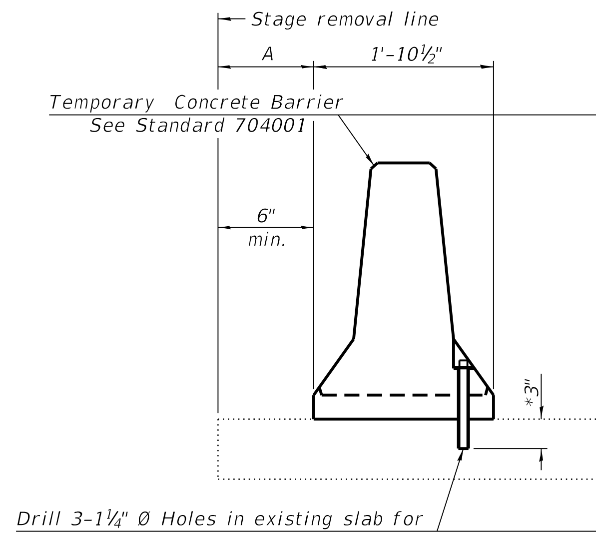
NONE SHEET S-5 OF S-56 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1301	16-00278-00-BR	COOK	136	68
		CONTRACT NO. 61F92		
		ILLINOIS	FED. AID PROJECT	



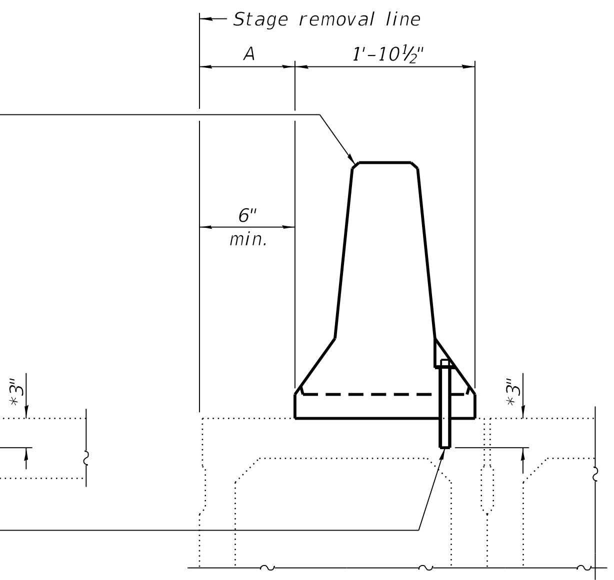
When "A" is 3'-1" or less, the temporary concrete barrier shall be restrained to the new slab according to Detail I, II or III. No restraint is required when "A" is greater than 3'-1".

NEW SLAB OR NEW DECK BEAM



Drill 3-1¼" Ø Holes in existing slab for 1" Ø restraining pins. Traffic side only. Cost of restraining pins are included with Temporary Concrete Barrier. No restraint is required when "A" is greater than 3'-1".

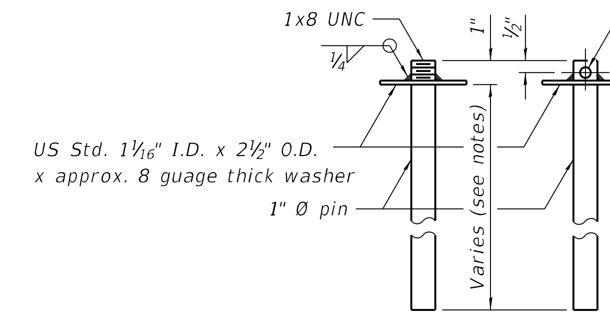
EXISTING SLAB



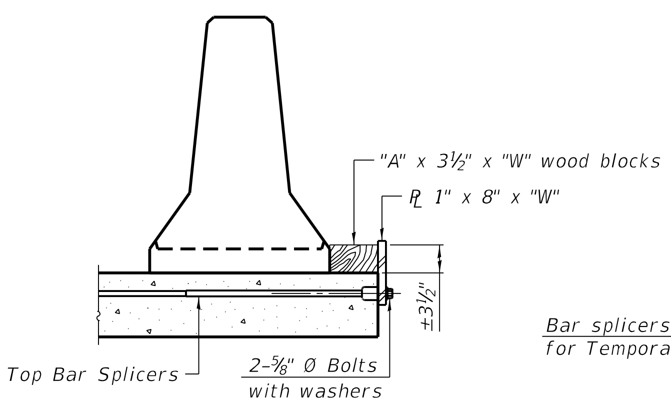
* When hot-mix asphalt wearng surface is present, embedment shall be 3" plus the wearing surface depth.

EXISTING DECK BEAM

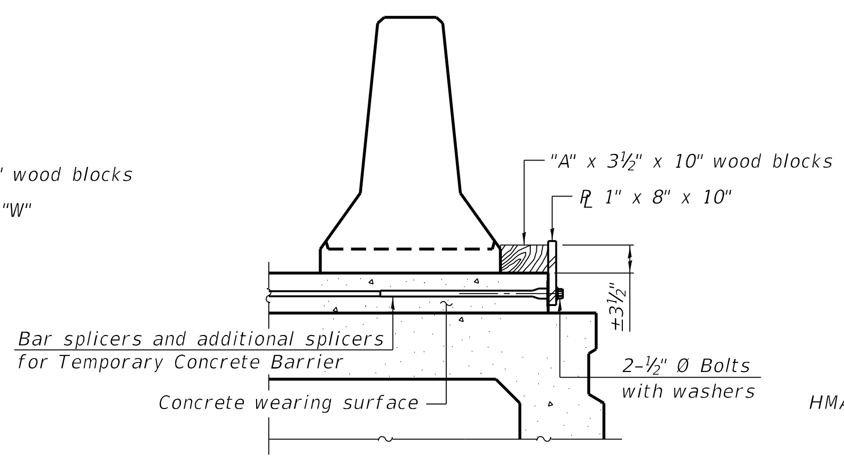
SECTIONS THRU SLAB OR DECK BEAM



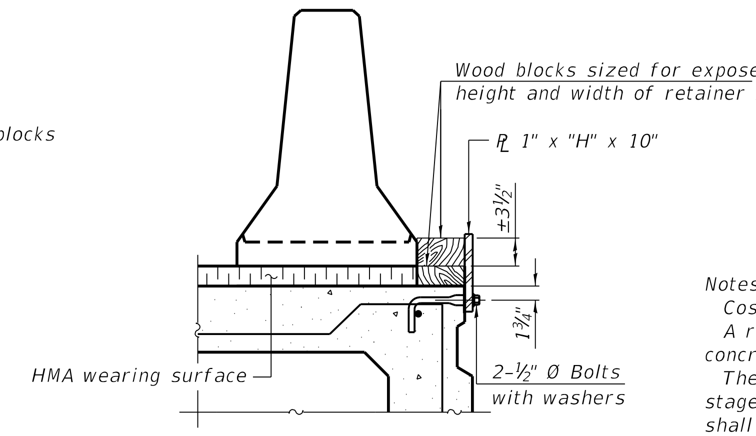
RESTRAINING PIN



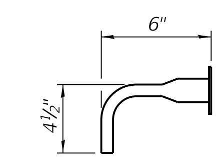
DETAIL I



DETAIL II



DETAIL III



BAR SPLICER FOR #4 BAR - DETAIL III

Notes:

Cost of retainer assembly is included with Temporary Concrete Barrier.

A retainer assembly shall be located at the approximate ℄ of each temporary concrete barrier.

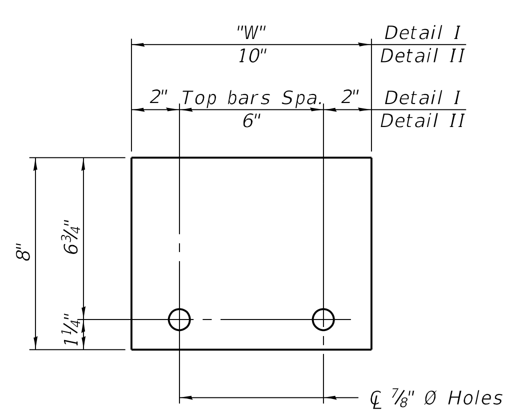
The retainer plate shall not be removed until the concrete on the adjacent stage is ready to be poured. For Detail III applications the retainer plate shall not be removed until just prior to placing the adjacent beam.

When the 'A' dimension is less than 1½", the wood block shall be omitted and the barrier shall be placed in direct contact with the steel retainer plate. For deck beam applications the minimum required 'A' distance is 6" to accommodate the shear key clamping device.

Detail I - Installation for a new bridge deck or bridge slab.

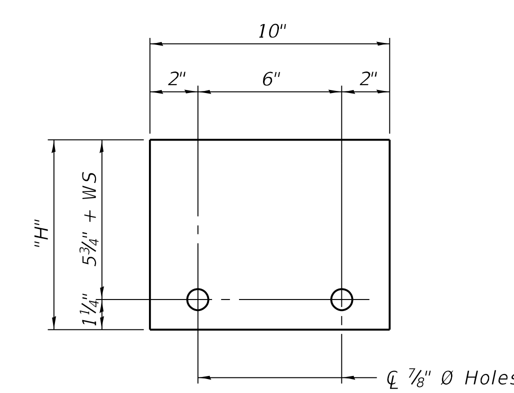
Detail II - Installation for a new deck beam with an initial concrete wearing surface. Additional bar splicers shall be provided at 6'-0" centers and paired with the bar splicers of the concrete wearing surface reinforcement to accommodate the installation of the retainer assemblies. The cost of the additional bar splicers is included with the concrete wearing surface.

Detail III - Installation for a new deck beam with no initial wearing surface or with an initial hot-mix asphalt (HMA) wearing surface present. The deck beam directly beneath the temporary concrete barrier shall be fabricated with bar splicer inserts in the side of the beam, as detailed, to accommodate the installation of the retainer assemblies. A pair of bar splicers, 6" apart, shall be placed at 6'-0" centers along the length of the beam. The cost of the bar splicers is included with the deck beam.



STEEL RETAINER PL 1" x 8" x "W"

(Detail I and II)



STEEL RETAINER PL 1" x "H" x 10"

(Detail III)

R-27

8-11-2017

MODEL: Default
FILE NAME: Temporary Concrete Barrier

Stanley Consultants INC.	USER NAME =	DESIGNED - CSP	REVISED -
		CHECKED - DSE	REVISED -
	PLOT SCALE =	DRAWN - RTT	REVISED -
	PLOT DATE =	CHECKED - 05-18-2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY CONCRETE BARRIER FOR STAGE CONSTRUCTION
STRUCTURE NUMBER 016-6949

NONE SHEET S-6 OF S-56 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1301	16-00278-00-BR	COOK	136	69
		CONTRACT NO. 61F92		
		ILLINOIS FED. AID PROJECT		

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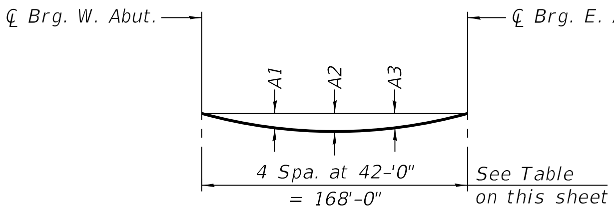


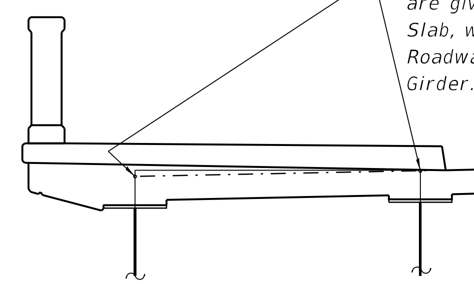
DEAD LOAD DEFLECTION DIAGRAM

(Includes weight of slab, sidewalk, and parapet only.)

Note:
The above deflections are not to be used in the field if the engineer is working from the grade elevations adjusted for dead load deflections and grinding as shown below.

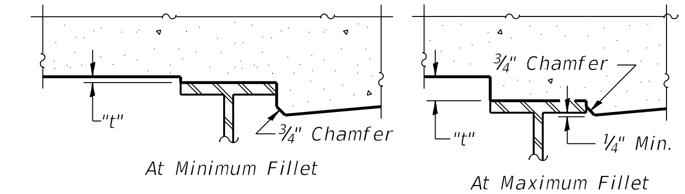
DEAD LOAD DEFLECTION

GIRDERS	Deflection (Inches)		
	A1	A2	A3
1	4 1/2"	6 1/2"	4 5/8"
2	5"	7 1/8"	5"
3	5 1/8"	7 1/4"	5 1/8"
4	5 1/8"	7 1/4"	5 1/8"
5	5 1/8"	7 1/4"	5 1/8"
6	5 1/8"	7 1/4"	5 1/8"
7	5 1/8"	7 1/4"	5 1/8"
8	5 1/8"	7 1/4"	5 1/8"
9	5"	7 1/8"	5"
10	4 5/8"	6 5/8"	4 3/4"

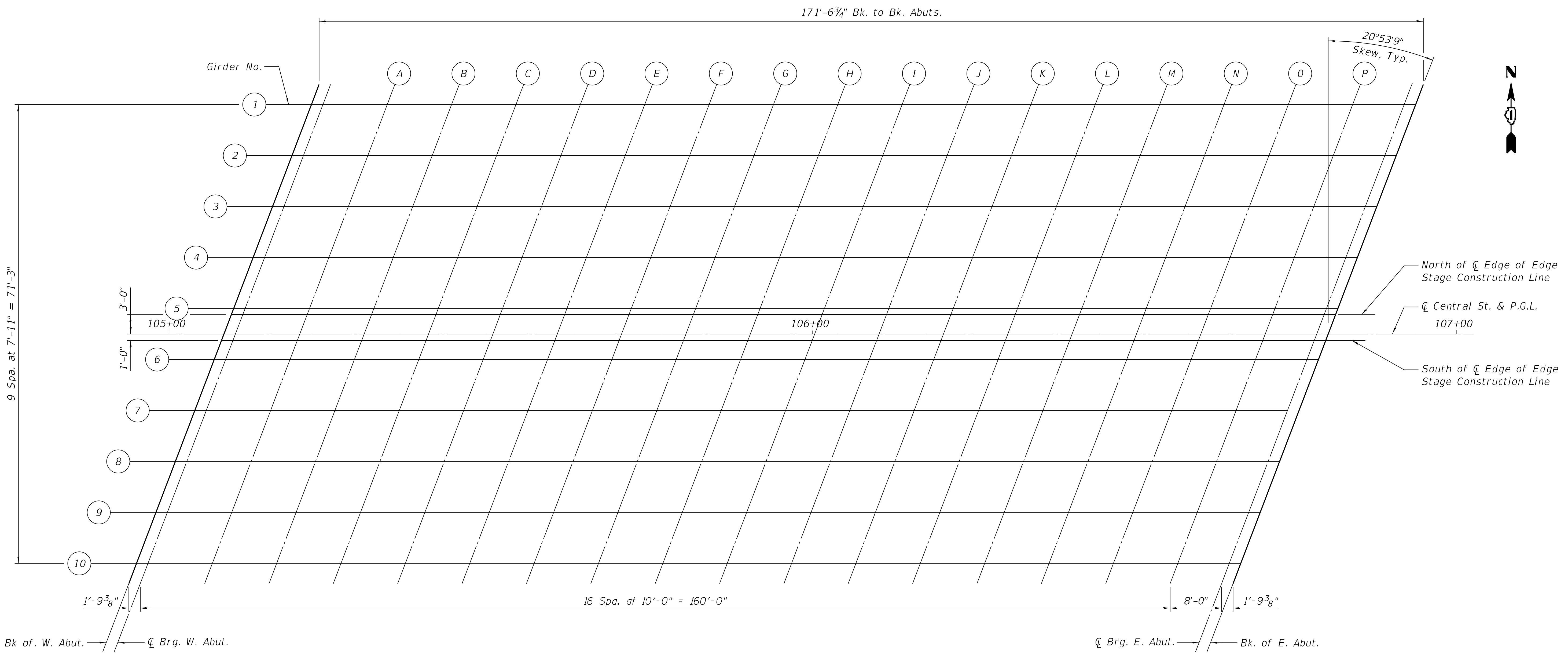


Elevations at Girders 1, 2, 9 and 10 are given at the Theorectical Top of Slab, which is the projection of the Roadway slab template to the ℄ of Girder.

LOCATION OF ELEVATIONS AT GIRDERS 1, 2, 9 & 10



To determine "t": After all structural steel has been erected, elevations of the top flanges of the beams shall be taken at intervals shown below. These elevations subtracted from the "Theoretical Grade Elevations Adjusted for Dead Load Deflection shown, minus slab thickness, equals the fillet heights "t" above top flange of beams.



PLAN

NOTE:

1. See sheet S-8 thru S-10 for top of deck elevations.

Stanley Consultants INC.	USER NAME =	DESIGNED - CSP	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DECK SLAB ELEVATIONS STRUCTURE NUMBER 016-6949	F.A.U. RTE. 1301	SECTION 16-00278-00-BR	COUNTY COOK	TOTAL SHEETS 136 / SHEET NO. 70
		CHECKED - DSE	REVISED -					CONTRACT NO. 61F92	
	PLOT SCALE =	DRAWN - RTT	REVISED -						
	PLOT DATE =	CHECKED - 05-18-2020	REVISED -		NONE SHEET S-7 OF S-56 SHEETS		ILLINOIS FED. AID PROJECT		

MODEL: Default
FILE NAME: Top of Deck Elevation 1 of 4
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GIRDER 1

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut.	105+22.12	-35.63	600.93	600.93
℄ Brg. W. Abut.	105+23.90	-35.63	600.94	600.94
A	105+33.90	-35.63	601.01	601.11
B	105+43.90	-35.63	601.07	601.27
C	105+53.90	-35.63	601.13	601.42
D	105+63.90	-35.63	601.20	601.56
E	105+73.90	-35.63	601.26	601.70
F	105+83.90	-35.63	601.33	601.81
G	105+93.90	-35.63	601.39	601.91
H	106+03.90	-35.63	601.45	601.99
I	106+13.90	-35.63	601.52	602.05
J	106+23.90	-35.63	601.58	602.10
K	106+33.90	-35.63	601.65	602.12
L	106+43.90	-35.63	601.71	602.13
M	106+53.90	-35.63	601.77	602.13
N	106+63.90	-35.63	601.84	602.11
O	106+73.90	-35.63	601.90	602.09
P	106+83.90	-35.63	601.97	602.05
℄ Brg. E. Abut.	106+91.90	-35.63	602.02	602.02
Bk. W. Abut.	106+93.69	-35.63	602.03	602.03

GIRDER 2

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut.	105+19.10	-27.71	601.07	601.07
℄ Brg. W. Abut.	105+20.88	-27.71	601.08	601.08
A	105+30.88	-27.71	601.15	601.26
B	105+40.88	-27.71	601.21	601.43
C	105+50.88	-27.71	601.27	601.59
D	105+60.88	-27.71	601.34	601.74
E	105+70.88	-27.71	601.40	601.88
F	105+80.88	-27.71	601.47	601.99
G	105+90.88	-27.71	601.53	602.10
H	106+00.88	-27.71	601.59	602.18
I	106+10.88	-27.71	601.66	602.24
J	106+20.88	-27.71	601.72	602.29
K	106+30.88	-27.71	601.79	602.30
L	106+40.88	-27.71	601.85	602.31
M	106+50.88	-27.71	601.91	602.30
N	106+60.88	-27.71	601.98	602.27
O	106+70.88	-27.71	602.04	602.24
P	106+80.88	-27.71	602.11	602.19
℄ Brg. E. Abut.	106+88.88	-27.71	602.16	602.16
Bk. W. Abut.	106+90.67	-27.71	602.17	602.17

GIRDER 3

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut.	105+16.08	-19.79	601.21	601.21
℄ Brg. W. Abut.	105+17.86	-19.79	601.22	601.22
A	105+27.86	-19.79	601.28	601.40
B	105+37.86	-19.79	601.35	601.57
C	105+47.86	-19.79	601.41	601.73
D	105+57.86	-19.79	601.48	601.88
E	105+67.86	-19.79	601.54	602.03
F	105+77.86	-19.79	601.60	602.14
G	105+87.86	-19.79	601.67	602.25
H	105+97.86	-19.79	601.73	602.33
I	106+07.86	-19.79	601.80	602.39
J	106+17.86	-19.79	601.86	602.43
K	106+27.86	-19.79	601.92	602.45
L	106+37.86	-19.79	601.99	602.46
M	106+47.86	-19.79	602.05	602.44
N	106+57.86	-19.79	602.12	602.42
O	106+67.86	-19.79	602.18	602.38
P	106+77.86	-19.79	602.24	602.33
℄ Brg. E. Abut.	106+85.86	-19.79	602.30	602.30
Bk. W. Abut.	106+87.65	-19.79	602.31	602.31

GIRDER 4

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut.	105+13.06	-11.88	601.35	601.35
℄ Brg. W. Abut.	105+14.84	-11.88	601.36	601.36
A	105+24.84	-11.88	601.42	601.54
B	105+34.84	-11.88	601.49	601.71
C	105+44.84	-11.88	601.55	601.87
D	105+54.84	-11.88	601.62	602.02
E	105+64.84	-11.88	601.68	602.17
F	105+74.84	-11.88	601.74	602.28
G	105+84.84	-11.88	601.81	602.38
H	105+94.84	-11.88	601.87	602.47
I	106+04.84	-11.88	601.94	602.53
J	106+14.84	-11.88	602.00	602.57
K	106+24.84	-11.88	602.06	602.59
L	106+34.84	-11.88	602.13	602.60
M	106+44.84	-11.88	602.19	602.58
N	106+54.84	-11.88	602.26	602.56
O	106+64.84	-11.88	602.32	602.52
P	106+74.84	-11.88	602.38	602.47
℄ Brg. E. Abut.	106+82.84	-11.88	602.43	602.43
Bk. W. Abut.	106+84.63	-11.88	602.45	602.45

GIRDER 5

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut.	105+10.04	-3.96	601.49	601.49
℄ Brg. W. Abut.	105+11.82	-3.96	601.50	601.50
A	105+21.82	-3.96	601.56	601.67
B	105+31.82	-3.96	601.63	601.85
C	105+41.82	-3.96	601.69	602.01
D	105+51.82	-3.96	601.75	602.16
E	105+61.82	-3.96	601.82	602.30
F	105+71.82	-3.96	601.88	602.42
G	105+81.82	-3.96	601.95	602.52
H	105+91.82	-3.96	602.01	602.60
I	106+01.82	-3.96	602.07	602.66
J	106+11.82	-3.96	602.14	602.71
K	106+21.82	-3.96	602.20	602.73
L	106+31.82	-3.96	602.27	602.74
M	106+41.82	-3.96	602.33	602.72
N	106+51.82	-3.96	602.39	602.70
O	106+61.82	-3.96	602.46	602.66
P	106+71.82	-3.96	602.52	602.61
℄ Brg. E. Abut.	106+79.82	-3.96	602.57	602.57
Bk. W. Abut.	106+81.60	-3.96	602.59	602.59

NORTH OF ℄ STAGE CONSTRUCTION LINE

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut.	105+09.67	-3.00	601.50	601.50
℄ Brg. W. Abut.	105+11.45	-3.00	601.52	601.52
A	105+21.45	-3.00	601.58	601.69
B	105+31.45	-3.00	601.64	601.86
C	105+41.45	-3.00	601.71	602.03
D	105+51.45	-3.00	601.77	602.18
E	105+61.45	-3.00	601.84	602.32
F	105+71.45	-3.00	601.90	602.43
G	105+81.45	-3.00	601.96	602.54
H	105+91.45	-3.00	602.03	602.62
I	106+01.45	-3.00	602.09	602.68
J	106+11.45	-3.00	602.16	602.73
K	106+21.45	-3.00	602.22	602.75
L	106+31.45	-3.00	602.28	602.75
M	106+41.45	-3.00	602.35	602.74
N	106+51.45	-3.00	602.41	602.71
O	106+61.45	-3.00	602.48	602.68
P	106+71.45	-3.00	602.54	602.63
℄ Brg. E. Abut.	106+79.45	-3.00	602.59	602.59
Bk. W. Abut.	106+81.24	-3.00	602.60	602.60

PGL

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut.	105+08.53	0.00	601.56	601.56
℄ Brg. W. Abut.	105+10.31	0.00	601.57	601.57
A	105+20.31	0.00	601.63	601.74
B	105+30.31	0.00	601.70	601.92
C	105+40.31	0.00	601.76	602.08
D	105+50.31	0.00	601.82	602.23
E	105+60.31	0.00	601.89	602.37
F	105+70.31	0.00	601.95	602.49
G	105+80.31	0.00	602.02	602.59
H	105+90.31	0.00	602.08	602.67
I	106+00.31	0.00	602.14	602.73
J	106+10.31	0.00	602.21	602.78
K	106+20.31	0.00	602.27	602.80
L	106+30.31	0.00	602.34	602.81
M	106+40.31	0.00	602.40	602.79
N	106+50.31	0.00	602.46	602.77
O	106+60.31	0.00	602.53	602.73
P	106+70.31	0.00	602.59	602.68
℄ Brg. E. Abut.	106+78.31	0.00	602.64	602.64
Bk. W. Abut.	106+80.09	0.00	602.65	602.65

SOUTH OF ℄ STAGE CONSTRUCTION LINE

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut.	105+08.14	1.00	601.49	601.49
℄ Brg. W. Abut.	105+09.93	1.00	601.51	601.51
A	105+19.93	1.00	601.57	601.68
B	105+29.93	1.00	601.63	601.85
C	105+39.93	1.00	601.70	602.02
D	105+49.93	1.00	601.76	602.17
E	105+59.93	1.00	601.83	602.31
F	105+69.93	1.00	601.89	602.43
G	105+79.93	1.00	601.95	602.53
H	105+89.93	1.00	602.02	602.61
I	105+99.93	1.00	602.08	602.67
J	106+09.93	1.00	602.15	602.72
K	106+19.93	1.00	602.21	602.74
L	106+29.93	1.00	602.27	602.74
M	106+39.93	1.00	602.34	602.73
N	106+49.93	1.00	602.40	602.70
O	106+59.93	1.00	602.47	602.67
P	106+69.93	1.00	602.53	602.62
℄ Brg. E. Abut.	106+77.93	1.00	602.58	602.58
Bk. W. Abut.	106+79.71	1.00	602.59	602.59

GIRDER 6

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut.	105+07.02	3.96	601.47	601.47
℄ Brg. W. Abut.	105+08.80	3.96	601.48	601.48
A	105+18.80	3.96	601.54	601.65
B	105+28.80	3.96	601.61	601.83
C	105+38.80	3.96	601.67	601.99
D	105+48.80	3.96	601.74	602.14
E	105+58.80	3.96	601.80	602.28
F	105+68.80	3.96	601.86	602.40
G	105+78.80	3.96	601.93	602.50
H	105+88.80	3.96	601.99	602.58
I	105+98.80	3.96	602.06	602.65
J	106+08.80	3.96	602.12	602.69
K	106+18.80	3.96	602.18	602.71
L	106+28.80	3.96	602.25	602.72
M	106+38.80	3.96	602.31	602.70
N	106+48.80	3.96	602.38	602.68
O	106+58.80	3.96	602.44	602.64
P	106+68.80	3.96	602.50	602.59
℄ Brg. E. Abut.	106+76.80	3.96	602.55	602.55
Bk. W. Abut.	106+78.58	3.96	602.57	602.57

GIRDER 7

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut.	105+03.99	11.88	601.29	601.29
℄ Brg. W. Abut.	105+05.78	11.88	601.30	601.30
A	105+15.78	11.88	601.37	601.48
B	105+25.78	11.88	601.43	601.65
C	105+35.78	11.88	601.49	601.81
D	105+45.78	11.88	601.56	601.96
E	105+55.78	11.88	601.62	602.11
F	105+65.78	11.88	601.69	602.22
G	105+75.78	11.88	601.75	602.33
H	105+85.78	11.88	601.81	602.41
I	105+95.78	11.88	601.88	602.47
J	106+05.78	11.88	601.94	602.52
K	106+15.78	11.88	602.01	602.53
L	106+25.78	11.88	602.07	602.54
M	106+35.78	11.88	602.13	602.53
N	106+45.78	11.88	602.20	602.50
O	106+55.78	11.88	602.26	602.46
P	106+65.78	11.88	602.33	602.42
℄ Brg. E. Abut.	106+73.78	11.88	602.38	602.38
Bk. W. Abut.	106+75.56	11.88	602.39	602.39

GIRDER 8

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut.	105+00.97	19.79	601.11	601.11
℄ Brg. W. Abut.	105+02.76	19.79	601.12	601.12
A	105+12.76	19.79	601.19	601.30
B	105+22.76	19.79	601.25	601.47
C	105+32.76	19.79	601.32	601.64
D	105+42.76	19.79	601.38	601.79
E	105+52.76	19.79	601.44	601.93
F	105+62.76	19.79	601.51	602.04
G	105+72.76	19.79	601.57	602.15
H	105+82.76	19.79	601.64	602.23
I	105+92.76	19.79	601.70	602.29
J	106+02.76	19.79	601.76	602.34
K	106+12.76	19.79	601.83	602.35
L	106+22.76	19.79	601.89	602.36
M	106+32.76	19.79	601.96	602.35
N	106+42.76	19.79	602.02	602.32
O	106+52.76	19.79	602.08	602.29
P	106+62.76	19.79	602.15	602.24
℄ Brg. E. Abut.	106+70.76	19.79	602.20	602.20
Bk. W. Abut.	106+72.54	19.79	602.21	602.21

GIRDER 9

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut.	104+97.95	27.71	600.93	600.93
℄ Brg. W. Abut.	104+99.74	27.71	600.95	600.95
A	105+09.74	27.71	601.01	601.12
B	105+19.74	27.71	601.07	601.29
C	105+29.74	27.71	601.14	601.45
D	105+39.74	27.71	601.20	601.60
E	105+49.74	27.71	601.27	601.74
F	105+59.74	27.71	601.33	601.86
G	105+69.74	27.71	601.39	601.96
H	105+79.74	27.71	601.46	602.04
I	105+89.74	27.71	601.52	602.10
J	105+99.74	27.71	601.59	602.15
K	106+09.74	27.71	601.65	602.17
L	106+19.74	27.71	601.71	602.18
M	106+29.74	27.71	601.78	602.16
N	106+39.74	27.71	601.84	602.14
O	106+49.74	27.71	601.91	602.10
P	106+59.74	27.71	601.97	602.06
℄ Brg. E. Abut.	106+67.74	27.71	602.02	602.02
Bk. W. Abut.	106+69.52	27.71	602.03	602.03

GIRDER 10

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut.	104+94.93	35.63	600.76	600.76
℄ Brg. W. Abut.	104+96.72	35.63	600.77	600.77
A	105+06.72	35.63	600.83	600.94
B	105+16.72	35.63	600.90	601.10
C	105+26.72	35.63	600.96	601.26
D	105+36.72	35.63	601.02	601.40
E	105+46.72	35.63	601.09	601.54
F	105+56.72	35.63	601.15	601.65
G	105+66.72	35.63	601.22	601.75
H	105+76.72	35.63	601.28	601.83
I	105+86.72	35.63	601.34	601.89
J	105+96.72	35.63	601.41	601.94
K	106+06.72	35.63	601.47	601.96
L	106+16.72	35.63	601.54	601.97
M	106+26.72	35.63	601.60	601.96
N	106+36.72	35.63	601.66	601.94
O	106+46.72	35.63	601.73	601.92
P	106+56.72	35.63	601.79	601.88
℄ Brg. E. Abut.	106+64.72	35.63	601.84	601.84
Bk. W. Abut.	106+66.50	35.63	601.86	601.86

MODEL: Default
FILE NAME: Top of Deck Elevation 4 of 4

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DECK SLAB ELEVATIONS
STRUCTURE NUMBER 016–6949

NONE SHEET S-10 OF S-56 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1301	16-00278-00-BR	COOK	136	73

CONTRACT NO. 61F92

ILLINOIS | FED. AID PROJECT

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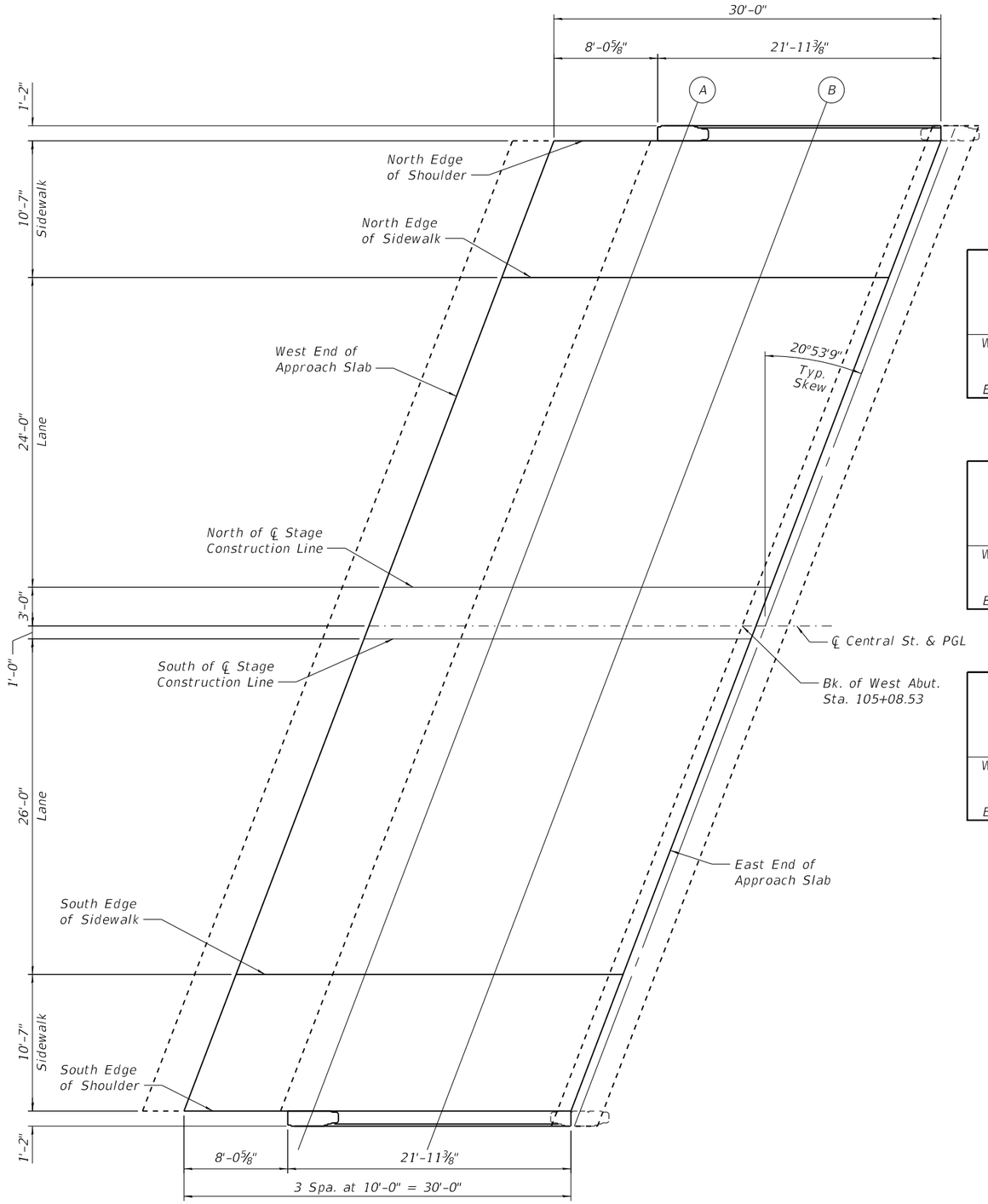

WEST APPROACH SLAB PLAN

N

NORTH EDGE OF SHOULDER

Location	Station	Offset	Theoretical Grade Elevations
West End Approach Slab	104+93.94	-37.58	600.71
A	105+03.94	-37.58	600.78
B	105+13.94	-37.58	600.84
East End Approach Slab	105+23.94	-37.58	600.90

NORTH EDGE OF SIDEWALK

Location	Station	Offset	Theoretical Grade Elevations
West End Approach Slab	104+89.90	-27.00	600.90
A	104+99.90	-27.00	600.96
B	105+09.90	-27.00	601.03
East End Approach Slab	105+19.90	-27.00	601.09

NORTH OF ℄ STAGE CONSTRUCTION LINE

Location	Station	Offset	Theoretical Grade Elevations
West End Approach Slab	104+80.74	-3.00	601.32
A	104+90.74	-3.00	601.38
B	105+00.74	-3.00	601.45
East End Approach Slab	105+10.74	-3.00	601.51

PGL & CENTERLINE ROADWAY

Location	Station	Offset	Theoretical Grade Elevations
West End Approach Slab	104+79.60	0.00	601.37
A	104+89.60	0.00	601.44
B	104+99.60	0.00	601.50
East End Approach Slab	105+09.60	0.00	601.56

SOUTH OF ℄ STAGE CONSTRUCTION LINE

Location	Station	Offset	Theoretical Grade Elevations
West End Approach Slab	104+79.22	1.00	601.35
A	104+89.22	1.00	601.41
B	104+99.22	1.00	601.48
East End Approach Slab	105+09.22	1.00	601.54

SOUTH EDGE OF SIDEWALK

Location	Station	Offset	Theoretical Grade Elevations
West End Approach Slab	104+69.30	27.00	600.77
A	104+79.30	27.00	600.83
B	104+89.30	27.00	600.89
East End Approach Slab	104+99.30	27.00	600.96

SOUTH EDGE OF SHOULDER

Location	Station	Offset	Theoretical Grade Elevations
West End Approach Slab	104+65.26	37.58	600.53
A	104+75.26	37.58	600.59
B	104+85.26	37.58	600.66
East End Approach Slab	104+95.26	37.58	600.72

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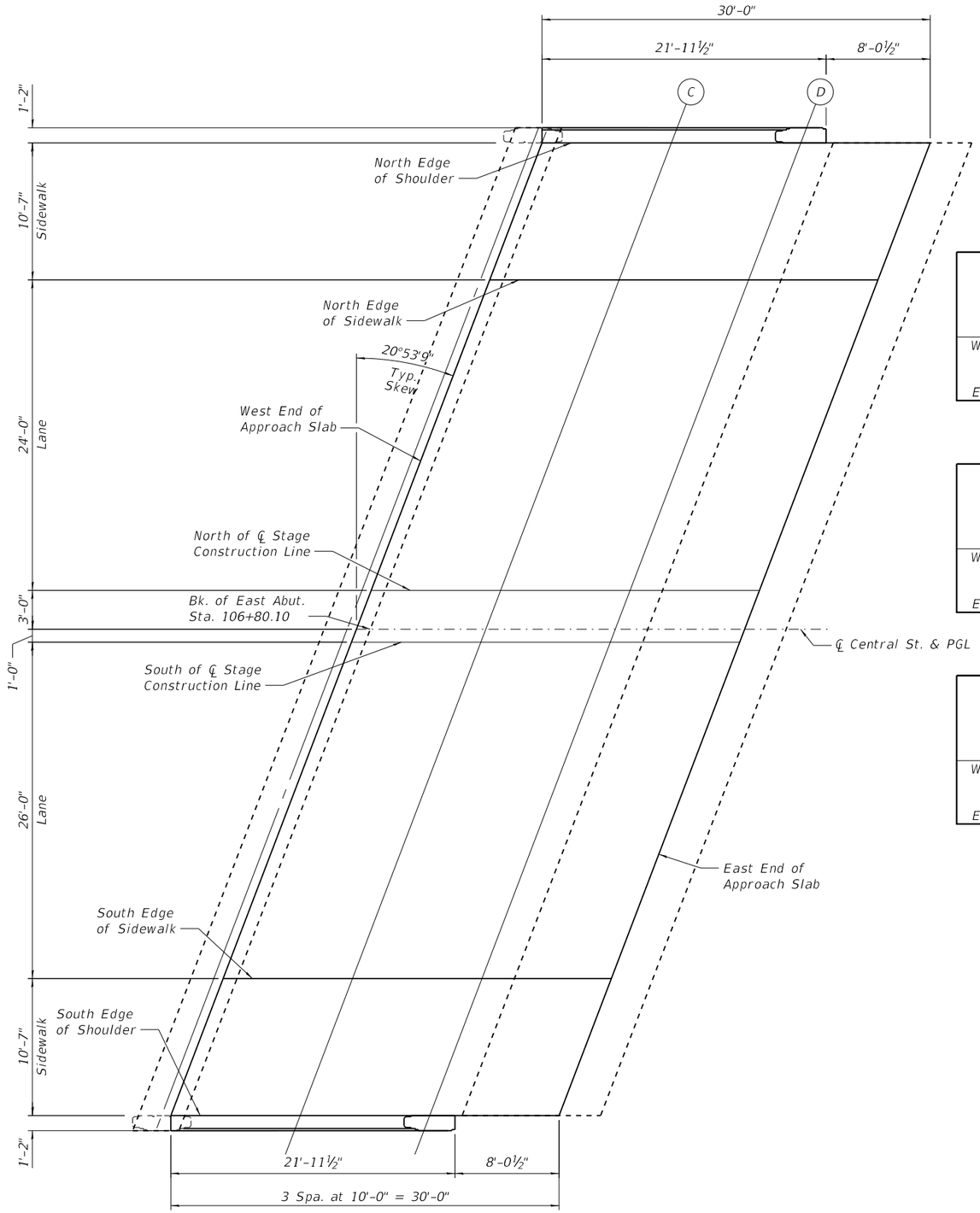
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TOP OF WEST END APPROACH SLAB ELEVATIONS
STRUCTURE NUMBER 016-6949
NONE SHEET S-11 OF S-56 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1301	16-00278-00-BR	COOK	136	74
		CONTRACT NO. 61F92		
		ILLINOIS	FED. AID PROJECT	



EAST APPROACH SLAB PLAN

N

NORTH EDGE OF SHOULDER

Location	Station	Offset	Theoretical Grade Elevations
West End Approach Slab	106+93.37	-37.58	601.99
C	107+03.37	-37.58	602.05
D	107+13.37	-37.58	602.12
East End Approach Slab	107+23.37	-37.58	602.18

NORTH EDGE OF SIDEWALK

Location	Station	Offset	Theoretical Grade Elevations
West End Approach Slab	106+89.33	-27.00	602.17
C	106+99.33	-27.00	602.24
D	107+09.33	-27.00	602.30
East End Approach Slab	107+19.33	-27.00	602.37

NORTH OF ℄ STAGE CONSTRUCTION LINE

Location	Station	Offset	Theoretical Grade Elevations
West End Approach Slab	106+80.17	-3.00	602.60
C	106+90.17	-3.00	602.66
D	107+00.17	-3.00	602.72
East End Approach Slab	107+10.17	-3.00	602.79

PGL & CENTERLINE ROADWAY

Location	Station	Offset	Theoretical Grade Elevations
West End Approach Slab	106+79.03	0.00	602.65
C	106+89.03	0.00	602.71
D	106+99.03	0.00	602.78
East End Approach Slab	107+09.03	0.00	602.84

SOUTH OF ℄ STAGE CONSTRUCTION LINE

Location	Station	Offset	Theoretical Grade Elevations
West End Approach Slab	106+78.65	1.00	602.63
C	106+88.65	1.00	602.69
D	106+98.65	1.00	602.75
East End Approach Slab	107+08.65	1.00	602.82

SOUTH EDGE OF SIDEWALK

Location	Station	Offset	Theoretical Grade Elevations
West End Approach Slab	106+68.73	27.00	602.04
C	106+78.73	27.00	602.11
D	106+88.73	27.00	602.17
East End Approach Slab	106+98.73	27.00	602.23

SOUTH EDGE OF SHOULDER

Location	Station	Offset	Theoretical Grade Elevations
West End Approach Slab	106+64.69	37.58	601.80
C	106+74.69	37.58	601.87
D	106+84.69	37.58	601.93
East End Approach Slab	106+94.69	37.58	602.00

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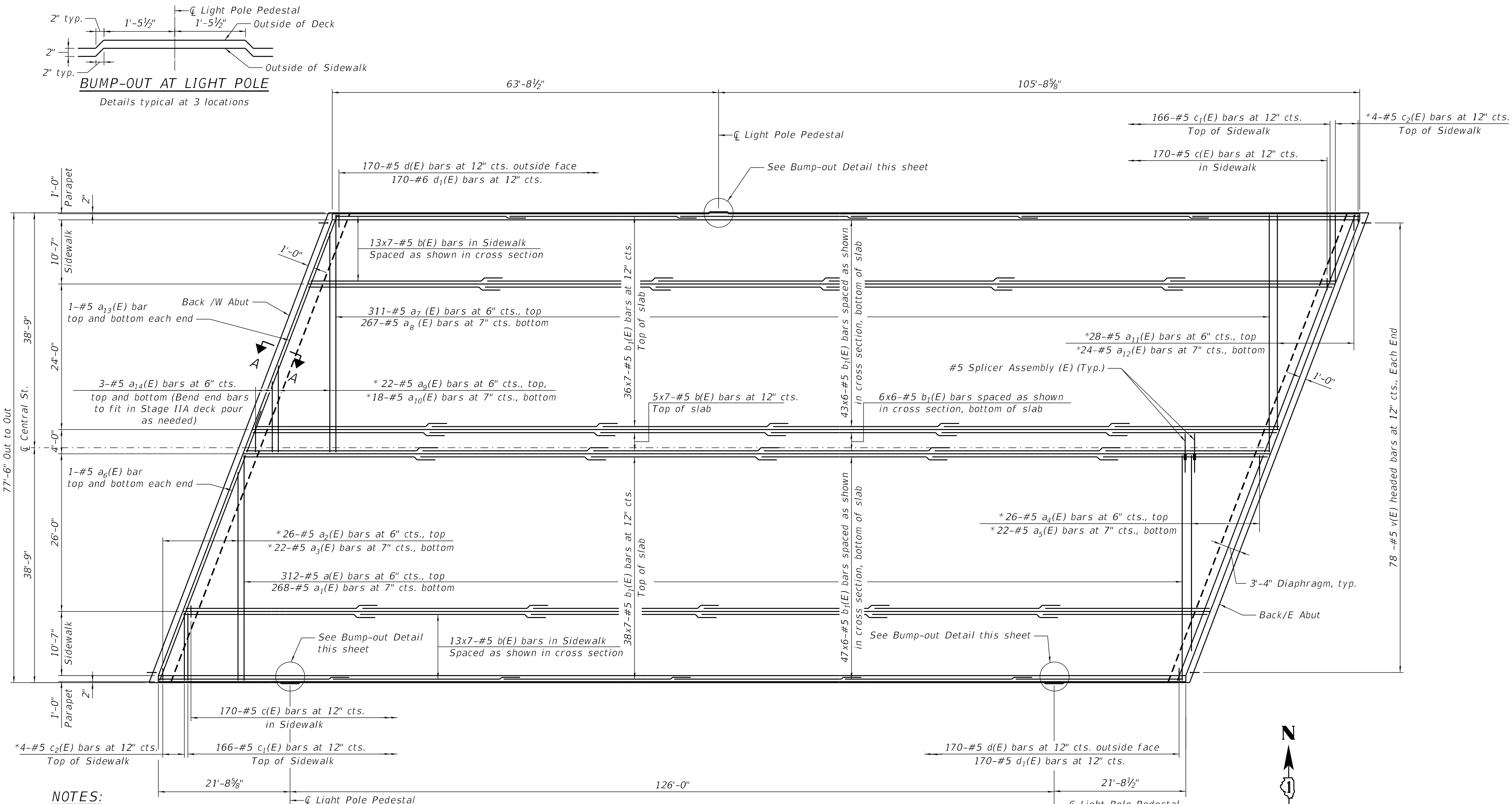
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TOP OF EAST END APPROACH SLAB ELEVATIONS
STRUCTURE NUMBER 016-6949

NONE SHEET S-12 OF S-56 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1301	16-00278-00-BR	COOK	136	75
		CONTRACT NO. 61F92		
	ILLINOIS FED. AID PROJECT			



NOTES:

1. See Sheet S-14 for Deck Sections.
2. See Sheet S-15 for Superstructure details and Bill of Materials.
3. See Sheet S-16 for Section A-A.
4. Top bar splicer restraining device not shown for Temporary Concrete Barrier. Contractor shall include at required spacing prior to deck placement. See detail I on sheet S-6.
5. Bars indicated thus 1 x 2-#8 etc. indicates 1 line of bars with 2 lengths per line.

DECK PLAN

*See Field Cutting Diagram on Sheet S-15

MINIMUM BAR LAP

Bar	Lap
#4	2'-8"
#5	3'-6"
#6	3'-7"

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		CHECKED - DSE	REVISED -
	PLOT SCALE =	DRAWN - RTT	REVISED -
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DECK PLAN
STRUCTURE NUMBER 016–6949
NONE — SHEET S-13 OF S-56 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1301	16-00278-00-BR	COOK	136	76
		CONTRACT NO. 61F92		
		ILLINOIS	FED. AID PROJECT	

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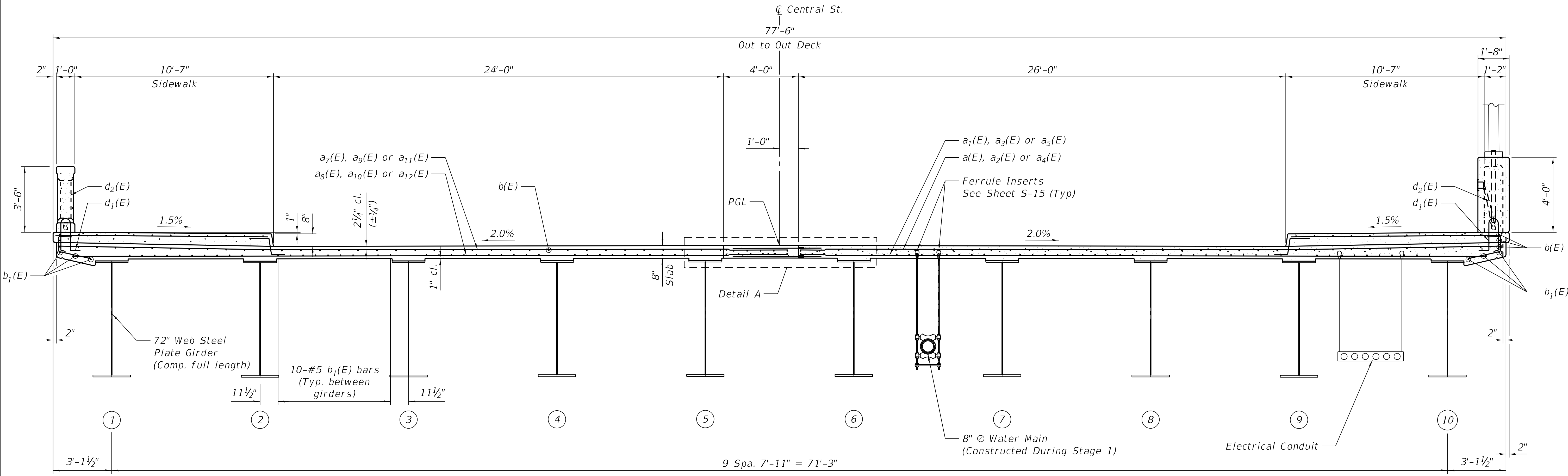
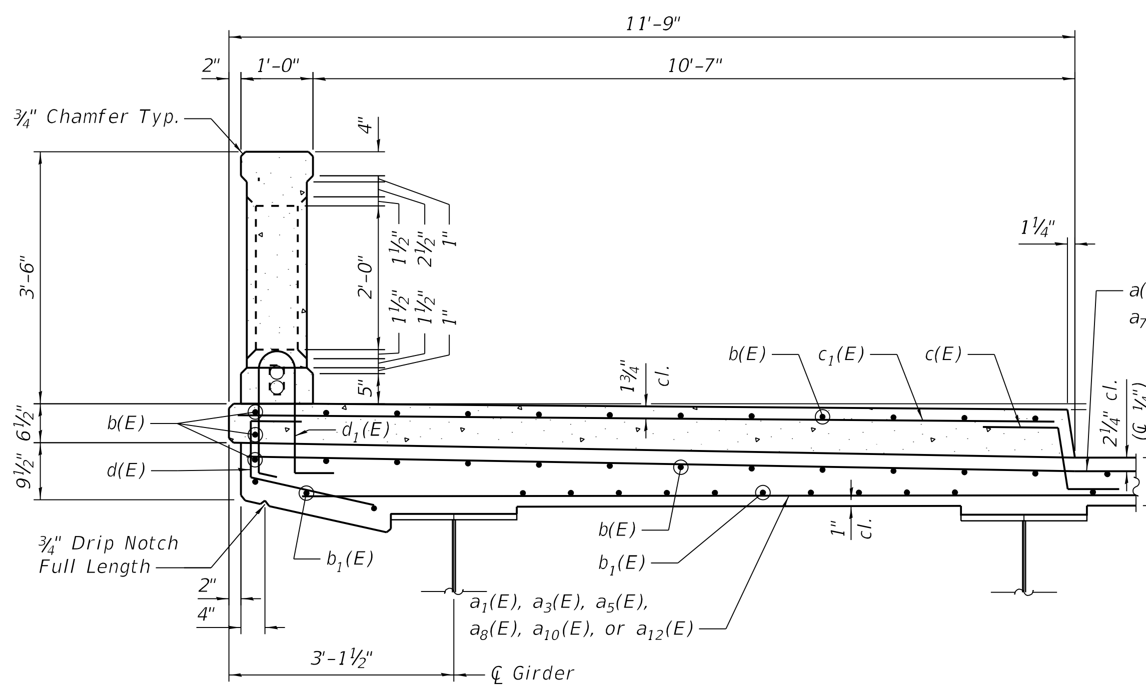
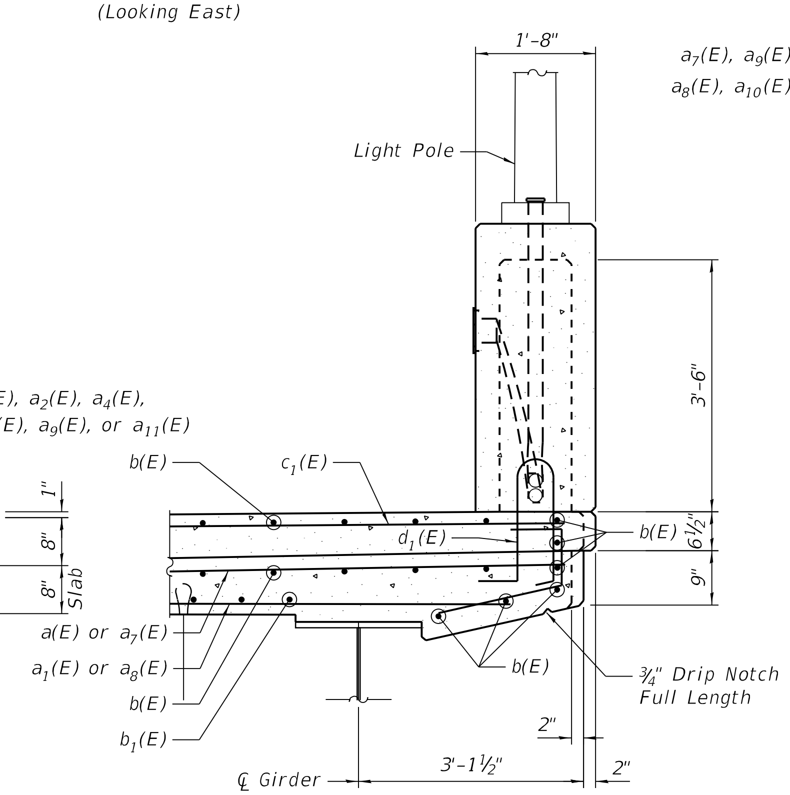


EASTBOUND SECTION THRU DECK

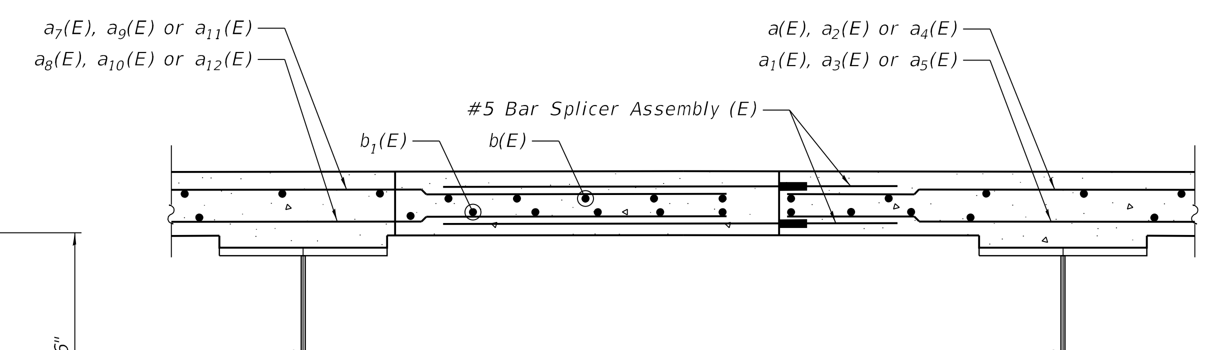
(Looking East)



SECTION THRU PARAPET



SECTION THRU LIGHT POLE



DETAIL A

NOTES:

1. Bars for bridge railing are not shown for clairty. See Sheet S-21 and S-22.

MODEL: Default
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Stanley Consultants INC.

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRIDGE CROSS SECTION
STRUCTURE NUMBER 016–6949

NONE — SHEET S-14 OF S-56 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1301	16-00278-00-BR	COOK	136	77
		CONTRACT NO. 61F92		
		ILLINOIS	FED. AID PROJECT	

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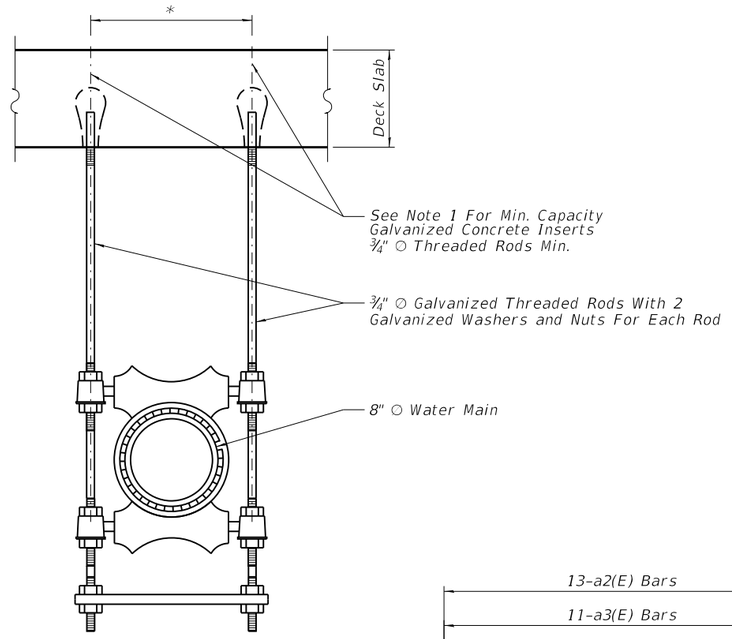
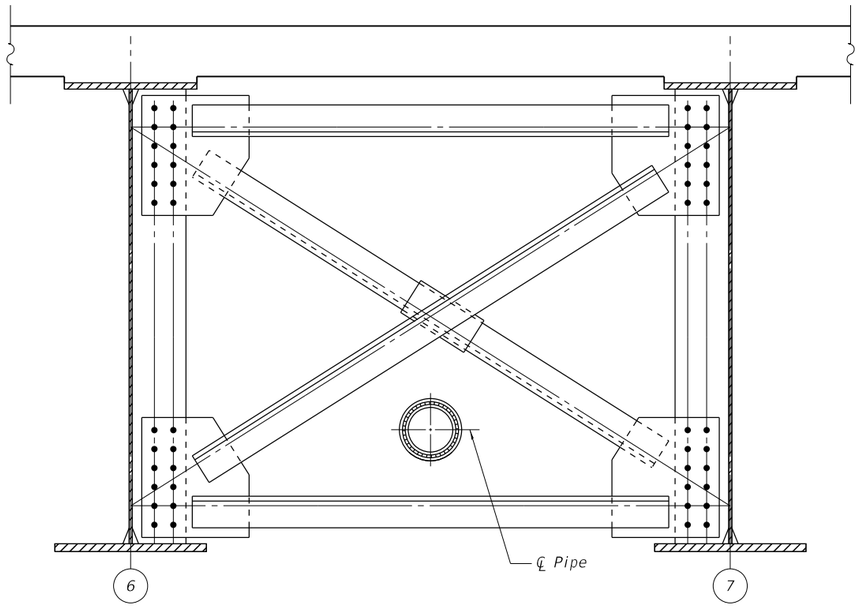
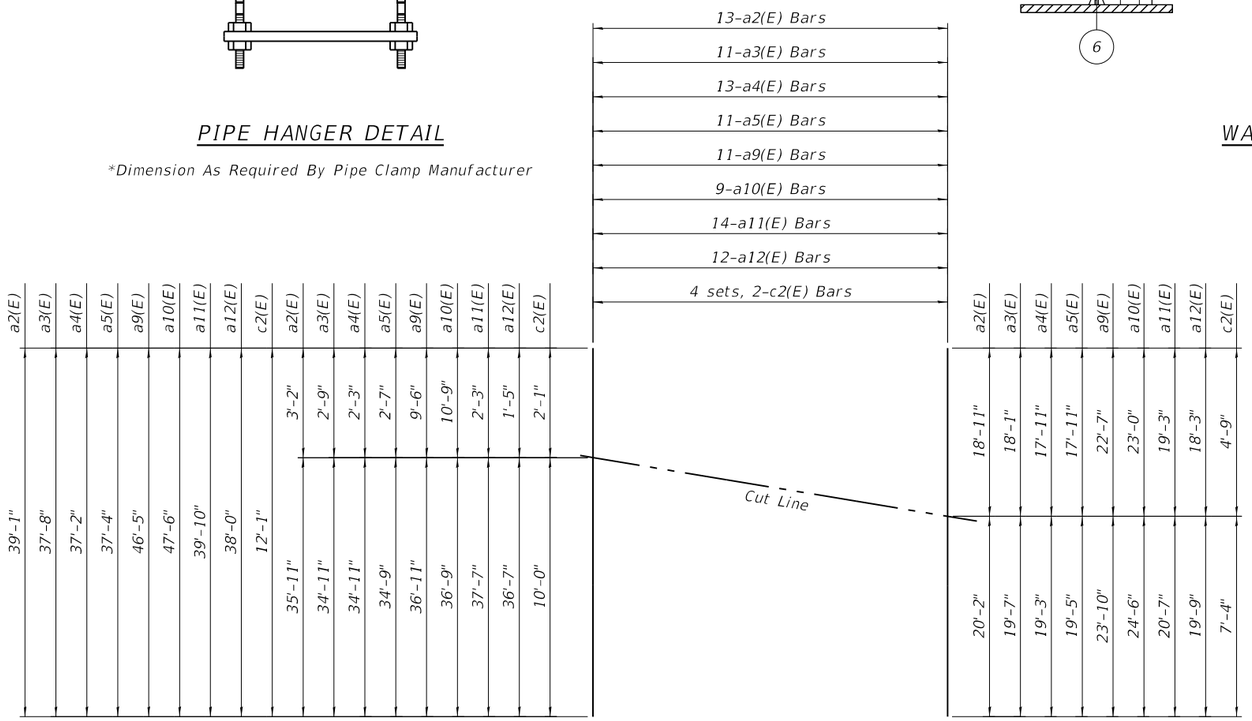


PIPE HANGER DETAIL

*Dimension As Required By Pipe Clamp Manufacturer



WATER MAIN AT CROSS FRAME



FIELD CUTTING DIAGRAM

Order bars full length cut to fit as shown and place at one end of the dimension line shown on the plan. Use remainder of bars at opposite end of the dimension line.

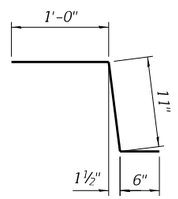
SUPERSTRUCTURE BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a(E)	312	#5	37'-3"	
a1(E)	268	#5	36'-3"	
a2(E)	13	#5	39'-1"	
a3(E)	11	#5	37'-8"	
a4(E)	13	#5	37'-2"	
a5(E)	11	#5	37'-4"	
a6(E)	4	#5	39'-10"	
a7(E)	311	#5	39'-2"	
a8(E)	267	#5	38'-2"	
a9(E)	11	#5	46'-5"	
a10(E)	9	#5	47'-6"	
a11(E)	14	#5	39'-10"	
a12(E)	12	#5	38'-0"	
a13(E)	4	#5	42'-0"	
b(E)	735	#5	27'-3"	
b1(E)	576	#5	31'-2"	
c(E)	342	#5	2'-5"	
c1(E)	348	#5	11'-4"	
d(E)	342	#5	3'-5"	
d1(E)	342	#5	5'-8"	
m(E)	16	#6	37'-4"	
m1(E)	16	#6	39'-4"	
m2(E)	112	#6	7'-6"	
m3(E)	14	#6	4'-5"	
m4(E)	28	#6	2'-9"	
m5(E)	120	#6	4'-2"	
s(E)	178	#5	1'-5"	
s1(E)	178	#5	16'-9"	
v(E)	158	#5	3'-3"	
Concrete Superstructure			Cu. Yd.	535
Bridge Deck Grooving			Sq. Yd.	1,326
Protective Coat			Sq. Yd.	1,966
Reinforcement Bars, Epoxy Coated			Pound	105,730

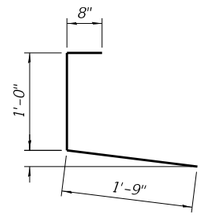
NOTES:

1. Concrete Anchors for 8" D.I. Water Main shall be Cast-In-Place Galvanized Ferule Loops on not more than 5'-0"spacing. Pipe hangers shall have a load capacity of not less than 500 pounds for 8" pipe. Mechanical inserts or adhesive anchor systems are not permitted.

2. Contractor shall submit shop drawings of the complete hanger system to the engineer for review and approval prior to fabrication.



BAR c(E)



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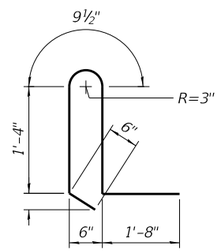

BAR d_1(E)

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Stanley Consultants INC.

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		CHECKED -	DSE	REVISED -	
PLOT SCALE =		DRAWN -	RTT	REVISED -	
PLOT DATE =		CHECKED -	05-18-2020	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE DETAILS
STRUCTURE NUMBER 016-6949

NONE SHEET S-15 OF S-56 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1301	16-00278-00-BR	COOK	136	78
		CONTRACT NO. 61F92		
	ILLINOIS FED. AID PROJECT			

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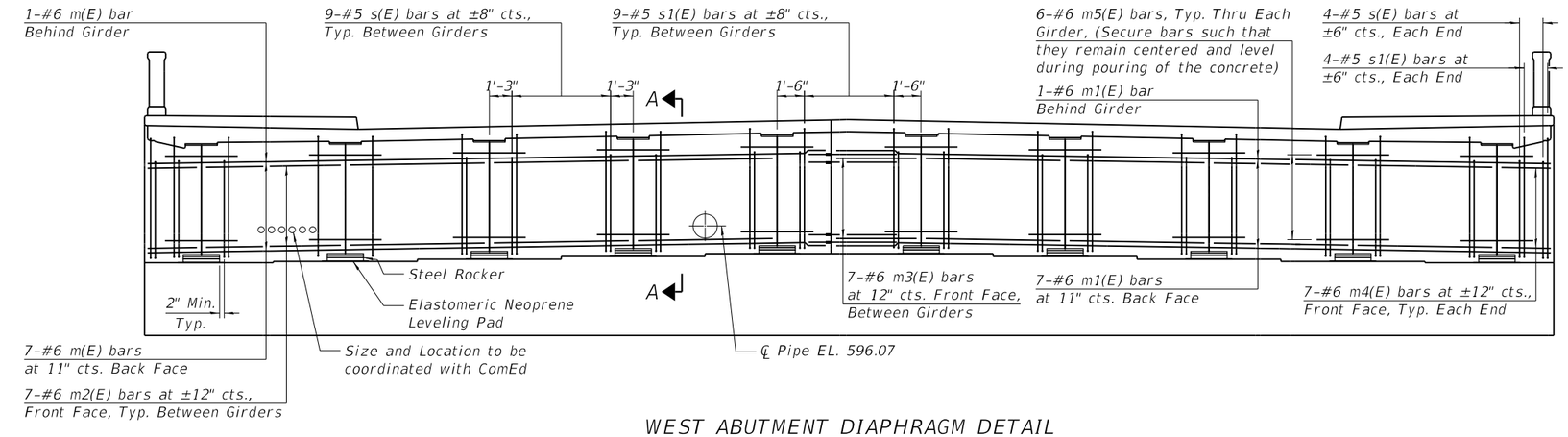
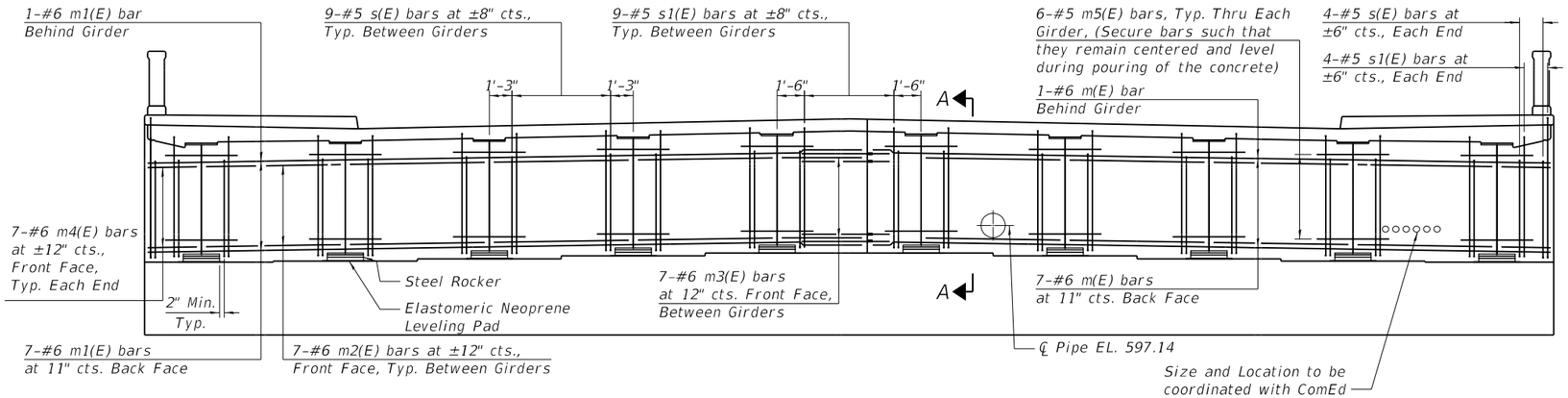


WEST ABUTMENT DIAPHRAGM DETAIL

(Looking West)



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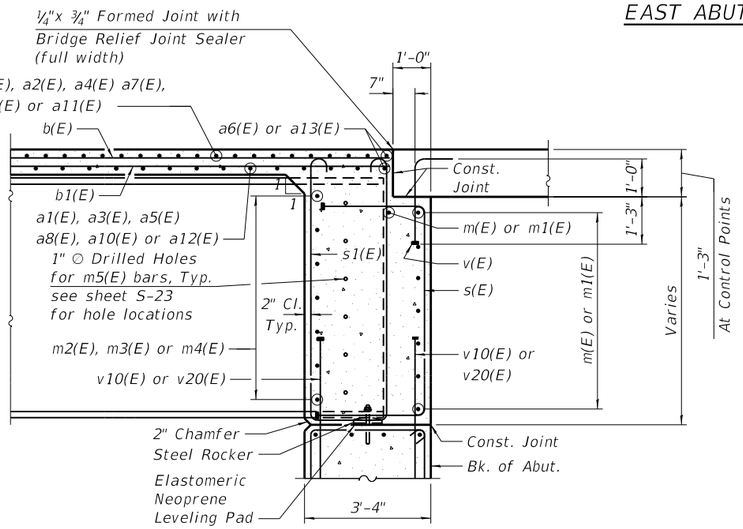
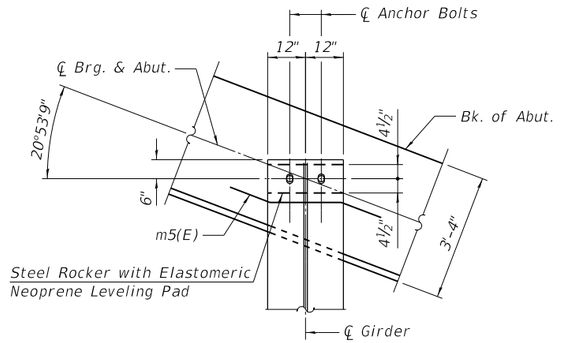
(Looking East)

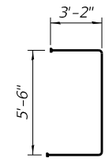


SECTION A-A

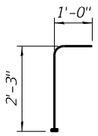


PARTIAL PLAN AT ABUTMENT

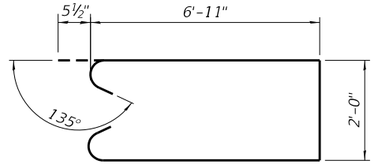
(Showing bearing orientation)



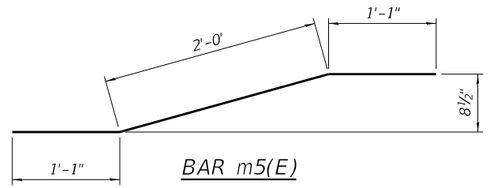
BAR s(E)



BAR v(E)



BAR s1(E)



BAR m5(E)

NOTES:

1. Reinforcement bars in diaphragm are billed with superstructure on sheet S-15.
2. Concrete in diaphragm is included with Concrete Superstructure on sheet S-15.
3. Ths s(E) and s1(E) bars shall be placed parallel to the girders. Spacing for these bars shall be at right angles to the girders.
4. The approach slab seat shall have a constant slope determined from the control points shown on Sectiion B-B see sheet S-19.
5. For bearing details see sheet S-25.

MINIMUM BAR LAP

Bar	Lap
#5	3'-6"
#6	3'-7"

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DIAPHRAGM DETAILS
STRUCTURE NUMBER 016-6949

NONE SHEET S-16 OF S-56 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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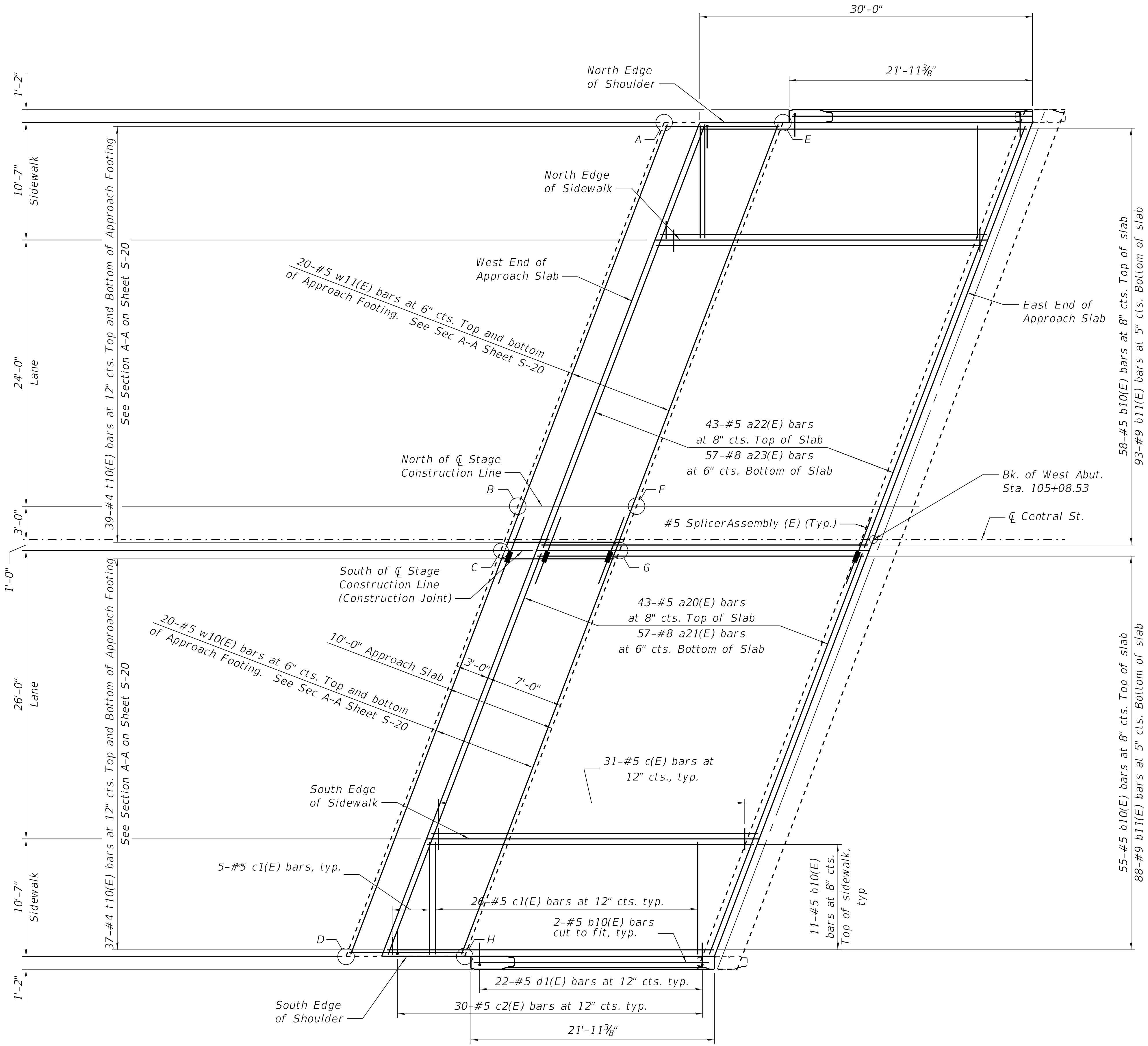
		CONTRACT NO. 61F92		
	ILLINOIS FED. AID PROJECT			



WEST APPROACH SLAB PLAN

TOP AND BOTTOM ELEVATIONS FOR APPROACH FOOTING

Point	Approach Footing Top	Approach Footing Bottom
A	599.45	598.62
B	600.05	599.22
C	600.08	599.25
D	599.26	598.43
E	599.52	598.69
F	600.12	599.29
G	600.15	599.32
H	599.33	598.50

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRIDGE WEST END APPROACH SLAB PLAN
STRUCTURE NUMBER 016–6949

NONE — SHEET S-17 OF S-56 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1301	16-00278-00-BR	COOK	136	80

CONTRACT NO. 61F92

ILLINOIS FED. AID PROJECT

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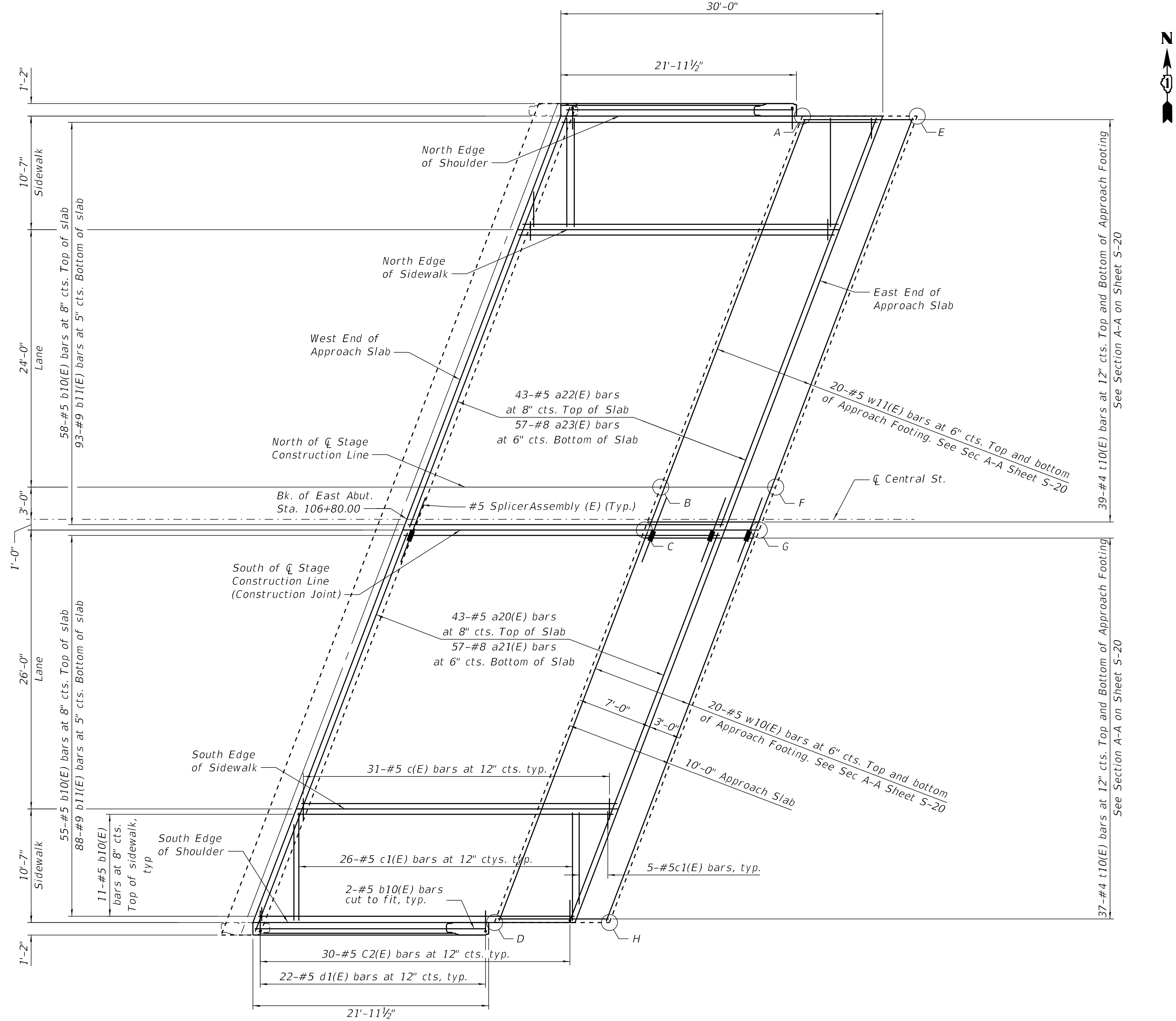

EAST APPROACH SLAB PLAN

TOP AND BOTTOM ELEVATIONS FOR APPROACH FOOTING

	Approach Footing	
Point	Top	Bottom
A	600.89	600.06
B	601.49	600.66
C	601.52	600.69
D	600.70	599.87
E	600.96	600.13
F	601.56	600.73
G	601.60	600.77
H	600.77	599.94

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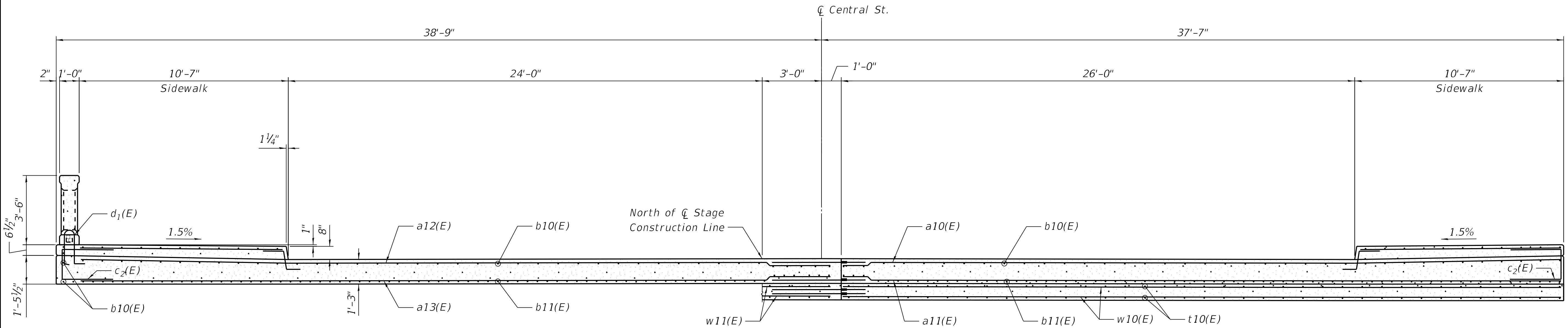
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRIDGE EAST END APPROACH SLAB PLAN
STRUCTURE NUMBER 016–6949

NONE SHEET S-18 OF S-56 SHEETS

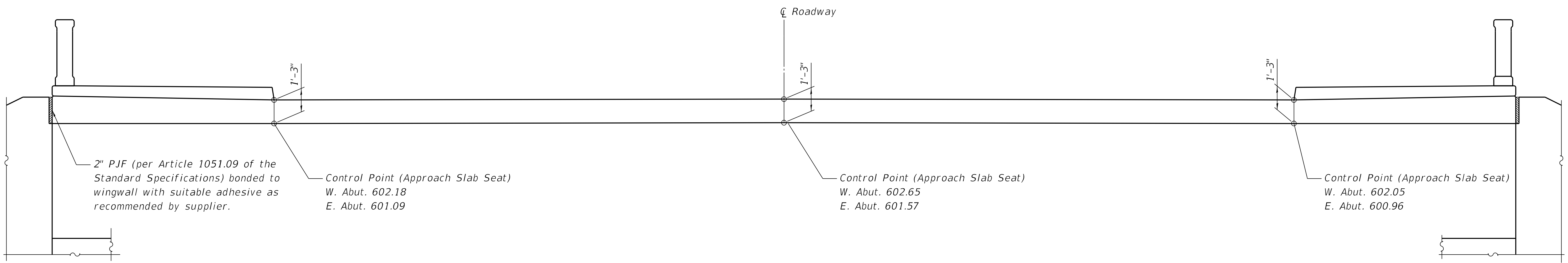
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1301	16-00278-00-BR	COOK	136	81

CONTRACT NO. 61F92
ILLINOIS FED. AID PROJECT



NEAR ABUTMENT
(Looking East)

AT APPROACH FOOTING
(Looking East)



NEAR ABUTMENT
(See Sheet S-16 For Section)
(Looking East)

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Stanley Consultants INC.

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PLOT DATE =	CHECKED - 05-18-2020	REVISED -	

BRIDGE APPROACH SLAB DETAILS 1 OF 2
STRUCTURE NUMBER 016–6949

NONE SHEET S-19 OF S-56 SHEETS

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

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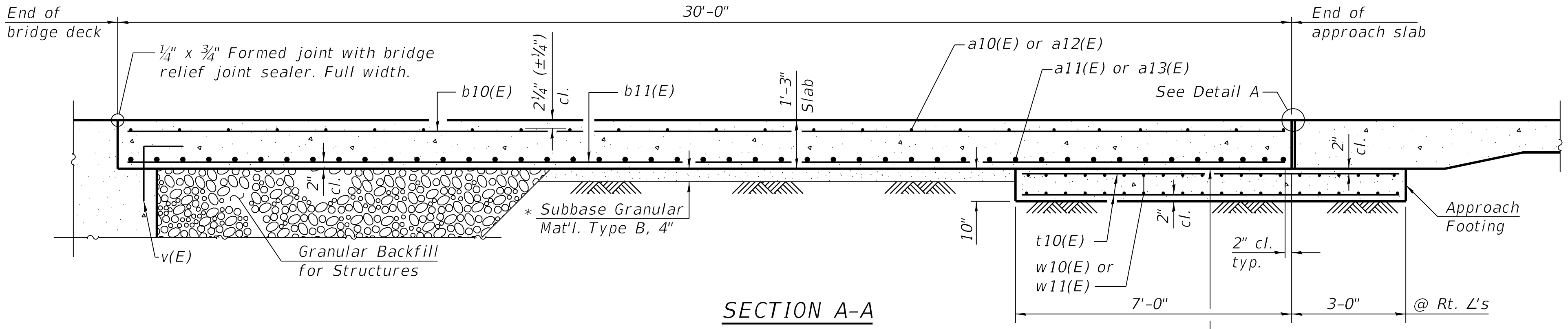
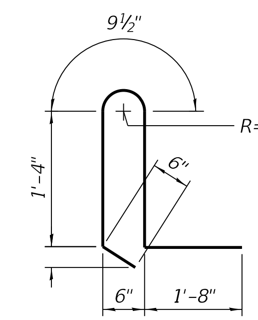


SECTION A-A

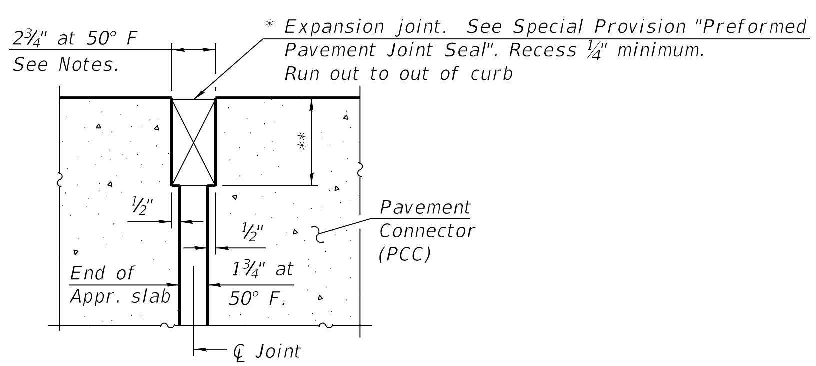
TWO APPROACHES BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a20(E)	86	#5	38'-9"	——
a21(E)	114	#8	38'-9"	——
a22(E)	86	#5	40'-11"	——
a23(E)	114	#8	40'-11"	——
b10(E)	278	#5	29'-8"	——
b11(E)	362	#9	29'-8"	——
c(E)	124	#5	2'-5"	⌝
c1(E)	124	#5	11'-4"	——
c2(E)	120	#5	8'-6"	⊏
d1(E)	88	#5	5'-8"	∟
t10(E)	304	#5	9'-8"	——
w10(E)	80	#5	38'-9"	——
w11(E)	80	#5	40'-11"	——
Concrete Superstructure			Cu. Yd.	272
Concrete Structures			Sq. Yd.	62
Reinforcement Bars, Epoxy Coated			Pound	89,590

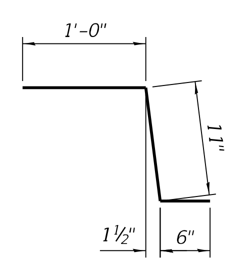
Notes:
The joint opening shall be adjusted for temperature per Article 520.04 of the Standard Specifications. However, since this detail is for jointless structures, the length of bridge used to calculate the adjustment shall be equal to half the total bridge length plus the length of the bridge approach slab.
Approach slab shall be paid for as Concrete Superstructure (Approach Slab).
Approach footing concrete shall be paid for as Concrete Structures.
The approach footing maximum applied service bearing pressure (Qmax) = 2.0 ksf.
Cost of excavation for approach footing included with Concrete Structures.
For Granular Backfill for Structures and drainage treatment details, see sheet S-2 of S-37.



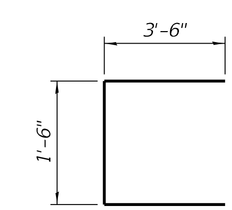
BAR d_1(E)



DETAIL A
(@ Rt. ∠'s)



BAR c(E)



BAR c2(E)

* Cost included with Concrete Superstructure (Approach Slab).

** Per manufacturer recommendations

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRIDGE APPROACH SLAB DETAILS 2 OF 2
STRUCTURE NUMBER 016-6949

NONE SHEET S-20 OF S-56 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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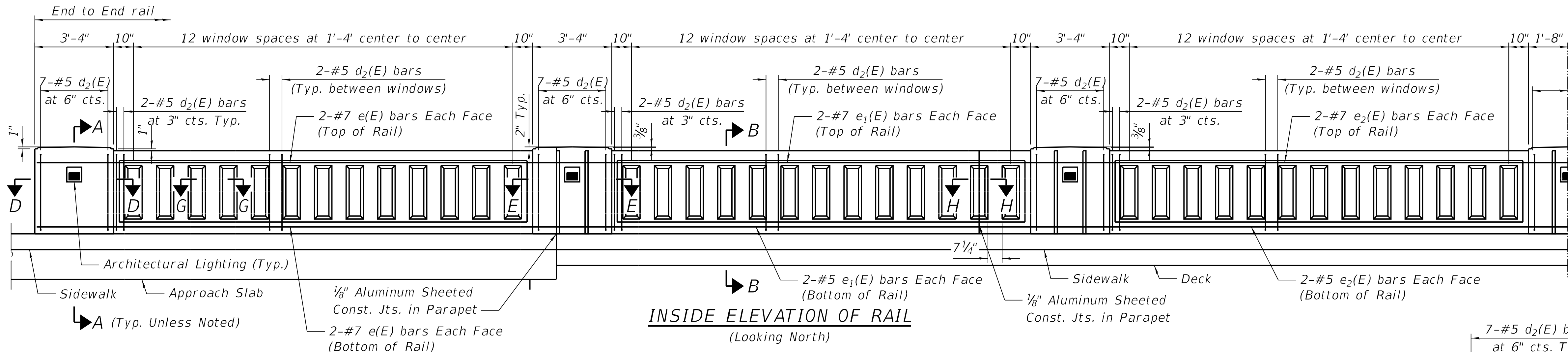
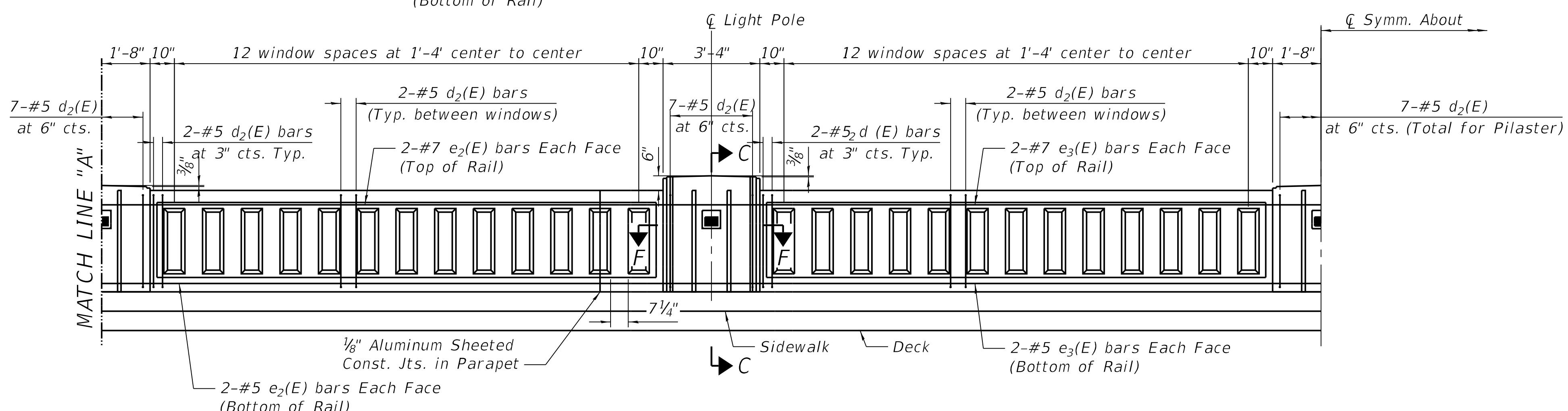
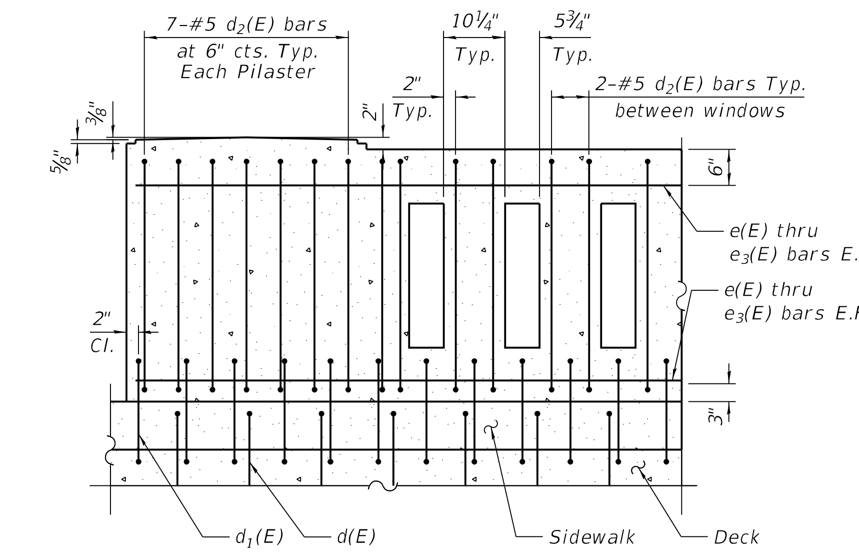
		CONTRACT NO. 61F92		
		ILLINOIS	FED. AID PROJECT	



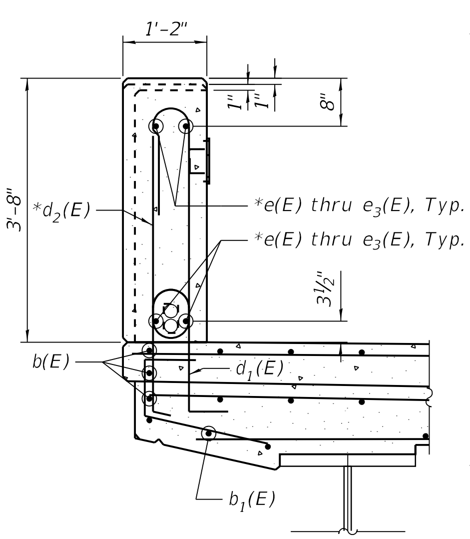
INSIDE ELEVATION OF RAIL
(Looking North)



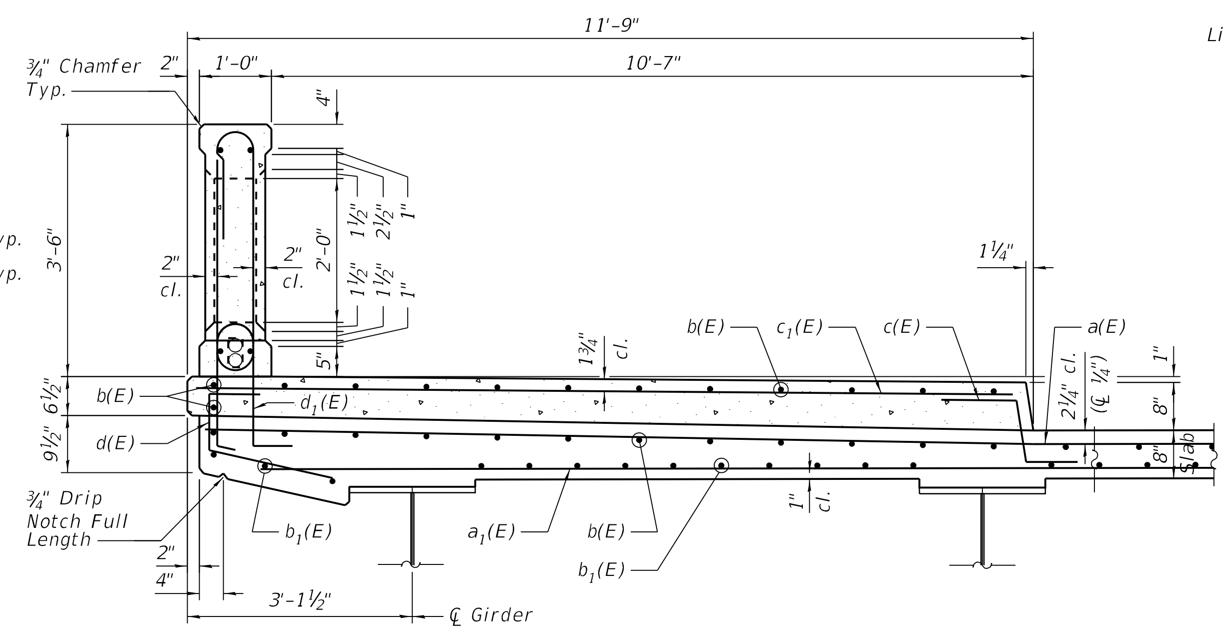
INSIDE ELEVATION OF RAIL
(Looking North)



TYPICAL REINFORCEMENT PLACEMENT
(Inside Face)

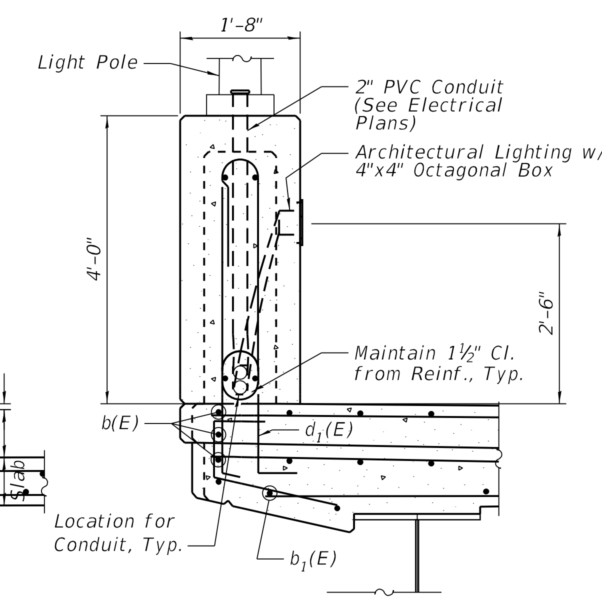


SECTION A-A



SECTION B-B

*Bars e(E) thru e3(E) and d2(E) are included in the cost of Concrete Bridge Railing, Sidewalk Mounted.



SECTION C-C

NOTES:

1. All concrete for railing wall shall be Class BS according to Article 1020.04 of the Standard Specifications. Surface of railing shall receive a rubbed finish according to Article 503.15(b) of the Standard Specifications.
2. All parts of the railing including concrete and reinforcing will be paid for at the contract unit price per foot for Concrete Bridge Railing, Sidewalk Mounted.
3. Holes and recesses must be formed or cored. Drilling is not permitted.
4. Aluminum sheets shall be according to ASTM B209 alloy 3003-H14.
5. Inside elevation of northwest parapet shown. Elevation of northeast, southeast, and southwest are similar.
6. Location of Light Poles are shown on sheet S-1.

MIN. BAR LAP

#5 bars = 3'-1"
#7 bars = 5'-10"

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRIDGE RAILING DETAILS 1 OF 2
STRUCTURE NUMBER 016-6949

NONE SHEET S-21 OF S-56 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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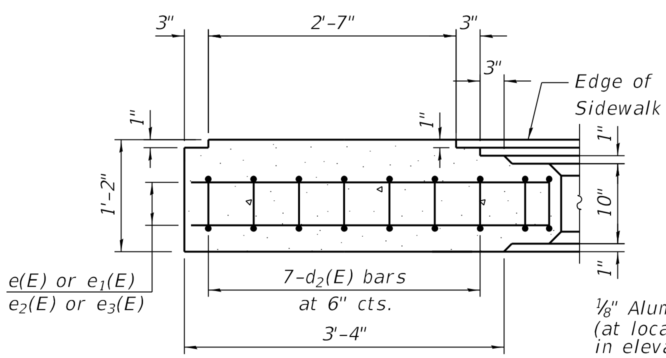
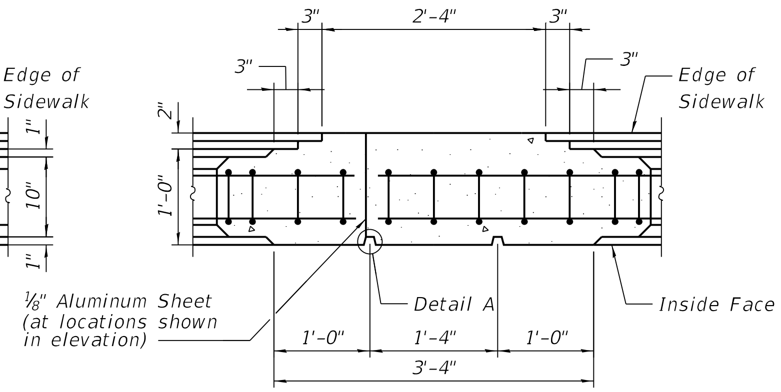
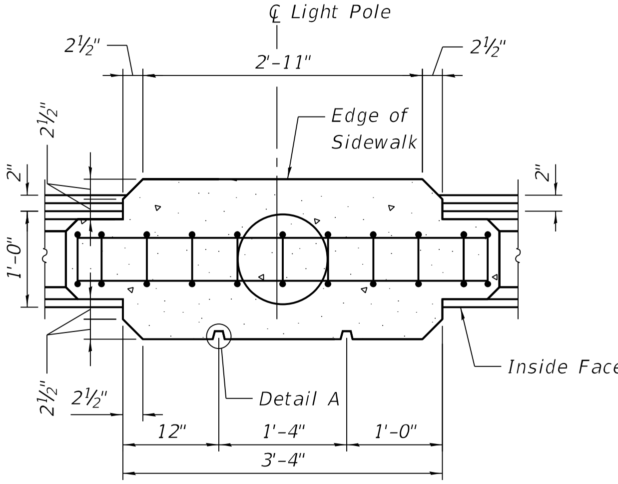
		CONTRACT NO. 61F92		
		ILLINOIS	FED. AID PROJECT	



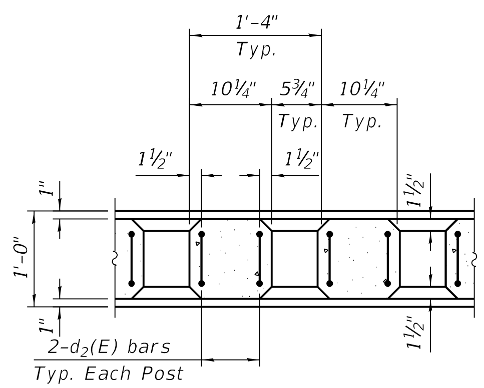
SECTION D-D



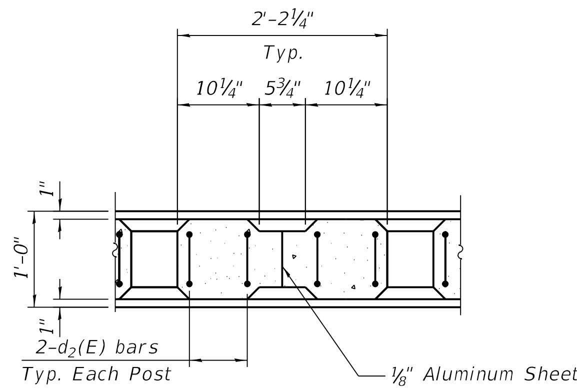
SECTION E-E



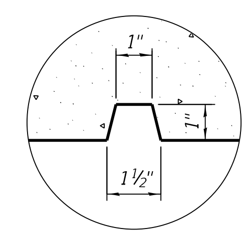
SECTION F-F



SECTION G-G



SECTION H-H



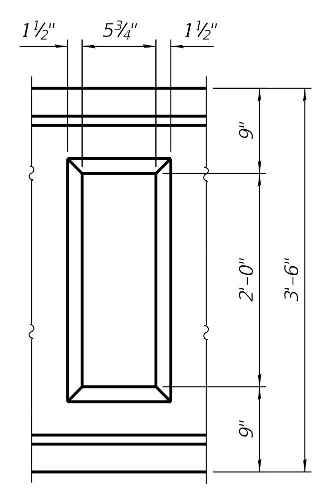
DETAIL A

BRIDGE RAILING BILL OF MATERIAL

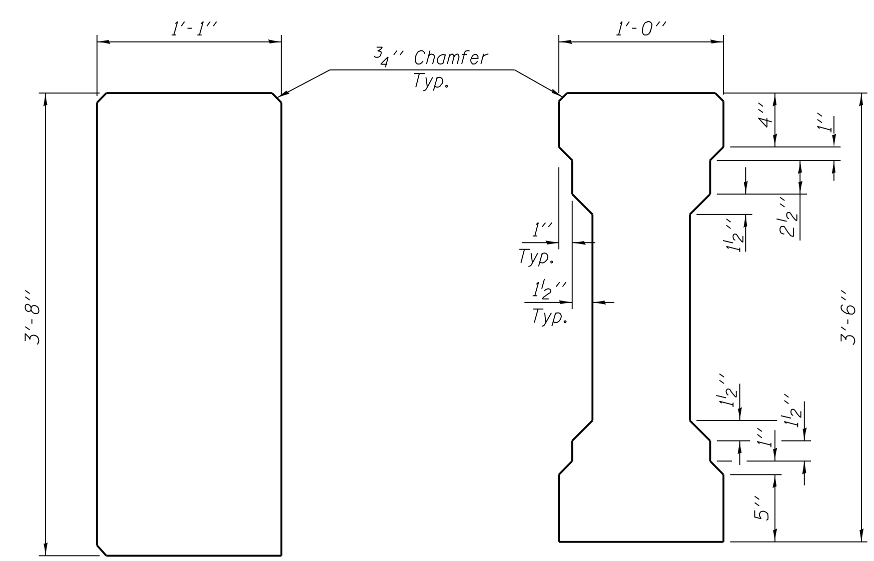
Bar	No.	Size	Length	Shape
$d_2(E)$	714	#5	8'-8"	
$e(E)$	16	#7	21'-8"	
$e_1(E)$	16	#7	17'-6"	
$e_2(E)$	16	#7	41'-8"	
$e_3(E)$	8	#7	49'-2"	
* Reinforcement Bars, Epoxy Coated			Pound	9,900
* Concrete Superstructure			Cu. Yds.	51
Concrete Bridge Railing, Sidewalk Mounted			Foot	427

Bars indicated thus 1 x 15-#5 etc. indicates 1 line of bars with 15 lengths per line.

* Shown for information only. Costs of these items are included in the cost of Concrete Bridge Railing, Sidewalk Mounted.



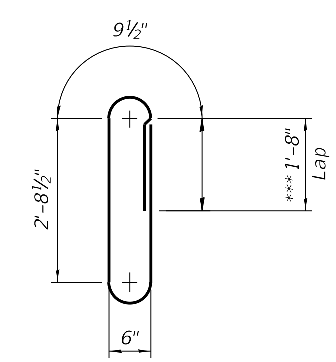
WINDOW DETAIL



PIER PILASTER JOINT

SPAN PILASTER JOINT RAILING

ALUMINUM JOINT DETAILS



BAR $d_2(E)$

***Place lap on back side of railing.

MODEL: Default
FILE NAME: Bridge Railing Details 2 of 2

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BRIDGE RAILING DETAILS 2 OF 2
STRUCTURE NUMBER 016-6949

NONE SHEET S-22 OF S-56 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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		CONTRACT NO. 61F92		
		ILLINOIS FED. AID PROJECT		

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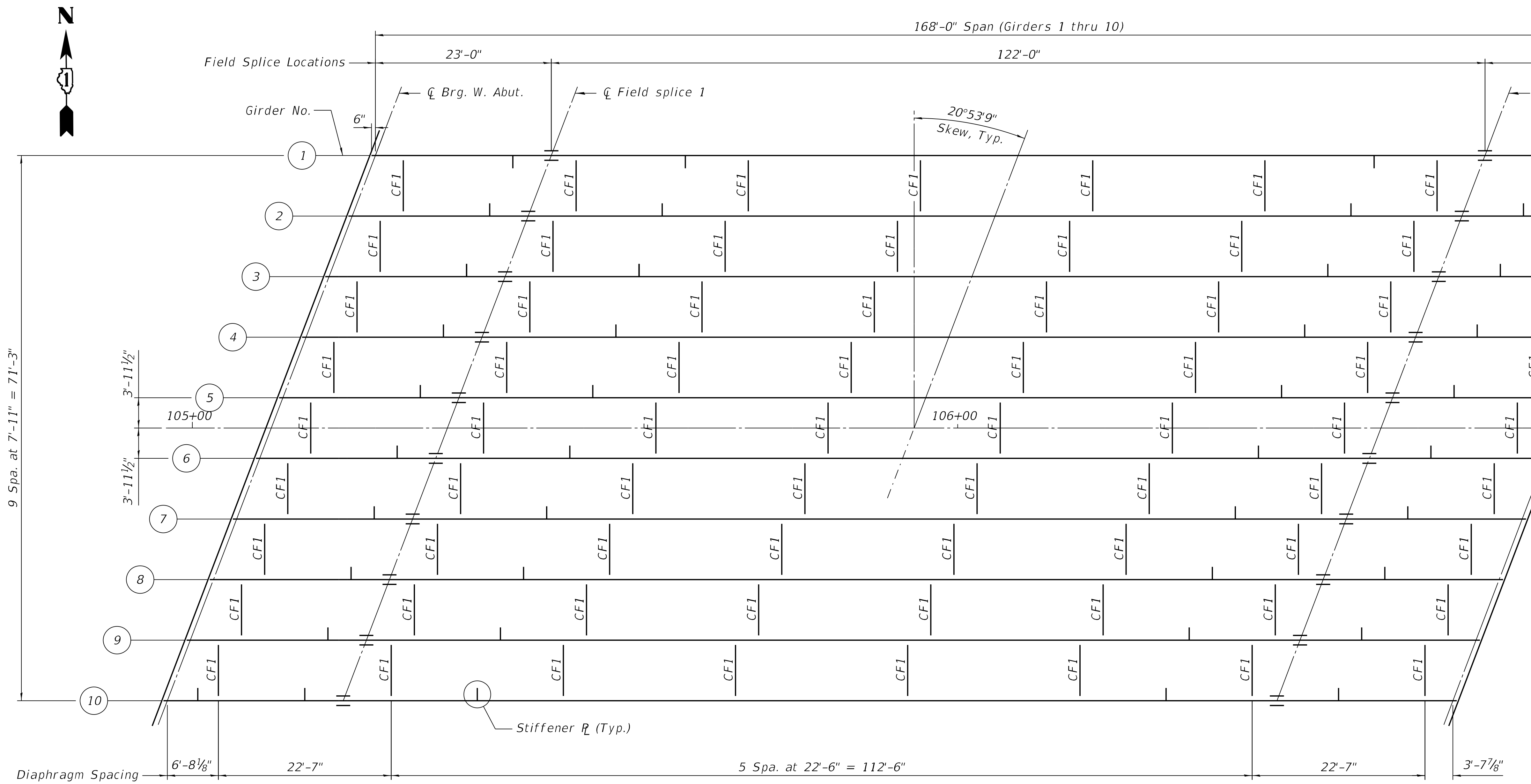
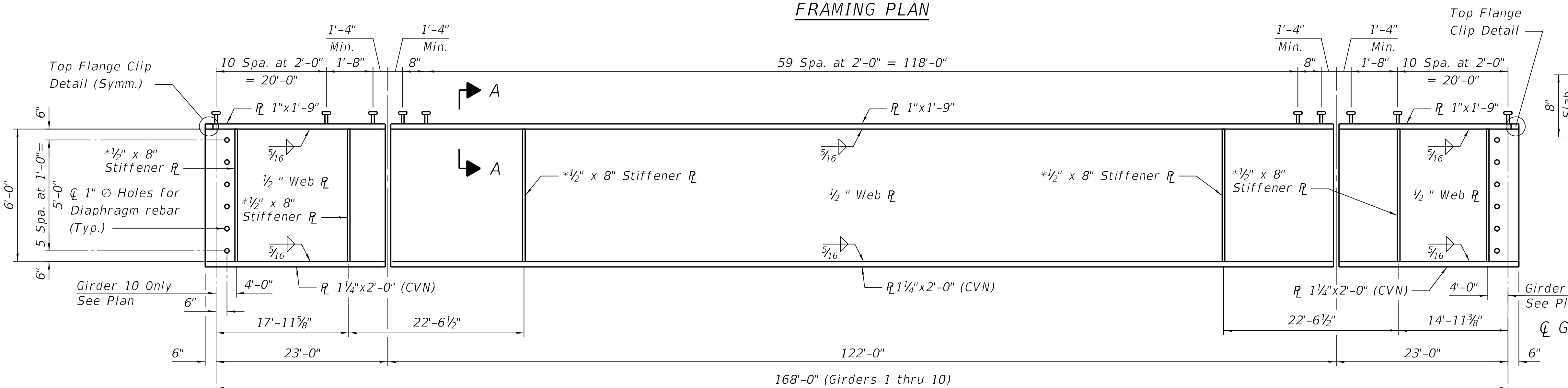
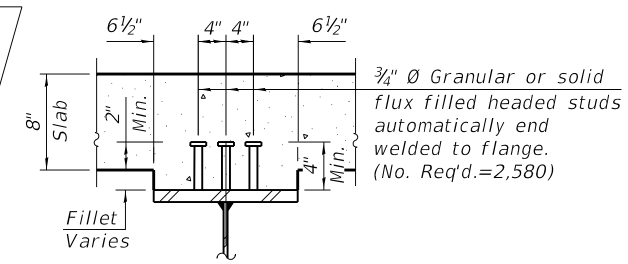


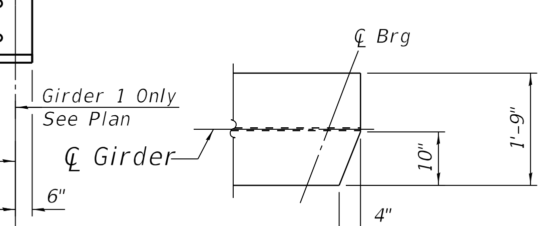
FRAMING PLAN



ELEVATION



SECTION A-A



TOP PLAN CLIP DETAIL

NOTES:

1. All structural steel for girders and splice plates shall conform to the requirements of AASHTO M270, Grade 50.
2. All cross frames or diaphragms shall be installed as steel is erected and secured with erection pins and bolts except as otherwise noted. Individual cross frames or diaphragms at supports may be temporarily disconnnected to install bearing anchor rods.
3. All carrying components designated "CVN" shall conform to the impact Testing Requirement, Zone 2.

* Web Stiffener to be placed on one side of web only. Place web stiffener on inside of fascia girders.

Stanley Consultants INC.	USER NAME =	DESIGNED - CSP	REVISED -
		CHECKED - DSE	REVISED -
	PLOT SCALE =	DRAWN - RTT	REVISED -
	PLOT DATE =	CHECKED - 05-18-2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FRAMING PLAN AND ELEVATION
STRUCTURE NUMBER 016-6949

NONE — SHEET S-23 OF S-56 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1301	16-00278-00-BR	COOK	136	86
		CONTRACT NO. 61F92		
		ILLINOIS	FED. AID PROJECT	

MODEL: Default
FILE NAME: Framing Plan and Elevation
5/13/2020 4:45:08 PM

INTERIOR GIRDER MOMENT TABLE		
		0.5 Sp.
Is	(in^4)	82,508.00
Ic(n)	(in^4)	185,254.00
Ic(3n)	(in^4)	135,698.00
Ic(cr)	(in^4)	135,698.00
Ss	(in^3)	2,021.26
Sc(n)	(in^3)	11,777.11
Sc(3n)	(in^3)	4,881.22
Sc(cr)	(in^3)	4,881.22
DC1	(k/')	1.16
MDC1	('k)	4,076.00
DC2	(k/')	0.24
MDC2	('k)	826.00
DW	(k/')	0.41
MDW	('k)	1,458.00
M_{LL+IM}	('k)	2,857.00
Mu (Strength I)	('k)	13,409.10
Øf Mn	('k)	15,705.30
fs DC1	(ksi)	24.20
fs DC2	(ksi)	3.39
fs DW	(ksi)	5.99
fs (LL+IM)	(ksi)	2.91
fs (Service II)	(ksi)	37.36
0.95Rh Fyf	(ksi)	47.50
fs (Total)(Strength I)	(ksi)	47.19
Øf Fn	(ksi)	50.00
Vf	(k)	52.62

INTERIOR GIRDER REACTION TABLE		
		Abut.
RDC1	(k)	99.57
RDC2	(k)	19.78
RDW	(k)	34.92
R_{LL+IM}	(k)	90.28
RTotal	(k)	244.54

Is, Ss: Non-composite moment of inertia and section modulus of the steel section used for computing fs(Total-Strength I, and Service II) due to non-composite dead loads ($in.^4$ and $in.^3$).

Ic(n), Sc(n): Composite moment of inertia and section modulus of the steel and deck based upon the modular ratio, "n", used for computing fs(Total-Strength I, and Service II) in uncracked sections due to short-term composite live loads ($in.^4$ and $in.^3$).

Ic(3n), Sc(3n): Composite moment of inertia and section modulus of the steel and deck based upon 3 times the modular ratio, "3n", used for computing fs(Total-Strength I, and Service II) in uncracked sections, due to long-term composite (superimposed) dead loads ($in.^4$ and $in.^3$).

Ic(cr), Sc(cr): Composite moment of inertia and section modulus of the steel and longitudinal deck reinforcement, used for computing fs (Total-Strength I and Service II) in cracked sections, due to both short-term composite live loads and long-term composite (superimposed) dead loads ($in.^4$ and $in.^3$).

DC1: Un-factored non-composite dead load (kips/ft.).

MDC1: Un-factored moment due to non-composite dead load (kip-ft.).

DC2: Un-factored long-term composite (superimposed excluding future wearing surface) dead load (kips/ft.).

MDC2: Un-factored moment due to long-term composite (superimposed excluding future wearing surface) dead load (kip-ft.).

DW: Un-factored long-term composite (superimposed future wearing surface only) dead load (kips/ft.).

MDW: Un-factored moment due to long-term composite (superimposed future wearing surface only) dead load (kip-ft.).

M_{LL+IM}: Un-factored live load moment plus dynamic load allowance (impact) (kip-ft.).

Mu (Strength I): Factored design moment (kip-ft.).
$1.25\,(MDC1 + MDC2) + 1.5\,MDW + 1.75\,M_{LL+IM}$

Øf Mn: Compact composite positive moment capacity computed according to Article 6.10.7.1 or non-slender negative moment capacity according to Article A6.1.1 or A6.1.2 (kip-ft).

fs DC1: Un-factored stress at edge of flange for controlling steel flange due to vertical non-composite dead loads as calculated below (ksi).
MDC1/ Snc

fs DC2: Un-factored stress at edge of flange for controlling steel flange due to vertical composite dead loads as calculated below (ksi).
MDC2/ Sc(3n) or MDC2/ Sc(cr) as applicable.

fs DW: Un-factored stress at edge of flange for controlling steel flange due to vertical composite future wearing surface loads as calculated below (ksi).
MDW/ Sc(3n) or MDW/ Sc(cr) as applicable.

fs (LL+IM): Un-factored stress at edge of flange for controlling steel flange due to vertical composite live load plus impact loads as calculated below (ksi).
M_{LL+IM} / Sc(n) or M_{LL+IM} / Sc(cr) as applicable.

fs (Service II): Sum of stresses as computed below (ksi).
$fsDC1 + fsDC2 + fsDW + 1.3\,fs(_{LL+IM})$

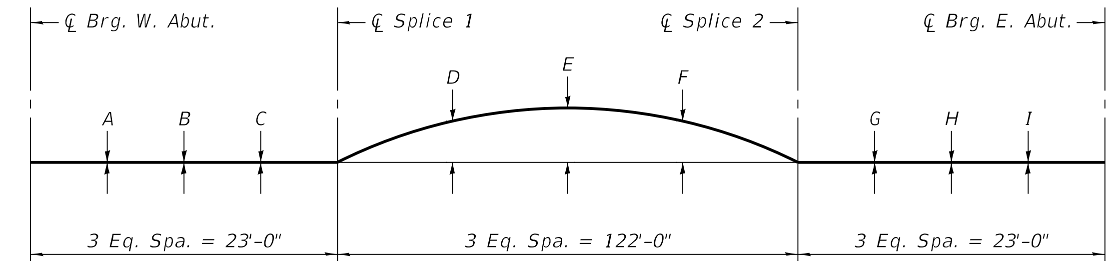
0.95RhFyf: Composite stress capacity for Service II loading according to Article 6.10.4.2 (ksi).

fs (Total)(Strength I): Sum of stresses as computed below on non-compact section (ksi).
$1.25\,(fsDC1 + fsDC2) + 1.5\,fsDW + 1.75\,fs(_{LL+IM})$

Øf Fn: Non-Compact composite positive or negative stress capacity for Strength I loading according to Article 6.10.7 or 6.10.8 (ksi).

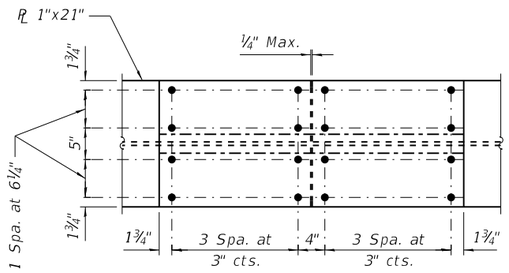
Vf: Maximum factored shear range in span computed according to Article 6.10.10.

Note:
M_{LL} and R_{LL} include the effects of centrifugal force and superelevation.

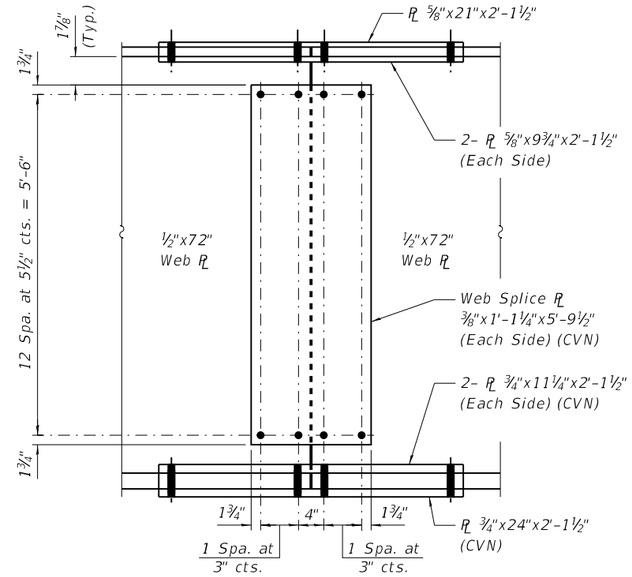


CAMBER DIAGRAM

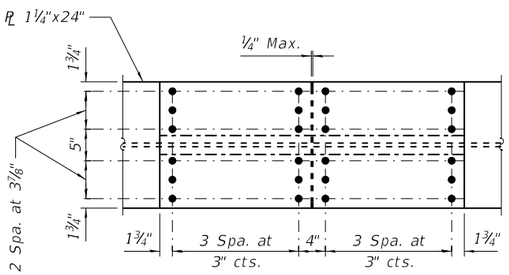
CAMBER ORDINATES									
Girder No.	A	B	C	D	E	F	G	H	I
1	0"	0"	0"	3 1/2"	4 3/4"	3 1/2"	0"	0"	0"
2	0"	0"	0"	3 1/2"	4 3/4"	3 1/2"	0"	0"	0"
3	0"	0"	0"	3 3/4"	5 1/4"	3 3/4"	0"	0"	0"
4	0"	0"	0"	3 3/4"	5 1/4"	3 3/4"	0"	0"	0"
5	0"	0"	0"	3 3/4"	5 1/4"	3 3/4"	0"	0"	0"
6	0"	0"	0"	3 3/4"	5 1/4"	3 3/4"	0"	0"	0"
7	0"	0"	0"	3 3/4"	5 1/4"	3 3/4"	0"	0"	0"
8	0"	0"	0"	3 3/4"	5 1/4"	3 3/4"	0"	0"	0"
9	0"	0"	0"	3 1/2"	4 3/4"	3 1/2"	0"	0"	0"
10	0"	0"	0"	3 1/2"	4 3/4"	3 1/2"	0"	0"	0"



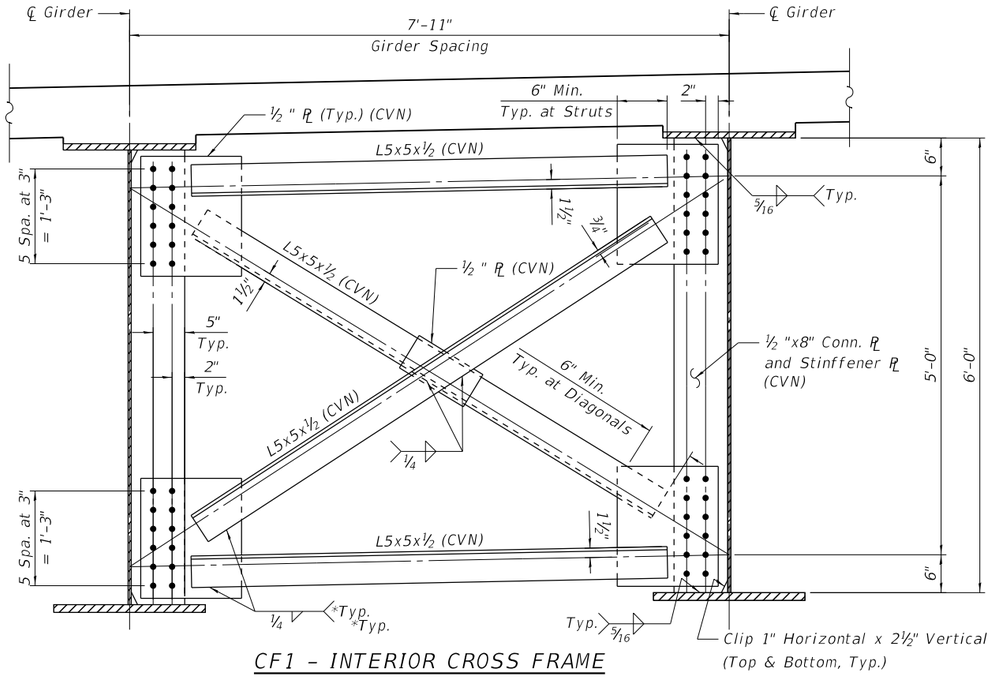
TOP FLANGE SPLICE PLATE



WEB SPLICE PLATE



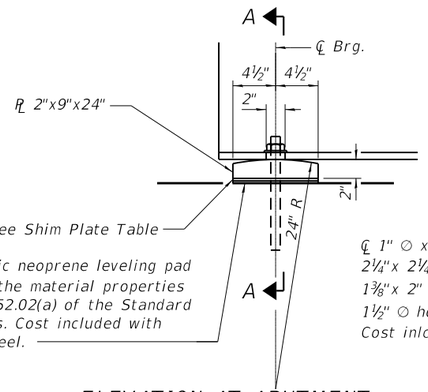
BOTTOM FLANGE SPLICE PLATE



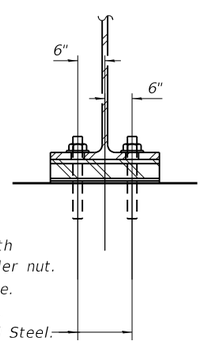
CF1 – INTERIOR CROSS FRAME

* Fillet weld angles along 3 sides on one face of gusset plate.

** Detail 1 5⁄16" ○ holes for all ¾" ○ bolts. Two hardened washers required for each set of oversized holes.



ELEVATION AT ABUTMENT



SECTION A-A

BEARING PLATE

BILL OF MATERIAL

Item	Unit	Total
Stud Shear Connectors	Each	2,580
Furnish and Erect Structural Steel, No. 1	L Sum	1

TOP OF WEB ELEVATIONS

Girder No.	W. Abut.	Splice 1	Splice 2	E. Abut.
1	600.14	600.56	601.31	601.21
2	600.28	600.71	601.47	601.35
3	600.42	600.86	601.62	601.49
4	600.55	601.00	601.75	601.63
5	600.69	601.14	601.89	601.77
6	600.67	601.12	601.87	601.75
7	600.50	600.94	601.70	601.57
8	600.32	600.76	601.52	601.39
9	600.14	600.58	601.34	601.22
10	599.96	600.38	601.14	601.04

Top of web elevations for fabrication only.

NOTES:

1. Anchor bolts shall be ASTM F1554 Gr. 55 all-thread (or an Engineer-approved alternate material) of the grade(s) and the diameter(s) specified. The corresponding specified grade of AASHTO M314 Gr. 55 anchor bolts may be used in lieu of ASTM F1554.
2. Anchor bolts at bearings may be either cast in place or installed in holes drilled after the supported member is in place.
3. Drilled and set anchor bolts shall be installed according to article 521.06 of the IDOT Standard Specifications.
4. Shim plates and elastomeric Neoprene leveling pads for all girders' bearing assemblies are fabricated with the cost of structural steel.
4. All carrying components designated "CVN" shall conform to the impact Testing Requirement, Zone 2.

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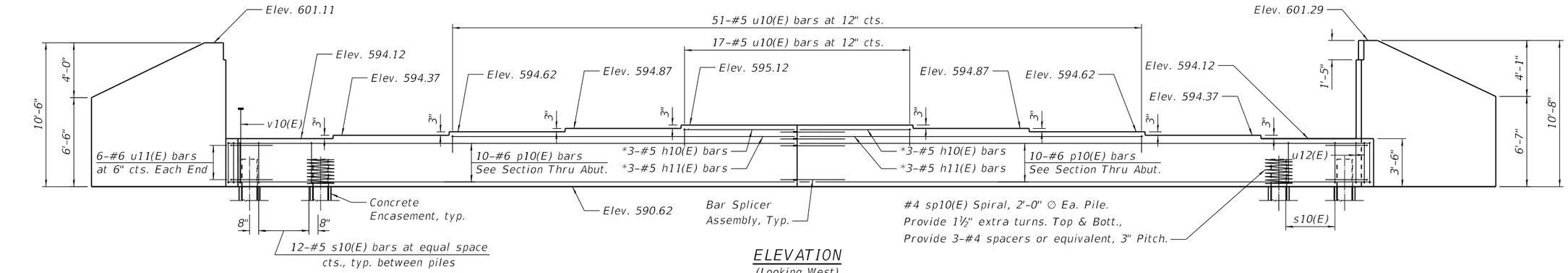
USER NAME =	DESIGNED - CSP	REVISED -	
	CHECKED - DSE	REVISED -	
PLOT SCALE =	DRAWN - RTT	REVISED -	
PLOT DATE =	DATE - 05-18-2020	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FIELD SPLICE AND CROSS FRAME DETAILS
STRUCTURE NUMBER 016-6949

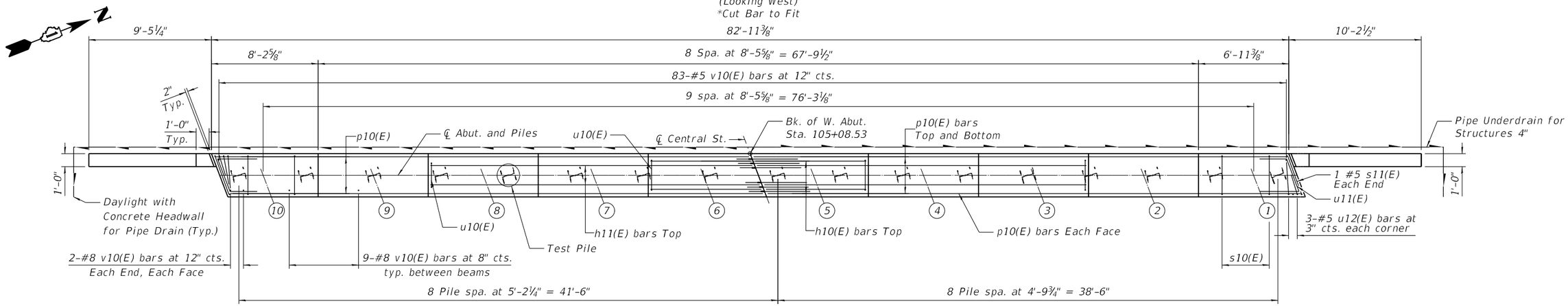
NONE SHEET S-25 OF S-56 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1301	16-00278-00-BR	COOK	136	88
		CONTRACT NO. 61F92		
	ILLINOIS FED. AID PROJECT			

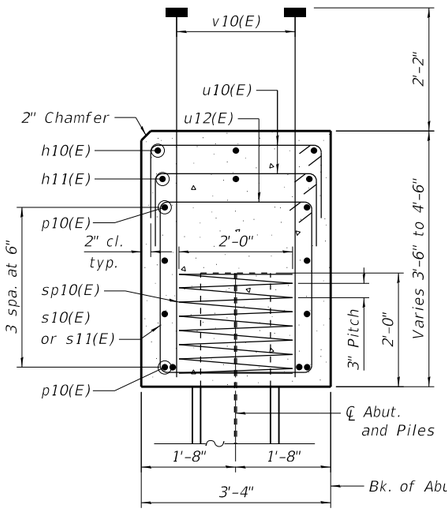


ELEVATION

(Looking West)
*Cut Bar to Fit

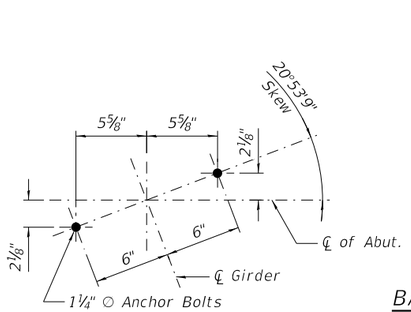


PLAN



SECTION THRU ABUTMENT

Dimensions at right angles to abutment.

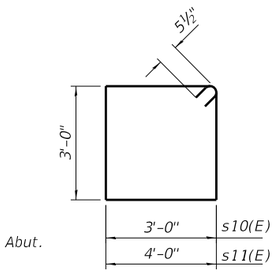


ANCHOR BOLT LAYOUT

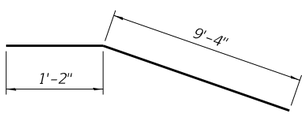
(N.T.S.)

PILE DATA

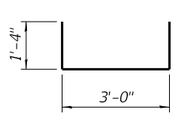
Type: HP 14X89
Nominal Required Bearing: 460 kips
Factored Resistance Available: 253 kips
Est. Length: 81 feet
No. Production Piles: 16
No. Test Piles: 1



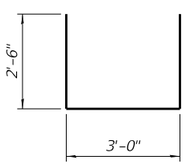
BAR s10(E) & s11(E)



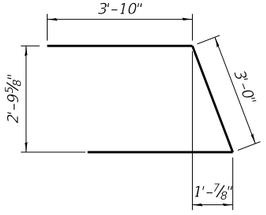
BAR h14(E)



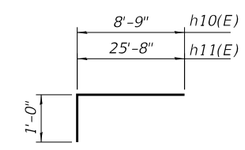
BAR u10(E)



BAR u12(E)



BAR u11(E)



BAR h10(E) & h11(E)

WEST ABUTMENT BILL OF MATERIAL

Structure Excavation	Cu. Yd.	620
Concrete Structures	Sq. Yd.	42
Reinforcement Bars, Epoxy Coated	Pound	10,130
Furnishing Steel Piles HP14x89	Foot	1,296
Driving Piles	Foot	1,296
Test Pile Steel HP14X89	Each	1
Pile Shoes	Each	17
Granular Backfill for Structures	Cu. Yd.	69
Concrete Headwalls for Pipe Drains	Each	2
Pipe Underdrains for Structures 4"	Foot	83

For details of piles see sheet S-30.
Work this sheet with S-27.

NOTE:

Headed bars shall conform to ASTM A970 with threaded attachment; Class HA; and reinforcement bars conforming to ASTM A706. Cost included with Reinforcement Bars, Epoxy Coated.

WEST ABUTMENT BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h10(E)	6	#5	9'–9"	
h11(E)	6	#5	26'–8"	
h12(E)	56	#6	15'–0"	
h13(E)	14	#6	23'–6"	
h14(E)	4	#6	10'–6"	
p10(E)	20	#6	41'–1"	
s10(E)	192	#5	12'–11"	
s11(E)	2	#5	14'–11"	
sp10(E)	17	#4	2'–0"	
u10(E)	68	#5	5'–8"	
u11(E)	12	#6	10'–8"	
u12(E)	6	#5	8'–0"	
v10(E)	170	#8	5'–5"	
v11(E)	13	#4	16'–3"	
v12(E)	4	#4	10'–2"	
v13(E)	4	#4	10'–4"	
v14(E)	13	#4	16'–5"	

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PLOT DATE =	CHECKED - 05-18-2020	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WEST ABUTMENT PLAN AND ELEVATION
STRUCTURE NUMBER 016–6949

NONE SHEET S-26 OF S-56 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1301	16-00278-00-BR	COOK	136	89
		CONTRACT NO. 61F92		
		ILLINOIS	FED. AID PROJECT	

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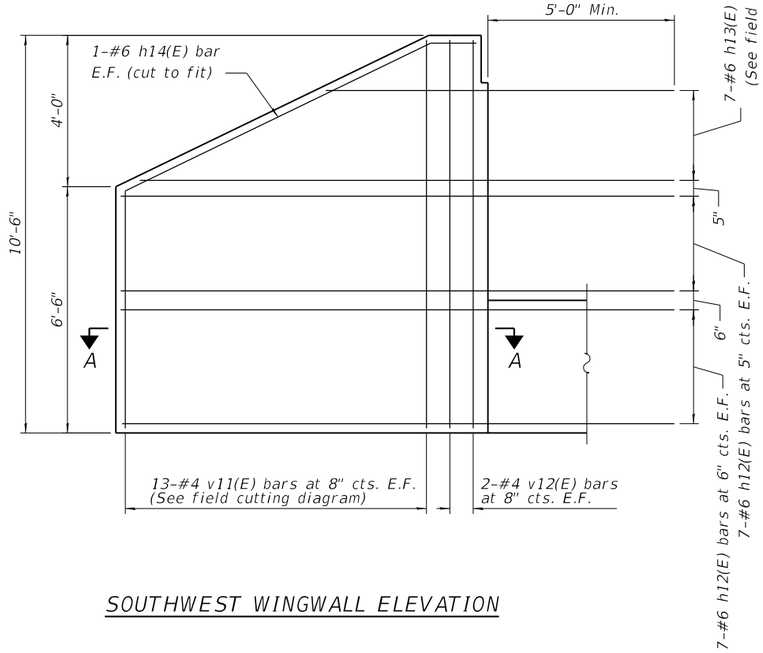
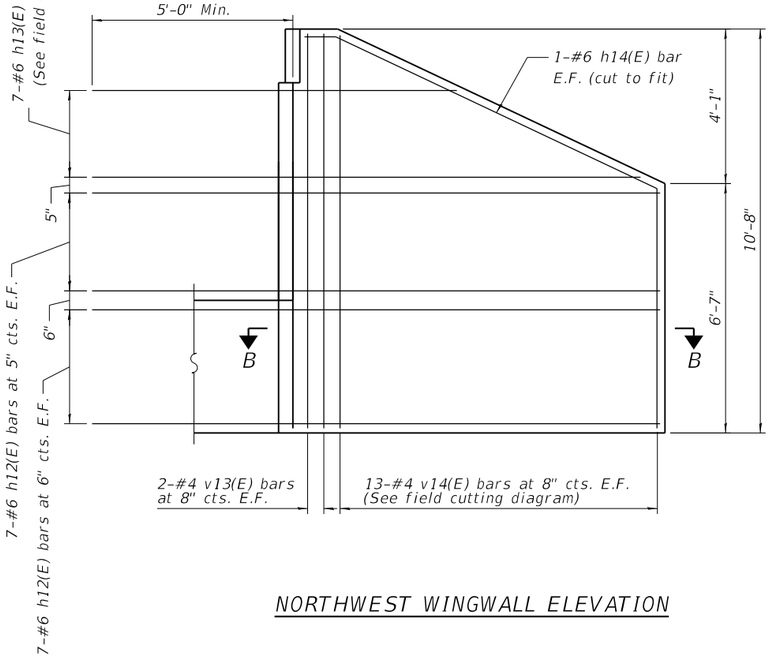
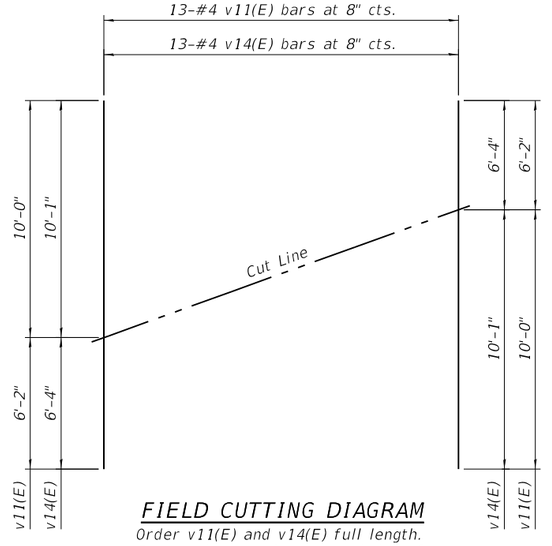


SOUTHWEST WINGWALL ELEVATION

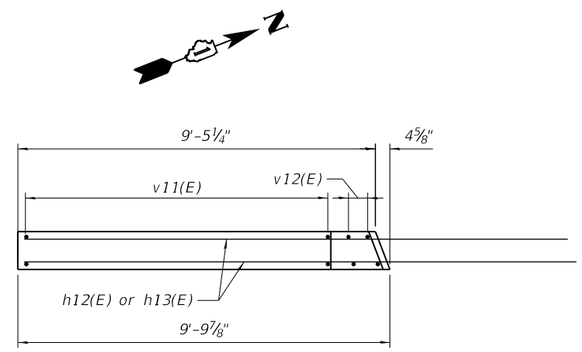


NORTHWEST WINGWALL ELEVATION

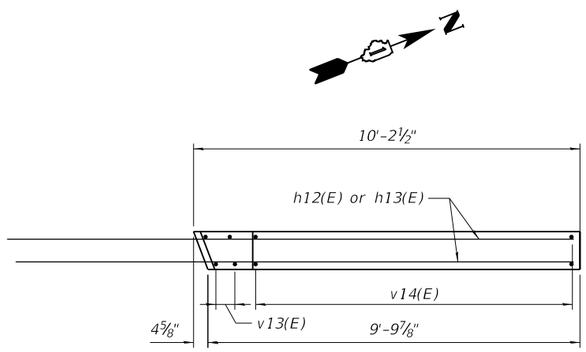


FIELD CUTTING DIAGRAM

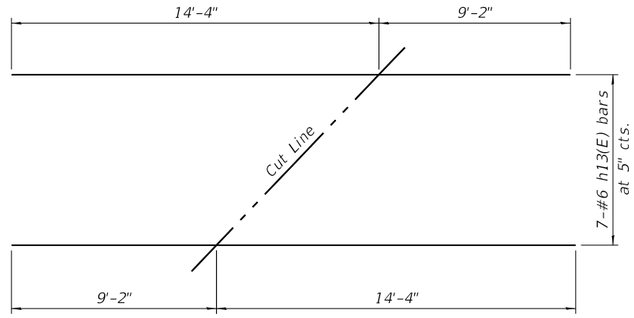
Order v11(E) and v14(E) full length.
Cut as shown and use remainder of bars in opposite face.



SECTION A-A



SECTION B-B



FIELD CUTTING DIAGRAM

Order h13(E) full length. Cut as shown and use remainder of bars in opposite face.

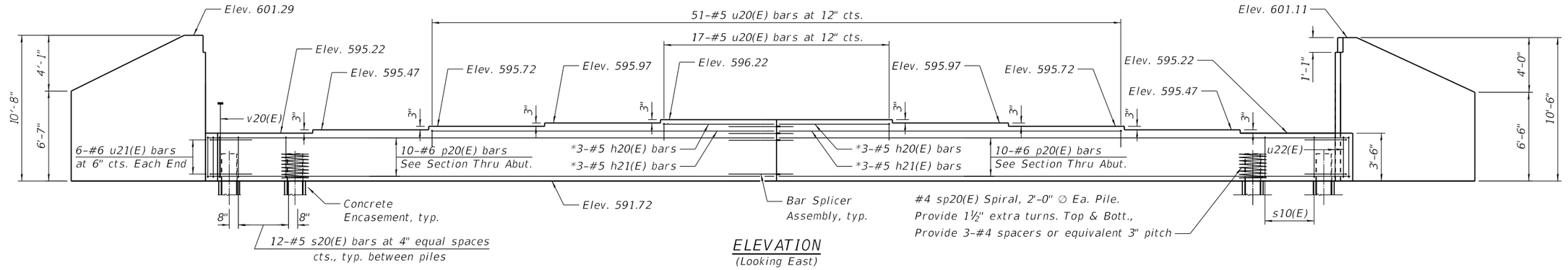
USER NAME =	DESIGNED - CSP	REVISED -	
	CHECKED - DSE	REVISED -	
PLOT SCALE =	DRAWN - RTT	REVISED -	
PLOT DATE =	CHECKED - 05-18-2020	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WEST ABUTMENT WINGWALL DETAILS
STRUCTURE NUMBER 016-6949

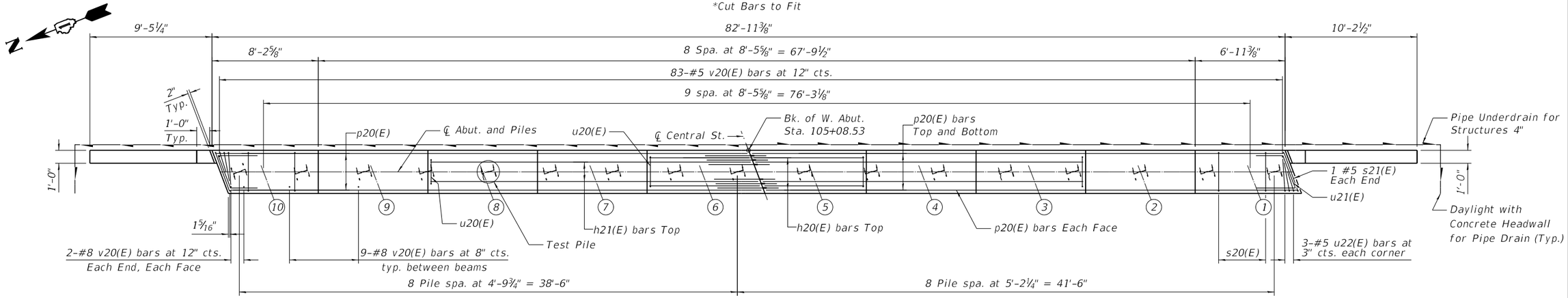
NONE SHEET S-27 OF S-56 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1301	16-00278-00-BR	COOK	136	90
		CONTRACT NO. 61F92		
	ILLINOIS FED. AID PROJECT			

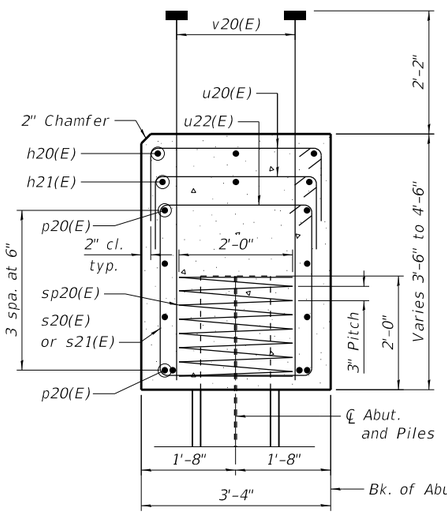


ELEVATION

(Looking East)
*Cut Bars to Fit

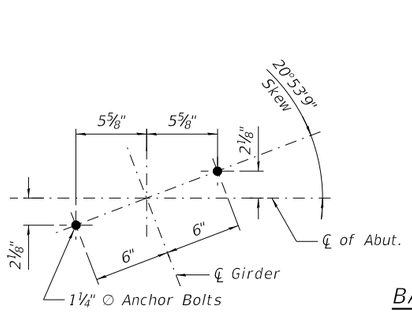


PLAN



SECTION THRU ABUTMENT

Dimensions at right angles to abutment.

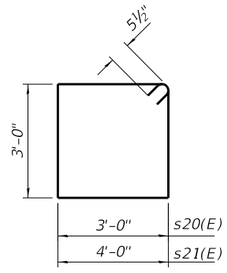


ANCHOR BOLT LAYOUT

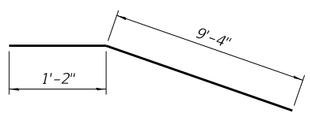
(N.T.S.)

PILE DATA

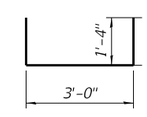
Type: HP 14X89
Nominal Required Bearing: 460 kips
Factored Resistance Available: 253 kips
Est. Length: 83 feet
No. Production Piles: 16
No. Test Piles: 1



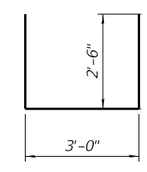
BAR s20(E) & s21(E)



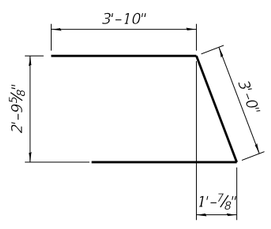
BAR h24(E)



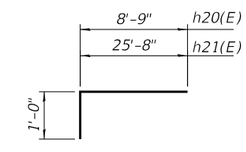
BAR u20(E)



BAR u22(E)



BAR u21(E)



BAR h10(E) & h11(E)

EAST ABUTMENT
BILL OF MATERIAL

Structure Excavation	Cu. Yd.	570
Concrete Structures	Sq. Yd.	42
Reinforcement Bars, Epoxy Coated	Pound	10,130
Furnishing Steel Piles HP14x89	Foot	1,328
Driving Piles	Foot	1,328
Test Pile Steel HP14X89	Each	1
Pile Shoes	Each	17
Granular Backfill for Structures	Cu. Yd.	69
Concrete Headwalls for Pipe Drains	Each	2
Pipe Underdrains for Structures 4"	Foot	83

For details of piles see sheet S–30.
Work this sheet with S–29.

NOTE:

Headed bars shall conform to ASTM A970 with threaded attachment; Class HA; and reinforcement bars conforming to ASTM A706. Cost included with Reinforcement Bars, Epoxy Coated.

EAST ABUTMENT
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h20(E)	6	#5	9'–9"	
h21(E)	6	#5	26'–8"	
h22(E)	56	#6	15'–0"	
h23(E)	14	#6	23'–6"	
h24(E)	4	#6	10'–6"	
p20(E)	20	#6	41'–1"	
s20(E)	192	#5	12'–11"	
s21(E)	2	#5	14'–11"	
sp20(E)	17	#4	2'–0"	
u20(E)	68	#5	5'–8"	
u21(E)	12	#6	10'–8"	
u22(E)	6	#5	8'–0"	
v20(E)	170	#8	5'–5"	
v21(E)	13	#4	16'–5"	
v22(E)	4	#4	10'–2"	
v23(E)	4	#4	10'–4"	
v24(E)	13	#4	16'–5"	

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EAST ABUTMENT PLAN AND ELEVATION
STRUCTURE NUMBER 016–6949

NONE SHEET S-28 OF S-56 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1301	16-00278-00-BR	COOK	136	91
		CONTRACT NO. 61F92		
	ILLINOIS FED. AID PROJECT			

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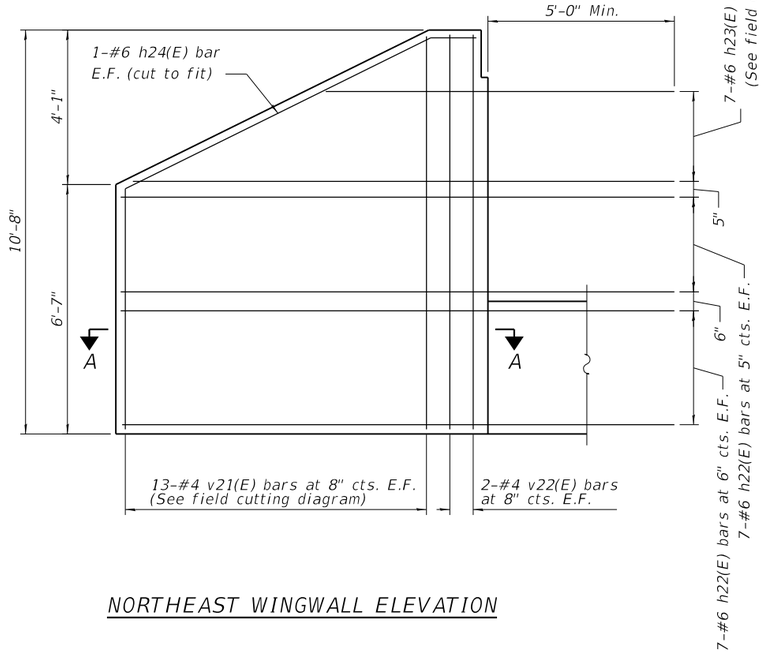
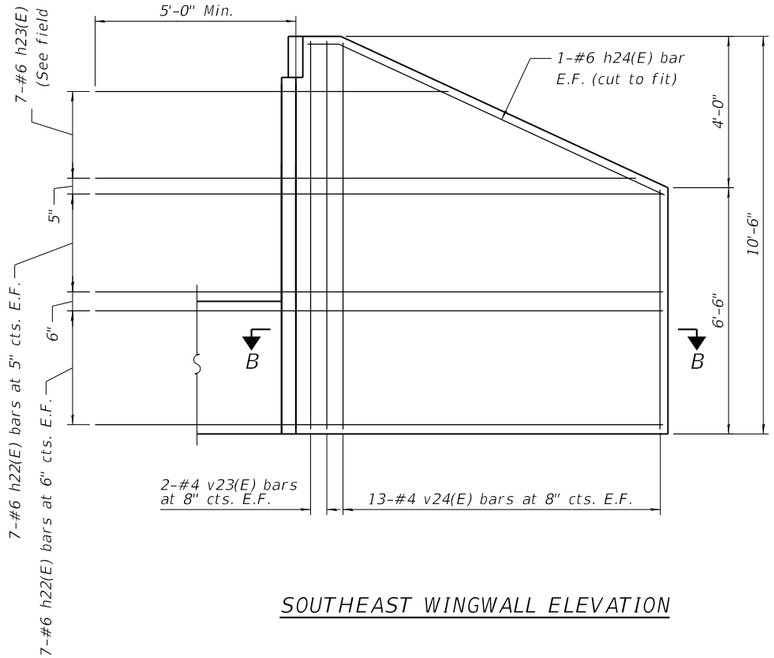
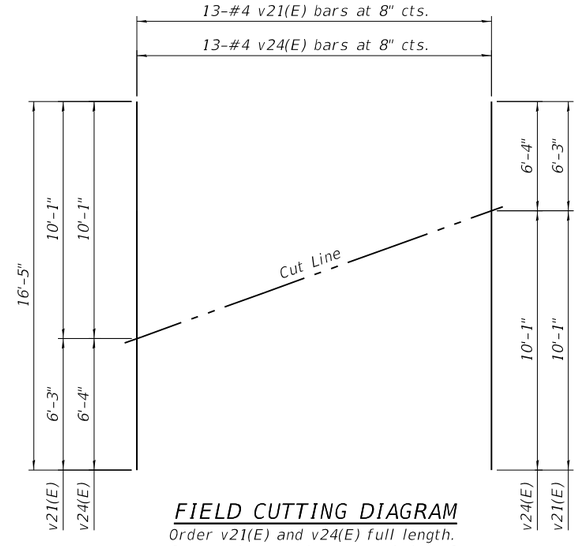


NORTHEAST WINGWALL ELEVATION

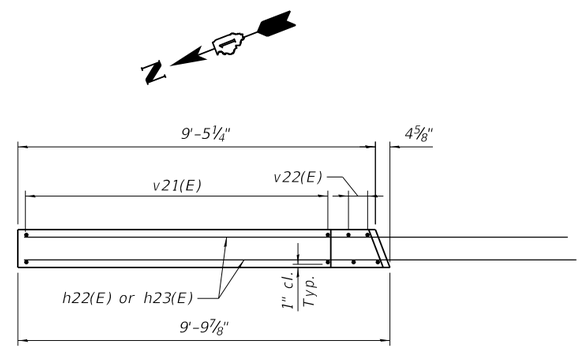


SOUTHEAST WINGWALL ELEVATION

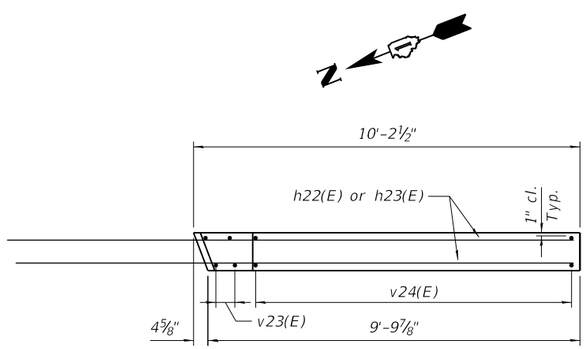


FIELD CUTTING DIAGRAM

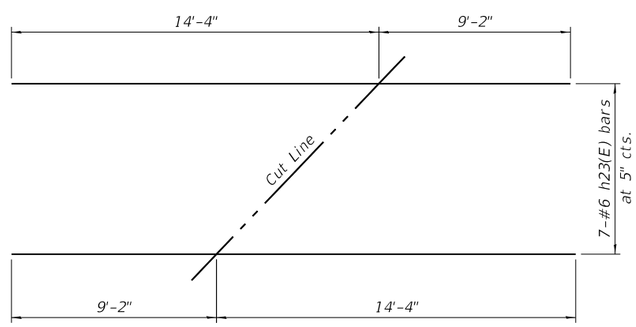
Order v21(E) and v24(E) full length.
Cut as shown and use remainder of bars in opposite face.



SECTION A-A



SECTION B-B



FIELD CUTTING DIAGRAM

Order h23(E) full length. Cut as shown and use remainder of bars in opposite face.

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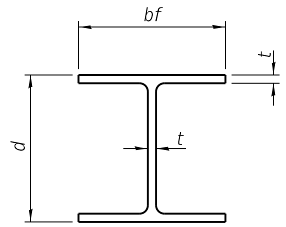
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EAST ABUTMENT WINGWALL DETAILS
STRUCTURE NUMBER 016-6949

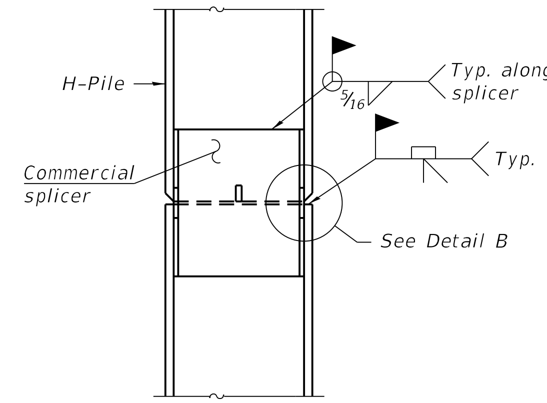
NONE SHEET S-29 OF S-56 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1301	16-00278-00-BR	COOK	136	92
		CONTRACT NO. 61F92		
	ILLINOIS FED. AID PROJECT			

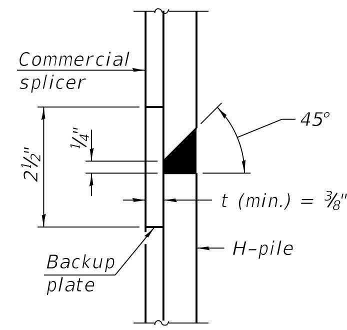


STEEL PILE TABLE

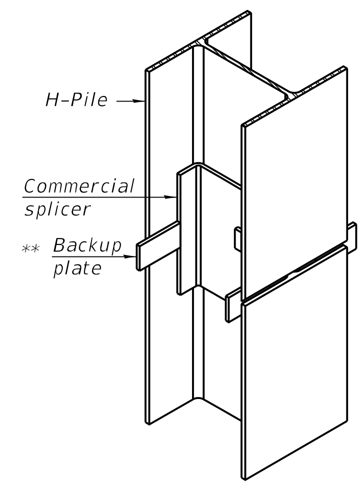
Designation	Depth d	Flange width bf	Web and Flange thickness t	Encasement diameter A
HP 14x117	14¼"	14⅞"	13/16"	30"
x102	14"	14¾"	11/16"	30"
x89	13⅞"	14¾"	⅝"	30"
x73	13⅝"	14⅝"	½"	30"
HP 12x84	12¼"	12¼"	11/16"	24"
x74	12⅛"	12¼"	⅝"	24"
x63	12"	12⅛"	½"	24"
x53	11¾"	12"	7/16"	24"
HP 10x57	10"	10¼"	9/16"	24"
x42	9¾"	10⅛"	7/16"	24"
HP 8x36	8"	8⅛"	7/16"	18"



ELEVATION

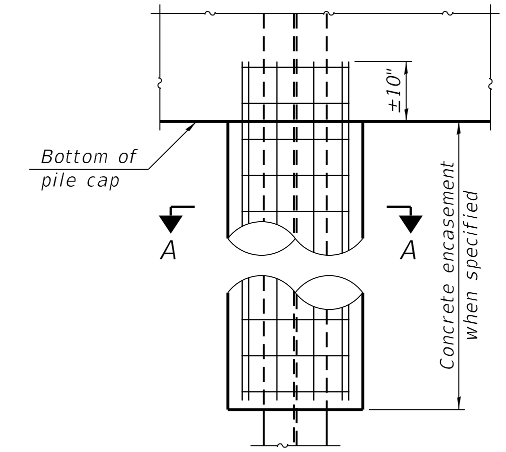


DETAIL "B"

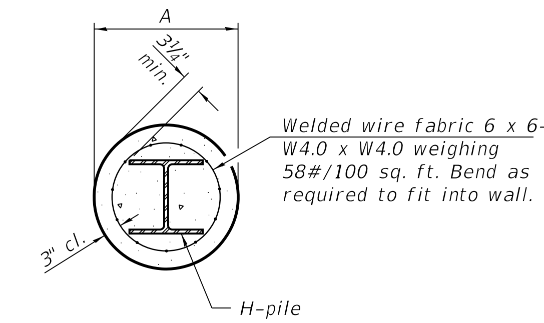


ISOMETRIC VIEW

WELDED COMMERCIAL SPLICE



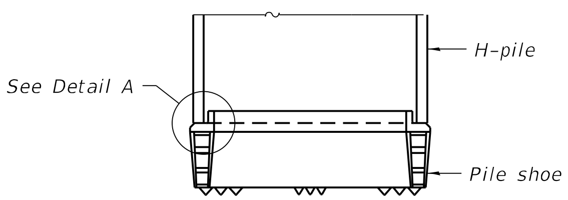
ELEVATION



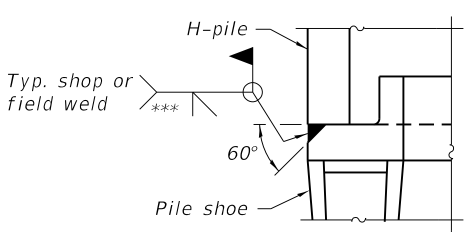
SECTION A-A

INDIVIDUAL PILE CONCRETE ENCASEMENT

(Forms for encasement may be omitted when soil conditions permit).

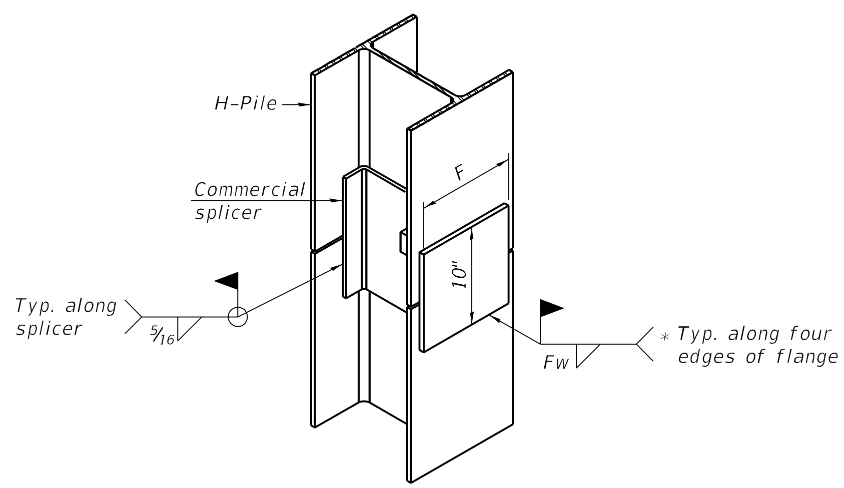


ELEVATION



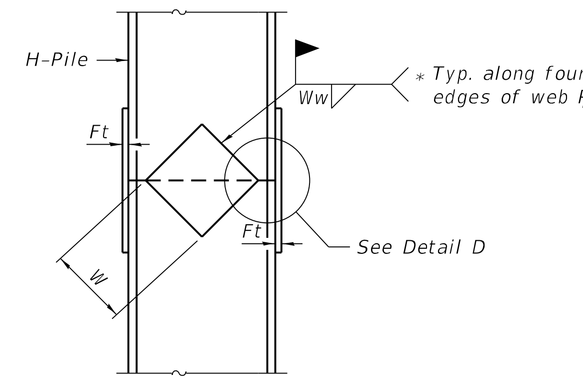
DETAIL A

SHOE ATTACHMENT

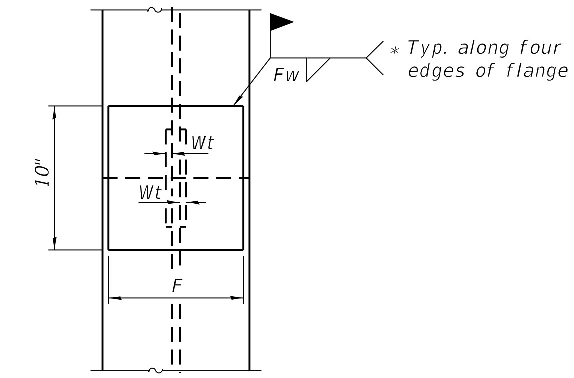


ISOMETRIC VIEW

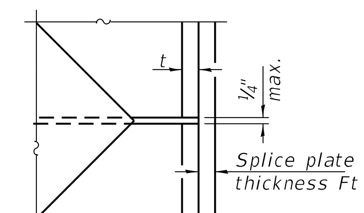
WELDED COMMERCIAL SPLICE ALTERNATE



ELEVATION



END VIEW



DETAIL D

Designation	F	Ft	Fw	W	Wt	Ww
HP 14x117	12½"	1"	⅞"	7¾"	⅝"	½"
x102	12½"	⅞"	¾"	7¾"	⅝"	½"
x89	12½"	¾"	11/16"	7¾"	⅝"	½"
x73	12½"	⅝"	9/16"	7¾"	⅝"	½"
HP 12x84	10"	⅞"	11/16"	6½"	⅝"	½"
x74	10"	⅞"	11/16"	6½"	⅝"	½"
x63	10"	⅝"	½"	6½"	½"	⅜"
x53	10"	⅝"	½"	6½"	½"	⅜"
HP 10x57	8"	¾"	9/16"	5¼"	½"	⅜"
x42	8"	⅝"	9/16"	5¼"	½"	⅜"
HP 8x36	7"	⅝"	7/16"	4¼"	½"	⅜"

WELDED PLATE FIELD SPLICE

Note:
The steel H-piles shall be according to AASHTO M270 Grade 50.

* Interrupt welds ¼" from end of web and/or each flange.

** Remove portions of backup plates that extend outside the flanges.

*** Weld size per pile shoe manufacturer (5/16" min.).

F-HP 8-11-2017

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Stanley Consultants INC.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HP PILE DETAILS
STRUCTURE NUMBER 016–6949

NONE SHEET S-30 OF S-56 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1301	16-00278-00-BR	COOK	136	93

CONTRACT NO. 61F92

ILLINOIS FED. AID PROJECT

MODEL: Default
FILE NAME: Foundation Details
5/13/2020 4:46:03 PM

PILE DRIVING RECORD

Type & Size of Pile used: ____________________ Date Piles Driven: ____________________ Month Year

Pile Driving Equipment Used: ____________ Energy Rating: ____________

Hammer Used: Type____________ Stroke:____________ Weight:____________

Formula Used to Calculate Capacity: ____________________

Pile Driving Contractor: ____________________ CM: ____________________

Pile Location	Pile No.	Ground Surface Elev.	Cut-Off Elev.	Penetrated Length, Ft.	Driving Data for the Final 5 Ft.-Blows							Capacity Tons	Remarks
					5' to 4'	4' to 3'	3' to 2'	2' to 1'	1' to 0'	12" to 6"	6" to 0"		
W. Abutment	A												
													Test
													Test

Pile Location	Pile No.	Ground Surface Elev.	Cut-Off Elev.	Penetrated Length, Ft.	Driving Data for the Final 5 Ft.-Blows							Capacity Tons	Remarks
					5' to 4'	4' to 3'	3' to 2'	2' to 1'	1' to 0'	12" to 6"	6" to 0"		
E. Abutment	B												
													Test

NOTES:

1. For piles driven to refusal, blow count for the last foot shall be recorded in 6 inch increments.
2. Pile damage, obstruction, pile rejection, test piles etc. shall be recorded in remarks column.
3. All elevations are to be shown in the table using english units.
4. For pile locations see Sheets SA-07 thru SA-11.

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		CHECKED - DSE	REVISED -
	PLOT SCALE =	DRAWN - RTT	REVISED -
	PLOT DATE =	CHECKED - 05-18-2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PILE DRIVING DETAILS
STRUCTURE NUMBER 016-6949

NONE SHEET S-31 OF S-56 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1301	16-00278-00-BR	COOK	136	94
		CONTRACT NO. 61F92		
	ILLINOIS	FED. AID PROJECT		

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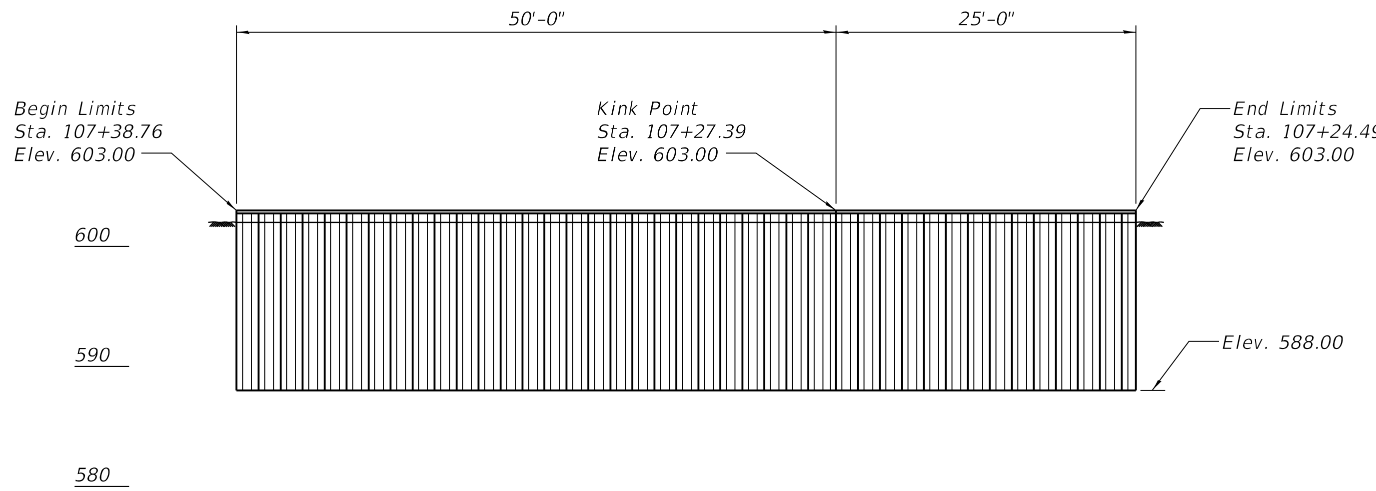
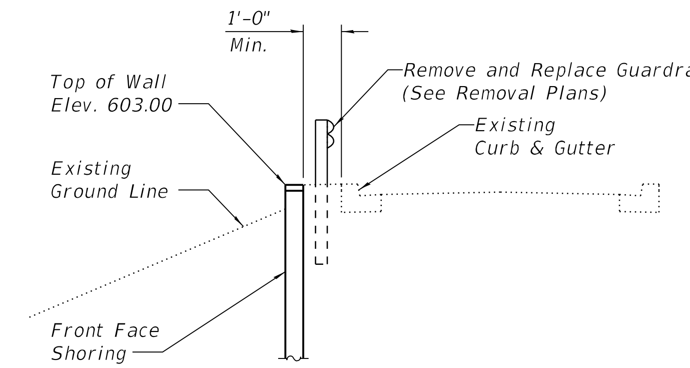
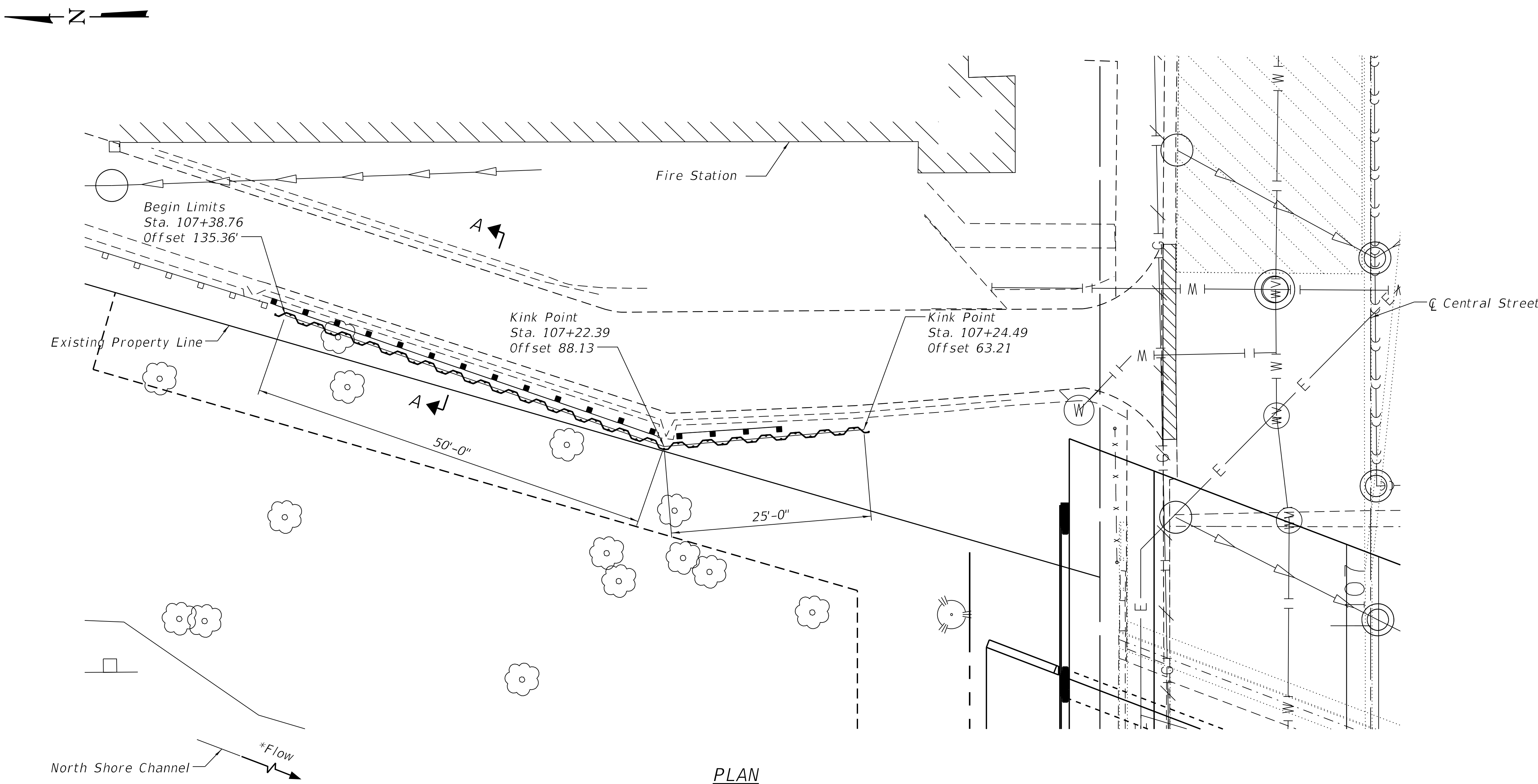


ELEVATION



SECTION A-A



PLAN

SOIL STABILIZATION
BILL OF MATERIAL

Item	Unit	Quantity
Permanent Sheet Piling	Sq. Ft.	1,125

LEGEND

- Boring Location
- Existing Catch Basin
- Existing Combine Sewer
- Existing Manhole
- Existing Light Pole
- Existing Light Pole to be Removed
- Existing Storm Sewer
- Existing Water Line
- Existing Water Manhole
- Existing Water Valve
- Proposed Guardrail

MODEL: Default
FILE NAME: Slope Stabilization Detail
5/13/2020 4:46:19 PM

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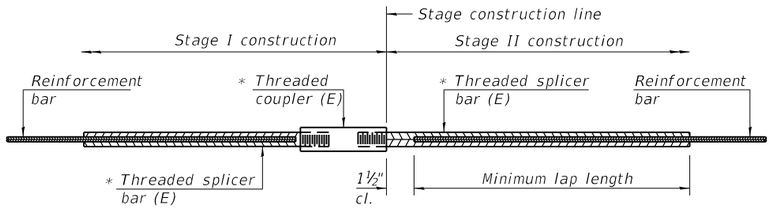
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL STABILIZATION DETAILS
STRUCTURE NUMBER 016-6949

NONE — SHEET S-32 OF S-56 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1301	16-00278-00-BR	COOK	136	95
		CONTRACT NO. 61F92		
		ILLINOIS	FED. AID PROJECT	



STANDARD BAR SPLICER ASSEMBLY

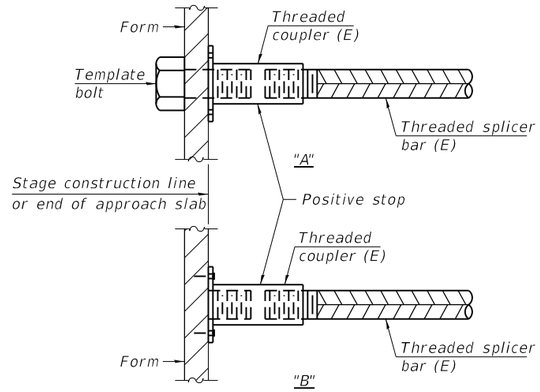
Threaded splicer bar length = min. lap length + 1½" + thread length

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

Location	Bar size	No. assemblies required	Minimum lap length
Deck (Top and Bot Bar)	#5	635	3'-6"
Approach Slab (Top Bar)	#5	280	3'-6"
Approach Slab (Bot Bar)	#8	114	4'-9"
Apporach Slab Footing (Top and Bot Bar)	#5	80	3'-6"
Diaphragm	#6	30	3'-7"
Abutment (Main Bars)	#8	20	4'-9"
Abutment (h(E)) Bars)	#5	8	3'-6"

BILL OF MATERIAL

Item	Unit	Total
Bar Splicers	Each	1,167



INSTALLATION AND SETTING METHODS

"A" : Set bar splicer assembly by means of a template bolt.
"B" : Set bar splicer assembly by nailing to wood forms or cementing to steel forms.
(E) : Indicates epoxy coating.

NOTES

Splicer bars shall be deformed with threaded ends and have a minimum 60 ksi yield strength.

All reinforcement shall be lapped and tied to the splicer bars.

Bar splicer assemblies shall be epoxy coated according to the requirements for reinforcement bars. See Section 508 of the Standard Specifications.

See approved list of bar splicer assemblies and mechanical splicers for alternatives.

BSD-1

2-17-2017

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BAR SPLICER DETAILS
STRUCTURE NUMBER 016-6949

NONE SHEET S-33 OF S-56 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1301	16-00278-00-BR	COOK	136	96
		CONTRACT NO. 61F92		
		ILLINOIS	FED. AID PROJECT	

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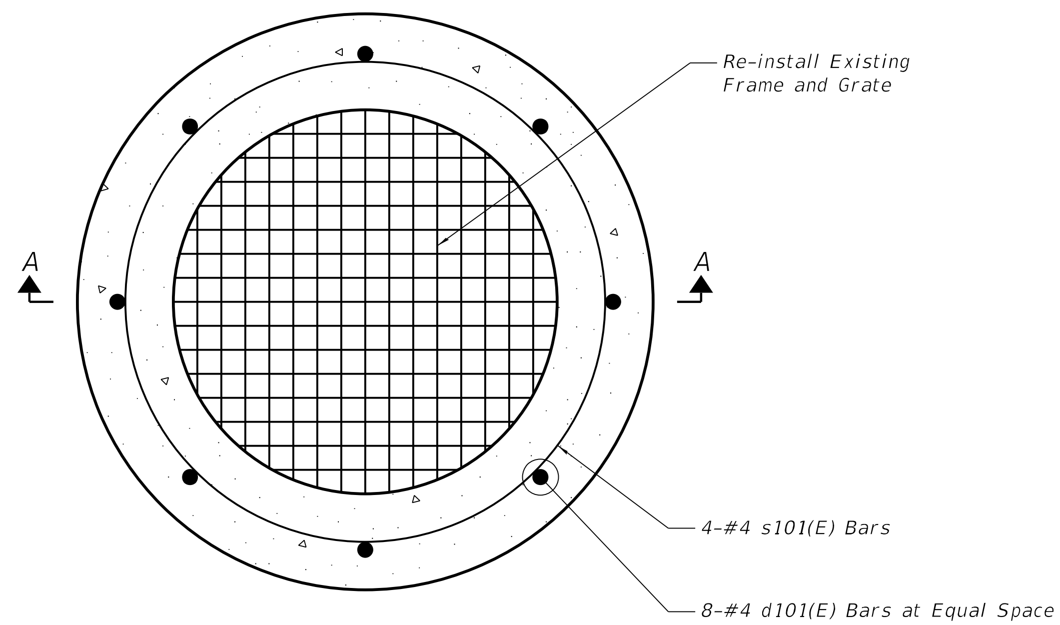
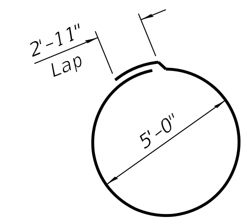


PLAN



BAR s101(E)

MWRD SHAFT RAISE BILL OF MATERIAL

	Bar	No.	Size	Length	Shape
*	d101(E)	8	#4	2'-8"	——
*	s101(E)	4	#4	18'-8"	O
*	Concrete Structures		Cu. Yd.	1.2	
*	Reinforcement Bars, Epoxy Coated		Pound	65	
	Drainage Structure Adjustment (Special)		Each	1	

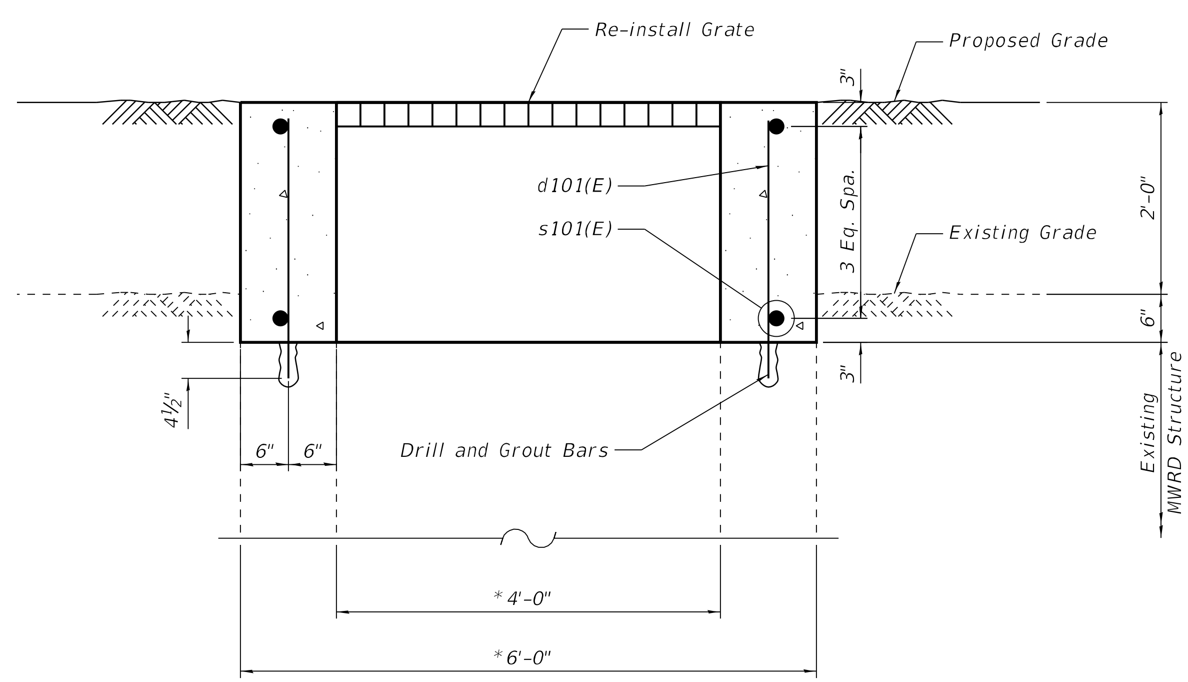
* Shown for information only. Cost for these items shall not be paid separately, but shall be included in pay item Drainage Structure Adjustment (Special).

NOTE:

1. Bar d101(E) shall be drilled and grouted with Hilti HIT-HY 200 Adhesive or approved equal. Cost for drilling and grouting shall not be paid separately, but shall be included with DRAINAGE STRUCTURE ADJUSTMENT (SPECIAL).
2. WATERTIGHT CONNECTORS CONFORMING TO ASTM STANDARDS C-923 SHALL BE USED WHERE PROPOSED PIPES ARE CONNECTING TO EXISTING SANITARY AND COMBINED MANHOLES.

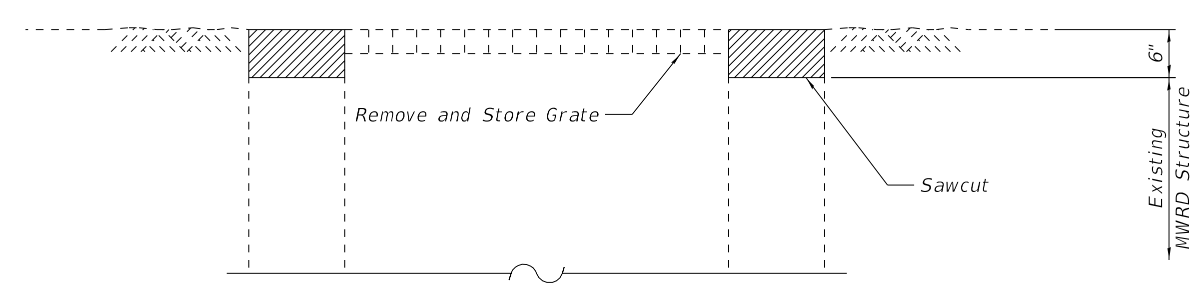
LEGEND

Removal



SECTION A-A

*Match Existing



REMOVAL SECTION

Stanley Consultants INC.	USER NAME =	DESIGNED - CSP	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
		CHECKED - DSE	REVISED -	
	PLOT SCALE =	DRAWN - RTT	REVISED -	
	PLOT DATE =	CHECKED - 05-18-2020	REVISED -	

MWRD SHAFT RAISE DETAIL
STRUCTURE NUMBER 016–6949
NONE SHEET S-34 OF S-56 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1301	16-00278-00-BR	COOK	136	97
		CONTRACT NO. 61F92		
		ILLINOIS	FED. AID PROJECT	

MODEL: Default
FILE NAME: MWRD Shaft Raise Detail
5/13/2020 4:46:35 PM

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Bolingbrook, IL 60440
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SOIL BORING LOG

Page 1 of 3

Date 11/17/16

ROUTE 9-1301 DESCRIPTION Central Street Bridge LOGGED BY Eric Slusser

SECTION 16-00278-00-BR LOCATION Central Street, Evanston, IL

COUNTY Cook DRILLING METHOD Hollow Stem Auger/Mud Rotary HAMMER TYPE Automatic

STRUCT. NO. 016-6951
Station

BORING NO. B-1 WB Lane
Station 104+98.67
Offset 19.59ft LT
Ground Surface Elev. 601.30 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 589.3 ft ▼
Upon Completion ft
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Asphalt Surface and binder courses	600.97				
Concrete	599.97				
Medium Dense to Loose pale brown (10YR 7/3) fine to medium SAND FILL, trace gravel and trace concrete pieces, Dry to Moist			7 11 8		3.2
		-5	7 7 6		4.2
	593.30		7 5 4		12.2
Stiff Black (10YR 2/1) to Pale Brown (10YR 6/3) CLAY, trace gravel and trace sand, Moist	590.80	-10	6 3 3	1.0 P	17.5
Very Soft Pale Brown (10YR 6/3) and light gray (10YR 7/1) SANDY CLAY, trace gravel, Moist to Wet ▼	588.30		2 2 2	0.3 P	18.6
Stiff to Medium Stiff Gray (10YR 5/1) CLAY, trace gravel, trace sand, Moist		-15	3 2 2	1.0 P	17.3
			0 1 2	0.8 P	23.5
		-20	1 1 1	0.8	23.7

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Stiff to Medium Stiff Gray (10YR 5/1) CLAY, trace gravel, trace sand, Moist (continued)				P	
			2 2 2	1.0 P	20.1
		-25	1 1 2	1.0 P	31.6
			1 1 1	0.8 P	21.1
	571.30	-30	2 3 3	1.3 P	21.1
Very Stiff gray (10YR 5/1) CLAY, trace gravel, Moist	569.30			2.5 P	13.2
Medium Stiff to Very Soft/Sft gray (10YR 5/1) CLAY, trace gravel, trace sand, Moist		-35	2 2 2	0.5 P	26.4
		-40	0 1 2	0.3	25.4

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)

BBS, from 137 (Rev. 8-99)

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SOIL BORING LOG

Page 2 of 3

Date 11/17/16

ROUTE 9-1301 DESCRIPTION Central Street Bridge LOGGED BY Eric Slusser

SECTION 16-00278-00-BR LOCATION Central Street, Evanston, IL

COUNTY Cook DRILLING METHOD Hollow Stem Auger/Mud Rotary HAMMER TYPE Automatic

STRUCT. NO. 016-6951
Station

BORING NO. B-1 WB Lane
Station 104+98.67
Offset 19.59ft LT
Ground Surface Elev. 601.30 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 589.3 ft ▼
Upon Completion ft
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Medium Stiff to Very Soft/Sft gray (10YR 5/1) CLAY, trace gravel, trace sand, Moist (continued)				P	
		-45	0 1 2	0.5 P	24.1
		-50	1 2 2	0.5 P	25.7
		-55	3 3 4	0.5 P	21.2
		-60	3 3 4	0.8	20.3

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Medium Stiff to Very Soft/Sft gray (10YR 5/1) CLAY, trace gravel, trace sand, Moist (continued)	539.30			P	
Stiff tio Very Stiff gray (10YR 5/1) CLAY, trace gravel, little sand, Moist, Sample 66'-68' LL=26, PL=15, PI=11		-65	4 4 7	1.0 P	21.6
				1.7 B	16.7
		-70	4 5 7	2.0 P	17.9
		-75	7 9 9	1.3 P	20.6
		-80	5 6 7	1.5	13.9

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)

BBS, from 137 (Rev. 8-99)

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SOIL BORING LOG

Page 3 of 3

Date 11/17/16

ROUTE 9-1301 DESCRIPTION Central Street Bridge LOGGED BY Eric Slusser

SECTION 16-00278-00-BR LOCATION Central Street, Evanston, IL

COUNTY Cook DRILLING METHOD Hollow Stem Auger/Mud Rotary HAMMER TYPE Automatic

STRUCT. NO. 016-6951
Station

BORING NO. B-1 WB Lane
Station 104+98.67
Offset 19.59ft LT
Ground Surface Elev. 601.30 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 589.3 ft ▼
Upon Completion ft
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Stiff tio Very Stiff gray (10YR 5/1) CLAY, trace gravel, little sand, Moist, Sample 66'-68' LL=26, PL=15, PI=11 (continued)	519.30			P	
Hard gray (10YR 5/1) CLAY, trace gravel, trace sand, Moist	514.30	-85	10 13 15	4.5 P	20.0
Stiff gray (10YR 5/1) CLAY LOAM, trace gravel, little sand, Moist, LL=24, PL=14, PI=10	509.30	-90	4 5 10	2.4 B	10.7
Very Dense dark gray (10YR 4/1) SAND, fine to course, trace fine gravel, wet		-95	29 45 58		12.3
	501.30	-100	49 67 111		13.6

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)

BBS, from 137 (Rev. 8-99)

MODEL: Default
FILE NAME: Boring Log B-1

Stanley Consultants INC.

USER NAME =	DESIGNED - CSP	REVISED -	
	CHECKED - DSE	REVISED -	
PLOT SCALE =	DRAWN - RTT	REVISED -	
PLOT DATE =	CHECKED - 05-18-2020	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BORING LOG B-1
STRUCTURE NUMBER 016-6949

NONE SHEET S-35 OF S-56 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1301	16-00278-00-BR	COOK	136	98
		CONTRACT NO. 61F92		

ILLINOIS FED. AID PROJECT

5/13/2020 4:46:44 PM

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SOIL BORING LOG

Page 1 of 3

Date 11/21/16

ROUTE 9-1301 DESCRIPTION Central Street Bridge LOGGED BY Eric Slusser

SECTION 16-00278-00-BR LOCATION Central Street, Evanston, IL

COUNTY Cook DRILLING METHOD Hollow Stem Auger/Mud Rotary HAMMER TYPE Automatic

STRUCT. NO. 016-6951
Station

BORING NO. B-2 EB Lane
Station 106+83.49
Offset 18.37ft RT
Ground Surface Elev. 602.36 ft

Surface Water Elev. ___ ft
Stream Bed Elev. ___ ft

Groundwater Elev.:
First Encounter 581.4 ft ▼
Upon Completion ___ ft
After ___ Hrs. ___ ft

Description	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
ASHALT 602.11				
CONCRETE 601.11				
Medium Dense pale brown (10YR 6/3) SAND FILL, very fine to medium, trace aggregate, Moist		15 13 16		4.3
	−5	8 8 8		3.9
		10 10 12		3.7
594.36 Very Stiff black (10YR 2/1) CLAY FILL, trace gravel, sand, brick fragments, slight petroleum odor 11−12.5 feet, Moist	−10	9 7 9	3.5 P	15.9
		10 6 6	3.0 P	15.6
589.36 Soft to Medium Stiff gray (10YR 5/1) CLAY, trace sand, moist to wet	−15	2 2 3	0.3 P	19.8
		3 2 3	0.5 P	17.4
584.36 Stiff gray (10YR 5/1) CLAY, trace sand, Moist	−20	2 3 6	1.5	19.6

Description	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
581.86			P	
Loose gray (10YR 5/1) SILT, Wet ▼		3 3 2		20.0
579.36 Medium Stiff to Soft gray (10YR 5/1) CLAY, trace sand, Moist	−25	1 1 2	0.5 P	24.3
		1 1 1	0.3 P	43.5
	−30	1 1 1	0.3 P	40.9
570.36 Very Stiff gray (10YR 5/1) CLAY, trace gravel, little sand, Moist, Sample 38.5'−40.0' LL=27, PL=15, PI=112	−35	2 2 4	2.4 B	21.8
			3.0 P	14.4
	−40	2 3 2	2.4	18.9

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B−Bulge, S−Shear, P−Penetrometer)

BBS, from 137 (Rev. 8−99)

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SOIL BORING LOG

Page 2 of 3

Date 11/21/16

ROUTE 9-1301 DESCRIPTION Central Street Bridge LOGGED BY Eric Slusser

SECTION 16-00278-00-BR LOCATION Central Street, Evanston, IL

COUNTY Cook DRILLING METHOD Hollow Stem Auger/Mud Rotary HAMMER TYPE Automatic

STRUCT. NO. 016-6951
Station

BORING NO. B-2 EB Lane
Station 106+83.49
Offset 18.37ft RT
Ground Surface Elev. 602.36 ft

Surface Water Elev. ___ ft
Stream Bed Elev. ___ ft

Groundwater Elev.:
First Encounter 581.4 ft ▼
Upon Completion ___ ft
After ___ Hrs. ___ ft

Description	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Very Stiff gray (10YR 5/1) CLAY, trace gravel, little sand, Moist, Sample 38.5'−40.0' LL=27, PL=15, PI=112 (continued)			B	
560.36 Soft to Medium Stiff gray (10YR 5/1) CLAY, trace gravel, trace sand, Moist	−45	0 2 3	0.3 P	26.5
	−50	1 1 2	0.5 P	21.3
	−55	2 3 3	0.5 P	20.9
545.36 Very Stiff gray (10YR 5/1) CLAY, trace gravel, trace sand, Moist	−60	2 2 5	3.0	18.8

Description	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Very Stiff gray (10YR 5/1) CLAY, trace gravel, trace sand, Moist (continued)			P	
540.36 Stiff to Very Stiff gray (10YR 5/1) CLAY, trace gravel, little sand, Moist, Sample 63.5'−65.0' LL=29, PL=15, PI=14	−65	5 6 6	1.3 B	18.3
	−70	2 4 5	1.3 P	20.8
	−75	9 9 10	1.3 P	23.9
522.36	−80	6 8 10	2.3	11.8

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B−Bulge, S−Shear, P−Penetrometer)

BBS, from 137 (Rev. 8−99)

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SOIL BORING LOG

Page 3 of 3

Date 11/21/16

ROUTE 9-1301 DESCRIPTION Central Street Bridge LOGGED BY Eric Slusser

SECTION 16-00278-00-BR LOCATION Central Street, Evanston, IL

COUNTY Cook DRILLING METHOD Hollow Stem Auger/Mud Rotary HAMMER TYPE Automatic

STRUCT. NO. 016-6951
Station

BORING NO. B-2 EB Lane
Station 106+83.49
Offset 18.37ft RT
Ground Surface Elev. 602.36 ft

Surface Water Elev. ___ ft
Stream Bed Elev. ___ ft

Groundwater Elev.:
First Encounter 581.4 ft ▼
Upon Completion ___ ft
After ___ Hrs. ___ ft

Description	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Hard gray (10YR 5/1) CLAY, trace gravel, trace sand, Moist			P	
			4.0 P	
	−85	8 10 15	4.5 P	14.1
515.36 Medium dense gray (10YR 5/1) SANDY SILT, little gravel, trace clay, Moist	−90	8 10 11		12.1
510.36 Very Dense gray (10YR 5/1) SILTY SAND, little to some gravel, Wet	−95	18 21 34		8.9
505.36				
	−100	100		12.8

Description	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Very Dense gray (10YR 5/1) fine to course SAND, little fine gravel, trace silt, Wet. 100 blows for 5 inches at 98.5 feet. Split spoon refusal. 100 blows for 4 inches at 108.5 feet. Split spoon refusal. 100 blows for 1 inch at 115.0 feet. Split spoon refusal. (continued)	−105			
	−110	100		9.4
		100		
487.36	−115			
TOP OF BEDROCK	−120			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B−Bulge, S−Shear, P−Penetrometer)

BBS, from 137 (Rev. 8−99)

Stanley Consultants INC.	USER NAME =	DESIGNED - CSP	REVISED -
		CHECKED - DSE	REVISED -
	PLOT SCALE =	DRAWN - RTT	REVISED -
	PLOT DATE =	CHECKED - 05-18-2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BORING LOG B–2
STRUCTURE NUMBER 016–6949

NONE SHEET S-36 OF S-56 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1301	16-00278-00-BR	COOK	136	99
		CONTRACT NO. 61F92		
		ILLINOIS FED. AID PROJECT		

MODEL: Default
FILE NAME: Boring Log B-2

5/13/2020 4:46:51 PM

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SOIL BORING LOG

Date 11/18/16

ROUTE 9-1301 DESCRIPTION Central Street Bridge LOGGED BY Eric Slusser

SECTION 16-00278-00-BR LOCATION Open area Southwest of Central street, Evanston, IL

COUNTY Cook DRILLING METHOD Hollow Stem Auger/Mud Rotary HAMMER TYPE Automatic

STRUCT. NO. 016-6951
Station

BORING NO. B-3 SW of Bridge
Station 104+22.81
Offset 70.62ft RT
Ground Surface Elev. 600.48 ft

Surface Water Elev. ____ ft
Stream Bed Elev. ____ ft

Groundwater Elev.:
First Encounter 587.0 ft ▼
Upon Completion ____ ft
After ____ Hrs. ____ ft

Description	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Black Silty Clayey TOPSOIL 600.15				
Very Stiff to Hard brown (10YR 5/3), black (10YR 2/1) and gray (10YR 5/1) SILTY CLAY FILL, trace gravel, trace sand, Moist		3		
		3		16.3
		3	2.5 P	
		5		
		7		14.6
	-5	7	4.3 P	
594.98				
Medium Dense Light Pale Brown (10YR 7/3) SILT FILL, trace gravel, Dry		5		
		11		16.2
		9		
592.48				
Hard to very stiff brown (10YR 5/3) and gray (10YR 5/1) SILTY CLAY FILL, trace to little gravel, trace sand, Moist		5		
		6		12.2
	-10	11	4.0 P	
		4		
		4		10.6
		5	3.5 P	
587.48				
Loose gray (10YR 5/1) fine to large SILTY CLAYEY GRAVEL, little fine sand, Wet	▼	4		
		4		16.9
	-15	5		
584.98				
Very Stiff to Stiff gray CLAY, trace gravel, sand, Moist		1		
		1		15.7
		1	0.3 P	
		2		
		2		20.0
	-20	2	1.0	

Description	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
			P	
579.98				
Very Loose gray (10YR 5/1) very fine to medium SAND, trace fine gravel, Wet		1		
		1		18.2
		1		
577.48				
Very Soft to Medium Stiff gray (10YR 5/1) CLAY, moist to wet		1		
		1		21.2
	-25	1	0.3 P	
		1		
		0		46.6
		1	0.3 P	
		1		
		1		23.9
	-30	1	0.3 P	
		1		
		1		28.9
	-35	1	0.3 P	
		1		
		1		25.5
	-40	1	0.3	

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)

BBS, from 137 (Rev. 8-99)

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SOIL BORING LOG

Date 11/18/16

ROUTE 9-1301 DESCRIPTION Central Street Bridge LOGGED BY Eric Slusser

SECTION 16-00278-00-BR LOCATION Open area Southwest of Central street, Evanston, IL

COUNTY Cook DRILLING METHOD Hollow Stem Auger/Mud Rotary HAMMER TYPE Automatic

STRUCT. NO. 016-6951
Station

BORING NO. B-3 SW of Bridge
Station 104+22.81
Offset 70.62ft RT
Ground Surface Elev. 600.48 ft

Surface Water Elev. ____ ft
Stream Bed Elev. ____ ft

Groundwater Elev.:
First Encounter 587.0 ft ▼
Upon Completion ____ ft
After ____ Hrs. ____ ft

Description	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Very Soft to Medium Stiff gray (10YR 5/1) CLAY, moist to wet (continued)			P	
			0.3 P	26.7
		1		
		2		24.7
	-45	2	0.5 P	
		1		
		1		25.2
	-50	2	0.3 P	
		1		
		2		30.1
	-55	2	0.5 P	
543.48				
Stiff to medium stiff gray (10YR 5/1) CLAY, trace gravel, little sand, Moist, Sample 58.5'-60.0' LL=30, PL=16, PI=14, Sample 75.0'-77.0' LL=25, PL=13, PI=12		2		
		2		20.4
	-60	2	1.5	

Description	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Stiff to medium stiff gray (10YR 5/1) CLAY, trace gravel, little sand, Moist, Sample 58.5'-60.0' LL=30, PL=16, PI=14, Sample 75.0'-77.0' LL=25, PL=13, PI=12 (continued)			P	
		2		
		3		17.7
	-65	4	1.4 B	
		4		
		5		20.0
	-70	6	1.0 P	
		5		
		6		18.0
	-75	6	1.3 P	
			0.9 B	16.7
523.48				
Very Stiff gray (10YR 5/1) CLAY, trace gravel, trace sand, Moist		4		
		5		15.9
	-80	9	3.0	

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)

BBS, from 137 (Rev. 8-99)

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SOIL BORING LOG

Date 11/18/16

ROUTE 9-1301 DESCRIPTION Central Street Bridge LOGGED BY Eric Slusser

SECTION 16-00278-00-BR LOCATION Open area Southwest of Central street, Evanston, IL

COUNTY Cook DRILLING METHOD Hollow Stem Auger/Mud Rotary HAMMER TYPE Automatic

STRUCT. NO. 016-6951
Station

BORING NO. B-3 SW of Bridge
Station 104+22.81
Offset 70.62ft RT
Ground Surface Elev. 600.48 ft

Surface Water Elev. ____ ft
Stream Bed Elev. ____ ft

Groundwater Elev.:
First Encounter 587.0 ft ▼
Upon Completion ____ ft
After ____ Hrs. ____ ft

Description	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Very Stiff gray (10YR 5/1) CLAY, trace gravel, trace sand, Moist (continued)			P	
		8		
		11		14.5
	-85	20	2.8 P	
513.48				
Medium Dense gray SILTY SAND, trace gravel, Wet		5		
		16		13.3
	-90	13		
508.48				
Very dense, dark gray (10YR 4/1) fine to course SAND, trace to little gravel, Wet		30		
		29		9.4
	-95	38		
503.48				
Very Dense, gray (10YR 5/1) SAND, very fine to fine, Wet		47		
		82		17.0
500.48	-100	98		

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)

BBS, from 137 (Rev. 8-99)

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SOIL BORING LOG

Date 11/22/16

ROUTE 9-1301 DESCRIPTION Central Street Bridge LOGGED BY Eric Slusser

SECTION 16-00278-00-BR LOCATION Fire Station Northeast of Central Street Bridge, Evanston, IL

COUNTY Cook DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO. 016-6951
Station

BORING NO. B-4 W of Fire Station
Station 107+20.19
Offset 60.21ft LT
Ground Surface Elev. 602.00 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 577.0 ft
Upon Completion DRY ft
After Hrs. ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Black Silty Clayey TOPSOIL 601.50	4		
Hard black (10YR 2/1) SILTY CLAY FILL, trace gravel, asphalt, sand and brick fragments, Dry	5		13.3
	6	4.0	
	8	P	
600.00			
Medium Dense black (10YR 2/1) and brown (10YR 5/3) very fine to fine SAND FILL, trace gravel, trace wood pieces, Moist	6		
	6		10.7
	5		
	5		
	4		
-5	4		11.7
	7		
	11		
596.00			
Very Stiff to Hard yellowish brown (10YR 5/8) and light gray (10YR 7/1) CLAY, trace gravel, trace sand, Dry to Moist	6		
	5		17.2
	5	3.0	
	6	P	
			13.9
		4.4	
592.00 -10		B	
Medium Stiff to Stiff gray (10YR 5/1) SILTY CLAY, trace gravel, trace sand, Moist to 14 feet, Moist to Wet 14-16 feet, 14'-16' sample LL=26, PL=16, PI=10			17.4
		1.3	
		B	
			9.4
		2.2	
		B	
-15			25.4
		0.3	
586.00		B	
Very Stiff gray 910YR 5/1) CLAY, trace gravel, trace sand, Moist to 14 feet, Moist to Wet			21.2
		2.3	
584.00		P	
Soft gray (10YR 5/1) SILTY CLAY LOAM, trace gravel, trace sand, Moist to Wet, LL=26, PL=17, PI=9			20.1
		0.3	
582.00 -20		P	

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Stiff gray (10YR 5/1) CLAY, trace gravel, trace sand, Moist to Wet			22.5
		1.0	
		P	
			43.3
		1.5	
578.00		P	
Medium Stiff to Very Soft gray (10YR 5/1) CLAY, trace sand, Moist to Wet			24.3
-25		0.5	
		P	
	1		
	3		22.0
-30	3	0.8	
		P	
	3		
	4		20.0
-35	3	0.5	
		P	
	1		
	2		27.3
-40	2	0.3	

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)

BBS, from 137 (Rev. 8-99)

Interra, Inc.
600 Territorial Drive, Suite G
Bolingbrook, IL 60440
www.interraservices.com

SOIL BORING LOG

Date 11/22/16

ROUTE 9-1301 DESCRIPTION Central Street Bridge LOGGED BY Eric Slusser

SECTION 16-00278-00-BR LOCATION Fire Station Northeast of Central Street Bridge, Evanston, IL

COUNTY Cook DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO. 016-6951
Station

BORING NO. B-4 W of Fire Station
Station 107+20.19
Offset 60.21ft LT
Ground Surface Elev. 602.00 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 577.0 ft
Upon Completion DRY ft
After Hrs. ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Medium Stiff to Very Soft gray (10YR 5/1) CLAY, trace sand, Moist to Wet (continued)		P	
		0.5	
		P	
	2		
	3		24.6
-45	3	0.5	
		P	
	2		
	3		23.0
552.00 -50	4	0.3	
		P	
-55			
-60			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)

BBS, from 137 (Rev. 8-99)

MODEL: Default
FILE NAME: Boring Log B-4
5/13/2020 4:47:09 PM

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	CHECKED - DSE	REVISED -	
PLOT SCALE =	DRAWN - RTT	REVISED -	
PLOT DATE =	CHECKED - 05-18-2020	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BORING LOG B-4
STRUCTURE NUMBER 016-6949
NONE SHEET S-38 OF S-56 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1301	16-00278-00-BR	COOK	136	101
		CONTRACT NO. 61F92		
		ILLINOIS	FED. AID PROJECT	

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8555	128-B-CS	COOK	22	1

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
PLANS FOR PROPOSED FEDERAL AID HIGHWAY
CENTRAL STREET BRIDGE

T-3

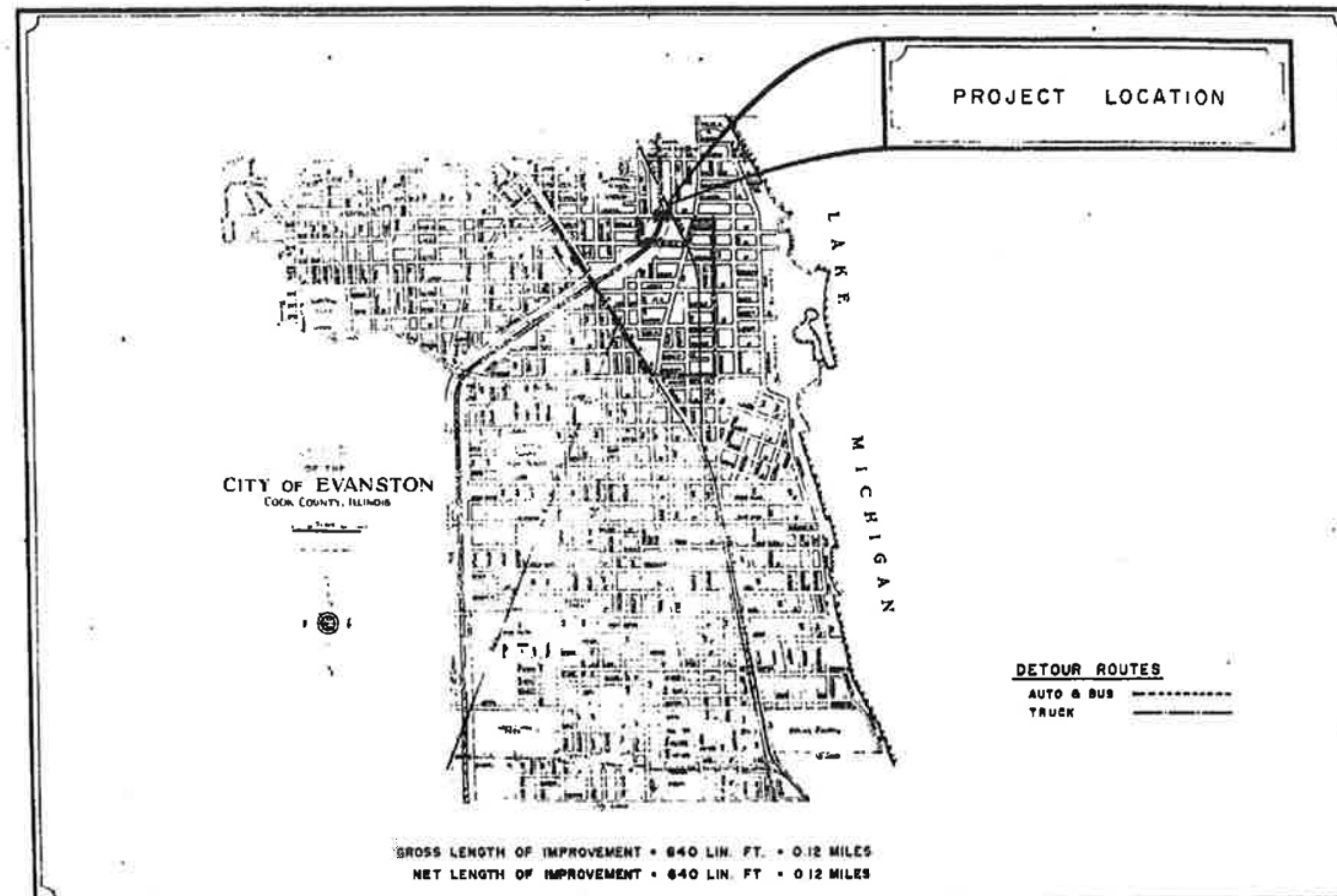
FAU Route 8555
FAUS Project M-5003(2)
Job No. C-91-584-74
Evanston City Section 128-B-CS

INDEX

1. COVER SHEET
2. PLAN
3. ELEVATIONS
4. PLAN & PROFILE, PROPOSED
5. PLAN & PROFILE, EXISTING
6. ABUTMENTS
7. ABUTMENT & WING WALL ELEVATIONS
8. PIERS
9. STEEL FRAMING
10. STEEL DETAILS
11. DECK ELEVATIONS - 1
12. DECK ELEVATIONS - 2
13. DECK SLAB
14. DECK DETAILS - 1
15. DECK DETAILS - 2
16. APPROACH SLABS
17. CROSS SECTIONS - 1
18. CROSS SECTIONS - 2
19. LIGHTING
20. BORING DATA
21. MISCELLANEOUS DETAILS
22. UTILITIES

STANDARDS

1514-6	2180-3
1327-5	2188-6
1663-2	2113-1
1526-4	2298-4
2213-4	2299-5
	2300-1
	2307-6
	64 U-2



GROSS LENGTH OF IMPROVEMENT = 640 LIN. FT. = 0.12 MILES
NET LENGTH OF IMPROVEMENT = 640 LIN. FT. = 0.12 MILES

LOCATION MAP

APPROVED

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
APPROVED
DIVISION ENGINEER — DATE

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
SUBMITTED 7/2 19 74
PASSED August 15 19 74
APPROVED August 15 19 74

CITY OF EVANSTON
APPROVED 19 74 — CITY ENGINEER
APPROVED 19 74 — DEPUTY CITY MANAGER, SERVICES

CONTRACT NO 27672

CIORBA, SPIES, GUSTAFSON & Co.
CONSULTING ENGINEERS
KENILWORTH, ILLINOIS

FILE: 11,819-1

USER NAME =	DESIGNED - CSP	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING PIAN 1 STRUCTURE NUMBER 016–6949
	CHECKED - DSE	REVISED -		
PLOT SCALE =	DRAWN - RTT	REVISED -		
PLOT DATE =	CHECKED - 05-18-2020	REVISED -		NONE — SHEET S-39 OF S-56 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1301	16-00278-00-BR	COOK	136	102

CONTRACT NO. 61F92
ILLINOIS FED. AID PROJECT

Stanley Consultants INC.

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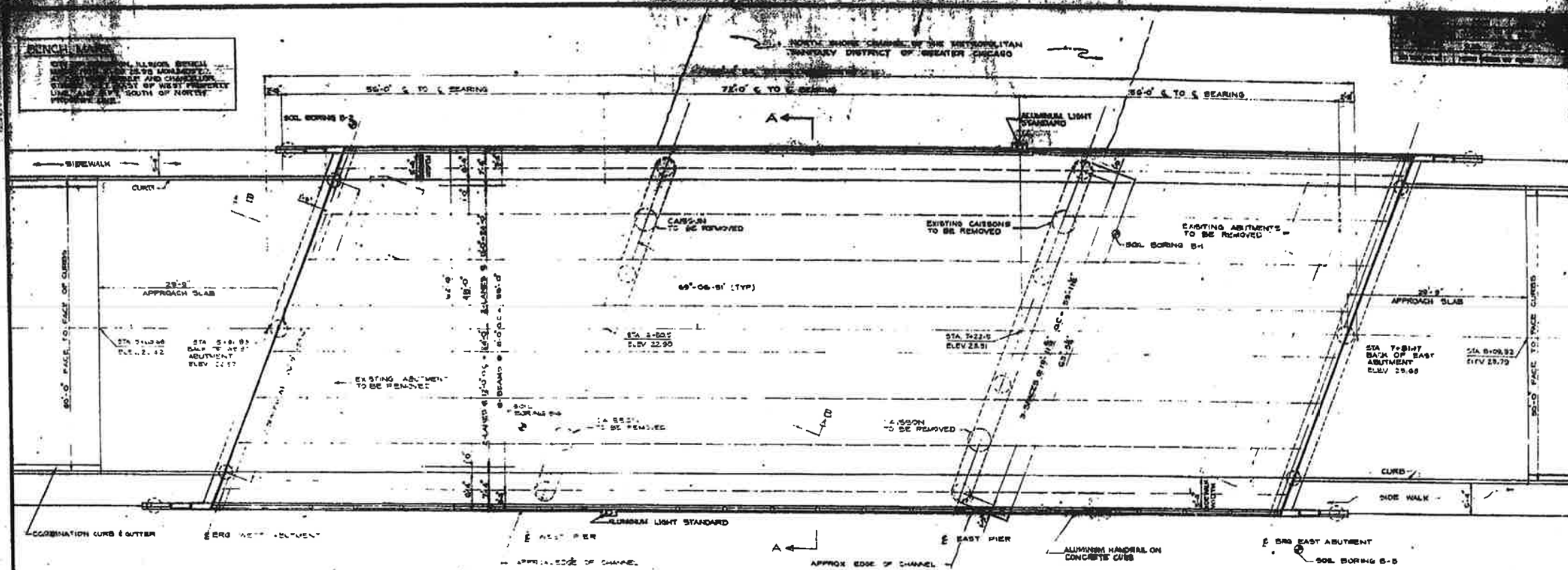

PLAN

CONSTRUCTION TYPE CODE G707

TOTAL BILL OF MATERIAL - ROADWAY

CODE NO.	ITEM	UNIT	QUANT.
201001	TREE REMOVAL (6 TO 15 INCH DIAMETER)	IN. DIA	60
201002	TREE REMOVAL (OVER 15 INCH DIAMETER)	IN. DIA	60
202001	EARTH EXCAVATION	CU. YD	180
210001	TRENCH BACKFILL	CU. YD	275
212001	SUB-BASE-GRANULAR MATERIAL, TYPE A 4"	TON	575
354006	PORTLAND CEMENT CONCRETE BASE COURSE 8"	SQ. YD	2,050
406001	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	250
406007	BITUMINOUS CONCRETE BINDER COURSE	TON	210
406008	BITUMINOUS CONCRETE SURFACE COURSE CLASS I	TON	210
501049	CONCRETE HEADWALL REMOVAL	EACH	1
602029	STORM SEWER, TYPE 2-10"	LIN. FT	247
602056	STORM SEWER, TYPE 3-15"	LIN. FT	110
612017	CATCH BASIN, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	7
612111	MANHOLE, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1
612142	INLETS, TYPE A, TYPE 1 FRAME, OPEN LID	EACH	2
612156	VALVE VAULT, TYPE A, 4' DIAMETER, TYPE 1 FRAME CLOSED LID	EACH	1
613001	FRAMES AND GRATES TO BE ADJUSTED	EACH	6
615001	FILLING EXISTING MANHOLE	EACH	1
615003	FILLING EXISTING INLETS	EACH	4
616006	CONCRETE CURB, TYPE B	LIN. FT	140
616029	COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12	LIN. FT	800
617001	PAVEMENT REMOVAL	SQ. YD	2,200
617002	DRIVEWAY PAVEMENT REMOVAL	SQ. YD	175
617003	COMBINATION CURB & GUTTER REMOVAL	LIN. FT	350
617006	SIDEWALK REMOVAL	SQ. FT	4,200

CONSTRUCTION TYPE CODE G707

CODE NO.	ITEM	UNIT	QUANT.
423004	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT 8"	SQ. YD	2,200
424002	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ. FT	3,100
629002	CHAIN LINK FENCE 6'	LIN. FT	100
635002	PIPE HANDRAIL REMOVAL	LIN. FT	190
694009	STORM SEWER REMOVAL 8"	LIN. FT	85
244221	SODDING	SQ. YD.	650
648001	ENGINEERS FIELD OFFICE, TYPE A	EACH	1
648073	ENGINEERS FIELD LABORATORY	EACH	1
XX0409	RELOCATING SURVEY MARKER	EACH	1
XX9646	CONCRETE HEADWALL	EACH	1
XX0410	TREES (3½"-4")	EACH	12
XX0411	FOUNDATION FOR METAL POLES	EACH	5
XX0412	RELOCATE EXISTING METAL POLES WITH LAMP	EACH	5
XX0413	1/C #4-8 KV CABLE, TYPE RR	LIN. FT	1,324
825004	GALVANIZED STEEL CONDUIT 2" ENCASED IN CONCRETE	LIN. FT.	850
837001	TRENCH AND BACKFILL	LIN. FT.	850
850001	CONCRETE FOUNDATION REMOVAL	EACH	5

CONSTRUCTION TYPE CODE X041

TOTAL BILL OF MATERIAL - BRIDGE AND APPROACH SLAB

CODE NO.	ITEM	UNIT	SUPER	SUB.	TOTAL
354007	PORTLAND CEMENT CONCRETE BASE COURSE (10"-12")	SQ. YD	—	340	340
406008	BITUMINOUS CONCRETE SURFACE COURSE CLASS I	TON	50	—	50
501001	REMOVAL OF EXISTING STRUCTURES	EACH	1	—	1
X502011	STRUCTURE EXCAVATION	CU. YD	—	425	425
503004	PROTECTIVE COAT	SQ. YD	—	175	175
504003	CLASS X CONCRETE	CU. YD	400	240	640
507025	STUD SHEAR CONNECTORS	EACH	3744	—	3744
507030	FURNISHING AND ERECTING STRUCTURAL STEEL*	L. SUM	1	—	1
508006	ALUMINUM RAILING, TYPE L	LIN. FT	372	—	372
508007	STEEL RAILING, TYPE M (OPTIONAL)	LIN. FT	372	—	372
512001	REINFORCEMENT BARS	POUND	109,100	79,020	188,120
514001	NAME PLATE	EACH	—	—	1
616005	CONCRETE CURB, SPECIAL	LIN. FT	—	120	120
XX0414	WATERPROOFING MEMBRANE SYSTEM	SQ. YD	1,087	—	1,087
XX0415	PREFORMED JOINT SEALER 2½"	LIN. FT	70	—	70
XX0416	PREFORMED JOINT SEALER 4"	LIN. FT	70	—	70
XX0417	CAISSONS 5½' DIA.	LIN FT	—	365	365
XX0418	DUCTILE IRON WATER MAIN, LOCKED MECH. JT. 8"	L. SUM	—	—	1
XX0419 ⊘	INSTALL INSERTS (FOR ELECTRICAL CONDUITS)	L. SUM	1	—	1
XX0420 ⊘	INSTALL EXPANSION COUPLINGS (FOR ELECTRICAL CONDUITS)	L. SUM	1	—	1
XX0421 ⊘	FURNISH AND INSTALL INSERTS (FOR GAS MAIN)	L. SUM	1	—	1
XX0422 ⊘	FURNISH & INSTALL 12" STL. PIPE SLEEVE (FOR GAS MAIN)	L. SUM	1	—	1
XX0445	CAISSONS 3'-0" DIA.	LIN FT	—	695	695
XB1180**	TRAINEES	HOUR	—	—	2,000
XX0423	SERVICE TRANSFORMER - 5 KAMP.	EACH	2	—	2
XX0424	[illegible] CONDUIT EMBEDDED IN [illegible]	LIN. FT	390	—	390
XX0425	ALUMINUM LIGHT POLE WITH 15 FT DAVIT ARM	EACH	2	—	2
XX0426	AND [illegible] LUMINAIRES, TYPE III	EACH	2	—	2

⊘ Non-Participating

* SCHEDULED WEIGHT OF STRUCTURAL STEEL = 233,312 #

** Const. Type Code. Y080

Revised 8-23-71

GENERAL NOTES

ANCHOR BOLTS SHALL BE SET BEFORE BOLTING DIAPHRAGMS OVER SUPPORTS.

FIELD WELDING OF CONSTRUCTION ACCESSORIES WILL NOT BE PERMITTED TO THE BOTTOM FLANGE OF BEAMS NOR TO THE TOP FLANGE FOR A DISTANCE EQUAL TO ONE-FOURTH THE SPAN LENGTH EACH WAY FROM THE PIER SUPPORTS. FIELD WELDING IN OTHER AREAS WILL BE PERMITTED ONLY WHEN APPROVED BY THE ENGINEER.

FASTENERS SHALL BE HIGH STRENGTH BOLTS. BOLTS ARE 3/4" DIA., OPEN HOLES ARE 13/16" DIA., UNLESS OTHERWISE NOTED.

PROTECTIVE COAT SHALL NOT BE APPLIED TO SURFACES TO WHICH THE WATERPROOFING MEMBRANE SYSTEM IS APPLIED.

CHAMFER ALL EXPOSED CONCRETE EDGES 3/4" UNLESS OTHERWISE NOTED.

ALL REINFORCEMENT BARS SHALL BE LAPPED 36 DIAMETERS UNLESS OTHERWISE NOTED.

CLEAR COVER OF CONCRETE OVER REINFORCEMENT BARS SHALL BE 2" UNLESS OTHERWISE NOTED.

ABBREVIATIONS N.F., F.F. AND E.F. INDICATE NEAR FACE, FAR FACE AND EACH FACE RESPECTIVELY.

THE EMBANKMENT CONFIGURATION SHOWN SHALL BE THE MINIMUM EMBANKMENT THAT MUST BE CONSTRUCTED PRIOR TO CONSTRUCTION OF THE ABUTMENTS.

BEARING SEAT SURFACES SHALL BE CONSTRUCTED OR ADJUSTED TO THE DESIGNATED ELEVATIONS WITHIN A TOLERENCE OF A 1/8 INCH. ADJUSTMENT SHALL BE MADE EITHER BY GRINDING THE SURFACE OR BY SHIMMING THE BEARING. TWO 1/8 INCH ADJUSTING SHIMS, OF THE DIMENSIONS OF THE BOTTOM BEARING PLATE, SHALL BE PROVIDED FOR EACH BEARING IN ADDITION TO ALL OTHER PLATES OR SHIMS.

THE MAIN LOAD CARRYING MEMBER COMPONENTS SUBJECT TO THE SUPPLEMENTAL REQUIREMENTS FOR NOTCH TOUGHNESS ARE THE FLANGES, WEBS, AND SPLICE PLATES OF THE STEEL GIRDERS OR WIDE FLANGE BEAMS.

NORTH SHORE CHANNEL
BUILT 197_
CITY OF EVANSTON
FAUS RT. [illegible] SEC. 150-8-CS
FAUS PROJ. M-5003 (2)
LOADING HS-20 SR. NO. 016-6949

NAME PLATE LETTERING
SEE STANDARD 2115

RECORD PLAN
FOR INFORMATION ONLY

Stanley Consultants INC.	USER NAME =	DESIGNED - CSP	REVISED -
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLAN 2
STRUCTURE NUMBER 016-6949

NONE — SHEET S-40 OF S-56 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1301	16-00278-00-BR	COOK	136	103
		CONTRACT NO. 61F92		
		ILLINOIS FED. AID PROJECT		

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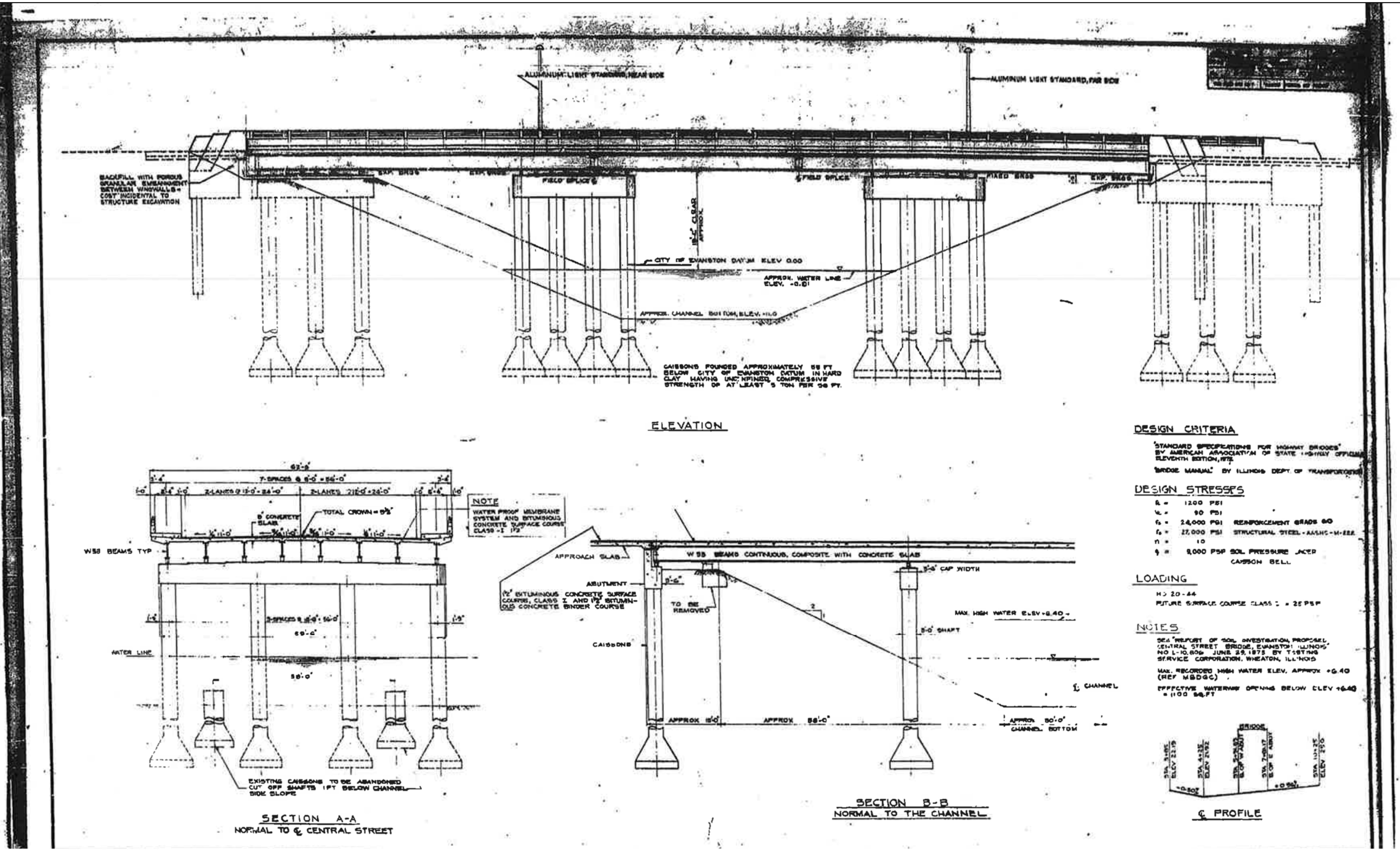
ALUMINUM LIGHT STANDARD, NEAR SIDE
ALUMINUM LIGHT STANDARD, FAR SIDE
BACKFILL WITH POROUS GRANULAR EMBANKMENT BETWEEN WINGWALLS-COST INCIDENTAL TO STRUCTURE EXCAVATION
FIELD SPLICE
EXP. BRGS
FIXED BRGS
CITY OF EVANSTON DATUM ELEV 0.00
APPROX. WATER LINE ELEV. -0.01
APPROX. CHANNEL BOTTOM ELEV. -11.0
CAISSONS FOUNDED APPROXIMATELY 58 FT BELOW CITY OF EVANSTON DATUM IN HARD CLAY HAVING UNCONFINED COMPRESSIVE STRENGTH OF AT LEAST 3 TON PER SQ FT.
ELEVATION
DESIGN CRITERIA
"STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES" BY AMERICAN ASSOCIATION OF STATE HIGHWAY OFFICIALS ELEVENTH EDITION, 1973.
"BRIDGE MANUAL" BY ILLINOIS DEPT. OF TRANSPORTATION
DESIGN STRESSES
REINFORCEMENT GRADE 60
STRUCTURAL STEEL - AASHO - M-222
SOIL PRESSURE UNDER CAISSON BELL
LOADING
HS 20-44
NOTES
NOTE
WATER PROOF MEMBRANE SYSTEM AND BITUMINOUS CONCRETE SURFACE COURSE CLASS I
W36 BEAMS TYP
TOTAL CROWN
WATER LINE
APPROACH SLAB
ABUTMENT
CAISSONS
TO BE REMOVED
W36 BEAMS CONTINUOUS, COMPOSITE WITH CONCRETE SLAB
CAP WIDTH
SHAFT
MAX. HIGH WATER ELEV +6.40
℄ CHANNEL
CHANNEL BOTTOM
EXISTING CAISSONS TO BE ABANDONED CUT OFF SHAFTS 1 FT BELOW CHANNEL SIDE SLOPE
SECTION A-A
NORMAL TO ℄ CENTRAL STREET
SECTION B-B
NORMAL TO THE CHANNEL
BRIDGE
℄ PROFILE

RECORD PLAN
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PLOT DATE =	CHECKED - 05-18-2020	REVISED -	

Stanley Consultants INC.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PIAN 3
STRUCTURE NUMBER 016–6949

NONE SHEET S-41 OF S-56 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1301	16-00278-00-BR	COOK	136	104
		CONTRACT NO. 61F92		
		ILLINOIS FED. AID PROJECT		

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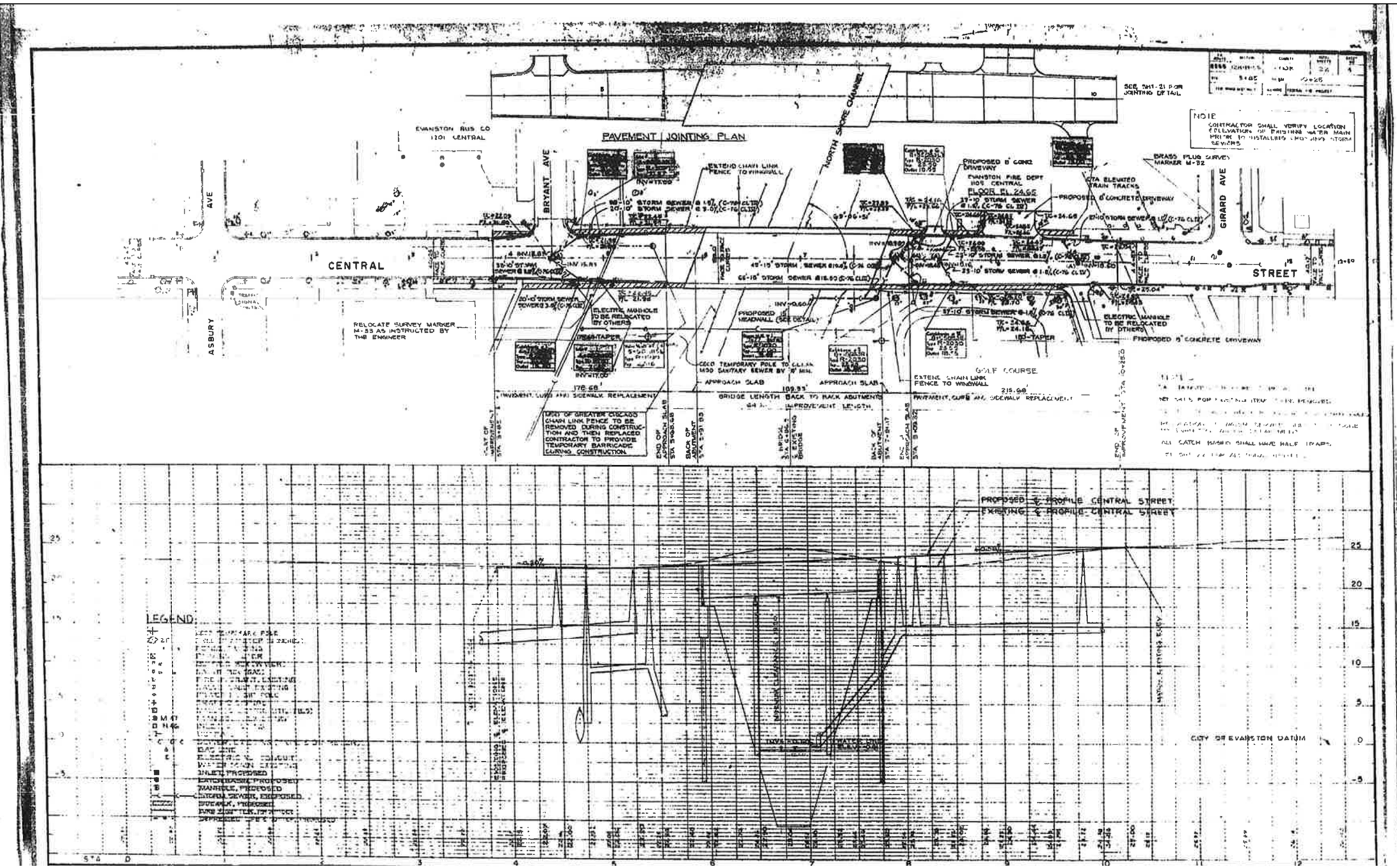

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	CHECKED - DSE	REVISED -	
PLOT SCALE =	DRAWN - RTT	REVISED -	
PLOT DATE =	CHECKED - 05-18-2020	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PIAN 4
STRUCTURE NUMBER 016-6949
NONE SHEET S-42 OF S-56 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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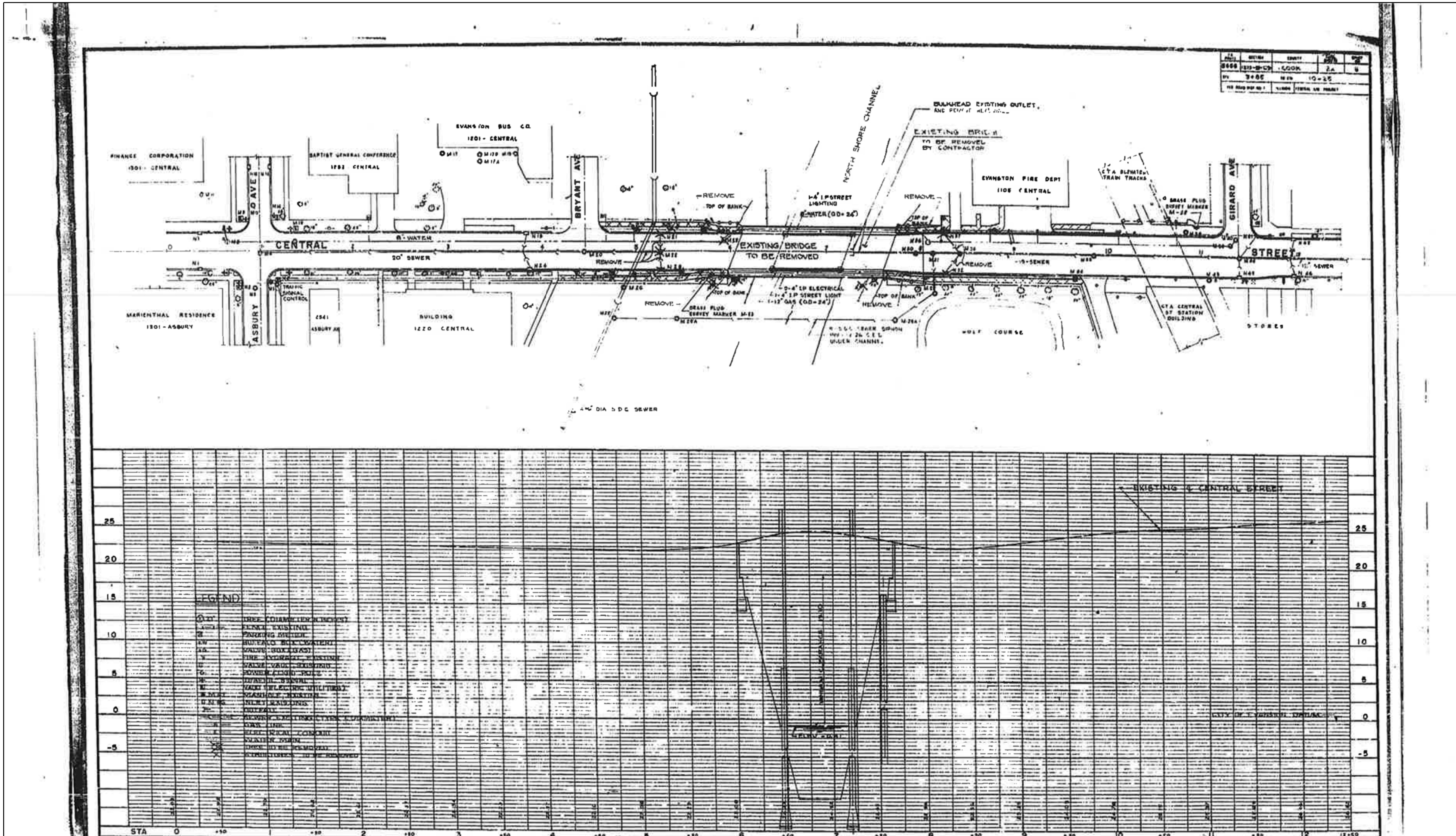
		CONTRACT NO. 61F92		
		ILLINOIS	FED. AID PROJECT	



RECORD PLAN
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	PLOT SCALE =	DRAWN - RTT	REVISED -	
	PLOT DATE =	CHECKED - 05-18-2020	REVISED -	

EXISTING PIAN 5
STRUCTURE NUMBER 016–6949

NONE | SHEET S-43 OF S-56 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1301	16-00278-00-BR	COOK	136	106
		CONTRACT NO. 61F92		
		ILLINOIS	FED. AID PROJECT	

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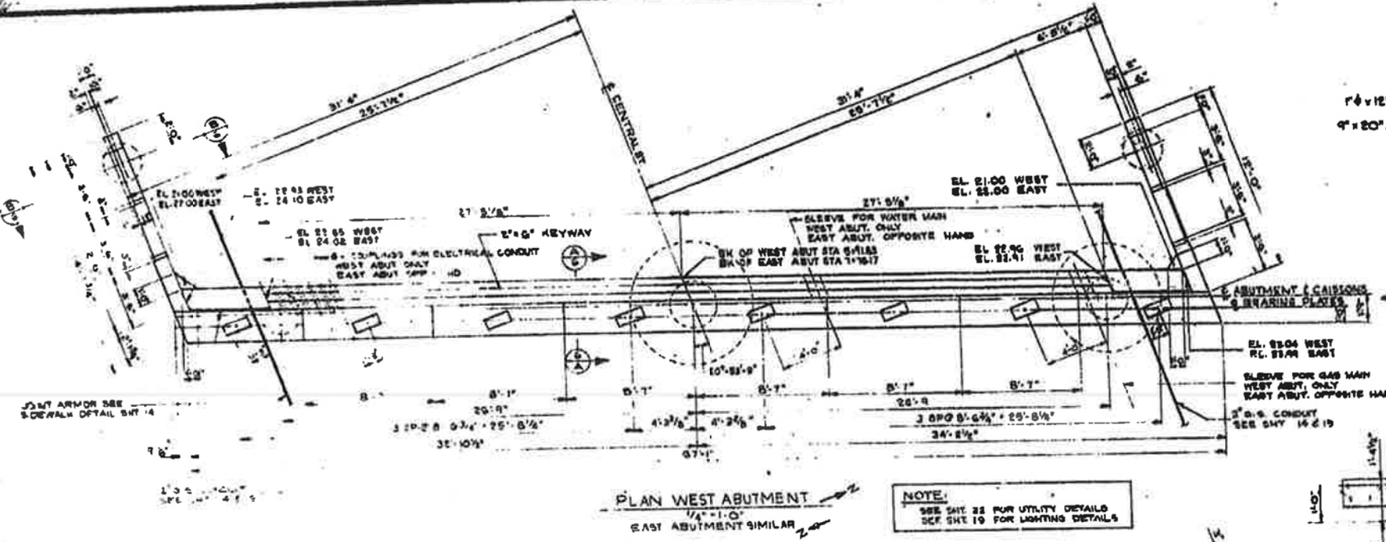

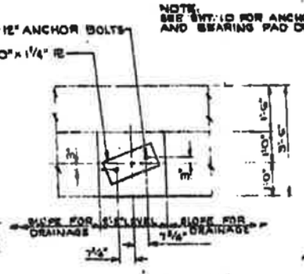

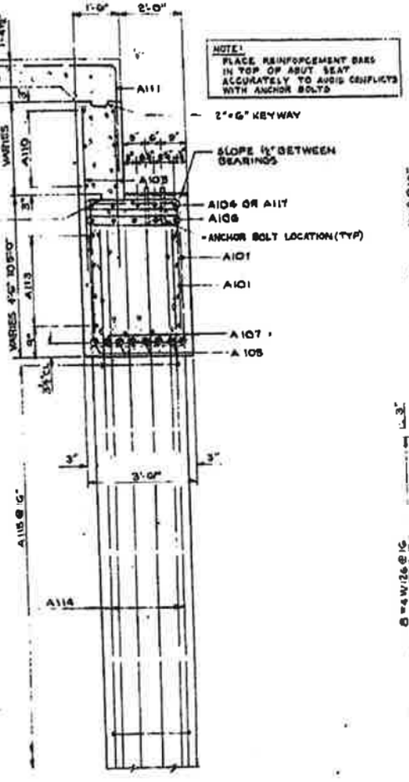

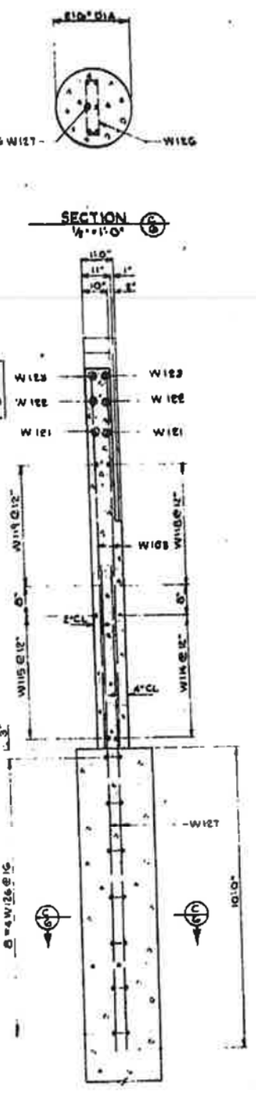

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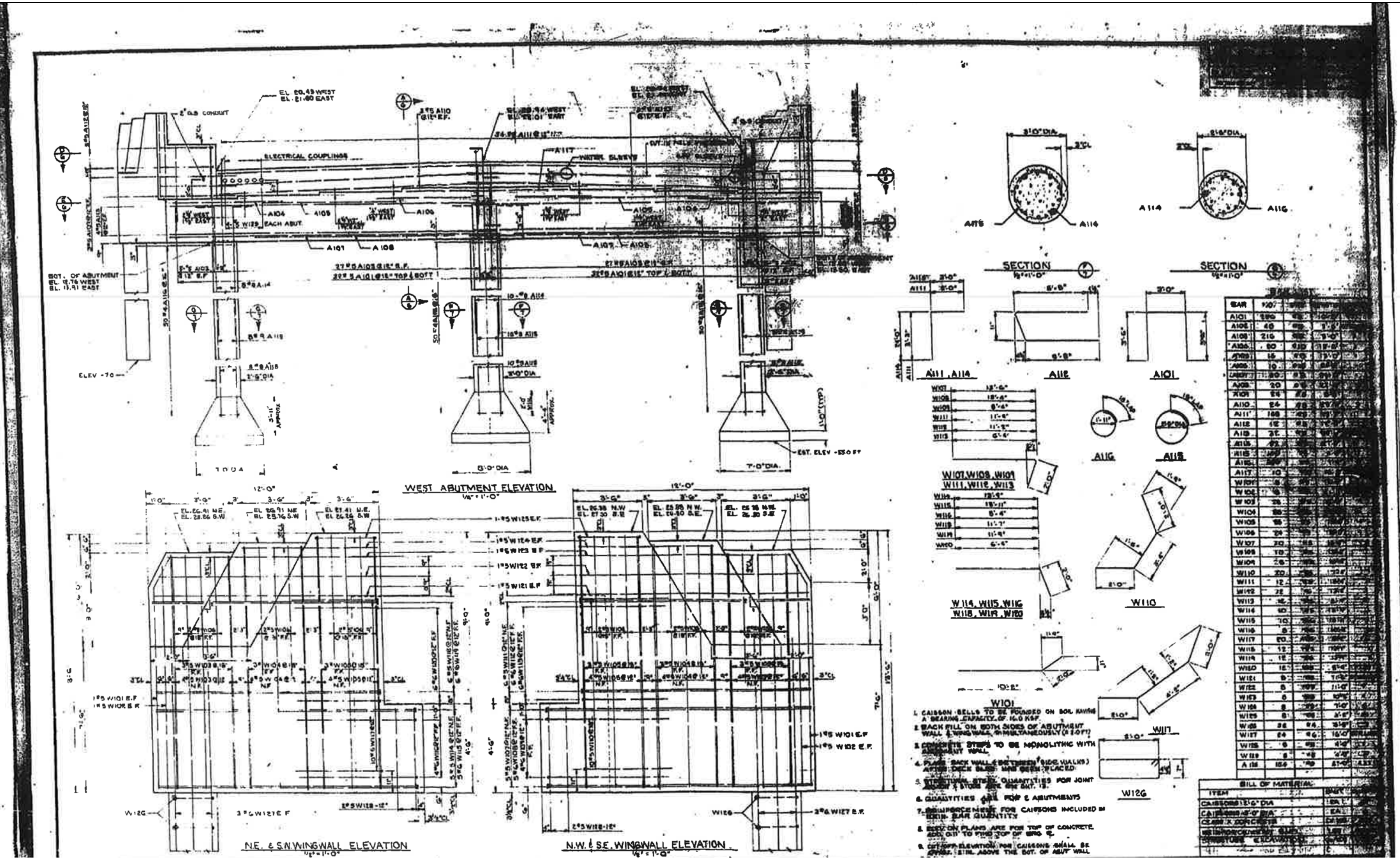
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PIAN 6
STRUCTURE NUMBER 016-6949
NONE SHEET S-44 OF S-56 SHEETS

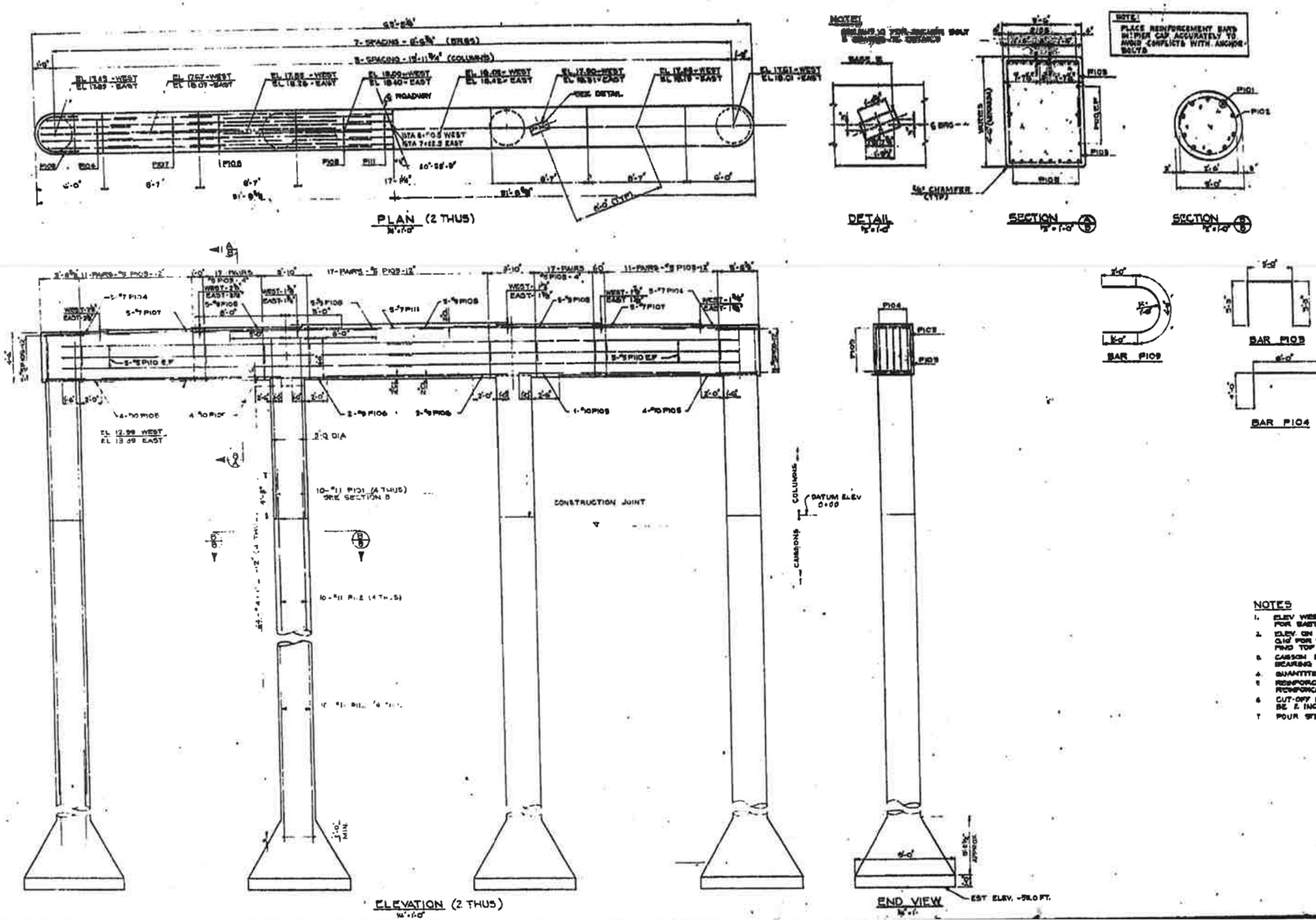
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1301	16-00278-00-BR	COOK	136	107
		CONTRACT NO. 61F92		
		ILLINOIS	FED. AID PROJECT	



RECORD PLAN
FOR INFORMATION ONLY

Stanley Consultants INC.	USER NAME =	DESIGNED - CSP	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING PIAN 7 STRUCTURE NUMBER 016–6949
		CHECKED - DSE	REVISED -		
	PLOT SCALE =	DRAWN - RTT	REVISED -		
	PLOT DATE =	CHECKED - 05-18-2020	REVISED -		NONE SHEET S-45 OF S-56 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1301	16-00278-00-BR	COOK	136	108
		CONTRACT NO. 61F92		
		ILLINOIS	FED. AID PROJECT	



BAR LIST

BAR	NO	SIZE	LENGTH	SHAPE
P101	80	11	17'-0"	
P102	812	4	9'-8"	
P103	792	8	9'-6"	
P104	20	7	12'-0"	
P105	32	10	16'-0"	
P106	8	9	10'-0"	
P107	20	7	11'-4"	
P108	40	9	15'-0"	
P109	20	5	8'-9"	
P110	24	9	51'-0"	
P111	10	7	9'-6"	
P112	160	11	23'-6"	

BILL OF MATERIALS

ITEM	UNIT	QUANT.
CLASS X CONCRETE	CU YDS	116
REINFORCEMENT BARS	LBS.	44860
CAISSONS - 3'-0" DIA.	EACH	8

NOTES

1. ELEV WEST ARE FOR WEST PIER AND ELEV EAST FOR EAST PIER
2. ELEV. ON PLANS ARE FOR TOP OF CONCRETE. ADD 0.18' FOR WEST PIER AND 0.15' FOR EAST PIER. TO FIND TOP OF BRG. E. ELEV.
3. CAISSON BELLS TO BE FOUNDED ON SOIL HAVING BEARING CAPACITY OF 10.0 KSF
4. QUANTITIES ARE FOR 2 PIERS
5. REINFORCEMENT BARS QUANTITY INCLUDE CAISSON REINFORCEMENT
6. CUT-OFF ELEVATION FOR PIER COLUMNS SHALL BE 2 INCHES ABOVE BOTTOM OF PIER CAP.
7. POUR STEPS MONOLITHICALLY WITH CAPS.

RECORD PLAN
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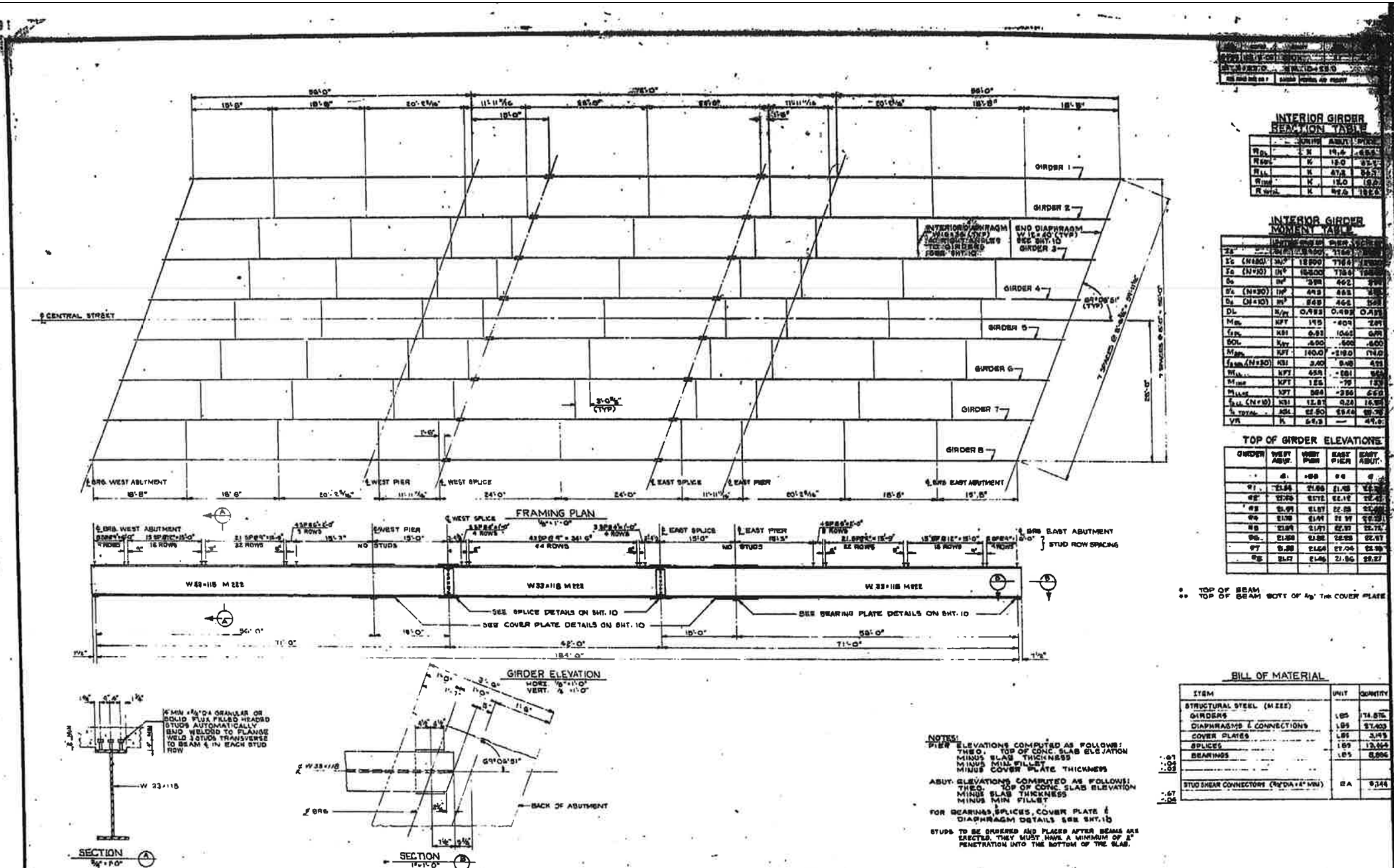
INTERIOR GIRDER REACTION TABLE
INTERIOR GIRDER MOMENT TABLE
TOP OF GIRDER ELEVATIONS
FRAMING PLAN
GIRDER ELEVATION
BILL OF MATERIAL
SECTION A
SECTION B
W 33×118 M 222
SEE SPLICE DETAILS ON SHT. 10
SEE COVER PLATE DETAILS ON SHT. 10
SEE BEARING PLATE DETAILS ON SHT. 10
CENTRAL STREET
WEST PIER
WEST SPLICE
EAST SPLICE
EAST PIER
BACK OF ABUTMENT
STUD ROW SPACING
NOTES:
PIER ELEVATIONS COMPUTED AS FOLLOWS: THEO. TOP OF CONC. SLAB ELEVATION MINUS SLAB THICKNESS MINUS MIN. FILLET MINUS COVER PLATE THICKNESS
ABUT. ELEVATIONS COMPUTED AS FOLLOWS: THEO. TOP OF CONC. SLAB ELEVATION MINUS SLAB THICKNESS MINUS MIN FILLET
FOR BEARINGS, SPLICES, COVER PLATE & DIAPHRAGM DETAILS SEE SHT. 10
STUDS TO BE ORDERED AND PLACED AFTER BEAMS ARE ERECTED. THEY MUST HAVE A MINIMUM OF 2" PENETRATION INTO THE BOTTOM OF THE SLAB.

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FILE NAME: Existing Plans 9

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PLOT DATE =	CHECKED - 05-18-2020	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PIAN 9
STRUCTURE NUMBER 016–6949

NONE — SHEET S-47 OF S-56 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1301	16-00278-00-BR	COOK	136	110
		CONTRACT NO. 61F92		
		ILLINOIS	FED. AID PROJECT	

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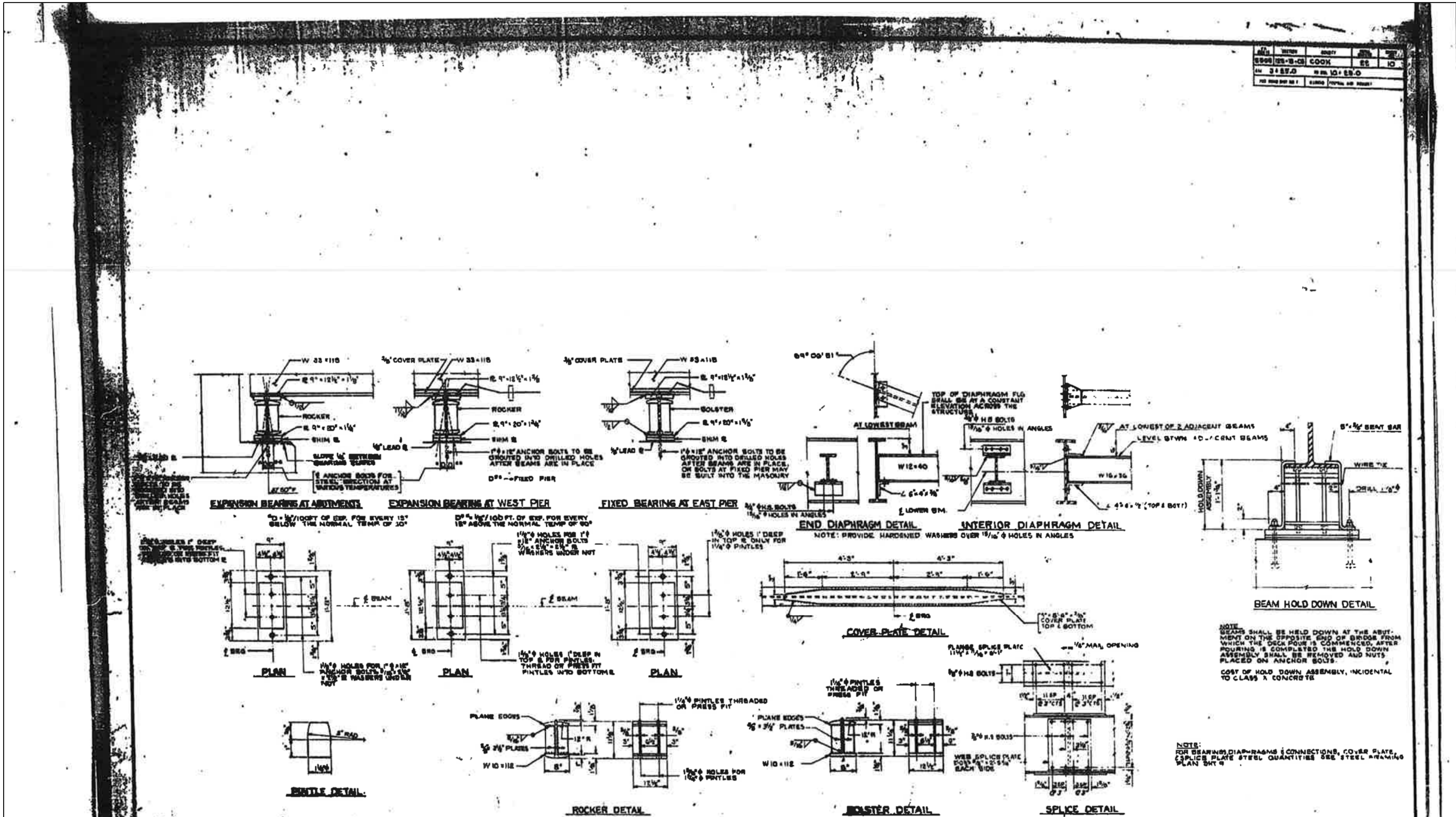

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FILE NAME: Existing Plans 10
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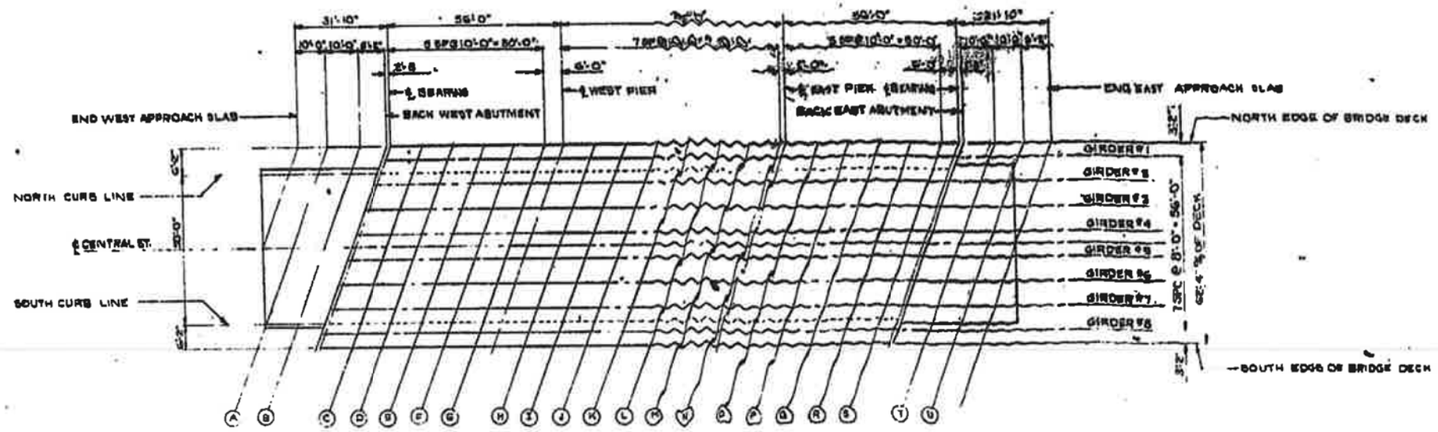
USER NAME =	DESIGNED - CSP	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING PIAN 10 STRUCTURE NUMBER 016-6949
	CHECKED - DSE	REVISED -		
PLOT SCALE =	DRAWN - RTT	REVISED -		
PLOT DATE =	CHECKED - 05-18-2020	REVISED -		NONE SHEET S-48 OF S-56 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1301	16-00278-00-BR	COOK	136	111
		CONTRACT NO. 61F92		
		ILLINOIS FED. AID PROJECT		



PLAN

NORTH EDGE OF BRIDGE DECK

OFFSET FROM ℄ = 31.17'
STA. CORRECTION = 11.88'
CROWN CORRECTION = 0.29'

LOCATION	STA.	℄ THEO. TOP OF SLAB EL.	D.L. DEFL. CORRECT.	ADJUSTED TOP OF SLAB EL.
END W APPR SLAB				
A				
B				
BK W ABUT				
℄ BRG W ABUT	G+06.39	22.24	——	22.24
C	G+16.39	22.30	.026	22.33
D	G+26.39	22.35	.034	22.39
E	G+36.39	22.41	.036	22.45
F	G+46.39	22.46	.020	22.48
G	G+56.39	22.52	.002	22.52
℄ W PIER	G+62.29	22.55	——	22.55
H	G+72.39	22.61	.010	22.63
I	G+82.39	22.67	.044	22.71
J	G+92.39	22.72	.062	22.78
K	1+01.39	22.78	.006	22.84
L	1+12.39	22.83	.048	22.88
M	1+22.39	22.89	.022	22.91
N	1+32.39	22.95	.001	22.96
℄ E PIER	1+34.39	22.96	——	22.96
O	1+44.39	23.01	.009	23.06
P	1+54.39	23.07	.028	23.10
Q	1+64.39	23.13	.040	23.17
R	1+74.39	23.18	.036	23.22
S	1+84.39	23.24	.016	23.26
℄ BRG E ABUT	1+90.39	23.27	——	23.27
BK E. ABUT				
T				
U				
END E. APPR SLAB				

℄ GIRDER #1

OFFSET FROM ℄ = 25.00'
STA CORRECTION = 10.65'
CROWN CORRECTION = 0.35'

STA.	℄ THEO. TOP OF SLAB EL.	D.L. DEFL. CORRECT.	ADJUSTED TOP OF SLAB EL.
G+03.18	22.14	——	22.14
G+16.18	22.20	.026	22.23
G+26.18	22.26	.034	22.30
G+36.18	22.31	.036	22.35
G+46.18	22.37	.020	22.39
G+56.18	22.42	.002	22.42
G+61.18	22.46	——	22.46
G+71.18	22.51	.010	22.53
G+81.18	22.57	.044	22.61
G+91.18	22.63	.062	22.69
1+01.18	22.68	.006	22.74
1+11.18	22.74	.048	22.79
1+21.18	22.79	.022	22.81
1+31.18	22.85	.001	22.86
1+33.18	22.86	——	22.86
1+43.18	22.93	.009	22.94
1+53.18	22.97	.028	23.00
1+63.18	23.03	.040	23.07
1+73.18	23.09	.036	23.13
1+83.18	23.14	.016	23.16
1+89.18	23.17	——	23.17

NORTH CURB LINE

OFFSET FROM ℄ = 25.00'
STA. CORRECTION = 9.66'
CROWN CORRECTION = 0.46'

STA.	℄ THEO. TOP OF SLAB EL.	D.L. DEFL. CORRECT.	ADJUSTED TOP OF SLAB EL.
5+78.18	21.76	——	21.76
5+88.18	21.81	——	21.81
5+98.18	21.87	——	21.87
G+01.37	21.92	——	21.92
G+04.04	22.08	——	22.08
G+14.04	22.11	.026	22.14
G+24.04	22.17	.034	22.21
G+34.04	22.23	.036	22.27
G+44.04	22.28	.020	22.30
G+54.04	22.34	.002	22.34
G+60.04	22.37	——	22.37
G+70.04	22.43	.010	22.45
G+80.04	22.48	.044	22.52
G+90.04	22.54	.062	22.60
1+00.04	22.60	.006	22.66
1+10.04	22.65	.048	22.70
1+20.04	22.71	.022	22.73
1+30.04	22.76	.001	22.77
1+32.04	22.77	——	22.77
1+42.04	22.83	.009	22.84
1+52.04	22.89	.028	22.92
1+62.04	22.95	.040	22.99
1+72.04	23.00	.036	23.04
1+82.04	23.05	.016	23.07
1+88.04	23.08	——	23.08
1+90.71	23.98	——	23.98
5+00.71	25.03	——	25.03
5+09.88	27.33*		27.33*

℄ GIRDER #2

OFFSET FROM ℄ = 50.00'
STA. CORRECTION = 7.83'
CROWN CORRECTION = 0.30'

STA.	℄ THEO. TOP OF SLAB EL.	D.L. DEFL. CORRECT.	ADJUSTED TOP OF SLAB EL.
G+02.18	22.15	——	22.15
G+12.18	22.23	.026	22.25
G+22.18	22.30	.034	22.34
G+32.18	22.36	.036	22.40
G+42.18	22.41	.020	22.43
G+52.18	22.47	.002	22.47
G+58.18	22.51	——	22.51
G+68.18	22.57	.010	22.59
G+78.18	22.63	.044	22.67
G+88.18	22.69	.062	22.75
G+98.18	22.74	.006	22.80
1+08.18	22.80	.048	22.85
1+18.18	22.85	.022	22.87
1+28.18	22.91	.001	22.92
1+30.18	22.92	——	22.92
1+40.18	22.98	.009	22.99
1+50.18	23.04	.028	23.07
1+60.18	23.09	.040	23.13
1+70.18	23.14	.036	23.18
1+80.18	23.19	.016	23.21
1+86.18	23.22	——	23.22

℄ GIRDER #3

OFFSET FROM ℄ = 12.00'
STA. CORRECTION = 4.58'
CROWN CORRECTION = 0.19'

STA.	℄ THEO. TOP OF SLAB EL.	D.L. DEFL. CORRECT.	ADJUSTED TOP OF SLAB EL.
5+98.03	22.30	——	22.30
6+08.03	22.36	.026	22.39
6+18.03	22.41	.034	22.45
6+28.03	22.47	.036	22.51
6+38.03	22.53	.020	22.54
6+48.03	22.58	.002	22.58
6+53.03	22.61	——	22.61
6+63.03	22.67	.010	22.69
6+73.03	22.73	.044	22.77
6+83.03	22.78	.062	22.84
6+93.03	22.84	.006	22.90
7+03.03	22.89	.048	22.94
7+13.03	22.95	.022	22.97
7+23.03	23.01	.001	23.01
7+25.03	23.02	——	23.02
7+35.03	23.07	.009	23.08
7+45.03	23.13	.028	23.16
7+55.03	23.18	.040	23.22
7+65.03	23.24	.036	23.28
7+75.03	23.30	.016	23.32
7+81.03	23.33	——	23.33

℄ GIRDER #4

OFFSET FROM ℄ = 4.0'
STA. CORRECTION = 1.93'
CROWN CORRECTION = 0.08'

STA.	℄ THEO. TOP OF SLAB EL.	D.L. DEFL. CORRECT.	ADJUSTED TOP OF SLAB EL.
5+96.03	22.41	——	22.41
6+06.03	22.47	.026	22.50
6+16.03	22.53	.034	22.57
6+26.03	22.58	.036	22.62
6+36.03	22.64	.020	22.66
6+46.03	22.69	.002	22.69
6+51.03	22.72	——	22.72
6+61.03	22.78	.010	22.80
6+71.03	22.84	.044	22.88
6+81.03	22.89	.062	22.95
6+91.03	22.95	.006	23.01
7+01.03	23.01	.048	23.06
7+11.03	23.06	.022	23.08
7+22.03	23.12	.001	23.12
7+24.03	23.13	——	23.13
7+34.03	23.19	.009	23.20
7+44.03	23.24	.028	23.27
7+54.03	23.30	.040	23.34
7+64.03	23.35	.036	23.39
7+74.03	23.41	.016	23.43
7+78.03	23.43	——	23.43

℄ CENTRAL STREET ℄ BRIDGE

OFFSET FROM ℄ = 0.0
STA. CORRECTION = 0.0
CROWN CORRECTION = 0.0

STA.	℄ THEO. TOP OF SLAB EL.	D.L. DEFL. CORRECT.	ADJUSTED TOP OF SLAB EL.
5+69.68	22.17		22.17
5+79.68	22.22		22.22
5+89.68	22.27		22.27
5+91.63	22.32		22.32
5+96.90	22.46	——	22.46
6+04.50	22.52	.026	22.55
6+14.50	22.58	.034	22.62
6+24.50	22.63	.036	22.67
6+34.50	22.69	.020	22.71
6+44.50	22.74	.002	22.74
6+50.50	22.78	——	22.78
6+60.50	22.83	.010	22.85
6+70.50	22.89	.044	22.93
6+80.50	22.95	.062	23.01
6+90.50	23.00	.006	23.06
7+00.50	23.06	.048	23.11
7+10.50	23.11	.022	23.13
7+20.50	23.17	.001	23.17
7+22.50	23.18	——	23.18
7+32.50	23.24	.009	23.25
7+42.50	23.31	.028	23.33
7+52.50	23.38	.040	23.34
7+62.50	23.41	.036	23.45
7+72.50	23.46	.016	23.48
7+78.50	23.49	——	23.49
7+81.17	23.51		23.51
7+91.17	23.44		23.44
8+01.17	23.50		23.50
8+04.56	23.55		23.54

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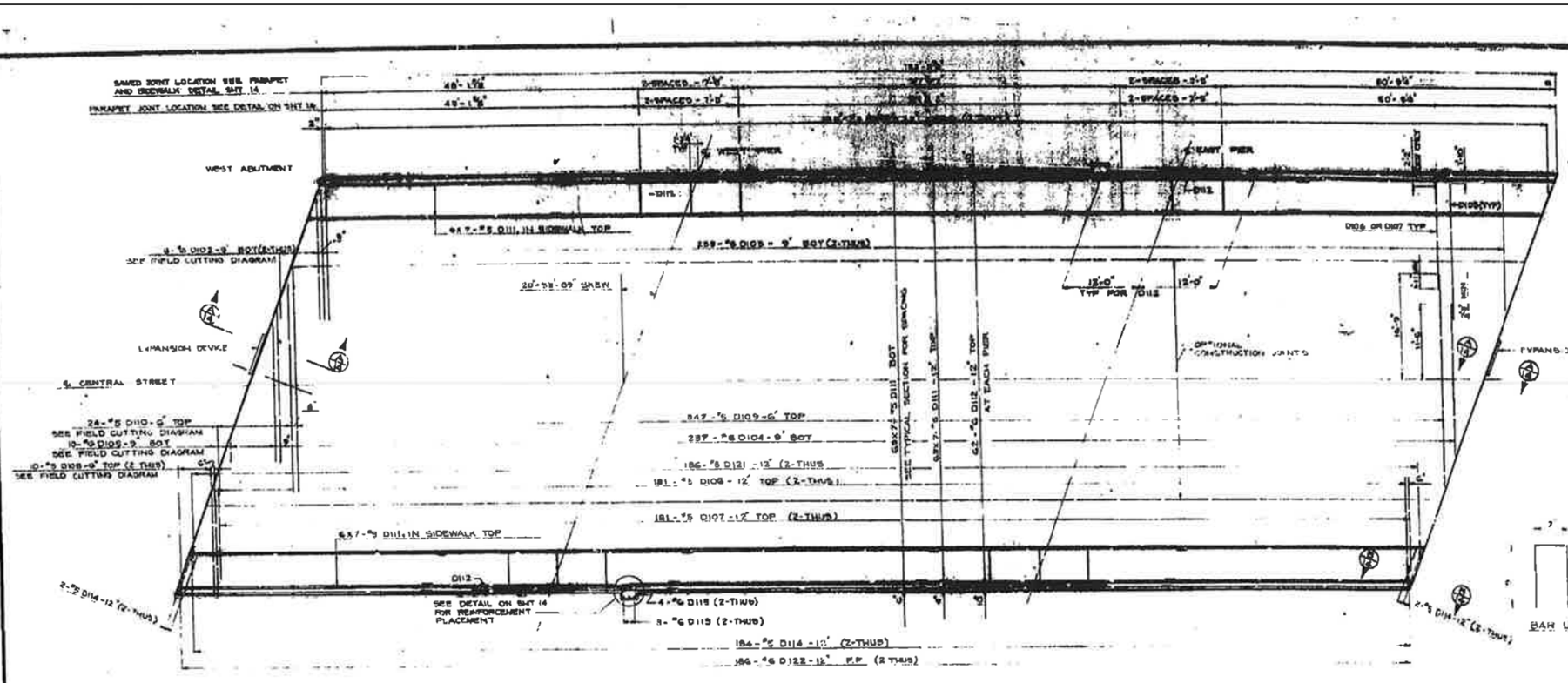
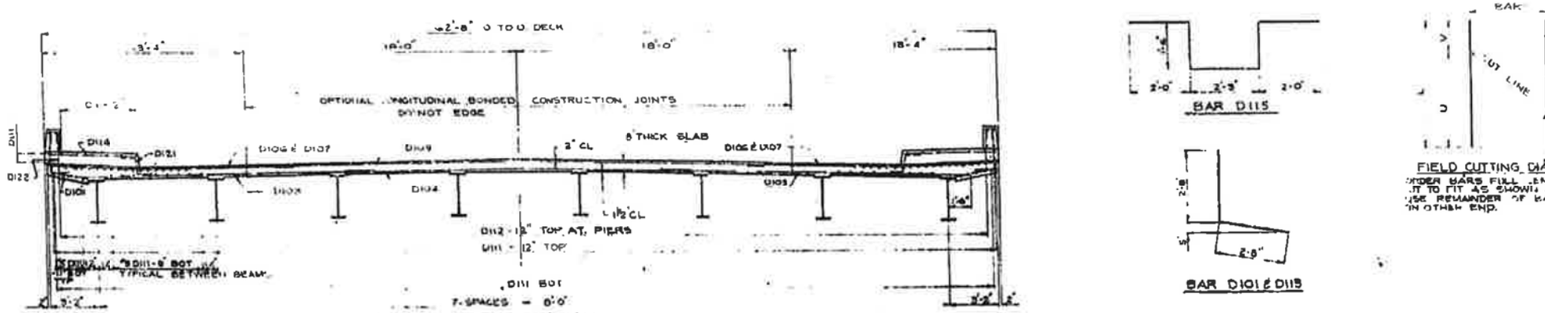
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

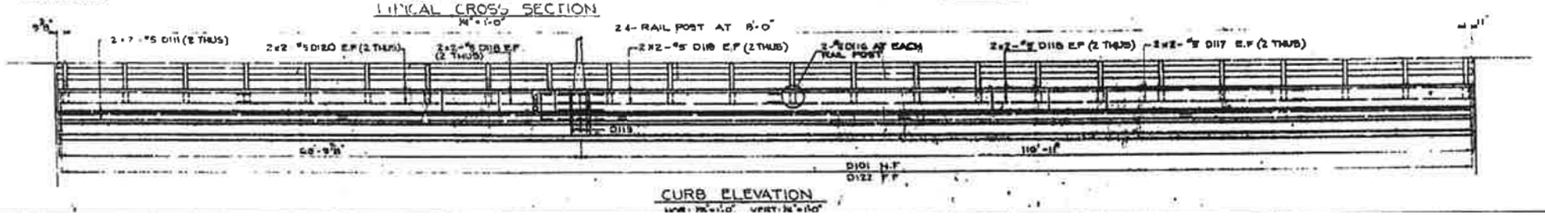
EXISTING PLAN 11
STRUCTURE NUMBER 016-6949
NONE SHEET S-49 OF S-56 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1301	16-00278-00-BR	COOK	136	112
		CONTRACT NO. 61F92		
	ILLINOIS	FED. AID PROJECT		



PLAN





FIELD CUTTING DIAGRAM

BAR	L	U	V	SETS
D102	21'-8"	18'-3"	4'-8"	2 OF 8 EACH
D104	25'-8"	21'-6"	8'-8"	1
D109	18'-0"	15'-0"	5'-0"	2 OF 8 EACH
D110	34'-9"	32'-2"	8'-7"	1

BAR LIST

BAR	NO	SIZE	LENGTH	TYPE
D101	372	5	5'-7"	L
D102	16	6	22'-8"	
D103	478	6	20'-8"	
D104	257	6	28'-0"	
D105	10	6	25'-0"	
D106	362	5	19'-3"	
D107	362	5	14'-5"	
D108	20	5	18'-0"	
D109	847	5	23'-6"	
D110	24	5	34'-9"	
D111	1036	5	28'-8"	
D112	124	6	24'-0"	
D113	6	6	5'-7"	
D114	376	5	2'-0"	
D115	8	6	9'-5"	
D116	96	5	5'-1"	
D117	16	5	29'-6"	
D118	32	5	7'-0"	
D119	16	5	29'-6"	
D120	16	5	25'-0"	
D121	372	6	2'-7"	
D122	372	6	5'-0"	L

NOTES

1. BARS INDICATED THUS 6X7-#5 D111 ARE SPACED ON LINES OF BARS WITH 7 LENGTHS PER LINE
2. SEE SHTS 14 & 15 FOR DECK DETAILS

BILL OF MATERIAL

ITEM	UNIT	QUANTITY
CLASS X CONCRETE	CU YDS	400
REINFORCEMENT BARS	LBS	98020
WATER PROOF. MEMBRANE SYSTEM	SQ. YDS.	1037
BIT CONC SURFACE COURSE, CLASS 1	TONS	90
PROTECTIVE COAT	SQ. YDS.	172
ALUMINUM RAILING	LIN. FT.	372
PREFORMED JOINT SEALER 2½"	LIN. FT.	70
PREFORMED JOINT SEALER 4"	LIN. FT.	70
STRUCTURAL STEEL (JOINT ARMOR, STUDS, ANCHORS)	LBS.	5240

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		CHECKED - DSE	REVISED -		
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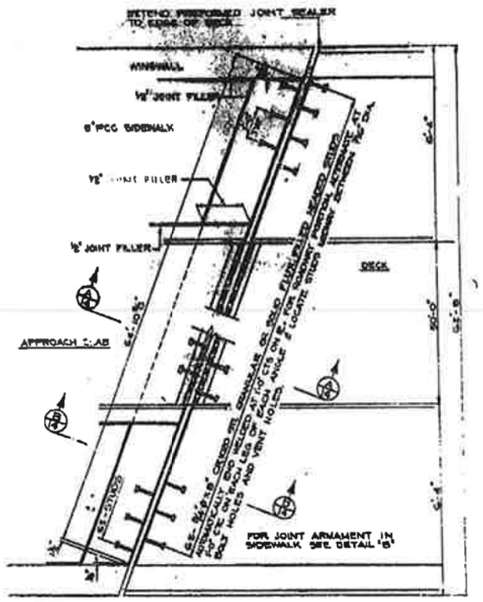
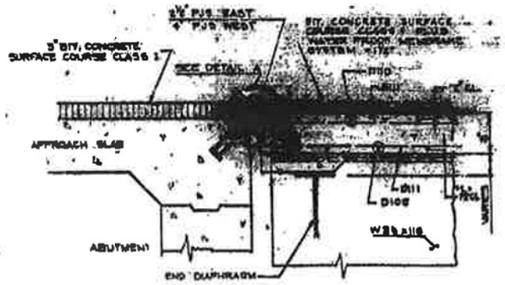
PLOT DATE =		CHECKED - 05-18-2020	REVISED -		NONE SHEET S-50 OF S-56 SHEETS

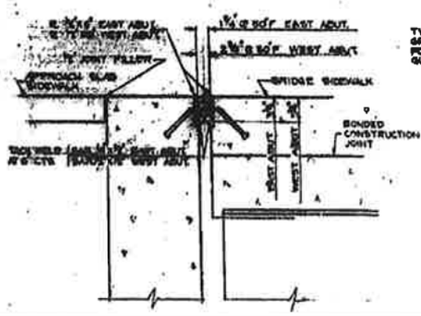
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1301	16-00278-00-BR	COOK	136	113
		CONTRACT NO. 61F92		
	ILLINOIS FED. AID PROJECT			



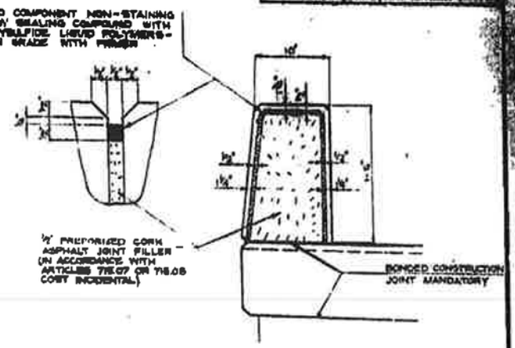
PLAN EXPANSION DEVICE
½" = 1'-0"



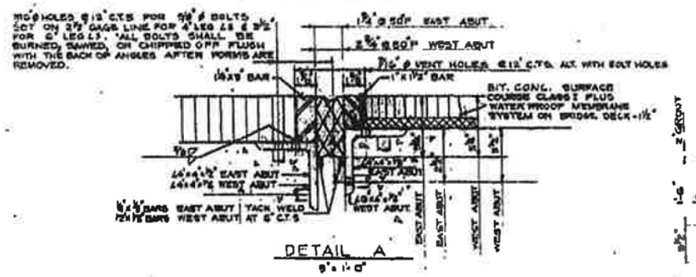
SECTION A14 A14
1" = 1'-0"



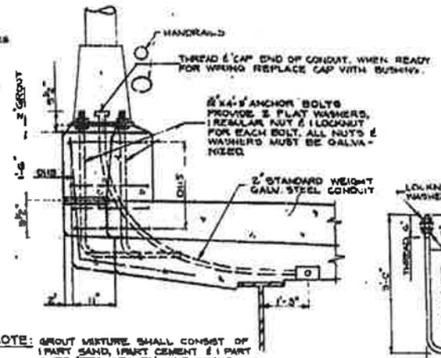
SECTION B14 B14
1" = 1'-0"

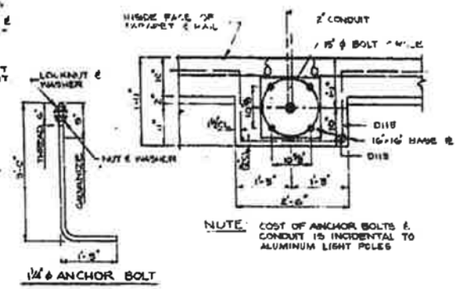


EXPANSION JOINT DETAIL
1½" = 1'-0"



DETAIL A
3" = 1'-0"

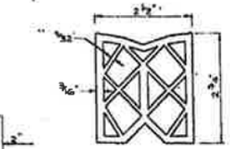


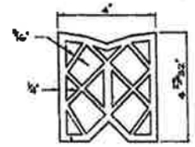


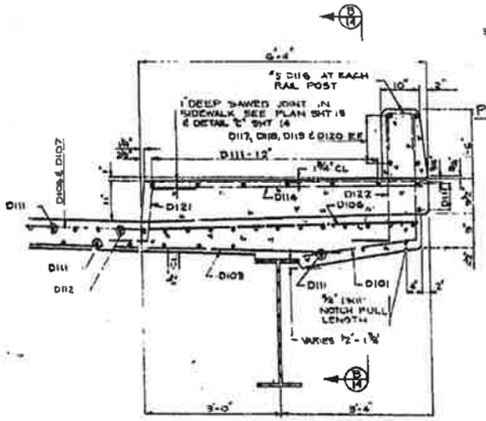
NOTE: GROUT MIXTURE SHALL CONSIST OF 1 PART SAND, 1 PART CEMENT & 1 PART CHIPS (PEA GRAVEL). THE GROUT SHALL CONTAIN WATER FOR A 7" SLUMP.

NOTE: COST OF ANCHOR BOLTS & CONDUIT IS INCIDENTAL TO ALUMINUM LIGHT POLES

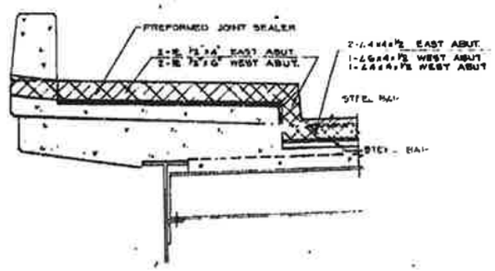
LIGHT POLE MOUNTING DETAIL
¾" = 1'-0"


PREFORMED JOINT SEALER (2½")


PREFORMED JOINT SEALER 4"



PARAPET AND SIDEWALK DETAIL
¾" = 1'-0"



DETAIL B
¾" = 1'-0"

NOTES:
1. JOINT FILLER, POLYETHELENE FOAM ROD & POLYSULFIDE SEALANT SHALL BE CONSIDERED INCIDENTAL TO CONTRACT.
2. SEE SHT 15 FOR BILL OF MATERIALS
3. SEE SHT 19 FOR LIGHTING DETAIL

RECORD PLAN
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FILE NAME: Existing Plans 13
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PIAN 13
STRUCTURE NUMBER 016-6949
NONE SHEET S-51 OF S-56 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1301	16-00278-00-BR	COOK	136	114
		CONTRACT NO. 61F92		
		ILLINOIS	FED. AID PROJECT	

3448	128-E-06	COOK	2E	17
FAU	8+86	TO STA	10+25	
FED ROAD PROJECT NO.		ILLINOIS	FEDERAL AID PROJECT	

HAND RAIL POST SPACED - 6'-0"

5 - SPACES - 30'-0"

5 - SPACES - 30'-0"

17'-10"

17'-10"

17'-10"

17'-10"

STL RAIL SPLICE @ EACH POST

TOP RAIL NOMINAL SPLICE LOCATION

BOTTOM RAIL NOMINAL SPLICE LOCATION

ALUMINUM RAIL ONLY

DRILL & TAP FOR 1/4"Ø x 3/4" STNL STL HEX HD SCREW WITH FLAT & LOCK WASHER

HAND RAIL ELEVATION

1/4" = 1'-0"

TOP RAIL CAP

4 THUS

BOTTOM RAIL CAP

4 THUS

SEC THRU BOTT RAIL

NOTE: SPLICE MUST BE SLIDING FIT IN RAIL SECTION

SEC THRU BOTT RAIL SPLICE

SEC THRU TOP RAIL

SEC THRU ELLIPTICAL RAIL SECTION

RAIL POST CLAMP BAR

TOP RAIL

BOTTOM RAIL

RAIL SPLICE

12" SPLICES

RAILS

RAILS

Ø5/8" Ø HOLES WITH 5° DRAFT (AT TOP RAIL)

Ø5/8" Ø HOLES WITH 5° DRAFT (AT BOTT RAIL)

VIEW B-B

RAIL POST DETAIL

SECTION A-A

TOP RAIL - 3" Ø STD PIPE (3.5" OD, 3.068" ID)

SPLICE - 3" O.D. TUBE .216" WALL THICKNESS

2-1/2" Ø x 1" HEX HD CAP SCREWS WITH FLAT WASHERS & LOCK WASHERS (STNL. STL.)

THESE SURFACES CAST FLAT & TRUE OR MACHINED

1/16 CLEARANCE BETWEEN POST AND RAIL

2-1/2" Ø x 1 1/2" HEX HD. CAP SCREWS WITH FLAT WASHERS & LOCK WASHERS (STNL. STL)

DRILL & TAP SPLICE 2 HOLES 1/2"-13 (13/16" Ø HOLES IN RAIL ELEMENT)

2-13/16" Ø HOLES WITH 5° DRAFT IN BASE OF POST FOR 2-3/4" Ø A325 HEX HD CAP SCREWS STD FLAT WASHERS (STNL STL)

1/8" FABRIC GEAR-ING PAD

2-3/4" Ø WELDED STUDS DRILLED & TAPPED FOR 3/4"-10 AASHO M164 (1020)

5/8" x 1 1/4" x 7"

5/8" x 4 1/2" x 8" BAR - TACK WELD TO SPLICE - DRILL & TAP 2 HOLES 1/2"-13

DRILL & TAP SPLICE (13/16" Ø HOLES IN RAIL ELEMENT) 2 HOLES 1/2"-13

2-1 1/16" Ø HOLES WITH 5° DRAFT IN BASE OF POST FOR 2-3/4" Ø A325 HEX HD CAP SCREWS STD FLAT WASHERS (STNL STL)

BASE OF POST SHALL BE SEALED WITH TWO COMPONENT NON-STAINING GRAY SEALING COMPOUND WITH POLYSULFIDE LIQUID POLYMERS - GUN GRADE WITH PRIMER

FRONT FACE OF PARAPET

2-1" Ø WELDED STUD DRILLED & TAPPED FOR 3/4"-10 AASHO M164 (1020)

1/2" x 1 1/2" x 7"

VIEW B-B

SECTION A-A

RAIL POST DETAIL

3/4"-0"

9/16" x 1 1/8" SLOTTED HOLES WITH 5° DRAFT (AT TOP RAIL)

9/16" x 1 1/8" SLOTTED HOLES WITH 5° DRAFT (AT BOTTOM RAIL)

3 1/2" OD (3.156" RAIL)

2-1/2" Ø x 1" HEX HD. CAP SCREWS WITH FLAT WASHERS & LOCK WASHERS (STNL STL)

THESE SURFACES CAST FLAT AND TRUE OR MACHINED

CLEARANCE BETWEEN POST AND RAIL

2-1/2" Ø x 2" HEX HD. CAP SCREWS WITH FLAT WASHERS & LOCK WASHERS (STNL STL)

2-1 1/16" Ø HOLES WITH 5° DRAFT IN BASE OF POST FOR 2-1 1/4" Ø x 2" HEX HD CAP SCREWS STD FLAT WASHERS (STNL STL)

5/8" x 1 1/16" BAR (STNL STL) DRILL & TAP FOR 3/4" SCAP SCREW

1/8" FABRIC GEAR-ING PAD

BASE OF POST SHALL BE SEALED WITH TWO COMPONENT NON-STAINING GRAY SEALING COMPOUND WITH POLYSULFIDE LIQUID POLYMERS-GUN GRADE WITH PRIMER

FRONT FACE OF PARAPET

2-1" Ø WELDED STUD DRILLED & TAPPED FOR 3/4"-10 AASHO M164 (1020)

2-3/4" Ø WELDED STUDS DRILLED & TAPPED FOR 3/4"-10 AASHO M164 (1020)

1/2" x 1 1/2" x 7"

VIEW B-B

SECTION A-A

RAIL POST DETAIL

3/4"-0"

5/8" DIA STNL STL DRIVE PIN 1 1/4" LONG

SEC THRU SPLICE TOP RAIL

6"-1'-0"

1/16" DIA STNL STL DRIVE 1 1/4" LG.

SPLICE MUST BE A SLIDING FIT IN RAIL SECTION

SEC. THRU SPLICE

6"-1'-0"

DRILL AND TAP FOR 1/2" (STNL STL) HEX HEAD CAP SCREWS

BEVEL CORNER (TYP. 45°, TYP.)

STEEL RAILING TYPE M

NOTES:

1. ALL POSTS SHALL BE NORMAL TO PARAPET
2. PROVIDE 1/16" AND 2 1/16" SHIMS FOR 25% OF THE POSTS. RAIL ELEMENTS SHALL BE PARALLEL TO THE GRADE LINE. SPOTS SHALL BE GROUND AND LOW SPOTS SHIMMED PACK. ALUMINUM OR GALVANIZED SHEET STEEL SHIM STOCK WILL BE ACCEPTABLE.
3. SEE SHEET 13 FOR QUANTITIES AND SHEET 14 FOR REINFORCEMENT BAR DETAILS.

ALUMINUM RAILING

4. ALUMINUM RAILING SHALL BE IN ACCORDANCE WITH SECTION 508 OF THE STANDARD SPECIFICATIONS, EXCEPT AS NOTED, AND SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER LINEAR FOOT FOR ALUMINUM RAILING, TYPE L.
5. ALUMINUM RAIL SHALL CONFORM TO ASTM B221 ALLOY 6061-T6 OR A91-T8 WITH MIN. YIELD 35 KSI MIN. TENSILE 38 KSI AND ELONGATION OF 10% IN 2 INCHES.
6. ALUMINUM RAILING SHALL BE SUPPLIED IN MAXIMUM LENGTHS OF 40 FT EXCEPT AT THE ENDS OF SPANS AS SHOWN. ALL JOINTS SHALL BE SPLICED PER DETAIL.

STEEL RAILING

7. STEEL RAILING TYPE M MAY BE USED AT THE OPTION OF THE CONTRACTOR.
8. RAILING SHALL BE IN ACCORDANCE WITH SECTION 508 OF THE STANDARD SPECIFICATIONS EXCEPT AS NOTED AND SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER LINEAR FOOT FOR STEEL RAILING, TYPE M.
9. ALL POSTS SHALL BE MALLEABLE CAST IRON CONFORMING TO ARTICLE 1006.15 OF THE STANDARD SPECIFICATIONS GALVANIZED TO AASHTO M111.
10. ALL RAIL ELEMENTS SHALL CONFORM TO APPLICABLE REQUIREMENTS OF ASTM A 53, GRADE B (PIPE OR TUBE) GALVANIZED TO ASTM A-123.
11. IF ANY OF THE GALVANIZING COAT IS DAMAGED OR REMOVED DURING ERECTION, THE AFFECTED AREA SHALL BE PAINTED WITH ONE COAT OF ZINC PAINT IN ACCORDANCE WITH MILITARY SPECIFICATION MIL-P-26915 TYPE II AIR-DRY GRADE.
12. RAIL TUBING SHALL BE SUPPLIED IN 8 FOOT SECTIONS AND SPLICED AT EACH POST AS SHOWN.

RAIL SPLICE

ALUMINUM RAILING TYPE L

RECORD PLAN
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FILE NAME: Existing Plans 14

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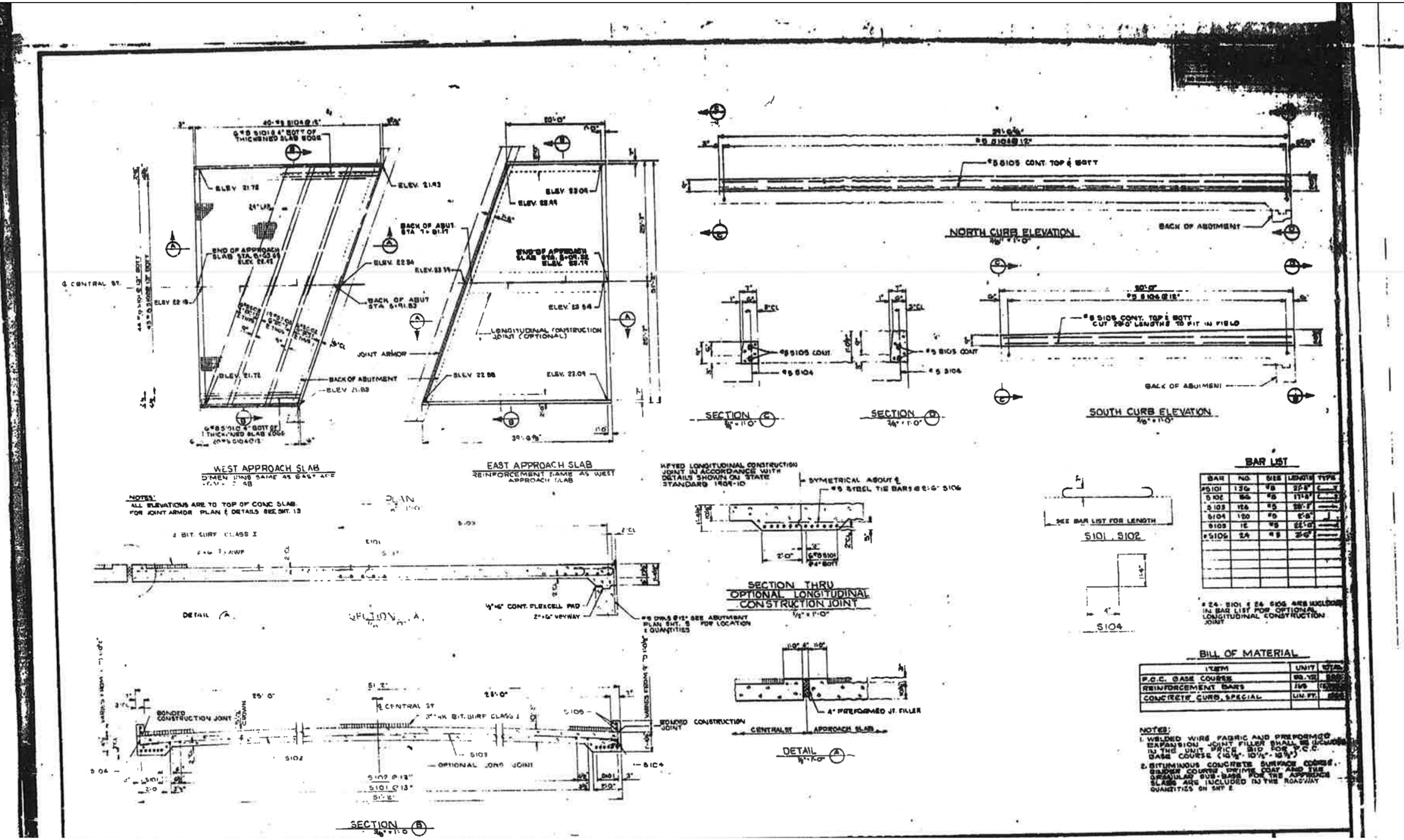
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1301	16-00278-00-BR	COOK	136	115
		CONTRACT NO. 61F92		
		ILLINOIS	FED. AID PROJECT	



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FILE NAME: Existing Plans 15

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PLOT SCALE =	DRAWN - RTT	REVISED -		
PLOT DATE =	CHECKED - 05-18-2020	REVISED -		NONE SHEET S-53 OF S-56 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1301	16-00278-00-BR	COOK	136	116
		CONTRACT NO. 61F92		
		ILLINOIS FED. AID PROJECT		

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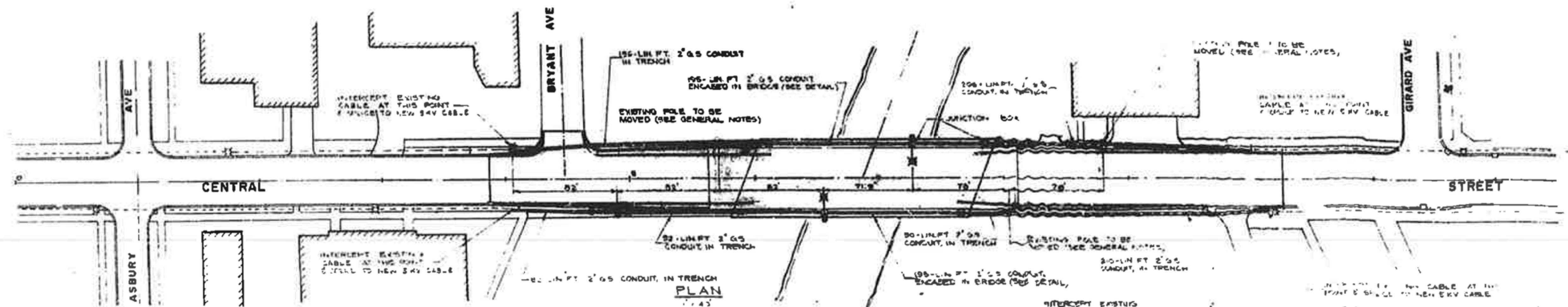
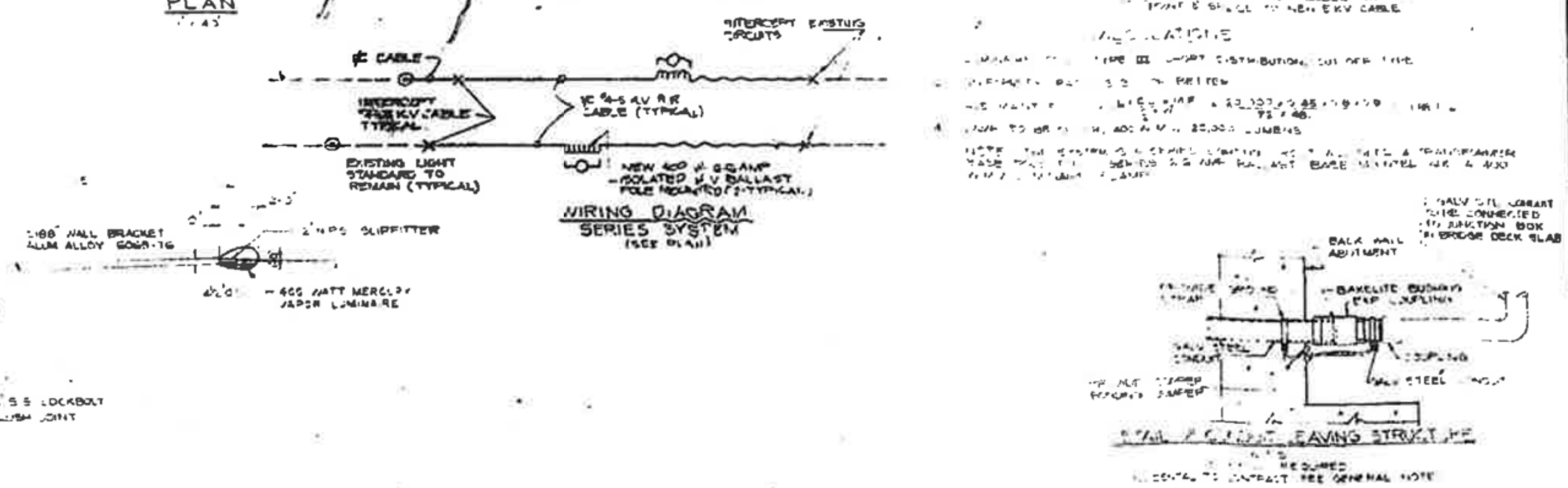
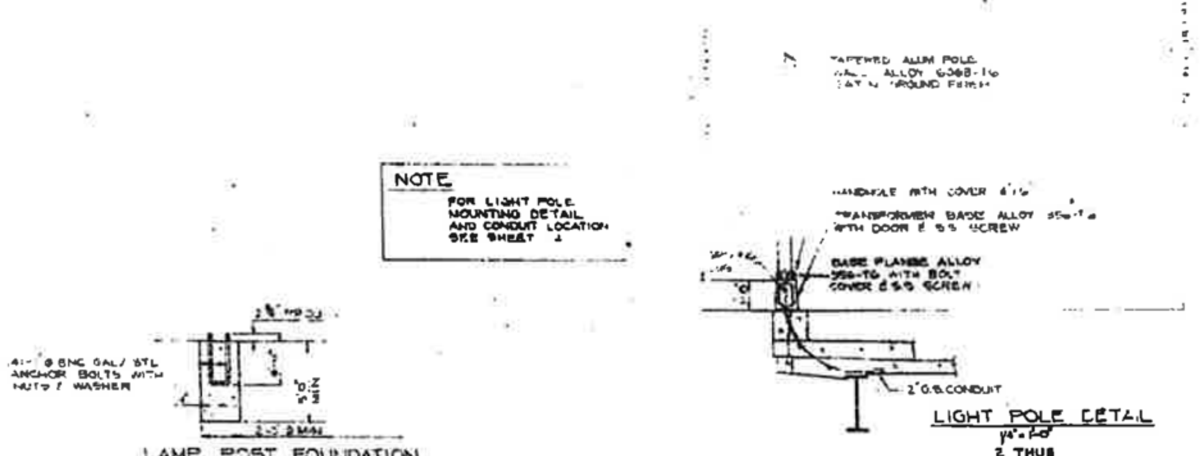


BILL OF MATERIALS

ITEM	UNIT	QUANT	CODE NO
G.S CONDUIT, ENCASED IN BRIDGE, 2"	LIN FT	390	
G.S CONDUIT, IN TRENCH, 2"	LIN FT	820	5 25004
TRENCH AND BACKFILL	LIN FT	820'	5 37001
ALUMINUM POLE WITH 15' DAVIT ARM (30' MTG HT)	EACH	2	
400 W MERCURY VAPOR LUMINAIRE, TYPE III, INCLUDING LAMP WITHOUT BUILT IN BALLAST	EACH	2	
CONCRETE FOUNDATION REMOVAL	EACH	5	5 50031
FOUNDATION FOR METAL POLES	EACH	5	
RELOCATE EXISTING METAL POLES WITH LAMP	EACH	5	
6.6 AMP SERVICE TRANSFORMER	EACH	2	
1/C #4-5 K.V CABLE, TYPE R.R	LIN FT	1224	



NOTE
FOR LIGHT POLE MOUNTING DETAIL AND CONDUIT LOCATION SEE SHEET 4



GENERAL NOTES

1. THE LIGHTING CONTRACTOR SHALL BE RESPONSIBLE FOR [illegible] THAT ARE DAMAGED OR OTHERWISE DESTROYED DURING HIS OPERATIONS SHALL BE PAID BY THE CONTRACTOR AND NO EXTRA COMPENSATION SHALL BE ALLOWED.
2. PRIOR TO BEGINNING CONSTRUCTION THERE SHALL BE A PRECONSTRUCTION MEETING BETWEEN THE LIGHTING ENGINEER, BRIDGE CONTRACTOR & LIGHTING CONTRACTOR.
3. WHERE NEW WORK CONNECTS TO EXISTING WORK, THE CONTRACTOR SHALL DO ALL NECESSARY CUTTING AND FITTING TO THE EXISTING WORK, AND SHALL REMOVE ALL EXISTING [illegible] AS REQUIRED TO MAKE SATISFACTORY CONNECTIONS WITH THE WORK TO BE PERFORMED UNDER THIS CONTRACT, SO AS TO LEAVE THE ENTIRE WORK IN A FINISHED AND WORKMANLIKE MANNER AS APPROVED BY THE ENGINEER.
THE CONTRACTOR SHALL FURNISH ALL LABOR AND MATERIAL TO THE FURTHERANCE OF THIS END, WHETHER OR NOT DISTINCTLY SHOWN IN THE PLANS OR IN THE SPECIAL PROVISIONS. ALL SUCH WORK SHALL BE CONSIDERED INCIDENTAL TO THIS SECTION UNLESS SPECIFICALLY SHOWN IN THE SUMMARY OF QUANTITIES.
4. THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE EXISTENCE OF ONE OR MORE CONSTRUCTION SECTIONS OTHER THAN THIS SECTION, WHICH INCLUDE, ENTIRELY OR PARTIALLY, THE PORTIONS OF THE BRIDGE THAT WILL BE CONSTRUCTED. THE WORK TO BE ACCOMPLISHED UNDER THE OTHER SECTION MAY INCLUDE, BUT IS NOT LIMITED TO GRADING, PAVING, DRAINAGE, RESURFACING, CURB & GUTTER CONSTRUCTION, BRIDGE CONSTRUCTION, SIGN ERECTION, AND SOME UTILITY RELOCATION.
THE CONTRACTOR FOR THIS SECTION SHALL COOPERATE WITH THE OTHER CONTRACTOR IN THE STAGING AND PERFORMANCE OF HIS OPERATIONS SO AS NOT TO DELAY, INTERRUPT, OR HINDER THE PROGRESS OR COMPLETION OF THE OTHER SECTION. THIS COOPERATION SHALL BE IN ACCORDANCE WITH THE "STANDARD SPECIFICATION FOR ROAD AND BRIDGE CONSTRUCTION" STATE OF ILLINOIS DATED JULY 1, 1975.
ALL COSTS INCURRED BY THE CONTRACTOR IN THE FULFILLMENT OF THIS COOPERATION WILL NOT BE PAID FOR DIRECTLY, BUT SHALL BE CONSIDERED AS INCIDENTAL TO THE WORK OF THIS SECTION.
5. THERE ARE [illegible] EXISTING STREET LIGHTING POLES ON THIS SECTION THAT SHALL BE RELOCATED [illegible] BEHIND PROPOSED CURB AND GUTTER AS SHOWN ON PLAN OR AS DIRECTED BY THE ENGINEER.
6. THE TEMPORARY STREET LIGHTING SYSTEM SERIES NOT SHOWN ON THIS PLAN SHALL BE INSTALLED & MAINTAINED BY THE CITY OF EVANSTON.
7. ALL NECESSARY 5KV CABLE SPLICES SHALL NOT BE PAID FOR DIRECTLY, BUT SHALL BE CONSIDERED INCIDENTAL TO THE COST OF THE 1/C #4-5 K.V. TYPE RR CABLE.
8. ALL JUNCTION BOXES SHOWN AND COUPLINGS NEEDED AT JOINTS SHALL NOT BE PAID FOR DIRECTLY, BUT SHALL BE CONSIDERED INCIDENTAL TO AND INCLUDED IN THE CONTRACT UNIT PRICE FOR "G.S CONDUIT, ENCASED IN BRIDGE, 2"" SEE PLAN.

RECORD PLAN
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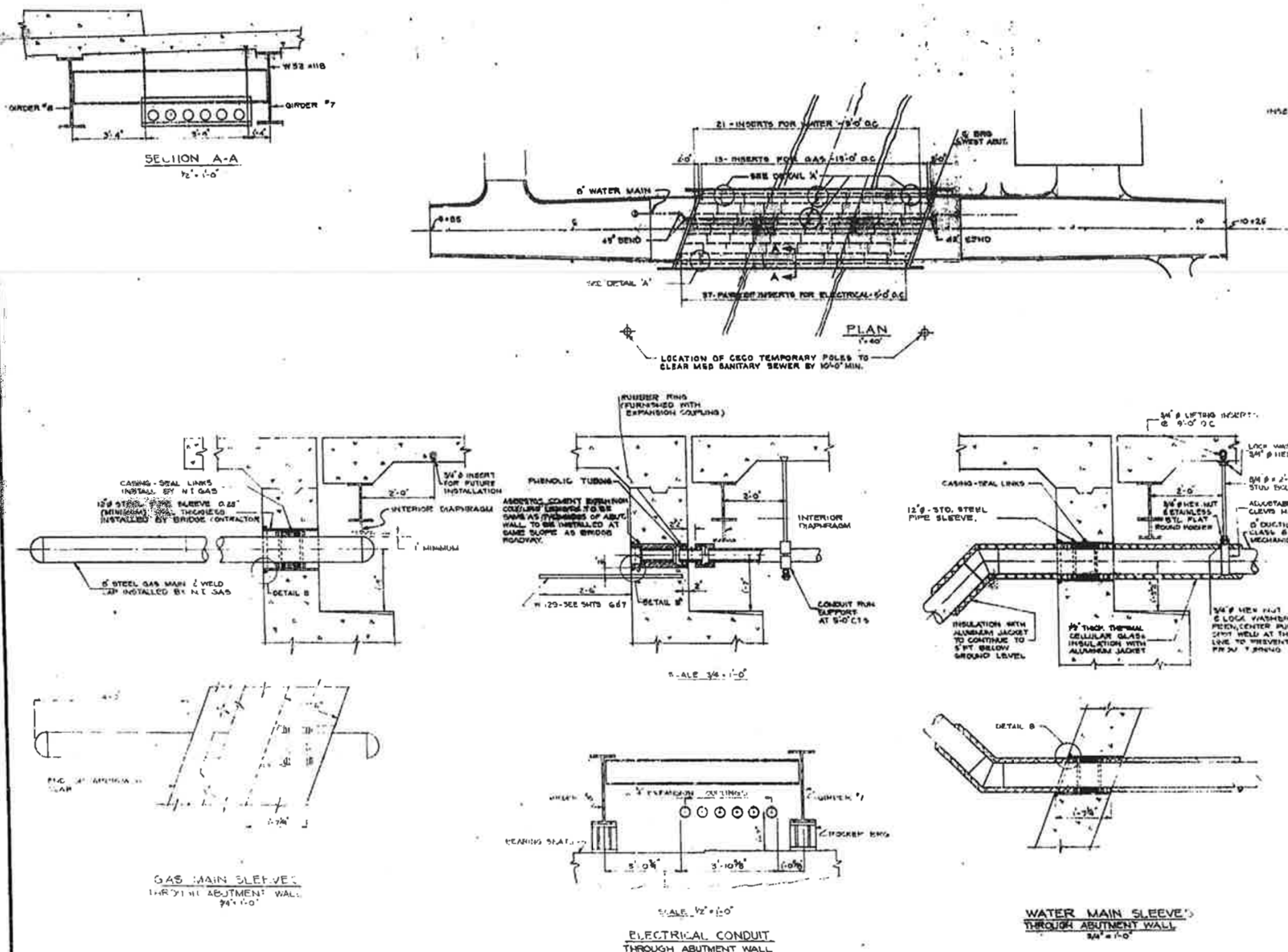

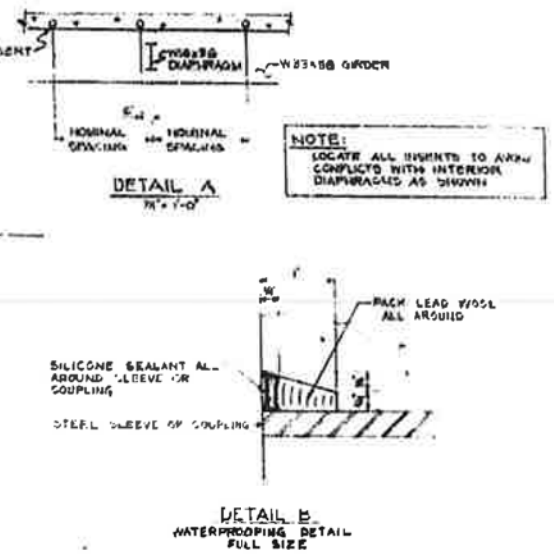

BILL OF MATERIAL

ITEM	UNIT	QUANT.
INSTALL INSERTS (FOR ELECTRICAL CONDUITS)	L. SUM	1
INSTALL EXPANSION COUPLINGS (FOR ELECTRICAL CONDUITS)	L. SUM	1
FURNISH AND INSTALL INSERTS (FOR GAS MAIN)	L. SUM	
FURNISH AND INSTALL 12" STEEL PIPE SLEEVE (FOR GAS MAIN)	L. SUM	1
DUCTILE IRON WATER MAIN, LOCKED MECHANICAL JOINT 8"	L. SUM	1

NOTES

1. INSERTS AND EXPANSION COUPLINGS FOR ELECTRICAL CONDUIT ARE TO BE FURNISHED BY COMMONWEALTH EDISON CO. AND INSTALLED BY THE BRIDGE CONTRACTOR. COMMONWEALTH EDISON CO. CONTRACTOR WILL FURNISH AND INSTALL ALL OTHER ELECTRICAL ITEMS.
2. THE CONTRACTOR WILL FURNISH AND INSTALL THE INSERTS AND THE 12" STEEL PIPE SLEEVES FOR THE GAS MAIN. N.I. GAS CO. WILL FURNISH AND INSTALL APPROXIMATELY 80 FEET OF GAS MAIN FOR FUTURE USE INCLUDING THE CASING SEAL LINKS AT ABUTMENTS.
3. THE CONTRACTOR WILL FURNISH AND INSTALL 8" DIAMETER DUCTILE IRON PIPE - CLASS 8 FROM RELOCATED VALVE VAULT M 23 TO ADJUSTED VALVE VAULT M 56 AS SHOWN ON PLANS. THE 12" STEEL PIPE SLEEVES AND CASING SEAL LINKS THROUGH ABUTMENTS, ALL INSERTS, HANGERS, INSULATION & FITTINGS ARE INCIDENTAL TO THE COST OF 8" WATER MAIN.
4. THE CONTRACTOR WILL COORDINATE ALL WORK RELATED TO UTILITIES WITH COMMONWEALTH EDISON CO., NORTHERN ILLINOIS GAS CO., AND CITY OF EVANSTON WATER DEPT. AS APPLICABLE.

RECORD PLAN
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	CHECKED - DSE	REVISED -			TOTAL SHEETS 136	SHEET NO. 118	CONTRACT NO. 61F92
PLOT SCALE =	DRAWN - RTT	REVISED -					
PLOT DATE =	CHECKED - 05-18-2020	REVISED -		NONE — SHEET S-55 OF S-56 SHEETS	ILLINOIS	FED. AID PROJECT	

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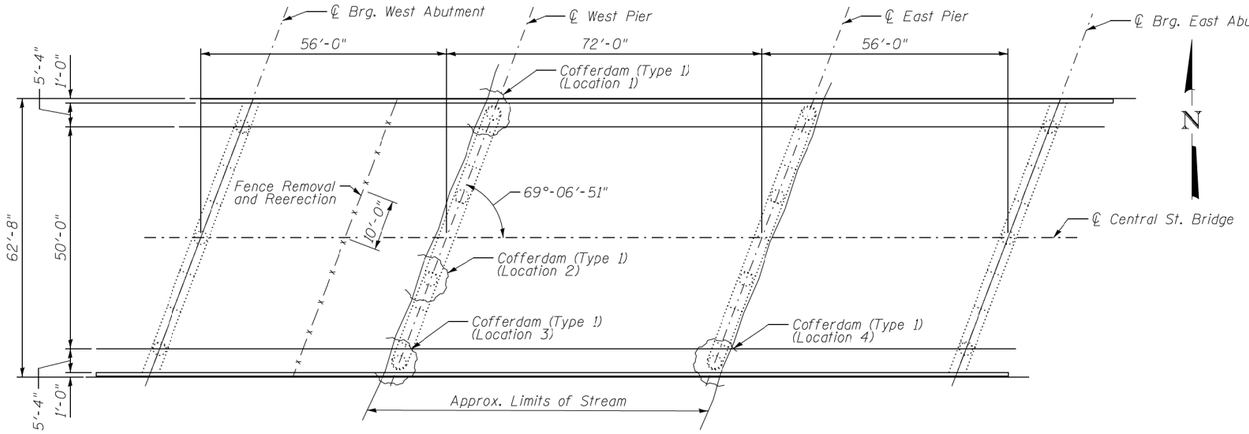
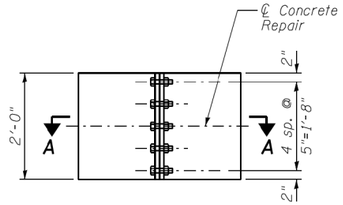
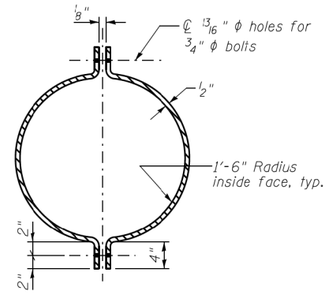


PLAN



STEEL COLLAR TYPE I DETAIL



SECTION A-A

GENERAL NOTES:

1) Structural Steel to be AASHTO M270, Grade 36.

2) Fasteners shall be ASTM A325 Type 1, Mechanically Galvanized. Bolts 3/4" ϕ in 13/16" ϕ holes, unless otherwise noted.

3) Temporary Shoring shall be designed for a Dead Load of 211 kips (unfactored) and a Live Load of 37 kips (unfactored) if the Westbound half of the bridge is closed to traffic during repair of the North Column of the West Pier.

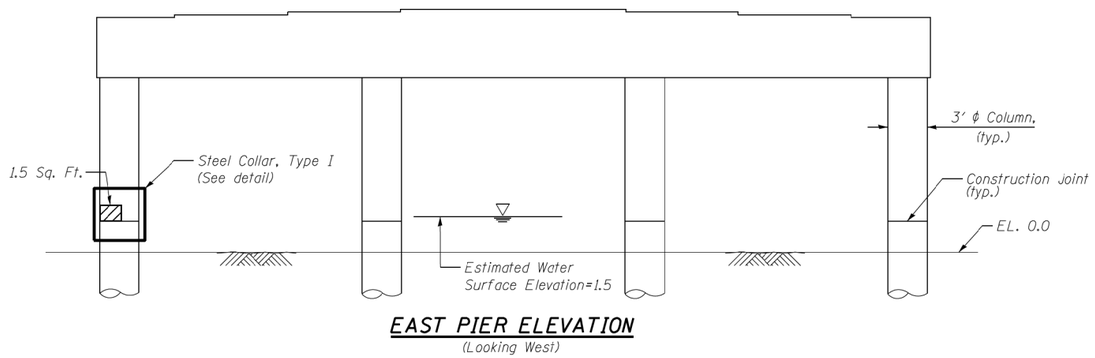
4) Steel Collars shall be galvanized according to AASHTO M111.

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

6) Contractor shall attempt to prevent debris from being deposited into channel. Contractor shall remove any material deposited in the channel and restore any existing ground disturbed during construction of the shoring. Any associated costs shall be included with cost of temporary shoring.

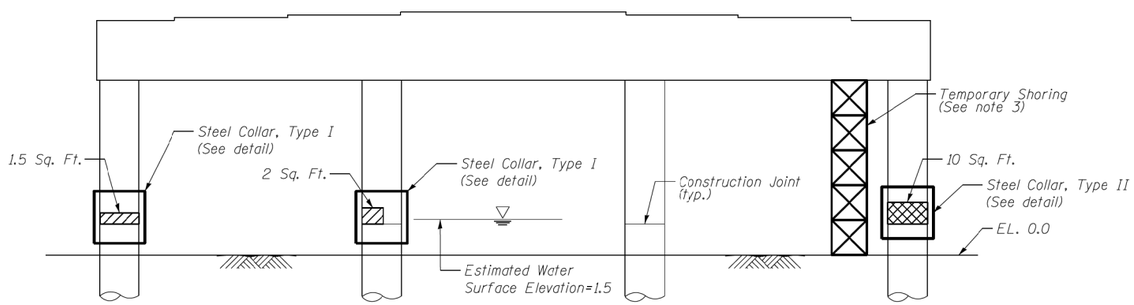
7) Due to emergency basis of repair, Army Corps permit is not anticipated.

8) Contractor is to ensure proper consolidation of concrete around the existing rebar.



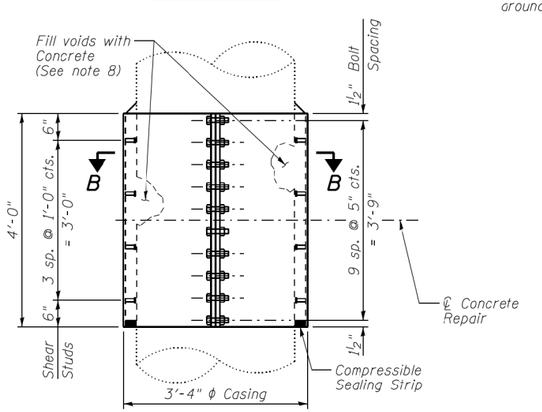
EAST PIER ELEVATION

(Looking West)

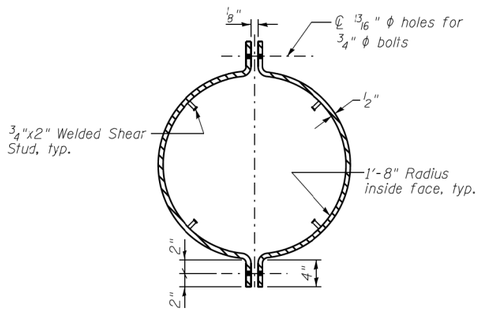


WEST PIER ELEVATION

(Looking West)



STEEL COLLAR TYPE II DETAIL



SECTION B-B

LEGEND:

- Structural Repair of Concrete (Depth equal to or less than 5")
- Structural Repair of Concrete (Depth greater than than 5")

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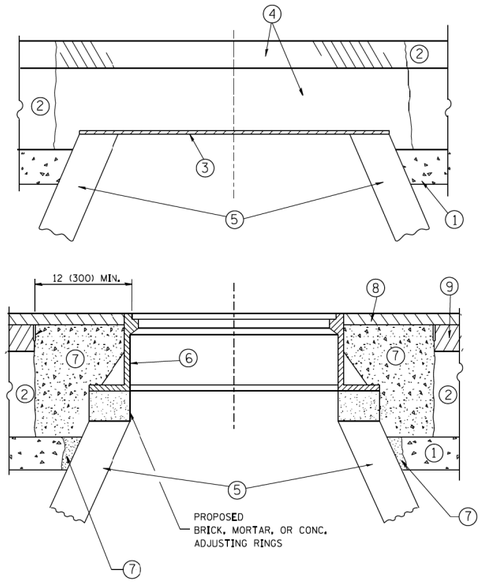
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REHABILITATION PLAN
STRUCTURE NUMBER 016-6949
NONE SHEET S-56 OF S-56 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1301	16-00278-00-BR	COOK	136	119
		CONTRACT NO. 61F92		
	ILLINOIS FED. AID PROJECT			



NOTES:

EXISTING BROKEN FRAMES AND LIDS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AND SHALL BE REPLACED AS DIRECTED BY THE ENGINEER. REPLACEMENT FRAMES AND LIDS WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS UNLESS A SEPARATE PAY ITEM HAS BEEN PROVIDED.

IF THE EXISTING LIDS ARE OPEN, THE FRAME WILL BE ADJUSTED TO THE ELEVATION OF THE MILLED PAVEMENT SURFACE PRIOR TO THE MILLING OPERATION. THE FRAME WILL NOT BE REMOVED AND COVERED BY THE METAL PLATE.

CITY OF CHICAGO CASTINGS ARE THE PROPERTY OF THE CITY AND THE CONTRACTOR SHALL NOTIFY THE CITY FOR REMOVAL AND DISPOSITION OF THE CASTINGS.

THE METAL PLATE USED TO COVER THE STRUCTURE SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.

WHEN STRUCTURES ARE TO BE ADJUSTED OR RECONSTRUCTED, THE LOWERING AND RAISING OF THE FRAMES AND LIDS WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE COST OF THE CORRESPONDING PAY ITEM.

CONSTRUCTION PROCEDURES

STAGE 1 (BEFORE PAVEMENT MILLING)

A) REMOVE A MINIMUM OF 12 (300) OF THE PAVEMENT FROM AROUND THE STRUCTURE.
B) REMOVE THE EXISTING FRAME AND LID FROM THE STRUCTURE.
C) COVER THE STRUCTURE OPENING WITH A 36 (900) DIAMETER METAL PLATE.
D) BACKFILL WITH CRUSHED STONE AND A MINIMUM 1½ (40) THICK HMA SURFACE MIX APPROVED BY THE ENGINEER.

STAGE 2 (AFTER PAVEMENT MILLING)

A) REMOVE THE HMA SURFACE MIX AND CRUSHED STONE.
B) INSTALL THE FRAME AND LID; ADJUST THE FRAME TO ITS FINAL SURFACE ELEVATION.
C) THE SURROUNDING SPACE SHALL BE FILLED WITH CLASS PP-1* CONCRETE TO THE ELEVATION OF THE SURFACE OF THE EXISTING BASE COURSE OR THE BINDER COURSE.

* UNLESS OTHERWISE SPECIFIED IN THE PLANS.

THE PROCEDURE EXPLAINED ABOVE SHALL CONFORM TO THE APPLICABLE PORTIONS OF SECTIONS 353, 406, 602, AND 603 OF THE STANDARD SPECIFICATIONS EXCEPT THAT "THE CONTRACTOR SHALL ADJUST THE STRUCTURES TO THE FINISHED PAVEMENT ELEVATION NO MORE THAN 5 CALENDAR DAYS PRIOR TO PLACEMENT OF THE FINAL LIFT OF SURFACE UNLESS APPROVED BY THE ENGINEER."

LEGEND

1. SUB-BASE GRANULAR MATERIAL
2. EXISTING PAVEMENT
3. 36 (900) DIAMETER METAL PLATE
4. PROPOSED CRUSHED STONE AND HMA SURFACE MIX
5. EXISTING STRUCTURE
6. FRAME AND LID (SEE NOTES)
7. CLASS PP-1* CONCRETE
8. PROPOSED HMA SURFACE COURSE
9. PROPOSED HMA BINDER COURSE

LOCATION OF STRUCTURES:

THE CONTRACTOR WILL BE REQUIRED TO KEEP A RECORD OF THE LOCATIONS OF THE BURIED STRUCTURES ACCORDING TO THE STATION AND DISTANCE LEFT OR RIGHT OF THE CENTERLINE OF PAVEMENT. UPON COMPLETION OF THE WORK, THE CONTRACTOR WILL DELIVER THE RECORD TO THE ENGINEER.

BASIS OF PAYMENT:

REMOVING FRAMES AND LIDS ON DRAINAGE AND UTILITY STRUCTURES IN THE PAVEMENT PRIOR TO MILLING, AND ADJUSTING TO FINAL GRADE PRIOR TO PLACING THE SURFACE COURSE, WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR "FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)."

THIS WORK WILL NOT BE PAID FOR WHEN DRAINAGE AND UTILITY STRUCTURES ARE SPECIFIED FOR PAYMENT AS STRUCTURE RECONSTRUCTION.

NEW FRAMES AND LIDS, WHEN SPECIFIED, WILL BE PAID FOR SEPARATELY.

DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING

MODEL: Default
FILE NAME: D1 Std Detail Details for Frames and Lids Adjustment with Milling

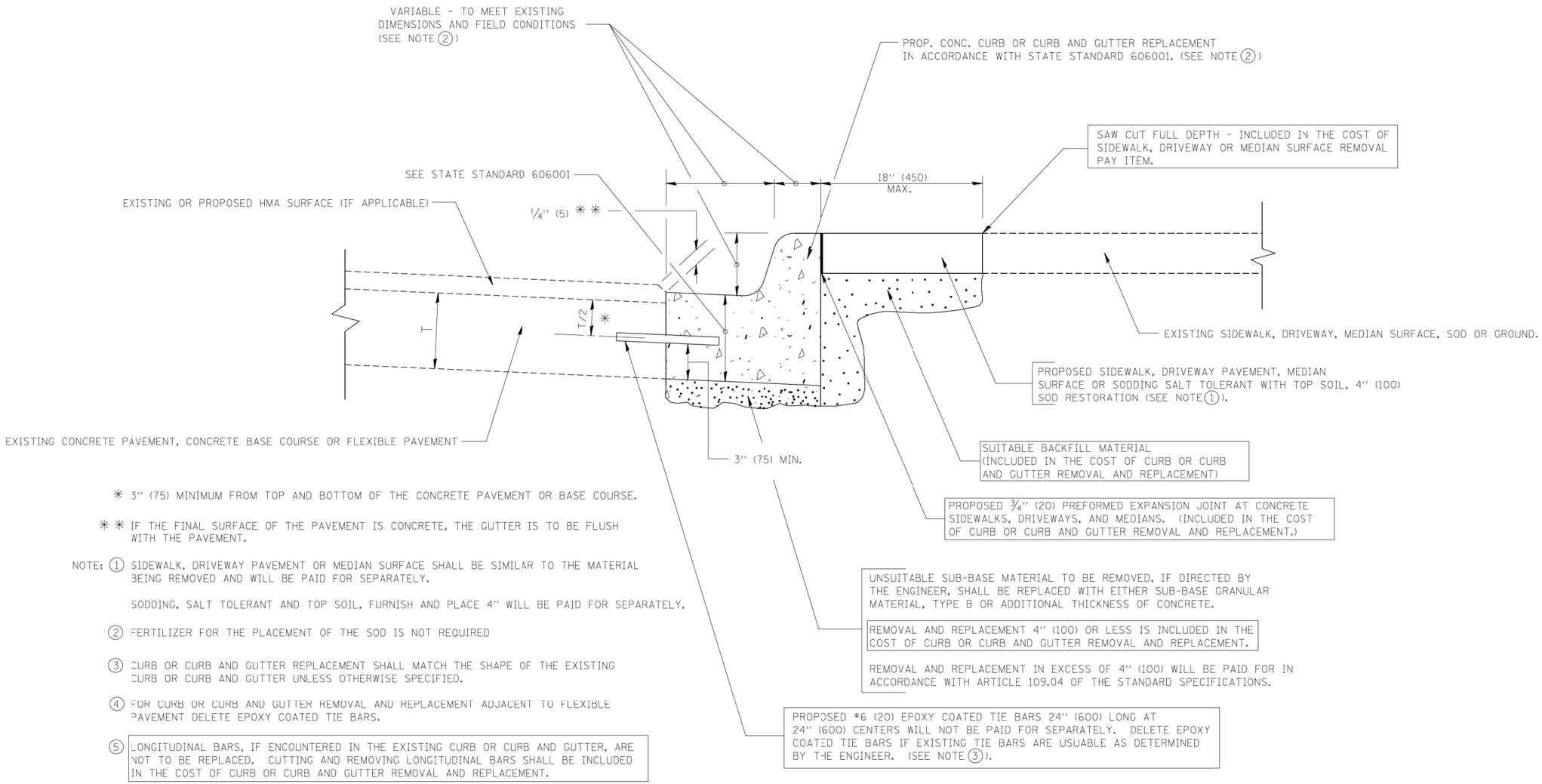
USER NAME = 9695	DESIGNED -	REVISED -
	DRAWN - CEG	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - PAS	REVISED -
PLOT DATE = 5/13/2020	DATE - 05-18-2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CENTRAL STREET BRIDGE
DISTRICT 1 STANDARD DETAIL

SCALE: NONE | SHEET 1 OF 15 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1301	16-00278-00-BR	COOK	136	120
		CONTRACT NO. 61F92		
	ILLINOIS	FED. AID PROJECT		



* 3" (75) MINIMUM FROM TOP AND BOTTOM OF THE CONCRETE PAVEMENT OR BASE COURSE.

* * IF THE FINAL SURFACE OF THE PAVEMENT IS CONCRETE, THE GUTTER IS TO BE FLUSH WITH THE PAVEMENT.

NOTE: (1) SIDEWALK, DRIVEWAY PAVEMENT OR MEDIAN SURFACE SHALL BE SIMILAR TO THE MATERIAL BEING REMOVED AND WILL BE PAID FOR SEPARATELY.

SODDING, SALT TOLERANT AND TOP SOIL, FURNISH AND PLACE 4" WILL BE PAID FOR SEPARATELY,

(2) FERTILIZER FOR THE PLACEMENT OF THE SOD IS NOT REQUIRED

(3) CURB OR CURB AND GUTTER REPLACEMENT SHALL MATCH THE SHAPE OF THE EXISTING CURB OR CURB AND GUTTER UNLESS OTHERWISE SPECIFIED.

(4) FOR CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT ADJACENT TO FLEXIBLE PAVEMENT DELETE EPOXY COATED TIE BARS.

(5) LONGITUDINAL BARS, IF ENCOUNTERED IN THE EXISTING CURB OR CURB AND GUTTER, ARE NOT TO BE REPLACED. CUTTING AND REMOVING LONGITUDINAL BARS SHALL BE INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.

(6) THE COST OF HMA SURFACE REMOVAL IN THE EXISTING GUTTER FLAG SHALL BE INCLUDED IN THE COST OF THE CURB AND GUTTER REMOVAL AND REPLACEMENT.

(7) THE REMOVAL AND REPLACEMENT OF THE EXISTING CURB OR CURB AND GUTTER SHALL BE DONE IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF SECTION 440 AND 606 OF THE STANDARD SPECIFICATIONS.

(8) THE LOCATIONS OF REMOVAL AND REPLACEMENT OF EXISTING CURB OR CURB AND GUTTER SHALL BE DETERMINED BY THE RESIDENT ENGINEER AT THE TIME OF CONSTRUCTION.

BASIS OF PAYMENT:

THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER FOOT (METER) FOR "CURB REMOVAL AND REPLACEMENT" OR "COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT".

CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

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

MODEL: Default
FILE NAME: D1 Std Detail Curb Rem and Rep

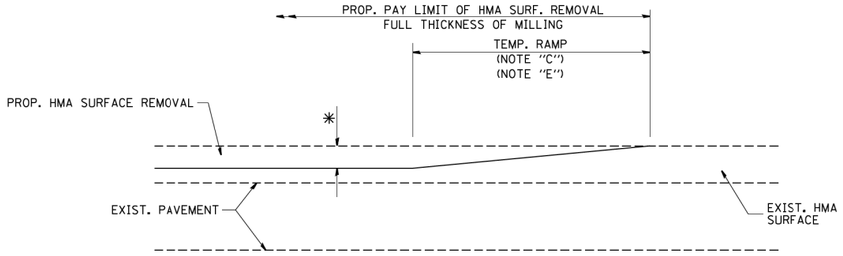
USER NAME = 9695	DESIGNED -	REVISED -
	DRAWN - CEG	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - PAS	REVISED -
PLOT DATE = 5/13/2020	DATE - 05-18-2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CENTRAL STREET BRIDGE
DISTRICT 1 STANDARD DETAIL

SCALE: NONE | SHEET 2 OF 15 SHEETS | STA. | TO STA.

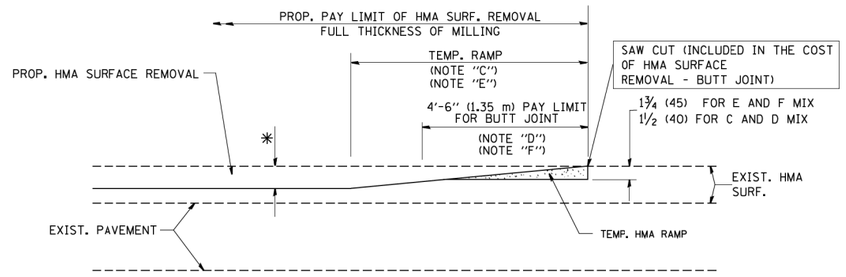
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1301	16-00278-00-BR	COOK	136	121
		CONTRACT NO. 61F92		
	ILLINOIS FED. AID PROJECT			



MILLED TEMPORARY RAMP

(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 1

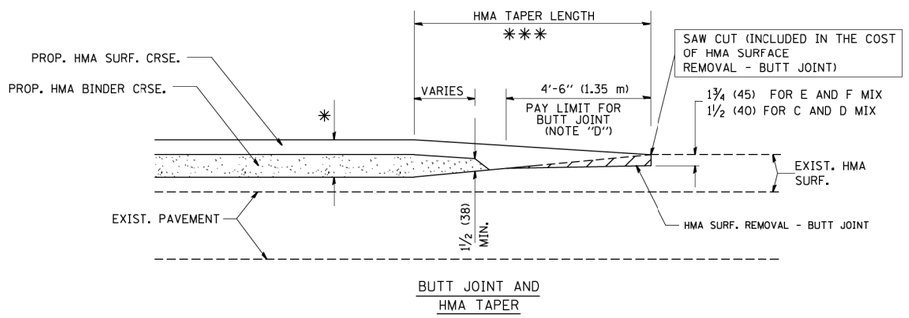


HMA CONSTRUCTED TEMPORARY RAMP

(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

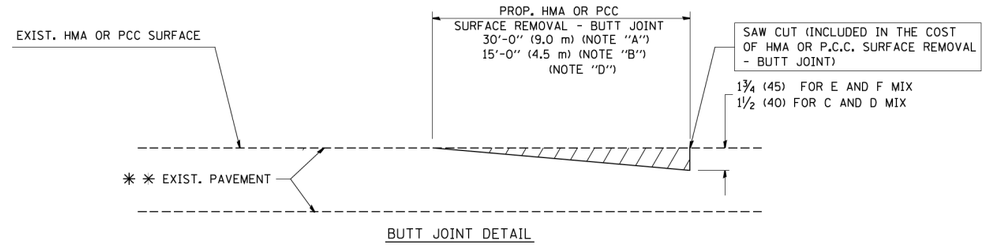
OPTION 2

TYPICAL TEMPORARY RAMP

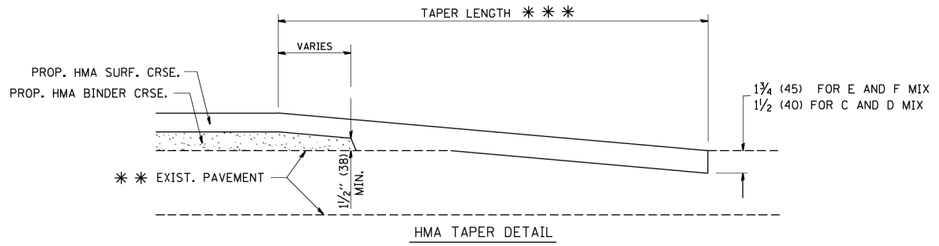


BUTT JOINT AND HMA TAPER

TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING



BUTT JOINT DETAIL



HMA TAPER DETAIL

TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY

* * PC CONCRETE, HMA OR HMA RESURFACED PAVEMENT.

NOTES

A: MAINLINE ROADWAYS AND MAJOR SIDE ROADS.

B: MINOR SIDE ROADS.

C: THE TEMP. RAMP SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING HMA SURFACE.

D: THE BUTT JOINT SHALL BE CONSTRUCTED IMMEDIATELY PRIOR TO PLACING THE PROPOSED HMA COURSES.

E: TAPER THE TEMP. RAMP AT A RATE OF 3'-0" (900 mm) PER 1 INCH (25 mm) OF MILLING THICKNESS.

F: INSTALLATION AND REMOVAL OF THE 4'-6" (1.35 m) TEMP. RAMP IS INCLUDED IN COST OF HMA SURFACE REMOVAL - BUTT JOINT

G: SEE ARTICLE 406.08 AND 406.14 OF THE STANDARD SPECIFICATIONS FOR "HMA AND/OR PCC SURFACE REMOVAL, BUTT JOINT".

* SEE TYPICAL SECTIONS FOR MILLING THICKNESS.

* * * 20'-0" (6.1 m) PER 1 (25) RESURFACING (NOTE "A")
10'-0" (3.0 m) PER 1 (25) RESURFACING (NOTE "B")

BASIS OF PAYMENT:

THE BUTT JOINT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD (SQUARE METER) FOR "HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT" OR FOR "PORTLAND CEMENT CONCRETE SURFACE REMOVAL- BUTT JOINT".

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

MODEL: Default
FILE NAME: D1 Std Detail HMA Butt Joint

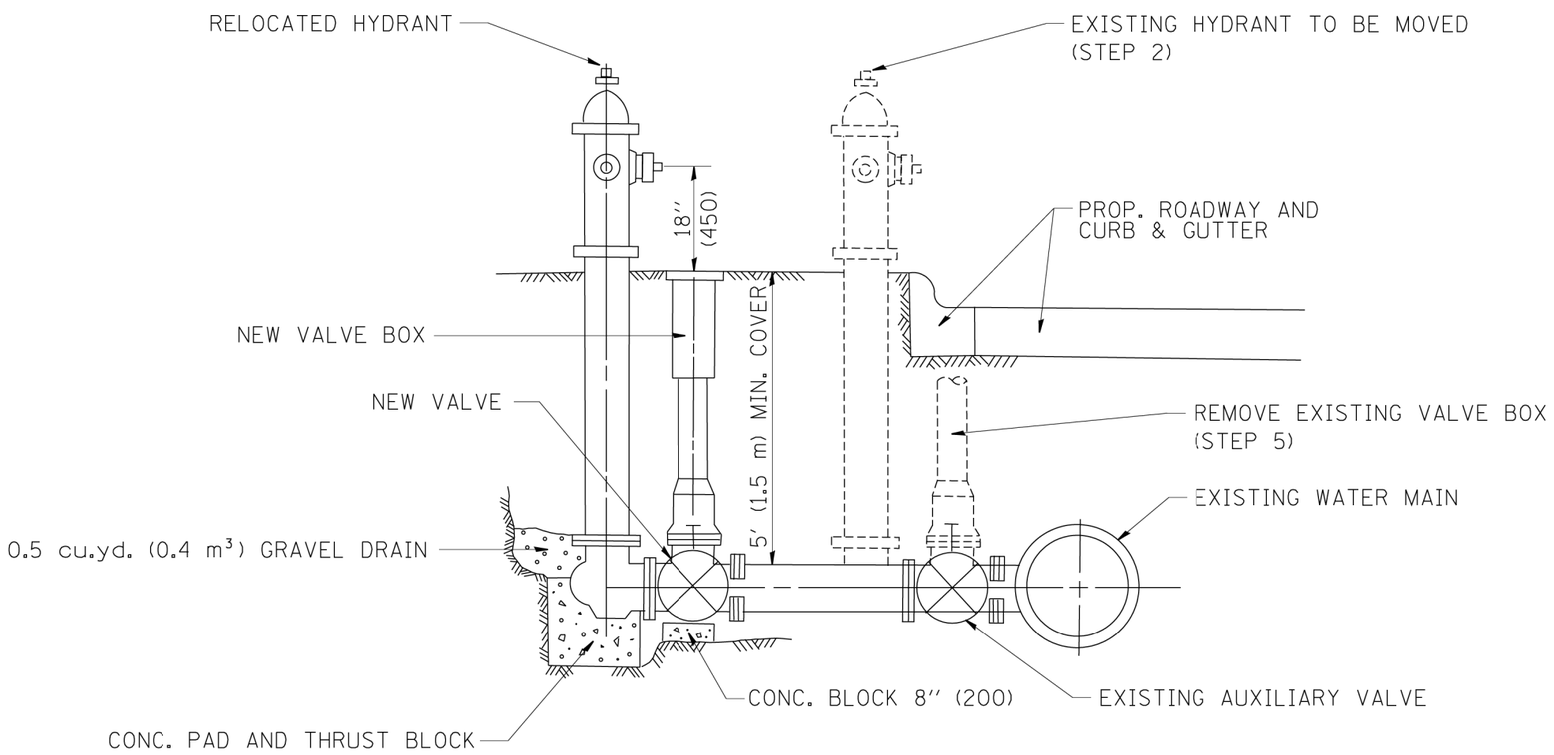
USER NAME = 9695	DESIGNED -	REVISED -
	DRAWN - CEG	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - PAS	REVISED -
PLOT DATE = 5/13/2020	DATE - 05-18-2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CENTRAL STREET BRIDGE
DISTRICT 1 STANDARD DETAIL

SCALE: NONE | SHEET 3 OF 15 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1301	16-00278-00-BR	COOK	136	122
		CONTRACT NO. 61F92		
	ILLINOIS FED. AID PROJECT			



SEQUENCE OF CONSTRUCTION:

1. CLOSE EXISTING VALVE.
2. REMOVE EXISTING HYDRANT.
3. INSTALL HYDRANT EXTENSION AND NEW VALVE.
4. RELOCATE EXISTING HYDRANT.
5. OPEN EXISTING VALVE, REMOVE BOX.
6. BACKFILL.
7. FLUSH AND TEST FOR CHLORIDE RESIDUAL AND PROVIDE TEST.

ALL WORK TO BE DONE IN ACCORDANCE WITH ARTICLE 564 OF THE STANDARD SPECIFICATIONS. NEW VALVE AND BOX SHALL BE SAME MAKE AND MODEL AS EXISTING.

FIRE HYDRANT TO BE MOVED

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

MODEL: Default
FILE NAME: D1 Std Detail Fire Hydrant Relocation

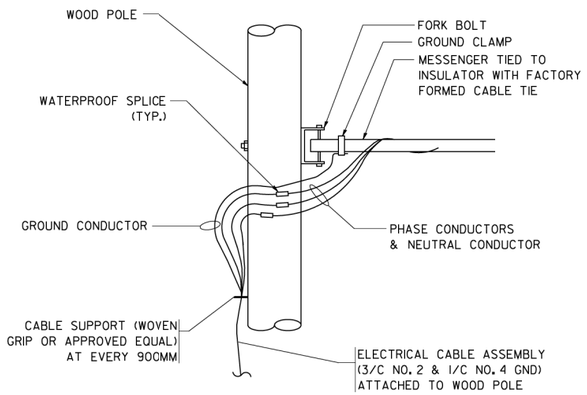
USER NAME = 9695	DESIGNED -	REVISED -
	DRAWN - CEG	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - PAS	REVISED -
PLOT DATE = 5/13/2020	DATE - 05-18-2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CENTRAL STREET BRIDGE
DISTRICT 1 STANDARD DETAIL

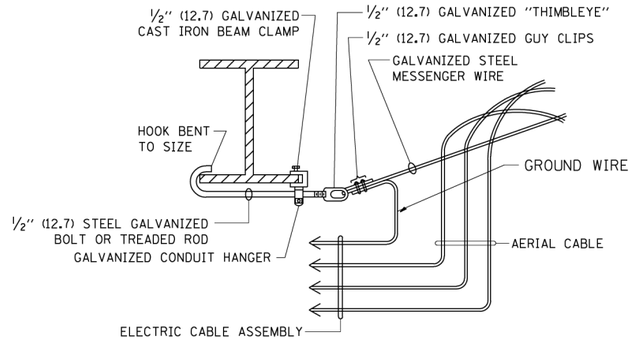
SCALE: NONE | SHEET 4 OF 15 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1301	16-00278-00-BR	COOK	136	123
		CONTRACT NO. 61F92		
		ILLINOIS	FED. AID PROJECT	



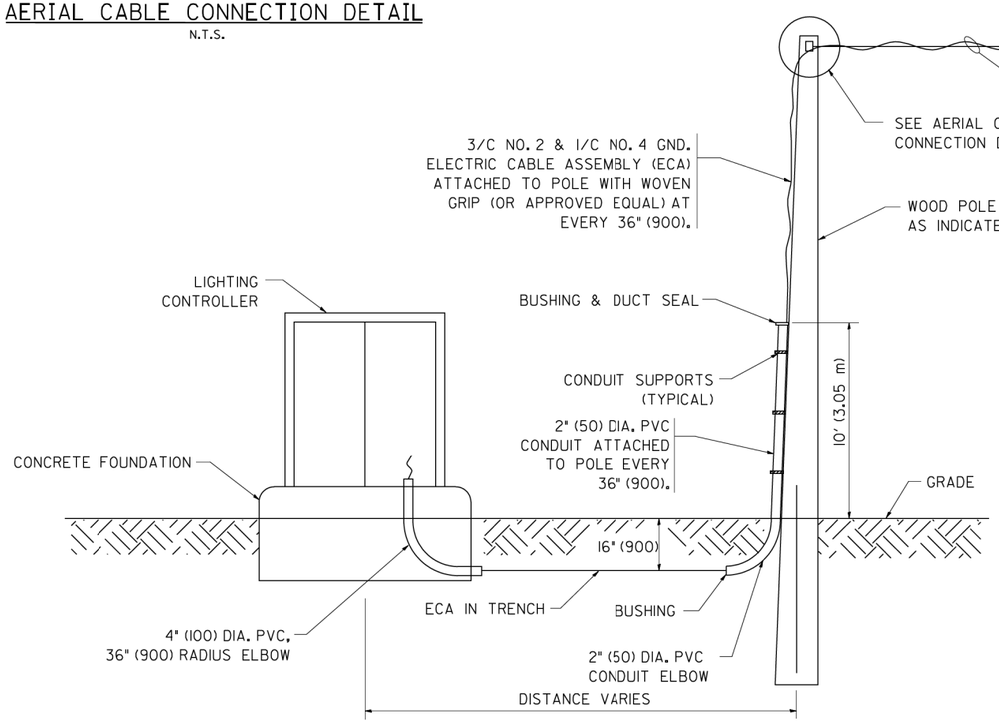
AERIAL CABLE CONNECTION DETAIL

N.T.S.



AERIAL CABLE ATTACHED TO STRUCTURE

NOT TO SCALE



WOOD POLE TO LIGHTING CONTROLLER WIRING CONNECTION DETAIL

N.T.S.

NOTES:

1. ALL DIMENSIONS IN INCHES (MILLIMETERS) UNLESS OTHERWISE INDICATED.
2. SEE PROPOSED LIGHTING PLAN FOR CONDUIT, CABLE AND ROUTING.
3. THE CONTRACTOR SHALL PROVIDE INTERMEDIATE SUPPORTS TO MAINTAIN MINIMUM CLEARANCES. REFER TO AERIAL AERIAL CABLE ATTACHED TO STRUCTURE DETAIL.
4. COST OF SPLICES AND MOUNTING HARDWARE SHALL BE INCLUDED IN THE UNIT PRICE FOR AERIAL CABLE.

MODEL: Default
FILE NAME: D1 Std Detail Temp Aerial Cabling

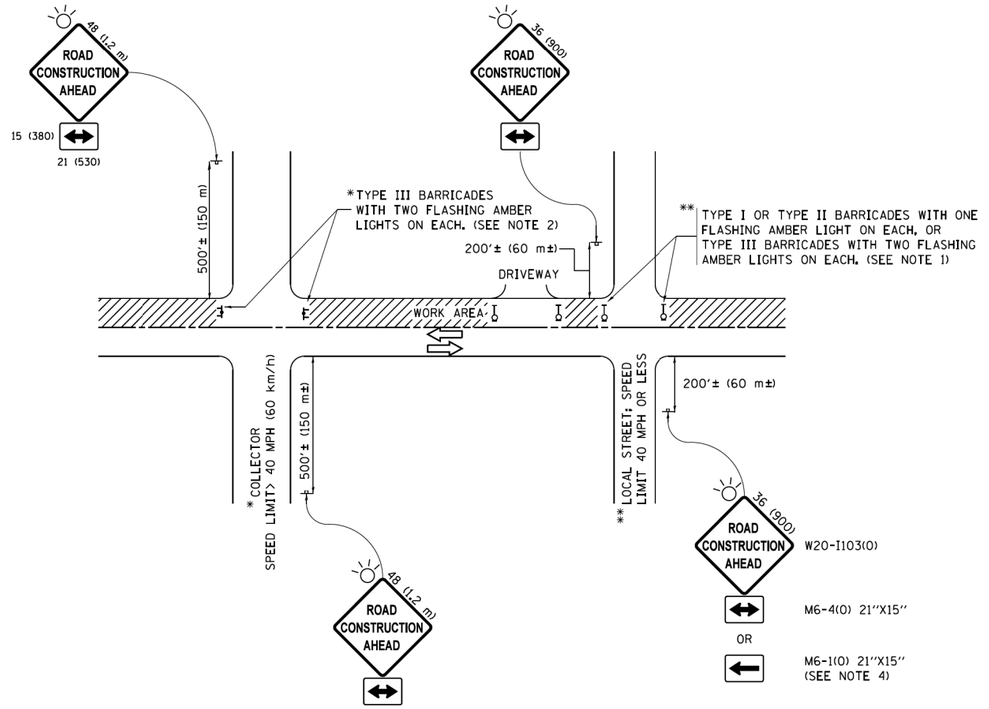
USER NAME = 9695	DESIGNED -	REVISED -
	DRAWN - CEG	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - PAS	REVISED -
PLOT DATE = 5/13/2020	DATE - 05-18-2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CENTRAL STREET BRIDGE
DISTRICT 1 STANDARD DETAIL

SCALE: NONE | SHEET 5 OF 15 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1301	16-00278-00-BR	COOK	136	124
		CONTRACT NO. 61F92		
	ILLINOIS	FED. AID PROJECT		



NOTES:

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

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

MODEL: Default
FILE NAME: D1 Std Detail TCP For Skbroads

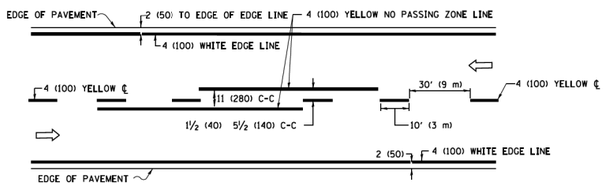
USER NAME = 9695	DESIGNED -	REVISED -
	DRAWN - CEG	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - PAS	REVISED -
PLOT DATE = 5/13/2020	DATE - 05-18-2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

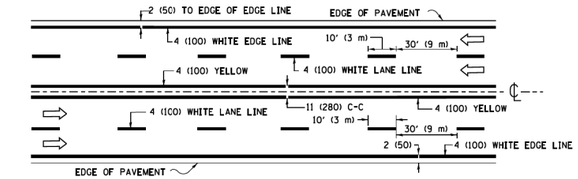
CENTRAL STREET BRIDGE
DISTRICT 1 STANDARD DETAIL

SCALE: NONE | SHEET 6 OF 15 SHEETS | STA. | TO STA.

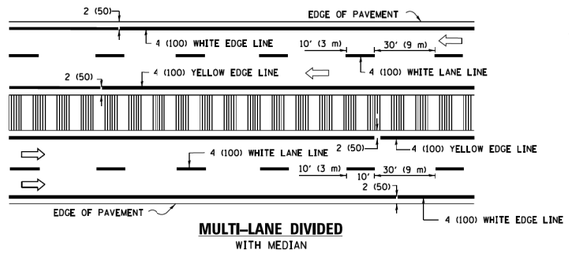
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1301	16-00278-00-BR	COOK	136	125
		CONTRACT NO. 61F92		
	ILLINOIS FED. AID PROJECT			



2–LANE ROADWAY

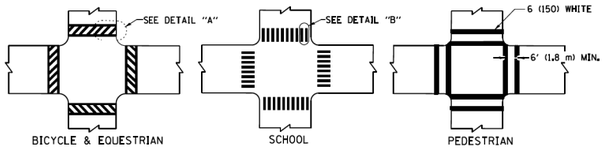


MULTI–LANE UNDIVIDED



MULTI–LANE DIVIDED
WITH MEDIAN

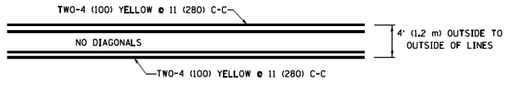
TYPICAL LANE AND EDGE LINE MARKING



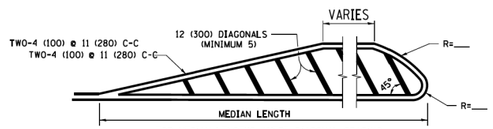
DETAIL "A" **DETAIL "B"**

TYPICAL CROSSWALK MARKING

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



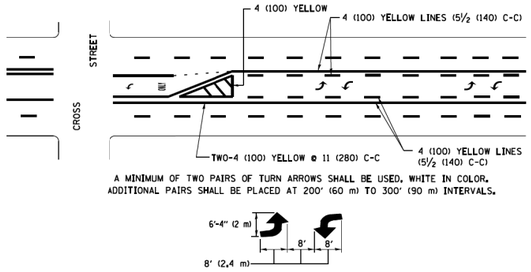
4' (1.2 m) WIDE MEDIANS ONLY



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

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

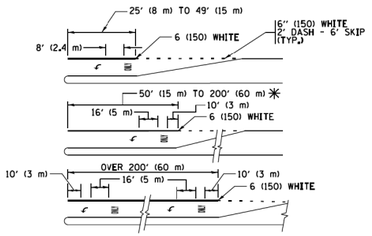
MEDIANS OVER 4' (1.2 m) WIDE



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

MEDIAN WITH TWO–WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING

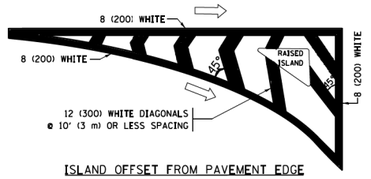


FULL SIZE LETTERS 8' (2,4 m) AND ARROWS SHALL BE USED.
↰ AREA = 15,6 SQ. FT. (1,5 m^2) ↑ AREA = 20,8 SQ. FT. (1,9 m^2)

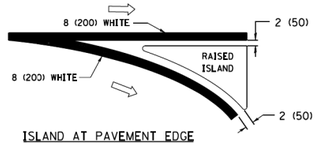
✳ TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING

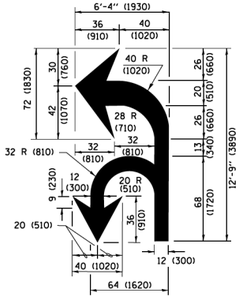


ISLAND OFFSET FROM PAVEMENT EDGE

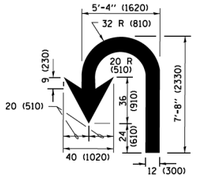


ISLAND AT PAVEMENT EDGE

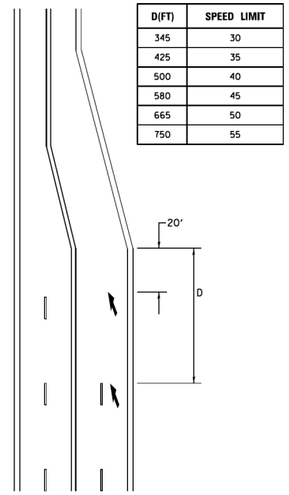
TYPICAL ISLAND MARKING



COMBINATION LEFT AND U–TURN



U–TURN



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

LANE REDUCTION TRANSITION

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

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING /REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 ⊕ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 ⊕ 4 (100)	SOLID SOLID	YELLOW YELLOW	5½ (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1,8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MEDIANS IN YELLOW
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2,4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 ⊕ 4 (100) EACH DIRECTION 8' (2,4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5½ (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 ⊕ 6 (150) 12 (300) ⊕ 45° 12 (300) ⊕ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1,2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT, PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 ⊕ 4 (100) WITH 12 (300) DIAGONALS ⊕ 45° NO DIAGONALS USED FOR 4' (1,2 m) WIDE MEDIANS	SOLID	YELLOW: TWO WAY TRAFFIC WHITE: ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS ⊕ 45°	SOLID	WHITE	DIAGONALS: 15' (4,5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h)) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES; "RR" IS 6' (1,8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3,6 SQ. FT. (0,33 m^2) EACH "X"=54,0 SQ. FT. (5,0 m^2)
SHOULDER DIAGONALS (REQUIRED FOR SHOULDERS ≥ 8')	12 (300) ⊕ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))
U TURN ARROW	SEE DETAIL	SOLID	WHITE	16.3 SF
2 ARROW COMBINATION LEFT AND U TURN	SEE DETAIL	SOLID	WHITE	30.4 SF

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

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

MODEL: Default
FILE NAME: D1 Std Detail Pavement Marking

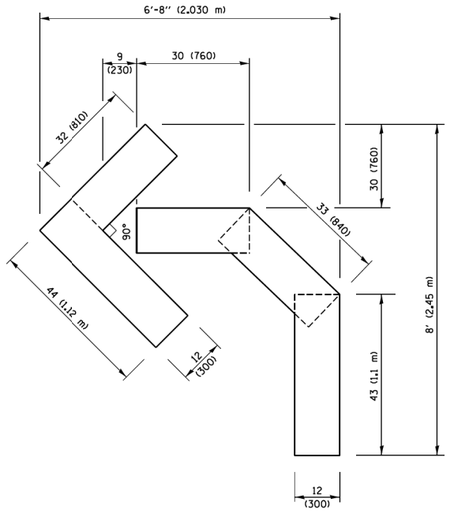
USER NAME = 9695	DESIGNED -	REVISED -
	DRAWN - CEG	REVISED -
PLOT SCALE = 40,0000 ' / in.	CHECKED - PAS	REVISED -
PLOT DATE = 5/13/2020	DATE - 05-18-2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CENTRAL STREET BRIDGE
DISTRICT 1 STANDARD DETAIL

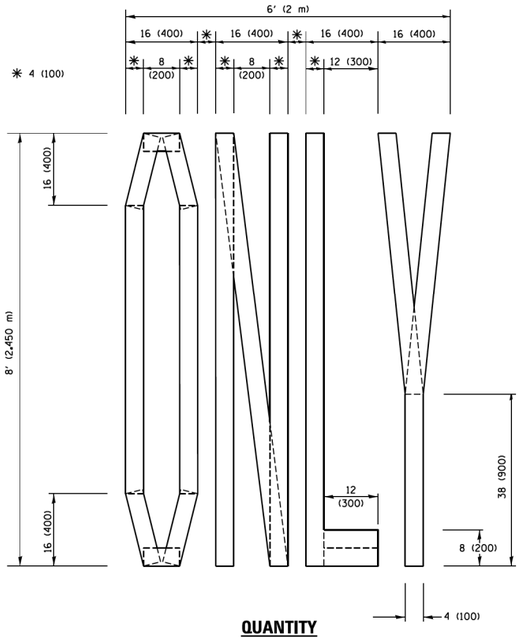
SCALE: NONE | SHEET 7 OF 15 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1301	16-00278-00-BR	COOK	136	126
		CONTRACT NO. 61F92		
	ILLINOIS FED. AID PROJECT			



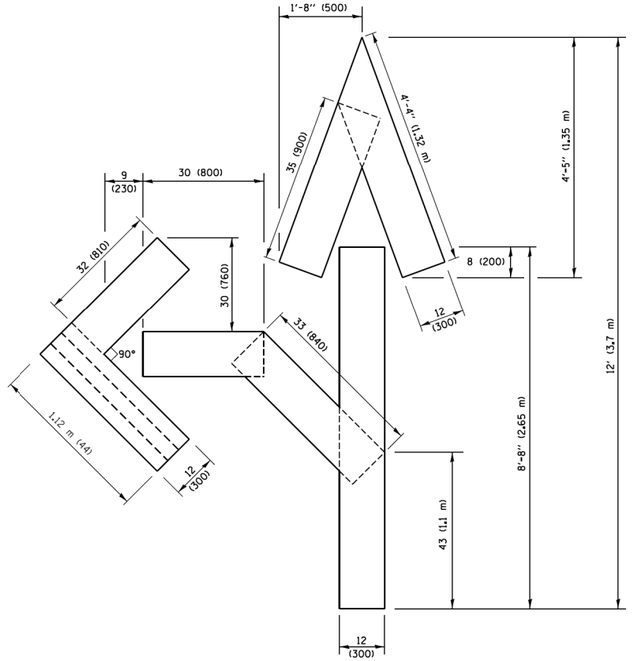
QUANTITY

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



QUANTITY

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

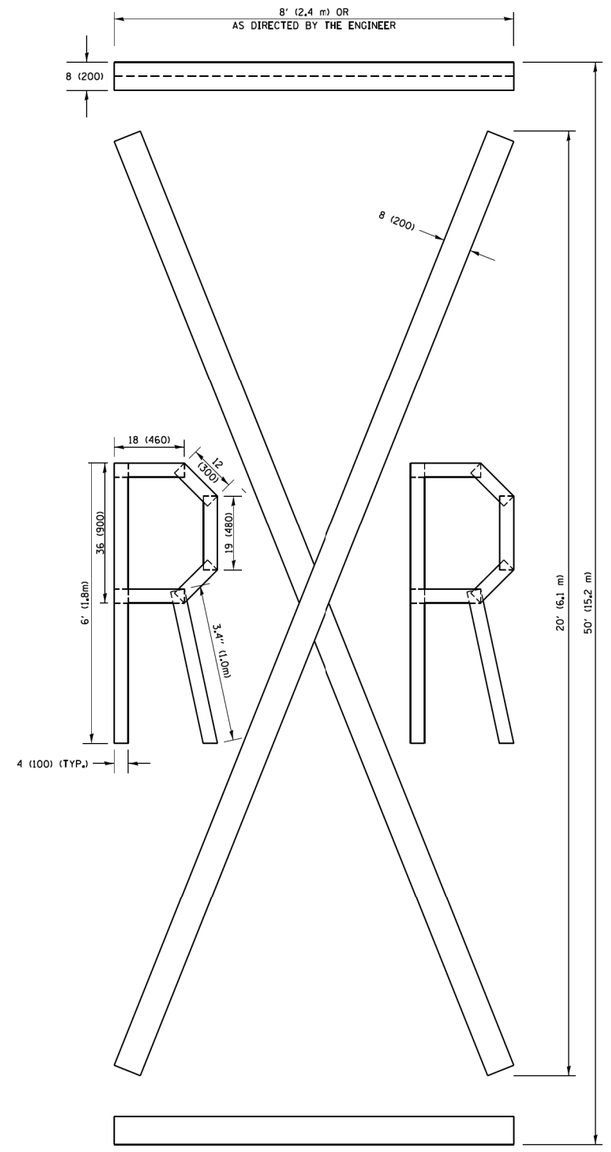


QUANTITY

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

NOTE:

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



QUANTITY

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

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

MODEL: Default
FILE NAME: pw:\\SCI-PWINTEG-2.stanleygroup.com:Datasource:1Documents\City of Evanston\26768.02 - Central Street Phase III\11 CADD\CADD Sheets\26768-sht-104A Standard Details

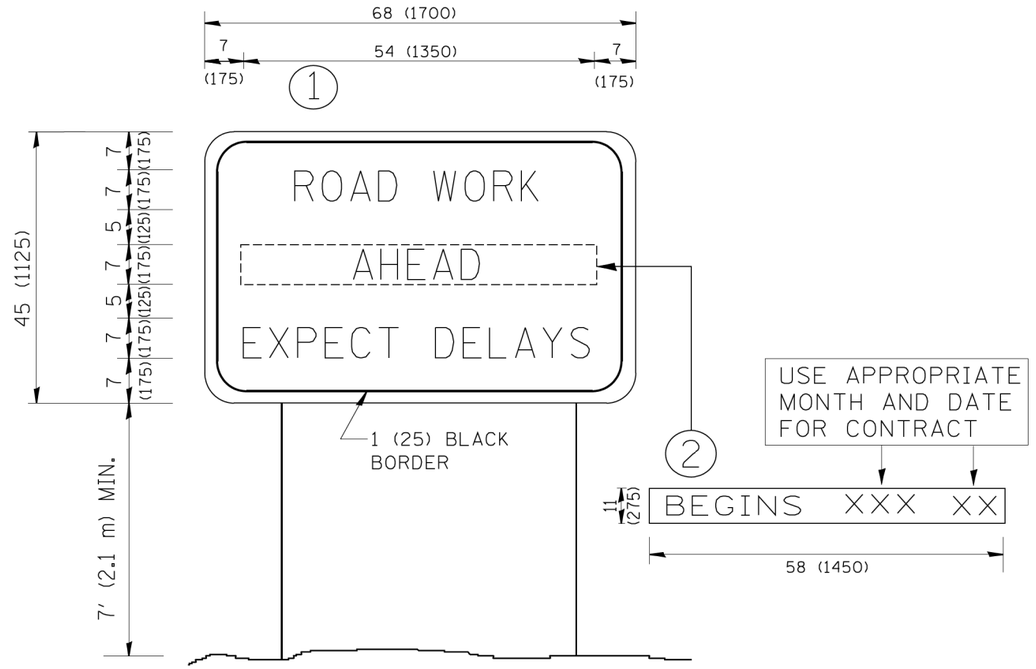
USER NAME = 9695	DESIGNED -	REVISED -	
	DRAWN - DWW	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - PAS	REVISED -	
PLOT DATE = 6/19/2020	DATE - 05-18-2020	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CENTRAL STREET BRIDGE
DISTRICT 1 STANDARD DETAIL

SCALE: NONE | SHEET 7A OF 15 SHEETS | STA. | TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1301	16-00278-00-BR	COOK	136	126A
		CONTRACT NO. 61F92		
		ILLINOIS	FED. AID PROJECT	



NOTES:

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

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

MODEL: Default
FILE NAME: D1 Std Detail Arterial Info Signing

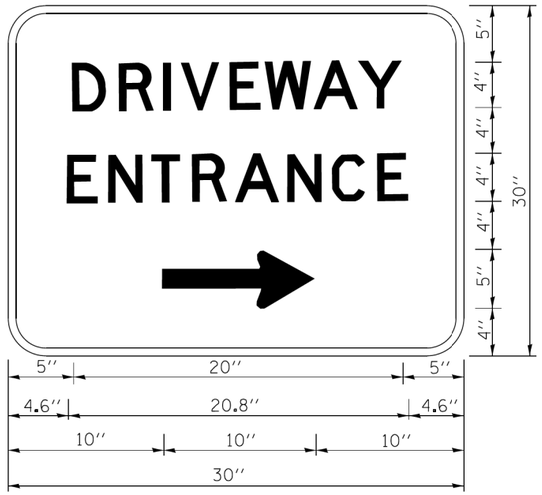
USER NAME = 9695	DESIGNED -		REVISED -
	DRAWN - CEG		REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - PAS		REVISED -
PLOT DATE = 5/13/2020	DATE - 05-18-2020		REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CENTRAL STREET BRIDGE
DISTRICT 1 STANDARD DETAIL

SCALE: NONE | SHEET 8 OF 15 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1301	16-00278-00-BR	COOK	136	127
		CONTRACT NO. 61F92		
	ILLINOIS FED. AID PROJECT			



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

NOTES:

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

MODEL: Default
FILE NAME: D1 Std Detail Driveway Entrance Signing

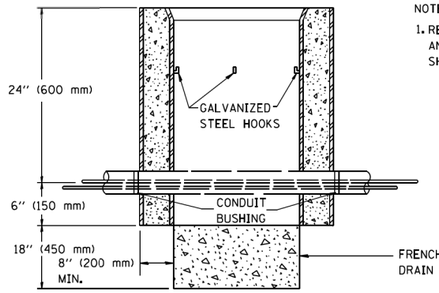
USER NAME = 9695	DESIGNED -	REVISED -
	DRAWN - CEG	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - PAS	REVISED -
PLOT DATE = 5/13/2020	DATE - 05-18-2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CENTRAL STREET BRIDGE
DISTRICT 1 STANDARD DETAIL

SCALE: NONE | SHEET 9 OF 15 SHEETS | STA. | TO STA.

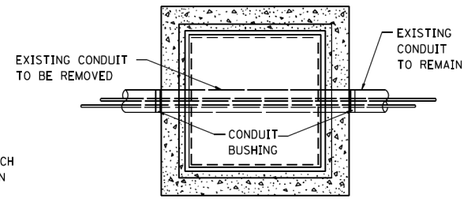
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1301	16-00278-00-BR	COOK	136	128
		CONTRACT NO. 61F92		
	ILLINOIS	FED. AID PROJECT		



ELEVATION

NOTES:

1. REMOVAL OF EXISTING CONDUIT FROM THE HANDHOLE AND THE INSTALLATION OF THE CONDUIT BUSHING SHALL BE INCIDENTAL TO THE HANDHOLE.



PLAN

DETAIL
HANDHOLE TO INTERCEPT EXISTING CONDUIT

MODEL: Default
FILE NAME: D1 Std Detail Intercepting Conduit Manhole

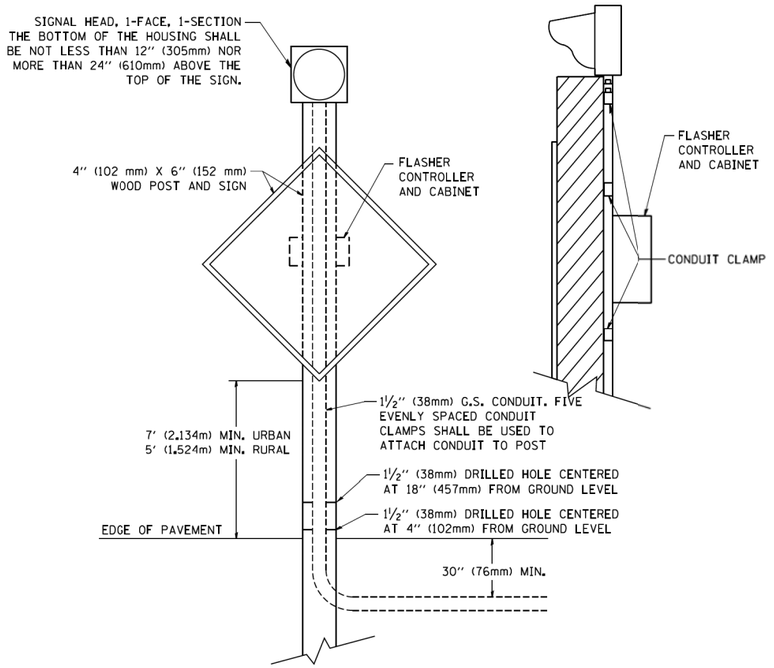
USER NAME = 9695	DESIGNED -	REVISED -
	DRAWN - CEG	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - PAS	REVISED -
PLOT DATE = 5/13/2020	DATE - 05-18-2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

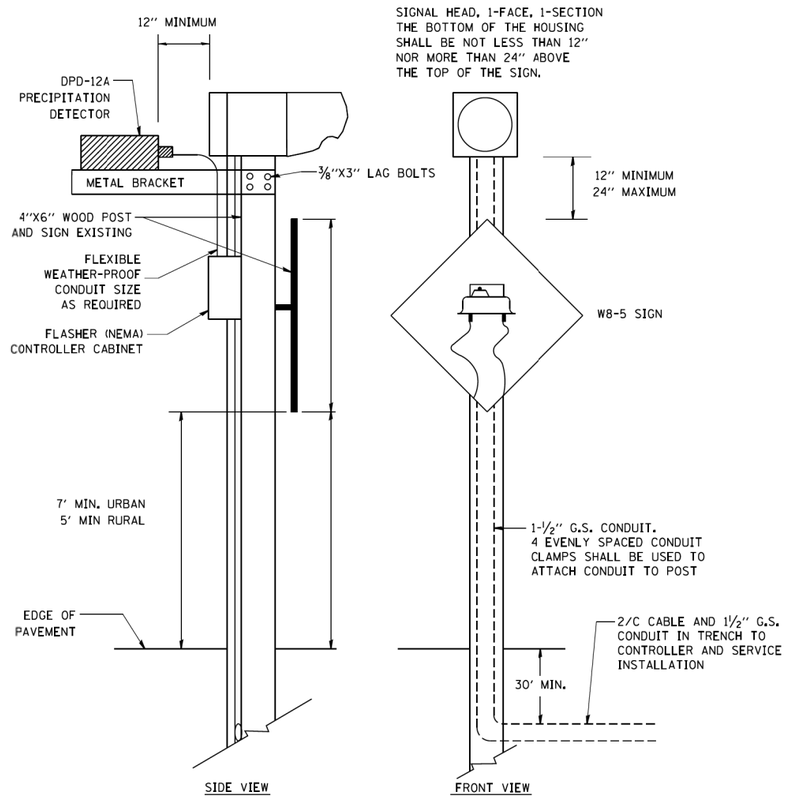
CENTRAL STREET BRIDGE
DISTRICT 1 STANDARD DETAIL

SCALE: NONE | SHEET 10 OF 15 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1301	16-00278-00-BR	COOK	136	129
		CONTRACT NO. 61F92		
	ILLINOIS FED. AID PROJECT			



POST MOUNTED FLASHING BEACON WITH CONTROLLER AND CABINET



POST MOUNTED FLASHING BEACON WITH PRECIPITATION DETECTOR

MODEL: Default
FILE NAME: D1 Std Detail Flashing Beacon 1 of 3

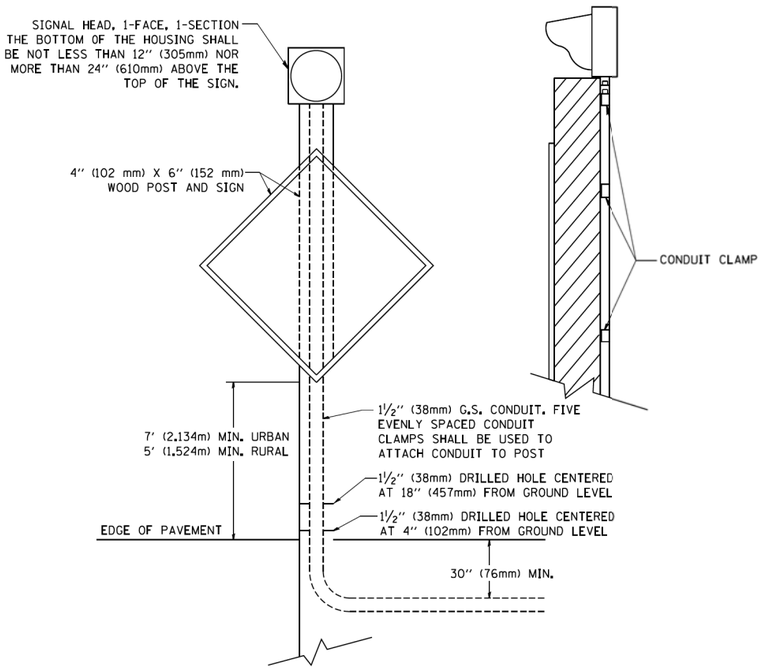
USER NAME = 9695	DESIGNED -	REVISED -
	DRAWN - CEG	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - PAS	REVISED -
PLOT DATE = 5/13/2020	DATE - 05-18-2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

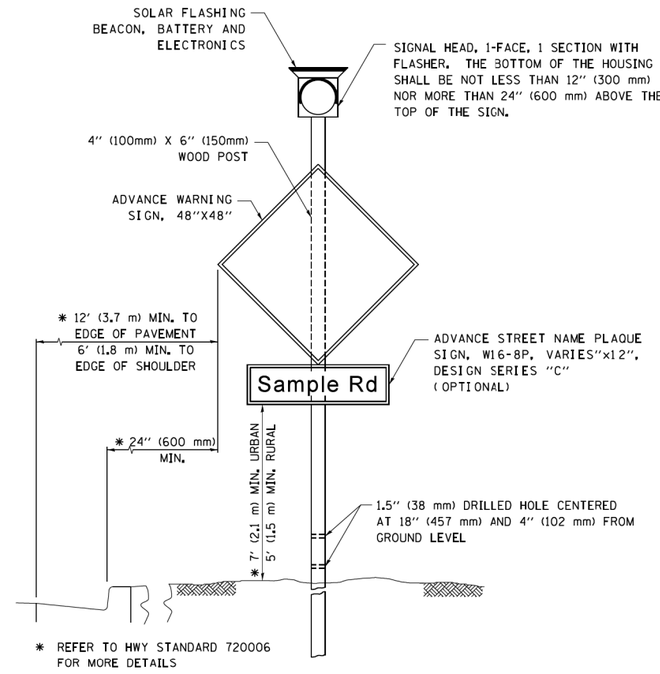
CENTRAL STREET BRIDGE
DISTRICT 1 STANDARD DETAIL

SCALE: NONE | SHEET 11 OF 15 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1301	16-00278-00-BR	COOK	136	130
		CONTRACT NO. 61F92		
		ILLINOIS	FED. AID PROJECT	



POST MOUNTED FLASHING BEACON



SOLAR POWERED FLASHING BEACON

MODEL: Default
FILE NAME: D1 Std Detail Flashing Beacon 2 of 3

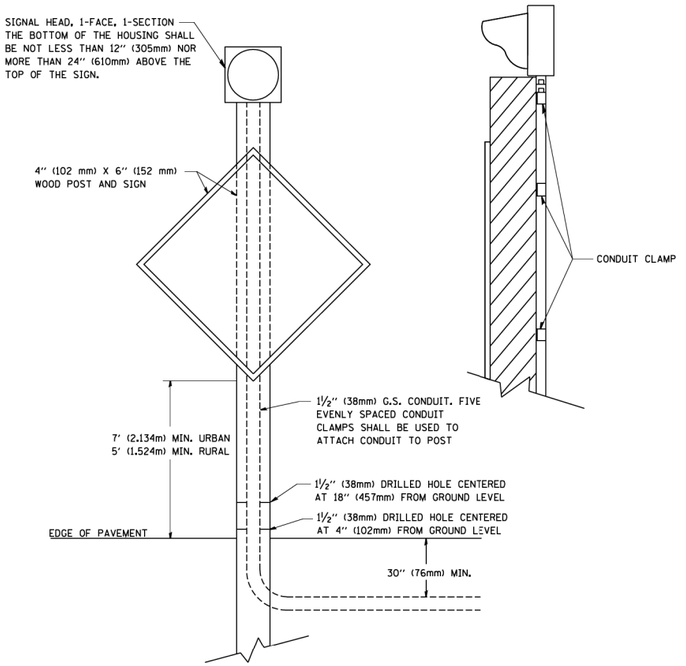
USER NAME = 9695	DESIGNED -	REVISED -	
	DRAWN - CEG	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - PAS	REVISED -	
PLOT DATE = 5/13/2020	DATE - 05-18-2020	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CENTRAL STREET BRIDGE
DISTRICT 1 STANDARD DETAIL

SCALE: NONE | SHEET 12 OF 15 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1301	16-00278-00-BR	COOK	136	131
		CONTRACT NO. 61F92		
		ILLINOIS	FED. AID PROJECT	



POST MOUNTED FLASHING BEACON

MODEL: Default
FILE NAME: D1 Std Detail Flashing Beacon 3 of 3

USER NAME = 9695	DESIGNED -	REVISED -	
	DRAWN - CEG	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - PAS	REVISED -	
PLOT DATE = 5/13/2020	DATE - 05-18-2020	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CENTRAL STREET BRIDGE
DISTRICT 1 STANDARD DETAIL

SCALE: NONE | SHEET 13 OF 15 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1301	16-00278-00-BR	COOK	136	132
		CONTRACT NO. 61F92		
	ILLINOIS	FED. AID PROJECT		

EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION

																															PREEMPTOR NUMBER 3	PREEMPTOR NUMBER 4	
CHANGE FROM NORMAL SEQUENCE OF OPERATION INTERVAL NUMBER	1	5		5			8		8			11	11			14	18			18		22			22		26			26			CLEAR TO NORMAL SEQUENCE
EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION INTERVAL NUMBER	1A	1B	1C	1D	1E	1F	1G	1H	1J	1K	1L	1M	1N	1P	1Q	1R	1S	1T	1U	1V	1W	1X	1Y	1Z	1AA	1BB	1CC	1DD	1EE	1FF	2	3	
CHANGE TO EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION INTERVAL NUMBER	2 OR 3	1C	2	1E	1F	3	1H	2	1K	1L	3	2	1P	1Q	3	2 OR 3	1T	1U	2	1W	3	1Y	1Z	2	1BB	3	1DD	1EE	2	3			◊
MAIN STREET E/B END MAST ARM AND FAR LEFT SIGNALS	R ←Y	R	R	R	R	R	G ←G	G ←Y	G ←G	Y	R	G	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	R	◊
MAIN STREET E/B FAR RIGHT SIGNAL	R	R	R	R	R	R	G	G	G	Y	R	G	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	R	◊
MAIN STREET W/B END MAST ARM AND FAR LEFT SIGNALS	R ←Y	G ←G	G ←Y	G ←G	Y	R	R	R	R	R	R	G	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	R	◊
MAIN STREET W/B FAR RIGHT SIGNAL	R	G	G	G	Y	R	R	R	R	R	R	G	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	R	◊
CROSS STREET S/B END MAST ARM AND FAR LEFT SIGNALS	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R ←Y	R	R	R	R	R	G ←G	Y	R	G ←G	G ←Y	G	Y	R	G	R	G	◊
CROSS STREET S/B FAR RIGHT SIGNAL	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	Y	R	G	G	G	Y	R	G	R	G	◊
CROSS STREET N/B END MAST ARM AND FAR LEFT SIGNALS	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R ←Y	G ←G	Y	R	G ←G	G ←Y	R	R	R	R	R	G	Y	R	G	R	G	◊
CROSS STREET N/B FAR RIGHT SIGNAL	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	Y	R	G	G	R	R	R	R	R	G	Y	R	G	R	G	◊
PEDESTRIAN SIGNALS CROSSING CROSS STREET ON NORTHSIDE OF MAIN STREET	H	FH	H	FH	H	H	H	H	H	H	H	FH	FH	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	◊
PEDESTRIAN SIGNALS CROSSING CROSS STREET ON SOUTHSIDE OF MAIN STREET	H	H	H	H	H	H	FH	H	FH	H	H	FH	FH	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	◊
PEDESTRIAN SIGNALS CROSSING MAIN STREET ON EASTSIDE OF CROSS STREET	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	FH	H	H	FH	H	H	H	H	H	H	FH	H	H	FH	H	H	◊
PEDESTRIAN SIGNALS CROSSING MAIN STREET ON WESTSIDE OF CROSS STREET	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	FH	H	H	FH	H	FH	H	H	FH	H	H	◊

◊ EMERGENCY VEHICLE SEQUENCE SHALL PROVIDE THE PROPER CLEARANCE INTERVAL TO RESUME THE NORMAL SEQUENCE OF OPERATION OR PROPER CLEARANCE INTERVAL TO DISPLAY A DIFFERENT EMERGENCY INTERVAL AFTER EMERGENCY VEHICLE 2 OR 3 IS TERMINATED.

MODEL: Default
FILE NAME: pw:\\SCI-PWINTEG-2.stanleygroup.com:Datasource-1\Documents\City of Evanston\26768.02 - Central Street Phase II\11-CADD\CADD Sheets\26768-sht-110G-Standard Details

USER NAME = 9695	DESIGNED -	REVISED -
	DRAWN - DWW	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - PAS	REVISED -
PLOT DATE = 6/19/2020	DATE - 05-18-2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CENTRAL STREET BRIDGE
DISTRICT 1 STANDARD DETAIL

SCALE: NONE | SHEET 15A OF 15 SHEETS | STA. TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1301	16-00278-00-BR	COOK	136	132A

CONTRACT NO. 61F92

ILLINOIS | FED. AID PROJECT

PROPOSED SEQUENCE OF OPERATION

MOVEMENT	5 ↱ ↰ 1				⇠⇢ ←6 ↰1			5↱ 2→ ⇠⇢			⇠⇢ 2→ ←6 ⇠⇢				7 ↳ ↰ 3				↰ ↑ ⇣ 3 8					⇡ ↓ ↳ 4 7					⇡ ↓ ↑ ⇣ 4 8				FLASH
PHASE	1 + 5				1 + 6			2 + 5			2 + 6				3 + 7				3 + 8					4 + 7					4 + 8				
INTERVAL	1	2	3	4	5	6	7	8	9	10	11	12	13A	13B	14	15	16	17	18	19	20A	20B	21	22	23	24A	24B	25	26	27	28A	28B	
CHANGE TO	/	1+6	2+5	2+6	θ /	θ /	2+6	θ /	θ /	2+6	/	/	3+7 3+8 4+7 4+8		/	1+5 1+6 2+5 2+6 4+8	3+8	4+7	θ /	θ /	1+5 1+6 2+5 2+6		4+8	θ /	θ /	1+5 1+6 2+5 2+6		4+8	/	/	1+5 1+6 2+5 2+6		
MAIN STREET E/B END MAST ARM AND FAR LEFT SIGNALS	R ←G	R ←Y	R ←G	R ←Y	R	R	R	G ←G	G ←G	G ←Y	G	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
MAIN STREET E/B FAR RIGHT SIGNAL	R	R	R	R	R	R	R	G	G	G	G	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
MAIN STREET W/B END MAST ARM AND FAR LEFT SIGNALS	R ←G	R ←G	R ←Y	R ←Y	G ←G	G ←G	G ←Y	R	R	R	G	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
MAIN STREET W/B FAR RIGHT SIGNAL	R	R	R	R	G	G	G	R	R	R	G	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
CROSS STREET S/B END MAST ARM AND FAR LEFT SIGNALS	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R ←G	R ←Y	R ←Y	R ←G	R	R	R	R	R	G ←G	G ←G	Y	R	G ←Y	G	G	Y	R	R
CROSS STREET S/B FAR RIGHT SIGNAL	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	G	Y	R	G	G	G	Y	R	R
CROSS STREET N/B END MAST ARM AND FAR LEFT SIGNALS	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R ←G	R ←Y	R ←G	R ←Y	G ←G	G ←G	Y	R	G ←Y	R	R	R	R	R	G	G	Y	R	R
CROSS STREET N/B FAR RIGHT SIGNAL	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	G	Y	R	G	R	R	R	R	R	G	G	Y	R	R
PEDESTRIAN SIGNALS CROSSING CROSS STREET ON NORTHSIDE OF MAIN STREET	H	H	H	H	•P	••FH	H	H	H	H	•P	••FH	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	D
PEDESTRIAN SIGNALS CROSSING CROSS STREET ON SOUTHSIDE OF MAIN STREET	H	H	H	H	H	H	H	•P	••FH	H	•P	••FH	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	A
PEDESTRIAN SIGNALS CROSSING MAIN STREET ON EASTSIDE OF CROSS STREET	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	•P	••FH	H	H	H	H	H	H	H	H	•P	••FH	H	H	R
PEDESTRIAN SIGNALS CROSSING MAIN STREET ON WESTSIDE OF CROSS STREET	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	•P	••FH	H	H	H	•P	••FH	H	H	K

- • TO APPEAR ONLY UPON PUSHBUTTON ACTIVATION
- •• FLASHING "✋" IS TO TERMINATE AT THE COMPLETION OF THE PEDESTRIAN INTERVAL CLEARANCE.
- θ THIS "🚶" OR FLASHING "✋" INTERVAL MAY FINISH TIMIMG IN THE BIDIRECTIONAL STRAIGHT THROUGH MOVEMENT IF THE LEFT ARROW TIME IS NOT SUFFICIENT TO COMPLETE "🚶" OR FLASHING "✋" INTERVALS. "🚶" AND FLASHING "✋" TIMINGS TO BE SET ONLY ON PHASES WHERE "🚶" AND FLASHING "✋" ARE INDICATED IN THE SEQUENCE OF OPERATION.

P = ILLUMINATED PERSON = WALK
FH = ILLUMINATED FLASHING HAND = FLASHING DON'T WALK
H = ILLUMINATED SOLID HAND = DON'T WALK

PHASE 2+6 SHALL BE PLACED ON RECALL.

NLT = "NO LEFT TURN" OR ⃠

NRT = "NO RIGHT TURN" OR ⃠

PROPOSED RAILROAD PREEMPTION SEQUENCE OF OPERATION

														PREEMPTOR NUMBER 3		PREEMPTOR NUMBER 4		PREEMPTOR NUMBER 2				
CHANGE FROM NORMAL SEQUENCE OF OPERATION INTERVAL NUMBER	1	5		8		11		14	18		22	26										
CHANGE FROM EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION INTERVAL NUMBER														2		3						
RAILROAD PREEMPTION SEQUENCE OF OPERATION INTERVAL NUMBER	1A	1B	1C	1D	1E	1F	1G	1H	1J	1K	1L	1M	1N	1P	1Q	1R	1S	2	3	4	5	CLEAR TO NORMAL SEQUENCE
CHANGE TO RAILROAD PREEMPTION SEQUENCE OF OPERATION INTERVAL NUMBER	2	1C	2	1E	2	1G	2	2	1K	2	2	1N	2	1Q	2	1S	2	3	4	5		
MAIN STREET E/B END MAST ARM AND FAR LEFT SIGNALS	R ←Y	Y	R	R	R	Y	R	R	R	R	R	R	R	Y	R	R	R	R	R	R	R	△
MAIN STREET E/B FAR RIGHT SIGNAL	R	Y	R	R	R	Y	R	R	R	R	R	R	R	Y	R	R	R	R	R	R	R	△
MAIN STREET W/B END MAST ARM AND FAR LEFT SIGNALS	R ←Y	R	R	Y	R	Y	R	R	R	R	R	R	R	Y	R	R	R	R	R	R	G ←G	△
MAIN STREET W/B FAR RIGHT SIGNAL	R	R	R	Y	R	Y	R	R	R	R	R	R	R	Y	R	R	R	R	R	R	G	△
CROSS STREET S/B END MAST ARM AND FAR LEFT SIGNALS	R	R	R	R	R	R	R	R ←G	R	R	G ←G	G	G	R	R	G	G	G ←G	Y	R	R	△
CROSS STREET S/B FAR RIGHT SIGNAL	R	R	R	R	R	R	R	R	R	R	G	G	G	R	R	G	G	G	Y	R	R	△
CROSS STREET N/B END MAST ARM AND FAR LEFT SIGNALS	R	R	R	R	R	R	R	R ←Y	Y	R	R	Y	R	R	R	Y	R	R	R	R	R	△
CROSS STREET N/B FAR RIGHT SIGNAL	R	R	R	R	R	R	R	R	Y	R	R	Y	R	R	R	Y	R	R	R	R	R	△
PEDESTRIAN SIGNALS CROSSING CROSS STREET ON NORTHSIDE OF MAIN STREET	H	FH	H	H	H	FH	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	△
PEDESTRIAN SIGNALS CROSSING CROSS STREET ON SOUTHSIDE OF MAIN STREET	H	H	H	FH	H	FH	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	△
PEDESTRIAN SIGNALS CROSSING MAIN STREET ON EASTSIDE OF CROSS STREET	H	H	H	H	H	H	H	H	FH	H	H	FH	H	H	H	H	H	H	H	H	H	△
PEDESTRIAN SIGNALS CROSSING MAIN STREET ON WESTSIDE OF CROSS STREET	H	H	H	H	H	H	H	H	H	H	FH	FH	H	H	H	H	H	H	H	H	H	△
INTERNALLY ILLUMINATED NRT SIGNS	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	△
INTERNALLY ILLUMINATED NLT SIGNS	NLT	NLT	NLT	NLT	NLT	NLT	NLT	NLT	NLT	NLT	NLT	NLT	NLT	NLT	NLT	NLT	NLT	NLT	NLT	NLT	NLT	△
																					HOLD	

△ RAILROAD PREEMPTION SEQUENCE SHALL PROVIDE THE PROPER CLEARANCE INTERVAL TO RESUME THE NORMAL SEQUENCE OF OPERATION OR PROPER CLEARANCE INTERVAL TO DISPLAY AN EMERGENCY VEHICLE INTERVAL (IF APPLICABLE) AFTER RAILROAD PREEMPTION INTERVAL 5 IS TERMINATED.

MODEL: Default
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USER NAME = 9695	DESIGNED -	REVISED -
	DRAWN - DWW	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - PAS	REVISED -
PLOT DATE = 6/19/2020	DATE - 05-18-2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CENTRAL STREET BRIDGE
DISTRICT 1 STANDARD DETAIL

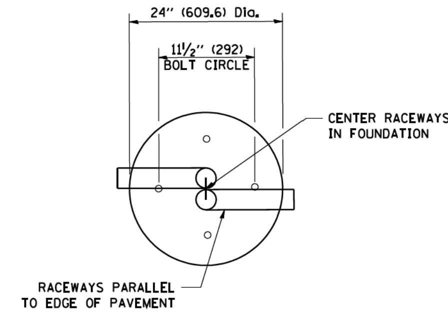
SCALE: NONE | SHEET 15B OF 15 SHEETS | STA. TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1301	16-00278-00-BR	COOK	136	132B

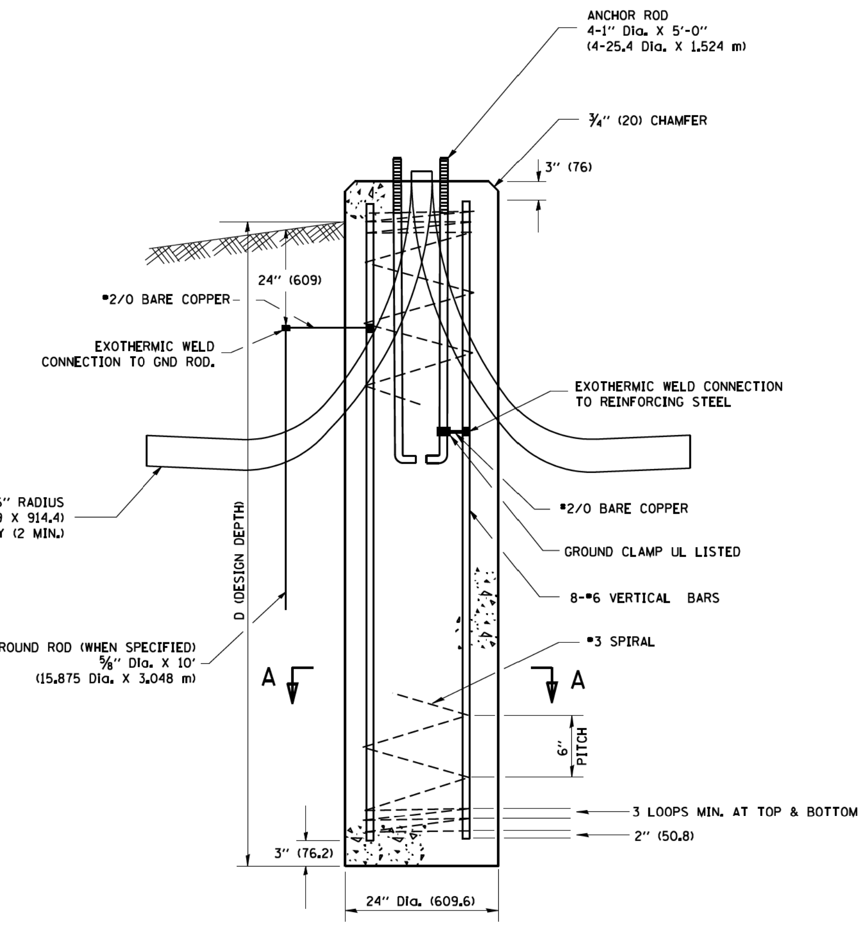
CONTRACT NO. 61F92
ILLINOIS FED. AID PROJECT

LIGHT POLE FOUNDATION DEPTH TABLE
30 FT. (9.144 m) TO 35 FT. (10.668 m) MOUNTING HEIGHT

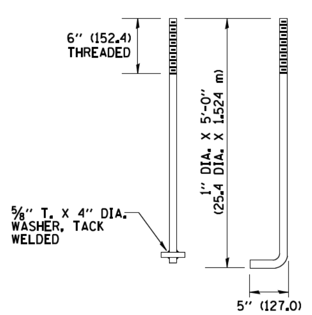
SOIL CONDITIONS	DESIGN DEPTH "D" OF FOUNDATION	
	SINGLE ARM POLE	TWIN ARM POLE
SOFT CLAY Qu = 0.375 TON/SQ. FT.	11'-0" (3.35 m)	12'-8" (3.85 m)
MEDIUM CLAY Qu = 0.75 TON/SQ.FT	9'-0" (2.74 m)	14'-10" (4.52 m)
STIFF CLAY Qu = 1.50 TON/SQ. FT.	7'-6" (2.29 m)	8'-7" (2.61 m)
LOOSE SAND Ø = 34°	9'-6" (2.90 m)	10'-7" (3.22 m)
MEDIUM SAND Ø = 37.5°	9'-0" (2.74 m)	9'-10" (2.99 m)
DENSE SAND Ø = 40°	8'-3" (2.51 m)	9'-7" (2.91 m)



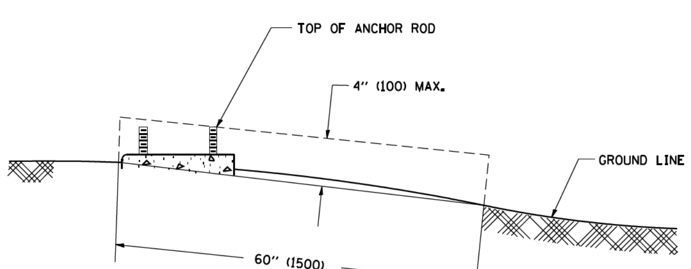
TOP VIEW



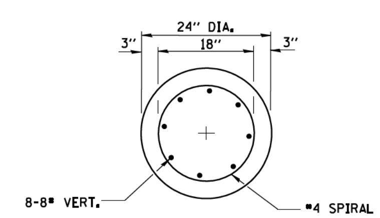
FOUNDATION DETAIL



ANCHOR BOLT DETAIL



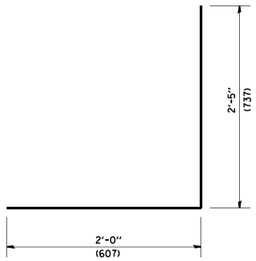
FOUNDATION EXTENSION DETAIL



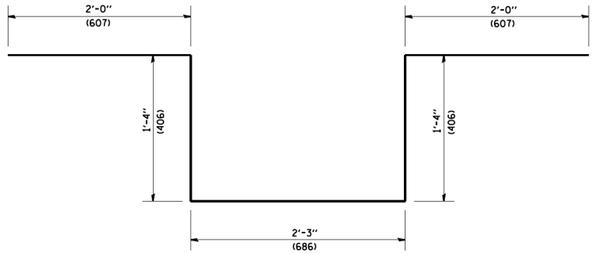
SECTION A-A

NOTES

1. ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
2. THE ANCHOR RODS AND RACEWAYS SHALL BE PROPERLY SECURED IN PLACE BEFORE THE CONCRETE IN PLACED.
3. THE FOUNDATION SHALL NOT PROTRUDE MORE THAN 4 IN. (100 mm) ABOVE THE FINISHED GRADE WITHIN A 60 IN. (1.5 m) CHORD ACROSS THE FOUNDATION, WITH ANCHOR RODS INCLUDED, IN ACCORDANCE WITH AASHTO GUIDELINES. IF THE FOUNDATION HEIGHT, INCLUDING ANCHOR RODS, EXTENDS BEYOND THESE SPECIFIED LIMITS, THE FOUNDATION SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE. SEE FOUNDATION EXTENSION DETAIL.
4. THE HOLE FOR THE FOUNDATION SHALL BE MADE BY DRILLING WITH AN AUGER, OF THE SAME DIAMETER AS THE FOUNDATION. IF SOIL CONDITIONS REQUIRE THE USE OF A LINER TO FORM THE HOLE, THE LINER SHALL BE WITHDRAWN AS THE CONCRETE IS DEPOSITED.
5. THE TOP OF THE FOUNDATION SHALL BE CONSTRUCTED LEVEL. A LINER OR FORM SHALL BE USED TO PRODUCE A UNIFORM SMOOTH SIDE TO THE TOP OF THE FOUNDATION. FOUNDATION TOP SHALL BE CHAMFERED ¾-IN. (20 mm).
6. THE CONCRETE SHALL BE CLASS SI. CONCRETE SHALL CURE ACCORDING TO ARTICLE 1020.13 BEFORE LIGHT POLES ARE INSTALLED.
7. THE ANCHOR ROD SHALL BE A HOOK ROD TYPE. COLD BENDING OF THE ANCHOR ROD WILL NOT BE ALLOWED. THE RADIUS OF THE HOOK BEND SHALL NOT BE LESS THAN 4 TIMES THE NOMINAL DIAMETER OF THE ANCHOR ROD. A TACK WELDED ANCHOR ROD MAY BE SUBSTITUTED WITH THE APPROVAL OF THE ENGINEER.
8. THE ANCHOR RODS SHALL BE ACCORDING TO ASTM F1554 GRADE 725 (GRADE 105). NUTS SHALL BE HEXAGON NUTS ACCORDING TO ASTM A 194 2H OR ASTM A 563 DH, AND WASHERS SHALL BE ACCORDING TO ASTM F 436.
9. ANCHOR RODS, NUTS AND WASHERS SHALL BE COMPLETELY GALVANIZED BY EITHER THE HOT-DIPPED PROCESS CONFORMING WITH AASHTO M 232, THE MECHANICAL PLATING METHOD CONFORMING TO AASHTO M 298, CLASS 50 WITH A MAXIMUM COATING THICKNESS OF 150 UM(6 MILS) OR THE ELECTROLYTIC PROCESS ACCORDING TO ASTM F 1136.
10. THE ANCHOR RODS SHALL BE THREADED A MINIMUM OF 6 INCHES (150 mm) WITH A MINIMUM OF 3 INCHES (75 mm) OF THREADED ANCHOR ROD EMBEDDED IN THE FOUNDATION.
11. ANCHOR RODS SHALL PROJECT 2¾" (69.9 mm) ABOVE THE TOP OF THE FOUNDATION. IF BREAKAWAY COUPLINGS ARE SPECIFIED, THE CONTRACTOR SHALL CAREFULLY COORDINATE THE ANCHOR ROD PROJECTION WITH THE INSTALLATION REQUIREMENTS OF THE BREAKAWAY COUPLINGS.
12. THE CONTRACTOR SHALL USE A #3 SPIRAL AT 6" (152.4 mm) PITCH OR MAY SUBSTITUTE #3 TIES AT 12" (304.8 mm) O.C. WITH THE APPROVAL OF THE ENGINEER.
13. THE CABLE TRENCHES AND FOUNDATION SHALL BE BACK FILLED AND COMPACTED AS SPECIFIED BEFORE THE LIGHT POLE IS ERECTED.
14. THE RACEWAYS SHALL PROJECT 1" (25.4 mm) ABOVE THE TOP OF THE FOUNDATION.



BAR d (E)



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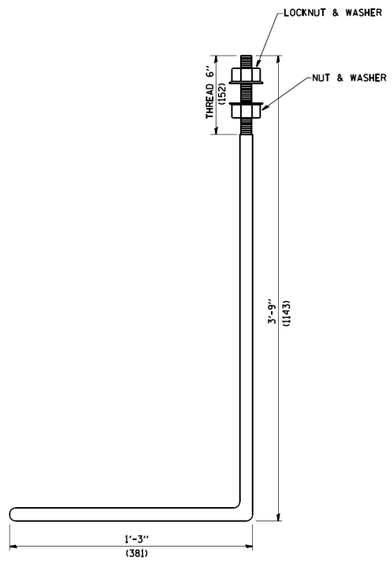
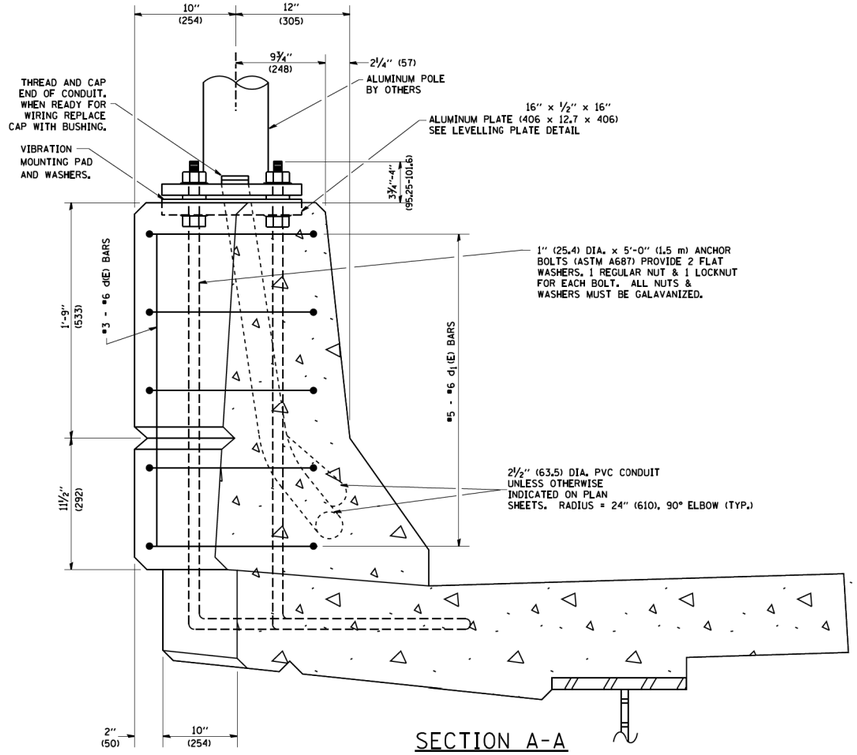
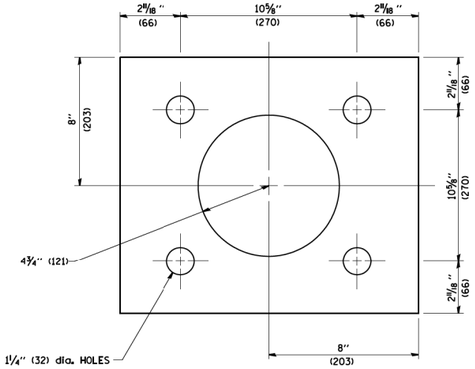


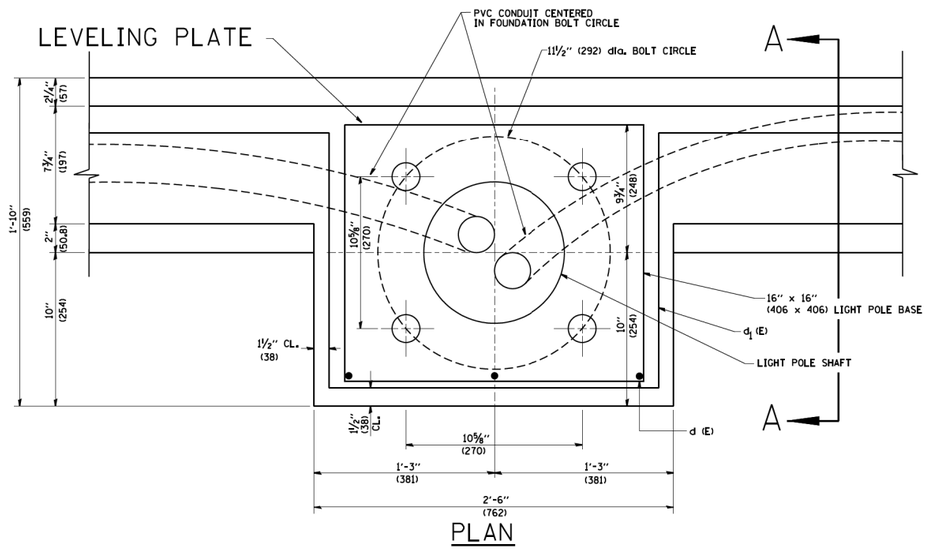
1" (25.4) dia. ANCHOR BOLT



SECTION A-A



LEVELING PLATE DETAIL



PLAN

NOTES

1. ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
2. LEVEL LIGHT POLE PLATES, USING THE FLANGE NUTS, PRIOR TO POURING THE PARAPET WALL. THE TOP OF THE PLATE SHALL BE AT THE SAME ELEVATION AS THE FINISHED CONCRETE PARAPET.
3. THE COST OF ANCHOR BOLTS, CONDUIT, LEVELLING PLATE AND FOUNDATION IS INCLUDED IN THE COST OF THE BRIDGE STRUCTURE.

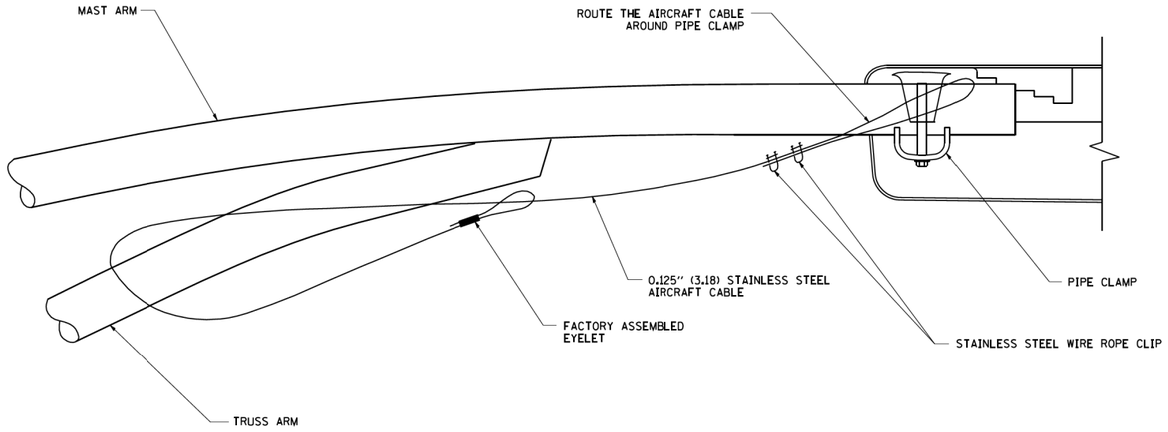
USER NAME = 9695	DESIGNED -	REVISED -
	DRAWN - DWW	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - PAS	REVISED -
PLOT DATE = 6/19/2020	DATE - 05-18-2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CENTRAL STREET BRIDGE
DISTRICT 1 STANDARD DETAIL

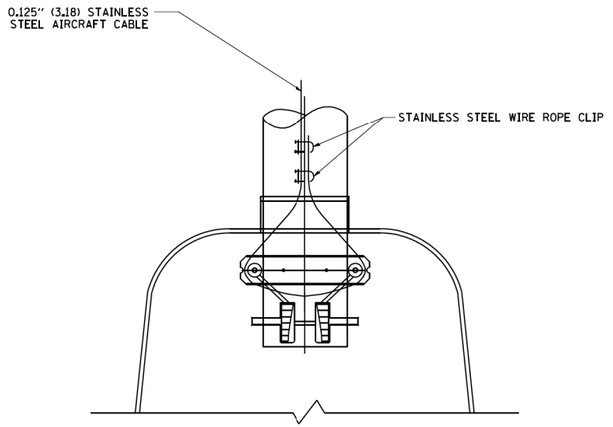
SCALE: NONE | SHEET 15D OF 15 SHEETS | STA. | TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1301	16-00278-00-BR	COOK	136	132D
		CONTRACT NO. 61F92		
		ILLINOIS	FED. AID PROJECT	



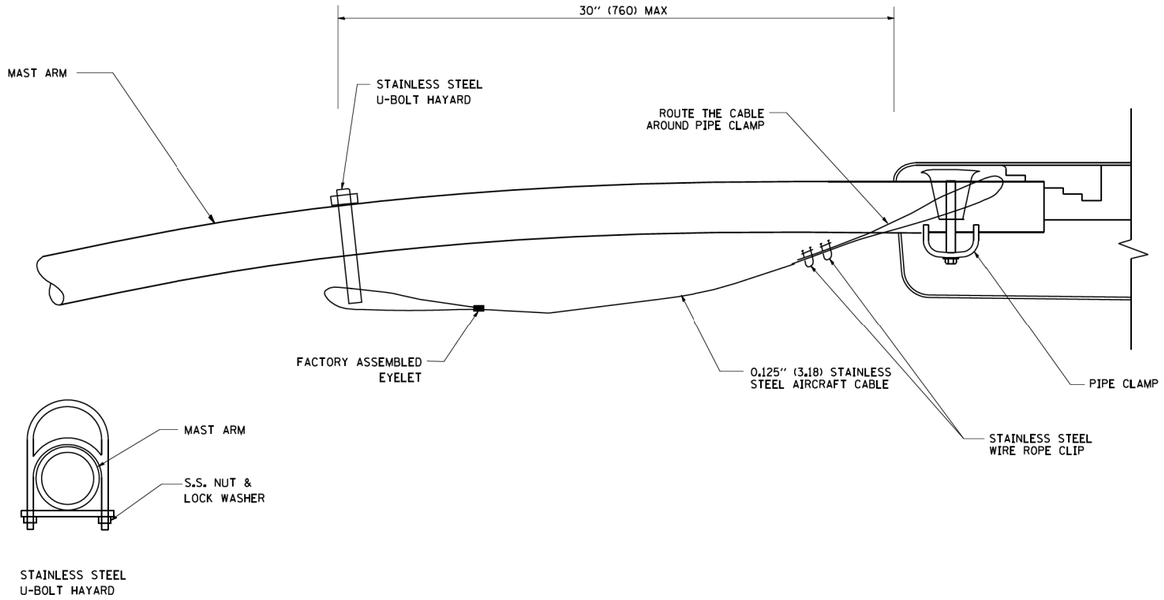
SIDE VIEW (TRUSS ARM)

N.T.S.



BOTTOM VIEW

N.T.S.



SIDE VIEW (SINGLE MEMBER OR DAVIT ARM)

N.T.S.

NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE SHOWN.
2. CONTRACTOR SHALL ADJUST THE WIRE CLIP TO ELIMINATE ANY SLACK FROM THE WIRE ROPE.
3. THE 0.125" (3.18) STAINLESS STEEL AIRCRAFT CABLE SHALL REMAIN VISIBLE FROM THE GROUND LEVEL.
4. THE BREAKING STRENGTH OF THE CABLE SHALL BE 1700 LBS. MIN.

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CENTRAL STREET BRIDGE
DISTRICT 1 STANDARD DETAIL

SCALE: NONE | SHEET 15E OF 15 SHEETS | STA. | TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1301	16-00278-00-BR	COOK	136	132E
		CONTRACT NO. 61F92		
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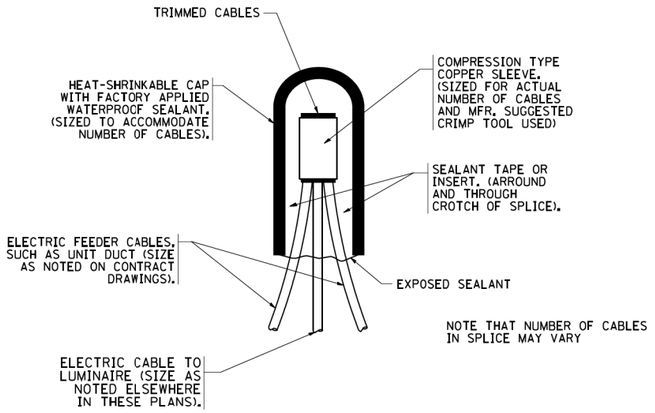

TYPICAL SPLICE DETAIL

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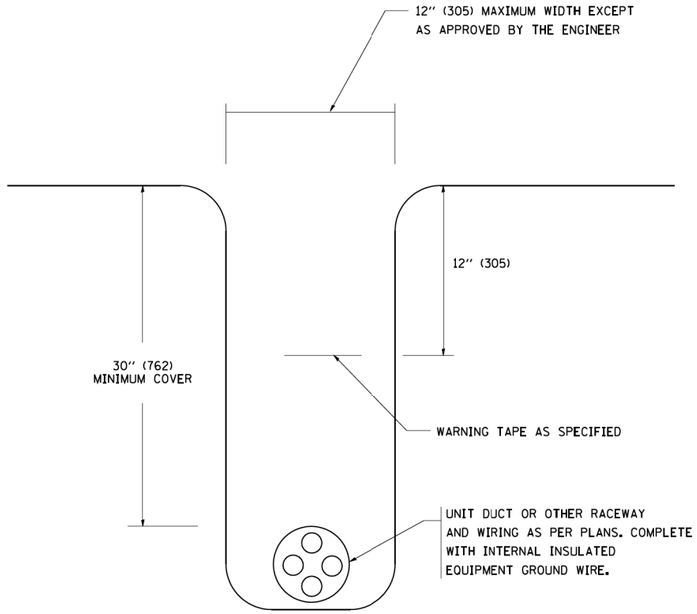

TYPICAL WIRING IN TRENCH DETAIL

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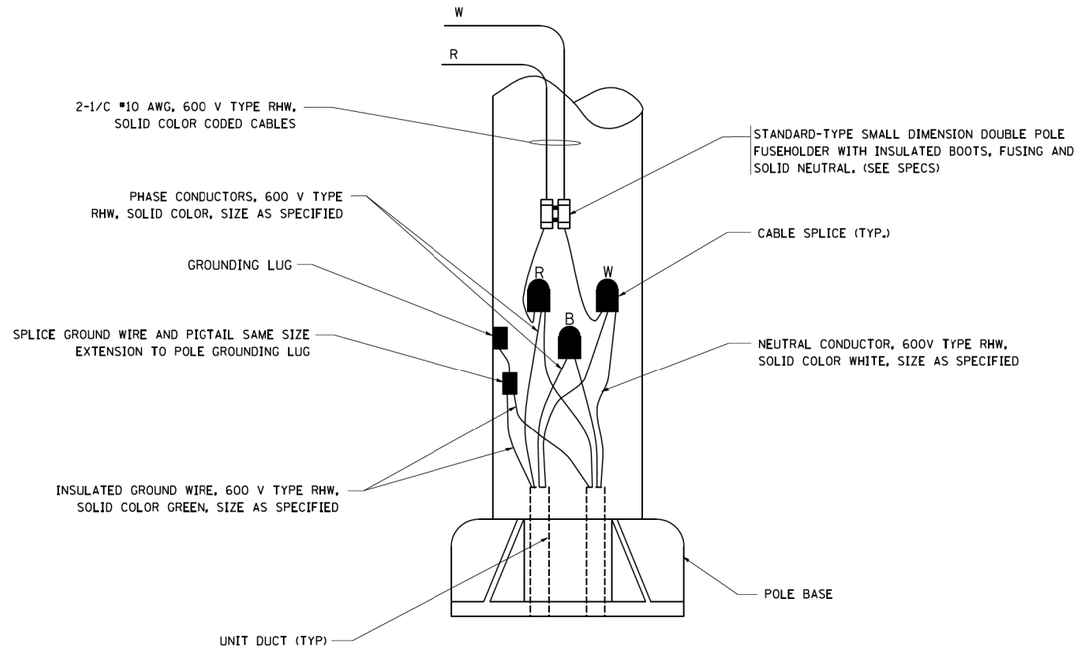

POLE WIRING DETAIL

N.T.S.

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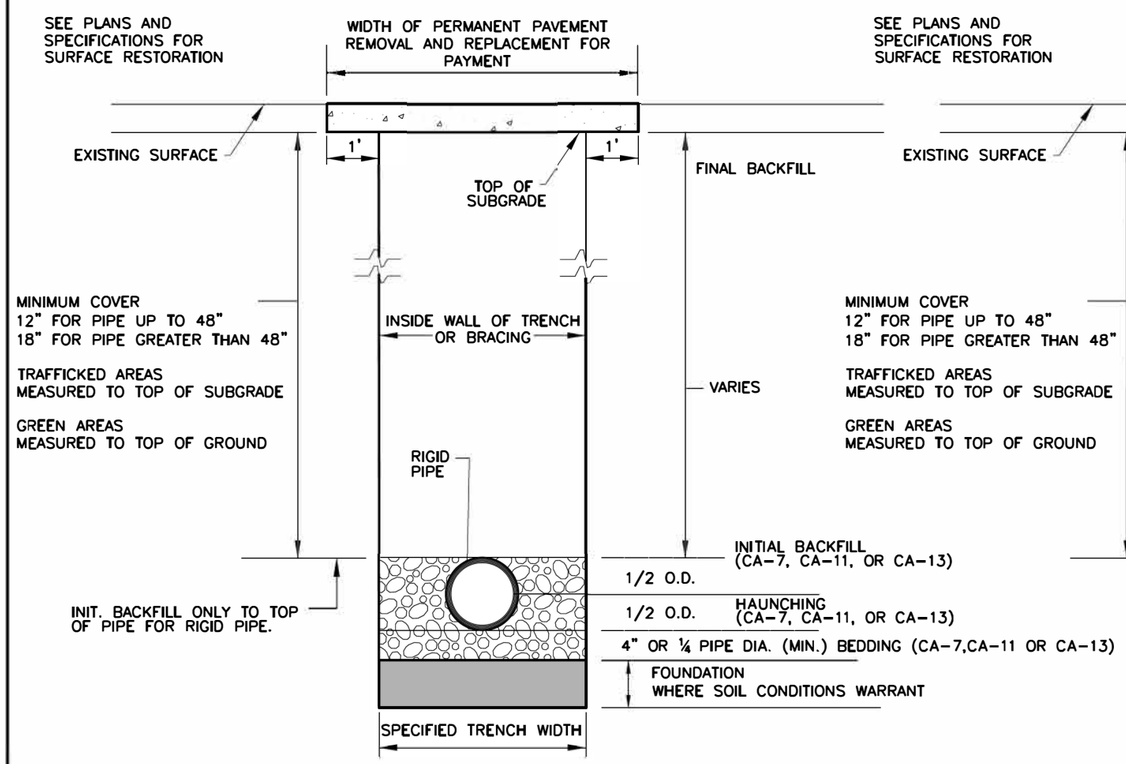
PLOT SCALE = 40.0000 ' / in.	CHECKED - PAS		REVISED -
PLOT DATE = 6/22/2020	DATE - 05-18-2020		REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

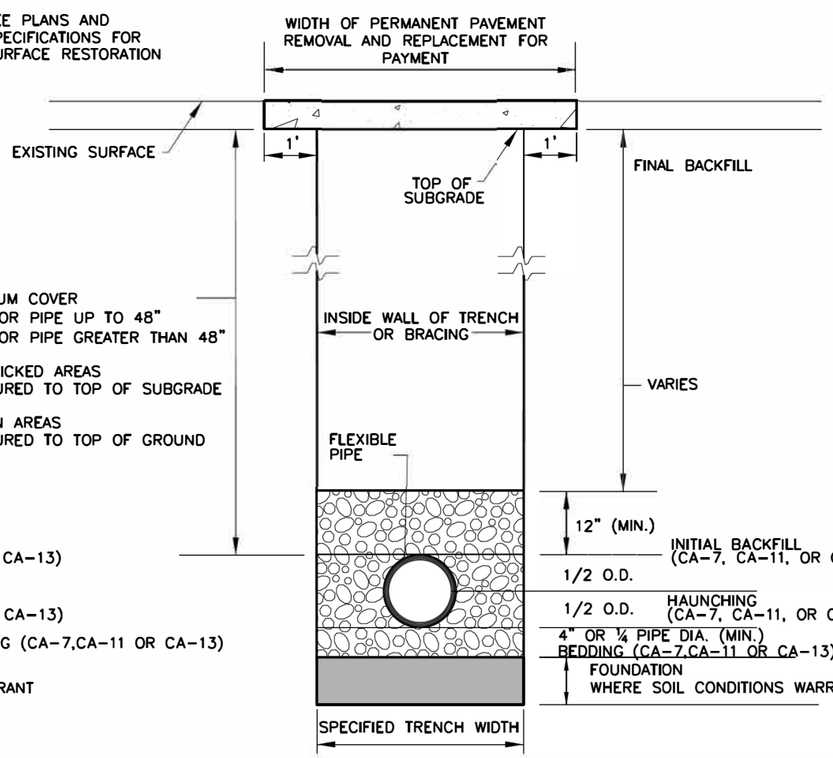
CENTRAL STREET BRIDGE
DISTRICT 1 STANDARD DETAIL

SCALE: NONE | SHEET 15F OF 15 SHEETS | STA. | TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1301	16-00278-00-BR	COOK	136	132F
		CONTRACT NO. 61F92		
	ILLINOIS	FED. AID PROJECT		



RIGID PIPE INSTALLATION DETAIL



FLEXIBLE PIPE INSTALLATION DETAIL

NOTES:
1. FOR QUALIFIED SEWER CONSTRUCTION ONLY.
2. SHORING, OR EQUIVALENT PROTECTIVE SYSTEM, REQUIRED FOR TRENCHES OF 5' DEPTH OR GREATER, OR AS REQUIRED BY MUNICIPALITY.

NOT TO SCALE

METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO

TECHNICAL GUIDANCE MANUAL

7/1/15

RIGID AND FLEXIBLE PIPE INSTALLATION DETAIL

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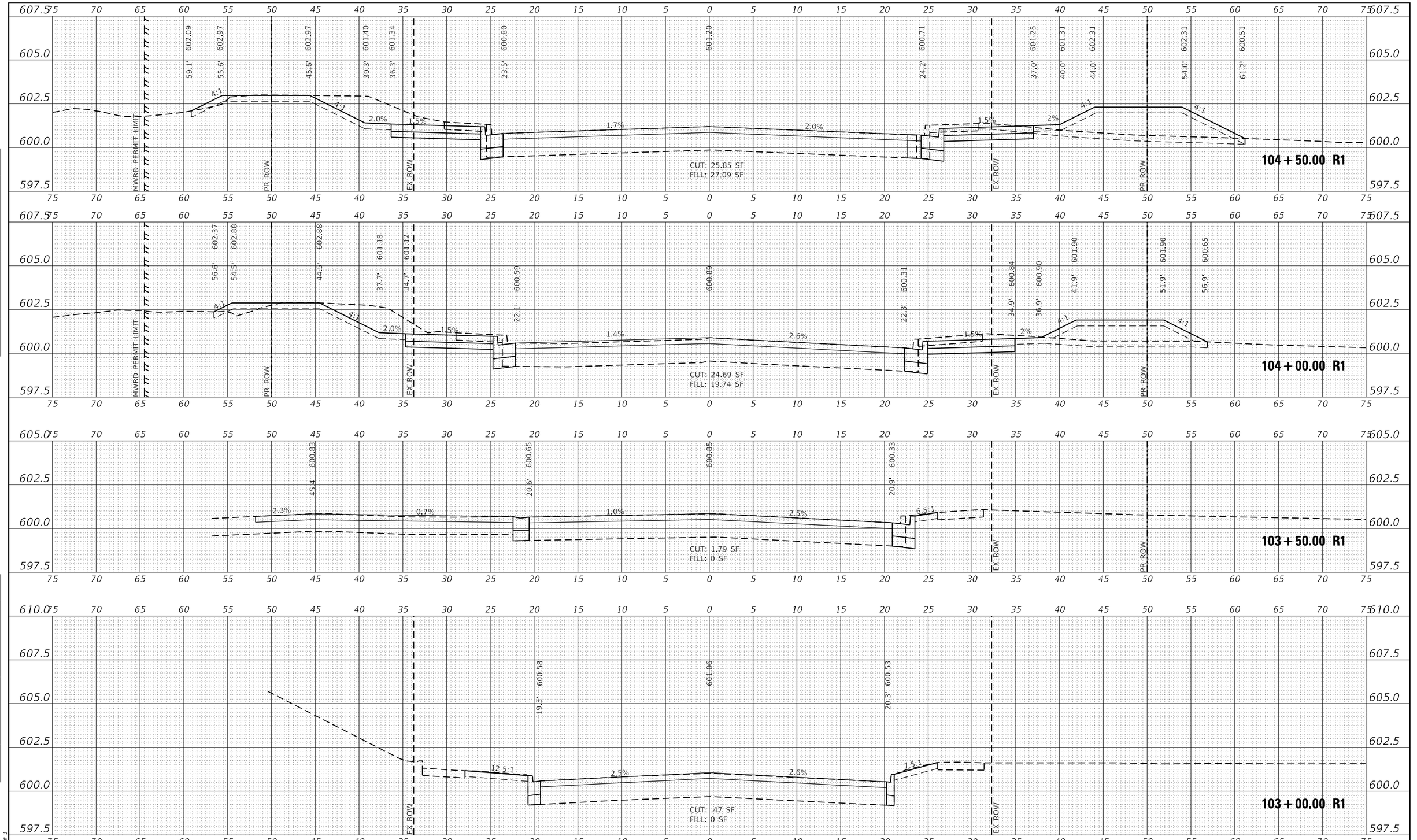
PLOT DATE = 5/13/2020	DATE - 05-18-2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CENTRAL STREET BRIDGE
MWRD STANDARD DETAIL

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1301	16-00278-00-BR	COOK	136	133
		CONTRACT NO. 61F92		
		ILLINOIS	FED. AID PROJECT	



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PLOT DATE = 5/13/2020	DATE - 05-18-2020	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CENTRAL STREET BRIDGE
PROPOSED CROSS SECTIONS

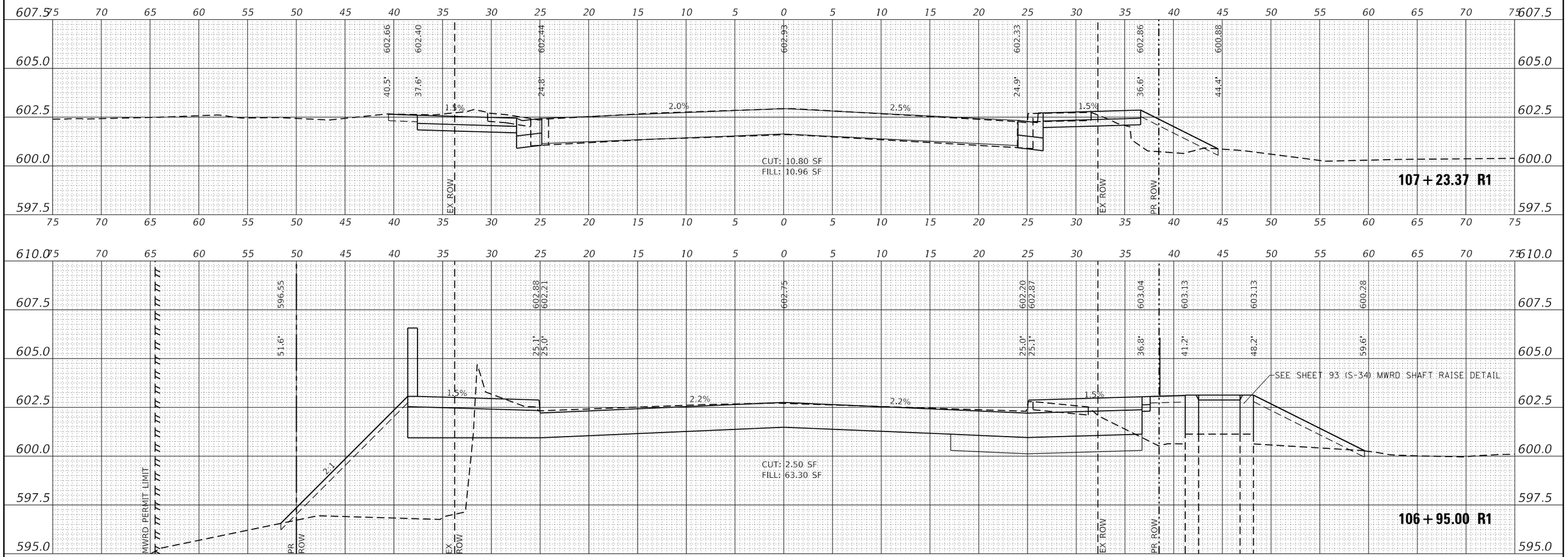
SCALE: 1"=5" | SHEET 1 OF 3 SHEETS | STA. 103+00.00 R1 TO STA. 104+50.00 R1

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1301	16-00278-00-BR	COOK	136	134
		CONTRACT NO. 61F92		
		ILLINOIS	FED. AID PROJECT	

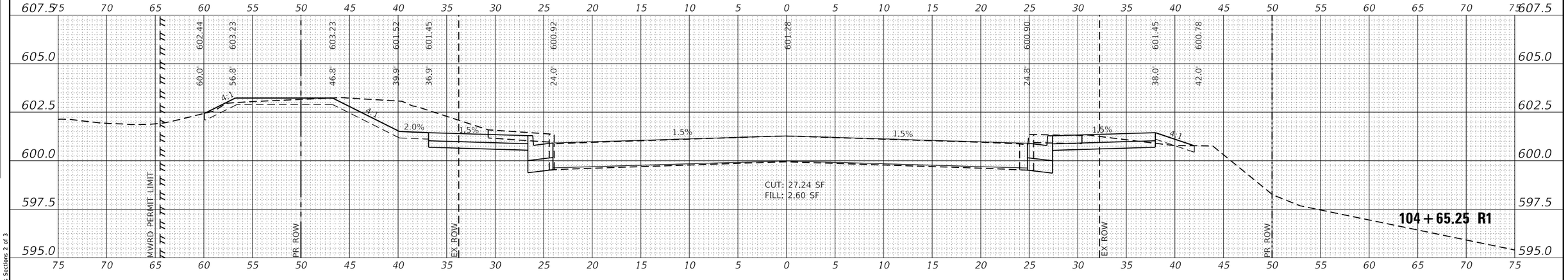
FINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

ORIGINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

MODEL: Default
FILE NAME: Cross Sections 1 of 3



BRIDGE OMISSION: STA 104 + 65.25 TO STA 106 + 95.00



USER NAME = 9695	DESIGNED - CEG	REVISED -	
	DRAWN - CEG	REVISED -	
PLOT SCALE = 10.0000 ' / in.	CHECKED - PAS	REVISED -	
PLOT DATE = 5/13/2020	DATE - 05-18-2020	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CENTRAL STREET BRIDGE
PROPOSED CROSS SECTIONS

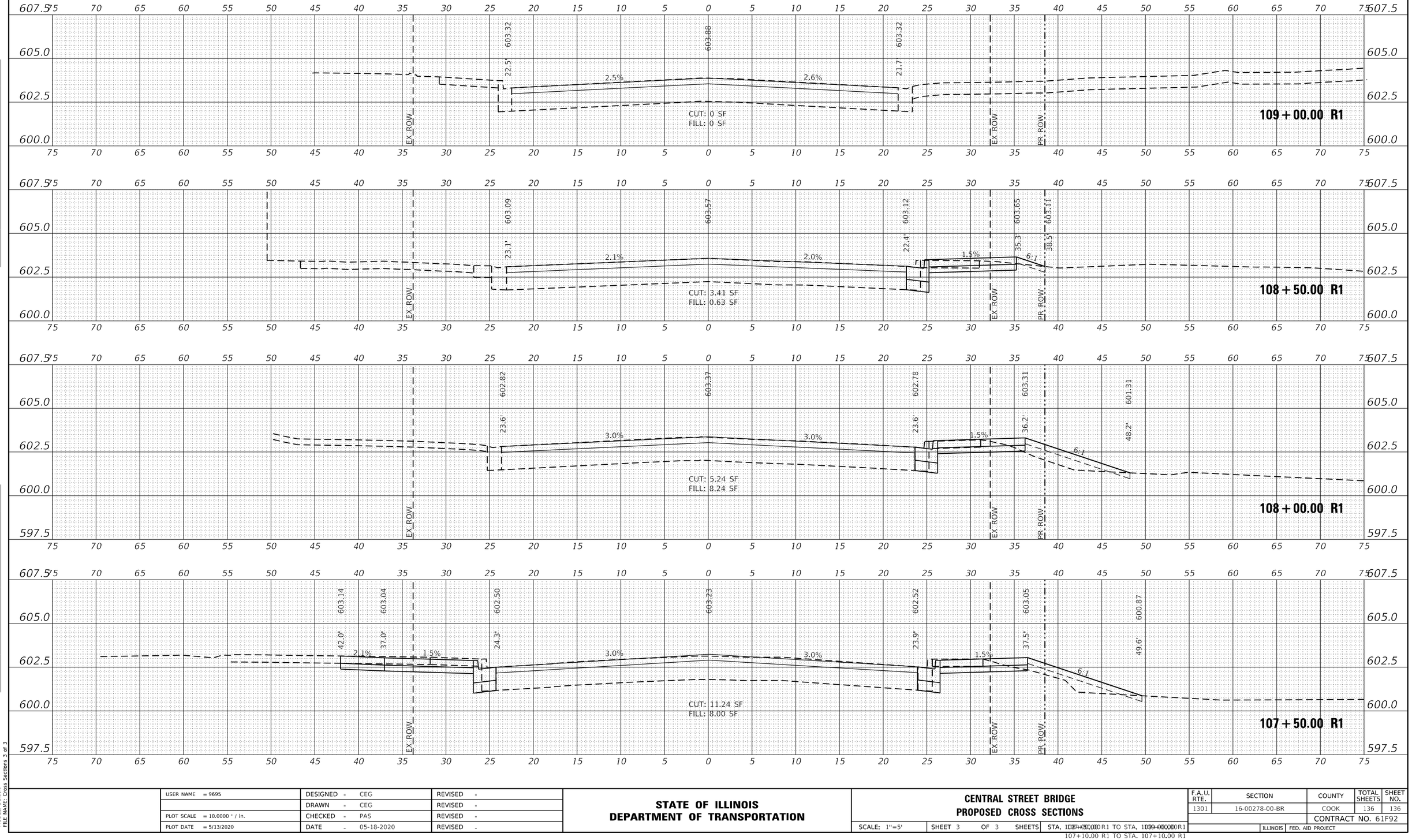
SCALE: 1"=5' | SHEET 2 OF 3 SHEETS | STA. 104+65.25 R1 TO STA. 107+23.37 R1

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1301	16-00278-00-BR	COOK	136	135
		CONTRACT NO. 61F92		
		ILLINOIS	FED. AID PROJECT	

FINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

ORIGINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

MODEL: Default
FILE NAME: Cross Sections 2 of 3



FINAL SURVEY	NOTE BOOK	NO.	BY	DATE
SURVEYED				
PLOTTED				
TEMPLATE				
AREAS				
AREAS CHECKED				

ORIGINAL SURVEY	NOTE BOOK	NO.	BY	DATE
SURVEYED				
PLOTTED				
TEMPLATE				
AREAS				
AREAS CHECKED				

MODEL: Default
FILE NAME: Cross Sections 3 of 3

USER NAME = 9695	DESIGNED - CEG	REVISED -
	DRAWN - CEG	REVISED -
PLOT SCALE = 10.0000 ' / in.	CHECKED - PAS	REVISED -
PLOT DATE = 5/13/2020	DATE - 05-18-2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CENTRAL STREET BRIDGE
PROPOSED CROSS SECTIONS

SCALE: 1"=5' | SHEET 3 OF 3 SHEETS | STA. 107+50.00 R1 TO STA. 109+00.00 R1
107+10.00 R1 TO STA. 107+10.00 R1

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1301	16-00278-00-BR	COOK	136	136
		CONTRACT NO. 61F92		
		ILLINOIS	FED. AID PROJECT	