

FAI RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	FAI 290 22 BRIDGE 3	COOK	161	1
ILLINOIS			CONTRACT NO. 62U12	

* 161 + 3 = 164 TOTAL SHEETS

D-91-323-22



LOCATION OF SECTION INDICATED THUS: —

FOR INDEX OF SHEETS, SEE SHEET NO. 2

DESIGN DESIGNATION
LOCAL STREET

TRAFFIC DATA

ADT:

5,656 (2023)

SPEED LIMIT

30 MPH (POSTED)

30 MPH (DESIGN)

THE PROJECT IS LOCATED IN
THE CITY OF CHICAGO

SUBSURFACE UTILITY ENGINEERING (SUE)
UTILIZED ON THIS PROJECT

MEADE ELECTRIC CO. DISTRICT ONE ELECTRICAL MAINTENANCE
CONTRACTOR LOCATES IDOT ELECTRICAL EQUIPMENT AND
UNDERGROUND CABLES (773) 287-7672

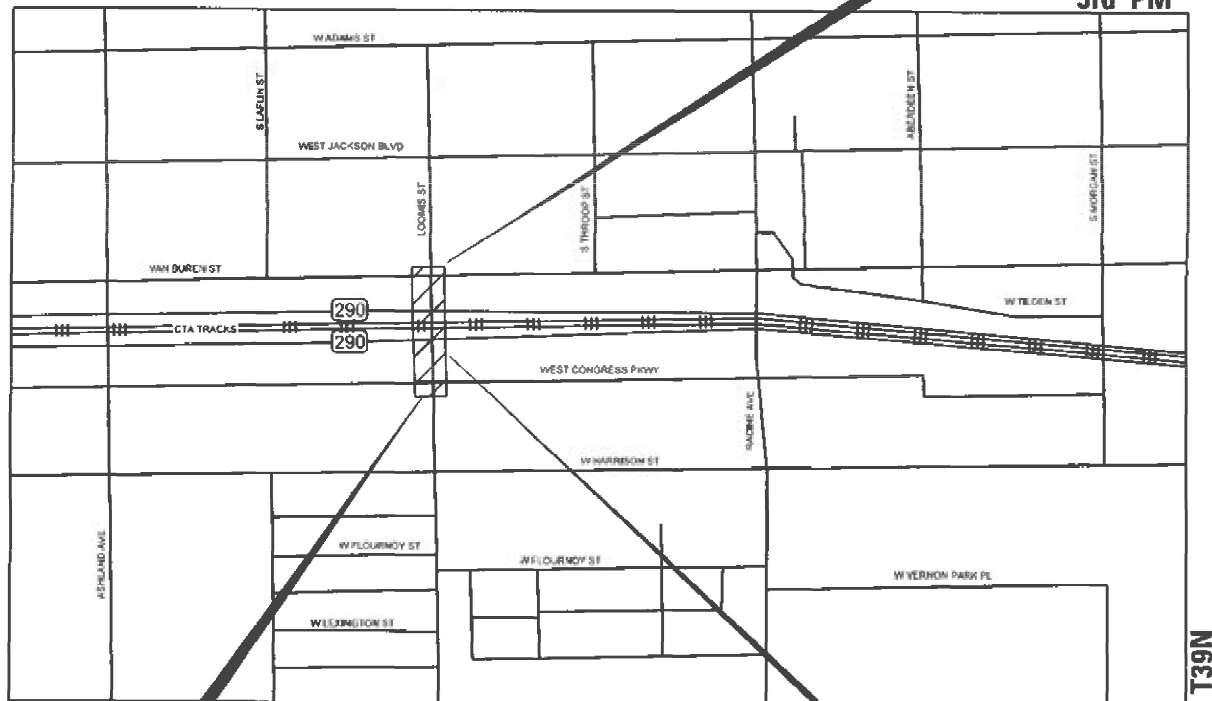
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED
HIGHWAY PLANS

F.A.I. 290 (INTERSTATE 290)
AT LOOMIS STREET
SECTION FAI 290 22 BRIDGE 3
PROJECT NHPP-1REM(318)
SUPERSTRUCTURE REPLACEMENT
COOK COUNTY

C-91-005-23

END PROJECT
STA 605 + 25.00

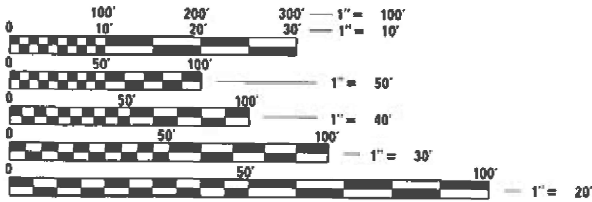


LOCATION MAP
NOT TO SCALE

BEGIN PROJECT
STA 600 + 05.00

SUPERSTRUCTURE REPLACEMENT
STA. 601 + 08.97 TO STA. 604 + 18.97
S.N. 016-2114

GROSS LENGTH = 520 FT. = 0.10 MILE



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

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

PROJECT MANAGER: PRAVEEN KAINI (847) 705-4237

CONTRACT NO. 62U12



PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

INDEX OF SHEETS

1	COVER SHEET
2-3	INDEX, HIGHWAY STANDARDS, GENERAL NOTES AND COMMITMENTS
4-17	SUMMARY OF QUANTITIES
18-20	TYPICAL SECTIONS
21-22	ALIGNMENT, TIES, AND BENCHMARKS
23	REMOVAL PLAN
24-25	PLAN & PROFILE SHEET
26-34	SUGGESTED MAINTENANCE OF TRAFFIC PLANS
35	DRAINAGE PLAN
36-37	SUE PLANS
38-42	PLAT OF HIGHWAYS
43-44	PAVEMENT MARKING AND LANDSCAPING PLAN
45	PAVEMENT MARKING (1-290)
46-49	SIGNING PLAN
50-53	ADA RAMP DETAILS
54-65	LIGHTING PLANS
66-92	TRAFFIC SIGNAL MODERNIZATION PLANS
93-130	STRUCTURAL PLANS
131-138	EXISTING STRUCTURE PLANS (FOR INFORMATION ONLY)
139-142	CITY OF CHICAGO DETAIL
143-161	DISTRICT ONE STANDARD DETAILS

DISTRICT ONE DETAILS

BD-07	DETAILS OF STORM SEWER CONNECTION TO EXISTING SEWER
BD-08	DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING
BD-22	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT
BD-58	CITY OF CHICAGO DETECTABLE WARNINGS
TC-08	ENTRANCE AND EXIT RAMP CLOSURE DETAILS
TC-09	TRAFFIC CONTROL DETAILS FOR FREEWAY SINGLE & MULTILANE WEAVE
TC-10	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS AND DRIVEWAYS
TC-11	RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)
TC-12	MULTI-LANE FREEWAY PAVEMENT MARKINGS
TC-13	DISTRICT ONE TYPICAL PAVEMENT MARKINGS
TC-16	SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS
TC-17	TRAFFIC CONTROL FOR FREEWAY SHOULDER CLOSURES AND PARTIAL RAMP CLOSURES
TC-18	FREEWAY/EXPRESSWAY SIGNING FOR FLAGGING OPERATIONS AT WORK ZONE OPENINGS ON FREEWAYS/EXPRESSWAYS
TC-21	DETOUR SIGNING FOR CLOSING STATE HIGHWAYS
TC-22	ARTERIAL ROAD INFORMATION SIGN
TC-24	CITY OF CHICAGO TYPICAL PAVEMENT MARKINGS
TC-26	DRIVEWAY ENTRANCE SIGNING

HIGHWAY STANDARDS

000001-09	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
001006	DECIMAL OF AN INCH AND OF A FOOT
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
420401-13	PAVEMENT CONNECTOR (PCC) FOR BRIDGE APPROACH SLAB
424001-12	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
442201-04	CLASS C AND D PATCHES
515001-04	NAME PLATE FOR BRIDGES
602001-02	CATCH BASIN TYPE A
602601-06	PRECAST REINFORCED CONCRETE FLAT SLAB TOPS
602701-02	MANHOLE STEPS
604001-05	FRAME AND LIDS TYPE 1
604091-05	FRAME AND GRATE TYPE 24
606001-09	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
664001-02	CHAIN LINK FENCE
701101-05	OFF-ROAD OPERATIONS, MULTILANE, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE
701400-12	APPROACH TO LANE CLOSURE, FREEWAY/EXPRESSWAY
701401-13	LANE CLOSURE, FREEWAY/EXPRESSWAY
701411-09	LANE CLOSURE, MULTILANE, AT ENTRANCE OR EXIT RAMP, FOR SPEEDS >45 MPH
701427-05	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATIONS, SPEEDS <40 MPH
701428-01	TRAFFIC CONTROL SETUP AND REMOVAL FREEWAY/EXPRESSWAY
701446-11	TWO LANE CLOSURE, FREEWAY/EXPRESSWAY
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701502-09	URBAN LANE CLOSURE, 2L, 2W WITH BIDIRECTIONAL LEFT TURN LANE
701601-09	URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-06	SIDEWALK, CORNER, OR CROSSWALK CLOSURE
701901-11	TRAFFIC CONTROL DEVICES
704001-08	TEMPORARY CONCRETE BARRIER
720001-01	SIGN PANEL MOUNTING DETAILS
720006-04	SIGN PANEL ERECTION DETAILS
720011-01	METAL POSTS FOR SIGNS, MARKERS, AND DELINEATORS
725001-01	OBJECT AND TERMINAL MARKERS
780001-05	TYPICAL PAVEMENT MARKINGS
781001-04	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
814001-03	HANDHOLES
814006-03	DOUBLE HANDHOLES
836001-04	LIGHT POLE FOUNDATION
857001-01	STANDARD PHASE DESIGNATION DIAGRAMS AND PHASE
862001-01	UNINTERRUPTABLE POWER SUPPLY



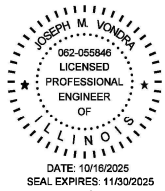
9/5/2025 DATE
MATTHEW CESARIO
BLA, INC.
NO.: 062-066160
EXP.: 11/30/2025
APPLY TO SHEETS:
1-25, 35-53, 139-161



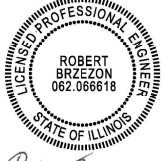
9/5/2025 DATE
PETER DOMBROWSKI
BLA, INC.
NO.: 081-006519
EXP.: 11/30/2026
APPLY TO SHEETS:
93-138



9/5/2025 DATE
BRENDA D. LOWERY
AMES ENGINEERING
NO.: 062-065244
EXP.: 11/30/2025
APPLY TO SHEETS:
54-65



9/5/2025 DATE
JOSEPH M. VONDRA
CIORBA
NO.: 062-055846
EXP.: 11/30/2025
APPLY TO SHEETS:
66-92



9/5/2025 DATE
ROBERT BRZEZON
EFK MOEN
NO.: 062.066618
EXP.: 11/30/2025
APPLY TO SHEETS:
26-34

GENERAL NOTES

- ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION ADOPTED JANUARY 1, 2022 (HEREIN AFTER REFERRED TO AS THE STANDARD SPECIFICATIONS; THE SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS ADOPTED JANUARY 1, 2026; THE LATEST EDITION OF THE ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS; THE STANDARD SPECIFICATIONS FOR WATER & SEWER MAIN CONSTRUCTION IN ILLINOIS, LATEST EDITION.
- ALL WORK SHALL BE COMPLETED WITHIN THE LIMITS OF THE PROJECT SHOWN. NO EQUIPMENT, MATERIAL YARD OR FIELD OFFICE SHALL BE SET UP OR STORED ON COUNTY, CITY, STATE, OR PRIVATE PROPERTY WITHOUT WRITTEN PERMISSION OF THE ENGINEER.
- TRAFFIC CONTROL DEVICES: ALL TRAFFIC CONTROL DEVICES USED FOR THE DETOUR AS DETAILED ON THE PLANS SHALL BE REFLECTORIZED PRIOR TO INSTALLATION AND CLEANED AS NECESSARY THROUGHOUT THE DURATION OF THE CONTRACT OR AS DIRECTED BY THE ENGINEER.
- DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS
- NO WORK SHALL COMMENCE UNTIL TRAFFIC CONTROL REQUIREMENTS ARE MET.
- CONTRACTOR SHALL TAKE PRECAUTION BY PRESERVING EXISTING TREES WITHIN THE RIGHT OF WAY. IF ANY DAMAGE OCCURS, TREES SHALL BE REPLACED IN KIND PER ARTICLE 201.07 REPAIR OR REPLACEMENT OF EXISTING PLANT MATERIAL REQUIREMENTS STATED HEREIN.
- THE RESIDENT ENGINEER SHALL CONTACT THE AREA TRAFFIC FIELD ENGINEER REGINA COOPER AT REGINA.COOPER2@ILLINOIS.GOV.A MINIMUM OF 2 WEEKS PRIOR TO PLACEMENT OF PERMANENT PAVEMENT MARKINGS.
- THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES, THE CITY OF CHICAGO, AND WITH LOCAL EMERGENCY SERVICES.
- WHEN MILLED PAVEMENT IS OPEN TO TRAFFIC THE MAXIMUM GRADE DIFFERENTIAL BETWEEN PASSES OF THE MILLING MACHINE SHALL NOT EXCEED 1 1/2 INCHES WHERE THE SPEED LIMIT IS 45MPH OR LESS, AND 1 INCH WHERE THE SPEED LIMIT IS GREATER THAN 45MPH. WITH WRITTEN APPROVAL FROM THE ENGINEER, A MAXIMUM GRADE DIFFERENTIAL OF 3 INCHES MAY BE ALLOWED IF THE EDGE OF THE MILLING IS SLOPED A MINIMUM 1:3 (V:H).
- ALL PAVEMENT PATCHING LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
- THE CONTRACTOR SHALL CONTACT THE IDOT DISTRICT ONE TRAFFIC CONTROL SUPERVISOR CARLOS MUNOZ AT CARLOS.MUNOZ@ILLINOIS.GOV.A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
- CTA TRAFFIC PLANNING MUST BE NOTIFIED AT LEAST 2 WEEKS IN ADVANCE OF THE TIME CONSTRUCTION WILL COMMENCE AND IN ADVANCE OF ANY IMPACT TO BUS STOPS OR BUS OPERATIONS. TRAFFIC.PLANNING@TRANSITCHICAGO.COM.
- 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 LOCATIONS CAN BE RE-ESTABLISHED FOR STRIPING. EXACT LOCATIONS OF ALL PAVEMENT MARKINGS SHALL BE AS DIRECTED BY THE ENGINEER.
- FRAMES AND GRATES FOR ADJUSTMENT OF PRIVATE UTILITIES WITHIN THE LIMITS OF THE IMPROVEMENTS SHALL BE DONE BY THEIR RESPECTIVE OWNERS AND ARE NOT PART OF THIS CONTRACT.
- 2-FOOT TRANSITIONS SHALL BE USED TO MATCH PROPOSED CURB AND GUTTER ITEMS TO EXISTING CURBS AND GUTTERS UNLESS OTHERWISE SHOWN. THE TRANSITIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR THE PROPOSED ITEMS OF WORK.
- PAVEMENT MARKING TAPE, TYPE IV SHALL BE USED FOR SHORT TERM PAVEMENT MARKINGS ON ALL FINAL SURFACES.
- ANY REFERENCE TO STANDARD THROUGHOUT THE PLANS OR SPECIAL PROVISIONS SHALL BE INTERPRETED AS THE LATEST STANDARD OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE OWNERS OF ALL UTILITIES PRIOR TO CONSTRUCTION TO DETERMINE THE LOCATION OF ALL EXISTING AND PROPOSED UTILITY EQUIPMENT. THE CONTRACTOR SHALL COOPERATE WITH ALL UTILITY OWNERS AS PROVIDED FOR IN THE STANDARD SPECIFICATIONS, IF UTILITY RELOCATION, ADJUSTMENT, OR PROTECTION IS NECESSARY.
- THE LOCATIONS OF EXISTING UTILITIES SHOWN ON THE PLANS ARE FOR INFORMATIONAL PURPOSES ONLY AND ARE BASED ON FIELD INVESTIGATIONS AND THE BEST INFORMATION AVAILABLE. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN THEIR EXACT LOCATIONS FROM THE UTILITY COMPANIES AND BY FIELD INSPECTION.
- BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "J.U.L.I.E." AT (800)892-0123 OR 811 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE, AND GAS UTILITIES. 48 HOURS NOTIFICATION IS REQUIRED.
- WHEN ARTIFICIAL LIGHTING IS UTILIZED IN NIGHT OPERATIONS THE CONTRACTOR SHALL EXERCISE THE UTMOST PRECAUTIONS IN PREVENTING ADVERSE VISIBILITY TO THE MOTORING PUBLIC AND ADJOINING RESIDENTIAL AREAS.
- THE CONTRACTOR SHALL TAKE CARE IN REMOVING OR EXCAVATING NEAR ALL EXISTING ITEMS WHICH WILL REMAIN. ANY DAMAGE DONE TO EXISTING ITEMS BY THE CONTRACTOR SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE. ANYTHING DISTURBED OUTSIDE THE PROJECT LIMITS IS THE CONTRACTOR'S RESPONSIBILITY AND SHALL BE REPLACED IN KIND. NO ADDITIONAL COMPENSATION WILL BE AWARDED.
- THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS, AS REQUIRED, PRIOR TO COMMENCING WITH CONSTRUCTION. ANY COST ASSOCIATED WITH OBTAINING THESE PERMITS SHALL BE CONSIDERED INCLUDED IN THE CONTRACT UNIT PRICE FOR THE ITEMS BEING INSTALLED.
- THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING TEMPORARY DRAINAGE THROUGHOUT THE CONSTRUCTION OF THIS PROJECT. THIS WORK WILL NOT BE PAID FOR SEPERATELY BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF THE PROPOSED DRAINAGE ITEMS.



BLA, Inc.
ITASCA, ILLINOIS

USER NAME = jrodriguez	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 20.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 10/16/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INDEX, HIGHWAY STANDARDS, GENERAL NOTES, & COMMITMENTS
LOOMIS STREET OVER I-290 (FAI 290)

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	FAI 290 22 BRIDGE 3	COOK	161	2
CONTRACT NO. 62U12				
ILLINOIS FED. AID PROJECT				

GENERAL NOTES (CONTINUED)

26. THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER A SATISFACTORY PROGRESS SCHEDULE AND CRITICAL PATH SCHEDULE WHICH SHALL SHOW THE PROPOSED SEQUENCE OF WORK AT THE TIME OF THE PRE-CONSTRUCTION CONFERENCE.
27. ALL ELEVATIONS ARE ON THE U.S.G.S. DATUM NAVD88.
28. ALL OFFSET LOCATIONS GIVEN ON THE DETAILED PLANS FOR STRUCTURES, BACK OF CURBS, ETC. ARE FROM THE CENTERLINE AS SHOWN ON THE PLANS.
29. ANY LOOSE MATERIAL DEPOSITED IN THE FLOW LINE OF DRAINAGE STRUCTURES WHICH OBSTRUCTS THE NATURAL FLOW OF WATER SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. PRIOR TO ACCEPTANCE OF IMPROVEMENT, ALL DRAINAGE STRUCTURES SHALL BE FREE OF DIRT AND DEBRIS. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF THE PROPOSED DRAINAGE ITEMS.
30. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING FRESH CONCRETE FROM DAMAGE AND VANDALISM. ANY DAMAGED OR VANDALIZED CONCRETE SHALL BE REMOVED AND REPLACED AT THE CONTRACTOR'S EXPENSE.
31. THE COST OF PLUGGING EXISTING SEWER SHALL BE INCLUDED IN THE COST OF THE SEWER BEING REMOVED.
32. BACKFILLING STORM SEWER CONSTRUCTED UNDER THE ROADWAY SPECIFIED UNDER ARTICLE 550.07(B,C) OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION WILL NOT BE ALLOWED.
33. THE CONTRACTOR SHALL COORDINATE WITH THE CTA ON THE CLOSURE OF THE RAMP ON THE PLATFORM.
34. MEADE ELECTRIC CO. DISTRICT ONE ELECTRICAL MAINTENANCE CONTRACTOR LOCATES IDOT ELECTRICAL EQUIPMENT AND UNDERGROUND CABLES 773-287-7672.

COMMITMENTS

1. COMMITMENTS ARE NOT TO BE ALTERED WITHOUT WRITTEN APPROVAL OF ALL PARTIES.
2. ADJACENT I-290 OVERHEAD BRIDGES SHALL NOT BE CLOSED/DETOURED CONCURRENTLY DURING CONSTRUCTION.

CITY OF CHICAGO NOTES

1. ALL NEW CURB INSTALLATION ADJACENT TO FIRE HYDRANTS MUST BE PAINTED "SAFETY YELLOW" FOR 15 FEET ON EACH SIDE OF THE FIRE HYDRANT EXCEPT WHERE THE 15-FOOT DIMENSION INTERSECTS A CROSSWALK, DRIVEWAY OR SIMILAR FEATURE. THE COST SHALL BE INCLUDED WITH THE COST OF THERMOPLASTIC PAVEMENT MARKING - LINE 24".
2. PERMITS FROM THE DEPARTMENT OF WATER MANAGEMENT - SEWER SECTION ARE REQUIRED FOR RESURFACING WORK INVOLVING ADJUSTMENT OF CITY OF CHICAGO SEWER STRUCTURES. THE PERMIT MUST BE OBTAINED BY A LICENSED SEWER DRAIN LAYER PRIOR TO START OF CONSTRUCTION. THE LICENSED SEWER CONTRACTOR OR SUBCONTRACTOR MUST SUBMIT TWO (2) SETS OF PLANS APPROVED BY THE DEPARTMENT OF SEWERS FOR THE ISSUE OF THE SEWER PERMIT IN SUITE 410- 333 SOUTH STATE STREET CHICAGO, IL 60604. INSPECTION WILL BE PROVIDED BY THE DEPARTMENT OF SEWERS.
3. IN CASE OF DAMAGE TO CITY OF CHICAGO SEWERS, PRIVATE AND PUBLIC DRAINS, SEWER STRUCTURES AND/OR BENCH MONUMENTS, THE CONTRACTOR SHALL IMMEDIATELY CONTACT THE DEPARTMENT OF WATER MANAGEMENT - SEWER SECTION AT (312)747-7892 OR (312)747-7893.
4. THE CONTRACTOR MUST NOTIFY CHICAGO'S OFFICE OF EMERGENCY MANAGEMENT AND COMMUNICATION (OEMC) 48 HOURS BEFORE COMMENCING CONSTRUCTION OR CHANGING TRAFFIC FLOW.
5. CITY OF CHICAGO WATER VALVE VAULTS AND SEWER STRUCTURES SHALL NOT BE CLOSED, COVERED OR OTHERWISE OBSTRUCTED DURING CONSTRUCTION WITHOUT WRITTEN PERMISSION FROM THE CITY OF CHICAGO DEPARTMENT OF WATER AND/OR DEPARTMENT OF WATER MANAGEMENT SEWER SECTION.
6. THE CONTRACTOR SHALL CONTACT THE CHICAGO TRANSIT AUTHORITY AT TRAFFIC.PLANNING@TRANSITCHICAGO.COM OR BY PHONE AT (312)-681-4151 SIX (6) WEEKS PRIOR TO CONSTRUCTION TO REPORT TRAFFIC IMPACTS.
7. THE CTA REQUIRES THAT NO TWO CONSECUTIVE BUS STOPS IN ONE DIRECTION OF TRAVEL ARE ELIMINATED AT THE SAME TIME. THE CONTRACTOR SHALL SUBSTAGE WORK AS NECESSARY OR PROVIDE TEMPORARY ADA COMPLIANT PEDESTRIAN ACCESS THROUGH THE WORK ZONE TO AN EXISTING OR TEMPORARILY RELOCATED BUS STOP.
8. CTA TRAFFIC PLANNING MUST BE NOTIFIED AT LEAST 2 WEEKS IN ADVANCE OF THE TIME CONSTRUCTION WILL COMMENCE, AND IN ADVANCE OF ANY IMPACT TO BUS STOPS OR BUS OPERATIONS. TRAFFIC.PLANNING@TRANSITCHICAGO.COM.
9. CTA OPERATES BUSES ON VAN BUREN STREET AND REQUIRE A MINIMUM OF 11 FOOT LANE WIDTHS. THE CONTRACTOR AND ENGINEER SHALL CONTACT CTA TRAFFIC PLANNING TO DISCUSS IMPACTS SHOULD THERE BE DISRUPTIONS TO THE BUS ROUTING. AT LEAST TWO WEEKS NOTICE IS REQUIRED FOR ANY BUS SERVICE CHANGES. CTA'S POINT OF CONTACT: JACK CHALABIAN - COORDINATOR, TRAFFIC PLANNING. JCHALABIAN@TRANSITCHICAGO.COM OR DIRECT OFFICE LINE AT 312-681-4176
10. EXISTING CROWN CASTLE FACILITIES ARE IN THE AREA AND EXTREME CAUTION SHALL BE USED. HAND TRENCH WITHIN 3 FEET OF CROWN CASTLE FACILITIES TO VISUALLY LOCATED AND A MINIMUM OF 12 INCH CLEARANCE (VERTICAL & HORIZONTAL) FROM EXISTING CROWN CASTLE FACILITIES IS REQUIRED. CONTACT DIGGER FOR LOCATES A MINIMUM OF 48 HOURS BEFORE BEGINNING CONSTRUCTION.
11. THE CONTRACTOR SHALL COORDINATE TRAFFIC CONTROL (INCLUDING LANE CLOSURES, VEHICLE AND EQUIPMENT PLACEMENT, ETC) WITH CDOT-DIVISION OF INFRASTRUCTURE MANAGEMENT PRIOR TO IMPLEMENTATION OF ASSOCIATED WORK STAGES. DETOUR ROUTING TO BE REVIEWED AT THE TIME OF CONSTRUCTION TO RESOLVE ANY SHORT TERM CONFLICTS WITH NEARBY WORK ZONES OR OTHER CLOSURES. CONTRACTOR TO SUBMIT CLOSURE PERMIT REQUEST TO CDOT-PERMITS (THIS TYPE OF ACTIVITY CANNOT BE REQUESTED ONLINE AND MUST BE GENERATED BY CDOT) AND PROVIDE A MINIMUM OF 2 WEEKS NOTICE TO CTA FOR IMPACTS TO BUS SERVICE.
12. THE CONTRACTOR SHALL USE EXTREME CAUTION WHEN WORKING NEAR AND ABOVE TRACK STRUCTURES, NEAR THE TRACKS AND THEIR FOUNDATIONS, AND BELOW EXISTING SIGNAL AND COMMUNICATION CABLES. ALL EXCAVATION AND DEMOLITION WORK, MINIMUM 4'- 6" NEAR EXISTING CTA'S STRUCTURES SHALL BE DONE BY HAND. THE CONTRACTOR SHALL PROTECT ALL CTA'S STRUCTURES AND TRAINS FROM CONSTRUCTION DEBRIS. FLAGMEN MAY BE REQUIRED AT TRACK LEVEL IF ANY TRAINS NEED TO BE STOPPED FOR ANY POTENTIALLY DANGEROUS CRANE PICKS OR ANY OTHER WORK THAT MIGHT AFFECT A TRAIN ROUTE.
13. THE CONTRACTOR SHALL RESTORE ALL DAMAGED STRUCTURES AND UTILITIES TO THE SATISFACTION OF THE CTA. THE CONTRACTOR SHALL FOLLOW THE CTA'S ADJACENT CONSTRUCTION MANUAL, CURRENT ADDITION. COORDINATION OF THE INSURANCE REQUIREMENTS SHALL OCCUR WITH LINDA LEE, CPCU, ARM, AIC, AINS, CSM - CTA RISK COMPLIANCE - LAW DEPARTMENT (PH: 312-681-2921/ EMAIL: LLEE@TRANSITCHICAGO.COM) THIS WORK IS SUBJECT TO THE REQUIREMENTS ESTABLISHED IN THE CTA ADJACENT CONSTRUCTION MANUAL AND "CTA REQUIREMENTS FOR CONTRACTOR'S WORKING ALONG RIGHT-OF-WAY (R.O.W.)" WHICH CAN BE FOUND AT [HTTP://WWW.TRANSITCHICAGO.COM/NEARBYCONSTRUCTION](http://www.transitchicago.com/nearbyconstruction)
14. ALL CONSTRUCTION ACTIVITIES SHALL BE COORDINATED WITH THE CTA WITH ABBIN CARRILLO CONSTRUCTION PROJECT MANAGER III, CAPITAL.
15. PEOPLES GAS MAINS AND SERVICES ARE PRESENT. THE CONTRACTOR SHALL USE CAUTION. CONTACT 811 CHICAGO/DIGGER 312-744-7000 OR LOCATES 48 HOURS PRIOR TO START OF CONSTRUCTION. USE EXTREME CAUTION NEAR ALL GAS FACILITIES DURING CONSTRUCTION AND RELATED EXCAVATION ACTIVITIES. HAND DIG OR NON-INVASIVE EXCAVATION IS REQUIRED TO FIELD VERIFY THE HORIZONTAL AND VERTICAL LOCATION OF GAS FACILITIES PRIOR TO CROSSING AND WORKING WITHIN 3 FEET OF ALL GAS FACILITIES. A MINIMUM OF 3' HORIZONTAL EDGE TO EDGE CLEARANCE IS REQUIRED FOR GAS FACILITIES WITH DIAMETERS OF 16" OR SMALLER, AND 5 FT EDGE TO EDGE CLEARANCE FOR GAS FACILITIES WITH DIAMETERS 18" AND LARGER. MAINTAIN A MINIMUM OF 18" EDGE TO EDGE VERTICAL CLEARANCE WHEN CROSSING GAS FACILITIES 16" OR LESS IN DIAMETER, AND 24" EDGE TO EDGE VERTICAL CLEARANCE WHEN CROSSING 18" AND LARGER DIAMETER GAS FACILITIES.
16. CONTACT 811 CHICAGO/DIGGER 312-744-7000 OR LOCATES 48 HOURS PRIOR TO START OF CONSTRUCTION. VALVE BASIN FRAMES, COVERS, GAS SHUT-OFF VALVES, ROADWAY BOXES SHALL NOT BE BURIED/COVERED AND REQUIRE UNRESTRICTED ACCESS AT ALL TIMES. FOR VERTICAL ADJUSTMENTS CONTACT PAVING AND RESTORATION AT PGLRESTORATION@PEOPLES GAS DELIVERY.COM, 4 WEEKS PRIOR TO THE START OF RESTORATION FOR PLANNING & SCHEDULING. ALL GAS FACILITIES ARE TO BE MAINTAINED. ANY DAMAGES TO PEOPLES GAS FACILITIES SHALL BE THE RESPONSIBILITY OF THE INSTALLING UTILITY AND THEIR CONTRACTOR(S). CALL 866-556-6000 IMMEDIATELY FOR ANY DAMAGES TO THE GAS FACILITIES. THE USE OF CONCRETE, FLOW FILL, OR THE LIKE IS PROHIBITED WITHIN 24 INCHES OF ALL GAS FACILITIES, NOR SHALL IT ENCASE ANY GAS FACILITY. A BUFFER OF 24" SAND IS TO BE USED BETWEEN FLOW FILL AND ALL GAS FACILITIES. A MINIMUM OF 6" FA-02 OR FM-02 SAND SHALL BE USED WHEN BACKFILLING OTHER MATERIALS AROUND ANY EXPOSED GAS FACILITY. CONTRACTOR EXPOSING GAS FACILITY IS RESPONSIBLE FOR PROVIDING THE SAND.
17. ANY ISSUES OR WORK NEEDED WHEN CROSSING OR ADJACENT TO ANY COMED ASSET, THE CONTRACTOR SHALL CONTACT ANGELA WILLIAMS AT THREE LINCOLN CENTRE, SUITE 600, OAK BROOK TERRACE, ILLINOIS 60181 PH: 779-231-1063 EMAIL: ANGELA.WILLIAMS@COMED.COM
18. A REPRESENTATIVE OF THE DWM MUST BE PRESENT DURING THE EXCAVATION AND INSTALLATION OF THE PROPOSED CONDUIT WHERE IT CROSSES THE EXISTING 24-INCH FEEDER MAIN. IT IS REQUIRED THAT THE FORCE ACCOUNT CONSTRUCTION MANAGER BE CONTACTED AT FACM@DWM.PMO.NET TWO WEEKS PRIOR TO THE ANTICIPATED CONSTRUCTION DATE SO A RESIDENT ENGINEER CAN BE ASSIGNED TO THE PROJECT. THE DWM REPRESENTATIVE WILL ADHERE TO THE SCHEDULE PROVIDED BY IDOT, UNLESS NOTIFIED OTHERWISE. FAILURE TO COMPLY WITH THESE REQUIREMENTS MAY RESULT IN ADDITIONAL EXPENSES TO THE PROPOSED PROJECT TO VERIFY THAT ALL WORK CONFORMS TO DWM'S STANDARDS.

MODEL Default
FILE NAME: Vol_01_178 IDOT_205009 I-290 Leonie & Radne CADD Sheets 62U12, Leonie Street 62U12.dgn



BLA, Inc.
ITASCA, ILLINOIS

USER NAME = jrodriguez	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 20,0000 * / in.	CHECKED -	REVISED -
PLOT DATE = 10/16/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INDEX, HIGHWAY STANDARDS, GENERAL NOTES, & COMMITMENTS
LOOMIS STREET OVER I-290 (FAI 290)

SCALE: N.T.S. SHEET 2 OF 2 SHEETS STA. N/A TO STA. N/A

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	FAI 290 22 BRIDGE 3	COOK	161	3
		CONTRACT NO. 62U12		
		ILLINOIS	FED. AID PROJECT	

MODEL: Default
FILE NAME: W:\191-178 IDOT 205009 I-290 Loomis & Racine\CADD Sheets\62U12_2ht Summary of Quantities.dgn

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE			
				90% FED 10% STATE	90% FED 10% STATE	90% FED 10% STATE	90% FED 10% STATE
				ROADWAY	BRIDGE	IDOT HIGHWAY LIGHTING	TRAFFIC SIGNALS & LIGHTING (CDOT)
				0005	0013	0021	0021
				URBAN	S.N. 016-2114	URBAN	URBAN
20200100	EARTH EXCAVATION	CU YD	100	100			
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	10	10			
20800150	TRENCH BACKFILL	CU YD	65	65			
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	10	10			
21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	35	35			
25200110	SODDING, SALT TOLERANT	SQ YD	35	35			
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	1	1			
28000510	INLET FILTERS	EACH	11	11			
28001100	TEMPORARY EROSION CONTROL BLANKET	SQ YD	35	35			
30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	10	10			
35101600	AGGREGATE BASE COURSE, TYPE B 4"	SQ YD	280	280			
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	860	860			
40600370	LONGITUDINAL JOINT SEALANT	FOOT	1,350	1350			
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	3	3			

* SPECIALTY ITEM



BLA, Inc.
ITASCA, ILLINOIS

USER NAME = jrodriguez	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED +
PLOT DATE = 10/16/2025	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES
LOOMIS STREET OVER I-290 (FAI 290)**

SCALE: SHEET 1 OF 14 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	FAI 290 22 BRIDGE 3	COOK	161	4
CONTRACT NO. 62U12				
ILLINOIS FED. AID PROJECT				

MODEL: Default
FILE NAME: W:\191-178 IDOT 205009 I-290 Loomis & Racine\CADD Sheets\62U12 Loomis Street\62U12.sht Summary of Quantities.dgn

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE			
				90% FED 10% STATE	90% FED 10% STATE	90% FED 10% STATE	90% FED 10% STATE
				ROADWAY	BRIDGE	IDOT HIGHWAY LIGHTING	TRAFFIC SIGNALS & LIGHTING (CDOT)
				0005	0013	0021	0021
				URBAN	S.N. 016-2114	URBAN	URBAN
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	55	55			
40604062	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70	TON	455	455			
42000060	WELDED WIRE REINFORCEMENT	SQ YD	113	113			
42000080	PAVEMENT CONNECTOR (PCC) FOR BRIDGE APPROACH SLAB	SQ YD	113	113			
42001300	PROTECTIVE COAT	SQ YD	417	417			
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	2486	2486			
44000100	PAVEMENT REMOVAL	SQ YD	312	312			
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	260	260			
44000600	SIDEWALK REMOVAL	SQ FT	2142	2142			
44201773	CLASS D PATCHES, TYPE I, 11 INCH	SQ YD	100	100			
44201777	CLASS D PATCHES, TYPE II, 11 INCH	SQ YD	100	100			
44201781	CLASS D PATCHES, TYPE III, 11 INCH	SQ YD	100	100			
44201783	CLASS D PATCHES, TYPE IV, 11 INCH	SQ YD	100	100			
50101500	REMOVAL OF EXISTING SUPERSTRUCTURES	EACH	1		1		

* SPECIALTY ITEM



BLA, Inc.
ITASCA, ILLINOIS

USER NAME = jrodriguez	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED +
PLOT DATE = 10/16/2025	DATE -	REVISED +

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES
LOOMIS STREET OVER I-290 (FAI 290)**

SCALE: SHEET 2 OF 14 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	FAI 290 22 BRIDGE 3	COOK	161	5
CONTRACT NO. 62U12				
ILLINOIS FED. AID PROJECT				

MODEL: Default
FILE NAME: W:\191-178 IDOT 205009 I-290 Loomis & Racine\CADD Sheets\62U12 Loomis Street\62U12.dgn Summary of Quantities.dgn

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE			
				90% FED 10% STATE	90% FED 10% STATE	90% FED 10% STATE	90% FED 10% STATE
				ROADWAY	BRIDGE	IDOT HIGHWAY LIGHTING	TRAFFIC SIGNALS & LIGHTING (CDOT)
				0005	0013	0021	0021
				URBAN	S.N. 016-2114	URBAN	URBAN
50102400	CONCRETE REMOVAL	CU YD	127		127		
50104000	BRIDGE RAIL REMOVAL	FOOT	134		134		
50157300	PROTECTIVE SHIELD	SQ YD	2,250		2250		
50200100	STRUCTURE EXCAVATION	CU YD	128		128		
50300255	CONCRETE SUPERSTRUCTURE	CU YD	878.4		878.4		
50300225	CONCRETE STRUCTURES	CU YD	137		137		
50300260	BRIDGE DECK GROOVING	SQ YD	1,472		1472		
50300300	PROTECTIVE COAT	SQ YD	2,776		2776		
50500105	FURNISHING AND ERECTING STRUCTURAL STEEL	L SUM	1		1		
50500505	STUD SHEAR CONNECTORS	EACH	7,410		7410		
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	200,510		200,510		
50901739	BRIDGE FENCE RAILING, CURVED	FOOT	705		705		
51500100	NAME PLATES	EACH	1		1		
52000110	PREFORMED JOINT STRIP SEAL	FOOT	124		124		
52100010	ELASTOMERIC BEARING ASSEMBLY, TYPE I	EACH	30		30		

* SPECIALTY ITEM



BLA, Inc.
ITASCA, ILLINOIS

USER NAME = jrodriguez	DESIGNED -	REVISED -
DRAWN -	REVISOR -	
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 10/16/2025	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES LOOMIS STREET OVER I-290 (FAI 290)			
SCALE:	SHEET 3	OF 14 SHEETS	STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	FAI 290 22 BRIDGE 3	COOK	161	6
CONTRACT NO. 62U12				
ILLINOIS FED. AID PROJECT				

MODEL: Default
FILE NAME: W:\191-178 IDOT 205009 I-290 Loomis & Racine\CADD Sheets\62U12_2ht Summary of Quantities.dgn

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE			
				90% FED 10% STATE	90% FED 10% STATE	90% FED 10% STATE	90% FED 10% STATE
				ROADWAY	BRIDGE	IDOT HIGHWAY LIGHTING	TRAFFIC SIGNALS & LIGHTING (CDOT)
				0005	0013	0021	0021
				URBAN	S.N. 016-2114	URBAN	URBAN
52100520	ANCHOR BOLTS, 1"	EACH	80		80		
55100200	STORM SEWER REMOVAL 6"	FOOT	10	10			
55100300	STORM SEWER REMOVAL 8"	FOOT	130	130			
58600101	GRANULAR BACKFILL FOR STRUCTURES	CU YD	128		128		
58700300	CONCRETE SEALER	SQ FT	2,493		2493		
59000200	EPOXY CRACK INJECTION	FOOT	60		60		
59100100	GEOCOMPOSITE WALL DRAIN	SQ YD	82		82		
60146304	PIPE UNDERDRAINS FOR STRUCTURES 4"	FOOT	302		302		
60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	EACH	4	4			
60500050	REMOVING CATCH BASINS	EACH	4	4			
60500060	REMOVING INLETS	EACH	2	2			
64200116	SHOULDER RUMBLE STRIPS, 16 INCH	FOOT	700	700			
66400305	CHAIN LINK FENCE, 6'	FOOT	172	172			

* SPECIALTY ITEM



BLA, Inc.
ITASCA, ILLINOIS

USER NAME = jrodriguez	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED +
PLOT DATE = 10/16/2025	DATE -	REVISED +

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES
LOOMIS STREET OVER I-290 (FAI 290)**

SCALE: SHEET 4 OF 14 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	FAI 290 22 BRIDGE 3	COOK	161	7
CONTRACT NO. 62U12				
ILLINOIS FED. AID PROJECT				

MODEL: Default
FILE NAME: W:\191-178 IDOT 205009 I-290 Loomis & Racine\CADD Sheets\62U12 Loomis Street\62U12.sht Summary of Quantities.dgn

				CONSTRUCTION CODE			
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	90% FED 10% STATE	90% FED 10% STATE	90% FED 10% STATE	90% FED 10% STATE
				ROADWAY	BRIDGE	IDOT HIGHWAY LIGHTING	TRAFFIC SIGNALS & LIGHTING (CDOT)
				0005	0013	0021	0021
				URBAN	S.N. 016-2114	URBAN	URBAN
* 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	708	780			
* 66900530	SOIL DISPOSAL ANALYSIS	EACH	2	2			
* 66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	L SUM	1	1			
* 66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	L SUM	1	1			
* 66901005	ENGINEERED BARRIER	SQ YD	106	106			
* 66901006	REGULATED SUBSTANCES MONITORING	CAL DA	50	50			
67100100	MOBILIZATION	L SUM	1	1			
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	112	112			
70200100	NIGHTTIME WORK ZONE LIGHTING	L SUM	1	1			
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	18,557	18557			
70303100	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS - MODIFIED URETHANE	SQ FT	152	152			
70303120	TEMPORARY PAVEMENT MARKING - LINE 4" - MODIFIED URETHANE	FOOT	5,828	5828			
70303125	TEMPORARY PAVEMENT MARKING - LINE 5" - MODIFIED URETHANE	FOOT	2,604	2604			
70303130	TEMPORARY PAVEMENT MARKING - LINE 6" - MODIFIED URETHANE	FOOT	1,750	1750			
70303140	TEMPORARY PAVEMENT MARKING - LINE 8" - MODIFIED URETHANE	FOOT	3,050	3050			

* SPECIALTY ITEM



BLA, Inc.
ITASCA, ILLINOIS

USER NAME = jrodriguez	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED +
PLOT DATE = 10/16/2025	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES
LOOMIS STREET OVER I-290 (FAI 290)**

SCALE: SHEET 5 OF 14 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	FAI 290 22 BRIDGE 3	COOK	161	8
CONTRACT NO. 62U12				
ILLINOIS FED. AID PROJECT				

MODEL Default
FILE NAME: Vol_01_178_IDOT_205009-1-290_Loomis & Radne/CADD_Sheets/62U12_Loomis Street/62U12_dht_Summary of Quantities.dgn

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE			
				90% FED 10% STATE	90% FED 10% STATE	90% FED 10% STATE	90% FED 10% STATE
				ROADWAY	BRIDGE	IDOT HIGHWAY LIGHTING	TRAFFIC SIGNALS & LIGHTING (CDOT)
				0005	0013	0021	0021
				URBAN	S.N. 016-2114	URBAN	URBAN
70303210	TEMPORARY PAVEMENT MARKING - LINE 24"- MODIFIED URETHANE	FOOT	712	712			
70307120	TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE	FOOT	12,834	12834			
70307125	TEMPORARY PAVEMENT MARKING - LINE 5" - TYPE IV TAPE	FOOT	5,220	5220			
70307130	TEMPORARY PAVEMENT MARKING - LINE 6" - TYPE IV TAPE	FOOT	1,550	1550			
70307140	TEMPORARY PAVEMENT MARKING - LINE 8" - TYPE IV TAPE	FOOT	4,894	4894			
70307160	TEMPORARY PAVEMENT MARKING - LINE 12"- TYPE IV TAPE	FOOT	548	548			
70400100	TEMPORARY CONCRETE BARRIER	FOOT	1,550	1550			
70400125	PINNING TEMPORARY CONCRETE BARRIER	EACH	48	48			
70600255	IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 2	EACH	2	2			
70600260	IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	4	4			
* 72000100	SIGN PANEL - TYPE 1	SQ FT	71	71			
* 72000300	SIGN PANEL - TYPE 3	SQ FT	170	169.5			
* 73304000	OVERHEAD SIGN STRUCTURE - BRIDGE MOUNTED	FOOT	45	45			
* 73602000	REMOVE OVERHEAD SIGN STRUCTURE - BRIDGE MOUNTED	EACH	45	45			

* SPECIALTY ITEM



BLA, Inc.
ITASCA, ILLINOIS

USER NAME = jrodriguez
PLOT SCALE = 40,0000 * / in.
PLOT DATE = 10/16/2025

DESIGNED -
DRAWN -
CHECKED -
DATE -

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
LOOMIS STREET OVER I-290 (FAI 290)

SCALE: SHEET 6 OF 14 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	FAI 290 22 BRIDGE 3	COOK	161	9
CONTRACT NO. 62U12				
		ILLINOIS	FED. AID PROJECT	

MODEL Default
FILE NAME: Vol_01-178_IDOT_205009-1-290_Loomis & Racine/CADD_Sheets/62U12_Loomis Street/62U12_sht_Summary of Quantities.dgn

					CONSTRUCTION CODE			
					90% FED 10% STATE	90% FED 10% STATE	90% FED 10% STATE	90% FED 10% STATE
					ROADWAY	BRIDGE	IDOT HIGHWAY LIGHTING	TRAFFIC SIGNALS & LIGHTING (CDOT)
					0005	0013	0021	0021
					URBAN	S.N. 016-2114	URBAN	URBAN
*	78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	90	90			
*	78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	210	210			
*	78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	145	145			
*	78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	584	584			
*	78004210	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 4"	FOOT	7,338	7338			
*	78004240	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 8"	FOOT	2,605	2605			
*	78004250	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 12"	FOOT	630	630			
*	78009000	MODIFIED URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	40	40			
*	78009004	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	FOOT	2,200	2200			
*	78009024	MODIFIED URETHANE PAVEMENT MARKING - LINE 24"	FOOT	36	36			
*	78011025	GROOVING FOR RECESSED PAVEMENT MARKING 5"	FOOT	7,338	7338			
*	78011045	GROOVING FOR RECESSED PAVEMENT MARKING 9"	FOOT	2,605	2605			
*	78011065	GROOVING FOR RECESSED PAVEMENT MARKING 13"	FOOT	630	630			
*	78100300	REPLACEMENT REFLECTOR	EACH	140	140			

* SPECIALTY ITEM



BLA, Inc.
ITASCA, ILLINOIS

USER NAME = jrodríguez
PLOT SCALE = 40,0000 * / in.
PLOT DATE = 10/16/2025

DESIGNED -
DRAWN -
CHECKED -
DATE -

REVISED -
REVISED -
REVISED -
REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES
LOOMIS STREET OVER I-290 (FAI 290)**

SCALE: SHEET 7 OF 14 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	FAI 290 22 BRIDGE 3	COOK	161	10
CONTRACT NO. 62U12				
ILLINOIS FED. AID PROJECT				

MODEL Default
FILE NAME: Vol_01-178 IDOT_205009-1-290 Loomis & Radne/CADD_Sheets62U12_Loomis Street62U12_dht_Summary of Quantities.dgn

				CONSTRUCTION CODE			
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	90% FED 10% STATE	90% FED 10% STATE	90% FED 10% STATE	90% FED 10% STATE
				ROADWAY	BRIDGE	IDOT HIGHWAY LIGHTING	TRAFFIC SIGNALS & LIGHTING (CDOT)
				0005	0013	0021	0021
				URBAN	S.N. 016-2114	URBAN	URBAN
78300202	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	5,357	5357			
80400200	ELECTRIC UTILITY SERVICE CONNECTION	L SUM	1				1
81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	106			106	
81100320	CONDUIT ATTACHED TO STRUCTURE, 1" DIA., PVC COATED GALVANIZED STEEL	FOOT	435			435	
81100805	CONDUIT ATTACHED TO STRUCTURE, 3" DIA., PVC COATED GALVANIZED STEEL	FOOT	30			30	
81200210	CONDUIT EMBEDDED IN STRUCTURE, 1" DIA., PVC	FOOT	42			42	
81200230	CONDUIT EMBEDDED IN STRUCTURE, 2" DIA., PVC	FOOT	708			708	
81300220	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 6" X 6" X 4"	EACH	8			8	
81300530	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 12" X 10" X 6"	EACH	4			4	
81300830	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 18" X 18" X 8"	EACH	2			2	
81304000	JUNCTION BOX EMBEDDED IN STRUCTURE 8" X 8" X 6"	EACH	2			2	
81603090	UNIT DUCT, 600V, 3-1C NO.4, 1/C NO.6 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE	FOOT	130			130	
81702110	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	FOOT	1,410			1410	
81702140	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 4	FOOT	360				360

* SPECIALTY ITEM



BLA, Inc.
ITASCA, ILLINOIS

USER NAME = jrodríguez	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40,0000 * / in.	CHECKED -	REVISED -
PLOT DATE = 10/16/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
LOOMIS STREET OVER I-290 (FAI 290)

SCALE: SHEET 8 OF 14 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	FAI 290 22 BRIDGE 3	COOK	161	11
		CONTRACT NO. 62U12		
		ILLINOIS	FED. AID PROJECT	

MODEL: Default
FILE NAME: W:\191178_IDOT_205009-I-290_Loomis & Racine\CADD_Sheets\62U12_Sht_Summary of Quantities.dgn

				CONSTRUCTION CODE			
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	90% FED 10% STATE	90% FED 10% STATE	90% FED 10% STATE	90% FED 10% STATE
				ROADWAY	BRIDGE	IDOT HIGHWAY LIGHTING	TRAFFIC SIGNALS & LIGHTING (CDOT)
				0005	0013	0021	0021
				URBAN	S.N. 016-2114	URBAN	URBAN
* 82110026	LUMINAIRE, LED, UNDERPASS, SUSPENDED, OUTPUT DESIGNATION D	EACH	8			8	
* 84200500	REMOVAL OF LIGHTING UNIT, SALVAGE	EACH	6				6
* 84200600	REMOVAL OF LIGHTING UNIT, NO SALVAGE	EACH	8			8	
* 87502710	TRAFFIC SIGNAL POST, ALUMINUM 17 FT.	EACH	1				1
* 88040070	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	5				5
* 88040090	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	6				6
* 88102717	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	8				8
* 89000100	TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1				1
* 89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1				1
	X0300062	GRAFFITI REMOVAL	SQ YD	108	108		
	X0324198	REMOVAL OF ASBESTOS CEMENT CONDUIT	FOOT	1,236	1236		
* 89502375	X0325839	SIGNAL TIMING	L SUM	1			1
	X0326275	RAILROAD RIGHT-OF-WAY ENTRY PERMIT	EACH	1	1		
* 89502375	X0326326	CABLE IN CONDUIT, TRIPLEX, 2-1/C NO. 6 AND 1-1/C NO. 8 GROUND	FOOT	881			881

* SPECIALTY ITEM



BLA, Inc.
ITASCA, ILLINOIS

USER NAME = jrodriguez	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 10/16/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
LOOMIS STREET OVER I-290 (FAI 290)

SCALE: SHEET 9 OF 14 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	FAI 290 22 BRIDGE 3	COOK	161	12
CONTRACT NO. 62U12				
ILLINOIS FED. AID PROJECT				

MODEL: Default
FILE NAME: W:\191-178 IDOT 205009 I-290 Loomis & Racine\CADD Sheets\62U12 Loomis Street\62U12.sht Summary of Quantities.dgn

				CONSTRUCTION CODE			
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	90% FED 10% STATE	90% FED 10% STATE	90% FED 10% STATE	90% FED 10% STATE
				ROADWAY	BRIDGE	IDOT HIGHWAY LIGHTING	TRAFFIC SIGNALS & LIGHTING (CDOT)
				0005	0013	0021	0021
				URBAN	S.N. 016-2114	URBAN	URBAN
X0326806	WASHOUT BASIN	L SUM	1	1			
X0327999	ANTI-GRAFFITI COATING	SQ FT	7,660		7660		
* X1400202	LUMINAIRE (SPECIAL)	EACH	4			4	
* X4240800	DETECTABLE WARNINGS (SPECIAL)	SQ FT	145	145			
X4401198	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SQ YD	1783	1783			
X5030305	CONCRETE WEARING SURFACE, 5"	SQ YD	413		413		
X5040100	PRECAST BRIDGE APPROACH SLAB	SQ FT	3,660		3660		
* X5080530	BAR TERMINATORS	EACH	272		272		
* X6020105	MANHOLE, ELECTRIC, 3' X 4' X 4', WITH 24" FRAME AND LID	EACH	2				2
X6030310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	13	13			
X6060045	COMBINATION CONCRETE CURB AND GUTTER, TYPE B V-.12 (CDOT)	FOOT	570	570			
X6420002	FILLING EXISTING RUMBLE STRIP	FOOT	700	700			
X6640300	CHAIN LINK FENCE REMOVAL	FOOT	172	172			
X6700410	ENGINEER'S FIELD OFFICE, TYPE A (SPECIAL)	CAL MO	18	18			

* SPECIALTY ITEM



BLA, Inc.
ITASCA, ILLINOIS

USER NAME = jrodriguez	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED +
PLOT DATE = 10/16/2025	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES			
LOOMIS STREET OVER I-290 (FAI 290)			
SCALE:	SHEET 10	OF 14 SHEETS	STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	FAI 290 22 BRIDGE 3	COOK	161	13
CONTRACT NO. 62U12				
ILLINOIS FED. AID PROJECT				

MODEL Default
FILE NAME: Vol 01-178 IDOT_205009-1-290 Loomis & Radne/CADD_Sheets62U12_Loomis Street62U12.dgn Summary of Quantities.dgn

				CONSTRUCTION CODE			
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	90% FED 10% STATE	90% FED 10% STATE	90% FED 10% STATE	90% FED 10% STATE
				ROADWAY	BRIDGE	IDOT HIGHWAY LIGHTING	TRAFFIC SIGNALS & LIGHTING (CDOT)
				0005	0013	0021	0021
				URBAN	S.N. 016-2114	URBAN	URBAN
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1			
X7011015	TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS)	L SUM	1	1			
X7013820	TRAFFIC CONTROL SURVEILLANCE, EXPRESSWAYS	CAL DA	168	168			
X7200061	TEMPORARY INFORMATION SIGNING	SQ FT	181	181			
* X7240311	RELOCATE EXISTING SIGN PANEL (SPECIAL)	EACH	2	2			
* X7330064	SIGN SUPPORT (SPECIAL)	EACH	5	5			
X7830050	RAISED REFLECTIVE PAVEMENT MARKER, REFLECTOR REMOVAL	EACH	270	270			
* X7830052	RAISED REFLECTIVE PAVEMENT MARKER, REFLECTOR REPLACEMENT	EACH	270	270			
* X8000003	MAINTENANCE OF LIGHTING SYSTEM	CAL MO	12			12	
* X8130108	JUNCTION BOX, POLE OR POST MOUNTED	EACH	5				5
* X8250500	LIGHTING UNIT COMPLETE (SPECIAL)	EACH	4				4
* X8400104	MAINTENANCE OF STREET LIGHTING SYSTEM	L SUM	1			1	
* X8570102	INTERSECTION TECHNOLOGY ENHANCEMENTS	EACH	1				1
* X8774126	MAST ARM, STEEL, MONOTUBE 26 FT	EACH	1				1

* SPECIALTY ITEM



BLA, Inc.
ITASCA, ILLINOIS

USER NAME = jrodriguez
PLOT SCALE = 40,0000 * / in.
PLOT DATE = 10/16/2025

DESIGNED -
DRAWN -
CHECKED -
DATE -

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
LOOMIS STREET OVER I-290 (FAI 290)

SCALE: SHEET 11 OF 14 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	FAI 290 22 BRIDGE 3	COOK	161	14
CONTRACT NO. 62U12				
ILLINOIS FED. AID PROJECT				

MODEL: Default
FILE NAME: W:\191-178 IDOT 205009 I-290 Loomis & MacneCADD Sheets\62U12.shx Summary of Quantities.dgn

				CONSTRUCTION CODE			
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	90% FED 10% STATE	90% FED 10% STATE	90% FED 10% STATE	90% FED 10% STATE
				ROADWAY	BRIDGE	IDOT HIGHWAY LIGHTING	TRAFFIC SIGNALS & LIGHTING (CDOT)
				0005	0013	0021	0021
				URBAN	S.N. 016-2114	URBAN	URBAN
* X8774130	MAST ARM, STEEL, MONOTUBE 30 FT	EACH	1				1
* X8774135	MAST ARM, STEEL, MONOTUBE 35 FT	EACH	1				1
Z0012754	STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5 INCHES)	SQ FT	177		177		
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1			
Z0021400	EXPANSION JOINT (SPECIAL)	FOOT	29		29		
Z0036200	PAINT CURB	FOOT	10	10			
Z0004552	APPROACH SLAB REMOVAL	SQ YD	83	83			
Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1	1			
Z0056608	STORM SEWER (WATER MAIN REQUIREMENTS) 12 INCH	FOOT	114	114			
* Z0073510	TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1	1			
* X8362249	CONCRETE FOUNDATION. 24" DIAMETER, 1 1/4" ANCHOR RODS, 15" BOLT CIRCLE, 9 FEET	EACH	1				1
* X8632247	CONCRETE FOUNDATION, 24" DIAMETER, 1 1/4" ANCHOR RODS, 15" BOLT CIRCLE, 7 FEET	EACH	1				1

* SPECIALTY ITEM



BLA, Inc.
ITASCA, ILLINOIS

USER NAME = jrodriguez
PLOT SCALE = 40.0000 ' / in.
PLOT DATE = 10/16/2025

DESIGNED -
DRAWN -
CHECKED -
DATE -

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
LOOMIS STREET OVER I-290 (FAI 290)

SCALE: SHEET 12 OF 14 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	FAI 290 22 BRIDGE 3	COOK	161	15
CONTRACT NO. 62U12				
ILLINOIS FED. AID PROJECT				

MODEL: Default
FILE NAME: W:\191-178 IDOT 205009 I-290 Loomis & Racine\CADD Sheets\62U12_2ht_Summary of Quantities.dgn

				CONSTRUCTION CODE			
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	90% FED 10% STATE	90% FED 10% STATE	90% FED 10% STATE	90% FED 10% STATE
				ROADWAY	BRIDGE	IDOT HIGHWAY LIGHTING	TRAFFIC SIGNALS & LIGHTING (CDOT)
				0005	0013	0021	0021
				URBAN	S.N. 016-2114	URBAN	URBAN
X2080251	TRENCH AND BACKFILL WITH SCREENINGS	FOOT	413				413
* X0325532	CONDUIT IN TRENCH, PVC (SCHEDULE 80), 2" DIA	FOOT	49				49
* X0933900	CONDUIT IN TRENCH, PVC (SCHEDULE 80), 3" DIA	FOOT	816				816
* XX009549	HEAVY-DUTY HANDHOLE (SPECIAL)	EACH	2				2
* X1700001	DRILL EXISTING MANHOLE, HEAVY DUTY HANDHOLE, OR MEDIAN WALL JUNCTION BOX	EACH	4				4
* X8309107	POLE, STEEL, ANCHOR BASE, 34.5 FT, 10" DIAMETER, 7 GAUGE, 15" BOLT CIRCLE	EACH	1				1
* X8309103	POLE, STEEL, ANCHOR BASE, 34.5 FT, 10" DIAMETER, 3 GAUGE, 15" BOLT CIRCLE	EACH	1				1
* X8309117	POLE, STEEL, ANCHOR BASE, 34.5 FT, 11" DIAMETER, 3 GAUGE, 17.25" BOLT CIRCLE	EACH	1				1
* X8309126	POLE, STEEL, ANCHOR BASE, 34.5 FT, 12.5" DIAMETER, 3 GAUGE, 16.5" BOLT CIRCLE	EACH	1				1
* X8363611	CONCRETE FOUNDATION, 30" DIAMETER, 1 1/2" ANCHOR RODS, 16 1/2" BOLT CIRCLE, 11 FEET	EACH	1				1
* X8362225	CONCRETE FOUNDATION, 20" DIAMETER, 3/4" ANCHOR RODS, 13" BOLT CIRCLE, 9 FEET	EACH	1				1
* X8363709	CONCRETE FOUNDATION, 30" DIAMETER 1 1/4" ANCHOR RODS, 17 1/4" BOLT CIRCLE, 9 FEET	EACH	1				1
* X8780105	CONCRETE FOUNDATIONS (SPECIAL)	EACH	1				1

* SPECIALTY ITEM



BLA, Inc.
ITASCA, ILLINOIS

USER NAME = jrodriguez	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED +
PLOT DATE = 10/16/2025	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES LOOMIS STREET OVER I-290 (FAI 290)			
SCALE:	SHEET 13 OF 14 SHEETS	STA.	TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	FAI 290 22 BRIDGE 3	COOK	161	16
CONTRACT NO. 62U12				
ILLINOIS FED. AID PROJECT				

MODEL: Default
FILE NAME: W:\191-178 IDOT 205009 I-290 Loomis & Racine\CADD Sheets\62U12 Loomis Street\62U12.dgn Summary of Quantities.dgn

				CONSTRUCTION CODE			
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	90% FED 10% STATE	90% FED 10% STATE	90% FED 10% STATE	90% FED 10% STATE
				ROADWAY	BRIDGE	IDOT HIGHWAY LIGHTING	TRAFFIC SIGNALS & LIGHTING (CDOT)
				0005	0013	0021	0021
				URBAN	S.N. 016-2114	URBAN	URBAN
* X8570304	ADVANCED TRANSPORTATION CONTROLLER, ATC, 16 LOAD BAY, "SUPER P" CABINET UPS	EACH	1				1
* X8731422	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 22C	FOOT	524				524
* X8760200	ACCESSIBLE PEDESTRIAN SIGNAL	EACH	8				8
* 84200804	REMOVAL OF POLE FOUNDATION	EACH	5				5
* 84500130	REMOVAL OF LIGHTING CONTROLLER FOUNDATION	EACH	1				1
* 89502380	REMOVE EXISTING HANDHOLE	EACH	2				2
* X1200073	MANHOLE REMOVAL	EACH	2				2
Ø Z0076600	TRAINEES	HOUR	1000	1000			
Ø Z0076604	TRAINEES - TRAINING PROGRAM GRADUATE	HOUR	1000	1000			

* SPECIALTY ITEM

Ø 0042



BLA, Inc.
ITASCA, ILLINOIS

USER NAME = jrodriguez
DRAWN =
PLOT SCALE = 40.0000 ' / in.
PLOT DATE = 10/16/2025

DESIGNED =
DRAWN =
CHECKED =
DATE =

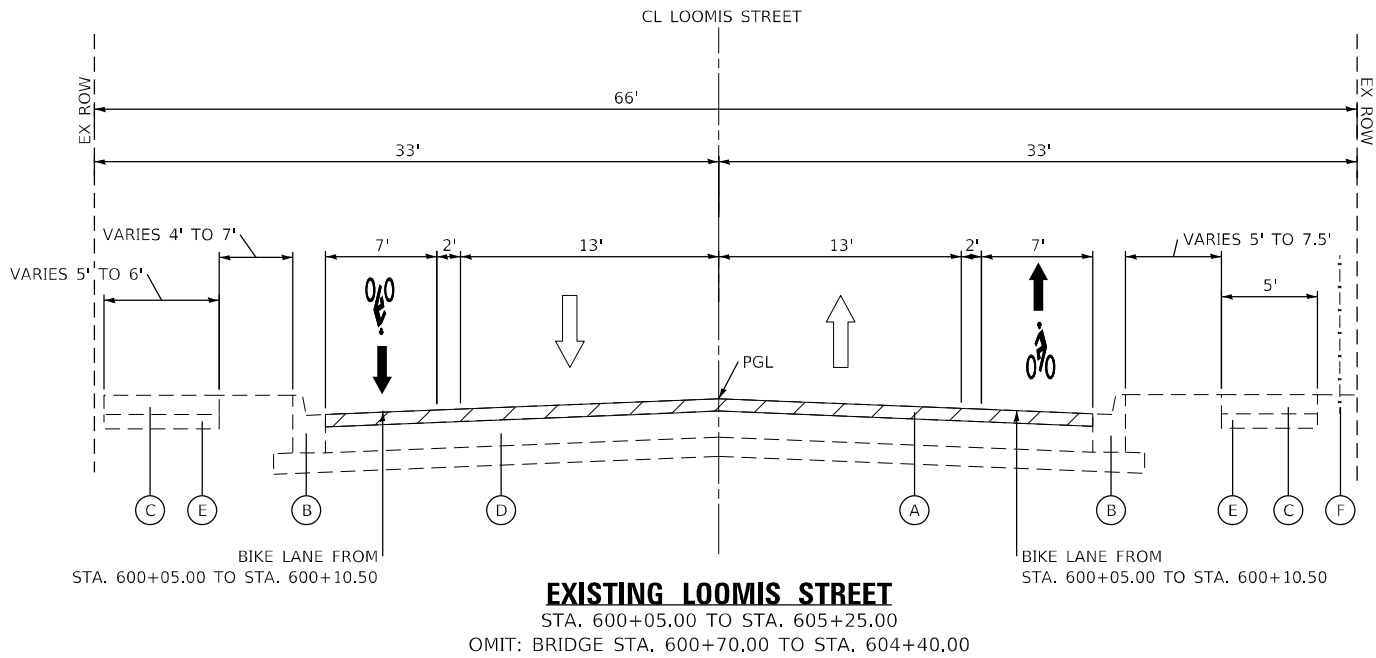
REVISED =
REVISED =
REVISED =
REVISED =

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
LOOMIS STREET OVER I-290 (FAI 290)

SCALE: SHEET 14 OF 14 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	FAI 290 22 BRIDGE 3	COOK	161	17
CONTRACT NO. 62U12				
ILLINOIS FED. AID PROJECT				



EXISTING LEGEND

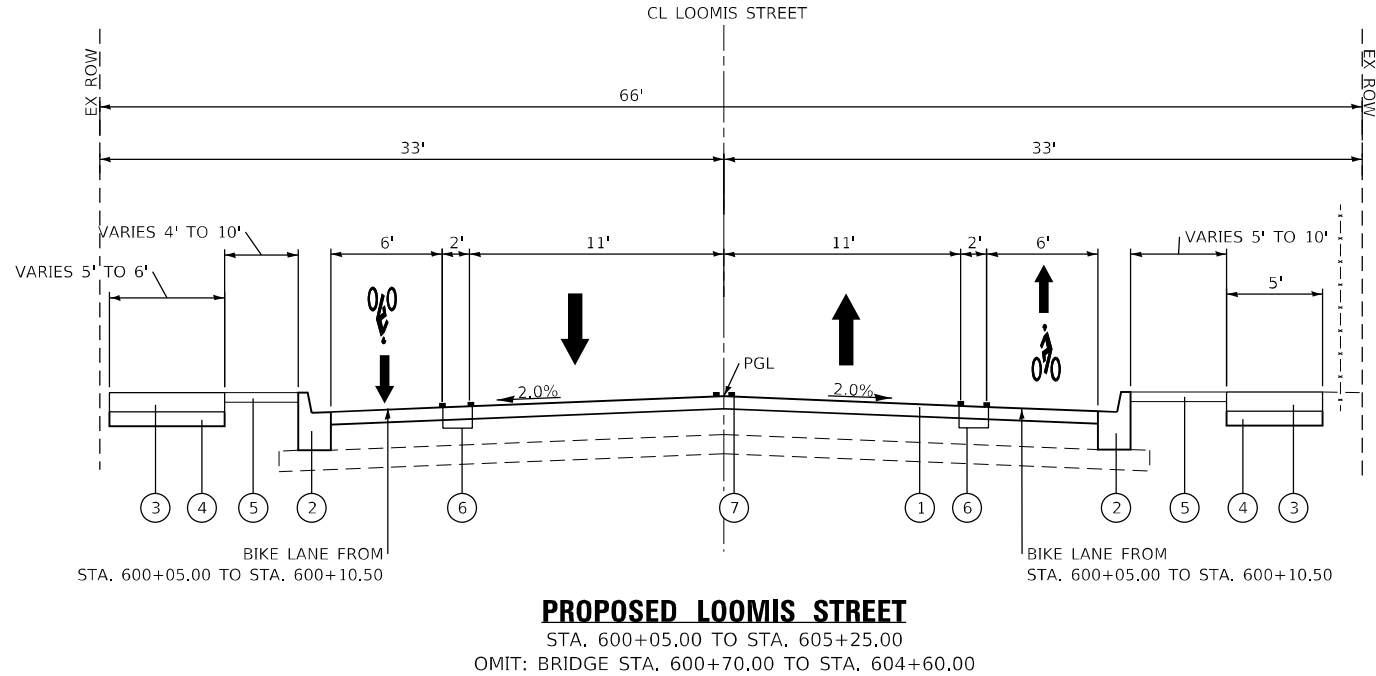
- (A) HOT-MIX ASPHALT PAVEMENT (VARIES 2.25" - 10.5") (R - SURFACE REMOVAL, VARIABLE DEPTH)
- (B) CONCRETE CURB AND GUTTER (R)
- (C) CONCRETE SIDEWALK (R)
- (D) EXISTING CONCRETE PAVEMENT (VARIES 7.5" - 10.5")
- (E) EXISTING SIDEWALK SUBGRADE
- (F) FENCE
- (R) ITEMS TO BE REMOVED PER LOCATION IN THE PLANS



PROPOSED LEGEND

- ① HMA SURFACE COURSE, IL 9.5, MIX "D", N70, VARIABLE DEPTH
- ② COMBINATION CONCRETE CURB AND GUTTER, B-V.12
- ③ PORTLAND CEMENT CONCRETE SIDEWALK, 5"
- ④ AGGREGATE BASE COURSE, TY B, 4"
- ⑤ TOPSOIL FURNISH AND PLACE, 4" SODDING, SALT TOLERANT
- ⑥ THERMOPLASTIC PAVEMENT MARKINGS, 4" LINE, SOLID WHITE
- ⑦ THERMOPLASTIC PAVEMENT MARKINGS, 4" LINE, SOLID YELLOW

LONGITUDINAL JOINT SEALANT SHALL BE PLACED ON MILLED SURFACE UNDER THE HMA SURFACE COURSE



HOT-MIX ASPHALT MIXTURE REQUIREMENTS CHART

MIXTURE TYPE	AIR VOIDS @ N _{DES}	QMP
RESURFACING		
HMA SURFACE COURSE, IL-9.5, MIX "D", N70; VARIABLE DEPTH	4% @ 70 GYR.	QC/QA
PATCHING		
CLASS D PATCHES (HMA BINDER IL-19 mm); 11"	4% @ 70 GYR.	QC/QA
FILLING EXISTING SHOULDER STRIPS		
HMA SURFACE COURSE, IL-9.5, MIX "D", N70; VARIABLE DEPTH	4% @ 70 GYR.	QC/QA
QMP DESIGNATION: QUALITY CONTROL/QUALITY ASSURANCE (QC/QA)		

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

MODEL: Default
FILE NAME: Vol 01-178 IDOT_205009-1-290 Loomis & Racine CADD_Sheets62U12_Loomis Street62U12.dwg Typical Sections.dgn



BLA, Inc.
ITASCA, ILLINOIS

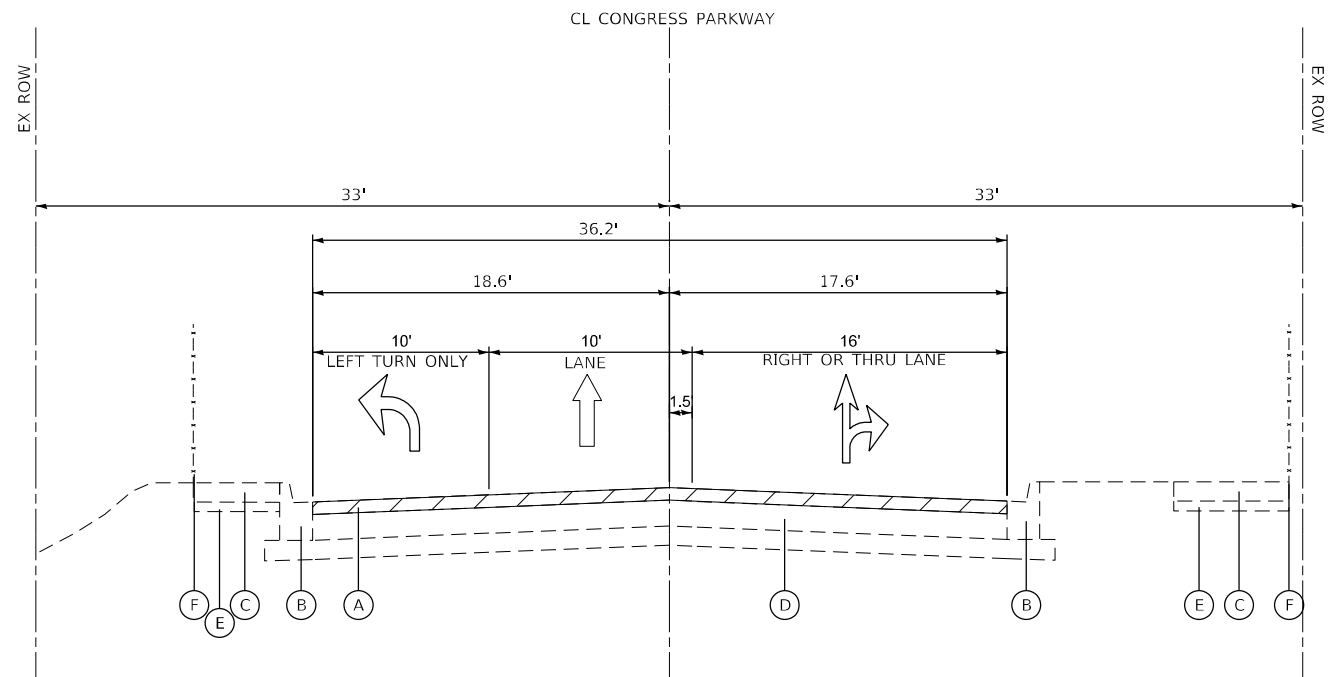
USER NAME = jrodriguez	DESIGNED -	REVISED -
DRAWN -	REVISED -	REVISED -
PLOT SCALE = 10,0000 * / in.	CHECKED -	REVISED -
PLOT DATE = 10/16/2025	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TYPICAL SECTIONS
LOOMIS STREET OVER I-290 (FAI 290)**

SCALE: N.T.S. SHEET 1 OF 3 SHEETS STA. TO STA.

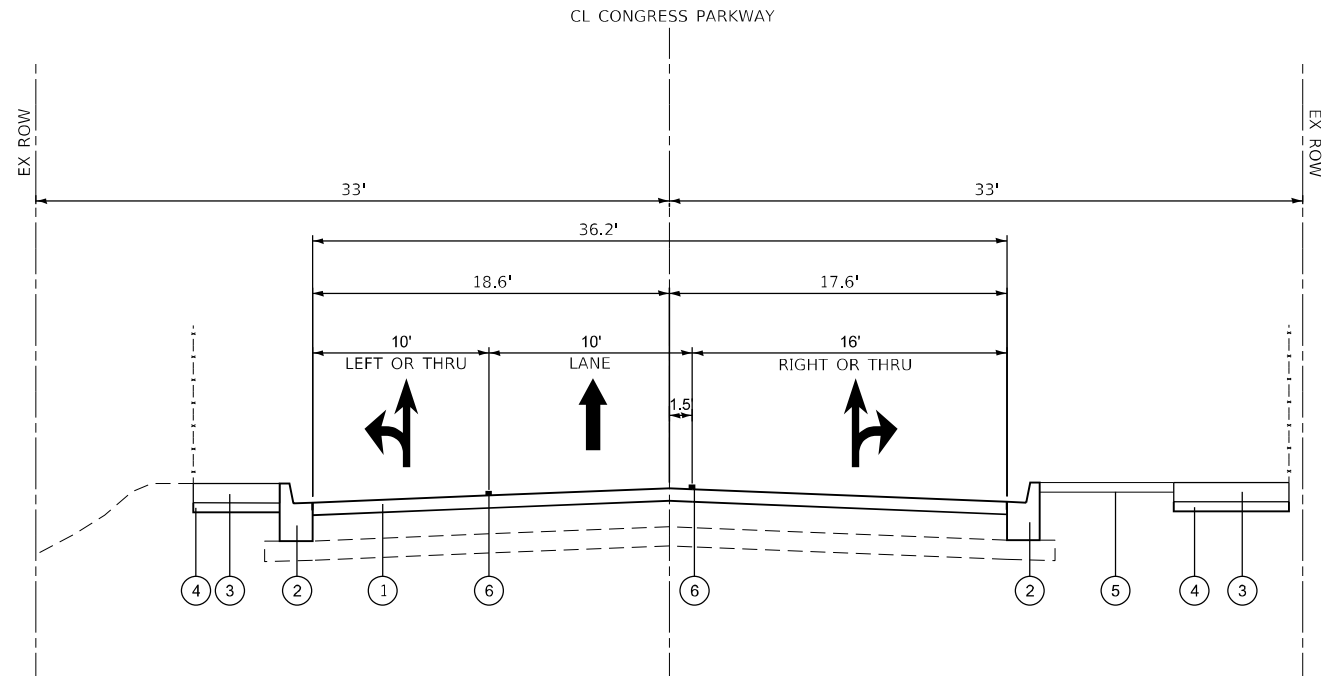
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	FAI 290 22 BRIDGE 3	COOK	161	18
CONTRACT NO. 62U12				
		ILLINOIS	FED. AID PROJECT	



EXISTING CONGRESS PARKWAY
STA. 2055+20.00 TO STA. 2057+35.00

EXISTING LEGEND

- (A) HOT-MIX ASPHALT PAVEMENT (VARIES 2.25" - 8.25") (R - SURFACE REMOVAL, VARIABLE DEPTH)
- (B) CONCRETE CURB AND GUTTER (R)
- (C) CONCRETE SIDEWALK (R)
- (D) EXISTING CONCRETE PAVEMENT (VARIES 0" - 10.5")
- (E) EXISTING SIDEWALK SUBGRADE
- (F) FENCE
- (R) ITEMS TO BE REMOVED PER LOCATION IN THE PLANS



PROPOSED CONGRESS PARKWAY
STA. 2055+20.00 TO STA. 2057+35.00

PROPOSED LEGEND

- (1) HMA SURFACE COURSE, IL 9.5, MIX "D", N70, VARIABLE DEPTH
- (2) COMBINATION CONCRETE CURB AND GUTTER, B-V.12
- (3) PORTLAND CEMENT CONCRETE SIDEWALK, 5"
- (4) AGGREGATE BASE COURSE, TY B, 4"
- (5) TOPSOIL FURNISH AND PLACE, 4" SODDING, SALT TOLERANT
- (6) THERMOPLASTIC PAVEMENT MARKINGS, 4" LINE, (10' DASH - 30' SKIP)

LONGITUDINAL JOINT SEALANT SHALL BE PLACED ON MILLED SURFACE UNDER THE HMA SURFACE COURSE

MODEL: Default
FILE NAME: \\01.178 IDOT_205009-1-290 Loomis & Radne/CADD_Sheets/62U12_01_Typical Sections.dgn



BLA, Inc.
ITASCA, ILLINOIS

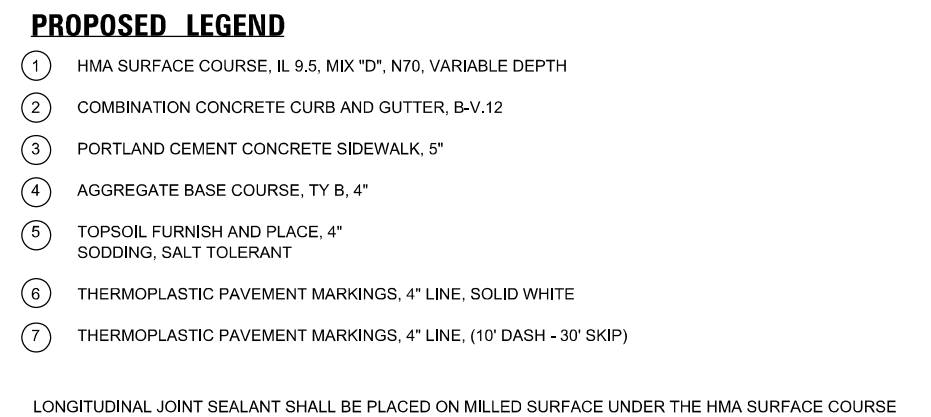
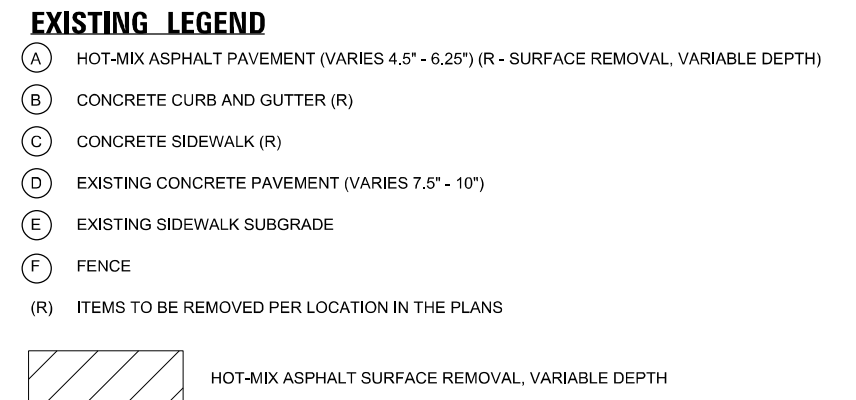
USER NAME = jrodriguez	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 10,0000 * / in.	CHECKED -	REVISED -
PLOT DATE = 10/16/2025	DATE -	REVISED -

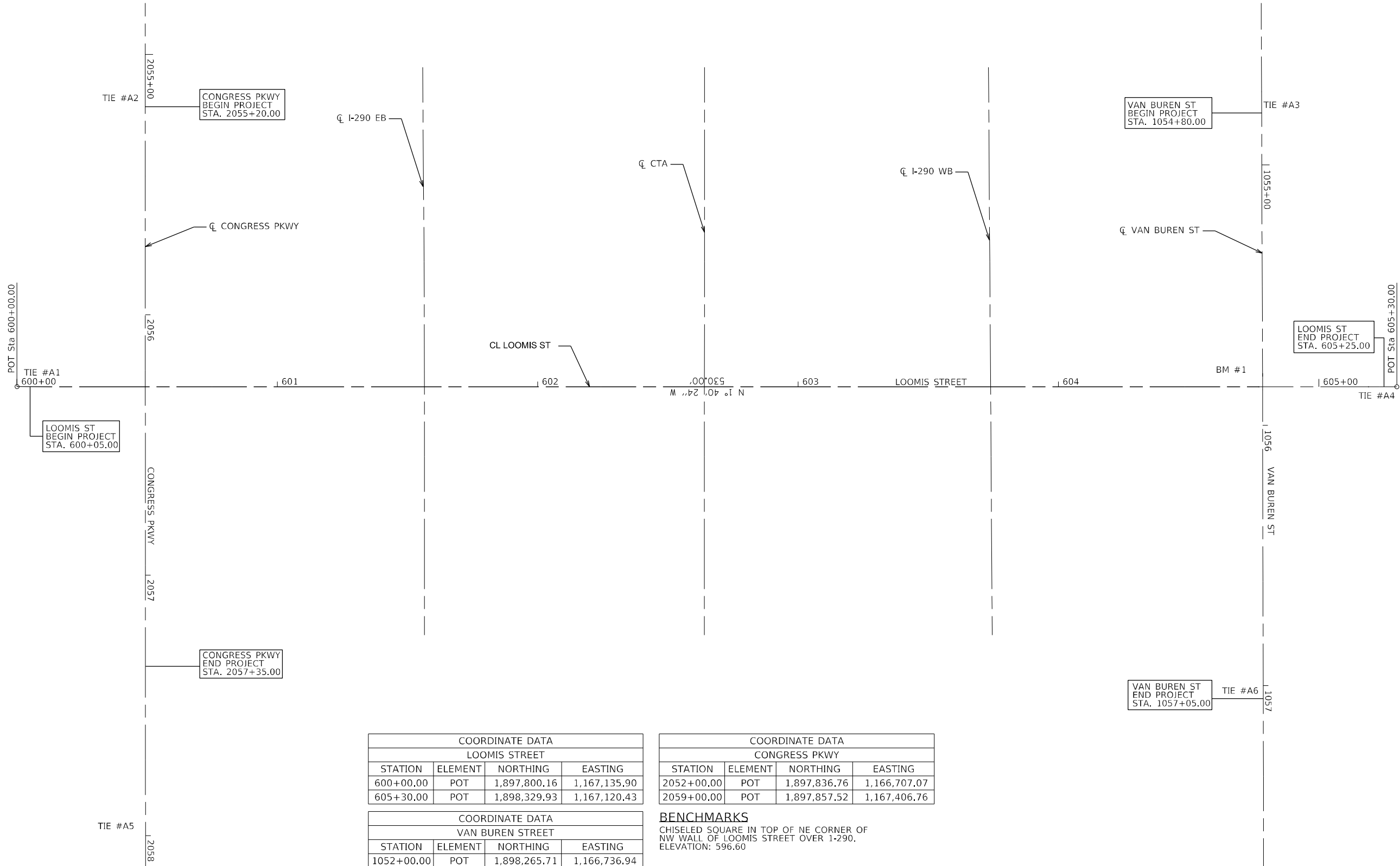
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS
LOOMIS STREET OVER I-290 (FAI 290)

SCALE: N.T.S. SHEET 2 OF 3 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	FAI 290 22 BRIDGE 3	COOK	161	19
CONTRACT NO. 62U12				
ILLINOIS FED. AID PROJECT				





COORDINATE DATA			
LOOMIS STREET			
STATION	ELEMENT	NORTHING	EASTING
600+00.00	POT	1,897,800.16	1,167,135.90
605+30.00	POT	1,898,329.93	1,167,120.43

COORDINATE DATA			
VAN BUREN STREET			
STATION	ELEMENT	NORTHING	EASTING
1052+00.00	POT	1,898,265.71	1,166,736.94
1055+85.20	PI	1,898,278.37	1,167,121.93
1059+00.00	POT	1,898,288.22	1,167,436.58

COORDINATE DATA			
CONGRESS PKWY			
STATION	ELEMENT	NORTHING	EASTING
2052+00.00	POT	1,897,836.76	1,166,707.07
2059+00.00	POT	1,897,857.52	1,167,406.76

BENCHMARKS
CHISELED SQUARE IN TOP OF NE CORNER OF
NW WALL OF LOOMIS STREET OVER I-290.
ELEVATION: 596.60

MODEL: Default
FILE NAME: W:\19178\DOT_205009-1-290_Loomis & Radree\CADD_Sheets\62U12_Loomis Street\62U12.dwg Alignment Title.dgn



BLA, Inc.
ITASCA, ILLINOIS

USER NAME = jrodriguez
PLOT SCALE = 40,0056 ' / in.
PLOT DATE = 10/16/2025

DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ALIGNMENTS, TIES, AND BENCHMARKS
LOOMIS STREET OVER I-290 (FAI 290)

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	FAI 290 22 BRIDGE 3	COOK	161	21
CONTRACT NO. 62U12				
ILLINOIS FED. AID PROJECT				

MODEL: Default
FILE NAME: Vol_01_178 IDOT_205009 L290 Loomis & Radne/CADD_Sheets/62U12 Loomis Street/62U12.dwg Alignment Ties.dgn



BLA, Inc.
ITASCA, ILLINOIS

USER NAME = jrodriguez
PLOT SCALE = 40,0000 * / in.
PLOT DATE = 10/16/2025

DESIGNED -
DRAWN -
CHECKED -
DATE -

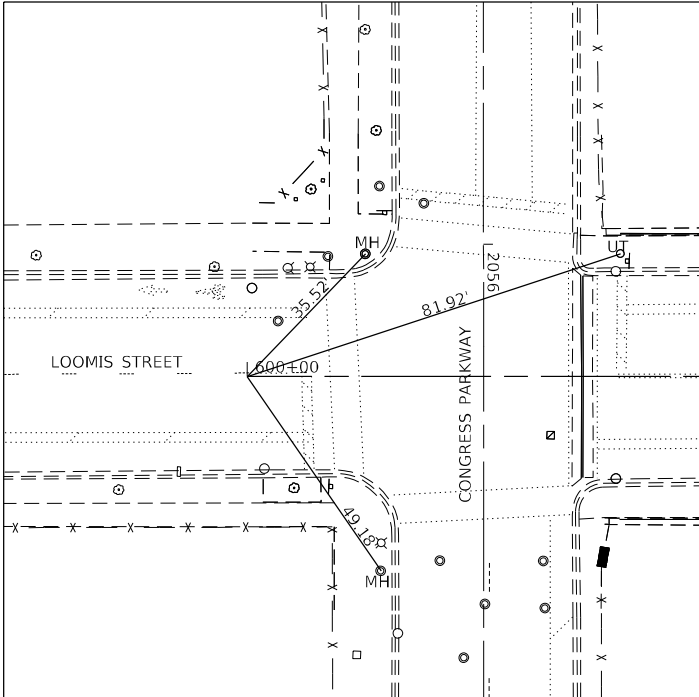
REVISED -
REVISED -
REVISED -
REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

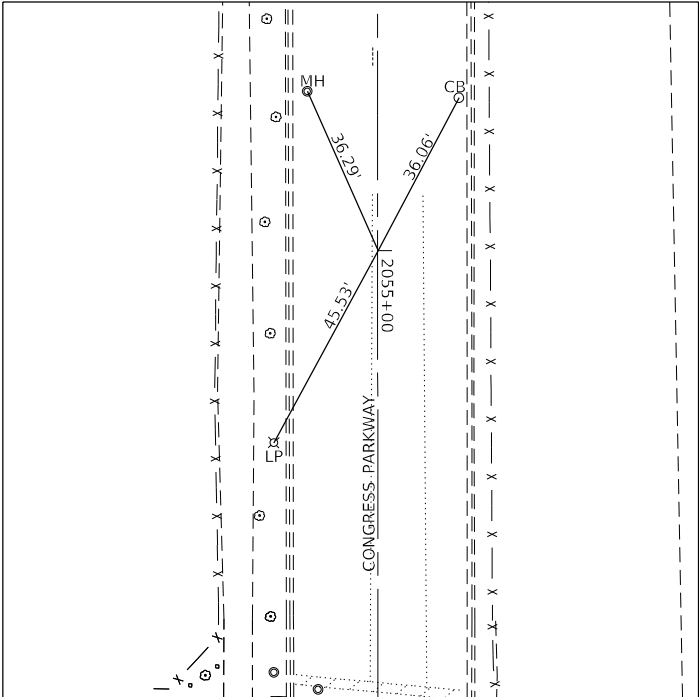
**ALIGNMENTS, TIES, AND BENCHMARKS
LOOMIS STREET OVER I-290 (FAI 290)**

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

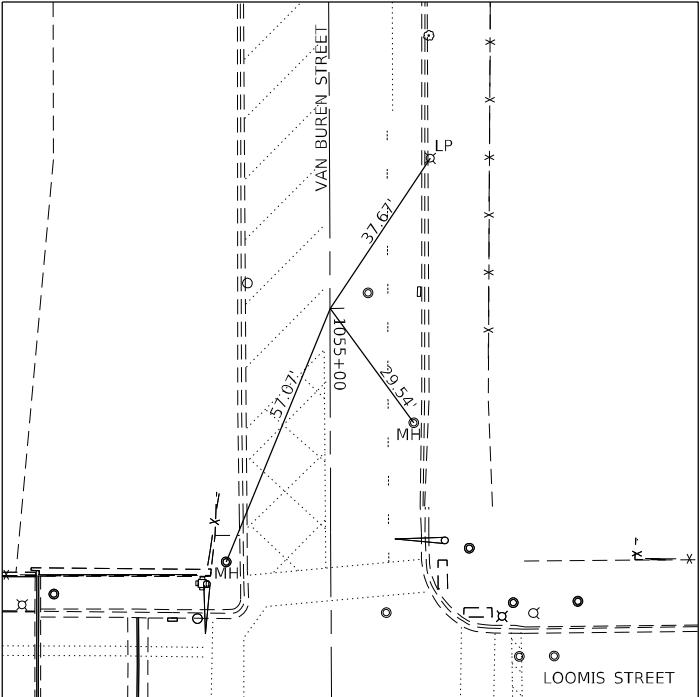
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	FAI 290 22 BRIDGE 3	COOK	161	22
CONTRACT NO. 62U12				
		ILLINOIS	FED. AID PROJECT	



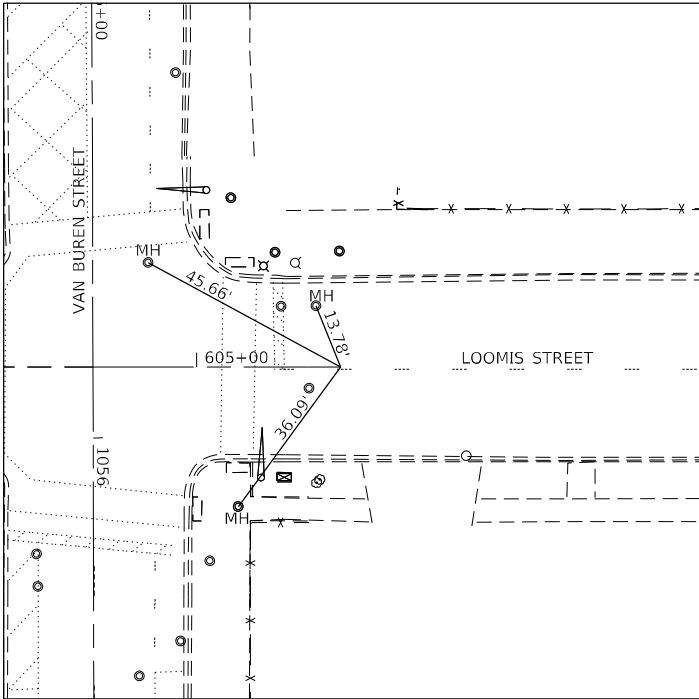
ALIGNMENT TIE #A1
LOOMIS STREET
SOUTH TIE - STA 600+00.00
N: 1897800.16
E: 1897800.16



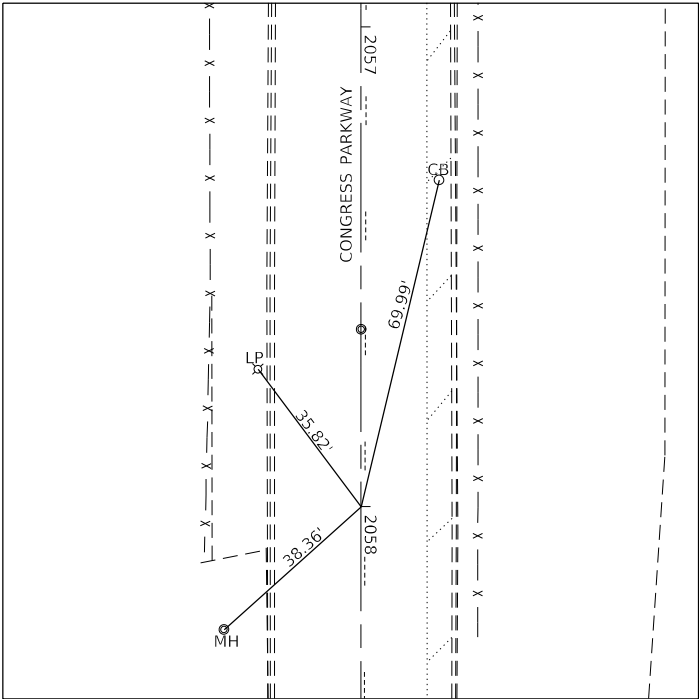
ALIGNMENT TIE #A2
CONGRESS PARKWAY
STA 2055+00.00
N: 1897845.66
E: 1167006.94



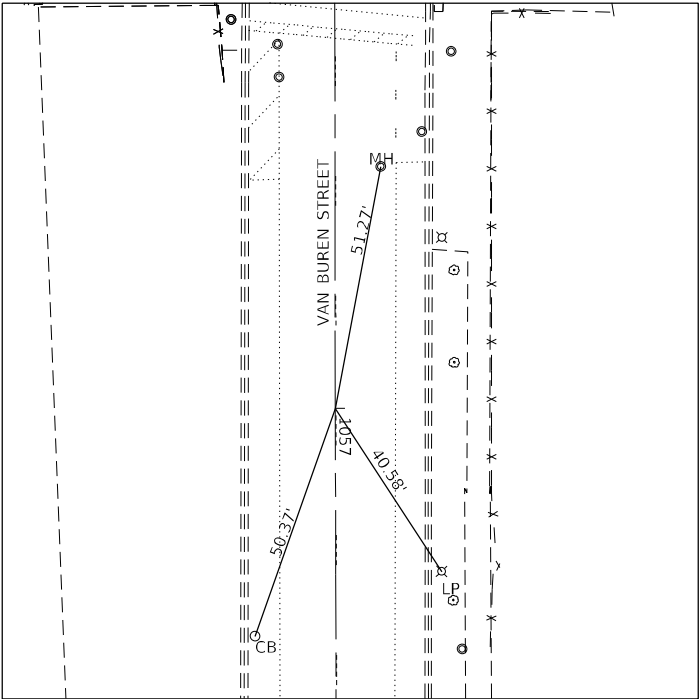
ALIGNMENT TIE #A3
VAN BUREN STREET
STA 1055+00.00
N: 189275.57
E: 1167036.78



ALIGNMENT TIE #A4
LOOMIS STREET
STA 605+30.00
N: 1898329.93
E: 1167120.43

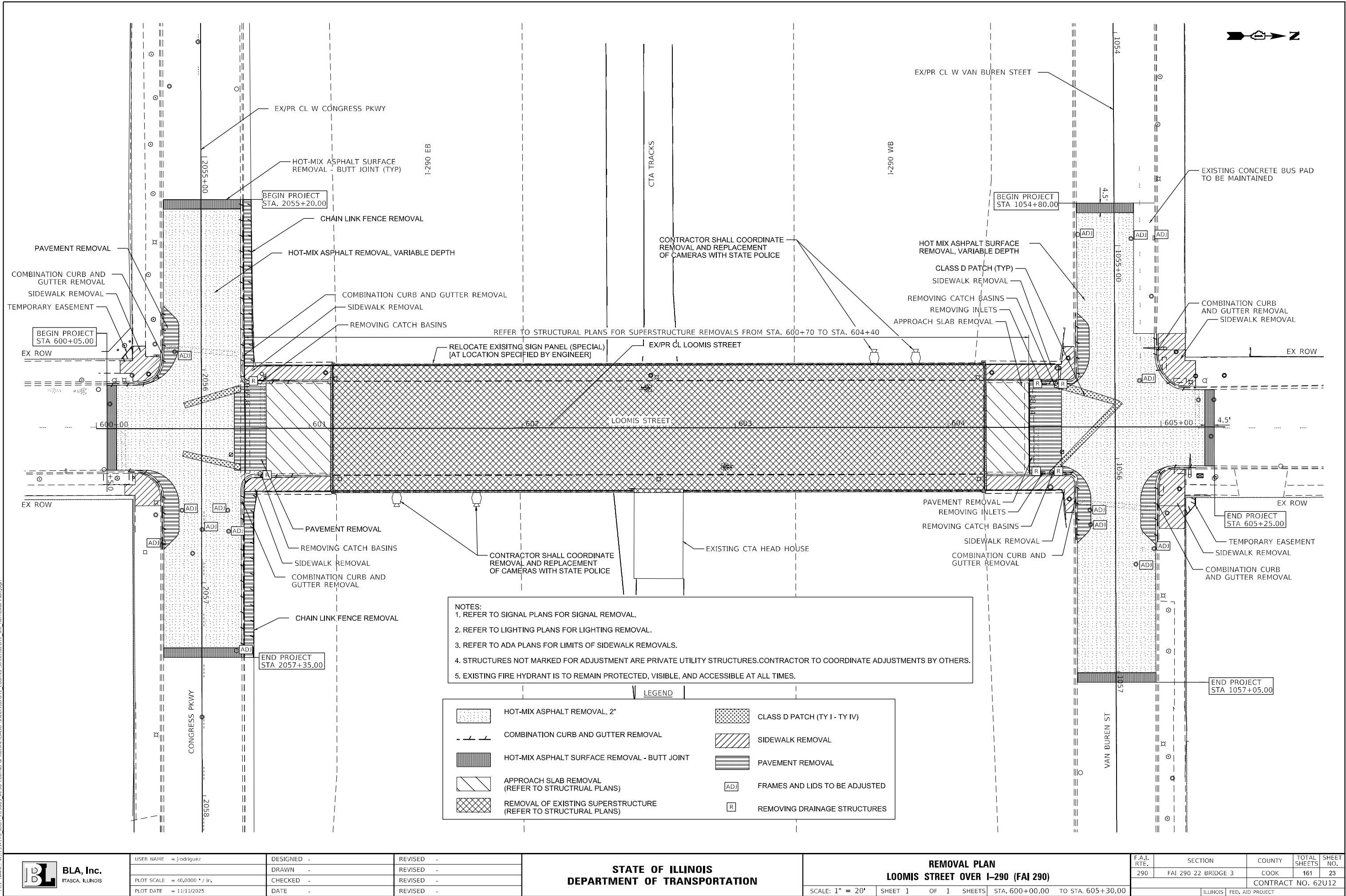


ALIGNMENT TIE #A5
CONGRESS PARKWAY
STA 2058+00.00
N: 1897854.56
E: 1897854.56



ALIGNMENT TIE #A6
VAN BUREN STREET
STA 1057+00.00
N: 1898281.96
E: 1167236.68

MODEL: Default
FILE NAME: Vol 01 178 IDOT_205000 L290 Loomis & Racine CADD Sheets62U12 Loomis Street62U12_gh Removal Plan.dgn



USER NAME = jrodriguez
DRAWN -
PLOT SCALE = 40,0000 * / in.
PLOT DATE = 11/11/2025

DESIGNED -
DRAWN -
CHECKED -
DATE -

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

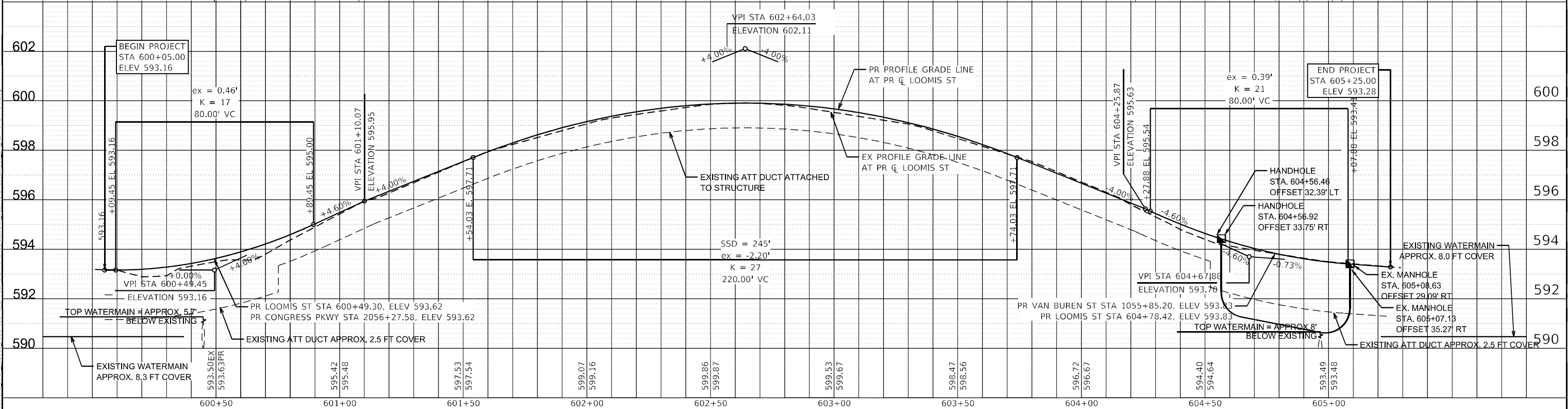
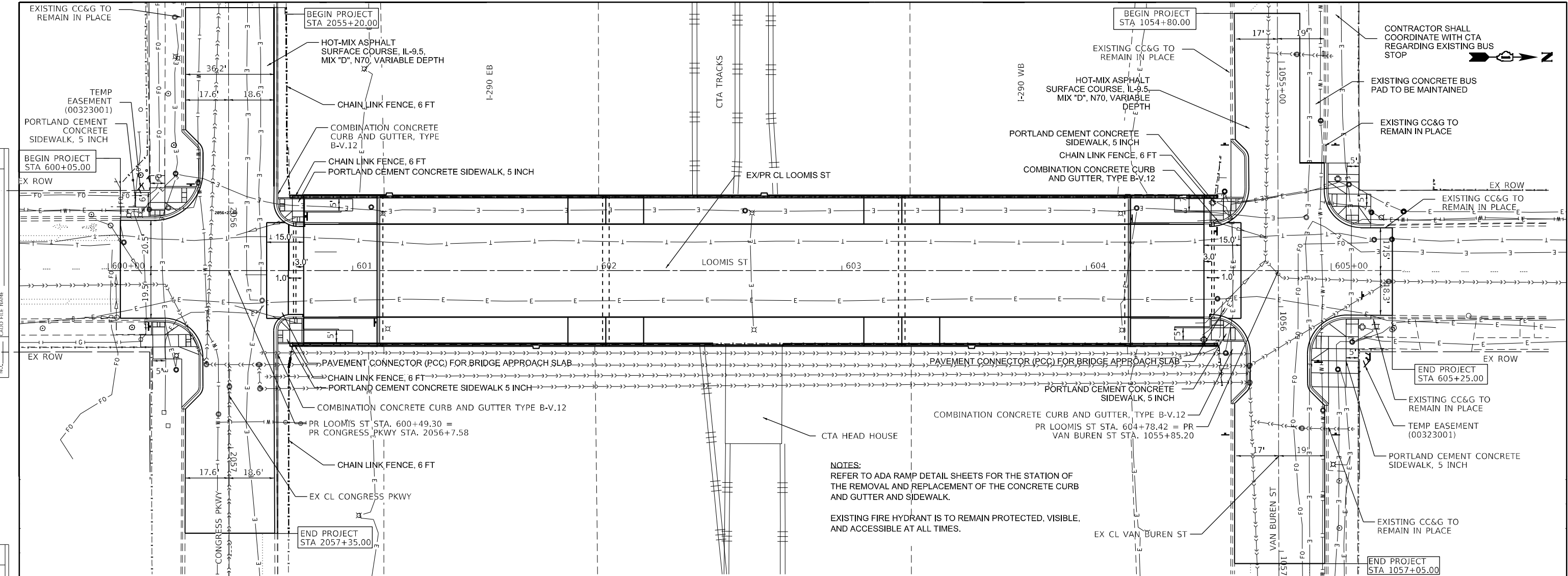
REMOVAL PLAN
LOOMIS STREET OVER I-290 (FAI 290)

SCALE: 1" = 20' SHEET 1 OF 1 SHEETS STA. 600+00.00 TO STA. 605+30.00

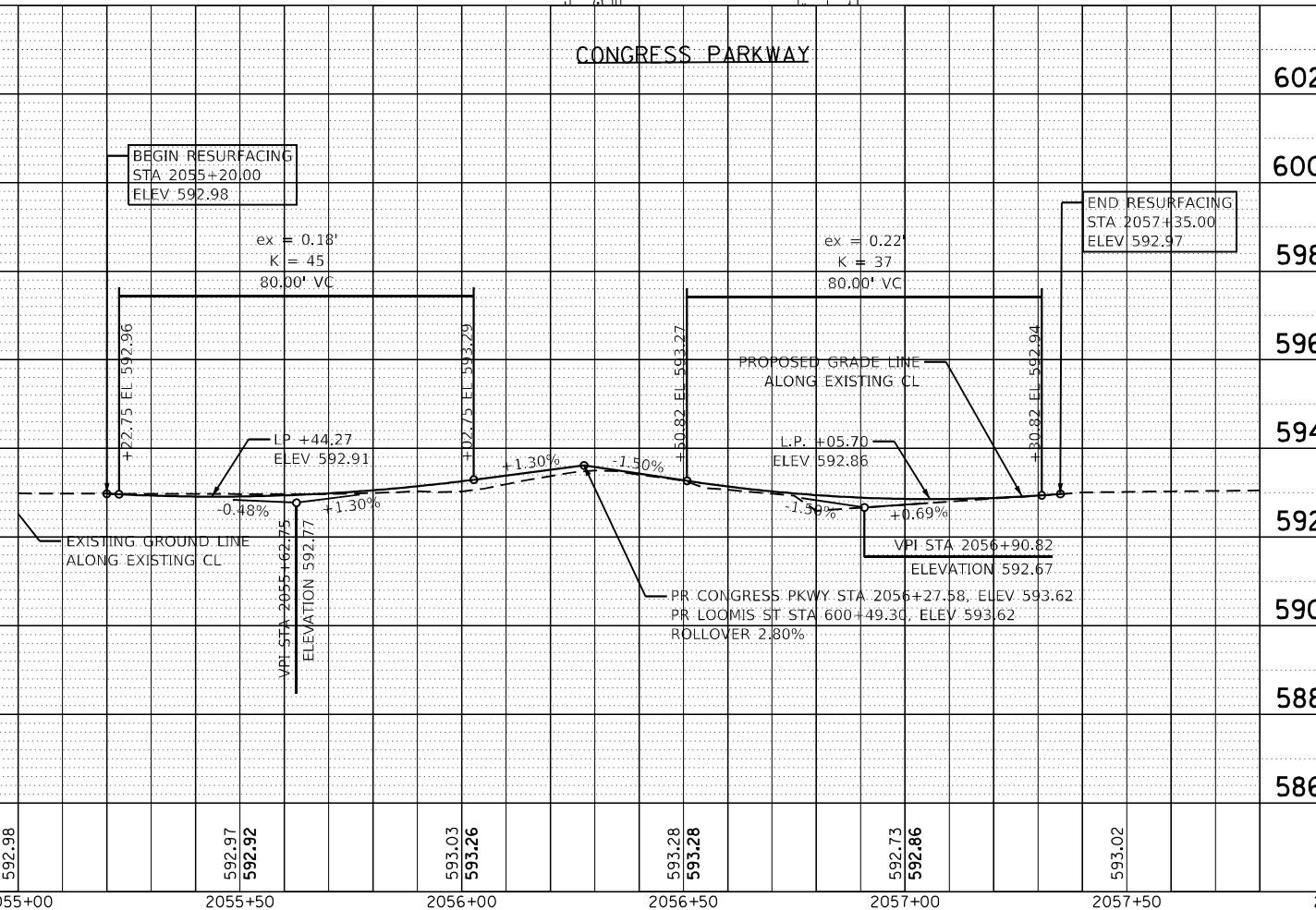
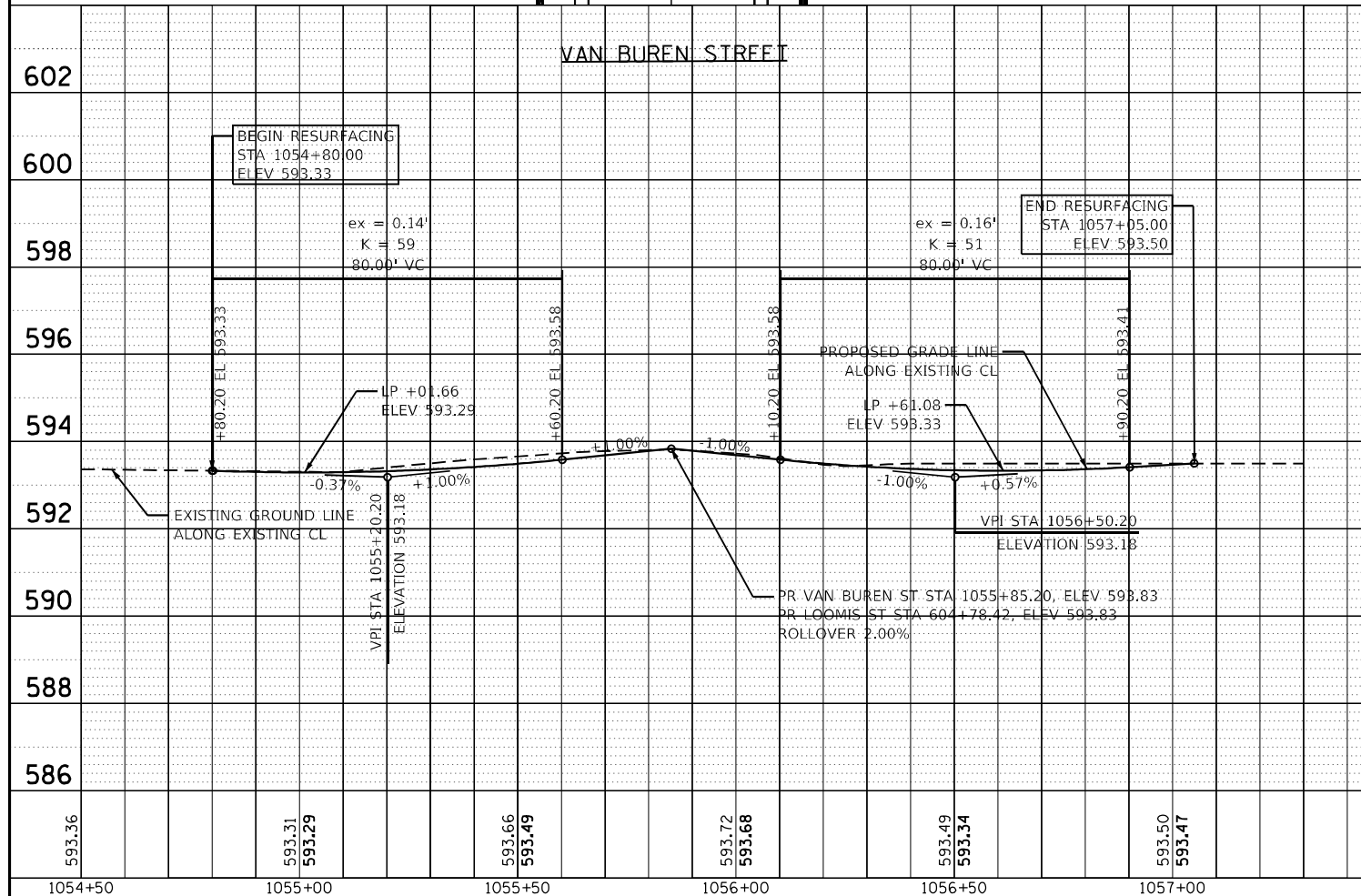
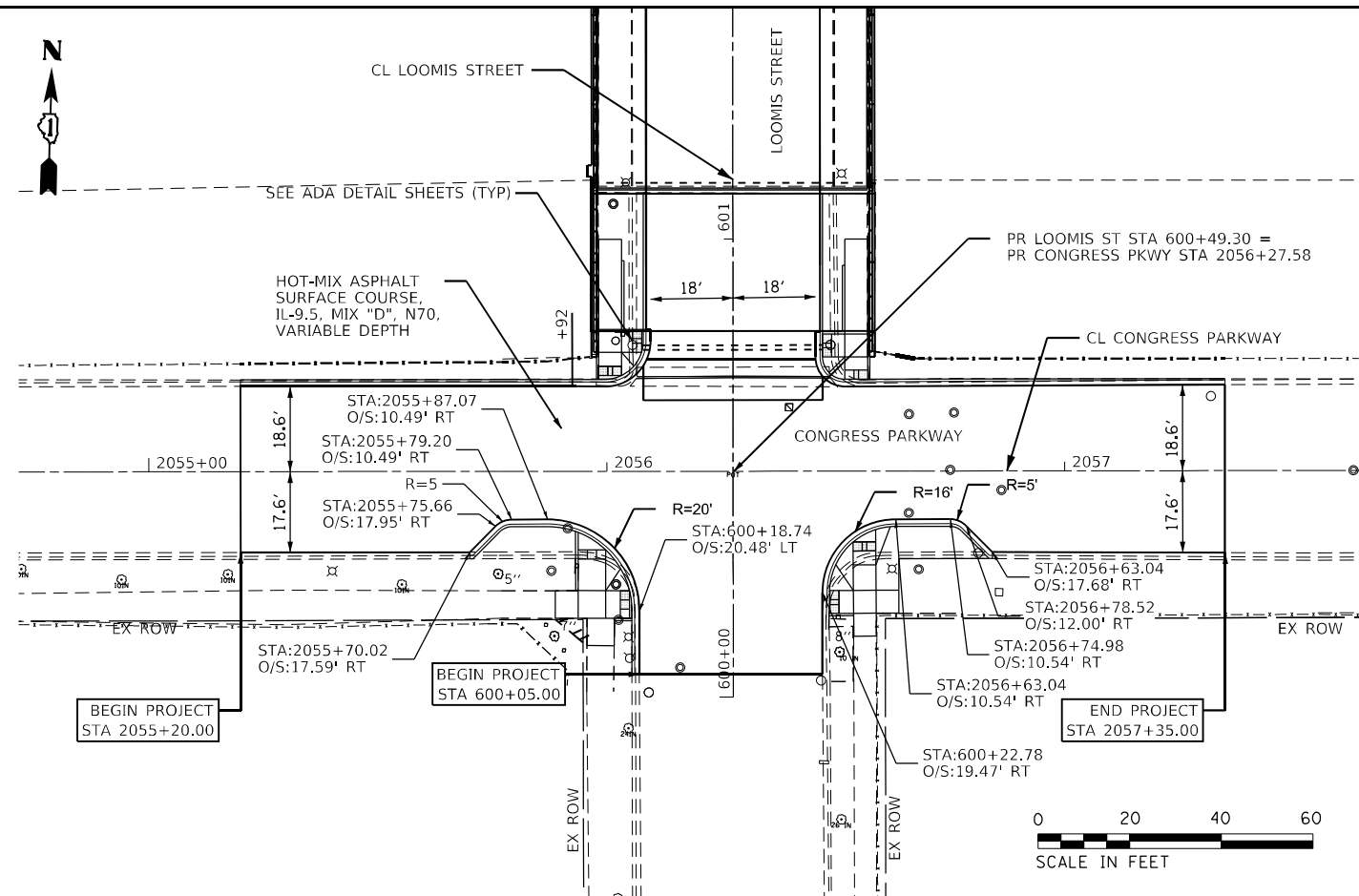
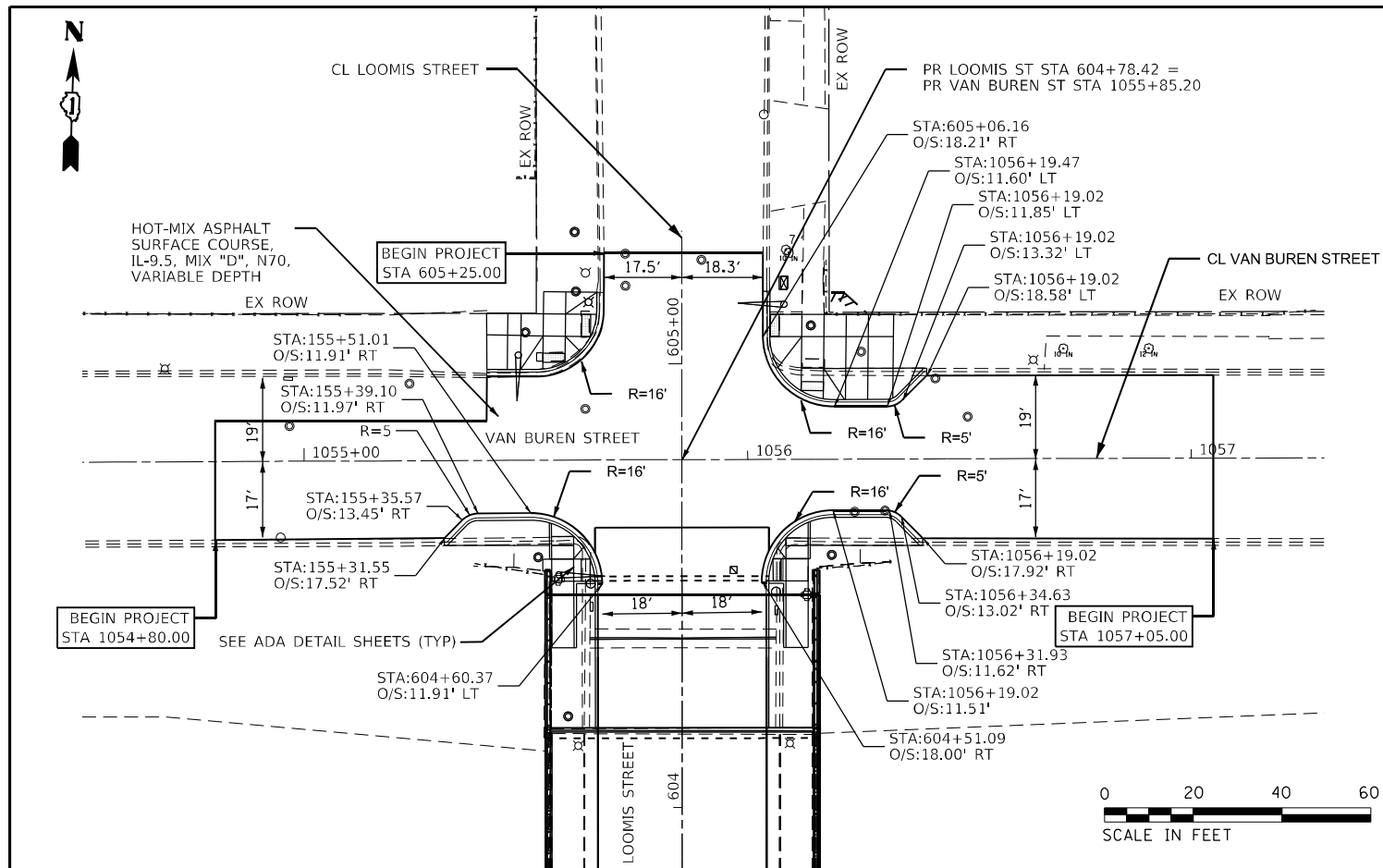
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	FAI 290 22 BRIDGE 3	COOK	161	23
CONTRACT NO. 62U12				
ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	DATE
NO.	BY	
NOTE BOOK	PLOTTED	
NO.	ALIGNMENT CHECKED	
NO.	CADD FILE NAME	

PROFILE			BY	DATE
		SURVEYED		
		PLOTTED		
NOTE BOOK		GRADES CHECKED		
		B.M. NOTED		
NO. _____		STRUCTURE NOTATIONS CHWD		



MODEL: Default FILE NAME: W3191-179-1001-205009-1-290 Loomis St over I-290 CADD: Loomis St over I-290  BLA, Inc. ITASCA, ILLINOIS	USER NAME = jrodriguez	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ROADWAY PLAN AND PROFILE LOOMIS STREET OVER I-290 (FAI 290)			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 40,0000 * / in.	DRAWN -	REVISED -					290	FAI 290 22 BRIDGE 3		161	24
	PLOT DATE = 11/17/2025	CHECKED -	REVISED -		CONTRACT NO. 62U12							
		DATE -	REVISED -		ILLINOIS FED. AID PROJECT							



MAINTENANCE OF TRAFFIC – GENERAL NOTES

1.

TRAFFIC CONDITIONS, CRASHES, AND OTHER UNFORESEEN EMERGENCY CONDITIONS MAY REQUIRE THE ENGINEER TO RESTRICT, MODIFY, OR REMOVE LANE CLOSURES OR CHANNELIZATIONS SHOWN ON THE PLANS. THE CONTRACTOR SHALL MAKE THE NECESSARY ADJUSTMENTS AS DIRECTED BY THE ENGINEER WITHOUT DELAY. COMPLIANCE WITH THIS REQUIREMENT SHALL BE CONSIDERED INCLUDED IN THE CONTRACT UNIT PRICE OF "TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS)" (X7011015). NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
2.

THE MAINTENANCE OF TRAFFIC PLANS SHALL SERVE AS A GUIDE FOR THE SAFE DIVERSION OF TRAFFIC DURING EXECUTION OF THE CONTRACT. THE CONTRACTOR MAY MODIFY THE MAINTENANCE OF TRAFFIC PLANS TO MEET CONSTRUCTION NEEDS, BUT NOT AT THE EXPENSE OF PUBLIC SAFETY OR CONVENIENCE. ANY CHANGES TO THE TRAFFIC CONTROL SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW AND APPROVAL.
3.

THE CONTRACTOR SHALL REMOVE OR COVER ALL EXISTING SIGNS THAT CONFLICT WITH OR DO NOT APPLY TO THE REVISED TRAFFIC PATTERNS AND SHALL RESTORE THE SIGNS AT THE END OF CONSTRUCTION AS DIRECTED BY THE ENGINEER.
4.

THE CONTRACTOR SHALL PROVIDE 72 HOURS ADVANCE NOTICE TO THE ENGINEER OF ANY CONSTRUCTION WORK.
5.

DURING CONSTRUCTION ACTIVITIES, THE CONTRACTOR SHALL TAKE NECESSARY PRECAUTIONS TO AVOID ANY CONSTRUCTION DEBRIS FROM ENCROACHING INTO THE ADJACENT THROUGH LANES.
6.

THE CONTRACTOR SHALL REQUEST AND GAIN THE APPROVAL FROM THE ILLINOIS DEPARTMENT OF TRANSPORTATION'S EXPRESSWAY TRAFFIC OPERATIONS ENGINEER AT WWW.IDOTLCS.COM TWENTY-FOUR (24) HOURS IN ADVANCE OF ALL DAILY LANE, RAMP AND SHOULDER CLOSURES. SEE KEEPING THE EXPRESSWAY OPEN TO TRAFFIC SPECIAL PROVISION FOR MORE INFORMATION.
7.

ALL STAGE CHANGES REQUIRING THE STOPPING AND/OR THE PACING OF TRAFFIC SHALL TAKE PLACE DURING THE ALLOWABLE HOURS FOR FULL EXPRESSWAY CLOSURES AND SHALL BE APPROVED BY THE DEPARTMENT. THE CONTRACTOR SHALL NOTIFY THE DISTRICT ONE EXPRESSWAY TRAFFIC CONTROL SUPERVISOR AT LEAST 3 WORKING DAYS (WEEKENDS AND HOLIDAYS DO NOT COUNT INTO THIS 72 HOURS NOTIFICATION) IN ADVANCE OF ANY PROPOSED STAGE CHANGE.
8.

A MAINTENANCE OF TRAFFIC PLAN SHALL BE SUBMITTED TO THE DISTRICT ONE EXPRESSWAY TRAFFIC CONTROL SUPERVISOR 14 DAYS IN ADVANCE OF ANY STAGE CHANGES OR FULL EXPRESSWAY CLOSURES. THE MAINTENANCE OF TRAFFIC PLAN SHALL INCLUDE, BUT NOT BE LIMITED TO: LANE AND RAMP CLOSURES, EXISTING GEOMETRICS, AND EQUIPMENT AND MATERIAL LOCATIONS.
9.

THE CONTRACTOR IN COORDINATION WITH THE RESIDENT ENGINEER SHALL NOTIFY EXPRESSWAYS 14 DAYS IN ADVANCE PRIOR TO FULLSTOPS FOR BEAM REMOVAL AND PLACEMENT ON WESTBOUND I-290.
10.

WHEN WORKING ADJACENT TO THE ROAD AND UTILIZING DAILY LANE CLOSURES, DROP-OFFS ADJACENT TO THE TRAVEL LANES SHALL BE KEPT TO A MINIMUM. PROTECTION OF THE DROP-OFF SHALL BE ACCORDING TO THE IDOT BUREAU OF SAFETY PROGRAMS AND ENGINEERING, SAFETY ENGINEERING POLICY MEMORANDUM 4-21. DROP-OFFS GREATER THAN THE SPECIFIED MAXIMUM DROP-OFF DEPTH SHOWN IN TABLE 2, CONDITION II OF THE SAFETY 4-21 POLICY WILL NOT BE ALLOWED AT LOCATIONS WHERE THE DROP-OFF IS LOCATED WITHIN 8 FT OF THE EDGE OF THE NEAREST OPEN TRAFFIC LANE. THE CONTRACTOR WILL BE REQUIRED TO PERFORM THE EXCAVATION REQUIRED FOR THE CONSTRUCTION DURING THE TIME THAT THE ADJACENT LANE IS CLOSED. AS NOTED ABOVE, PRIOR TO REOPENING THE LANE TO TRAFFIC, THE CONTRACTOR SHALL PLACE SUFFICIENT MATERIAL TO REDUCE THE DROP-OFF TO LESS THAN THE SPECIFIED MAXIMUM DROP-OFF DEPTH SHOWN IN TABLE 2, CONDITION II OF THE SAFETY 4-21 POLICY AND ENSURE THAT THE DROP-OFF AREAS MEET THE OFFSET, HEIGHT, AND DURATION REQUIREMENTS TO USE BARRICADES/DRUMS AT THE END OF EACH WORKDAY. THE CONTRACTOR SHALL BE RESPONSIBLE TO DETERMINE THE AMOUNT OF WORK THAT CAN BE COMPLETED WITHIN THE TIME OF THE DAILY LANE CLOSURE. IF THE ABOVE REQUIREMENTS CAN'T BE MET, AND IT IS DETERMINED THAT OVERNIGHT LANE CLOSURES AND/OR TEMPORARY CONCRETE BARRIER WALL INSTALLATION WILL BE NECESSARY, THEN IDOT WRITTEN APPROVAL WILL BE REQUIRED PRIOR TO THE INSTALLATION OF THESE ITEMS. NO ADDITIONAL COMPENSATION SHALL BE ALLOWED TO COMPLY WITH THIS REQUIREMENT. WHERE POSITIVE PROTECTION (TEMPORARY CONCRETE BARRIER PER STD. 704001) IS PROVIDED, THIS REQUIREMENT IS NULLIFIED.
11.

PAVEMENT MARKING TAPE, TYPE IV SHOWN ON THE PLANS FOR ANY CONSTRUCTION STAGE THAT THE CONTRACTOR PROPOSES TO EXTEND OVER THE WINTER PERIOD SHALL MEAN MODIFIED URETHANE PAVEMENT MARKING AND WILL BE PAID FOR THEIR RESPECTIVE CONTRACT UNIT PRICE.
12.

ALL EXISTING LANE LINE PAVEMENT MARKINGS AND RAISED REFLECTIVE PAVEMENT MARKER REFLECTORS LOCATED WITHIN TEMPORARY LANE CLOSURE TAPERS, LANE SHIFT TAPERS OR IN LOCATIONS THAT CONFLICT WITH THE TEMPORARY PAVEMENT MARKING TAPE USED FOR STAGING SHALL BE REMOVED VIA WATER BLASTING WITH VACUUM RECOVERY IF THE STAGING WILL REMAIN IN PLACE FOR MORE THAN 14 DAYS. THE EXISTING PAVEMENT MARKINGS AND RAISED REFLECTIVE PAVEMENT MARKER REFLECTORS THAT WERE REMOVED SHALL BE RESTORED IN KIND AFTER THE COMPLETION OF THE STAGING.
13.

DURING CONSTRUCTION ACTIVITIES, THE CONTRACTOR SHALL TAKE NECESSARY PRECAUTIONS TO AVOID CAUSING ANY DAMAGE TO THE EXISTING CTA HEAD HOUSE.
14.

TEMPORARY CONCRETE BARRIER SHALL BE INSTALLED IN ACCORDANCE WITH SECTION 704 OF THE IDOT STANDARD SPECIFICATIONS. ALL TEMPORARY CONCRETE BARRIER APPROACH AND DEPARTING END UNITS SHALL BE ANCHORED TO THE PAVEMENT USING SIX ANCHOR PINS AS SHOWN IN IDOT STANDARD 704001. PINNING OF ADDITIONAL BARRIER UNITS WITH THREE ANCHOR PINS ON THE TRAFFIC SIDE HOLES WITHIN THE INSTALLATION SHALL BE REQUIRED WHEN EQUIPMENT, VEHICLES, MATERIALS, FIXED OBJECTS, OR A DROP-OFF IS LOCATED WITHIN 24" BEHIND THE BARRIER. THE 24" OF CLEAR PAVEMENT MEASUREMENT SHALL BE FROM THE BASE OF THE NON-TRAFFIC SIDE OF THE BARRIER. TRAFFIC SIDE PINNED BARRIER SHALL HAVE A MINIMUM OF 6" OF CLEAR PAVEMENT BEHIND THE BARRIER, WHERE BOTH PINNED AND UNPINNED BARRIER UNITS ARE USED IN A CONTINUOUS INSTALLATION, A TRANSITION SHALL BE PROVIDED BETWEEN THEM. THE TRANSITION FROM PINNED TO UNPINNED BARRIER SHALL CONSIST OF TWO ANCHOR PINS INSTALLED IN THE END HOLES ON THE TRAFFIC SIDE OF THE FIRST BARRIER BEYOND THE PINNED SECTION AND ONE ANCHOR PIN INSTALLED IN THE MIDDLE HOLE OF THE TRAFFIC SIDE OF THE SECOND BARRIER BEYOND THE PINNED SECTION. THE THIRD BARRIER BEYOND THE PINNED SECTION SHALL THEN BE UNPINNED.

SUGGESTED STAGING NOTES

PRE-STAGE 1

TRAFFIC

I-290 (EISENHOWER EXPRESSWAY)

1.

ALL WORK TO BE DONE DURING OFF-PEAK HOURS.
2.

CLOSE TWO LANES OF TRAFFIC AT A TIME UTILIZING HIGHWAY STANDARDS 701400, 701428, AND 701446. TWO LANES SHALL REMAIN OPEN TO TRAFFIC AT ALL TIMES.
3.

CLOSE RAMPS AS NEEDED UTILIZING DISTRICT ONE STANDARD TC-08. RAMPS MAY BE CLOSED ONLY DURING ALLOWABLE TIMES.
4.

WORK CAN BE PERFORMED IN THE EASTBOUND AND WESTBOUND LANES AT THE SAME TIME.
5.

REMOVE ALL TRAFFIC CONTROL DURING PEAK HOURS OR WHEN NO WORK IS BEING PERFORMED.
6.

REFER TO KEEPING THE EXPRESSWAY OPEN TO TRAFFIC SPECIAL PROVISION FOR ALLOWABLE LANE CLOSURE HOURS.

CTA

1.

REFER TO THE CTA FLAGGING AND COORDINATION SPECIAL PROVISION FOR REQUIREMENTS WORKING ADJACENT TO OR ABOVE THE CTA RIGHT-OF-WAY.

CONSTRUCTION

1.

REMOVE EXISTING SIGNS ATTACHED TO LOOMIS STREET BRIDGE.
2.

PLACE PROTECTIVE SHIELDING AT LOCATIONS AS SHOWN ON THE STRUCTURAL PLANS.
3.

USE FILLING EXISTING SHOULDER RUMBLE STRIPS FOR OUTSIDE SHOULDER RUMBLE STRIPS ALONG WESTBOUND I-290.

SUGGESTED STAGING NOTES (CONT.)

STAGE 1

TRAFFIC

LOOMIS STREET

1.

CLOSE LOOMIS STREET AND DETOUR TRAFFIC, BICYCLISTS, AND PEDESTRIANS AS SHOWN ON THE PLANS.

CONGRESS PARKWAY

1.

CLOSE THE INSIDE LANE UTILIZING HIGHWAY STANDARD 701601. SHIFT TRAFFIC TO THE OUTSIDE AND PROVIDE TWO 11-FOOT LANES AS SHOWN ON THE PLANS.
2.

PLACE TEMPORARY CONCRETE BARRIER BETWEEN TRAFFIC AND CONSTRUCTION ACTIVITIES.

VAN BUREN STREET

1.

CLOSE THE INSIDE LANE UTILIZING HIGHWAY STANDARD 701601 TO PROVIDE ONE 12-FOOT LANE, AS SHOWN ON THE PLANS.
2.

PLACE TEMPORARY CONCRETE BARRIER BETWEEN TRAFFIC AND CONSTRUCTION ACTIVITIES.

I-290 (EISENHOWER EXPRESSWAY)

1.

CLOSE THE INSIDE AND OUTSIDE SHOULDER AND SHIFT TRAFFIC TO THE OUTSIDE UTILIZING DISTRICT ONE STANDARD TC-09 AND AS SHOWN ON THE PLANS. PROVIDE FOUR 11-FOOT WIDE LANES OF TRAFFIC IN EACH DIRECTION. FOR EASTBOUND TRAFFIC, MAINTAIN THE EXISTING OUTSIDE EDGE OF TRAVELED WAY AND SHIFT THE INSIDE EDGE OF TRAVELED WAY FOUR FEET. FOR WESTBOUND TRAFFIC, SHIFT THE OUTSIDE EDGE OF TRAVELED WAY TWO FEET ON THE SHOULDER AND SHIFT THE INSIDE EDGE OF TRAVELED WAY SIX FEET.
2.

PROVIDE AN 11-FOOT WIDE AUXILIARY LANE BETWEEN ENTRANCE AND EXIT RAMPS.
3.

PLACE TEMPORARY CONCRETE BARRIER BETWEEN TRAFFIC AND CONSTRUCTION ACTIVITIES DURING OFF-PEAK HOURS. CLOSE RAMPS AS NEEDED UTILIZING DISTRICT ONE STANDARD TC-08. RAMPS MAY BE CLOSED ONLY DURING ALLOWABLE TIMES. CLOSE ONE LANE OF TRAFFIC AS NEEDED UTILIZING HIGHWAY STANDARDS 701400 AND 701428. THREE LANES SHALL REMAIN OPEN TO TRAFFIC AT ALL TIMES.

CTA

1.

REFER TO THE CTA FLAGGING AND COORDINATION SPECIAL PROVISION FOR REQUIREMENTS WORKING ADJACENT TO OR ABOVE THE CTA RIGHT-OF-WAY.

CONSTRUCTION

1.

INSTALL TEMPORARY SHORING FOR PIER CAPS. THIS WORK MUST BE COMPLETED PRIOR TO BEGINNING REMOVAL OF THE EXISTING SUPERSTRUCTURE.
2.

INSTALL TEMPORARY TRAFFIC SIGNALS.
3.

REMOVE EXISTING BRIDGE DECK AND BEAMS. UTILIZE STAGE 1A AS NEEDED FOR BEAM REMOVAL.
4.

PERFORM ABUTMENT AND PIER REPAIRS.
5.

CONSTRUCT PROPOSED BRIDGE DECK. UTILIZE STAGE 1A AS NEEDED FOR BEAM ERECTION.
6.

REMOVE THE TEMPORARY SHORING.
7.

CONSTRUCT PROPOSED BRIDGE APPROACH PAVEMENT.
8.

CONSTRUCT ADA IMPROVEMENTS AT THE NORTH LEG OF THE INTERSECTION OF LOOMIS STREET AND CONGRESS PARKWAY AND THE SOUTH LEG OF THE INTERSECTION OF LOOMIS STREET AND VAN BUREN STREET.

STAGE 1A

TRAFFIC

I-290 (EISENHOWER EXPRESSWAY)

1.

ALL WORK TO BE DONE DURING OFF-PEAK HOURS.
2.

STARTING FROM STAGE 1 CONFIGURATION, CLOSE THREE LANES OF TRAFFIC UTILIZING HIGHWAY STANDARDS 701400, 701401, 701428, AND 701446. LEAVE REMAINING LANE OPEN TO TRAFFIC.
3.

CLOSE REMAINING LANE FOR 15-MINUTE DURATIONS AS NEEDED FOR BEAM REMOVAL OR BEAM ERECTION.
4.

CLOSE RAMPS AS NEEDED UTILIZING DISTRICT ONE STANDARD TC-08. RAMPS MAY BE CLOSED ONLY DURING ALLOWABLE TIMES.
5.

RETURN TO STAGE 1 CONFIGURATION DURING PEAK HOURS.
6.

REFER TO KEEPING THE EXPRESSWAY OPEN TO TRAFFIC SPECIAL PROVISION FOR ALLOWABLE LANE CLOSURE HOURS.

CONSTRUCTION

1.

REMOVE EXISTING BRIDGE BEAMS.
2.

INSTALL BEARINGS.
3.

ERECT PROPOSED BRIDGE BEAMS.

STAGE 1B

TRAFFIC

I-290 (EISENHOWER EXPRESSWAY)

1.

ALL WORK TO BE DONE DURING OFF-PEAK HOURS.
2.

CLOSE TWO LANES OF TRAFFIC AT A TIME UTILIZING HIGHWAY STANDARDS 701400, 701428, AND 701446. TWO LANES SHALL REMAIN OPEN TO TRAFFIC AT ALL TIMES.
3.

CLOSE RAMPS AS NEEDED UTILIZING DISTRICT ONE STANDARD TC-08. RAMPS MAY BE CLOSED ONLY DURING ALLOWABLE TIMES.
4.

WORK CAN BE PERFORMED IN THE EASTBOUND AND WESTBOUND LANES AT THE SAME TIME.
5.

REFER TO KEEPING THE EXPRESSWAY OPEN TO TRAFFIC SPECIAL PROVISION FOR ALLOWABLE LANE CLOSURE HOURS.

CONSTRUCTION

1.

INSTALL NEW SIGNS ON BRIDGE.

STAGE 2

TRAFFIC

LOOMIS ST

1.

CLOSE LANES DURING OFF-PEAK HOURS UTILIZING HIGHWAY STANDARDS 701501 AND 701701.

CONGRESS PARKWAY

1.

CLOSE LANES DURING OFF-PEAK HOURS UTILIZING HIGHWAY STANDARDS 701601 AND 701701.

VAN BUREN STREET

1.

CLOSE LANES DURING OFF-PEAK HOURS UTILIZING HIGHWAY STANDARDS 701601 AND 701701.

I-290 (EISENHOWER EXPRESSWAY)

1.

ALL LANES OF TRAFFIC IN THE ORIGINAL LANE CONFIGURATION.

CONSTRUCTION

1.

INSTALL PERMANENT TRAFFIC SIGNALS.
2.

CONSTRUCT REMAINING ADA IMPROVEMENTS AT THE SOUTH LEG OF THE INTERSECTION OF LOOMIS STREET AND CONGRESS PARKWAY AND THE NORTH LEG OF THE INTERSECTION OF LOOMIS AND VAN BUREN STREET.
3.

PERFORM MILLING AND RESURFACING.
4.

INSTALL PERMANENT PAVEMENT MARKINGS.
5.

INSTALL OUTSIDE SHOULDER RUMBLE STRIPS ALONG WESTBOUND I-290.

MODEL: Default
FILE: I:\MCE-2323349.dgn
DOT D1 F1B 205-005 Loomis and RedneilDCNDesign\Project\PlotSheets\0162012-shst-staging-notes.dgn



USER NAME = skierplec	DESIGNED - JB	REVISED -
	DRAWN - JB	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED - JH	REVISED -
PLOT DATE = 10/20/2025	DATE - 1/31/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

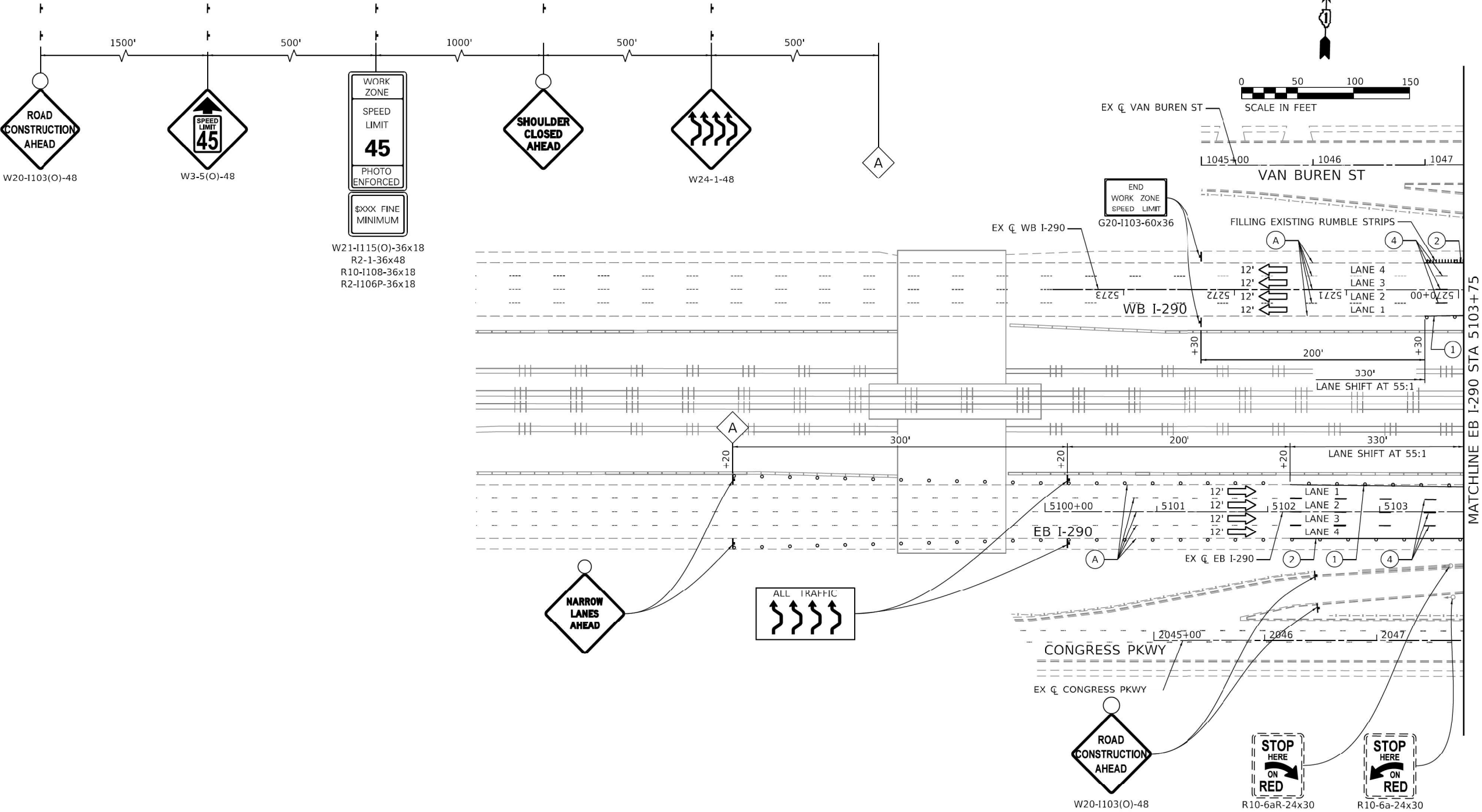
LOOMIS STREET AT I-290 (EISENHOWER EXPRESSWAY)
SUGGESTED STAGING NOTES

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

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	FAI 290 22 BRIDGE 3	COOK	161	26
			CONTRACT NO. 62U12	
		ILLINOIS	FED. AID PROJECT	

- | | |
|---|---|
|  | TEMPORARY CONCRETE BARRIER WALL |
|  | TEMPORARY CONCRETE BARRIER WALL (PINNED ON TRAFFIC SIDE) |
|  | WORK AREA |
|  | 1 TEMPORARY PAVEMENT MARKING - TAPE TYPE IV - LINE 4" (SOLID YELLOW) |
|  | 2 TEMPORARY PAVEMENT MARKING - TAPE TYPE IV - LINE 4" (6' DASH - 18' SKIP WHITE) |
|  | 3 TEMPORARY PAVEMENT MARKING - TAPE TYPE IV - LINE 5" (10' DASH - 30' SKIP WHITE) |
|  | 4 TEMPORARY PAVEMENT MARKING - TAPE TYPE IV - LINE 8" (SOLID WHITE) |
|  | 5 TEMPORARY PAVEMENT MARKING - TAPE TYPE IV - LINE 8" (3' DASH - 9' SKIP WHITE) |
|  | A EXISTING PAVEMENT MARKING |

ADVANCED SIGNING DETAIL – I-290 EASTBOUND



LEGEND

- WORK AREA
- DIRECTION OF TRAFFIC
- TEMPORARY CONCRETE BARRIER
- SIGN ON PORTABLE OR PERMANENT SUPPORT
- ARROW BOARD

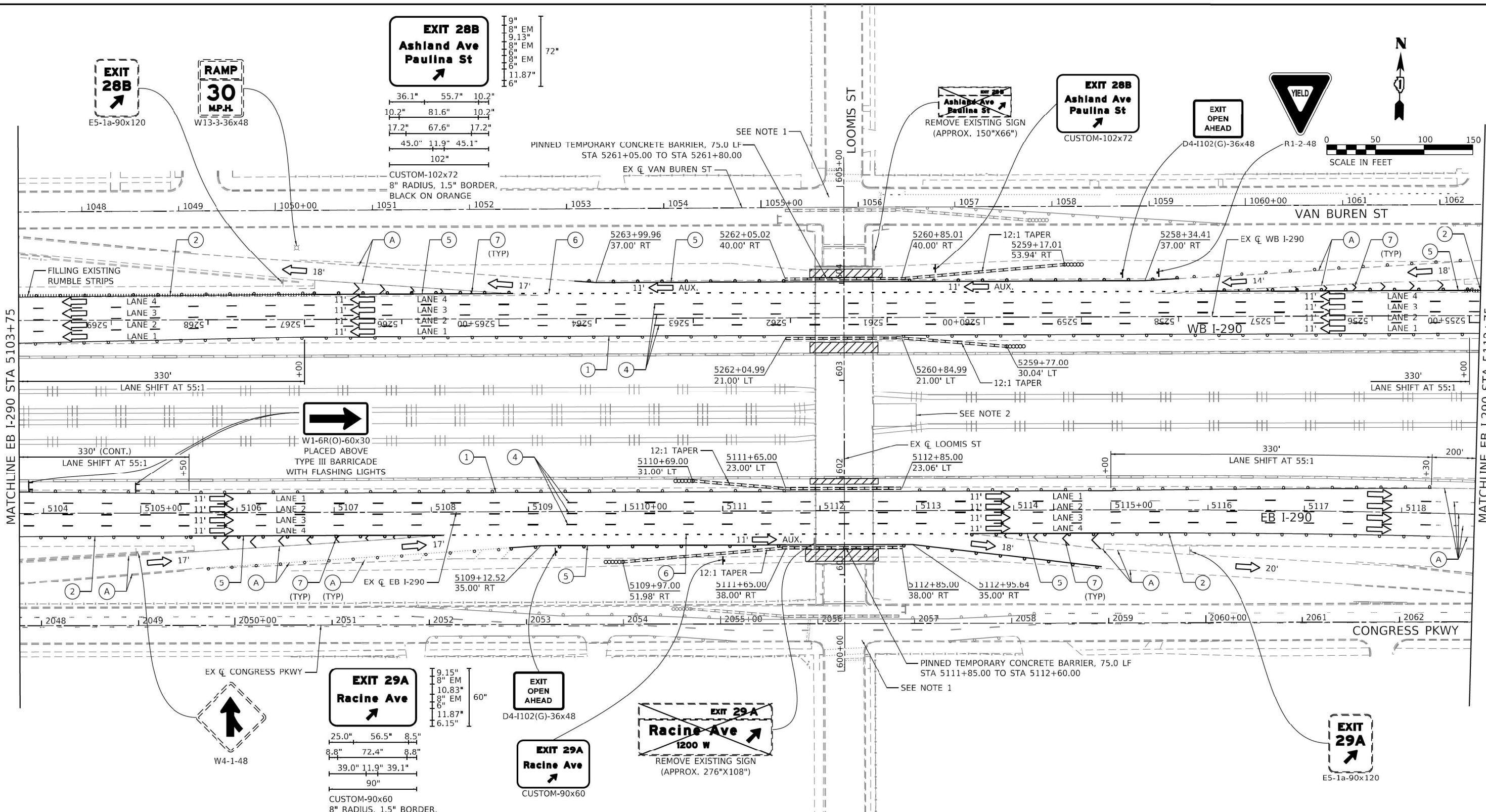
- TYPE III BARRICADE
- IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3
- DRUM OR TYPE II BARRICADE
- AT 100' C-C SPACING IN TANGENTS, AND 50' C-C SPACING IN TAPERS
- EXISTING PAVEMENT MARKING

- TEMPORARY PAVEMENT MARKING - TAPE TYPE IV - LINE 4" (SOLID YELLOW)
- TEMPORARY PAVEMENT MARKING - TAPE TYPE IV - LINE 4" (SOLID WHITE)
- TEMPORARY PAVEMENT MARKING - TAPE TYPE IV - LINE 4" (6' DASH - 18' SKIP WHITE)
- TEMPORARY PAVEMENT MARKING - TAPE TYPE IV - LINE 5" (10' DASH - 30' SKIP WHITE)
- TEMPORARY PAVEMENT MARKING - TAPE TYPE IV - LINE 8" (SOLID WHITE)
- TEMPORARY PAVEMENT MARKING - TAPE TYPE IV - LINE 8" (3' DASH - 9' SKIP WHITE)
- TEMPORARY PAVEMENT MARKING - TAPE TYPE IV - LINE 12" (CHEVRONS AT 30' CENTERS WHITE)

USER NAME = skierpiec	DESIGNED - JB	REVISED -
	DRAWN - JB	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED - JH	REVISED -
PLOT DATE = 9/30/2025	DATE - 1/31/2024	REVISED -

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	FAI 290 22 BRIDGE 3	COOK	161	28
CONTRACT NO. 62U12				
ILLINOIS FED. AID PROJECT				

MODEL: Default
FILE: I-290-22-23-24-25.dgn
Loomis and Racine (DGN Design) (Preliminary) (Sheet 1 of 4) (Stage 1) (dgn)



NOTES

- SEE CONGRESS PKWY AND VAN BUREN ST MAINTENANCE OF TRAFFIC SHEETS FOR STAGING DETAILS.
- ACCESS TO CTA BLUE LINE HEAD HOUSE TO BE CLOSED DURING CONSTRUCTION. ACCESS FOR BICYCLISTS AND PEDESTRIANS PROVIDED AT THE RACINE AVE CTA BLUE LINE HEAD HOUSE. SEE BICYCLE AND PEDESTRIAN DETOUR SHEETS.

LEGEND

- WORK AREA
- DIRECTION OF TRAFFIC
- TEMPORARY CONCRETE BARRIER
- SIGN ON PORTABLE OR PERMANENT SUPPORT
- ARROW BOARD
- TYPE III BARRICADE
- IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3
- DRUM OR TYPE II BARRICADE AT 100' C-C SPACING IN TANGENTS, AND 50' C-C SPACING IN TAPERS
- EXISTING PAVEMENT MARKING

- TEMPORARY PAVEMENT MARKING - TAPE TYPE IV - LINE 4" (SOLID YELLOW)
- TEMPORARY PAVEMENT MARKING - TAPE TYPE IV - LINE 4" (SOLID WHITE)
- TEMPORARY PAVEMENT MARKING - TAPE TYPE IV - LINE 4" (6' DASH - 18' SKIP WHITE)
- TEMPORARY PAVEMENT MARKING - TAPE TYPE IV - LINE 5" (10' DASH - 30' SKIP WHITE)
- TEMPORARY PAVEMENT MARKING - TAPE TYPE IV - LINE 8" (SOLID WHITE)
- TEMPORARY PAVEMENT MARKING - TAPE TYPE IV - LINE 8" (3' DASH - 9' SKIP WHITE)
- TEMPORARY PAVEMENT MARKING - TAPE TYPE IV - LINE 12" (CHEVRONS AT 30' CENTERS WHITE)

EFK Moen
Civil Engineering Design

USER NAME = skierpiec	DESIGNED - JB	REVISED -
	DRAWN - JB	REVISED -
PLOT SCALE = 100,000' / 1in.	CHECKED - JH	REVISED -
PLOT DATE = 9/30/2025	DATE - 1/31/2024	REVISED -

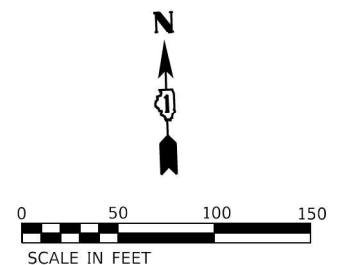
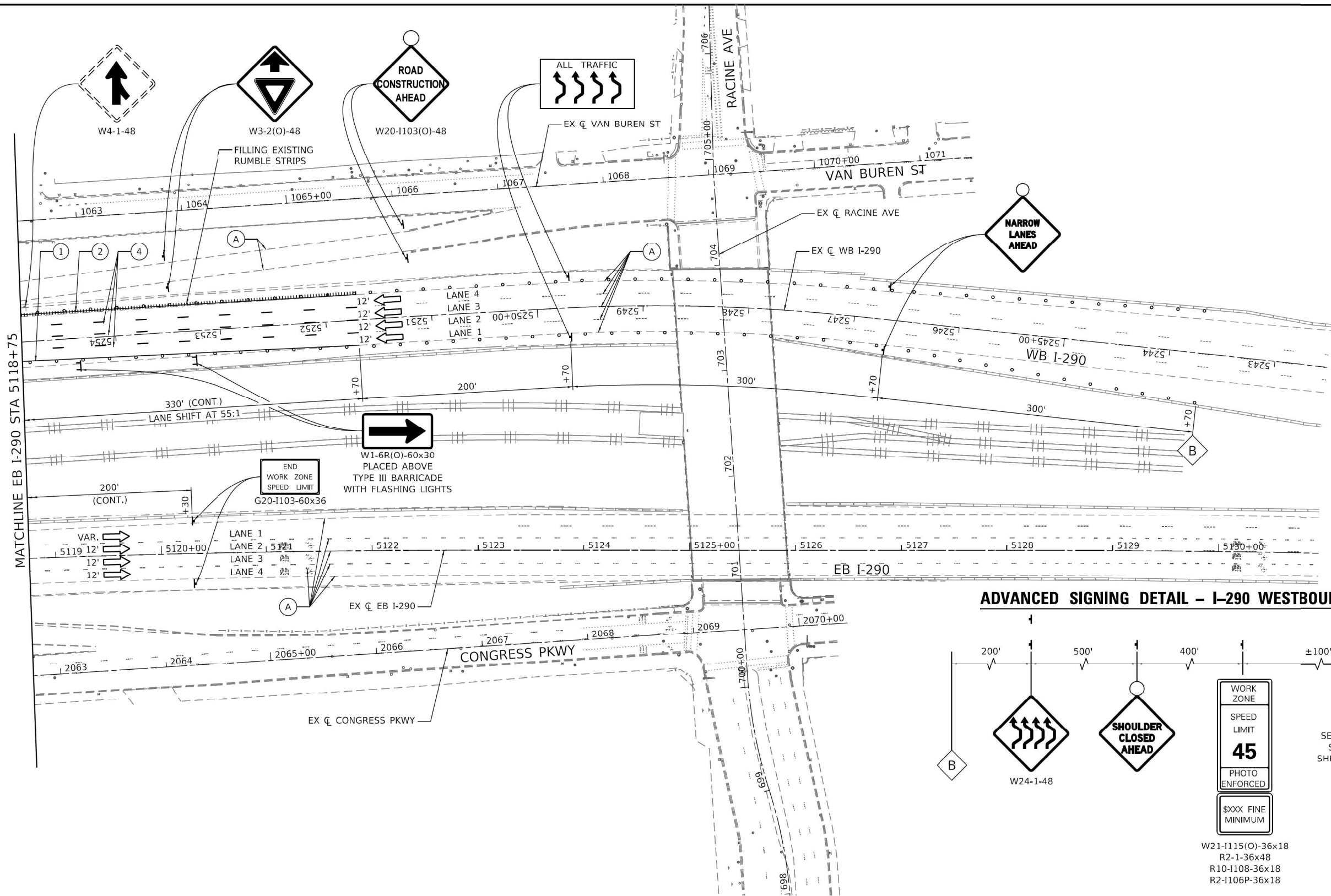
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOOMIS STREET AT I-290 (EISENHOWER EXPRESSWAY)
I-290 MAINTENANCE OF TRAFFIC PLAN - STAGE 1

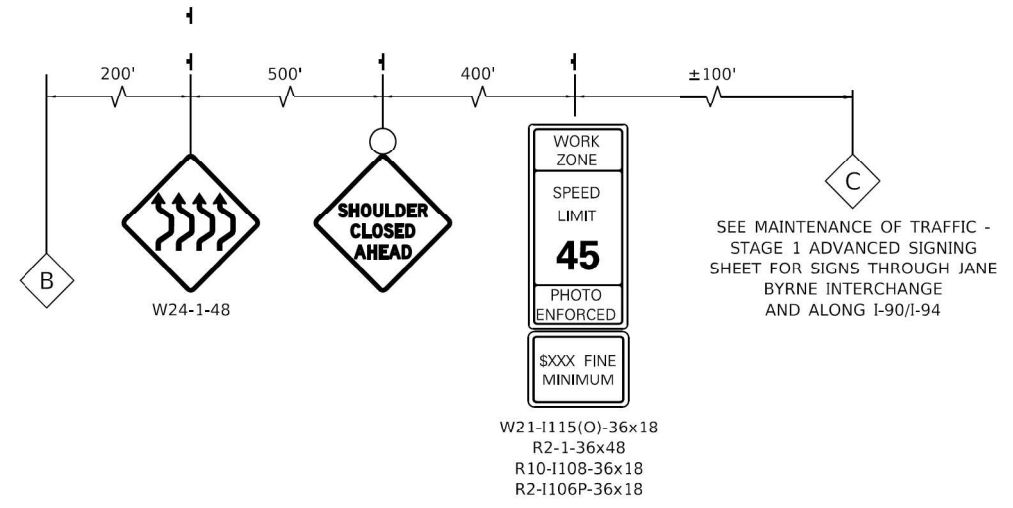
SCALE: SHEET 2 OF 4 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	FAI 290 22 BRIDGE 3	COOK	161	29
CONTRACT NO. 62U12				
ILLINOIS FED. AID PROJECT				

MODEL Default
FILE I:\M062 2023\349.00 DOT D1 FIB 205-005 Loomis and Racine\DCN\Design\Traffic\Plat\PlatSheet\0162U12-shit-staging-stage1.dgn



ADVANCED SIGNING DETAIL - I-290 WESTBOUND



LEGEND

- WORK AREA
- DIRECTION OF TRAFFIC
- TEMPORARY CONCRETE BARRIER
- SIGN ON PORTABLE OR PERMANENT SUPPORT
- ARROW BOARD
- TYPE III BARRICADE
- IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3
- DRUM OR TYPE II BARRICADE
- AT 100' C-C SPACING IN TANGENTS, AND 50' C-C SPACING IN TAPERS
- EXISTING PAVEMENT MARKING

- TEMPORARY PAVEMENT MARKING - TAPE TYPE IV - LINE 4" (SOLID YELLOW)
- TEMPORARY PAVEMENT MARKING - TAPE TYPE IV - LINE 4" (SOLID WHITE)
- TEMPORARY PAVEMENT MARKING - TAPE TYPE IV - LINE 4" (6" DASH - 18' SKIP WHITE)
- TEMPORARY PAVEMENT MARKING - TAPE TYPE IV - LINE 5" (10" DASH - 30' SKIP WHITE)
- TEMPORARY PAVEMENT MARKING - TAPE TYPE IV - LINE 8" (SOLID WHITE)
- TEMPORARY PAVEMENT MARKING - TAPE TYPE IV - LINE 8" (3" DASH - 9' SKIP WHITE)
- TEMPORARY PAVEMENT MARKING - TAPE TYPE IV - LINE 12" (CHEVRONS AT 30' CENTERS WHITE)

EFK Moen
Civil Engineering Design

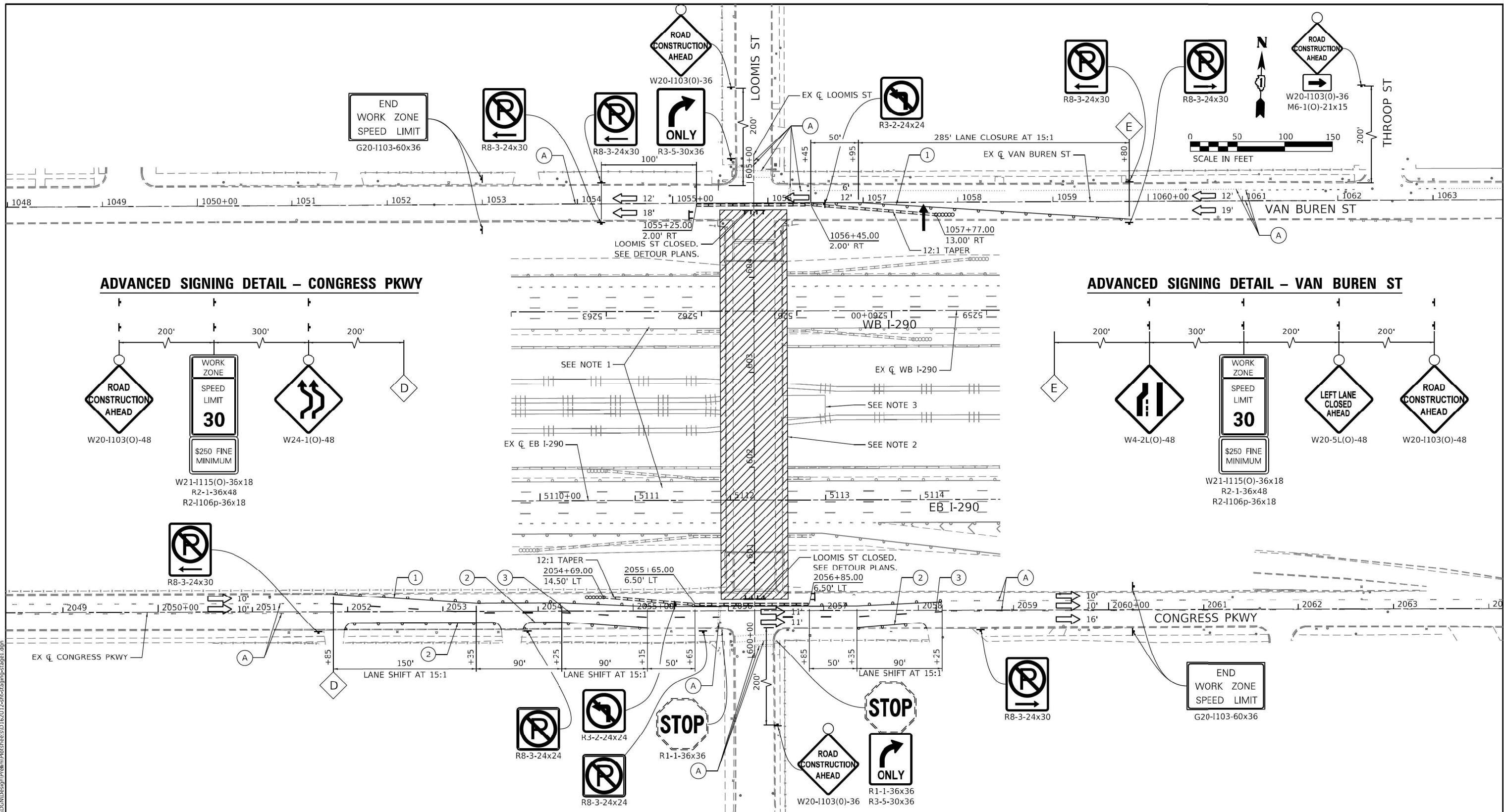
USER NAME = skierplec	DESIGNED - JB	REVISED -
	DRAWN - JB	REVISED -
PLOT SCALE = 100,000' / in.	CHECKED - JH	REVISED -
PLOT DATE = 9/30/2025	DATE - 1/31/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOOMIS STREET AT I-290 (EISENHOWER EXPRESSWAY)
I-290 MAINTENANCE OF TRAFFIC PLAN - STAGE 1

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	FAI 290 22 BRIDGE 3	COOK	161	30
CONTRACT NO. 62U12				
ILLINOIS FED. AID PROJECT				

SCALE: SHEET 3 OF 4 SHEETS STA. TO STA.



NOTES

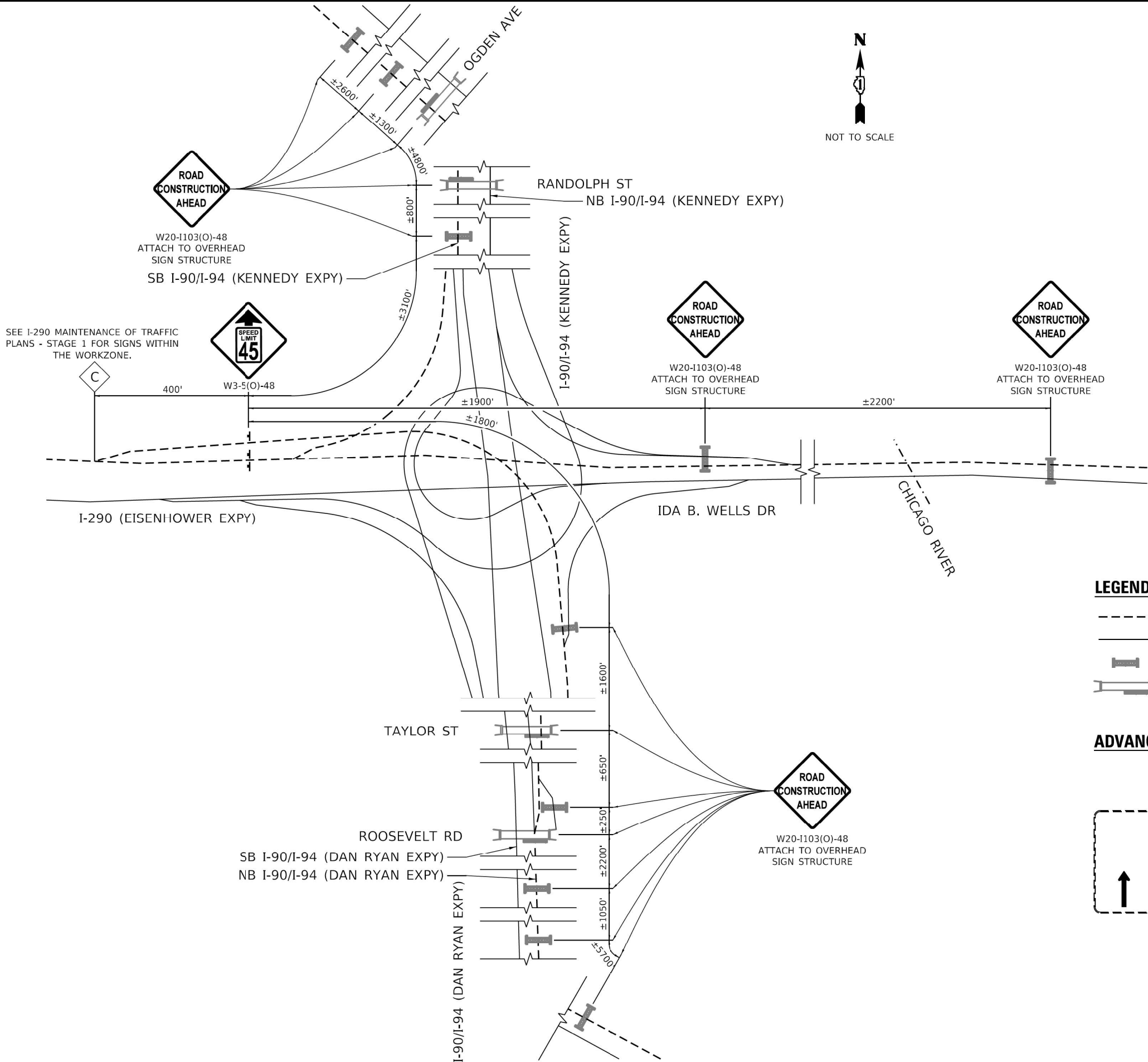
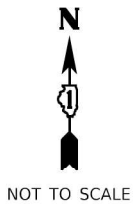
- SEE I-290 MAINTENANCE OF TRAFFIC SHEETS FOR STAGING DETAILS ALONG I-290.
- LOOMIS ST CLOSED TO TRAFFIC DURING STAGE 1. SEE DETOUR PLANS.
- ACCESS TO CTA BLUE LINE HEAD HOUSE TO BE CLOSED DURING CONSTRUCTION. ACCESS FOR BICYCLISTS AND PEDESTRIANS PROVIDED AT THE RACINE AVE CTA BLUE LINE HEAD HOUSE. SEE BICYCLE AND PEDESTRIAN DETOUR SHEETS.

LEGEND

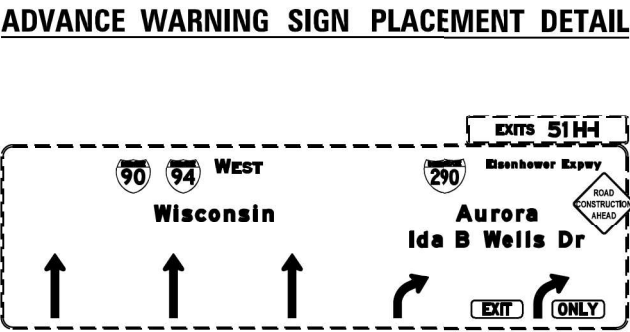
- WORK AREA
- DIRECTION OF TRAFFIC
- TEMPORARY CONCRETE BARRIER
- SIGN ON PORTABLE OR PERMANENT SUPPORT
- ARROW BOARD

- TYPE III BARRICADE
- IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 2
- DRUM OR TYPE II BARRICADE AT 50' C-C SPACING IN TANGENTS, AND 20' C-C SPACING IN TAPERS
- EXISTING PAVEMENT MARKING

- TEMPORARY PAVEMENT MARKING - TAPE TYPE IV - LINE 4" (SOLID YELLOW)
- TEMPORARY PAVEMENT MARKING - TAPE TYPE IV - LINE 4" (SOLID WHITE)
- TEMPORARY PAVEMENT MARKING - TAPE TYPE IV - LINE 4" (6' DASH - 18' SKIP WHITE)
- TEMPORARY PAVEMENT MARKING - TAPE TYPE IV - LINE 5" (10' DASH - 30' SKIP WHITE)
- TEMPORARY PAVEMENT MARKING - TAPE TYPE IV - LINE 8" (SOLID WHITE)
- TEMPORARY PAVEMENT MARKING - TAPE TYPE IV - LINE 8" (3' DASH - 9' SKIP WHITE)



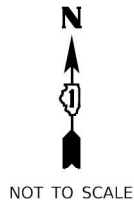
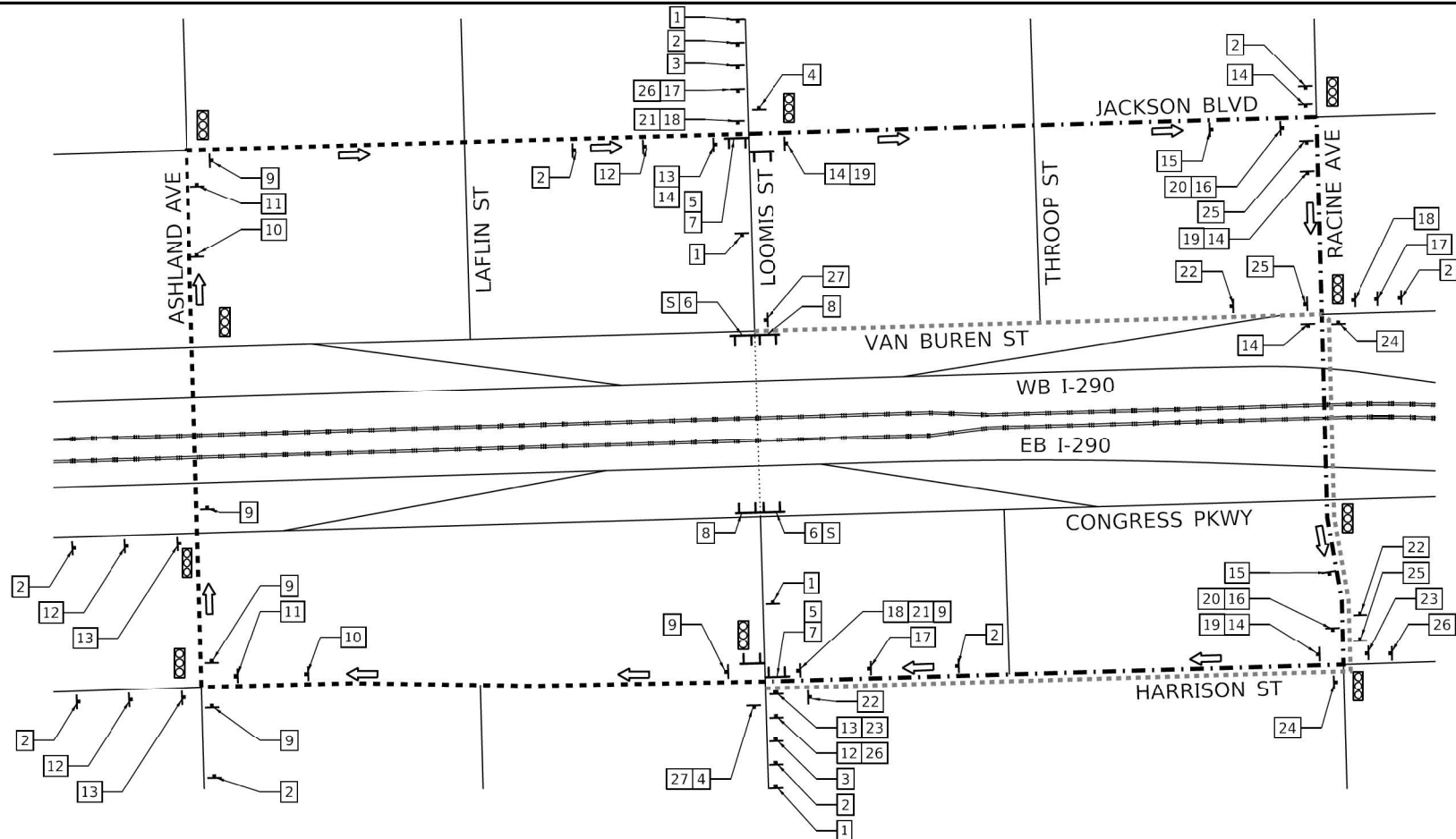
- LEGEND**
- EXPRESSWAY REQUIRING ADVANCE SIGNING
 - OTHER EXPRESSWAYS/RAMPS
 - [Symbol] EXISTING OVERHEAD SIGN STRUCTURE
 - [Symbol] EXISTING BRIDGE MOUNTED SIGN STRUCTURE



MODEL: Default
FILE: I:\miller\2023\349.00 DOT D1 FEB 205-005 Loomis and Racine\DCN\Design\Traffic\Plotsheetes\162012-sh1-staging-stage1-advsigns.dgn

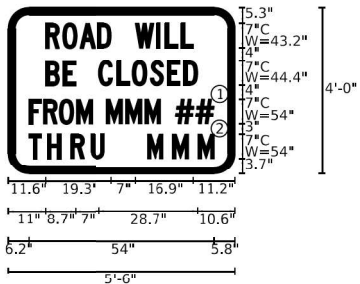
USER NAME = skierplec	DESIGNED - JB	REVISED -
	DRAWN - JB	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED - JH	REVISED -
PLOT DATE = 8/28/2025	DATE - 1/31/2024	REVISED -

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	FAI 290 22 BRIDGE 3	COOK	161	32
CONTRACT NO. 62U12				
ILLINOIS FED. AID PROJECT				



LEGEND

- DIRECTION OF TRAFFIC
- EXISTING TRAFFIC SIGNAL
- TYPE III BARRICADE
- PROPOSED NORTHBOUND VEHICLE DETOUR ROUTE
DETOURED VIA HARRISON ST - ASHLAND AVE - JACKSON BLVD
0.7 MILES
- PROPOSED NORTHBOUND BIKE DETOUR ROUTE
DETOURED VIA HARRISON ST - RACINE AVE - VAN BUREN ST
0.6 MILES
- PROPOSED SOUTHBOUND VEHICLE AND BIKE DETOUR ROUTE
DETOURED JACKSON BLVD - RACINE AVE - HARRISON ST
0.7 MILES
- OTHER ROADS
- CLOSED PORTION OF LOOMIS ST



6.0" RADIUS, 1.3" BORDER, BLACK ON ORANGE;
"ROAD WILL" C 2K; "BE CLOSED" C 2K;
RECTANGLE ORANGE; RECTANGLE ORANGE; "HIGHWAY C" FONT

OVERLAY PANEL ① TO CONTAIN STARTING DATE OF FULL CLOSURE AND
DETOUR IMPLEMENTATION (I.E. "FROM APR 2")
OVERLAY PANEL ② TO CONTAIN ENDING MONTH OF FULL CLOSURE AND
DETOUR (I.E. "THRU JULY"). OMIT THE DATE ON PANEL ②; MONTH ONLY.

ERECT SIGN ASSEMBLY (POST-MOUNTED) WITH PANELS ① AND ② IN PLACE
ON ROAD TO BE CLOSED IN EACH DIRECTION NEAR POINT OF CLOSURE
OR WITHIN SECTION TO BE FULLY CLOSED TWO (2) WEEKS PRIOR TO
START DATE OF FULL CLOSURE. REMOVE ASSEMBLY AFTER CLOSURE.

NOTES

- SEE PEDESTRIAN DETOUR SHEET FOR PEDESTRIAN DETOUR SIGNING.
- DETOUR SIGNAGE SHALL BE CONSIDERED INCLUDED IN THE COST FOR TEMPORARY TRAFFIC CONTROL AND PROTECTION (SPECIAL) EXCEPT AS OTHERWISE NOTED.
- THE CONTRACTOR SHALL NOT OBSTRUCT ANY EXISTING SIGN WITH THE PLACEMENT OF DETOUR SIGNAGE.
- SEE DETAIL TC-21 FOR TYPICAL SIGN SPACING.
- A MINIMUM OF FOURTEEN (14) DAYS IN ADVANCE OF THE BRIDGE CLOSURE, THE CONTRACTOR SHALL PLACE ONE (SIGNS S) AT EACH END OF THE CLOSURE AS SHOWN IN THE PLANS. THIS WORK SHALL BE PAID FOR AS TEMPORARY INFORMATION SIGNING.
- TEMPORARY TRAFFIC SIGNAL TIMING TO BE CONSIDERED ALONG DETOUR ROUTE AT THE FOLLOWING INTERSECTIONS:
 - HARRISON AND RACINE
 - HARRISON AND LOOMIS
 - HARRISON AND ASHLAND
 - JACKSON AND ASHLAND
 - LOOMIS AND JACKSON
 - RACINE AND JACKSON

* MOUNT SIGN ON TYPE III BARRICADE WITH FLASHING LIGHTS.

MODEL Default
FILE I:\M12 232349.00 DOT D1 F1B 205-005 Loomis and Racine\CD\Design\Plan\Plotsheet\162012-sh-tc-signing-detour.dgn

EFK Moen
Civil Engineering Design

USER NAME = skierplec	DESIGNED - JB	REVISED -
	DRAWN - JB	REVISED -
PLOT SCALE = 100,0000' / 1in.	CHECKED - JH	REVISED -
PLOT DATE = 10/20/2025	DATE - 1/31/2024	REVISED -

DESIGNED - JB	REVISED -
DRAWN - JB	REVISED -
CHECKED - JH	REVISED -
DATE - 1/31/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOOMIS STREET AT I-290 (EISENHOWER EXPRESSWAY)
DETOUR MAP - STAGE 1

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	FAI 290 22 BRIDGE 3	COOK	161	33
CONTRACT NO. 62U12				
ILLINOIS FED. AID PROJECT				

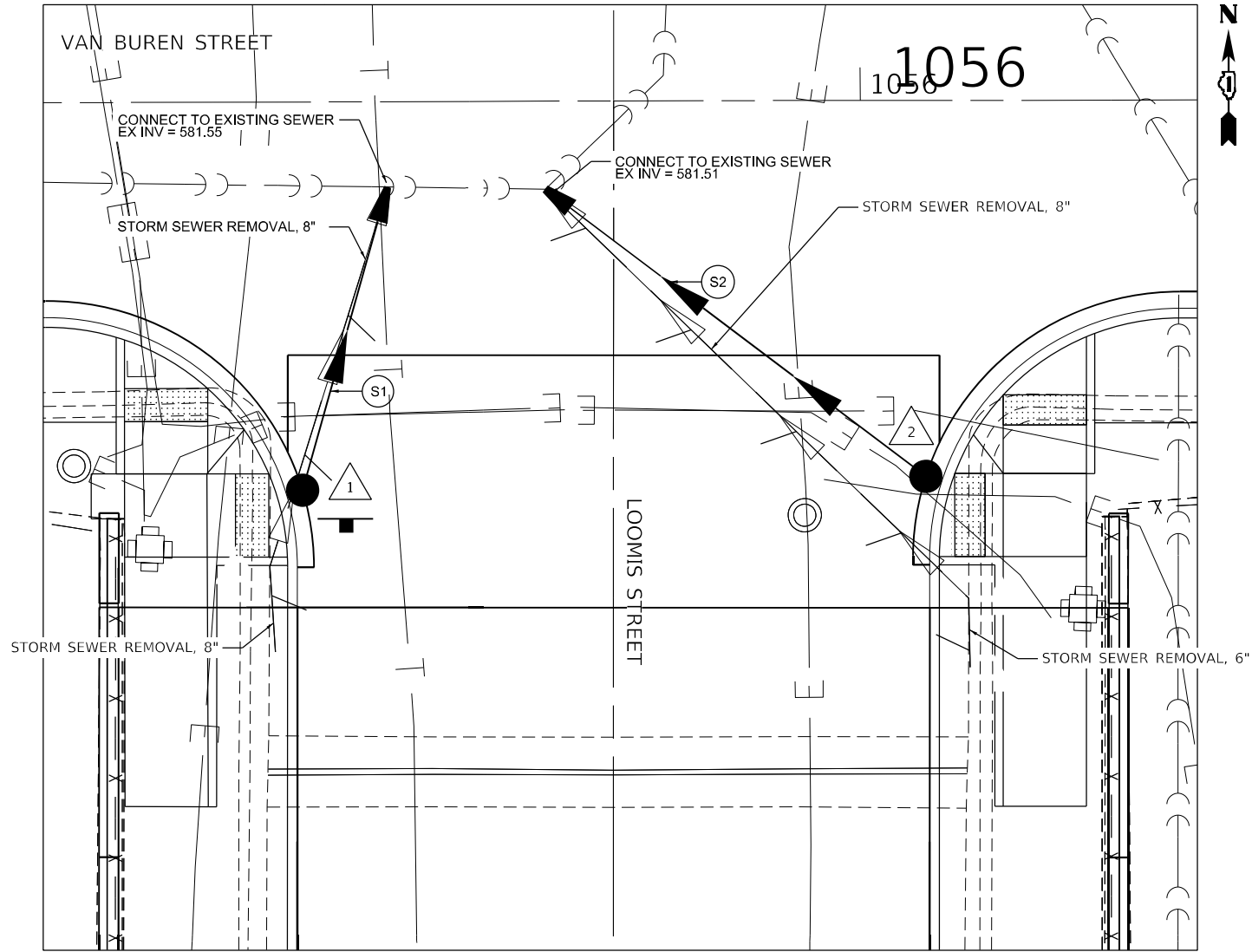


Diagram of a rectangular sign with the following dimensions and text:

- Text:** CTA ENTRANCE, CLOSED, USE RACINE AVE, ENTRANCE
- Overall Dimensions:** 3'-0" (height) x 4'-0" (width)
- Internal Dimensions (from top to bottom):** 5.5", 4"C, 3", 4"C, 3", 4"C, 3", 4"C, 5.5"
- Internal Dimensions (from left to right):** 7.2", 33.6", 7.2"
- Internal Dimensions (from top to bottom):** 15.8", 16.4", 15.8"
- Internal Dimensions (from left to right):** 4.5", 39.0", 4.5"
- Internal Dimensions (from top to bottom):** 13.0", 22.0", 13.0"
- Internal Dimensions (from left to right):** 4'-0"
- Radius:** 1.5" RADIUS
- Border:** 0.625" BORDER
- Color:** BLACK ON ORANGE

1. SEE DETOUR SHEET FOR VEHICLE AND BICYCLE DETOUR SIGNING.

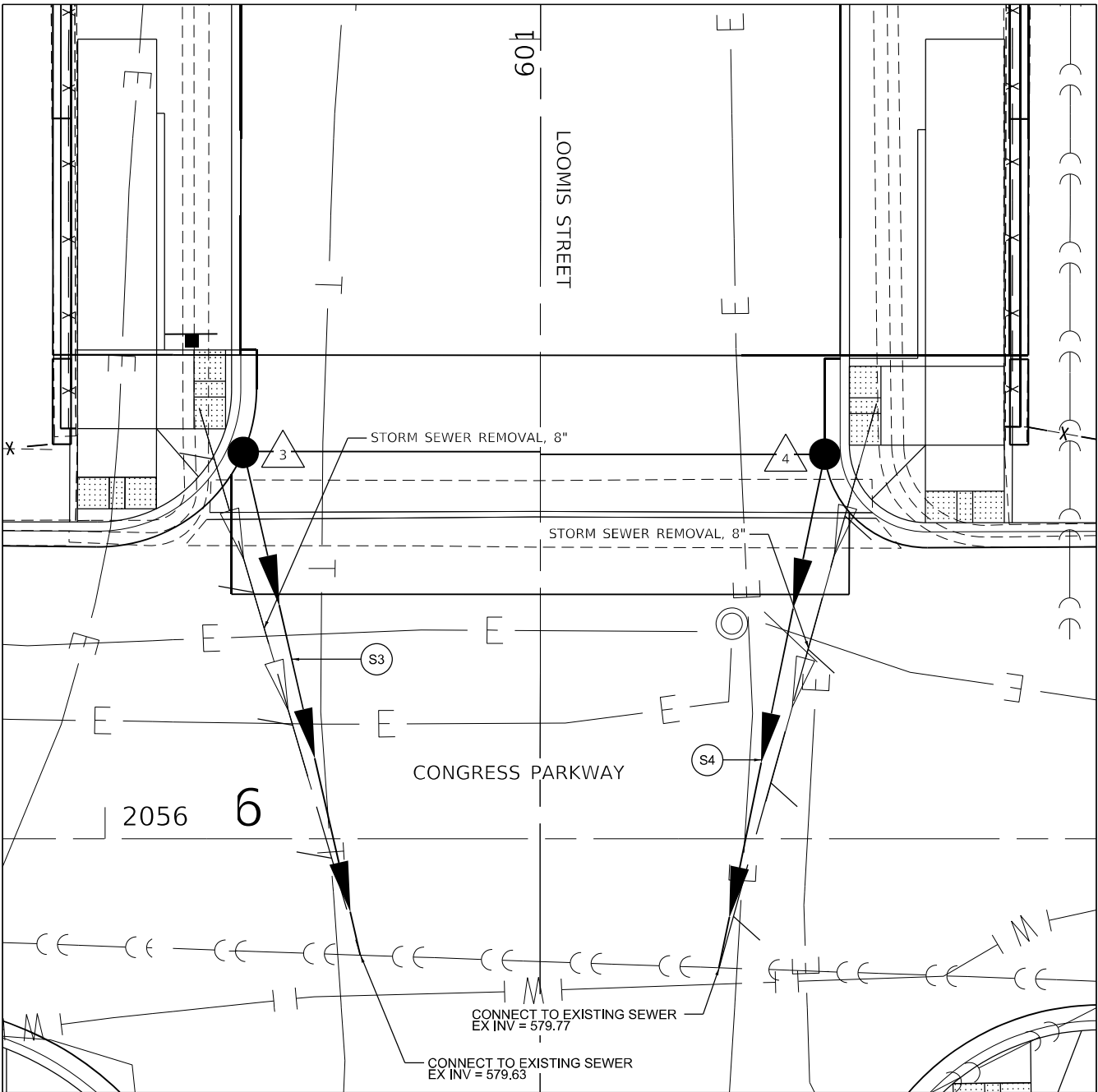
	EXISTING TRAFFIC SIGNAL
	TYPE III BARRICADE
	PROPOSED DETOUR ROUTE
	DETOURED VIA CONGRESS PKWY - RACINE AVE - VAN BUREN ST 0.6 MILES
	CLOSED PORTION OF LOOMIS ST



PIPE TABLE								
PIPE NO.	STRUCTURE		DESCRIPTION	CLASS	TYPE	DIAMETER (IN)	LENGTH (FT)	SLOPE (%)
	FROM	TO						
S1	1	EX	STORM SEWERS (WMQ)	A	2	12	20	1.00%
S2	2	EX	STORM SEWERS (WMQ)	A	2	12	29	1.00%
S3	3	EX	STORM SEWERS (WMQ)	A	2	12	33	1.00%
S4	4	EX	STORM SEWERS (WMQ)	A	2	12	34	1.00%

STRUCTURE TABLE										
STRUCT. NO.	STATION	OFFSET	RIM ELEVATION	DIAMETER (FT)	TYPE	FRAME AND GRATE	INVERT ELEVATIONS			
							NORTH	EAST	SOUTH	WEST
1	604+55.02	18.68' LT	594.09	4	CATCH BASIN, TYPE A	TYPE 24 FRAME AND GRATE - ADA COMPLIANT	590.91			
2	604+55.86	18.76' RT	594.07	4	CATCH BASIN, TYPE A	TYPE 24 FRAME AND GRATE - ADA COMPLIANT	591.00			
3	600+73.84	18.80' LT	594.00	4	CATCH BASIN, TYPE A	TYPE 24 FRAME AND GRATE - ADA COMPLIANT			591.00	
4	600+73.84	18.02' RT	594.02	4	CATCH BASIN, TYPE A	TYPE 24 FRAME AND GRATE - ADA COMPLIANT			591.02	

NOTE:
CONTRACTOR SHALL VERIFY THE EXACT ELEVATION OF THE CONNECTION OF THE PROPOSED STORM SEWER TO THE EXISTING.
THE SLOPE OF THE PROPOSED STORM SEWER PIPE SHALL BE ADJUSTED TO MATCH THE EXISTING INVERT ELEVATION.



LEGEND

STORM SEWER REMOVAL

PROPOSED STRUCTURE

PROPOSED STORM SEWER

Model: Default
File Name: Vol_01_178_IDOT_205009_L290_Loomis & Racine/CADD_Sheets/62U12_Loomis Street/62U12_dwg_Utility.dgn



BLA, Inc.
ITASCA, ILLINOIS

USER NAME = jrodriguez	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 10,0000 * / in.	CHECKED -	REVISED -
PLOT DATE = 11/19/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE PLAN
LOOMIS STREET OVER I-290 (FAI 290)

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	FAI 290 22 BRIDGE 3	COOK	161	35
CONTRACT NO. 62U12				
ILLINOIS FED. AID PROJECT				

Structure No.	1000	Comment:	0									
	Northing	Easting	Rim Elev.	Bott. Elev.	Type	Size	Material	Condition	Lid Type			
	1897842.68	1168952.75	592.85	578.65	SAN MH	36	Brick	Satisfactory	Closed			
	Pipe No. 1	Pipe No. 2	Pipe No. 3	Pipe No. 4	Pipe No. 5	Pipe No. 6	Pipe No. 7	Pipe No. 8	Pipe No. 9	Pipe No. 10		
Inv. Elevation	578.65	578.6										
Material	RCP	RCP										
Pipe Dia. (inch)	60	60										
Direction	W	E										
Connects To	1004											
Condition												
Comment												
Structure No.	1001	Comment:	0									
	Northing	Easting	Rim Elev.	Bott. Elev.	Type	Size	Material	Condition	Lid Type			
	1897851.11	1167181.84	593.08	584.18	SAN MH	48	Precast	Satisfactory	Closed			
	Pipe No. 1	Pipe No. 2	Pipe No. 3	Pipe No. 4	Pipe No. 5	Pipe No. 6	Pipe No. 7	Pipe No. 8	Pipe No. 9	Pipe No. 10		
Inv. Elevation	584.16	584.16										
Material	Steel	Steel	RCP									
Pipe Dia. (inch)	12	12	10									
Direction	W	E	S									
Connects To	Blind	1005	Inlet									
Condition												
Comment												
Structure No.	1002	Comment:	11.30' deep platform, cannot see pipes, Connects to 1003 and 1004									
	Northing	Easting	Rim Elev.	Bott. Elev.	Type	Size	Material	Condition	Lid Type			
	1897862.98	1167172.51	593.38	565.78	SAN MH	48X72	Cast in Place	Satisfactory	Closed			
	Pipe No. 1	Pipe No. 2	Pipe No. 3	Pipe No. 4	Pipe No. 5	Pipe No. 6	Pipe No. 7	Pipe No. 8	Pipe No. 9	Pipe No. 10		
Inv. Elevation												
Material												
Pipe Dia. (inch)												
Direction												
Connects To												
Condition												
Comment												
Structure No.	1003	Comment:	Cannot see pipes, too much steam, Connects to 1002 and 1004									
	Northing	Easting	Rim Elev.	Bott. Elev.	Type	Size	Material	Condition	Lid Type			
	1897863.1	1167182.31	593.22	582.12	SAN MH		Precast	Satisfactory	Closed			
	Pipe No. 1	Pipe No. 2	Pipe No. 3	Pipe No. 4	Pipe No. 5	Pipe No. 6	Pipe No. 7	Pipe No. 8	Pipe No. 9	Pipe No. 10		
Inv. Elevation												
Material												
Pipe Dia. (inch)												
Direction												
Connects To												
Condition												
Comment												
Structure No.	1004	Comment:	cannot determine if pipes ledge/top off									
	Northing	Easting	Rim Elev.	Bott. Elev.	Type	Size	Material	Condition	Lid Type			
	1897841.48	1167173.08	592.98	579.93	SAN MH	36	Precast	Satisfactory	Closed			
	Pipe No. 1	Pipe No. 2	Pipe No. 3	Pipe No. 4	Pipe No. 5	Pipe No. 6	Pipe No. 7	Pipe No. 8	Pipe No. 9	Pipe No. 10		
Inv. Elevation	581.08	579.88	578.68									
Material	RCP	RCP	RCP									
Pipe Dia. (inch)	ledge	54	60									
Direction	NE	S	W									
Connects To	1002	1000										
Condition												
Comment												
Structure No.	1005	Comment:	0									
	Northing	Easting	Rim Elev.	Bott. Elev.	Type	Size	Material	Condition	Lid Type			
	1897857.97	1167269.86	593.6	584.72	SAN MH	36	Other	Satisfactory	Closed			
	Pipe No. 1	Pipe No. 2	Pipe No. 3	Pipe No. 4	Pipe No. 5	Pipe No. 6	Pipe No. 7	Pipe No. 8	Pipe No. 9	Pipe No. 10		
Inv. Elevation	585.18	585.23										
Material	Steel	Steel										
Pipe Dia. (inch)	12	12										
Direction	W	E										
Connects To	1001	1006										
Condition												
Comment												
Structure No.	1006	Comment:	0									
	Northing	Easting	Rim Elev.	Bott. Elev.	Type	Size	Material	Condition	Lid Type			
	1897857.97	1167404.96	593.53	585.18	SAN MH	36	Other	Satisfactory	Closed			
	Pipe No. 1	Pipe No. 2	Pipe No. 3	Pipe No. 4	Pipe No. 5	Pipe No. 6	Pipe No. 7	Pipe No. 8	Pipe No. 9	Pipe No. 10		
Inv. Elevation	585.18	585.23										
Material	Steel	Steel										
Pipe Dia. (inch)	12	12										
Direction	W	E										
Connects To	1005											
Condition												
Comment												
Structure No.	1007	Comment:	Cannot see pipes, 34" per plan									
	Northing	Easting	Rim Elev.	Bott. Elev.	Type	Size	Material	Condition	Lid Type			
	1898288.04	1167453.71	593.27	582.85	SAN MH	30	Other	Satisfactory	Closed			
	Pipe No. 1	Pipe No. 2	Pipe No. 3	Pipe No. 4	Pipe No. 5	Pipe No. 6	Pipe No. 7	Pipe No. 8	Pipe No. 9	Pipe No. 10		
Inv. Elevation	582.85	582.85										
Material												
Pipe Dia. (inch)	54	54										
Direction	W	E										
Connects To	1009											
Condition												
Comment												
Structure No.	1008	Comment:	Pipes not visible, different ledge measure downs									
	Northing	Easting	Rim Elev.	Bott. Elev.	Type	Size	Material	Condition	Lid Type			
	1898268.02	1167167.91	593.65	581.30	SAN MH	24	Brick	Satisfactory	Closed			
	Pipe No. 1	Pipe No. 2	Pipe No. 3	Pipe No. 4	Pipe No. 5	Pipe No. 6	Pipe No. 7	Pipe No. 8	Pipe No. 9	Pipe No. 10		
Inv. Elevation	581.45	581.85	581.3									
Material												
Pipe Dia. (inch)	ledge	ledge	ledge									
Direction	S	N	W									
Connects To												
Condition												
Comment												
Structure No.	1009	Comment:	12.20' Deep platform, cannot see pipes, connects to 1008 and 1011									
	Northing	Easting	Rim Elev.	Bott. Elev.	Type	Size	Material	Condition	Lid Type			
	1898267.65	1167161.08	593.75	568.95	SAN MH	48X72	Brick	Satisfactory	Closed			
	Pipe No. 1	Pipe No. 2	Pipe No. 3	Pipe No. 4	Pipe No. 5	Pipe No. 6	Pipe No. 7	Pipe No. 8	Pipe No. 9	Pipe No. 10		
Inv. Elevation												
Material												
Pipe Dia. (inch)												
Direction												
Connects To												
Condition												
Comment												

[illegible]

DESIGNED	-	MM
DRAWN	-	KM
CHECKED	-	TGB
DATE	-	3/24/2024

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

MANHOLE DETAILS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2140 / 3867		COOK	161	36
		CONTRACT NO. 62U12 / 62U13		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

SHEET	OF	SHEETS	STA.	TO STA.
-------	----	--------	------	---------

STATE OF ILLINOIS)
COUNTY OF COOK) S.S.

UTILITY(IES) LOCATIONS WERE COLLECTED AND DEPCITED AS SHOWN
HEREON BY ASE IN ACCORDANCE WITH SUE INDUSTRY STANDARDS
CI/ASCE 38-02 FOR QUALITY LEVEL B (QLB) AND QUALITY LEVEL C (QLC).
ALL OTHER INFORMATION SHOWN HAS BEEN PROVIDED BY OTHERS.

FIELD WORK WAS PERFORMED BETWEEN THE 31ST DAY OF JANUARY
AND THE 28TH DAY OF FEBRUARY, 2024.

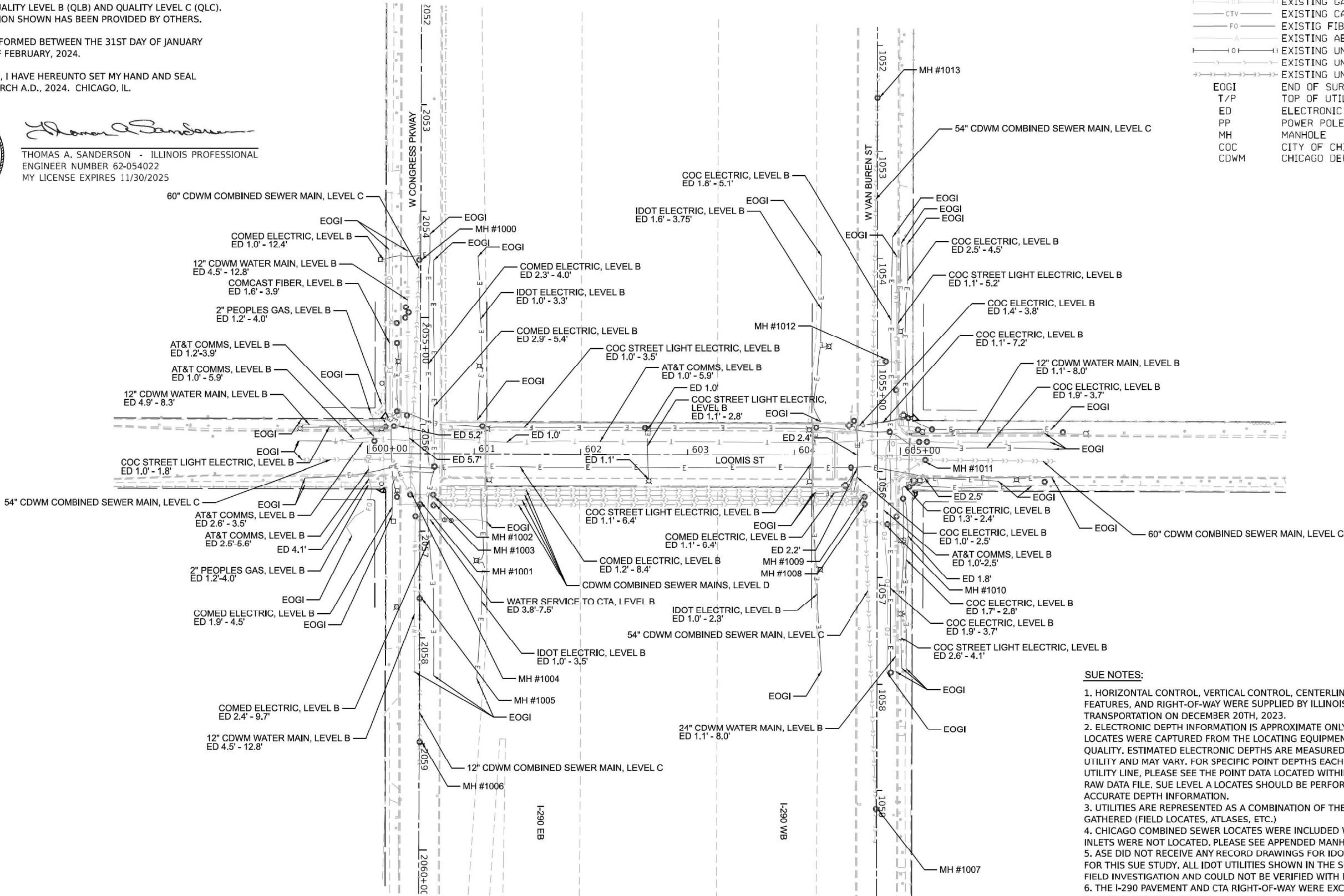
IN WITNESS WHEREOF, I HAVE HEREUNTO SET MY HAND AND SEAL
THIS 22ND DAY OF MARCH A.D., 2024. CHICAGO, IL.



Thomas A. Sanderson
THOMAS A. SANDERSON - ILLINOIS PROFESSIONAL
ENGINEER NUMBER 62-054022
MY LICENSE EXPIRES 11/30/2025

UTILITY LINE LEGEND

T	EXISTING TELEPHONE	
W	EXISTING WATER	
E	EXISTING ELECTRIC	
G	EXISTING GAS	
CTV	EXISTING CABLE TV	
FO	EXISTING FIBER OPTIC	
A	EXISTING AERIAL LINE	
UO	EXISTING UNDERGROUND OIL PIPE	
US	EXISTING UNDERGROUND SANITARY	
UCS	EXISTING UNDERGROUND COMBINED SEWER	
EOGI	END OF SURFACE GEOPHYSICAL INFORMATION	
T/P	TOP OF UTILITY (N/A)	
ED	ELECTRONIC DEPTH (IN FEET)	
PP	POWER POLE	
MH	MANHOLE	
COC	CITY OF CHICAGO	
CDWM	CHICAGO DEPARTMENT OF WATER MANAGEMENT	



SUE NOTES:

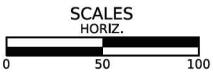
1. HORIZONTAL CONTROL, VERTICAL CONTROL, CENTERLINE ALIGNMENT, TOPOGRAPHIC FEATURES, AND RIGHT-OF-WAY WERE SUPPLIED BY ILLINOIS DEPARTMENT OF TRANSPORTATION ON DECEMBER 20TH, 2023.
2. ELECTRONIC DEPTH INFORMATION IS APPROXIMATE ONLY. DEPTHS ON THE LEVEL B LOCATES WERE CAPTURED FROM THE LOCATING EQUIPMENT AND ARE NOT LEVEL A QUALITY. ESTIMATED ELECTRONIC DEPTHS ARE MEASURED TO THE CENTER OF THE UTILITY AND MAY VARY. FOR SPECIFIC POINT DEPTHS EACH ESTIMATED ALONG A UTILITY LINE, PLEASE SEE THE POINT DATA LOCATED WITHIN THE CADD FILE OR RAW DATA FILE. SUE LEVEL A LOCATES SHOULD BE PERFORMED TO OBTAIN ACCURATE DEPTH INFORMATION.
3. UTILITIES ARE REPRESENTED AS A COMBINATION OF THE MOST ACCURATE INFORMATION GATHERED (FIELD LOCATES, ATLASES, ETC.)
4. CHICAGO COMBINED SEWER LOCATES WERE INCLUDED WITHIN THE SUE LIMITS, STORM INLETS WERE NOT LOCATED. PLEASE SEE APPENDED MANHOLE DETAIL TABLE.
5. ASE DID NOT RECEIVE ANY RECORD DRAWINGS FOR IDOT UTILITIES (ELECTRIC AND FIBER) FOR THIS SUE STUDY. ALL IDOT UTILITIES SHOWN IN THE SUE STUDY WERE LOCATED THROUGH FIELD INVESTIGATION AND COULD NOT BE VERIFIED WITH RECORD INFORMATION.
6. THE I-290 PAVEMENT AND CTA RIGHT-OF-WAY WERE EXCLUDED FROM THE SUE LIMITS. UTILITY BRIDGE ATTACHMENTS WERE SURVEYED WHEN THEY WERE LOCATABLE FROM THE BRIDGE SURFACE.
7. CHICAGO AERIAL STREET LIGHTING IS DRAWN IN AS LEVEL D INFORMATION.
8. ANY CHICAGO EMERGENCY AND FIRE ALARM CABLE WITHIN SUE LIMITS IS ASSUMED TO RUN IN THE EXISTING COC ELECTRIC DUCT PACKAGES.

MODEL: SHOELEMMES
FILE NAME: SUE123



DESIGNED -	MM
DRAWN -	KM
CHECKED -	TGB
DATE -	3/24/2024

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



SUE STUDY
LOOMIS BOULEVARD AT CONGRESS PARKWAY
AND VAN BUREN STREET

SHEET OF SHEETS STA. TO STA.

M.U.N. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2140	FAI 290 22 BRIDGE 3	COOK	161	37
CONTRACT NO. 62U12				
ILLINOIS FED. AID PROJECT				

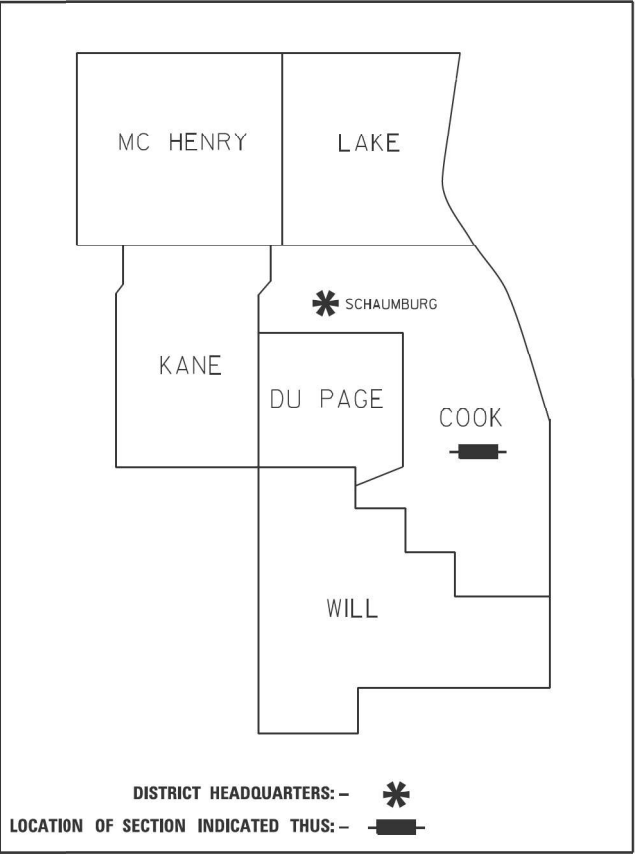
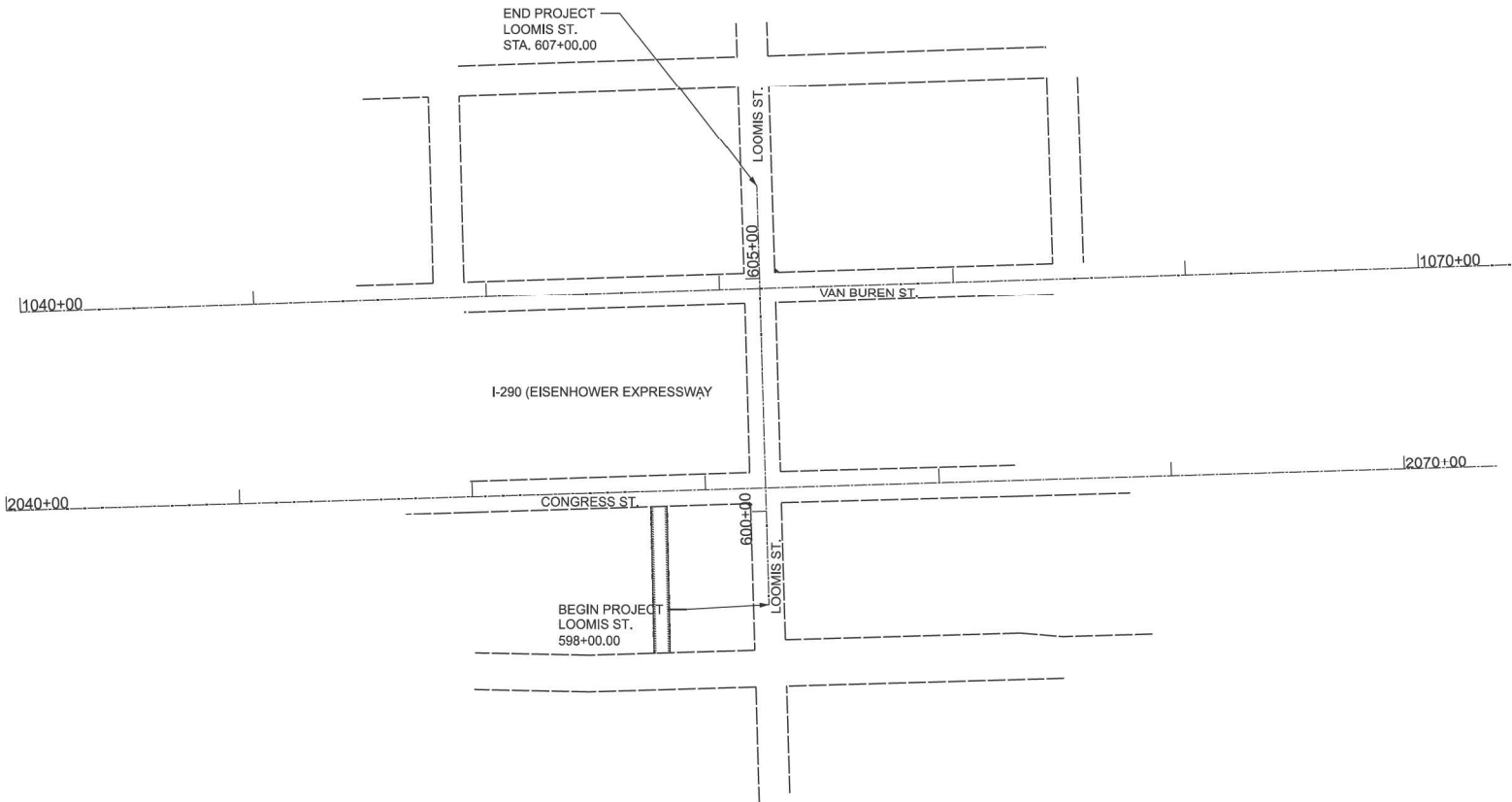
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PLAT OF HIGHWAYS

I-290 (EISENHOWER EXPRESSWAY)
SECTION
COOK COUNTY
LIMITS AT LOOMIS STREET BRIDGE
R-90-003-23

PARCEL NUMBER	OWNER	SHEET NUMBER	PROPERTY ACQUIRED BY
0032300ITE	RUSH-PRESBYTERIAN-ST. LUKE'S MEDICAL CENTER	2 & 4	
00323004TE	ACADEMY SQUARE PRESERVATION LIMITED PARTNERSHIP	3 & 5	

NOTE: PARCELS 00323002 AND 00323003 HAVE BEEN DELETED FROM THIS PROJECT.



PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

LOCATION MAP

GROSS LENGTH = 900.00 FT. = 0.170 MILE

RT & A

Twig

Ruettiger, Tonelli & Associates, Inc.
& TwiG Technologies

Surveyors • Engineers • Planners • GIS Consultants

137 Capen Drive • Skokie, Illinois 60076
PH: (847) 544-8800 • info@rtandtwig.com

R.T. & A. Dwg. No.: 2024-0211

TOTAL SHEETS	SHEET NO.
161	38

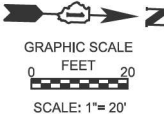
IDOT USE ONLY

APPROVED

By miguel.corsano at 7:22 am, May 20, 2025

PART OF THE NW.1/4 OF SECTION 17, TWP.39N., R.14E. OF THE 3RD. P.M., IN COOK COUNTY, ILLINOIS.

PROJECT COORDINATES							
ILLINOIS STATE PLANE, EAST ZONE, NAD83 (2011)							
15	600+74.66	27.43	1897875.595	1167161.140			
904	600+17.07	33.21	1897818.192	1167168.606			
906	600+16.92	-32.79	1897816.118	1167102.638			
931	600+11.92	-32.79	1897811.121	1167102.784			
932	600+16.91	-38.79	1897815.930	1167096.641			
9004	600+49.30	0.00	1897849.441	1167134.465			
9025	600+82.92	-32.73	1897882.092	1167100.768			
9026	600+83.07	33.27	1897884.165	1167166.736			



LEGEND



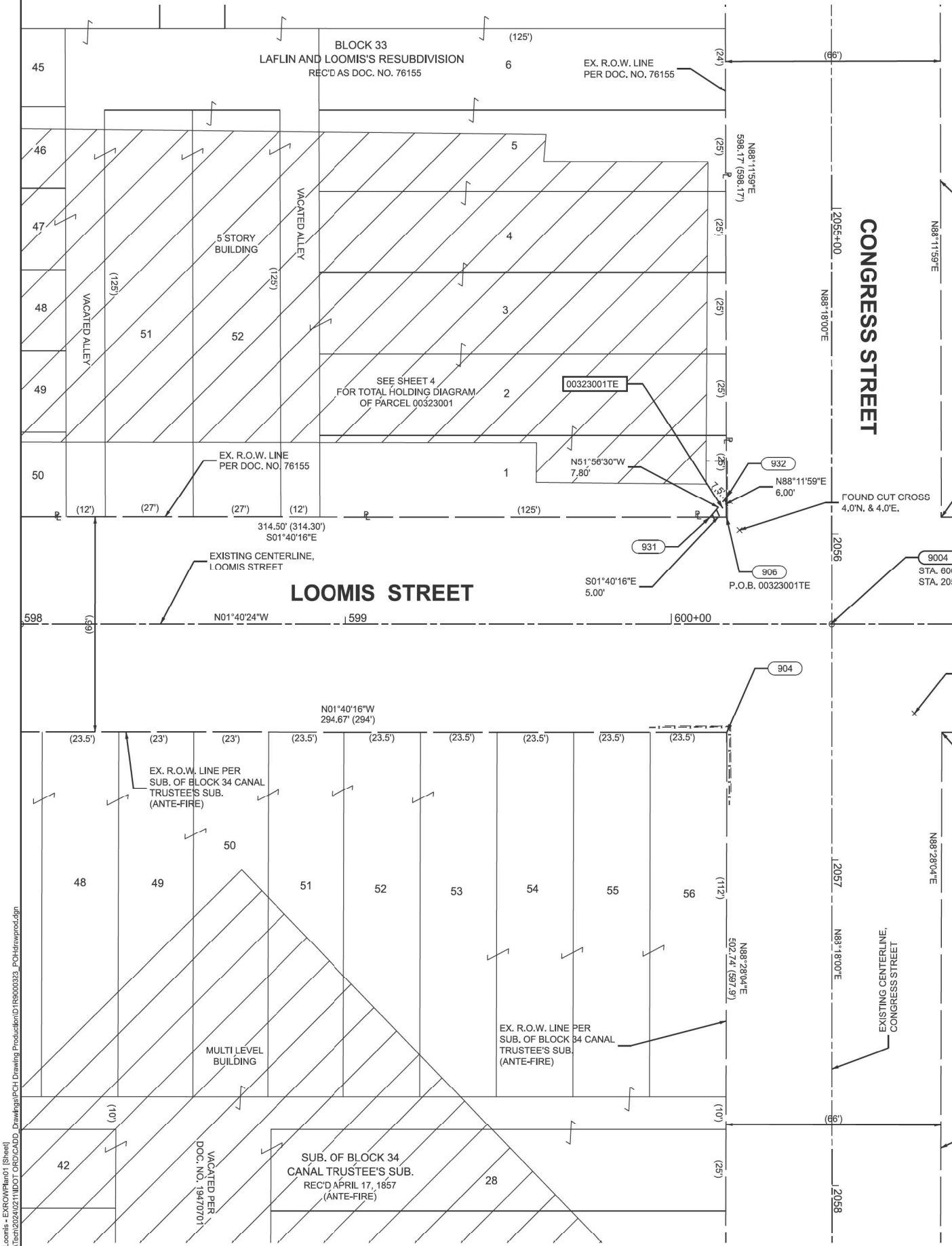
SECTION CORNER



QUARTER SECTION CORNER

- SECTION / QUARTER SECTION LINE
- PLATTED LOT LINES
- PROPERTY (DEED) LINE
- APPARENT PROPERTY LINE
- EXISTING CENTERLINE
- PROPOSED CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- EXISTING EASEMENT
- PROPOSED EASEMENT
- EXISTING ACCESS CONTROL LINE
- PROPOSED ACCESS CONTROL LINE
- MEASURED DIMENSION
- COMPUTED DIMENSION
- RECORDED DIMENSION
- EXISTING BUILDING

- IRON PIPE OR ROD FOUND
- CUT CROSS FOUND OR SET
- PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 667101-02 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET
- "MAG" NAIL SET
- 3/8" REBAR SET



CONGRESS STREET

I-290 (EISENHOWER EXPRESSWAY)

MATCHLINE STA.

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT ACRES	AREA SQUARE FEET	PARCEL INDEX NUMBER
0032300ITE	4.275	0.00		4.275	0.00	15	17-17-123-020 17-17-123-021 17-17-123-022 17-17-123-044 17-17-123-045 17-17-123-046

- SURVEY NOTES:
- ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.
 - BEARING, DISTANCES, AND COORDINATES SHOWN HEREON REFERENCE THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID".
 - ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND". TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES SHOWN BY THE COMBINATION FACTOR OF 0.9999840801.
 - AREAS SHOWN ON THIS PLAT ARE "GROUND".
 - FIELD SURVEY COMPLETED ON 03/06/2024.

TOTAL SHEETS	SHEET NO.
161	39

STATE OF ILLINOIS)
COUNTY OF WILL)

THIS IS TO CERTIFY THAT I, KENNETH J. PESAVENTO, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, (WE, RUETTIGER, TONELLI & ASSOCIATES, INC. AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 134-001251), HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 17, TOWNSHIP 39 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 SHOREWOOD, ILLINOIS THIS 15TH DAY OF MAY, 2025 A.D.

Kenneth J. Pesavento
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 3425
LICENSE EXPIRATION DATE: 11-30-2026

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



IDOT USE ONLY

APPROVED
By miguel.coreano at 7:23 am, May 20, 2025

RT & TWiG Ruettiger, Tonelli & Associates, Inc. & TWiG Technologies
Surveyors • Engineers • Planners • GIS Consultants
121 Capital Drive • Shorewood, Illinois 60484
P.O. Box 1440 • Website: www.rta-twig.com

RTA JOB NO. 2024-0211

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
I-290 (EISENHOWER EXPRESSWAY)

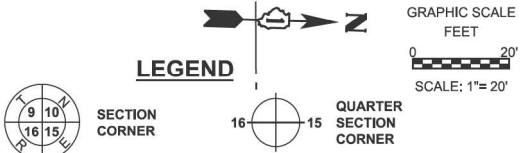
LIMITS: AT LOOMIS ST. BRIDGE COUNTY: COOK
SECTION: TO STA. 604+00.00 JOB NO.: R-90-003-23
STA. 598+00.00 TO STA. 604+00.00
SCALE: 1" = 20' SHEET 2 OF 5 SHEETS

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

PART OF THE NW.1/4 OF SECTION 17, TWP.39N., R.14E. OF THE 3RD. P.M., IN COOK COUNTY, ILLINOIS.

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT ACRES	AREA SQUARE FEET	PARCEL INDEX NUMBER
00323004TE	5.462	0.00		5.462	0.001	25	17-17-16-027 17-17-16-010 17-17-16-011 17-17-16-012 17-17-16-024 17-17-16-041 17-17-16-047 17-17-16-048 17-17-16-049

- SURVEY NOTES:
- ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.
 - BEARING, DISTANCES, AND COORDINATES SHOWN HEREON REFERENCE THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID".
 - ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND". TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES SHOWN BY THE COMBINATION FACTOR OF 0.9999840801.
 - AREAS SHOWN ON THIS PLAT ARE "GROUND".
 - FIELD SURVEY COMPLETED ON 03/06/2024.

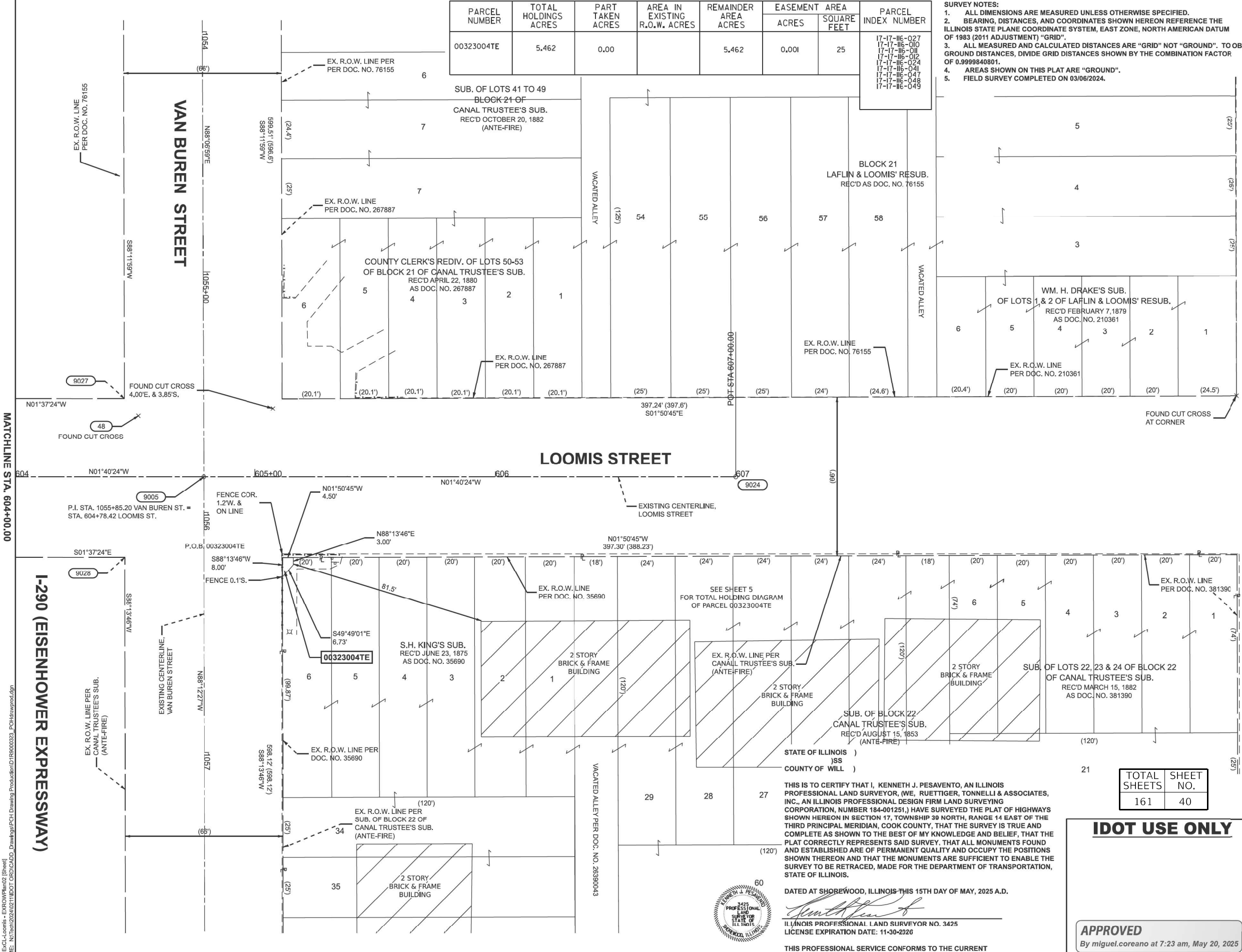


- SECTION / QUARTER SECTION LINE
PLATTED LOT LINES
PROPERTY (DEED) LINE
APPL
APPARENT PROPERTY LINE
EXISTING CENTERLINE
PROPOSED CENTERLINE
EXISTING RIGHT OF WAY LINE
PROPOSED RIGHT OF WAY LINE
EXISTING EASEMENT
PROPOSED EASEMENT
EXISTING ACCESS CONTROL LINE
PROPOSED ACCESS CONTROL LINE
MEASURED DIMENSION
COMPUTED DIMENSION
RECORDED DIMENSION

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

PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 667101-02 (TO BE SET BY OTHERS)
RIGHT OF WAY STAKING PROPOSED TO BE SET

PROJECT COORDINATES				
ILLINOIS STATE PLANE, EAST ZONE, NAD83 (2011)				
PT#	STATION	OFFSET	NORTH	EAST
48	604+51.14	-25.29	1898250.372	1167097.448
913	605+11.33	-32.35	1898310.326	1167088.632
921	605+11.47	33.65	1898312.399	1167154.600
938	605+15.97	33.63	1898316.897	1167154.455
939	605+15.98	36.63	1898316.990	1167157.453
940	605+11.49	41.65	1898312.646	1167162.596
9005	604+78.42	0.00	1898278.372	1167121.934
9024	607+00.00	0.00	1898499.863	1167115.463
9027	604+45.33	-37.41	1898244.352	1167090.502
9028	604+45.47	33.59	1898246.425	1167156.469



STATE OF ILLINOIS)
JSS
COUNTY OF WILL)

THIS IS TO CERTIFY THAT I, KENNETH J. PESAVENTO, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, (WE, RUETTIGER, TONNELLI & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-001251,) HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 17, TOWNSHIP 39 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 SHOREWOOD, ILLINOIS THIS 15TH DAY OF MAY, 2025 A.D.

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 3425
LICENSE EXPIRATION DATE: 11-30-2926

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

TOTAL SHEETS	SHEET NO.
161	40

IDOT USE ONLY

APPROVED
By miguel.coreano at 7:23 am, May 20, 2025

RT & TWIG
Ruettiger, Tonelli & Associates, Inc. & TWIG Technologies
Surveyors • Engineers • Planners • C.I.S. Consultants
120 Capital Drive • Shorewood, Illinois 60054
Ph: (815) 344-6000 Website: www.ruettiger.com
RTA JOB NO. 2024-0211

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
I-290 (EISENHOWER EXPRESSWAY)

LIMITS: AT LOOMIS ST. BRIDGE COUNTY: COOK
SECTION: TO STA. 610+00.00 JOB NO.: R-90-003-23
SCALE: 1"= 20' SHEET 3 OF 5 SHEETS

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

PART OF THE NW.1/4 OF SECTION 17, TWP.39N., R.14E. OF THE 3RD P.M., IN COOK COUNTY, ILLINOIS.

LEGEND



SECTION CORNER



QUARTER SECTION CORNER

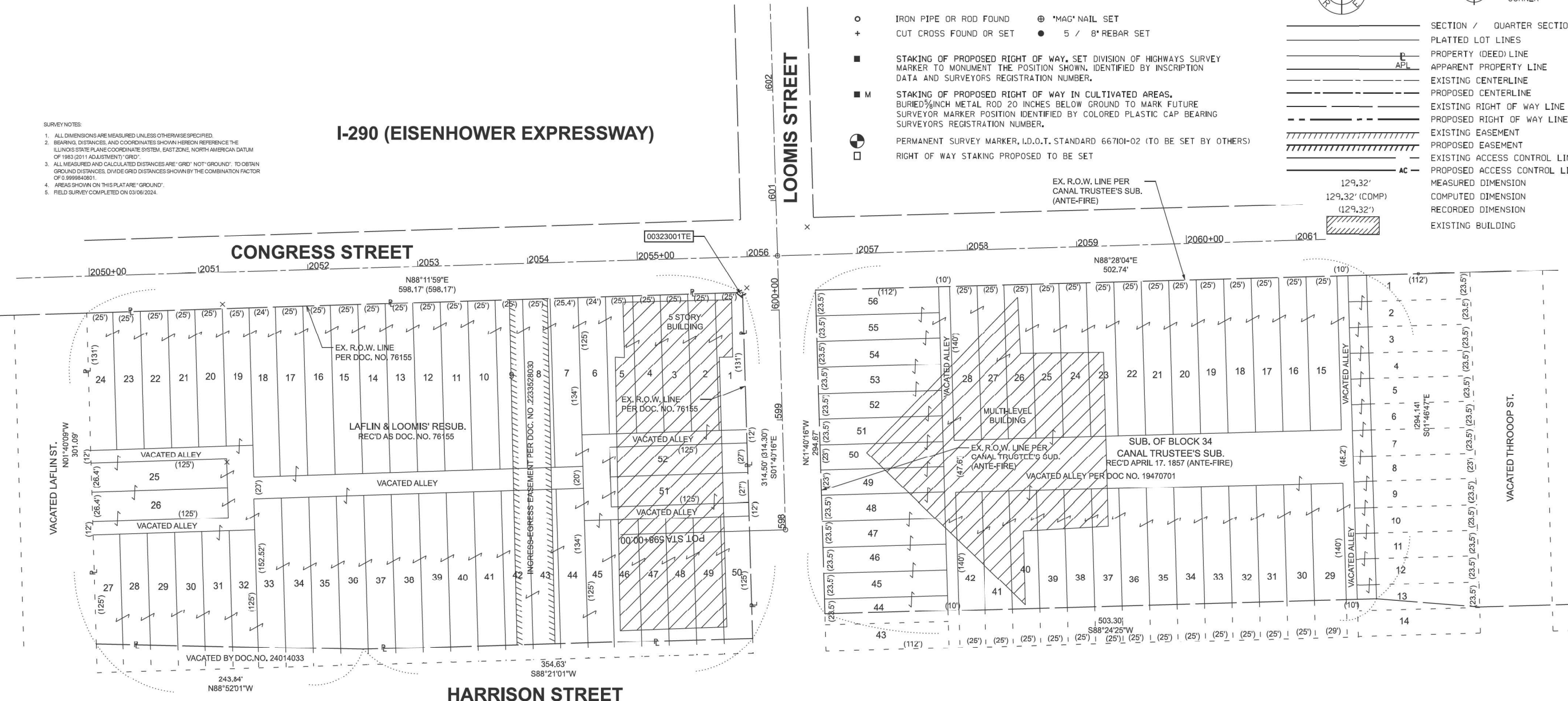


GRAPHIC SCALE
FEET
0 50
SCALE: 1"=50'

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) "GRD".
3. ALL MEASURED AND CALCULATED DISTANCES ARE "GRD" NOT "GROUND". TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES SHOWN BY THE COMBINATION FACTOR OF 0.9999840801.
4. AREAS SHOWN ON THIS PLAT ARE "GROUND".
5. FIELD SURVEY COMPLETED ON 03/06/2024.

I-290 (EISENHOWER EXPRESSWAY)



- IRON PIPE OR ROD FOUND
- ⊕ 'MAG' NAIL SET
- + CUT CROSS FOUND OR SET
- 5 / 8" REBAR SET
- 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 3/8" INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEYOR MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ⊙ PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 667101-02 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET

- SECTION / QUARTER SECTION LINE
- PLATTED LOT LINES
- PROPERTY (DEED) LINE
- APPARENT PROPERTY LINE
- EXISTING CENTERLINE
- PROPOSED CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- EXISTING EASEMENT
- PROPOSED EASEMENT
- EXISTING ACCESS CONTROL LINE
- PROPOSED ACCESS CONTROL LINE
- MEASURED DIMENSION
- COMPUTED DIMENSION
- RECORDED DIMENSION
- EXISTING BUILDING

STATE OF ILLINOIS)
COUNTY OF WILL)

THIS IS TO CERTIFY THAT I, KENNETH J. PESAVENTO, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, (WE, RUETTIGER, TONELLI & ASSOCIATES, AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-001251,) HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 17, TOWNSHIP 39 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 SHOREWOOD, ILLINOIS THIS 15TH DAY OF MAY, 2025 A.D.

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 3425
LICENSE EXPIRATION DATE: 11-30-2026

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



TOTAL SHEETS	SHEET NO.
161	41

R & TWiG
Ruettiger, Tonelli & Associates, Inc.
& TWiG Technologies
Surveyors - Engineers - Planners - G.I.S. Consultants
129 Capital Drive - Shorewood, Illinois 60054
PH: (815) 774-6400, Mobile: (815) 774-6401
R.T. & A. Dwg. No.: 2024-0211

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	AREA SQUARE FEET	PARCEL INDEX NUMBER
0032300ITE	4.275	0.00		4.275	0.000	15	17-17-123-020 17-17-123-021 17-17-123-022 17-17-123-044 17-17-123-045 17-17-123-046

IDOT USE ONLY

APPROVED
By miguel.coreano at 7:23 am, May 20, 2025

PLAT OF HIGHWAYS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
I-290 (EISENHOWER EXPRESSWAY)

LIMITS: AT LOOMS ST. BRIDGE COUNTY: COOK
SECTION: JOB NO.: R-90-003-23
STA. TO STA.
SCALE: 1"=50' SHEET 4 OF 5 SHEETS

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

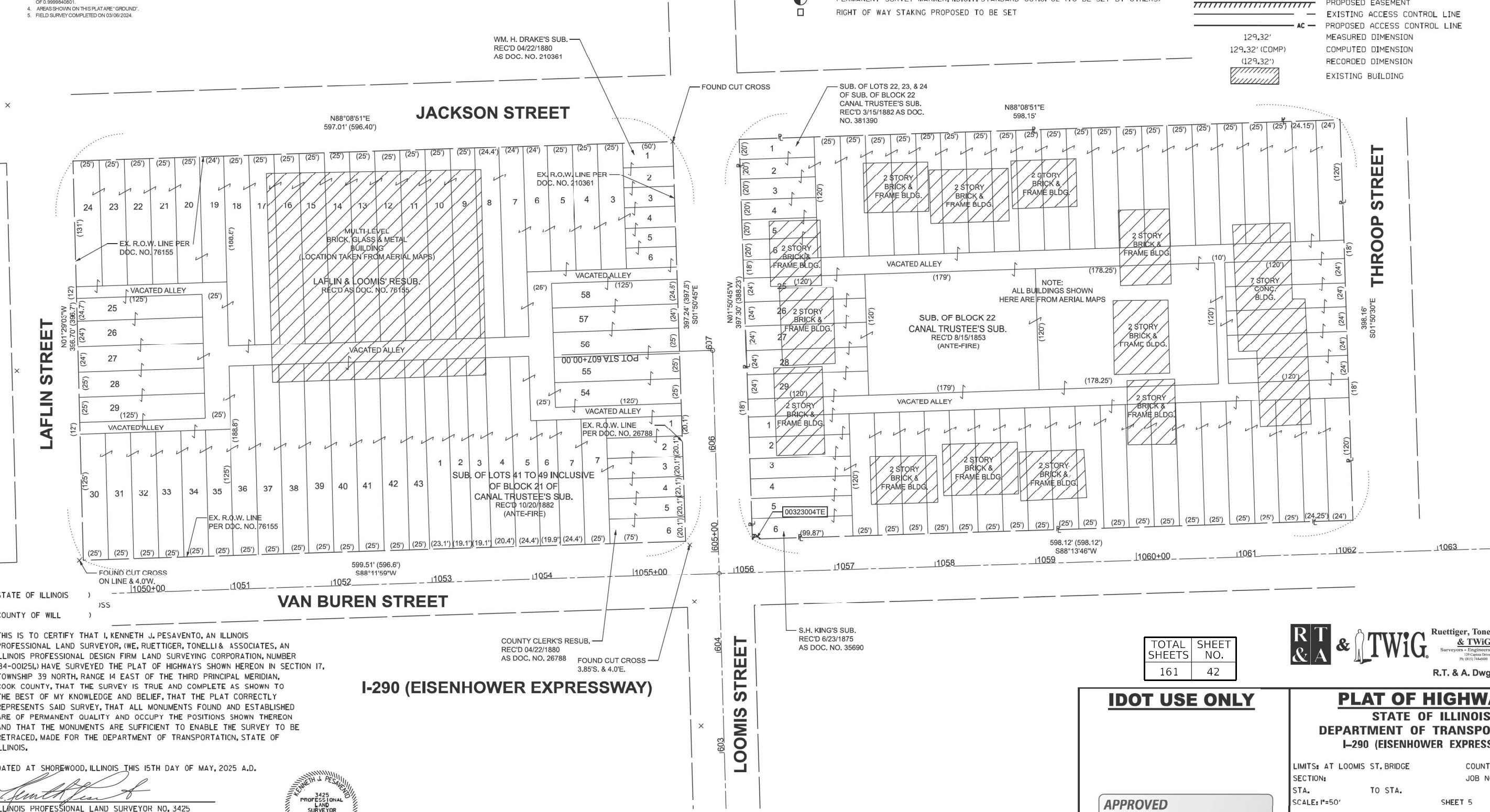
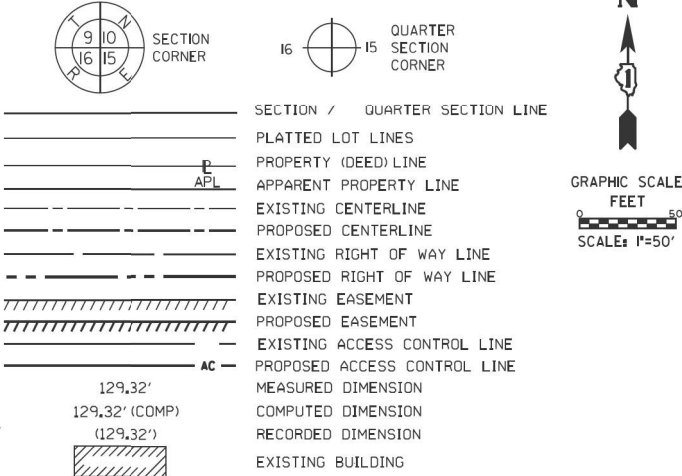
REVISION DATE: / / REVISION MADE BY:

PART OF THE NW.1/4 OF SECTION 17, TWP.39N., R.14E. OF THE 3RD P.M., IN COOK COUNTY, ILLINOIS.

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA		PARCEL INDEX NUMBER
					ACRES	SQUARE FEET	
00323004TE	5.462	0.00		5.462	0.001	25	17-17-16-027 17-17-16-010 17-17-16-011 17-17-16-012 17-17-16-024 17-17-16-041 17-17-16-047 17-17-16-048 17-17-16-049

SURVEY NOTES:
1. ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.
2. BEARING, DISTANCE, 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 0.9999940801.
4. AREAS SHOWN ON THIS PLAT ARE "GROUND".
5. FIELD SURVEY COMPLETED ON 03/06/2024.

LEGEND



THIS IS TO CERTIFY THAT I, KENNETH J. PESAVENTO, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, (WE, RUETTIGER, TONELLI & ASSOCIATES, AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-001251) HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 17, TOWNSHIP 39 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 SHOREWOOD, ILLINOIS THIS 15TH DAY OF MAY, 2025 A.D.

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 3425
LICENSE EXPIRATION DATE: 11-30-2026

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



COUNTY CLERK'S RESUB.
REC'D 04/22/1880
AS DOC. NO. 26788
FOUND CUT CROSS
3.85'S. & 4.0'E.

I-290 (EISENHOWER EXPRESSWAY)

TOTAL SHEETS	SHEET NO.
161	42

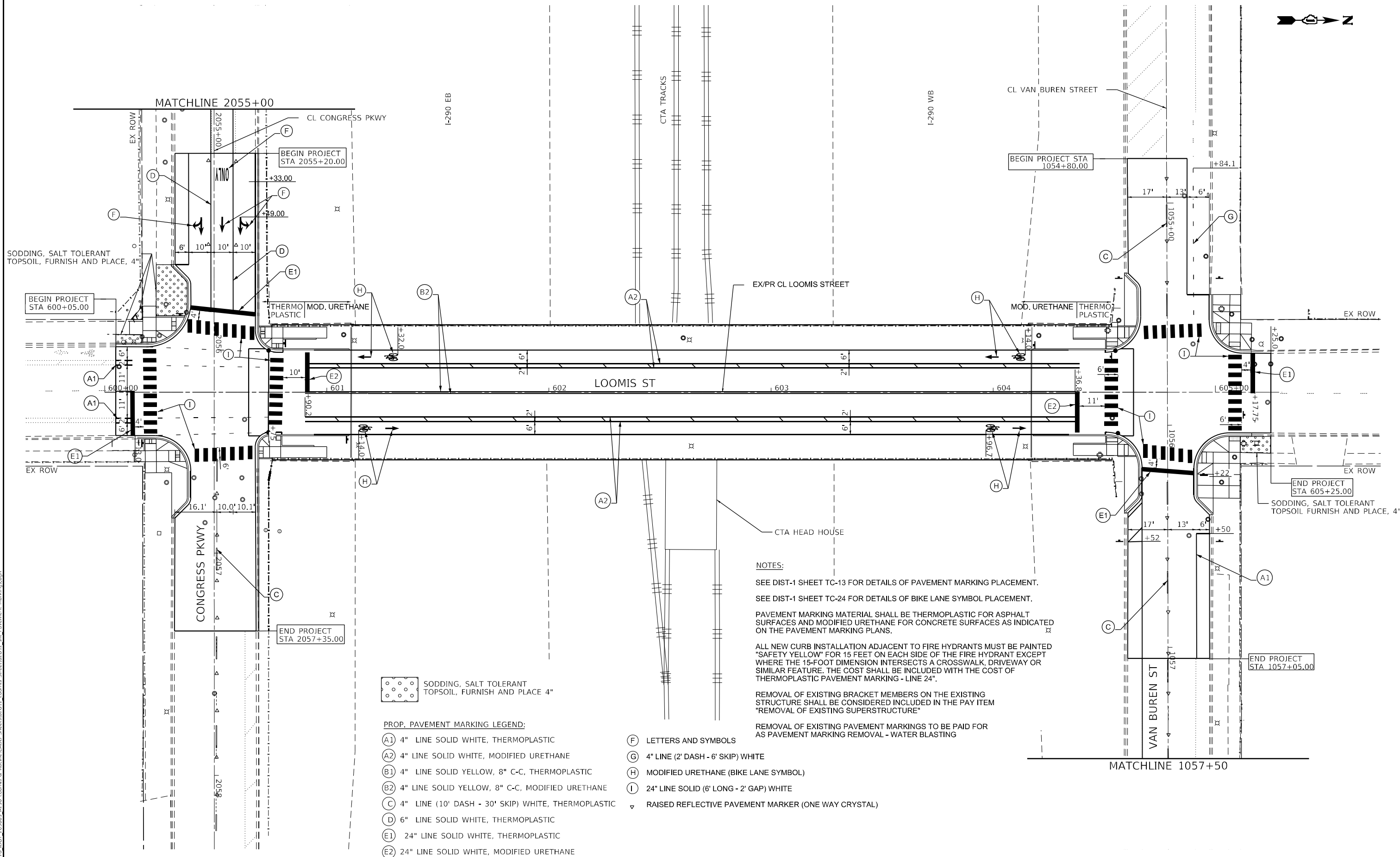
IDOT USE ONLY

APPROVED
By miguel.coreano at 7:23 am, May 20, 2025

RT & TWiG
Ruettiger, Tonelli & Associates, Inc.
Surveyors • Engineers • Planners • G.I.S. Consultants
124 Capital Drive • Shorewood, Illinois 60054
Ph: (815) 344-6000 Website: www.rta-twig.com

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
I-290 (EISENHOWER EXPRESSWAY)
LIMITS: AT LOOMS ST. BRIDGE COUNTY: COOK
SECTION: JOB NO.: R-90-003-23
STA. TO STA.
SCALE: 1"=50'
SHEET 5 OF 5 SHEETS
BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

REVISION DATE: / / REVISION MADE BY:



NOTES:

SEE DIST-1 SHEET TC-13 FOR DETAILS OF PAVEMENT MARKING PLACEMENT.

SEE DIST-1 SHEET TC-24 FOR DETAILS OF BIKE LANE SYMBOL PLACEMENT.

PAVEMENT MARKING MATERIAL SHALL BE THERMOPLASTIC FOR ASPHALT SURFACES AND MODIFIED URETHANE FOR CONCRETE SURFACES AS INDICATED ON THE PAVEMENT MARKING PLANS.

ALL NEW CURB INSTALLATION ADJACENT TO FIRE HYDRANTS MUST BE PAINTED "SAFETY YELLOW" FOR 15 FEET ON EACH SIDE OF THE FIRE HYDRANT EXCEPT WHERE THE 15-FOOT DIMENSION INTERSECTS A CROSSWALK, DRIVEWAY OR SIMILAR FEATURE. THE COST SHALL BE INCLUDED WITH THE COST OF THERMOPLASTIC PAVEMENT MARKING - LINE 24".

REMOVAL OF EXISTING BRACKET MEMBERS ON THE EXISTING STRUCTURE SHALL BE CONSIDERED INCLUDED IN THE PAY ITEM "REMOVAL OF EXISTING SUPERSTRUCTURE"

REMOVAL OF EXISTING PAVEMENT MARKINGS TO BE PAID FOR AS PAVEMENT MARKING REMOVAL - WATER BLASTING

SODDING, SALT TOLERANT TOPSOIL, FURNISH AND PLACE 4"

PROP. PAVEMENT MARKING LEGEND:

- | | |
|--|---|
| (A1) 4" LINE SOLID WHITE, THERMOPLASTIC | (F) LETTERS AND SYMBOLS |
| (A2) 4" LINE SOLID WHITE, MODIFIED URETHANE | (G) 4" LINE (2' DASH - 6' SKIP) WHITE |
| (B1) 4" LINE SOLID YELLOW, 8" C-C, THERMOPLASTIC | (H) MODIFIED URETHANE (BIKE LANE SYMBOL) |
| (B2) 4" LINE SOLID YELLOW, 8" C-C, MODIFIED URETHANE | (I) 24" LINE SOLID (6' LONG - 2' GAP) WHITE |
| (C) 4" LINE (10' DASH - 30' SKIP) WHITE, THERMOPLASTIC | ▽ RAISED REFLECTIVE PAVEMENT MARKER (ONE WAY CRYSTAL) |
| (D) 6" LINE SOLID WHITE, THERMOPLASTIC | |
| (E1) 24" LINE SOLID WHITE, THERMOPLASTIC | |
| (E2) 24" LINE SOLID WHITE, MODIFIED URETHANE | |

MODEL: Default
FILE NAME: Vol_01_178_IDOT_205009-I-290_Loomis & RadnorCAD.DWG
SHEET: 62U12_012_012_Pavement Markings.dwg



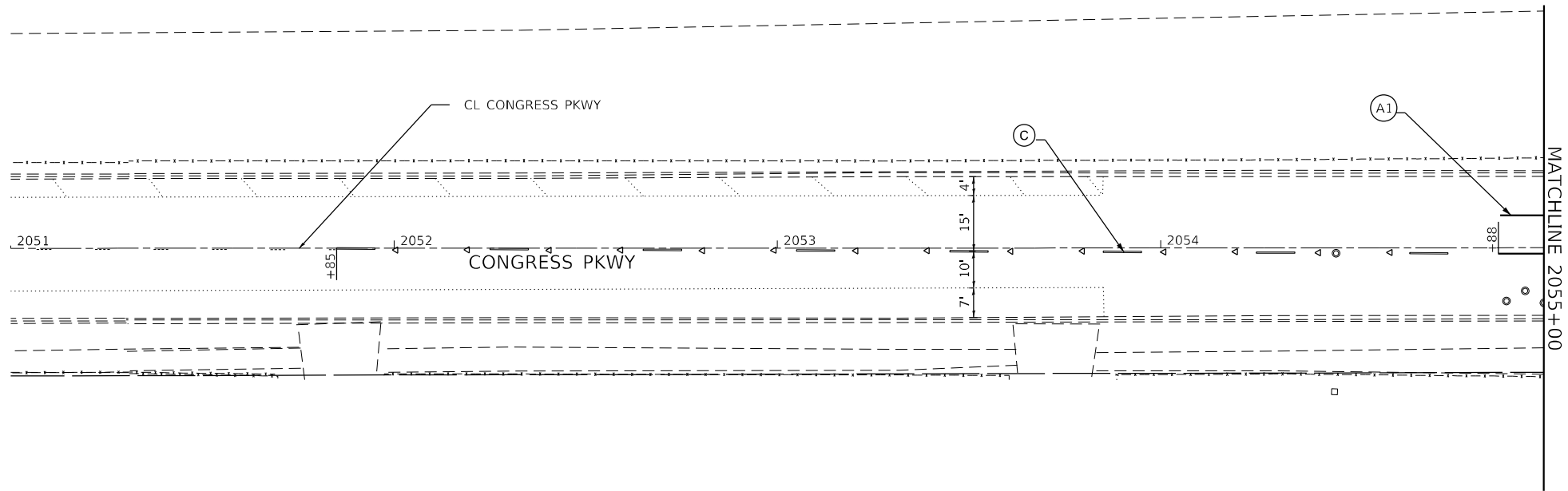
USER NAME = jrodriquez	DESIGNED -	REVISED -
PLOT SCALE = 40,0000 * / in.	DRAWN -	REVISED -
PLOT DATE = 11/17/2025	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING AND LANDSCAPING
LOOMIS STREET OVER I-290 (FAI 290)

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	FAI 290 22 BRIDGE 3	COOK	161	43
CONTRACT NO. 62U12				
ILLINOIS FED. AID PROJECT				



PROP. PAVEMENT MARKING LEGEND:

- | | |
|--|---|
| (A1) 4" LINE SOLID WHITE, THERMOPLASTIC | (F) LETTERS AND SYMBOLS |
| (A2) 4" LINE SOLID WHITE, MODIFIED URETHANE | (G) 4" LINE (2' DASH - 6' SKIP) WHITE |
| (B1) 4" LINE SOLID YELLOW, 8" C-C, THERMOPLASTIC | (H) MODIFIED URETHANE (BIKE LANE SYMBOL) |
| (B2) 4" LINE SOLID YELLOW, 8" C-C, MODIFIED URETHANE | (I) 24" LINE SOLID (6' LONG - 2' GAP) WHITE |
| (C) 4" LINE (10' DASH - 30' SKIP) WHITE, THERMOPLASTIC | ▼ RAISED REFLECTIVE PAVEMENT MARKER (ONE WAY CRYSTAL) |
| (D) 6" LINE SOLID WHITE, THERMOPLASTIC | |
| (E1) 24" LINE SOLID WHITE, THERMOPLASTIC | |
| (E2) 24" LINE SOLID WHITE, MODIFIED URETHANE | |

NOTES:

SEE DIST-1 SHEET TC-13 FOR DETAILS OF PAVEMENT MARKING PLACEMENT.

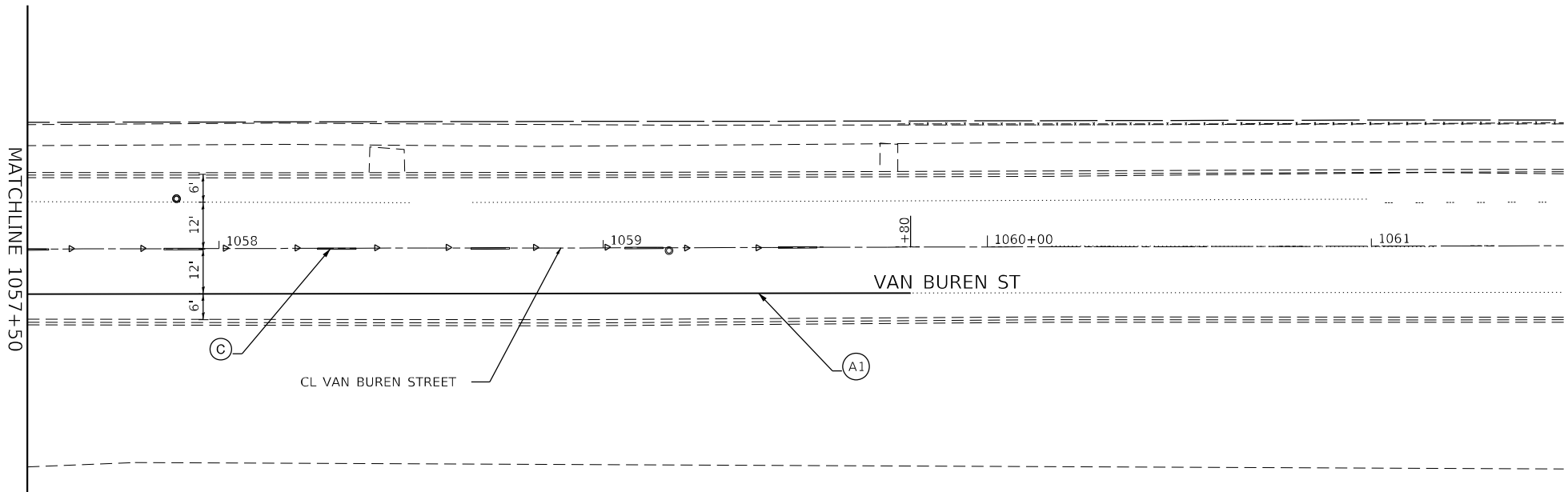
SEE DIST-1 SHEET TC-24 FOR DETAILS OF BIKE LANE SYMBOL PLACEMENT.

PAVEMENT MARKING MATERIAL SHALL BE THERMOPLASTIC FOR ASPHALT SURFACES AND MODIFIED URETHANE FOR CONCRETE SURFACES AS INDICATED ON THE PAVEMENT MARKING PLANS.

ALL NEW CURB INSTALLATION ADJACENT TO FIRE HYDRANTS MUST BE PAINTED "SAFETY YELLOW" FOR 15 FEET ON EACH SIDE OF THE FIRE HYDRANT EXCEPT WHERE THE 15-FOOT DIMENSION INTERSECTS A CROSSWALK, DRIVEWAY OR SIMILAR FEATURE. THE COST SHALL BE INCLUDED WITH THE COST OF THERMOPLASTIC PAVEMENT MARKING - LINE 24".

REMOVAL OF EXISTING BRACKET MEMBERS ON THE EXISTING STRUCTURE SHALL BE CONSIDERED INCLUDED IN THE PAY ITEM "REMOVAL OF EXISTING SUPERSTRUCTURE"

REMOVAL OF EXISTING PAVEMENT MARKINGS TO BE PAID FOR AS PAVEMENT MARKING REMOVAL - WATER BLASTING



MODEL: Default
FILE NAME: Vol_01_178 IDOT_205009-1-290 Loomis & Radne/CADD_Sheets/62U12_01r_Pavement_Markings.dgn



BLA, Inc.
ITASCA, ILLINOIS

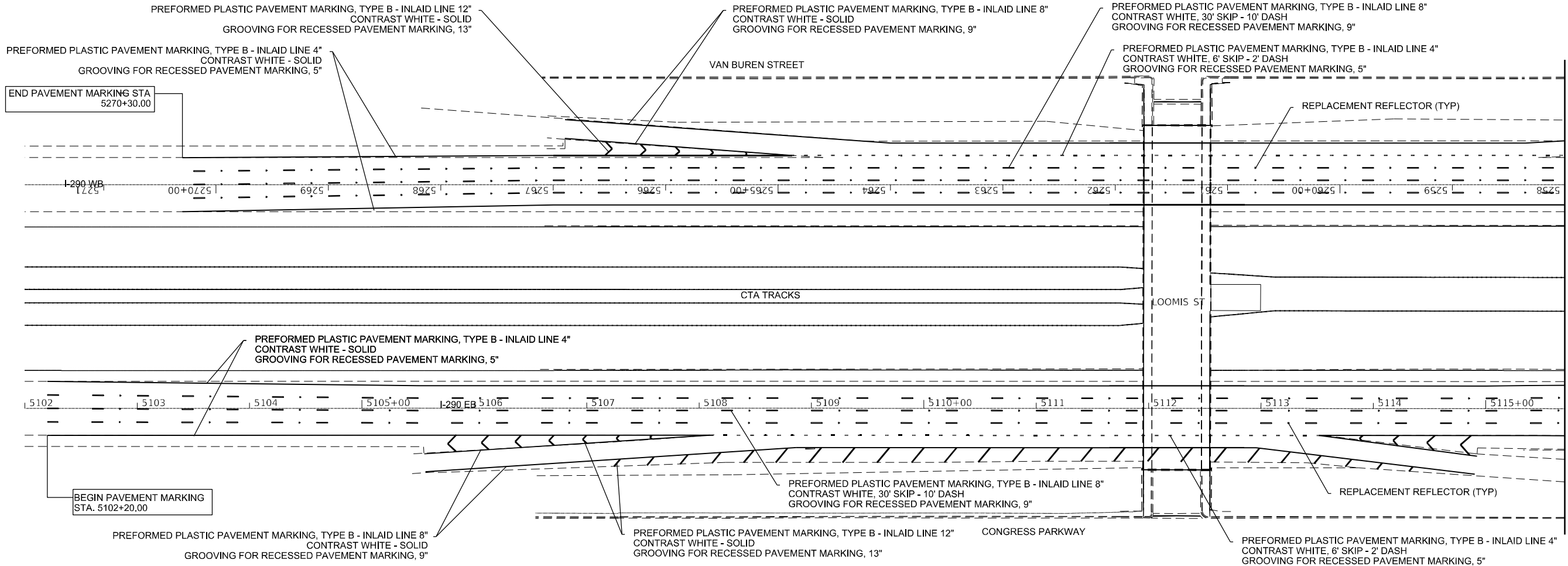
USER NAME = jrodriguez	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40,0000 * / in.	CHECKED -	REVISED -
PLOT DATE = 10/16/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

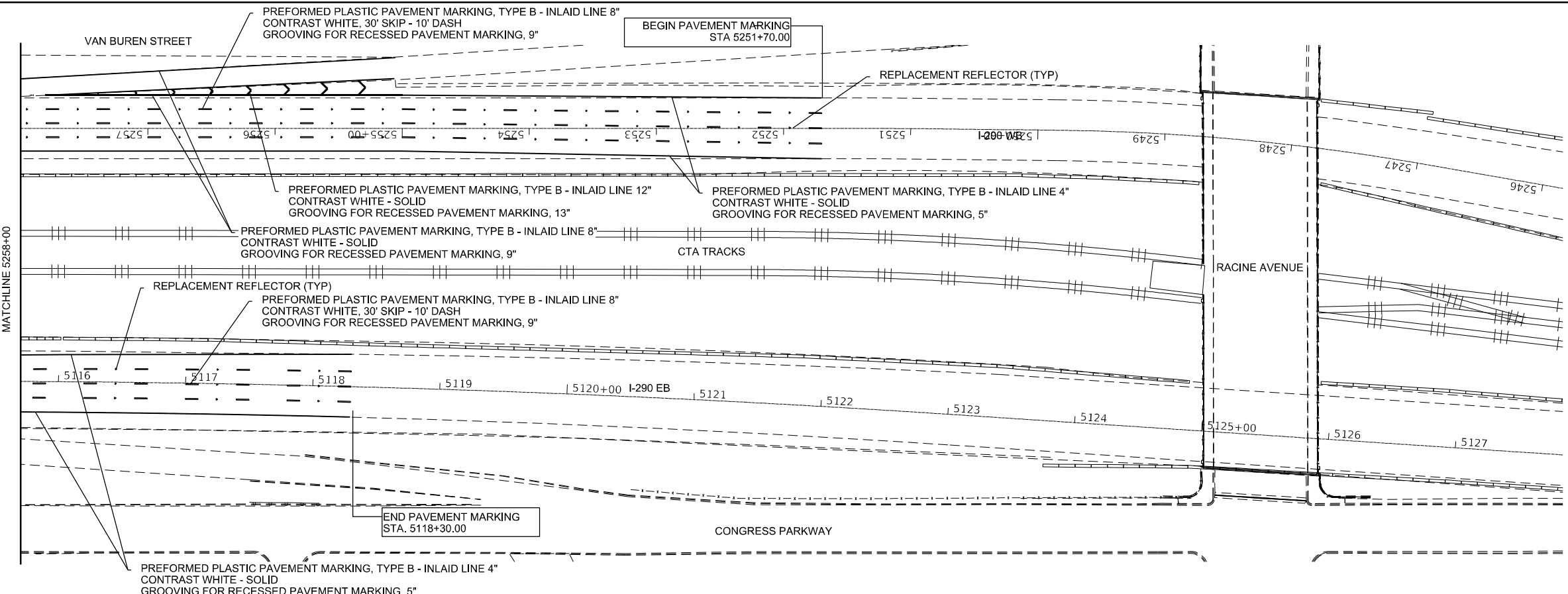
PAVEMENT MARKING AND LANDSCAPING
LOOMIS STREET OVER I-290 (FAI 290)

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	FAI 290 22 BRIDGE 3	COOK	161	44
CONTRACT NO. 62U12				
ILLINOIS FED. AID PROJECT				



NOTES:
REMOVAL OF EXISTING PAVEMENT MARKINGS TO BE PAID FOR AS PAVEMENT MARKING REMOVAL - WATER BLASTING



MODEL: Default
FILE NAME: Vol 01_1178 IDOT_205009 I-290 Loomis & Racine CADD_Sheets02U12.dwg Pavement Markings 290.dgn



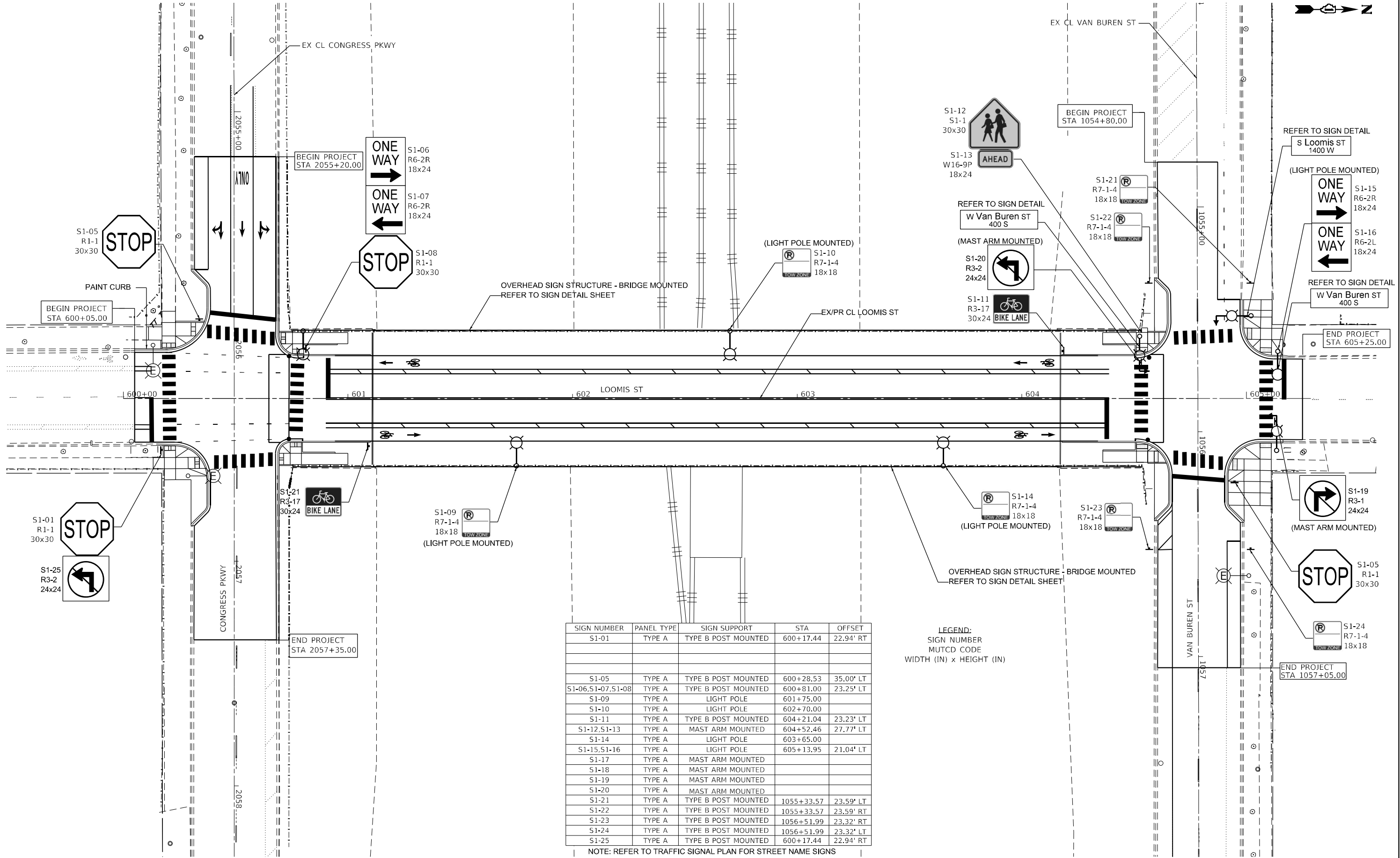
USER NAME = jrodriguez	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 11/11/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING (I-290) LOOMIS STREET OVER I-290 (FAI 290)			
SCALE: 1" = 20'	SHEET 1	OF 1	SHEETS
STA.	TO STA.		

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	FAI 290 22 BRIDGE 3	COOK	161	45
CONTRACT NO. 62U12				
ILLINOIS FED. AID PROJECT				

MODEL: Default
FILE NAME: \\0191178\DOT_205009-L390_Loomis & Radnor\CAADD_Sheets\62U12_Loomis Street\62U12_4th_Signing_Plan.dgn



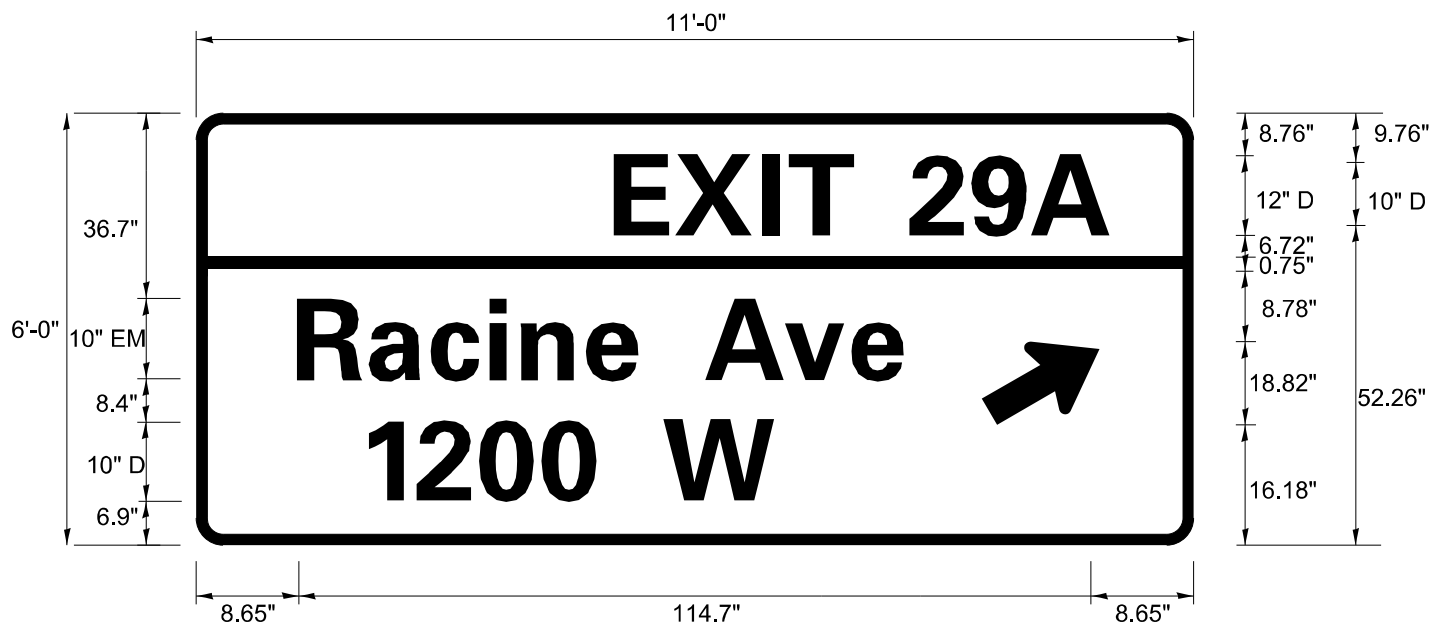
USER NAME = jrodriguez	DESIGNED -	REVISED -
DRAWN -	REVISED -	REVISED -
PLOT SCALE = 40,0000 * / in.	CHECKED -	REVISED -
PLOT DATE = 11/11/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIGNING PLAN
LOOMIS STREET OVER I-290 (FAI 290)

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	FAI 290 22 BRIDGE 3	COOK	161	46
CONTRACT NO. 62U12				
ILLINOIS FED. AID PROJECT				



SIGN NUMBER	GUIDE SIGN 1
WIDTH x HEIGHT	11'-0"- X 6'-0"
BORDER WIDTH	1.5"
CORNER RADIUS	8"
MOUNTING	OVERHEAD
BACKGROUND	TYPE: Reflective
	COLOR: Green /Green
LEGEND/BORDER	TYPE: Reflective
	COLOR: White /White

SYMBOL	ROT	X	Y	WID	HT
Exit Arrow (Type A)	315	104.6	16.2	15	24

Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)																										LENGTH	SERIES/SIZE
E	X	I	T	2	9	A																					D 2000
32.3	39.5	48	51.1	69.3	79.9	89.6																				67.5	10, 12
R	a	c	i	n	e		A	v	e																		EM 2000
9.4	19.3	29	38.7	44.7	54.4	61	71	82.4	92.1																	89.3	10 /7.5
1	2	0	0		W																						D 2000
25.4	34.2	43.3	52.4	59.5	69.5																					53	10

MODEL: Default
FILE NAME: \\01-91-178\DOT_205009-L390_Loomis & Racine\CADD_Sheets\62U12_Loomis Street\62U12_Ext_Sign_Detail 0_1.dgn



SIGN NUMBER	GUIDE SIGN 2
WIDTH x HEIGHT	11'-6"- X 9'-0"
BORDER WIDTH	1.5"
CORNER RADIUS	8"
MOUNTING	OVERHEAD
BACKGROUND	TYPE: Reflective
	COLOR: Green /Green
LEGEND/BORDER	TYPE: Reflective
	COLOR: White /White

SYMBOL	ROT	X	Y	WID	HT
Exit Arrow (Type A)	315	108.7	13.6	15	24

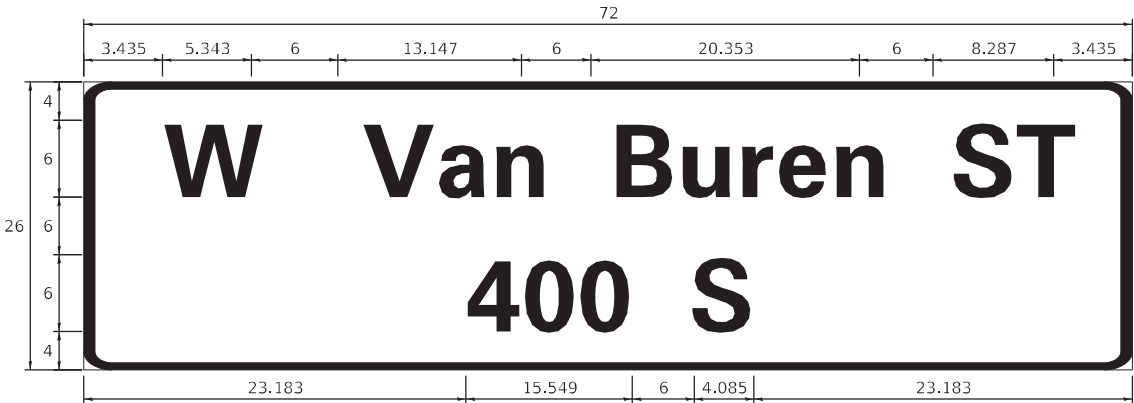
Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)																										LENGTH	SERIES/SIZE
E	X	I	T	2	8	B																					D 2000
63.6	70.8	79.3	82.4	100.6	110.8	121																				66.5	10, 12
A	s	I	a	n	d		A	v	e																		EM 2000
26.4	36.5	47.1	52.2	62.8	72.5	79.1	89.1	90.5	100.2																	101.4	10 /7.5
1	6	0	0		W																						D 2000
36.2	45.8	54.6	63.7	70.8	80.8																					5	10
P	a	u	I	i	n	a		S	t																		EM 2000
9.2	18.8	29.4	40	46	55.7	62.3	68.9	78.9	89.1																	84.5	10 /7.5
1	7	0	0		W																						D 2000
31.9	39.9	49.6	58.7	65.8	75.8																					53	10

MODEL: Default
FILE NAME: 10191178.IDOT_205009-L390_Loomis & Paulina Street(62U12_4th_Sign_Detail_02.dgn

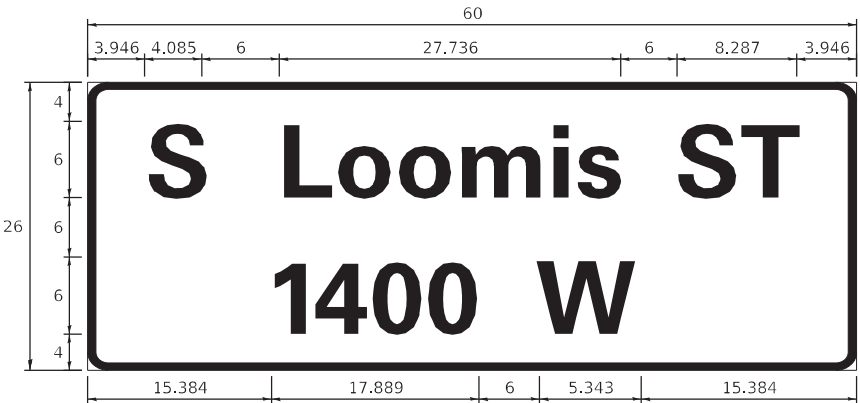
SIGN PANEL – TYPE 1 OR TYPE 2

ALL DIMENSIONS ARE IN INCHES UNLESS NOTED OTHERWISE



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY REQUIRED
D	13	2	ZZ	2

NOTE: FOR ADDITIONAL DESIGN AND INSTALLATION INFORMATION
PLEASE SEE DISTRICT ONE MAST ARM MOUNTED STREET
NAME SIGNS DETAIL.



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY REQUIRED
D	10.8	2	ZZ	2

NOTE: FOR ADDITIONAL DESIGN AND INSTALLATION INFORMATION
PLEASE SEE DISTRICT ONE MAST ARM MOUNTED STREET
NAME SIGNS DETAIL.

MODEL: Default
FILE NAME: \\0191178\DOT_205009-1-290_Loomis & Radne\CADD_Sheets\62U12_01_Sign_Detail_03_Mast_Arm_Mounted.dgn



BLA, Inc.
ITASCA, ILLINOIS

USER NAME = jrodriguez	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40,0006 ' / in.	CHECKED -	REVISED -
PLOT DATE = 11/11/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAST ARM MOUNTED STREET NAME SIGNS DETAIL
LOOMIS STREET OVER I-290 (FAI 290)

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	FAI 290 22 BRIDGE 3	COOK	161	49
CONTRACT NO. 62U12				
ILLINOIS FED. AID PROJECT				



LEGEND

	DETECTABLE WARNINGS (SPECIAL)
	PORTLAND CEMENT CONCRETE SIDEWALK, 5"
	PROPOSED SIDE CURB
	EXISTING ELEVATION



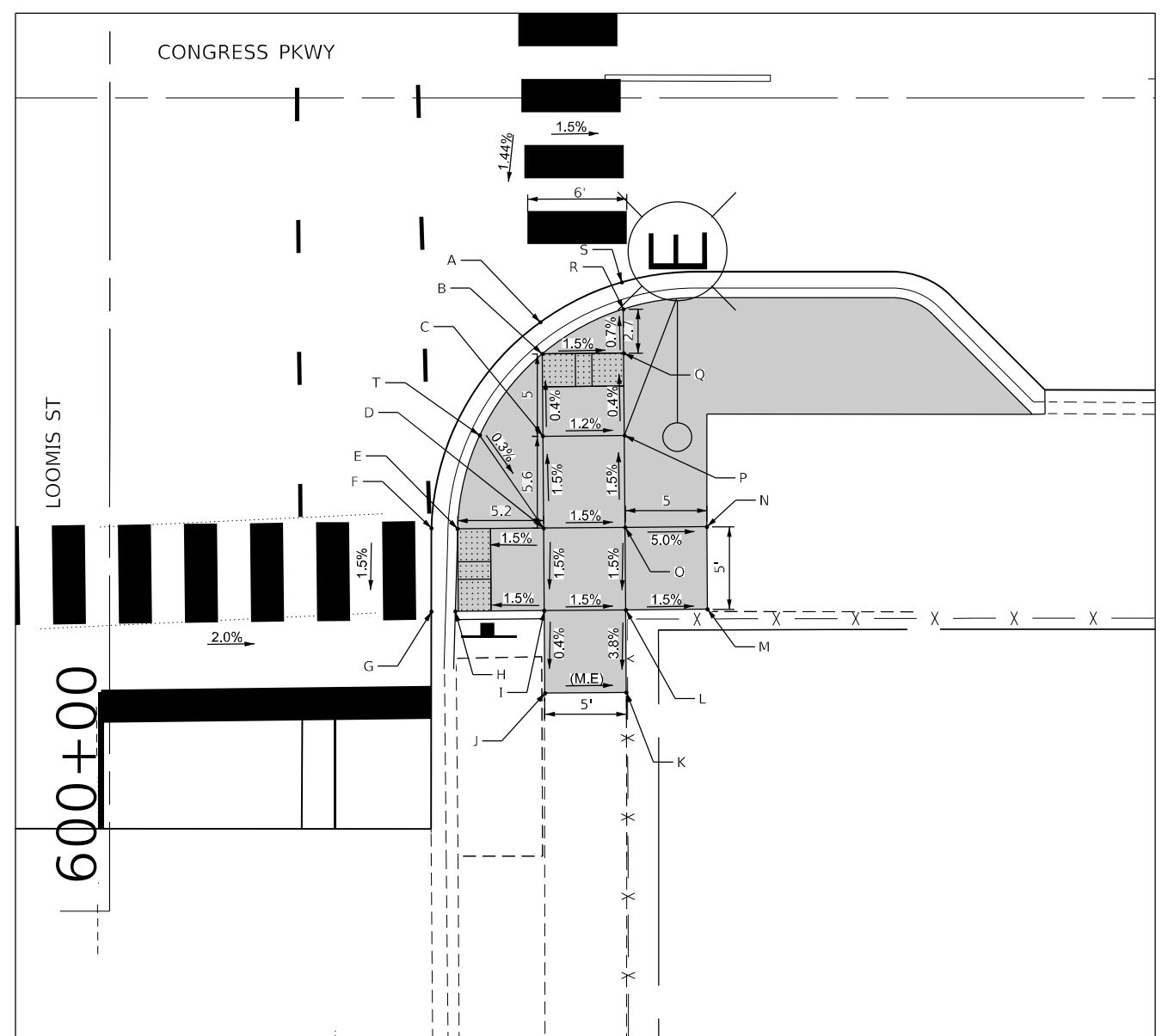
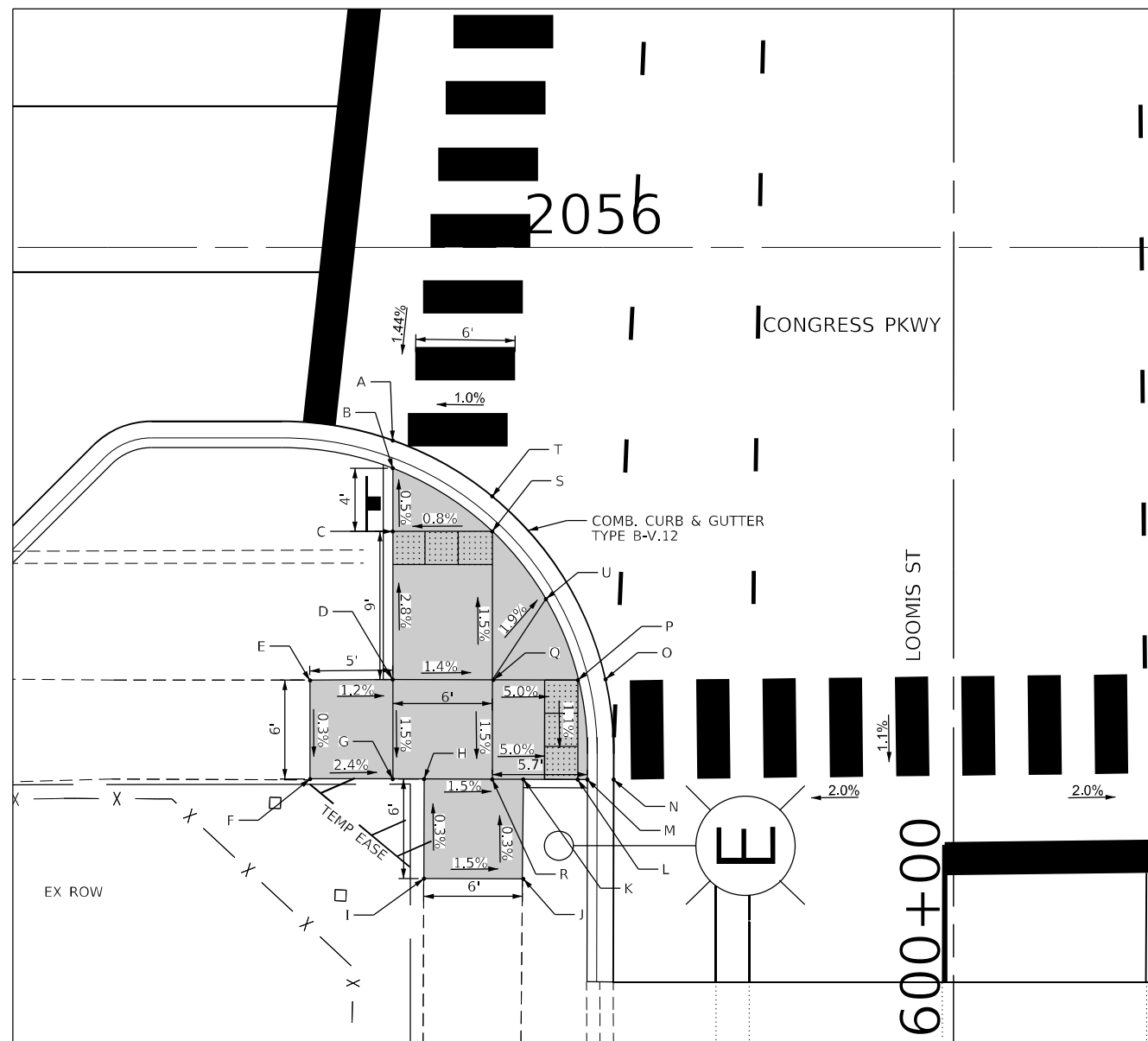
MODEL: Default
FILE NAME: W:\191-178 IDOT 205009 I-290 Loomis & Racine\CADD Sheets\62U12 Loomis Street\62U12.sht ADA 02.dgn



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE: 1" = 5'	SHEET 3	OF 4 SHEETS	STA.	TO STA.
----------------	---------	-------------	------	---------

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	FAI 290 22 BRIDGE 3	COOK	161	51
		CONTRACT NO. 62U12		
		ILLINOIS	FED. AID PROJECT	



ADA RAMP ELEVATION TABLE					
POINT	STATION	OFFSET	ELEV.	NORTHING	EASTING
A	600+37.65	33.83 LT	593.05	1,897,836.81	1,167,100.99
B	600+35.95	33.83 LT	593.04	1,897,835.12	1,167,101.05
C	600+32.18	33.82 LT	593.06	1,897,831.31	1,167,101.16
D	600+32.18	33.82 LT	593.32	1,897,822.38	1,167,101.42
E	600+23.18	38.82 LT	593.34	1,897,822.20	1,167,096.43
F	600+17.25	38.81 LT	593.36	1,897,816.24	1,167,096.61
G	600+17.25	33.81 LT	593.24	1,897,816.39	1,167,101.41
H	600+17.22	31.95 LT	593.19	1,897,816.44	1,167,103.48
I	600+11.25	31.95 LT	(593.21)	1,897,810.44	1,167,103.64
J	600+11.20	26.00 LT	(593.10)	1,897,810.60	1,167,109.59
K	600+17.20	25.93 LT	593.10	1,897,816.60	1,167,109.47
L	600+17.20	22.65 LT	593.08	1,897,816.69	1,167,112.76
M	600+17.20	22.06 LT	592.88	1,897,816.70	1,167,113.34
N	600+17.23	20.49 LT	592.89	1,897,816.78	1,167,114.92
O	600+23.27	21.00 LT	592.96	1,897,822.81	1,167,114.24
P	600+23.23	22.66 LT	592.95	1,897,822.69	1,167,112.58
Q	600+23.16	27.85 LT	593.25	1,897,822.55	1,167,107.42
R	600+17.21	27.81 LT	593.18	1,897,816.55	1,167,107.60
S	600+32.16	27.82 LT	593.11	1,897,831.49	1,167,107.16
T	600+34.28	27.84 LT	593.12	1,897,833.61	1,167,107.08
U	600+28.08	24.59 LT	593.14	1,897,827.51	1,167,110.51

ADA RAMP ELEVATION TABLE					
POINT	STATION	OFFSET	ELEV.	NORTHING	EASTING
A	600+35.72	26.06 RT	593.23	1,897,836.62	1,167,160.91
B	600+33.80	26.18 RT	593.22	1,897,834.71	1,167,161.08
C	600+28.81	26.23 RT	593.24	1,897,829.72	1,167,161.28
D	600+23.24	26.27 RT	593.36	1,897,824.16	1,167,161.49
E	600+23.20	21.07 RT	593.29	1,897,823.96	1,167,156.27
F	600+23.22	19.48 RT	593.30	1,897,823.94	1,167,154.70
G	600+18.18	19.47 RT	593.32	1,897,818.89	1,167,154.84
H	600+18.19	20.92 RT	593.22	1,897,818.96	1,167,156.28
I	600+18.24	26.30 RT	593.29	1,897,819.16	1,167,161.67
J	600+13.24	26.35 RT	(593.27)	1,897,814.16	1,167,161.85
K	600+13.28	31.27 RT	(593.17)	1,897,814.35	1,167,166.78
L	600+18.28	31.26 RT	593.36	1,897,819.35	1,167,166.61
M	600+18.33	36.20 RT	(593.13)	1,897,819.54	1,167,171.55
N	600+23.33	36.15 RT	(593.04)	1,897,824.54	1,167,171.36
O	600+23.28	31.21 RT	593.29	1,897,824.34	1,167,166.42
P	600+28.85	31.16 RT	593.20	1,897,829.91	1,167,166.21
Q	600+33.85	31.11 RT	593.18	1,897,834.90	1,167,166.02
R	600+36.51	31.09 RT	593.14	1,897,837.57	1,167,165.92
S	600+38.13	30.98 RT	(593.15)	1,897,839.18	1,167,165.76
T	600+28.85	22.40 RT	593.38	1,897,829.66	1,167,157.45

LEGEND



DETECTABLE WARNINGS (SPECIAL)



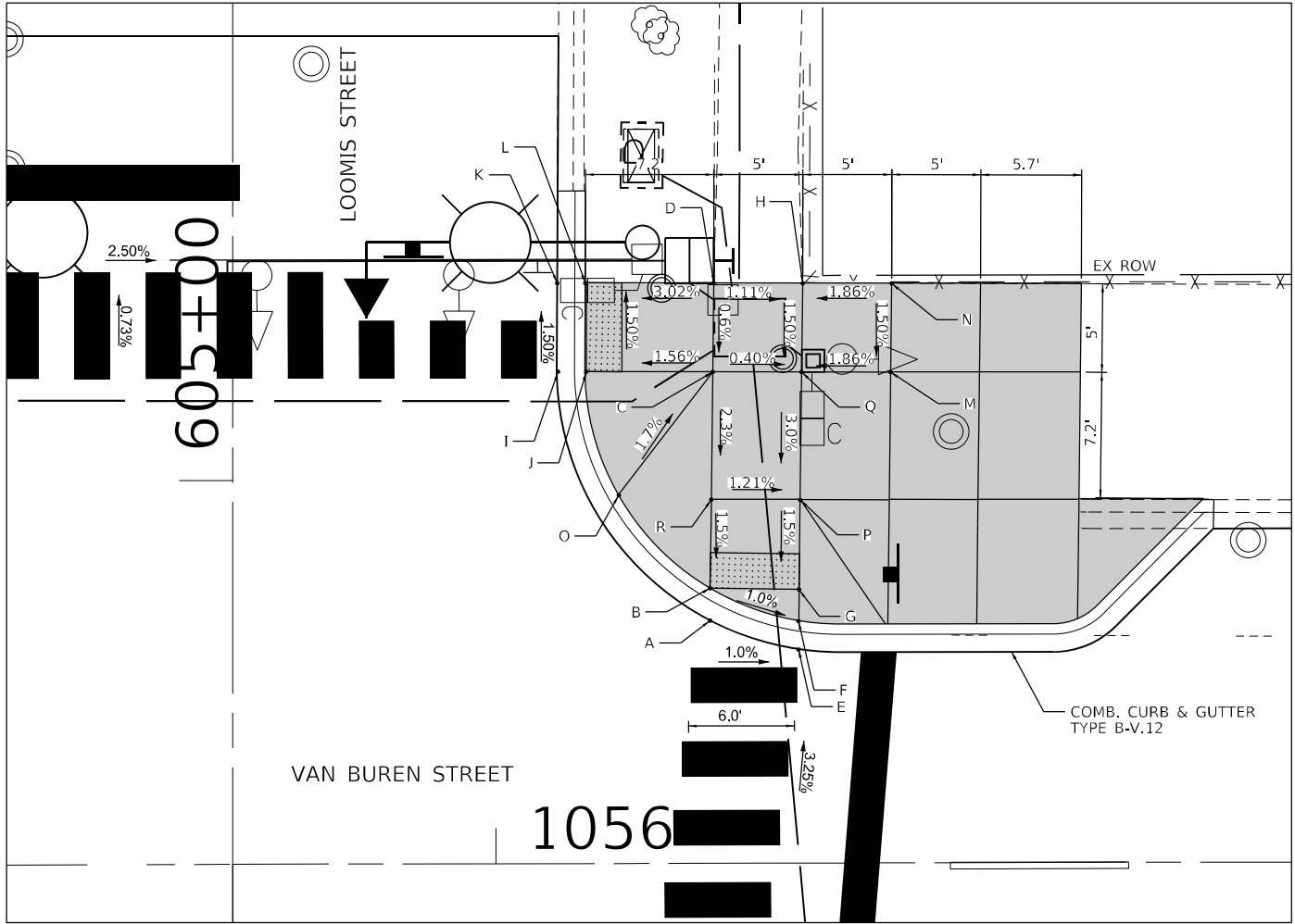
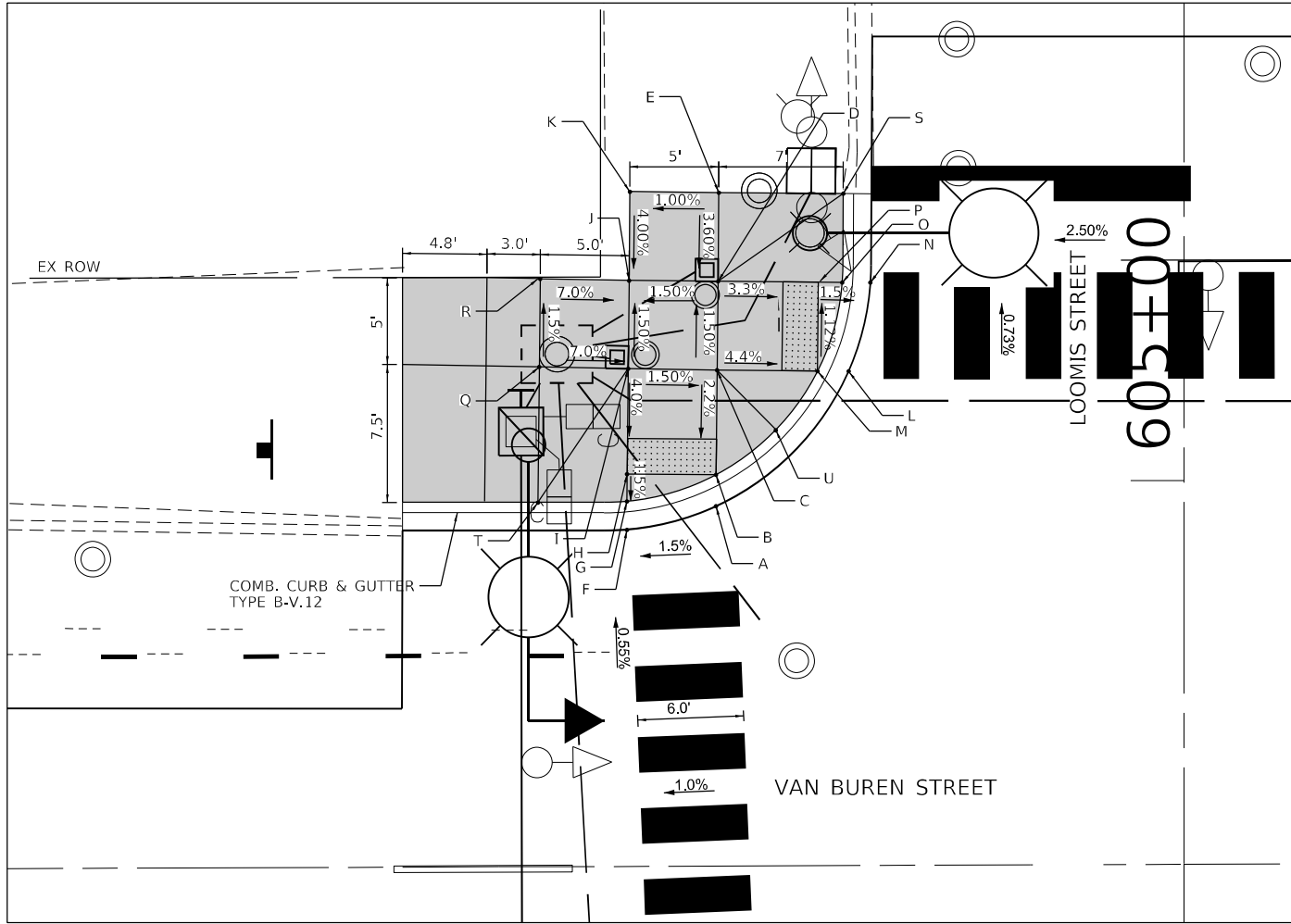
PORTLAND CEMENT CONCRETE
SIDEWALK, 5"



PROPOSED SIDE CURB



EXISTING ELEVATION



ADA RAMP ELEVATION TABLE					
POINT	STATION	OFFSET	ELEV.	NORTHING	EASTING
A	604+98.57	26.34' LT	(593.05)	1,898,297.73	1,167,094.98
B	605+00.34	26.33' LT	593.04	1,898,299.52	1,167,094.98
C	605+06.23	26.27' LT	593.15	1,898,305.41	1,167,094.86
D	605+11.23	26.22' LT	593.08	1,898,310.41	1,167,094.77
E	605+16.23	26.17' LT	(593.40)	1,898,315.41	1,167,094.67
F	604+97.25	31.36' LT	592.98	1,898,296.28	1,167,090.01
G	604+98.84	31.34' LT	592.97	1,898,297.87	1,167,090.01
H	605+00.39	31.33' LT	592.94	1,898,299.42	1,167,089.98
I	605+06.32	31.27' LT	593.08	1,898,305.35	1,167,089.86
J	605+11.28	31.22' LT	593.01	1,898,310.31	1,167,089.77
K	605+16.28	31.17' LT	593.33	1,898,315.31	1,167,089.67
L	605+06.16	18.88' LT	(592.94)	1,898,305.52	1,167,102.24
M	605+06.18	20.62' LT	(592.93)	1,898,305.52	1,167,100.51
N	605+11.15	17.64' LT	(592.88)	1,898,310.54	1,167,103.34
O	605+11.16	19.24' LT	592.87	1,898,310.54	1,167,101.76
P	605+11.17	20.57' LT	592.90	1,898,310.52	1,167,100.42
Q	605+06.41	36.27' LT	(593.43)	1,898,305.30	1,167,084.86
R	605+11.37	36.22' LT	593.36	1,898,310.25	1,167,084.77
S	605+16.16	19.17' LT	(593.21)	1,898,315.54	1,167,101.67
T	604+98.78	36.34' LT	(593.21)	1,898,297.67	1,167,085.01
U	605+02.86	22.97' LT	(593.11)	1,898,302.14	1,167,098.26

LEGEND

DETECTABLE WARNINGS (SPECIAL)

PORTLAND CEMENT CONCRETE SIDEWALK, 5"

PROPOSED SIDE CURB

()

EXISTING ELEVATION

ADA RAMP ELEVATION TABLE					
POINT	STATION	OFFSET	ELEV.	NORTHING	EASTING
A	604+92.14	26.85 RT	592.71	1,898,292.88	1,167,148.37
B	604+93.95	26.85 RT	592.72	1,898,294.69	1,167,148.32
C	605+06.13	27.00' RT	592.96	1,898,306.87	1,167,148.11
D	605+11.13	27.06' RT	(592.99)	1,898,311.86	1,167,148.02
E	604+90.52	31.82 RT	592.66	1,898,291.40	1,167,153.39
F	604+92.13	31.93 RT	592.65	1,898,293.01	1,167,153.35
G	604+93.88	31.85 RT	592.67	1,898,294.76	1,167,153.32
H	605+11.13	32.06' RT	(593.05)	1,898,312.00	1,167,153.02
I	605+06.14	18.29' RT	(592.86)	1,898,306.62	1,167,139.41
J	605+06.14	19.89' RT	592.85	1,898,306.67	1,167,141.00
K	605+11.14	18.24' RT	(592.79)	1,898,311.62	1,167,139.21
L	605+11.14	19.82' RT	592.78	1,898,311.66	1,167,140.79
M	605+06.12	36.99' RT	593.07	1,898,307.14	1,167,158.10
N	605+11.12	37.05' RT	(593.14)	1,898,312.14	1,167,158.02
O	605+01.42	22.22' RT	(593.10)	1,898,302.02	1,167,143.48
P	604+98.94	31.91 RT	592.72	1,898,299.82	1,167,153.23
Q	605+06.13	32.00 RT	592.94	1,898,306.99	1,167,153.11
R	604+98.95	26.92 RT	592.79	1,898,299.69	1,167,148.24

MODEL: Default
FILE NAME: W:\191178\DOT_205009-1-300_Loomis & Radnor\CAAD_Sheets\62U12_Loomis_Street\62U12_dwg_ADA_04.dgn



BLA, Inc.
ITASCA, ILLINOIS

USER NAME = jrodriguez	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 10,0001' / in.	CHECKED -	REVISED -
PLOT DATE = 11/11/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA DETAILS			
LOOMIS STREET OVER I-290 (FAI 290)			
SCALE: 1" = 5'	SHEET 1	OF 4 SHEETS	STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	FAI 290 22 BRIDGE 3	COOK	161	53
CONTRACT NO. 62U12				
ILLINOIS		FED. AID PROJECT		

GENERAL NOTES:

1.

THIS PROJECT INCLUDES THE REPLACEMENT OF LOOMIS STREET BRIDGE DECK AND SUPERSTRUCTURE RESULTING IN THE REPLACEMENT OF UNDER DECK AND OVER DECK LIGHTING. THE UNDER DECK LIGHTING OVER I-290 IS OWNED AND MAINTAINED BY IDOT WHERE AS THE OVER DECK LIGHTING ON THE BRIDGE IS OWNED AND MAINTAINED BY CDOT.
2.

THE PROJECT LIMITS ALONG LOOMIS STREET ARE BETWEEN W. VAN BUREN STREET AND W. CONGRESS PARKWAY.
3.

THE EXISTING UNDERPASS LIGHTING IS CONNECTED TO EXISTING IDOT LIGHTING CONTROLLER "G" WHICH SHALL CONTINUE TO FEED THE PROPOSED LIGHTING LUMINAIRES AFTER CONSTRUCTION.
4.

THE EXISTING UNDERPASS LIGHTING SHALL BE REMOVED WHEN THE BRIDGE DECK ALONG WITH BEAMS ARE REMOVED. MAINLINE LIGHTING SHALL PROVIDE LIGHTING FOR THIS PORTION OF THE ROADWAY DURING CONSTRUCTION. THE PROPOSED UNDERPASS LUMINAIRES SHALL BE INSTALLED DURING CONSTRUCTION OF THE NEW DECK.
5.

THE CONTRACTOR SHALL NOTIFY J.U.L.I.E. TO LOCATE AND MARK/STAKE ALL UNDERGROUND UTILITIES. MEADE ELECTRIC CO. DISTRICT 1 ELECTRICAL MAINTENANCE CONTRACTOR LOCATES IDOT ELECTRICAL EQUIPMENT AND UNDERGROUND CABLES, CALL MEADE ELECTRIC CO. TRANSFER IDOT MAINTAINED EQUIPMENT TO THE CONTRACTOR BEFORE THE START OF ANY WORK. THEIR PHONE NUMBER IS 773-287-7672. THE CONTRACTOR SHALL ALSO CONTACT 811 CHICAGO (DIGGER) AT 312-744-7000 TO LOCATE CITY OF CHICAGO EQUIPMENT AND UNDERGROUND CABLES.
6.

THE LIGHTING SYSTEM INSTALLATION SHALL CONFORM TO THE LATEST NEC, IDOT STANDARDS, CDOT STANDARD AND LOCAL CODES.
7.

ALL ELECTRICAL EQUIPMENT AND PRODUCT SHALL BE UL LISTED AND LABELED.
8.

THE CONTRACTOR SHALL SUBMIT CDOT EQUIPMENT CATALOG CUTS TO:
CHICAGO DOT
2 N LASALLE ST, SUITE 1110
CHICAGO, IL 60602
CALL (312) 744-3600 TO COORDINATE.
9.

THE CONTRACTOR SHALL PICK UP LIGHTING HARDWARE SUPPLIED BY THE CITY AND SALVAGE AT CITY'S DIVISION OF ELECTRICAL OPERATIONS LOCATED AT 2451 S. ASHLAND AVENUE, CHICAGO, IL.
10.

THE COST OF DELIVERING SALVAGED LIGHTING HARDWARE TO CITY OF CHICAGO (CDOT) IS INCLUDED IN PAY ITEM 84200500 REMOVAL OF LIGHTING UNIT, SALVAGE.
11.

MAINTENANCE OF THE LIGHTING SYSTEMS BENEATH THE BRIDGE SHALL BE INCLUDED IN PAY ITEM X8000003 MAINTENANCE OF LIGHTING SYSTEM.
12.

THERE ARE EXISTING UNDERGROUND ELECTRIC CABLE UNDER THE NB LANES OF LOOMIS STREET AND EXISTING TELEPHONE CABLE LINES UNDER THE SB LANES OF LOOMIS STREET. THESE CABLES WILL NEED TO BE REPLACED AND RELOCATED BETWEEN THE EXISTING HANDHOLES AND MANHOLES AT VAN BUREN STREET AND AT CONGRESS PKWY. THE CONTRACTOR SHALL REPLACE THESE CABLE AND CONDUIT PER STRUCTURAL PLANS IN COOPERATION WITH THE ENGINEER AND CITY OF CHICAGO REQUIREMENTS.
13.

A REPRESENTATIVE OF THE DWM MUST BE PRESENT DURING THE EXCAVATION AND INSTALLATION OF THE EXISTING 24-INCH FEEDER MAIN.

BILL OF MATERIALS

DESCRIPTION	UNIT	TOTAL QUANTITY	UNDERPASS IDOT LIGHTING	CDOT LIGHTING
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	106		106
CONDUIT ATTACHED TO STRUCTURE, 1" DIA., PVC COATED GALVANIZED STEEL	FOOT	435	435	
CONDUIT ATTACHED TO STRUCTURE, 3" DIA., PVC COATED GALVANIZED STEEL	FOOT	30	30	
CONDUIT EMBEDDED IN STRUCTURE, 1" DIA., PVC	FOOT	42		42
CONDUIT EMBEDDED IN STRUCTURE, 2" DIA., PVC	FOOT	708		708
JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 6" X 6" X 4"	EACH	8	8	
JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 12" X 10" X 6"	EACH	4	4	
JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 18" X 18" X 8"	EACH	2	2	
JUNCTION BOX EMBEDDED IN STRUCTURE 8" X 8" X 6"	EACH	2		2
UNIT DUCT, 600V, 3-1C NO.4, 1/C NO.6 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE	FOOT	130	130	
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	FOOT	1410	1410	
LUMINAIRE, LED, UNDERPASS, SUSPENDED, OUPUT DESIGNATION D	EACH	8	8	
REMOVAL OF LIGHTING UNIT, SALVAGE	EACH	6		6
REMOVAL OF LIGHTING UNIT, NO SALVAGE	EACH	8	8	
CABLE IN CONDUIT, TRIPLEX, 2-1/C NO. 6 AND 1-1/C NO. 8 GROUND	FOOT	881		881
LUMINAIRE (SPECIAL)	EACH	4		4
MAINTENANCE OF LIGHTING SYSTEM	CAL MO	12	12	
LIGHTING UNIT COMPLETE (SPECIAL)	EACH	4		4
MAINTENANCE OF STREET LIGHTING SYSTEM (CITY OF CHICAGO)	L SUM	1		1

LEGEND

- CABLE IN CONDUIT, TRIPLEX, 2-1/C NO. 6 AND 1-1/C NO. 8 GROUND (CDOT)
- UNIT DUCT, 600V, 3-1C NO. 4, 1/C NO.6 GROUND, (XLP-TYPE USE), 1¼" DIA. POLYTHENE.
- EXISTING UNDERPASS LUMINAIRE TO BE REMOVED, NO SALVAGE (IDOT)
- PROPOSED LUMINAIRE, LED, UNDERPASS, SUSPENDED, OUTPUT DESIGNATION D (MIN. 7690 LUMENS), 240V (LINE TO NEUTRAL)
- A
JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 6" x 6" x 4" (IDOT)
- B
JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 12" x 10" x 6" (IDOT)
- C
JUNCTION BOX, STAINLESS STEEL ATTACHED TO STRUCTURE, 18" x 18" x 8" WITH OVERCURRENT PROTECTION (IDOT)
- EXISTING CDOT LIGHTING UNIT TO BE REMOVED AND SALVAGED
- PROPOSED CDOT LIGHTING UNIT MOUNTED ON BRIDGE STRUCTURE, 240V (LINE TO LINE)
- PROPOSED CDOT COMBINATION LIGHTING UNIT
- EXISTING CDOT LIGHTING UNIT TO REMAIN
- EXISTING IDOT LIGHTING UNIT TO REMAIN
- CONDUIT ATTACHED TO STRUCTURE (ELECTRIC CABLE WITHIN) (IDOT)
- UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA. (CDOT)
- CABLE IN CONDUIT, TRIPLEX, 2-1/C NO. 6 AND 1-1/C NO. 8 GROUND, WITHIN CONDUIT EMBEDDED IN STRUCTURE 2" DIA., PVC

AMES Engineering, Inc.

CONSULTING ENGINEERS

6330 Belmont Road, Suite 4B

Downers Grove, IL 60516

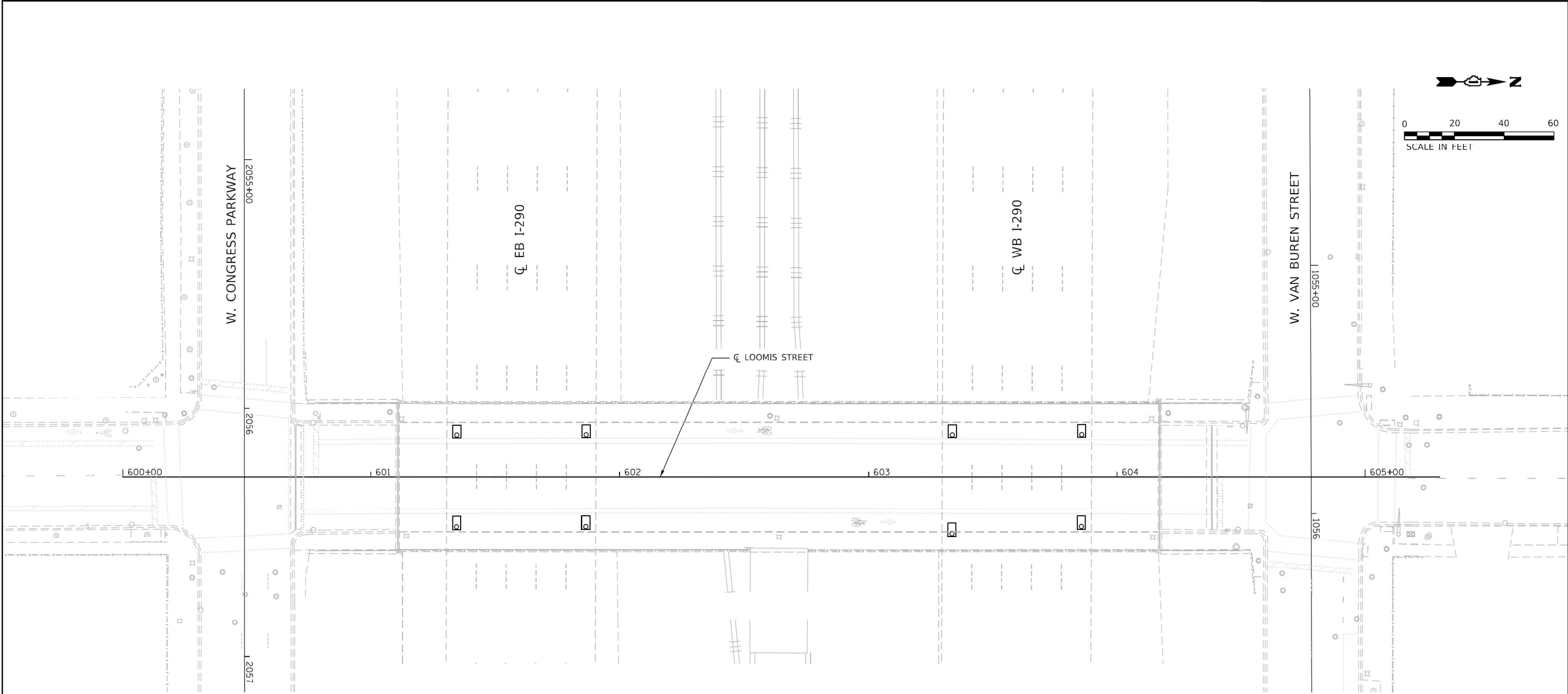
USER NAME = mdelkche	DESIGNED - KV	REVISED -
	DRAWN - SR	REVISED -
PLOT SCALE = 40.0017 ' / in.	CHECKED - BL	REVISED -
PLOT DATE = 10/2/2025	DATE - 06-04-2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES, BILL OF MATERIALS AND LEGEND			
LOOMIS STREET AT I-290			
SCALE: NONE	SHEET	OF	SHEETS
STA.		TO STA.	

MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2140	FAI 290 22 BRIDGE 3	COOK	161	54
CONTRACT NO. 62U12				
		ILLINOIS	FED. AID PROJECT	

MODEL Default
FILE NAME: Projects\1082 - Phase II Loomis Racine LTG - BLA\Design\IND\EL02\12-shd-light-02.dgn



LEGEND

 EXISTING UNDERPASS LUMINAIRE TO BE REMOVED, NO SALVAGE

NOTES:

- FOR GENERAL NOTES AND BILL OF MATERIALS SEE SHEET EL-01.
- SOME OF THE EXISTING UNDERPASS LUMINAIRE MAY HAVE BEEN REMOVED PRIOR TO THE START OF THIS CONTRACT. THE ENGINEER SHALL CONFIRM WHEN MAINTENANCE IS TRANSFERRED TO THE CONTRACTOR.

 **AMES Engineering, Inc.**
CONSULTING ENGINEERS
6330 Belmont Road, Suite 4B
Downers Grove, IL 60516

USER NAME = mdeltche
PLOT SCALE = 40.0000 ' / in.
PLOT DATE = 9/2/2025

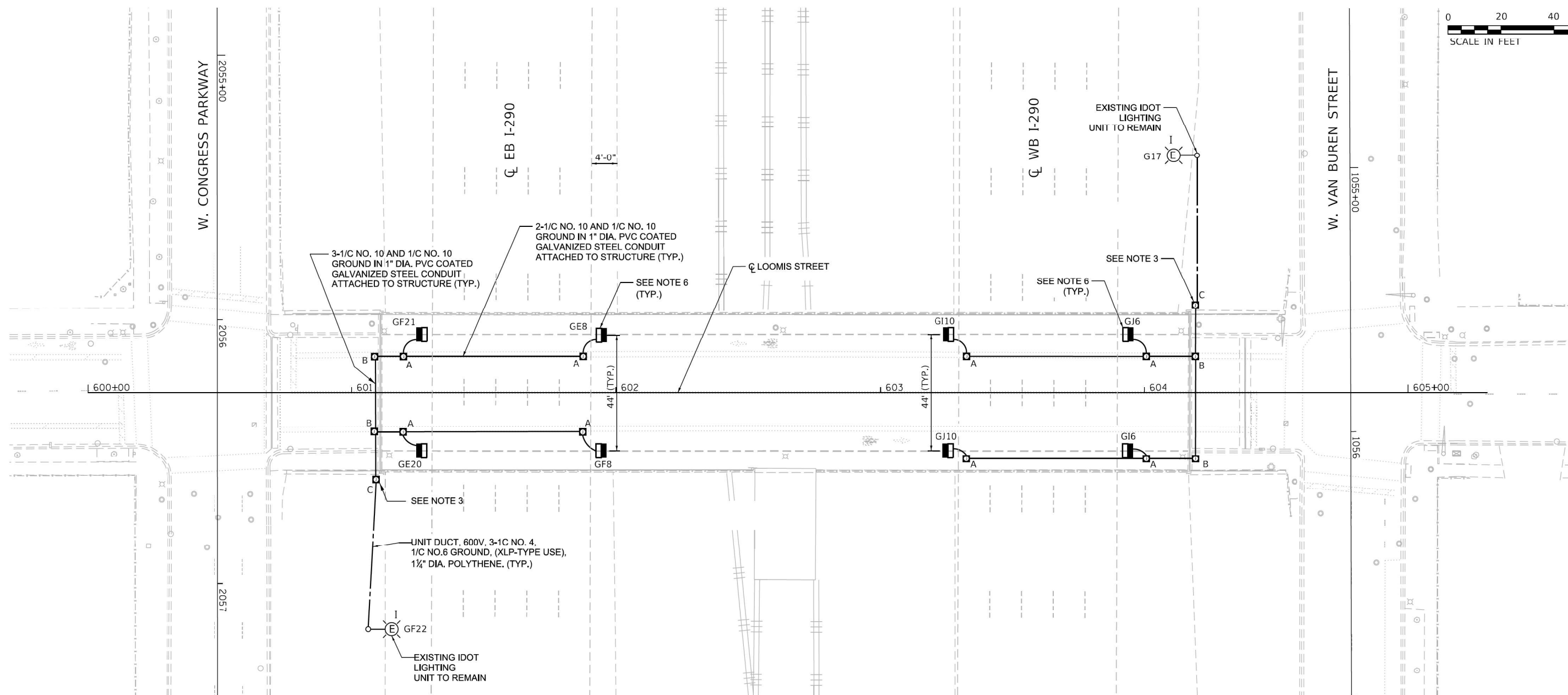
DESIGNED - KV
DRAWN - SR
CHECKED - BL
DATE - 06-04-2025

REVISED -
REVISED -
REVISED -
REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

IDOT REMOVAL UNDERPASS LIGHTING LOOMIS STREET AT I-290			
SCALE: 1" = 20'	SHEET	OF	SHEETS
STA.	TO STA.		

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2140	FAI 290 22 BRIDGE 3	COOK	161	55
CONTRACT NO. 62U12				
		ILLINOIS	FED. AID PROJECT	



LEGEND

-  PROPOSED LUMINAIRE, LED, UNDERPASS, SUSPENDED, OUTPUT DESIGNATION D (MIN. 7690 LUMENS), 240V (LINE TO NEUTRAL)
-  JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 6"x6"x4"
-  JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 12"x10"x6"
-  JUNCTION BOX, STAINLESS STEEL ATTACHED TO STRUCTURE, 18"x18"x8" WITH OVERCURRENT PROTECTION
-  CONDUIT ATTACHED TO STRUCTURE (ELECTRIC CABLE WITHIN)

NOTES:

1. THE PROPOSED UNDERPASS LUMINAIRES OVER EB I-290 SHALL BE RECONNECTED TO CIRCUITS E AND F OF CONTROLLER "G".
2. THE PROPOSED UNDERPASS LUMINAIRES OVER WB I-290 SHALL BE RECONNECTED TO CIRCUITS I AND J OF CONTROLLER "G".
3. THE PROPOSED JUNCTION BOX SHALL BE ATTACHED TO THE ABUTMENT AND INTERCEPT THE EXISTING FEED FROM CONTROLLER "G". THE JUNCTION BOX SHALL BE FURNISHED WITH 30A FUSES, FUSE HOLDERS, AND NEUTRAL SLUG INSIDE THE JUNCTION BOX.
4. FOR GENERAL NOTES AND BILL OF MATERIALS SEE SHEET EL-01.
5. SEE IDOT D1 STANDARD DETAIL BE-901.
6. SET BACK IS 4 FT. FROM THE EDGE OF PAVEMENT TO CENTER OF UNDERPASS LUMINAIRE. MOUNTING HEIGHT OF THE UNDERPASS LUMINAIRES SHALL BE 16 FT.

MODEL: Default
FILE: I:\AMEE: Projects\1082 - Phase II Loomis Racine LTG - BLADesign\SMND\EL02\12-shit-light-03.dgn

AMES Engineering, Inc.
CONSULTING ENGINEERS
6330 Belmont Road, Suite 4B
Downers Grove, IL 60516

USER NAME = mdelche	DESIGNED - KV	REVISED -
	DRAWN - SR	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED - BL	REVISED -
PLOT DATE = 9/2/2025	DATE - 06-04-2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IDOT PROPOSED UNDERPASS LIGHTING LOOMIS STREET AT I-290			
SCALE: 1" = 20'	SHEET	OF SHEETS	STA. TO STA.

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2140	FAI 290 22 BRIDGE 3	COOK	161	56
CONTRACT NO. 62U12				
ILLINOIS FED. AID PROJECT				

EL-03

MODEL: Default
FILE: I:\AME: Projects\1082 - Phase II Loomis Racine LTG - BLA\Design\IND\EL04\12-shl-light-h04.dgn

AMES Engineering, Inc.
CONSULTING ENGINEERS
6330 Belmont Road, Suite 4B
Downers Grove, IL 60516

USER NAME = mdeltshe
PLOT SCALE = 40.0000 ' / in.
PLOT DATE = 9/2/2025

DESIGNED - KV	REVISED -
DRAWN - SR	REVISED -
CHECKED - BL	REVISED -
DATE - 06-04-2025	REVISED -

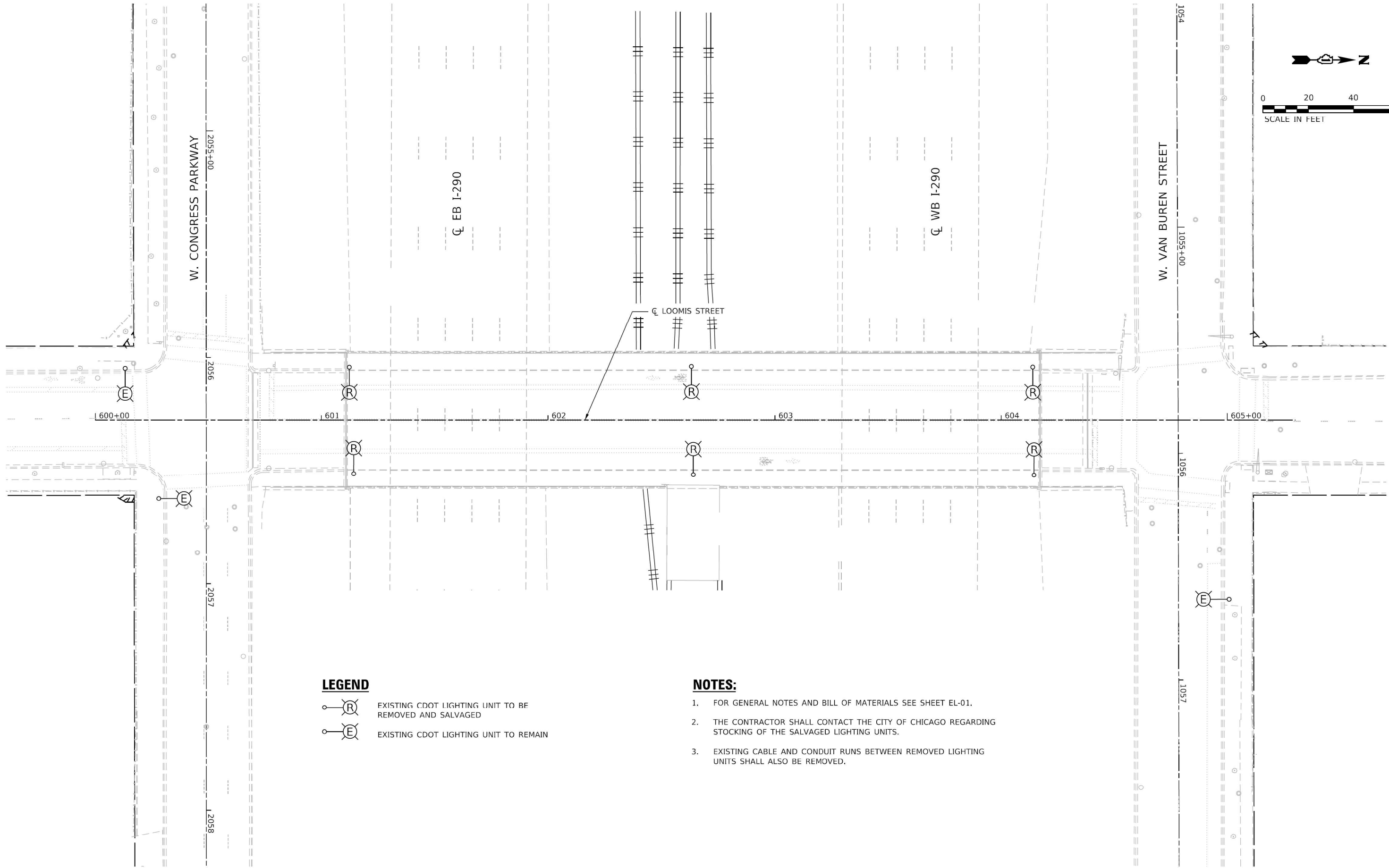
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CDOT REMOVAL LIGHTING PLAN
LOOMIS STREET AT I-290

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

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2140	FAI 290 22 BRIDGE 3	COOK	161	57
CONTRACT NO. 62U12				
ILLINOIS FED. AID PROJECT				

EL-04

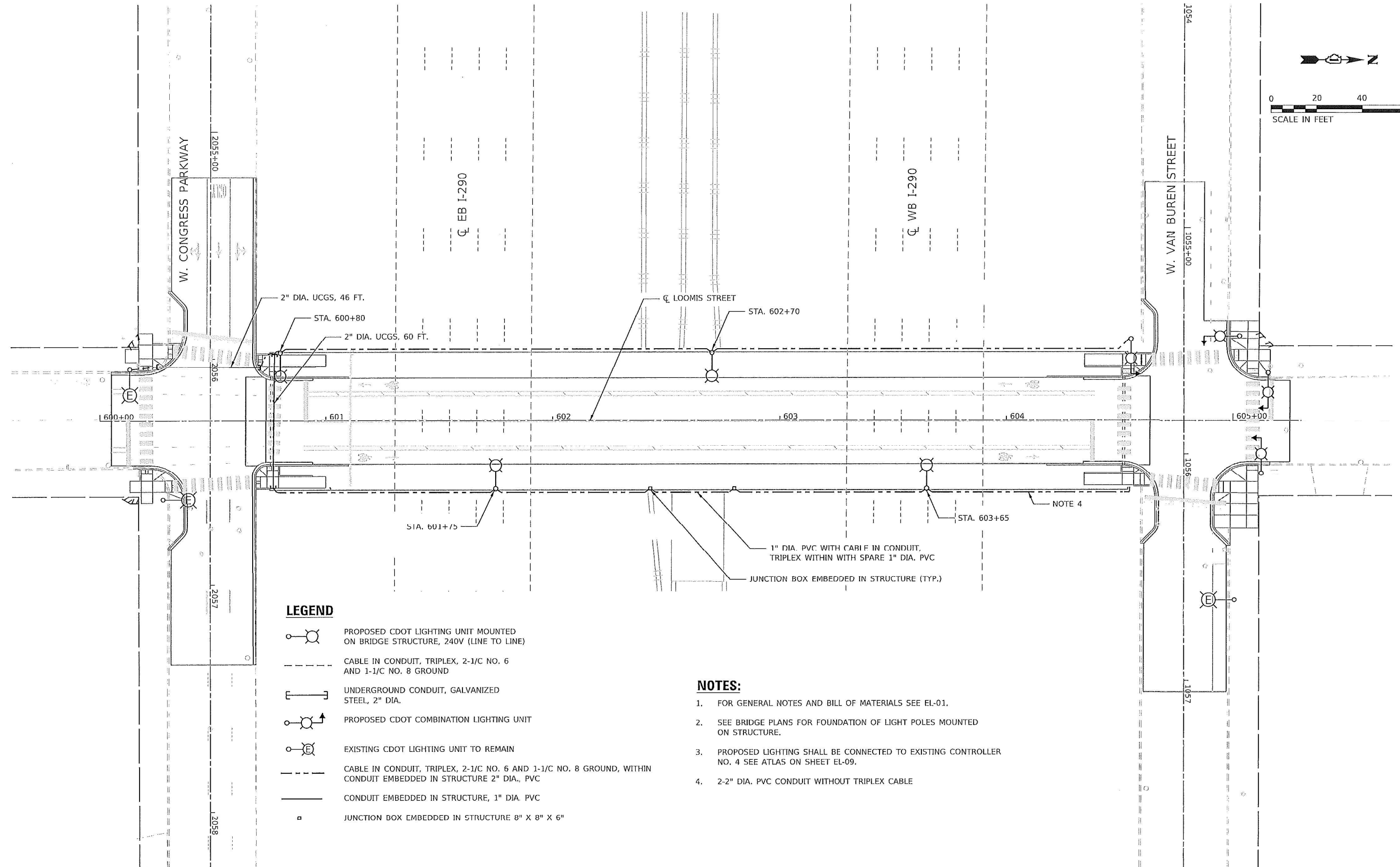
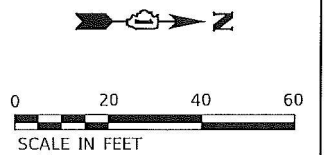


LEGEND

- EXISTING CDOT LIGHTING UNIT TO BE REMOVED AND SALVAGED
- EXISTING CDOT LIGHTING UNIT TO REMAIN

NOTES:

- FOR GENERAL NOTES AND BILL OF MATERIALS SEE SHEET EL-01.
- THE CONTRACTOR SHALL CONTACT THE CITY OF CHICAGO REGARDING STOCKING OF THE SALVAGED LIGHTING UNITS.
- EXISTING CABLE AND CONDUIT RUNS BETWEEN REMOVED LIGHTING UNITS SHALL ALSO BE REMOVED.



LEGEND

-  PROPOSED CDOT LIGHTING UNIT MOUNTED ON BRIDGE STRUCTURE, 240V (LINE TO LINE)
-  CABLE IN CONDUIT, TRIPLEX, 2-1/C NO. 6 AND 1-1/C NO. 8 GROUND
-  UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.
-  PROPOSED CDOT COMBINATION LIGHTING UNIT
-  EXISTING CDOT LIGHTING UNIT TO REMAIN
-  CABLE IN CONDUIT, TRIPLEX, 2-1/C NO. 6 AND 1-1/C NO. 8 GROUND, WITHIN CONDUIT EMBEDDED IN STRUCTURE 2" DIA., PVC
-  CONDUIT EMBEDDED IN STRUCTURE, 1" DIA. PVC
-  JUNCTION BOX EMBEDDED IN STRUCTURE 8" X 8" X 6"

NOTES:

1. FOR GENERAL NOTES AND BILL OF MATERIALS SEE EL-01.
2. SEE BRIDGE PLANS FOR FOUNDATION OF LIGHT POLES MOUNTED ON STRUCTURE.
3. PROPOSED LIGHTING SHALL BE CONNECTED TO EXISTING CONTROLLER NO. 4 SEE ATLAS ON SHEET EL-09.
4. 2-2" DIA. PVC CONDUIT WITHOUT TRIPLEX CABLE

EL-05

AMES Engineering, Inc.
CONSULTING ENGINEERS
6330 Belmont Road, Suite 4B
Downers Grove, IL 60516

USER NAME = MDETCHE
PLOT SCALE = 40.0000' / in.
PLOT DATE = 10/27/2025

DESIGNED - KV
DRAWN - SR
CHECKED - BL
DATE - 06-04-2025

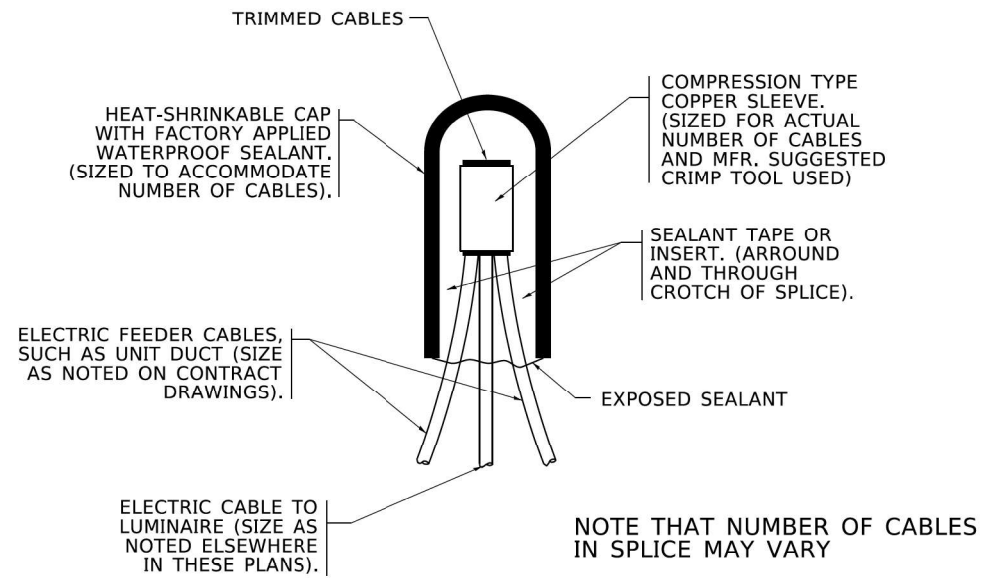
REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CDOT PROPOSED LIGHTING PLAN
LOOMIS STREET AT I-290

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

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2140	FAI 290 22 BRIDGE 3	COOK	161	58
CONTRACT NO. 62U12				
ILLINOIS FED. AID PROJECT				

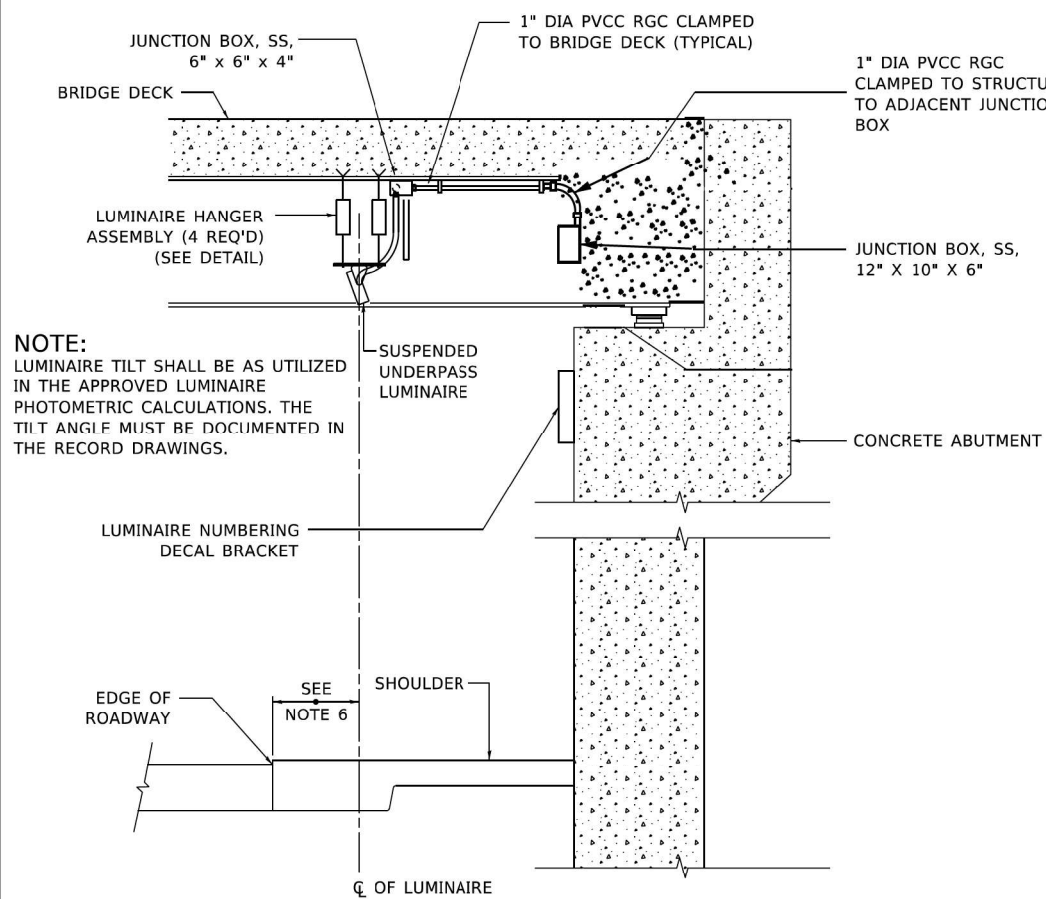


TYPICAL SPLICE DETAIL
N.T.S.

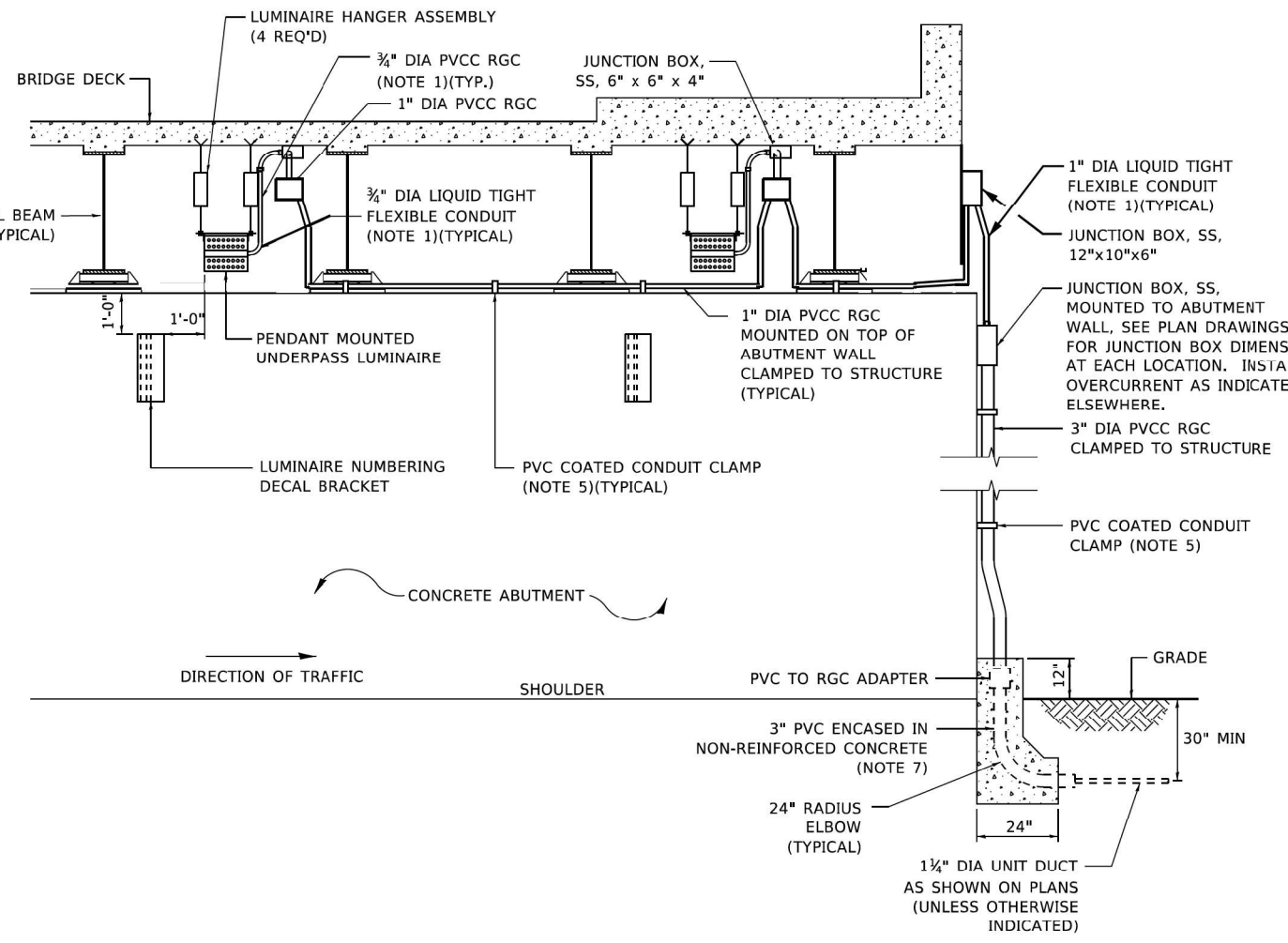
MODEL Default
FILE Name: E:\Projects\1082 - Phase II Loomis Racine LTG - BLA\Design\NDD\2U12-shldgh-06.dgn

AMES Engineering, Inc. CONSULTING ENGINEERS 6330 Belmont Road, Suite 4B Downers Grove, IL 60516													USER NAME = mdeltche		DESIGNED - KV		REVISED -		STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION				MISC. ELECTRICAL DETAILS A LOOMIS STREET AT I-290				MUN RTE.	SECTION		COUNTY	TOTAL SHEETS	SHEET NO.
PLOT SCALE = 2,000 ' / in.		CHECKED - BL		REVISED -		2140	FAI 290 22 BRIDGE 3		COOK		161	59																				
PLOT DATE = 9/2/2025		DATE - 06-04-2025		REVISED -		BE-702				CONTRACT NO. 62U12																						
						SCALE:		SHEET	OF	SHEETS	STA.	TO STA.	ILLINOIS		FED. AID PROJECT																	

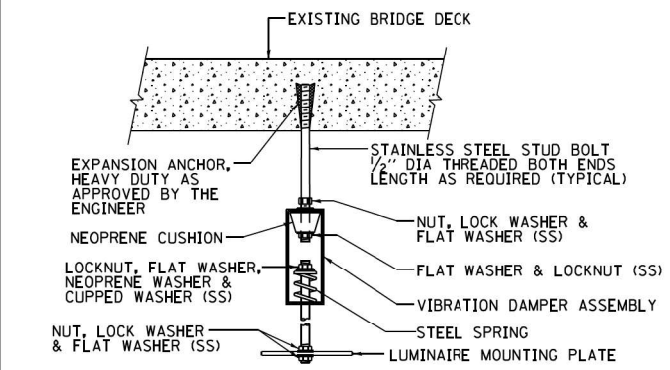
IDOT DETAILS



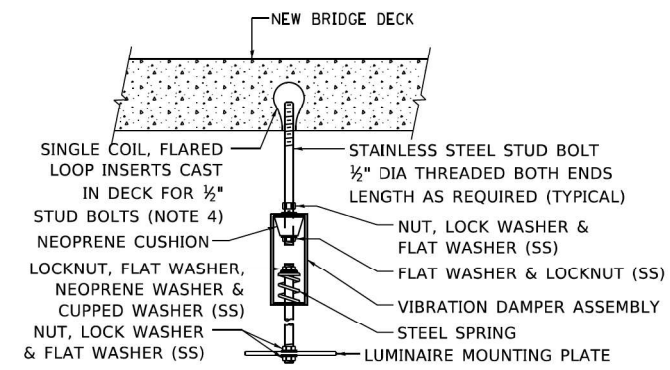
NOTE:
LUMINAIRE TILT SHALL BE AS UTILIZED IN THE APPROVED LUMINAIRE PHOTOMETRIC CALCULATIONS. THE TILT ANGLE MUST BE DOCUMENTED IN THE RECORD DRAWINGS.



- NOTES:**
1. LIQUID TIGHT FLEXIBLE METAL CONDUIT, MAXIMUM LENGTH 6'-0", TYPICAL FOR EACH INSTANCE AS SHOWN. PROVIDE PVC COATED RIGID GALVANIZED STEEL CONDUIT AS REQUIRED NOT TO EXCEED 6'-0" OF FLEXIBLE LIQUID TIGHT METAL CONDUIT. LIQUID TIGHT FLEXIBLE METAL CONDUIT WILL BE INCLUDED IN THE COST OF THE CONDUIT ATTACHED TO STRUCTURE, OF THE CORRESPONDING DIA., GALVANIZED STEEL, PVC COATED PAY ITEM EXCEPT THAT " DIA. CONDUIT AND " DIA. FLEXIBLE CONDUIT SHALL BE INCLUDED IN THE COST OF UNDERPASS LUMINAIRE INSTALLATION.
 2. SEE UNDERPASS LIGHTING PLANS FOR INSTALLATION LOCATION OF UNDERPASS LIGHTING LUMINAIRES.
 3. THE CONTRACTOR SHALL USE APPROVED SINGLE COIL FLARED LOOP INSERTS WHEN SUSPENDED MOUNTING AN UNDERPASS LUMINAIRE TO A NEW BRIDGE DECK. THE FLARED LOOP INSERTS MUST BE CAST INTO THE CONCRETE DECK. THE CONTRACTOR IS RESPONSIBLE FOR LOCATING AND COORDINATING THE INSERT LOCATIONS FOR MOUNTING THE UNDERPASS LIGHTING SYSTEM AS SHOWN ON THE PLANS WITH THE BRIDGE DECK CONTRACTOR. SEE DETAIL.
 4. THE UNDERPASS LUMINAIRE HANGER ASSEMBLY COMPLETE WITH HEAVY DUTY ANCHORS/INSERTS AND ALL APPLICABLE HARDWARE SHALL BE INCLUDED IN THE COST OF THE UNDERPASS LUMINAIRE PAY ITEM.
 5. SECURE THE CONDUIT WITH PVC COATED CONDUIT CLAMPS OR CONDUIT BEAM CLAMPS AS SHOWN AT 5'-0" INTERVALS FOR LATERALS AND WITHIN 2'-0" MAXIMUM FROM ANY JUNCTION BOX, FLEXIBLE CONDUIT, OR CHANGE IN DIRECTION. ALL PVC COATED CONDUIT CLAMPS OR BEAM CLAMPS SHALL BE INCLUDED WITH THE COST OF THE "CONDUIT ATTACHED TO STRUCTURE, OF THE CORRESPONDING DIA., GALVANIZED STEEL, PVC COATED" PAY ITEM.
 6. ALL UNDERPASS LUMINAIRES MUST BE CENTERED IN THE BEAM SPACE AS INDICATED ON THE PLANS UNLESS OTHERWISE DIRECTED BY THE ENGR. LUMINAIRE SETBACK SHALL BE AS INDICATED IN PLANS FOR EACH SPECIFIC UNDERPASS
 7. THE CONCRETE ENCASED CONDUIT TRANSITION SHALL BE INCLUDED IN THE COST OF THE GALVANIZED RIGID STEEL CONDUIT PAY ITEMS.
 8. ALL UNDERPASS LIGHTING CONDUIT ATTACHED TO STRUCTURE SHALL BE PVC COATED RIGID CONDUIT (PVCC RGC) TYPICAL.
 9. IN NO INSTANCE SHALL ANY UNDERPASS LUMINAIRE OR ANY OTHER ELECTRICAL EQUIPMENT BE INSTALLED BELOW THE ELEVATION OF THE BOTTOM OF THE BRIDGE BEAM WHEN OVER ANY PAVEMENT (ROADWAY OR SHOULDER).

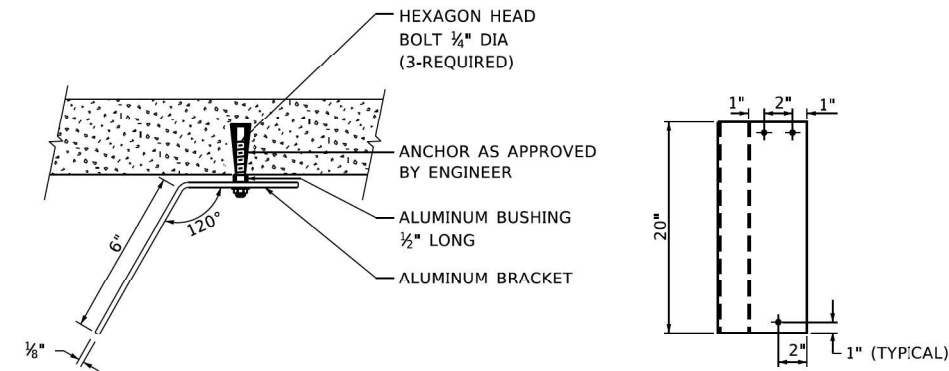


EXISTING BRIDGE DECK INSTALLATION

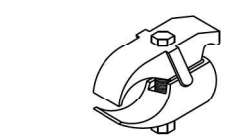


NEW BRIDGE DECK INSTALLATION

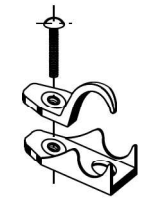
TYPICAL LUMINAIRE HANGER ASSEMBLY DETAILS



LUMINAIRE NUMBERING DECAL BRACKET
NOT TO SCALE



PVC COATED CONDUIT BEAM CLAMP
NOT TO SCALE



PVC COATED CONDUIT CLAMP
NOT TO SCALE

IDOT DETAILS

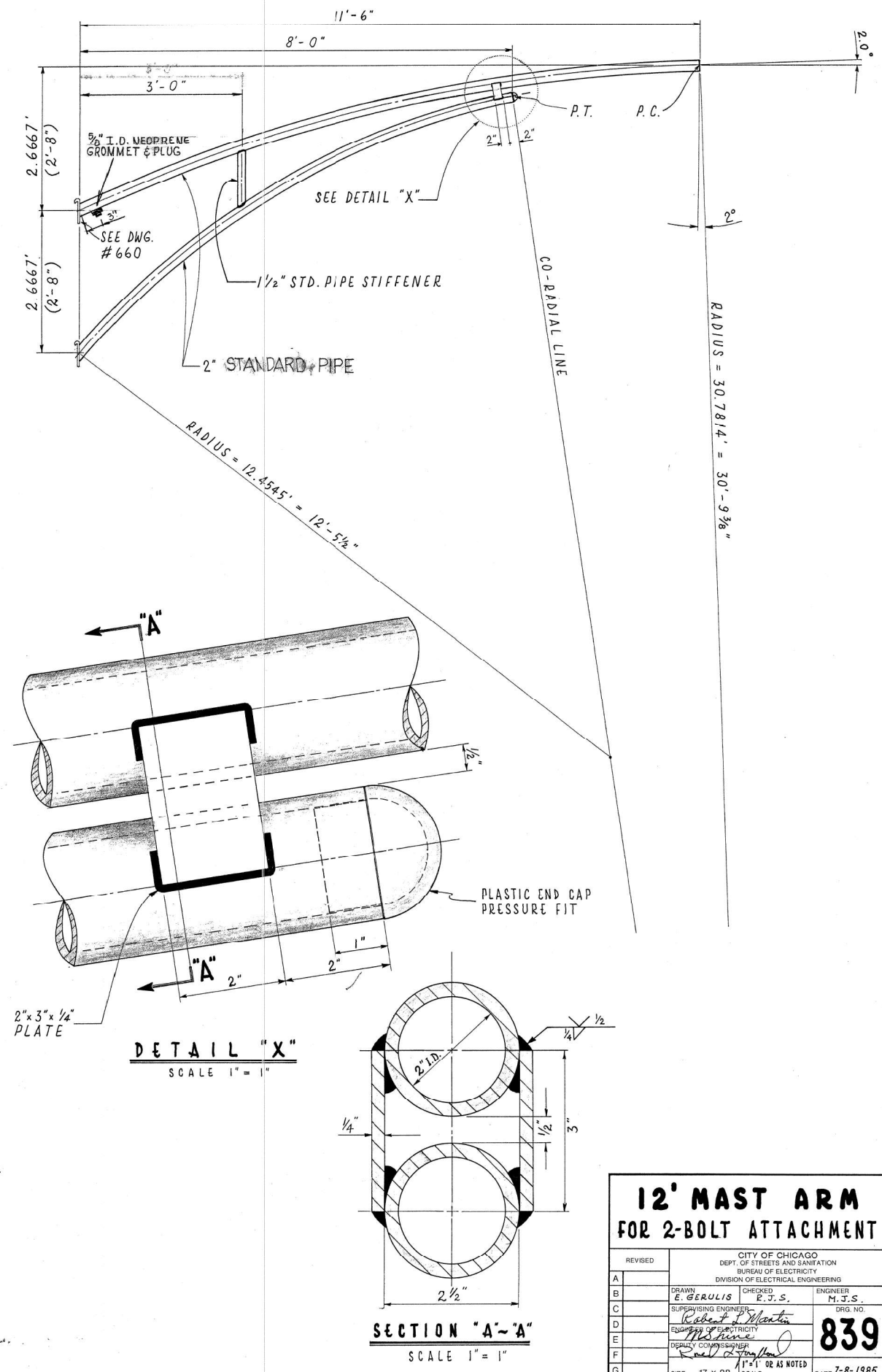
MODEL: Default
FILE: ILM-ET-17-000-1082 - Phase II Loomis Racine, IL - BLADesign\SHND\2012-01-10-10-07.dgn

AMES Engineering, Inc. CONSULTING ENGINEERS 6330 Belmont Road, Suite 4B Downers Grove, IL 60516	USER NAME = mdeltsche	DESIGNED - KV	REVISED -
	PLOT SCALE = 2,000' = 1"	DRAWN - SR	REVISED -
	PLOT DATE = 9/2/2025	CHECKED - BL	REVISED -
		DATE - 06-04-2025	REVISED -

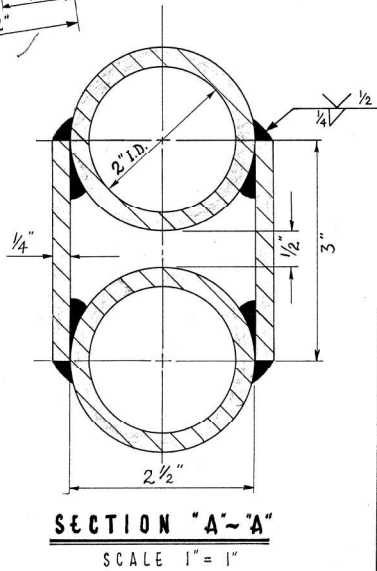
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUSPENDED MOUNT LED UNDERPASS LUMINAIRE INSTALLATION DETAILS				
LOOMIS STREET AT I-290				
SCALE:	SHEET	OF	SHEETS	STA. TO STA.

MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2140	FAI 290 22 BRIDGE 3	COOK	161	60
BE-901 (MODIFIED)		CONTRACT NO. 62U12		
	ILLINOIS	FED. AID PROJECT		



DETAIL "X"
SCALE 1" = 1"



SECTION "A-A"
SCALE 1" = 1"

12' MAST ARM FOR 2-BOLT ATTACHMENT

REVISED	CITY OF CHICAGO DEPT. OF STREETS AND SANITATION BUREAU OF ELECTRICITY DIVISION OF ELECTRICAL ENGINEERING	
A	DRAWN E. GERULIS	CHECKED P.J.S.
B	ENGINEER M.J.S.	
C	SUPERVISING ENGINEER Robert J. Carter	
D	ELECTRICIAN Robert J. Carter	
E	DEPUTY COMMISSIONER Robert J. Carter	
F	DATE: 7-8-1985	
G	SIZE: 17 x 28 SCALE: 1" = 1"	

839

3.95"x8.5" STEEL/32'-6" POLE 7 GAUGE

CITY OF CHICAGO
DEPT. OF STREETS AND SANITATION
BUREAU OF ELECTRICITY
DIVISION OF ELECTRICAL ENGINEERING

DESIGNED BY: **ROBERT J. CARTER**
SUPERVISING ENGINEER: **ROBERT J. CARTER**
ELECTRICIAN: **ROBERT J. CARTER**
DEPUTY COMMISSIONER: **ROBERT J. CARTER**

DWG. NO. **762**
10-03-01

INSTALLATION NOTES

- STEP 1: COAT EXPOSED PORTION OF ANCHOR BOLTS WITH APPROVED ANTI-RUSTING GREASE ("NO-3" OR EQUAL).
- STEP 2: INSTALL LOWER LEVEL NUTS & WASHERS SET AT PROPER GRADE WITH HAND LEVEL. USE TABLE FOR APPROPRIATE DIMENSIONS.
- STEP 3: MOUNT POLE OR PEDESTAL ATTACH BY WASHERS & NUTS HAND TIGHT.
- STEP 4: PLUMB POLE OR PEDESTAL AFTER ALL MASTARMS, STREET LIGHTS, TRAFFIC SIGNALS & OTHER APPURTENANCES ARE ATTACHED TO POLE & TIGHTEN ALL NUTS.
- STEP 5: ATTACH NOT COVERS WHERE REQUIRED.
- STEP 6: DO NOT GROUT IN SPACE BETWEEN BOTTOM OF POLE & TOP OF FOUNDATION. TOP OF FOUNDATION OR SLABFACE OF SIDEWALK MUST BE LEFT CLEAN AND SMOOTH.
- STEP 7: POLE OR PEDESTAL IS TO BE PERFECTLY PLUMB, NO "RAKE" IS TO BE LEFT.

IF NECESSARY:
ANCHOR BOLT TO BE TRIMMED WITH SAW, DO NOT BURN, AS THIS PRACTICALLY REDUCES THE TENSILE STRENGTH OF ANCHOR BOLT.
COAT ANCHOR BOLT WITH RUST-OLEUM HARD HAT ZINC RICH COMPOUND.

NOTE:
BOLT COVER NOT SHOWN

CONSTRUCTION METHOD FOR "DOUBLE-NUT" INSTALLATION OF POLES AND PEDESTALS

CITY OF CHICAGO
DEPT. OF STREETS AND SANITATION
BUREAU OF ELECTRICITY
DIVISION OF ELECTRICAL ENGINEERING

DESIGNED BY: **E. GERULIS**
SUPERVISING ENGINEER: **E. GERULIS**
ELECTRICIAN: **E. GERULIS**
DEPUTY COMMISSIONER: **E. GERULIS**

DWG. NO. **837**
10-03-01

AMES Engineering, Inc. CONSULTING ENGINEERS 6330 Belmont Road, Suite 4B Downers Grove, IL 60516	USER NAME = mdeluche	DESIGNED - KV	REVISED -
	PLOT SCALE = 2,000' / in.	DRAWN - SR	REVISED -
	PLOT DATE = 9/2/2025	CHECKED - BL	REVISED -
		DATE - 06-04-2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CDOT STANDARD 12' MAST ARM AND INSTALLATION POLE DETAILS			
SCALE:	SHEET	OF	SHEETS
		STA.	TO STA.

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2140	FAI 290 22 BRIDGE 3	COOK	161	61
CONTRACT NO. 62U12				
ILLINOIS FED. AID PROJECT				

EL-08

District 7
Atlas M-23

Light Fixtures

- Cobrahead
- Piggy-Back
- Flood
- Aviation / Other / Null

Light Structures

- ◆ Alley
- Private
- Street
- × Viaduct

Ornamental Styles

- Single-Mast Gateway
- Double-Mast Gateway
- Single Post-Top Acorn
- Double Post-Top Acorn
- Multiple Post-Top Acorn
- ⊕ Six-Globe Pendant

Circuitry

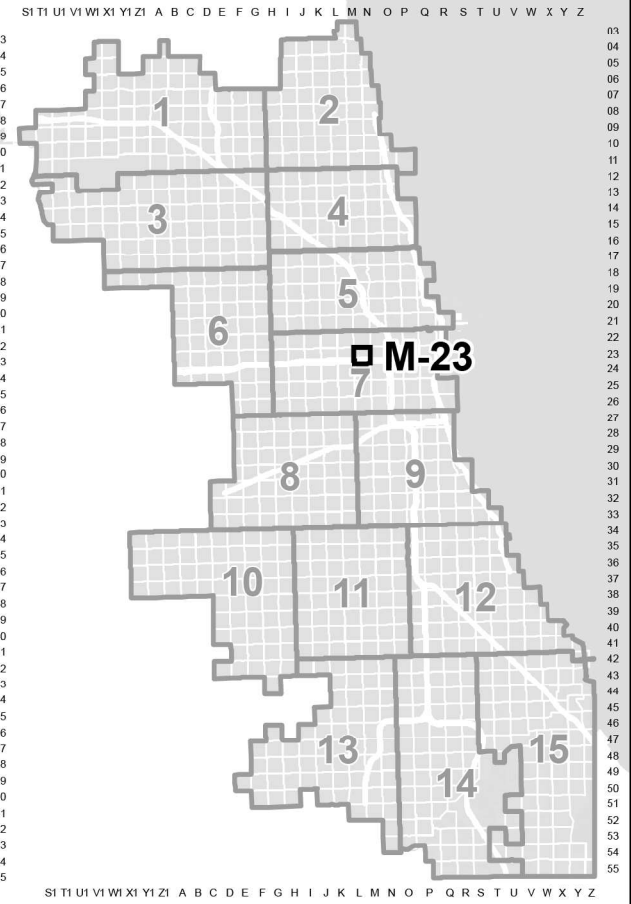
- Segment
- - - Feed
- Ⓜ Controller
- ⊗ Service

Chicago Department of Transportation (CDOT)
Division of Electrical Operations (DEO)
and Globetrotters Engineering Corporation (GEC)

Data Sources:
CDOT-DEO SDE Geodatabase, Feb. 2, 2023
Street Light Vision, Feb. 2, 2023

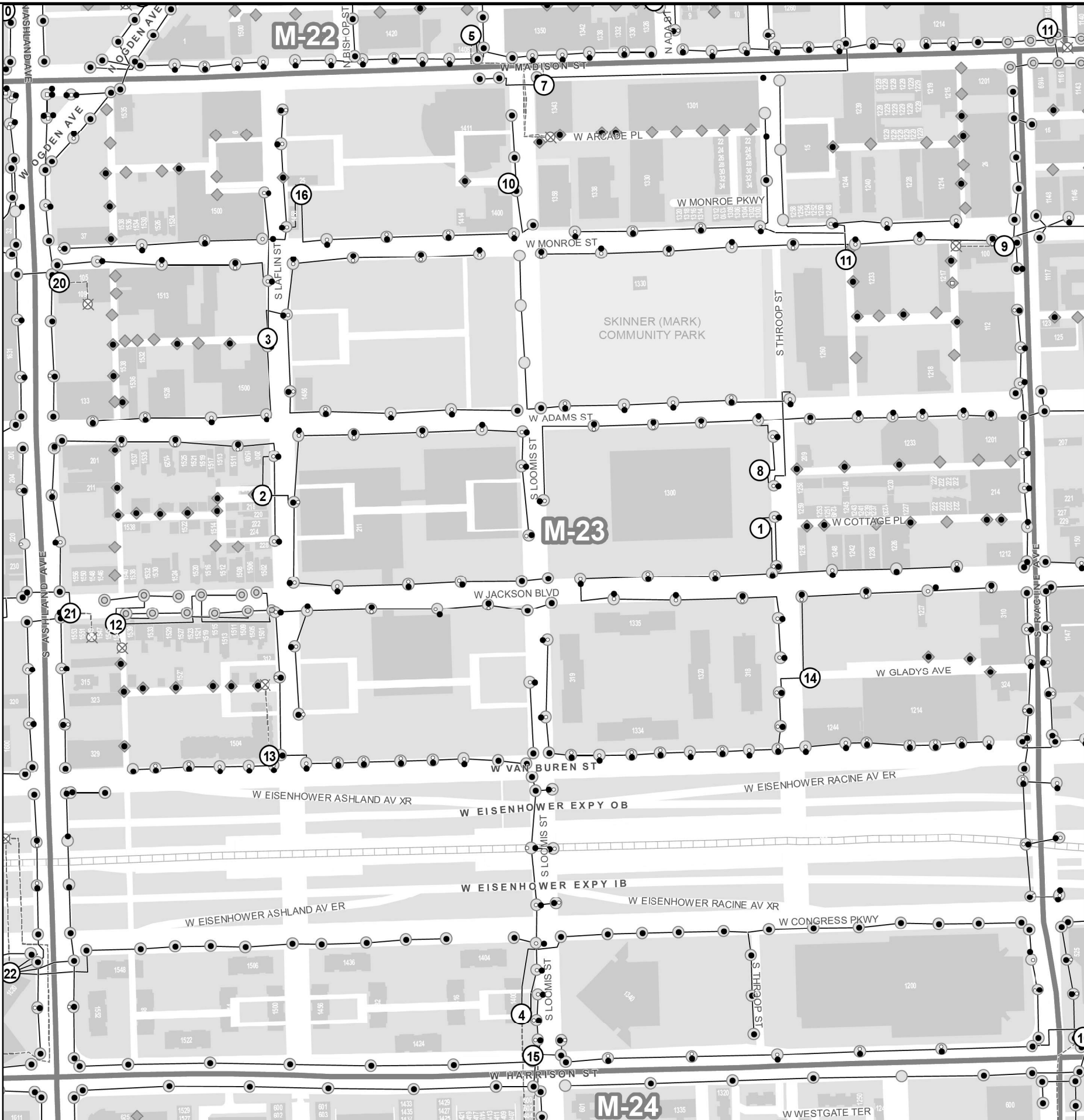
0 200 Feet

N



FOR INFORMATION ONLY

EL-09



AMES Engineering, Inc.
CONSULTING ENGINEERS
6330 Belmont Road, Suite 4B
Downers Grove, IL 60516

USER NAME = mdelteche
PLOT SCALE = 2,000' / in.
PLOT DATE = 9/2/2025

DESIGNED - KV
DRAWN - SR
CHECKED - BL
DATE - 06-04-2025

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ATLAS M-23
DISTRICT 7

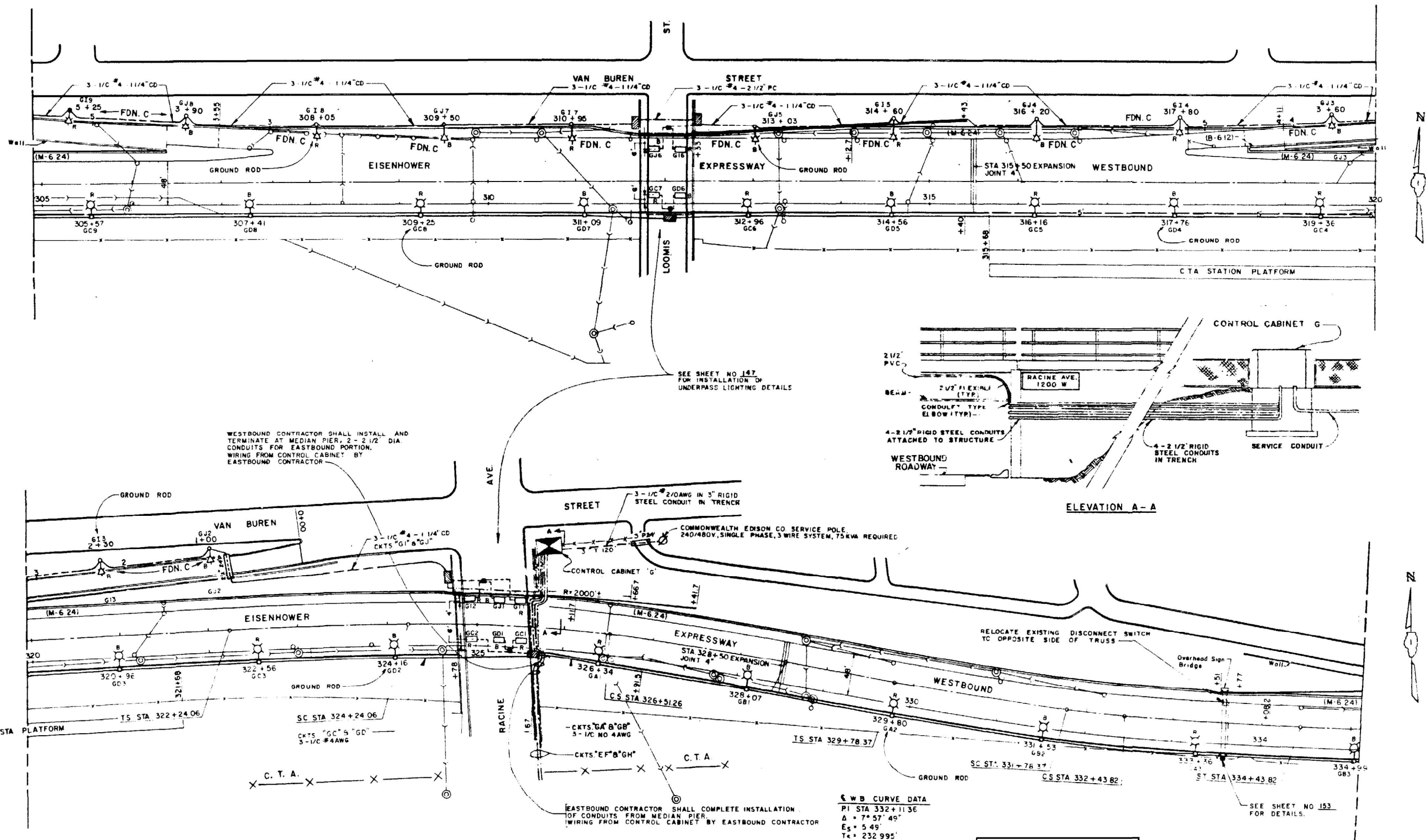
SCALE: SHEET OF SHEETS STA. TO STA.

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2140	FAI 290 22 BRIDGE 3	COOK	161	62
CONTRACT NO. 62U12				
ILLINOIS FED. AID PROJECT				



EL-10

MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2140	FAI 290 22 BRIDGE 3	COOK	161	63
		CONTRACT NO. 62U12		
ILLINOIS		FED. AID PROJECT		



IDOT LIGHTING AS-BUILT
FOR INFORMATION ONLY

EL-11

AMES Engineering, Inc.
CONSULTING ENGINEERS
6330 Belmont Road, Suite 4B
Downers Grove, IL 60516

USER NAME = mdelche
DESIGNED - KV
DRAWN - SR
CHECKED - BL
DATE - 06-04-2025
PLOT SCALE = 2,000' / in.
PLOT DATE = 9/2/2025

REVISED -
REVISED -
REVISED -
REVISED -

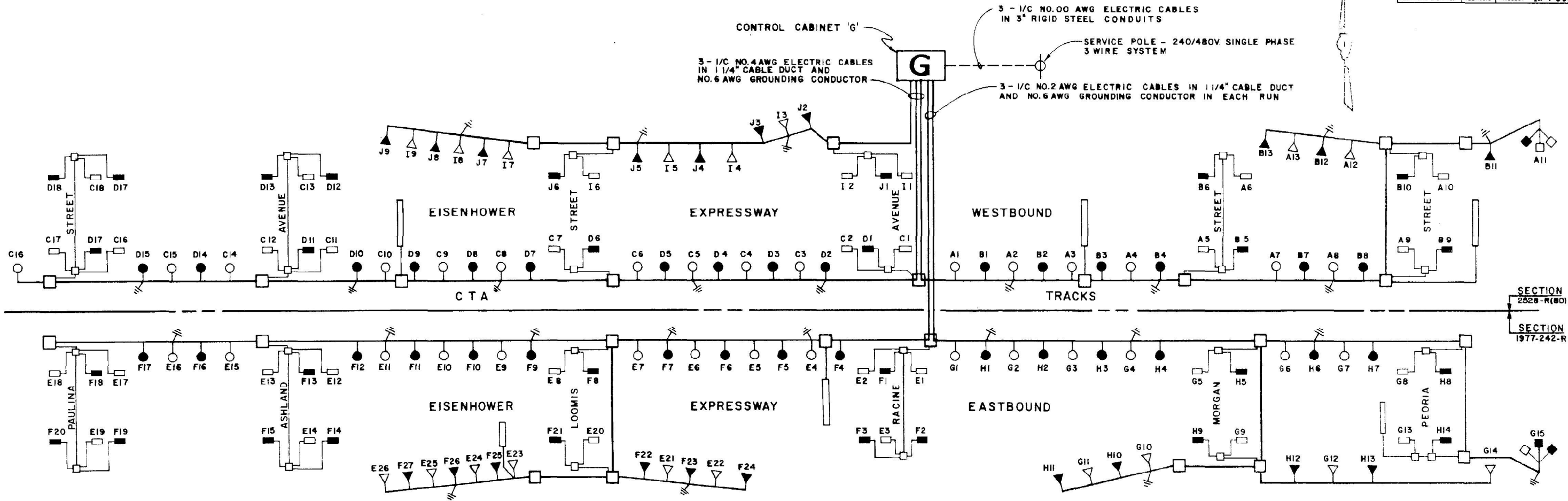
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

I-290 AT LOOMIS STREET

SCALE: SHEET OF SHEETS STA. TO STA.

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2140	FAI 290 22 BRIDGE 3	COOK	161	64
CONTRACT NO. 62U12				
ILLINOIS FED. AID PROJECT				

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-290	1977-242-R	COOK	197	137
FED. ROAD DIST. NO.	ILLINOIS	PROJECT -	12-1-1980-41	



SYMBOLS

- 3-1/C NO. 2 OR 4 AWG ELECTRIC CABLES IN 1-1/4" CABLE DUCT AND NO. 6 AWG GROUNDING CONDUCTOR
- 3-1/C NO. 10 AWG ELECTRIC CABLES IN 1" CONDUIT
- 400 WHPS, M-C-III, LUMINAIRE ON RED CABLE
- 400 WHPS, M-C-III, LUMINAIRE ON BLACK CABLE
- 200 WHPS, M-C-III, LUMINAIRE ON RED CABLE
- 200 WHPS, M-C-III, LUMINAIRE ON BLACK CABLE
- 55 WLPS, UNDERPASS LUMINAIRE ON RED CABLE
- 55 WLPS, UNDERPASS LUMINAIRE ON BLACK CABLE
- JUNCTION BOX FOR UNDERPASS LUMINAIRES - 6" x 6" x 12"
- JUNCTION BOX FOR UNDERGROUND DISTRIBUTION - 10" x 18" x 18"
- LIGHTED SIGN PANEL WITH 3-1/C NO. 4 AWG ELECTRIC CABLES IN 1-1/4" CABLE DUCT AND NO. 6 AWG GROUNDING CONDUCTOR IN TRENCH
- GROUND ROD

IDOT LIGHTING AS-BUILT
FOR INFORMATION ONLY

EL-12

ILLINOIS DEPARTMENT OF TRANSPORTATION
FAI ROUTE 290
EISENHOWER EXPRESSWAY
WIRING DIAGRAM FOR CONTROL
CABINET 'G' AT RACINE AVE.

SCALE: NONE
DATE: AUG. 1983
DRAWN BY: MM
CHECKED BY: RHF

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2140	FAI 290 22 BRIDGE 3	COOK	161	65
CONTRACT NO. 62U12				
ILLINOIS FED. AID PROJECT				

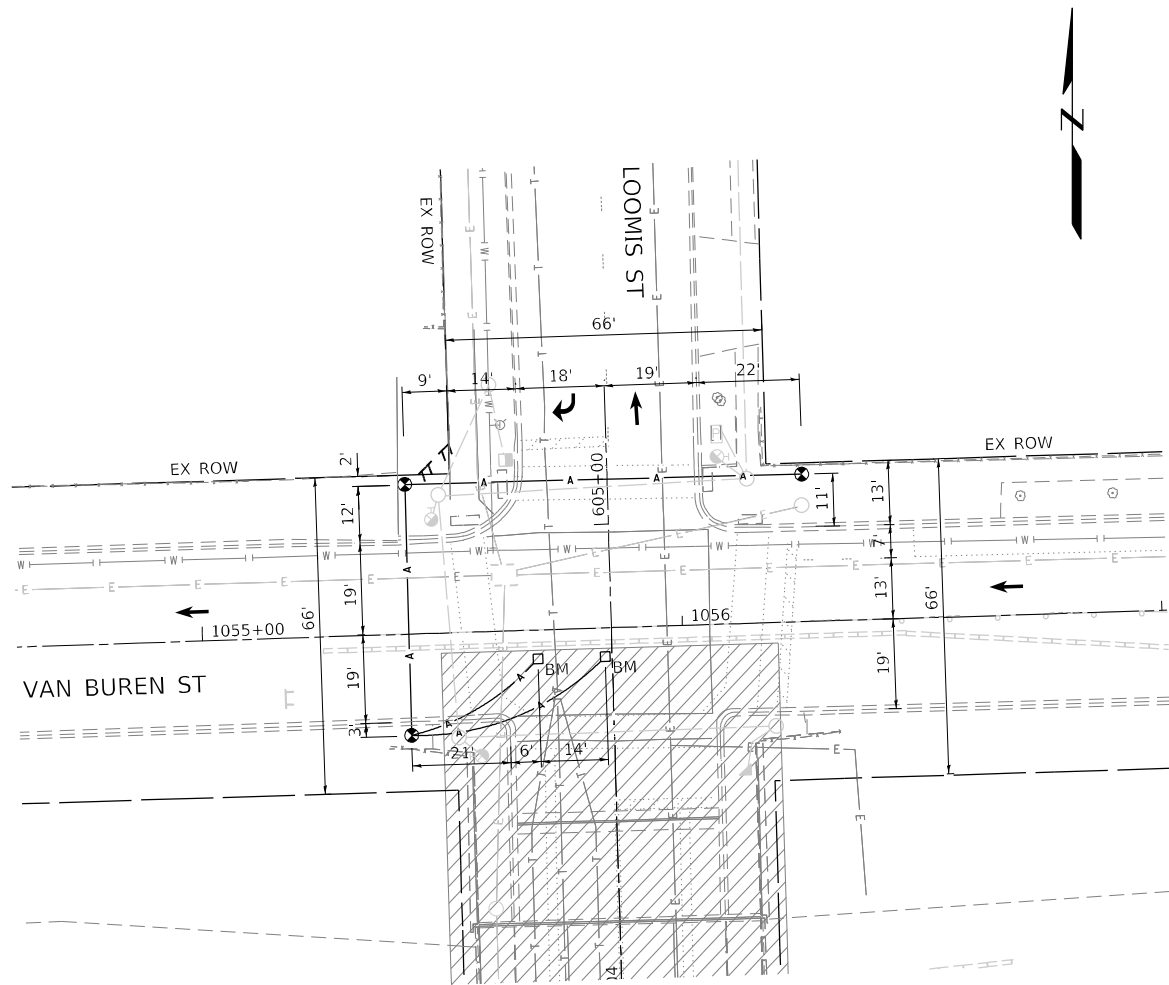
SCALE: SHEET OF SHEETS STA. TO STA.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

I-290 AT LOOMIS STREET

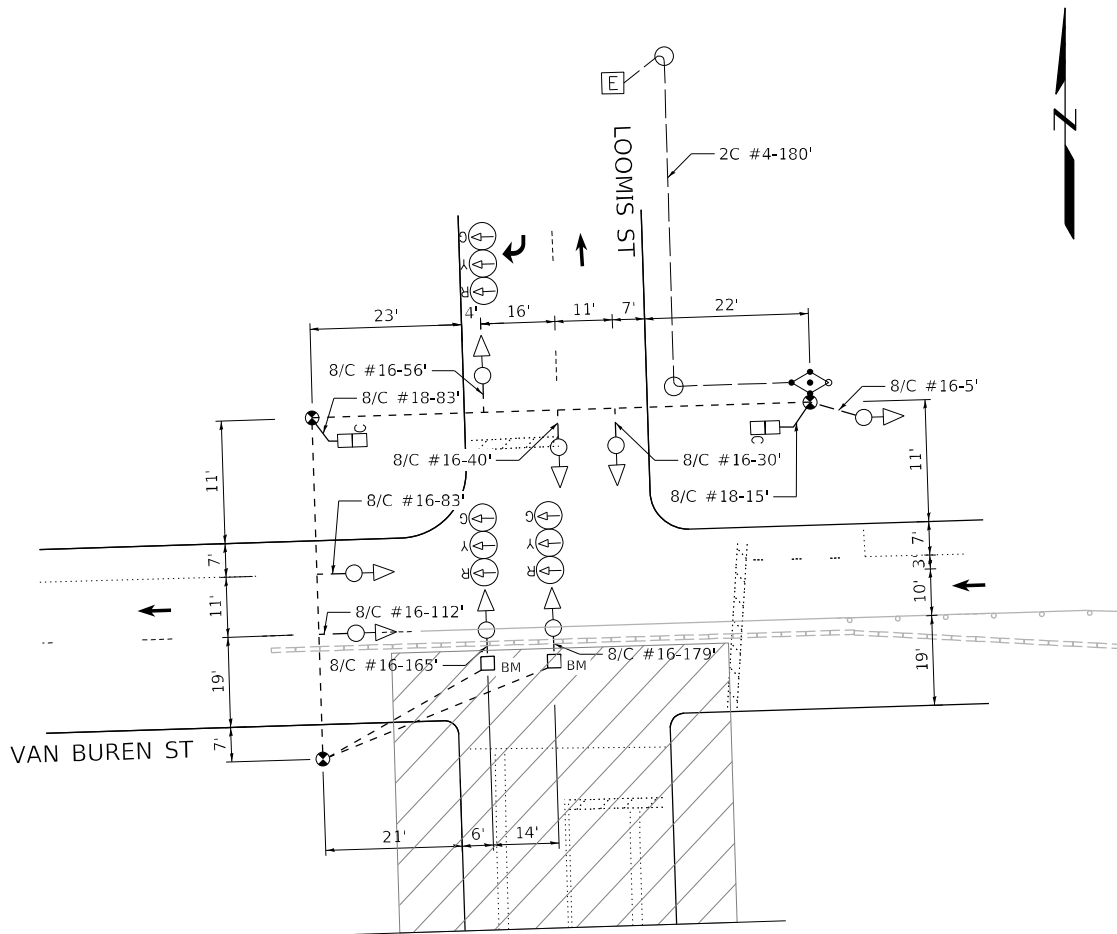
AMES Engineering, Inc.
CONSULTING ENGINEERS
6330 Belmont Road, Suite 4B
Downers Grove, IL 60516

USER NAME = mdeltsche	DESIGNED - KV	REVISED -
	DRAWN - SR	REVISED -
PLOT SCALE = 2,000' / in.	CHECKED - BL	REVISED -
PLOT DATE = 9/2/2025	DATE - 06-04-2025	REVISED -



TEMPORARY FOUNDATION AND CONDUIT PLAN

SCALE: 1"=20'



TEMPORARY SIGNAL AND CABLE PLAN

SCALE: 1"=20'

LEGEND

- ▷ PROPOSED TRAFFIC SIGNAL HEAD
- C PROPOSED COUNTDOWN PEDESTRIAN SIGNAL
- BM BARREL-MOUNTED TRAFFIC SIGNAL POST
- ⊙ TEMPORARY WOOD POLE

TEMPORARY SIGNAL INSTALLATION NOTES:

1. TEMPORARY WOOD POLES TO BE CLASS 5 OR BETTER AND 45' MINIMUM HEIGHT.

A				
DATE		REVISION		
SUPERSEDES DWG. # 22767 DATED 6/27/1966				
TRAFFIC CONTROL SIGNALS S, LOOMIS ST. & W. VAN BUREN ST.				
CITY OF CHICAGO DEPT. OF TRANSPORTATION DIVISION OF ELECTRICAL OPERATIONS				
DRAFTSMAN: DTJ		CHIEF DRAFTSMAN:	ENGINEER: DTJ	
SUPERVISING ENGINEER: JMV		DWG. NO. 14616T		
ENGINEER OF ELECTRICITY:				
GEN'L SUPT. OF CONSTRUCTION:				
DEPUTY COMMISSIONER:				
SIZE:		SCALE: AS NOTED	DATE: 9/5/2025	
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	FAI 290 22 BRIDGE 3	COOK	161	66
		CONTRACT NO. 62U12		
		ILLINOIS FED. AID PROJECT		

USER NAME = Electrical	DESIGNED - DTJ	REVISED -
	DRAWN - AM	REVISED -
PLOT SCALE = 40,0000 * / in.	CHECKED - JMV	REVISED -
PLOT DATE = 10/31/2025	DATE - 9/5/2025	REVISED -

LOOMIS STREET AT I-290 TEMPORARY TRAFFIC SIGNAL INSTALLATION			
SCALE: 1" = 20'	SHEET	OF SHEETS	STA. TO STA.

DIAL	CYCLE LENGTH	OFFSET	TIMES OF OPERATION	FLASH OPERATION
1	65"	32"	ALL OTHER TIMES	RØ2, RØ6, RØ8
2	100"	27"	6:00 AM TO 10:00 AM MONDAY - FRIDAY	ALL ARROWS AND WALK/DON'T WALK OFF
3	100"	27"	3:00 PM TO 7:00 PM MONDAY - FRIDAY	START UP FROM FLASH: 6" OF ALL RED, THEN GREEN FOR Ø2 & Ø6
4				

DIAL 1

PHASE NUMBER	1	2	3	4	5	6	7	8
DIRECTION	SBLT	NB	WBLT	EB	NBLT	SB	EBLT	WB
MIN GREEN								
VEHICLE EXT.								
MAX GREEN		44				44		30
TRAILING GREEN								
YELLOW CHANGE		3				3		3
RED CLEARANCE		2				2		2
WALK		36				36		12
PED CLEARANCE		11				11		21
SPLITS		52				52		38
SEQUENCE								
ADVANCE PED(LPI)		3				3		3
HOLDING PED(LAG PED)								
RECALL		COORD				COORD		MAX
DET. NON-LOCK								
FORCE MODE	N/A							

DIAL 2

PHASE NUMBER	1	2	3	4	5	6	7	8
DIRECTION	SBLT	NB	WBLT	EB	NBLT	SB	EBLT	WB
MIN GREEN								
VEHICLE EXT.								
MAX GREEN		48				48		36
TRAILING GREEN								
YELLOW CHANGE		3				3		3
RED CLEARANCE		2				2		2
WALK		40				40		18
PED CLEARANCE		11				11		21
SPLITS		56				56		44
SEQUENCE								
ADVANCE PED(LPI)		3				3		3
HOLDING PED(LAG PED)								
RECALL		COORD				COORD		MAX
DET. NON-LOCK								
FORCE MODE	N/A							

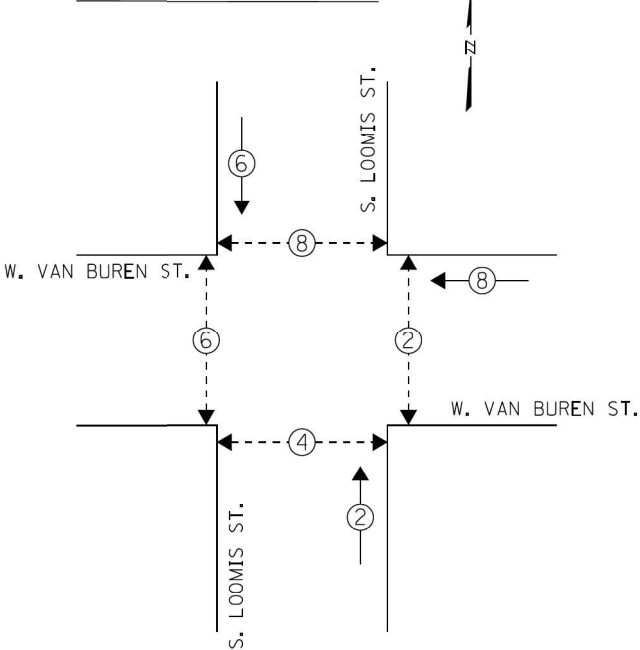
DIAL 3

PHASE NUMBER	1	2	3	4	5	6	7	8
DIRECTION	SBLT	NB	WBLT	EB	NBLT	SB	EBLT	WB
MIN GREEN								
VEHICLE EXT.								
MAX GREEN		52				52		32
TRAILING GREEN								
YELLOW CHANGE		3				3		3
RED CLEARANCE		2				2		2
WALK		44				44		14
PED CLEARANCE		11				11		21
SPLITS		60				60		40
SEQUENCE								
ADVANCE PED(LPI)		3				3		3
HOLDING PED(LAG PED)								
RECALL		COORD				COORD		MAX
DET. NON-LOCK								
FORCE MODE	N/A							

TIMINGS TO BE UPDATED
UPON APPROVAL OF
TEMPORARY TSR

CITY OF CHICAGO DEPARTMENT OF TRANSPORTATION DIVISION OF TRAFFIC SAFETY	
TEMPORARY TRAFFIC SIGNAL TIMING SCHEDULE	
S. LOOMIS STREET AT W. VAN BUREN STREET	
CONSULTANT FIRM NAME/ ADDRESS CiorbaGroup 8725 W. Higgins Rd, Ste 600, Chicago, IL 60631 P 773.775.4009 www.ciorba.com	400 S./1400 W.
DESIGNED BY: <i>Vanessa Zaldivar</i>	DESIGNED BY:
VANESSA ZALDIVAR	TRAFFIC ENGINEER
APPROVED BY: <i>Joseph Vondra</i>	REVIEWED BY:
JOSEPH VONDRA	TRAFFIC ENGINEER
DATE: 10-27-2025	DATE:
SHEET: 1 OF 1	SENT: INSTALLED:

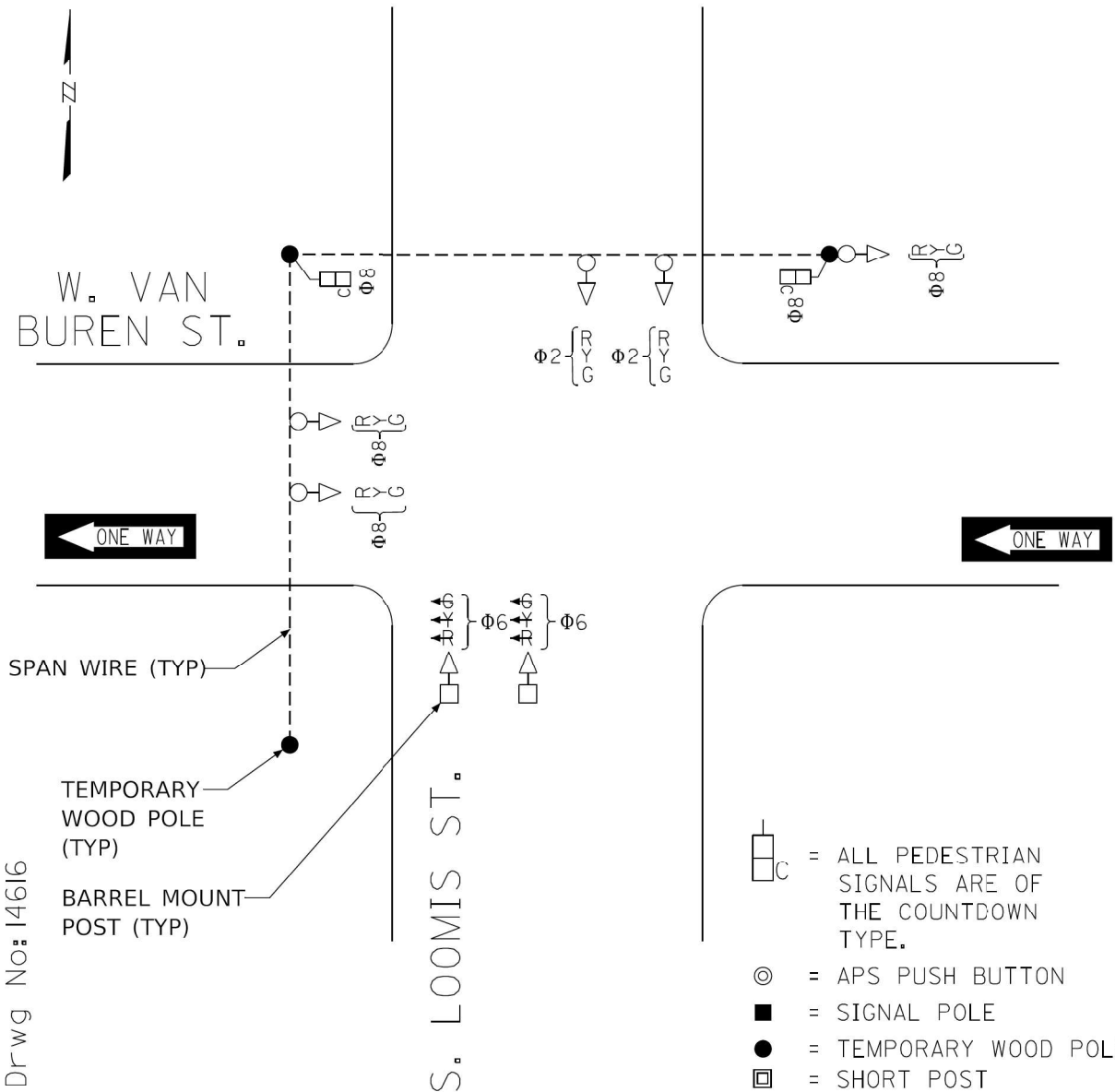
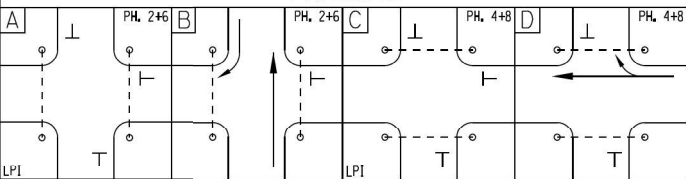
CONTROLLER SEQUENCE



LEGEND

- DUAL ENTRY PHASE
- SINGLE ENTRY PHASE
- OVERLAP
- PEDESTRIAN PHASE
- NUMBER REFERS TO ASSOCIATED PHASE
- COORDINATED PHASE

PHASING



S. LOOMIS ST. & W. VAN BUREN ST.
TEMPORARY TRAFFIC SIGNAL TIMING

USER NAME = Electrical	DESIGNED - DTJ	REVISED -
DRAWN - AM	REVISED -	
PLOT SCALE = 40,0000' / in.	CHECKED - JMV	REVISED -
PLOT DATE = 10/31/2025	DATE - 9/5/2025	REVISED -

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	FAI 290 22 BRIDGE 3	COOK	161	66A
CONTRACT NO. 62U12				
ILLINOIS FED. AID PROJECT				

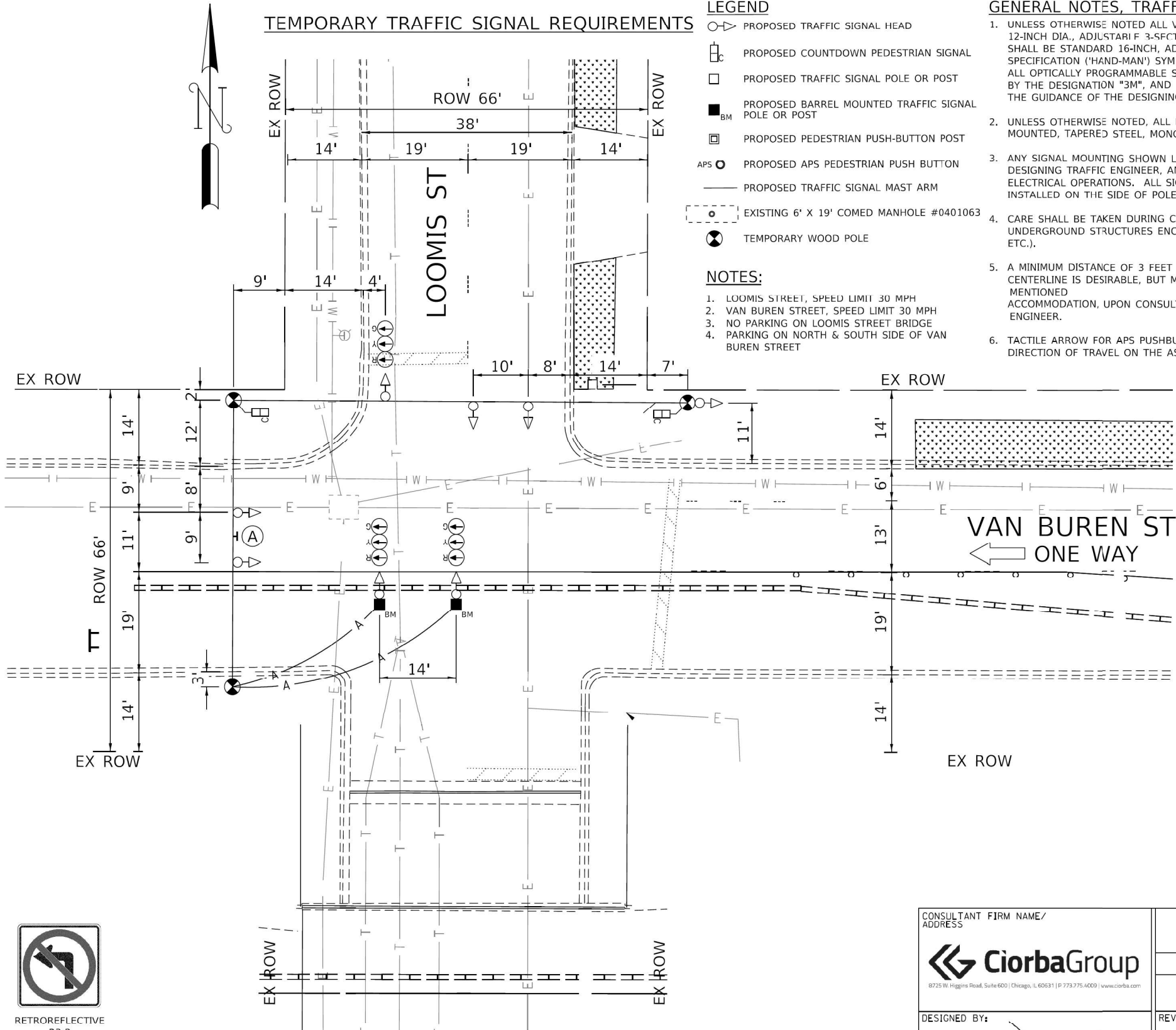
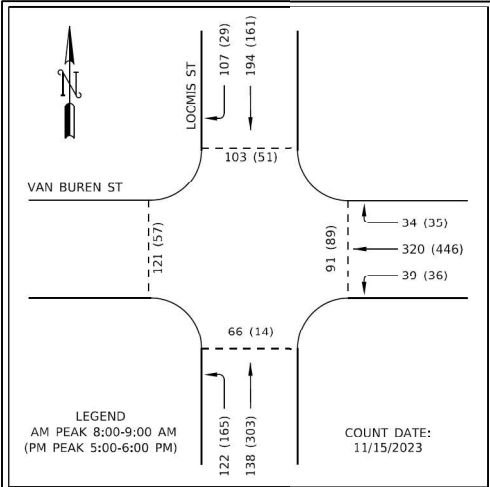
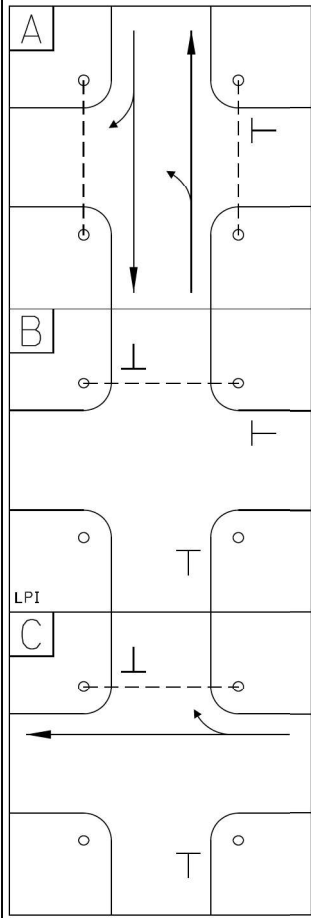
DATE PLOTTED = 10/31/2025 2:31:23 PM
PEN TABLE = 00215500.tbl
PLOT CONFIG = CG-PDF.plt
MODEL = MOD155001
FILE NAME = R:\PROJECTS\2025\01\CA005\ShtSignal\0162012-sh-1511-TempTSR.dgn

USER NAME	= Electrical
DESIGNED -	DTJ
DRAWN -	AM
CHECKED -	JMV
DATE -	9/5/2025
PLOT SCALE	= 40,0000 "/in.
PLOT DATE	= 10/31/2025

DESIGNED -	DTJ
DRAWN -	AM
CHECKED -	JMV
DATE -	9/5/2025

REVISED -	
REVISED -	
REVISED -	
REVISED -	

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	FAI 290 22 BRIDGE 3	COOK	161	668
CONTRACT NO.				62U12
ILLINOIS		FED. AID PROJECT		



TEMPORARY TRAFFIC SIGNAL REQUIREMENTS

LEGEND

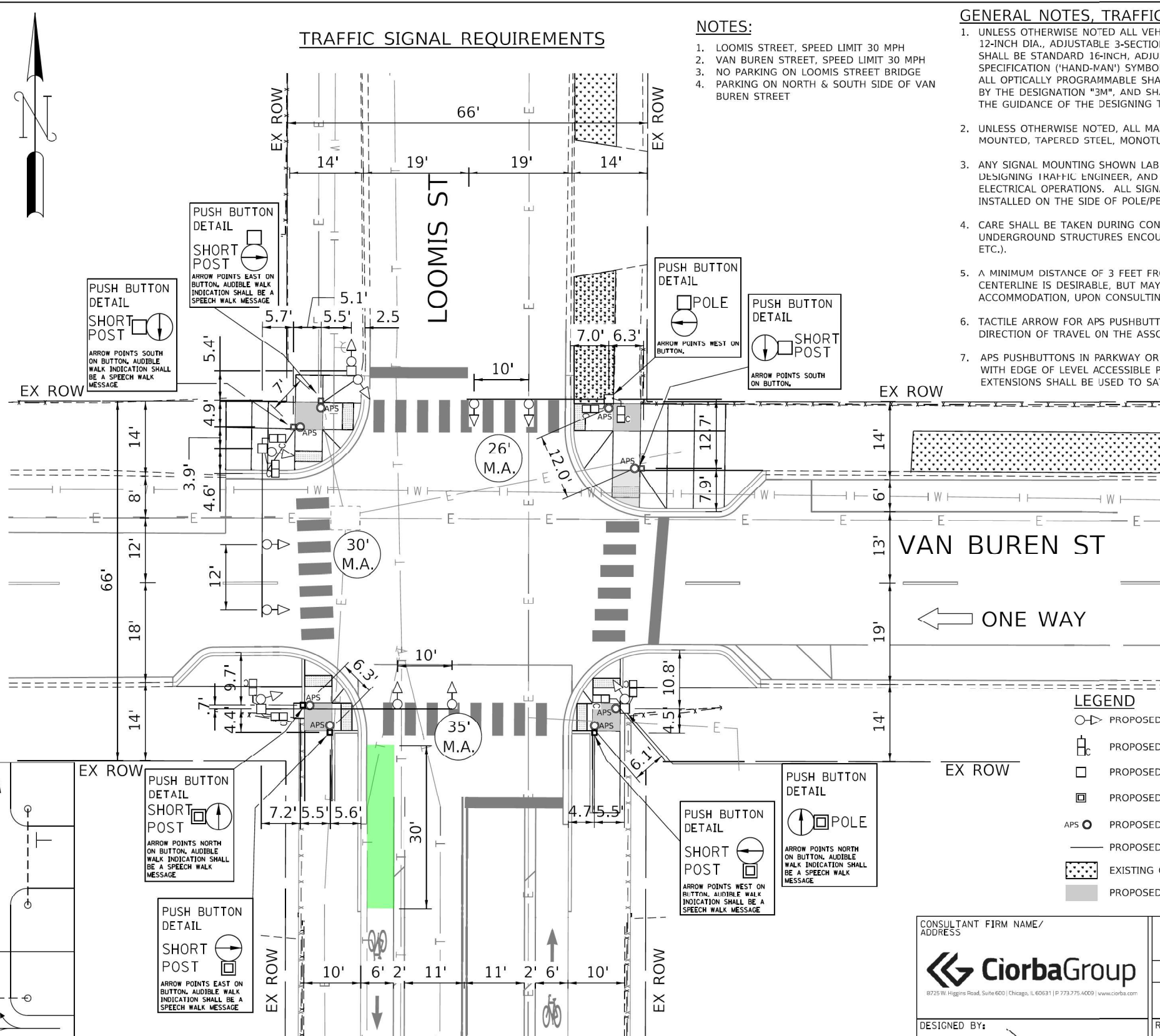
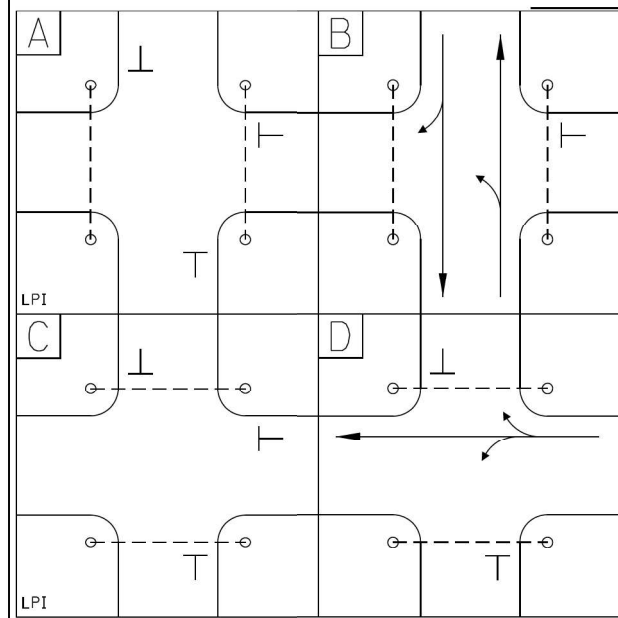
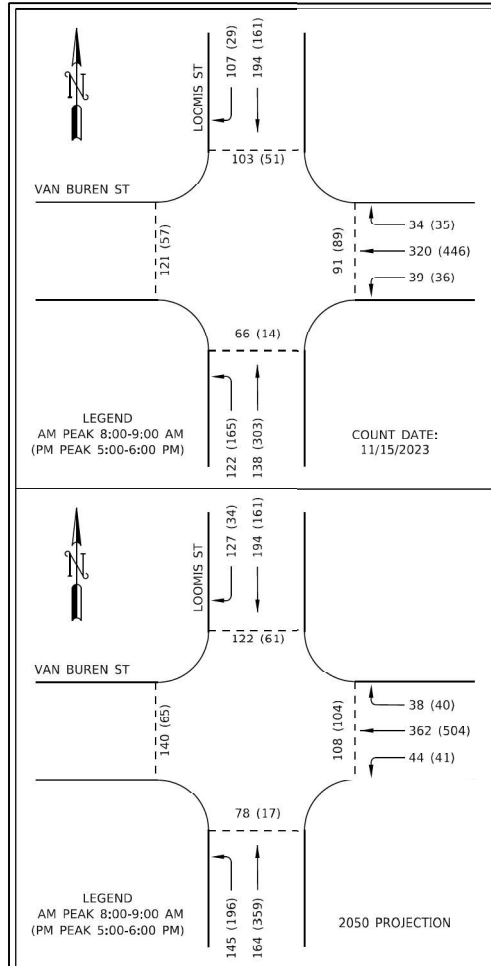
- PROPOSED TRAFFIC SIGNAL HEAD
- PROPOSED COUNTDOWN PEDESTRIAN SIGNAL
- PROPOSED TRAFFIC SIGNAL POLE OR POST
- PROPOSED BARREL MOUNTED TRAFFIC SIGNAL POLE OR POST
- PROPOSED PEDESTRIAN PUSH-BUTTON POST
- PROPOSED APS PEDESTRIAN PUSH BUTTON
- PROPOSED TRAFFIC SIGNAL MAST ARM
- EXISTING 6' X 19' COMED MANHOLE #0401063
- TEMPORARY WOOD POLE

NOTES:

- LOOMIS STREET, SPEED LIMIT 30 MPH
- VAN BUREN STREET, SPEED LIMIT 30 MPH
- NO PARKING ON LOOMIS STREET BRIDGE
- PARKING ON NORTH & SOUTH SIDE OF VAN BUREN STREET

GENERAL NOTES, TRAFFIC SIGNAL REQUIREMENTS

- UNLESS OTHERWISE NOTED ALL VEHICULAR SIGNALS SHALL BE STANDARD 12-INCH DIA., ADJUSTABLE 3-SECTION UNITS, AND ALL PEDESTRIAN SIGNALS SHALL BE STANDARD 16-INCH, ADJUSTABLE, 1-SECTION UNITS WITH I.T.E.-SPECIFICATION ('HAND-MAN') SYMBOLIC LENSES AND COUNTDOWN TIMERS. ALL OPTICALLY PROGRAMMABLE SHALL BE DENOTED BY AN ASTERISK (*), OR BY THE DESIGNATION "3M", AND SHALL BE AIMED AND PROGRAMMED WITH THE GUIDANCE OF THE DESIGNING TRAFFIC ENGINEER.
- UNLESS OTHERWISE NOTED, ALL MAST ARMS SHOWN SHALL BE CANTILEVER MOUNTED, TAPERED STEEL, MONOTUBE ARM.
- ANY SIGNAL MOUNTING SHOWN LABELED IS THE RECOMMENDATION OF THE DESIGNING TRAFFIC ENGINEER, AND SHALL BE FINALIZED BY THE DIVISION OF ELECTRICAL OPERATIONS. ALL SIGNAL HARDWARE SHALL PREFERABLY BE INSTALLED ON THE SIDE OF POLE/PEDESTAL AWAY FROM THE TRAVELED WAY.
- CARE SHALL BE TAKEN DURING CONSTRUCTION TO ACCOMMODATE ANY UNDERGROUND STRUCTURES ENCOUNTERED (VAULTS, MANHOLES, CONDUITS, ETC.).
- A MINIMUM DISTANCE OF 3 FEET FROM CURB FACE TO POLE/PEDESTAL CENTERLINE IS DESIRABLE, BUT MAY BE CHANGED FOR THE ABOVE MENTIONED ACCOMMODATION, UPON CONSULTING WITH THE DESIGNING TRAFFIC ENGINEER.
- TACTILE ARROW FOR APS PUSHBUTTONS SHALL BE ALIGNED PARALLEL TO THE DIRECTION OF TRAVEL ON THE ASSOCIATED CROSSWALK.



NOTES:

1. LOOMIS STREET, SPEED LIMIT 30 MPH
2. VAN BUREN STREET, SPEED LIMIT 30 MPH
3. NO PARKING ON LOOMIS STREET BRIDGE
4. PARKING ON NORTH & SOUTH SIDE OF VAN BUREN STREET

GENERAL NOTES, TRAFFIC SIGNAL REQUIREMENTS

1. UNLESS OTHERWISE NOTED ALL VEHICULAR SIGNALS SHALL BE STANDARD 12-INCH DIA., ADJUSTABLE 3-SECTION UNITS, AND ALL PEDESTRIAN SIGNALS SHALL BE STANDARD 16-INCH, ADJUSTABLE, 1-SECTION UNITS WITH I.T.E.-SPECIFICATION ('HAND-MAN') SYMBOLIC LENSES AND COUNTDOWN TIMERS. ALL OPTICALLY PROGRAMMABLE SHALL BE DENOTED BY AN ASTERISK (*), OR BY THE DESIGNATION "3M", AND SHALL BE AIMED AND PROGRAMMED WITH THE GUIDANCE OF THE DESIGNING TRAFFIC ENGINEER.
2. UNLESS OTHERWISE NOTED, ALL MAST ARMS SHOWN SHALL BE CANTILEVER MOUNTED, TAPERED STEEL, MONOTUBE ARM.
3. ANY SIGNAL MOUNTING SHOWN LABELED IS THE RECOMMENDATION OF THE DESIGNING TRAFFIC ENGINEER, AND SHALL BE FINALIZED BY THE DIVISION OF ELECTRICAL OPERATIONS. ALL SIGNAL HARDWARE SHALL PREFERABLY BE INSTALLED ON THE SIDE OF POLE/PEDESTAL AWAY FROM THE TRAVELED WAY.
4. CARE SHALL BE TAKEN DURING CONSTRUCTION TO ACCOMMODATE ANY UNDERGROUND STRUCTURES ENCOUNTERED (VAULTS, MANHOLES, CONDUITS, ETC.).
5. A MINIMUM DISTANCE OF 3 FEET FROM CURB FACE TO POLE/PEDESTAL CENTERLINE IS DESIRABLE, BUT MAY BE CHANGED FOR THE ABOVE MENTIONED ACCOMMODATION, UPON CONSULTING WITH THE DESIGNING TRAFFIC ENGINEER.
6. TACTILE ARROW FOR APS PUSHBUTTONS SHALL BE ALIGNED PARALLEL TO THE DIRECTION OF TRAVEL ON THE ASSOCIATED CROSSWALK.
7. APS PUSHBUTTONS IN PARKWAY OR ON LEDGE SHALL BE EITHER ALIGNED FLUSH WITH EDGE OF LEVEL ACCESSIBLE PATH OR LESS THAN 10" FROM IT. APS EXTENSIONS SHALL BE USED TO SATISFY REQUIREMENTS.

LEGEND

- PROPOSED TRAFFIC SIGNAL HEAD
- PROPOSED COUNTDOWN PEDESTRIAN SIGNAL
- PROPOSED TRAFFIC SIGNAL POLE OR POST
- PROPOSED PEDESTRIAN PUSH-BUTTON POST
- PROPOSED APS PEDESTRIAN PUSH BUTTON
- PROPOSED TRAFFIC SIGNAL MAST ARM
- ▨ EXISTING GRASS PARKWAY
- PROPOSED ADA LEVEL LANDING AREA

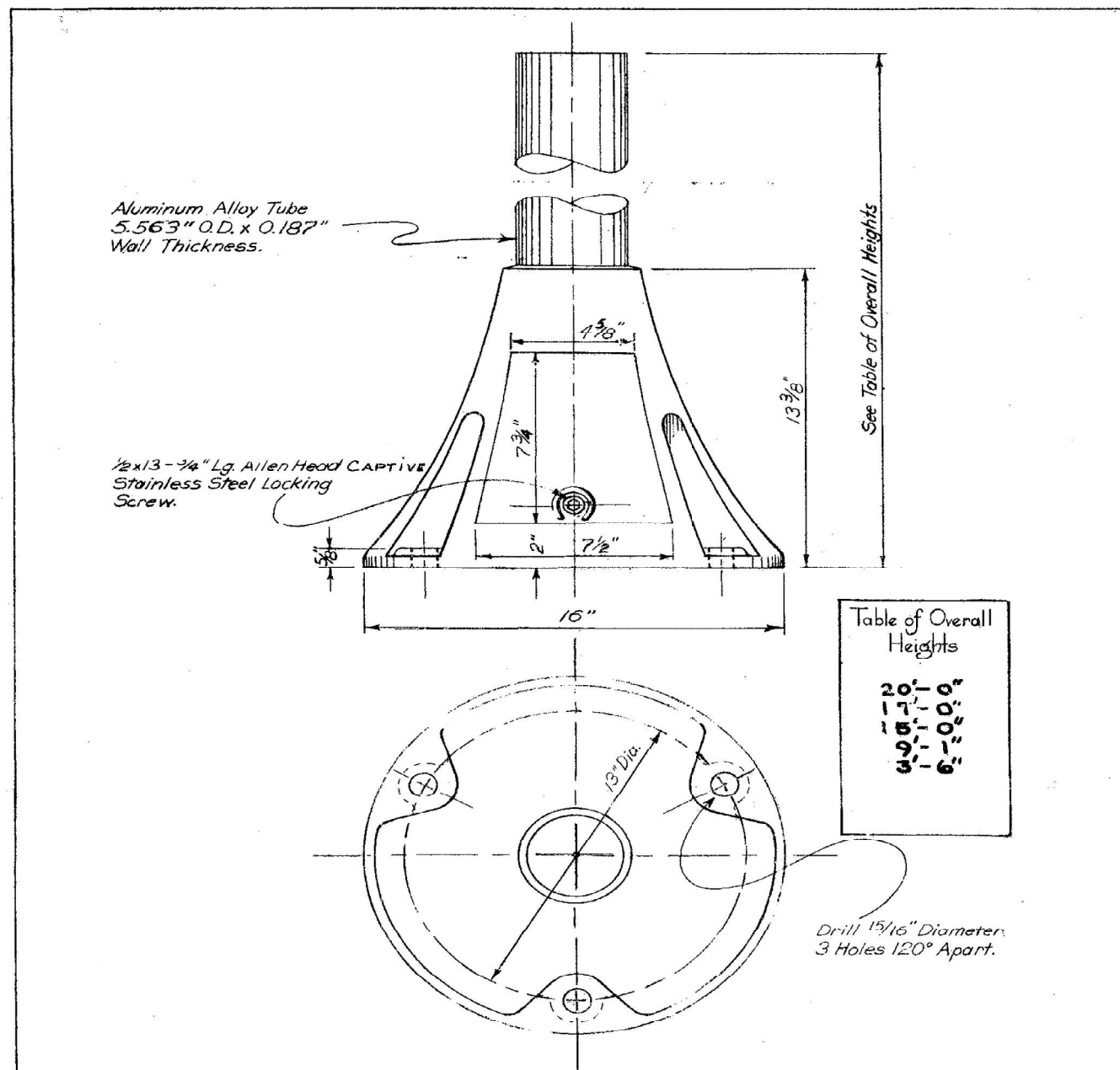
CONSULTANT FIRM NAME/ ADDRESS CiorbaGroup 8725 W. Higgins Road, Suite 600 Chicago, IL 60631 P 773.775.4009 www.ciorba.com	CITY OF CHICAGO DEPARTMENT OF TRANSPORTATION DIVISION OF TRAFFIC SAFETY TRAFFIC SIGNAL REQUIREMENT PLAN LOOMIS STREET AT VAN BUREN STREET
DESIGNED BY: DAN JOHNSON APPROVED BY: JOSEPH VONDRA DATE: 11/10/2025	REVIEWED BY: TRAFFIC ENGINEER APPROVED BY: TRAFFIC ENGINEER DATE: SCALE: 1"=20' SHEET 1 OF 1

DATE PLOTTED = 9/3/2025 6:47:25 PM
PEN TABLE = 0021550.01.tbl
PLOT CONFIG = CGP-PDF.plt
MODEL \$PROJECTNAME\$
FILE NAME: \\P001\0021550.01\CGDDSHMSignals\021550-01\CGDDSHMSignals\CGDDSHMSignals.dwg

PROPOSED		PRESENT	PROPOSED		PRESENT	C.M.H. LUMINAIRES																																																		
						PROPOSED	PRESENT																																																	
		SIGNAL, TRAFFIC 3 SECTION 1-WAY ADJUSTABLE, 12" OR AS NOTED			MANHOLE, 3'X4'X4' 24" F & C (DWG.#730) (A) 30" F & C (DWG#729) (B)		LUMINAIRE, C.M.H. 315W LAMP, 240V																																																	
		SIGNAL, TRAFFIC 3 SECTION 2-WAY ADJUSTABLE, 12" OR AS NOTED			MANHOLE, 4'X6'X6' 24" F & C (DWG.#732) (C) 30" F & C (DWG#733) (D)		LUMINAIRE, C.M.H. 315W LAMP, 240V, (FLOOD)																																																	
		SIGNAL OPTICALLY PROGRAMMED			HANDHOLE, HEAVY DUTY, 36" I.D. (DWG.#866) 24" F & C (E). (DWG#871) 30" F & C (F)		LUMINAIRE, C.M.H. 210W LAMP, 240V																																																	
		SIGNAL, PEDESTRIAN, COUNTDOWN			HANDHOLE, CIRCULAR WITH 24"FRAME & COVER.30" I.D. (#867) (G)		LUMINAIRE, C.M.H. 140W LAMP, 240V																																																	
		SIGNAL, PEDESTRIAN, DON'T WALK/WALK			FOUNDATION, CONTROLLER OR PEDESTAL, 13" B.C.,20"X5' (DWG. #709)		LUMINAIRE, C.M.H. 140W LAMP, 120V, (ALLEY)																																																	
		SIGNAL FACE ARROW, 12" COLOR AS NOTED			FOUNDATION, TRAFFIC CONTROLLER DWG. #854. F.A. TERMINAL FND. DWG. #11972		LUMINAIRE, C.M.H. 90W LAMP, 240V																																																	
		SIGNAL FACE, 1 SECTION YELLOW/GREEN ARROW DUAL INDICATION			FOUNDATION, TRAFFIC TYPE "P", BASE MOUNT. (DWG. #888)		LUMINAIRE, C.M.H. 90W LAMP, 240V (ACORN)																																																	
		PUSH BUTTON, PEDESTRIAN			FOUNDATION,CONTROLLER STREET LIGHT ,SPECIAL, 100A & 200A. (DWG.#876 & # 880)		LUMINAIRE, C.M.H. 60W LAMP, 240V (ACORN)																																																	
		SIGN,ILLUMINATED, WITH MESSAGE OR SYMBOL AS INDICATED			FOUNDATION, TRANSCLOSURE; TRANSCLOSURE HOUSING. (DWG.# 583 & #891)	H.P.S.V. ORNAMENTAL LUMINAIRES																																																		
		MAST ARM, MONOTUBE, STEEL. SIZE AS INDICATED (SEE DWG. #870)			CONTROLLER,UNDERPASS LIGHTING 120V. & 240V. (DWG. #860 & #861)	PROPOSED	PRESENT																																																	
		MAST ARM, TRUSS, ALUMINUM. SIZE AS INDICATED			MANHOLE, UTILITY, E=COMMONWEALTH EDISON; T=ILL.BELL TEL.; G=PEOPLES GAS; W=CITY WATER; P=CHGO PARK DISTRICT; CTA=C.T.A; S= SEWER		310W PENDANT (240V)																																																	
		CONTROLLER, TRAFFIC SIGNAL. PEDESTAL OR BASE MOUNTED AS INDICATED			JUNCTION BOX, IN PAVEMENT (DWG. #815)		400W PENDANT (240V)																																																	
		CONTROLLER, STREET LIGHTING. PEDESTAL OR BASE MOUNTED. (DWG. 876 or 880)			DETECTOR LOOP IN PAVEMENT		250W PENDANT (240V)																																																	
		CONTROLLER,STREET LIGHTING. POLE MOUNTED (DWG. #11940)			CONDUIT or P.V.C., NUMBER,SIZE & TYPE. (AS NOTED)		150W ACORN (120V)																																																	
		POLE, WOOD. COMMONWEALTH EDISON COMPANY, SERVICE			CONDUIT or P.V.C. ENCASED IN CONCRETE. (SECTION or NUMBER OF CONDUIT INDICATED)		150W ACORN (240V)																																																	
		POLE, CITY STEEL, ANCHOR BASE, 34'6", 7 GA. 10" DI A. AND 15"B.C. 24"x7' FND. W/ 1 1/4" ANCHOR RODS DRG. #818.			LUMINAIRE, H.P.S.V. 400W LAMP, 240V, SEMI-CUTOFF		50W ACORN (240V)																																																	
		POLE, CITY STEEL, ANCHOR BASE, 34'-6", 3 GA. 10" DIA. AND 15" B.C. 24"x9' FND. W/ 1 1/4" ANCHOR RODS DRG. #818 (16',20'or 26'M.A.)			LUMINAIRE, H.P.S.V. 400W LAMP, 240V, CUTOFF		100W ACORN (240V)																																																	
		POLE, CITY STEEL, ANCHOR BASE, 34"-6", 3GA., 11" DIA. AND 17 1/4" B.C. 30"x9' FND. W/ 1 1/4" ANCHOR RODS DRG. #816. (30' M.A.)			LUMINAIRE, H.P.S.V. 310W LAMP, 240V		150W GLOBE (240V)																																																	
		POLE, CITY STEEL, ANCHOR BASE 34'-6", 3 GA. 12 1/2" DIA. AND 16 1/2" B.C. 30"x11' FND. W/ 1 1/2" ANCHOR RODS DRG.#817. (35',40'or 44' M.A.)			LUMINAIRE, H.P.S.V. 310W LAMP 240V, CUTOFF		100W GLOBE (240V)																																																	
		POLE, CITY STEEL, ANCHOR BASE, 32'-6", 3 GA. 10" DIA., WITH 3 GA. BAL. HSG. BASE AND 17 1/4" B.C. ON 30"x9' FND. W/ 1 1/4" ANCHOR RODS DRG. #816.			LUMINAIRE, H.P.S.V. 150W LAMP, 240V		50W GLOBE (240V)																																																	
		POLE, CITY STEEL, ANCHOR BASE, 20',27'-6",29'-6", 7 GA. WITH STEEL BAL. HSG. BASE AND FND. W/ 10" D. B.C. AND 1" ANCHOR RODS DRG. #716.			LUMINAIRE, H.P.S.V. 150W LAMP, 120V	L.E.D. LUMINAIRES																																																		
		POLE,CITY STEEL, ANCHOR BASE, 20',27'-6",29'-6", 3 GA., WITH STEEL BAL. HSG. BASE AND FND. W/ 10" D. B.C. AND 1" ANCHOR RODS DWG.#719.			LUMINAIRE, H.P.S.V. 250W LAMP, 120V, (ALLEY LIGHT)	PROPOSED	PRESENT																																																	
		POLE, CITY STEEL, ANCHOR BASE, 20',27'-6", 29'-6" 7 GA., AND ALUMINUM RESIDENTIAL DAVIT,AND FND. WITH 10" B.C. AND 1" ANCHOR RODS DWG#565 (CONCRETE) OR DWG.#936 (HELIX).			LUMINAIRE, H.P.S.V. 250W LAMP, 120V		(400W HPSV EQUIVALENT), 240V																																																	
		POLE,CITY STEEL, ANCHOR BASE, 20',27'-6",29'-6", 3 GA., AND FND. WITH 10" B.C. AND 1" ANCHOR RODS DWG.#565 (CONCRETE) OR DWG.#936 (HELIX).			TERMINAL, CABINET F.A. & P.C.		(100W HPSV EQUIVALENT), 240V, ACORN																																																	
		POLE, CITY STEEL, ANCHOR BASE, 32'-6", 7 GA., AND FND. WITH 11 1/2" B.C. AND 1" ANCHOR RODS DWG. #753.			FIRE ALARM BOX, MOUNTED		(310W HPSV EQUIVALENT), 240V																																																	
		POLE, CITY STEEL, ANCHR BASE, 32'-6", 3 GA., AND FND. WITH 11 1/2" B.C. AND 1" ANCHOR RODS DWG. #753.			FIRE ALARM BOX, POLE MOUNTED		(100/150W HPSV EQUIVALENT), 240V ACORN																																																	
		POLE, CITY STEEL, ANCHOR BASE, 32'-6" 7 GA., ALUM. BHB AND FND. WITH 15" B.C.-24"x7' WITH 1" ANCHOR RODS DRG. #691.			CABLE, TRAFFIC SIGNAL, COMMUNICATION, 1-PAIR #14 SHIELDED, IN CONDUIT		(250W HPSV EQUIVALENT), 240V																																																	
		POLE, CITY STEEL, ANCHOR BASE, 32'-6", 3 GA., ALUM. BHB AND FND. WITH 15" B.C. 24"x 7' WITH 1" ANCHOR RODS DWG. #691.			CABLE, TRAFFIC SIGNAL POWER SUPPLY, 2/C- #4, 600 V. EPR. IN CONDUIT		(50W HPSV EQUIVALENT), 240V, ACORN																																																	
		POLE, CITY ALUMINUM, WITH ROUND BAL. HSG. BASE, 25', 28', or 30' ON FND. WITH 14" B.C., ACQUIRED FROM CHICAGO PARK DISTRICT.			CABLE, TRAFFIC SIGNAL POWER SUPPLY, 2 1/C-#2 or #1/0 600V. EPR IN CONDUIT		200W, 240V, BOULEVARD PENDANT																																																	
		POLE, CITY STEEL, EMBEDDED, 4"x 9"x 35' 7 GA., TAPERED TUBULAR. (DWG. #658)			CABLE, TRAFFIC SIGNAL POWER SUPPLY, 2/C-#10 or #6, 600V NSRI, IN CONDUIT		60W 240V, BOULEVARD ACORN																																																	
		POLE, CITY STEEL, EMBEDDED, 4"x 9"x 35' 3 GA., TAPERED TUBULAR. (DWG. #658)			CABLE, TRAFFIC SIGNAL, 7/C-#12 or #14, 600V, EPR IN CONDUIT	<table><tr><td>G 06-13-23</td><td>ADDED LED BOULEVARD LUMINAIRES N.JONES</td></tr><tr><td>F 01-08-14</td><td>ADDED LED LUMINAIRES A.VIEU</td></tr><tr><td>E 09-19-13</td><td>ADDED CMH LUMINAIRES A.VIEU</td></tr><tr><td>D 02-06-04</td><td>REVISED/REDRAW R.POOL/B.I.</td></tr><tr><td>C 04-01-02</td><td>REVISED/REDRAW R.POOL/B.I.</td></tr><tr><td>B 12-4-01</td><td>ADDED ORNAMENTAL SYMBOLS</td></tr><tr><td>A 8-6-96</td><td>REDRAWN</td></tr><tr><td>DATE</td><td>REVISION</td></tr><tr><td colspan="2">SUPERSEDES DWG. *</td></tr><tr><td colspan="2">WORK ORDER NO. _____ DATE _____</td></tr><tr><td colspan="2">COST ALLOCATION ACCOUNT _____</td></tr><tr><td colspan="2">APPROPRIATION ACCOUNT { MATERIAL _____ LABOR _____</td></tr><tr><td colspan="2">STANDARD CODE FOR TRAFFIC SIGNALS/ STREET LIGHTING</td></tr><tr><td colspan="2">CITY OF CHICAGO DEPT. OF TRANSPORTATION DIVISION OF ENGINEERING ELECTRICAL SECTION</td></tr><tr><td>DRAFTSMAN: R. IVY</td><td>CHIEF DRAFTSMAN: R. CARTER</td><td>ENGINEER: R. POOL/R.C/W.T.</td><td rowspan="4">DWG. NO. 826</td></tr><tr><td>SUPERVISING ENGINEER:</td><td>ELEC. DESIGN ENGR.</td><td></td></tr><tr><td>ENGINEER OF ELECTRICITY:</td><td></td><td></td></tr><tr><td>GEN'L SUPT. OF CONSTRUCTION:</td><td></td><td></td></tr><tr><td>DEPUTY COMMISSIONER:</td><td></td><td></td><td></td></tr><tr><td>SIZE: 22" 36"</td><td>SCALE: NONE</td><td>DATE: 09-19-13</td><td></td></tr></table>		G 06-13-23	ADDED LED BOULEVARD LUMINAIRES N.JONES	F 01-08-14	ADDED LED LUMINAIRES A.VIEU	E 09-19-13	ADDED CMH LUMINAIRES A.VIEU	D 02-06-04	REVISED/REDRAW R.POOL/B.I.	C 04-01-02	REVISED/REDRAW R.POOL/B.I.	B 12-4-01	ADDED ORNAMENTAL SYMBOLS	A 8-6-96	REDRAWN	DATE	REVISION	SUPERSEDES DWG. *		WORK ORDER NO. _____ DATE _____		COST ALLOCATION ACCOUNT _____		APPROPRIATION ACCOUNT { MATERIAL _____ LABOR _____		STANDARD CODE FOR TRAFFIC SIGNALS/ STREET LIGHTING		CITY OF CHICAGO DEPT. OF TRANSPORTATION DIVISION OF ENGINEERING ELECTRICAL SECTION		DRAFTSMAN: R. IVY	CHIEF DRAFTSMAN: R. CARTER	ENGINEER: R. POOL/R.C/W.T.	DWG. NO. 826	SUPERVISING ENGINEER:	ELEC. DESIGN ENGR.		ENGINEER OF ELECTRICITY:			GEN'L SUPT. OF CONSTRUCTION:			DEPUTY COMMISSIONER:				SIZE: 22" 36"	SCALE: NONE	DATE: 09-19-13	
G 06-13-23	ADDED LED BOULEVARD LUMINAIRES N.JONES																																																							
F 01-08-14	ADDED LED LUMINAIRES A.VIEU																																																							
E 09-19-13	ADDED CMH LUMINAIRES A.VIEU																																																							
D 02-06-04	REVISED/REDRAW R.POOL/B.I.																																																							
C 04-01-02	REVISED/REDRAW R.POOL/B.I.																																																							
B 12-4-01	ADDED ORNAMENTAL SYMBOLS																																																							
A 8-6-96	REDRAWN																																																							
DATE	REVISION																																																							
SUPERSEDES DWG. *																																																								
WORK ORDER NO. _____ DATE _____																																																								
COST ALLOCATION ACCOUNT _____																																																								
APPROPRIATION ACCOUNT { MATERIAL _____ LABOR _____																																																								
STANDARD CODE FOR TRAFFIC SIGNALS/ STREET LIGHTING																																																								
CITY OF CHICAGO DEPT. OF TRANSPORTATION DIVISION OF ENGINEERING ELECTRICAL SECTION																																																								
DRAFTSMAN: R. IVY	CHIEF DRAFTSMAN: R. CARTER	ENGINEER: R. POOL/R.C/W.T.	DWG. NO. 826																																																					
SUPERVISING ENGINEER:	ELEC. DESIGN ENGR.																																																							
ENGINEER OF ELECTRICITY:																																																								
GEN'L SUPT. OF CONSTRUCTION:																																																								
DEPUTY COMMISSIONER:																																																								
SIZE: 22" 36"	SCALE: NONE	DATE: 09-19-13																																																						
		POLE, CITY STEEL, EMBEDDED. (ACQUIRED FROM CTA)			CABLE, F.A. & P.C. AERIAL, 1/C-#10, NUMERAL DENOTES QUANTITY																																																			
		COLUMN,ELEVATED STRUCTURE			CABLE, F.A. & P.C. AERIAL, W/ MESSENGER #19-(NUMBER OF PAIRS AS INDICATED)																																																			
		POLE, WOOD. (SIZE AS NOTED)			CABLE, F.A. & P.C. AERIAL, SELF SUPPORTING, #19-(NUMBER OF PAIRS AS INDICATED)																																																			
		POLE, FOUNDATION WITH ELBOWS AS INDICATED.(SIZE AS NOTED)			CABLE, F.A. & P.C., IN CONDUIT, #19-(NUMBER OF PAIRS AS INDICATED)																																																			
		POLE, ORNAMENTAL OR OTHER, AS INDICATED ON THE PLANS			DOWNLIGHT ASSEMBLY. (DWG. #850)																																																			
		RESIDENTIAL STREET LIGHTING CONTROLLER			LIGHT, TRAFFIC SAFETY ISLAND																																																			
					FLASHING BEACON & DOWNLIGHT																																																			

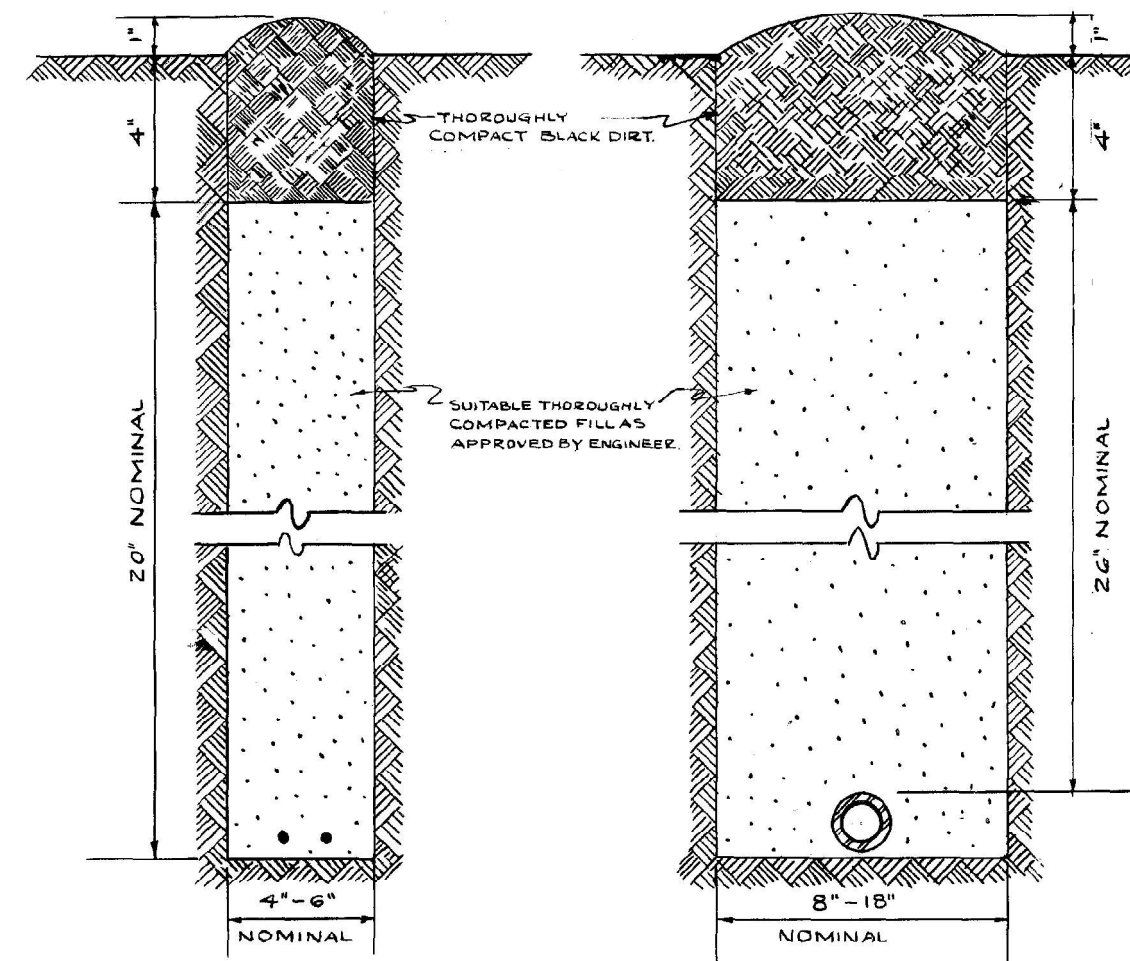
USER NAME = Electrical	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 9/3/2025	DATE - 9/5/2025	REVISED -

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290		COOK	161	70
CONTRACT NO. 62U12				
ILLINOIS FED. AID PROJECT				



ALUMINUM PEDESTAL BASE WITH HANDHOLE
for
Street Lighting Controller, Traffic Signal
Controller and Traffic Signal Heads.

REVISED		CITY OF CHICAGO DEPT. OF STREETS AND SANITATION DIVISION OF ELECTRICAL ENGINEERING		
J	CHANGED OVERALL HEIGHTS 5-22-81	A	5-5-60	DRAWN R. COLLEY
	Revised Table of Overall Heights	B	6-30-60	CHECKED J. PORE
	Revised O.D. of Pedestal	C	12-21-60	ENGINEER Ruzicka
	Revised Specification Number	D	3-23-62	DRG. NO. 526
	REVISED TABLE OF OVERALL HEIGHTS	E	6-4-64	DATE 4-13-60
	REVISED DOOR DIMENSIONS	F	7-14-71	
	Revised Overall Heights	G	OCT 26, 73	
	REVISED OVERALL HEIGHTS	H	5-4-79	



CABLE TRENCH

CONDUIT TRENCH

NOTE
EXCESS SOIL FROM TRENCH TO BE
COMPLETELY REMOVED FROM SITE AS
SOON AS PRACTICABLE.
BLACK DIRT TO BE TAMPED & THOROUGHLY
COMPACTED AS SHOWN.

STANDARD METHOD FOR BACKFILLING CABLE & CONDUIT TRENCHES IN SODDED PARKWAY & LAWNS			
REVISION	CITY OF CHICAGO DEPT. OF STREETS & SANITATION DIVISION OF ELECTRICAL ENGINEERING		
A	DRAWN W. E. HARP	CHECKED M. J. Hine	ENGINEER J. O'CONNOR
B	ENGINEER J. O'CONNOR	DRG. NO. 579	
C	DATE 7-14-61		
D			
E			
F			
G			
H			

DATE PLOTTED = 9/3/2025 6:47:42 PM
PEN TABLE = 0021550.01.tbl
PLOT CONFIG = CG-PDF.plt
MODEL SP001.DWG
FILE NAME: N:\P02\0021550.01\CG-PDF.plt

CiorbaGroup
8725 W. Higgins Rd, Ste 600, Chicago, IL 60631
P 773.775.4009 | www.ciorba.com

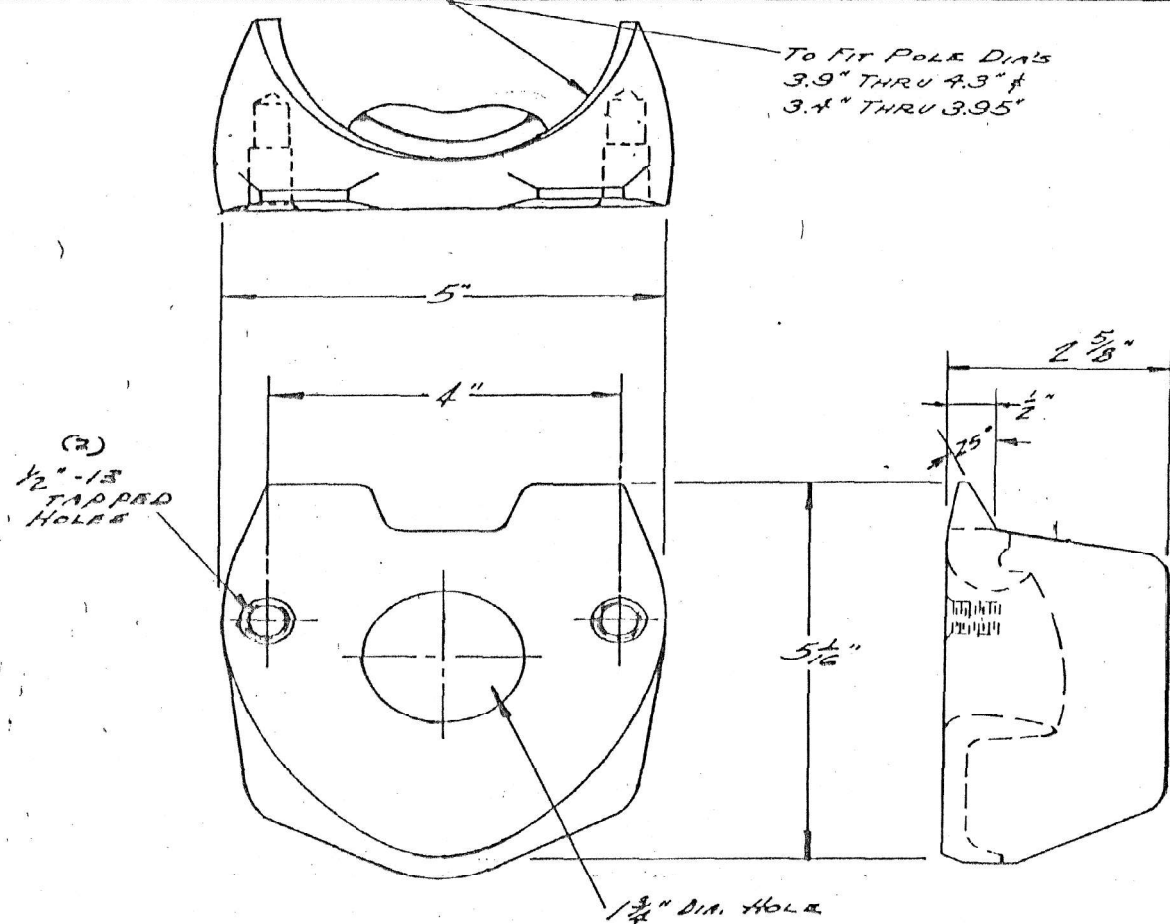
USER NAME = Electrical	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40.0000" / 1"	CHECKED -	REVISED -
PLOT DATE = 9/3/2025	DATE - 9/5/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CDOT ELECTRICAL DETAILS

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290		COOK	161	72
CONTRACT NO. 62U12				
ILLINOIS FED. AID PROJECT				

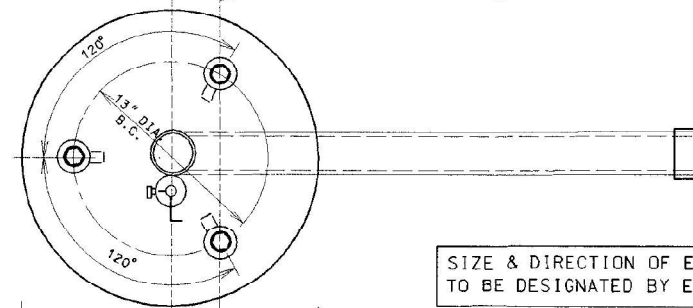


MATERIAL: CAST STEEL

A J.O.C. MATERIAL NOTE ADDED.			
2 BOLT MAST ARM ATTACHMENT POLE PLATE DETAILS			
CITY OF CHICAGO DEPT. OF STREETS AND SANITATION DIVISION OF ELECTRICAL ENGINEERING			
REVISED	5-27-76	DRAWN J. WANKFELDT	CHECKED J. BORE
ABC		DESIGNED J. BORE	ENGINEER J. BORE
DEF		IN CHARGE J. BORE	DWG. NO. 659
G		SUPV. OF CONST. J. BORE	DATE 10-25-68
		DEPUTY COMM. J. BORE	
		SIZE 8 1/2" x 14"	SCALE

ORIENTATION OF BASE
TO BE DESIGNATED
BY ENGINEER

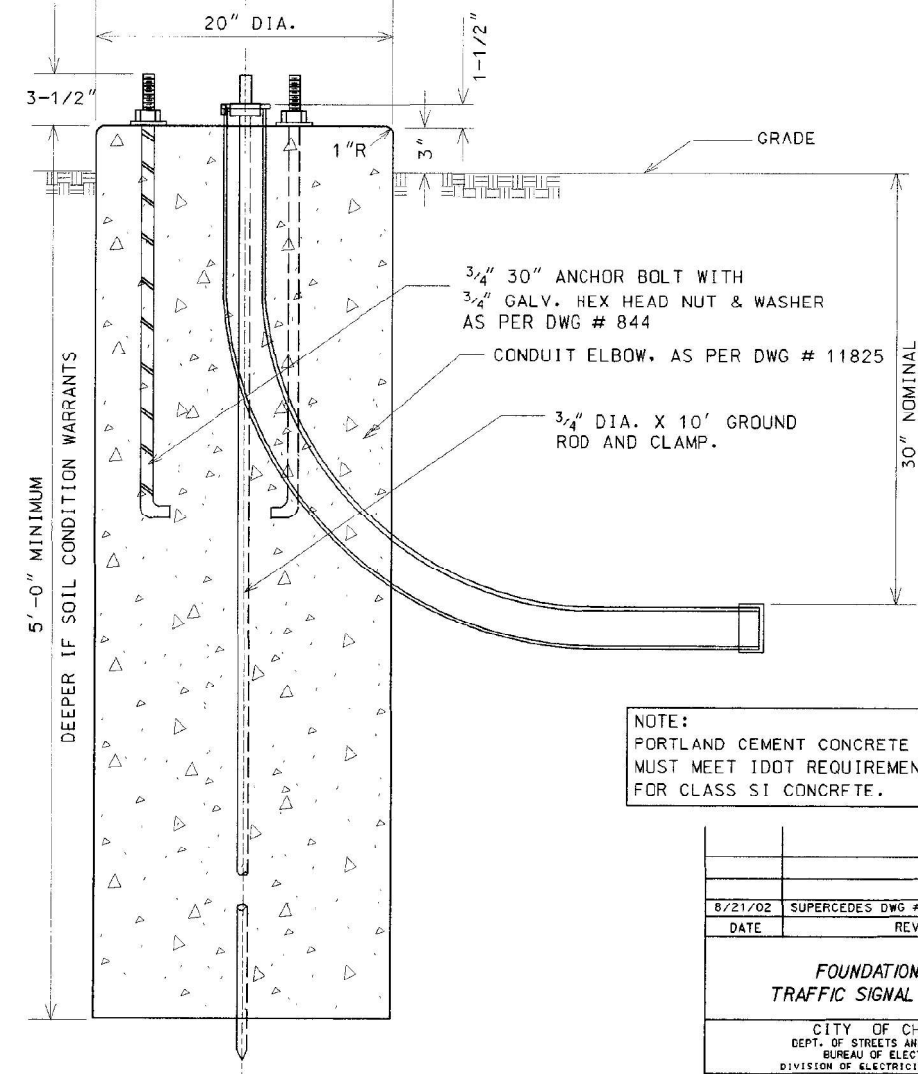
C/L OF BOLTS TO BE PERPENDICULAR TO
ENTERING LATERALS OR AS DESIGNATED
BY CITY ENGINEER.



TOP VIEW

SIZE & DIRECTION OF ELBOWS
TO BE DESIGNATED BY ENGINEER.

ALL DIMENSIONS MUST BE MAINTAINED
EXCEPT WHERE NOTED OTHERWISE.

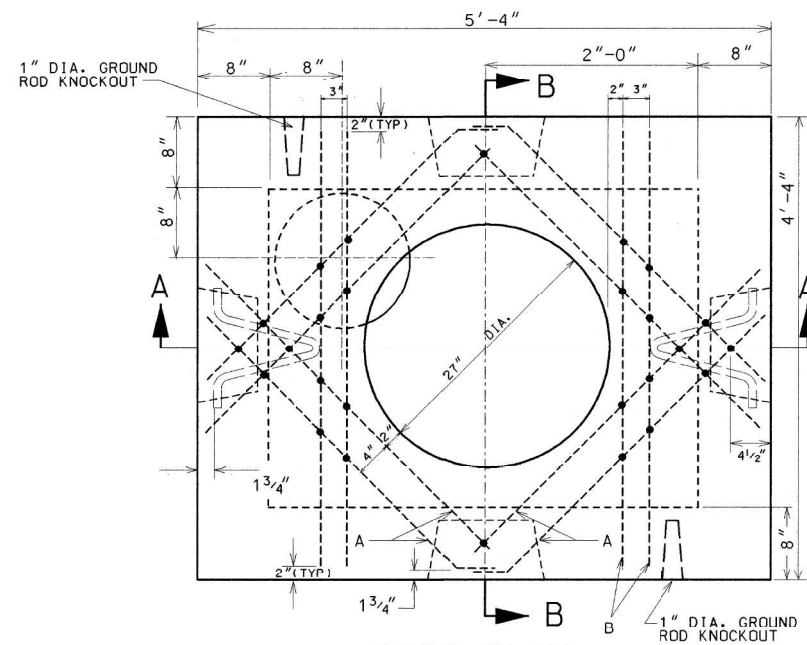


5'-0" MINIMUM
DEEPER IF SOIL CONDITION WARRANTS

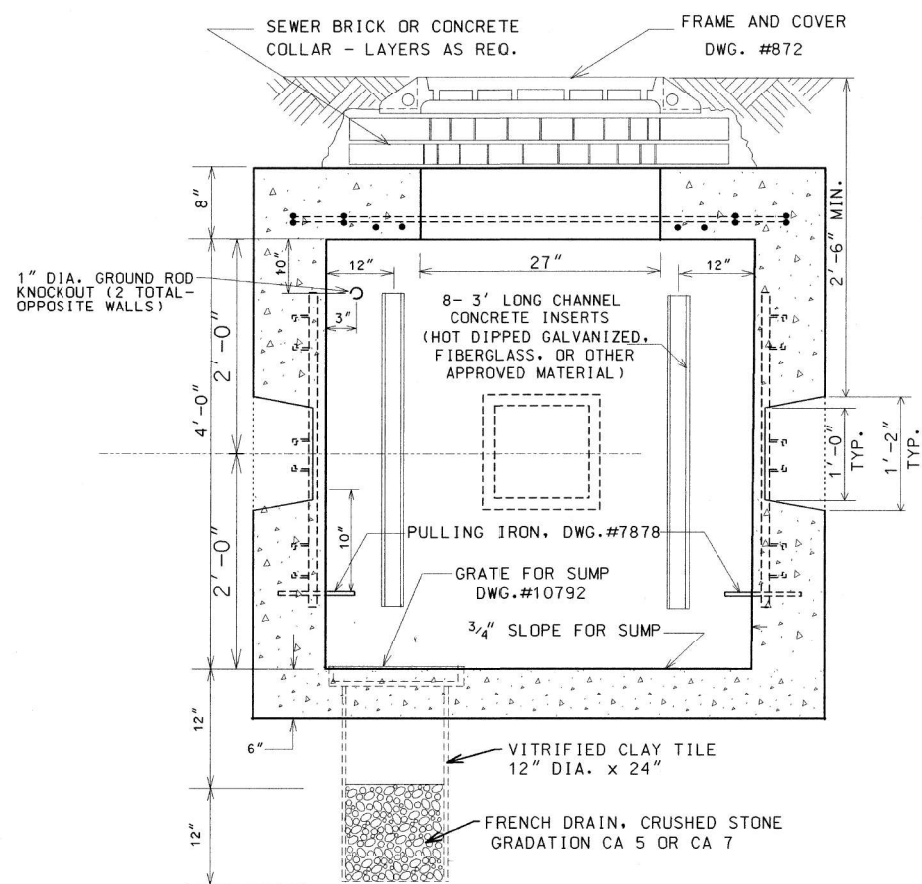
ELEVATION

NOTE:
PORTLAND CEMENT CONCRETE
MUST MEET IDOT REQUIREMENTS
FOR CLASS SI CONCRTE.

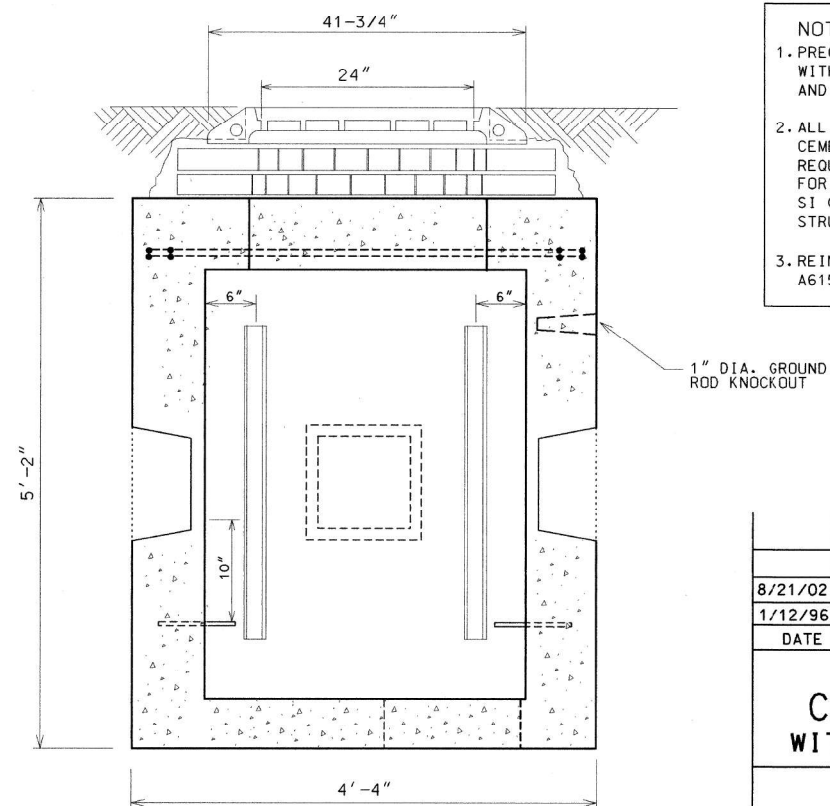
8/21/02		SUPERCEDES DWG #709 DRAWN 7/22/80	
DATE		REVISION	
FOUNDATION FOR TRAFFIC SIGNAL PEDESTAL			
CITY OF CHICAGO DEPT. OF STREETS AND SANITATION BUREAU OF ELECTRICITY DIVISION OF ELECTRICAL ENGINEERING			
DRAFTSMAN: B. GARNSEY	CHIEF DRAFTSMAN: R. CARTER	ENGINEER: B. GARNSEY	DRAWING NO. 709
ELECTRICAL ENGINEER			
ENGINEER OF ELECTRICITY			
GENERAL SUPERINTENDENT			
DEPUTY SUPERINTENDENT			
SIZE 11" x 17"	SCALE NONE	DATE 8/21/02	



ROOF PLAN



SECTION A-A



SECTION B-B

NOTES:

1. PRECAST MANHOLES MUST BE PROVIDED WITH CHANNEL INSERTS, PULLING IRONS, AND CONDUIT KNOCK-OUTS.
2. ALL CONCRETE MUST BE PORTLAND CEMENT CONCRETE MEETING IDOT REQUIREMENTS FOR CLASS PC CONCRETE FOR PRE-CAST STRUCTURES, OR CLASS SI CONCRETE FOR CAST-IN-PLACE STRUCTURES.
3. REINFORCING BARS MUST MEET ASTM A615 GRADE 60.

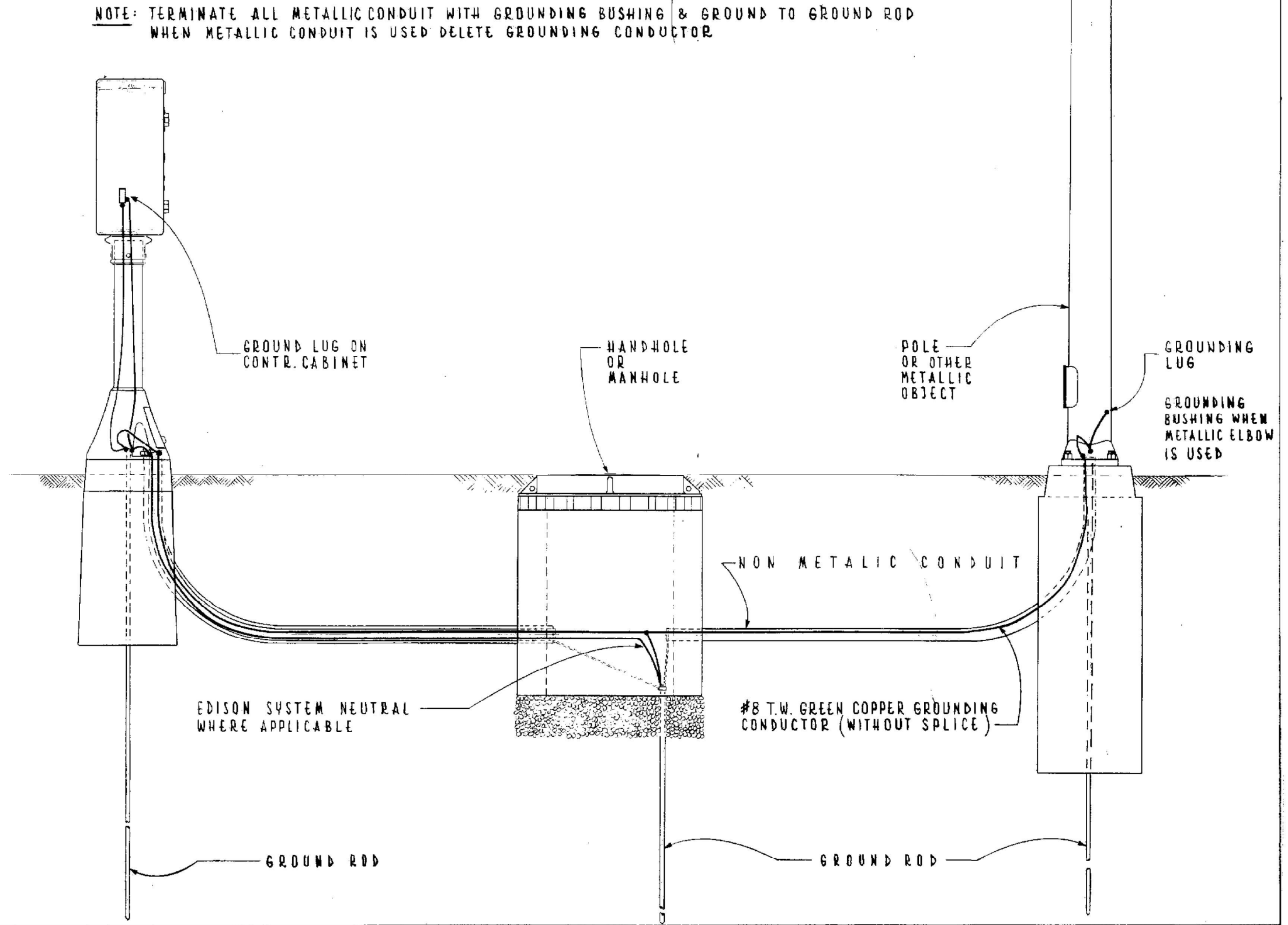
8/21/02	SUPERCEDES DWG. 730 DATED JAN 12, 1996
1/12/96	SUPERCEDES DWG. 730 DATED NOV. 21, 197
DATE	REVISION
3' x 4' x 4' CONCRETE MANHOLE WITH 24" FRAME AND COVER	
CITY OF CHICAGO DEPT. OF STREET AND SANITATION BUREAU OF ELECTRICITY DIVISION OF ELECTRICAL ENGINEERING	
DRAFTSMAN: B. GARNSEY	CHIEF DRAFTSMAN: R. CARTER
ENGINEER: B. GARNSEY	
ELECTRICAL DESIGN ENGINEER	DRAWING NO.
ENGINEER OF ELECTRICITY	730
GENERAL SUPERINTENDENT	
DEPUTY COMMISSIONER	
SIZE: 17" x 22"	
SCALE:	NONE
DATE:	8/21/02

DATE PLOTTED = 9/3/2025 6:47:55 PM
PEN TABLE = 0021550.01.tbl
PLOT CONFIG = CGP-PDF.plt
MODEL \$P001\$
FILE NAME: N:\P001\0021550.01\CGP-PDF.plt

USER NAME = Electrical	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40.0000" / ft.	CHECKED -	REVISED -
PLOT DATE = 9/3/2025	DATE - 9/5/2025	REVISED -

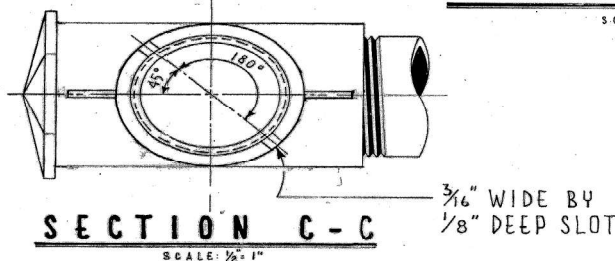
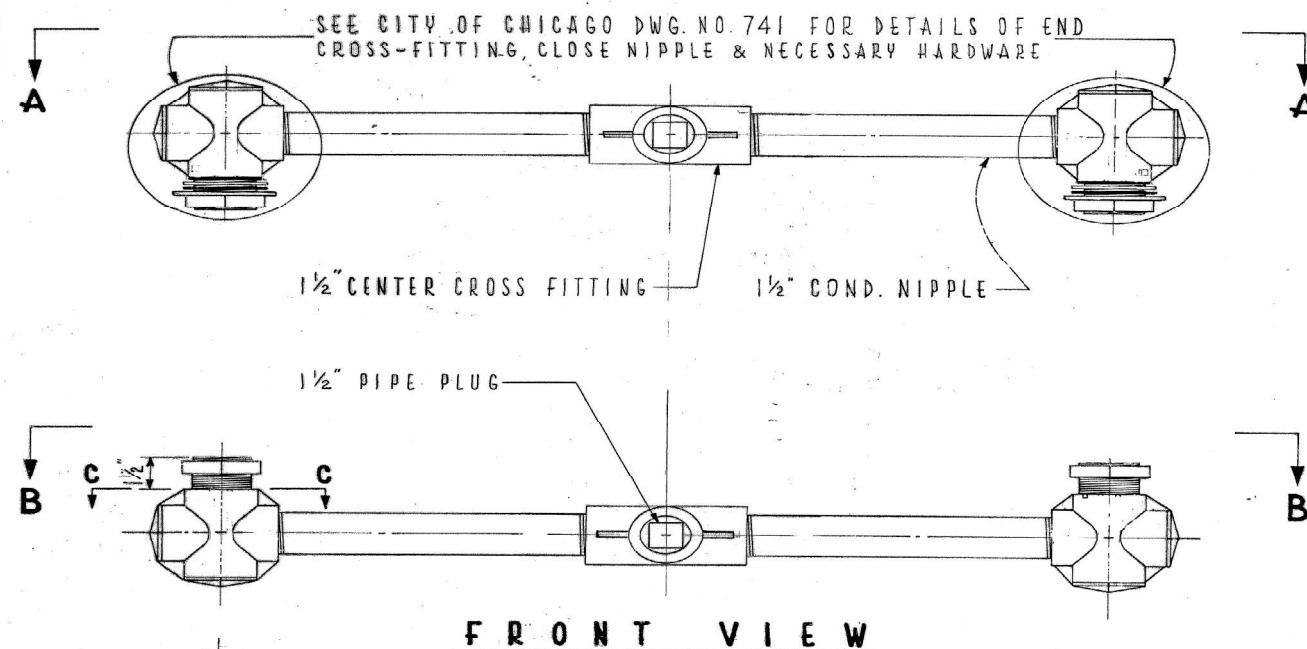
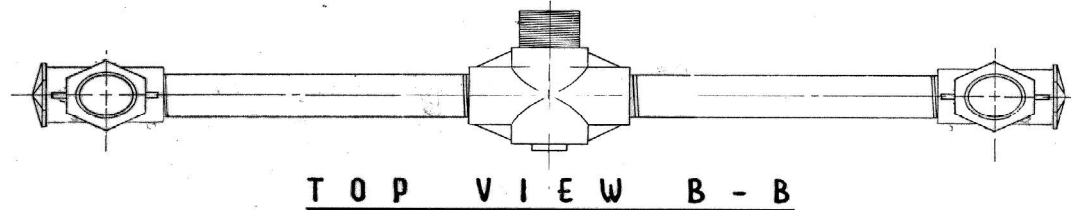
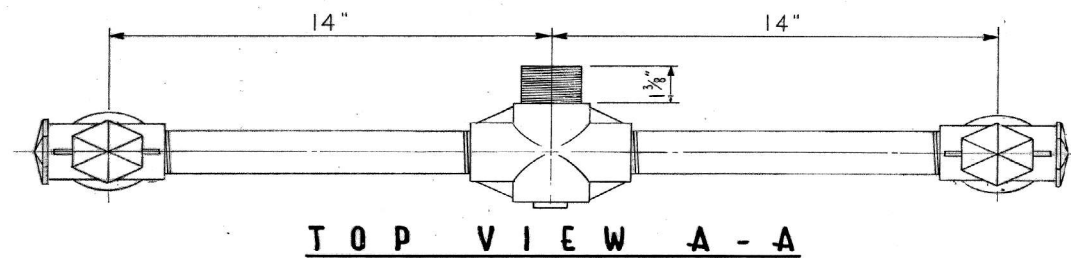
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290		COOK	161	74
CONTRACT NO. 62U12				
ILLINOIS FED. AID PROJECT				

TYPICAL GROUNDING METHODS FOR BUREAU OF ELECTRICITY EQUIPMENT	
CITY OF CHICAGO DEPT. OF STREETS & SANITATION BUREAU OF ELECTRICITY DIVISION OF ELECTRICAL ENGINEERING	
REVISED	DRAWN: E. GERULIS CHECKED: M. SHINE ENGINEER: J. O'CONNOR DNG. NO.
A	ENG. OF CONST. <i>Thomas A. Kelly</i>
B	SUPV. OF CONST. <i>John A. Kelly</i>
C	DEPT. CHIEF <i>John A. Kelly</i>
D	DEPT. CHIEF <i>John A. Kelly</i>
E	DEPT. CHIEF <i>John A. Kelly</i>
F	SIZE: 8 1/2" x 14" SCALE: 1" = 10' DATE: 5-1-70



DATE PLOTTED = 9/3/2025 6:48:02 PM
PEN TABLE = 0021550.01.tbl
PLOT CONFIG = CG-PDF.plt
MODEL SPIDELIMES
FILE NAME: N:\PJ\021550.01\CDOT\Signal\62U12-CH-1-EG05-CDOT Detail.dgn

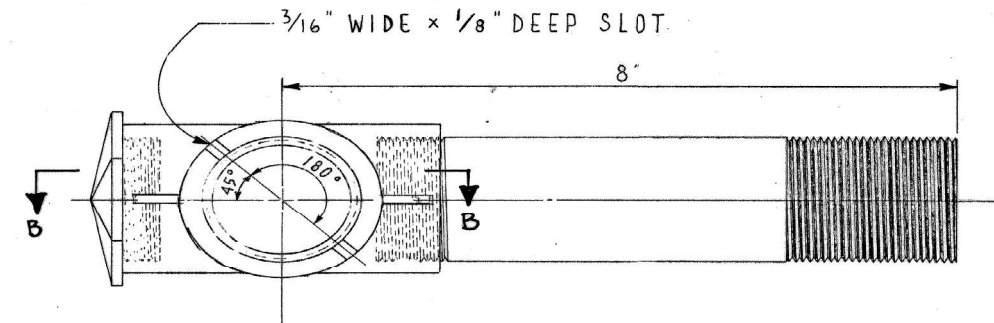
USER NAME = Electrical	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40.0000" / 1"	CHECKED -	REVISED -
PLOT DATE = 9/3/2025	DATE - 9/5/2025	REVISED -



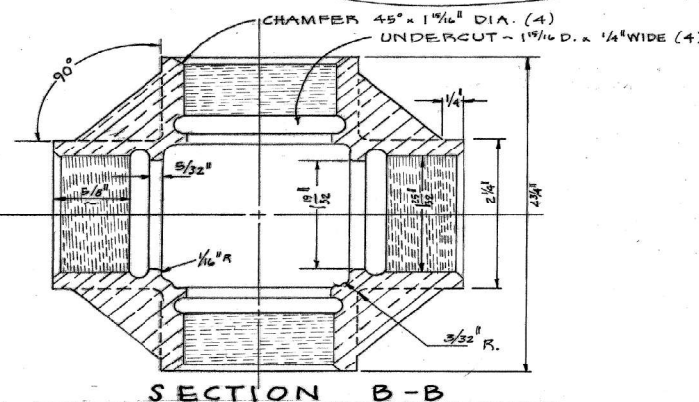
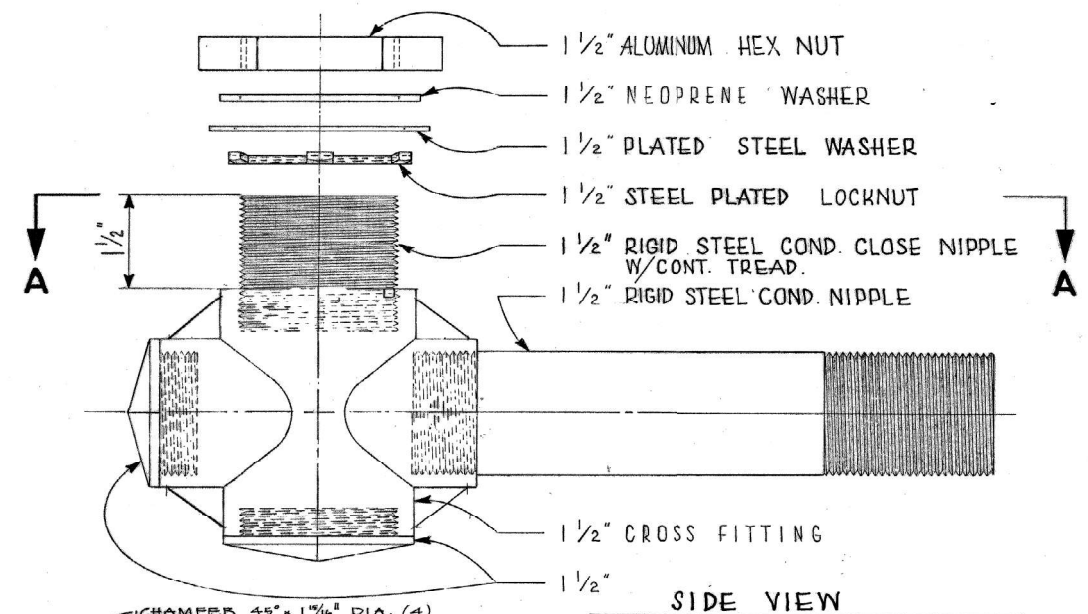
TRAFFIC SIGNAL UPPER & LOWER BRACKET ARM ASSEMBLY

CITY OF CHICAGO
DEPT. OF STREETS & SANITATION
BUREAU OF ELECTRICITY
DIVISION OF ELEC. ENGINEERING

REVISED	DRAWN: E. GERULIS	CHECKED: D.C. / M.S.	ENGINEER: L. CUCCI
A 1-23-1981	ENG. OF ELEC.		DWG. NO.
B	SUPV. BY CONST. Thomas M. Wilkoff		
C	DEPUTY COMM. Joseph J. Bruckner		
D	Charles E. Buckley		
E			
F	SIZE: 7/8" x 1/2"	SCALE: AS NOTED	DATE: 8-21-74



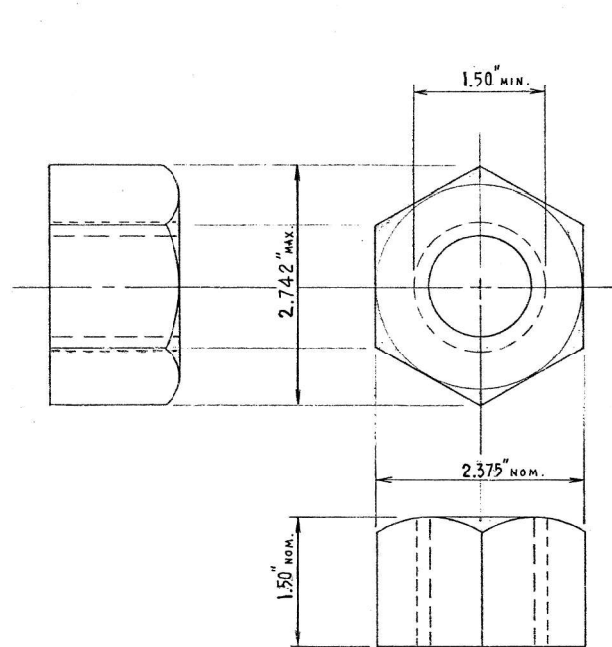
TOP VIEW A - A



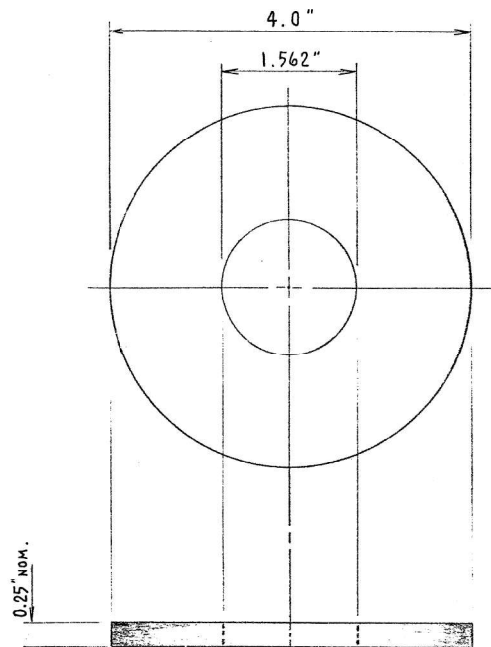
TRAFFIC SIGNAL BRACKET ARM ASSEMBLY

CITY OF CHICAGO
DEPT. OF STREETS & SANITATION
BUREAU OF ELECTRICITY
DIVISION OF ELEC. ENGINEERING

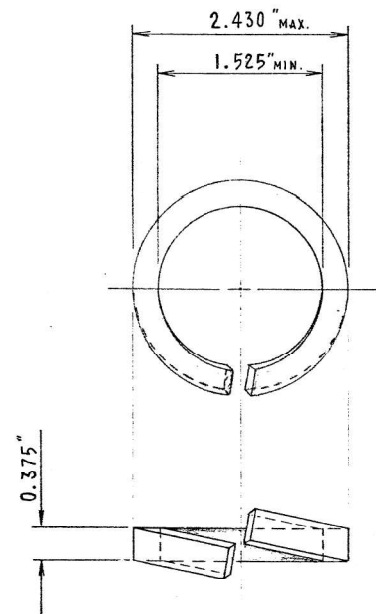
REVISED	DRAWN: E. GERULIS	CHECKED: D.C. / M.S.	ENGINEER: L. CUCCI
A 1-23-81	ENG. OF ELEC.		DWG. NO.
B 12-6-85	SUPV. BY CONST. Thomas M. Wilkoff		
C	DEPUTY COMM. Joseph J. Bruckner		
D	Charles E. Buckley		
E			
F	SIZE: 7/8" x 1/2"	SCALE: 1/2" = 1"	DATE: 8-21-74



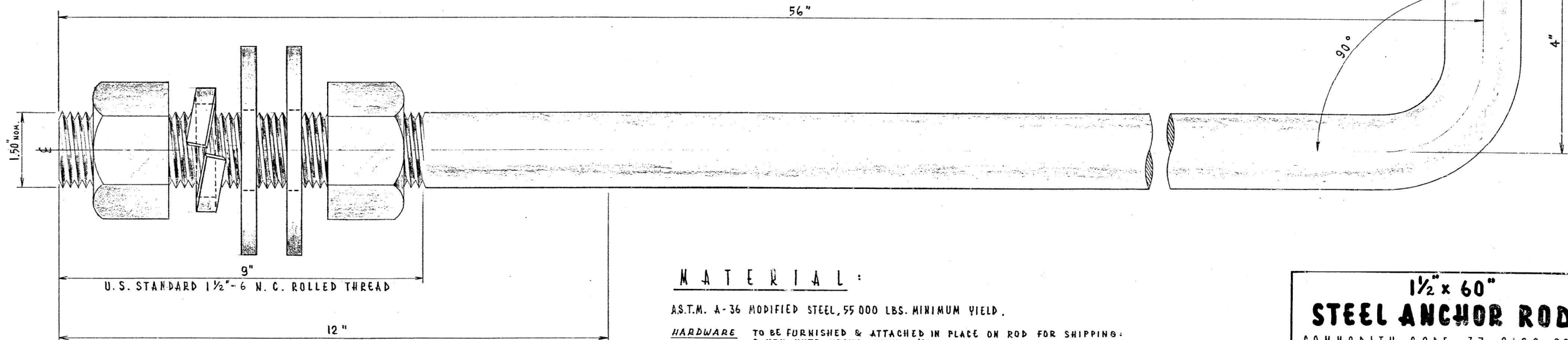
HEXAGON NUT
 AMER. NAT'L. STD. HEAVY HEX. FLAT NUT
 (ANSI B 18.2.2 - 1972)



FLAT WASHER
 AMER. NAT'L. STD. TYPE "B"
 SERIES "W"
 (ANSI B 18.22.1-1965, R1975)



LOCK WASHER
 AMER. NAT'L. STD. HELICAL SPRING LOCK WASHER
 (ANSI B 18.21.1 - 1972)



A ZINC COATING, 0.0021 INCH IN THICKNESS
 SHALL BE APPLIED OVER THIS LENGTH AND
 COVERED WITH HEAVY NO-OX-ID, OR EQUAL,
 RUST INHIBITING COMPOUND

MATERIAL:

A.S.T.M. A-36 MODIFIED STEEL, 55 000 LBS. MINIMUM YIELD.

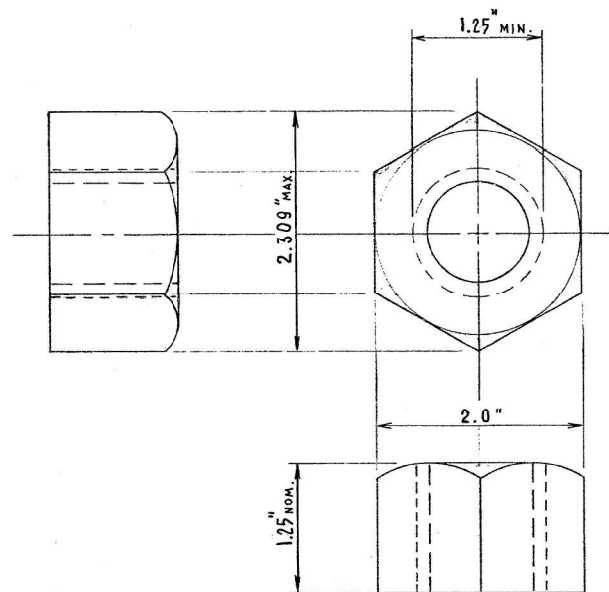
HARDWARE TO BE FURNISHED & ATTACHED IN PLACE ON ROD FOR SHIPPING:
 2 HEX. NUTS, HEAVY, GALV., 1 1/2".
 2 WASHERS, STEEL, ROUND, GALV., TYPE "B", SERIES "W", 1 1/2".
 1 WASHER, LOCK, STEEL, GALV., HELICAL SPRING, REGULAR, 1 1/2".

BOLT & NUTS SHALL HAVE AN AMERICAN STANDARD CLASS 2 OR 3 FIT.
 (NUT IS TAPPED OVERSIZE BY 1/32")

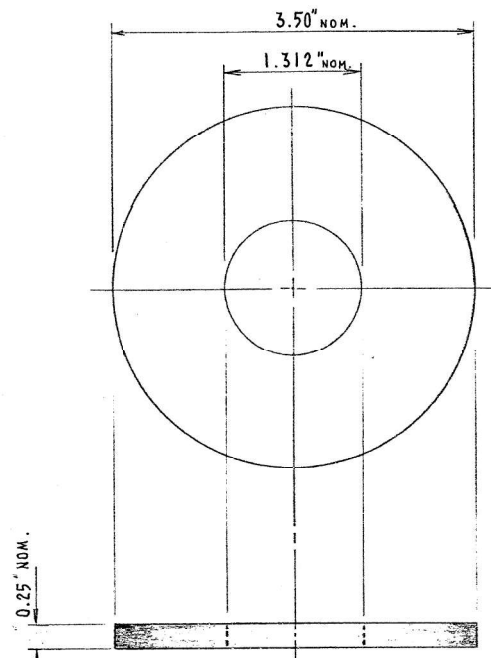
1 1/2" x 60"	
STEEL ANCHOR ROD	
COMMODITY CODE 37-8180-0240	
REVISED	CITY OF CHICAGO DEPT. OF STREETS AND SANITATION BUREAU OF ELECTRICITY DIVISION OF ELECTRICAL ENGINEERING
A JULY 29, 1982	DRAWN: EUGENE GERULIS ELEC. DESIGN ENGINEER: ENGINEER OF ELECTRICITY: DEPUTY COMMISSIONER:
B	CHECKED: A. KURLSKY ENGINEER: M. SHINE
C	DRG. NO. 806
D	DATE AUG 3, 1982
E	SCALE
F	SIZE 17" x 28"
G	

DATE PLOTTED = 9/3/2025 6:48:09 PM
 PEN TABLE = N:\PJ\00015500\00015500.1.tbl
 PLOT CONFIG = CG-PDF.plt
 MODEL SP001\00015500\00015500.1
 FILE NAME: N:\PJ\00015500\00015500.1\CD05\SHS\Signal\ID162013-shs-1\TG050A-CDOT_Detail.dgn

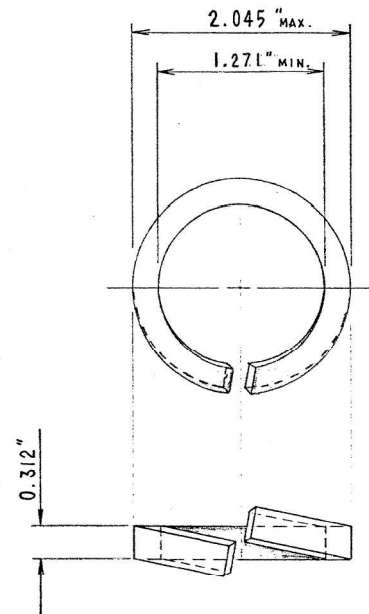
USER NAME = Electrical	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40.0000" / ft.	CHECKED -	REVISED -
PLOT DATE = 9/3/2025	DATE - 9/5/2025	REVISED -



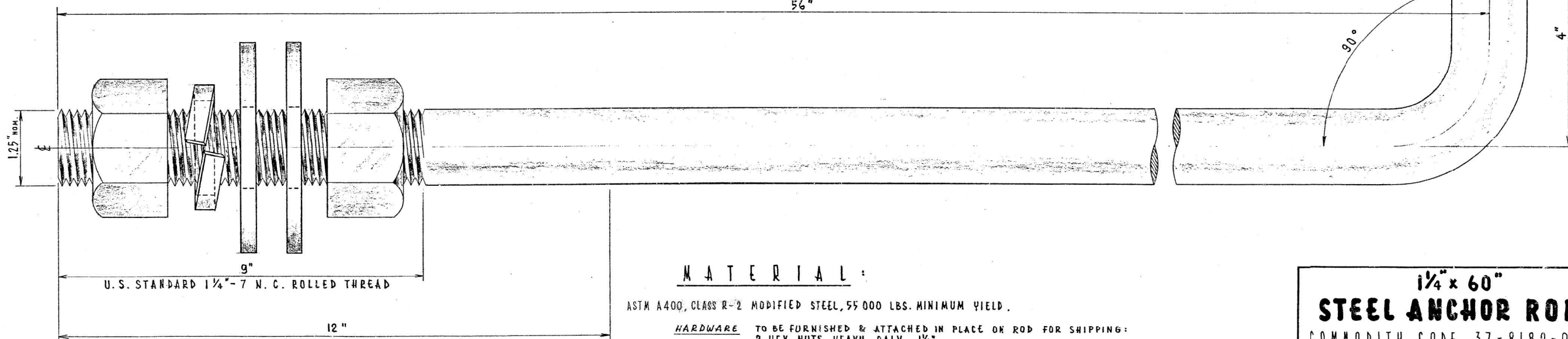
HEXAGON NUT
AMER. NAT'L. STD. HEAVY HEX. FLAT NUT
(ANSI B 18.2.2 - 1972)



FLAT WASHER
AMER. NAT'L. STD. TYPE "B"
SERIES "W"
(ANSI B 18.22.1 - 1965, R1975)



LOCK WASHER
AMER. NAT'L. STD. HELICAL SPRING LOCK WASHER
(ANSI B 18.21.1 - 1972)



A ZINC COATING, 0.0021 INCH IN THICKNESS
SHALL BE APPLIED OVER THIS LENGTH AND
COVERED WITH HEAVY NO-OX-ID, OR EQUAL,
RUST INHIBITING COMPOUND

MATERIAL:

ASTM A400, CLASS R-2 MODIFIED STEEL, 55 000 LBS. MINIMUM YIELD.

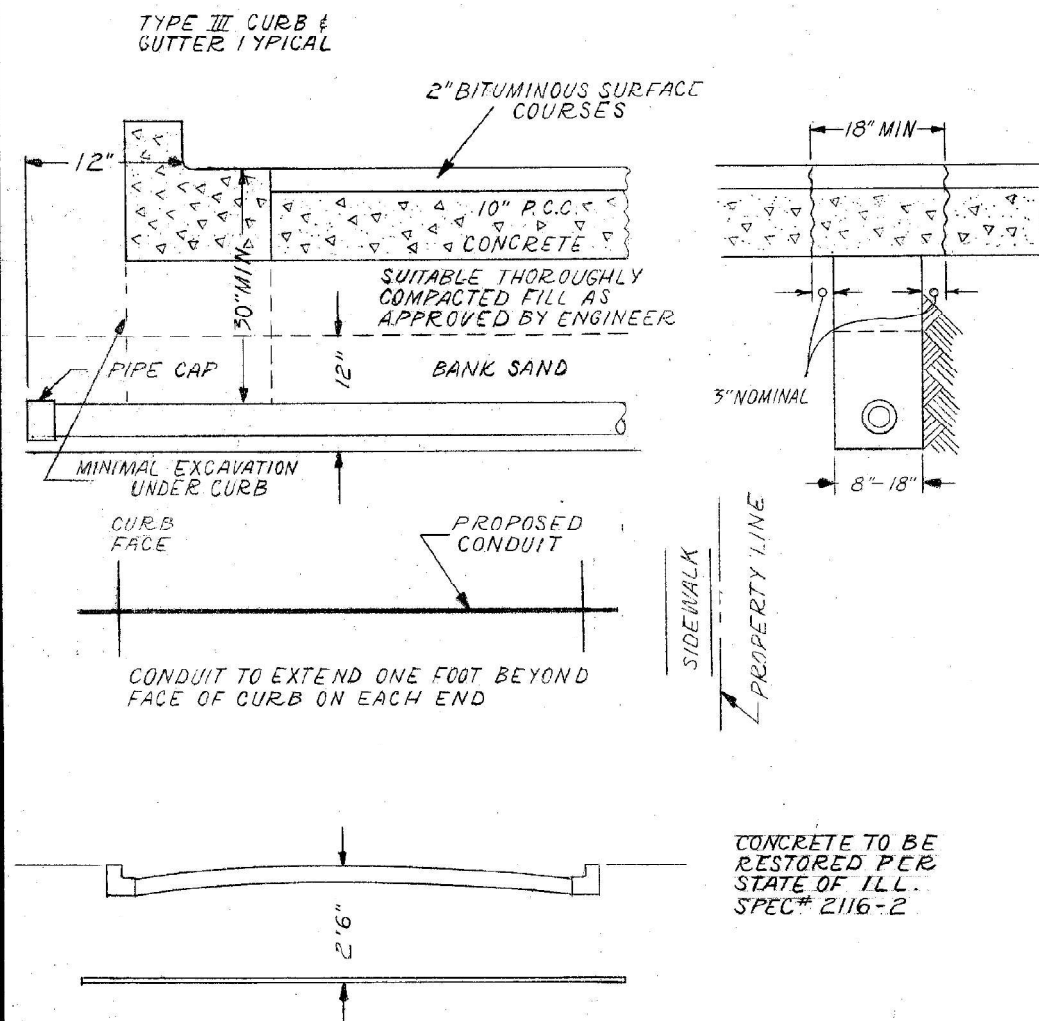
HARDWARE

TO BE FURNISHED & ATTACHED IN PLACE ON ROD FOR SHIPPING:
2 HEX. NUTS, HEAVY, GALV., 1 1/4"
2 WASHERS, STEEL, ROUND, GALV., TYPE "B", SERIES "W", 1 1/4"
1 WASHER, LOCK, STEEL, GALV., HELICAL SPRING, REGULAR, 1 1/4"
BOLT & NUTS SHALL HAVE AN AMERICAN STANDARD CLASS 2 OR 3 FIT.
(NUT IS TAPPED OVERSIZE BY 1/32")

1 1/4" x 60"			
STEEL ANCHOR ROD			
COMMODITY CODE 37-8180-0236			
REVISED	CITY OF CHICAGO DEPT. OF STREETS AND SANITATION BUREAU OF ELECTRICITY DIVISION OF ELECTRICAL ENGINEERING		
A	JULY 29, 1982	DRAWN EUGENE GERULIS	CHECKED A. DUKLESKY
B		ELEC. DESIGN ENGINEER: M. Shiner	ENGINEER M. SHINE
C		ENGINEER OF ELECTRICITY: Thomas J. Miller	DRG. NO. 811
D		DEPUTY COMMISSIONER: Charles E. Bullock	DATE AUG 3, 1982
E		SIZE 17" x 28"	SCALE
F			
G			

USER NAME = Electrical	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40.0000" / 1"	CHECKED -	REVISED -
PLOT DATE = 9/3/2025	DATE - 9/5/2025	REVISED -

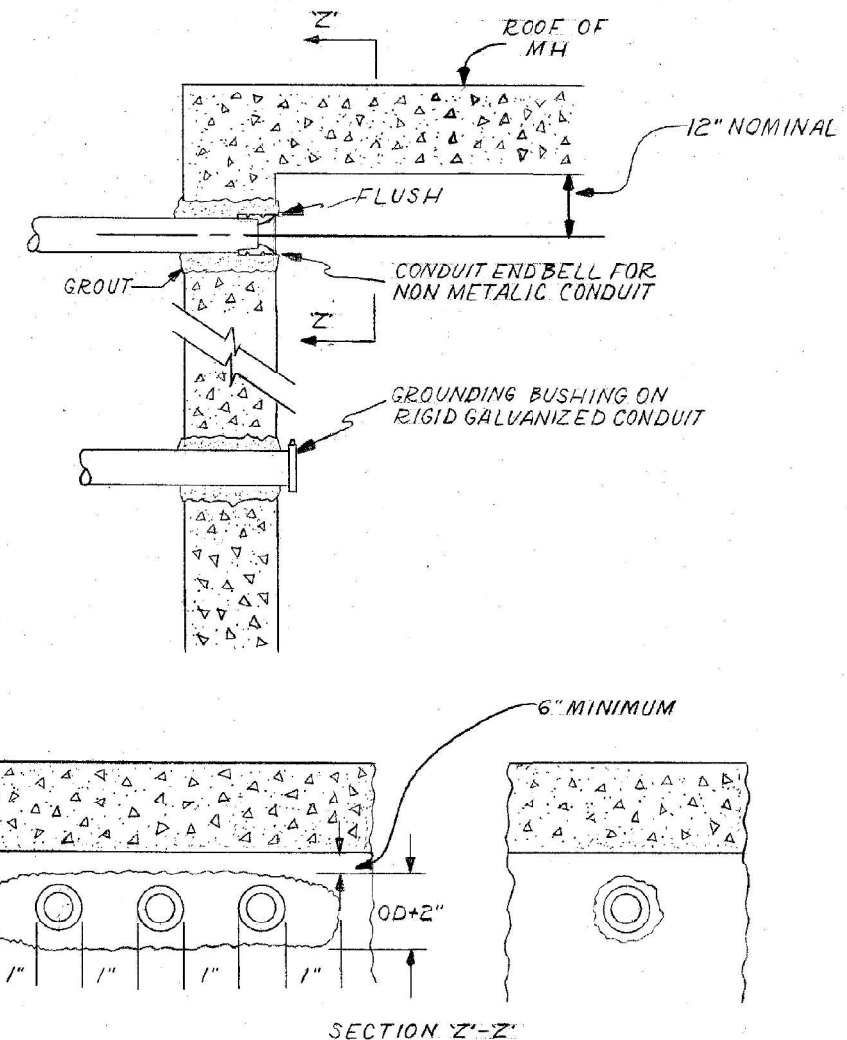
CONDUIT INSTALLATION UNDER PAVED STREET



INSTALLATION METHOD OF INSTALLING CONDUIT UNDER PAVED ROADWAY

CITY OF CHICAGO DEPT. OF STREETS AND SANITATION BUREAU OF ELECTRICITY DIVISION OF ELECTRICAL ENGINEERING		
DRAWN A.M. JOHNSON	CHECKED R. SYCKOWSKI	ENGINEER R.L. MARTIN
 ENGINEER OF ELECTRICITY		DRG. NO. 813
 DEPT. CHIEF DEPUTY CHIEF		DATE 3-13-81
SIZE 8 1/2" X 14"	SCALE N.T.S.	

CONDUIT INSTALLATION THROUGH EXISTING MANHOLE OR HANDHOLE WALL



INSTALLATION METHOD OF INSTALLING CONDUIT THRU MANHOLE WALL

CITY OF CHICAGO DEPT. OF STREETS AND SANITATION BUREAU OF ELECTRICITY DIVISION OF ELECTRICAL ENGINEERING		
DRAWN A.M. JOHNSON	CHECKED R. SYCKOWSKI	ENGINEER R.L. MARTIN
 ENGINEER OF ELECTRICITY		DRG. NO. 814
 DEPT. CHIEF DEPUTY CHIEF		DATE 3-13-81
SIZE 8 1/2" X 14"	SCALE N.T.S.	

USER NAME = Electrical	DESIGNED -	REVISED -
DRAWN -	REVISED -	
CHECKED -	REVISED -	
DATE - 9/5/2025	REVISED -	

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290		COOK	161	78
CONTRACT NO. 62U12				
ILLINOIS FED. AID PROJECT				

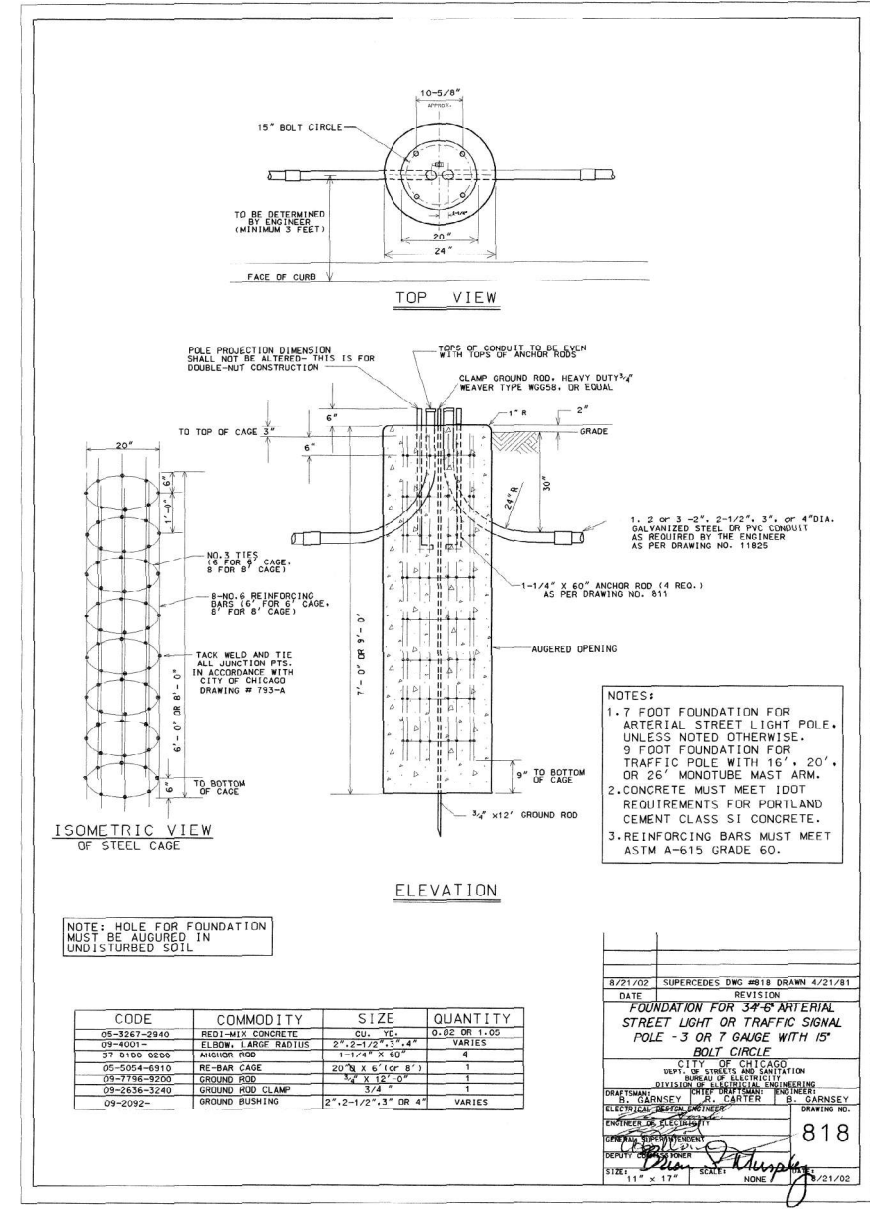
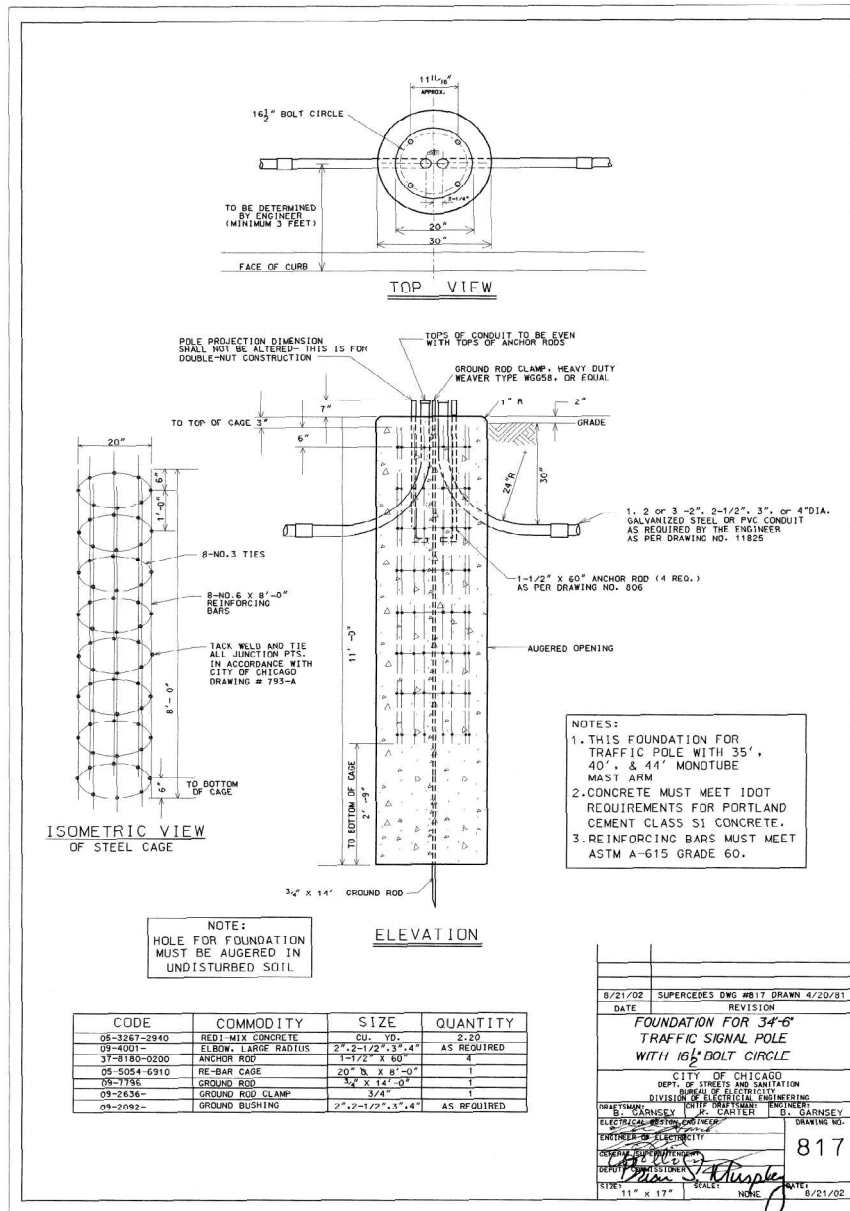
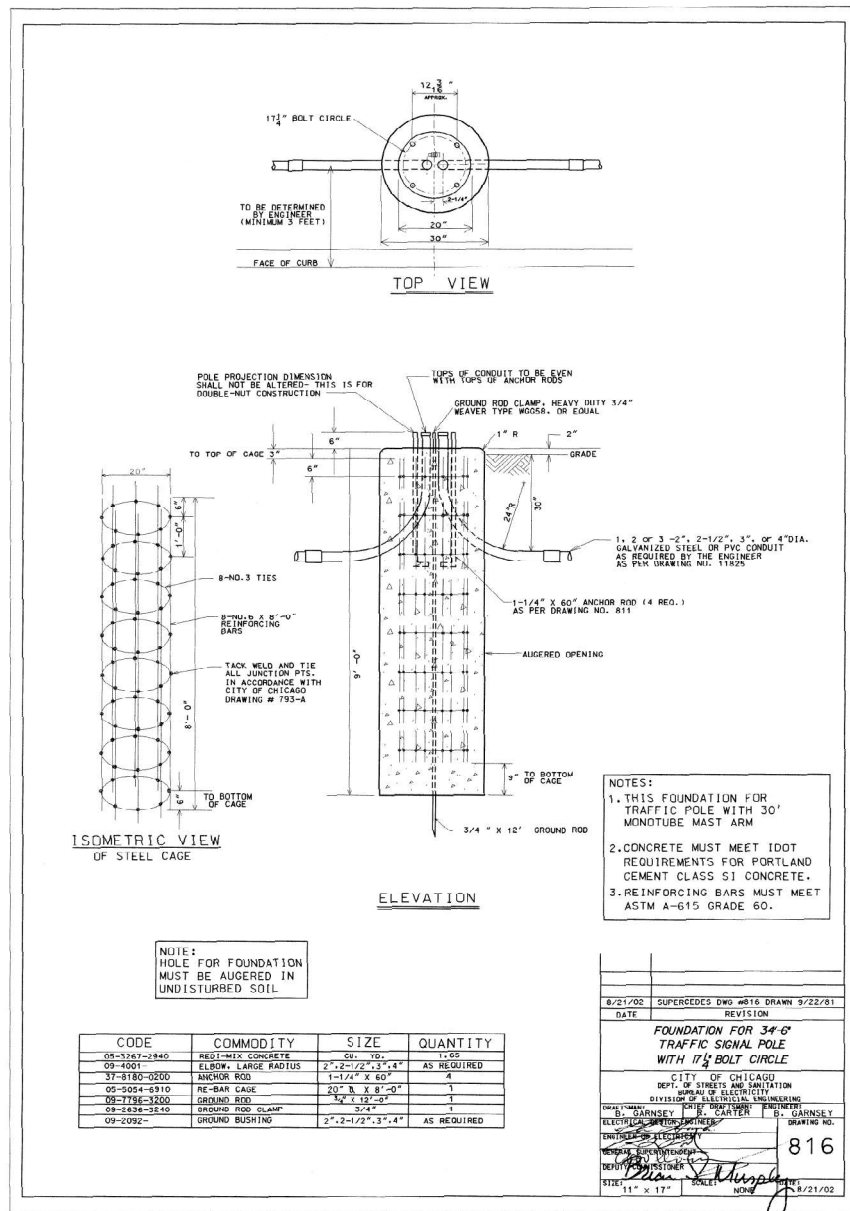
USER NAME = Electrical	DESIGNED -	REVISED -
PLOT SCALE = 40.0000' / 1"	DRAWN -	REVISED -
PLOT DATE = 9/3/2025	CHECKED -	REVISED -
	DATE = 9/5/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CDOT ELECTRICAL DETAILS

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290		COOK	161	79
CONTRACT NO. 62U12				
ILLINOIS FED. AID PROJECT				



DATE PLOTTED = 9/3/2025
PEN TABLE = 00215501.tbl
PLOT CONFIG = CG-PDF.plt
MODEL SP001NAME
FILE NAME: N:\P01\00215501\CDOT\STANDARD\62U12-CH-1-EG08-CDOT Detail.dgn
6:48:37 PM

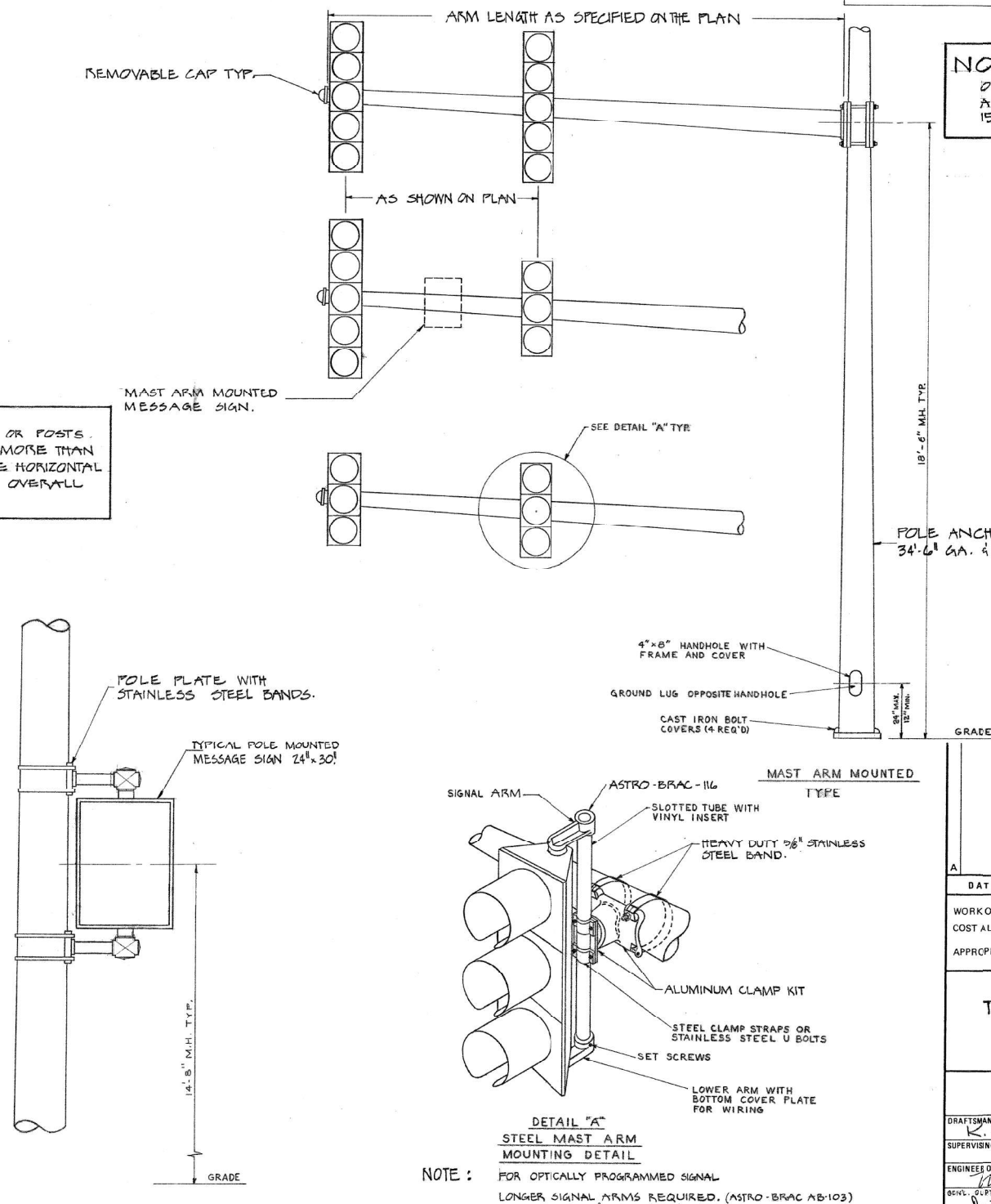
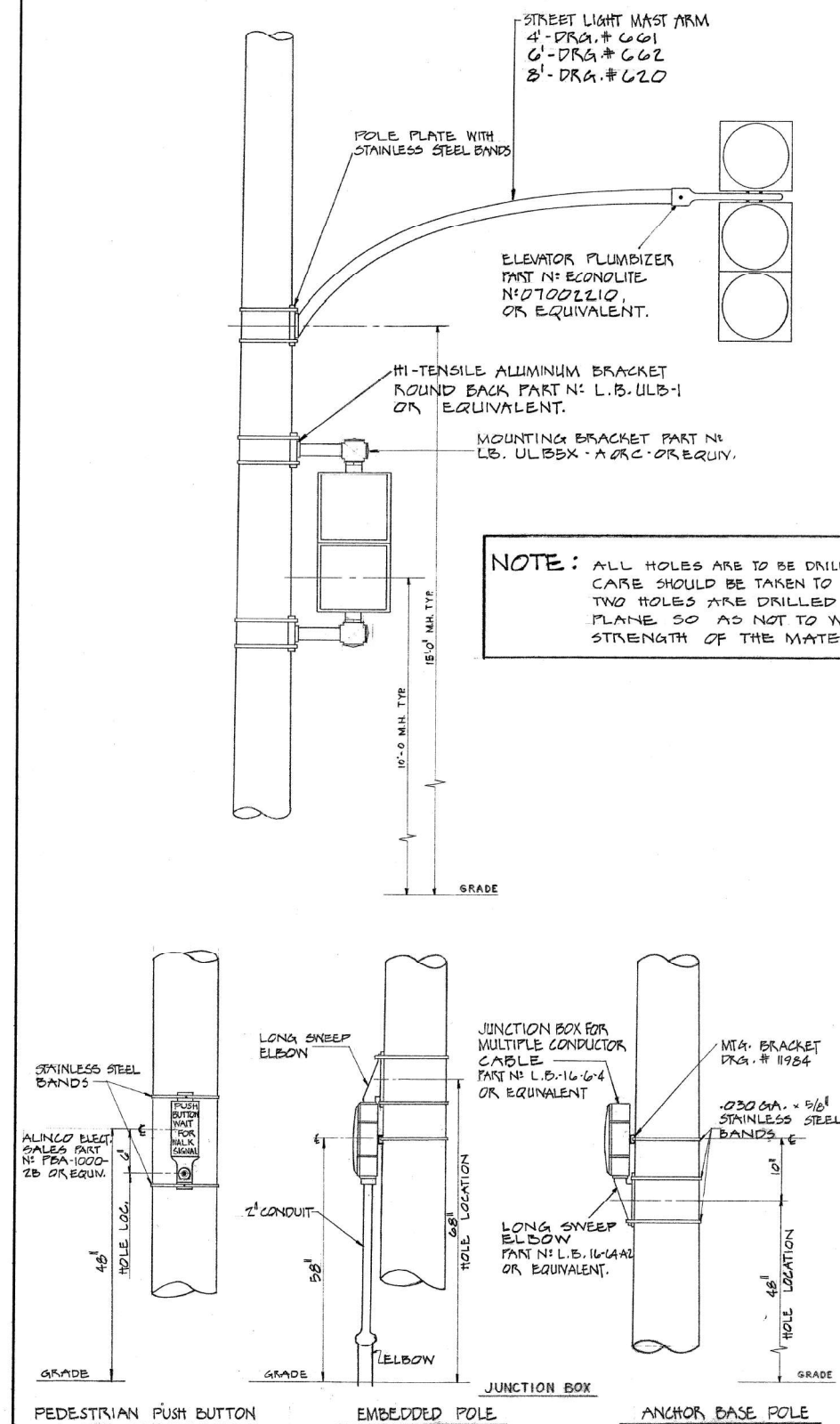
USER NAME = Electrical	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40.0000' / 1"	CHECKED -	REVISED -
PLOT DATE = 9/3/2025	DATE - 9/5/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CDOT ELECTRICAL DETAILS

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290		COOK	161	80
CONTRACT NO. 62U12				ILLINOIS FED. AID PROJECT



NOTE:
OVERHEAD SIGNALS SHALL HAVE A MINIMUM CLEARANCE OF 15'-0" ABOVE PAVEMENT GRADE.

APPROVED AS WORKING PLAN BY REVISIONS OF WORKING PLAN	FEDERAL-AID ROUTE NO. SECTION COUNTY TOTAL SHEETS SHEET NO.
	ILLINOIS PROJECT

DATE	REVISION

WORK ORDER NO.	DATE
COST ALLOCATION ACCOUNT	
APPROPRIATION ACCOUNT	MATERIAL
	LABOR

TYPICAL TRAFFIC SIGNAL MOUNTING DETAILS

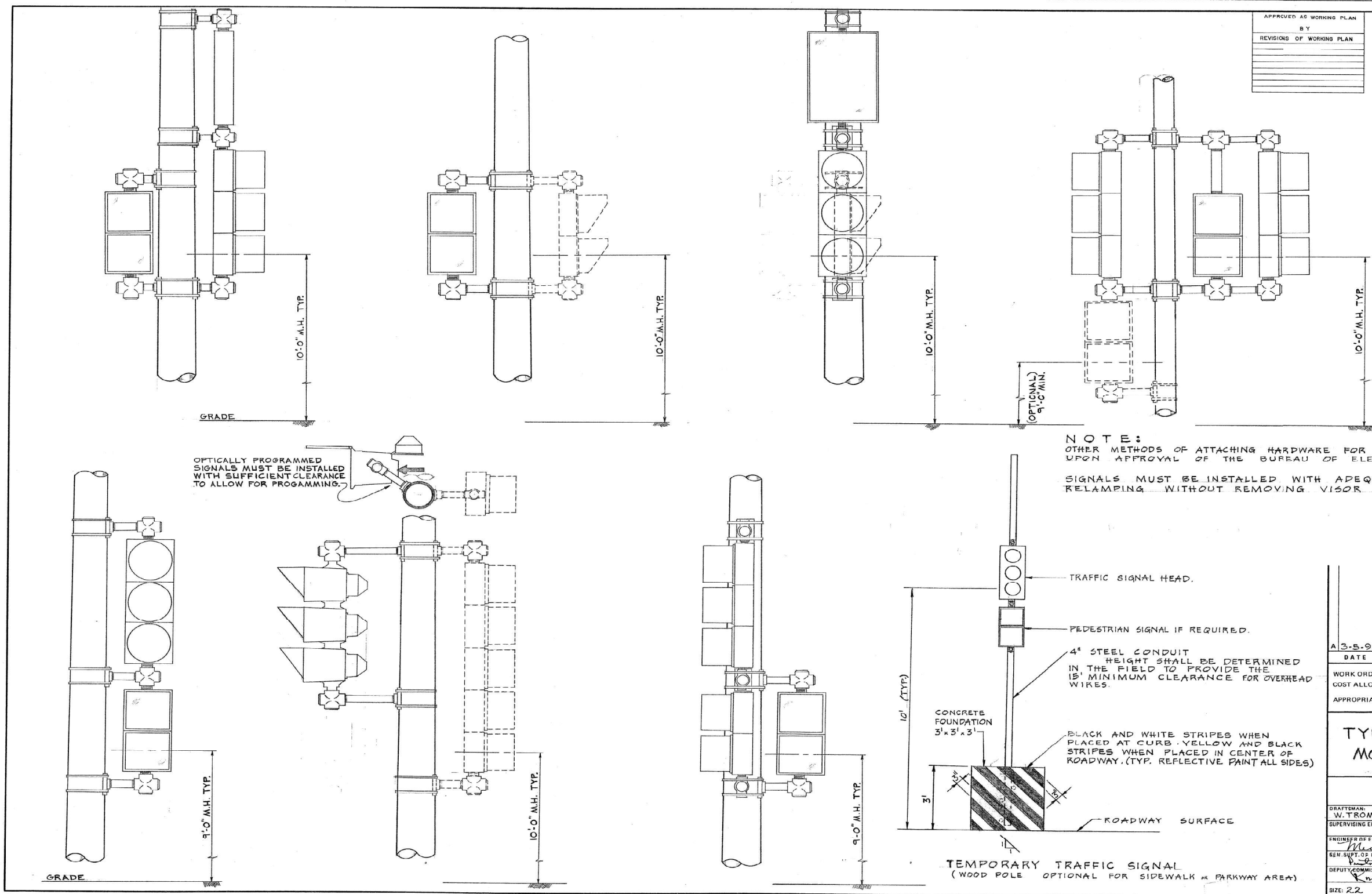
CITY OF CHICAGO
DEPT. OF STREETS AND SANITATION
BUREAU OF ELECTRICITY
DIVISION OF ELECTRICAL ENGINEERING

DRAFTSMAN: R. Frigo	CHIEF DRAFTSMAN: RJS	ENGINEER: M. DEBARTOLO
SUPERVISING ENGINEER: R. Frigo	ELECT. DESIGN ENGR.: R. Frigo	DWG. NO. 834
ENGINEER OF ELECTRICITY: Michael J. Shum	SENIOR CLERK OF ELECTRICITY: Peter V. Bell	DEPUTY COMMISSIONER: Michael J. Shum
SIZE: 1	SCALE: N.T.S.	DATE: 12-10-84

DATE PLOTTED = 9/3/2025 6:48:44 PM
PEN TABLE = 0021550.01.tbl
PLOT CONFIG = CG-PDF.plt
MODEL SPIDELIMATES
FILE NAME: N:\P\021550.01\CDOT\Signal\Signal\CDOT-Details.dgn

USER NAME = Electrical	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40.0000" / 1"	CHECKED -	REVISED -
PLOT DATE = 9/3/2025	DATE - 9/5/2025	REVISED -

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290		COOK	161	81
CONTRACT NO. 62U12				
ILLINOIS FED. AID PROJECT				



APPROVED AS WORKING PLAN	BY
REVISIONS OF WORKING PLAN	

FEDERAL-AID ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FWHA REG. NO.	ILLINOIS	PROJECT		

NOTE:
OTHER METHODS OF ATTACHING HARDWARE FOR SIGNAL HEADS MAY BE USED UPON APPROVAL OF THE BUREAU OF ELECTRICITY.
SIGNALS MUST BE INSTALLED WITH ADEQUATE CLEARANCE FOR RELAMPING WITHOUT REMOVING VISOR OR ROTATING SIGNAL.

A 3-S-93 ADDED TEMP. SIGNAL DETAIL	
DATE	REVISION
WORK ORDER NO.	DATE
COST ALLOCATION ACCOUNT	
APPROPRIATION ACCOUNT	MATERIAL
	LABOR
TYPICAL TRAFFIC SIGNAL MOUNTING DETAILS	
CITY OF CHICAGO DEPT. OF STREETS AND SANITATION BUREAU OF ELECTRICITY DIVISION OF ELECTRICAL ENGINEERING	
DRAFTSMAN: W. TROMPKA	ENGINEER: M. DeBARTOLO
SUPERVISING ENGINEER: R. J. B.	DWG. NO. 835
ENGINEER OF ELECTRICITY: R. J. B.	
GEN. Supt. OF ELECTRICITY: R. J. B.	
DEPUTY COMMISSIONER: R. J. B.	
SIZE: 22	SCALE: NONE
36	DATE: 12-10-84

DATE PLOTTED = 9/3/2025 6:48:51 PM
PEN TABLE = 0021550.01.tbl
PLOT CONFIG = CG-PDF.plt
MODEL SP00ELIMATES
FILE NAME: N:\PJ\0021550.01\CG-PDF.plt
CG-PDF.plt

USER NAME = Electrical	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 9/3/2025	DATE - 9/5/2025	REVISED -

NOTE:
BOLT COVER
NOT SHOWN

TOP OF CONDUIT BUSHING TO BE
AT SAME GRADE AS TOP OF BOLT

TOP OF FINISHED FOUNDATION

SLOPE 1" = 36"

2 3/4" FOR 3/4" ANCHOR BOLTS
5" FOR 1" ANCHOR BOLTS
5 3/4" FOR 1 1/2" ANCHOR BOLTS
6 1/2" FOR 1 1/2" ANCHOR BOLTS

ALL MEASUREMENTS ARE TO BE
GOVERNED BY REAR BOLT DUE TO
POSSIBLE SLOPE OF SIDEWALK

A ANCHOR BOLT
B HEXAGON NUT
C LOCK WASHER
D FLAT WASHER
E BASE PLATE
D FLAT WASHER
B HEXAGON NUT

REAR NUT TO BE SET TO GRADE OF
SIDEWALK OR TOP OF FOUNDATION

GRADE OF SIDEWALK

16" x 21"

INSTALLATION NOTES

- STEP 1 COAT EXPOSED PORTION OF ANCHOR BOLTS WITH APPROVED ANTI RUSTING GREASE ("NO-DX" OR EQUAL).
- STEP 2 INSTALL LOWER LEVELLING NUTS & WASHERS. SET AT PROPER GRADE WITH HAND LEVEL. USE TABLE FOR APPROPRIATE DIMENSIONS.
- STEP 3 MOUNT POLE OR PEDESTAL, ATTACH TOP WASHERS & NUTS HAND TIGHT.
- STEP 4 PLUMB POLE OR PEDESTAL AFTER ALL MASTARMS, STREET LIGHTS, TRAFFIC SIGNALS & OTHER APPURTENANCES ARE ATTACHED TO POLE & TIGHTEN ALL NUTS.
- STEP 5 ATTACH NUT COVERS WHERE REQUIRED.
- STEP 6 DO NOT GROUT IN SPACE BETWEEN BOTTOM OF POLE & TOP OF FOUNDATION. TOP OF FOUNDATION OR SURFACE OF SIDEWALK MUST BE LEFT CLEAN AND SMOOTH.
- STEP 7 POLE OR PEDESTAL IS TO BE PERFECTLY PLUMB, NO "RAKE" IS TO BE LEFT.

IF NECESSARY:

ANCHOR BOLT TO BE TRIMMED WITH SAW.
DO NOT BURN, AS THIS DRASTICALLY REDUCES
THE TENSILE STRENGTH OF ANCHOR BOLT.

COAT ANCHOR BOLT WITH RUST-OLEUM HARD HAT ZINC RICH
COMPOUND.

T A B L E

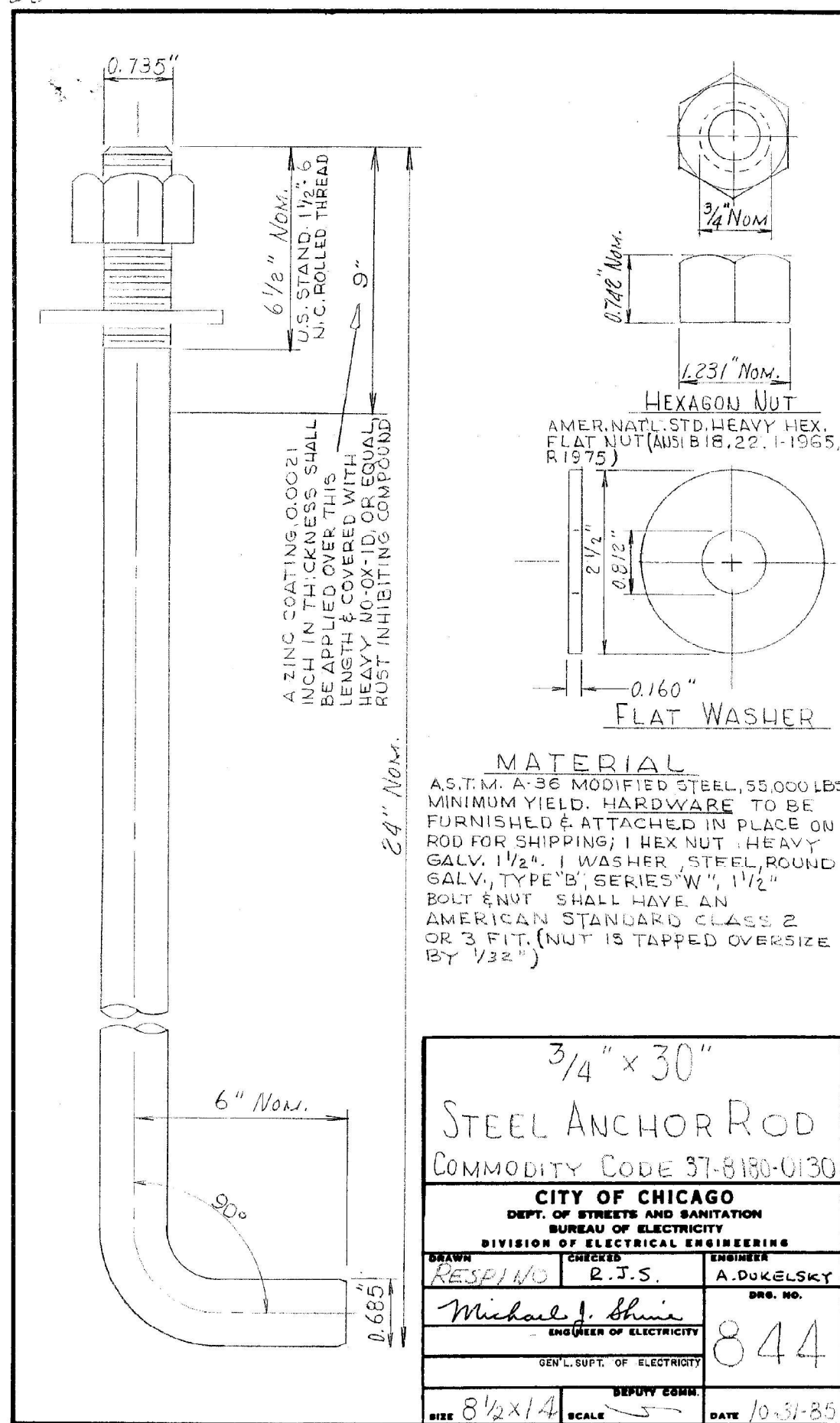
U N I T	ANCHOR BOLT SIZE						
	1"		1 1/4"		1 1/2"		3/4"
	POLE GAUGES						ALUM. PED.
	7 GA.	3 GA.	7 GA.	3 GA.	7 GA.	3 GA.	
A	7/16"	7/16"	1 1/8"	1 5/16"	1 1/8"	7/8"	3/4"
B	1"	1"	1 1/4"	1 1/4"	1 1/2"	1 1/2"	3/4"
C	1/4"	1/4"	5/16"	5/16"	3/8"	3/8"	3/16"
D	5/32"	5/32"	1/4"	1/4"	1/4"	1/4"	5/32"
E	1"	1"	1 1/4"	1 1/2"	1 1/2"	1 3/4"	5/8"

CONSTRUCTION METHOD FOR "DOUBLE-NUT" INSTALLATION OF POLES AND PEDESTALS

CITY OF CHICAGO DEPT. OF STREETS AND SANITATION BUREAU OF ELECTRICITY DIVISION OF ELECTRICAL ENGINEERING			
DRAWN BY: EUGENE GERULIS	CHIEF DRAFTSMAN: E. J. S.	ENGINEER: P. J. S.	
SUPERVISING ENGINEER:	ELEC. DESIGN ENGR.	H.W.G. N.D.	
ENGINEER OF ELECTRICITY: Michael A. Shum GEN'L. SUPT. OF ELECTRICITY			837
DEPUTY COMMISSIONER: Ronald A. Thompson			
SIZE: 22	30	1	DATE: 6-7-85

DATE PLOTTED = 9/3/2025 6:48:57 PM
PEN TABLE = 0021550.01.tbl
PLOT CONFIG = CGP-PDF.plt
MODEL \$F00DELIMARIES
FILE NAME: N:\PROJ\0021550.01\CDOT\SHS\Signal\ID162013-CH-4-TG511-CDOT Detail.dgn

USER NAME = Electrical	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40.0000" / ft.	CHECKED -	REVISED -
PLOT DATE = 9/3/2025	DATE - 9/5/2025	REVISED -



48"

PLASTIC COATED CABLE HOOK (TYP.)

DIA. 36"

FRAME & COVER DRG. #872

SEE DETAIL ROOF OF HANDHOLE

BRICK

4"

2"

6"

2 3/4"

30" MINIMUM

36"

8"

CRUSHED STONE

REINF. WIRE MES11-6"X6"

INSTALL BED OF MORTAR BETWEEN ROOF & HANDHOLE

PLASTIC COATED CABLE HOOK

10"

10"

12 1/4"

8"

(4) 10"X10" WINDOWS

SIDE ELEVATION

- (1) PRE-CAST HANDHOLE SHALL INCLUDE CABLE HOOKS AND CONDUIT KNOCK-OUTS.
- (2) PRE-CAST ROOF SHALL INCLUDE LIFTING EYES.
- (3) THESE ITEMS ARE FOR POURED-IN-PLACE HANDHOLES ONLY.

1 - 8" BED OF STONE FOR DRAINAGE.

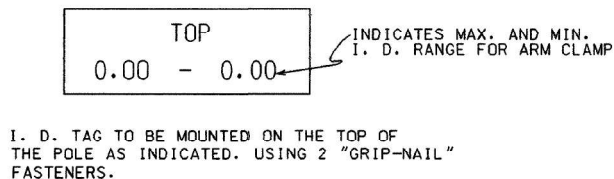
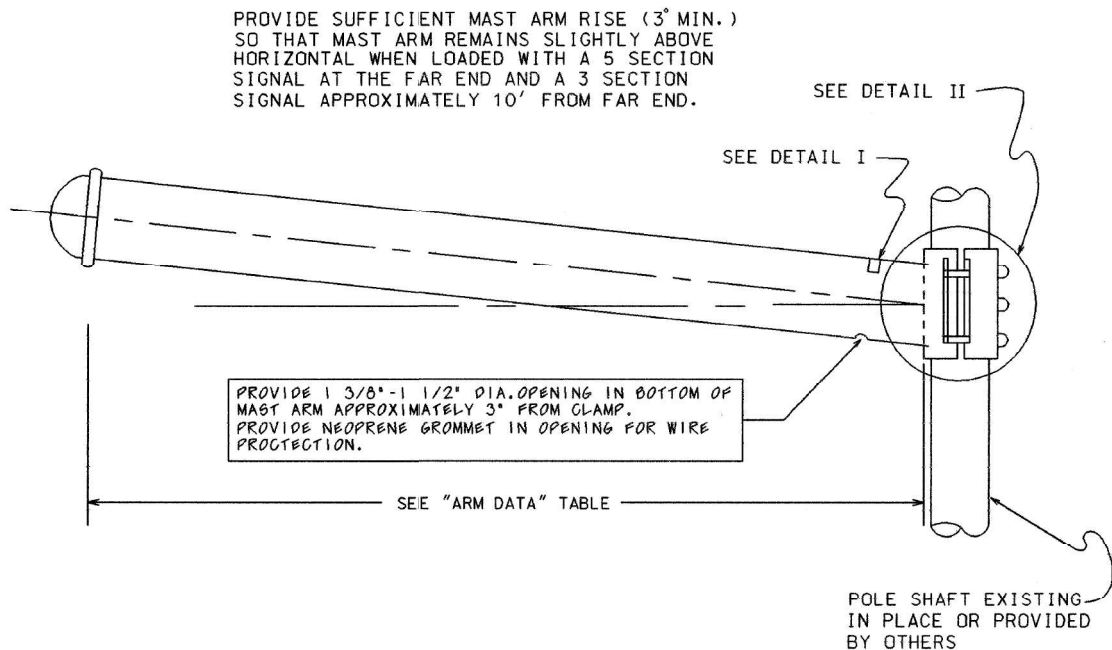
2 - ALL METALLIC CONDUIT(S) ENTERING HANDHOLE SHALL EXTEND MIN. 1" & MAX. OF 3" INSIDE INNER WALL & BE EQUIPPED WITH AN APPROVED TYPE THREADED GROUNDING BUSHING.



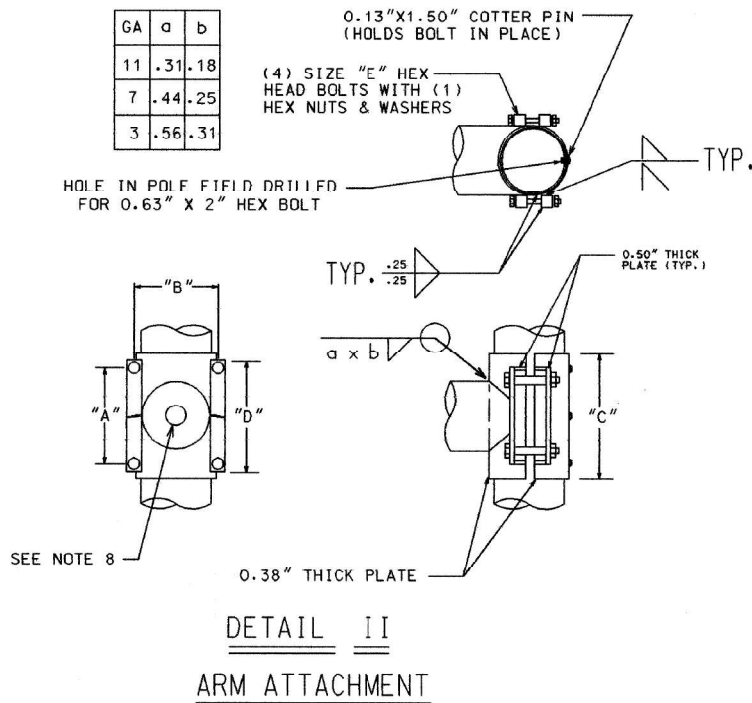
DATE PLOTTED = 9/3/2025 6:49:08 PM
PEN TABLE = 0021550.01.tbl
PLOT CONFIG = CG-PDF.plt
MODEL \$P00DELIMES
FILE NAME: N:\PJ\0021550.01\CDOT\Signal\62U12-SHA-TGS14-CDOT_Detail.dgn

USER NAME = Electrical	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40.0000" / 1"	CHECKED -	REVISED -
PLOT DATE = 9/3/2025	DATE - 9/5/2025	REVISED -

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290		COOK	161	85
CONTRACT NO. 62U12				
ILLINOIS FED. AID PROJECT				



SIGNAL ARM ATTACHMENT DATA					
CLAMP RANGE	"A"	"B"	"C"	"D"	"E"
7.45" - 7.95"	7.25"	9.92"	10.80"	10.32"	1.00" X 7.50"
8.45" - 8.95"	9.00"	10.66"	13.06"	12.50"	1.00" X 8.00"
9.95" - 10.45"	10.25"	12.66"	15.30"	13.50"	1.25" X 8.50"



ARM DATA

CLAMP RANGE (INCHES)	POLE END (INCHES)	SIGNAL END (INCHES)	LENGTH (FEET)	GAUGE	WEIGHT (POUNDS)	TEST LOAD (POUNDS)	MAX. DEFLECTION (INCHES)
7.45-7.95	7.0	4.76	16	7	241	1700	6.5
7.45-7.95	7.0	4.20	20	7	274	1300	12.0
7.45-7.95	7.0	3.36	26	7	315	1000	24.0
8.45-8.95	8.0	3.80	30	7	409	1100	29.0
9.95-10.45	9.0	4.10	35	7	529	1200	36.0
9.95-10.45	9.0	3.40	40	7	559	1000	52.0
9.95-10.45	10.0	3.84	44	7		1200	57.0

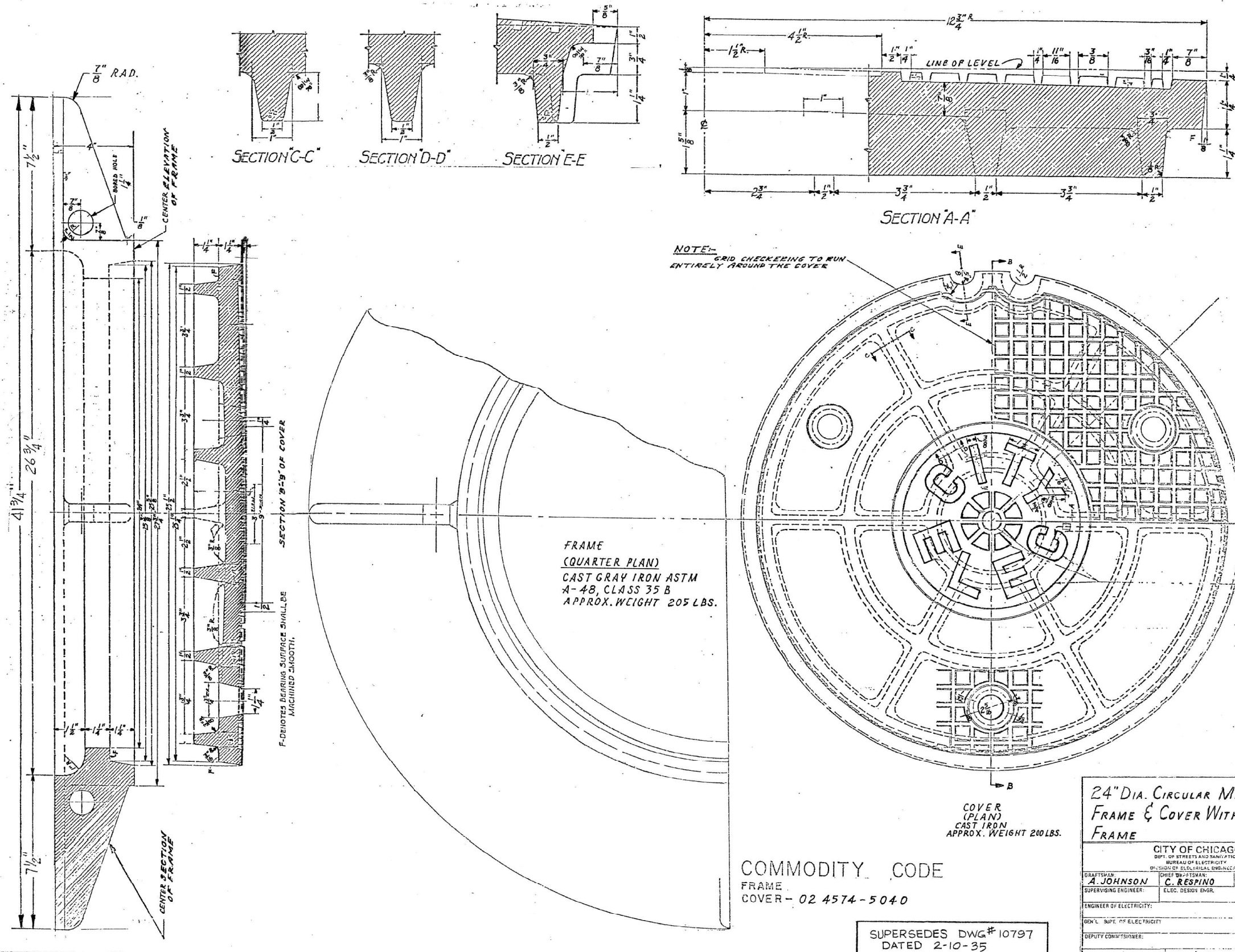
NOTES:

- TRAFFIC SIGNAL ARM SHAFT ASTM DESIGNATION: A595 GRADE C, 60,000 PSI MINIMUM YIELD STRENGTH WITH A LINEAR TAPER -0.14"/FT.
- TRAFFIC SIGNAL ARM END CAP SECURED IN PLACE WITH 3 SET SCREWS AND 1 THRU ARM END BOLT. (PLATED HARDWARE)
- ALL THREADED FASTENERS TO BE GALVANIZED TO ASTM DESIGNATION: A153
- ALL VEHICULAR AND/OR PEDESTRIAN SIGNAL LIGHTS AND NECESSARY HARDWARE FOR ATTACHMENT TO BE FIELD LOCATED AND FURNISHED BY OTHERS.
- ALL ARM END CAPS AND ARM CLAMPS TO BE FULLY ASSEMBLED AND ATTACHED TO THE ARM PRIOR TO SHIPPING.
- ARM ASSEMBLY TO BE DEGREASED; CLEANED; CHEMICALLY PRETREATED; GIVEN AN EXTERIOR THERMOSETTING POLYESTER POWDER COAT; AND AN INTERIOR THERMOPLASTIC HYDROCARBON RESIN POWDER COAT. ALL PAINTING TO BE IN ACCORDANCE WITH SPECIFICATION 1454, SECTION 8, "PAINTING".
- MAST ARM SHALL BE TESTED IN ACCORDANCE WITH SPECIFICATION 1454, SECTION 9 WITH TEST VALUES AS SHOWN ON THE "ARM DATA" TABLE.
- HOLE IN CLAMP TO BE 4.0" (MIN.). HOLE TO BE GROUND SMOOTH AND DEBURRED TO PROVIDE A SMOOTH WIRE ENTRY FROM POLE TO MAST ARM.

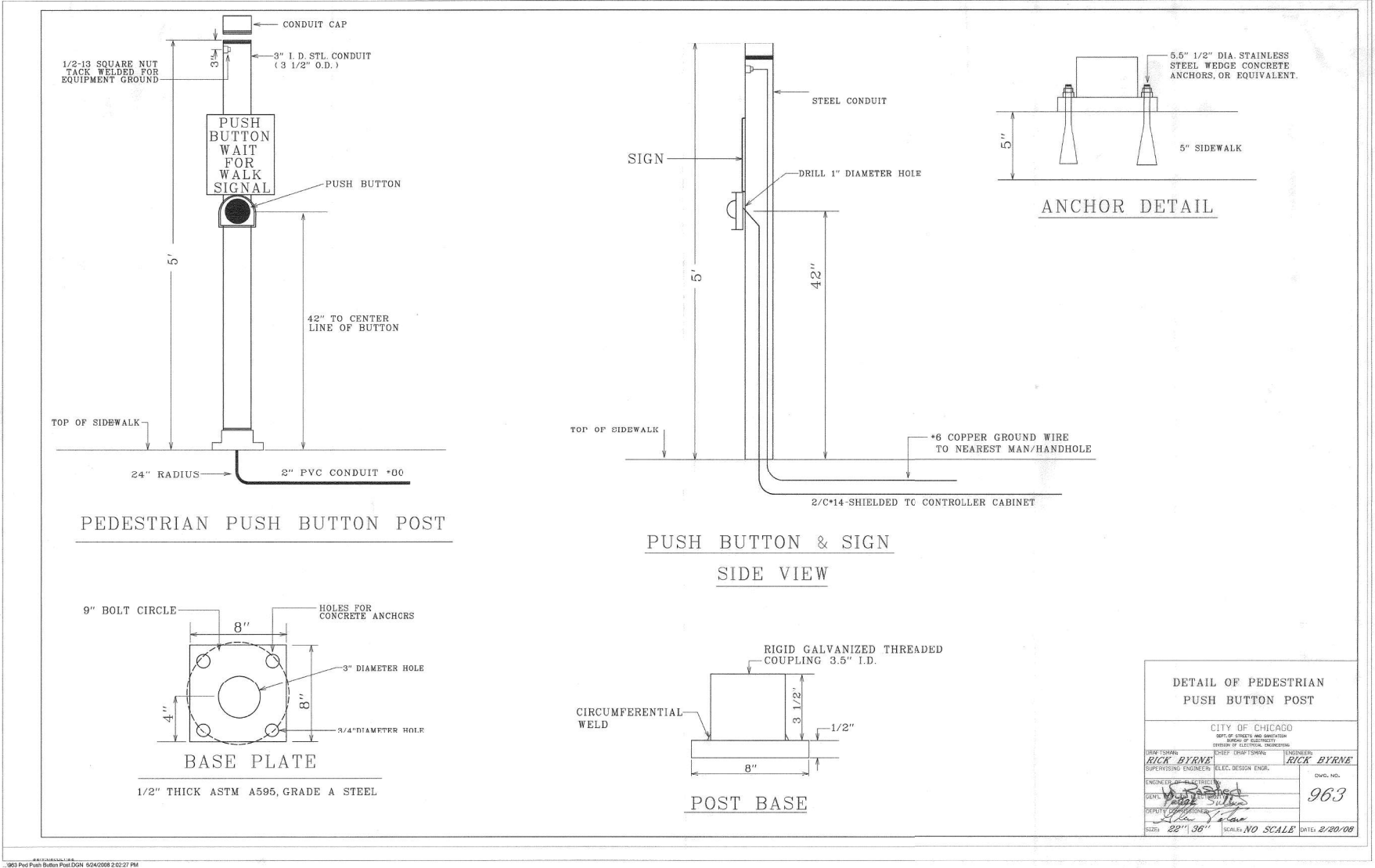
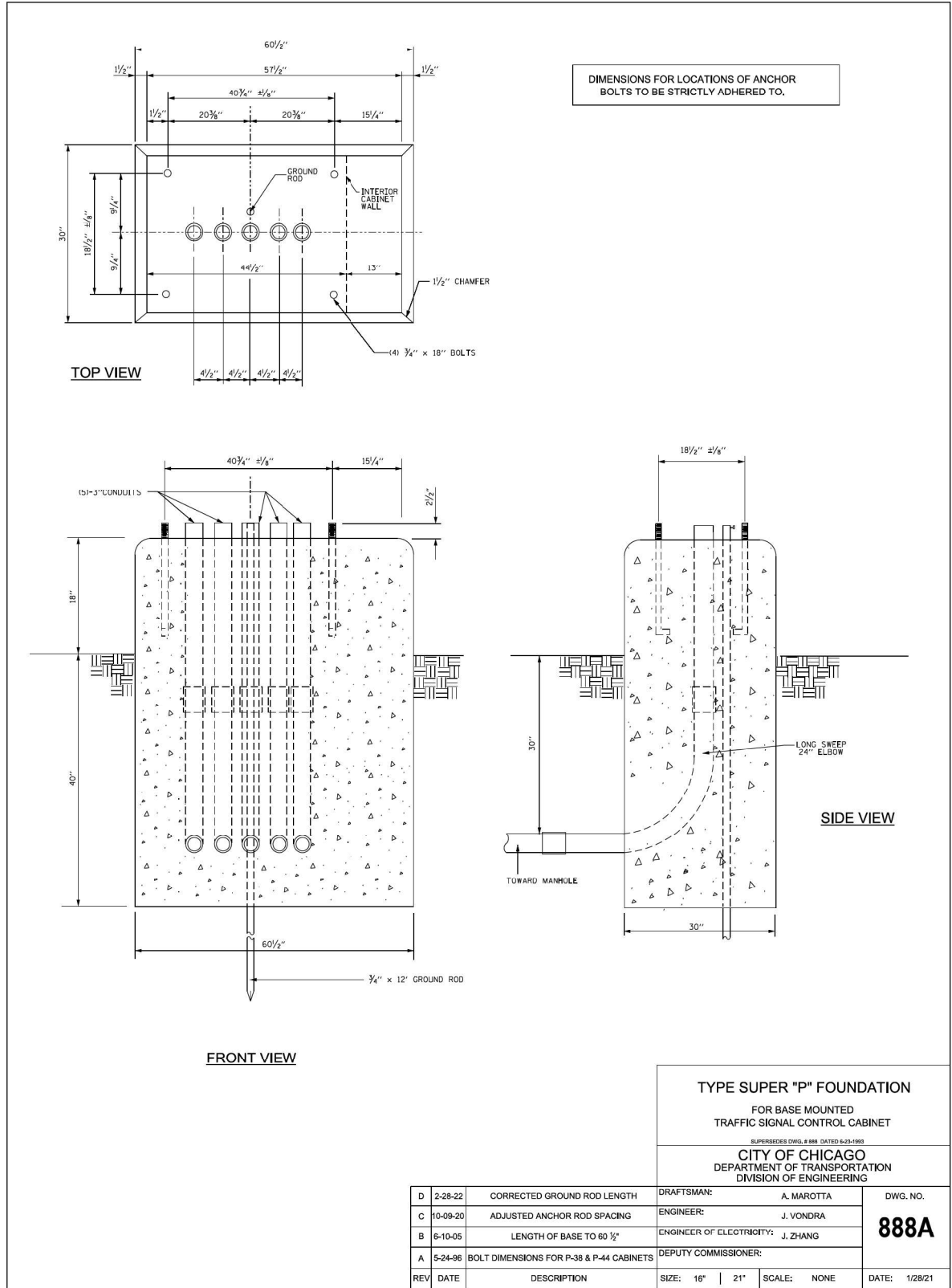
B	10-29-02	REFERENCES SPEC. 1454
A	8-6-93	WIRE OPENING ON MAST ARM
DATE		REVISION
SUPERSEDES DWG. DATED DEC. 1991		
STEEL TRAFFIC SIGNAL MAST ARM-MONOTUBE		
CITY OF CHICAGO DEPT. OF STREETS AND SANITATION BUREAU OF ELECTRICITY DIVISION OF ELECTRICAL ENGINEERING		
DRAFTSMAN: SUPERVISING ENGINEER ENGINEER OF ELECTRICITY GEN'L. SUPV. OF ELECTRICITY DEPUTY COMMISSIONER	CHIEF DRAFTSMAN: ROBERT CARTER ELEC. DESIGN ENGR.	ENGINEER: RON POOL
870		DATE: DEC. 1991
SIZE: 16"	22"	SCALE: 1/8" = 1'-0"

DATE PLOTTED = 9/3/2025 6:49:16 PM
PEN TABLE = 0021550.01.tbl
PLOT CONFIG = CG-PDF.plt
MODEL SPIDELIMES
FILE NAME: N:\PROJ\0021550.01\CDOT\SI\Signal\62U12-CH-4-TG515-CDOT Detail.dgn

USER NAME = Electrical	DESIGNED -	REVISED -
PLOT SCALE = 40.0000" / ft.	DRAWN -	REVISED -
PLOT DATE = 9/3/2025	CHECKED -	REVISED -
	DATE - 9/5/2025	REVISED -

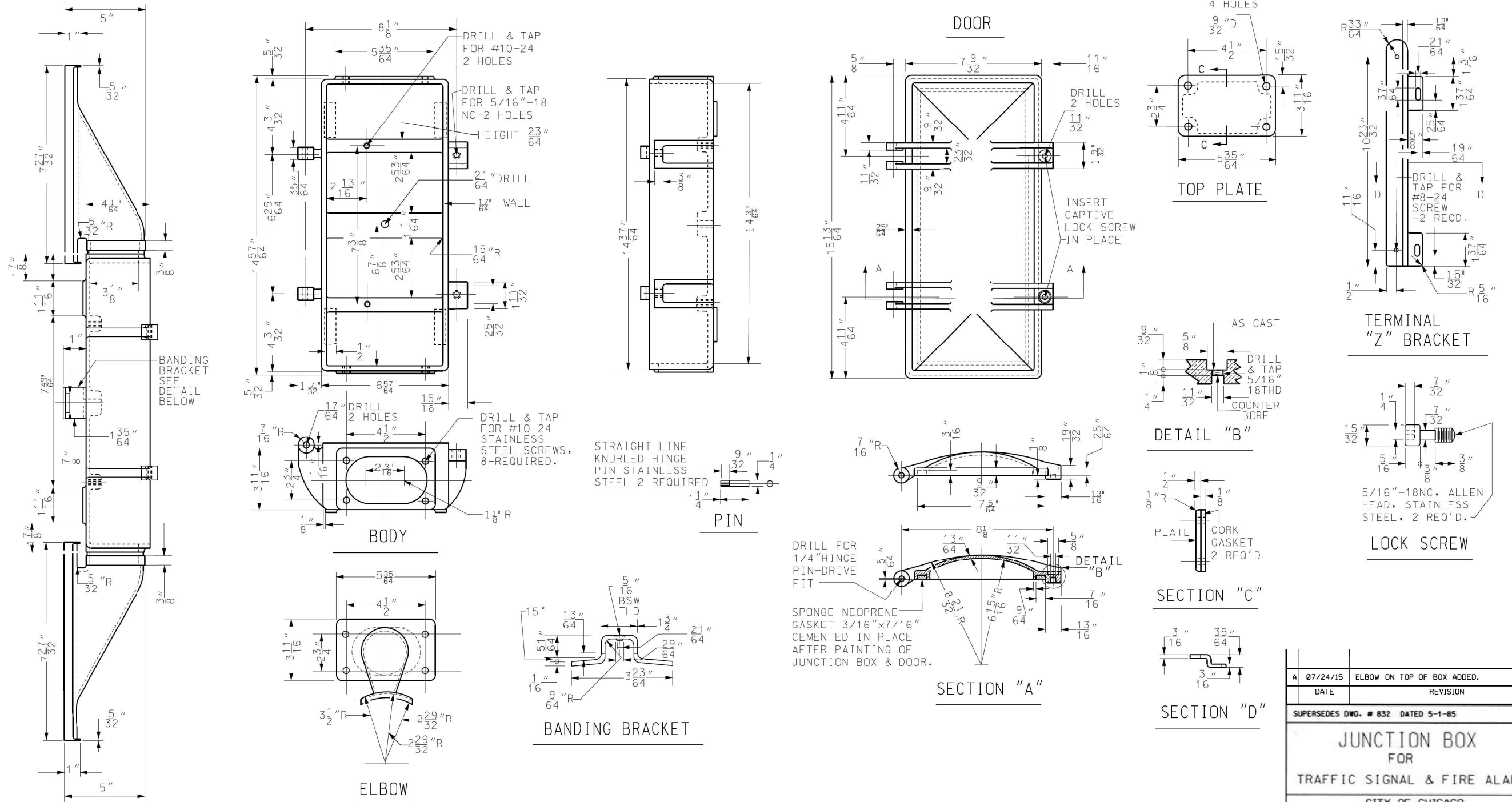


DATE PLOTTED = 9/3/2025 8:46:16 PM
PEN TABLE = 0021550.01.tbl
PLOT CONFIG = CG-PDF.plt
MODEL SPIDELIMES
FILE NAME: N:\PJ\0021550.01\CDOT\Signal\62013-CH-1-TG517-CDOT_Detail.dgn



USER NAME	= untitled	DESIGNED	-	REVISED	-
		DRAWN	-	REVISED	-
PLOT SCALE	= 40.0000" / 1"	CHECKED	-	REVISED	-
PLOT DATE	= 9/3/2025	DATE	= 9/5/2025	REVISED	-

DATE: 7/24/2015



BODY, DOOR, ELBOW & PLATE: CAST ALUMINUM ALLOY. TERMINAL MTG. BRACKET: ALUMINUM ALLOY.
SCREWS, HINGE PINS, BANDING BRACKET: STAINLESS STEEL.
CORK GASKET 1/8" THICK, TO BE FURNISHED BETWEEN FLAT PLATE AND BODY
SPONGE NEOPRENE GASKET 14⁵¹/₆₄" x 7⁵/₆₄" x 7¹/₁₆", TO BE FURNISHED BETWEEN DOOR AND BODY

A	07/24/15	ELBOW ON TOP OF BOX ADDED.																		
	DATE	REVISION																		
SUPERSEDES DWG. # 832 DATED 5-1-85																				
JUNCTION BOX FOR TRAFFIC SIGNAL & FIRE ALARM CITY OF CHICAGO DEPT. OF STREETS AND SANITATION BUREAU OF ELECTRICITY DIVISION OF ELECTRICAL ENGINEERING <table border="1" style="width: 100%;"><tr><td>DRAFTSMAN O. LETAMENDI</td><td>CHIEF DRAFTSMAN R.C.</td><td>ENGINEER O. LETAMENDI</td></tr><tr><td colspan="2">SUPERVISING ENGINEER: ELEC. DESIGN ENGR.</td><td rowspan="3">DWG. NO. 954</td></tr><tr><td colspan="2">ENGINEER OF ELECTRICITY <i>in electrical</i></td></tr><tr><td colspan="2">GENL. SUPT. OF ELECTRICITY</td></tr><tr><td colspan="2">OFFICE COMM. ENGINEER <i>Brian Murphy</i></td><td></td></tr><tr><td>SIZE: 1</td><td colspan="2">SCALES: NONE</td><td>DATE: 5-3-02</td></tr></table>				DRAFTSMAN O. LETAMENDI	CHIEF DRAFTSMAN R.C.	ENGINEER O. LETAMENDI	SUPERVISING ENGINEER: ELEC. DESIGN ENGR.		DWG. NO. 954	ENGINEER OF ELECTRICITY <i>in electrical</i>		GENL. SUPT. OF ELECTRICITY		OFFICE COMM. ENGINEER <i>Brian Murphy</i>			SIZE: 1	SCALES: NONE		DATE: 5-3-02
DRAFTSMAN O. LETAMENDI	CHIEF DRAFTSMAN R.C.	ENGINEER O. LETAMENDI																		
SUPERVISING ENGINEER: ELEC. DESIGN ENGR.		DWG. NO. 954																		
ENGINEER OF ELECTRICITY <i>in electrical</i>																				
GENL. SUPT. OF ELECTRICITY																				
OFFICE COMM. ENGINEER <i>Brian Murphy</i>																				
SIZE: 1	SCALES: NONE		DATE: 5-3-02																	

DATE PLOTTED = 9/3/2025
PLOT CONFIG = 002155001.tbl
MODEL SPOOLNAMES = CG-PDF-Intg
FILE NAME: \\P02\002155001\CG-PDF-Intg-002155001.tbl

USER NAME = Electrical	DESIGNED -	REVISED -
PLOT SCALE = 40.0000" / in.	DRAWN -	REVISED -
PLOT DATE = 9/3/2025	CHECKED -	REVISED -
	DATE - 9/5/2025	REVISED -

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290		COOK	161	89
CONTRACT NO. 62U12			ILLINOIS FED. AID PROJECT	

DATE: 5/16/2008
FILE: J:\VAL_2\STANDARD\Traffic Controller Cabinet.dgn

MA/MB-
12 CHAN MMU ASSIGN CHART

MMU	CH	MMU	CH	MMU	CH	MMU	CH	MMU	CH
1	1	1	1	1	1	1	1	1	1
2	2	2	2	2	2	2	2	2	2
3	3	3	3	3	3	3	3	3	3
4	4	4	4	4	4	4	4	4	4
5	5	5	5	5	5	5	5	5	5
6	6	6	6	6	6	6	6	6	6
7	7	7	7	7	7	7	7	7	7
8	8	8	8	8	8	8	8	8	8
9	9	9	9	9	9	9	9	9	9
10	10	10	10	10	10	10	10	10	10
11	11	11	11	11	11	11	11	11	11
12	12	12	12	12	12	12	12	12	12

MODIFICATIONS TO STANDARD CABLE WIRING

MMU	CH	MMU	CH	MMU	CH	MMU	CH	MMU	CH
1	1	1	1	1	1	1	1	1	1
2	2	2	2	2	2	2	2	2	2
3	3	3	3	3	3	3	3	3	3
4	4	4	4	4	4	4	4	4	4
5	5	5	5	5	5	5	5	5	5
6	6	6	6	6	6	6	6	6	6
7	7	7	7	7	7	7	7	7	7
8	8	8	8	8	8	8	8	8	8
9	9	9	9	9	9	9	9	9	9
10	10	10	10	10	10	10	10	10	10
11	11	11	11	11	11	11	11	11	11
12	12	12	12	12	12	12	12	12	12

MMU	CH	MMU	CH	MMU	CH	MMU	CH	MMU	CH
1	1	1	1	1	1	1	1	1	1
2	2	2	2	2	2	2	2	2	2
3	3	3	3	3	3	3	3	3	3
4	4	4	4	4	4	4	4	4	4
5	5	5	5	5	5	5	5	5	5
6	6	6	6	6	6	6	6	6	6
7	7	7	7	7	7	7	7	7	7
8	8	8	8	8	8	8	8	8	8
9	9	9	9	9	9	9	9	9	9
10	10	10	10	10	10	10	10	10	10
11	11	11	11	11	11	11	11	11	11
12	12	12	12	12	12	12	12	12	12

MMU	CH	MMU	CH	MMU	CH	MMU	CH	MMU	CH
1	1	1	1	1	1	1	1	1	1
2	2	2	2	2	2	2	2	2	2
3	3	3	3	3	3	3	3	3	3
4	4	4	4	4	4	4	4	4	4
5	5	5	5	5	5	5	5	5	5
6	6	6	6	6	6	6	6	6	6
7	7	7	7	7	7	7	7	7	7
8	8	8	8	8	8	8	8	8	8
9	9	9	9	9	9	9	9	9	9
10	10	10	10	10	10	10	10	10	10
11	11	11	11	11	11	11	11	11	11
12	12	12	12	12	12	12	12	12	12

MMU	CH	MMU	CH	MMU	CH	MMU	CH	MMU	CH
1	1	1	1	1	1	1	1	1	1
2	2	2	2	2	2	2	2	2	2
3	3	3	3	3	3	3	3	3	3
4	4	4	4	4	4	4	4	4	4
5	5	5	5	5	5	5	5	5	5
6	6	6	6	6	6	6	6	6	6
7	7	7	7	7	7	7	7	7	7
8	8	8	8	8	8	8	8	8	8
9	9	9	9	9	9	9	9	9	9
10	10	10	10	10	10	10	10	10	10
11	11	11	11	11	11	11	11	11	11
12	12	12	12	12	12	12	12	12	12

MMU	CH	MMU	CH	MMU	CH	MMU	CH	MMU	CH
1	1	1	1	1	1	1	1	1	1
2	2	2	2	2	2	2	2	2	2
3	3	3	3	3	3	3	3	3	3
4	4	4	4	4	4	4	4	4	4
5	5	5	5	5	5	5	5	5	5
6	6	6	6	6	6	6	6	6	6
7	7	7	7	7	7	7	7	7	7
8	8	8	8	8	8	8	8	8	8
9	9	9	9	9	9	9	9	9	9
10	10	10	10	10	10	10	10	10	10
11	11	11	11	11	11	11	11	11	11
12	12	12	12	12	12	12	12	12	12

MMU	CH	MMU	CH	MMU	CH	MMU	CH	MMU	CH
1	1	1	1	1	1	1	1	1	1
2	2	2	2	2	2	2	2	2	2
3	3	3	3	3	3	3	3	3	3
4	4	4	4	4	4	4	4	4	4
5	5	5	5	5	5	5	5	5	5
6	6	6	6	6	6	6	6	6	6
7	7	7	7	7	7	7	7	7	7
8	8	8	8	8	8	8	8	8	8
9	9	9	9	9	9	9	9	9	9
10	10	10	10	10	10	10	10	10	10
11	11	11	11	11	11	11	11	11	11
12	12	12	12	12	12	12	12	12	12

MMU	CH	MMU	CH	MMU	CH	MMU	CH	MMU	CH
1	1	1	1	1	1	1	1	1	1
2	2	2	2	2	2	2	2	2	2
3	3	3	3	3	3	3	3	3	3
4	4	4	4	4	4	4	4	4	4
5	5	5	5	5	5	5	5	5	5
6	6	6	6	6	6	6	6	6	6
7	7	7	7	7	7	7	7	7	7
8	8	8	8	8	8	8	8	8	8
9	9	9	9	9	9	9	9	9	9
10	10	10	10	10	10	10	10	10	10
11	11	11	11	11	11	11	11	11	11
12	12	12	12	12	12	12	12	12	12

MMU	CH	MMU	CH	MMU	CH	MMU	CH	MMU	CH
1	1	1	1	1	1	1	1	1	1
2	2	2	2	2	2	2	2	2	2
3	3	3	3	3	3	3	3	3	3
4	4	4	4	4	4	4	4	4	4
5	5	5	5	5	5	5	5	5	5
6	6	6	6	6	6	6	6	6	6
7	7	7	7	7	7	7	7	7	7
8	8	8	8	8	8	8	8	8	8
9	9	9	9	9	9	9	9	9	9
10	10	10	10	10	10	10	10	10	10
11	11	11	11	11	11	11	11	11	11
12	12	12	12	12	12	12	12	12	12

MMU	CH	MMU	CH	MMU	CH	MMU	CH	MMU	CH
1	1	1	1	1	1	1	1	1	1
2	2	2	2	2	2	2	2	2	2
3	3	3	3	3	3	3	3	3	3
4	4	4	4	4	4	4	4	4	4
5	5	5	5	5	5	5	5	5	5
6	6	6	6	6	6	6	6	6	6
7	7	7	7	7	7	7	7	7	7
8	8	8	8	8	8	8	8	8	8
9	9	9	9	9	9	9	9	9	9
10	10	10	10	10	10	10	10	10	10
11	11	11	11	11	11	11	11	11	11
12	12	12	12	12	12	12	12	12	12

MMU	CH	MMU	CH	MMU	CH	MMU	CH	MMU	CH
1	1	1	1	1	1	1	1	1	1
2	2	2	2	2	2	2	2	2	2
3	3	3	3	3	3	3	3	3	3
4	4	4	4	4	4	4	4	4	4
5	5	5	5	5	5	5	5	5	5
6	6	6	6	6	6	6	6	6	6
7	7	7	7	7	7	7	7	7	7
8	8	8	8	8	8	8	8	8	8
9	9	9	9	9	9	9	9	9	9
10	10	10	10	10	10	10	10	10	10
11	11	11	11	11	11	11	11	11	11
12	12	12	12	12	12	12	12	12	12

MMU	CH	MMU	CH	MMU	CH	MMU	CH	MMU	CH
1	1	1	1	1	1	1	1	1	1
2	2	2	2	2	2	2	2	2	2
3	3	3	3	3	3	3	3	3	3
4	4	4	4	4	4	4	4	4	4
5	5	5	5	5	5	5	5	5	5
6	6	6	6	6	6	6	6	6	6
7	7	7	7	7	7	7	7	7	7
8	8	8	8	8	8	8	8	8	8
9	9	9	9	9	9	9	9	9	9
10	10	10	10	10	10	10	10	10	10
11	11	11	11	11	11	11	11	11	11
12	12	12	12	12	12	12	12	12	12

-MA/MB-				G WRA	K THL	5 YEL	314
				L WHA		6 GRN	515
				J GRN		6 RED	516
				L W/BLK		6 YEL	517
				K W/BRN		6 GRN	518
				H BLU		7 RED	519
				W W/RED		7 YEL	520
				J W/ORA		7 GRN	521
				G W/O		8 RED	522

-MA-		-MB-		FUNCTION	TERM
PIN	COLOR	PIN	COLOR		
1	Red	1	Red	MA0	MA0
2	Red	2	Red	MA1	MA1
3	Red	3	Red	MA2	MA2
4	Red	4	Red	MA3	MA3
5	Red	5	Red	MA4	MA4
6	Red	6	Red	MA5	MA5
7	Red	7	Red	MA6	MA6
8	Red	8	Red	MA7	MA7
9	Red	9	Red	MA8	MA8
10	Red	10	Red	MA9	MA9
11	Red	11	Red	MA10	MA10
12	Red	12	Red	MA11	MA11
13	Red	13	Red	MA12	MA12
14	Red	14	Red	MA13	MA13
15	Red	15	Red	MA14	MA14
16	Red	16	Red	MA15	MA15
17	Red	17	Red	MA16	MA16
18	Red	18	Red	MA17	MA17
19	Red	19	Red	MA18	MA18
20	Red	20	Red	MA19	MA19
21	Red	21	Red	MA20	MA20
22	Red	22	Red	MA21	MA21
23	Red	23	Red	MA22	MA22
24	Red	24	Red	MA23	MA23
25	Red	25	Red	MA24	MA24
26	Red	26	Red	MA25	MA25
27	Red	27	Red	MA26	MA26
28	Red	28	Red	MA27	MA27
29	Red	29	Red	MA28	MA28
30	Red	30	Red	MA29	MA29
31	Red	31	Red	MA30	MA30
32	Red	32	Red	MA31	MA31
33	Red	33	Red	MA32	MA32
34	Red	34	Red	MA33	MA33
35	Red	35	Red	MA34	MA34
36	Red	36	Red	MA35	MA35
37	Red	37	Red	MA36	MA36
38	Red	38	Red	MA37	MA37
39	Red	39	Red	MA38	MA38
40	Red	40	Red	MA39	MA39
41	Red	41	Red	MA40	MA40
42	Red	42	Red	MA41	MA41
43	Red	43	Red	MA42	MA42
44	Red	44	Red	MA43	MA43
45	Red	45	Red	MA44	MA44
46	Red	46	Red	MA45	MA45
47	Red	47	Red	MA46	MA46
48	Red	48	Red	MA47	MA47
49	Red	49	Red	MA48	MA48
50	Red	50	Red	MA49	MA49
51	Red	51	Red	MA50	MA50
52	Red	52	Red	MA51	MA51
53	Red	53	Red	MA52	MA52
54	Red	54	Red	MA53	MA53
55	Red	55	Red	MA54	MA54
56	Red	56	Red	MA55	MA55
57	Red	57	Red	MA56	MA56
58	Red	58	Red	MA57	MA57
59	Red	59	Red	MA58	MA58
60	Red	60	Red	MA59	MA59
61	Red	61	Red	MA60	MA60
62	Red	62	Red	MA61	MA61
63	Red	63	Red	MA62	MA62
64	Red	64	Red	MA63	MA63
65	Red	65	Red	MA64	MA64
66	Red	66	Red	MA65	MA65
67	Red	67	Red	MA66	MA66
68	Red	68	Red	MA67	MA67
69	Red	69	Red	MA68	MA68
70	Red	70	Red	MA69	MA69
71	Red	71	Red	MA70	MA70
72	Red	72	Red	MA71	MA71
73	Red	73	Red	MA72	MA72
74	Red	74	Red	MA73	MA73
75	Red	75	Red	MA74	MA74
76	Red	76	Red	MA75	MA75
77	Red	77	Red	MA76	MA76
78	Red	78	Red	MA77	MA77
79	Red	79	Red	MA78	MA78
80	Red	80	Red	MA79	MA79
81	Red	81	Red	MA80	MA80
82	Red	82	Red	MA81	MA81
83	Red	83	Red	MA82	MA82
84	Red	84	Red	MA83	MA83
85	Red	85	Red	MA84	MA84
86	Red	86	Red	MA85	MA85
87	Red	87	Red	MA86	MA86
88	Red	88	Red	MA87	MA87
89	Red	89	Red	MA88	MA88
90	Red	90	Red	MA89	MA89
91	Red	91	Red	MA90	MA90
92	Red	92	Red	MA91	MA91
93	Red	93	Red	MA92	MA92
94	Red	94	Red	MA93	MA93
95	Red	95	Red	MA94	MA94
96	Red	96	Red	MA95	MA95
97	Red	97	Red	MA96	MA96
98	Red	98	Red	MA97	MA97
99	Red	99	Red	MA98	MA98
100	Red	100	Red	MA99	MA99
101	Red	101	Red	MA100	MA100
102	Red	102	Red	MA101	MA101
103	Red	103	Red	MA102	MA102
104	Red	104	Red	MA103	MA103
105	Red	105	Red	MA104	MA104
106	Red	106	Red	MA105	MA105
107	Red	107	Red	MA106	MA106
108	Red	108	Red	MA107	MA107
109	Red	109	Red	MA108	MA108
110	Red	110	Red	MA109	MA109
111	Red	111	Red	MA110	MA110
112	Red	112	Red	MA111	MA111
113	Red	113	Red	MA112	MA112
114	Red	114	Red	MA113	MA113
115	Red	115	Red	MA114	MA114
116	Red	116	Red	MA115	MA115
117	Red	117	Red	MA116	MA116
118	Red	118	Red	MA117	MA117
119	Red	119	Red	MA118	MA118
120	Red	120	Red	MA119	MA119
121	Red	121	Red	MA120	MA120
122	Red	122	Red	MA121	MA121
123	Red	123	Red	MA122	MA122
124	Red	124	Red	MA123	MA123
125	Red	125	Red	MA124	MA124
126	Red	126	Red	MA125	MA125
127	Red	127	Red	MA126	MA126
128	Red	128	Red	MA127	MA127
129	Red	129	Red	MA128	MA128
130	Red	130	Red	MA129	MA129
131	Red	131	Red	MA130	MA130
132	Red	132	Red	MA131	MA131
133	Red	133	Red	MA132	MA132
134	Red	134	Red	MA133	MA133
135	Red	135	Red	MA134	MA134
136	Red	136	Red	MA135	MA135
137	Red	137	Red	MA136	MA136
138	Red	138	Red	MA137	MA137
139	Red	139	Red	MA138	MA138
140	Red	140	Red	MA139	MA139
141	Red	141	Red	MA140	MA140
142	Red	142	Red	MA141	MA141
143	Red	143	Red	MA142	MA142
144	Red	144	Red	MA143	MA143
145	Red	145	Red	MA144	MA144
146	Red	146	Red	MA145	MA145
147	Red	147	Red	MA146	MA146
148	Red	148	Red	MA147	MA147
149	Red	149	Red	MA148	MA148
150	Red	150	Red	MA149	MA149
151	Red	151	Red	MA150	MA150
152	Red	152	Red	MA151	MA151
153	Red	153	Red	MA152	MA152
154	Red	154	Red	MA153	MA153
155	Red	155	Red	MA154	MA154
156	Red	156	Red	MA155	MA155
157	Red	157	Red	MA156	MA156
158	Red	158	Red	MA157	MA157
159	Red	159	Red	MA158	MA158
160	Red	160	Red	MA159	MA159
161	Red	161	Red	MA160	MA160
162	Red	162	Red	MA161	MA161
163	Red	163	Red	MA162	MA162
164	Red	164	Red	MA163	MA163
165	Red	165	Red	MA164	MA164
166	Red	166	Red	MA165	MA165
167	Red	167	Red	MA166	MA166
168	Red	168	Red	MA167	MA167
169	Red	169	Red	MA168	MA168
170	Red	170	Red	MA169	MA169
171	Red	171	Red	MA170	MA170
172	Red	172	Red	MA171	MA171
173	Red	173	Red	MA172	MA172
174	Red	174	Red	MA173	MA173
175	Red	175	Red	MA174	MA174
176	Red	176	Red	MA175	MA175
177	Red	177	Red	MA176	MA176
178	Red	178	Red	MA177	MA177
179	Red	179	Red	MA178	MA178
180	Red	180	Red	MA179	MA179
181	Red	181	Red	MA180	MA180
182	Red	182	Red	MA181	MA181
183	Red	183	Red	MA182	MA182
184	Red	184	Red	MA183	MA183
185	Red	185	Red	MA184	MA184
186	Red	186	Red	MA185	MA185
187	Red	187	Red	MA186	MA186
188	Red	188	Red	MA187	MA187
189	Red	189	Red	MA188	MA188
190	Red	190	Red	MA189	MA189
191	Red	191	Red	MA190	MA190
192	Red	192	Red	MA191	MA191
193	Red	193	Red	MA192	MA192
194	Red	194	Red	MA193	MA193
195	Red	195	Red	MA194	MA194
196	Red	196	Red	MA195	MA195
197	Red	197	Red	MA196	MA196
198	Red	198	Red	MA197	MA197
199	Red	199	Red	MA198	MA198
200	Red	200	Red	MA199	MA199
201	Red	201	Red	MA200	MA200
202	Red	202	Red	MA201	MA201
203	Red	203	Red	MA202	MA202
204	Red	204	Red	MA203	MA203
205	Red	205	Red	MA204	MA204
206	Red	206	Red	MA205	MA205
207	Red	207	Red	MA206	MA206
208	Red	208	Red	MA207	MA207
209	Red	209	Red	MA208	MA208
210	Red	210	Red	MA209	MA209
211	Red	211	Red	MA210	MA210
212	Red	212	Red	MA211	MA211
213	Red	213	Red	MA212	MA212
214	Red	214	Red	MA213	MA213
215	Red	215	Red	MA214	MA214
216	Red	216	Red	MA215	MA215
217	Red	217	Red	MA216	MA216
218	Red	218	Red	MA217	MA217
219	Red	219	Red	MA218	MA218
220	Red	220	Red	MA219	MA219
221	Red	221	Red	MA220	MA220
222	Red	222	Red	MA221	MA221
223	Red	223	Red	MA222	MA222
224	Red	224	Red	MA223	MA223
225	Red	225	Red	MA224	MA224
226	Red	226	Red	MA225	MA225
227	Red	227	Red	MA226	MA226
228	Red	228	Red	MA227	MA227
229	Red	229	Red	MA228	MA228
230	Red	230	Red	MA229	MA229
231	Red	231	Red	MA230	MA230
232	Red	232	Red	MA231	MA231
233	Red	233	Red	MA232	MA232
234	Red	234	Red	MA233	MA233
235	Red	235	Red	MA234	MA234
236	Red	236	Red	MA235	MA235
237	Red	237	Red	MA236	MA236
238	Red	238	Red	MA237	MA237
239	Red	239	Red	MA238	MA238
240	Red	240	Red	MA239	MA239
241	Red	241	Red	MA240	MA240
242	Red	242	Red	MA241	MA241
243	Red	243	Red	MA242	MA242
244	Red	244	Red	MA243	MA243
245	Red	245	Red	MA244	MA244
246	Red	246	Red	MA245	MA245
247	Red	247	Red	MA246	MA246
248	Red	248	Red	MA247	

USER NAME = Electrical	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40.0000" / 1"	CHECKED -	REVISED -
PLOT DATE = 9/3/2025	DATE - 9/5/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

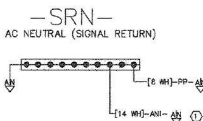
CDOT ELECTRICAL DETAILS

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

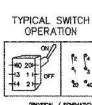
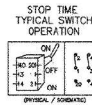
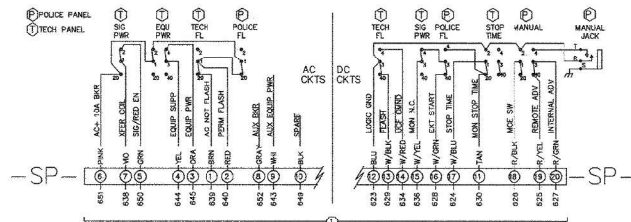
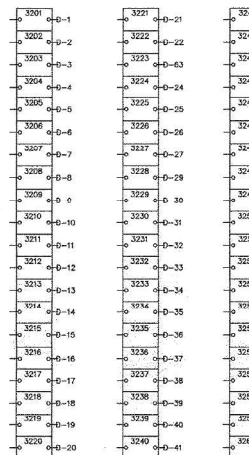
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290		COOK	161	90
CONTRACT NO. 62U12				
ILLINOIS FED. AID PROJECT				

DATE: 8/16/2008
FILE: J:\VALL\2\STANDARD\Traffic Controller Cabinet.dgn

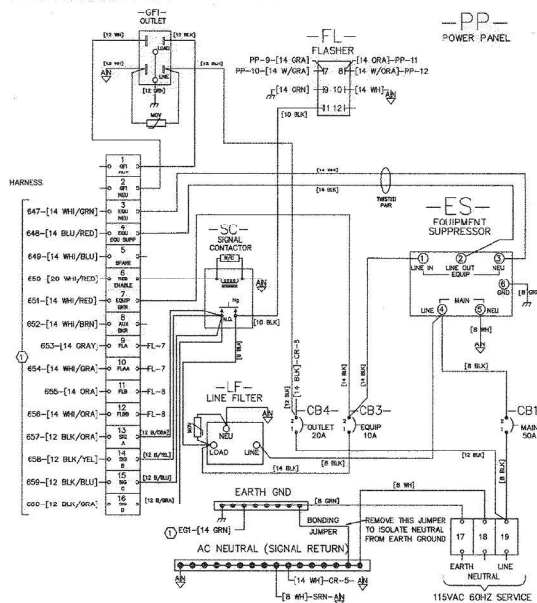
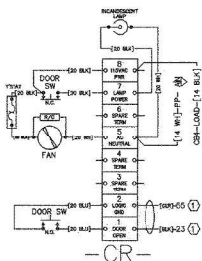
PN#	WIRE	WIRE	FUNCTION	TERM
1	D-1	BROWN	FLASH MONITOR 1	3201
2	D-2	RED	CYCLE 5	3202
3	D-3	ORANGE	PE #1 CLEAR	3203
4	D-4	YELLOW	PE #3 CLEAR	3204
5	D-5	BLUE	FLASH MONITOR 2	3205
6	D-6	VIOLET	SPARE INPUT 7	3206
7	D-7	GRAY	SYSTEM INPUT	3207
8	D-8	WH/BLK	AZ RES	3208
9	D-9	WH/BRN	PE #2 CLEAR	3209
10	D-10	WH/RED	UD 6 INPUT	3210
11	D-11	WH/ORA	GALL TO WFFK 10	3211
12	D-12	WH/YEL	SIGNAL PLAN 6	3212
13	D-13	WH/GRN	SIGNAL PLAN 7	3213
14	D-14	WH/BLU	SIGNAL PLAN 8	3214
15	D-15	WH/VIO	ACTUATION 5	3215
16	D-16	WH/GRAY	ACTUATION 6	3216
17	D-17	WH/BLK/BRN	ACTUATION 7	3217
18	D-18	WH/BLK/RED	SPARE INPUT 4	3218
19	D-19	WH/BLK/ORA	UD 7 INPUT	3219
20	D-20	WH/BLK/YEL	ACTUATION 8	3220
21	D-21	WH/BLK/GRN	ACTUATION 9	3221
22	D-22	WH/BLK/BLUE	ACTUATION 10	3222
23	D-23	WH/BLK/VIO	SPARE INPUT 5	3223
24	D-24	WH/BLK/GRAY	UD 8 INPUT	3224
25	D-25	WH/BRN/RED	SYSTEM (CKT 13)	3225
26	D-26	WH/BRN/ORA	FLASH ATTAINED	3226
27	D-27	WH/BRN/YEL	PE ACTIVE	3227
28			POLARIZING KEY	3228
29	D-29	WH/BRN/GRN	SYSTEM OUT	3229
30	D-30	WH/BRN/BLUE	PE 3 INPUT	3230
31	D-31	WH/BRN/VIO	PE 4 INPUT	3231
32	D-32	WH/BRN/GRAY	PE 5 INPUT	3232
33	D-33	WH/RED/ORA	SIGNAL PLAN 5 INPUT	3233
34	D-34	WH/RED/YEL	CALL TO FREE OP	3234
35	D-35	WH/RED/GRN	OUTPUT 41	3235
36	D-36	WH/RED/BLUE	OUTPUT 42	3236
37	D-37	WH/RED/BIO	INTERCONNECT INHIBIT	3237
38	D-38	WH/RED/GRAY	SPARE INPUT 6	3238
39	D-39	WH/ORA/YEL	SYNC INHIBIT	3239
40	D-40	WH/ORA/GRN	DIMMING	3240
41	D-41	WH/ORA/BLUE	ADDED TIME INHIBIT	3241
42	D-42	WH/ORA/VIO	TIME CLOCK SYNC	3242
43	D-43	WH/ORA/GRAY	OUTPUT 43	3243
44			POLARIZING KEY	3244
45	D-45	WH/YEL/GRN	OUTPUT 44	3245
46	D-46	WH/YEL/BLUE	OUTPUT 45	3246
47	D-47	WH/YEL/VIO	OUTPUT 46	3247
48	D-48	WH/YEL/GRAY	OUTPUT 47	3248
49	D-49	WH/GRN/BLUE	SIGNAL PLAN 4	3249
50	D-50	WH/GRN/VIO	AUX 1 (CKT 9)	3250
51	D-51	WH/GRN/GRAY	AUX 2 (CKT 10)	3251
52	D-52	WH/BLUE/VIO	AUX 3 (CKT 11)	3252
53	D-53	WH/BLUE/GRAY	AUX 4 (CKT 12)	3253
54	D-54	WH/VIO/GRAY	OUTPUT 48 (FAST FLASH ENABLE)	3254
55	D-55	WH/BLK/BRN/RED	FLASH OUT (CKT 8)	3255
56	D-56	WH/BLK/BRN/ORA	OFFSET 1 (CKT 3)	3256
57	D-57	WH/BLK/BRN/YEL	OFFSET 2 (CKT 4)	3257
58	D-58	WH/BLK/BRN/GRN	OFFSET 3 (CKT 5)	3258
59	D-59	WH/BLK/BRN/BLUE	CYCLE 2 (CKT 1)	3259
60	D-60	WH/BLK/BRN/VIO	CYCLE 3 (CKT 2)	3260
61	D-61	BLACK	SPLIT 2 (CKT 6)	3261
62	D-62	WHITE	SPLIT 3 (CKT 7)	3262
63	D-63	GREEN	FAST FL IMAGE (OUT)	3223



-D-
D* PANEL ASSY(S)



NOTES:
SWITCHES ARE SHOWN IN THE
NORMAL OPERATING STATE FOR
CONTROLLER SIGNAL OPERATION
(NOT FLASHING OR DARK)



TRAFFIC CONTROLLER CABINET
BACK PANEL & POWER SUPPLY
2 OF 2

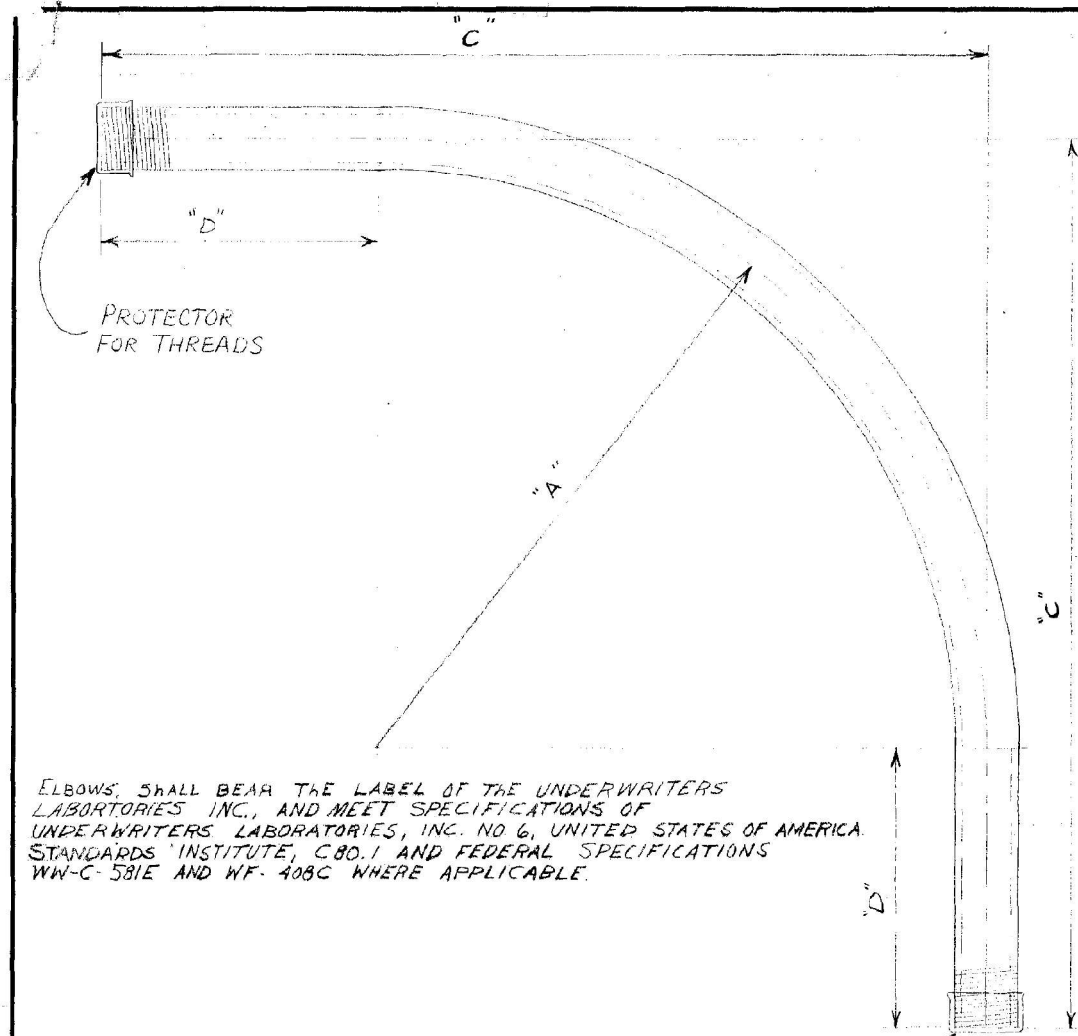
CITY OF CHICAGO

DEPT. OF STREETS AND SANITATION

DIVISION OF ELECTRICAL ENGINEERING

DRAFTSMAN: A. BAUTISTA	CHIEF DRAFTSMAN: R. POOL	ENGINEER: R. POOL
SUPERVISING ENGINEER: ELEC. DESIGN ENGR.		
ENGINEER-TR. ELECTRICITY: DANIEL S. POOL		
DEPUTY COMMISSIONER: [Signature]		
SIZE: 22" x 36"	SCALE: AS SHOWN	DATE: 03/04/2008

DWG. NO.
965



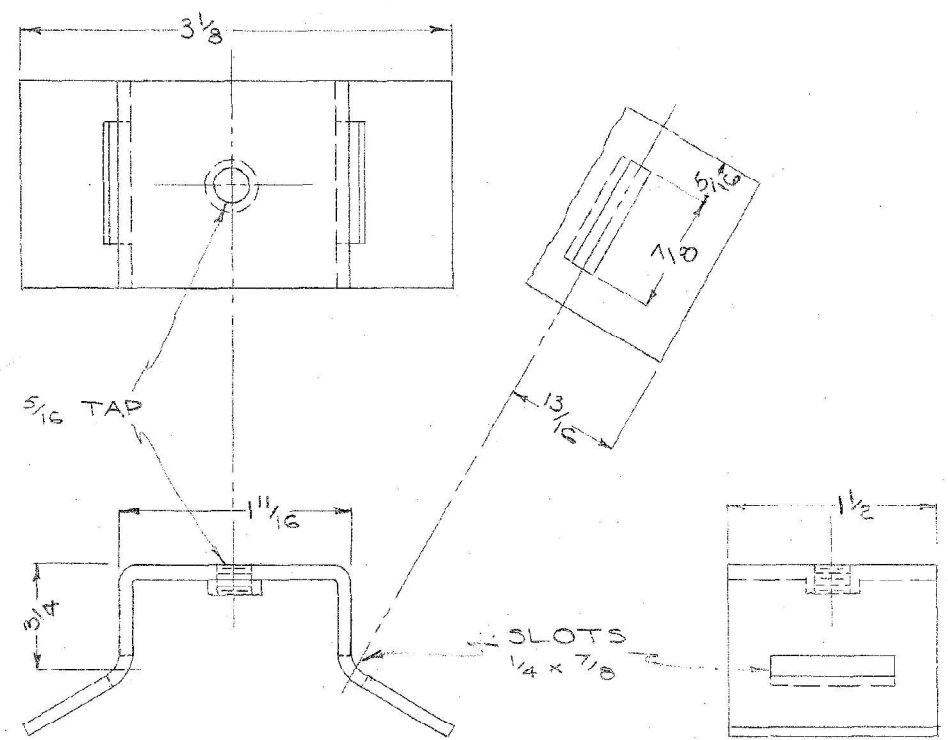
NOTE:
TWO THREAD PROTECTORS TO BE FURNISHED ON EACH ELBOW, PROTECTOR TO COVER A MINIMUM OF TEN THREADS.

REAM BOTH ENDS TO REMOVE BURRS

TABLE OF DIMENSIONS				
CONDUIT SIZE	A	B	C	COMMODITY CODE
1 1/4"	24"	35"	11"	09-4001-0510
1 1/2"	24"	35"	11"	09-4001-0520
2"	24"	35"	11"	09-4001-4126
2 1/2"	24"	35"	11"	09-4001-4128
3"	24"	35"	11"	09-4001-4230
4"	24"	35"	11"	09-4001-0000

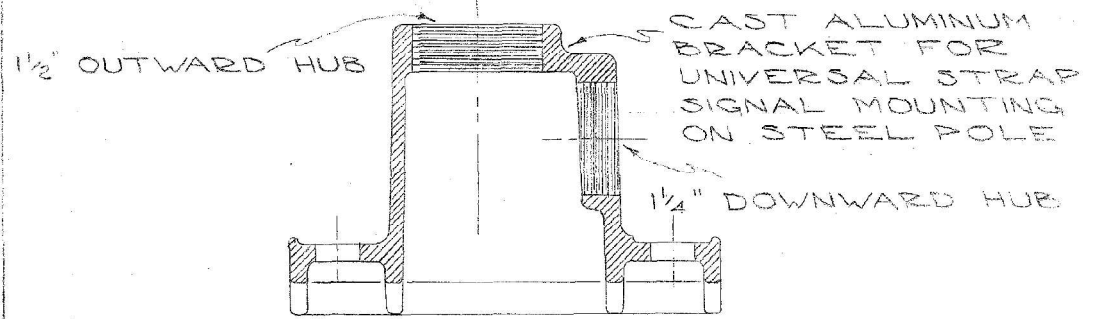
B SPECIFICATIONS REVISED	
A REVISED DIMENSIONS ON 3" & 4" CONDUIT L.P.	
ELBOW, CONDUIT, RIGID GALVANIZED STEEL, LARGE RADIUS	
REVISED	CITY OF CHICAGO
A 7-22-71	DEPT. OF STREETS AND SANITATION
B 4-3-79	BUREAU OF ELECTRICITY
C	DIVISION OF ELECTRICAL ENGINEERING
D	DRAWN LON BURDY
E	CHECKED M.S.
F	ENGINEER M. SHINE
G	DRG. NO. 11825
SIZE 8 1/2" x 14" SCALE: 3/16" DATE 6-2-71	

BANDING FITTING FOR POLE MOUNTING JUNCTION BOX



MATERIAL: STAINLESS STEEL - 4 13/16 x 1 1/2 x 3/32

BANDING FITTING FOR POLE MOUNTING SIGNALS



MATERIAL: CAST ALUMINUM

CROUSE HINDS
TL-3301-WITHOUT DOWNWARD HUB
TL-3302 WITH 1 1/4" DOWNWARD HUB

BANDING FITTINGS FOR POLE MOUNTING TRAFFIC SIGNAL	
CITY OF CHICAGO	
DEPT. OF STREETS AND SANITATION	
BUREAU OF ELECTRICITY	
DIVISION OF ELECTRICAL ENGINEERING	
DESIGNED BY S. NETTI	DATE 11-14-27
CHECKED BY	DATE
APPROVED BY	DATE
11984	
DEPT. OF STREETS AND SANITATION	
BUREAU OF ELECTRICITY	
DIVISION OF ELECTRICAL ENGINEERING	
DRG. NO. 11825	
DATE 6-2-71	

DATE PLOTTED = 9/3/2025 6:49:47 PM
PEN TABLE = 0021550.01.tbl
PLOT CONFIG = CG-PDF.plt
MODEL SP001.DWG
FILE NAME: N:\P02\0021550.01\CG-PDF.plt
CG-PDF.plt

USER NAME = Electrical	DESIGNED -	REVISED -
PLOT SCALE = 40.0000" / ft.	DRAWN -	REVISED -
PLOT DATE = 9/3/2025	CHECKED -	REVISED -
	DATE - 9/5/2025	REVISED -

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290		COOK	161	91
CONTRACT NO. 62U12				
ILLINOIS FED. AID PROJECT				

• 7 CONDUCTOR - 7 POINT STRIP •

7	COMMON WHITE	
6	WHITE BLK. TR.	E & W RED
5	BLACK - SOLID	" AMBER
4	BLUE - "	" GREEN
3	RED - "	N & S RED
2	ORANGE - "	" AMBER
1	GREEN - "	" GREEN

• 14 CONDUCTOR - 10 POINT STRIP •

10	COMMON WHITE	
9	RED WHITE TRACER	
8	ORANGE " "	
7	GREEN " "	
6	RED BLACK TRACER	
5	ORANGE " "	
4	GREEN " "	
3	RED - SOLID	
2	ORANGE - SOLID	
1	GREEN - SOLID	

GREEN BLUE TRACER
ORANGE " " } SPLICED & TAPED
RED " "
BLACK - SOLID

• 22 CONDUCTOR - CODE •
• 19 CODE - OMIT 19 • 21 • 22 •

1	WH	RED (BLACK TR. COMMON	
2	WH	RED (GREEN TR. COMMON (SPARE)	
3	R	BLACK TR. NO. BOUND	
4	A	" " " "	
5	G	" " " "	
6	R	SOLIDS SO. BOUND	
7	A	" " " "	
8	G	" " " "	
9	BK	" NEON OR ARROW	
10	R	BLUE TR. EAST BOUND	
11	A	" " " "	
12	G	" " " "	
13	R	WHITE TR. WEST BOUND	
14	A	" " " "	
15	G	" " " "	
16	BL	SOLID - SPECIAL	
17	BL	AMBER TR - "	
18	BL	WHITE TR - "	
19	WH	RED TR - "	
20	WH	SOLID - "	
21	WH	BLACK TR - "	
22	BK	WHITE TR - "	

• 10 CONDUCTOR - 7 POINT STRIP •

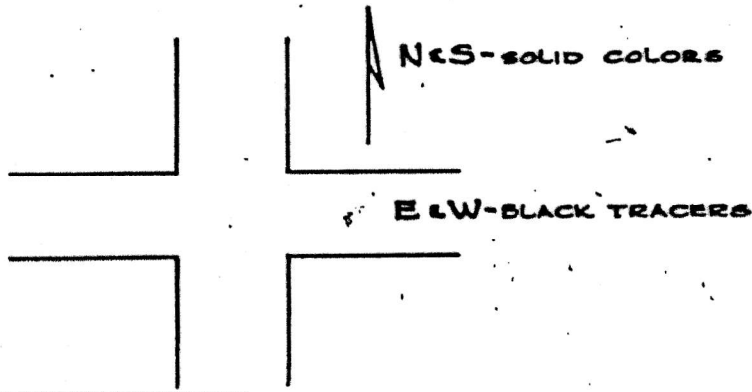
7	COMMON - WHITE	
6	RED BLK. TR.	E & W RED
5	ORANGE BLK. TR.	" AMBER
4	GREEN BLK. TR.	" GREEN
3	RED - SOLID	N & S RED
2	ORANGE - "	" AMBER
1	GREEN - "	" GREEN

SOLID BLUE
SOLID BLACK } SPLICED & TAPED
BLUE BLK. TR.

• 14 CONDUCTOR - 14 POINT STRIP •

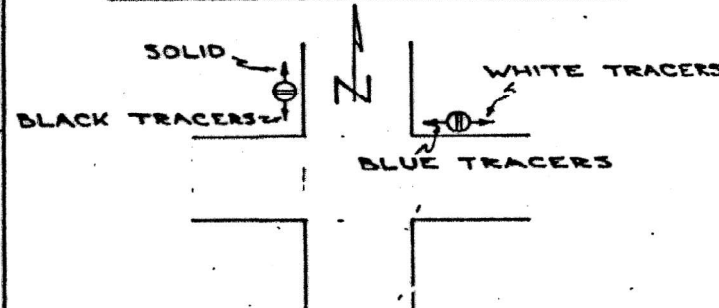
14	COMMON WHITE	
13	BLACK	
12	RED - BLUE TRACER	
11	ORANGE - " "	
10	GREEN " "	
9	RED - WHITE TRACER	
8	ORANGE - " "	
7	GREEN - " "	
6	RED - BLACK TRACER	
5	ORANGE - " "	
4	GREEN - " "	
3	SOLID RED	
2	SOLID ORANGE	
1	SOLID GREEN	

• STRAIGHT CORNER •



NOTE:
CONDUCTORS FOR
WALK SIGNALS &
VARIOUS MESSAGE
SIGNS AT DISCRETION
OF INSTALLER

• SPLIT CORNER •



• 10 CONDUCTOR - 10 POINT STRIP •

10	COMMON - WHITE	
9	BLUE BLK. TRACER *	
8	BLACK - SOLID *	
7	BLUE - SOLID *	
6	RED BLK. TRACER	E & W RED
5	ORANGE BLK. "	" AMBER
4	GREEN BLK. "	" GREEN
3	RED - SOLID	N & S RED
2	ORANGE - SOLID	" AMBER
1	GREEN - SOLID	" GREEN

* - SOLID BLUE - GREEN LIGHT
* - SOLID BLACK - AMBER
* - BLUE BLACK TR. RED

TRAFFIC CONTROL SIGNALS
STRIP WIRING LAYOUT

REVISED	CITY OF CHICAGO DEPT. OF STREETS AND SANITATION DIVISION OF ELECTRICAL OPERATION		
A	5-4-61	DRAWN	CHECKED
B	11-10-64	N.E.E.	N.E.E.
C			
D			
E			
F			
G			
DATE 11-8-56		12268-A	

Benchmark: BM #6 - Chiseled "?" in top of NE corner of NW wall of Loomis St over I-290, Elev. 596.60.

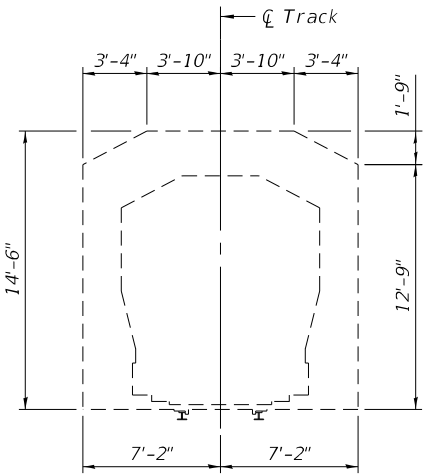
Existing Structure: S.N. 016-2114 was originally built in 1954 as F.A. Route 131, Sections 2-B-1 and 2-F-1. The north approach slab was constructed in 1959 as F.A.I. Route 1, Section 2527-108.1. As F.A.I. Route I-290, Section 042BR dated in 1984, the deck was replaced, and the superstructure and substructure were repaired. The existing superstructure consists of a 6½" reinforced concrete deck, overlaid by 2" of low slump dense concrete resting on ten 36WF beams. The existing substructure consists of closed wall abutments founded on concrete piles and multi-column piers founded on timber piles. The existing bridge is a three-span structure with a total length of 309'-4" back to back of abutments and a total width of 60'-10" out to out deck. Existing superstructure and bearings to be removed and replaced, and existing substructure to be modified and repaired.

Traffic Control: Road closure shall be used during construction. Traffic will be detoured.
CTA Loomis street headhouse for Racine station platform will be closed during bridge construction. Pedestrian access will be routed through the Racine street headhouse.

Salvage: None

*Tracks C and 2 converge under Loomis Street
Tracks D and 1 converge under Loomis Street
CTA Data taken from Congress Line - Phase 1
Track Improvements "Conformed Set" dated 11/01/2022

MINIMUM CTA CONSTRUCTION CLEARANCES



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

LOADING HL-93
Allow 25#/sq. ft. for future wearing surface.
Live Load Deflection Limit: Span/1000.

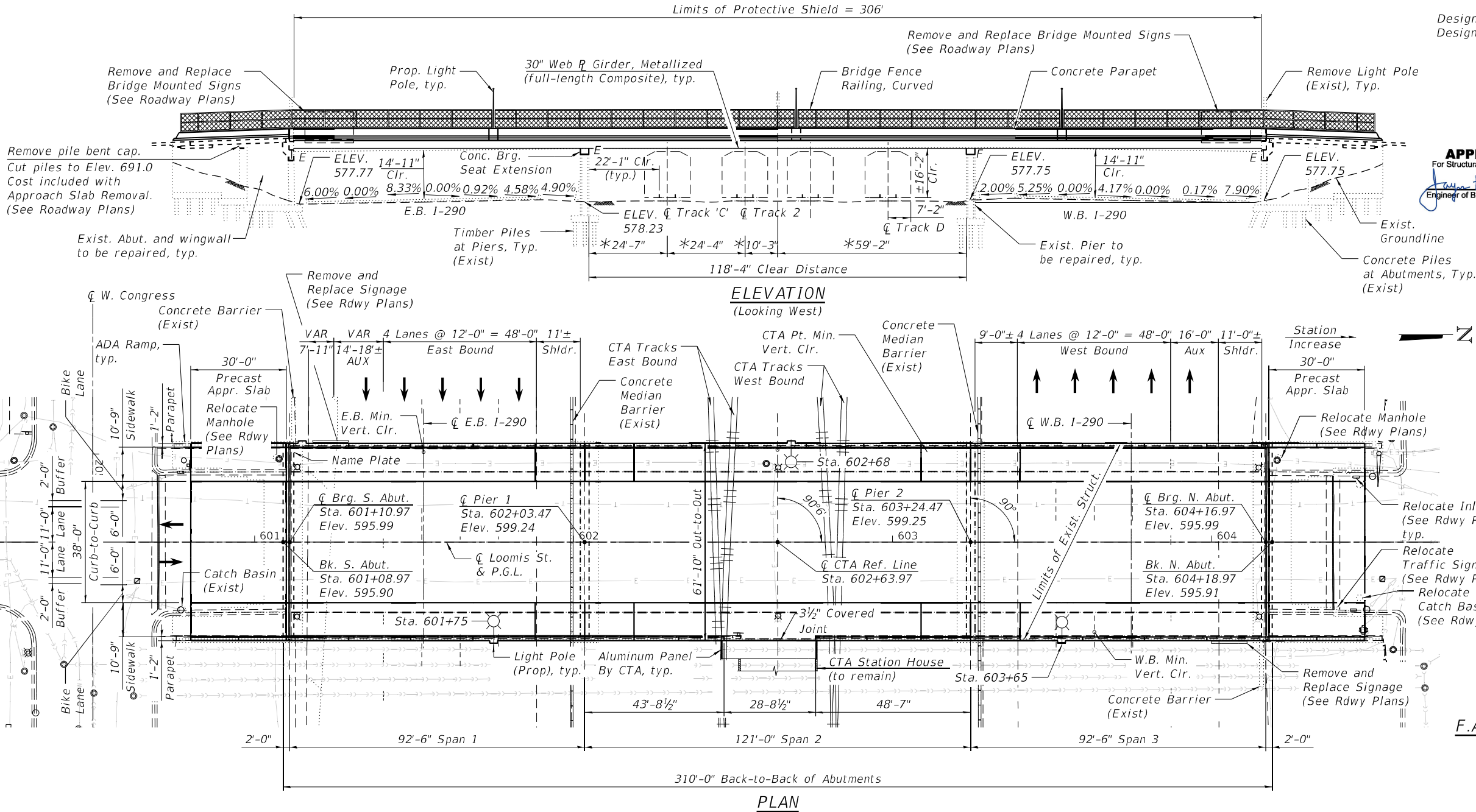
DESIGN SPECIFICATIONS
2024 AASHTO LRFD Bridge Design
Specifications, 10th Edition

DESIGN STRESSES

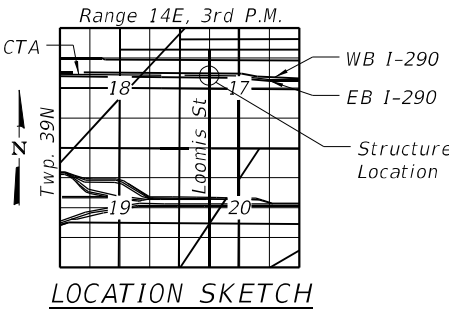
FIELD UNITS
f'c = 3,500 psi (Substructure)
f'c = 4,000 psi (Superstructure)
fy = 60,000 psi (Reinforcement)
fy = 50,000 psi (M270 Grade 50, Metallized)
EXISTING UNITS
f'c = 3,500 psi (Substructure)
fy = 40,000 psi

SEISMIC DATA

Seismic Retrofit Category (SRC) = A
Design Spectral Acceleration at 1.0 sec. (SD1) = 0.085g
Design Spectral Acceleration at 0.2 sec. (SDS) = 0.144g
Soil Site Class = D
Seismic Performance Zone (SPZ) = 1



APPROVED
For Structural Adequacy Only
[Signature]
Engineer of Bridges & Structures



GENERAL PLAN AND ELEVATION
LOOMIS ST. OVER I-290 AND CTA
F.A.I. 290 - SEC. FAI 290 22 BRIDGE 3
COOK COUNTY
STATION 602+63.97
STRUCTURE NO. 016-2114

MODEL: GPE
FILE NAME: W:\191-178_IDOT_205009_1290_Loomis & Racine\CADD_Sheets\62U12_Loomis Street\Structural\0162114-D162U12-501-GPE.dgn



USER NAME =	idot	DESIGNED -	KN	REVISED -	
CHECKED -	PRD	REVISED -			
PLOT SCALE =	NONE	DRAWN -	KN	REVISED -	
PLOT DATE =	10/16/2025	CHECKED -	PRD	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN AND ELEVATION
STRUCTURE NO. 016-2114

SHEET S-01 OF 38 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	FAI 290 22 BRIDGE 3	COOK	161	93
CONTRACT NO. 62U12				
ILLINOIS FED. AID PROJECT				

MODEL: Default
FILE NAME: W:\191+178_IDOT_205009_1+290 Loomis & Racine\CADD_Sheets\62U12_Loomis Street\Structural\0162114-D-162U12-502-GenData1.dgn

GENERAL NOTES

All new structural steel shall be metallized. See Special Provision for "Metallizing of Structural Steel."

Calculated weight of Structural Steel = 1,004,800 lbs (Gr. 50)
Calculated weight of Structural Steel = 46,710 lbs (Gr. 36)

No field welding is permitted except as specified in the contract documents.

Fasteners shall be ASTM F3125 Grade A325 Type 1, hot-dip galvanized bolts in uncoated metallized areas. Fasteners shall be ASTM F3125 Grade A325 Type 1, mechanically galvanized bolts in coated metallized areas. Bolts 7/8 in. diameter, holes 13/16 in. diameter, unless otherwise noted. See special provisions for "Metallizing of Structural Steel."

Reinforcement bars designated (E) shall be epoxy coated.

Slipforming of the parapets is not allowed.

Bearing seat surfaces shall be constructed or adjusted to the designated elevations within a tolerance of 1/8 in. (0.01 ft.). Adjustment shall be made either by grinding the surface or by shimming the bearings.

Concrete Sealer shall be applied to the designated areas of the abutments and piers. The Concrete Sealer shall be a "film forming" type for horizontal surfaces.

Anti-Graffiti Coating shall be applied to the exposed surfaces of the abutments and piers.

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

The Protective Shield shall extend as shown on Sheet S-01 and as a minimum 2 ft beyond the existing edge of deck.
As a minimum, the following will be required:
2250 Sq. Yd. to remove the existing deck

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

INDEX OF SHEETS

S-01	General Plan and Elevation
S-02	General Notes and Total Bill Of Material
S-03	General Data
S-04	Top of Slab Elevations Layout
S-05	Top of Slab Elevations - 1
S-06	Top of Slab Elevations - 2
S-07	Top of Slab Elevations - 3
S-08	Top of Slab Elevations - 4
S-09	Top of Slab Elevations - 5
S-10	Top of South Approach Slab Elevations
S-11	Top of North Approach Slab Elevations
S-12	Deck Plan and Cross Section
S-13	West Sidewalk and Parapet Details
S-14	East Sidewalk and Parapet Details
S-15	Architectural Parapet Details
S-16	Deck Diaphragm Details
S-17	Deck Miscellaneous Details
S-18	Partial Depth Precast Bridge Approach Slab (1 of 4)
S-19	Partial Depth Precast Bridge Approach Slab (2 of 4)
S-20	Partial Depth Precast Bridge Approach Slab (3 of 4)
S-21	Partial Depth Precast Bridge Approach Slab (4 of 4)
S-22	Bridge Fence Railing, Curved (1 of 2)
S-23	Bridge Fence Railing, Curved (2 of 2)
S-24	Preformed Joint Strip Seal - Sidewalk (1 of 3)
S-25	Preformed Joint Strip Seal - Sidewalk (2 of 3)
S-26	Preformed Joint Strip Seal - Sidewalk (3 of 3)
S-27	CTA Station Joint Details
S-28	Framing Plan and Elevation
S-29	Girder Details
S-30	Field Splice and Diaphragm Details
S-31	Bearing Details
S-32	South Abutment Removal and Repair
S-33	North Abutment Removal and Repair
S-34	Abutment Seat Modifications
S-35	Wingwall Parapet Modifications
S-36	Pier 1 Removal and Repairs
S-37	Pier 2 Removal and Repairs
S-38	Pier 1 and Pier 2 Cap Modifications

For Existing Bridge Plans, see
Sheets SX-1 thru SX-8 immediately
following Sheet S-38.

SCOPE OF WORK

- Relocate or Temporarily support existing utilities.
- Remove existing superstructure and slabs over utility manhole behind abutment.
- Fill abandoned utility manhole with granular backfill.
- Remove abutment backwalls and convert to semi-integral.
- Remove Graffiti, as needed.
- Repair existing substructure and apply concrete sealant to exposed surfaces along splashzones.
- Construct proposed pier cap extensions.
- Construct proposed superstructure.
- Construct proposed approach slabs.
- Utility work.
- Reinstall sign structures.
- Remove Graffiti, as needed.

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Removal of Existing Superstructures	Each	1		1
Concrete Removal	Cu. Yd.		127.0	127.0
Bridge Rail Removal	Foot		134	134
Protective Shield	Sq. Yd.	2,250		2,250
Structure Excavation	Cu. Yd.		128	128
Concrete Structures	Cu. Yd.	37.0	100.0	137.0
Bridge Deck Grooving	Sq. Yd.	1,472		1,472
Protective Coat	Sq. Yd.	2,776		2,776
Furnishing and Erecting Structural Steel	L Sum	1		1
Stud Shear Connectors	Each	7,410		7,410
Reinforcement Bars, Epoxy Coated	Pound	187,880	13,230	201,110
Bridge Fence Railing, Curved	Foot	705		705
Name Plates	Each	1		1
Preformed Joint Strip Seal	Foot	124		124
Elastomeric Bearing Assembly, Type I	Each	30		30
Anchor Bolts, 1"	Each	80		80
Granular Backfill For Structures	Cu. Yd.		128	128
Concrete Sealer	Sq. Ft.		2,493	2,493
* Epoxy Crack Injection	Foot		72	72
Geocomposite Wall Drain	Sq. Yd.		82	82
Pipe Underdrains For Structures 4"	Foot		302	302
** Containment and Disposal of Lead Paint Cleaning Residues No. 1	L Sum	1		1
** * Structural Repair Of Concrete (Depth Equal To Or Less Than 5 Inches)	Sq. Ft.		177	177
** * Structural Repair Of Concrete (Depth Greater Than 5 Inches)	Sq. Ft.		26	26
** Debris Removal	L Sum		1	1
** Expansion Joint (Special)	Foot	29		29
** * Graffiti Removal	Sq. Yd.		130	130
** Anti-Graffiti Coating	Sq. Ft.		7,660	7,660
** Concrete Wearing Surface, 5"	Sq. Yd.	413		413
** Precast Bridge Approach Slab	Sq. Ft.	3,660		3,660
** Bar Terminators	Each	352		352
** High Performance Concrete Superstructure	Cu. Yd.	878.4		878.4

* Quantity includes a contingency (above the amounts shown in the Bill of Material) to account for uncertainties associated with the condition of the existing substructure and the age of the original inspection. Actual repair areas will be determined by the Engineer in the field.

** Pay Item is Governed by a Special Provision

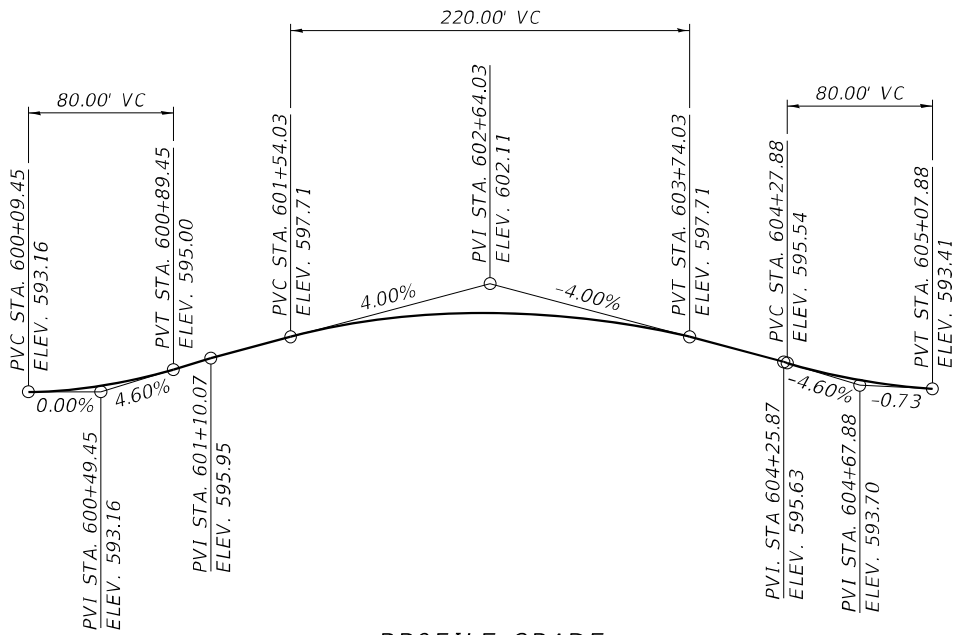
STA. 602+63.97
BUILT 20 BY
STATE OF ILLINOIS
F.A.I. RTE. 290 SEC. FAI 290 22 BRIDGE 3
LOADING HL-93
STR. NO. 016-2114

NAME PLATE
See Std. 515001

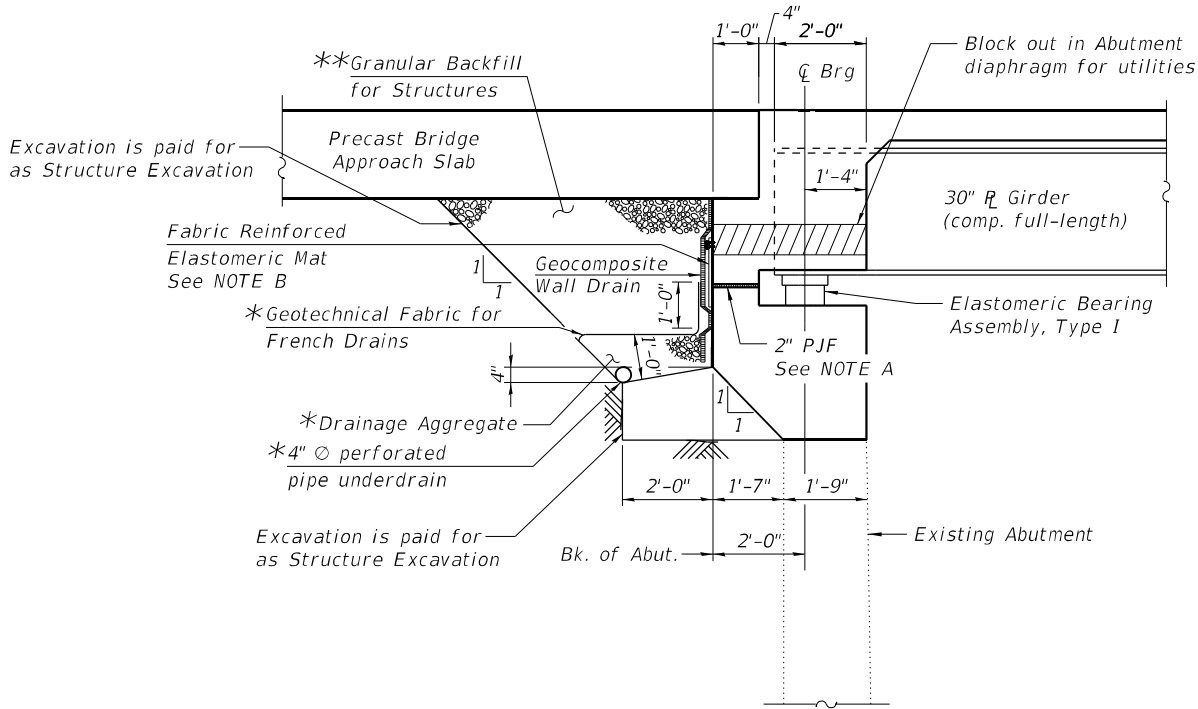
Note
Existing Name Plate shall be cleaned and relocated next to new Name Plate. Cost included with Name Plates.

 BLA, Inc.	USER NAME = idot	DESIGNED - TB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTES AND TOTAL BILL OF MATERIAL STRUCTURE NO. 016-2114	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		CHECKED - PRD	REVISED -			290	FAI 290 22 BRIDGE 3	COOK	161	94
	PLOT SCALE = NONE	DRAWN - TB	REVISED -			CONTRACT NO. 62U12				
	PLOT DATE = 10/16/2025	CHECKED - PRD	REVISED -			ILLINOIS FED. AID PROJECT				
	SHEET S-02 OF 38 SHEETS									

MODEL: SHEET
FILE NAME: W:\191+178_IDOT_205009_1+290 Loomis & Racine\CADD_Sheets\62U12_Loomis Street\Structural\0162114-D162U12-503-GenData2.dgn



PROFILE GRADE
(Along Centerline of Loomis Street)

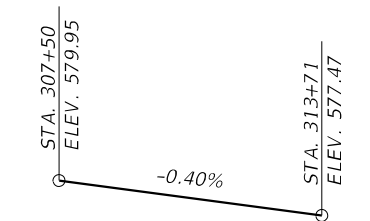


SECTION THRU SEMI-INTEGRAL ABUTMENT

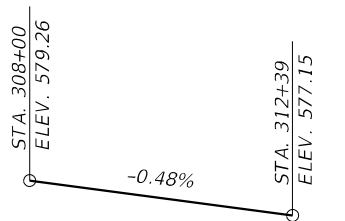
* Included in the cost of Pipe Underdrains for Structures.

** Granular Backfill for Structures shall follow Standard Specification 586 except the course aggregate shall be grade CA7, CA 11, or CA 14.

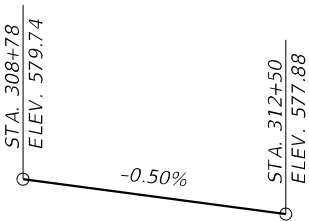
Note:
Connect the pipe underdrain to the existing catch basin located off the approach slab on each side of the roadway.



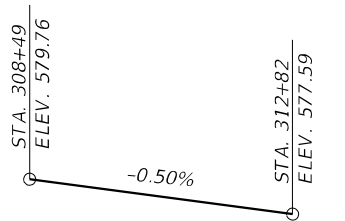
EDGE OF OUTSIDE CURB
EB I-290 PROFILE GRADE



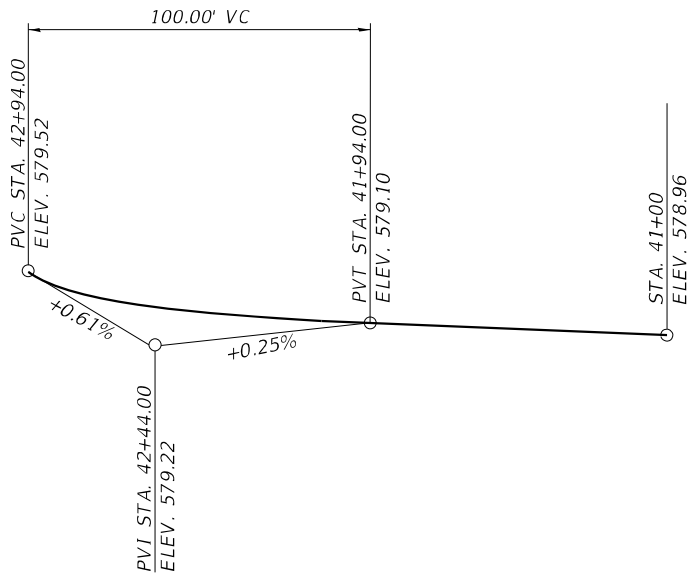
EDGE OF OUTSIDE CURB
WB I-290 PROFILE GRADE



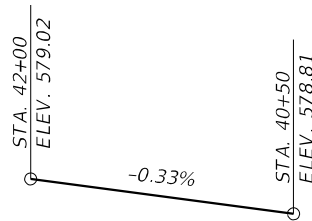
MEDIAN EDGE OF SHOULDER
EB I-290 PROFILE GRADE



MEDIAN EDGE OF SHOULDER
WB I-290 PROFILE GRADE



TOP OF RAIL
(Track C)



Top of Rail
(Track D)



USER NAME =	idot	DESIGNED -	TB	REVISED -	
CHECKED -	PRD	REVISED -		REVISED -	
PLOT SCALE =	NONE	DRAWN -	TB	REVISED -	
PLOT DATE =	10/16/2025	CHECKED -	PRD	REVISED -	

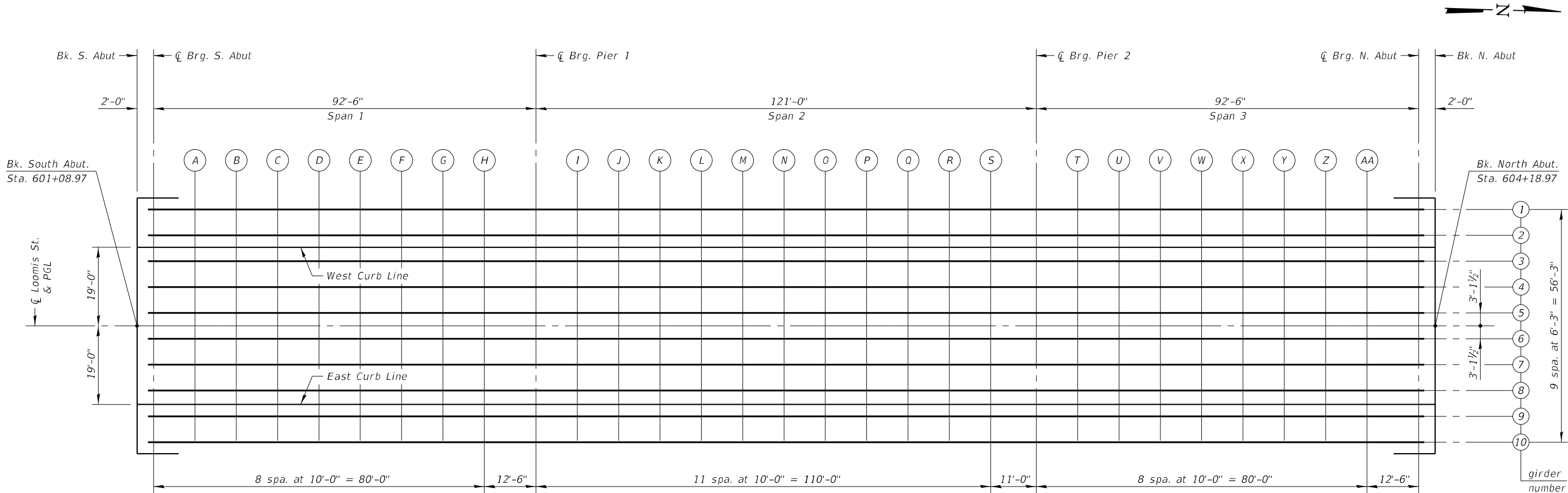
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL DATA
STRUCTURE NO. 016-2114

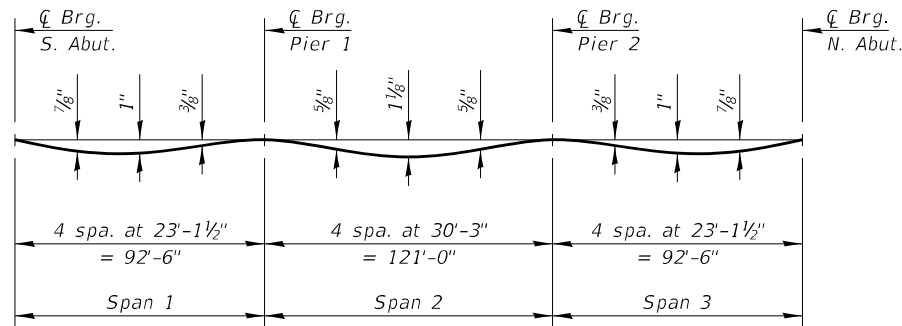
SHEET S-03 OF 38 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	FAI 290 22 BRIDGE 3	COOK	161	95
CONTRACT NO. 62U12				
ILLINOIS FED. AID PROJECT				

MODEL: Default
FILE NAME: W:\191+178_IDOT_205009_1+290 Loomis & Racine\CADD_Sheets\62U12_Loomis Street\Structural\0162114-D-162U12-504-TOS_Elevs_Layout.dgn

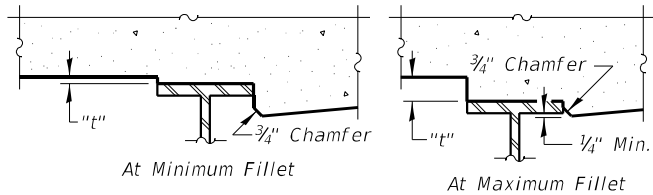


PLAN



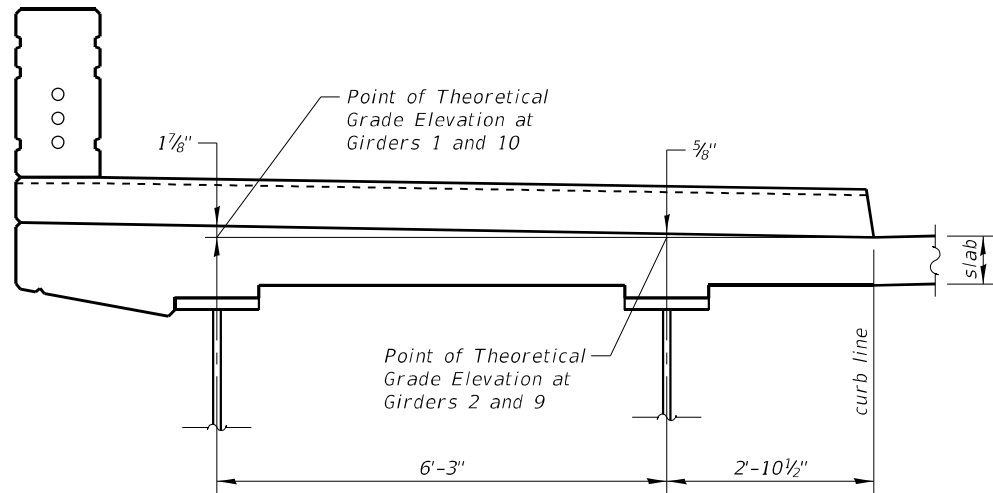
DEAD LOAD DEFLECTION DIAGRAM

(Includes weight of concrete only)



To determine "t": After all structural steel has been erected, elevations of the top flanges of the girders shall be taken at intervals shown above. These elevations subtracted from the "Theoretical Grade Elevations Adjusted for Dead Load Deflection" shown on Sheets S-05 thru S-09, minus slab thickness, equals the fillet heights "t" above top flange of girders.

FILLET HEIGHTS



SECTION THRU SIDEWALK

Note:

The deflections shown are not to be used in the field if the Engineer is working from the grade elevations adjusted for dead load deflections as shown in TABLES on Sheets S-05 thru S-09.



USER NAME =	idot	DESIGNED -	TB	REVISED -	
		CHECKED -	PRD	REVISED -	
PLOT SCALE =	NONE	DRAWN -	TB	REVISED -	
PLOT DATE =	10/16/2025	CHECKED -	PRD	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TOP OF SLAB ELEVATIONS LAYOUT
STRUCTURE NO. 016-2114

SHEET S-04 OF 38 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	FAI 290 22 BRIDGE 3	COOK	161	96
CONTRACT NO. 62U12				
ILLINOIS FED. AID PROJECT				

MODEL: Default
FILE NAME: W:\191+178_IDOT_205009_1+290 Loomis & Racine\CADD Sheets\62U12_Loomis Street\Structural\0162114-D-162U12-505-T05_Elevs_Table1.dgn

GIRDER 1

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. S. Abut	601+08.97	-28.12	595.61	595.61
Ç Brg. S. Abut.	601+10.97	-28.12	595.70	595.70
A	601+20.97	-28.12	596.10	596.14
B	601+30.97	-28.12	596.50	596.57
C	601+40.97	-28.12	596.90	596.98
D	601+50.97	-28.12	597.30	597.39
E	601+60.97	-28.12	597.69	597.77
F	601+70.97	-28.12	598.05	598.11
G	601+80.97	-28.12	598.37	598.40
H	601+90.97	-28.12	598.65	598.66
Ç Brg. Pier 1	602+03.47	-28.12	598.96	598.96
I	602+13.47	-28.12	599.16	599.17
J	602+23.47	-28.12	599.33	599.35
K	602+33.47	-28.12	599.46	599.51
L	602+43.47	-28.12	599.55	599.62
M	602+53.47	-28.12	599.60	599.69
N	602+63.47	-28.12	599.62	599.72
O	602+73.47	-28.12	599.61	599.70
P	602+83.47	-28.12	599.56	599.63
Q	602+93.47	-28.12	599.47	599.52
R	603+03.47	-28.12	599.34	599.37
S	603+13.47	-28.12	599.18	599.19
Ç Brg. Pier 2	603+24.47	-28.12	598.96	598.96
T	603+34.47	-28.12	598.72	598.73
U	603+44.47	-28.12	598.45	598.47
V	603+54.47	-28.12	598.14	598.19
W	603+64.47	-28.12	597.79	597.86
X	603+74.47	-28.12	597.40	597.48
Y	603+84.47	-28.12	597.00	597.08
Z	603+94.47	-28.12	596.60	596.67
AA	604+04.47	-28.12	596.20	596.24
Ç Brg. N. Abut.	604+16.97	-28.12	595.70	595.70
Bk. N. Abut	604+18.97	-28.12	595.62	595.62

GIRDER 2

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. S. Abut	601+08.97	-21.87	595.61	595.61
Ç Brg. S. Abut.	601+10.97	-21.87	595.70	595.70
A	601+20.97	-21.87	596.10	596.14
B	601+30.97	-21.87	596.50	596.57
C	601+40.97	-21.87	596.90	596.98
D	601+50.97	-21.87	597.30	597.39
E	601+60.97	-21.87	597.69	597.77
F	601+70.97	-21.87	598.05	598.11
G	601+80.97	-21.87	598.37	598.40
H	601+90.97	-21.87	598.65	598.66
Ç Brg. Pier 1	602+03.47	-21.87	598.96	598.96
I	602+13.47	-21.87	599.16	599.17
J	602+23.47	-21.87	599.33	599.35
K	602+33.47	-21.87	599.46	599.51
L	602+43.47	-21.87	599.55	599.62
M	602+53.47	-21.87	599.60	599.69
N	602+63.47	-21.87	599.62	599.72
O	602+73.47	-21.87	599.61	599.70
P	602+83.47	-21.87	599.56	599.63
Q	602+93.47	-21.87	599.47	599.52
R	603+03.47	-21.87	599.34	599.37
S	603+13.47	-21.87	599.18	599.19
Ç Brg. Pier 2	603+24.47	-21.87	598.96	598.96
T	603+34.47	-21.87	598.72	598.73
U	603+44.47	-21.87	598.45	598.47
V	603+54.47	-21.87	598.14	598.19
W	603+64.47	-21.87	597.79	597.86
X	603+74.47	-21.87	597.40	597.48
Y	603+84.47	-21.87	597.00	597.08
Z	603+94.47	-21.87	596.60	596.67
AA	604+04.47	-21.87	596.20	596.24
Ç Brg. N. Abut.	604+16.97	-21.87	595.70	595.70
Bk. N. Abut	604+18.97	-21.87	595.62	595.62

WEST CURB LINE

Location	Station	Offset	Theoretical Grade Elevations	
Bk. S. Abut	601+08.97	-19.00	595.61	595.61
Ç Brg. S. Abut.	601+10.97	-19.00	595.70	595.70
A	601+20.97	-19.00	596.10	596.14
B	601+30.97	-19.00	596.50	596.57
C	601+40.97	-19.00	596.90	596.98
D	601+50.97	-19.00	597.30	597.39
E	601+60.97	-19.00	597.69	597.77
F	601+70.97	-19.00	598.05	598.11
G	601+80.97	-19.00	598.37	598.40
H	601+90.97	-19.00	598.65	598.66
Ç Brg. Pier 1	602+03.47	-19.00	598.96	598.96
I	602+13.47	-19.00	599.16	599.17
J	602+23.47	-19.00	599.33	599.35
K	602+33.47	-19.00	599.46	599.51
L	602+43.47	-19.00	599.55	599.62
M	602+53.47	-19.00	599.60	599.69
N	602+63.47	-19.00	599.62	599.72
O	602+73.47	-19.00	599.61	599.70
P	602+83.47	-19.00	599.56	599.63
Q	602+93.47	-19.00	599.47	599.52
R	603+03.47	-19.00	599.34	599.37
S	603+13.47	-19.00	599.18	599.19
Ç Brg. Pier 2	603+24.47	-19.00	598.96	598.96
T	603+34.47	-19.00	598.72	598.73
U	603+44.47	-19.00	598.45	598.47
V	603+54.47	-19.00	598.14	598.19
W	603+64.47	-19.00	597.79	597.86
X	603+74.47	-19.00	597.40	597.48
Y	603+84.47	-19.00	597.00	597.08
Z	603+94.47	-19.00	596.60	596.67
AA	604+04.47	-19.00	596.20	596.24
Ç Brg. N. Abut.	604+16.97	-19.00	595.70	595.70
Bk. N. Abut	604+18.97	-19.00	595.62	595.62



USER NAME =	idot	DESIGNED -	TB	REVISED -	
		CHECKED -	PRD	REVISED -	
PLOT SCALE =	NONE	DRAWN -	TB	REVISED -	
PLOT DATE =	10/16/2025	CHECKED -	PRD	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TOP OF SLAB ELEVATIONS - 1
STRUCTURE NO. 016-2114

SHEET S-05 OF 38 SHEETS

FAI. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	FAI 290 22 BRIDGE 3	COOK	161	97
		CONTRACT NO. 62U12		
		ILLINOIS	FED. AID PROJECT	

MODEL: Default
FILE NAME: W:\191+178_IDOT_205009_1+290 Loomis & Racine\CADD Sheets\62U12_Loomis Street\Structural\0162114-D-162U12-506-TOS_Elevs_Table2.dgn
10/16/2025 5:20:32 PM

GIRDER 3

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. S. Abut Ç Brg. S. Abut.	601+08.97	-15.62	595.66	595.66
	601+10.97	-15.62	595.75	595.75
A	601+20.97	-15.62	596.15	596.19
B	601+30.97	-15.62	596.55	596.62
C	601+40.97	-15.62	596.95	597.03
D	601+50.97	-15.62	597.35	597.44
E	601+60.97	-15.62	597.74	597.82
F	601+70.97	-15.62	598.10	598.16
G	601+80.97	-15.62	598.42	598.45
H	601+90.97	-15.62	598.71	598.71
Ç Brg. Pier 1	602+03.47	-15.62	599.01	599.01
I	602+13.47	-15.62	599.21	599.22
J	602+23.47	-15.62	599.38	599.41
K	602+33.47	-15.62	599.51	599.56
L	602+43.47	-15.62	599.60	599.67
M	602+53.47	-15.62	599.66	599.75
N	602+63.47	-15.62	599.68	599.77
O	602+73.47	-15.62	599.66	599.75
P	602+83.47	-15.62	599.61	599.68
Q	602+93.47	-15.62	599.52	599.57
R	603+03.47	-15.62	599.39	599.42
S	603+13.47	-15.62	599.23	599.24
Ç Brg. Pier 2	603+24.47	-15.62	599.01	599.01
T	603+34.47	-15.62	598.77	598.78
U	603+44.47	-15.62	598.50	598.52
V	603+54.47	-15.62	598.19	598.24
W	603+64.47	-15.62	597.84	597.91
X	603+74.47	-15.62	597.45	597.53
Y	603+84.47	-15.62	597.05	597.13
Z	603+94.47	-15.62	596.65	596.72
AA	604+04.47	-15.62	596.25	596.29
Ç Brg. N. Abut. Bk. N. Abut	604+16.97	-15.62	595.75	595.75
	604+18.97	-15.62	595.67	595.67

GIRDER 4

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. S. Abut Ç Brg. S. Abut.	601+08.97	-9.37	595.76	595.76
	601+10.97	-9.37	595.85	595.85
A	601+20.97	-9.37	596.25	596.28
B	601+30.97	-9.37	596.65	596.71
C	601+40.97	-9.37	597.05	597.13
D	601+50.97	-9.37	597.45	597.53
E	601+60.97	-9.37	597.84	597.91
F	601+70.97	-9.37	598.19	598.25
G	601+80.97	-9.37	598.51	598.55
H	601+90.97	-9.37	598.80	598.81
Ç Brg. Pier 1	602+03.47	-9.37	599.10	599.10
I	602+13.47	-9.37	599.30	599.31
J	602+23.47	-9.37	599.47	599.50
K	602+33.47	-9.37	599.60	599.65
L	602+43.47	-9.37	599.69	599.77
M	602+53.47	-9.37	599.75	599.84
N	602+63.47	-9.37	599.77	599.87
O	602+73.47	-9.37	599.75	599.84
P	602+83.47	-9.37	599.70	599.78
Q	602+93.47	-9.37	599.61	599.67
R	603+03.47	-9.37	599.49	599.52
S	603+13.47	-9.37	599.32	599.34
Ç Brg. Pier 2	603+24.47	-9.37	599.11	599.11
T	603+34.47	-9.37	598.87	598.87
U	603+44.47	-9.37	598.59	598.62
V	603+54.47	-9.37	598.28	598.33
W	603+64.47	-9.37	597.94	598.01
X	603+74.47	-9.37	597.55	597.63
Y	603+84.47	-9.37	597.15	597.23
Z	603+94.47	-9.37	596.75	596.81
AA	604+04.47	-9.37	596.35	596.39
Ç Brg. N. Abut. Bk. N. Abut	604+16.97	-9.37	595.85	595.85
	604+18.97	-9.37	595.77	595.77

GIRDER 5

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. S. Abut Ç Brg. S. Abut.	601+08.97	-3.12	595.85	595.85
	601+10.97	-3.12	595.94	595.94
A	601+20.97	-3.12	596.34	596.37
B	601+30.97	-3.12	596.74	596.80
C	601+40.97	-3.12	597.14	597.22
D	601+50.97	-3.12	597.54	597.62
E	601+60.97	-3.12	597.93	598.01
F	601+70.97	-3.12	598.29	598.34
G	601+80.97	-3.12	598.61	598.64
H	601+90.97	-3.12	598.89	598.90
Ç Brg. Pier 1	602+03.47	-3.12	599.20	599.20
I	602+13.47	-3.12	599.40	599.41
J	602+23.47	-3.12	599.56	599.59
K	602+33.47	-3.12	599.69	599.75
L	602+43.47	-3.12	599.79	599.86
M	602+53.47	-3.12	599.84	599.93
N	602+63.47	-3.12	599.86	599.96
O	602+73.47	-3.12	599.85	599.94
P	602+83.47	-3.12	599.79	599.87
Q	602+93.47	-3.12	599.71	599.76
R	603+03.47	-3.12	599.58	599.61
S	603+13.47	-3.12	599.42	599.43
Ç Brg. Pier 2	603+24.47	-3.12	599.20	599.20
T	603+34.47	-3.12	598.96	598.96
U	603+44.47	-3.12	598.69	598.71
V	603+54.47	-3.12	598.38	598.42
W	603+64.47	-3.12	598.03	598.10
X	603+74.47	-3.12	597.64	597.72
Y	603+84.47	-3.12	597.24	597.32
Z	603+94.47	-3.12	596.84	596.91
AA	604+04.47	-3.12	596.44	596.48
Ç Brg. N. Abut. Bk. N. Abut	604+16.97	-3.12	595.94	595.94
	604+18.97	-3.12	595.86	595.86



USER NAME =	idot	DESIGNED -	TB	REVISED -	
		CHECKED -	PRD	REVISED -	
PLOT SCALE =	NONE	DRAWN -	TB	REVISED -	
PLOT DATE =	10/16/2025	CHECKED -	PRD	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TOP OF SLAB ELEVATIONS - 2
STRUCTURE NO. 016-2114

SHEET S-06 OF 38 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	FAI 290 22 BRIDGE 3	COOK	161	98
		CONTRACT NO. 62U12		
		ILLINOIS	FED. AID PROJECT	

MODEL: Default
FILE NAME: W:\191+178_IDOT_205009_1+290 Loomis & Racine\CADD Sheets\62U12_Loomis Street\Structural\0162114-D-162U12-507-T05_Elevs_Table3.dgn

☐ LOOMIS ST., PGL & CROWN

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. S. Abut	601+08.97	0.00	595.90	595.90
☐ Brg. S. Abut.	601+10.97	0.00	595.99	595.99
A	601+20.97	0.00	596.39	596.42
B	601+30.97	0.00	596.79	596.85
C	601+40.97	0.00	597.19	597.27
D	601+50.97	0.00	597.59	597.67
E	601+60.97	0.00	597.98	598.05
F	601+70.97	0.00	598.34	598.39
G	601+80.97	0.00	598.66	598.69
H	601+90.97	0.00	598.94	598.95
☐ Brg. Pier 1	602+03.47	0.00	599.24	599.24
I	602+13.47	0.00	599.45	599.45
J	602+23.47	0.00	599.61	599.64
K	602+33.47	0.00	599.74	599.79
L	602+43.47	0.00	599.83	599.91
M	602+53.47	0.00	599.89	599.98
N	602+63.47	0.00	599.91	600.01
O	602+73.47	0.00	599.89	599.98
P	602+83.47	0.00	599.84	599.92
Q	602+93.47	0.00	599.75	599.81
R	603+03.47	0.00	599.63	599.66
S	603+13.47	0.00	599.47	599.48
☐ Brg. Pier 2	603+24.47	0.00	599.25	599.25
T	603+34.47	0.00	599.01	599.01
U	603+44.47	0.00	598.73	598.76
V	603+54.47	0.00	598.42	598.47
W	603+64.47	0.00	598.08	598.15
X	603+74.47	0.00	597.69	597.77
Y	603+84.47	0.00	597.29	597.37
Z	603+94.47	0.00	596.89	596.95
AA	604+04.47	0.00	596.49	596.53
☐ Brg. N. Abut.	604+16.97	0.00	595.99	595.99
Bk. N. Abut	604+18.97	0.00	595.91	595.91

GIRDER 6

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. S. Abut	601+08.97	3.12	595.85	595.85
☐ Brg. S. Abut.	601+10.97	3.12	595.94	595.94
A	601+20.97	3.12	596.34	596.37
B	601+30.97	3.12	596.74	596.80
C	601+40.97	3.12	597.14	597.22
D	601+50.97	3.12	597.54	597.62
E	601+60.97	3.12	597.93	598.01
F	601+70.97	3.12	598.29	598.34
G	601+80.97	3.12	598.61	598.64
H	601+90.97	3.12	598.89	598.90
☐ Brg. Pier 1	602+03.47	3.12	599.20	599.20
I	602+13.47	3.12	599.40	599.41
J	602+23.47	3.12	599.56	599.59
K	602+33.47	3.12	599.69	599.75
L	602+43.47	3.12	599.79	599.86
M	602+53.47	3.12	599.84	599.93
N	602+63.47	3.12	599.86	599.96
O	602+73.47	3.12	599.85	599.94
P	602+83.47	3.12	599.79	599.87
Q	602+93.47	3.12	599.71	599.76
R	603+03.47	3.12	599.58	599.61
S	603+13.47	3.12	599.42	599.43
☐ Brg. Pier 2	603+24.47	3.12	599.20	599.20
T	603+34.47	3.12	598.96	598.96
U	603+44.47	3.12	598.69	598.71
V	603+54.47	3.12	598.38	598.42
W	603+64.47	3.12	598.03	598.10
X	603+74.47	3.12	597.64	597.72
Y	603+84.47	3.12	597.24	597.32
Z	603+94.47	3.12	596.84	596.91
AA	604+04.47	3.12	596.44	596.48
☐ Brg. N. Abut.	604+16.97	3.12	595.94	595.94
Bk. N. Abut	604+18.97	3.12	595.86	595.86

GIRDER 7

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. S. Abut	601+08.97	9.37	595.76	595.76
☐ Brg. S. Abut.	601+10.97	9.37	595.85	595.85
A	601+20.97	9.37	596.25	596.28
B	601+30.97	9.37	596.65	596.71
C	601+40.97	9.37	597.05	597.13
D	601+50.97	9.37	597.45	597.53
E	601+60.97	9.37	597.84	597.91
F	601+70.97	9.37	598.19	598.25
G	601+80.97	9.37	598.51	598.55
H	601+90.97	9.37	598.80	598.81
☐ Brg. Pier 1	602+03.47	9.37	599.10	599.10
I	602+13.47	9.37	599.30	599.31
J	602+23.47	9.37	599.47	599.50
K	602+33.47	9.37	599.60	599.65
L	602+43.47	9.37	599.69	599.77
M	602+53.47	9.37	599.75	599.84
N	602+63.47	9.37	599.77	599.87
O	602+73.47	9.37	599.75	599.84
P	602+83.47	9.37	599.70	599.78
Q	602+93.47	9.37	599.61	599.67
R	603+03.47	9.37	599.49	599.52
S	603+13.47	9.37	599.32	599.34
☐ Brg. Pier 2	603+24.47	9.37	599.11	599.11
T	603+34.47	9.37	598.87	598.87
U	603+44.47	9.37	598.59	598.62
V	603+54.47	9.37	598.28	598.33
W	603+64.47	9.37	597.94	598.01
X	603+74.47	9.37	597.55	597.63
Y	603+84.47	9.37	597.15	597.23
Z	603+94.47	9.37	596.75	596.81
AA	604+04.47	9.37	596.35	596.39
☐ Brg. N. Abut.	604+16.97	9.37	595.85	595.85
Bk. N. Abut	604+18.97	9.37	595.77	595.77



USER NAME =	idot	DESIGNED -	TB	REVISED -	
		CHECKED -	PRD	REVISED -	
PLOT SCALE =	NONE	DRAWN -	TB	REVISED -	
PLOT DATE =	10/16/2025	CHECKED -	PRD	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TOP OF SLAB ELEVATIONS - 3
STRUCTURE NO. 016-2114

SHEET S-07 OF 38 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	FAI 290 22 BRIDGE 3	COOK	161	99
		CONTRACT NO. 62U12		
		ILLINOIS	FED. AID PROJECT	

MODEL: Default
FILE NAME: W:\191+178_IDOT_205009_1+290 Loomis & Racine\CADD Sheets\62U12_Loomis Street\Structural\0162114-D-162U12-508-TOS_Elevs_Table4.dgn

GIRDER 8

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. S. Abut ☐ Brg. S. Abut.	601+08.97	15.62	595.66	595.66
	601+10.97	15.62	595.75	595.75
A	601+20.97	15.62	596.15	596.19
B	601+30.97	15.62	596.55	596.62
C	601+40.97	15.62	596.95	597.03
D	601+50.97	15.62	597.35	597.44
E	601+60.97	15.62	597.74	597.82
F	601+70.97	15.62	598.10	598.16
G	601+80.97	15.62	598.42	598.45
H	601+90.97	15.62	598.71	598.71
☐ Brg. Pier 1	602+03.47	15.62	599.01	599.01
I	602+13.47	15.62	599.21	599.22
J	602+23.47	15.62	599.38	599.41
K	602+33.47	15.62	599.51	599.56
L	602+43.47	15.62	599.60	599.67
M	602+53.47	15.62	599.66	599.75
N	602+63.47	15.62	599.68	599.77
O	602+73.47	15.62	599.66	599.75
P	602+83.47	15.62	599.61	599.68
Q	602+93.47	15.62	599.52	599.57
R	603+03.47	15.62	599.39	599.42
S	603+13.47	15.62	599.23	599.24
☐ Brg. Pier 2	603+24.47	15.62	599.01	599.01
T	603+34.47	15.62	598.77	598.78
U	603+44.47	15.62	598.50	598.52
V	603+54.47	15.62	598.19	598.24
W	603+64.47	15.62	597.84	597.91
X	603+74.47	15.62	597.45	597.53
Y	603+84.47	15.62	597.05	597.13
Z	603+94.47	15.62	596.65	596.72
AA	604+04.47	15.62	596.25	596.29
☐ Brg. N. Abut. Bk. N. Abut	604+16.97	15.62	595.75	595.75
	604+18.97	15.62	595.67	595.67

EAST CURB LINE

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. S. Abut ☐ Brg. S. Abut.	601+08.97	19.00	595.61	595.61
	601+10.97	19.00	595.70	595.70
A	601+20.97	19.00	596.10	596.14
B	601+30.97	19.00	596.50	596.57
C	601+40.97	19.00	596.90	596.98
D	601+50.97	19.00	597.30	597.39
E	601+60.97	19.00	597.69	597.77
F	601+70.97	19.00	598.05	598.11
G	601+80.97	19.00	598.37	598.40
H	601+90.97	19.00	598.65	598.66
☐ Brg. Pier 1	602+03.47	19.00	598.96	598.96
I	602+13.47	19.00	599.16	599.17
J	602+23.47	19.00	599.33	599.35
K	602+33.47	19.00	599.46	599.51
L	602+43.47	19.00	599.55	599.62
M	602+53.47	19.00	599.60	599.69
N	602+63.47	19.00	599.62	599.72
O	602+73.47	19.00	599.61	599.70
P	602+83.47	19.00	599.56	599.63
Q	602+93.47	19.00	599.47	599.52
R	603+03.47	19.00	599.34	599.37
S	603+13.47	19.00	599.18	599.19
☐ Brg. Pier 2	603+24.47	19.00	598.96	598.96
T	603+34.47	19.00	598.72	598.73
U	603+44.47	19.00	598.45	598.47
V	603+54.47	19.00	598.14	598.19
W	603+64.47	19.00	597.79	597.86
X	603+74.47	19.00	597.40	597.48
Y	603+84.47	19.00	597.00	597.08
Z	603+94.47	19.00	596.60	596.67
AA	604+04.47	19.00	596.20	596.24
☐ Brg. N. Abut. Bk. N. Abut	604+16.97	19.00	595.70	595.70
	604+18.97	19.00	595.62	595.62

GIRDER 9

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. S. Abut ☐ Brg. S. Abut.	601+08.97	21.87	595.61	595.61
	601+10.97	21.87	595.70	595.70
A	601+20.97	21.87	596.10	596.14
B	601+30.97	21.87	596.50	596.57
C	601+40.97	21.87	596.90	596.98
D	601+50.97	21.87	597.30	597.39
E	601+60.97	21.87	597.69	597.77
F	601+70.97	21.87	598.05	598.11
G	601+80.97	21.87	598.37	598.40
H	601+90.97	21.87	598.65	598.66
☐ Brg. Pier 1	602+03.47	21.87	598.96	598.96
I	602+13.47	21.87	599.16	599.17
J	602+23.47	21.87	599.33	599.35
K	602+33.47	21.87	599.46	599.51
L	602+43.47	21.87	599.55	599.62
M	602+53.47	21.87	599.60	599.69
N	602+63.47	21.87	599.62	599.72
O	602+73.47	21.87	599.61	599.70
P	602+83.47	21.87	599.56	599.63
Q	602+93.47	21.87	599.47	599.52
R	603+03.47	21.87	599.34	599.37
S	603+13.47	21.87	599.18	599.19
☐ Brg. Pier 2	603+24.47	21.87	598.96	598.96
T	603+34.47	21.87	598.72	598.73
U	603+44.47	21.87	598.45	598.47
V	603+54.47	21.87	598.14	598.19
W	603+64.47	21.87	597.79	597.86
X	603+74.47	21.87	597.40	597.48
Y	603+84.47	21.87	597.00	597.08
Z	603+94.47	21.87	596.60	596.67
AA	604+04.47	21.87	596.20	596.24
☐ Brg. N. Abut. Bk. N. Abut	604+16.97	21.87	595.70	595.70
	604+18.97	21.87	595.62	595.62



USER NAME =	idot	DESIGNED -	TB	REVISED -	
		CHECKED -	PRD	REVISED -	
PLOT SCALE =	NONE	DRAWN -	TB	REVISED -	
PLOT DATE =	10/16/2025	CHECKED -	PRD	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TOP OF SLAB ELEVATIONS - 4
STRUCTURE NO. 016-2114

SHEET S-08 OF 38 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	FAI 290 22 BRIDGE 3	COOK	161	100
		CONTRACT NO. 62U12		
		ILLINOIS	FED. AID PROJECT	

MODEL: Default
FILE NAME: W:\191+178_IDOT_205009_1+290 Loomis & Racine\CADD Sheets\62U12_Loomis Street\Structural\0162114-D-162U12-509-TOS_Elevs_Table5.dgn

GIRDER 10

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. S. Abut	601+08.97	28.12	595.61	595.61
℄ Brg. S. Abut.	601+10.97	28.12	595.70	595.70
A	601+20.97	28.12	596.10	596.14
B	601+30.97	28.12	596.50	596.57
C	601+40.97	28.12	596.90	596.98
D	601+50.97	28.12	597.30	597.39
E	601+60.97	28.12	597.69	597.77
F	601+70.97	28.12	598.05	598.11
G	601+80.97	28.12	598.37	598.40
H	601+90.97	28.12	598.65	598.66
℄ Brg. Pier 1	602+03.47	28.12	598.96	598.96
I	602+13.47	28.12	599.16	599.17
J	602+23.47	28.12	599.33	599.35
K	602+33.47	28.12	599.46	599.51
L	602+43.47	28.12	599.55	599.62
M	602+53.47	28.12	599.60	599.69
N	602+63.47	28.12	599.62	599.72
O	602+73.47	28.12	599.61	599.70
P	602+83.47	28.12	599.56	599.63
Q	602+93.47	28.12	599.47	599.52
R	603+03.47	28.12	599.34	599.37
S	603+13.47	28.12	599.18	599.19
℄ Brg. Pier 2	603+24.47	28.12	598.96	598.96
T	603+34.47	28.12	598.72	598.73
U	603+44.47	28.12	598.45	598.47
V	603+54.47	28.12	598.14	598.19
W	603+64.47	28.12	597.79	597.86
X	603+74.47	28.12	597.40	597.48
Y	603+84.47	28.12	597.00	597.08
Z	603+94.47	28.12	596.60	596.67
AA	604+04.47	28.12	596.20	596.24
℄ Brg. N. Abut.	604+16.97	28.12	595.70	595.70
Bk. N. Abut	604+18.97	28.12	595.62	595.62



USER NAME =	idot	DESIGNED -	TB	REVISED -	
		CHECKED -	PRD	REVISED -	
PLOT SCALE =	NONE	DRAWN -	TB	REVISED -	
PLOT DATE =	10/16/2025	CHECKED -	PRD	REVISED -	

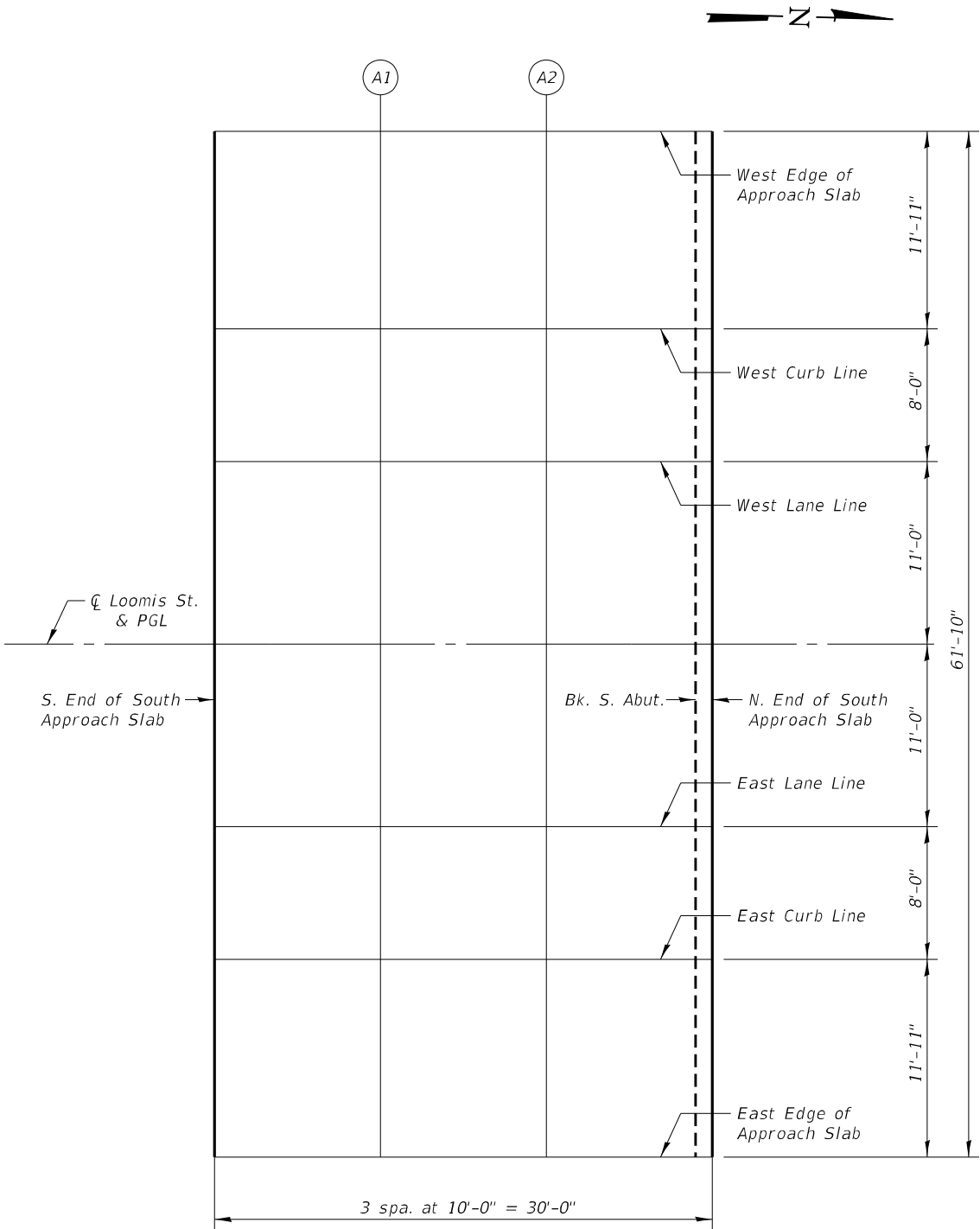
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TOP OF SLAB ELEVATIONS - 5
STRUCTURE NO. 016-2114

SHEET S-09 OF 38 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	FAI 290 22 BRIDGE 3	COOK	161	101
CONTRACT NO. 62U12				
		ILLINOIS	FED. AID PROJECT	

MODEL: Default
FILE NAME: W:\191+178_IDOT_205009_1+290 Loomis & Racine\CADD Sheets\62U12_Loomis Street\Structural\0162114-D162U12-510-TOS_SAppr_Elevs.dgn



PLAN
South Approach

WEST EDGE OF APPROACH SLAB

Location	Station	Offset	Theoretical Grade Elevations
S. End South Appr. Slab	600+79.97	-30.92	594.30
A1	600+89.97	-30.92	594.74
A2	600+99.97	-30.92	595.20
N. End South Appr. Slab	601+09.97	-30.92	595.66

EAST LANE LINE

Location	Station	Offset	Theoretical Grade Elevations
S. End South Appr. Slab	600+79.97	11.00	594.42
A1	600+89.97	11.00	594.86
A2	600+99.97	11.00	595.32
N. End South Appr. Slab	601+09.97	11.00	595.78

WEST CURB LINE

Location	Station	Offset	Theoretical Grade Elevations
S. End South Appr. Slab	600+79.97	-19.00	594.30
A1	600+89.97	-19.00	594.74
A2	600+99.97	-19.00	595.20
N. End South Appr. Slab	601+09.97	-19.00	595.66

EAST CURB LINE

Location	Station	Offset	Theoretical Grade Elevations
S. End South Appr. Slab	600+79.97	19.00	594.30
A1	600+89.97	19.00	594.74
A2	600+99.97	19.00	595.20
N. End South Appr. Slab	601+09.97	19.00	595.66

WEST LANE LINE

Location	Station	Offset	Theoretical Grade Elevations
S. End South Appr. Slab	600+79.97	-11.00	594.42
A1	600+89.97	-11.00	594.86
A2	600+99.97	-11.00	595.32
N. End South Appr. Slab	601+09.97	-11.00	595.78

EAST EDGE OF APPROACH SLAB

Location	Station	Offset	Theoretical Grade Elevations
S. End South Appr. Slab	600+79.97	30.92	594.30
A1	600+89.97	30.92	594.74
A2	600+99.97	30.92	595.20
N. End South Appr. Slab	601+09.97	30.92	595.66

CL LOOMIS ST. & PGL

Location	Station	Offset	Theoretical Grade Elevations
S. End South Appr. Slab	600+79.97	0.00	594.59
A1	600+89.97	0.00	595.03
A2	600+99.97	0.00	595.49
N. End South Appr. Slab	601+09.97	0.00	595.95



USER NAME = idot	DESIGNED - TB	REVISED -
	CHECKED - PRD	REVISED -
PLOT SCALE = NONE	DRAWN - TB	REVISED -
PLOT DATE = 10/16/2025	CHECKED - PRD	REVISED -

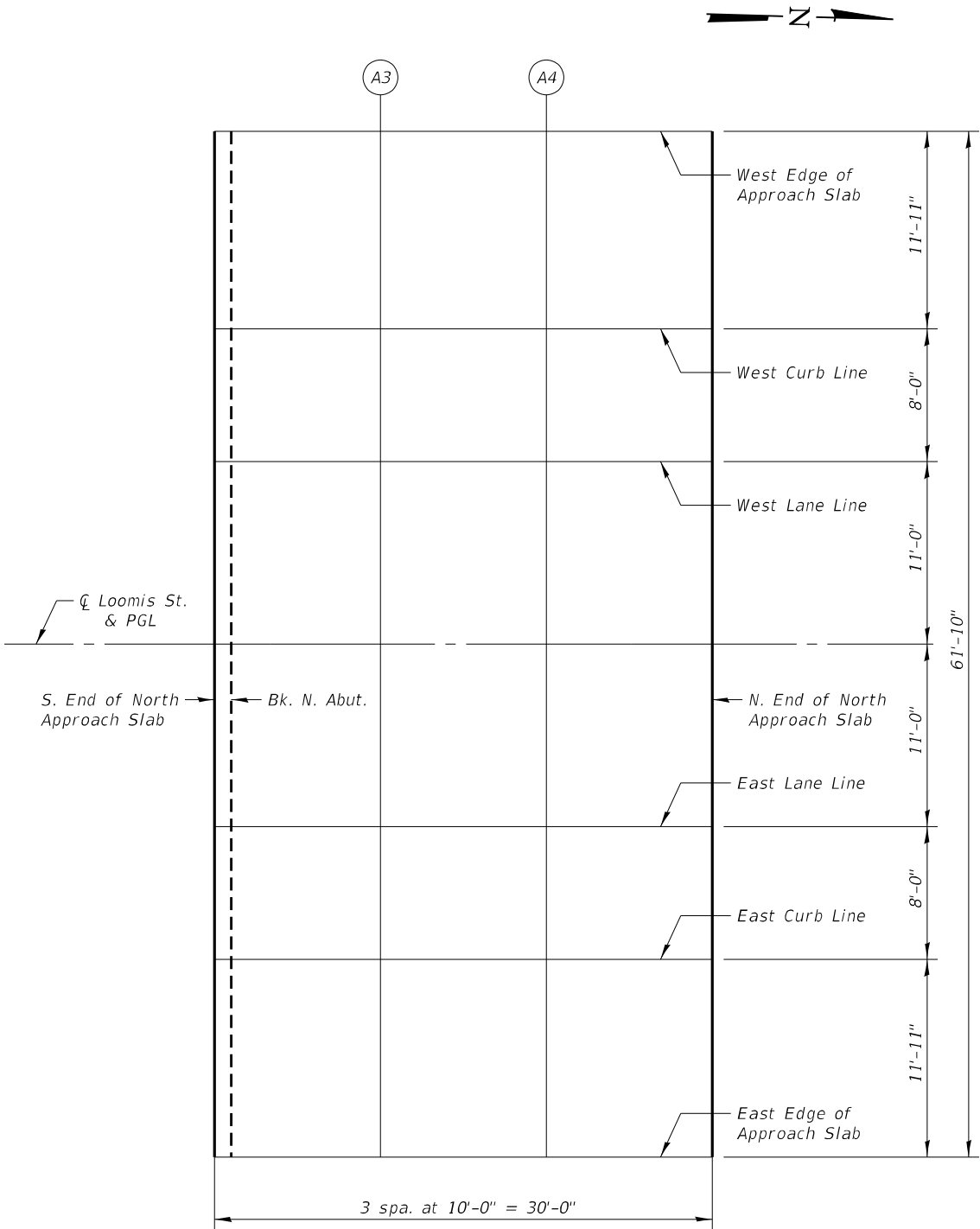
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TOP OF SOUTH APPROACH SLAB ELEVATIONS
STRUCTURE NO. 016-2114

SHEET S-10 OF 38 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	FAI 290 22 BRIDGE 3	COOK	161	102
CONTRACT NO. 62U12				
ILLINOIS		FED. AID PROJECT		

MODEL: Default
FILE NAME: W:\191+178_IDOT_205009_1+290_Loomis & Racine\CADD_Sheets\62U12_Loomis Street\Structural\0162114-D162U12-511-TOS_NAppr_Elevs.dgn



PLAN
North Approach

WEST EDGE OF APPROACH SLAB

Location	Station	Offset	Theoretical Grade Elevations
S. End North Appr. Slab	604+17.97	-30.92	595.66
A3	604+27.97	-30.92	595.25
A4	604+37.97	-30.92	594.82
N. End North Appr. Slab	604+47.97	-30.92	594.43

EAST LANE LINE

Location	Station	Offset	Theoretical Grade Elevations
S. End North Appr. Slab	604+17.97	11.00	595.78
A3	604+27.97	11.00	595.37
A4	604+37.97	11.00	594.94
N. End North Appr. Slab	604+47.97	11.00	594.55

WEST CURB LINE

Location	Station	Offset	Theoretical Grade Elevations
S. End North Appr. Slab	604+17.97	-19.00	595.66
A3	604+27.97	-19.00	595.25
A4	604+37.97	-19.00	594.82
N. End North Appr. Slab	604+47.97	-19.00	594.43

EAST CURB LINE

Location	Station	Offset	Theoretical Grade Elevations
S. End North Appr. Slab	604+17.97	19.00	595.66
A3	604+27.97	19.00	595.25
A4	604+37.97	19.00	594.82
N. End North Appr. Slab	604+47.97	19.00	594.43

WEST LANE LINE

Location	Station	Offset	Theoretical Grade Elevations
S. End North Appr. Slab	604+17.97	-11.00	595.78
A3	604+27.97	-11.00	595.37
A4	604+37.97	-11.00	594.94
N. End North Appr. Slab	604+47.97	-11.00	594.55

EAST EDGE OF APPROACH SLAB

Location	Station	Offset	Theoretical Grade Elevations
S. End North Appr. Slab	604+17.97	30.92	595.66
A3	604+27.97	30.92	595.25
A4	604+37.97	30.92	594.82
N. End North Appr. Slab	604+47.97	30.92	594.43

CL LOOMIS ST. & PGL

Location	Station	Offset	Theoretical Grade Elevations
S. End North Appr. Slab	604+17.97	0.00	595.95
A3	604+27.97	0.00	595.54
A4	604+37.97	0.00	595.10
N. End North Appr. Slab	604+47.97	0.00	594.71



USER NAME = idot	DESIGNED - TB	REVISED -
CHECKED - PRD	REVISED -	
PLOT SCALE = NONE	DRAWN - TB	REVISED -
PLOT DATE = 10/16/2025	CHECKED - PRD	REVISED -

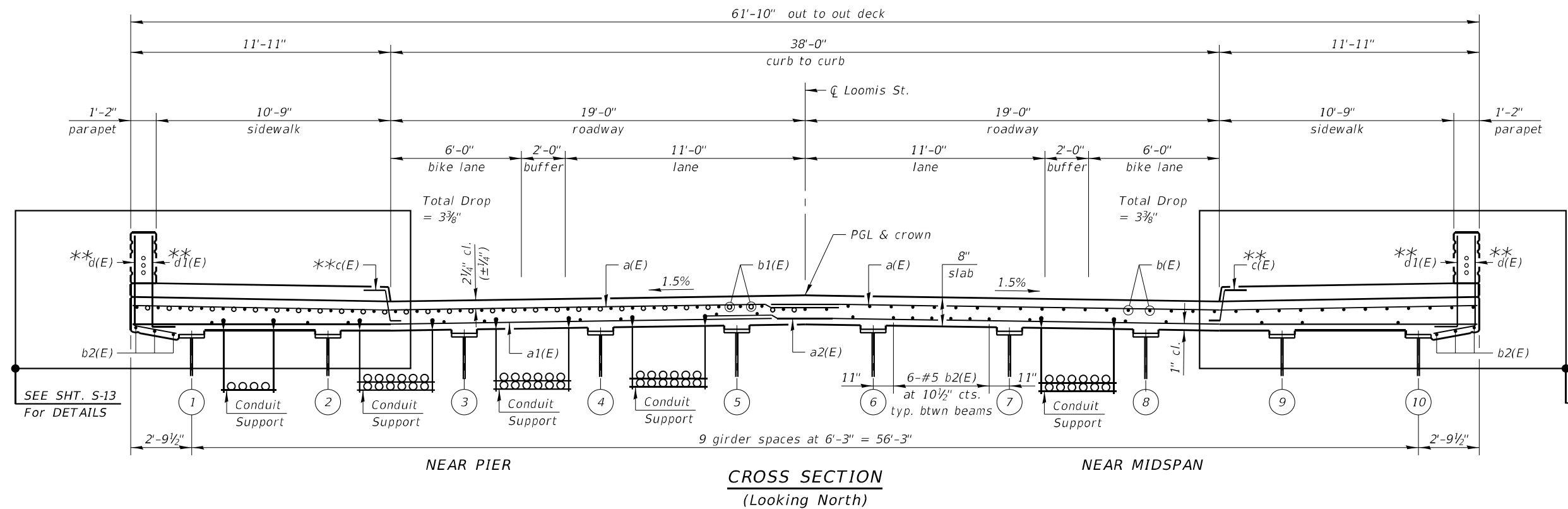
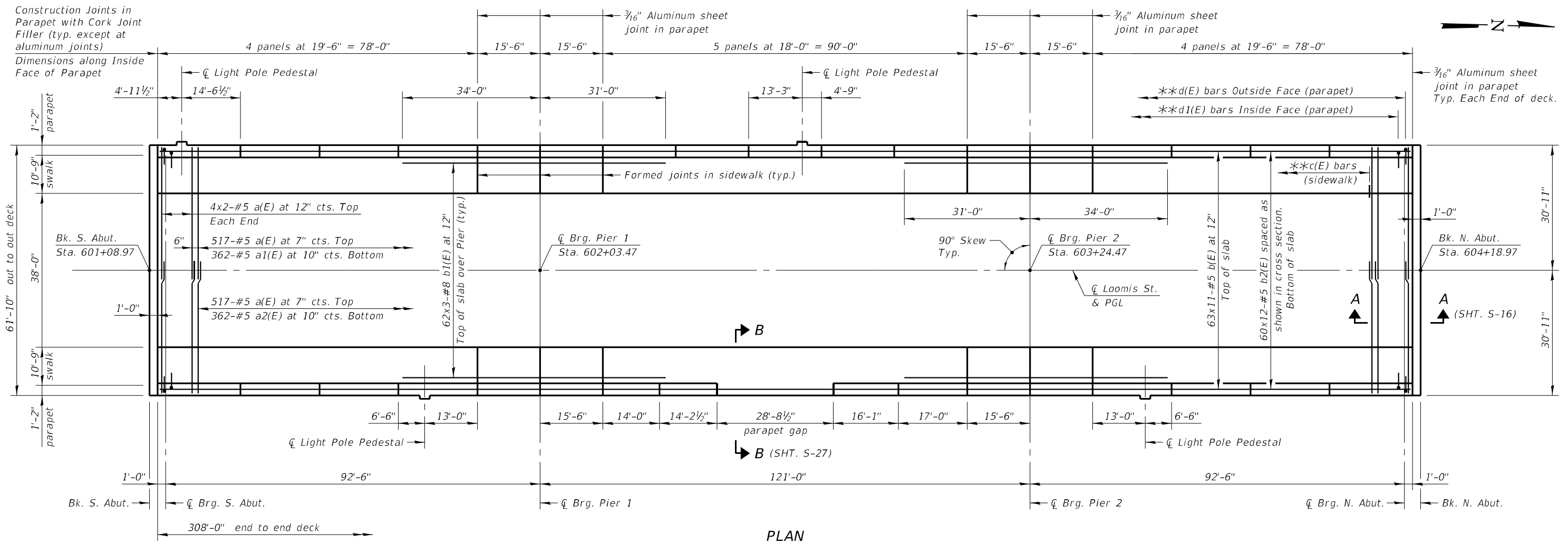
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TOP OF NORTH APPROACH SLAB ELEVATIONS
STRUCTURE NO. 016-2114

SHEET S-11 OF 38 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	FAI 290 22 BRIDGE 3	COOK	161	103
CONTRACT NO. 62U12				
ILLINOIS		FED. AID PROJECT		

MODEL: Default
FILE NAME: W:\191+178_IDOT_205009_1+290_Loomis & Racine\CADD_Sheets\62U12_Loomis Street\Structural\0162114-D162U12-512-5upper_Xsect.dgn
10/16/2025 5:20:36 PM



Notes:

Bars indicated thus 20x3-#5 etc. indicates 20 lines of bars with 3 lengths per line.

See Sheets S-13, S-14 and S-15 for Sidewalk and Parapet Details.

See Sheet S-16 for Deck Diaphragm Details.

See Sheet S-17 for Deck Misc. Details and Bill of Material.

See Sheet S-17 for Conduit Support Details

See Sheet S-27 for deck, sidewalk, parapet and joint details for the CTA station opening.

** For c(E), d(E) and d1(E) bars - deck to sidewalk/parapet bars, see Sheets S-13 and S-14.

MIN. BAR LAPS:

#5 = 3'-10"
#8 = 7'-4"



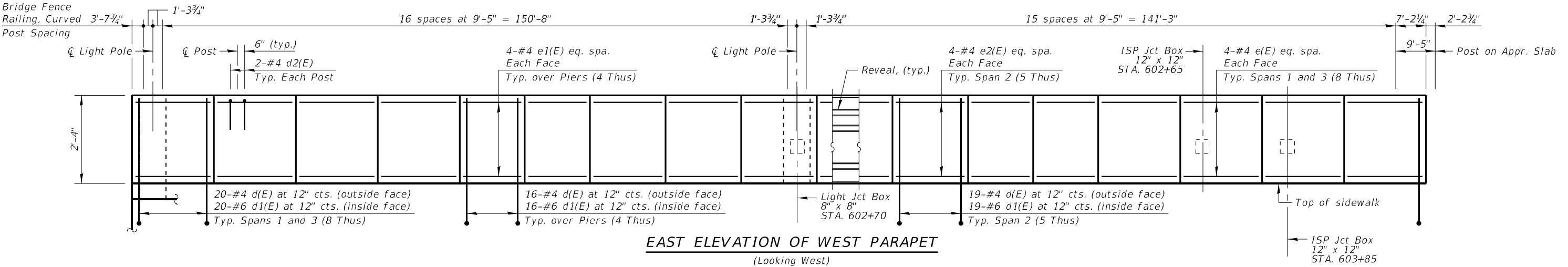
USER NAME	=	idot	DESIGNED	-	TB	REVISED	-
CHECKED	-	PRD	REVIS	-		REVISED	-
PLOT SCALE	=	NONE	DRAWN	-	TB	REVISED	-
PLOT DATE	=	10/16/2025	CHECKED	-	PRD	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DECK PLAN AND CROSS SECTION
STRUCTURE NO. 016-2114

SHEET S-12 OF 38 SHEETS

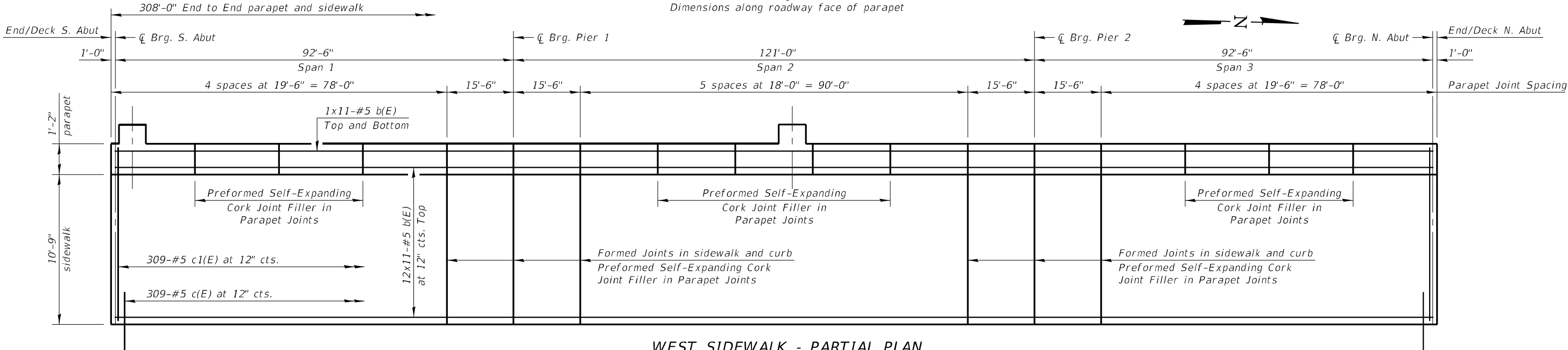
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	FAI 290 22 BRIDGE 3	COOK	161	104
CONTRACT NO. 62U12				
ILLINOIS FED. AID PROJECT				



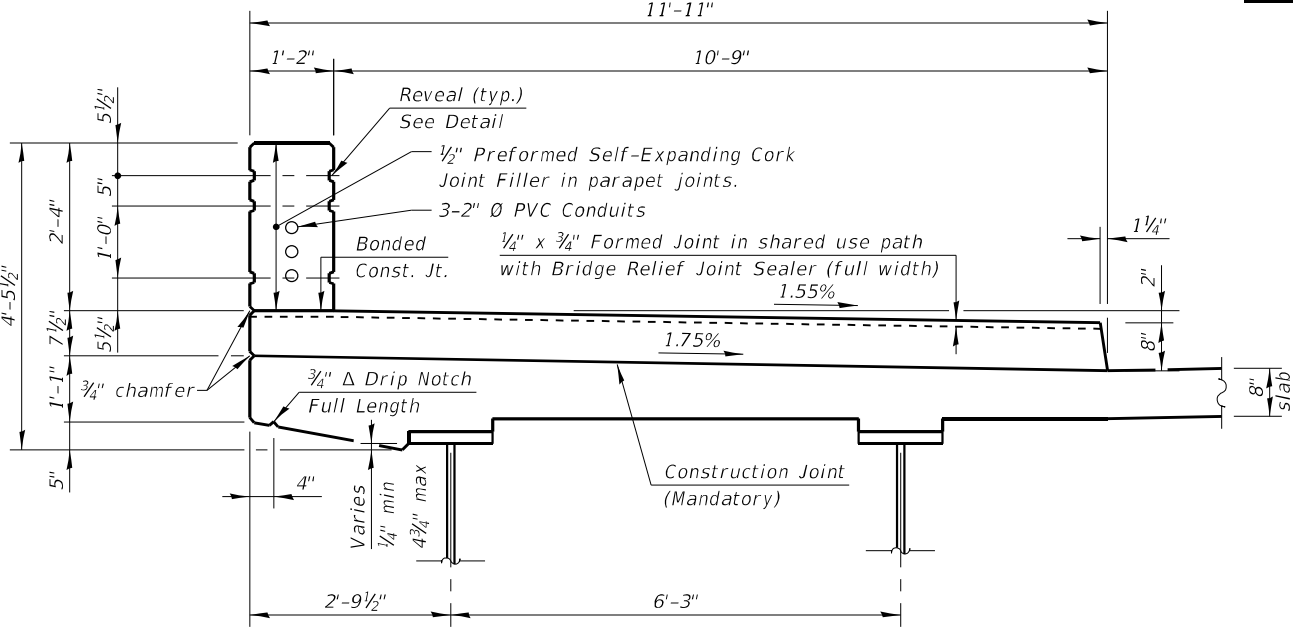
EAST ELEVATION OF WEST PARAPET

(Looking West)

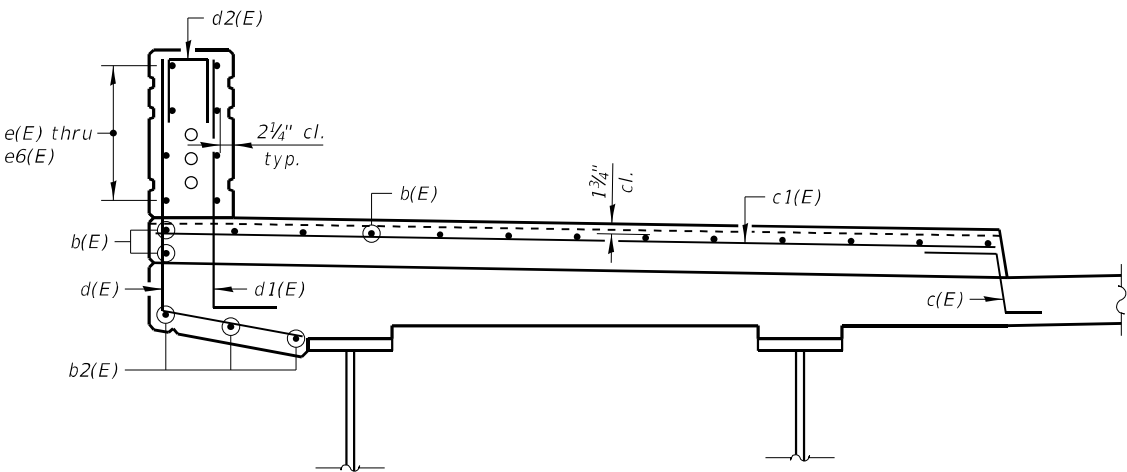
Dimensions along roadway face of parapet



WEST SIDEWALK - PARTIAL PLAN



SECTION THRU SIDEWALK AND PARAPET
(Showing Dimensions)



SECTION THRU SIDEWALK AND PARAPET
(Showing Reinforcement Bars)

Notes:
Bars indicated thus 20x3-#5 etc. indicates 20 lines of bars with 3 lengths per line.

See Sheet S-14 for Cork Filled Parapet Joint Detail.

See Sheet S-15 for reveal detail and additional architectural parapet details.

See Sheet S-17 for Light Pole Pedestal Details, Deck Misc. Details and Bill of Material.

See Sheets S-22 and S-23 for Bridge Fence Railing, Curved Details.

MIN. BAR LAPS:
#5 = 3'-10"

MODEL: Default
FILE NAME: W:\191-178_IDOT_205009_1290 Loomis & Racine\CADD Sheets\62U12_Loomis Street\Structural\0162114-D162U12-513-5uper_Viswalk_parapet.dgn
10/16/2025 5:20:37 PM



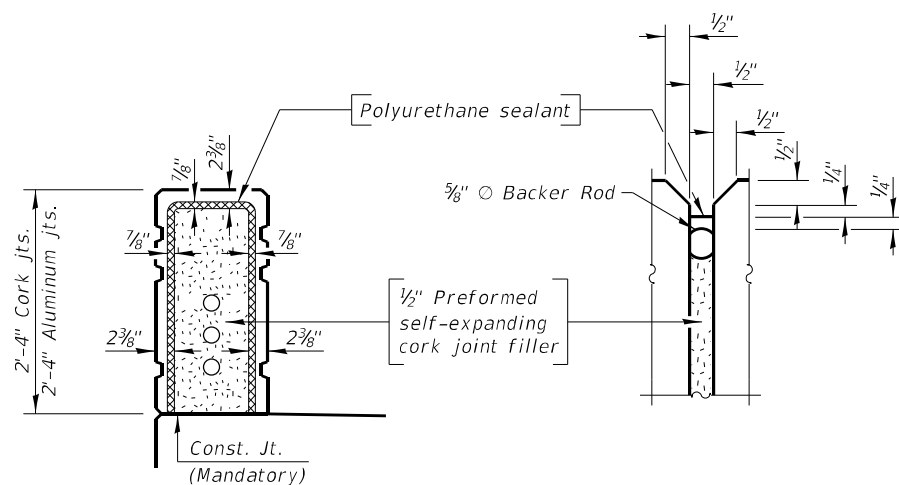
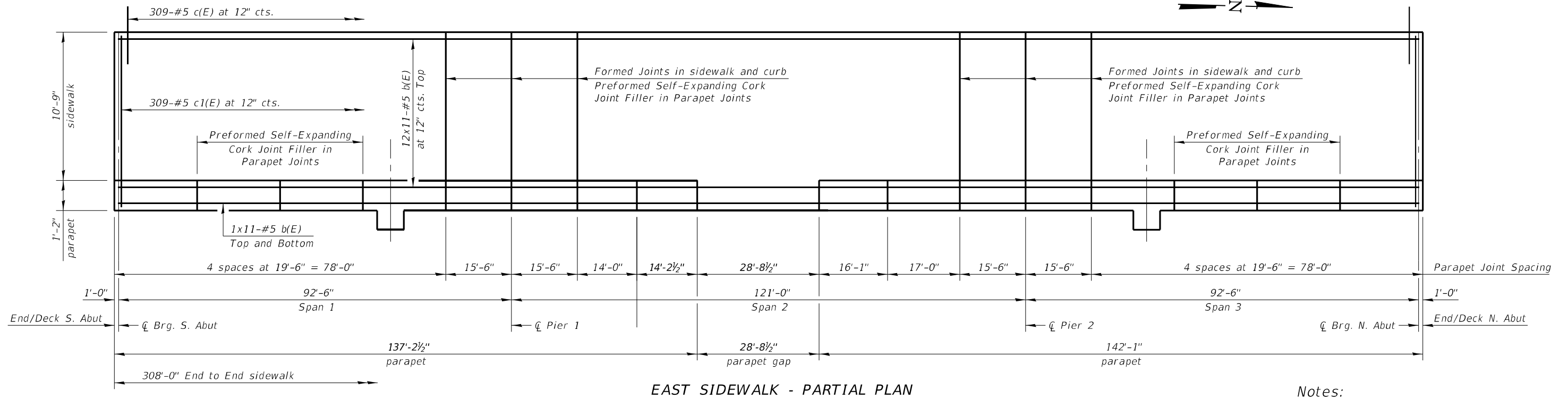
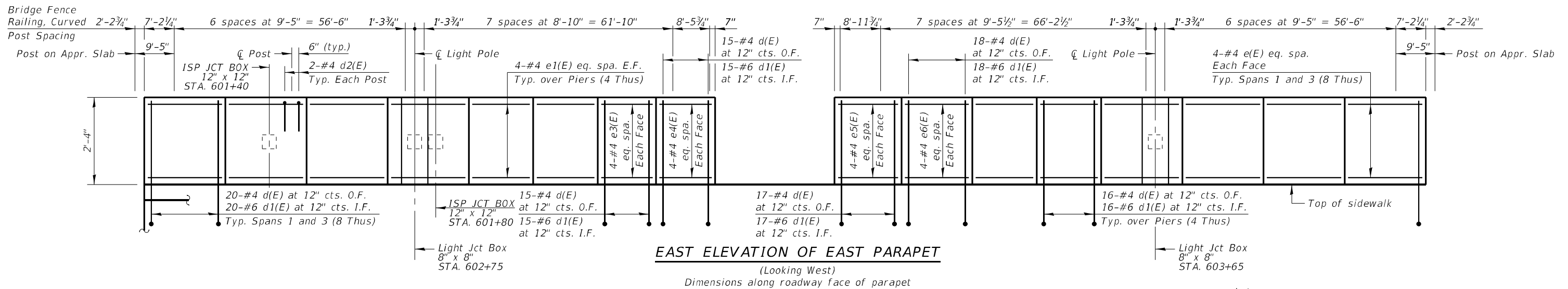
USER NAME =	idot	DESIGNED -	TB	REVISED -	
		CHECKED -	PRD	REVISED -	
PLOT SCALE =	NONE	DRAWN -	TB	REVISED -	
PLOT DATE =	10/16/2025	CHECKED -	PRD	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WEST SIDEWALK AND PARAPET DETAILS
STRUCTURE NO. 016-2114

SHEET S-13 OF 38 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	FAI 290 22 BRIDGE 3	COOK	161	105
CONTRACT NO. 62U12				
ILLINOIS FED. AID PROJECT				



Notes:

Bars indicated thus 20x3-#5 etc. indicates 20 lines of bars with 3 lengths per line.

The $\frac{3}{16}$ " min. aluminum sheet shall be ASTM B 209 alloy 3003-H14 and coated with 5 mils of either bitumen paint or epoxy paint to minimize reaction with wet concrete. Cost included with "Concrete Superstructure".

The polyurethane sealant shall be according to Article 1050.04 of the Std. Spec. and the color shall be gray.

See Sheet S-13 for Section Thru Sidewalk
and Parapet.

See Sheet S-17 for Deck Misc. Details
and Bill of Material.

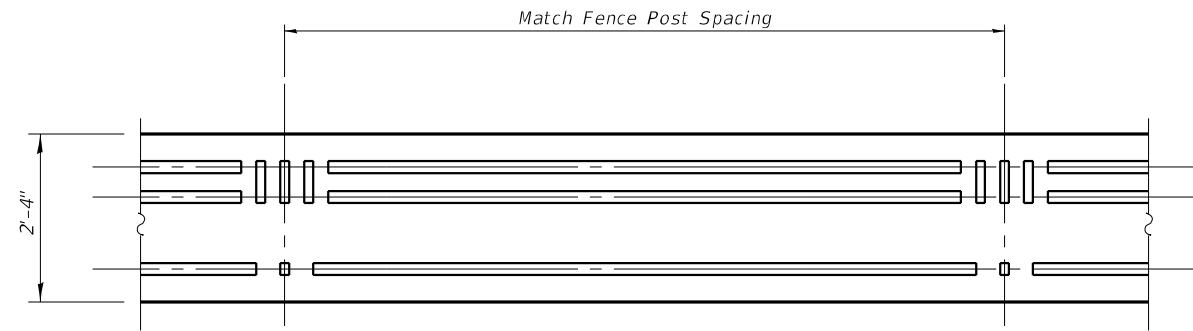
See Sheets S-22 and S-23 for Bridge
Fence Railing, Curved Details.

See Sheet S-27 for additional jct boxes, parapet and joint details for the CTA station opening.

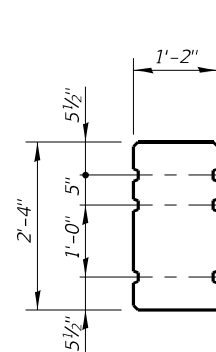
Legend

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

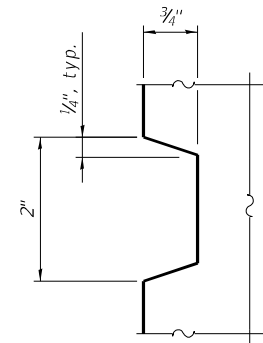
MIN. BAR LAPS:
#5 = 3'-10"



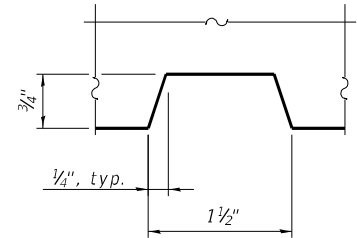
PARAPET ELEVATION



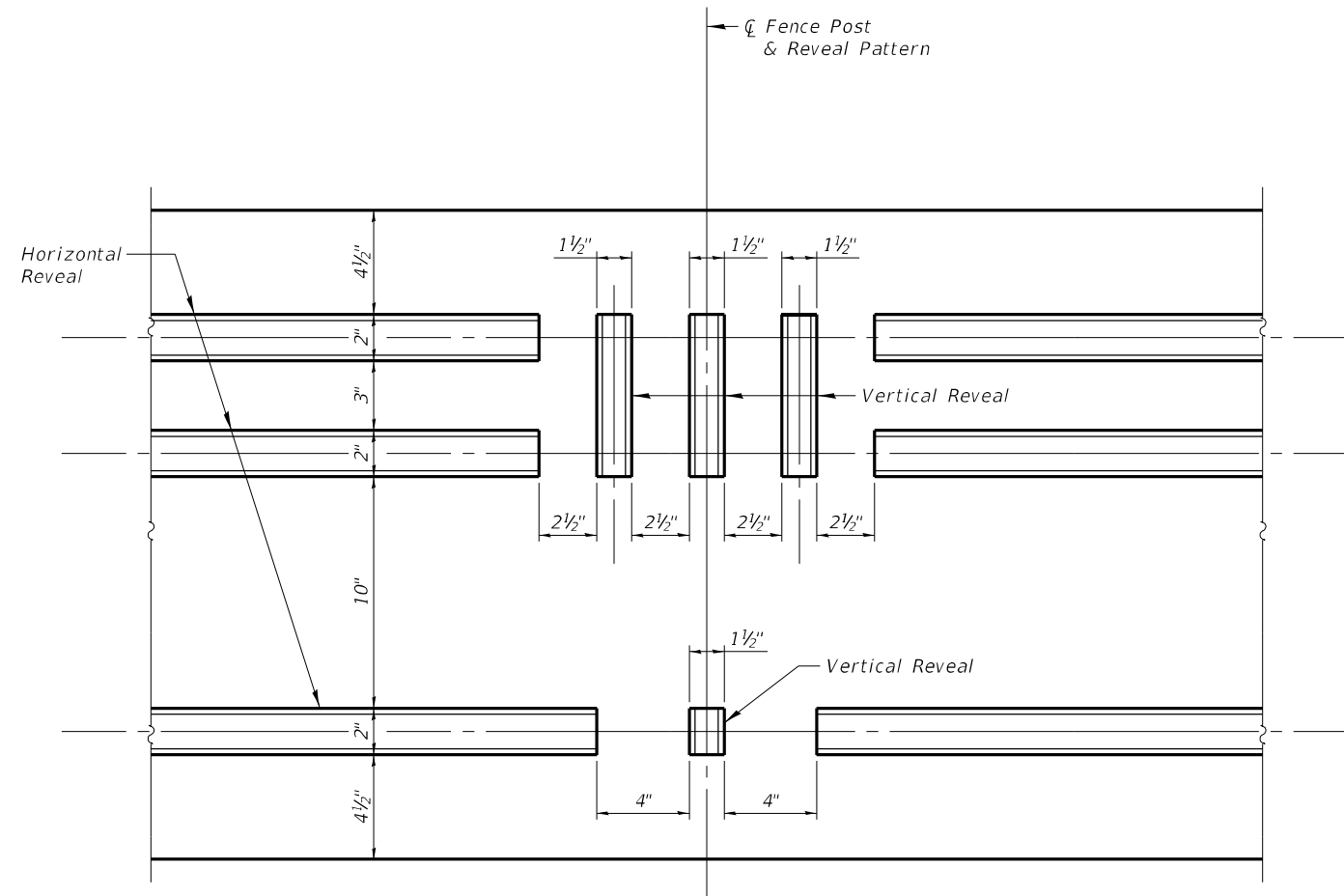
CROSS SECTION



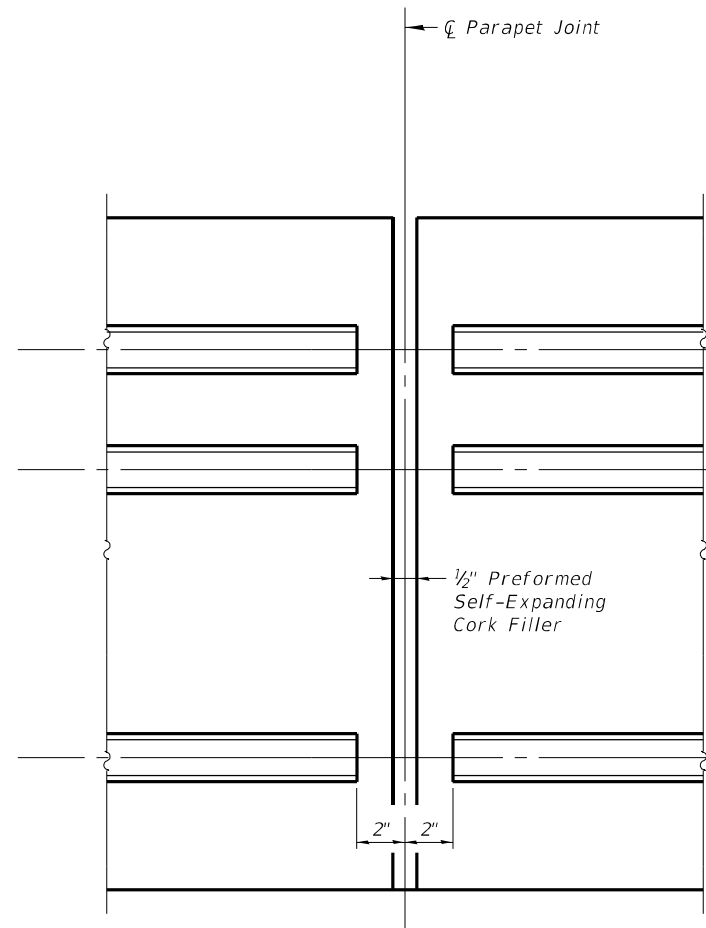
HORIZONTAL
REVEAL DETAIL



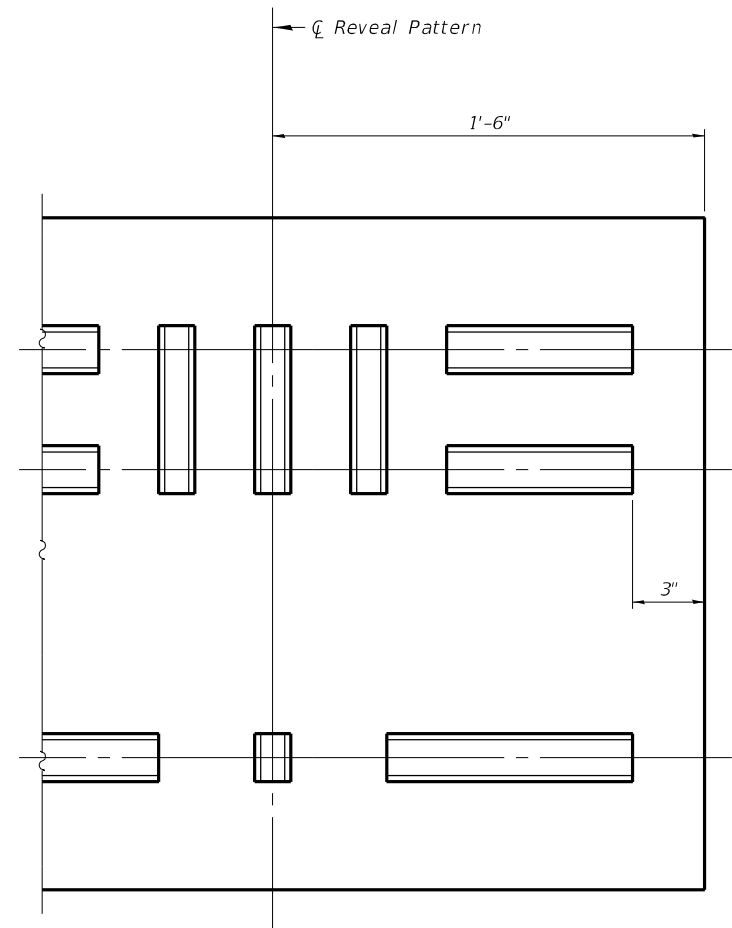
VERTICAL
REVEAL DETAIL



REVEAL PATTERN ENLARGEMENT



PARAPET JOINT DETAIL

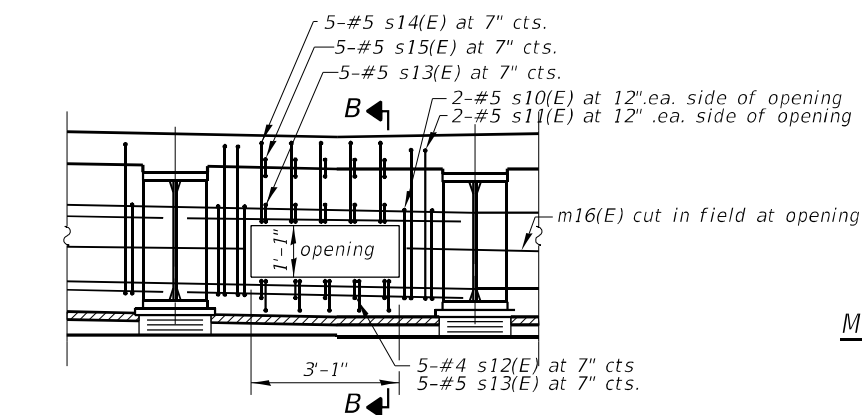
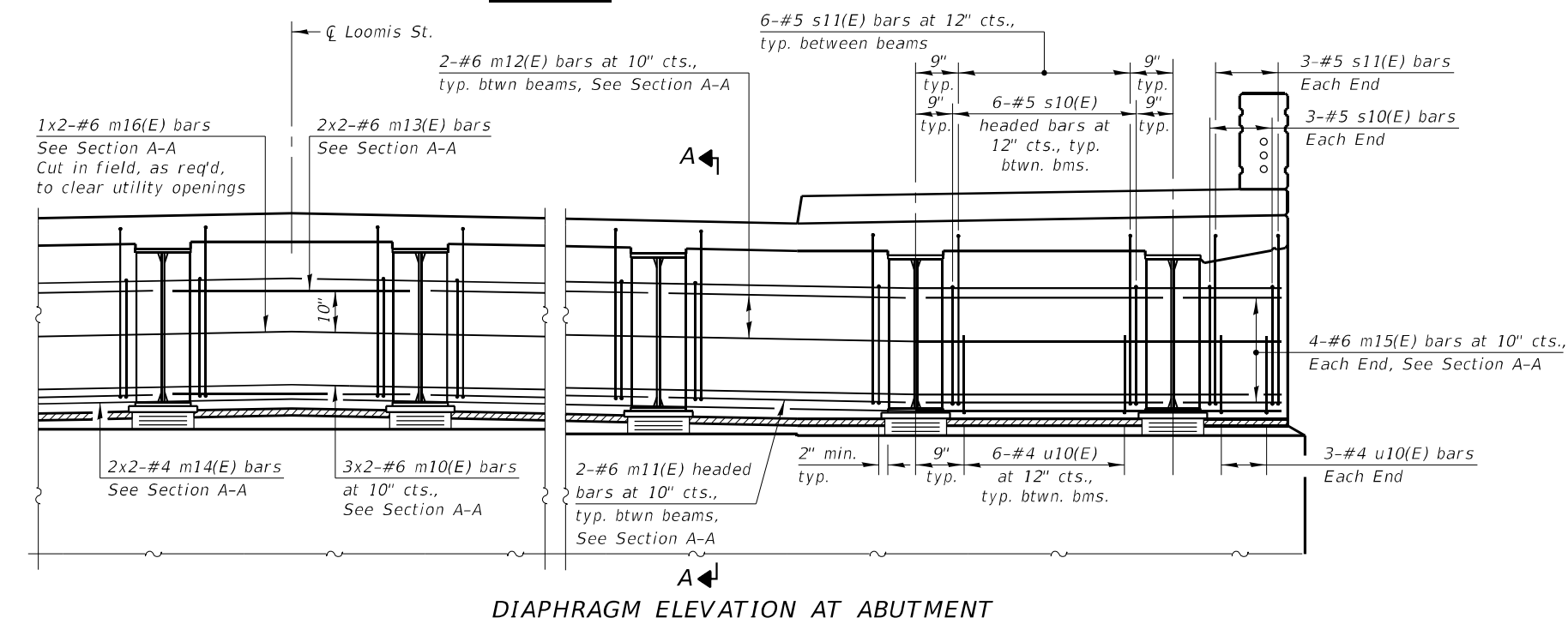
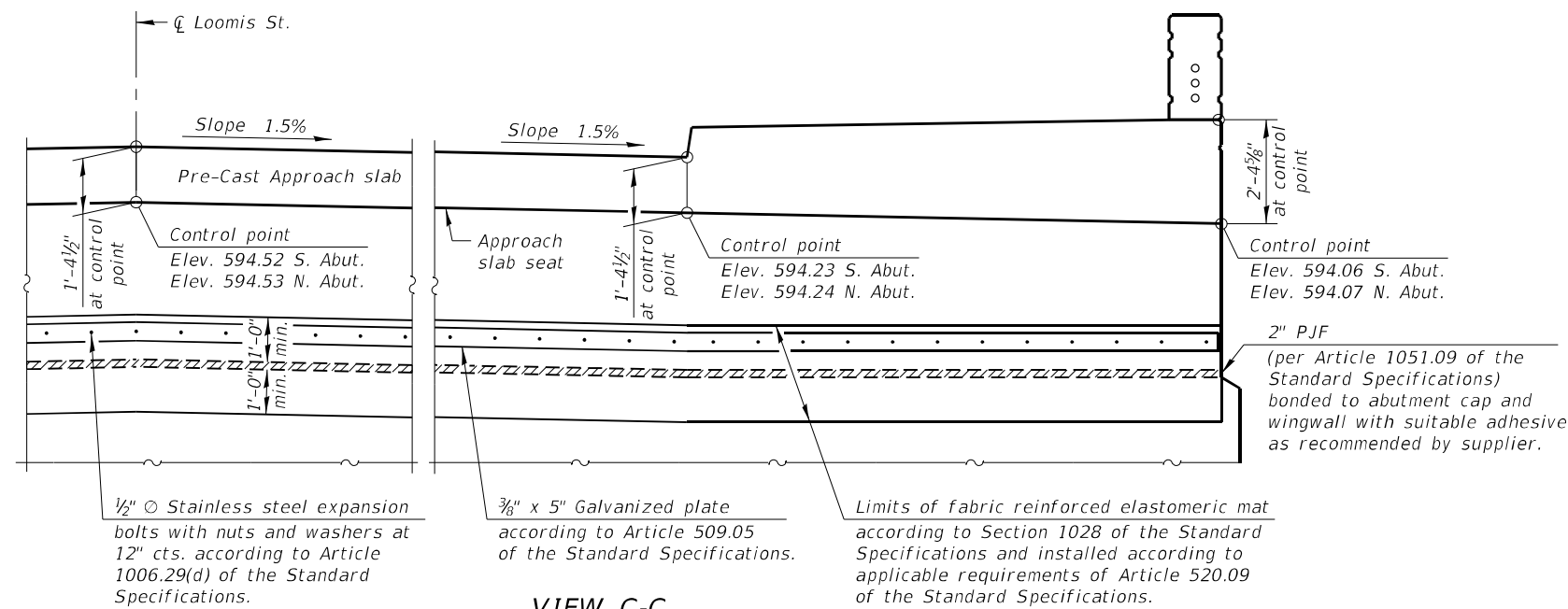


END OF PARAPET DETAIL

Notes:
The Chicago Parapet reveal pattern may vary at terminal ends, light pole foundations and other site conditions. In all other situations, the center vertical notch shall be centered with the center of the bridge fence post.
The Chicago Parapet reveal pattern will not be paid for separately but will be included in the unit bid price per cubic yard for Concrete Superstructure.
The Contractor shall submit shop drawings for the Chicago Parapet reveal pattern that includes bridge fence post locations and light poles.

MODEL: Default
FILE NAME: W:\191-178_IDOT_205009_1290 Loomis & Racine\CADD Sheets\62U12_Loomis Street\Structural\0162114-D162U12-515-Super_arch_parapet.dgn
10/16/2025 5:20:39 PM

	USER NAME = idot			DESIGNED - TB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ARCHITECTURAL PARAPET DETAILS STRUCTURE NO. 016-2114			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = NONE			CHECKED - PRD	REVISED -					290	FAI 290 22 BRIDGE 3	COOK	161	107
	PLOT DATE = 10/16/2025			DRAWN - TB	REVISED -					CONTRACT NO. 62U12				
				CHECKED - PRD	REVISED -		SHEET S-15 OF 38 SHEETS			ILLINOIS FED. AID PROJECT				



MINIMUM BAR LAP

#4 bar = 1'-7"
#6 bar = 3'-1"

#6 bar = 3'-1"

Notes:

Reinforcement bars in diaphragm are billed with superstructure on Sheet S-17.

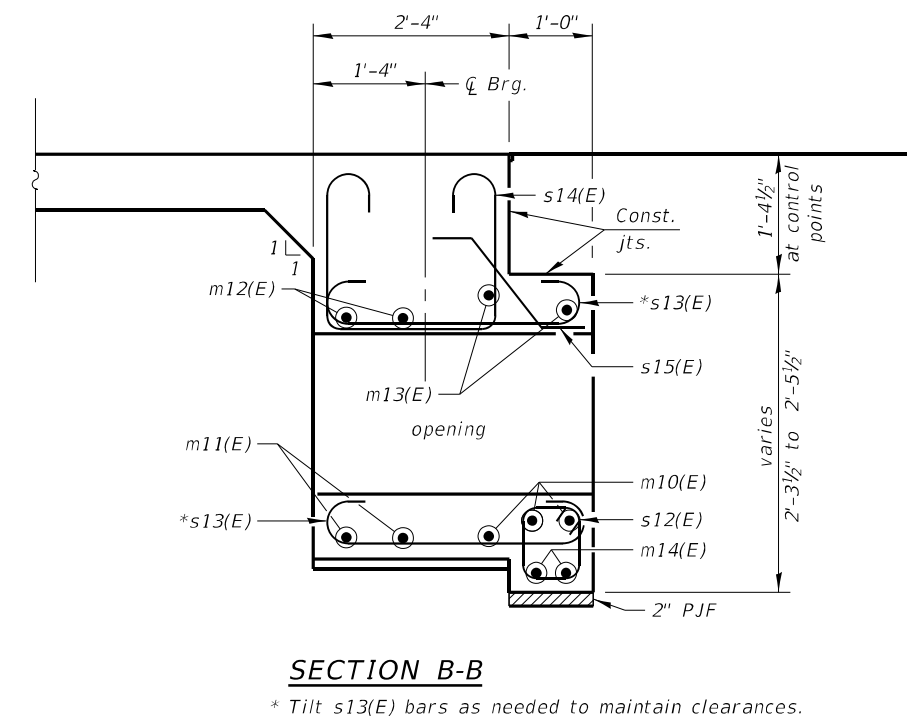
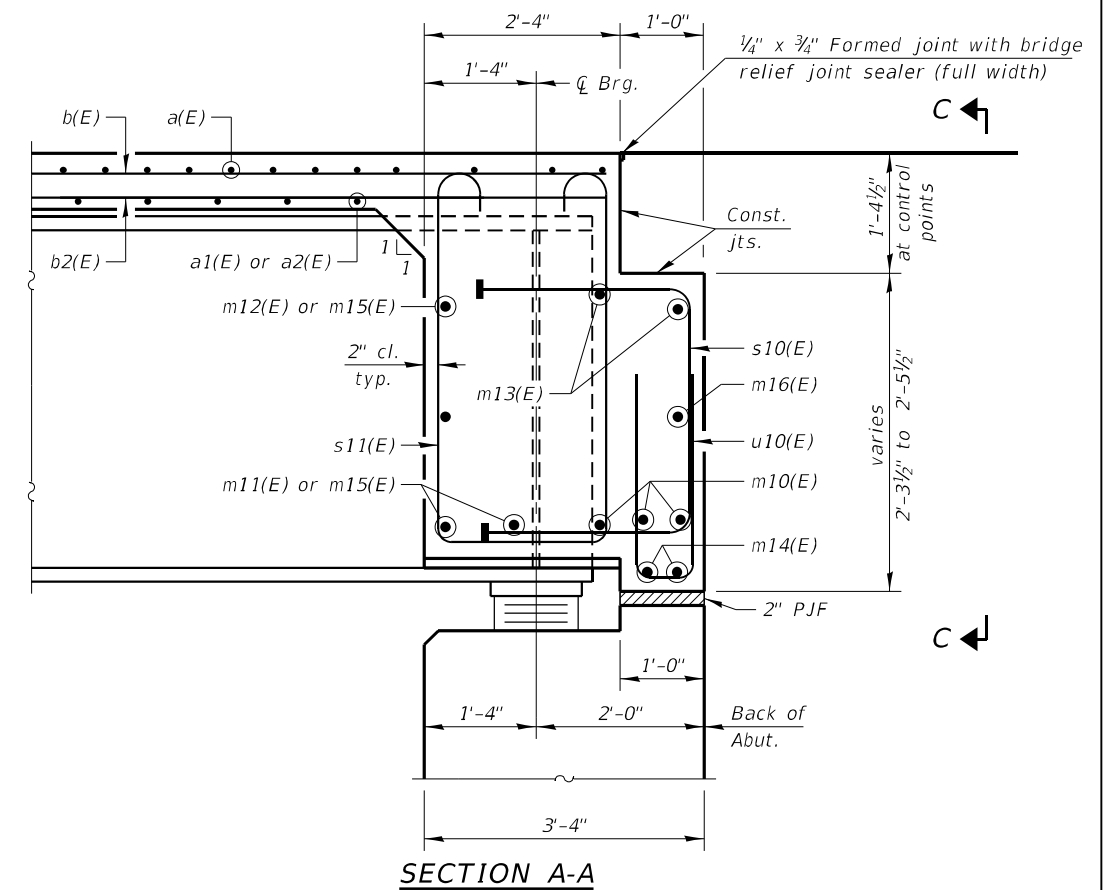
Concrete in diaphragm is included with Concrete Superstructure on Sheet S-17.

See Sheet S-31 for bearing details.

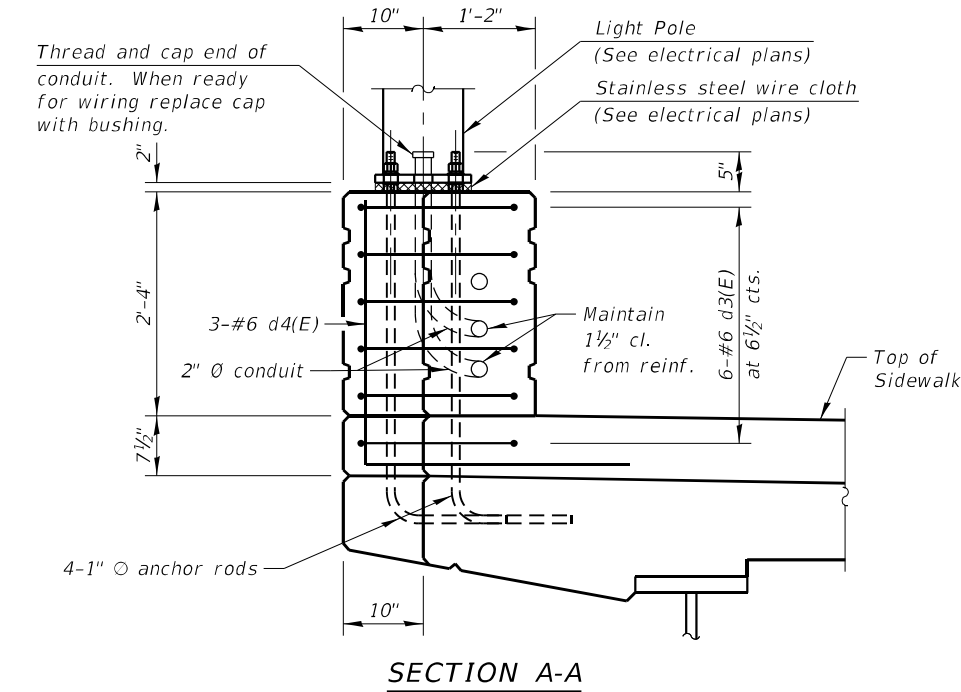
See Sheet S-17 for details of bars s10(E) and s11(E).

The approach slab seat shall have a constant slope determined from the control points shown.

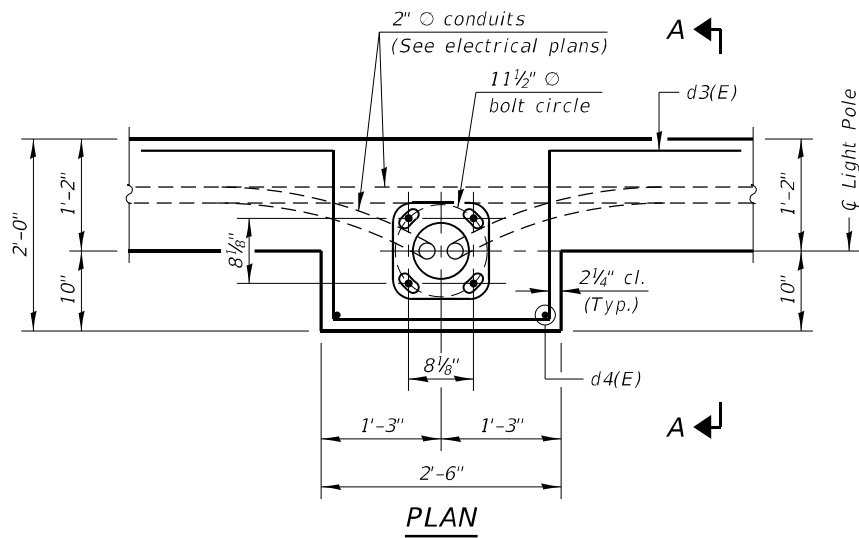
Cost of fabric reinforced elastomeric mat, galvanized plate, stainless steel expansion bolts with nuts and washers and installation are included in the cost of Concrete Superstructure.



MODEL: Default
FILE NAME: W:\191-178_IDOT_205009_1290_Loomis & Racine\CADD_Sheets\62U12_Loomis Street\Structural\0162114-D162U12-517-5_upper_details.dgn
10/16/2025 5:20:41 PM

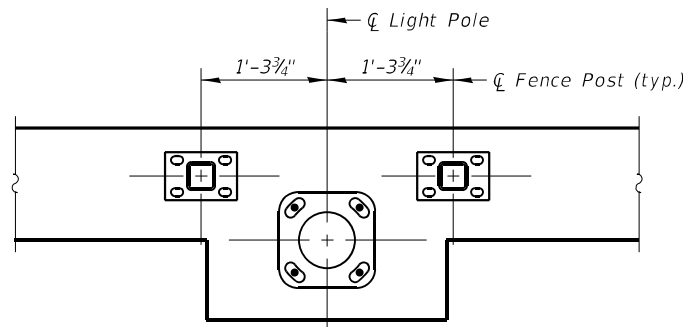


SECTION A-A



PLAN - LIGHT POLE & FENCE POSTS

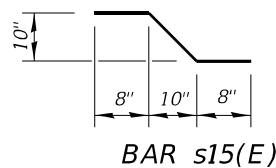
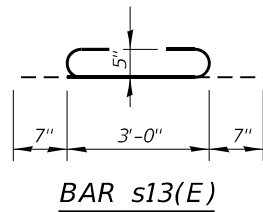
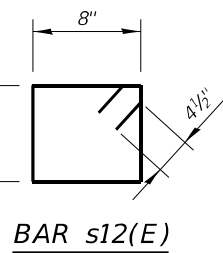
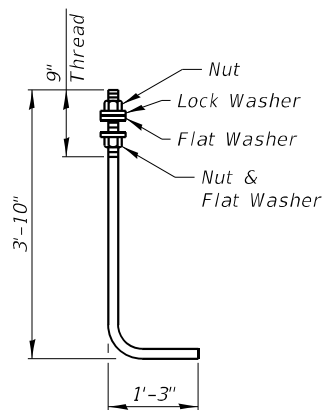
LIGHT POLE PEDESTAL DETAILS



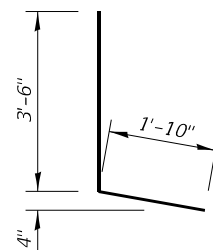
1" Ø ANCHOR ROD

(ASTM F 1554 Grade 105)
Full length hot dipped galvanized.

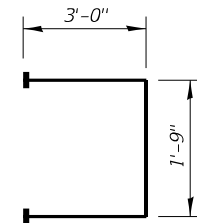
Cost of anchor rods is included with High Performance Concrete Superstructure.



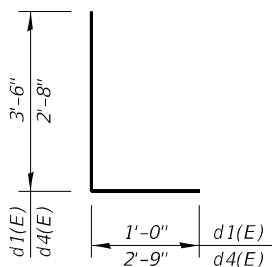
BAR m11(E)
(Headed, 72-#6 Bar terminators)



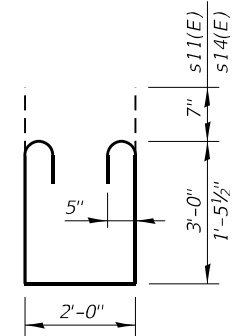
BAR s10(E)
(Headed, 280-#5 Bar terminators)



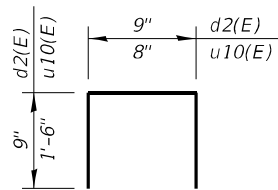
BARS d1(E) & d4(E)



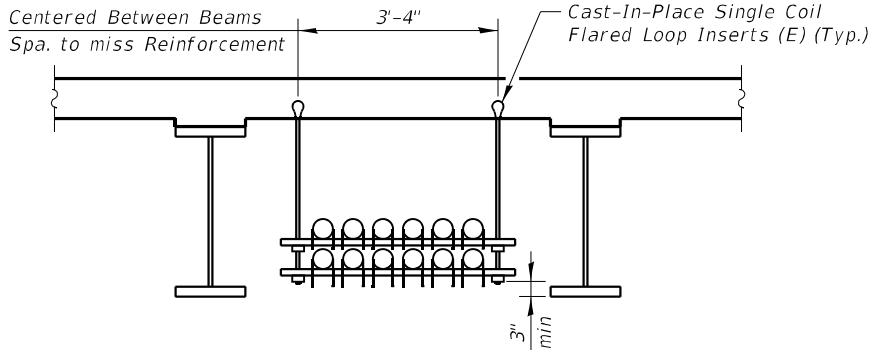
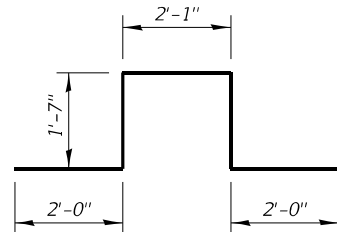
BARS s11(E) & s14(E)



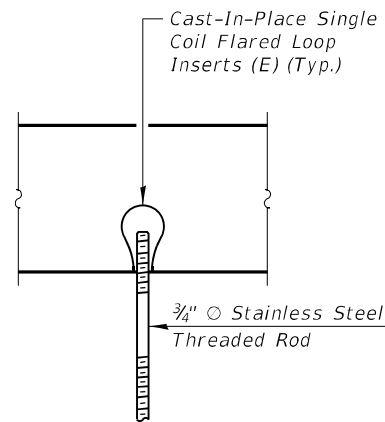
BARS d2(E) & u10(E)



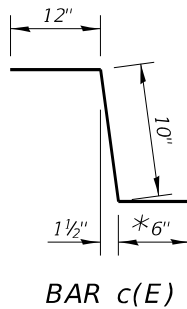
BAR d3(E)



CONDUIT SUPPORT DETAIL



THREADED COIL LOOP INSERTS DETAIL



*In lieu of bottom leg, c(E) bars may be drilled and set according to Article 509.06 of the Standard Specifications. Drilled holes shall be roughened or scored per manufacturer's recommendations. Max. depth of hole shall not exceed 6".

Contractor shall take all necessary precautions to prevent drilled hole interference with deck reinforcement bars. Locate longitudinal bars to miss drilled locations. Locate drilled holes to miss transverse bars in deck.

BILL OF MATERIAL

BAR	NO.	SIZE	LENGTH	SHAPE
a(E)	1050	#5	32'-6"	
a1(E)	362	#5	29'-6"	
a2(E)	362	#5	35'-6"	
b(E)	1001	#5	32'-0"	
b1(E)	372	#8	27'-0"	
b2(E)	720	#5	29'-6"	
c(E)	618	#5	2'-4"	~
c1(E)	618	#5	11'-6"	
d(E)	608	#4	5'-4"	
d1(E)	608	#6	4'-6"	
d2(E)	130	#4	2'-3"	
d3(E)	24	#6	9'-3"	
d4(E)	12	#6	5'-5"	
e(E)	128	#4	19'-2"	
e1(E)	64	#4	15'-2"	
e2(E)	40	#4	17'-8"	
e3(E)	8	#4	13'-8"	
e4(E)	8	#4	13'-10"	
e5(E)	8	#4	15'-9"	
e6(E)	8	#4	16'-8"	
m10(E)	12	#6	32'-0"	
m11(E)	36	#6	5'-9"	
m12(E)	36	#6	5'-9"	
m13(E)	8	#6	32'-3"	
m14(E)	8	#4	32'-0"	
m15(E)	16	#6	2'-5"	
m16(E)	4	#6	32'-3"	
s10(E)	140	#5	7'-9"	
s11(E)	140	#5	9'-2"	
s12(E)	50	#4	3'-1"	
s13(E)	100	#5	4'-2"	
s14(E)	50	#5	6'-1"	
s15(E)	50	#5	2'-6"	
u10(E)	120	#4	3'-8"	
Reinforcement Bars, Epoxy Coated			Pound	167,170
High Performance Concrete Superstructure			Cu. Yd.	822.0
Bridge Deck Grooving			Sq. Yd.	1232
Protective Coat			Sq. Yd.	2322

Notes:

Bar terminators, paid for separately.
See Total Bill of Material on Sheet S-02.



USER NAME =	idot	DESIGNED -	TB	REVISED -	
CHECKED -	PRD	REVIS			
PLOT SCALE =	NONE	DRAWN -	TB	REVISED -	
PLOT DATE =	10/16/2025	CHECKED -	PRD	REVISED -	

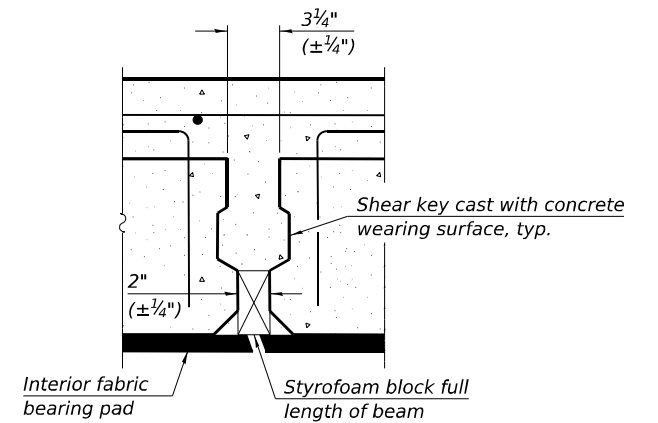
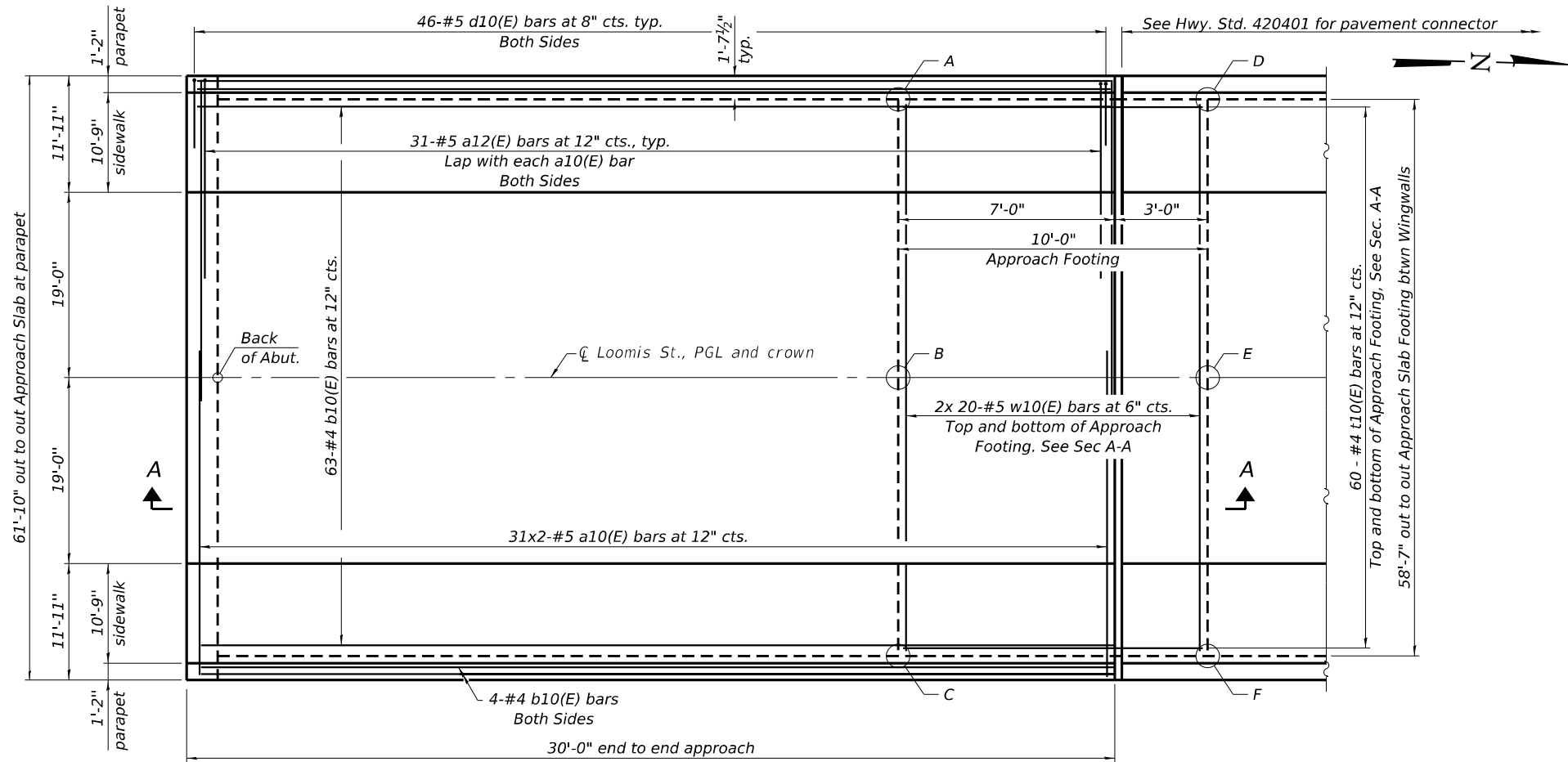
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DECK MISCELLANEOUS DETAILS
STRUCTURE NO. 016-2114

SHEET S-17 OF 38 SHEETS

FA.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	FAI 290 22 BRIDGE 3	COOK	161	109
CONTRACT NO. 62U12				
ILLINOIS FED. AID PROJECT				

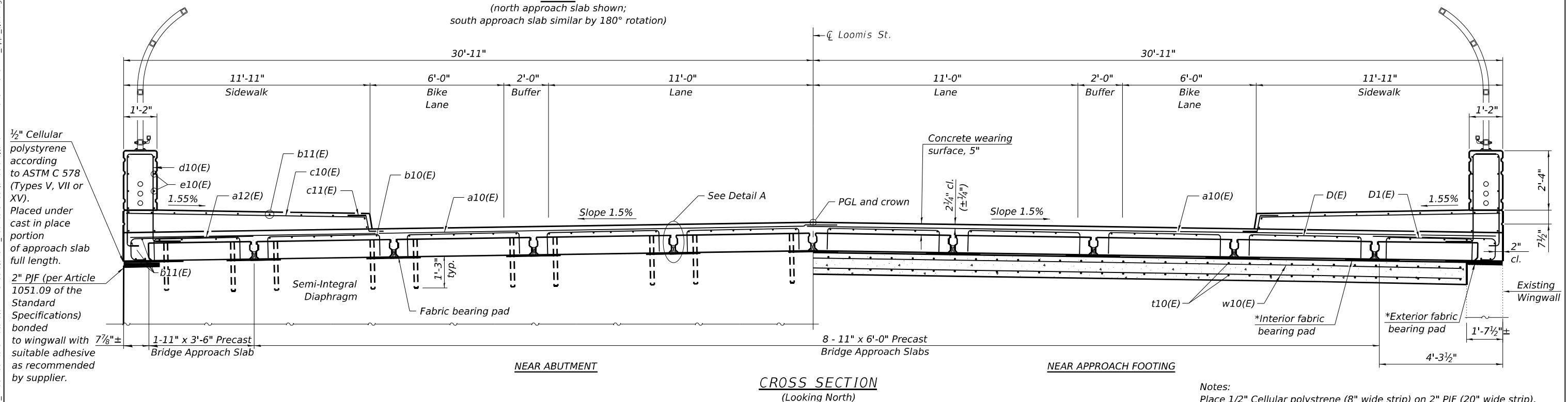
MODEL: Default
FILE NAME: W:\191-178_IDOT_205009_1290 Loomis & Racine\CADD Sheets\62U12_Loomis Street\Structural\0162114-D162U12-518-PDP_appr_slab1.dgn



TOP AND BOTTOM ELEVATIONS
FOR APPROACH FOOTING

South Approach			North Approach		
Point/Location	Top	Bottom	Point/Location	Top	Bottom
A -	593.24	592.41	A -	593.37	592.54
B -	593.53	592.69	B -	593.65	592.82
C -	593.24	592.41	C -	593.37	592.54
D -	592.84	592.01	D -	592.97	592.14
E -	593.13	592.29	E -	593.25	592.42
F -	592.84	592.01	F -	592.97	592.14

* Fabric bearing pads at the expansion end shall be recessed 1/4" into the approach footing and bonded. Adjusting shims, when required, shall be bonded to the top of the fabric bearing pads.



MINIMUM BAR LAP

#4 bar = 1'-7"
#5 bar = 2'-0"

Notes:
Place 1/2" Cellular polystyrene (8" wide strip) on 2" P/F (20" wide strip).
Adhere 2" P/F to existing concrete wingwall.
See Sheet S-20 for Section A-A

(Sheet 1 of 4)



USER NAME =	idot	DESIGNED -	TB	REVISED -	
CHECKED -	PRD	REVIS		REVISED -	
PLOT SCALE =	NONE	DRAWN -	TB	REVISED -	
PLOT DATE =	10/16/2025	CHECKED -	PRD	REVISED -	

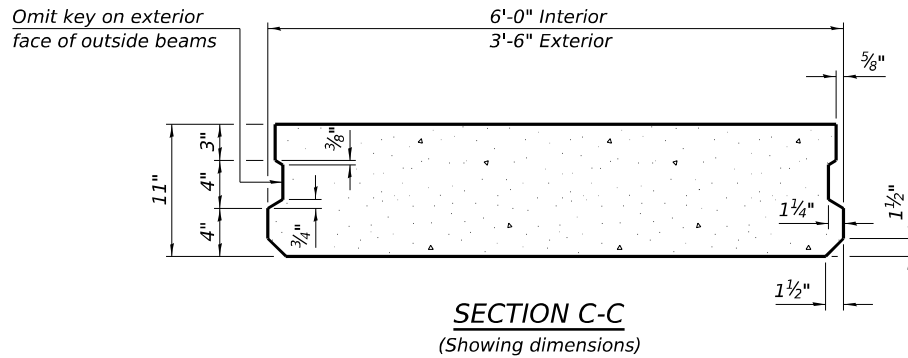
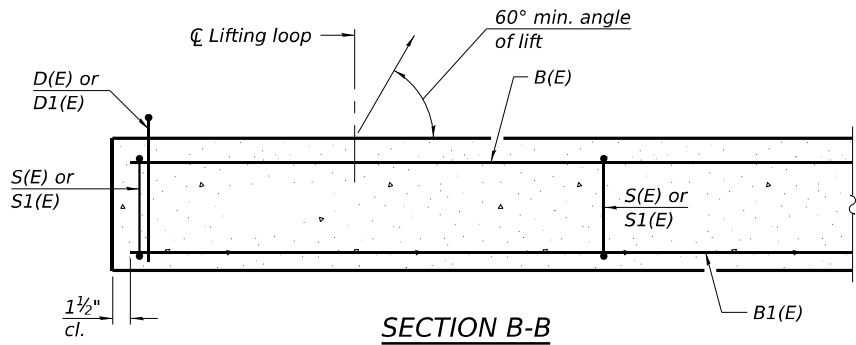
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PARTIAL DEPTH PRECAST BRIDGE APPROACH SLAB
STRUCTURE NO. 016-2114

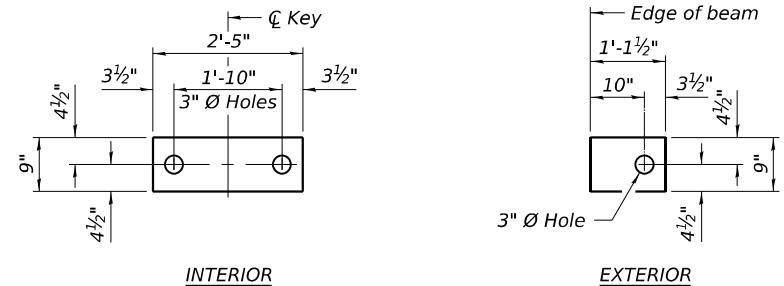
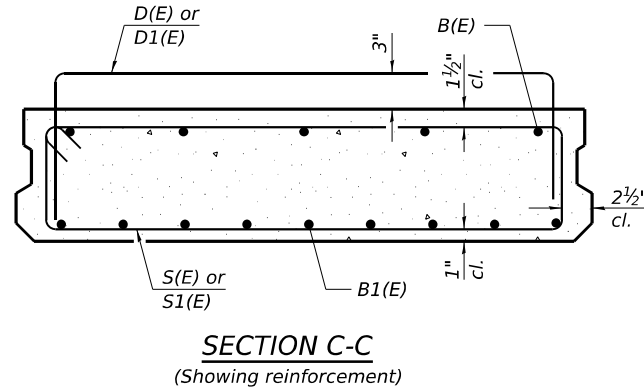
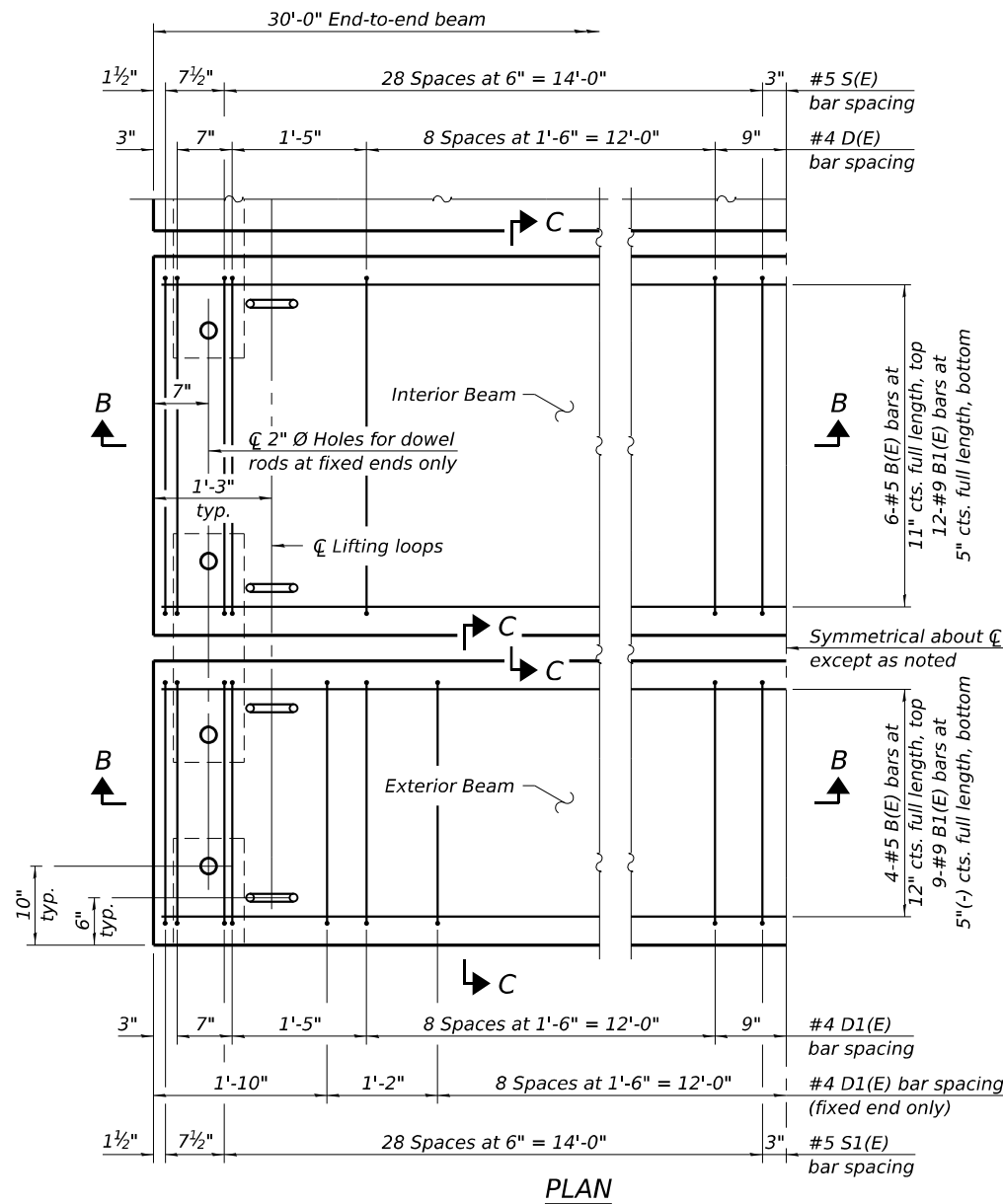
SHEET S-18 OF 38 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	FAI 290 22 BRIDGE 3	COOK	161	110
CONTRACT NO. 62U12				
ILLINOIS FED. AID PROJECT				

MODEL: Default
FILE NAME: W:\191-178_IDOT_205009_1290 Loomis & Racine\CADD Sheets\62U12_Loomis Street\Structural\0162114-D162U12-519-PDP_appr_slab2.dgn

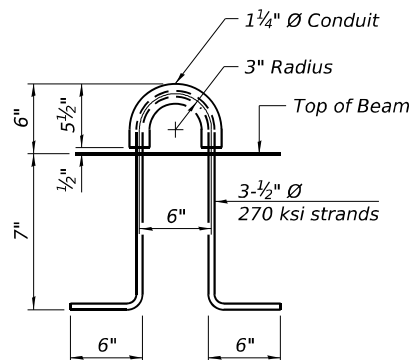
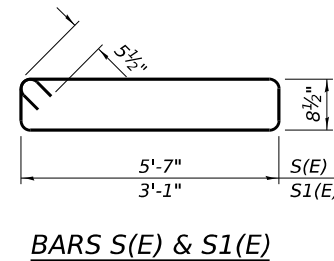
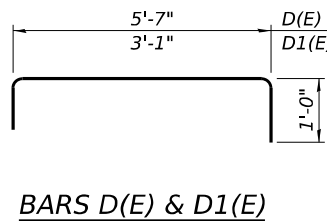


Notes:
The precast bridge approach slab shall be according to Section 504 of the Standard Specifications and shall be paid for at the contract unit price per square foot for Precast Bridge Approach Slab.
Cast-in-place substitution of Precast Bridge Approach Slab is not allowed.
The top surface of precast bridge approach slabs shall be finished similar to precast prestressed deck beams with concrete wearing surface as specified in the IDOT "Manual for Fabrication of Precast Prestressed Concrete Products."
Two 1/8" fabric adjusting shims of the dimensions of the exterior bearing pad shall be provided for each bearing pad location. Cost included with Precast Bridge Approach Slab.
A minimum 2 1/2" Ø lifting pins shall be used to engage the lifting loops during handling.
Compressive strength of precast concrete, f 'c shall be 6,000 psi.
Compressive strength of precast concrete during initial lifting, f 'ci shall be 5,000 psi.



FABRIC BEARING PAD

Notes:
Bearing pads at fixed end shall be 1/2" thick and bearing pads at expansion end shall be 3/4" thick.
Omit holes for fabric bearing pads at approach slab footing end of beams.



BAR LIST EACH INTERIOR BEAM (For information only)

Bar	No.	Size	Length	Shape
B(E)	6	#5	29'-8"	—
B1(E)	12	#9	29'-8"	—
D(E)	22	#4	7'-7"	┐
S(E)	60	#5	13'-6"	▬

BAR LIST EACH EXTERIOR BEAM (For information only)

Bar	No.	Size	Length	Shape
B(E)	4	#5	29'-8"	—
B1(E)	9	#9	29'-8"	—
D1(E)	32	#4	4'-1"	┐
S1(E)	60	#5	8'-6"	▬

(An alternate lifting loop with a Safe Working Load of 6,250 lbs. (25,000 lbs. Proof Load / Factor of Safety of 4) and utilized according to the manufacturer's recommendations may be used.)

(Beams: 36" min. width; 72" max. width)

(Sheet 2 of 4)



USER NAME =	idot	DESIGNED -	TB	REVISED -	
CHECKED -	PRD	REVISED -			
PLOT SCALE =	NONE	DRAWN -	TB	REVISED -	
PLOT DATE =	10/16/2025	CHECKED -	PRD	REVISED -	

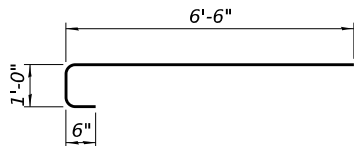
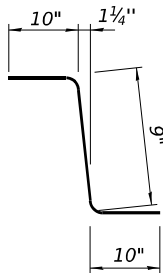
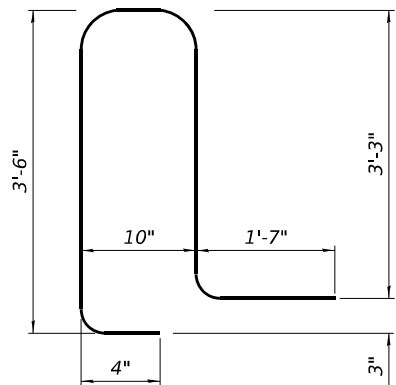
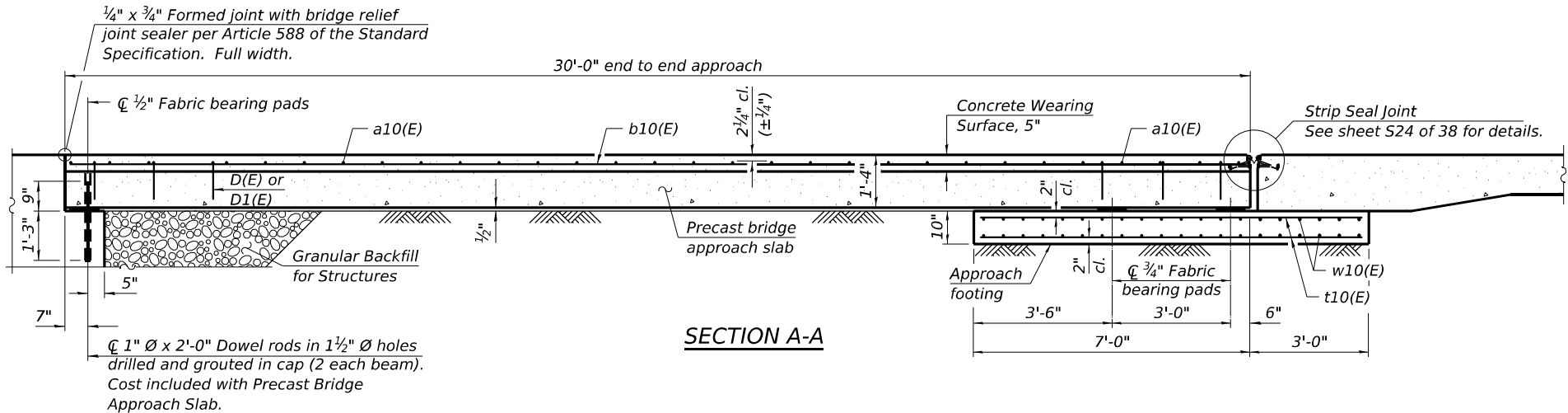
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PARTIAL DEPTH PRECAST BRIDGE APPROACH SLAB
STRUCTURE NO. 016-2114

SHEET S-19 OF 38 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	FAI 290 22 BRIDGE 3	COOK	161	111
CONTRACT NO. 62U12				
ILLINOIS FED. AID PROJECT				

MODEL: Default
FILE NAME: W:\191-178_IDOT_205009_1290_Loomis & Racine\CADD_Sheets\62U12_Loomis Street\Structural\0162114-D162U12-S20-PDP_appr_slab3.dgn



TWO APPROACHES
BILL OF MATERIALS

BAR	NO.	SIZE	LENGTH	SHAPE
a10(E)	124	#5	31'-9"	
a12(E)	124	#5	8'-0"	
b10(E)	142	#4	29'-6"	
b11(E)	64	#5	29'-8"	
c10(E)	124	#5	11'-7"	
c11(E)	124	#5	2'-5"	
d10(E)	184	#5	9'-6"	
e10(E)	64	#4	14'-8"	
t10(E)	240	#4	9'-8"	
w10(E)	160	#5	29'-10"	
High Performance Concrete Superstructure			Cu. Yd.	51.9
Concrete Structures			Cu. Yd.	37.0
Reinforcement Bars, Epoxy Coated			Pound	20,710
Precast Bridge Approach Slab			Sq. Ft.	3,660
Concrete Wearing Surface, 5"			Sq. Yd.	413
Bridge Deck Grooving			Sq. Yd.	240
Protective Coat			Sq. Yd.	454

(Sheet 3 of 4)



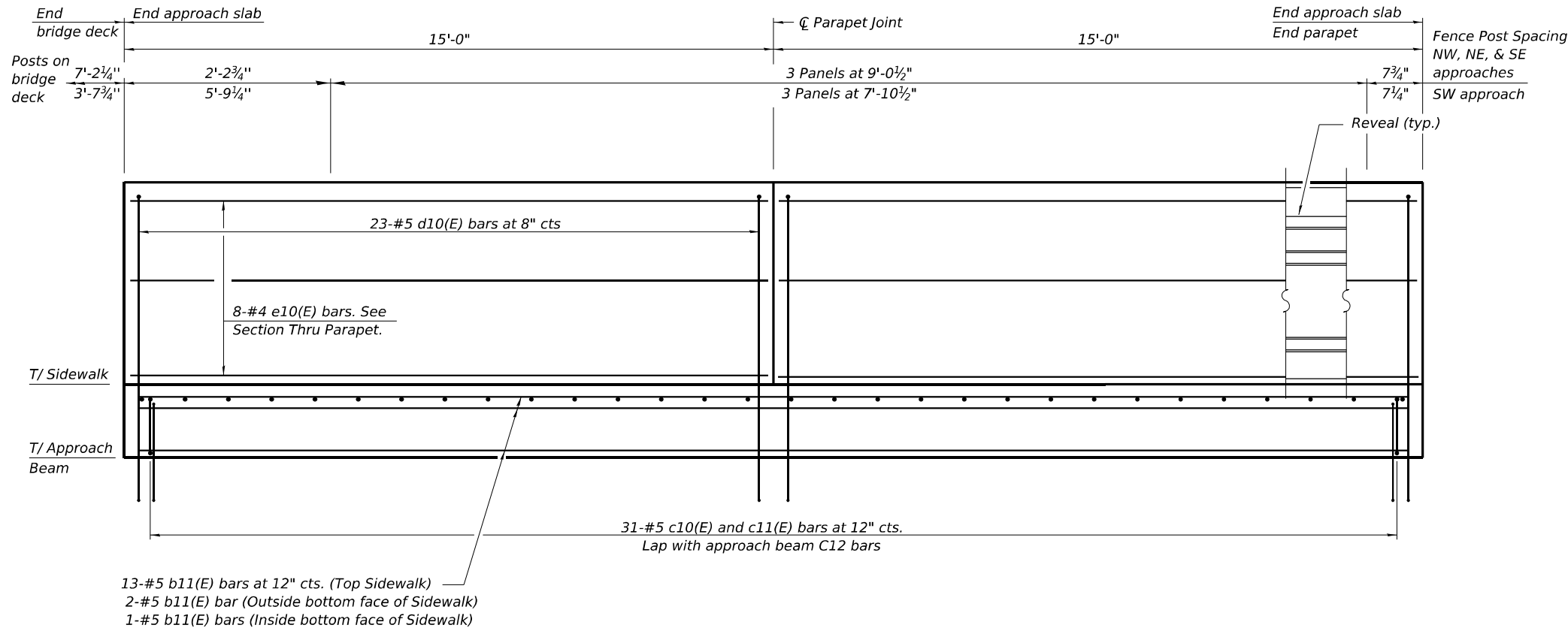
USER NAME =	idot	DESIGNED -	TB	REVISED -	
		CHECKED -	PRD	REVISED -	
PLOT SCALE =	NONE	DRAWN -	TB	REVISED -	
PLOT DATE =	10/16/2025	CHECKED -	PRD	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

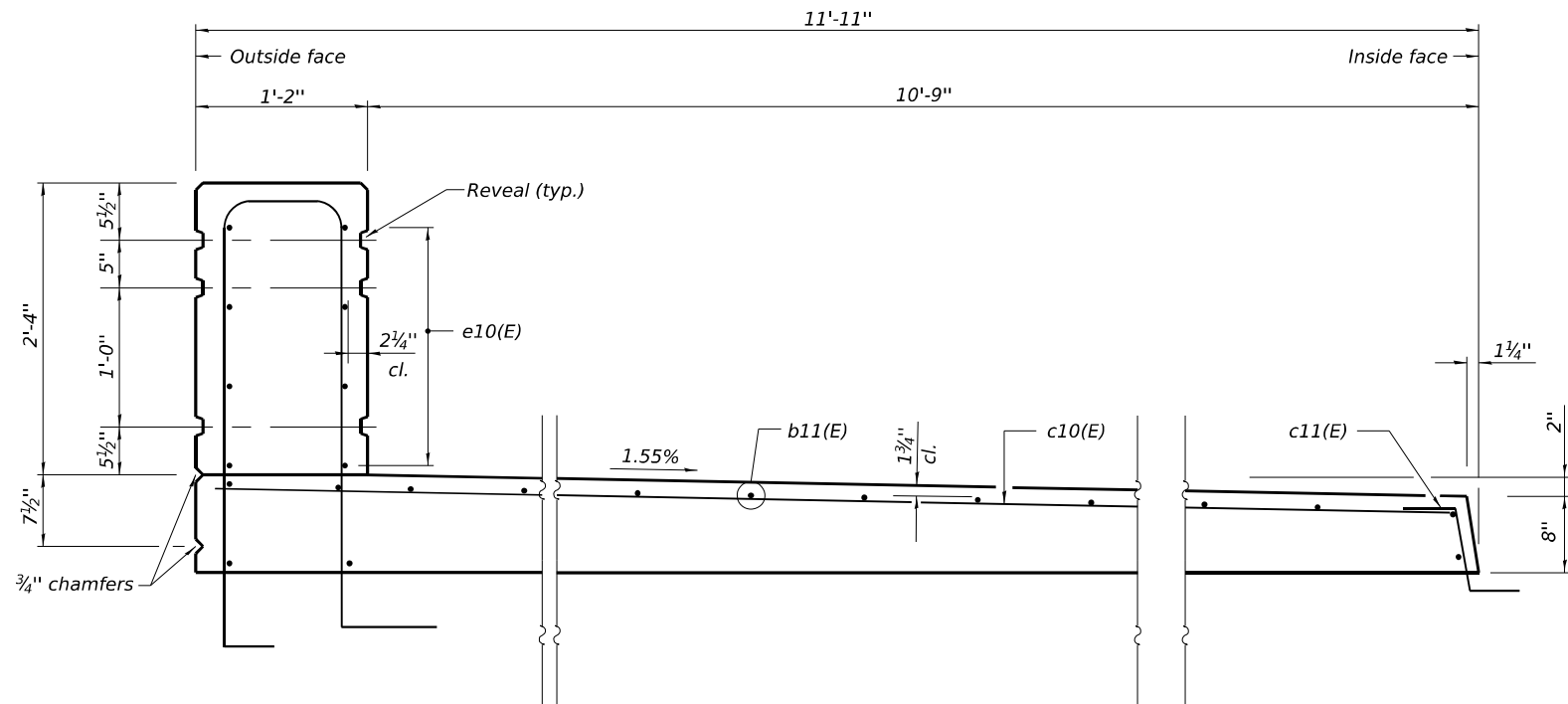
PARTIAL DEPTH PRECAST BRIDGE APPROACH SLAB
STRUCTURE NO. 016-2114

SHEET S-20 OF 38 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	FAI 290 22 BRIDGE 3	COOK	161	112
CONTRACT NO. 62U12				
ILLINOIS		FED. AID PROJECT		



INSIDE ELEVATION OF PARAPET
SECTION C-C



SECTION THRU SIDEWALK AND PARAPET

(Sheet 4 of 4)



USER NAME	=	idot	DESIGNED	-	TB	REVISED	-
			CHECKED	-	PRD	REVISED	-
PLOT SCALE	=	NONE	DRAWN	-	TB	REVISED	-
PLOT DATE	=	10/16/2025	CHECKED	-	PRD	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

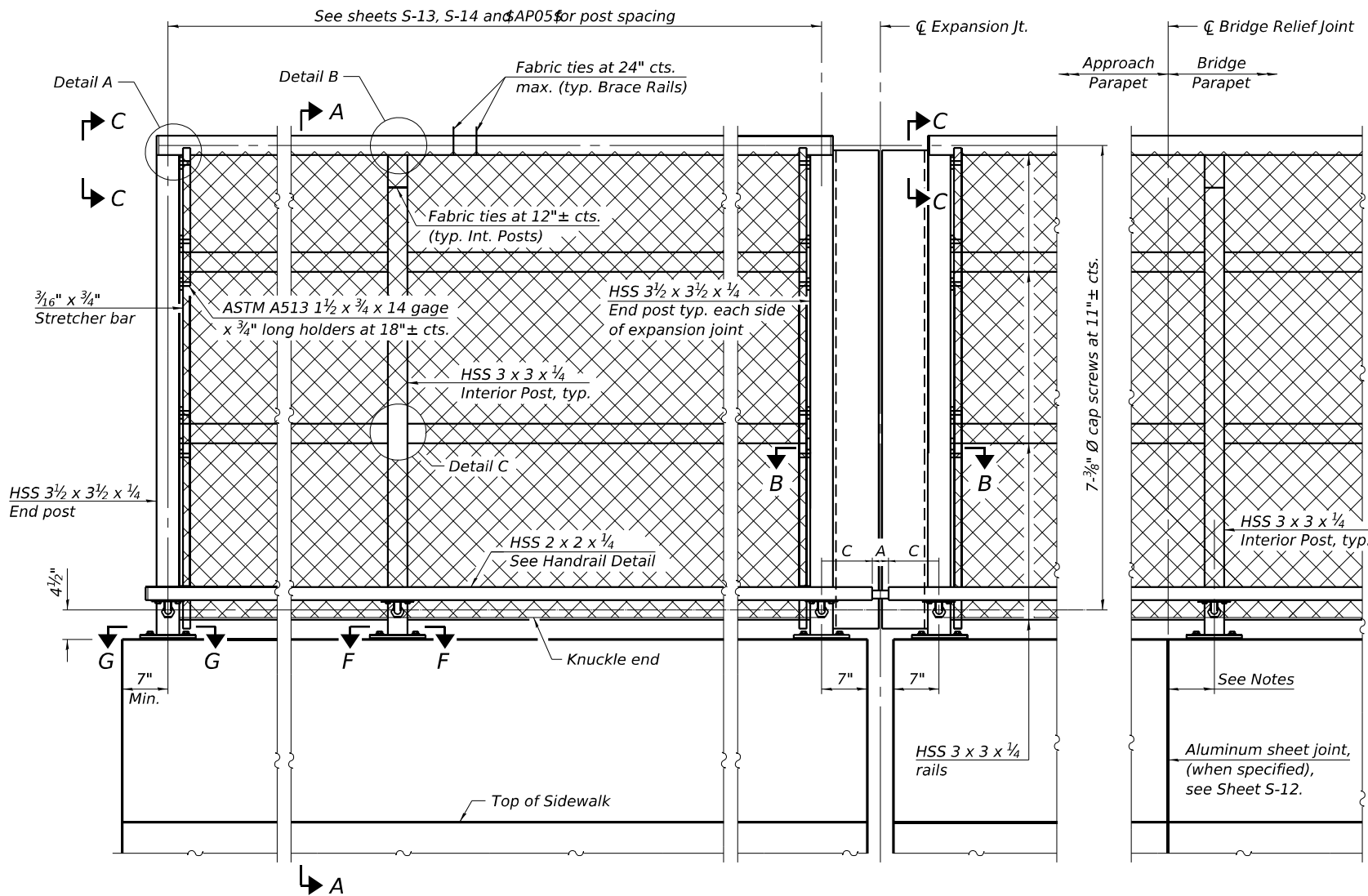
PARTIAL DEPTH PRECAST BRIDGE APPROACH SLAB
STRUCTURE NO. 016-2114

SHEET S-21 OF 38 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	FAI 290 22 BRIDGE 3	COOK	161	113
CONTRACT NO. 62U12				
ILLINOIS FED. AID PROJECT				

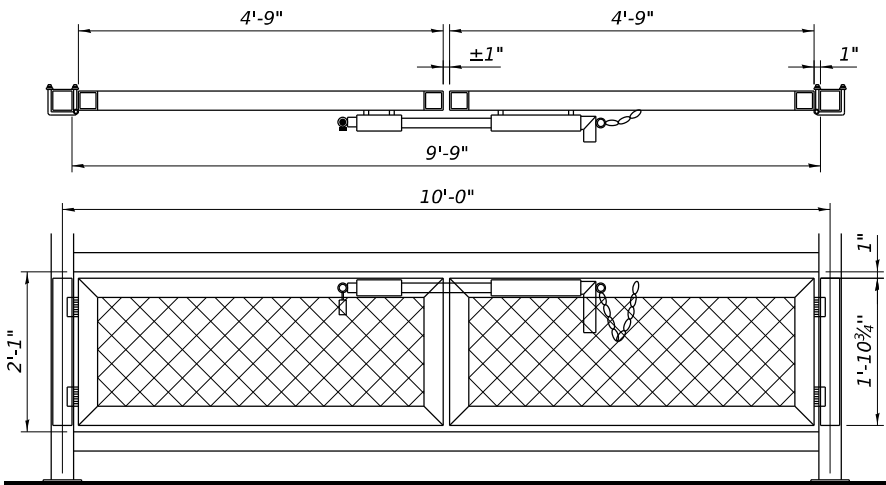
MODEL: Default
FILE NAME: W:\191-178_IDOT_205009_1-290 Loomis & Racine\CADD Sheets\62U12_Loomis Street\Structural\0162114-D162U12-S21-PDP_appr_slab4.dgn
10/16/2025 5:20:45 PM

MODEL: Default
FILE NAME: W:\191-178_IDOT_205009_1290_Loomis & Racine\CADD_Sheets\62U12_Loomis Street\Structural\0162114-D-162U12-522-BridgeFenceRail_Curve1.dgn



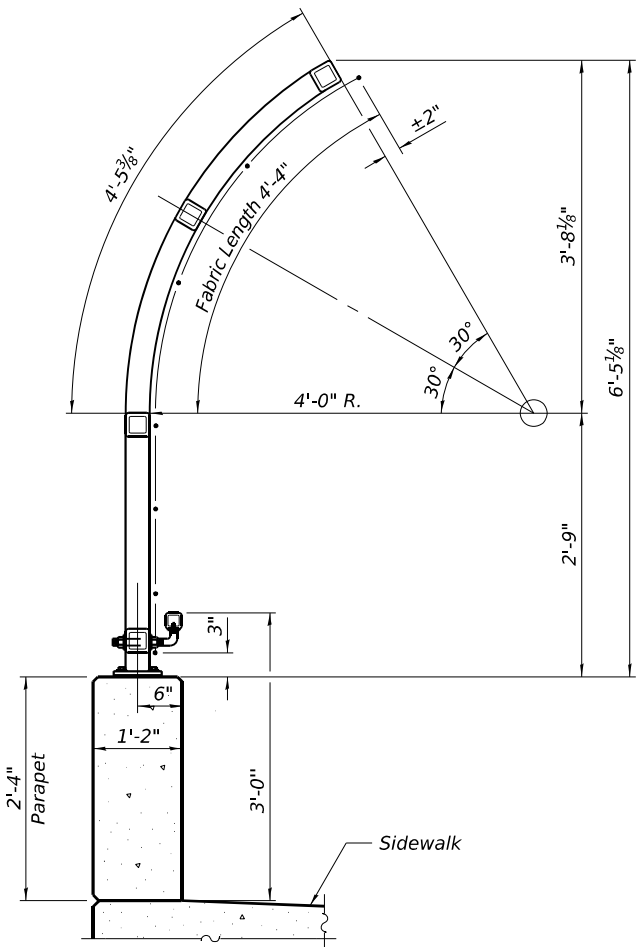
ELEVATION BRIDGE FENCE RAILING, CURVED
(Inside face)

(e.g. at Bridge Relief Joints)

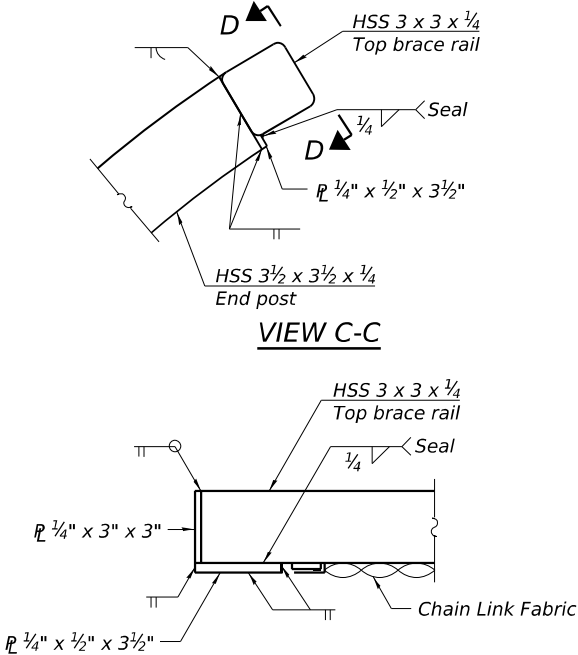


CAMERA ACCESS DETAILS
(4 locations)

(The exact location and number of ISP camera fence access details to be provided by Illinois State Police)

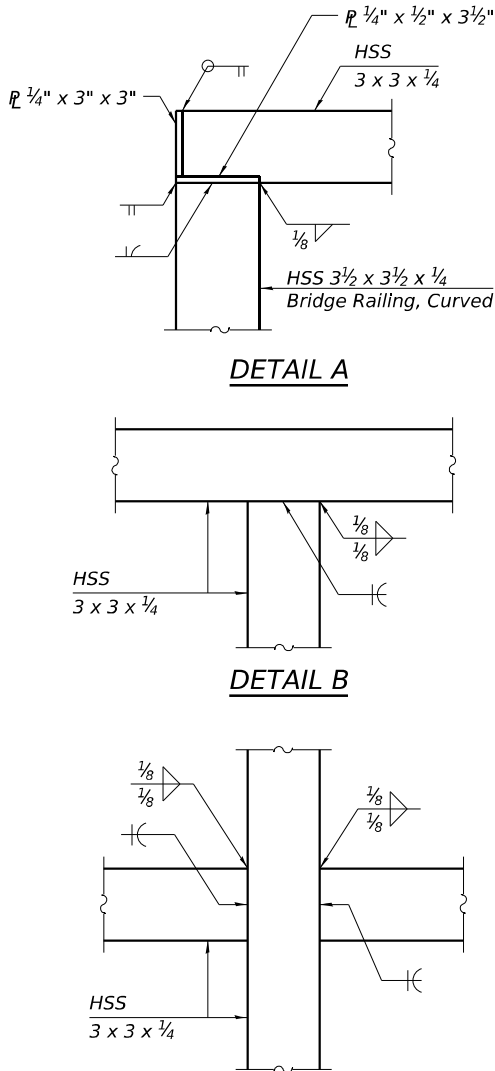


SECTION A-A



VIEW C-C

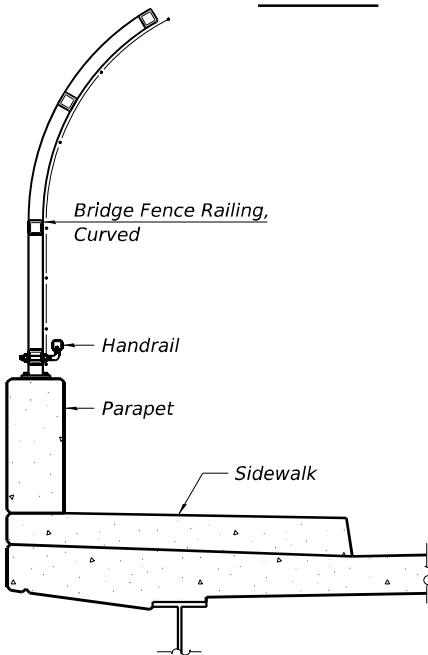
VIEW D-D



DETAIL A

DETAIL B

DETAIL C



SECTION THRU DECK

(Sheet 1 of 2)

RAILING CRITERIA

NCHRP 350 Test Level	4
Railing Weight (plf)	70
Max Post Spacing	10'-0"



USER NAME	=	ldot
PLOT SCALE	=	NONE
PLOT DATE	=	10/16/2025

DESIGNED	-	TB
CHECKED	-	PRD
DRAWN	-	TB
CHECKED	-	PRD

REVISED	-
REVISED	-
REVISED	-
REVISED	-

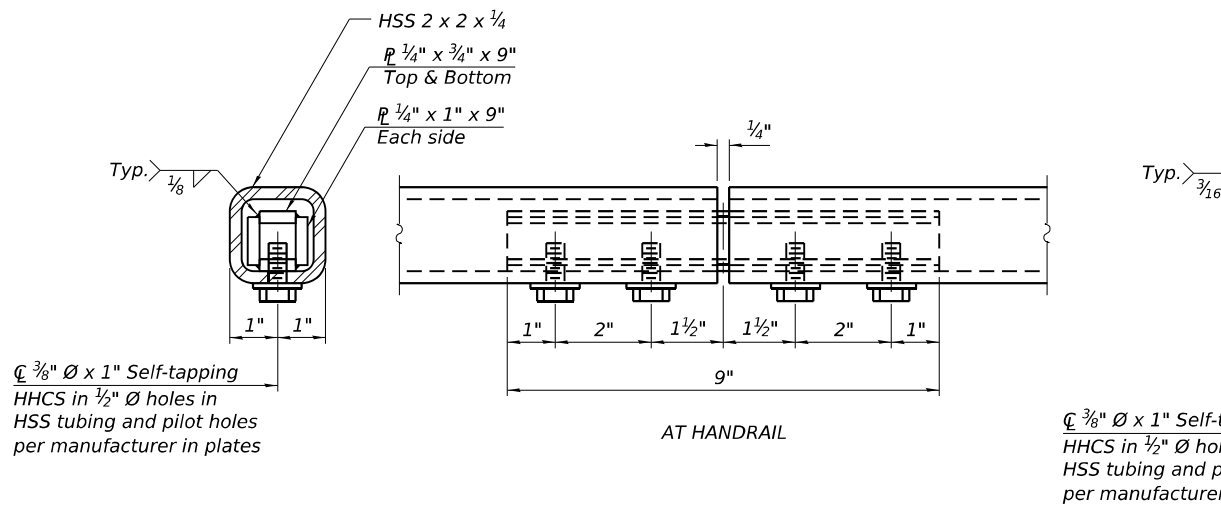
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**BRIDGE FENCE RAILING, CURVED
STRUCTURE NO. 016-2114**

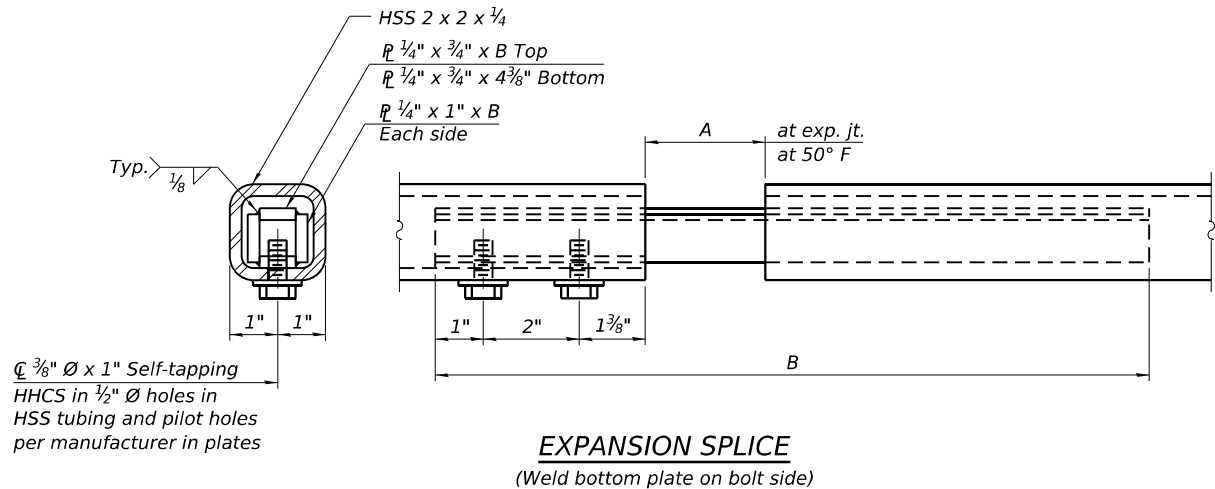
SHEET S-22 OF 38 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	FAI 290 22 BRIDGE 3	COOK	161	114
CONTRACT NO. 62U12				
ILLINOIS FED. AID PROJECT				

MODEL: Default
FILE NAME: W:\191-178_IDOT_205009_1290_Loomis & Racine\CADD_Sheets\62U12_Loomis Street\Structural\0162114-D162U12-523-BridgeFenceRail_Curve2.dgn

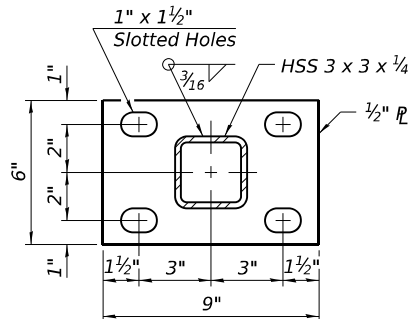


MATERIAL SPLICE

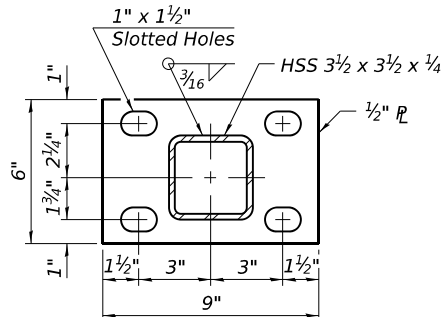


EXPANSION SPLICE

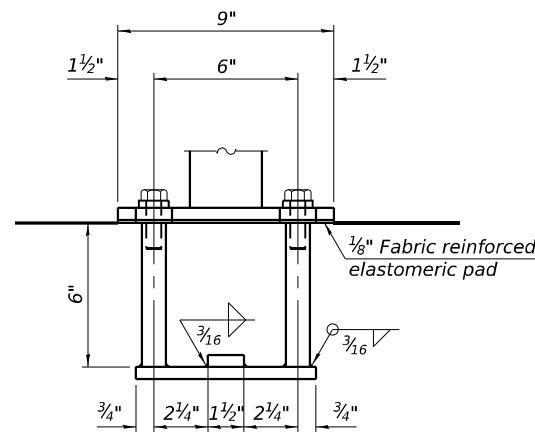
(Weld bottom plate on bolt side)



SECTION F-F

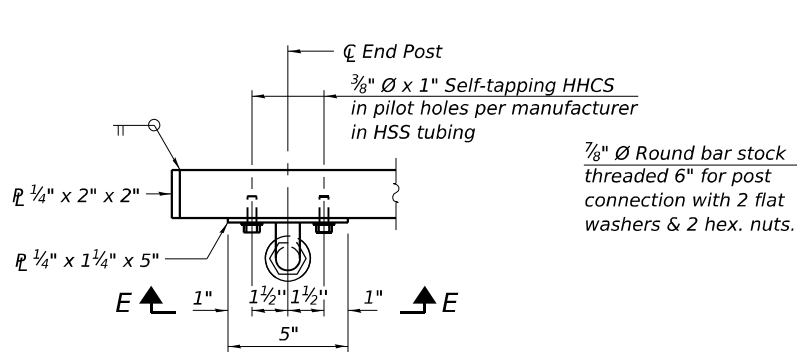
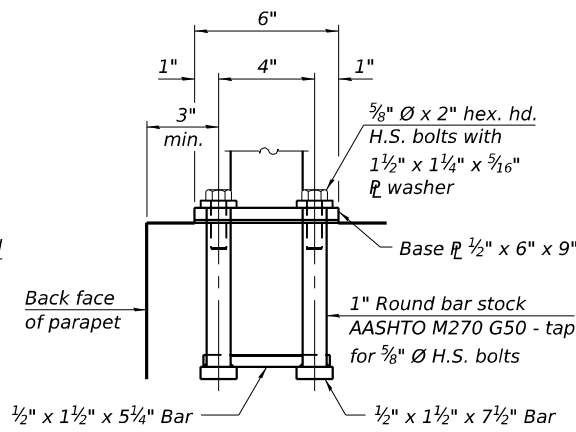


SECTION G-G



ANCHORAGE ASSEMBLY

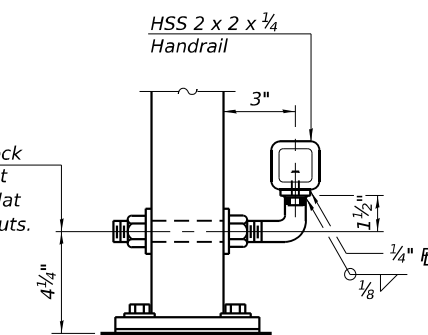
The Bridge Fence Railing, Curved fasteners for end posts near expansion joints may need to be installed prior to installing the bent plates. In lieu of the cast-in-place anchor device shown, the Contractor has the option of drilling and setting 5/8 inch diameter fully threaded anchor rods with the same plate washers as specified above and heavy hex lock nuts according to Article 509.06 of the Standard Specifications. Embedment shall be according to the manufacturer's specifications.



HANDRAIL DETAIL

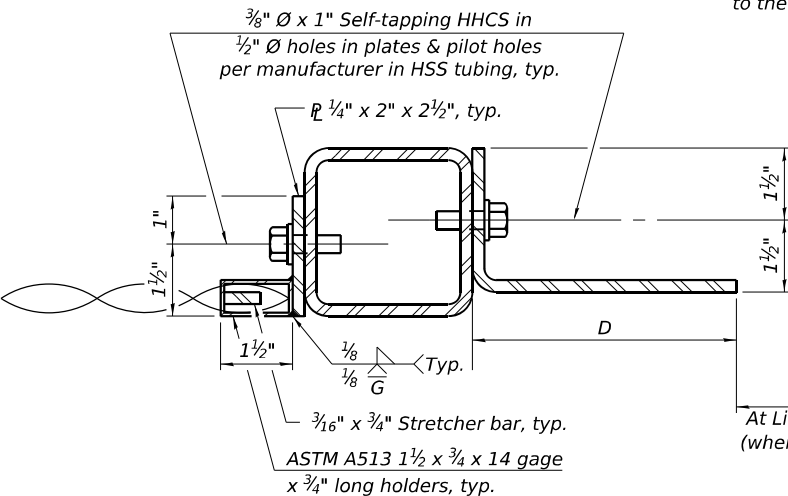
Location	T	A	B	C	D
Over Strip Seal Jt.	≤4"	2 1/2"	1'-5 7/8"	6 1/4"	3 3/4"
Over Finger or Modular Jt.	≤9 1/2"	5 1/2"	1'-11 1/8"	9 3/4"	6"
Over Finger or Modular Jt.	≤15"	8 1/4"	2'-5 1/8"	13 7/8"	8 3/4"
At Light Poles	8"	NA	NA	11 1/4"	10"
At Bridge Relief Joints	NA - Material Splices Per Fabricator				

T = ; total movement based on total temperature range from -20°F to 120°F along centerline of roadway at expansion joint.
OR
8" hand-hole access for maintenance of light poles (when present; replace splice with 8" gap)

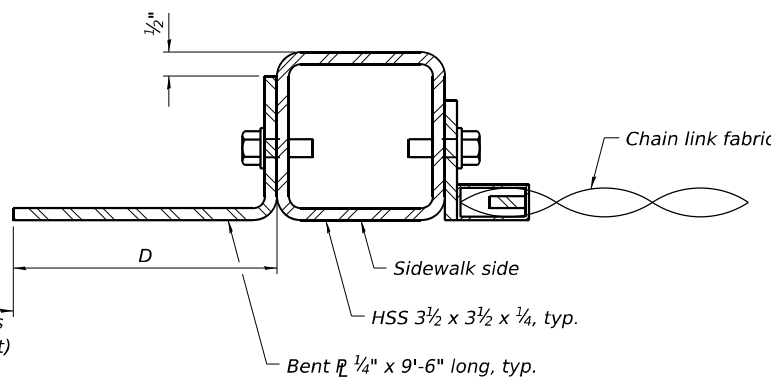


VIEW E-E

(Handrail)



SECTION B-B



BILL OF MATERIAL

Item	Unit	Quantity
Bridge Fence Railing, Curved	Foot	705

(Sheet 2 of 2)



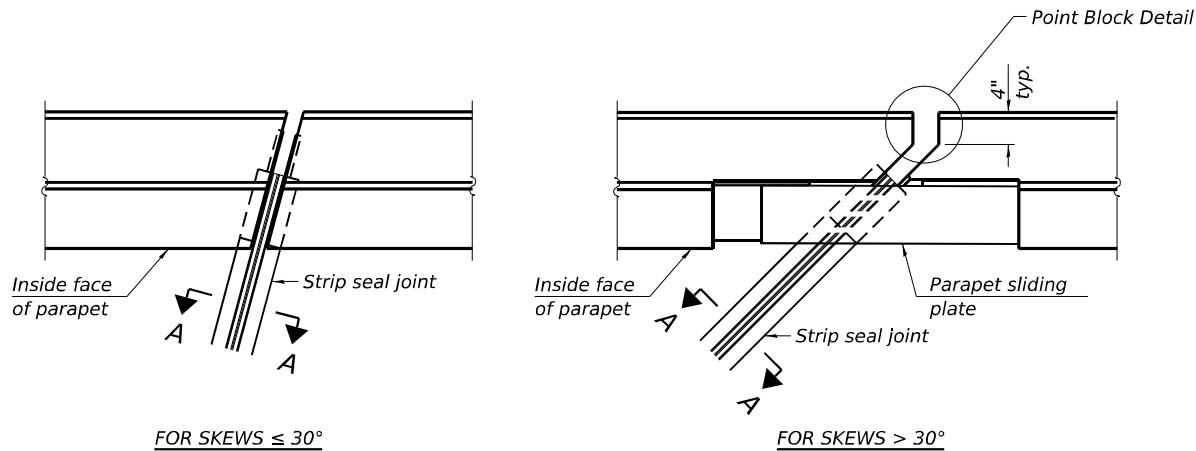
USER NAME =	idot	DESIGNED -	TB	REVISED -	
CHECKED -	PRD	REVISOR -		REVISOR -	
PLOT SCALE =	NONE	DRAWN -	TB	REVISOR -	
PLOT DATE =	10/16/2025	CHECKED -	PRD	REVISOR -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

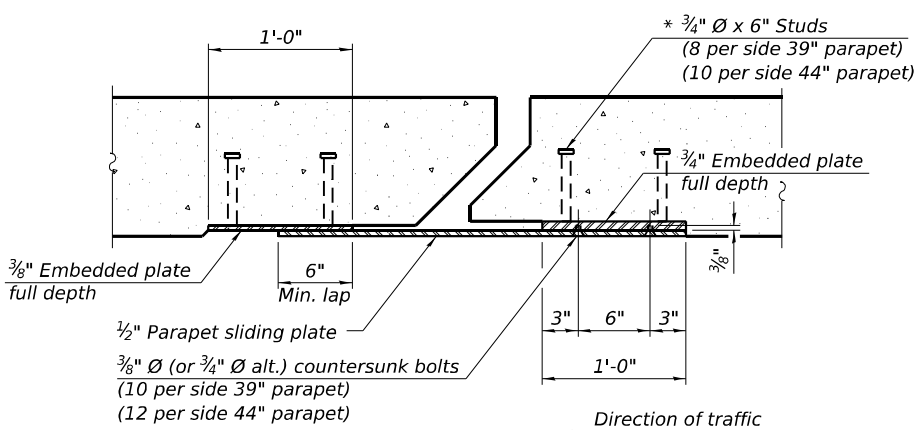
BRIDGE FENCE RAILING, CURVED
STRUCTURE NO. 016-2114

SHEET S-23 OF 38 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	FAI 290 22 BRIDGE 3	COOK	161	115
CONTRACT NO. 62U12				
ILLINOIS FED. AID PROJECT				

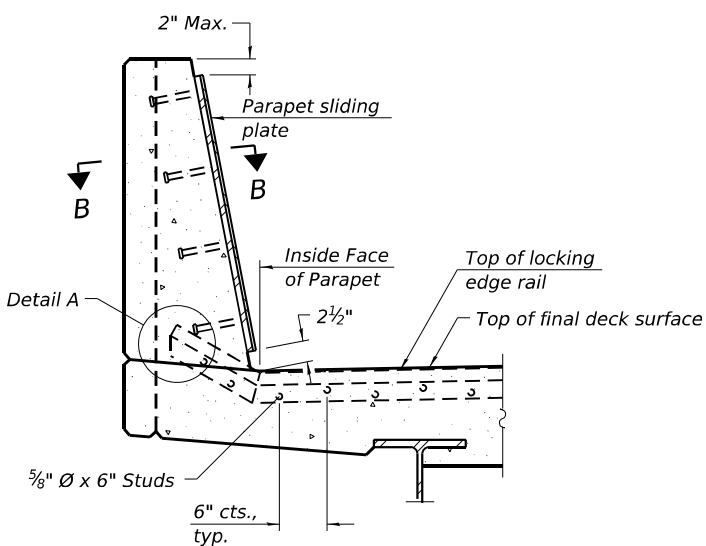


PLAN AT PARAPET



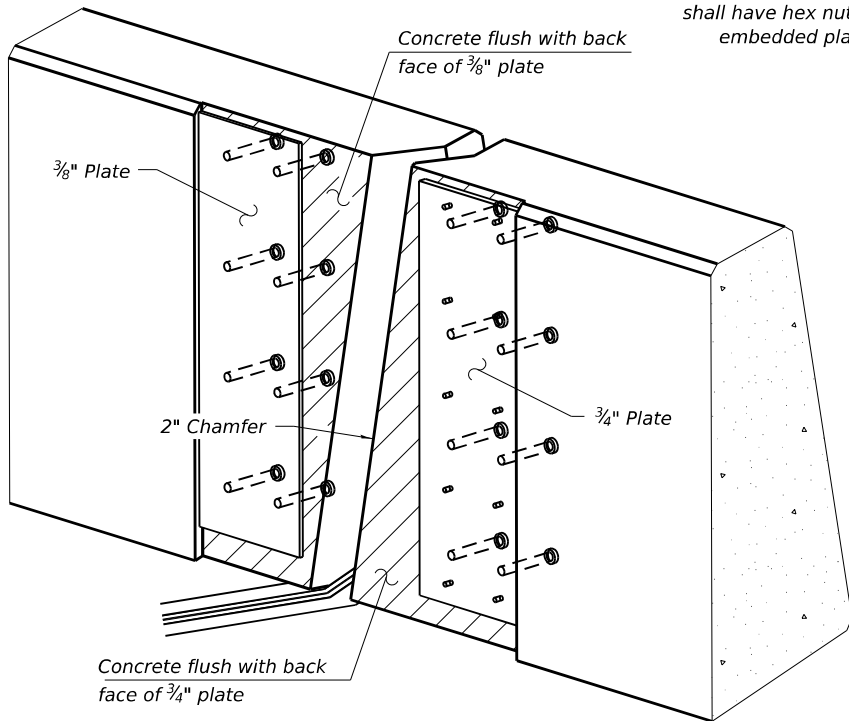
SECTION B-B

(3/4" Ø countersunk bolts extending into concrete shall have hex nuts tack welded to the back of the embedded plates with end caps provided.)



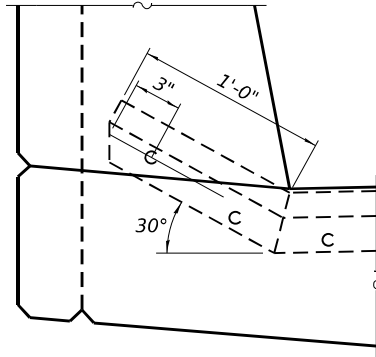
SECTION AT PARAPET

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



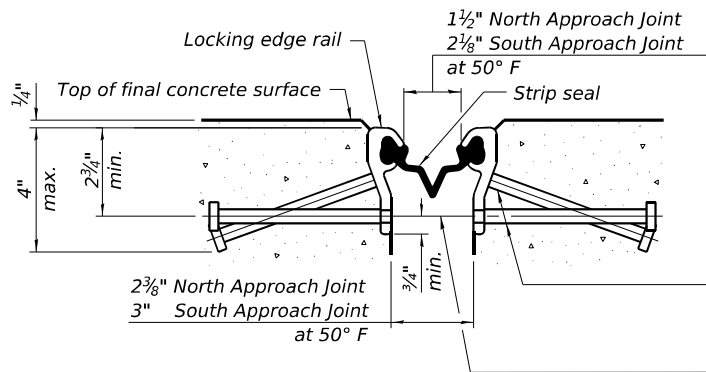
TRIMETRIC VIEW

(Showing embedded plates only)

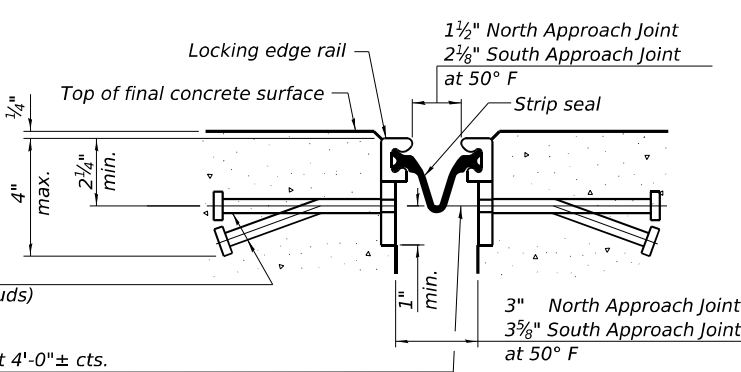


DETAIL A

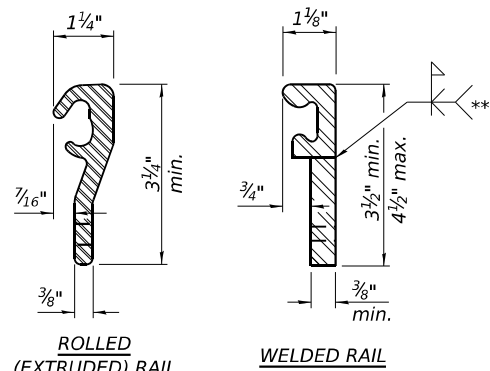
(Kick-up at parapet locations shown. See sheet of for kick-up at curb locations.)



SHOWING ROLLED RAIL JOINT

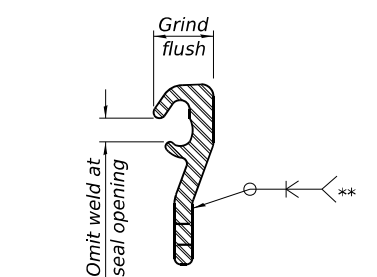


SHOWING WELDED RAIL JOINT



LOCKING EDGE RAILS

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



LOCKING EDGE RAIL SPLICE

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

BILL OF MATERIAL

Item	Unit	Total
Preformed Joint Strip Seal	Foot	124

(Sheet 1 of 3)

MODEL: Default
FILE NAME: W:\191-178_IDOT_205009_1290 Loomis & Racine\CADD Sheets\62U12_Loomis Street\Structural\0162114-D-162U12-524-Joint_Strip_Seal.dgn
10/16/2025 5:20:48 PM



USER NAME =	idot	DESIGNED -	TB	REVISED -	
CHECKED -	PRD	REVISOR -		REVISOR -	
PLOT SCALE =	NONE	DRAWN -	TB	REVISOR -	
PLOT DATE =	10/16/2025	CHECKED -	PRD	REVISOR -	

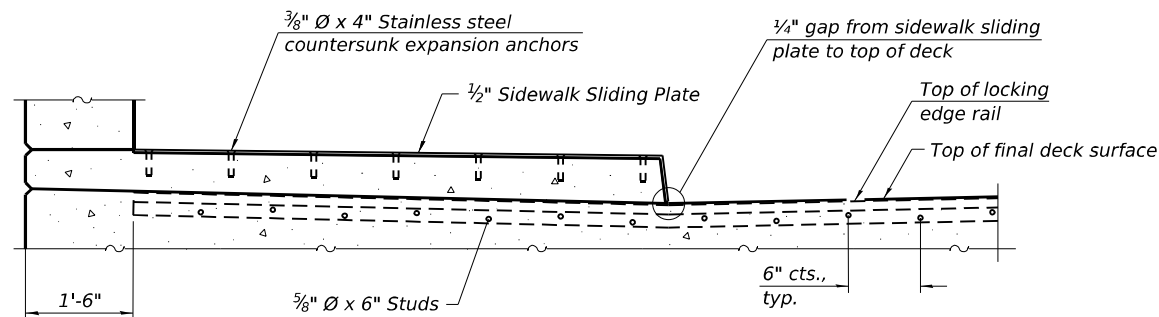
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PREFORMED JOINT STRIP SEAL - SIDEWALK
STRUCTURE NO. 016-2114

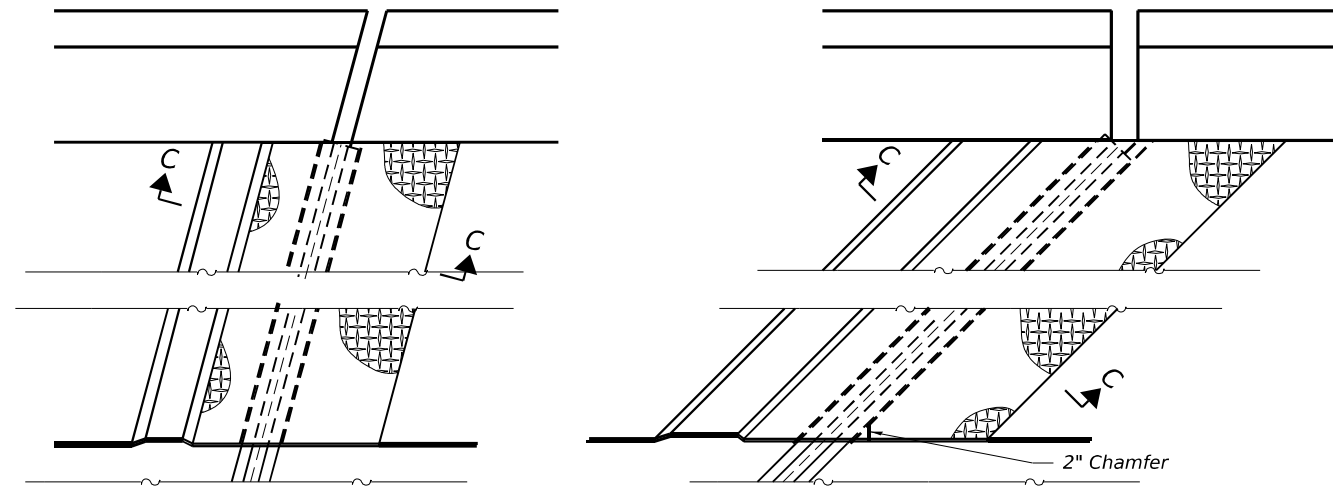
SHEET S-24 OF 38 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	FAI 290 22 BRIDGE 3	COOK	161	116
CONTRACT NO. 62U12				
ILLINOIS FED. AID PROJECT				

MODEL: Default
FILE NAME: W:\191-178_IDOT_205009_1290_Loomis & Racine\CADD_Sheets\62U12_Loomis Street\Structural\0162114-D-162U12-525-Joint_Strip_Seal2.dgn



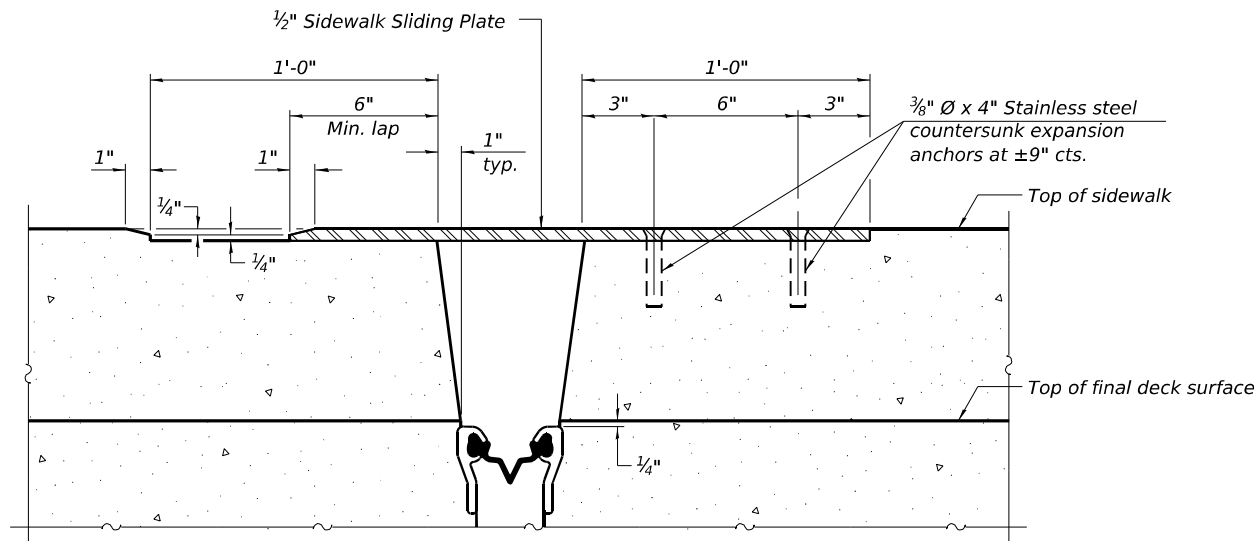
SECTION AT RAISED SIDEWALK



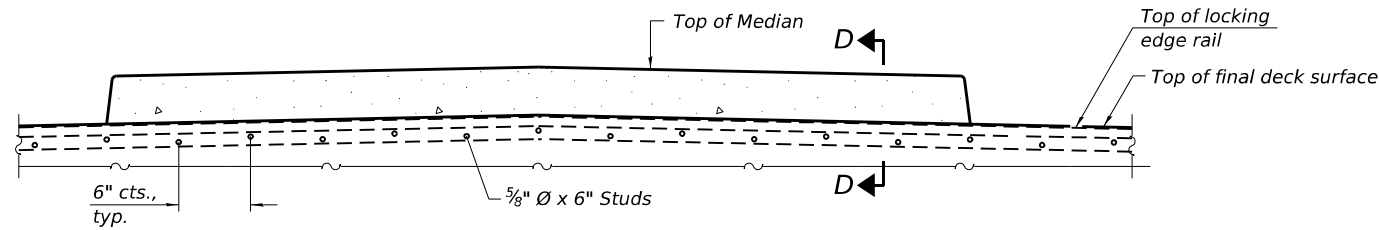
(FOR SKEWS $\leq 30^\circ$)

(FOR SKEWS $> 30^\circ$)

PLAN AT RAISED SIDEWALK

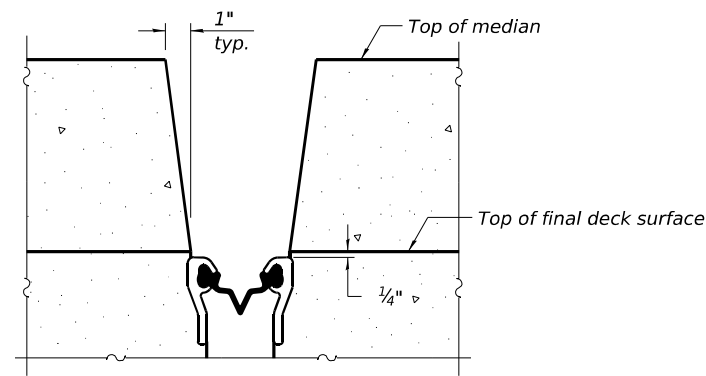


SECTION C-C



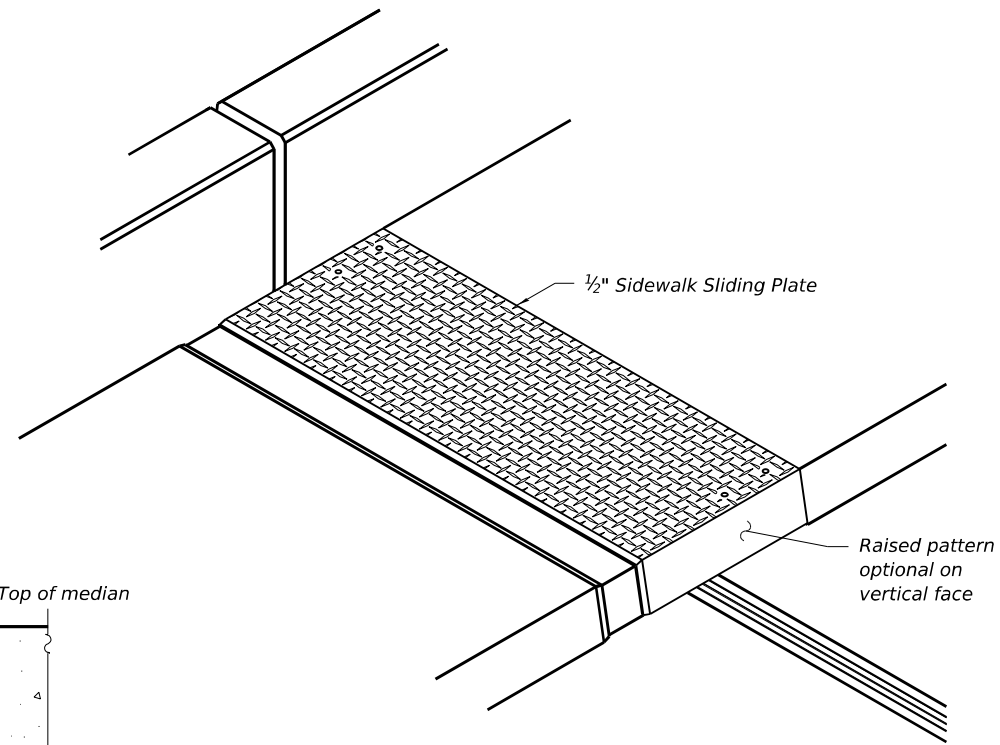
SECTION AT MEDIAN

For skews $> 30^\circ$, chamfer acute corners 2" similar to sidewalk.



SECTION D-D

(at Rt. L's)



TRIMETRIC VIEW

EJ-SS-S

4-4-2025



USER NAME	=	idot	DESIGNED	-	TB	REVISED	-
CHECKED	-	PRD	REVIS	-		REVIS	-
PLOT SCALE	=	NONE	DRAWN	-	TB	REVISED	-
PLOT DATE	=	10/16/2025	CHECKED	-	PRD	REVISED	-

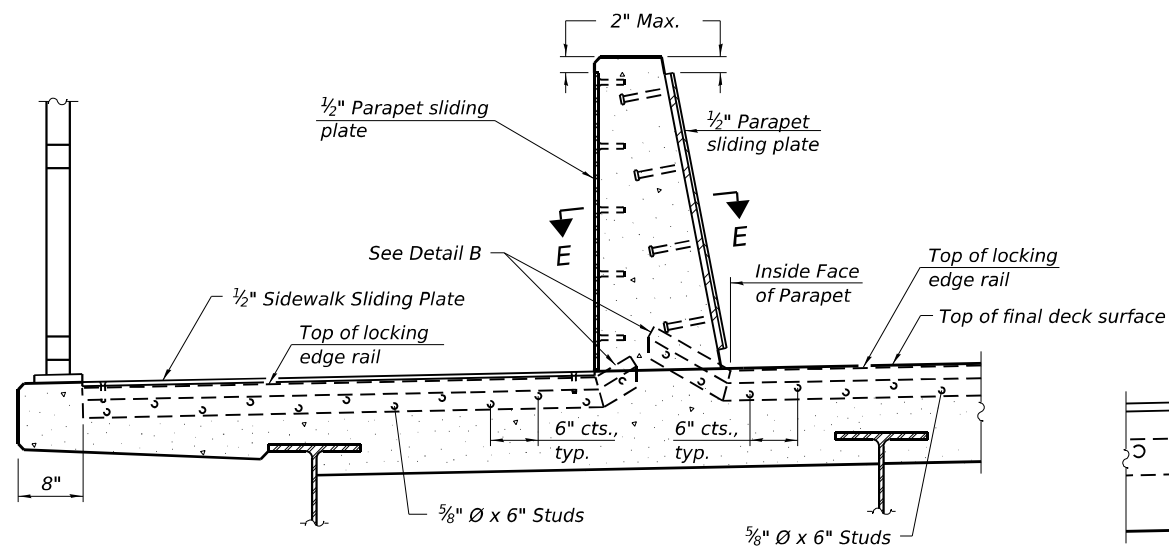
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PREFORMED JOINT STRIP SEAL - SIDEWALK
STRUCTURE NO. 016-2114

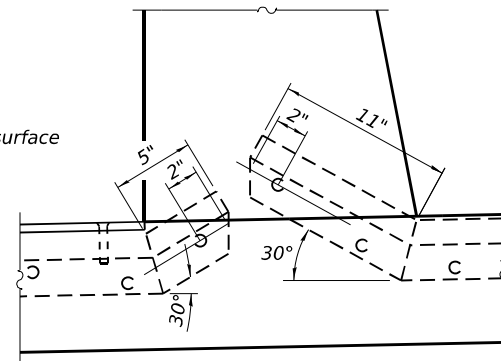
SHEET S-25 OF 38 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	FAI 290 22 BRIDGE 3	COOK	161	117
CONTRACT NO. 62U12				
ILLINOIS FED. AID PROJECT				

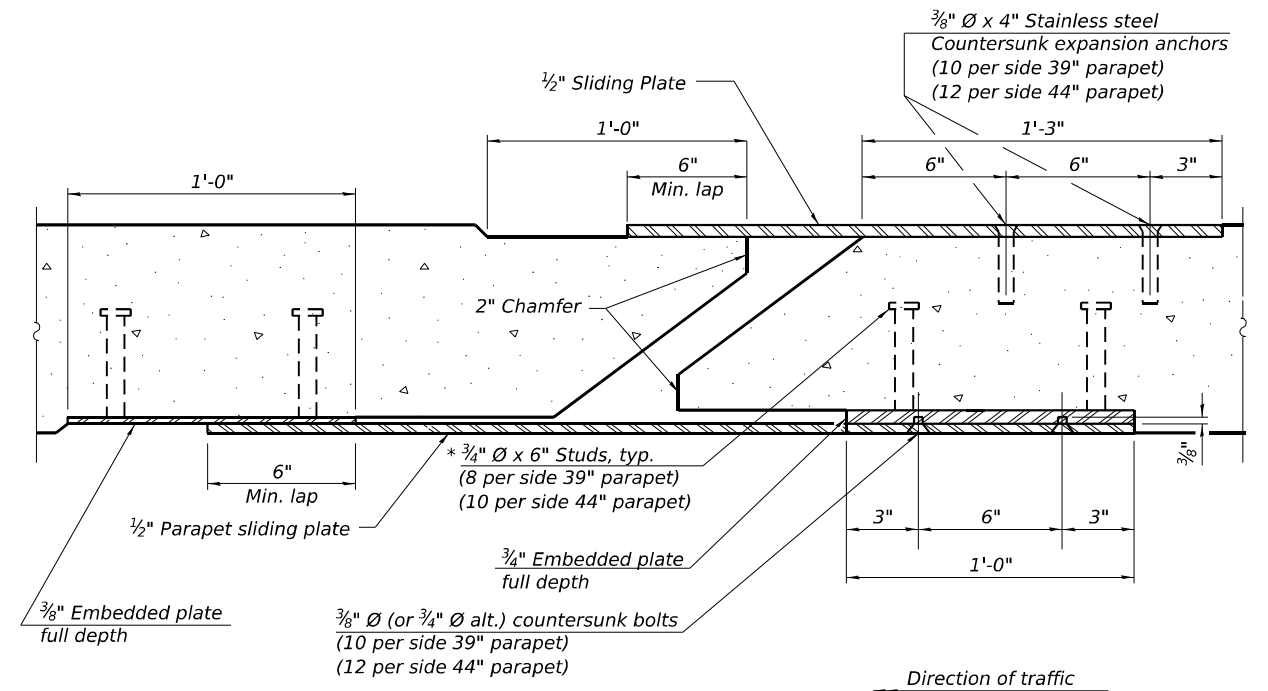
MODEL: Default
FILE NAME: W:\191-178_IDOT_205009_1-290 Loomis & Racine\CADD Sheets\62U12_Loomis Street\Structural\0162114-D-162U12-526-Joint_Strip_Seal3.dgn



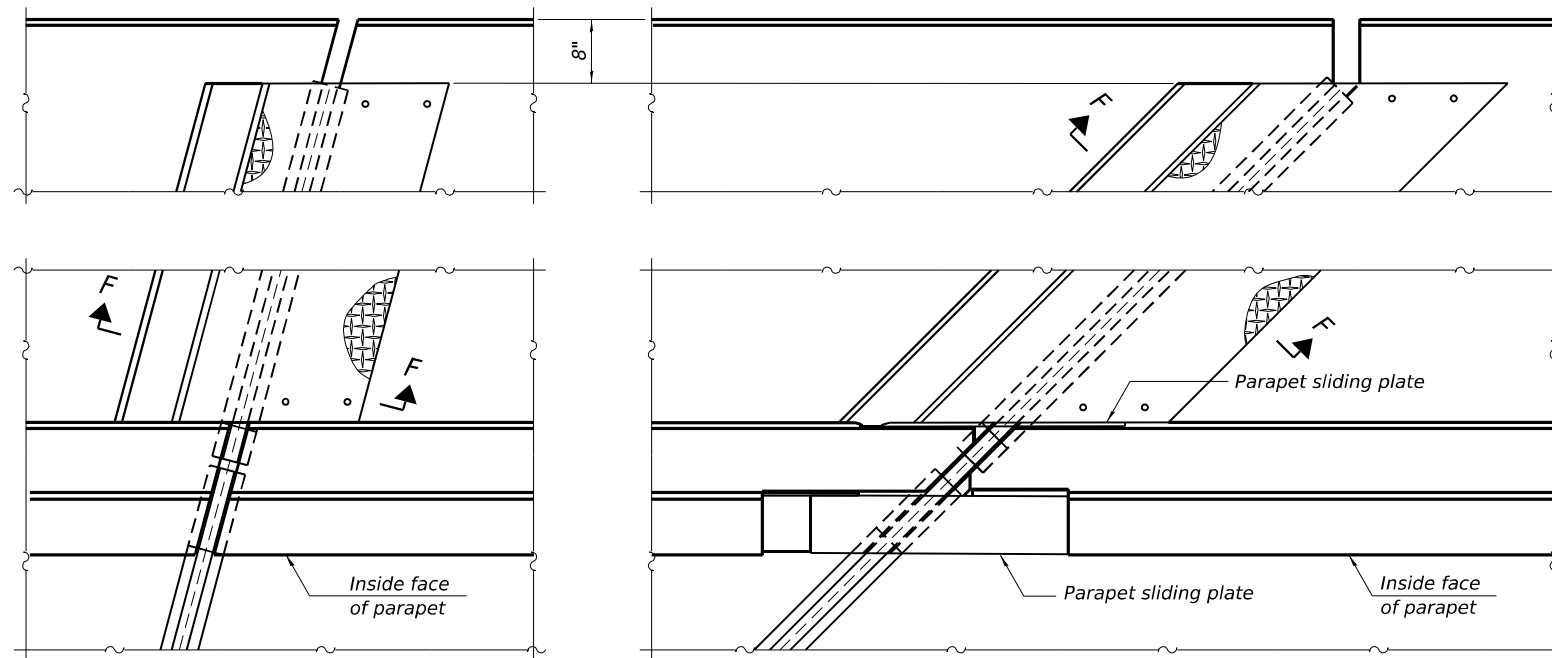
SECTION AT DECK LEVEL SIDEWALK
(Skews > 30° shown. Skews ≤ 30° similar except as shown in plan view.)



DETAIL B
(Kick-up at parapet locations shown. See sheet of for kick-up at curb locations.)



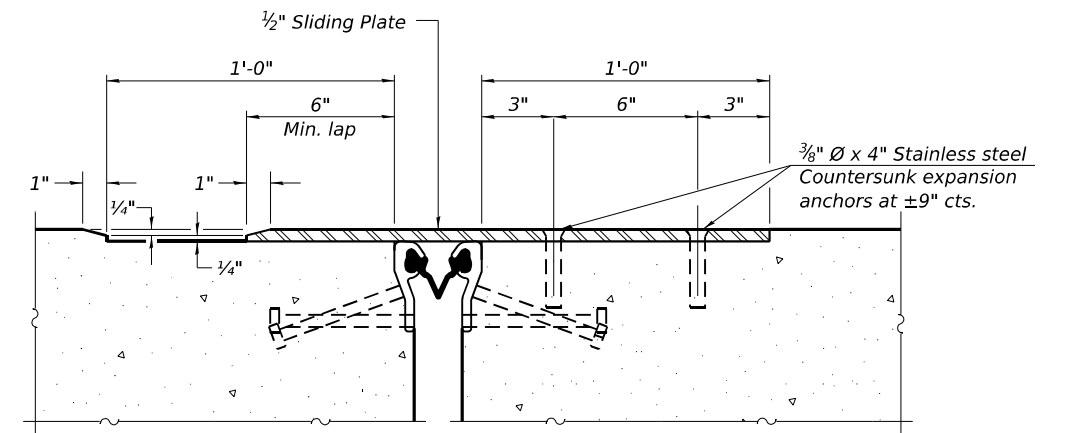
SECTION E-E
(3/4" Ø countersunk bolts extending into concrete shall have hex nuts tack welded to the back of the embedded plates with end caps provided.)



(FOR SKEWS ≤ 30°)

(FOR SKEWS > 30°)

PLAN AT DECK LEVEL SIDEWALK



SECTION F-F

EJ-SS-S

4-4-2025

(Sheet 3 of 3)



USER NAME =	idot	DESIGNED -	TB	REVISED -	
CHECKED -	PRD	REVISED -		REVISED -	
PLOT SCALE =	NONE	DRAWN -	TB	REVISED -	
PLOT DATE =	10/16/2025	CHECKED -	PRD	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

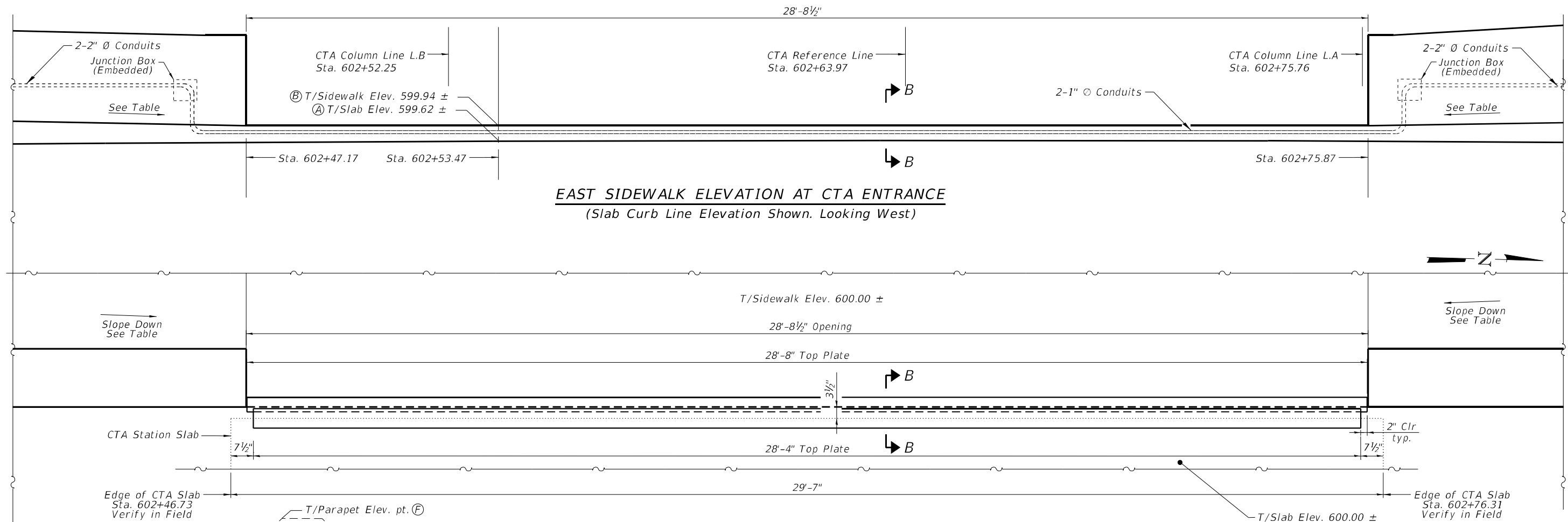
PREFORMED JOINT STRIP SEAL - SIDEWALK
STRUCTURE NO. 016-2114

SHEET S-26 OF 38 SHEETS

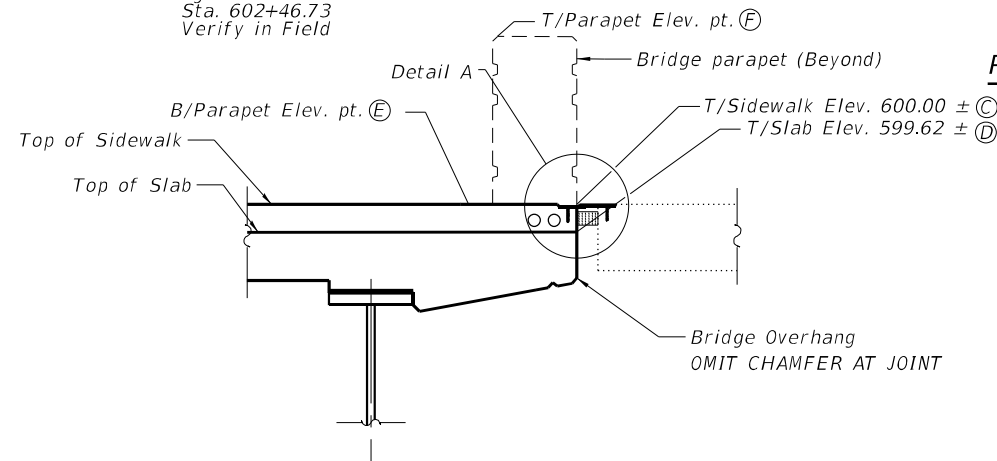
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	FAI 290 22 BRIDGE 3	COOK	161	118
CONTRACT NO. 62U12				
ILLINOIS FED. AID PROJECT				

10/16/2025 5:20:49 PM

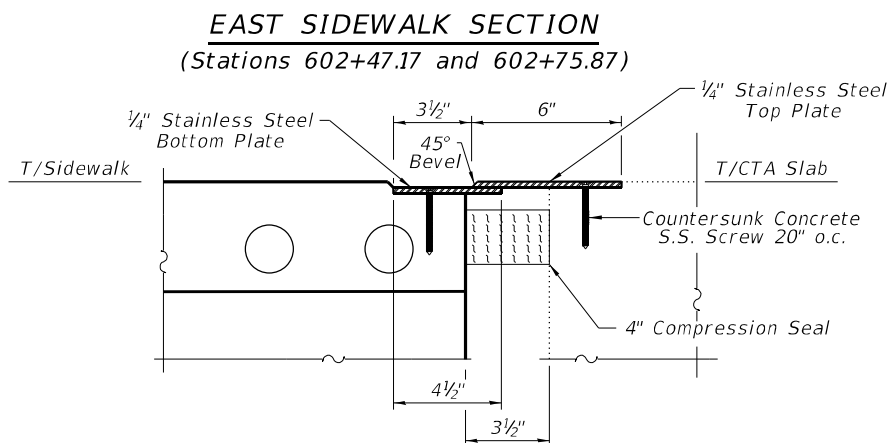
MODEL: Default
FILE NAME: W:\191-178_IDOT_205009_1290 Loomis & Racine\CADD Sheets\62U12_Loomis Street\Structural\0162114-D-162U12-527-CTA_Joint_Details.dgn



EAST SIDEWALK ELEVATION AT CTA ENTRANCE
(Slab Curb Line Elevation Shown, Looking West)

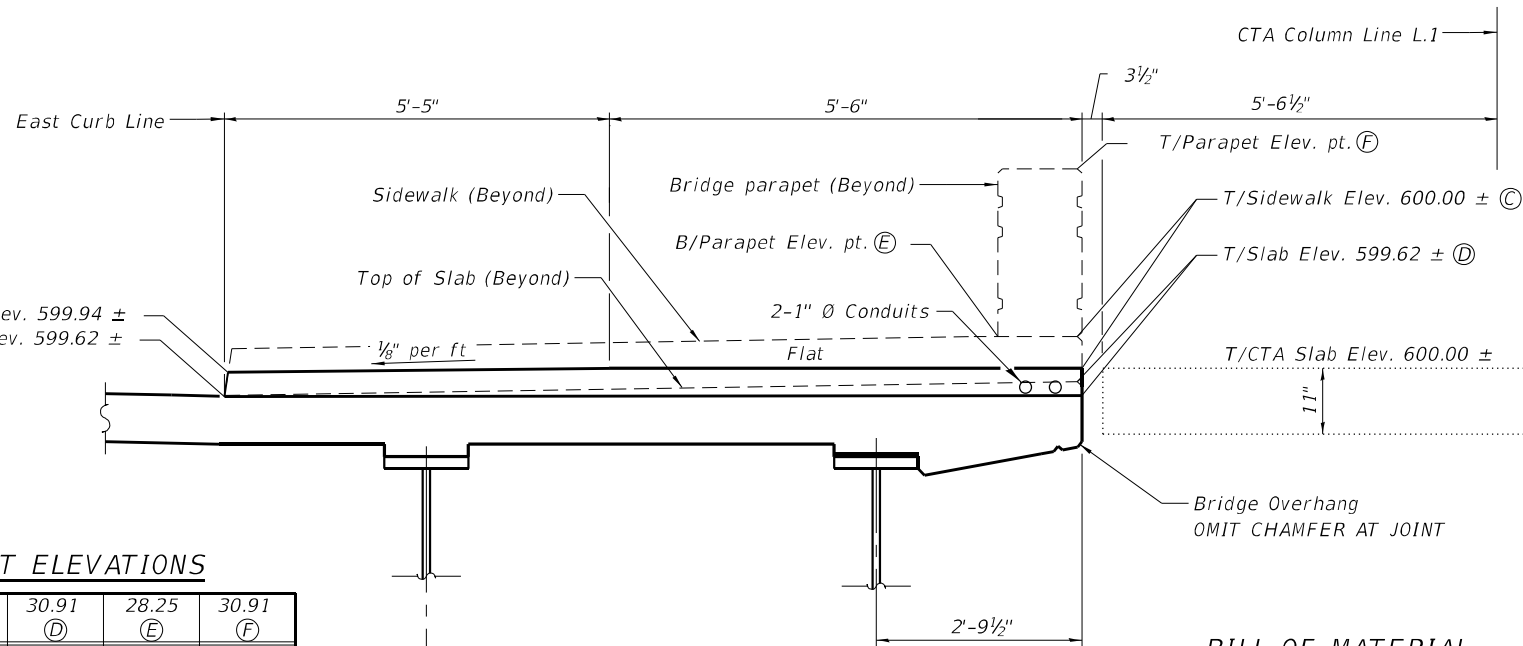


PARTIAL EAST SIDEWALK PLAN AT CTA ENTRANCE



EAST SIDEWALK SECTION
(Stations 602+47.17 and 602+75.87)

JOINT DETAIL A



SECTION B-B
EAST SIDEWALK
(Station 602+63.47)

OFF SET		19.00	19.10	30.91	30.91	28.25	30.91
STATION		(A)	(B)	(C)	(D)	(E)	(F)
602+33.47		599.46	600.13	600.29	599.67	600.29	602.63
602+43.47		599.55	600.06	600.12	599.49	600.12	602.45
602+47.17		599.54	599.94	600.00	599.62	600.00	602.33
602+53.47		599.60	599.94	600.00	599.62	N/A	N/A
602+63.47		599.62	599.94	600.00	599.62	N/A	N/A
602+73.47		599.61	599.94	600.00	599.62	N/A	N/A
602+75.87		599.60	599.94	600.00	599.62	600.00	602.33
602+83.47		599.56	600.23	600.39	599.76	600.39	602.72

SIDEWALK AND PARAPET ELEVATIONS

BILL OF MATERIAL

Item	Unit	Total
Expansion Joint (Special)	Foot	29

Notes:
Bottom plate shall be 4" longer to accomodate longitudinal bridge movement.
All information shall be field verified prior to ordering reinforcing or joint material.



USER NAME =	idot	DESIGNED -	TB	REVISED -	
CHECKED -	PRD	REVISIED -			
PLOT SCALE =	NONE	DRAWN -	TB	REVISED -	
PLOT DATE =	10/16/2025	CHECKED -	PRD	REVISED -	

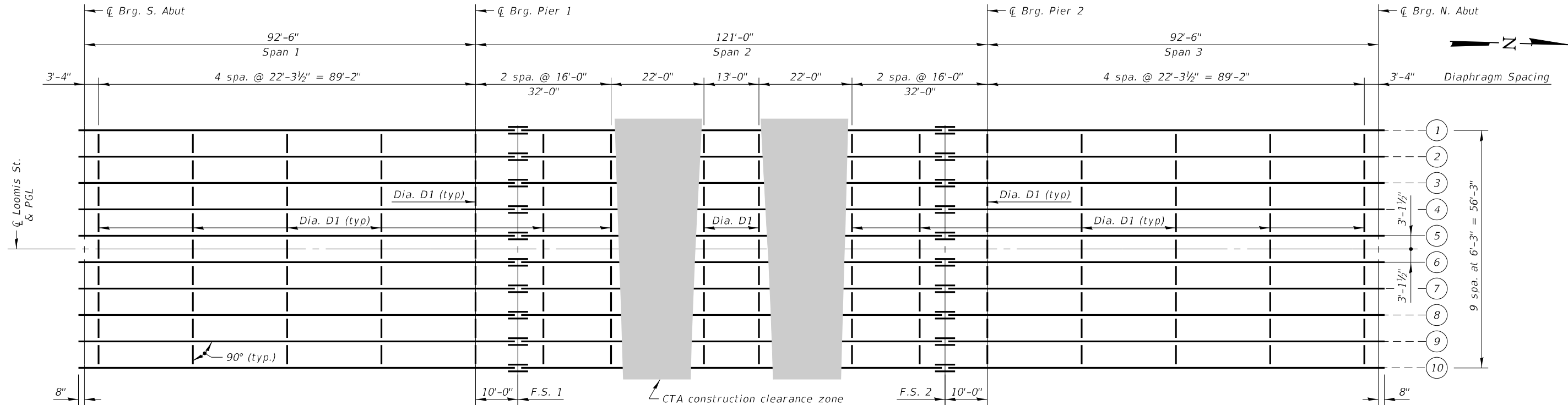
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CTA STATION JOINT DETAILS
STRUCTURE NO. 016-2114

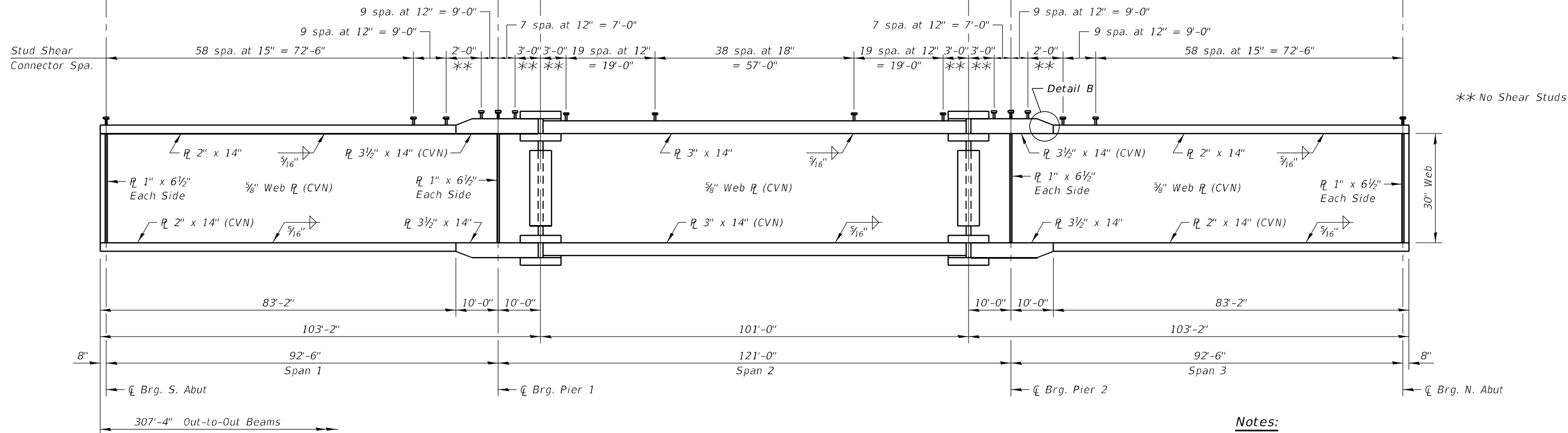
SHEET S-27 OF 38 SHEETS

FA.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	FAI 290 22 BRIDGE 3	COOK	161	119
CONTRACT NO. 62U12				
ILLINOIS FED. AID PROJECT				

MODEL: Default
FILE NAME: W:\191-178_IDOT_205009_1290 Loomis & Racine\CADD Sheets\62U12_Loomis Street\Structural\0162114-D162U12-528-Framing.dgn



FRAMING PLAN



ELEVATION

Notes:

All girders, bearing stiffeners and splice plate material shall be AASHTO M270 Grade 50.

Load carrying components designated "CVN" shall conform to the Charpy-V-Notch Impact Requirements, Zone 2.

All span lengths, end of beam dimensions and diaphragm spaces are along horizontal plane of the structure.

See Sheet S-29 for Detail B



USER NAME	=	idot	DESIGNED	-	TB	REVISED	-
			CHECKED	-	PRD	REVISED	-
PLOT SCALE	=	NONE	DRAWN	-	TB	REVISED	-
PLOT DATE	=	10/16/2025	CHECKED	-	PRD	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FRAMING PLAN AND ELEVATION
STRUCTURE NO. 016-2114

SHEET S-28 OF 38 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	FAI 290 22 BRIDGE 3	COOK	161	120
CONTRACT NO. 62U12				
ILLINOIS FED. AID PROJECT				

MODEL: Default
FILE NAME: W:\191-178_IDOT_205009_1+290_Loomis & Racine\CADD_Sheets\62U12_Loomis Street\Structural\0162114-D-162U12-529-Girder_details.dgn

INTERIOR GIRDER MOMENT TABLE				
		0.4 Span 1 0.6 Span 3	Pier 1 & Pier 2	0.5 Span 2
I_s	(in ⁴)	15761	29001	24338
$I_c(n)$	(in ⁴)	35180	56136	48982
$I_c(3n)$	(in ⁴)	25637	41438	35959
$I_c(cr)$	(in ⁴)	—	33623	—
S_s	(in ³)	927	1568	1352
$S_c(n)$	(in ³)	1233	1989	1734
$S_c(3n)$	(in ³)	1119	1803	1573
$S_c(cr)$	(in ³)	—	1666	—
S_x	(in ³)	1178	1872	1665
DC1	(k/ft)	0.932	1.096	1.042
M_{DC1}	(k)	472	1212	695
DC2	(k/ft)	0.402	0.402	0.402
M_{DC2}	(k)	220	483	253
DW	(k/ft)	0.095	0.095	0.095
M_{DW}	(k)	52	114	60
LLDF		0.538	0.526	0.514
$M_{\ell + IM}$	(k)	1066	1291	1208
f_t (Strength I)	(ksi)	0.00	0.00	0.00
$M_u + \frac{1}{3} f_t S_x$	(k)	2809	4550	3387
$\Phi_f M_n$	(k)	5446	—	7375
f_s DC1	(ksi)	6.1	9.3	6.2
f_s DC2	(ksi)	2.4	3.5	1.9
f_s DW	(ksi)	0.6	0.8	0.5
$f_s (\ell + IM)$	(ksi)	10.4	9.3	8.4
f_t (Service II)	(ksi)	0.0	0.0	0.0
$f_s + \frac{f_t}{2}$ (Service II)	(ksi)	22.5	25.7	19.4
Service II Resistance	(ksi)	47.5	47.5	47.5
$f_s + \frac{f_t}{3}$ (Strength I)	(ksi)	—	33.5	—
$\Phi_f F_n$	(ksi)	—	50.0	—
V_f	(k)	24.6	27.8	22.0

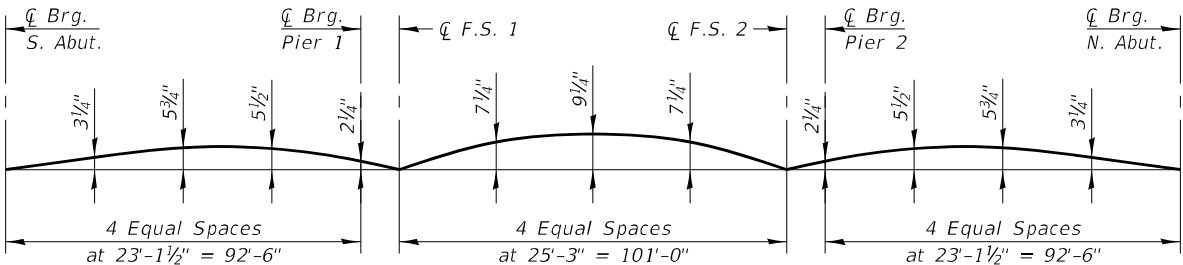
GIRDER REACTION TABLE		
	Abut.	Pier
LLDF	0.689	0.689
OCF	—	—
R_{DC1}	(k) 56.0	119.2
R_{DC2}	(k) 19.4	48.2
R_{DW}	(k) 4.6	11.4
R_{ℓ}	(k) 77.0	121.8
R_{IM}	(k) 18.6	21.6
R_{Total} (Strength I) (Impact)	(k) 268.5	477.3
R_{Total} (Strength I) (No Impact)	(k) 235.9	439.5

TOP OF WEB ELEVATIONS

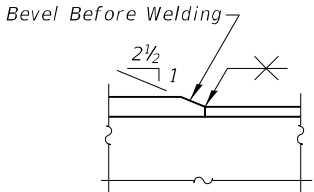
(For Fabrication use only)

Girder No.	☐ Brg. S. Abut.	☐ Brg. Pier 1	F.S. 1	F.S. 2	☐ Brg. Pier 2	☐ Brg. N. Abut.
1	594.775	597.853	597.978	597.980	597.855	594.775
2	594.775	597.853	597.978	597.980	597.855	594.775
3	594.827	597.905	598.030	598.032	597.907	594.827
4	594.925	598.003	598.128	598.130	598.005	594.925
5	595.015	598.093	598.218	598.220	598.095	595.015
6	595.015	598.093	598.218	598.220	598.095	595.015
7	594.925	598.003	598.128	598.130	598.005	594.925
8	594.827	597.905	598.030	598.032	597.907	594.827
9	594.775	597.853	597.978	597.980	597.855	594.775
10	594.775	597.853	597.978	597.980	597.855	594.775

- I_s, S_s : Non-composite moment of inertia and section modulus of the steel section used for computing f_s (Total-Strength I, and Service II) due to non-composite dead loads (in.⁴ and in.³).
- $I_c(n), S_c(n)$: Composite moment of inertia and section modulus of the steel and deck based upon the modular ratio, "n", used for computing f_s (Total-Strength I, and Service II) in uncracked sections due to short-term composite live loads (in.⁴ and in.³).
- $I_c(3n), S_c(3n)$: Composite moment of inertia and section modulus of the steel and deck based upon 3 times the modular ratio, "3n", used for computing f_s (Total-Strength I, and Service II) in uncracked sections, due to long-term composite (superimposed) dead loads (in.⁴ and in.³).
- $I_c(cr), S_c(cr)$: Composite moment of inertia and section modulus of the steel and longitudinal deck reinforcement, used for computing f_s (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).
- S_x : Section modulus about the major axis of a section to the controlling flange, tension or compression, taken as yield moment with respect to the controlling flange over the yield strength of the controlling flange (in.³).
- DC1: Un-factored non-composite dead load (kips/ft.).
- M_{DC1} : 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.).
- M_{DC2} : 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.).
- M_{DW} : Un-factored moment due to long-term composite (superimposed future wearing surface only) dead load (kip-ft.).
- LLDF: Live Load Distribution Factor for moment and shear computed according to Article 4.6.2.2 and further IDOT provisions.
- $M_{\ell + IM}$: Un-factored live load moment plus dynamic load allowance (Impact) (kip-ft.).
- M_u : Strength I load combination of factored design moments (kip-ft.).
 $1.25 (M_{DC1} + M_{DC2}) + 1.5 M_{DW} + 1.75 M_{\ell + IM}$
- f_t : Factored calculated flange lateral bending stress as calculated using Article 6.10.1.6 and as further simplified by IDOT provisions (ksi).
- $\Phi_f M_n$: Factored nominal flexural resistance of the section determined as specified in Article 6.10.7.1 or A6 as applicable (kip-ft.).



CAMBER DIAGRAM



DETAIL "B"

INTERIOR GIRDER DEFLECTION TABLE		
	Span 1 Span 3	Span 2
Δ_{ALLOW}	(in) 1.11	1.45
$\Delta_{\ell + IM}$	(in) 1.10	1.35

- Δ_{ALLOW} : Maximum allowable Service I live load plus impact deflection according to AASHTO LRFD Bridge Design Specifications 9.5.2.
- $\Delta_{\ell + IM}$: Calculated value Service I live load plus impact deflection.

Notes:

All beams, bearing stiffeners, connection plates, and splice plate material shall be AASHTO M270 Grade 50.

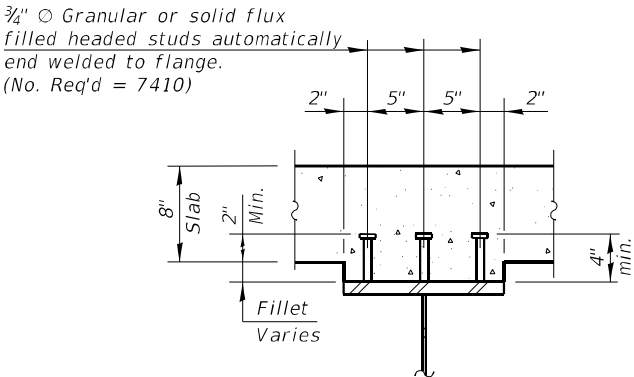
Load carrying components designated "CVN" shall conform to the Charpy-V-Notch Impact Requirements, Zone 2.

All span lengths, end of beam dimensions and diaphragm spaces are along horizontal plane of the structure.

- f_s DC1: Un-factored stress at edge of flange for controlling steel flange due to vertical non-composite dead loads as calculated below (ksi).
 M_{DC1} / S_s
- f_s DC2: Un-factored stress at edge of flange for controlling steel flange due to vertical composite dead loads as calculated below (ksi).
 $M_{DC2} / S_c(3n)$ or $M_{DC2} / S_c(cr)$ as applicable.
- f_s DW: Un-factored stress at edge of flange for controlling steel flange due to vertical composite future wearing surface loads as calculated below (ksi).
 $M_{DW} / S_c(3n)$ or $M_{DW} / S_c(cr)$ as applicable.
- $f_s (\ell + IM)$: Un-factored stress at edge of flange for controlling steel flange due to vertical composite live load plus impact loads as calculated below (ksi).
 $M_{\ell + IM} / S_c(n)$ or $M_{\ell + IM} / S_c(cr)$ as applicable.
- $f_s + f_t / 2$ (Service II): Sum of stresses as computed below (ksi).
 f_s DC1 + f_s DC2 + f_s DW + 1.3 $f_s (\ell + IM)$ + $f_t / 2$
- Service II Resistance: Composite (0.95 $R_h F_y t$) or noncomposite (0.80 $R_h F_y t$) stress capacity according to Article 6.10.4.2 (ksi).
- $f_s + f_t / 3$ (Strength I): Sum of stresses as computed below on non-compact sections (ksi).
 $1.25 (f_s$ DC1 + f_s DC2) + 1.5 f_s DW + 1.75 $f_s (\ell + IM)$ + $f_t / 3$
- $\Phi_f F_n$: Factored nominal flexural resistance of the section as specified in Article 6.10.7.2 or 6.10.8 as applicable (ksi).
- V_f : Maximum factored shear range in span computed according to Article 6.10.10.
- OCF: Obtuse Correction Factor according to Article 4.6.2.2.3c or as further simplified by IDOT provisions.
- R_{DC1} : Un-factored reaction due to non-composite dead load (kip).
- R_{DC2} : Un-factored reaction due to long-term composite (superimposed excluding future wearing surface) dead load (kip).
- R_{DW} : Un-factored reaction due to long-term composite (superimposed future wearing surface only) dead load (kip).
- R_{ℓ} : Un-factored live load reaction (kip).
- R_{IM} : Un-factored dynamic load allowance (Impact) (kip).
- R_{Total} (Strength I) (Impact): Strength I load combination of factored design reactions (kip).
 $1.25 (R_{DC1} + R_{DC2}) + 1.5 R_{DW} + 1.75 (R_{\ell} + R_{IM})$
- R_{Total} (Strength I) (No Impact): Strength I load combination of factored design reactions, not including dynamic load allowance (Impact) (kip).
 $1.25 (R_{DC1} + R_{DC2}) + 1.5 R_{DW} + 1.75 (R_{\ell})$

Note:

M_{ℓ} and R_{ℓ} include the effects of centrifugal force and superelevation.



BILL OF MATERIAL

Item	Unit	Quantity
Furnishing And Erecting Structural Steel	L Sum	1



USER NAME =	idot	DESIGNED -	TB	REVISED -	
CHECKED -	PRD	REVISED -		REVISED -	
PLOT SCALE =	NONE	DRAWN -	TB	REVISED -	
PLOT DATE =	10/16/2025	CHECKED -	PRD	REVISED -	

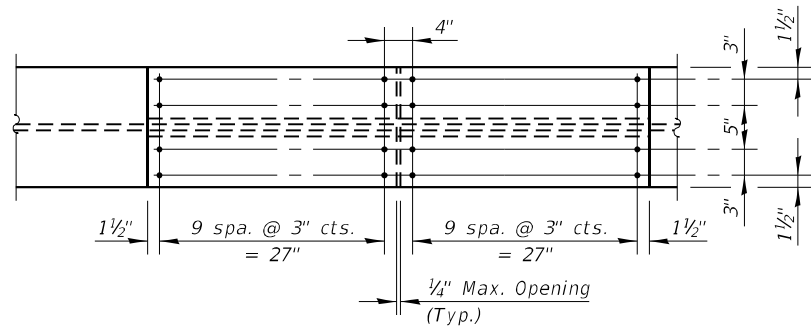
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GIRDER DETAILS
STRUCTURE NO. 016-2114

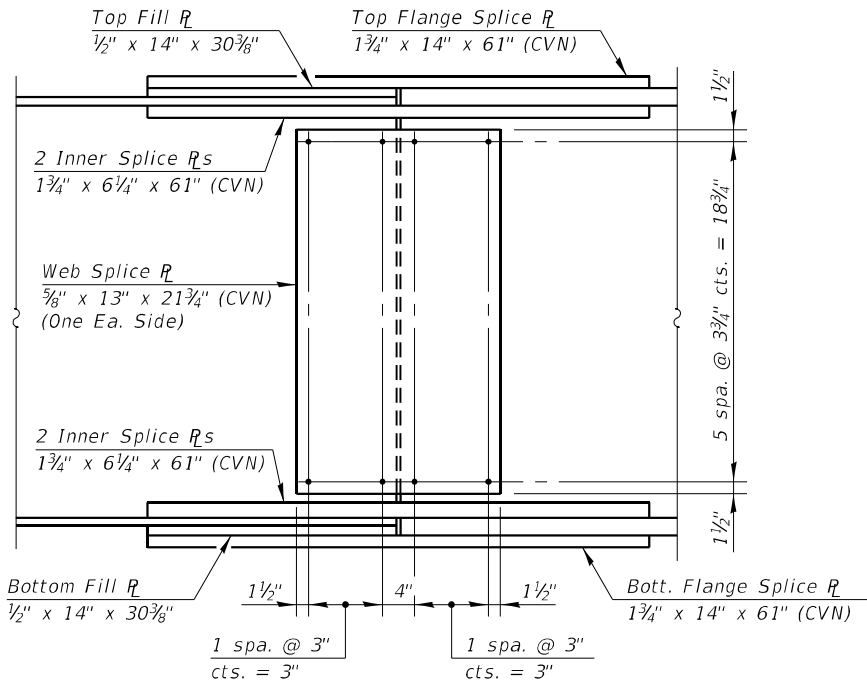
SHEET S-29 OF 38 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	FAI 290 22 BRIDGE 3	COOK	161	121
CONTRACT NO. 62U12				
ILLINOIS FED. AID PROJECT				

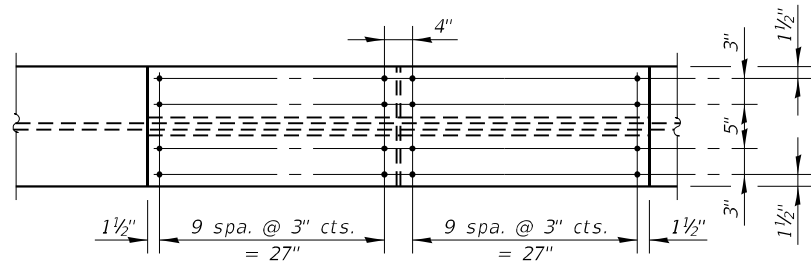
MODEL: Default
FILE NAME: W:\191-178_IDOT_205009_1290 Loomis & Racine\CADD Sheets\62U12_Loomis Street\Structural\0162114-D162U12-530-Splice_diaphragm.dgn



TOP FLANGE

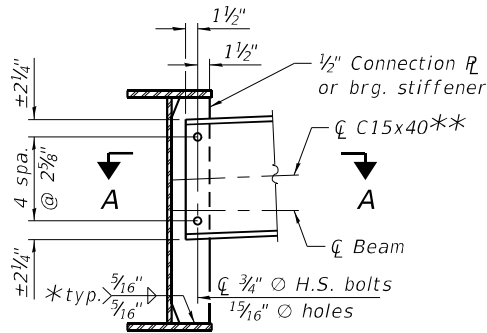


ELEVATION



BOTTOM FLANGE

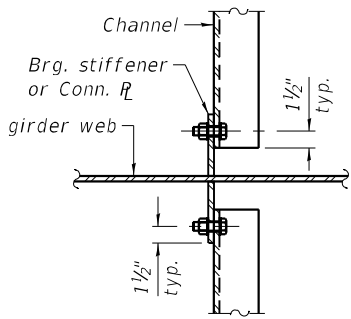
DETAIL OF SPLICE
(20 Required)



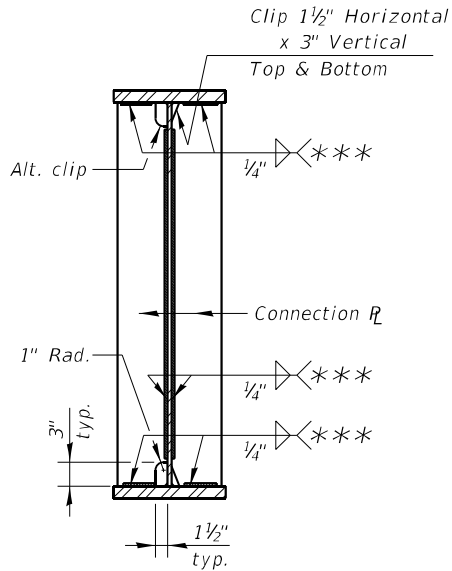
INTERIOR DIAPHRAGM D1

(144 Required)

* 3 sides of each stiffener and/or connection R



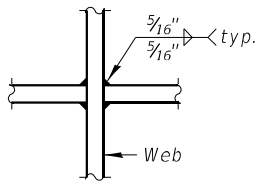
SECTION A-A



CONNECTION PLATE

(140 Required)

***Stop welds 1/4" (±1/8") from edges as shown.



WEB WELD DETAIL

NOTES:

All girder plates, bearing stiffeners, connection plates, and splice plate material shall be AASHTO M270 Grade 50.

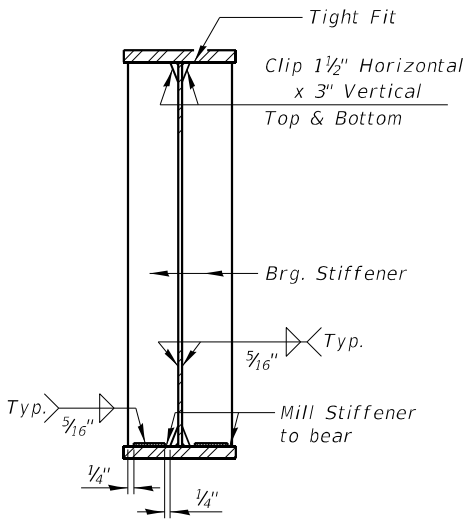
Load carrying components designated "CVN" shall conform to the Charpy-V-Notch Impact Requirements, Zone 2.

All splice bolts shall be 7/8" O High Strength Bolts.
All splice holes shall be 1 1/2" O holes.

All diaphragms between girders shall be installed with erection pins and bolts in accordance with the erection plan approved by the Engineer. Individual diaphragms at supports may be temporarily disconnected to install bearing anchor bolts.

Two hardened washers required for each set of oversized holes.

** Alternate channels C15X50 are permitted to facilitate material acquisition. Calculated weight of structural steel is based on C15X40 sections. The alternate, if utilized, shall be provided at no extra cost to the department.



BEARING STIFFENER

(40 Required)



USER NAME	=	idot	DESIGNED	-	TB	REVISED	-
CHECKED	-	PRD	REVISED	-			
PLOT SCALE	=	NONE	DRAWN	-	TB	REVISED	-
PLOT DATE	=	10/16/2025	CHECKED	-	PRD	REVISED	-

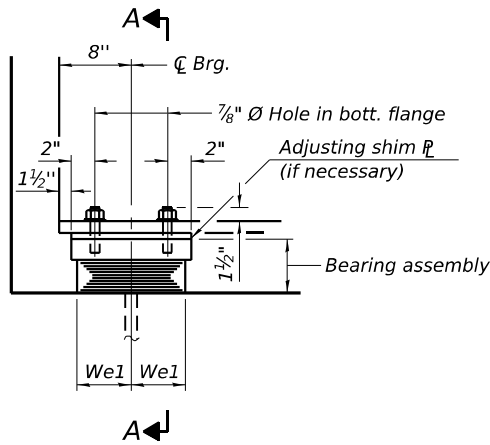
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FIELD SPLICE AND DIAPHRAGM DETAILS
STRUCTURE NO. 016-2114

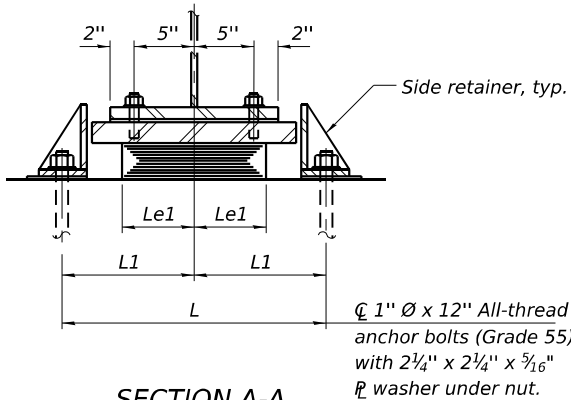
SHEET S-30 OF 38 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	FAI 290 22 BRIDGE 3	COOK	161	122
CONTRACT NO. 62U12				
ILLINOIS FED. AID PROJECT				

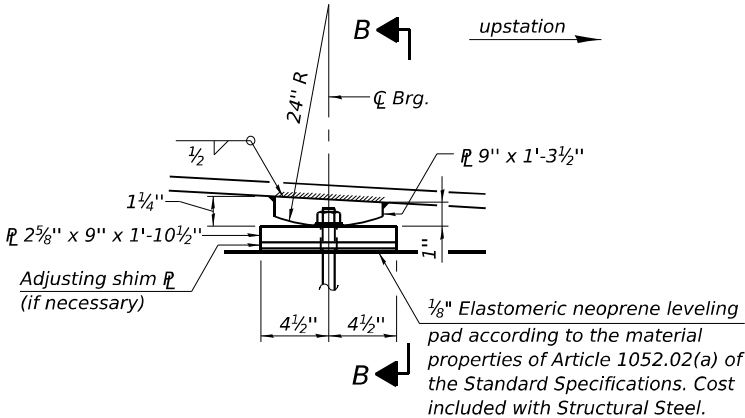
MODEL: Default
FILE NAME: W:\191-178_IDOT_205009_1230 Loomis & Racine\CADD Sheets\62U12_Loomis Street\Structural\0162114-D-162U12-531-Bearing_Details_Ty1.dgn



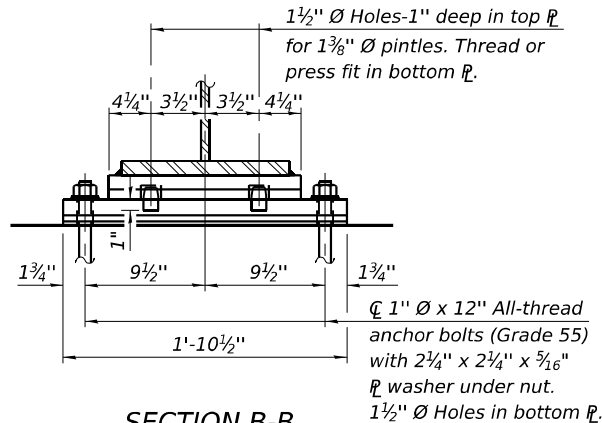
ELEVATION AT ABUT.
Elevation at Pier 1 similar



SECTION A-A

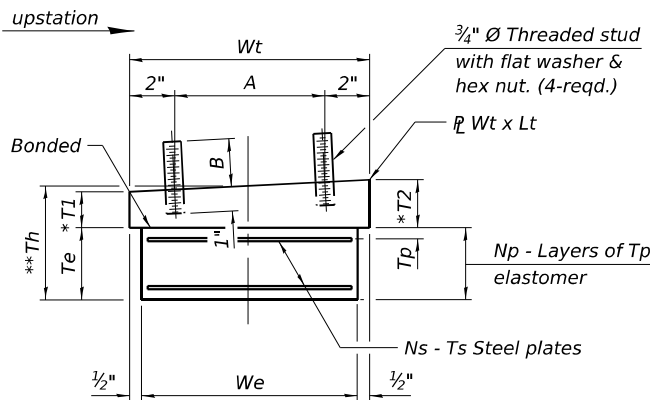


ELEVATION



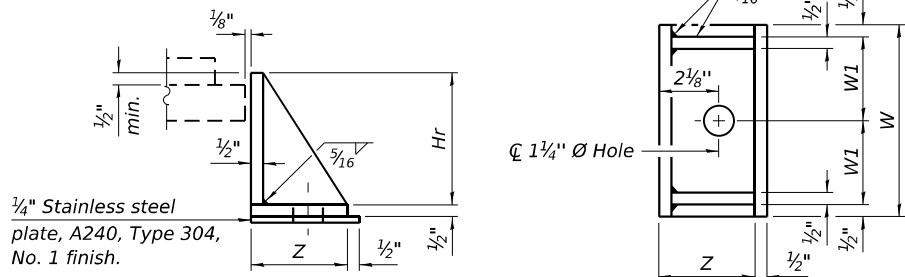
SECTION B-B

TYPE I ELASTOMERIC EXP. BRG.



BEARING ASSEMBLY

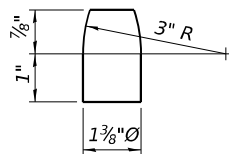
Note
Shim plates shall not be placed under bearing assembly.
* T2 always oriented upstation from T1
** Measured at $\varnothing$ Brg



SIDE RETAINER

Equivalent rolled angle with stiffeners will be allowed in lieu of welded plates.

FIXED BEARING AT PIER 2



PINTLE

NOTES
Side retainers and stainless steel plates shall be included in the cost of Elastomeric Bearing Assembly, Type I.

Anchor bolts and side retainers at all supports shall be installed as each member is erected unless an equivalent temporary means of lateral restraint is used.

Two 1/8 in. adjusting shims shall be provided for each bearing in addition to all other plates or shims and placed as shown on bearing details.

All bearing plates, side retainers, anchor bolts, nuts, washers and pintles shall be galvanized according to AASHTO M111 or M232 as applicable. The fixed bearing components shall be metallized.

TYPE I ELASTOMERIC BEARING DIMENSIONS TABLE

Bearing Location	No. Req'd	Bearing	Th	Elastomer								Top Plate						Side Retainer					
				We	We1	Le1	Te	Tp	Np	Ts	Ns	Wt	Lt	T1	T2	A	B	W	W1	Z	Hr	L	L1
S. Abut.	10	12" x 18"	7 $\frac{1}{16}$ "	12"	6"	9"	5 $\frac{1}{16}$ "	$\frac{9}{16}$ "	7	$\frac{3}{16}$ "	6	13"	20"	2"	2"	9"	3 $\frac{3}{4}$ "	10"	4 $\frac{1}{2}$ "	7 $\frac{1}{4}$ "	6 $\frac{13}{16}$ "	2'-0 $\frac{1}{2}$ "	1'-0 $\frac{1}{4}$ "
N. Abut.	10	12" x 18"	7 $\frac{1}{16}$ "	12"	6"	9"	5 $\frac{1}{16}$ "	$\frac{9}{16}$ "	7	$\frac{3}{16}$ "	6	13"	20"	2"	2"	9"	3 $\frac{3}{4}$ "	10"	4 $\frac{1}{2}$ "	7 $\frac{1}{4}$ "	6 $\frac{13}{16}$ "	2'-0 $\frac{1}{2}$ "	1'-0 $\frac{1}{4}$ "
Pier 1	10	18" x 24"	6 $\frac{3}{8}$ "	18"	9"	12"	3 $\frac{1}{16}$ "	$\frac{3}{4}$ "	4	$\frac{3}{16}$ "	3	19"	26"	2 $\frac{1}{2}$ "	3 $\frac{1}{8}$ "	15"	5 $\frac{1}{4}$ "	19"	9"	10 $\frac{3}{8}$ "	6 $\frac{7}{16}$ "	2'-6 $\frac{1}{2}$ "	1'-3 $\frac{1}{4}$ "

FILL PLATE THICKNESS TABLE

Girder	S. Abut.	Pier 1	Pier 2	N. Abut.
Girder 3	5/8"	5/8"	5/8"	5/8"
Girder 8	5/8"	5/8"	5/8"	5/8"

BILL OF MATERIAL

Item	Unit	Total
Elastomeric Bearing Assembly Type I	Each	30
Anchor Bolts, 1"	Each	80



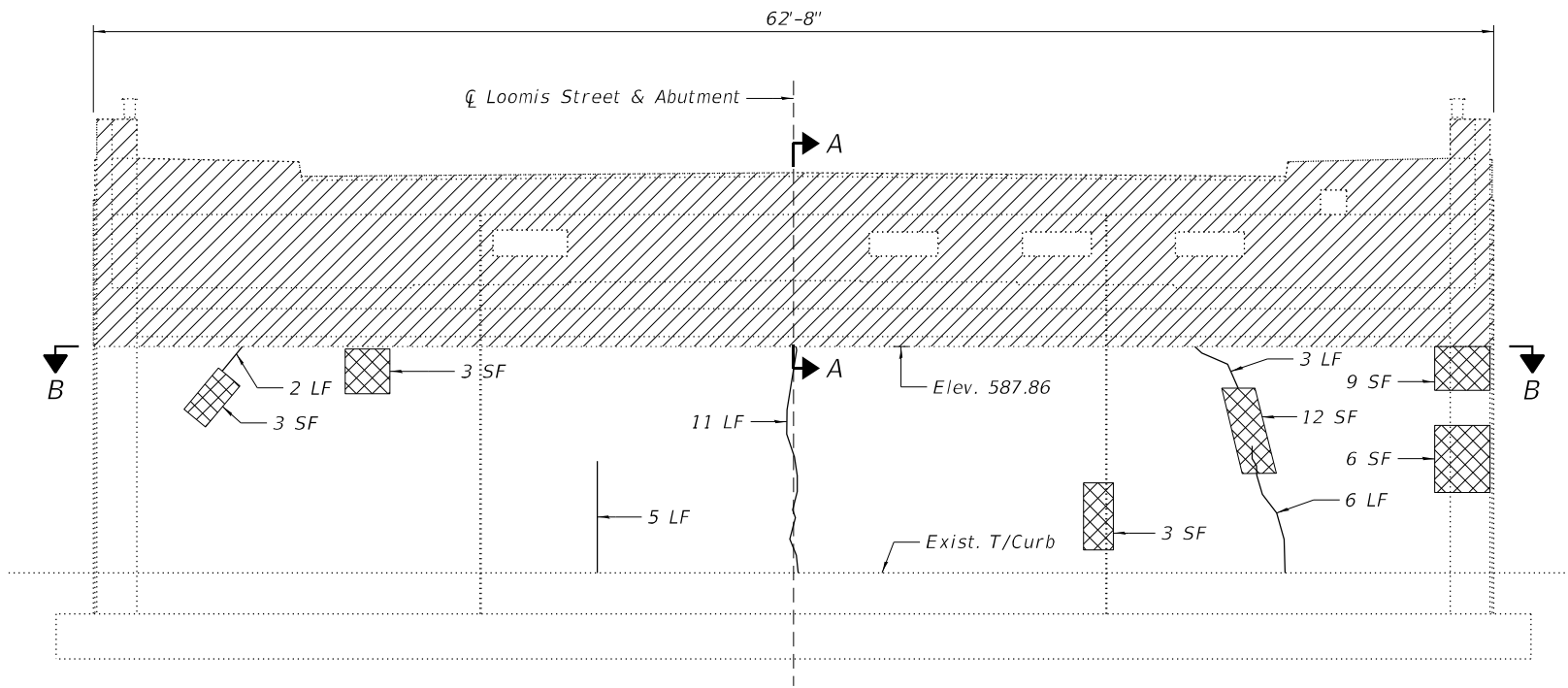
USER NAME =	idot	DESIGNED -	TB	REVISED -	
CHECKED -	PRD	REVIS			
PLOT SCALE =	NONE	DRAWN -	TB	REVISED -	
PLOT DATE =	10/16/2025	CHECKED -	PRD	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

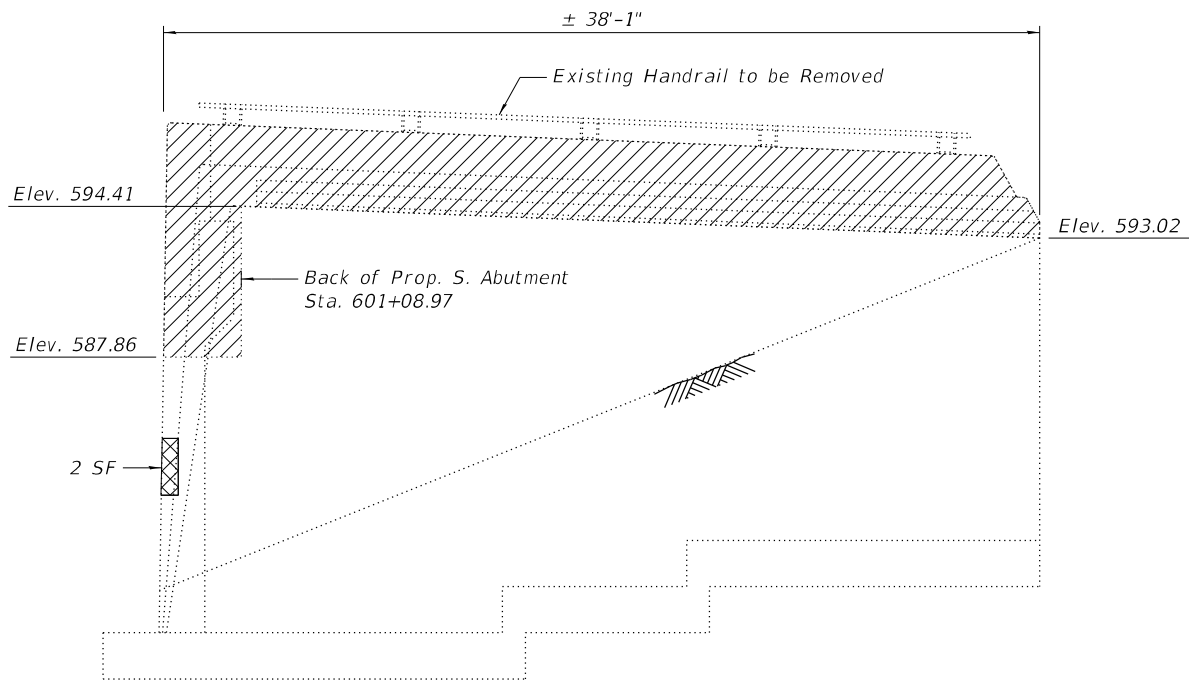
BEARING DETAILS
STRUCTURE NO. 016-2114

SHEET S-31 OF 38 SHEETS

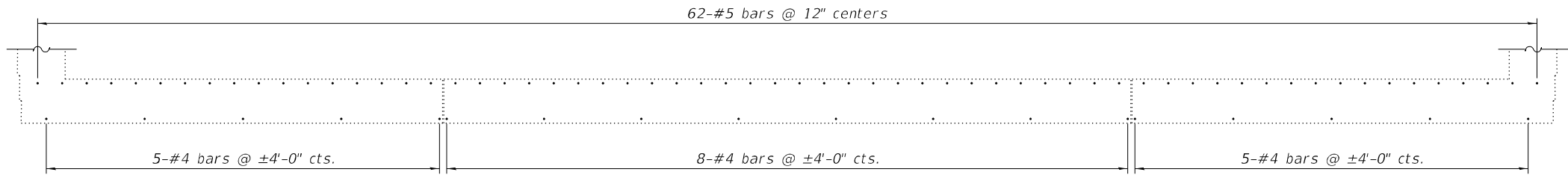
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	FAI 290 22 BRIDGE 3	COOK	161	123
CONTRACT NO. 62U12				
ILLINOIS FED. AID PROJECT				



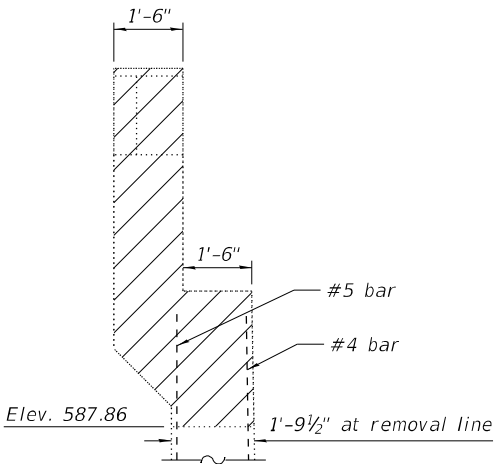
SOUTH ABUTMENT ELEVATION
(Looking South)



SOUTHWEST WINGWALL ELEVATION
(Looking East)
(Similar concrete and handrail removal for Southeast Wingwall)



SECTION B-B
(Showing existing reinforcement bars to remain)



SECTION A-A
(Showing existing reinforcement bars to remain)

NOTES:

Repairs to the existing abutment below the concrete removal shall include but not be limited to the areas shown. The actual areas to be repaired will be determined by the Engineer at the time of construction.

Repairs are to be performed after removal of existing superstructure elements and associated bearings.

Saw cut to maintain smooth finish on exposed concrete faces. Cost included with Concrete Removal.

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

Seal exposed rebar at top of wingwall with epoxy. Cost included with Concrete Removal.

See Sheet S-34 for South Abutment Modifications.

BILL OF MATERIAL

Item	Unit	Total
Concrete Removal	Cu Yd	51
Bridge Rail Removal	Foot	67
Epoxy Crack Injection	Foot	27
Structural Repair of Concrete (Depth Equal To Or Less Than 5 Inches)	Sq Ft	38

LEGEND

- Structural Repair of Concrete (Depth Equal To Or Less Than 5 Inches)
- Concrete Removal

Epoxy Crack Injection

LF Linear Feet

SF Square Feet

SY Square Yards



USER NAME =	idot	DESIGNED -	JBZ	REVISED -	
		CHECKED -	PRD	REVISED -	
PLOT SCALE =	NONE	DRAWN -	JBZ	REVISED -	
PLOT DATE =	10/16/2025	CHECKED -	PRD	REVISED -	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

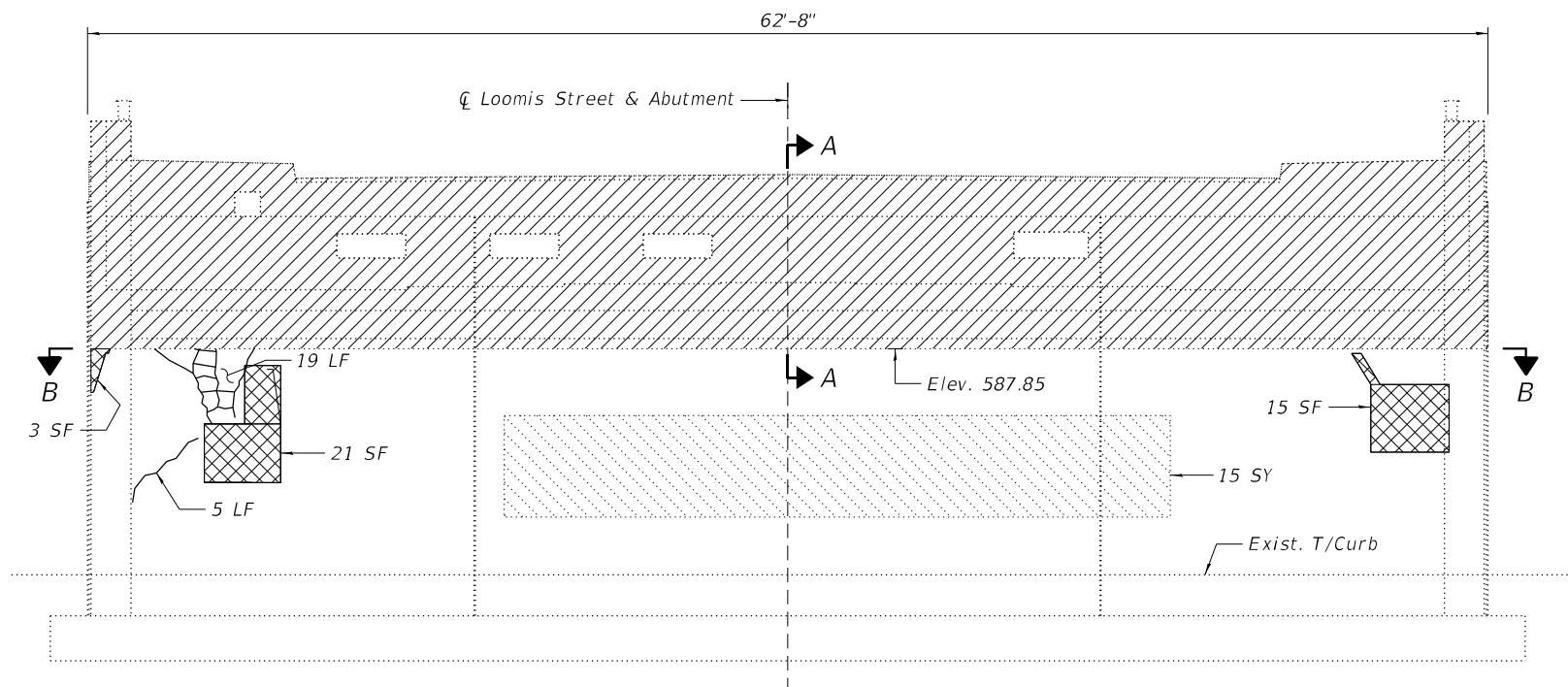
**SOUTH ABUTMENT REMOVAL AND REPAIR
STRUCTURE NO. 016-2114**

SHEET S-32 OF 38 SHEETS

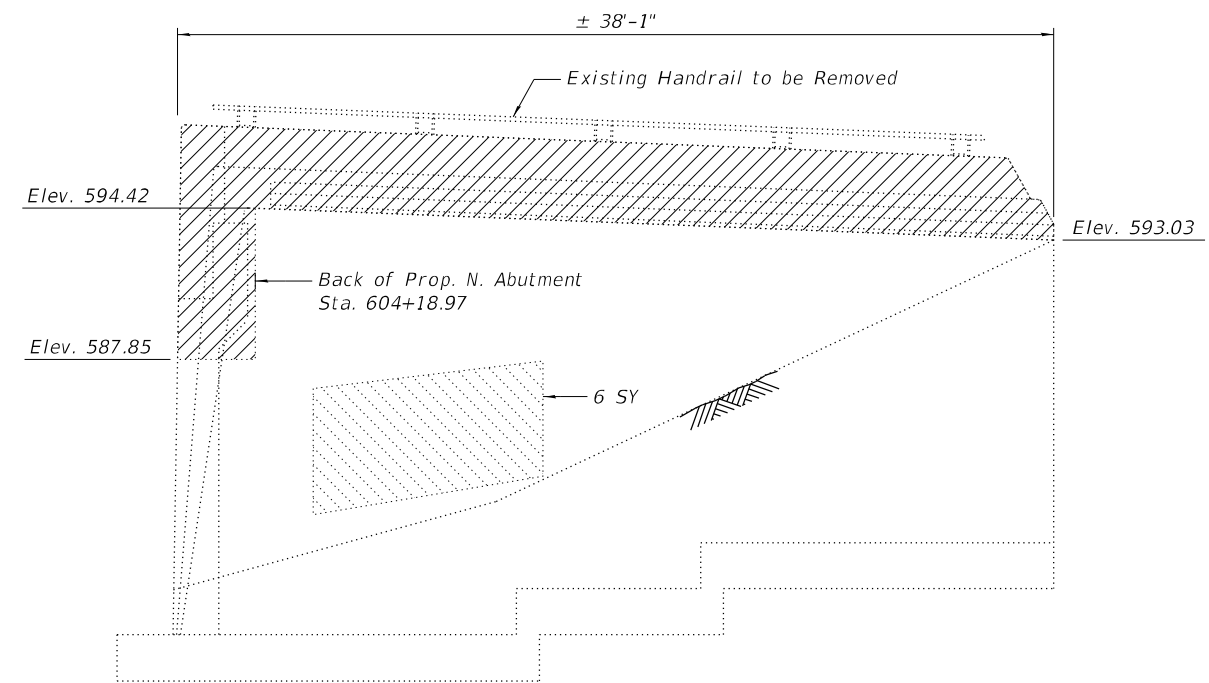
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	FAI 290 22 BRIDGE 3	COOK	161	124
CONTRACT NO. 62U12				
ILLINOIS		FED. AID PROJECT		

MODEL: Default
FILE NAME: W:\191+178_IDOT_205009_1+290 Loomis & Racine\CADD Sheets\62U12_Loomis Street\Structural\0162114-D-162U12-532-5Abut_rem_repair.dgn

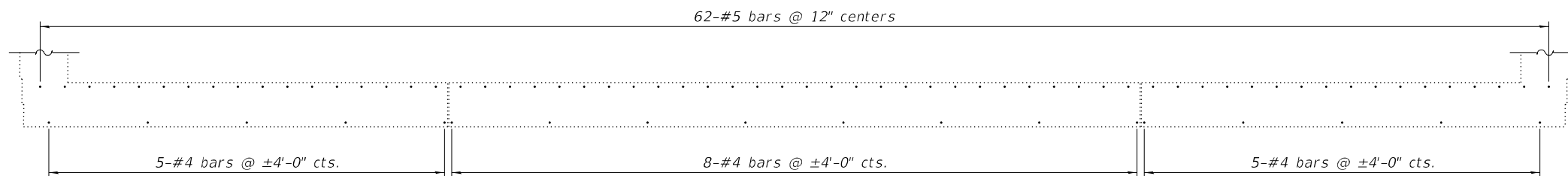
MODEL: Default
FILE NAME: W:\191-178_IDOT_205009_1290 Loomis & Racine\CADD Sheets\62U12_Loomis Street\Structural\0162114-D-162U12-533-NAbut_rem_repair.dgn



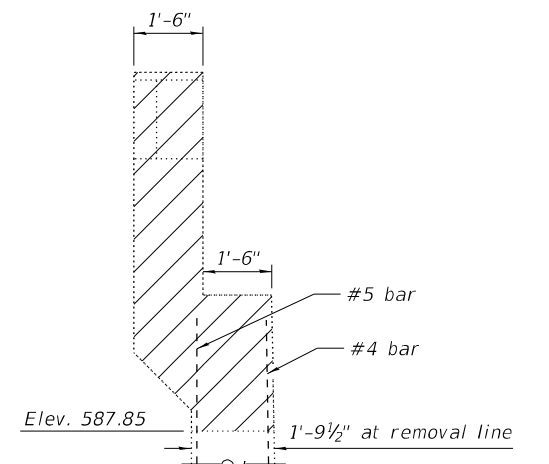
NORTH ABUTMENT ELEVATION
(Looking North)



NORTHEAST WINGWALL ELEVATION
(Looking West)
(Similar concrete and handrail removal for Northwest Wingwall)



SECTION B-B
(Showing existing reinforcement bars to remain)



SECTION A-A
(Showing existing reinforcement bars to remain)

NOTES:

Repairs to the existing abutment below the concrete removal shall include but not be limited to the areas shown. The actual areas to be repaired will be determined by the Engineer at the time of construction.

Repairs are to be performed after removal of existing superstructure elements and associated bearings.

Saw cut to maintain smooth finish on exposed concrete faces. Cost included with Concrete Removal.

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

Seal exposed rebar at top of wingwall with epoxy. Cost included with Concrete Removal.

See Sheet S-34 for North Abutment Modifications.

BILL OF MATERIAL

Item	Unit	Total
Concrete Removal	Cu Yd	51
Bridge Rail Removal	Foot	67
Epoxy Crack Injection	Foot	24
Graffiti Removal	Sq Yd	21
Structural Repair of Concrete (Depth Equal To Or Less Than 5 Inches)	Sq Ft	39

LEGEND

- Structural Repair of Concrete (Depth Equal To Or Less Than 5 Inches)
- Graffiti Removal
- Concrete Removal
- Epoxy Crack Injection
- LF Linear Feet
- SF Square Feet
- SY Square Yards



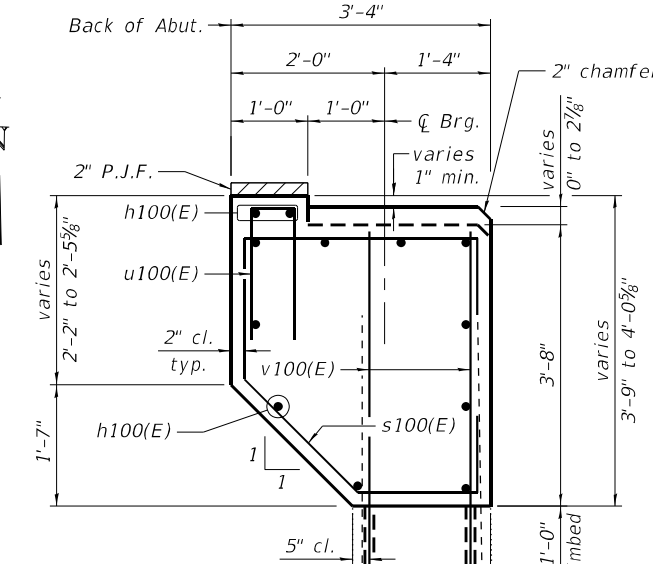
USER NAME =	idot	DESIGNED -	JBZ	REVISED -	
		CHECKED -	PRD	REVISED -	
PLOT SCALE =	NONE	DRAWN -	JBZ	REVISED -	
PLOT DATE =	10/16/2025	CHECKED -	PRD	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

NORTH ABUTMENT REMOVAL AND REPAIR
STRUCTURE NO. 016-2114

SHEET S-33 OF 38 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	FAI 290 22 BRIDGE 3	COOK	161	125
CONTRACT NO. 62U12				
ILLINOIS FED. AID PROJECT				



SECTION A-A



Legend

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

TWO ABUTMENTS
BILL OF MATERIALS

BAR	NO.	SIZE	LENGTH	SHAPE
<i>h100(E)</i>	24	#4	32'-0"	
<i>p100(E)</i>	16	#6	33'-0"	
<i>s100(E)</i>	126	#6	10'-7"	
<i>u100(E)</i>	126	#4	4'-8"	
<i>u101(E)</i>	8	#4	7'-0"	
<i>u102(E)</i>	4	#4	6'-7"	
<i>u103(E)</i>	4	#4	5'-5"	
<i>v100(E)</i>	252	#5	4'-6"	
<i>Concrete Structures</i>			<i>Cu. Yd.</i>	<i>56.0</i>
<i>Concrete Sealer</i>			<i>Sq. Ft.</i>	<i>830</i>
<i>Reinforcement Bars, Epoxy Coated</i>			<i>Pound</i>	<i>4,960</i>

(Looking North at N. Abutment)
(S. Abutment similar, opposite hand)

NORTH ABUTMENT
BEARING SEAT
ELEVATIONS

Beam No.	BRG. SEAT ELEVATION	STEP T- inch
1	591.52	0
2	591.52	
3	591.52	1 3/4
4	591.67	1 1/8
5	591.76	0
6	591.76	1 1/8
7	591.67	1 3/4
8	591.52	0
9	591.52	
10	591.52	

Beam No.	BRG. SEAT ELEVATION	STEP T- inch
1	591.52	0
2	591.52	
3	591.52	
4	591.67	1 $\frac{3}{4}$
5	591.76	1 $\frac{1}{8}$
6	591.76	0
7	591.67	1 $\frac{1}{8}$
8	591.52	1 $\frac{3}{4}$
9	591.52	0
10	591.52	

Bars indicated thus 4x2-#7 etc. indicates 4 lines of bars with 2 lengths per line.

See Sheet S-32 for South Abutment Removal and Repair.

See Sheet S-33 for North Abutment Removal and Repair.

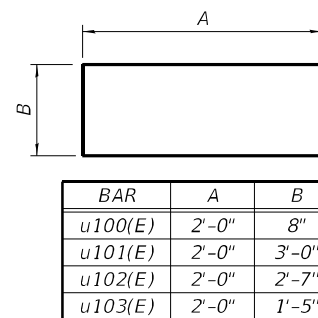
See Sheet S-03 for abutment drainage details.

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

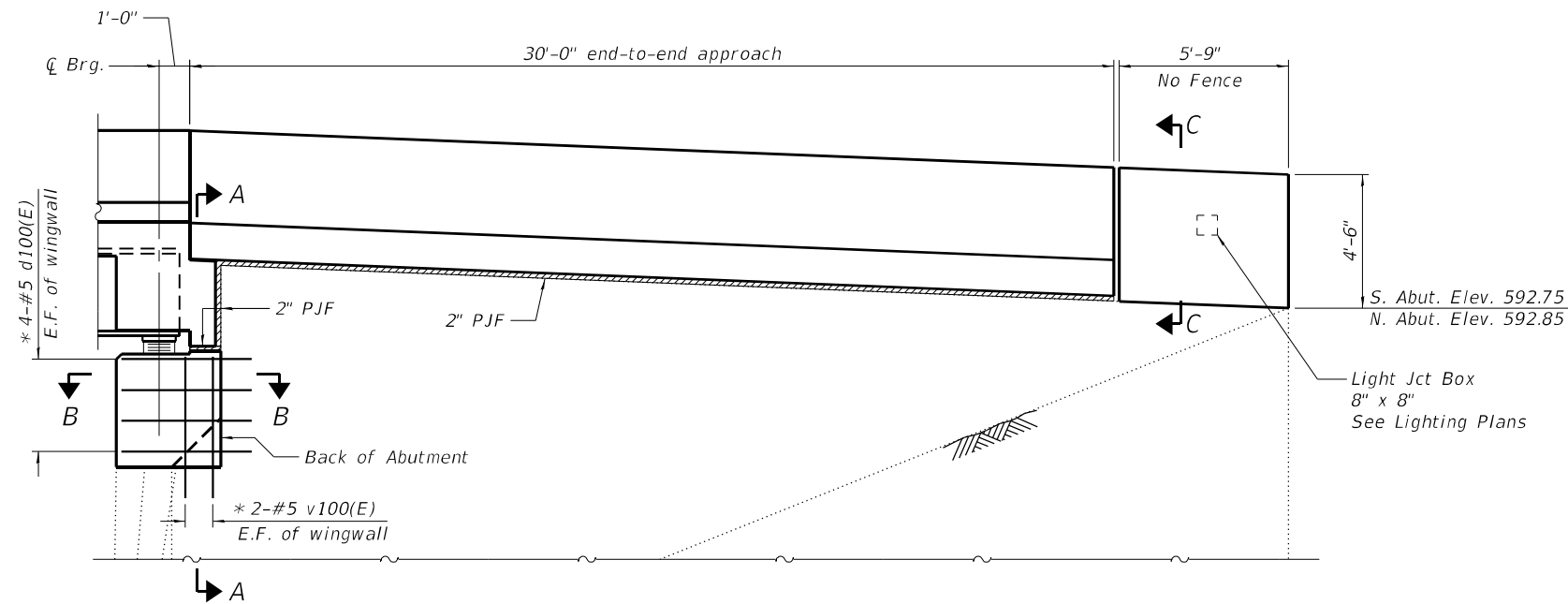
Space reinforcement in cap to miss anchor bolts.

Apply Concrete Sealer to all exposed proposed concrete surfaces of the abutment.

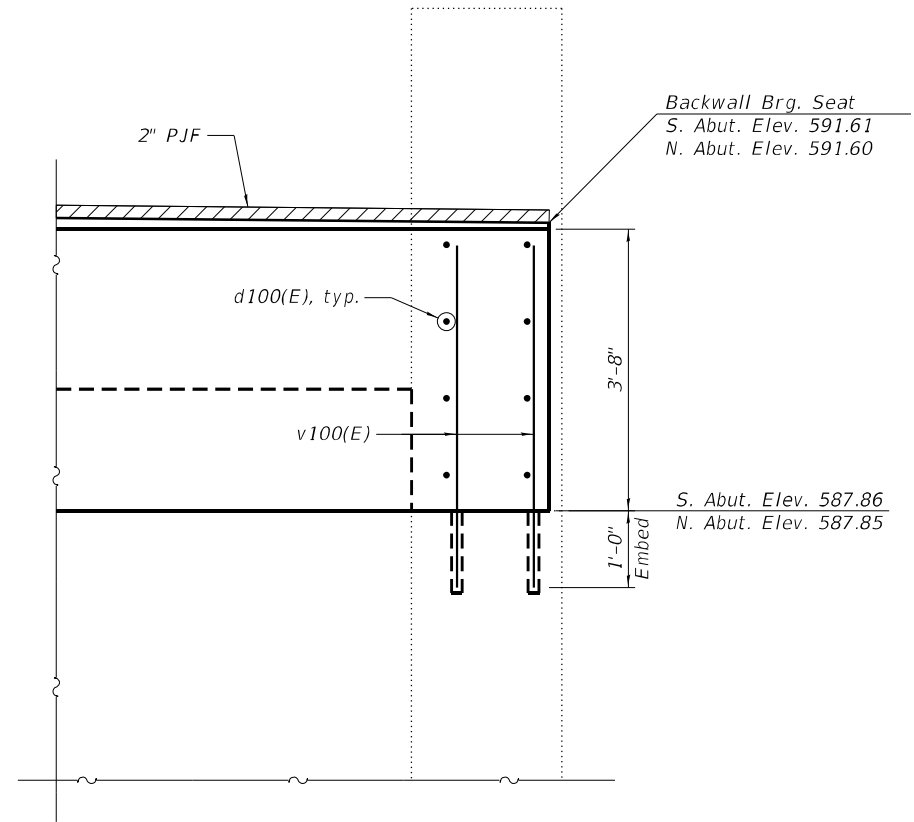
*Drill and grout v100(E) in accordance with Section 584 of the Standard Specifications. Embedment length shall be 1'-0".



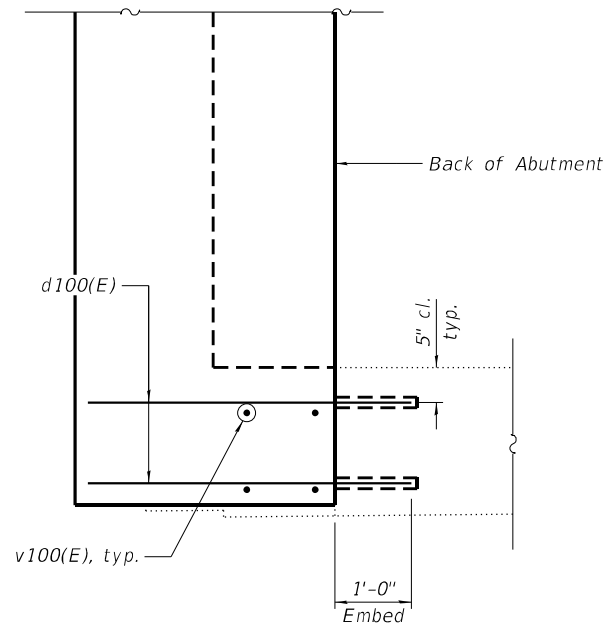
BARS $u_{100}(E)$, $u_{101}(E)$,
 $u_{102}(E)$ & $u_{103}(E)$



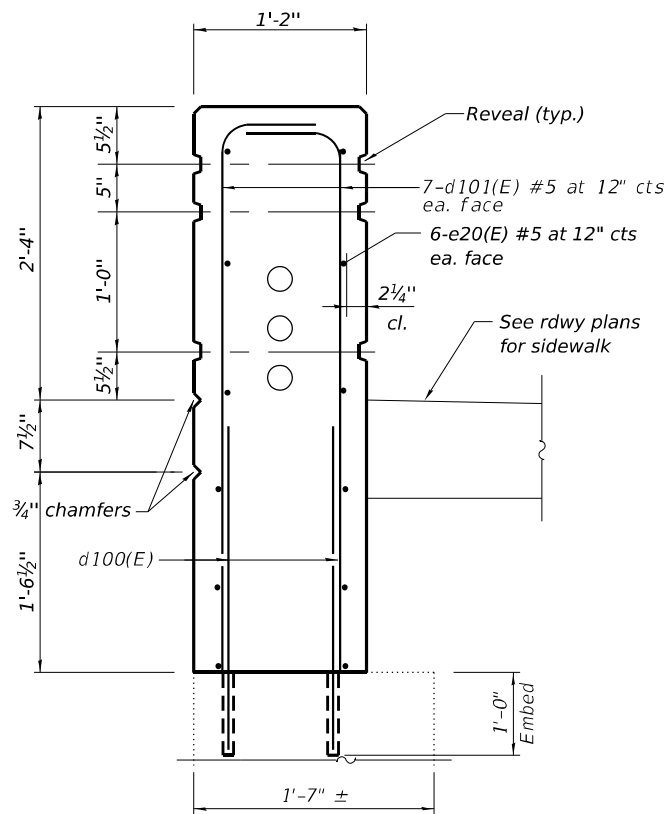
WINGWALL ELEVATION
(Showing Southwest or Northeast Wingwall. Southeast and Northwest Wingwall similar, opposite hand)
(Bridge Fence is not shown for clarity)



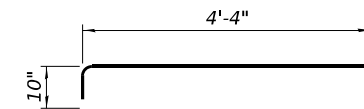
SECTION A-A
(Prop. diaphragm and approach slab not shown for clarity)



SECTION B-B



SECTION C-C



BAR d101(E)

NOTES:
See Sheet S-32 for South Abutment Removal and Repair.
See Sheet S-33 for North Abutment Removal and Repair.
See Sheet S-03 for abutment drainage details.

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

Space reinforcement in cap to miss anchor bolts.

Apply Concrete Sealer to all exposed proposed concrete surfaces of the abutment.

* Drill and grout v100(E) in accordance with Section 584 of the Standard Specifications. Embedment length shall be 1'-0".

**FOUR WINGWALLS
BILL OF MATERIALS**

Bar	No.	Size	Length	Shape
d100(E)	88	#5	4'-2"	
d101(E)	56	#5	5'-2"	
e20(E)	48	#5	5'-5"	
v100(E)	16	#5	4'-6"	
High Performance Concrete Superstructure			Cu. Yd.	4.5
Reinforcement Bars, Epoxy Coated			Pound	1030
Concrete Sealer			Sq. Ft.	939

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**WINGWALL PARAPET MODIFICATIONS
STRUCTURE NO. 016-2114**

SHEET S-35 OF 38 SHEETS

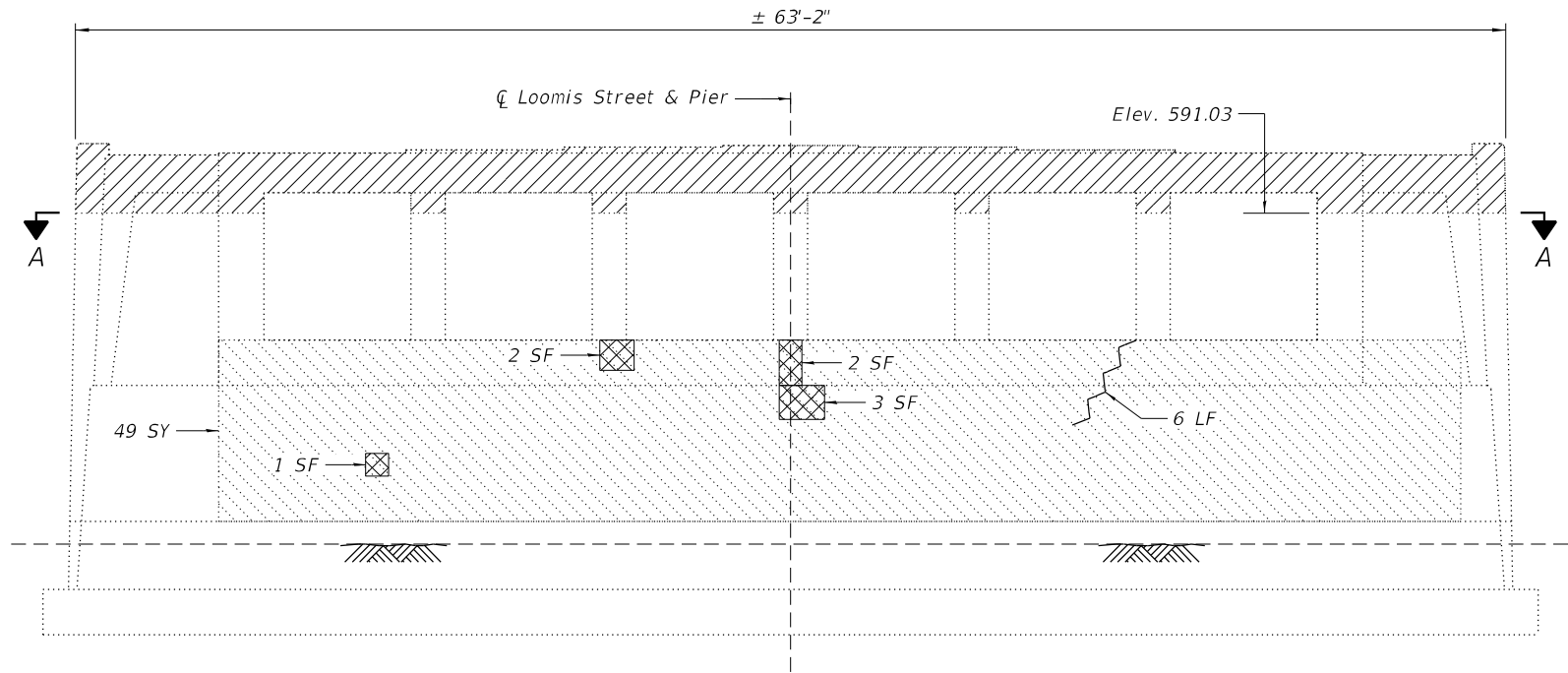
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	FAI 290 22 BRIDGE 3	COOK	161	127
CONTRACT NO. 62U12				
ILLINOIS FED. AID PROJECT				

BLA, Inc.

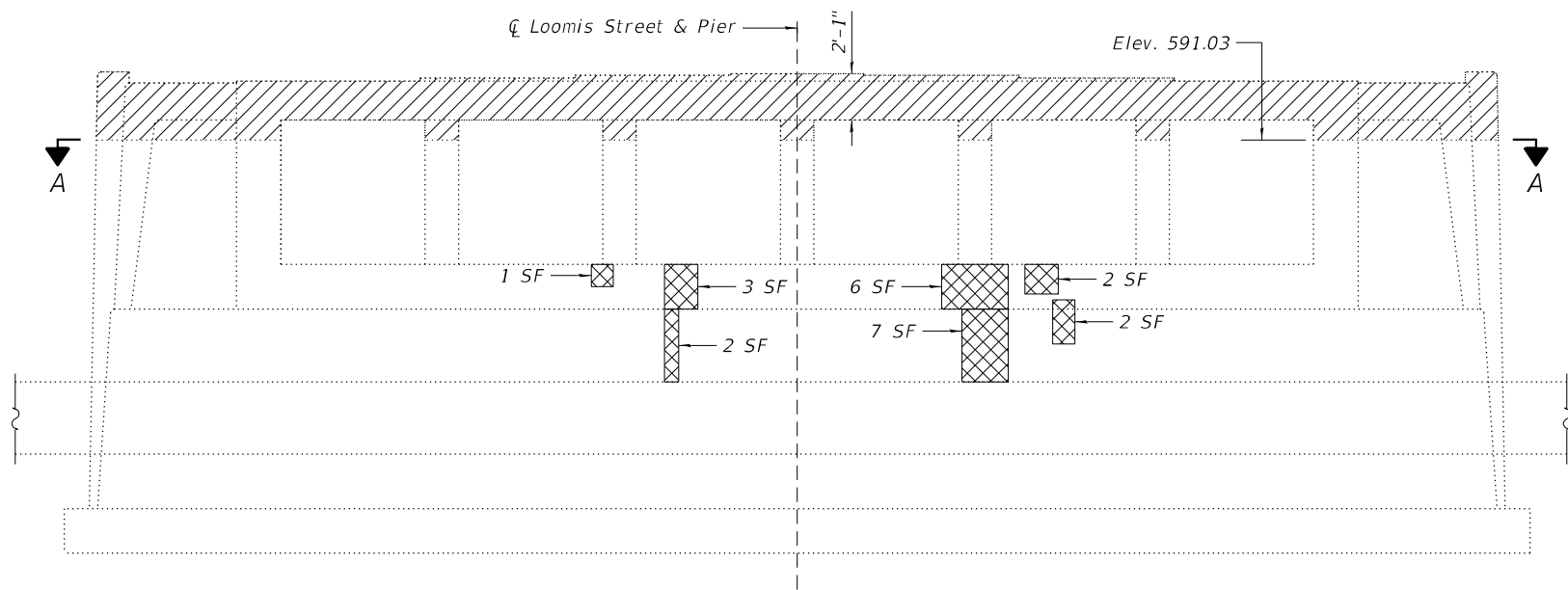
USER NAME =	idot	DESIGNED -	JBZ	REVISED -	
		CHECKED -	PRD	REVISED -	
PLOT SCALE =	NONE	DRAWN -	JBZ	REVISED -	
PLOT DATE =	10/16/2025	CHECKED -	PRD	REVISED -	

MODEL: Default
FILE NAME: W:\191+178_IDOT_205009_1290_Loomis & Racine\CADD_Sheets\62U12_Loomis Street\Structural\0162114-D162U12-535-Wingwall_para_mod.dgn
10/16/2025 5:20:57 PM

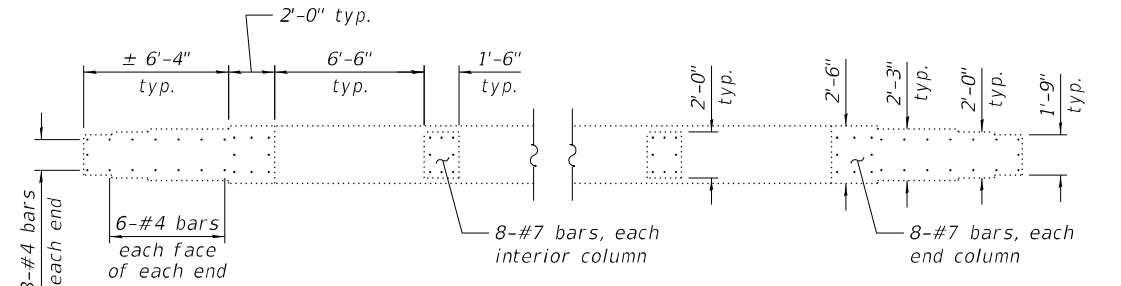
MODEL: Default
FILE NAME: W:\191+178_IDOT_205009_1+290 Loomis & Racine\CADD Sheets\62U12_Loomis Street\Structural\0162114-D-162U12-536-Pier1_rem_repair.dgn



PIER 1 ELEVATION
(Looking South)



PIER 1 ELEVATION
(Looking North)



SECTION A-A
(Showing existing reinforcement bars to remain)

NOTES:

Repairs to the existing pier below the cap shall include but not be limited to the areas shown. The actual areas to be repaired will be determined by the Engineer at the time of construction.

Repairs are to be performed after removal of existing superstructure elements and associated bearings.

Saw cut to maintain smooth finish on exposed concrete faces. Cost included with Concrete Removal.

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

See Sheet S-38 for Pier 1 Cap Modifications.

BILL OF MATERIAL

Item	Unit	Total
Concrete Removal	Cu Yd	12
Epoxy Crack Injection	Foot	6
Graffiti Removal	Sq Yd	49
Structural Repair of Concrete (Depth Equal To Or Less Than 5 Inches)	Sq Ft	31

LEGEND

- Structural Repair of Concrete (Depth Equal To Or Less Than 5 Inches)
- Graffiti Removal
- Concrete Removal
- Epoxy Crack Injection

- LF Linear Feet
- SF Square Feet
- SY Square Yards



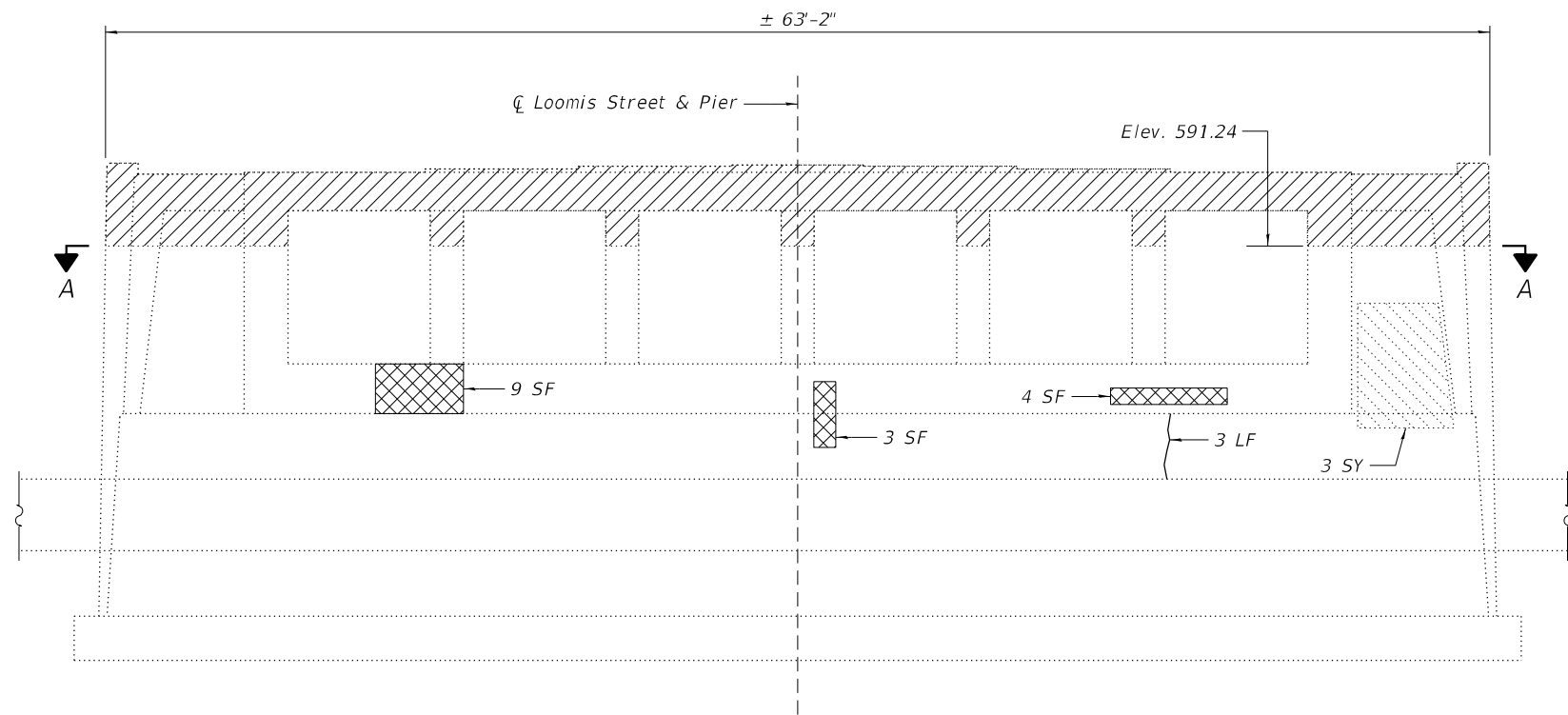
USER NAME =	idot	DESIGNED -	JBZ	REVISED -	
		CHECKED -	PRD	REVISED -	
PLOT SCALE =	NONE	DRAWN -	JBZ	REVISED -	
PLOT DATE =	10/16/2025	CHECKED -	PRD	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

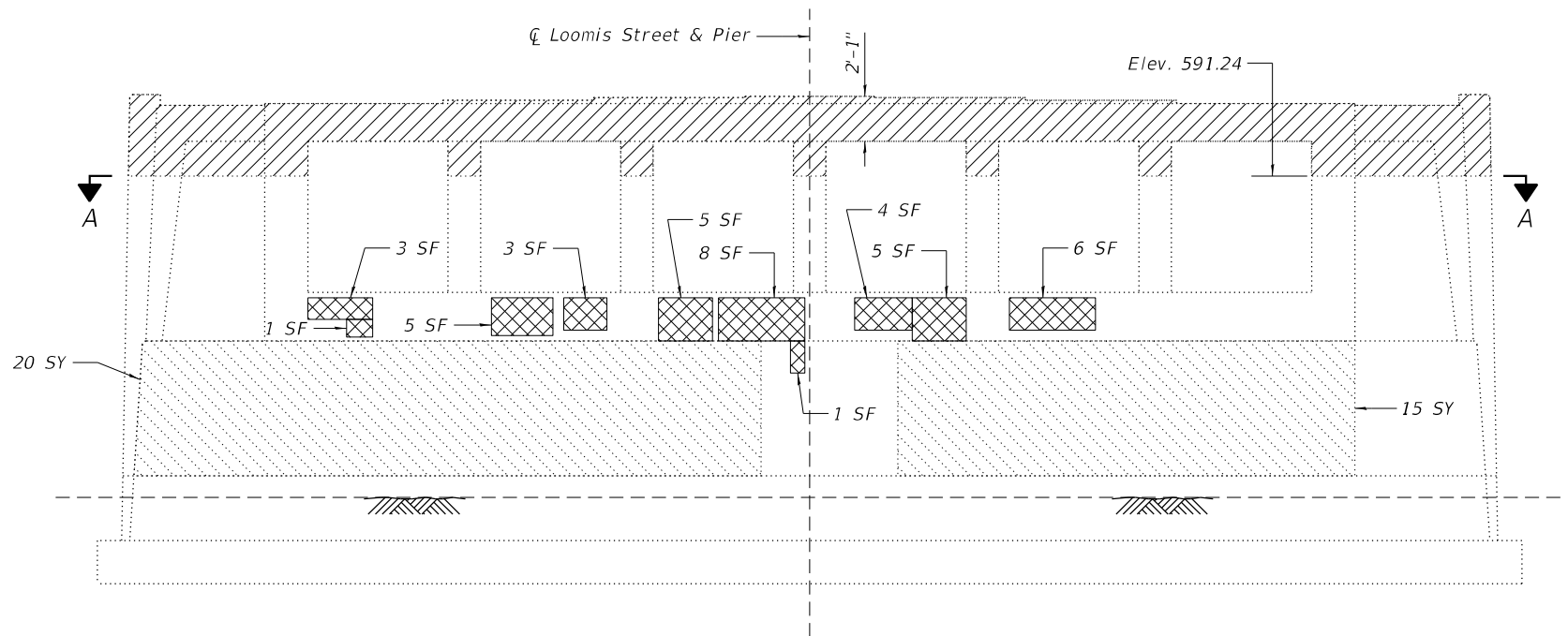
PIER 1 REMOVAL AND REPAIR
STRUCTURE NO. 016-2114

SHEET S-36 OF 38 SHEETS

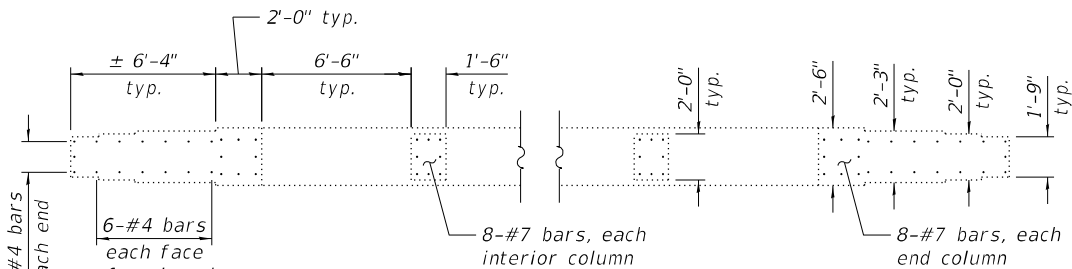
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	FAI 290 22 BRIDGE 3	COOK	161	128
CONTRACT NO. 62U12				
ILLINOIS FED. AID PROJECT				



PIER 2 ELEVATION
(Looking South)



PIER 2 ELEVATION
(Looking North)



SECTION A-A

(Showing existing reinforcement bars to remain)

NOTES:

Repairs to the existing pier below the cap shall include but not be limited to the areas shown. The actual areas to be repaired will be determined by the Engineer at the time of construction.

Repairs are to be performed after removal of existing superstructure elements and associated bearings.

Saw cut to maintain smooth finish on exposed concrete faces. Cost included with Concrete Removal.

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

See Sheet S-38 for Pier 2 Cap Modifications.

BILL OF MATERIAL

Item	Unit	Total
Concrete Removal	Cu Yd	13
Epoxy Crack Injection	Foot	3
Graffiti Removal	Sq Yd	38
Structural Repair of Concrete (Depth Equal To Or Less Than 5 Inches)	Sq Ft	57

LEGEND

Structural Repair of Concrete (Depth Equal To Or Less Than 5 Inches)

Graffiti Removal

Concrete Removal

Epoxy Crack Injection

LF Linear Feet

SF Square Feet

SY Square Yards

MODEL: Default
FILE NAME: W:\191-178_IDOT_205009_1290 Loomis & Racine\CADD Sheets\62U12_Loomis Street\Structural\0162114-D162U12-537-Pier2_rem_repair.dgn



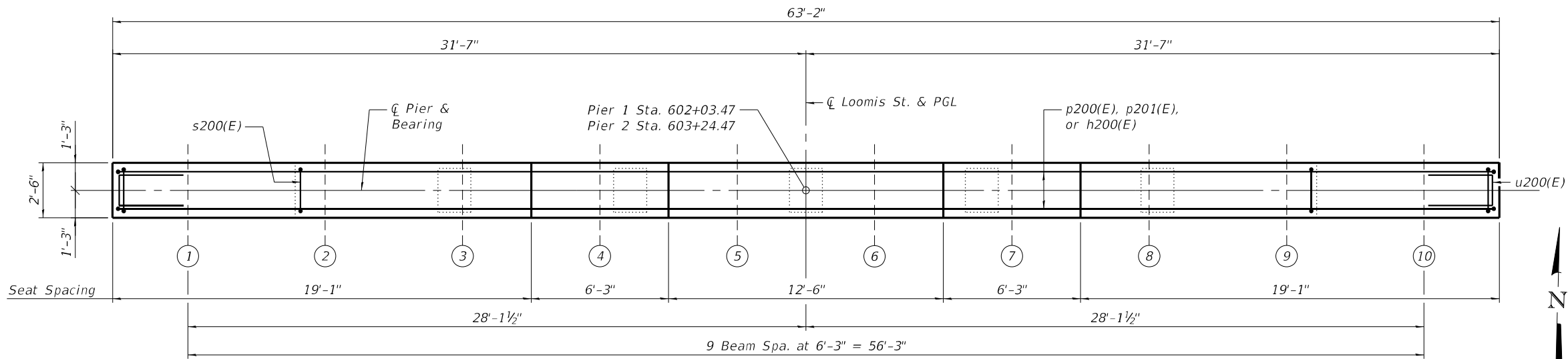
USER NAME =	idot	DESIGNED -	JBZ	REVISED -	
		CHECKED -	PRD	REVISED -	
PLOT SCALE =	NONE	DRAWN -	JBZ	REVISED -	
PLOT DATE =	10/16/2025	CHECKED -	PRD	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

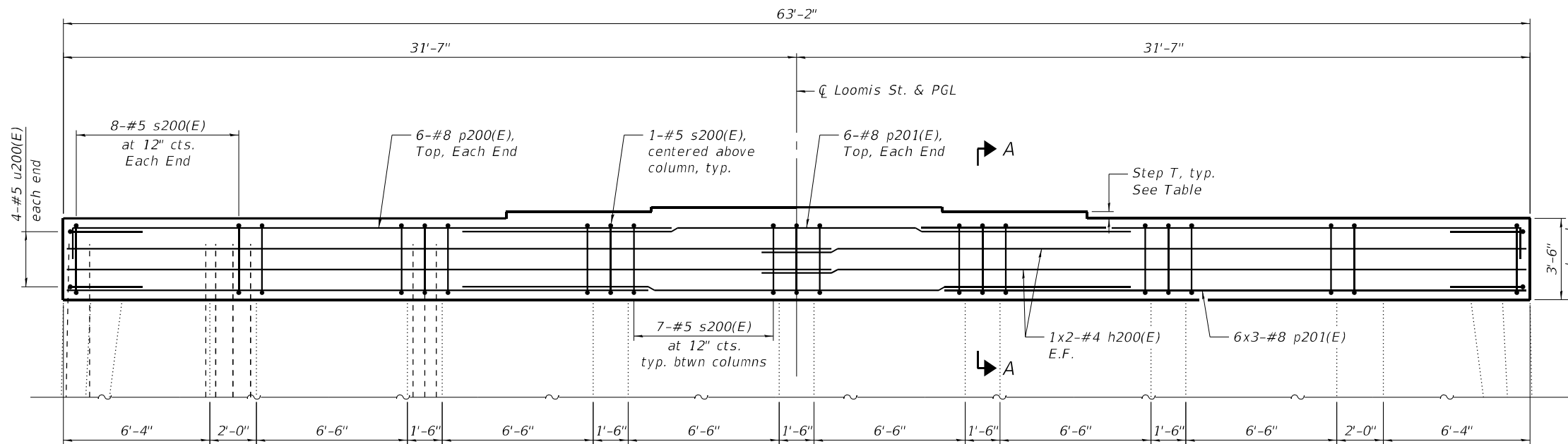
PIER 2 REMOVAL AND REPAIR
STRUCTURE NO. 016-2114

SHEET S-37 OF 38 SHEETS

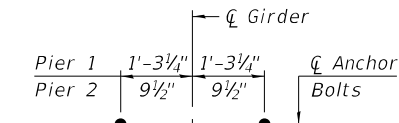
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	FAI 290 22 BRIDGE 3	COOK	161	129
CONTRACT NO. 62U12				
ILLINOIS FED. AID PROJECT				



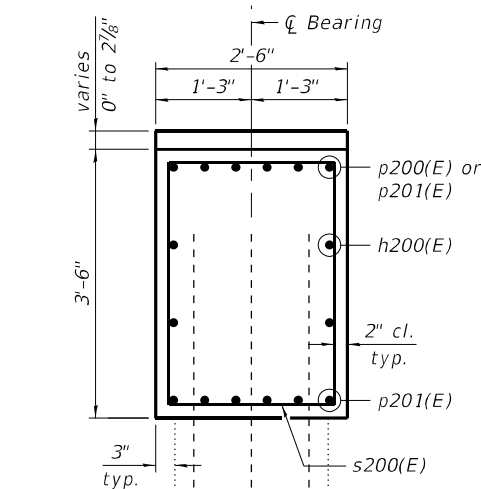
TOP PLAN



ELEVATION
(Looking North)



ANCHOR BOLT LAYOUT



SECTION A-A

MINIMUM BAR LAP
#8 = 8'-11"

TWO PIERS
BILL OF MATERIALS

BAR	NO.	SIZE	LENGTH	SHAPE
h200(E)	16	#4	32'-6"	
p200(E)	24	#8	28'-7"	
p201(E)	48	#8	26'-6"	
s200(E)	126	#5	11'-7"	
u200(E)	16	#5	8'-0"	
Concrete Structures			Cu. Yd.	44.0
Concrete Sealer			Sq. Ft.	1,554
Reinforcement Bars, Epoxy Coated			Pound	7,240

NOTES:

Bars indicated thus 4x2-#7 etc. indicates 4 lines of bars with 2 lengths per line.

See Sheet S-36 for Pier 1 Removal and Repairs.

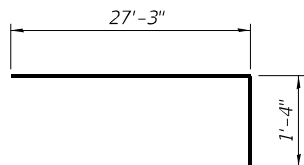
See Sheet S-37 for Pier 2 Removal and Repairs.

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

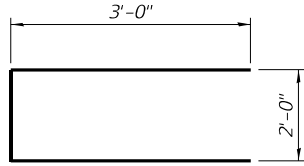
Space reinforcement in cap to miss anchor bolts.

Apply Concrete Sealer to all exposed proposed concrete surfaces of the pier.

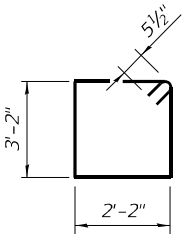
Work zone adjacent to the CTA will be established with Temporary Concrete Barrier, See roadway MOT.



BAR p200(E)



BAR u200(E)



BAR s200(E)

PIER 1
BEARING SEAT
ELEVATIONS

Beam No.	BRG. SEAT ELEVATION	STEP T- inch
1	594.53	
2	594.53	0
3	594.53	1 3/4
4	594.68	1 1/8
5	594.77	0
6	594.77	1 1/8
7	594.68	1 3/4
8	594.53	
9	594.53	0
10	594.53	

PIER 2
BEARING SEAT
ELEVATIONS

Beam No.	BRG. SEAT ELEVATION	STEP T- inch
1	594.74	
2	594.74	0
3	594.74	1 3/4
4	594.89	1 1/8
5	594.98	0
6	594.98	1 1/8
7	594.89	1 3/4
8	594.74	
9	594.74	0
10	594.74	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PIER 1 AND PIER 2 CAP MODIFICATIONS
STRUCTURE NO. 016-2114

SHEET S-38 OF 38 SHEETS

FA.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	FAI 290 22 BRIDGE 3	COOK	161	130
CONTRACT NO. 62U12				
ILLINOIS FED. AID PROJECT				



USER NAME =	idot	DESIGNED -	JBZ	REVISED -	
CHECKED -	PRD	REVISIED -			
PLOT SCALE =	NONE	DRAWN -	JBZ	REVISED -	
PLOT DATE =	10/16/2025	CHECKED -	PRD	REVISED -	

MODEL: Default
FILE NAME: W:\191-178_IDOT_205009_1290 Loomis & Racine\CADD Sheets\62U12_Loomis Street\Structural\0162114-D-162U12-SX2-ExpPlans.dgn
10/16/2025 5:22:53 PM



USER NAME =	ldot	DESIGNED -	TB	REVISED -	
CHECKED -	W.B. Hanson	CHECKED -	PRD	REVISED -	
PLOT SCALE =	NONE	DRAWN -	TB	REVISED -	
PLOT DATE =	10/16/2025	CHECKED -	PRD	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING STRUCTURE PLANS
STRUCTURE NO. 016-2114

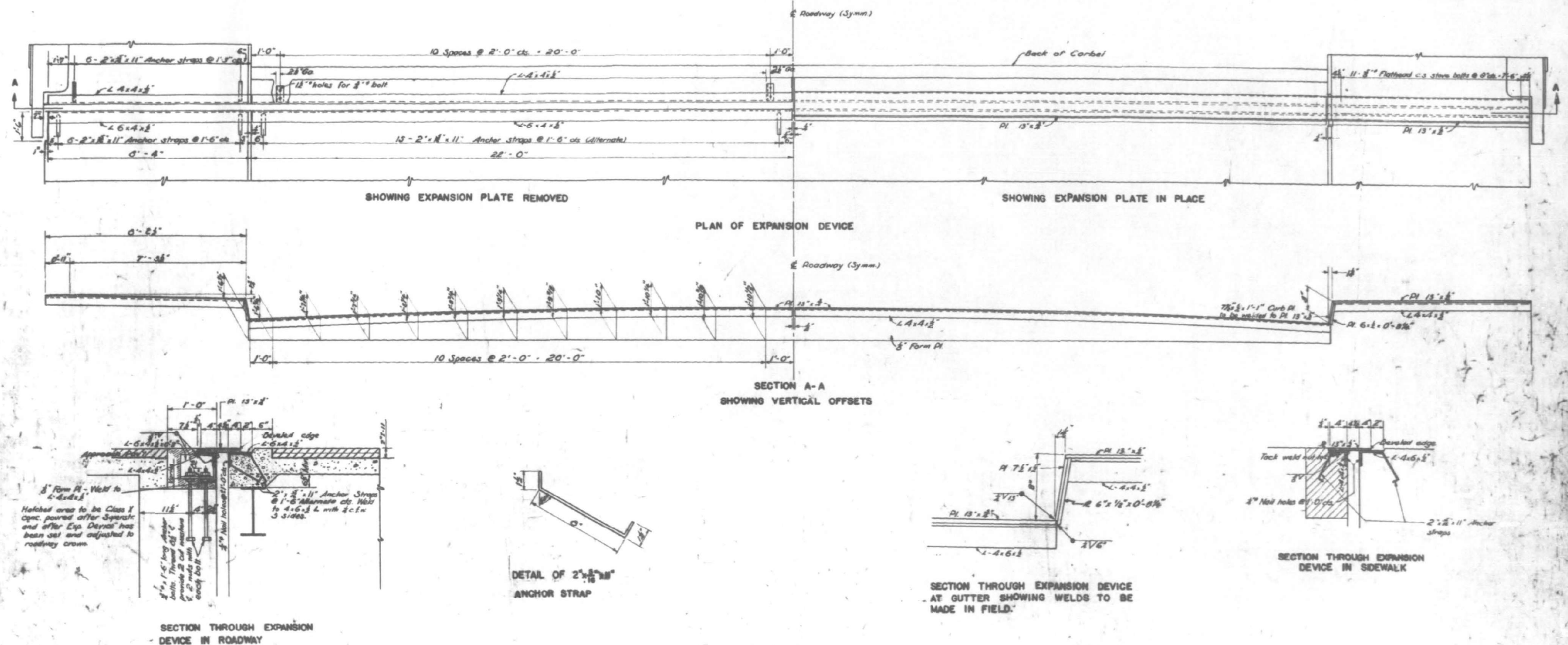
SHEET SX-2 OF 8 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	FAI 290 22 BRIDGE 3	COOK	161	132
CONTRACT NO. 62U12				
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY

STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

ROAD DIST.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO.
RT 131	2-B-1	Cook	23	26	17
SHEET NO. 6					
SHEETS 12					



COMPUTED	W.B. Hanson	EXAMINED	Nov 3 1953
CHECKED	W.B. Hanson	CHIEF OF DESIGN	W.B. Hanson
DRAWN	W.B. Hanson	PASSED	W.B. Hanson
CHECKED	W.B. Hanson	APPROVED	W.B. Hanson

MODEL: Default
FILE NAME: W:\191-178_IDOT_205009_1290 Loomis & Racine\CADD Sheets\62U12_Loomis Street\Structural\0162114-D-162U12-SX-3-ExpPlans.dgn
10/16/2025 5:23:00 PM



USER NAME	=	ldot	DESIGNED	-	TB	REVISED	-	
CHECKED	-	4P8	CHECKED	-	PRD	REVISED	-	
PLOT SCALE	=	NONE	DRAWN	-	TB	REVISED	-	
PLOT DATE	=	10/16/2025	CHECKED	-	PRD	REVISED	-	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING STRUCTURE PLANS
STRUCTURE NO. 016-2114

SHEET SX-3 OF 8 SHEETS

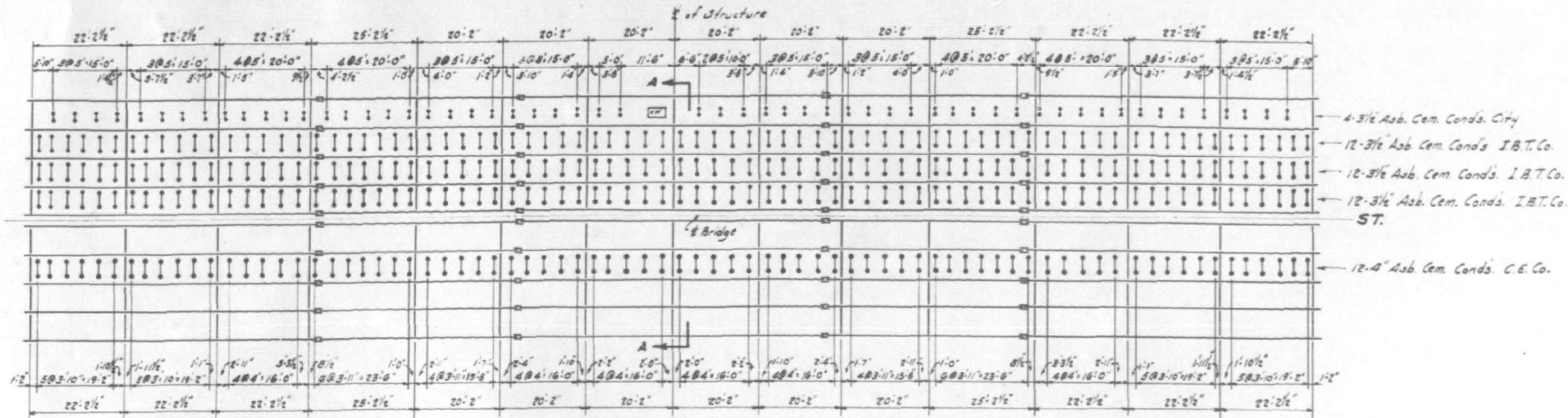
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	FAI 290 22 BRIDGE 3	COOK	161	133
CONTRACT NO. 62U12				
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY

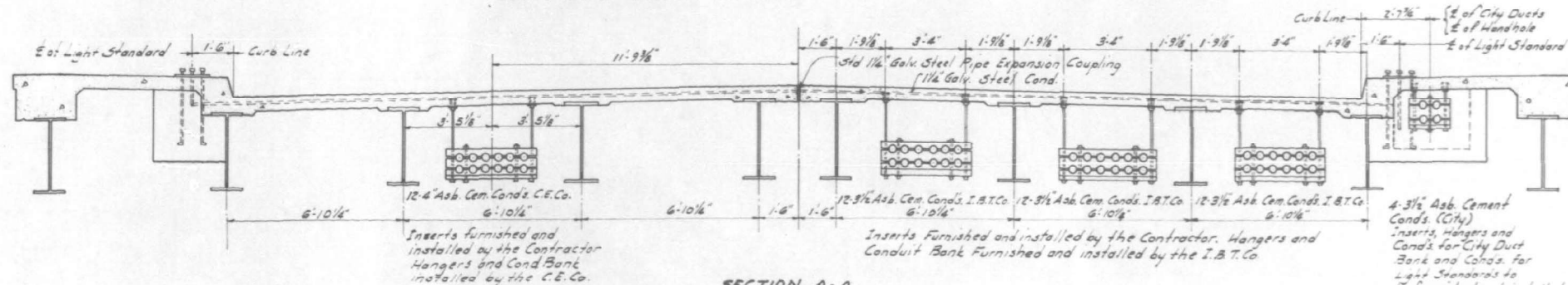
STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 7
131	2F-1	COOK	23	27	12 SHEETS
FED. ROAD DIST. NO. 1					
ILLINOIS FED. AID PROJECT					

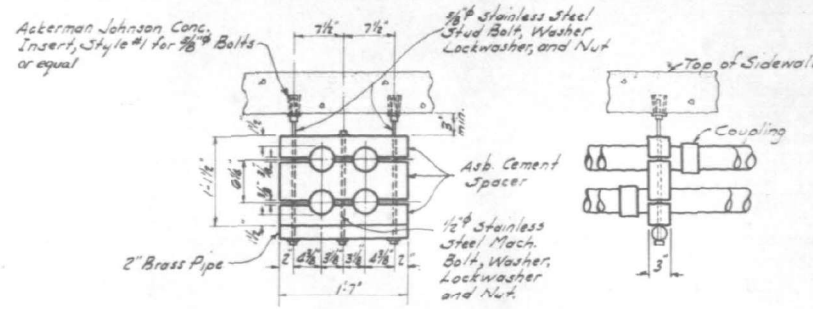
LOOMIS



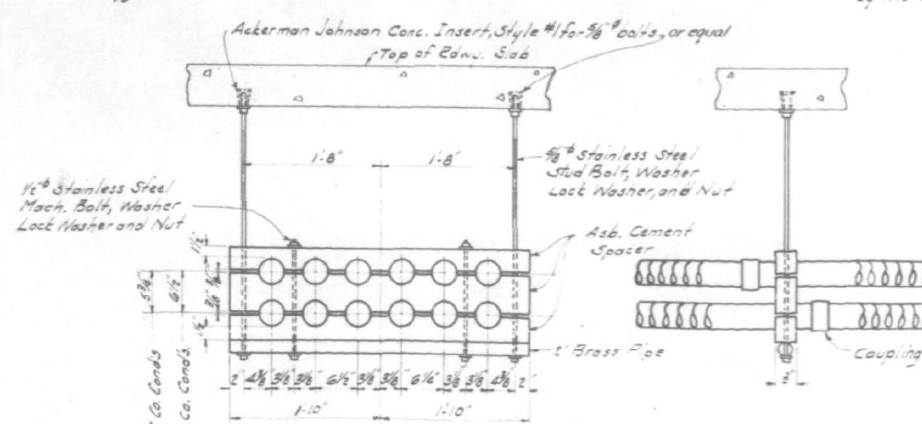
PLAN
LOCATION OF CONDUIT HANGERS



SECTION A-A
Scale 3/8\"/>



DETAIL OF HANGER
FOR CITY CONDUITS



DETAIL OF HANGER
FOR 12 CONDUIT BANKS
Scale 1/2\"/>

1222 Lbs. Fr. of 3\"/>

NOTE: No portion of conduit hangers are to be below bottom of bottom flange of outside beams.

CONDUIT DETAILS
LOOMIS STREET BRIDGE
CONGRESS ST. EXPRESSWAY
PROJECT U1-261(40)
F.A. RTE. 131 SEC. 2-B-1
COOK COUNTY



MODEL: Default
FILE NAME: W:\191-178_IDOT_205009_1290 Loomis & Racine\CADD Sheets\62U12_Loomis Street\Structural\0162114-D-162U12-SX-5-ExPlans.dgn
10/16/2025 5:23:11 PM



USER NAME =	ldot	DESIGNED -	TB	REVISED -	
CHECKED -	Edmund B. Collins (S.A.S)	CHECKED -	PRD	REVISED -	
PLOT SCALE =	NONE	DRAWN -	TB	REVISED -	
PLOT DATE =	10/16/2025	CHECKED -	PRD	REVISED -	

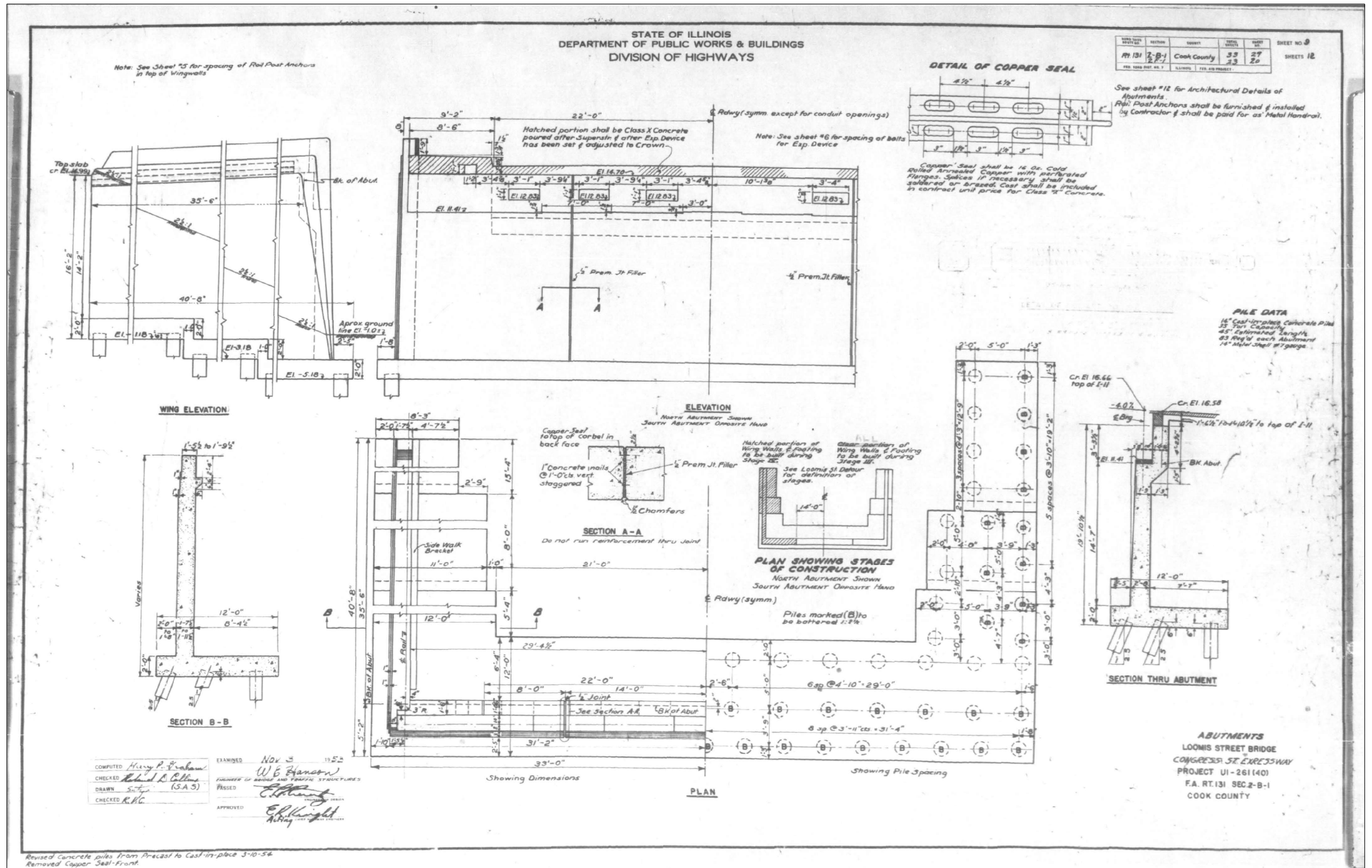
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING STRUCTURE PLANS
STRUCTURE NO. 016-2114

SHEET SX-5 OF 8 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	FAI 290 22 BRIDGE 3	COOK	161	135
CONTRACT NO. 62U12				
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY



MODEL: Default
FILE NAME: W:\191-178_IDOT_205009_1290 Loomis & Racine\CADD Sheets\62U12_Loomis Street\Structural\0162114-D-162U12-SX-6-ExPlans.dgn
10/16/2025 5:23:19 PM



USER NAME =	ldot	DESIGNED -	TB	REVISED -	
CHECKED -	PRD	CHECKED -	PRD	REVISED -	
PLOT SCALE =	NONE	DRAWN -	TB	REVISED -	
PLOT DATE =	10/16/2025	CHECKED -	PRD	REVISED -	

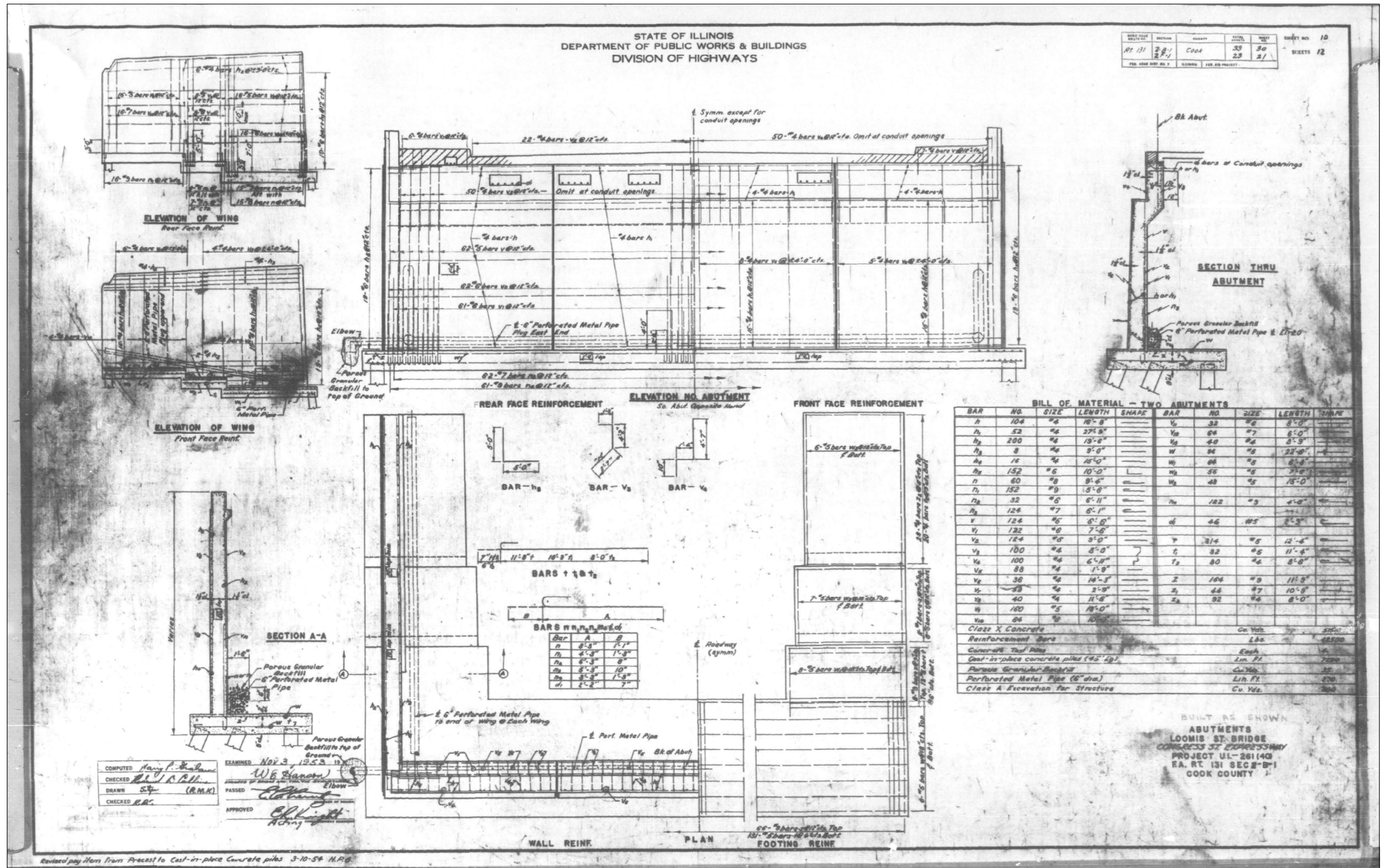
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING STRUCTURE PLANS
STRUCTURE NO. 016-2114

SHEET SX-6 OF 8 SHEETS

FA.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	FAI 290 22 BRIDGE 3	COOK	161	136
CONTRACT NO. 62U12				
ILLINOIS / FED. AID PROJECT				

FOR INFORMATION ONLY



MODEL: Default
FILE NAME: W:\191-178_IDOT_205009_1290 Loomis & Racine\CADD Sheets\62U12_Loomis Street\Structural\0162114-D-162U12-SX7-ExPlans.dgn
10/16/2025 5:23:24 PM



USER NAME =	idot	DESIGNED -	TB	REVISED -	
CHECKED -	PRD	CHECKED -	PRD	REVISED -	
PLOT SCALE =	NONE	DRAWN -	TB	REVISED -	
PLOT DATE =	10/16/2025	CHECKED -	PRD	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING STRUCTURE PLANS
STRUCTURE NO. 016-2114

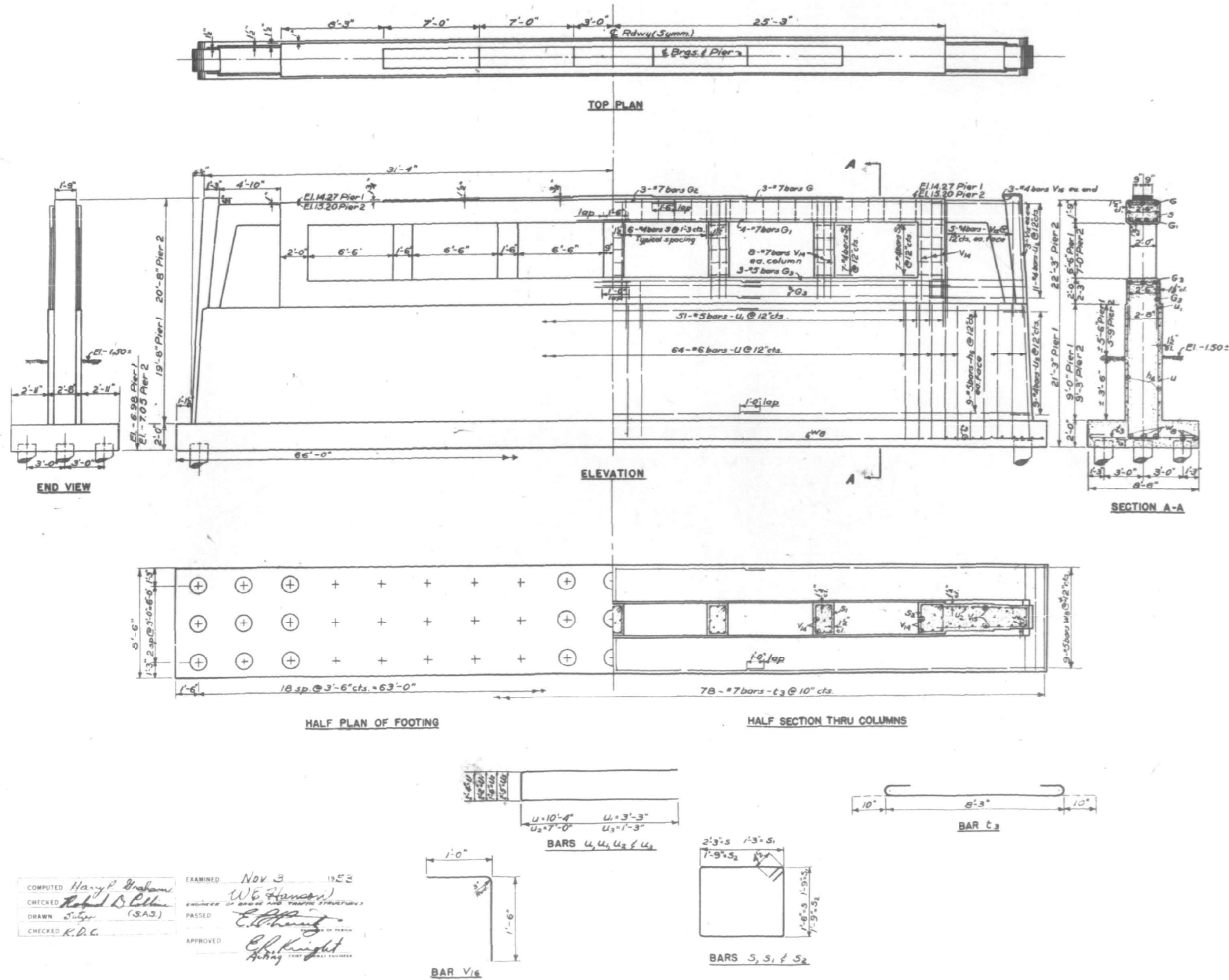
SHEET SX-7 OF 8 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	FAI 290 22 BRIDGE 3	COOK	161	137
CONTRACT NO. 62U12				
ILLINOIS FED. AID PROJECT				

STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO.
FAI 131 2-B-1	Cook Count	33	31	12 SHEETS
FED. AID PROJECT	ILLINOIS	FED. AID PROJECT		

For architectural treatment of piers see sheet No 12



PILE DATA
(Piers 1 & 2)
Crested Piles
20 ton Capacity
30 ft. Est. Length
57 Req'd ea Pier

BILL OF MATERIAL TWO PIERS

Bar	No	Size	Length	Shape
V ₁₁	112	#7	10'-0"	
V ₁₂	52	#4	12'-0"	
V ₁₃	12	#4	2'-6"	
U ₁	108	#5	22'-0"	
U ₂	128	#6	23'-0"	
U ₃	102	#5	8'-8"	
U ₄	44	#4	15'-6"	
U ₅	36	#4	4'-11"	
W ₁	54	#5	22'-6"	
W ₂	156	#7	9'-11"	
G ₁	12	#7	22'-0"	
G ₂	18	#7	26'-0"	
G ₃	6	#7	9'-6"	
G ₄	28	#5	26'-0"	
S ₁	72	#4	8'-3"	
S ₂	70	#4	6'-9"	
S ₃	28	#4	7'-9"	
Class X Concrete			Cu Yds 265.0	
Reinforcement Bars			Lbs 18480	
Crested Piles (20 ton)			Lin Ft. 3420	
Timber Test Piles			Ea 2	
Cl A Excav for Struc.			Cu Yds 360	

PIERS
LOOMIS STREET BRIDGE
CONGRESS ST EXPRESSWAY
PROJECT UI-261 (40)
F.A. RT. 131 SECT 2-B-1
COOK COUNTY

MODEL: Default
FILE NAME: W:\191-178_IDOT_205009_1290 Loomis & Racine\CADD Sheets\62U12_Loomis Street\Structural\0162114-D-162U12-SX-8-ExPlans.dgn
10/16/2025 5:23:30 PM



USER NAME =	ldot	DESIGNED -	TB	REVISED -	
PLOT SCALE =	NONE	CHECKED -	PRD	REVISED -	
PLOT DATE =	10/16/2025	DRAWN -	TB	REVISED -	
		CHECKED -	PRD	REVISED -	

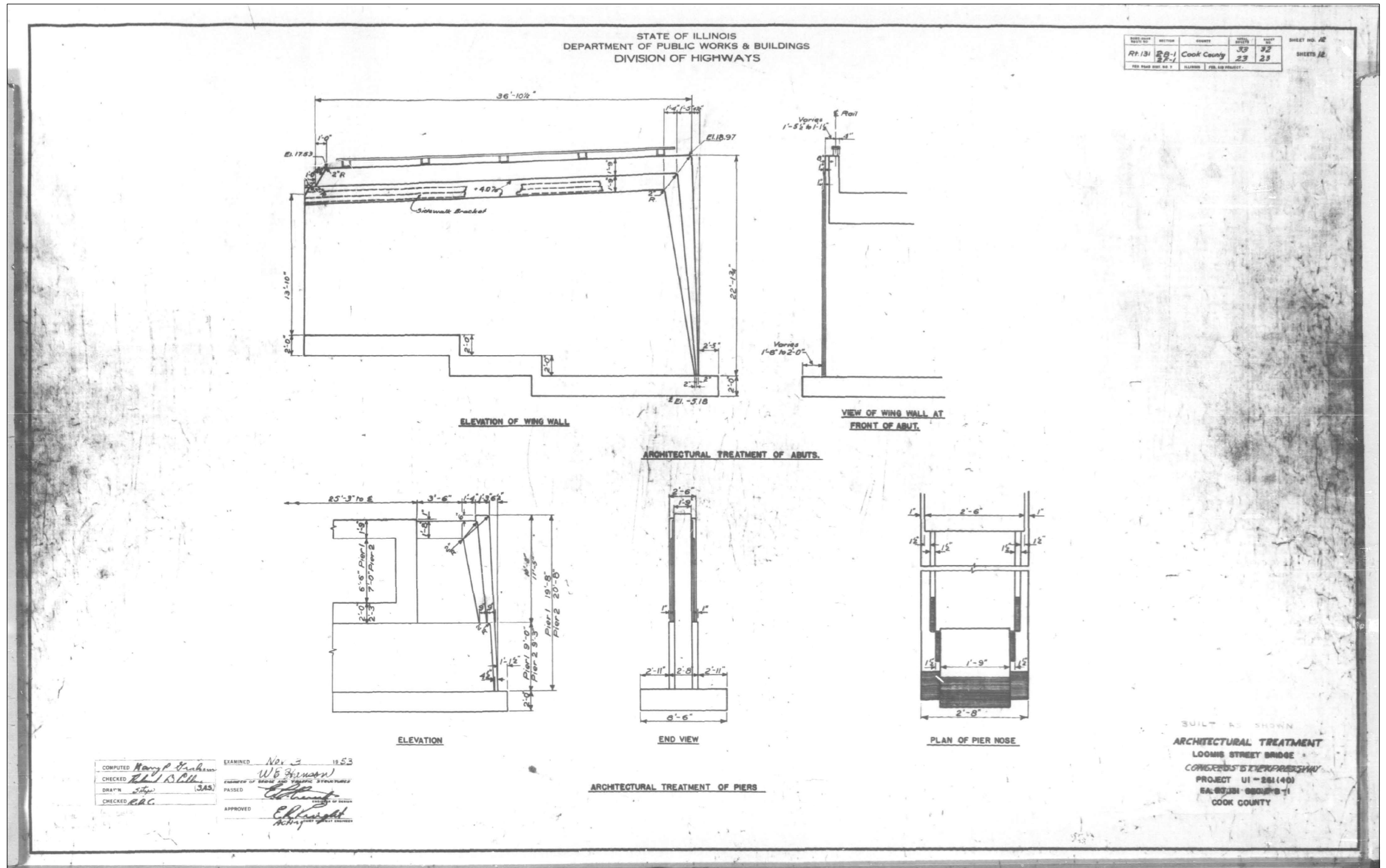
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

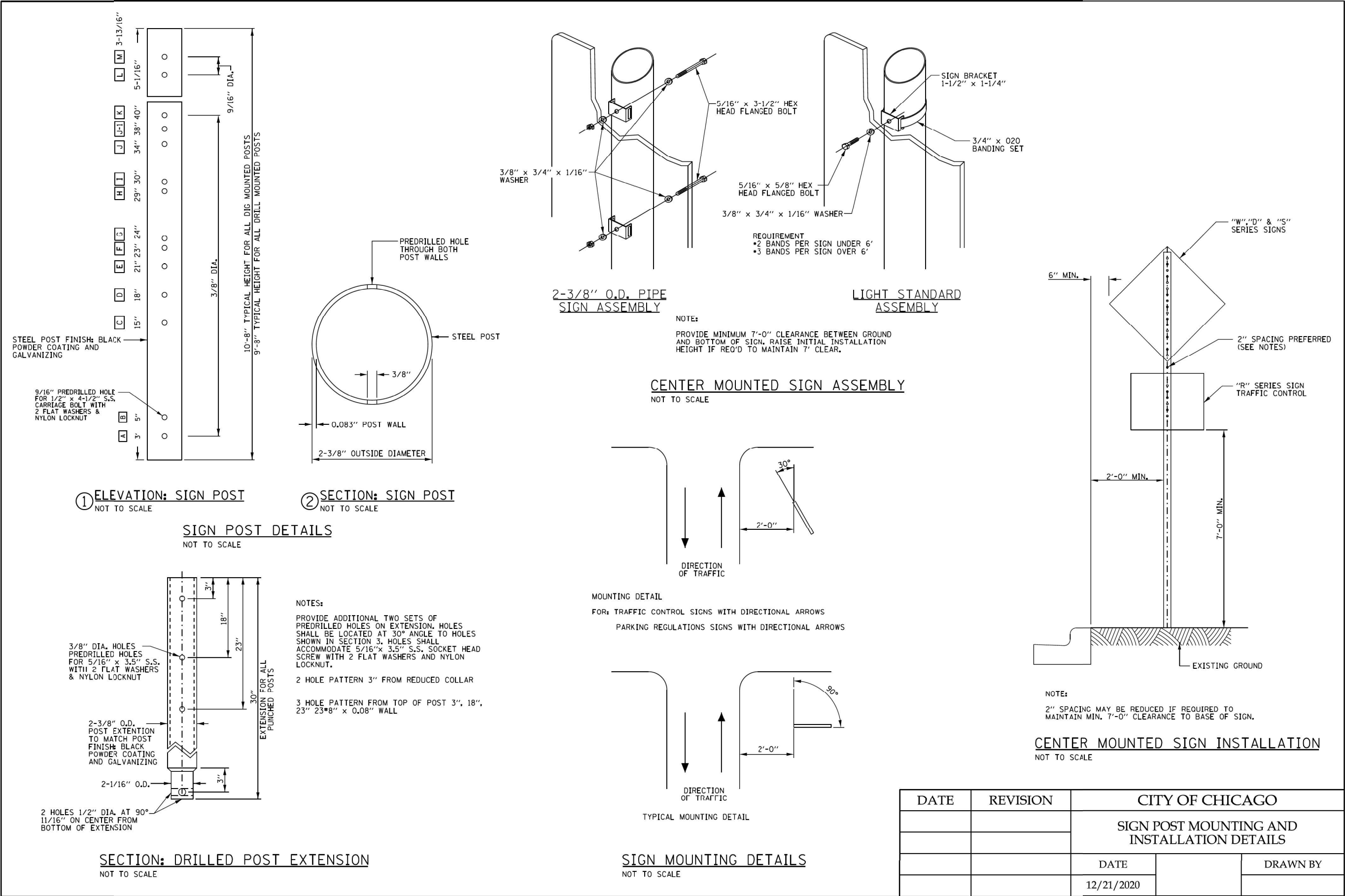
EXISTING STRUCTURE PLANS
STRUCTURE NO. 016-2114

SHEET SX-8 OF 8 SHEETS

FA.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	FAI 290 22 BRIDGE 3	COOK	161	138
CONTRACT NO. 62U12				
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY





MODEL: Default
FILE NAME: Vol_01_178 IDOT_205009-1-290 Loomis & Racine CADD Sheets62U12_01b Chicago Details.dgn



BLA, Inc.
ITASCA, ILLINOIS

USER NAME = jrodriguez	DESIGNED -	REVISED -
DRAWN -	REVISED -	
PLOT SCALE = 2,000' / in.	CHECKED -	REVISED -
PLOT DATE = 10/16/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

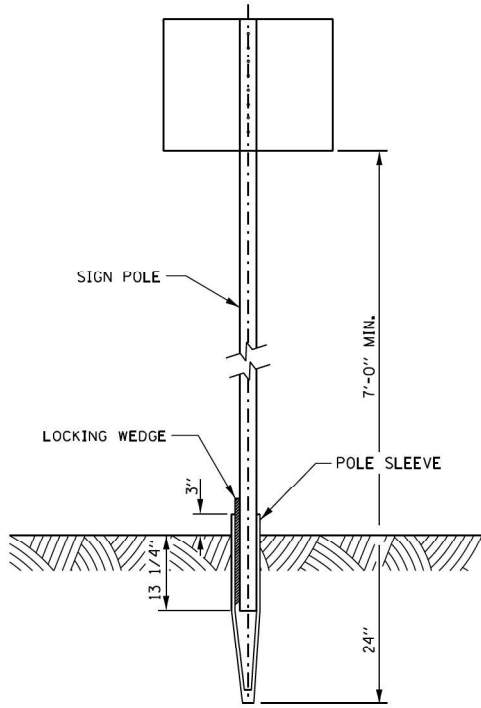
CDOT SIGN DETAIL
LOOMIS STREET OVER I-290 (FAI 290)

SCALE: SHEET OF SHEETS STA. TO STA.

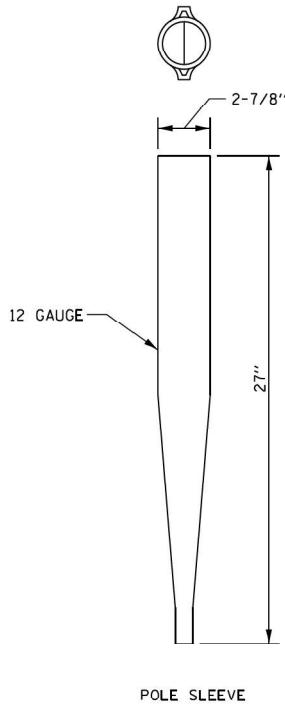
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	FAI 290 22 BRIDGE 3	COOK	161	139
CONTRACT NO. 62U12				
ILLINOIS FED. AID PROJECT				

MODEL Default
FILE NAME: W:\191178 IDOT_205009-1-290 Loomis & Radne\CADD Sheets\62U12 Loomis Street\62U12.dht Chicago Details.dgn

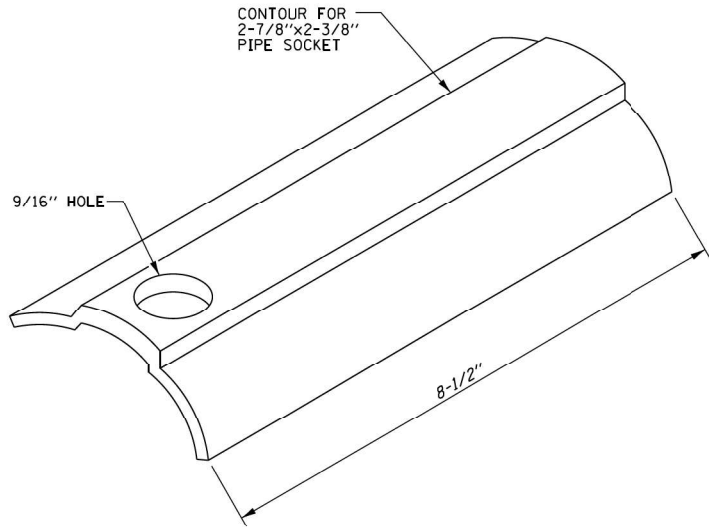
MODEL Default
FILE NAME: S:\2020\201005 - CDOT - Jacobs - CDOT In-House and Support\CADD\CADD Sheets\01-Sign Post Mounting and Installation Details.dgn



GROUND DIG INSTALLATION DETAIL
NOT TO SCALE



POLE SLEEVE



WEDGE

PIPE SOCKET AND WEDGE DETAIL
NOT TO SCALE

DATE		REVISION		CITY OF CHICAGO	
				DIG - SIGN POST MOUNTING AND INSTALLATION DETAILS	
				DATE	DRAWN BY
				12/21/2020	



BLA, Inc.
ITASCA, ILLINOIS

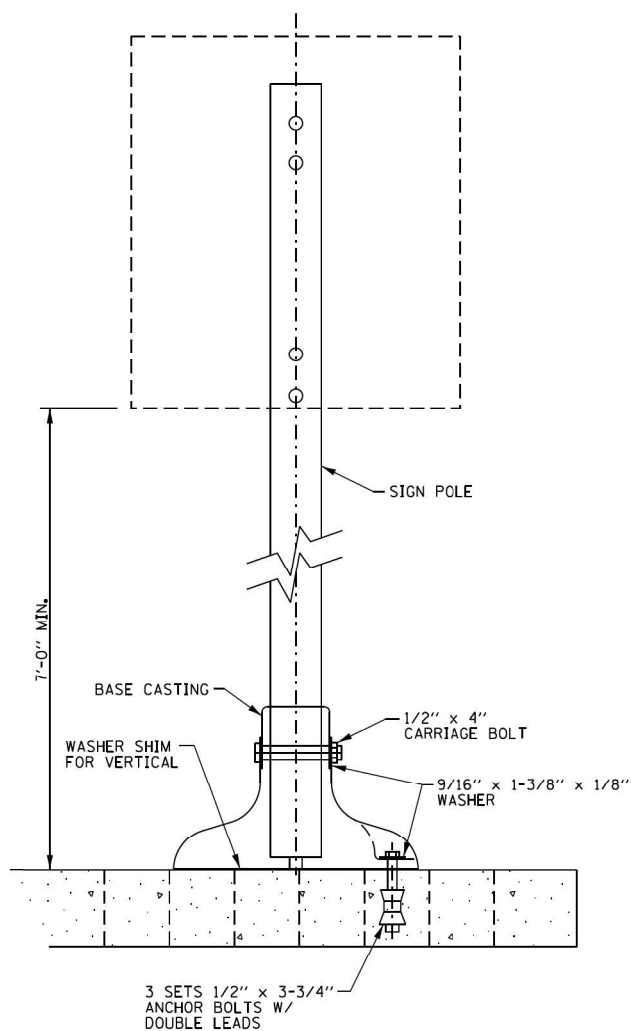
USER NAME = jrodriguez	DESIGNED -	REVISED -
DRAWN -	REVISED -	
PLOT SCALE = 2,0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 10/16/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

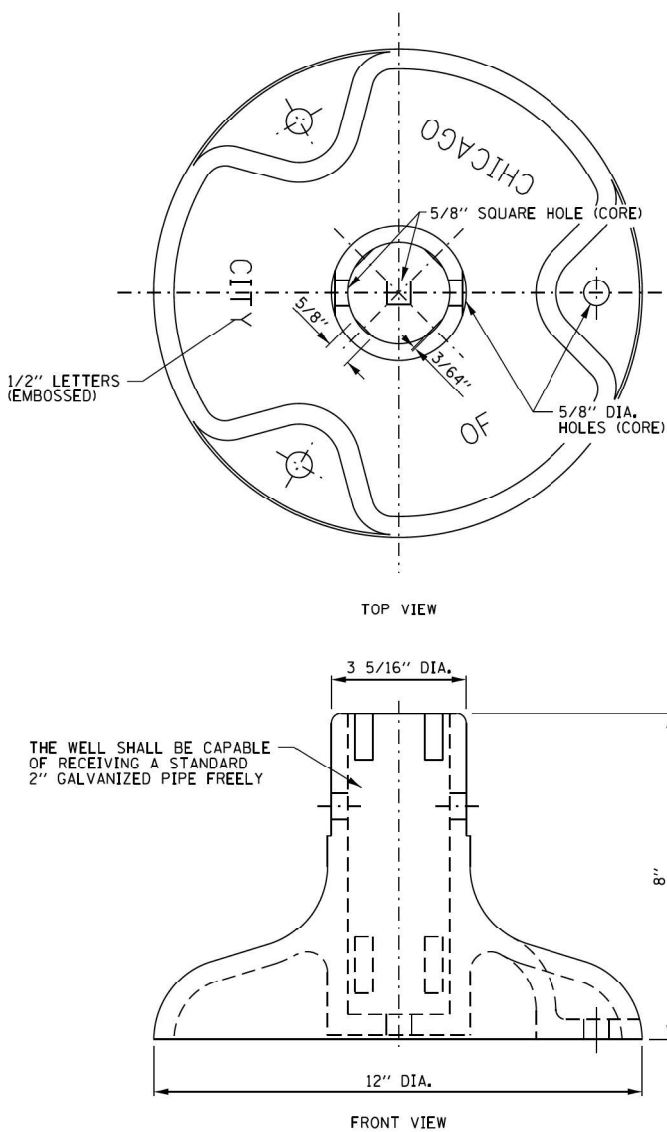
CDOT SIGN DETAIL
LOOMIS STREET OVER I-290 (FAI 290)

SCALE: SHEET OF SHEETS STA. TO STA.

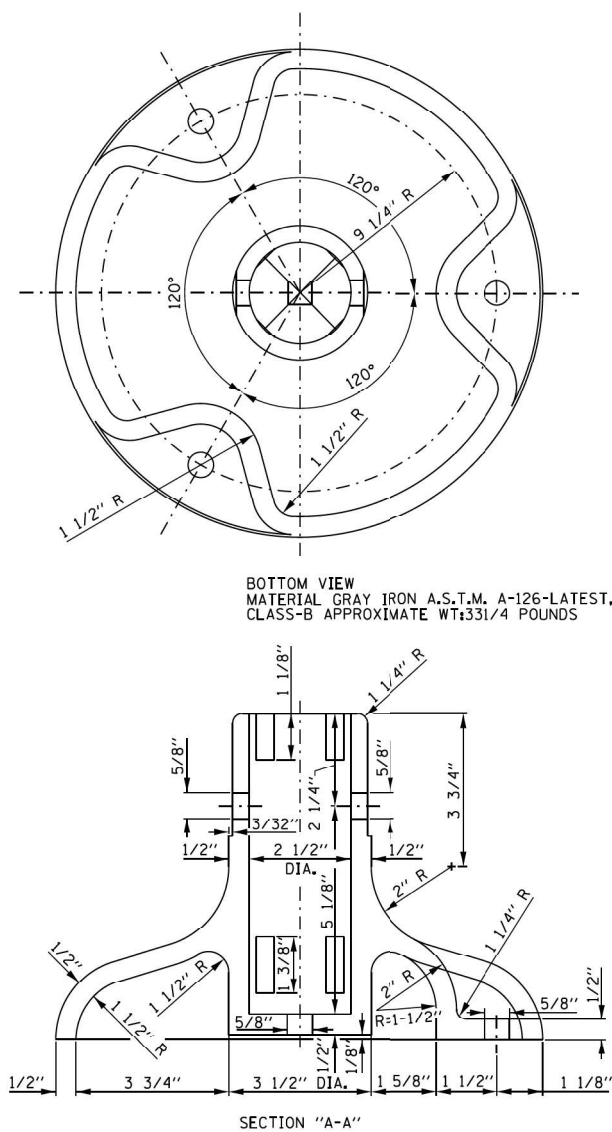
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	FAI 290 22 BRIDGE 3	COOK	161	140
CONTRACT NO. 62U12				
ILLINOIS FED. AID PROJECT				



DRILL MOUNTED INSTALLATION DETAIL
NOT TO SCALE



CITY OF CHICAGO SIGN BASE
NOT TO SCALE



DATE		REVISION		CITY OF CHICAGO		
				DRILL - SIGN POST MOUNTING AND INSTALLATION DETAILS		
				DATE		DRAWN BY
				12/21/2020		

MODEL: Default
FILE NAME: W:\191178 IDOT_205009-1-290 Loomis & Radne\CADD Sheets\62U12 Loomis Street\62U12.dht Chicago Details.dgn

MODEL: Default
FILE NAME: S:\2020\2010065 - CDOT - Jacobs - CDOT In-House and Support\CADD\CADD Sheets\01-Sign Post Mounting and Installation Details.dgn



BLA, Inc.
ITASCA, ILLINOIS

USER NAME = jrodriguez	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 2,000' / in.	CHECKED -	REVISED -
PLOT DATE = 10/16/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CDOT SIGN DETAIL
LOOMIS STREET OVER I-290 (FAI 290)

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	FAI 290 22 BRIDGE 3	COOK	161	141
CONTRACT NO. 62U12				
ILLINOIS FED. AID PROJECT				

NOTE: H = VARIABLE 3" TO 9"
X = THICKNESS OF PAVEMENT
Y = ONE HALF THE THICKNESS OF CONCRETE PAVEMENT OR CONCRETE BASE.
Z = 10" OR THICKNESS OF PAVEMENT - WHICHEVER IS GREATER

[illegible]

1/2"

1" →

6" →

ROTATE BAR SO THIS DIMENSION WILL BE BETWEEN 3" AND 4"

BITUMINOUS

15" →

3 1/2"

2" →

X

Y

DOWEL BARS AT EXPANSION JOINTS 1" ROUND BARS 18" LONG EPOXY COATED

#5 TIE BARS, 30" APART EPOXY COATED

TRANSVERSE JOINTS OF A TYPE SIMILAR TO THAT USED IN THE ADJACENT PAVEMENT SHALL BE INSTALLED IN THE CURB, GUTTER AND COMBINED CURB & GUTTER IN PROLONGATION WITH THE JOINTS IN THE PAVEMENT. THE DETAILS OF THE TRANSVERSE JOINTS IN THE CURB, GUTTER AND COMBINED CURB & GUTTER SHALL BE APPROVED BY THE COMMISSIONER. CURB, GUTTER OR COMBINED CURB & GUTTER IS CONSTRUCTED ADJACENT TO A FLEXIBLE BASE PAVEMENT, 1" THICK EXPANSION JOINTS COMPOSED OF BITUMINOUS PERFORMED JOINT FILLER SHALL BE INSTALLED IN THE CURB AND/OR GUTTER AT POINTS OF CURVATURE AND AT CONSTRUCTION JOINTS. CONTRACTION JOINTS SHALL ALSO BE PLACED BETWEEN THESE EXPANSION JOINTS AT DISTANCES NOT EXCEEDING 20 FEET. ALL TIE BARS SHALL BE DEFORMED-ALL DOWEL BARS SHALL BE SMOOTH.

NOTE: ALL TIE BARS AND DOWEL BARS TO BE EPOXY COATED.

*AT LOCATIONS REQUIRING DEPRESSED CURBS SEE THE ADA STANDARDS FOR CONSTRUCTION DETAILS



DATE	REVISION	CITY OF CHICAGO		
—	—	P.C.C. CURB & GUTTER		
		DATE	SHEET A-2-6	DRAWN BY
		12/12/06		CDOT



USER NAME = jrodriguez	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 2.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 10/16/2025	DATE -	REVISED -

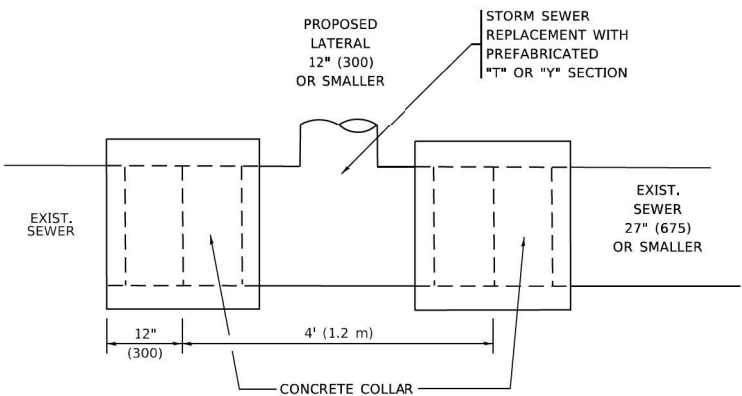
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

**CDOT P.C.C. CURB & GUTTER DETAIL
LOOMIS STREET OVER I-290 (FAI 290)**

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

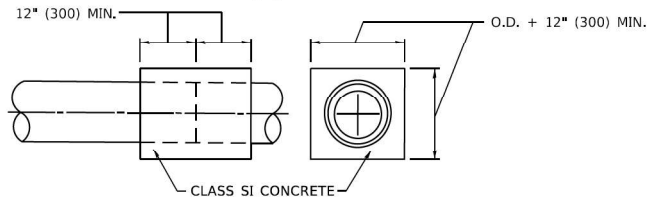
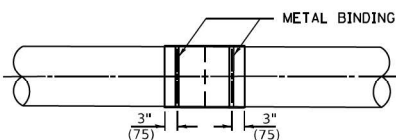
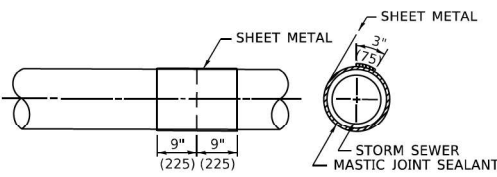
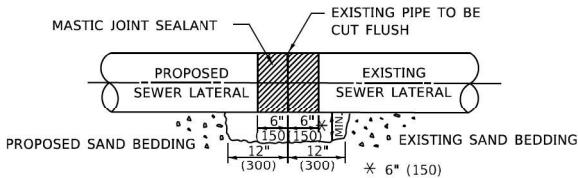
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	FAI 290 22 BRIDGE 3	COOK	161	142
		CONTRACT NO. 62U12		
ILLINOIS		FED. AID PROJECT		

MODEL: Default
FILE NAME: W:\191-178 IDOT 205009 I-290 Loomis & Racine\CADD Sheets\62U12 Loomis Streets\62U12.sht Chicago Details.dgn



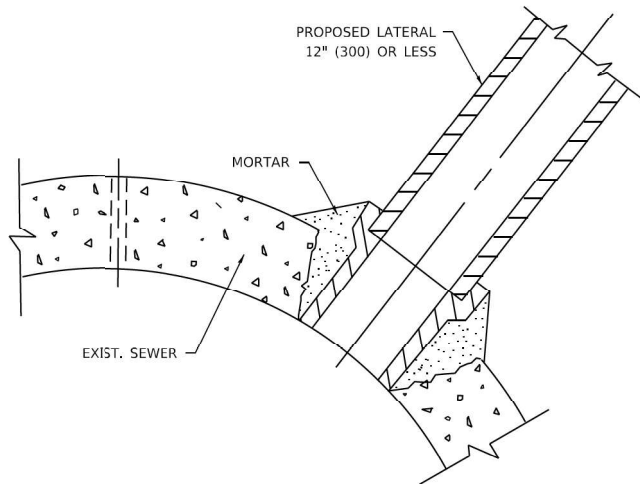
DETAIL "A"

LATERAL CONNECTION TO EXISTING SEWER
OF 27" (675) OR SMALLER



DETAIL "B"

CLASS SI CONCRETE COLLAR



DETAIL "C"

PROPOSED LATERAL
CONNECTION TO EXISTING SEWER
OF 30" (750) OR LARGER

CONSTRUCTION SEQUENCE

1. CUT THE EXISTING END OF THE PIPE SO AS TO PRESENT A FLUSH BUTT JOINT. BRUSH AND CLEAN ALL PIPES.
2. APPLY THE MASTIC JOINT SEALANT TO THE FIRST 6" (150) OF EACH PIPE.
3. BUTT THE PIPES TOGETHER LEAVING A MINIMUM OF 12' x 6' (300 x 150) DEEP EXCAVATION UNDER AND AROUND EACH PIPE END.
4. CUT A PIECE OF SHEET METAL GAGE NO. 19 1.1 (0.0418) 18" (450) WIDE BY THE OUTSIDE CIRCUMFERANCE OF THE PIPE PLUS 3" (75) LONG.
5. WRAP THE SHEET METAL AROUND THE PIPES, 9" (225) ON EACH SIDE OF THE JOINT, STARTING AT THE TOP OF THE PIPE.
6. LAP THE SHEET METAL AT LEAST 3" (75) AT THE TOP OF THE PIPE AND PLACE THE MASTIC JOINT SEALANT BETWEEN THE LAP.
7. PLACE TWO METAL BANDS AROUND THE SHEET METAL AND TIGHTEN.
8. WIPE OFF ANY EXCESS MASTIC JOINT SEALANT THAT OOOZES OUT FROM BETWEEN THE SHEET METAL AND THE PIPES.
9. PLACE CLASS SI CONCRETE AROUND THE JOINT.

NOTES:

MATERIAL

MATERIAL USED FOR THE TEE OR WYE SECTION SHALL BE COMPATIBLE WITH THE EXISTING STORM SEWER OR THE PROPOSED STORM SEWER.

CONSTRUCTION METHODS

- I. THIS WORK SHALL BE CONSTRUCTED IN CONFORMANCE WITH THE APPLICABLE PORTIONS OF SECTION 550 OF THE STANDARD SPECIFICATIONS.
- II. CONNECTION TO AN EXISTING STORM SEWER SHALL BE BY EITHER OF THE FOLLOWING METHODS:
 - A) PROPOSED STORM SEWER CONNECTION TO EXISTING SEWER OF 27" (675) OR SMALLER SEE DETAIL "A" AND "B".
 - B) PROPOSED STORM SEWER CONNECTION TO EXISTING SEWER OF 30" (750) OR LARGER SEE DETAIL "C".

IF THE EXISTING SEWER PIPE IS CRACKED, BROKEN OR OTHERWISE DAMAGED BY THE CONTRACTOR IN MAKING THE CIRCULAR OPENING, THE CONTRACTOR SHALL REPLACE THAT SECTION OF PIPE WITH PIPE EQUAL AND SIMILAR IN ALL RESPECTS TO THE PIPE IN THE EXISTING SEWER, IN A CAREFUL WORKMANLIKE MANNER, WITHOUT EXTRA COMPENSATION.

GENERAL

1. CARE MUST BE TAKEN TO PREVENT DEBRIS FROM ENTERING THE SEWER. ALL DEBRIS WHICH ENTERS THE SEWER MUST BE REMOVED. THE SEWER MUST BE LEFT CLEAN AND UNOBSTRUCTED UPON COMPLETION OF THE CONTRACT.
2. CARE MUST BE TAKEN TO PREVENT ANY PART OF THE NEW PIPE CONNECTION FROM PROJECTING INTO THE EXISTING SEWER.

BASIS OF PAYMENT

1. TEE OR WYE CONNECTIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR STORM SEWER TEE OR WYE OF THE TYPE AND SIZE SPECIFIED IN THE PLANS, THIS PRICE SHALL INCLUDE ALL EXCAVATION OF THE TRENCH, REMOVAL OF THE EXISTING STORM SEWER, FURNISHING AND INSTALLING THE SPECIFIED TEE OR WYE SECTION, FURNISHING AND INSTALLING THE REQUIRED CONCRETE COLLAR, AND ALL OTHER MATERIAL NECESSARY TO COMPLETE THIS WORK AS SHOWN AND SPECIFIED.
2. REMOVAL AND REINSTALLATION OF EXISTING STORM SEWER ADJACENT TO THE PROPOSED TEE OR WYE SECTION, FOR THE PURPOSE OF FACILITATING THE INSTALLATION OF THE TEE OR WYE SECTION, WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE WORK.
3. TRENCH BACKFILL, EXCAVATION IN ROCK AND REMOVAL AND REPLACEMENT OF UNSUITABLE MATERIAL BELOW PLAN BEDDING GRADE WILL BE PAID FOR SEPARATELY.
4. CONCRETE COLLAR FOR CONNECTING A PROPOSED STORM SEWER TO AN EXISTING STORM SEWER WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE PROPOSED STORM SEWER.

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



BLA, Inc.
ITASCA, ILLINOIS

USER NAME = Lawrence,DeManche
PLOT SCALE = 100.0000 ' / 1in.
PLOT DATE = 11/18/2022

DESIGNED - M. DE YONG
DRAWN -
CHECKED -
DATE - 07-25-90

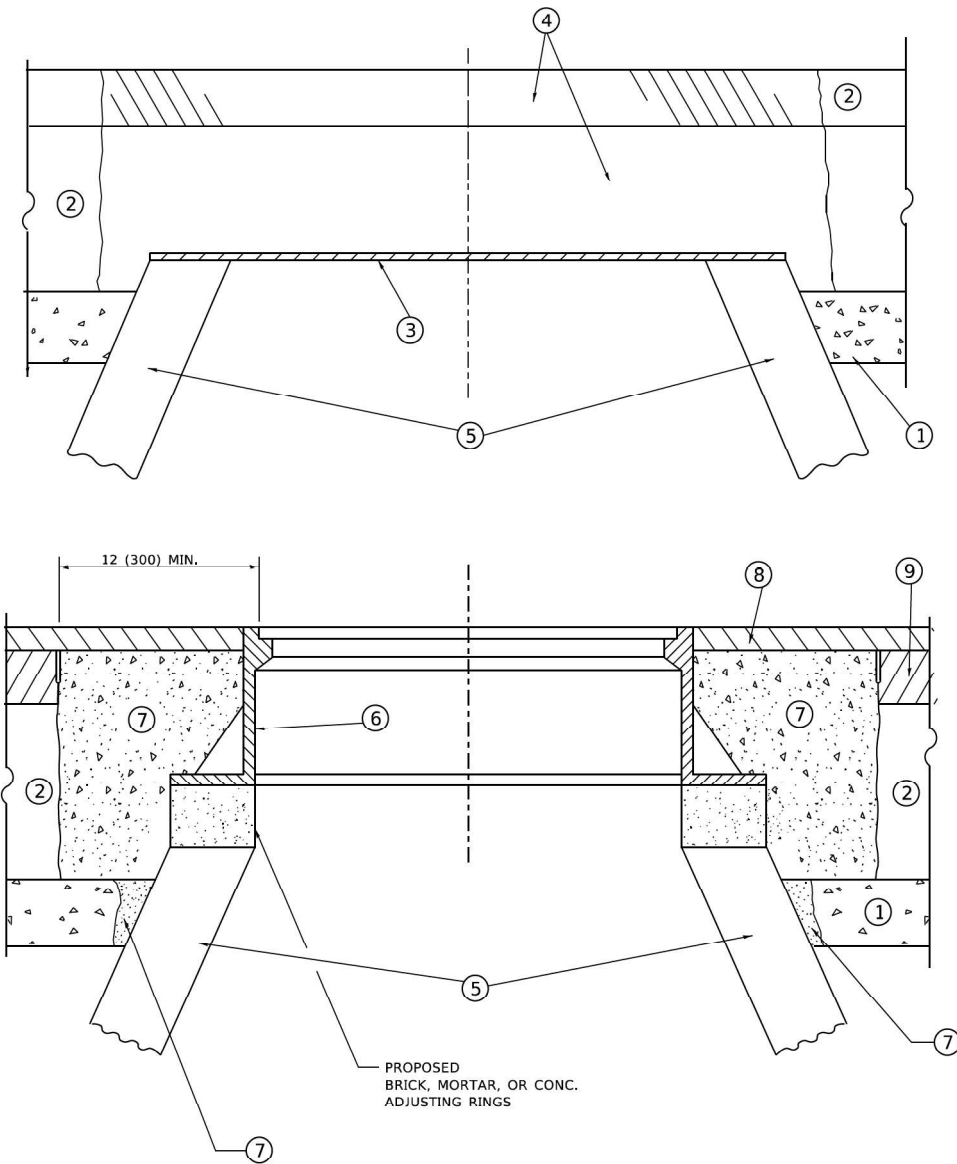
REVISED - R. SHAH 09-09-94
REVISED - R. SHAH 10-25-94
REVISED - R. SHAH 06-12-96
REVISED - K. SMITH 11-18-22

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DETAIL OF STORM SEWER
CONNECTION TO EXISTING SEWER**

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	FAI 290 22 BRIDGE 3	COOK	161	143
BD500-01 (BD-07)		CONTRACT NO. 62U12		
ILLINOIS		FED. AID PROJECT		



**DETAILS FOR FRAMES AND LIDS ADJUSTMENT
WITH MILLING**

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.
- THE CONTRACTOR SHALL REMOVE ALL TRAFFIC CONTROL DEVICES BY THE END OF EACH WORK SHIFT.

CONSTRUCTION PROCEDURES

STAGE 1 (BEFORE PAVEMENT MILLING)

- REMOVE A MINIMUM OF 12 (300) OF THE PAVEMENT FROM AROUND THE STRUCTURE.
- REMOVE THE EXISTING FRAME AND LID FROM THE STRUCTURE.
- COVER THE STRUCTURE OPENING WITH A 36 (900) DIAMETER METAL PLATE.
- BACKFILL WITH CRUSHED STONE AND HMA SURFACE MIX APPROVED BY THE ENGINEER. (MIN. 3 (80) HMA TO REMAIN AFTER MILLING).

STAGE 2 (AFTER PAVEMENT MILLING)

- REMOVE THE HMA SURFACE MIX AND CRUSHED STONE.
- INSTALL THE FRAME AND LID; ADJUST THE FRAME TO ITS FINAL SURFACE ELEVATION.
- THE SURROUNDING SPACE SHALL BE FILLED WITH CLASS PP-2* 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 | ⑥ FRAME AND LID (SEE NOTES) |
| ② EXISTING PAVEMENT | ⑦ CLASS PP-2* CONCRETE |
| ③ 36 (900) DIAMETER METAL PLATE | ⑧ PROPOSED HMA SURFACE COURSE |
| ④ PROPOSED CRUSHED STONE AND HMA SURFACE MIX | ⑨ PROPOSED HMA BINDER COURSE |
| ⑤ EXISTING STRUCTURE | |

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.
- 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.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN



USER NAME = Lawrence,DeManche	DESIGNED - R. SHAH	REVISED - R. BORO 03-09-11
	DRAWN -	REVISED - R. BORO 12-06-11
PLOT SCALE = 100.0000 ' / 1in.	CHECKED -	REVISED - K. SMITH 11-18-22
PLOT DATE = 9/15/2023	DATE - 10-25-94	REVISED - K. SMITH 09-15-23

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DETAILS FOR
FRAMES AND LIDS ADJUSTMENT WITH MILLING**

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	FAI 290 22 BRIDGE 3	COOK	161	144
BD600-03 (BD-08)		CONTRACT NO. 62U12		
ILLINOIS		FED. AID PROJECT		

REFER TO SECTION 442 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND THE RECURRING SPECIAL PROVISION "PATCHING WITH HOT-MIX ASPHALT OVERLAY REMOVAL."

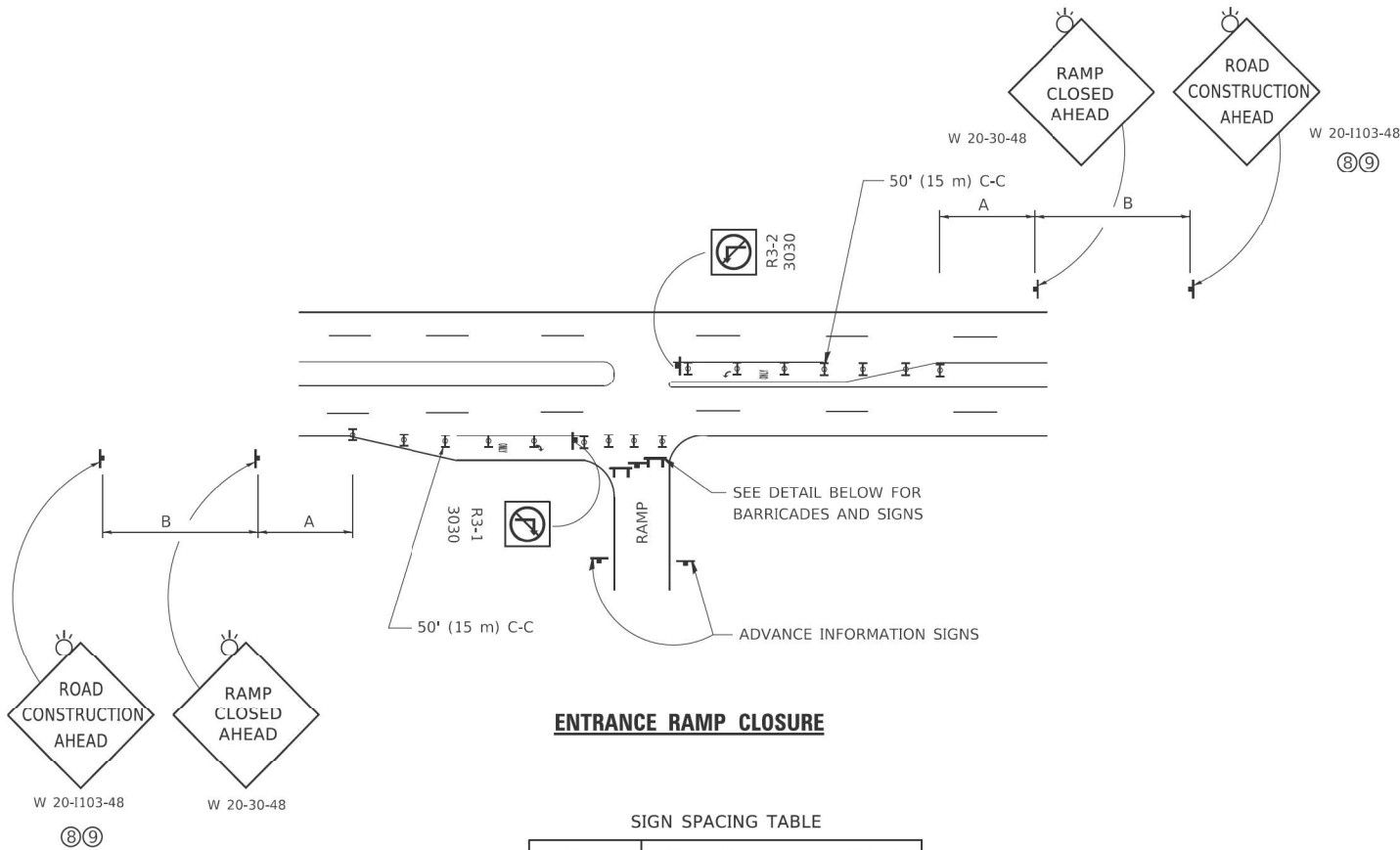
1. REFER TO SECTION 442 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND THE RECURRING SPECIAL PROVISION "PATCHING WITH HOT-MIX ASPHALT OVERLAY REMOVAL."
2. SAW CUT/SCORING OF EXISTING HMA OVERLAY IS INCLUDED IN THE COST OF PAVEMENT PATCHING.
3. SAW CUT/SCORING OF EXISTING PAVEMENT IS INCLUDED IN THE COST OF PAVEMENT PATCHING.



1. REMOVE THE EXISTING HMA MATERIAL OVER THE AREA TO BE PATCHED.
2. REMOVE AND REPLACE WITH CLASS C OR D PATCH.
3. REPLACE HMA MATERIAL OVER THE AREA TO BE PATCHED.

1. MILL HMA FIRST IF THERE IS AT LEAST 4½ INCHES OR MORE OF HMA MATERIAL ON TOP OF THE EXISTING PAVEMENT OR IF THE PAVEMENT IS FULL DEPTH HMA. A MINIMUM OF 2 INCHES OF HMA MATERIAL SHALL BE IN PLACE AFTER MILLING.
2. REMOVE AND REPLACE WITH FULL DEPTH CLASS D PATCHES TO TOP OF MILLED SURFACE.

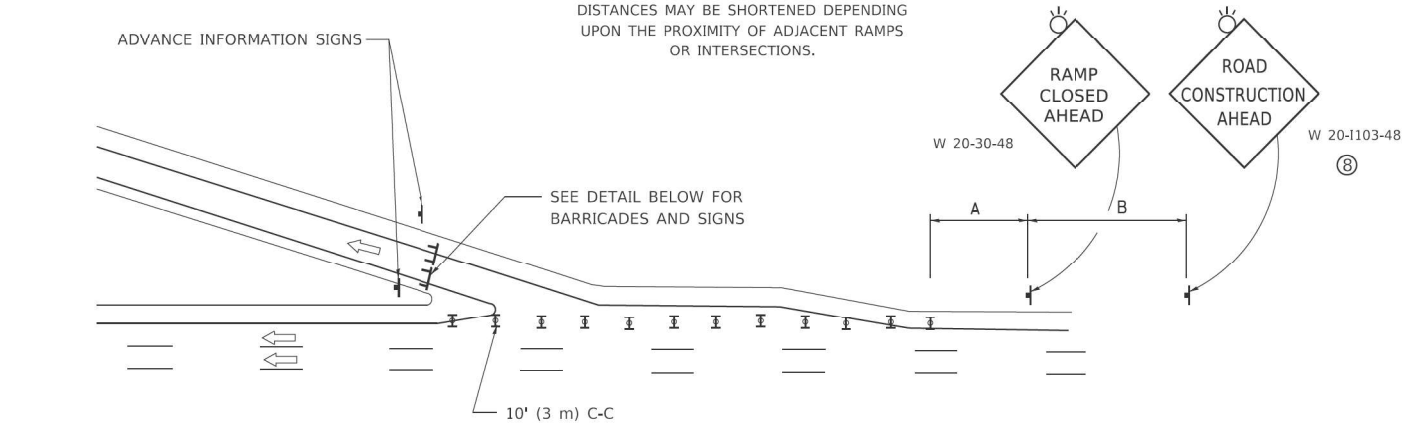
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.



ENTRANCE RAMP CLOSURE

FACILITY	DISTANCE BETWEEN SIGNS	
	A	B
EXPRESSWAY >24 HOURS	1000' (300 m)	1500' (450 m)
EXPRESSWAY ≤24 HOURS	500' (150 m)	500' (150 m)
ARTERIAL 55 MPH	500' (150 m)	500' (150 m)
ARTERIAL 50-45 MPH	350' (100 m)	350' (100 m)
ARTERIAL <45 MPH	200' (60 m)	200' (60 m)

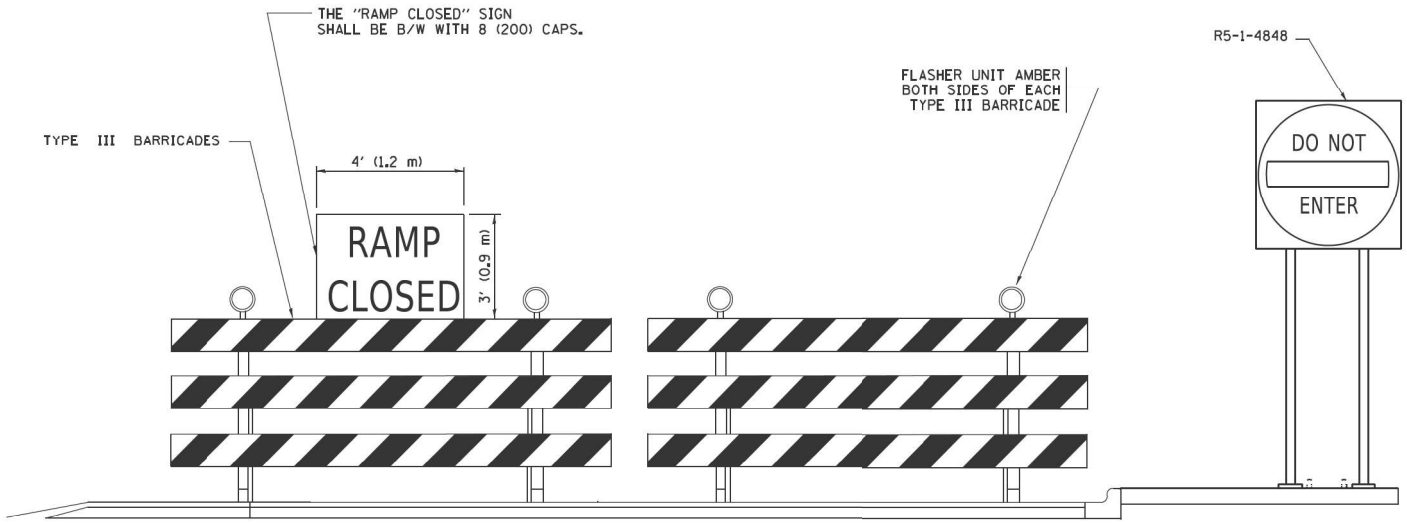
DISTANCES MAY BE SHORTENED DEPENDING UPON THE PROXIMITY OF ADJACENT RAMPS OR INTERSECTIONS.



EXIT RAMP CLOSURE

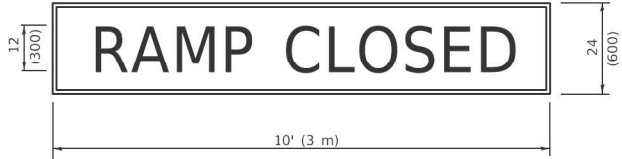
SYMBOLS

- TYPE II BARRICADE OR DRUM
- TYPE III BARRICADE WITH 2 FLASHING LIGHTS



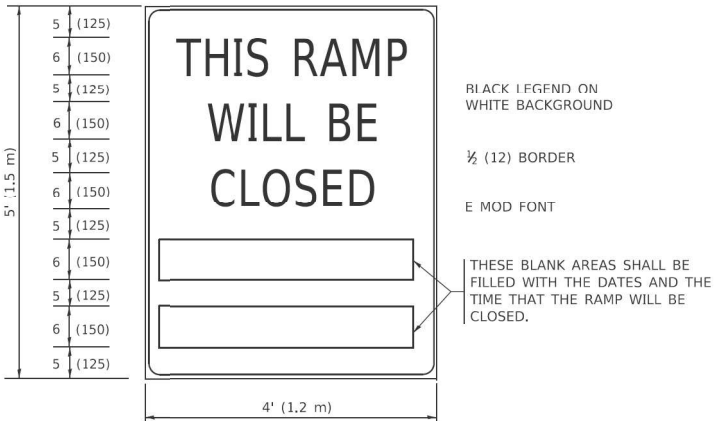
DETAIL FOR REQUIRED BARRICADES & SIGNS

RAMP CLOSURE ADVANCE WARNING SIGN



BLACK LEGEND ON ORANGE BACKGROUND MOUNTED DIAGONALLY
E MOD FONT
1 (25) BORDER
THESE SIGNS ARE REQUIRED ON ALL THE EXIT GUIDE SIGNS FOR EXIT RAMPS THAT WILL BE CLOSED FOR MORE THAN FOUR (4) CONSECUTIVE DAYS.

RAMP CLOSURE ADVANCE INFORMATION SIGN



THESE SIGNS ARE REQUIRED ON BOTH SIDES OF THE RAMP, MINIMUM OF 1 WEEK IN ADVANCE OF THE CLOSURE.
THESE SIGNS SHALL BE FABRICATED AND PAID FOR ACCORDING TO THE TEMPORARY INFORMATION SIGNING SPECIAL PROVISION

GENERAL NOTES:

- CONES MAY BE SUBSTITUTED FOR DRUMS OR TYPE II BARRICADES DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (700) HIGH.
- VERTICAL BARRICADES SHALL NOT BE USED FOR RAMP CLOSURES.
- A FLAGGER SHALL BE POSITIONED AT EACH CLOSED RAMP THAT IS OPEN TO CONSTRUCTION VEHICLES, PRECEDED BY A W20-7 FLAGGER WARNING SIGN.
- ALL ROUTE MARKERS AND TRAILBLAZER ASSEMBLIES WHICH DIRECT MOTORISTS TO A CLOSED ENTRANCE RAMP SHALL BE COVERED WHEN THE RAMP IS CLOSED FOR MORE THAN FOUR (4) DAYS.
- THE SIGNING AND BARRICADING WHICH IS REQUIRED BY THIS DETAIL SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS).
- AUTHORIZATION FROM THE DISTRICT'S BUREAU OF TRAFFIC IS REQUIRED FOR ALL RAMP CLOSURES.
- THE RAMP CLOSURE ADVANCE INFORMATION SIGNS SHALL BE ERECTED IF THE CLOSURE TIME EXCEEDS TWENTY-FOUR (24) HOURS. ADDITIONAL ADVANCE WARNING SIGNS ON EXIT GUIDE SIGNING WILL BE REQUIRED FOR EXIT RAMP CLOSURES THAT EXCEED FOUR (4) DAYS IN LENGTH.
- ROAD CONSTRUCTION AHEAD SIGNS MAY BE OMITTED WHEN THIS DETAIL IS USED IN CONJUNCTION WITH OTHER TRAFFIC CONTROL THAT ALREADY INCLUDES A ROAD CONSTRUCTION AHEAD SIGN.
- ARTERIAL ROAD CONSTRUCTION AHEAD SIGNS SHALL BE INSTALLED ON THE LEFT SIDE OF TRAFFIC IF THE MEDIAN IS MORE THAN 10 FT WIDE.

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



USER NAME = footemj	DESIGNED - D.W.S.	REVISED - S.P.B._01-07
	DRAWN -	REVISED - S.P.B._12-09
PLOT SCALE = 50,0000 ' / in.	CHECKED -	REVISED - M.D._06-13
PLOT DATE = 3/4/2019	DATE - 02-83	REVISED - M.D._01-18

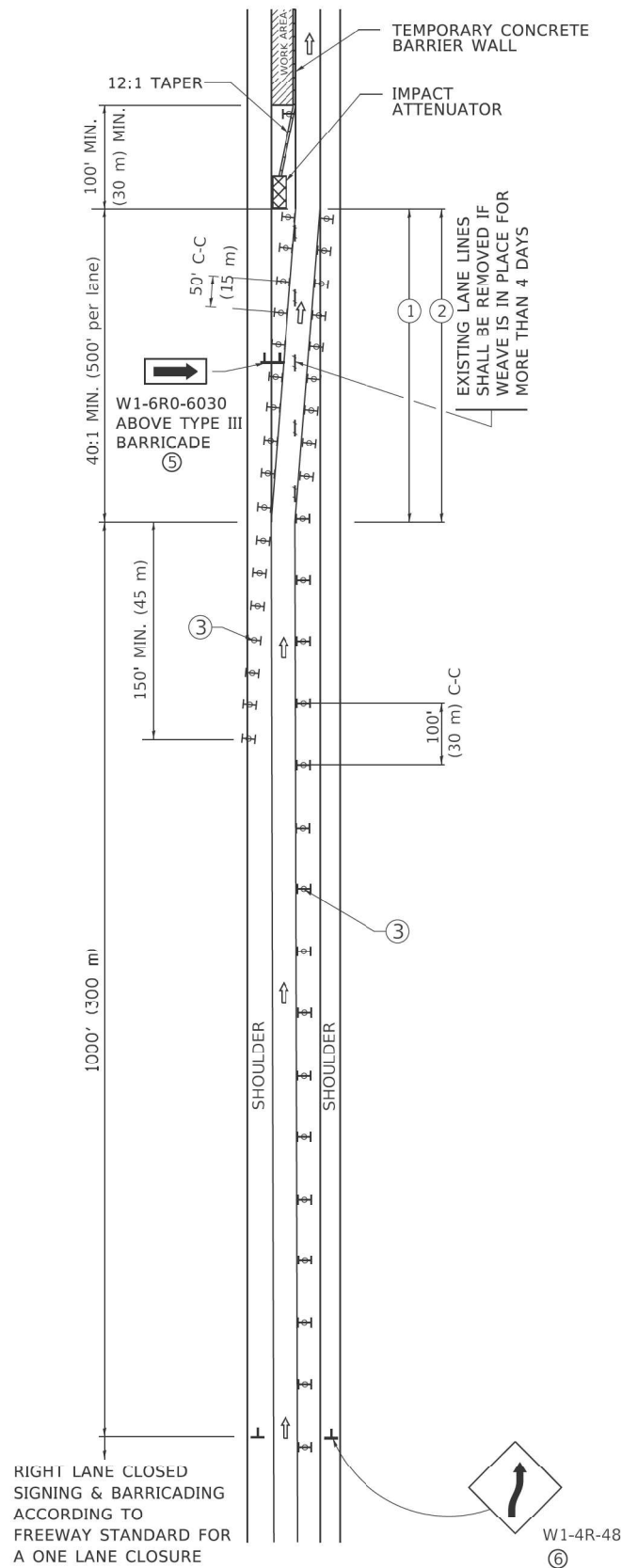
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ENTRANCE AND EXIT RAMP
CLOSURE DETAILS**

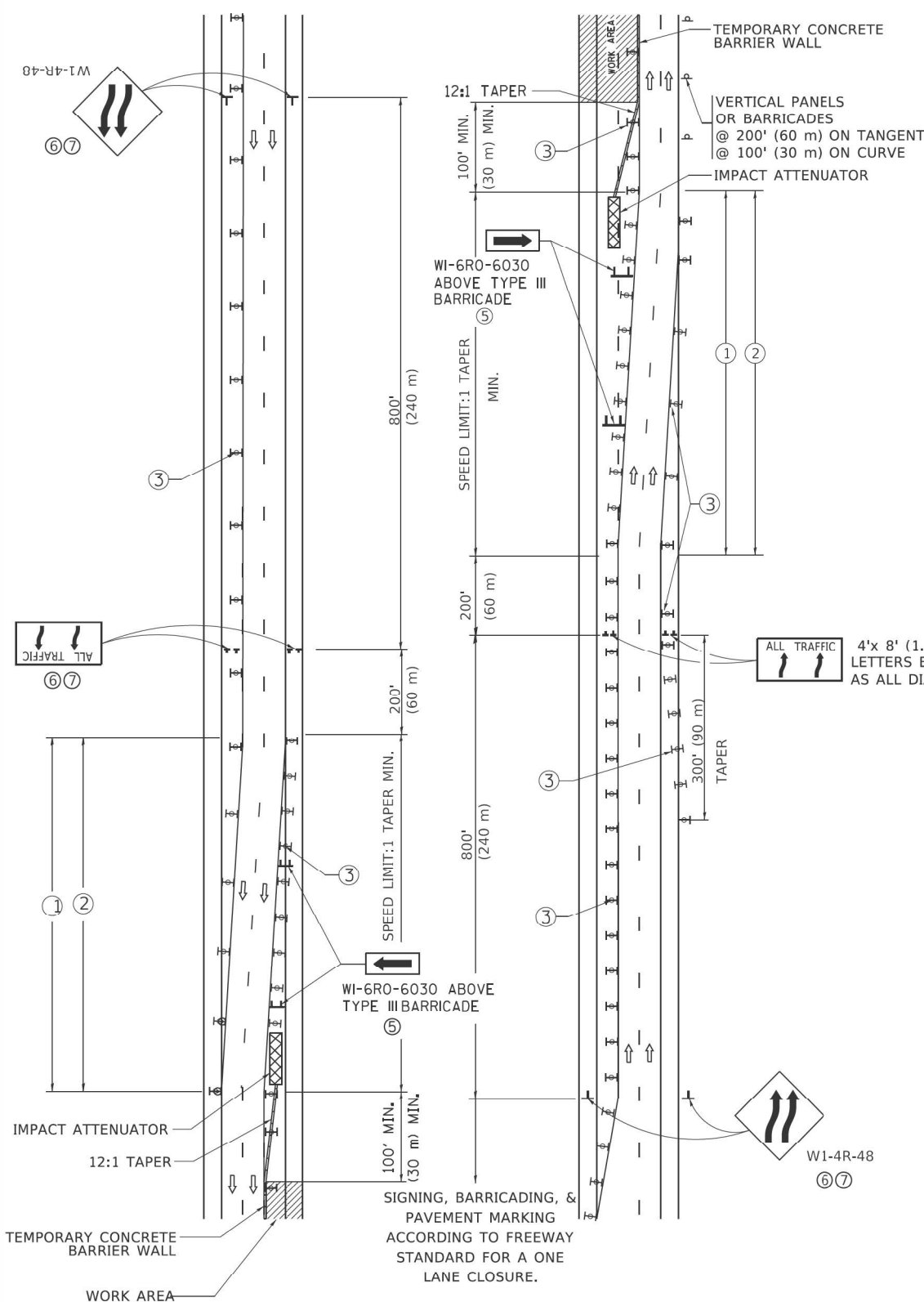
SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	FAI 290 22 BRIDGE 3	COOK	161	146
TC-08		CONTRACT NO. 62U12		
		ILLINOIS	FED. AID PROJECT	

SINGLE LANE WEAVE



MULTI-LANE WEAVE



GENERAL NOTES:

- EXISTING CONFLICTING PAVEMENT MARKING LINES SHALL BE REMOVED. PAVEMENT MARKING REMOVAL SHALL NOT BE REQUIRED FOR SINGLE LANE WEAVES UNDER 4 DAYS IN DURATION.
- CONTINUOUS REFLECTIVE TEMPORARY PAVEMENT MARKING TAPE SHALL BE PLACED THROUGHOUT THE TAPER AND FOR 300' (90 m) ALONG SIDE THE WORK AREA WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN DAYS. THE LEFT EDGE LINE SHALL BE YELLOW AND THE RIGHT EDGE LINE SHALL BE WHITE. FOR MULTI-LANE WEAVES LANE LINES SHALL BE 5 INCH, 10'-30' (3 m-9 m) SKIP DASH, WHITE.
- PLASTIC DRUMS WITH STEADY BURN LIGHTS AT 50' (15 m) C-C SPACING IN TAPERS AND 100' (30 m) C-C SPACING IN TANGENTS.
- ALL SIGNS SHALL BE POST MOUNTED IF THE CLOSURE TIME EXCEEDS FOUR DAYS.
- TYPE III BARRICADES MAY BE OMITTED FOR SINGLE-LANE WEAVES UNDER 24-HOURS IN DURATION. W1-6 SIGNS WILL STILL BE REQUIRED. IF THE WIDTH OF OFFSET IS LESS THAN 6' THEN THE TYPE III BARRICADE WITH ATTACHED ARROW SIGN PANEL CAN BE ELIMINATED IN THE TAPER AREAS.
- WHEN THE LENGTH OF THE SHIFTED SEGMENT (DISTANCE BETWEEN WEAVE POINTS) IS LESS THAN 1500', DOUBLE REVERSE CURVE SIGNS (W24-1) SHOULD BE USED INSTEAD OF THE REVERSE CURVE (W1-4) SIGNS. ARROWS ON THE 4'X8' "ALL TRAFFIC" SIGNS SHALL BE THE SAME SHAPE.
- THE NUMBER OF ARROWS ON THESE SIGNS SHALL MATCH THE NUMBER OF LANES OPEN TO TRAFFIC.

SYMBOLS

- DIRECTION OF TRAFFIC
- WORK AREA
- SIGN ON PORTABLE OR PERMANENT SUPPORT
- TYPE II BARRICADE OR DRUM WITH MONO-DIRECTIONAL STEADY BURNING LIGHT
- TEMPORARY CONCRETE BARRIER WALL
- IMPACT ATTENUATOR
- W1-4R-48
- W24-1-48

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

MODEL: Default
FILE NAME: p:\u000848ED\INTEG\Illinois.gov\PIVDOT\Documents\DOT Offices\District 1\Projects\DH542723\1\CADData\CADsheets\108.cgm



BLA, Inc.
ITASCA, ILLINOIS

USER NAME	= footemj
DESIGNED	- D.W.S.
DRAWN	-
PLOT SCALE	= 50,0000 ' / in.
PLOT DATE	= 3/4/2019

DESIGNED	- D.W.S.
DRAWN	-
CHECKED	-
DATE	- 02-87

REVISED	- J.A.F. 02-06
REVISED	- S.P.B. 01-07
REVISED	- S.P.B. 12-09
REVISED	- M.D. 06-13

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL DETAILS FOR
FREEWAY SINGLE & MULTI-LANE WEAVE

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	FAI 290 22 BRIDGE 3	COOK	161	147
TC-09		CONTRACT NO. 62U12		
ILLINOIS		FED. AID PROJECT		

MODEL: Default
FILE NAME: p:\w\bl\084EB\DOT\Illinois\gov\PIV\DOT\Documents\DOT_Offices\District_1\Projects\DIH\542723\1\CADD\ata\CAD\sheet\ts10.cgn



BLA, Inc.
ITASCA, ILLINOIS

USER NAME	= footemj	DESIGNED -	L.H.A.	REVISED -	A. HOUSEH 10-15-96
		DRAWN -		REVISED -	T. RAMMACHER 01-06-00
PLOT SCALE	= 50,0000 ' / in.	CHECKED -		REVISED -	A. SCHUETZE 07-01-13
PLOT DATE	= 3/4/2019	DATE -	06-89	REVISED -	A. SCHUETZE 09-15-16

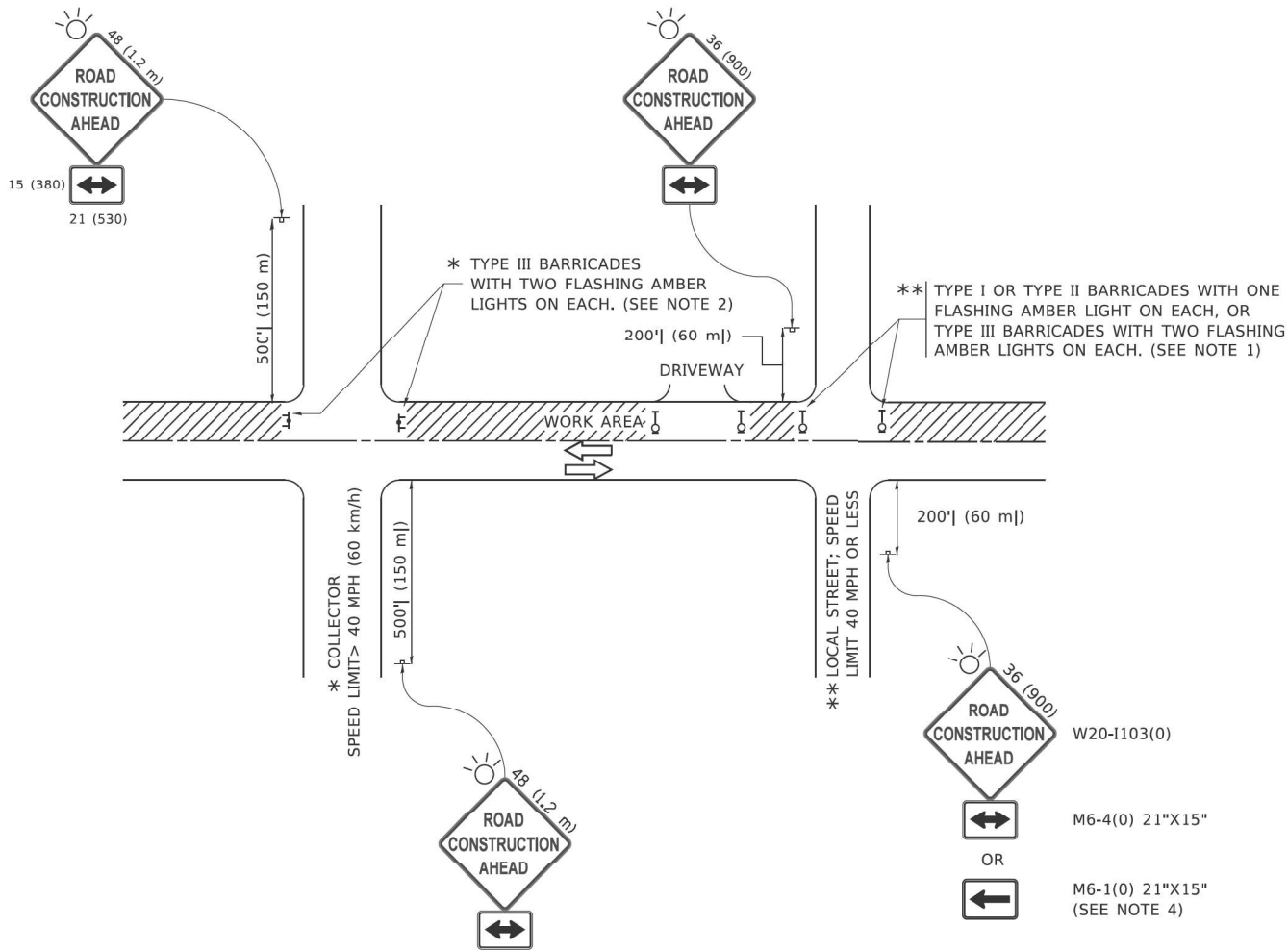
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

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

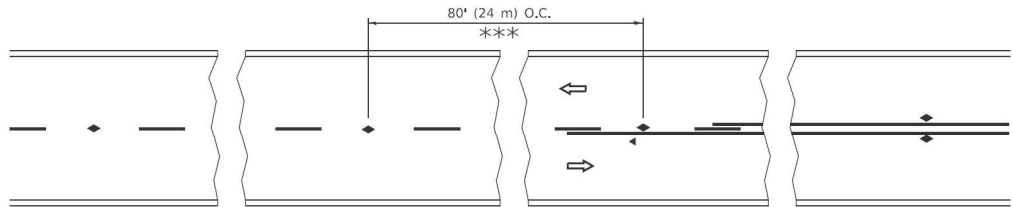
All dimensions are in inches (millimeters)
unless otherwise shown.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	FAI 290 22 BRIDGE 3	COOK	161	148
TC-10		CONTRACT NO. 62U12		
ILLINOIS		FED. AID PROJECT		



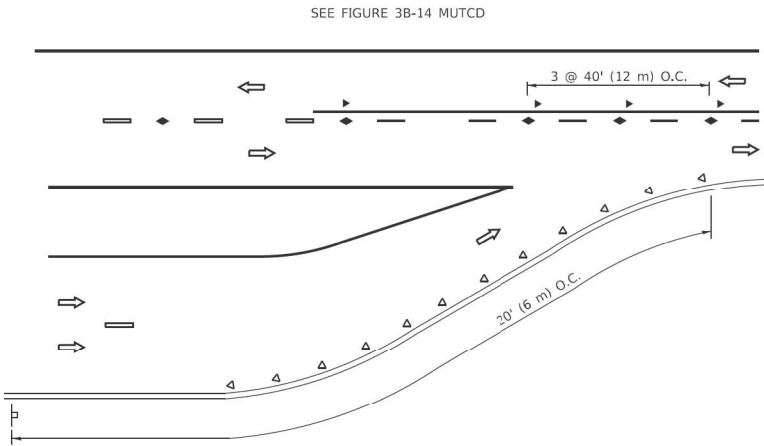
NOTES:

- 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:
 - 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.
 - 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.
- SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - ONE "ROAD CONSTRUCTION AHEAD" SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
 - THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
- CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.
- WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE
- SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).
- 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.
- ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAYS UNLESS OTHERWISE SPECIFIED IN THE PLANS OR BY THE ENGINEER.
- THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

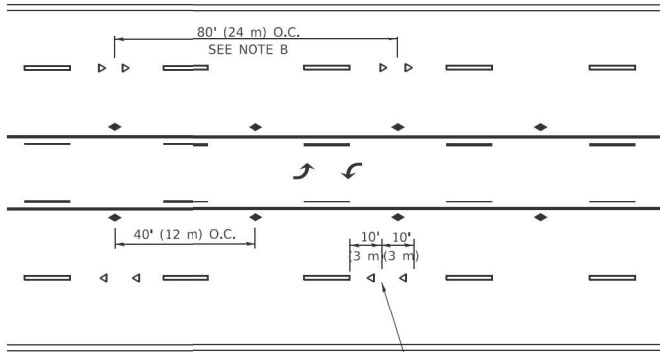


*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

TWO-LANE/TWO-WAY

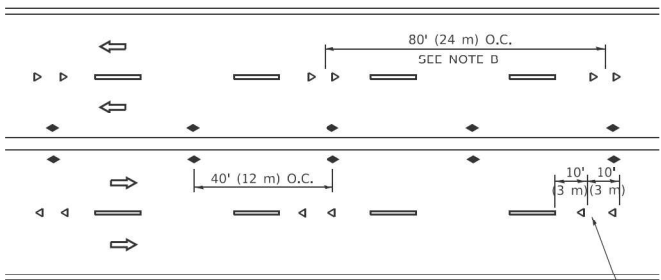


LANE REDUCTION TRANSITION



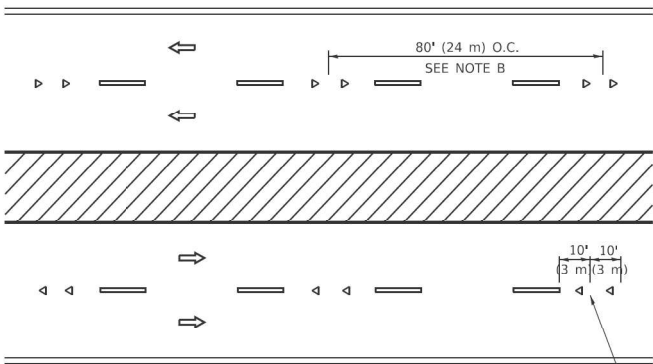
SEE NOTE A

TWO-WAY LEFT TURN



SEE NOTE A

MULTI-LANE/UNDIVIDED



SEE NOTE A

MULTI-LANE/DIVIDED

GENERAL NOTES

- MARKERS USED WITH DASHED LINES SHALL BE CENTERED IN THE GAP BETWEEN SEGMENTS.
- MARKERS USED ADJACENT TO SOLID LINES SHALL BE OFFSET 2 TO 3 (50 TO 75) TOWARD TRAFFIC AS SHOWN.
- MARKERS THROUGH TANGENTS LESS THAN 500' (150 m) IN LENGTH BETWEEN CURVES SHALL BE INSTALLED AT THE LESSER OF THE TWO CURVE SPACINGS.
- MARKERS ARE TO BE USED ADJACENT TO BOTH SOLID WHITE LINES IN DUAL LEFT TURN LANES

LANE MARKER NOTES

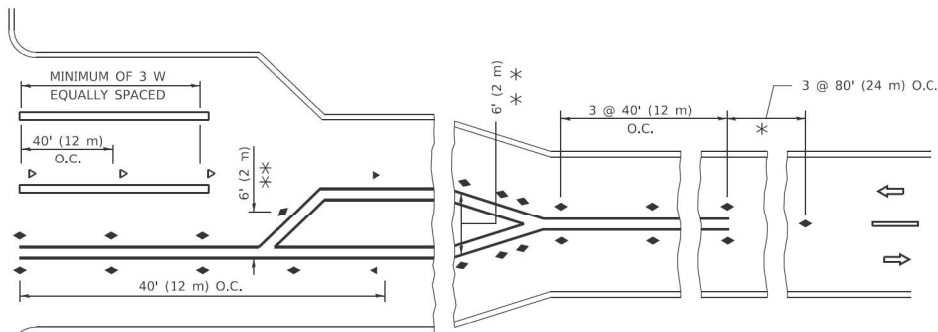
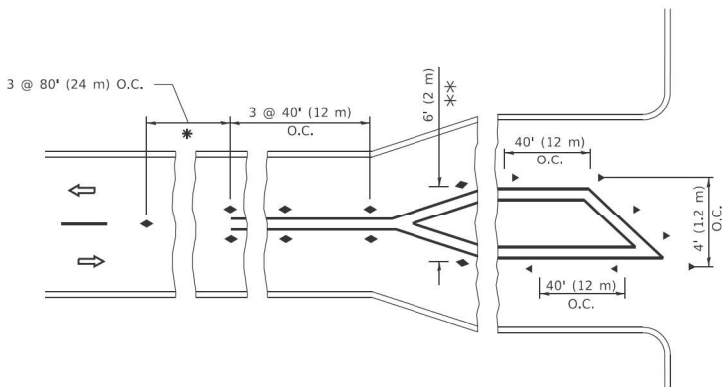
- A. USE DOUBLE LANE LINE MARKERS SPACED AS SHOWN.
- B. REDUCE TO 40' (12 m) O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 10 M.P.H (20 km/h) LOWER THAN POSTED SPEEDS.

SYMBOLS

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

DESIGN NOTES

- DOUBLE LANE LINE MARKERS SHALL BE USED UNLESS SPECIFIED OTHERWISE.
- EXCEPT AS SHOWN ON THE LANE REDUCTION TRANSITION AND FREEWAY EXIT RAMP DETAIL, MARKERS ARE NOT TO BE SPECIFIED ON RIGHT EDGE LINES.
- THE EXACT MARKER LIMITS, SPACING, AND COLOR SHALL BE INCLUDED IN THE PLANS WHEN STANDARD SPECIFICATIONS ARE NOT BEING USED.
- MARKERS SHOULD NOT BE USED ALONGSIDE CURBS EXCEPT FOR EXTREMELY SHORT SECTIONS OF CURBS WHERE NOT MORE THAN TWO MARKERS WOULD BE INVOLVED.



* SEE TWO-LANE/TWO-WAY WHERE MARKERS CONTINUE
** WHERE THE MEDIAN WIDTH IS 6' (2 m) OR LESS USE TWO-WAY MARKERS.

TURN LANES

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



BLA, Inc.
ITASCA, ILLINOIS

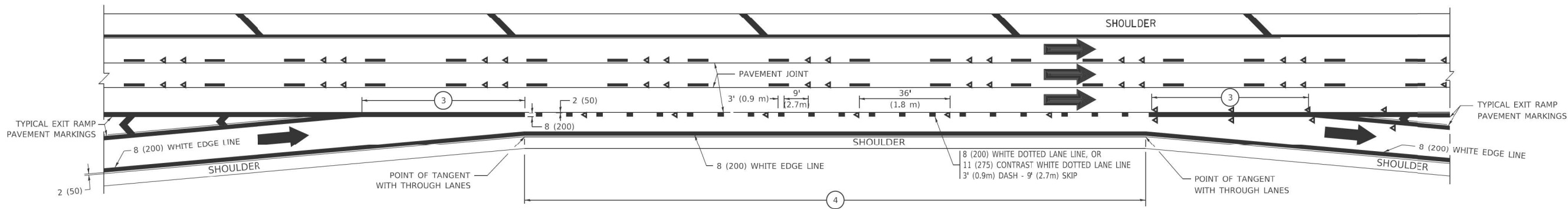
USER NAME = footemj	DESIGNED -	REVISED - T. RAMMACHER 03-12-99
	DRAWN -	REVISED - T. RAMMACHER 01-06-00
PLOT SCALE = 50,0000 ' / in.	CHECKED -	REVISED - C. JUCIUS 09-09-09
PLOT DATE = 3/4/2019	DATE -	REVISED - C. JUCIUS 07-01-13

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

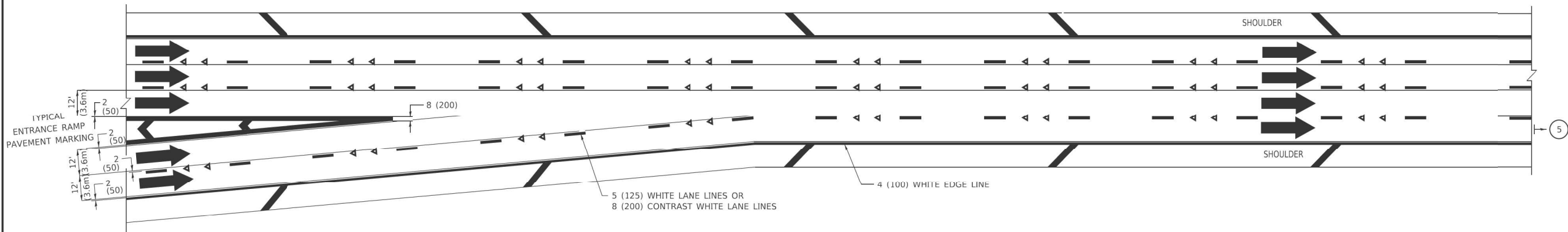
TYPICAL APPLICATIONS
RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)

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

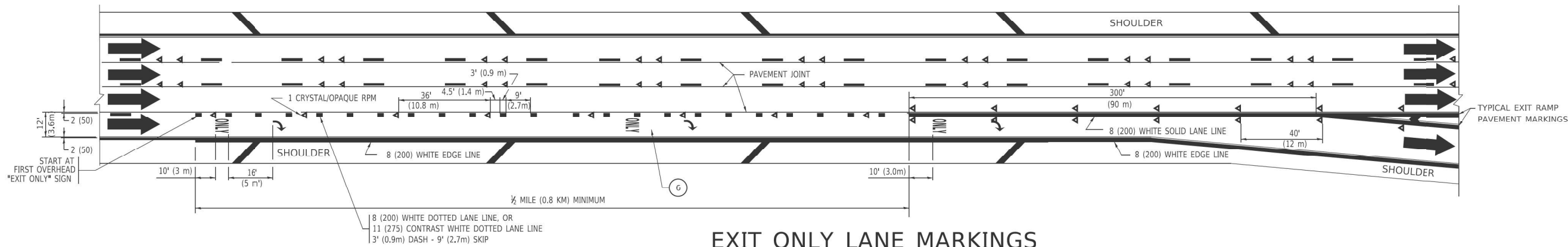
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	FAI 290 22 BRIDGE 3	COOK	161	149
TC-11		CONTRACT NO. 62U12		
		ILLINOIS FED. AID PROJECT		



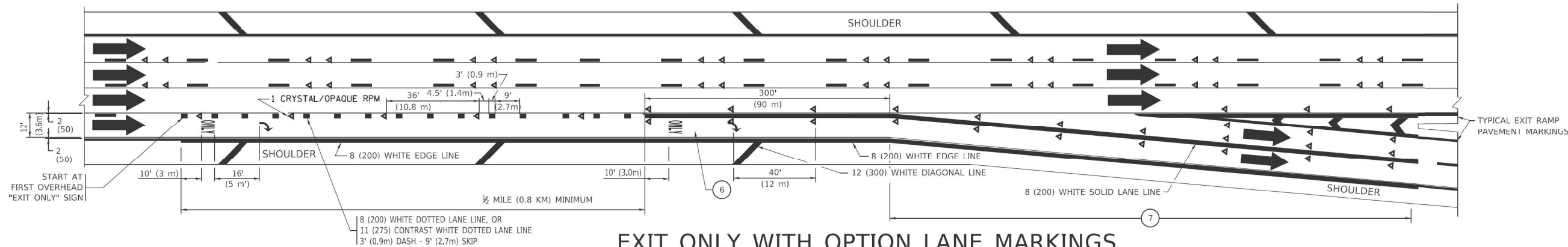
AUXILIARY LANE MARKINGS



TWO LANE ENTRANCE RAMP WITH MERGE MARKINGS



EXIT ONLY LANE MARKINGS



EXIT ONLY WITH OPTION LANE MARKINGS

- NOTES:**
- 3 OMIT WHEN LENGTH OF AUXILIARY LANE IS LESS THAN 500' (150 m).
 - 4 8-INCH WIDE DOTTED LANE LINE MARKINGS SHALL BE USED WHEN THE LENGTH OF THE AUXILIARY LANE IS 2 MILES OR LESS.
 - 5 FOR TWO-LANE ENTRANCE RAMP, IF RIGHT LANE ENDS, USE TYPICAL ENTRANCE RAMP PAVEMENT MARKINGS.
 - 6 ONLY AND ARROWS EQUALLY SPACED, 500' (150 m) MAXIMUM SPACING. FULL SIZE LETTERS AND ARROW SHALL BE USED..
 - 7 CONTINUE 8" SOLID LANE LINE THROUGH EXIT TO END OF PAVED GORE.

MODEL: Default
FILE NAME: p:\al0848\BID\INTEC\Illinois.gov\PIVDOT\Documents\DOT_Offices\District_1\Projects\Dist1\4223\41\CADData\alCADsheets\al12.dgn



BLA, Inc.
ITASCA, ILLINOIS

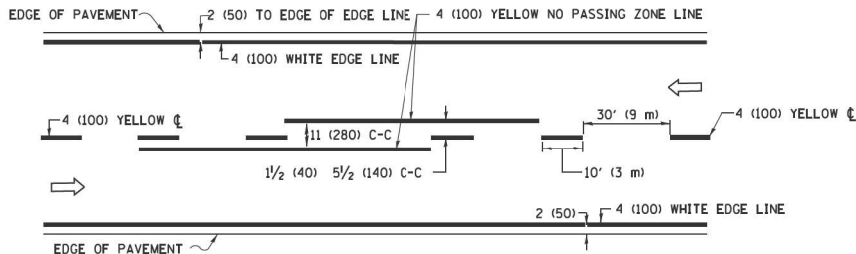
USER NAME = footemj	DESIGNED - D.W.S.	REVISED - J.A.F. 02-06
	DRAWN -	REVISED - S.P.B. 01-07
PLOT SCALE = 50,0000 ' / in.	CHECKED -	REVISED - S.P.B. 01-10
PLOT DATE = 3/4/2019	DATE - 01-90	REVISED - M.D. 09-17

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

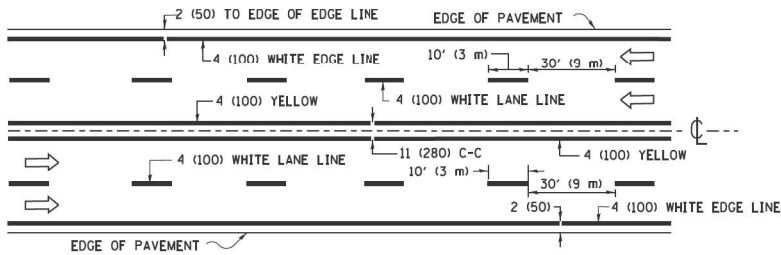
MULTI-LANE FREEWAY
PAVEMENT MARKING DETAILS

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

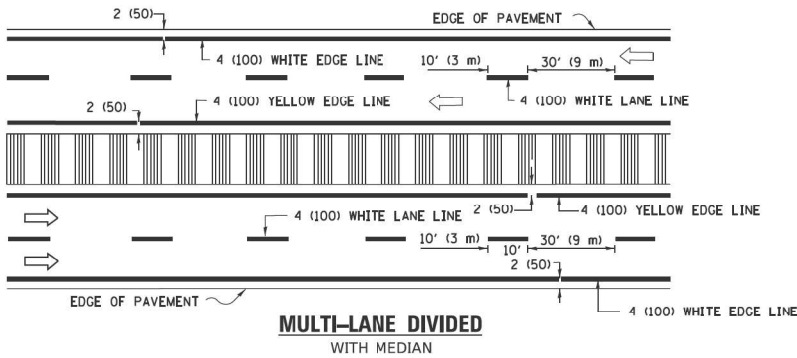
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	FAI 290 22 BRIDGE 3	COOK	161	150
TC-12		CONTRACT NO. 62U12		
ILLINOIS		FED. AID PROJECT		



2-LANE ROADWAY

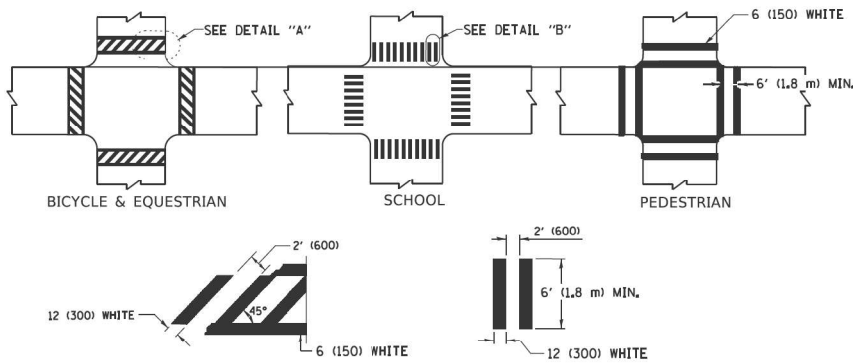


MULTI-LANE UNDIVIDED



MULTI-LANE DIVIDED WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING

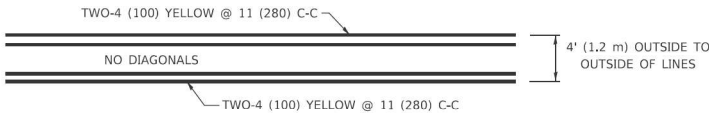


DETAIL "A"

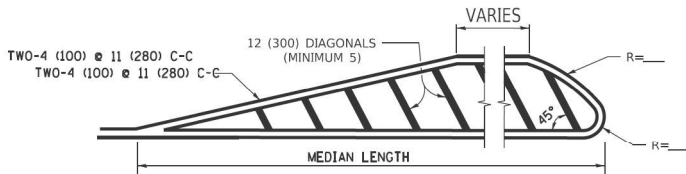
DETAIL "B"

TYPICAL CROSSWALK MARKING

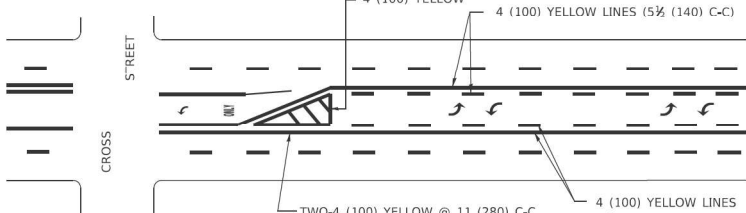
* MARKINGS SHALL BE INSTALLED PARALLEL TO THE CENTERLINE OF THE ROAD WHICH IT CROSSES



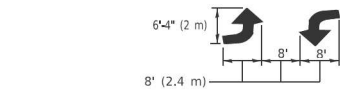
4' (1.2 m) WIDE MEDIANS ONLY



MEDIANS OVER 4' (1.2 m) WIDE

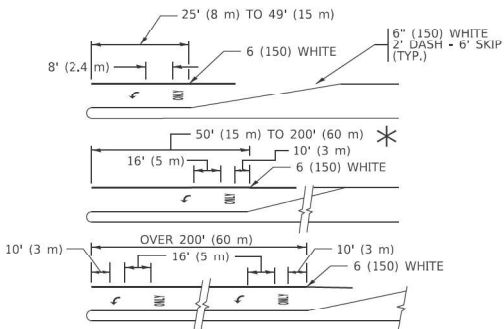


A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



MEDIAN WITH TWO-WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING

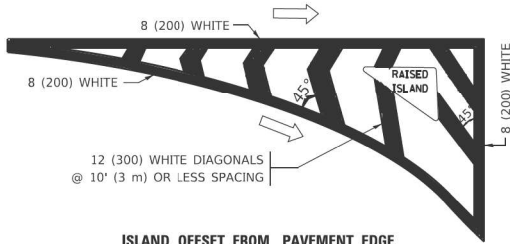


FULL SIZE LETTERS 8" (2.4 m) AND ARROWS SHALL BE USED. AREA = 15.6 SQ. FT. (1.5 m²) ONLY AREA = 20.8 SQ. FT. (1.9 m²)

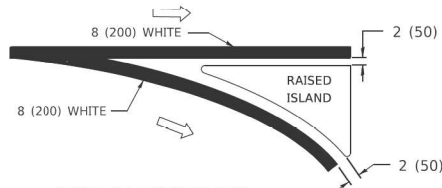
* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING

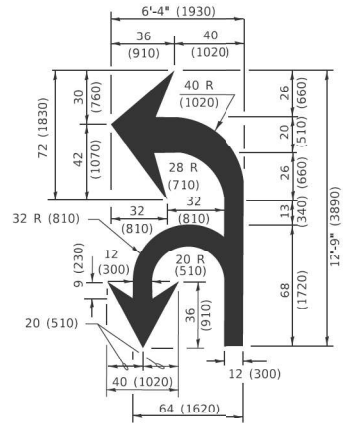


ISLAND OFFSET FROM PAVEMENT EDGE

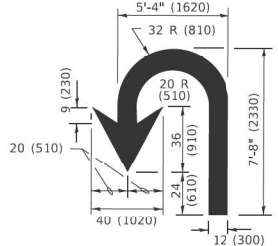


ISLAND AT PAVEMENT EDGE

TYPICAL ISLAND MARKING



COMBINATION LEFT AND U-TURN



U-TURN

LANE REDUCTION TRANSITION

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

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

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

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

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



BLA, Inc.
ITASCA, ILLINOIS

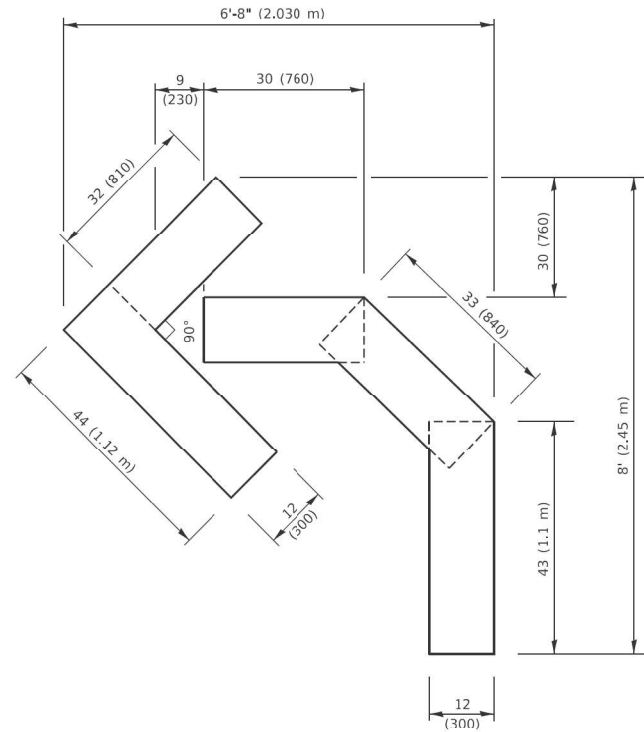
USER NAME = footemj	DESIGNED - EVERS	REVISED - C. JUCIUS 09-09-09
	DRAWN -	REVISED - C. JUCIUS 07-01-13
PLOT SCALE = 50,0000 ' / in.	CHECKED -	REVISED - C. JUCIUS 12-21-15
PLOT DATE = 3/4/2019	DATE - 03-19-90	REVISED - C. JUCIUS 04-12-16

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
TYPICAL PAVEMENT MARKINGS

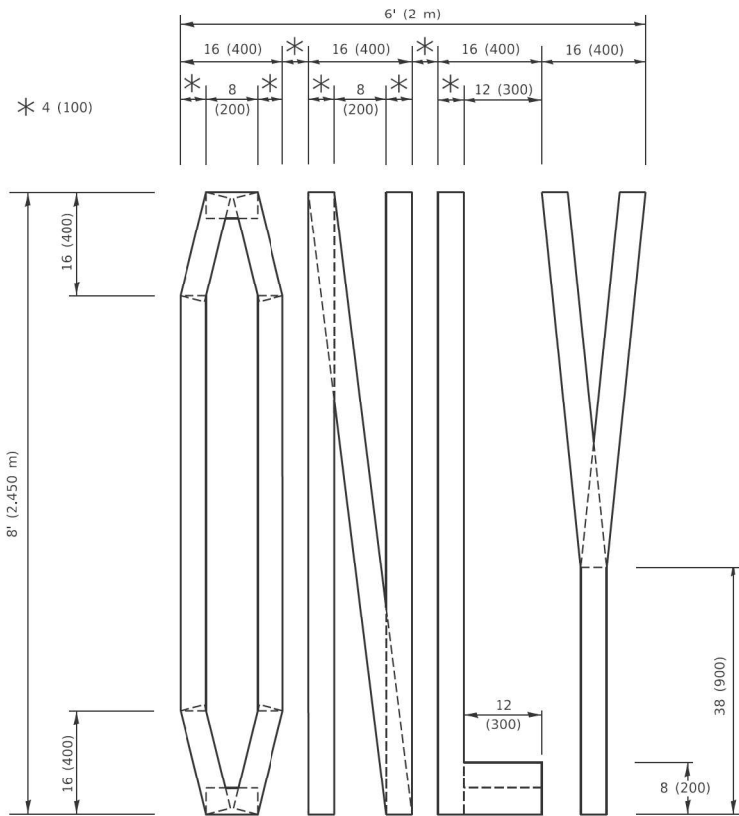
SCALE: NONE SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	FAI 290 22 BRIDGE 3	COOK	161	152
TC-13		CONTRACT NO. 62U12		
ILLINOIS		FED. AID PROJECT		



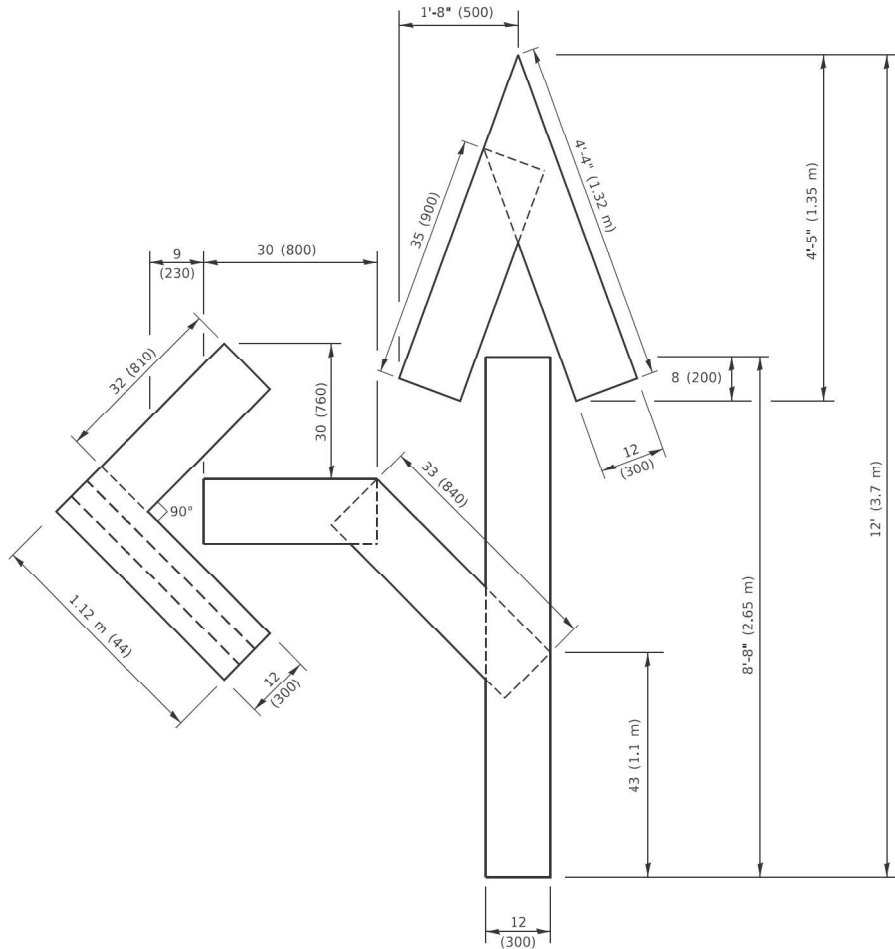
QUANTITY

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)

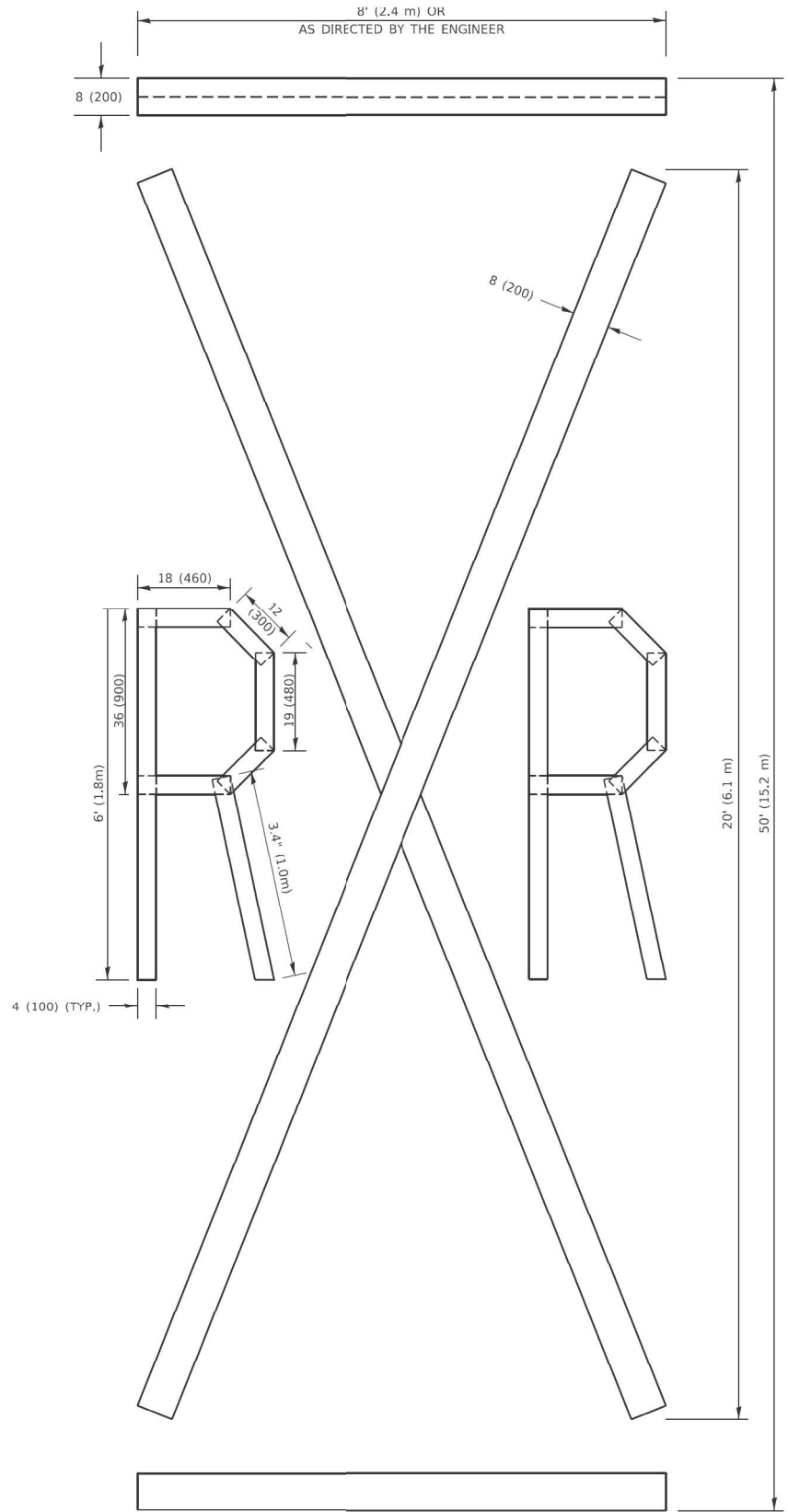


QUANTITY

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: p:\u00084EBID\NTEC\Illinois.gov\PWIDOT\Documents\DOT Office\District 1\Projects\Dist5\22x24\CAD\Data\CAD\Sheet\sz16.dgn



BLA, Inc.
ITASCA, ILLINOIS

USER NAME = footemj	DESIGNED -	REVISED - T. RAMMACHER 03-02-98
	DRAWN -	REVISED - E. GOMEZ 08-28-00
PLOT SCALE = 50.0068 ' / in.	CHECKED -	REVISED - E. GOMEZ 08-28-00
PLOT DATE = 3/4/2019	DATE - 09-18-94	REVISED - A. SCHUETZE 09-15-16

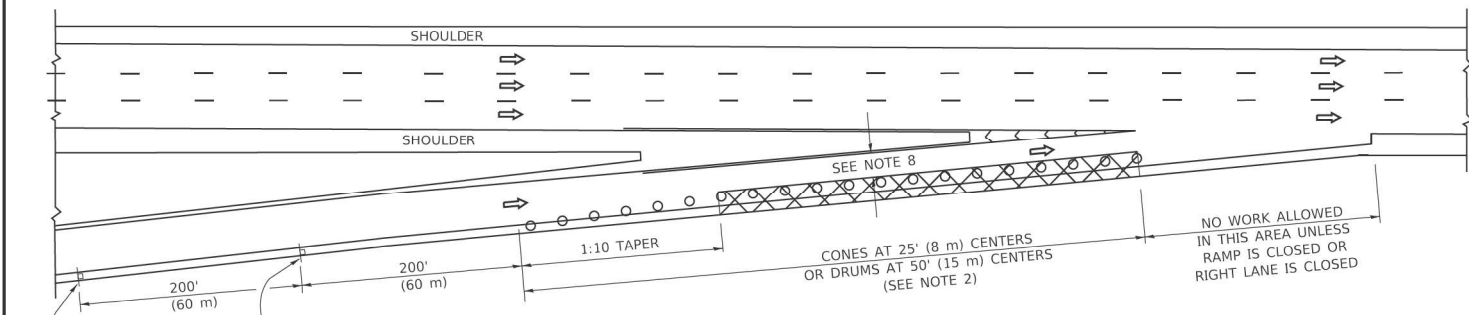
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS

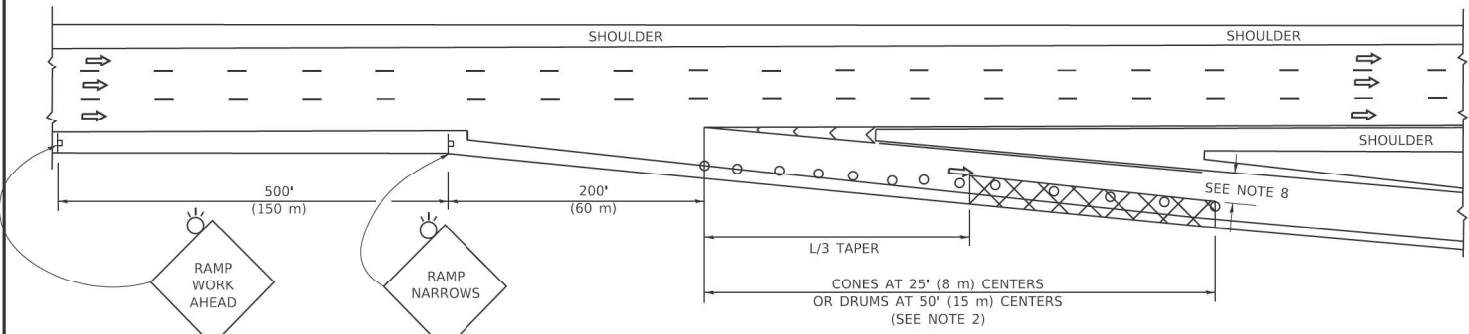
SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	FAI 290 22 BRIDGE 3	COOK	161	153
TC-16		CONTRACT NO. 62U12		
		ILLINOIS	FED. AID PROJECT	

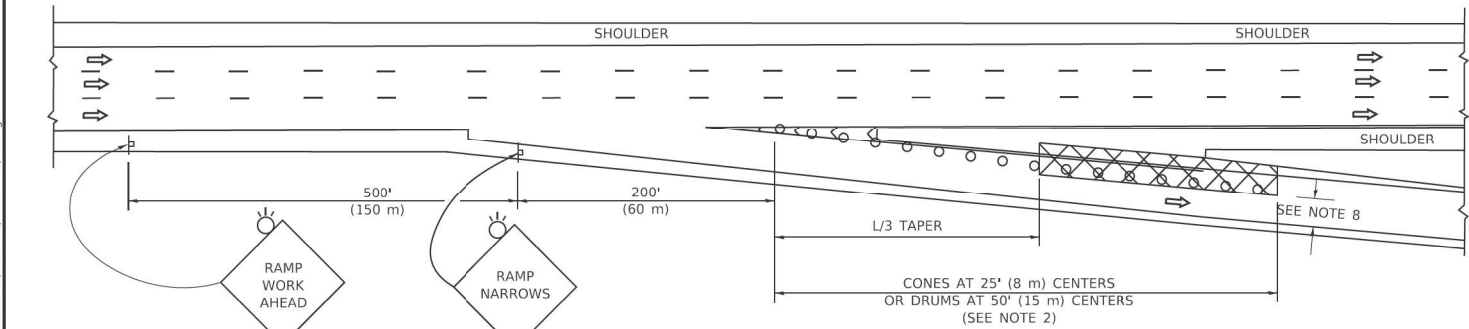
PARTIAL RAMP CLOSURE DETAILS



TYPICAL ENTRANCE RAMP



TYPICAL EXIT RAMP



TYPICAL EXIT RAMP

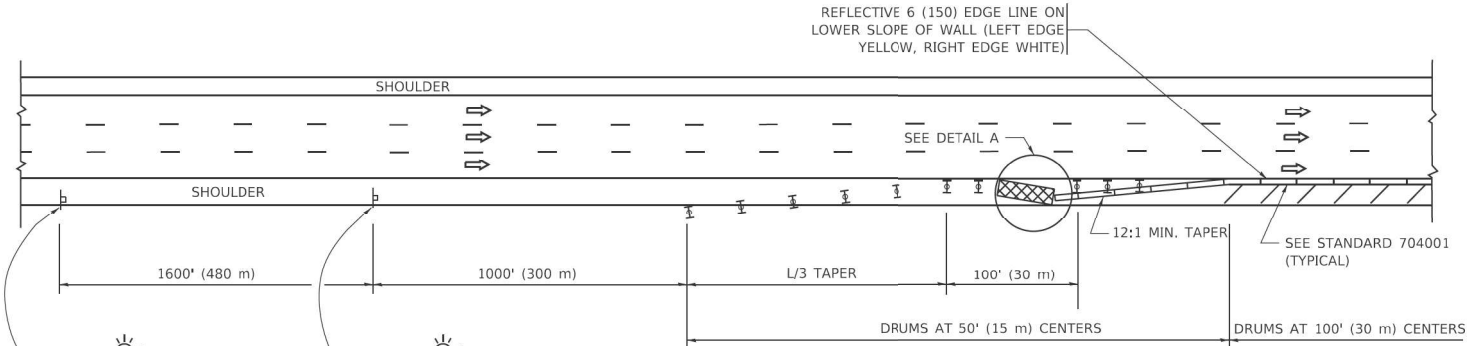
SYMBOLS

- ACTIVE WORK AREA
- SIGN ON PORTABLE OR PERMANENT SUPPORT
- FLAGGER WITH CONTROL SIGN
- TYPE II BARRICADE OR DRUM
- CONE, DRUM OR BARRICADE
- IMPACT ATTENUATOR OF TYPE AND TEST LEVEL SPECIFIED

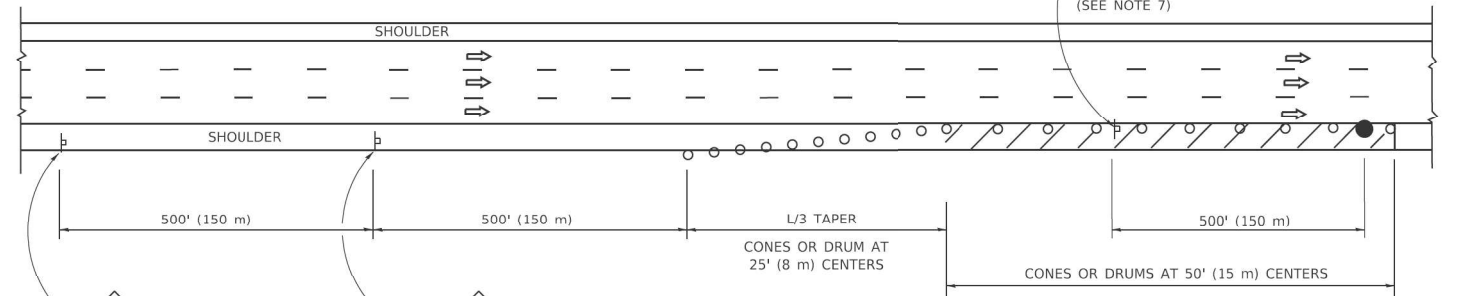
GENERAL NOTES:

- THE "L" DISTANCE EQUALS:
 $L = \frac{S^2}{24.5}$
SPEED LIMIT
45 mph (80 km/h) OR GREATER
W = WIDTH OF OFFSET IN FEET (METERS)
S = NORMAL POSTED SPEED MPH (KM/H)
FORMULAS
METRIC $L = 0.65(W)(S)$
ENGLISH $L = (W)(S)$
- TYPE II BARRICADES OR DRUMS ARE REQUIRED FOR ALL NIGHTTIME CLOSURES. TYPE II BARRICADES OR DRUMS WITH MONODIRECTIONAL STEADY BURN LIGHTS ARE REQUIRED FOR DELINEATING OBSTACLES, EXCAVATIONS, OR HAZARDS EXCEEDING 100 FT (30m) IN LENGTH AT NIGHT.
- ALL SIGNS SHALL BE POST MOUNTED IF THE CLOSURE TIME EXCEEDS FOUR DAYS.
- FLASHING LIGHTS SHALL BE USED DURING THE HOURS OF DARKNESS AND SHALL BE INSTALLED ABOVE THE FIRST TWO SETS OF SIGNS.

SHOULDER CLOSURE DETAILS

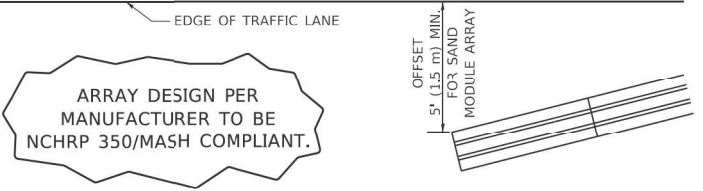


PERMANENT SHOULDER CLOSURE



DAYTIME SHOULDER CLOSURE

- THIS DETAIL IS USED WHERE:
- VEHICLES, EQUIPMENT, WORKERS OR THEIR ACTIVITIES ENCROACH IN AN AREA CLOSER THAN 15' (4.5 m) TO THE EDGE OF PAVEMENT FOR A PERIOD IN EXCESS OF 15 MINUTES.



DETAIL "A"
IMPACT ATTENUATOR, TEMPORARY
(SEE NOTE 5)

- THE IMPACT ATTENUATOR, TEMPORARY IS NOT REQUIRED WHEN THE TEMPORARY CONCRETE BARRIER WALL IS PROTECTED BY OR IS TIED INTO THE EXISTING GUARDRAIL. IF OFFSET IS LESS THAN 5 FEET USE NARROW USE TYPE DEVICE TO MEET NCHRP350/MASH.
- AUTHORIZATION FROM THE DISTRICT'S BUREAU OF TRAFFIC IS REQUIRED FOR ALL FREEWAY CLOSURES.
- THE FLAGGER AND FLAGGER SIGN ARE REQUIRED AT THE ABOVE WORK SITES WHEN:
 - FOUR OR MORE WORK VEHICLES ENTER THE TRAFFIC LANES IN A ONE HOUR PERIOD.
 - THE WORK AVTIVITY REQUIRES FREQUENT ENCROACHMENT INTO THE LANE OPEN TO TRAFFIC.THE FLAGGER SHALL BE STATIONED APPROXIMATELY 100' (30 m) TO 200' (60 m) IN ADVANCE OF THE WORKERS.
- 12' MIN. WIDTH TANGENT SECTION
16' MIN. WIDTH CURVE SECTION,

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



USER NAME	= footemj	DESIGNED -	REVISED -	S.P.B. 01-07
		DRAWN -	REVISED -	S.P.B. 12-09
PLOT SCALE	= 50,0000 ' / in.	CHECKED -	REVISED -	M.D. 06-13
PLOT DATE	= 3/4/2019	DATE -	REVISED -	M.D. 01-18

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

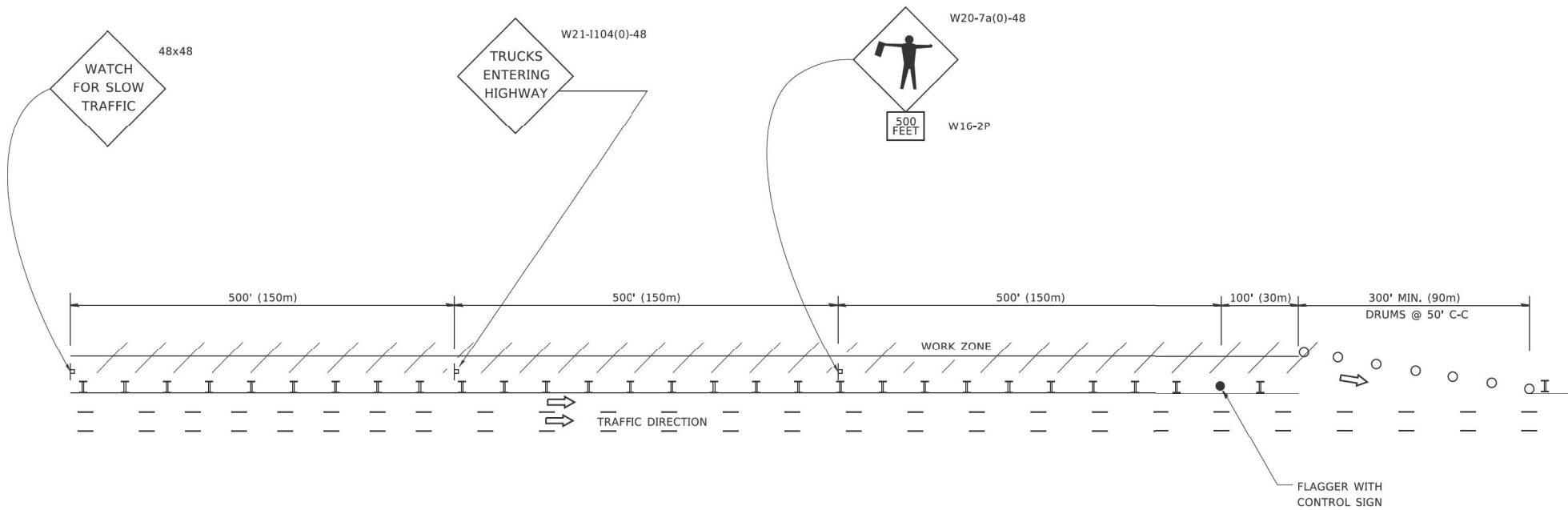
TRAFFIC CONTROL DETAILS FOR FREEWAY
SHOULDER CLOSURES AND PARTIAL RAMP CLOSURES

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

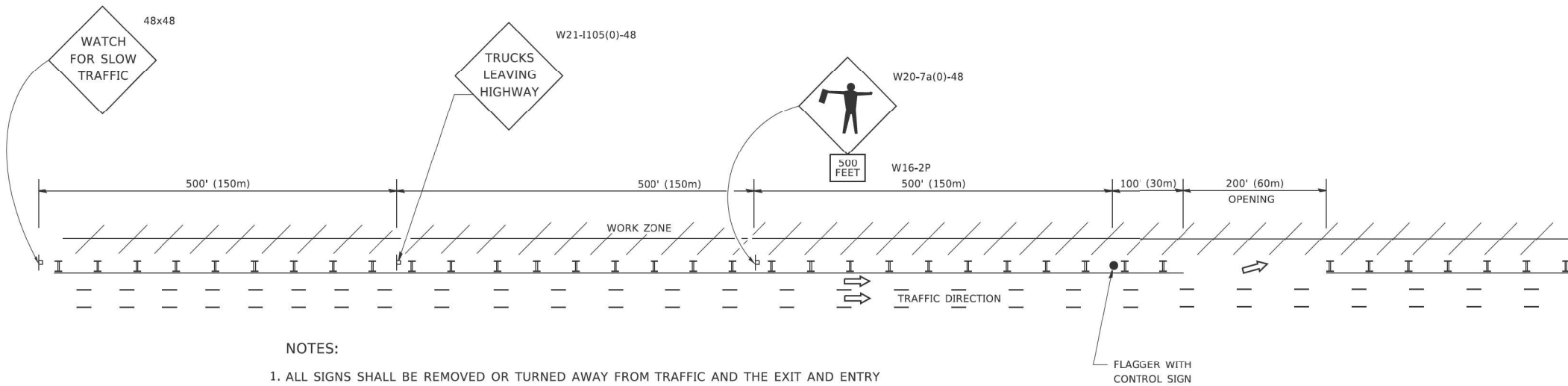
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	FAI 290 22 BRIDGE 3	COOK	161	154
TC-17		CONTRACT NO. 62U12		
ILLINOIS		FED. AID PROJECT		

SIGNING FOR FLAGGING OPERATIONS AT WORK ZONE OPENINGS

WORK ZONE EXIT OPENING



WORK ZONE ENTRY OPENING



NOTES:

1. ALL SIGNS SHALL BE REMOVED OR TURNED AWAY FROM TRAFFIC AND THE EXIT AND ENTRY OPENINGS SHALL BE CLOSED WHEN THE FLAGGING OPERATION CEASES. NON OPERATING EQUIPMENT SHALL COMPLY WITH ARTICLE 701.11
2. WORK ZONE OPENINGS SHALL BE A MINIMUM OF ONE HALF MILE APART AND A MINIMUM OF ONE QUARTER MILE FROM ALL ENTRANCE AND EXIT RAMP.
3. EXITING THE WORK ZONE AT ANY PLACE OTHER THAN AT A WORK ZONE EXIT OPENING WILL BE PROHIBITED.
4. ALL VEHICLES SHALL ENTER THE WORK ZONE AT ENTRY OPENINGS, USING THEIR TURN SIGNALS TO WARN MOTORISTS
5. FLAGGERS SHALL NOT STOP TRAFFIC OR DIRECT TRAFFIC INTO AN ADJACENT LANE.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS)
UNLESS OTHERWISE SHOWN



BLA, Inc.
ITASCA, ILLINOIS

USER NAME	= footemj
DESIGNED	-
DRAWN	-
PLOT SCALE	= 50,0000 ' / in.
PLOT DATE	= 3/4/2019

DESIGNED	-
DRAWN	-
CHECKED	-
DATE	-

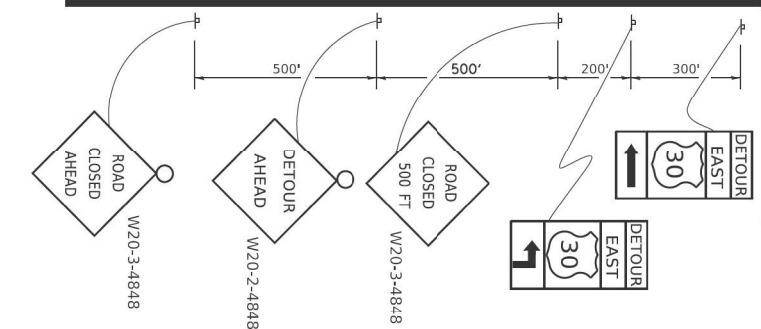
REVISED	-	J.A.F. 02-06
REVISED	-	S.P.B. 01-07
REVISED	-	S.P.B. 12-09
REVISED	-	M.D.06-13

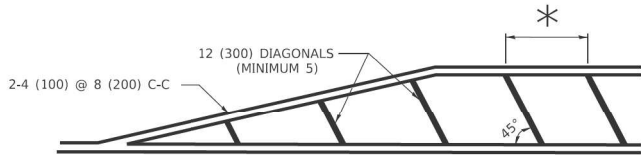
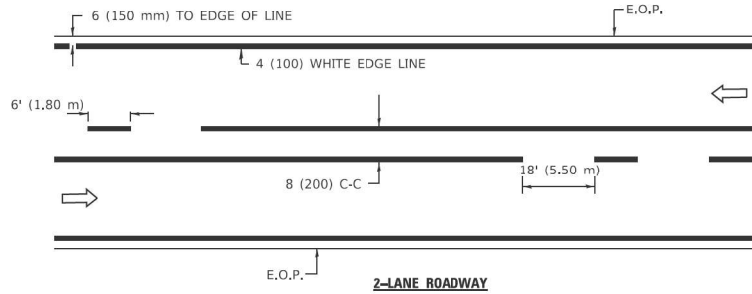
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FREEWAY /EXPRESSWAY SIGNING FOR FLAGGING OPERATIONS
AT WORK ZONE OPENINGS ON FREEWAYS /EXPRESSWAYS

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	FAI 290 22 BRIDGE 3	COOK	161	155
TC-18		CONTRACT NO. 62U12		
		ILLINOIS FED. AID PROJECT		

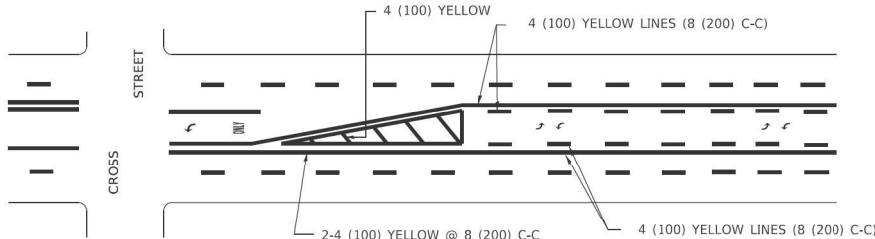




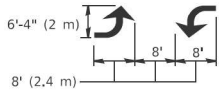
* FOR MEDIAN LENGTHS WHERE DIAGONAL SPACING CANNOT BE ATTAINED, USE 5 (FIVE) EQUALLY SPACED DIAGONAL LINES.

* DIAGONAL LINE SPACING: 20' (6.1 m) C-C

PAINTED MEDIANS

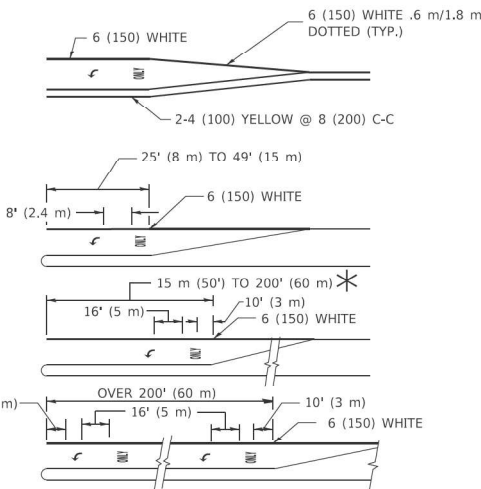


A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



MEDIAN WITH TWO-WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING

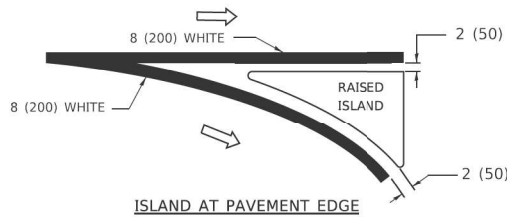
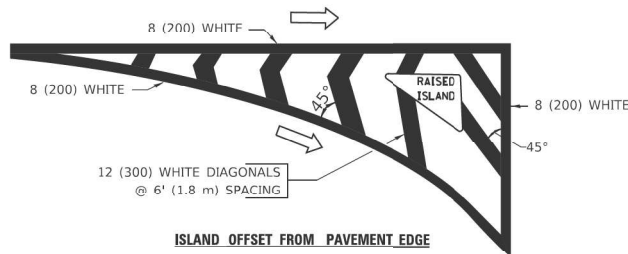


FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
AREA = 15.8 SQ. FT. (1.47 m²) ONLY AREA = 22.9 SQ. FT. (2.13 m²)

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

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING



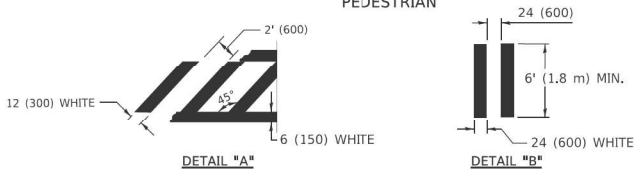
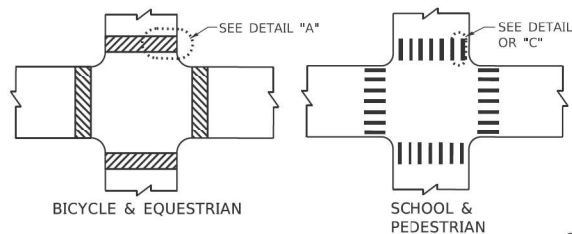
TYPICAL ISLAND MARKING

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	6' (1.80 m) LINE WITH 18' (5.50 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	8 (200) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS	1 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	8 (200) C-C
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	6' (1.80 m) LINE WITH 18' (5.50 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) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MOUNTABLE MEDIANS IN YELLOW; EDGE LINES ARE NOT USED NEXT TO BARRIER CURB
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4 m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4 m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	6' (1.8 m) LINE WITH 18' (5.50 m) SPACE FOR SKIP-DASH; 8 (200) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL & PEDESTRIAN)	12 (300) @ 45° 24 (600) @ 90°	SOLID SOLID	WHITE WHITE	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°	SOLID	YELLOW: TWO WAY TRAFFIC WHITE: ONE WAY TRAFFIC	8 (200) 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: 20' (6.1 m) (LESS THAN 30 MPH (50 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. (0.33m ²) EACH "X"=54.0 SQ. FT. (5.0 m ²)

FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STREET MARKING STANDARDS, PRINTED BY CITY OF CHICAGO, DEPARTMENT OF TRANSPORTATION, BUREAU OF TRAFFIC.

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

TYPICAL LANE AND EDGE LINE MARKING



TYPICAL CROSSWALK MARKING

MODEL: Default
FILE NAME: p:\AL084BED\NTEC\Illinois.gov\PIVDOT\Documents\DOT Offices\District 1\Projects\DH45423-2\CADData\CADsheets\1C24.cgn



BLA, Inc.
ITASCA, ILLINOIS

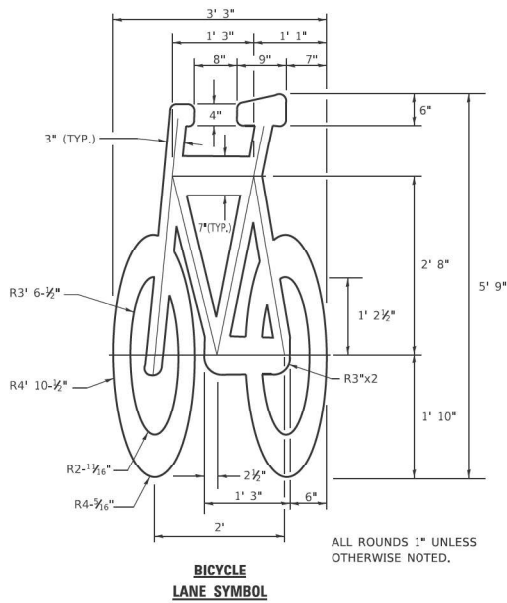
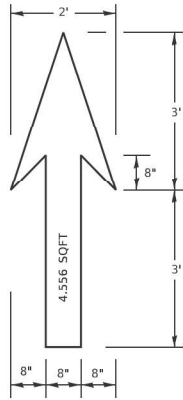
USER NAME = footemj	DESIGNED -	REVISED -T. RAMMACHER 12-07-00
	DRAWN -	REVISED - K. ENG 02-28-12
PLOT SCALE = 50,0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 3/4/2019	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CITY OF CHICAGO
TYPICAL PAVEMENT MARKINGS

SCALE: NONE SHEET 1 OF 3 SHEETS STA. TO STA.

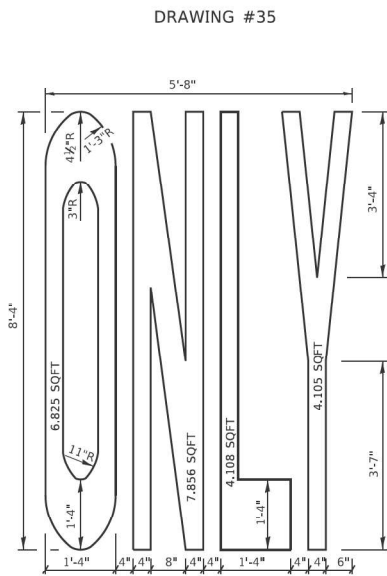
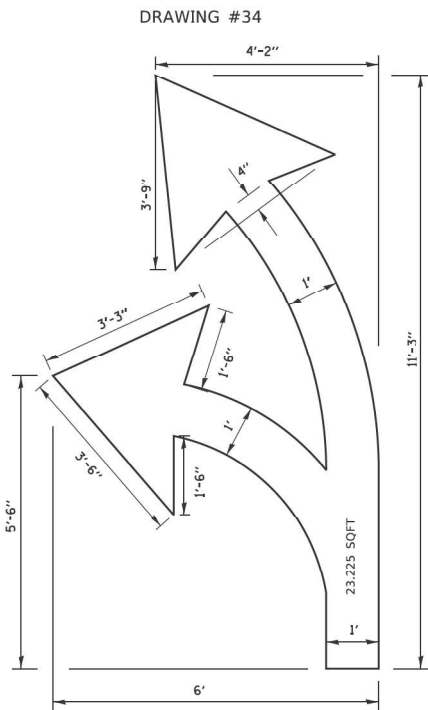
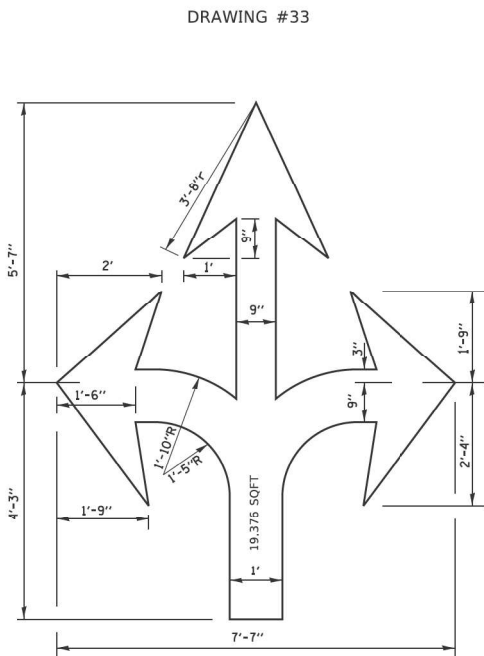
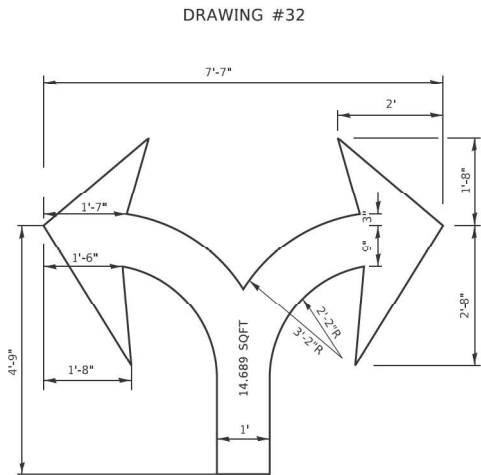
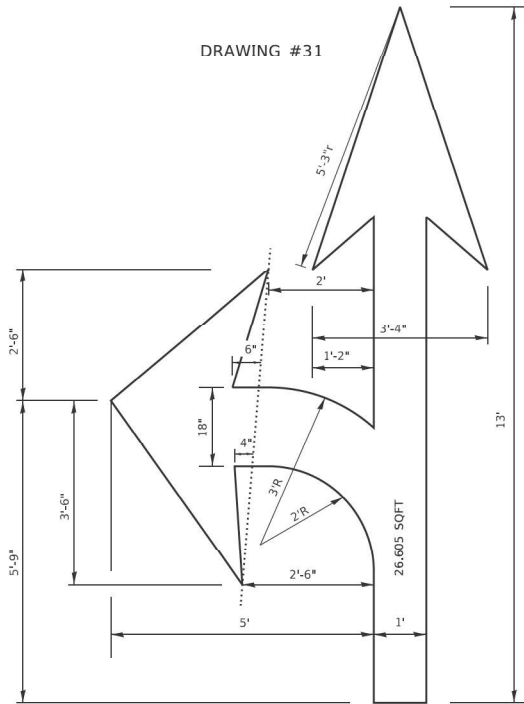
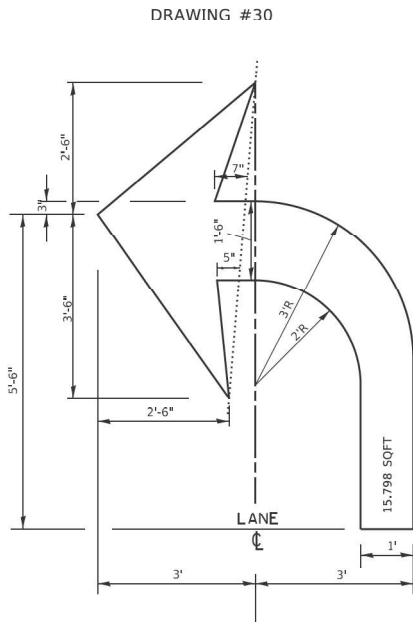
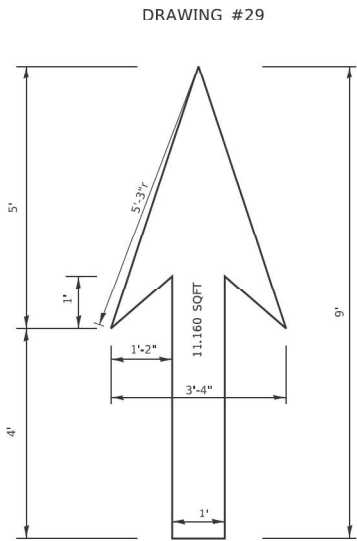
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	FAI 290 22 BRIDGE 3	COOK	161	158
TC-24		CONTRACT NO. 62U12		
		ILLINOIS FED. AID PROJECT		



NOTE:

- FOR BIKE LANE SYMBOLS ONLY, USE PRE-FORMED THERMOPLASTIC WITH A MINIMUM THICKNESS OF 90 MILS, MINIMUM SKID RESISTANCE VALUE OF 60 BPN, & A MINIMUM INDEX OF REFRACTION OF 1.50.
- THE RESIDENT ENGINEER SHALL CONTACT MR. BEN GOMBERG AT 312-744-8093 AT LEAST ONE CALENDAR WEEK PRIOR TO INSTALLING BIKE LANE SYMBOLS.

TYPICAL BIKE LANE SYMBOLS
DRAWING #28



NOTE:

ALL MARKINGS SHALL BE
SOLID WHITE UNLESS
OTHERWISE NOTED IN THE
PLANS



BLA, Inc.
ITASCA, ILLINOIS

USER NAME	= footemj
PLOT SCALE	= 50,0000 ' / in.
PLOT DATE	= 3/4/2019

DESIGNED	-
DRAWN	-
CHECKED	-
DATE	-

REVISED	- T. RAMMACHER 12-07-00
REVISED	-
REVISED	-
REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CITY OF CHICAGO
TYPICAL PAVEMENT MARKINGS

SCALE: NONE SHEET 2 OF 3 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	FAI 290 22 BRIDGE 3	COOK	161	159
TC-24		CONTRACT NO. 62U12		
		ILLINOIS FED. AID PROJECT		

MODEL: Default
FILE NAME: p:\AL084E\BID\NTEG\Illinois.gov\PIV\DOT\Documents\DOT_Offices\District_1\Projects\DH542323\CADData\CADsheets\TC24.dgn



BLA, Inc.
ITASCA, ILLINOIS

USER NAME	= footemj
PLOT SCALE	= 50,0000 ' / in.
PLOT DATE	= 3/4/2019

DESIGNED	-
DRAWN	-
CHECKED	-
DATE	-

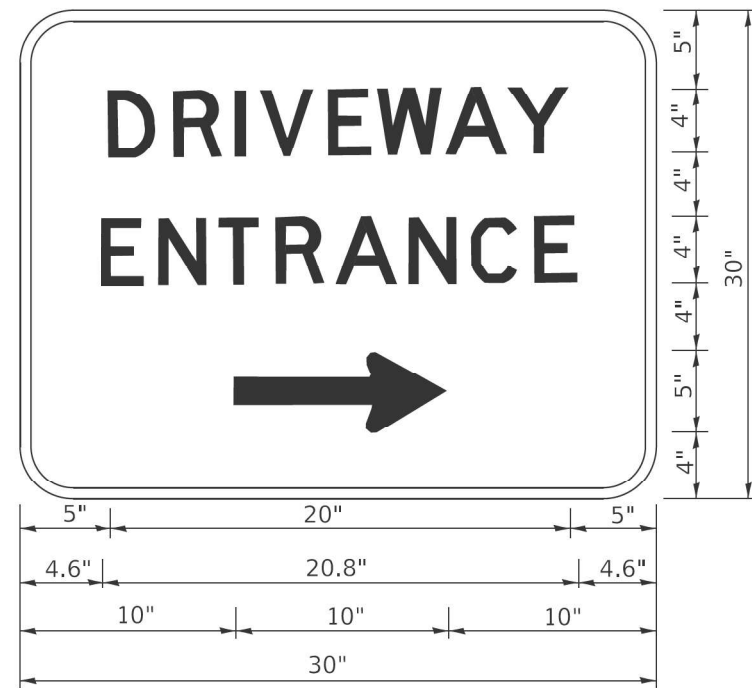
REVISED	- T. RAMMACHER 12-07-00
REVISED	-
REVISED	-
REVISED	-

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CITY OF CHICAGO
TYPICAL PAVEMENT MARKINGS**

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	FAI 290 22 BRIDGE 3	COOK	161	160
TC-24		CONTRACT NO. 62U12		
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: \\wte-pw\johnson.d\Illinois.gov\PI\DOT\Documents\DOT_Offices\District_1\Projects\DH\5422\2-1\CADData\CADsheets\tc26.dgn



BLA, Inc.
ITASCA, ILLINOIS

USER NAME = leysa	DESIGNED -	REVISED - C. JUCIUS 02-15-07
	DRAWN -	REVISED -
PLOT SCALE = 50,0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 8/6/2021	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRIVEWAY ENTRANCE SIGNING

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	FAI 290 22 BRIDGE 3	COOK	161	161
TC-26		CONTRACT NO. 62U12		
ILLINOIS		FED. AID PROJECT		