THIS PROJECT IS LOCATED IN:

CITY OF CHICAGO
VILLAGE OF RIVERDALE

06-13-2025 LETTING ITEM 016

FOR INDEX OF SHEETS, SEE SHEET NO. 2

Ciorba Group, Inc.

DESIGN FIRM
REGISTRATION NUMBER

184-001016

CONSULTING ENGINEERS
8725 W. HIGGINS RD. SUITE 600
CHICAGO, ILLINOIS 60631 :: (773) 775-4009

CIORBA GROUP, INC.
BRETT SAUTER, P.E., S.E.

DATE: _____

SIGNATURE AND SEAL APPLY TO DRAWINGS: 27-59

EXPIRES: 11/30/26

CIORBA GROUP, INC.
TIMOTHY B. HEUER, P.E.

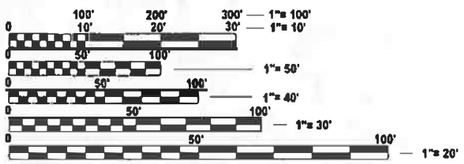
DATE: _____

SIGNATURE AND SEAL APPLY TO DRAWINGS: 1-26; 60-66

EXPIRES: 11/30/25

TRAFFIC DATA (IL 1):

MINOR ARTERIAL
ADT (2023) = 13,700 VPD
SPEED LIMIT = 40 MPH



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.

UTILITIES WITHIN VILLAGE OF RIVERDALE:

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

UTILITIES WITHIN CITY OF CHICAGO:

DIGGER
1-312-744-7000

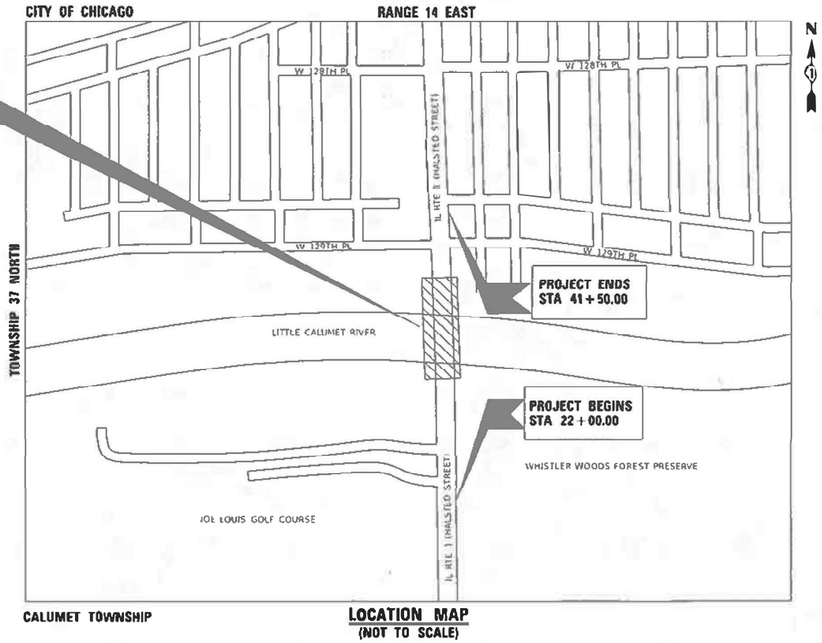
PROJECT MANAGER: PRAVEEN KAINI, P.E.

CONTRACT NO. 62X02

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED
HIGHWAY PLANS

FAU ROUTE 3730 IL 1 (HALSTED STREET)
OVER LITTLE CALUMET RIVER
SECTION NO: (K-B-2) BR 24
PROJECT NO: BR-STP-Y1E5(528)
BRIDGE DECK OVERLAY AND REHABILITATION
COOK COUNTY
C-91-282-24



LOCATION MAP
(NOT TO SCALE)

GROSS LENGTH = 420.25 FT. = 0.08 MILE
NET LENGTH = 420.25 FT. = 0.08 MILE

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3730	(K-B-2) BR 24	COOK	68	1
	ILLINOIS	CONTRACT NO. 62X02		

66 + 2 = 68 TOTAL SHEETS

D-91-218-24

LOCATION OF SECTION INDICATED THUS: -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED March 17th 2025

REGIONAL ENGINEER

May 9 2025

ENGINEER OF DESIGN AND ENVIRONMENT

May 9 2025

DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

REV-SEP

INDEX OF SHEETS

HIGHWAY STANDARDS

000001-08	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001006	DECIMAL OF AN INCH AND OF A FOOT
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
602001-02	CATCH BASIN TYPE A
602301-04	INLET TYPE A
602401-07	PRECAST MANHOLE TYPE A 4' DIAMETER
602406-11	PRECAST MANHOLE TYPE A 6' DIAMETER
602411-09	PRECAST MANHOLE TYPE A 7' DIAMETER
602601-06	PRECAST REINFORCED CONCRETE FLAT SLAB TOP
602701-02	MANHOLE STEPS
604001-05	FRAME AND LIDS TYPE 1
604036-03	FRAME AND GRATE TYPE 8
701101-05	OFF-RD OPERATIONS, MULTILANE, 15' TO 24" FROM PAVEMENT EDGE
701106-02	OFF-RD OPERATIONS, MULTILANE, MORE THAN 15' AWAY
701427-05	LANE CLOSURE MULTILANE INTERMITTENT OR MOVING OPERATIONS 40MPH OR LESS
701602-10	URBAN LANE CLOSURE, MULTILANE, 2W WITH BIDIRECTIONAL LEFT TURN LANE
701606-10	URBAN SINGLE LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
701611-01	URBAN HALF ROAD CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-10	TRAFFIC CONTROL DEVICES
704001-08	TEMPORARY CONCRETE BARRIER
780001-05	TYPICAL PAVEMENT MARKINGS
781001-04	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
782006-01	GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS

IDOT DISTRICT ONE STANDARD DETAILS

TC-10	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS AND DRIVEWAYS
TC-11	TRAFFIC APPLICATIONS RAISED RELECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)
TC-13	DISTRICT ONE TYPICAL PAVEMENT MARKINGS
TC-14	TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC)
TC-21	DETOUR SIGNING FOR CLOSING STATE HIGHWAYS
TC-22	ARTERIAL ROAD INFORMATION SIGNING
TC-26	DRIVEWAY ENTRANCE SIGNING

COMMITMENTS

1. TO CONSERVE THE NORTHERN LONG EARED BAT (NLEB) AND TRICOLORED BAT (TCB), NO TREE REMOVAL SHALL OCCUR BETWEEN APRIL 1 AND OCTOBER 31 OF ANY GIVEN YEAR.

GENERAL NOTES

1. THE CONTRACTOR SHALL TAKE EXTRA CARE IN GRADING AND EXCAVATING NEAR TREES WHICH ARE NOT MARKED FOR REMOVAL SO AS NOT TO CAUSE INJURY TO THE ROOT SYSTEM OR TRUNKS. ANY DAMAGE DONE TO EXISTING ITEMS BY THE CONTRACTOR SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR AT THE CONTRACTOR'S OWN EXPENSE. SEVERITY OF THE DAMAGE WILL BE DETERMINED BY THE ENGINEER.

2. THE CONTRACTOR SHALL NOT STORE ANY EQUIPMENT AND CONSTRUCTION MATERIALS WITHIN THE FOUR QUADRANTS OF THE BRIDGE, EXCEPT IN AREAS SPECIFIED BY THE ENGINEER. ANY CONSTRUCTION DEBRIS ACCUMULATED WITHIN THE AFOREMENTIONED AREAS SHALL BE REMOVED BY THE CONTRACTOR AT THE CONTRACTOR'S OWN EXPENSE.

3. TWO WEEKS PRIOR TO PLACEMENT OF PERMANENT PAVEMENT MAKINGS, THE ENGINEER SHALL CONTACT PATRICE HARRIS, AREA TRAFFIC FIELD TECHNICIAN AT PATRICE.HARRIS@ILLINOIS.GOV

4. 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

5. THE CONTRACTOR SHALL CONTACT KALPANA KANNAN-HOSADURGA, THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR FOR ARTERIALS AT KALPANA.KANNAN-HOSADURGA@ILLINOIS.GOV AT LEAST 72 HOURS IN ADVANCE OF BEGINNING WORK.

6. BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL DIGGER AT (312) 744-7000 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS UTILITIES. 48 HOUR NOTIFICATION IS REQUIRED.

7. THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT INCLUDING THE ROADSIDE DEVELOPMENT UNIT.

8. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.

9. FURNISHING, INSTALLING, AND RELOCATING TEMPORARY CONCRETE BARRIER AND TEMPORARY IMPACT ATTENUATORS SHALL BE IN ACCORDANCE WITH IDOT SPECIAL PROVISIONS, IDOT HIGHWAY STANDARDS, STANDARD SPECIFICATIONS, AND AS DIRECTED BY THE ENGINEER. PLACEMENT SHALL BE AS INDICATED BY THE PLANS. TEMPORARY CONCRETE BARRIER WALL SHALL BE CONTINUOUSLY PINNED TO THE PAVEMENT IN ACCORDANCE WITH IDOT STANDARD SPECIFICATIONS WHERE A 37-INCH CLEAR ZONE FREE FROM DROP-OFFS, FIXED OBJECTS, OR OTHER OBSTACLES CANNOT BE PROVIDED BEHIND THE WALL AND 24"DEFLECTION AREA BEHIND FREE STANDING TEMPORARY CONCRETE BARRIER WALL.

10. EXISTING VEGETATED AREAS (TREES, SHRUBS, VEGETATIVE BUFFERS, TURF AREAS, ETC.) WHERE DISTURBANCE IS NOT OCCURRING (INCLUDING AREAS OUTSIDE THE PROJECT LIMITS) SHALL NOT BE DISTURBED TO ENSURE THAT EXISTING VEGETATION IS PRESERVED HEALTHY TO MINIMIZE SOIL EROSION AND TO ELIMINATE SOIL COMPACTION. NO MATERIALS ARE TO BE STORED OR VEHICLES DRIVEN OR PARKED WITHIN THESE UNDISTURBED AREAS AT ANY TIME.

11. IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CONTACT THE ROADSIDE DEVELOPMENT UNIT AT 847.705.4171 TO SCHEDULE A WALK THROUGH TO DETERMINE TREE PROTECTION AND TREE REMOVAL A MINIMUM OF 14 DAYS PRIOR TO THE COMMENCEMENT OF CONSTRUCTION. ALL TREE PROTECTION SHALL BE COMPLETED BEFORE CONSTRUCTION OPERATIONS COMMENCE IN ANY AREA. AT NO TIME SHALL THE CONTRACTOR PRUNE OR REMOVE ANY TREES UNLESS SPECIFICALLY DIRECTED BY THE ROADSIDE DEVELOPMENT UNIT.

12. DURING CLEANING AND PAINTING OPERATIONS THE CONTRACTOR SHALL PROVIDE CLEAN LAVATORY AND HAND WASHING FACILITIES ACCORDING TO OSHA REGULATIONS AND CONFIRM THAT EMPLOYEES WASH HANDS, FOREARMS, AND FACE BEFORE BREAKS. THE FACILITIES SHALL BE LOCATED AT THE PERIMETER OF THE REGULATED AREA IN CLOSE PROXIMITY TO THE PAINT REMOVAL OPERATION. SHOWER FACILITIES SHALL BE PROVIDED WHEN WORKERS' EXPOSURES EXCEED THE PERMISSIBLE EXPOSURE LIMIT. SHOWERS SHALL BE LOCATED AT EACH BRIDGE SITE, OR IF ALLOWED BY OSHA REGULATIONS, AT A CENTRAL LOCATION TO SERVICE MULTIPLE BRIDGES. THE SHOWER AND WASH FACILITIES SHALL BE CLEANED AT LEAST DAILY DURING USE.

13. THE CONTRACTOR SHALL OBTAIN COAST GUARD APPROVAL FOR ANY WORK THAT MAY INTERFERE WITH NAVIGATIONAL OPERATIONS OF THE NAVIGABLE WATERS. A WORK PLAN SHALL BE PREPARED BY THE CONTRACTOR, REVIEWED AND APPROVED BY THE ENGINEER, AND BE SUBMITTED BY THE ENGINEER TO THE COAST GUARD AT THE ADDRESS LISTED BELOW FOR APPROVAL.

BRIDGE ADMINISTRATOR
US COAST GUARD
NINTH COAST GUARD DISTRICT
1240 E. NINTH ST
CLEVELAND, OH 44199-2060

DRAINAGE NOTES

1. THE CONTRACTOR SHALL MAINTAIN THE SURFACE DRAINAGE OF ALL ROADWAYS DURING CONSTRUCTION OF THIS PROJECT. WHEN EXISTING DRAINAGE FACILITIES ARE DISTURBED THE CONTRACTOR SHALL PROVIDE AND MAINTAIN TEMPORARY OUTLETS AND CONNECTIONS FOR ALL PRIVATE OR PUBLIC DRAINS, SEWERS, AND CATCH BASINS. HE SHALL PROVIDE FACILITIES TO TAKE IN ALL STORM WATER WHICH WILL BE RECEIVED BY THESE DRAINS AND SEWERS AND DISCHARGE THE SAME. HE SHALL PROVIDE AND MAINTAIN A PUMPING PLANT, IF NECESSARY, AND TEMPORARY OUTLET AND BE PREPARED AT ALL TIMES TO DISPOSE OF THE WATER RECEIVED FROM THESE TEMPORARY CONNECTIONS UNTIL SUCH TIME AS THE PERMANENT CONNECTIONS WITH SEWERS ARE BUILT AND IN SERVICE. THIS WORK SHALL BE INCLUDED IN THE COST OF THE CONTRACT.

2. THE CONTRACTOR SHALL PROTECT EXISTING UTILITIES WHEN CONSIDERED NECESSARY BY THE ENGINEER BY METHODS APPROVED BY THE ENGINEER AND HE SHALL BRACE AND SUPPORT THE UTILITIES PROPERLY TO PREVENT THE SETTLEMENT, DISPLACEMENT, OR DAMAGE TO THE UTILITIES. THE PROTECTION OF THE UTILITIES AS SPECIFIED HEREIN WILL NOT BE PAID FOR SEPARATELY BUT THE COST SHALL BE CONSIDERED AS INCIDENTAL TO THE CONTRACT.

4. THE CONTRACTOR SHALL VERIFY THE INVERTS, SIZES, AND MATERIAL FOR ALL EXISTING STORM SEWERS THAT ARE BEING CONNECTED TO THE PROPOSED STORM SEWER SYSTEM.

5. ANY ABANDONED UTILITY OR SEWER ENCOUNTERED DURING CONSTRUCTION OR ANY UTILITY OR SEWER ABANDONED AS PART OF THE CONSTRUCTION THAT IS NOT BEING FILLED WITH CLSM AS PER PLAN, SHALL BE PLUGGED AS DIRECTED BY THE ENGINEER AND ABANDONED IN PLACE. THIS WORK SHALL BE INCLUDED IN THE COST OF THE CONTRACT.

6. DURING CONSTRUCTION OPERATIONS, IF ANY LOOSE MATERIAL IS DEPOSITED IN THE FLOW LINE OF DITCHES, GUTTERS OR OTHER DRAINAGE STRUCTURES SUCH THAT THE NATURAL FLOW OF WATER IS OBSTRUCTED, THE MATERIAL SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. AT THE CONCLUSION OF THE CONSTRUCTION OPERATIONS, ALL DRAINAGE STRUCTURES SHALL BE FREE FROM ALL DIRT AND DEBRIS. THIS WORK SHALL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE CONTRACT.

7. EXISTING BROKEN FRAMES AND LIDS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AND SHALL BE REPLACED AS DIRECTED BY THE RESIDENT ENGINEER. REPLACEMENT FRAMES AND LIDS WILL BE PAID FOR ACCORDING TO ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS UNLESS A SEPARATE PAY ITEM HAS BEEN PROVIDED.

8. BACKFILLING STORM SEWER CONSTRUCTED UNDER THE ROADWAY SPECIFIED UNDER ART. 550.07(b,c) OF THE SSRBC WILL NOT BE ALLOWED.

9. DRAINAGE STRUCTURE CONES/TOP SLABS SHALL BE ROTATED SO THAT THE FRAME IS OUTSIDE OF THE WHEEL PATH.

10. DRAINAGE STRUCTURE ELEVATIONS: GRADES OF SEWER LINES WERE DETERMINED FROM AVAILABLE PLANS AND SURVEYS. ACCORDINGLY, AS DIRECTED BY THE ENGINEER, THE INVERTS OF THE PROPOSED DRAINAGE WILL BE REVISED TO MEET EXISTING FIELD CONDITIONS.

11. FRAME ELEVATIONS ARE GIVEN ONLY TO ASSIST IN DETERMINING THE APPROXIMATE OVERALL HEIGHT OF THE STRUCTURE. FRAMES ON ALL NEW STRUCTURES WILL BE ADJUSTED TO THE FINAL ELEVATION OF THE AREA IN WHICH THEY ARE LOCATED.

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

USER NAME =	DESIGNED - TBH	REVISED -
	CHECKED - TBH	REVISED -
PLOT SCALE =	DRAWN - JM	REVISED -
PLOT DATE =	CHECKED -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL RTE 1 (HALSTED AVE.)
INDEX, STANDARDS & GENERAL NOTES

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3730	(K-B-2) BR24	COOK	66	2
		CONTRACT NO. 62X02		
	ILLINOIS	FED. AID PROJECT		

SPECIALTY ITEM	CODE NO.	ITEM	UNIT	TOTAL	80 FED/ 20 STP ROADWAY 0004	80 FED / 20 BR BRIDGE 0059 016-0193
	20101400	NITROGEN FERTILIZER NUTRIENT	POUND	2	2	
	20101600	POTASSIUM FERTILIZER NUTRIENT	POUND	2	2	
	20200100	EARTH EXCAVATION	CU YD	23	23	
	20800150	TRENCH BACKFILL	CU YD	605	605	
	21101625	TOPSOIL FURNISH AND PLACE, 6"	SQ YD	95	95	
	25000210	SEEDING, CLASS 2A	ACRE	0.25	0.25	
	25100630	EROSION CONTROL BLANKET	SQ YD	95	95	
	28000510	INLET FILTERS	EACH	32	32	
	28100105	STONE RIPRAP, CLASS A3	SQ YD	19	19	
	28200200	FILTER FABRIC	SQ YD	19	19	
	31101180	SUBBASE GRANULAR MATERIAL, TYPE B 2"	SQ YD	25	25	
	40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	1,334	1,334	
	40600370	LONGITUDINAL JOINT SEALANT	FOOT	800	800	
	40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	3	3	
	40603200	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50	TON	83	83	
	40604062	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70	TON	166	166	
	42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	205	205	

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

USER NAME =	DESIGNED - TBH	REVISED -
	CHECKED - TBH	REVISED -
PLOT SCALE =	DRAWN - JM	REVISED -
PLOT DATE =	CHECKED -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL RTE 1 (HALSTED AVE.)
SUMMARY OF QUANTITIES

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

F.A.U. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3730	(K-B-2) BR24	COOK	66	3
		CONTRACT NO. 62X02		
		ILLINOIS | FED. AID PROJECT		

MODEL: $MODELNAMES
FILE NAME: pw://ciorba-pw.bentley.com:ciorba-pw-01/Documents/Projects/IL_DOT/D1/0021693.09/CADD/Sht/MiscSheets/00021693.09-SOQ.dgn

3/14/2025 11:42:05 AM

REV-SEP

SPECIALTY ITEM	CODE NO.	ITEM	UNIT	TOTAL	80 FED/ 20 STP ROADWAY 0004	80 FED/ 20 BR BRIDGE 0059 016-0193
	44000158	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"	SQ YD	1,976	1,976	
	44201741	CLASS D PATCHES, TYPE II, 8 INCH	SQ YD	40	40	
	44201745	CLASS D PATCHES, TYPE III, 8 INCH	SQ YD	31	31	
	44201747	CLASS D PATCHES, TYPE IV, 8 INCH	SQ YD	304	304	
	48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	14	14	
	50102400	CONCRETE REMOVAL	CU YD	23.2		23.2
	50157300	PROTECTIVE SHIELD	SQ YD	1,621		1,621
	50300255	CONCRETE SUPERSTRUCTURE	CU YD	23.2		23.2
	50300300	PROTECTIVE COAT	SQ YD	3,155		3,155
	50500405	FURNISHING AND ERECTING STRUCTURAL STEEL	POUND	2,160		2,160
	50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	3,060		3,060
	50800515	BAR SPLICERS	EACH	68		68
	50901750	PARAPET RAILING	FOOT	16		16
	52000110	PREFORMED JOINT STRIP SEAL	FOOT	256		256
	550A0330	STORM SEWERS, CLASS A, TYPE 2 10"	FOOT	18	18	
	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	FOOT	68	68	

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

USER NAME =	DESIGNED - TBH	REVISED -
	CHECKED - TBH	REVISED -
PLOT SCALE =	DRAWN - JM	REVISED -
PLOT DATE =	CHECKED -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL RTE 1 (HALSTED AVE.)
SUMMARY OF QUANTITIES

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

F.A.U. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3730	(K-B-2) BR24	COOK	66	4
	- - -	CONTRACT NO. 62X02		
	ILLINOIS	FED. AID PROJECT		

MODEL: $MODELNAME$
FILE NAME: pw://ciorba-pw.bentley.com:ciorba-pw-01/Documents/Projects/IL_DOT/D1/0021693.09/CADD/Sht/MiscSheets/0021693.09-SOQ.dgn

3/14/2025 11:42:05 AM

REV-SEP

SPECIALTY ITEM	CODE NO.	ITEM	UNIT	TOTAL	80 FED/ 20 STP ROADWAY 0004	80 FED/ 20 BR BRIDGE 0059 016-0193
	550A0380	STORM SEWERS, CLASS A, TYPE 2 18"	FOOT	62	62	
	550A0410	STORM SEWERS, CLASS A, TYPE 2 24"	FOOT	29	29	
	550A0430	STORM SEWERS, CLASS A, TYPE 2 30"	FOOT	25	25	
	550A0450	STORM SEWERS, CLASS A, TYPE 2 36"	FOOT	22	22	
	55100300	STORM SEWER REMOVAL 8"	FOOT	21	21	
	55100500	STORM SEWER REMOVAL 12"	FOOT	70	70	
	55100700	STORM SEWER REMOVAL 15"	FOOT	163	163	
	58700300	CONCRETE SEALER	SQ FT	6,050		6,050
	59000200	EPOXY CRACK INJECTION	FOOT	144		144
	60200105	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	1	1	
	60200805	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 8 GRATE	EACH	1	1	
	60203805	CATCH BASINS, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	1	1	
	60218300	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	1	1	
	60221100	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1	1	
	60223700	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	1	1	
	60224445	MANHOLES, TYPE A, 7'-DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	1	1	

SPECIALTY ITEM	CODE NO.	ITEM	UNIT	TOTAL	80 FED/ 20 STP ROADWAY 0004	80 FED/ 20 BR BRIDGE 0059 016-0193
	60224446	MANHOLES, TYPE A, 7'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	2	2	
	60300305	FRAMES AND LIDS TO BE ADJUSTED	EACH	4	4	
	60500040	REMOVING MANHOLES	EACH	3	3	
	60500050	REMOVING CATCH BASINS	EACH	1	1	
	60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	9	9	
△	66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	200	200	
△	66900530	SOIL DISPOSAL ANALYSIS	EACH	1	1	
△	66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	L SUM	1	1	
△	66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	L SUM	1	1	
△	66901006	REGULATED SUBSTANCES MONITORING	CAL DA	3	3	
	67100100	MOBILIZATION	L SUM	1	1	
	70107025	CHANGEABLE MESSAGE SIGN	CAL DA	180	180	
	70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	5,900	5,900	
	70307120	TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE	FOOT	25,996	25,996	
	70307160	TEMPORARY PAVEMENT MARKING - LINE 12"- TYPE IV TAPE	FOOT	565	565	
	70307210	TEMPORARY PAVEMENT MARKING- LINE 24"- TYPE IV TAPE	FOOT	28	28	
	70400100	TEMPORARY CONCRETE BARRIER	FOOT	1,050	1,050	

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

USER NAME =	DESIGNED - TBH	REVISED -
	CHECKED - TBH	REVISED -
PLOT SCALE =	DRAWN - JM	REVISED -
PLOT DATE =	CHECKED -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL RTE 1 (HALSTED AVE.)
SUMMARY OF QUANTITIES

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

F.A.U. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3730	(K-B-2) BR24	COOK	66	6
		CONTRACT NO. 62X02		
		ILLINOIS | FED. AID PROJECT		

MODEL: $MODELNAME$
FILE NAME: pw://ciorba-pw.bentley.com:ciorba-pw-01/Documents/Projects/IL_DOT/D1/0021693.09/CADD/Sht/MiscSheets/0021693.09-SOQ.dgn

3/14/2025 11:42:05 AM

REV-SEP

SPECIALTY ITEM	CODE NO.	ITEM	UNIT	TOTAL	80 FED/ 20 STP ROADWAY 0004	80 FED/ 20 BR BRIDGE 0059 016-0193
	70400125	PINNING TEMPORARY CONCRETE BARRIER	EACH	107	107	
	70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	2,412.5	2,412.5	
	70600255	IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 2	EACH	6	6	
	70600322	IMPACT ATTENUATORS, RELOCATE (FULLY REDIRECTIVE, NARROW), TEST LEVEL 2	EACH	14	14	
△	78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	3,764	3,764	
△	78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	275	275	
△						
△	78004635	PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - STANDARD - LINE 7"	FOOT	240	240	
	78009004	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	FOOT	958	958	
△	78011025	GROOVING FOR RECESSED PAVEMENT MARKING 5"	FOOT	958	958	
△	78011040	GROOVING FOR RECESSED PAVEMENT MARKING 8"	FOOT	240	240	
	78300202	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	10,418	10,418	
	Z0001800	APPROACH SLAB REPAIR (PARTIAL DEPTH)	SQ YD	2		2
	X5051204	STRUCTURAL STEEL REMOVAL	POUND	2,160		2,160
	Z0007101	CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES NO. 1	L SUM	1		1
	Z0010501	CLEANING AND PAINTING STEEL BRIDGE NO. 1	L SUM	1		1
	X5230152	CLEANING DRAINAGE SYSTEM	L SUM	1		1

SPECIALTY ITEM	CODE NO.	ITEM	UNIT	TOTAL	80 FED/ 20 STP ROADWAY 0004	80 FED/ 20 BR BRIDGE 0059 016-0193
	Z0012102	CONCRETE BRIDGE DECK SCARIFICATION 3/8 INCH	SQ YD	2,037		2,037
	Z0012193	BRIDGE DECK THIN POLYMER OVERLAY 3/8"	SQ YD	2,037		2,037
	Z0012754	STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5 INCHES)	SQ FT	129		129
	Z0012755	STRUCTURAL REPAIR OF CONCRETE (DEPTH GREATER THAN 5 INCHES)	SQ FT	33		33
	Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1	
	Z0016200	DECK SLAB REPAIR (PARTIAL)	SQ YD	18		18
	Z0018500	DRAINAGE STRUCTURES TO BE CLEANED	EACH	12	12	
	X7200061	TEMPORARY INFORMATION SIGNING	SQ FT	178	178	
△	Z0073510	TEMPORARY TRAFFIC SIGNAL TIMING	EACH	4	4	
	X0322916	PROPOSED STORM SEWER CONNECTION TO EXISTING STORM SEWER	EACH	1	1	
	X2130010	EXPLORATION TRENCH (SPECIAL)	FOOT	200	200	
	X2800500	INLET PROTECTION (SPECIAL)	EACH	2	2	
	X4022000	TEMPORARY ACCESS (COMMERCIAL ENTRANCE)	EACH	1	1	
	X5030530	FLOOR DRAIN EXTENSION	EACH	16		16
	X5051206	STRUCTURAL STEEL REPAIR	POUND	20,550		20,550
	X5060700	CLEANING AND PAINTING BEARINGS	EACH	14		14
	X5509900	ABANDON AND FILL EXISTING STORM SEWER	FOOT	15	15	

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

USER NAME =	DESIGNED - TBH	REVISED -
	CHECKED - TBH	REVISED -
PLOT SCALE =	DRAWN - JM	REVISED -
PLOT DATE =	CHECKED -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL RTE 1 (HALSTED AVE.)
SUMMARY OF QUANTITIES

SCALE: | SHEET 6 OF 7 SHEETS | STA. | TO STA.

F.A.U. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3730	(K-B-2) BR24	COOK	66	8
		CONTRACT NO. 62X02		
		ILLINOIS	FED. AID PROJECT	

MODEL: $MODELNAMES
FILE NAME: pw://ciorba-pw.bentley.com:ciorba-pw-01/Documents/Projects/IL_DOT/D1/0021693.09/CADD/Sht/MiscSheets/00021693.09-SOQ.dgn

3/14/2025 11:42:06 AM

REV-SEP

SPECIALTY ITEM	CODE NO.	ITEM	UNIT	TOTAL	80 FED/ 20 STP ROADWAY 0004	80 FED/ 20-BR BRIDGE 0059 016-0193
	X5510011	PROPOSED STORM SEWER CONNECTION TO EXISTING MANHOLE	EACH	2	2	
	X5537800	STORM SEWERS TO BE CLEANED 12"	FOOT	402	402	
	X5538900	STORM SEWERS TO BE CLEANED 54"	FOOT	182	182	
	X6025604	PROPOSED MANHOLE/CATCH BASIN CONNECTION OVER EXISTING STORM SEWER	EACH	4	4	
	X6700407	ENGINEER'S FIELD OFFICE, TYPE A (D1)	CAL MO	12	12	
	X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1	
△	X7830050	RAISED REFLECTIVE PAVEMENT MARKER, REFLECTOR REMOVAL	EACH	132	132	
△	X7830052	RAISED REFLECTIVE PAVEMENT MARKER, REFLECTOR REPLACEMENT	EACH	132	132	
Ø	Z0076600	TRAINEES	HOUR	500	500	
Ø	Z0076604	TRAINEES - TRAINING PROGRAM GRADUATE	HOUR	500	500	

Ø 0042

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

USER NAME =	DESIGNED - TBH	REVISED -
	CHECKED - TBH	REVISED -
PLOT SCALE =	DRAWN - JM	REVISED -
PLOT DATE =	CHECKED -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL RTE 1 (HALSTED AVE.)
SUMMARY OF QUANTITIES

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

F.A.U. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3730	(K-B-2) BR24	COOK	66	9
		CONTRACT NO. 62X02		
	ILLINOIS	FED. AID PROJECT		

MODEL: $MODELNAME$
FILE NAME: pw: //ciorbap w.bentley .com:ciorbap w-01/Documents/Projects/IL_DOT/D1/0021693.09/CADD/Sht/MiscSheets/0021693.09-SOQ.dgn

3/14/2025 11:42:06 AM

REV-SEP

HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70; 1.50"			
LOCATION			TON
STATION	STATION	L/R	
24+10.00	28+10.00	CL	**165.9**
TOTAL			**166**

POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50; 0.75"			
LOCATION			TON
STATION	STATION	L/R	
24+10.00	28+10.00	CL	**83.0**
TOTAL			**83**

CLASS D PATCHES, TYPE IV, 8 INCH			
LOCATION			SY YD
STATION	STATION	L/R	
24+95.00	25+38.00	CL	**52.6**
24+95.00	25+76.00	L	**122.8**
25+76.00	26+68.40	L	**127.7**
TOTAL			**304**

CLASS D PATCHES, TYPE III, 8 INCH			
LOCATION			SY YD
STATION	STATION	L/R	
25+27.00	25+35.00	R	**15.1**
26+34.50	26+42.50	R	**15.1**
TOTAL			**31**

CLASS D PATCHES, TYPE II, 8 INCH			
LOCATION			SY YD
STATION	STATION	L/R	
26+34.50	26+42.50		**9.8**
27+56.50	27+62.50	CL	**7.3**
27+56.50	27+62.50	R	**10.7**
27+56.50	27+62.50	L	**11.3**
TOTAL			**40**

TEMPORARY CONCRETE BARRIER				
LOCATION				FOOT
	STATION	STATION	L/R	
STAGE 1	24+40.00	27+90.00	R	**350.0**
STAGE 2	24+25.00	27+75.00	R	**350.0**
STAGE 2	24+50.00	28+00.00	L	**350.0**
TOTAL				**1,050.0**

RELOCATE TEMPORARY CONCRETE BARRIER				
LOCATION				FOOT
	STATION	STATION	L/R	
STAGE 3	24+50.00	25+50.00	L	**100.0**
STAGE 3	26+02.50	26+65.00	L	**62.5**
STAGE 3	27+15.00	27+90.00	L	**75.0**
STAGE 4	29+19.00	34+81.50	R	**562.5**
STAGE 5	29+30.00	34+92.50	L	**562.5**
STAGE 6	29+30.00	34+55.00	R	**525.0**
STAGE 6	29+55.00	34+80.00	L	**525.0**
TOTAL				**2,412.5**

IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 2			
LOCATION			EACH
	STATION	L/R	
STAGE 1	24+40.00	R	**1.0**
STAGE 1	27+90.00	R	**1.0**
STAGE 2	24+25.00	R	**1.0**
STAGE 2	27+75.00	R	**1.0**
STAGE 3	24+50.00	L	**1.0**
STAGE 3	25+50.00	L	**1.0**
TOTAL			**6**

IMPACT ATTENUATORS, RELOCATE (FULLY REDIRECTIVE, NARROW), TEST LEVEL 2			
LOCATION			EACH
	STATION	L/R	
STAGE 2	24+50.00	L	**1.0**
STAGE 2	28+00.00	L	**1.0**
STAGE 3	26+02.50	L	**1.0**
STAGE 3	26+65.00	L	**1.0**
STAGE 3	27+15.00	L	**1.0**
STAGE 3	27+90.00	L	**1.0**
STAGE 4	29+19.00	R	**1.0**
STAGE 4	34+81.50	R	**1.0**
STAGE 5	29+30.00	L	**1.0**
STAGE 5	34+92.50	L	**1.0**
STAGE 6	29+30.00	R	**1.0**
STAGE 6	34+55.00	R	**1.0**
STAGE 6	29+55.00	L	**1.0**
STAGE 6	34+80.00	L	**1.0**
TOTAL			**14**

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

USER NAME =	DESIGNED - TBH	REVISED -
	CHECKED - TBH	REVISED -
PLOT SCALE =	DRAWN - JM	REVISED -
PLOT DATE =	CHECKED -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL RTE 1 (HALSTED AVE.)
SCHEDULE OF QUANTITIES

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3730	(K-B-2) BR24	COOK	66	10
		CONTRACT NO. 62X02		
	ILLINOIS	FED. AID PROJECT		

NOTE TO REVIEWER:

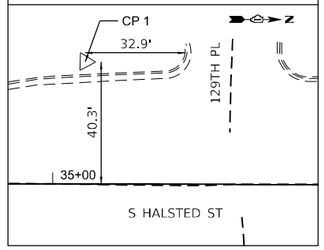
THE ALIGNMENT IN THIS SHEET REPRESENTS ALL ROADWAY COMPONENTS OF THE PROJECT, INCLUDING: MOT, DRAINAGE, PATCHING, AND PAVEMENT MARKING RESTORATION. THE PHASE 1 PROPOSED DRAINAGE PLAN REFERENCED THIS ALIGNMENT.

THE BRIDGE PLANS REFERENCE A DIFFERENT ALIGNMENT, TAKEN FROM EXISTING BRIDGE PLANS REFERENCED IN THE PHASE 1 BRIDGE CONDITION REPORT.

CP 1: GPS CP

GPS CONTROL POINT 40' NORTH OF EXISTING ALIGNMENT

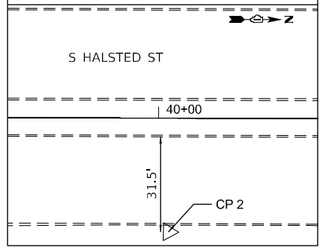
N: 1,818,857.24 E: 1,173,329.18 STA: 35+10.71 OFFSET: 40.25 LT ELEV: 603.29



CP 2: GPS

GPS CONTROL POINT 38' SOUTH OF EXISTING ALIGNMENT

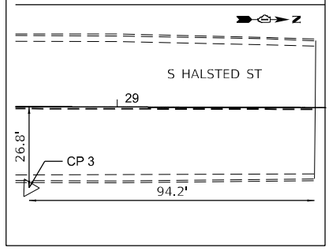
N: 1,819,352.33 E: 1,173,390.05 STA: 40+03.35 OFFSET: 38.03 RT ELEV: 599.30



CP 3: GPS

GPS CONTROL POINT 94' SOUTH OF EXISTING BRIDGE APPROACH SLAB

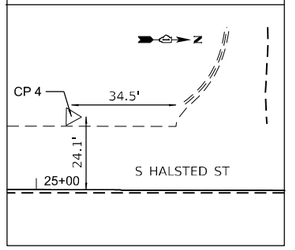
N: 1,818,220.24 E: 1,173,418.16 STA: 28+70.97 OFFSET: 26.17 RT ELEV: 602.47

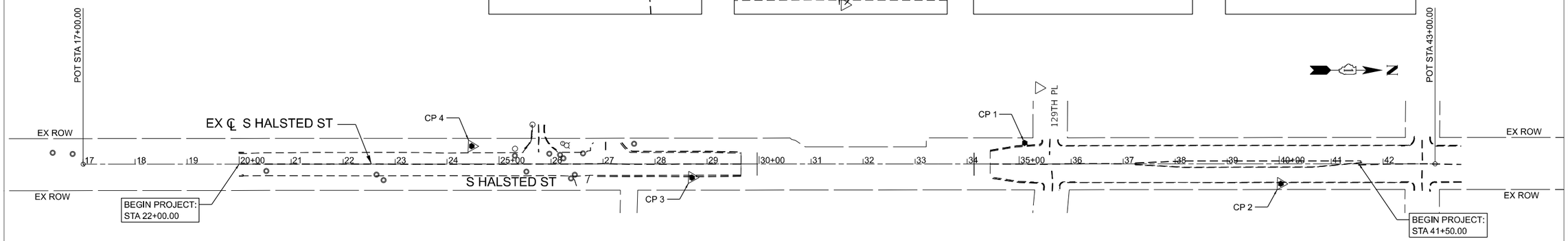


CP 4: GPS

GPS CONTROL POINT 130' SOUTH OF EXISTING GRADE LINE OF GOLF COURSE PARKING LOT ENTRANCE

N: 1,817,794.68 E: 1,173,372.58 STA: 24+47.28 OFFSET: 34.41 LT ELEV: 596.34





PROJECT ALIGNMENT

S HALSTED ST - PROPOSED ALIGNMENT			
DESCRIPTION	**STATION**	**NORTHING**	**EASTING**
P.O.T	43+00.00	1,819,647.45	1,173,341.49
P.O.T	17+00.00	1,817,049.05	1,173,432.76

NOTES:

1. ALL COORDINATES SHOWN ARE BASED UPON THE ILLINOIS STATE PLANE COORDINATE SYSTEM EAST ZONE, MAP COORDINATES REFLECT NAD 83
2. ALL COORDINATE VALUES SHOWN ARE IN THE U.S. SURVEY FOOT UNITS.
3. ELEVATIONS REFLECT THE NAVD 88 (GEOID12A ADJUSTMENT).
4. SOME OR ALL OF THE CONTROL POINTS AND BENCHMARKS MAY BE DESTROYED DURING CONSTRICTION. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO IDENTIFY AND RELOCARE THESE OUTSIDE OF THE CONSTRUCTION LIMITS PRIOR TO COMMENCEMENT OF CONSTRUCTION.

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

USER NAME =	DESIGNED - TBH	REVISED -
	CHECKED - TBH	REVISED -
PLOT SCALE =	DRAWN - JM	REVISED -
PLOT DATE =	CHECKED -	REVISED -

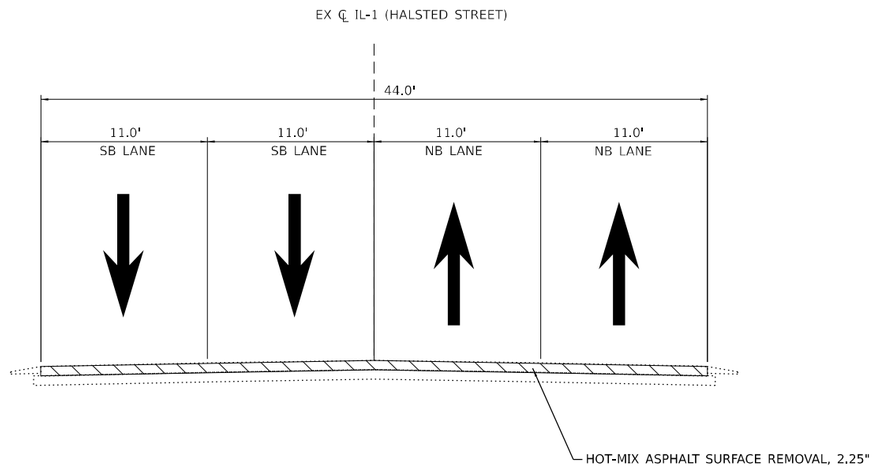
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL RTE 1 (HALSTED AVE.)
ALIGNMENT, TIES, AND BENCHMARKS

SCALE: | SHEET 1 OF 1 SHEETS | STA. 17+00.00 | TO STA. 47+00.00

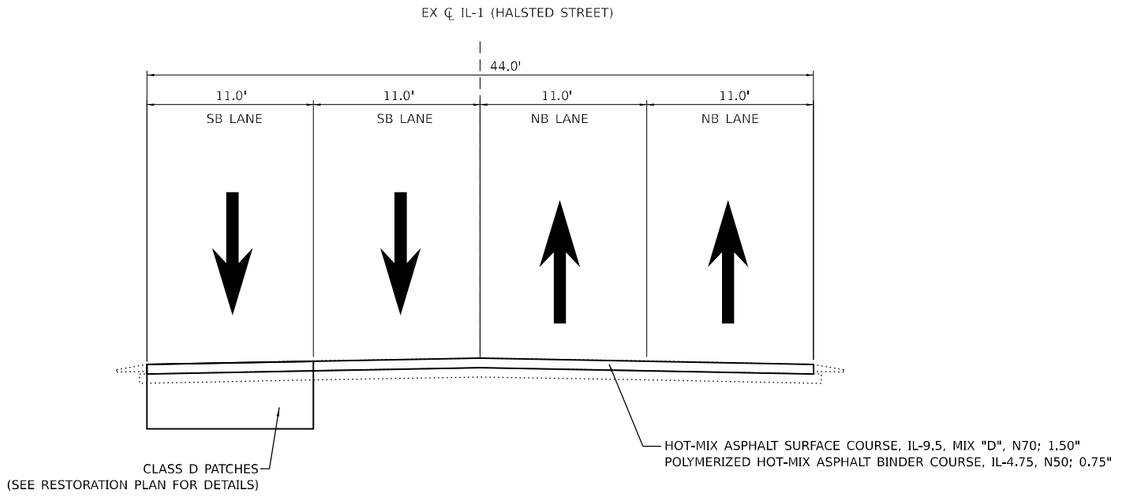
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3730	(K-B-2) BR24	COOK	66	11
		CONTRACT NO. 62X02		
	ILLINOIS	FED. AID PROJECT		

MODEL: $MODELNAMES
FILE NAME: pw://ciorba-pw.bentley.com:ciorba-pw-01/Documents/Projects/IL_DOT/D1/0021693.09/CADD/Shr/MiscSheets/0021693.09-ATB.dgn
3/14/2025 11:44:38 AM



EXISTING TYPICAL SECTION

STA. 24+10.00 TO STA. 28+10.00



PROPOSED TYPICAL SECTION

STA. 24+10.00 TO STA. 28+10.00

HOT-MIX ASPHALT MIXTURE REQUIREMENTS		
MIXTURE TYPE	PERCENT AIR VOIDS	QMP
PAVEMENT RESURFACING		
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70; 1.50"	4% @ 70 GYR.	QC/QA
POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50; 0.75"	3.5% @ 50 GYR.	QC/QA
CLASS D PATCHES		
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70; 8.0"	4% @ 70 GYR.	QC/QA
QMP DESIGNATION: QUALITY CONTROL/QUALITY ASSURANCE.		

NOTE:

1. THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN.
2. THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76 -22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64 -22" UNLESS MODIFIED BY RECLAIMED MATERIALS SPECIFICATIONS.
3. LONGITUDINAL JOINT SEALANT SHALL BE PLACED ON THE POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50.

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

USER NAME =	DESIGNED - TBH	REVISED -
	CHECKED - TBH	REVISED -
PLOT SCALE =	DRAWN - JM	REVISED -
PLOT DATE =	CHECKED -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL RTE 1 (HALSTED AVE.)
TYPICAL SECTIONS

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3730	(K-B-2) BR24	COOK	66	11A
		CONTRACT NO. 62X02		
	ILLINOIS	FED. AID PROJECT		

MODEL: sMODELNAMES
FILE NAME: pw:\\ciorba-pw.bentley.com:ciorba-pw-01\Documents\Projects\IL_DOT\D1\0021693.09\CADD\Sht\TypicalSections\0021693.09-Typical.dgn

4/30/2025 12:33:55 PM

GENERAL NOTES

NOTES:

1. THE CONTRACTOR SHALL NOT OBSTRUCT ANY EXISTING SIGN OR PEDESTRIAN SIDEWALK WITH THE PLACEMENT OF TEMPORARY CONSTRUCTION SIGNING. THE CONTRACTOR MUST MAINTAIN A 4-FOOT MINIMUM CLEAR WIDTH ON ALL SIDEWALKS WHEN INSTALLING CONSTRUCTION SIGNS ON OR NEAR SIDEWALKS THAT ARE OPEN TO PEDESTRIANS.

2. DRUMS AND BARRICADES ALONG THE ARTERIAL ROADWAYS SHALL BE PLACED AS FOLLOWS: 25' C-C ALONG TANGENTS, 20' C-C ALONG TAPERS, 10' C-C ALONG RADII/CURVES.

3. 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 AT THE RESPECTIVE CONTRACT UNIT PRICE.

4. THE "ROAD CONSTRUCTION AHEAD" SIGNS SHALL REMAIN INSTALLED UNTIL THE COMPLETION OF THE PROJECT OR WHEN NO ROADWAY HAZARDS REMAIN WITHIN THE WORK ZONE.

5. CHANGEABLE MESSAGE SIGNS SHALL BE INSTALLED TWO WEEKS PRIOR TO ALL ROAD CLOSURE, TRAFFIC STAGE CHANGES, AND NEW TRAFFIC SIGNAL TURN-ON EVENTS ON EACH APPROACH OF THE EFFECTED ROADWAY TO WARN MOTORISTS OF THE UPCOMING EVENT. THE SIGNS SHALL BE REMOVED TWO WEEKS THEREAFTER UNLESS THE SIGNS ARE NEEDED AGAIN FOR A SUBSEQUENT FUTURE EVENT THAT WILL OCCUR WITHIN 2 WEEKS ON THE SAME APPROACH OF THE EFFECTED ROADWAY. THE SIGN LOCATIONS SHALL BE (DETERMINED BY THE ENGINEER) PLACED AS DIRECTED BY THE ENGINEER NOTIFYING TRAFFIC TO USE ALTERNATE ROUTES. THE SIGN LOCATIONS AND MESSAGES SHALL BE DETERMINED BY THE ENGINEER.

6. 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.

7. 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.

8. TEMPORARY INFORMATION SIGNS ON TEMPORARY SUPPORTS SHALL BE PROVIDED FOR ALL COMMERCIAL DRIVEWAYS THAT ARE LOCATED WITHIN A WORK AREA. THIS WORK SHALL BE PAID FOR PER DISTRICT 1 DETAIL TC-26. THESE SIGNS SHALL BE RELOCATED AS REQUIRED FOR EACH CONSTRUCTION STAGE AND SHALL BE PLACED AS DIRECTED BY THE ENGINEER. THIS SIGN RELOCATION WORK WILL NOT BE PAID FOR SEPARATELY AND SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE PER SQUARE FOOT TEMPORARY INFORMATION SIGNING.

9. DROP-OFFS ADJACENT TO THE TRAVEL LANE 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. TEMPORARY CONCRETE BARRIER WALL IS SHOWN ON THE PLANS WHERE THE DROP-OFF REQUIREMENTS FOR USING BARRICADES CANNOT BE MET. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT THE DROP-OFFS ALONG THE REMAINING AREAS MEET THE OFFSET, HEIGHT, AND DURATION REQUIREMENTS TO USE BARRICADES. THIS MAY REQUIRE THE CONTRACTOR TO REPLACE OR PLACE SUFFICIENT MATERIAL IN THE EXCAVATION TO REDUCE THE DROP-OFF TO BE COMPLIANT WITH THE REQUIREMENTS FOR USE OF BARRICADES. NO ADDITIONAL COMPENSATION SHALL BE ALLOWED TO COMPLY WITH THIS REQUIREMENT.

STAGING DESCRIPTION

DETOUR

A FULL DETOUR SHALL BE USED FOR PORTAL TRUSS REPAIRS, STORM SEWER AND STRUCTURE INSTALLATION, AND PAVEMENT PATCHING. TO COMPLETE CLASS D PATCHING PRIOR TO WINTER, DETOUR WORK SHALL PRECEDE STAGING WORK.

DRIVEWAY ACCESS ON IL 1 (HALSTED STREET) SHALL BE MAINTAINED THROUGHOUT THE DETOUR. PEDESTRIAN USE OF THE BRIDGE SHALL BE MAINTAINED THROUGHOUT THE DETOUR.

MAINTENANCE OF TRAFFIC:

STORM SEWER INSTALLATION AND PAVEMENT PATCHING SHALL FOLLOW HIGHWAY STANDARD 701611-01.

SEE DETOUR PLAN FOR BRIDGE CLOSURE DETAILS. THE DURATION OF THE DETOUR IS EXPECTED TO BE 3 WEEKS.

STAGE 1

CONSTRUCTION:

THE CONTRACTOR SHALL REMOVE ALL PAVEMENT MARKINGS THAT CONFLICT WITH STAGE 1 ONLY. PAVEMENT MARKING OUTSIDE OF THE PROPOSED STAGE 1 WORK ZONE WILL BE PAID FOR AS PAVEMENT MARKING REMOVAL - WATER BLASTING.

PLACE TEMPORARY PAVEMENT MARKINGS, TEMPORARY CONCRETE BARRIER WALL AND IMPACT ATTENUATORS AT THE LOCATIONS SHOWN IN THE PLANS.

COMPLETE INSTALLATION OF DRAINAGE STRUCTURES ALONG THE NORTHBOUND LANES AND PAVEMENT PATCHING OVER STORM SEWER TRENCHES.

MAINTENANCE OF TRAFFIC:

ONE LANE OF TRAFFIC SHALL BE MAINTAINED ON EXISTING PAVEMENT IN EACH DIRECTION ON HALSTED STREET. LANE CLOSURES AND LANE SHIFTS SHALL FOLLOW IDOT STANDARD 701606 AND 701611.

PAVEMENT MARKINGS AND MAINTENANCE OF TRAFFIC SETUP SHALL FOLLOW IDOT STANDARD 701427.

STAGE 2

CONSTRUCTION:

THE CONTRACTOR SHALL REMOVE ALL PAVEMENT MARKINGS THAT CONFLICT WITH STAGE 2 ONLY.

PLACE TEMPORARY PAVEMENT MARKINGS, PLACE AND RELOCATE TEMPORARY CONCRETE BARRIER WALL AND IMPACT ATTENUATORS AT THE LOCATIONS SHOWN IN THE PLANS.

COMPLETE INSTALLATION OF DRAINAGE STRUCTURES ALONG THE CENTER LANES AND PAVEMENT PATCHING OVER STORM SEWER TRENCHES.

MAINTENANCE OF TRAFFIC:

ONE LANE OF TRAFFIC SHALL BE MAINTAINED ON EXISTING PAVEMENT IN EACH DIRECTION ON HALSTED STREET. LANE CLOSURES AND LANE SHIFTS SHALL FOLLOW IDOT STANDARD 701602.

STAGE 3

CONSTRUCTION:

THE CONTRACTOR SHALL REMOVE ALL PAVEMENT MARKINGS THAT CONFLICT WITH STAGE 3 ONLY.

PLACE TEMPORARY PAVEMENT MARKINGS, RELOCATE TEMPORARY CONCRETE BARRIER WALL AND IMPACT ATTENUATORS AT THE LOCATIONS SHOWN IN THE PLANS.

COMPLETE INSTALLATION OF DRAINAGE STRUCTURES ALONG THE SOUTHBOUND LANES AND PAVEMENT PATCHING OVER STORM SEWER TRENCHES.

MAINTENANCE OF TRAFFIC:

ONE LANE OF TRAFFIC SHALL BE MAINTAINED ON EXISTING PAVEMENT IN EACH DIRECTION ON HALSTED STREET. LANE CLOSURES AND LANE SHIFTS SHALL FOLLOW IDOT STANDARD 701606 AND 701611.

PAVEMENT MARKINGS AND MAINTENANCE OF TRAFFIC SETUP SHALL FOLLOW IDOT STANDARD 701427.

STAGE 3B

CONSTRUCTION:

COMPLETE PAVEMENT MILLING AND RESURFACING SOUTH OF THE BRIDGE AS SHOWN ON THE PLANS.

MAINTENANCE OF TRAFFIC:

ONE LANE OF TRAFFIC SHALL BE MAINTAINED ON EXISTING PAVEMENT IN EACH DIRECTION ON HALSTED STREET. LANE CLOSURES AND LANE SHIFTS SHALL FOLLOW IDOT STANDARD 701606 AND 701611.

STAGE 4

CONSTRUCTION:

THE CONTRACTOR SHALL REMOVE ALL PAVEMENT MARKINGS THAT CONFLICT WITH STAGE 4 ONLY. PAVEMENT MARKING OUTSIDE OF THE PROPOSED STAGE 4 WORK ZONE WILL BE PAID FOR AS PAVEMENT MARKING REMOVAL - WATER BLASTING.

PLACE TEMPORARY PAVEMENT MARKINGS, TEMPORARY CONCRETE BARRIER WALL AND IMPACT ATTENUATORS AT THE LOCATIONS SHOWN IN THE PLANS.

COMPLETE BRIDGE DECK OVERLAY AND PATCHING FOR NORTHBOUND OUTSIDE LANE AND HALF OF NORTHBOUND INSIDE LANE.

MAINTENANCE OF TRAFFIC:

ONE LANE OF TRAFFIC SHALL BE MAINTAINED ON EXISTING PAVEMENT IN EACH DIRECTION ON HALSTED STREET. LANE CLOSURES AND LANE SHIFTS SHALL FOLLOW IDOT STANDARD 701606 AND 701611.

PLACE DETOUR SIGNAGE FOR PEDESTRIANS TO USE WESTSIDE SIDEWALK PER IDOT STANDARD 701801.

PAVEMENT MARKINGS AND MAINTENANCE OF TRAFFIC SETUP SHALL FOLLOW IDOT STANDARD 701427.

STAGE 5

CONSTRUCTION:

THE CONTRACTOR SHALL REMOVE ALL PAVEMENT MARKINGS THAT CONFLICT WITH STAGE 5 ONLY.

PLACE TEMPORARY PAVEMENT MARKINGS, RELOCATE TEMPORARY CONCRETE BARRIER WALL AND IMPACT ATTENUATORS AT THE LOCATIONS SHOWN IN THE PLANS.

COMPLETE BRIDGE DECK OVERLAY AND PATCHING FOR SOUTHBOUND OUTSIDE LANE AND HALF OF SOUTHBOUND INSIDE LANE.

MAINTENANCE OF TRAFFIC:

ONE LANE OF TRAFFIC SHALL BE MAINTAINED ON EXISTING PAVEMENT IN EACH DIRECTION ON HALSTED STREET. LANE CLOSURES AND LANE SHIFTS SHALL FOLLOW IDOT STANDARD 701606 AND 701611.

PLACE DETOUR SIGNAGE FOR PEDESTRIANS TO USE EASTSIDE SIDEWALK PER IDOT STANDARD 701801.

PAVEMENT MARKINGS AND MAINTENANCE OF TRAFFIC SETUP SHALL FOLLOW IDOT STANDARD 701427.

STAGE 6

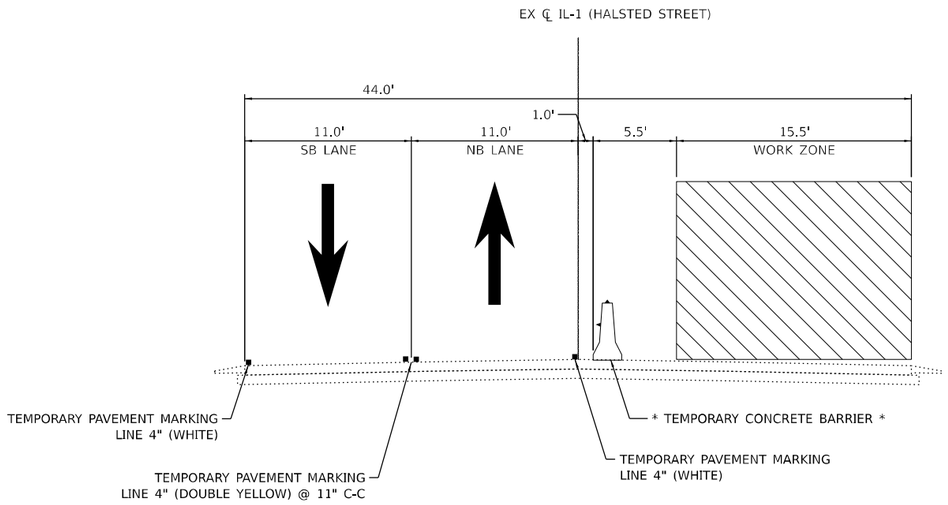
CONSTRUCTION:

THE CONTRACTOR SHALL REMOVE ALL PAVEMENT MARKINGS THAT CONFLICT WITH STAGE 6 ONLY.

PLACE TEMPORARY PAVEMENT MARKINGS, PLACE AND RELOCATE TEMPORARY CONCRETE BARRIER WALL AND IMPACT ATTENUATORS AT THE LOCATIONS SHOWN IN THE PLANS.

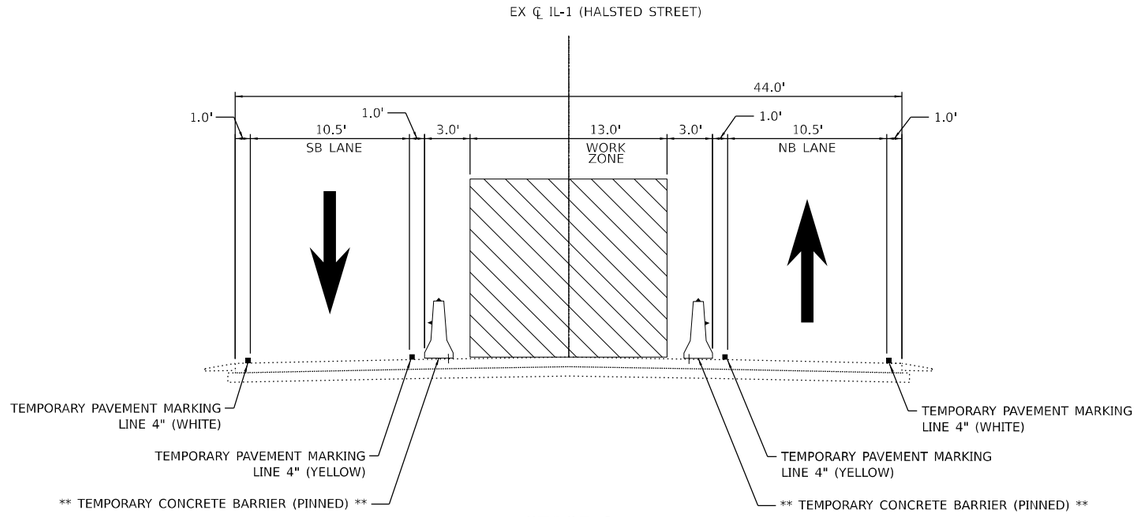
COMPLETE BRIDGE DECK OVERLAY AND PATCHING FOR NORTHBOUND AND SOUTHBOUND INSIDE LANES.

MAINTENANCE OF TRAFFIC:
ONE LANE OF TRAFFIC SHALL BE MAINTAINED ON EXISTING PAVEMENT IN EACH DIRECTION ON HALSTED STREET. LANE CLOSURES AND LANE SHIFTS SHALL FOLLOW IDOT STANDARD 701602.



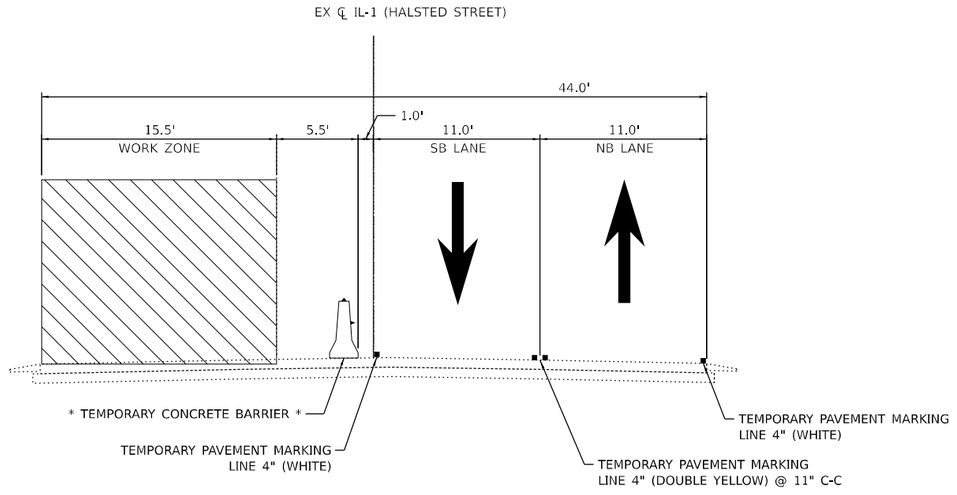
STAGE 1

* MONO-DIRECTIONAL CRYSTAL, TYPE C REFLECTORS PER STD. 704001 AND 782006.



STAGE 2

** MONO-DIRECTIONAL AMBER, TYPE C REFLECTORS PER STD. 704001 AND 782006.



STAGE 3

* MONO-DIRECTIONAL CRYSTAL, TYPE C REFLECTORS PER STD. 704001 AND 782006.

MOT LEGEND

WORK ZONE

DIRECTION OF TRAFFIC

TEMPORARY CONCRETE BARRIER

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

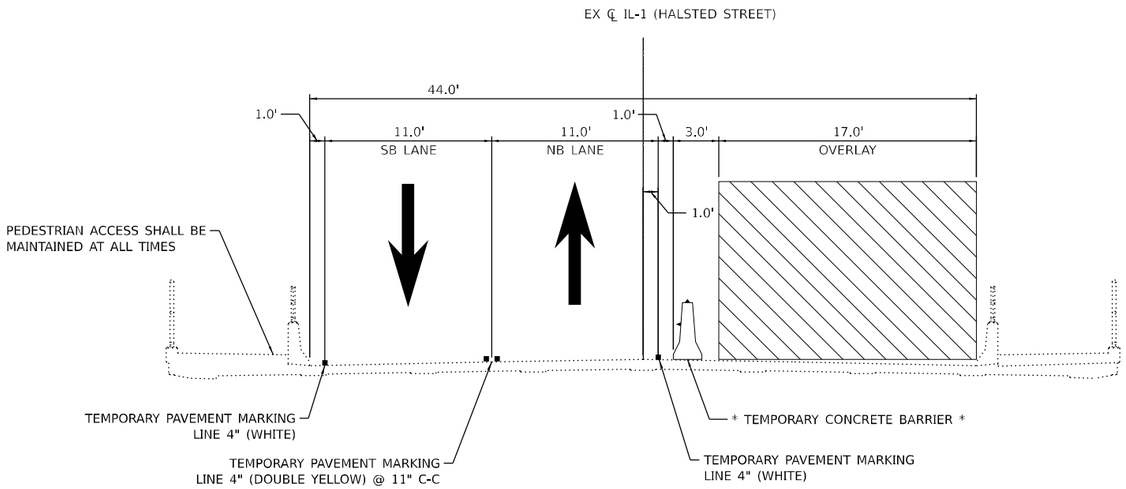
USER NAME =	DESIGNED - TBH	REVISED -
	CHECKED - TBH	REVISED -
PLOT SCALE =	DRAWN - JM	REVISED -
PLOT DATE =	CHECKED -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL RTE 1 (HALSTED AVE.)
MAINTENANCE OF TRAFFIC – TYPICAL SECTIONS (STORM SEWER WORK)

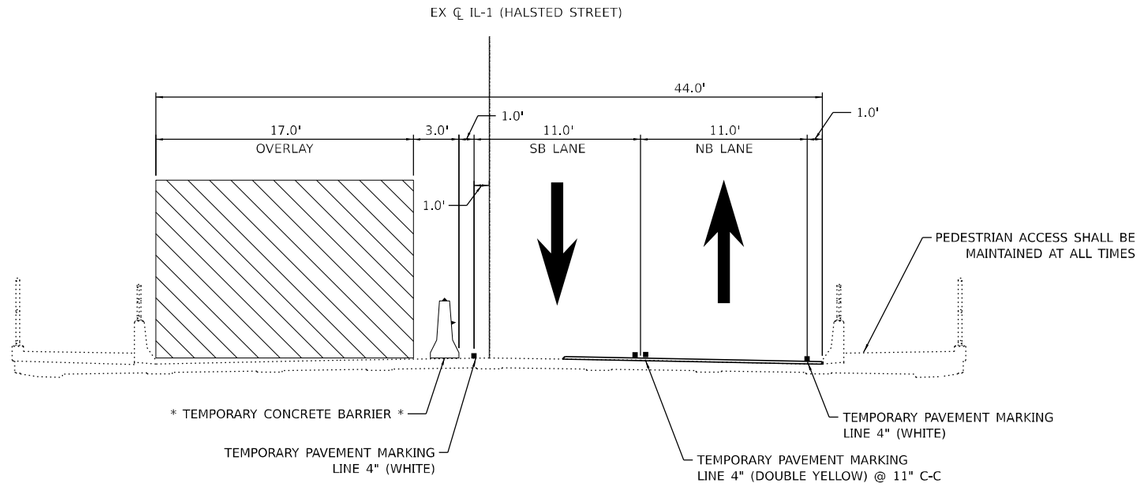
SCALE: | SHEET 1 OF 2 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3730	(K-B-2) BR24	COOK	66	13
		CONTRACT NO. 62X02		
	ILLINOIS	FED. AID PROJECT		



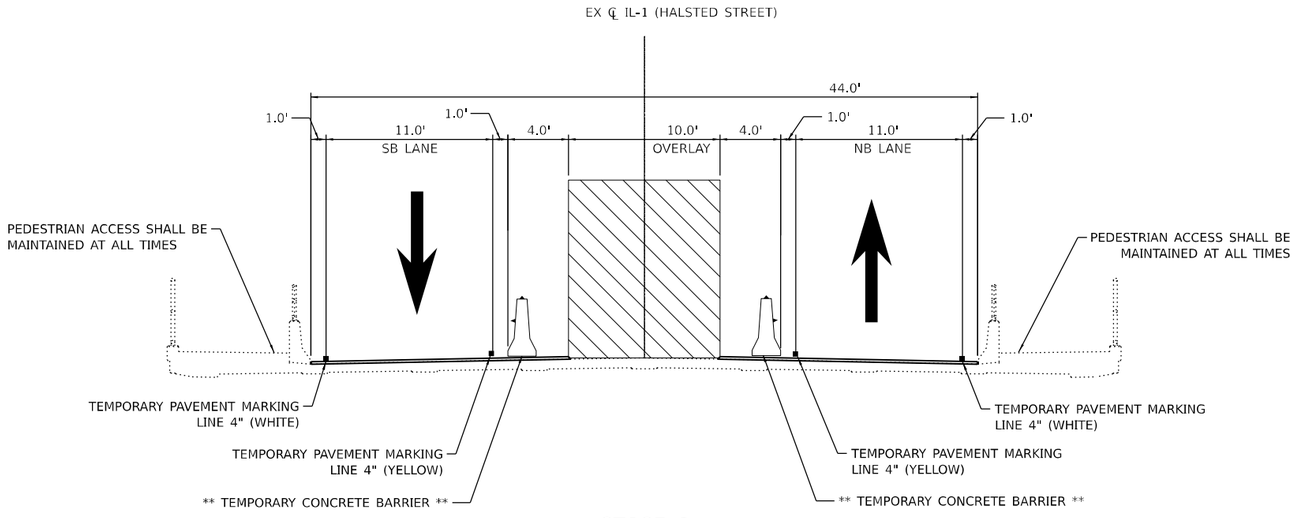
STAGE 4

* MONO-DIRECTIONAL CRYSTAL, TYPE C REFLECTORS PER STD. 704001 AND 782006.



STAGE 5

* MONO-DIRECTIONAL CRYSTAL, TYPE C REFLECTORS PER STD. 704001 AND 782006.



STAGE 6

** MONO-DIRECTIONAL AMBER, TYPE C REFLECTORS PER STD. 704001 AND 782006.

MOT LEGEND

WORK ZONE

DIRECTION OF TRAFFIC

TEMPORARY CONCRETE BARRIER

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

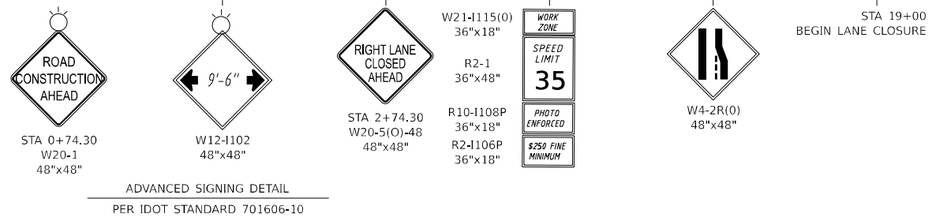
USER NAME =	DESIGNED - TBH	REVISED -
	CHECKED - TBH	REVISED -
PLOT SCALE =	DRAWN - JM	REVISED -
PLOT DATE =	CHECKED -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL RTE 1 (HALSTED AVE.)
MAINTENANCE OF TRAFFIC – TYPICAL SECTIONS (BRIDGE WORK)

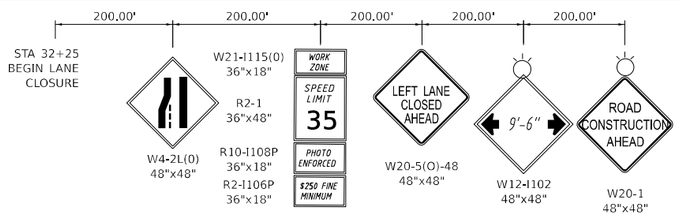
SCALE: | SHEET 2 OF 2 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3730	(K-B-2) BR24	COOK	66	14
		CONTRACT NO. 62X02		
	ILLINOIS	FED. AID PROJECT		

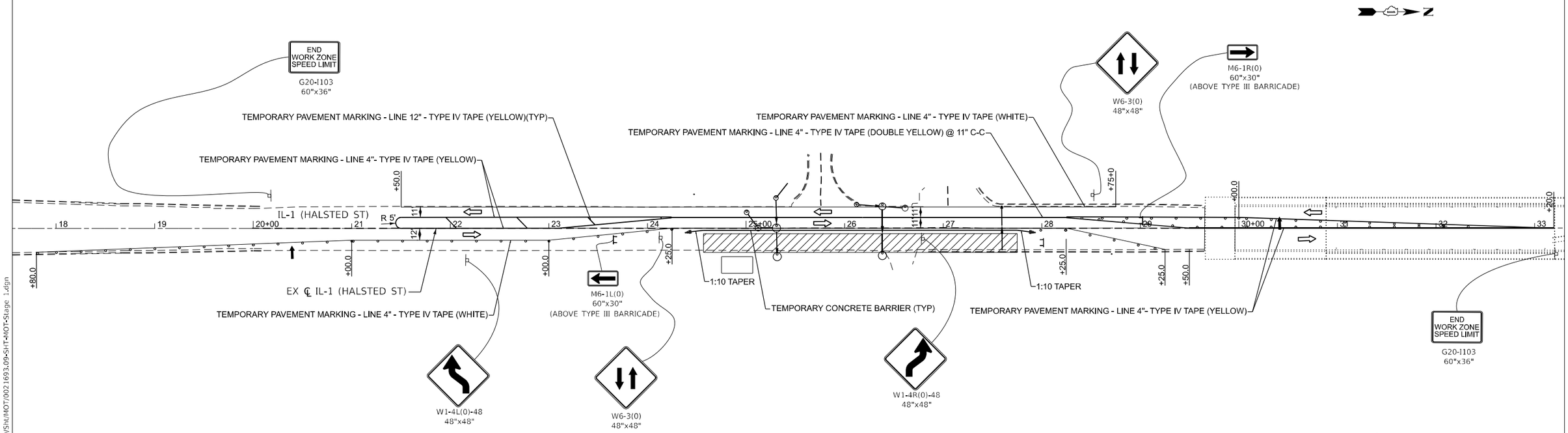


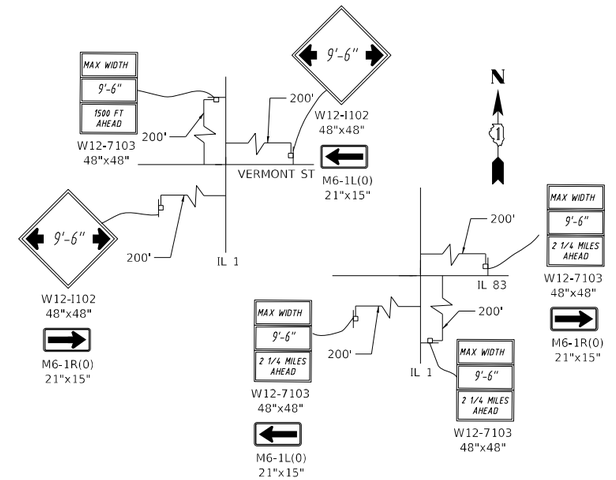
ADVANCED SIGNING DETAIL

PER IDOT STANDARD 701606-10



ADVANCED WITH RESTRICTION





LEGEND

- DIRECTION OF TRAFFIC
- IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 2
- DRUMS AT 50' C-C (TANGENT) 25' C-C (LANE SHIFT), 10' C-C (RADII)
- TEMPORARY CONCRETE BARRIER W/ DOUBLE SIDED TYPE C MARKER
- WORK ZONE
- TYPE III BARRICADE
- ARROWBOARD

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

USER NAME =	DESIGNED - TBH	REVISED -
	CHECKED - TBH	REVISED -
PLOT SCALE =	DRAWN - JM	REVISED -
PLOT DATE =	CHECKED -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

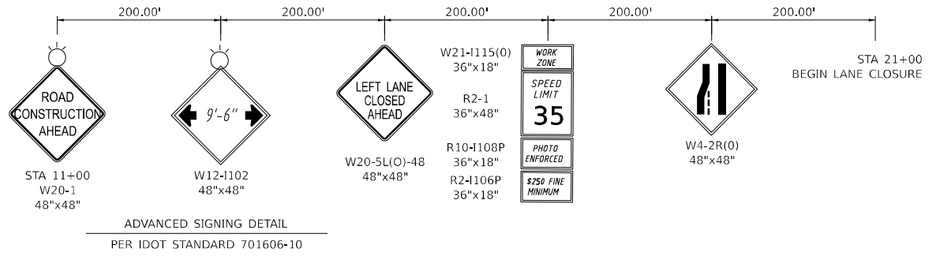
IL RTE 1 (HALSTED AVE.)
MAINTENANCE OF TRAFFIC STAGE 1 (STORM SEWER WORK)

SCALE: 1"=50' | SHEET 1 OF 1 SHEETS | STA. 17+00.00 | TO STA. 47+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3730	(K-B-2) BR24	COOK	66	15
		CONTRACT NO. 62X02		
	ILLINOIS	FED. AID PROJECT		

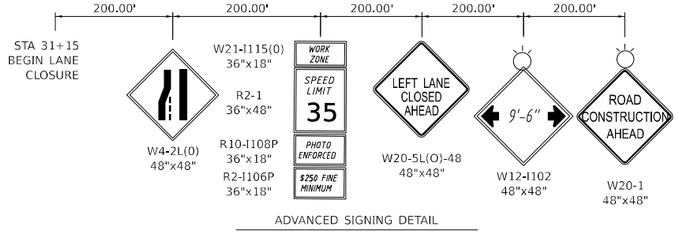
MODEL: sMODELNAMES
FILE NAME: pw://ciorba-pw.bentley.com:ciorba-pw-01/Documents/Projects/IL_DOT/D1/0021693.09/CADD/Sht/MOT/0021693.09-SHT-MOT-Stage 1.dgn

4/30/2025 12:34:42 PM

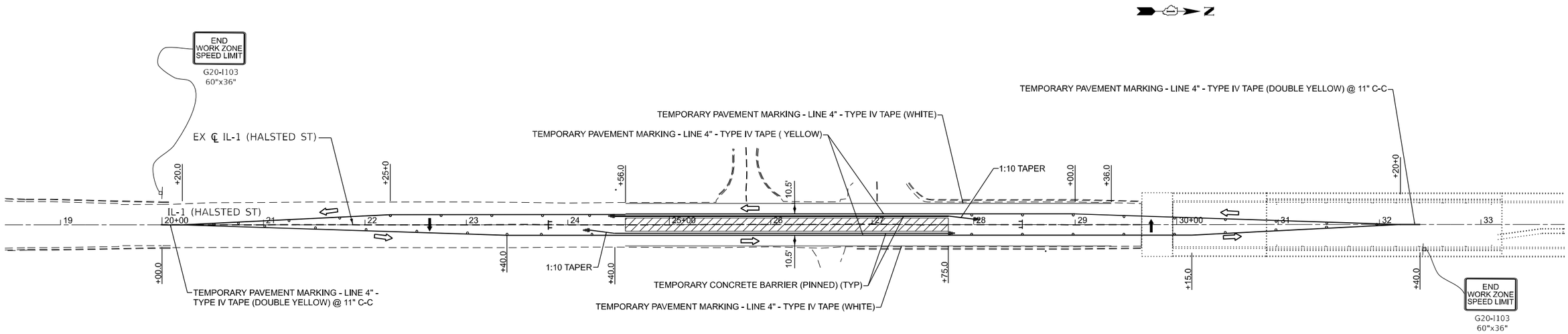


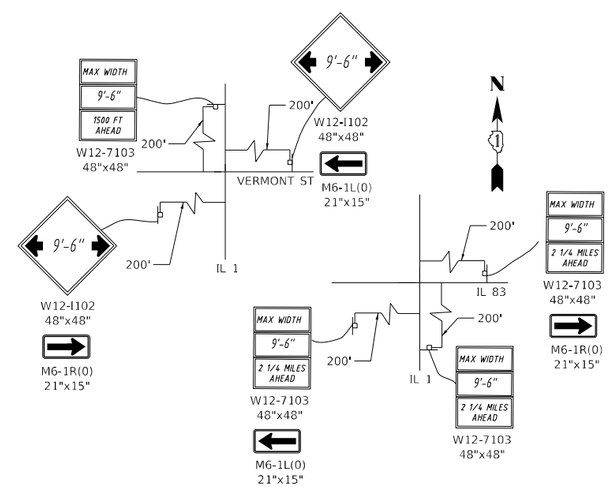
ADVANCED SIGNING DETAIL

PER IDOT STANDARD 701606-10



ADVANCED SIGNING DETAIL





LEGEND

- DIRECTION OF TRAFFIC
- IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 2
- DRUMS AT 50' C-C (TANGENT) 25' C-C (LANE SHIFT), 10' C-C (RADII)
- TEMPORARY CONCRETE BARRIER W/ DOUBLE SIDED TYPE C MARKER
- WORK ZONE
- TYPE III BARRICADE
- ARROWBOARD

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

USER NAME =	DESIGNED - TBH	REVISED -
	CHECKED - TBH	REVISED -
PLOT SCALE =	DRAWN - JM	REVISED -
PLOT DATE =	CHECKED -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

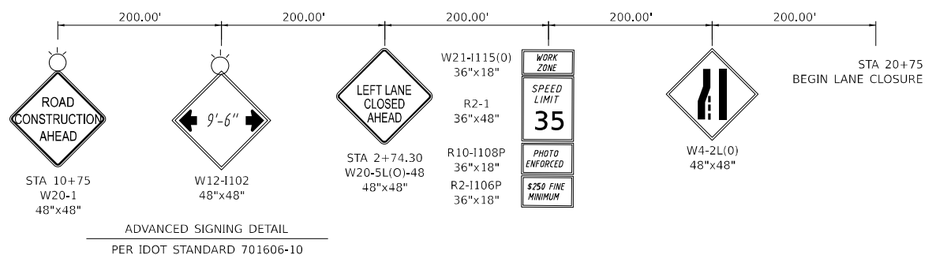
IL RTE 1 (HALSTED AVE.)
MAINTENANCE OF TRAFFIC STAGE 2 (STORM SEWER WORK)

SCALE: 1"=50' | SHEET 1 OF 1 SHEETS | STA. 17+00.00 | TO STA. 47+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3730	(K-B-2) BR24	COOK	66	16
		CONTRACT NO. 62X02		
	ILLINOIS	FED. AID PROJECT		

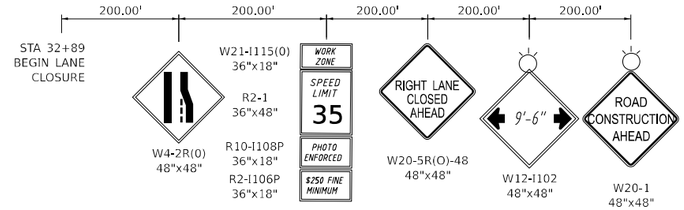
MODEL: sMODELNAMES
FILE NAME: pw://ciorba-pw.bentley.com:ciorbapw-01/Documents/Projects/IL_DOT/D1/0021693.09/CADD/Sht/MOT/0021693.09-SHT-MOT-Stage 2.dgn

4/30/2025 12:34:50 PM

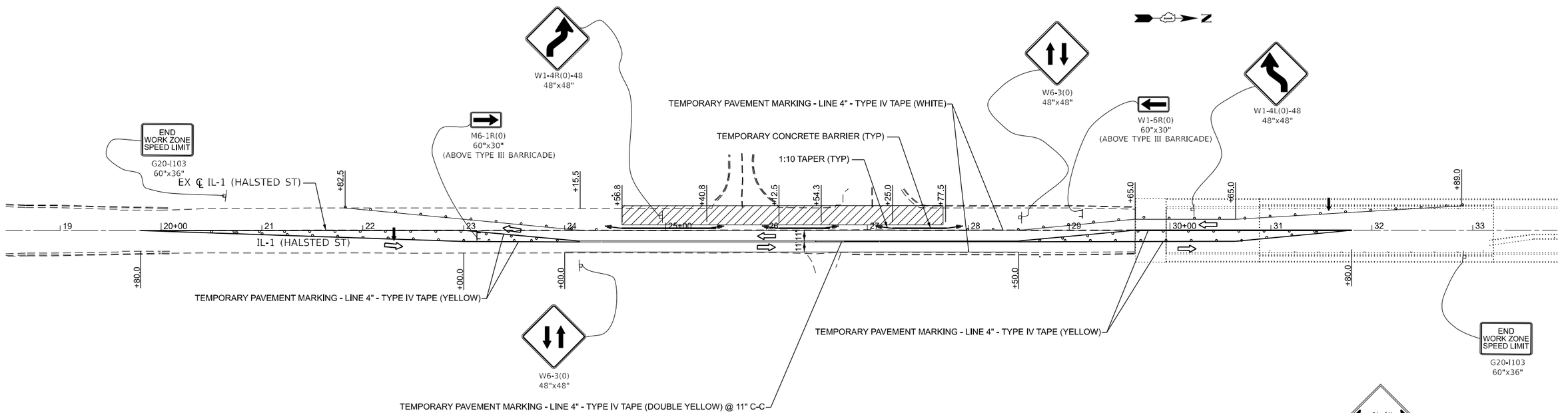


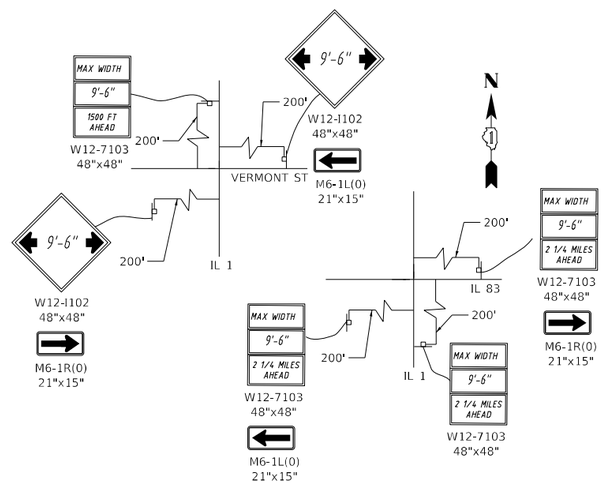
ADVANCED SIGNING DETAIL

PER IDOT STANDARD 701606-10



ADVANCED WITH RESTRICTION





LEGEND

- DIRECTION OF TRAFFIC
- IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 2
- DRUMS AT 50' C-C (TANGENT) 25' C-C (LANE SHIFT), 10' C-C (RADII)
- TEMPORARY CONCRETE BARRIER W/ DOUBLE SIDED TYPE C MARKER
- WORK ZONE
- TYPE III BARRICADE
- ARROWBOARD

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

USER NAME =	DESIGNED - TBH	REVISED -
	CHECKED - TBH	REVISED -
PLOT SCALE =	DRAWN - JM	REVISED -
PLOT DATE =	CHECKED -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

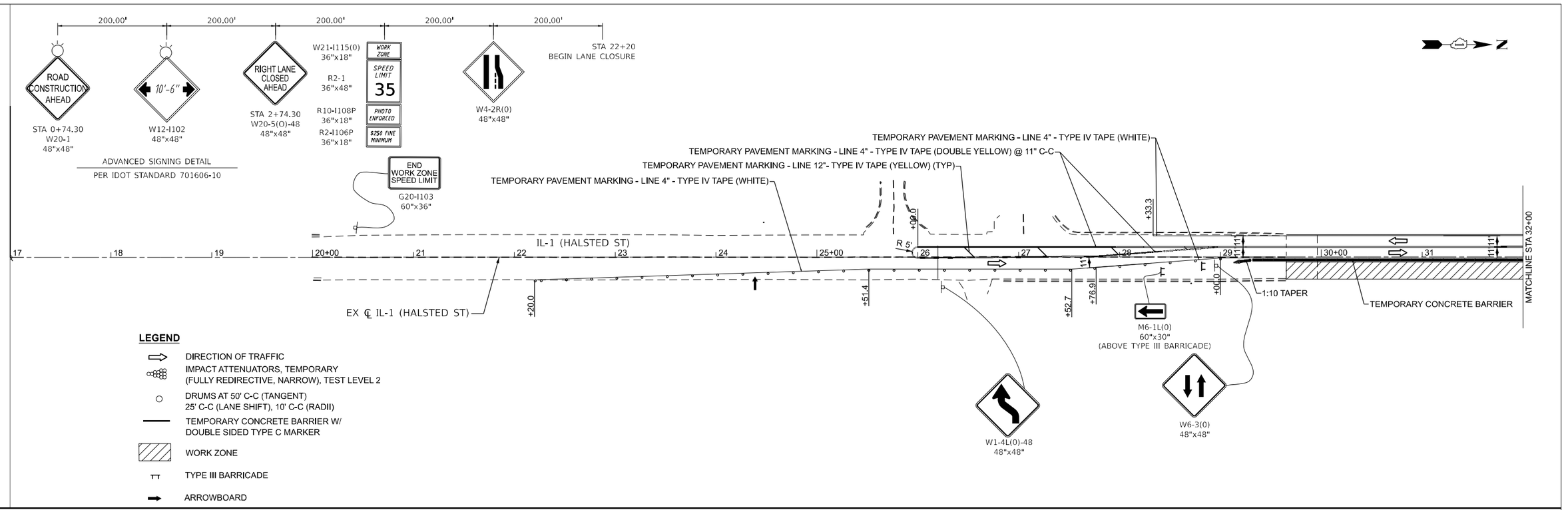
IL RTE 1 (HALSTED AVE.)
MAINTENANCE OF TRAFFIC STAGE 3 (STORM SEWER WORK)

SCALE: 1"=50' | SHEET 1 OF 1 SHEETS | STA. 17+00.00 | TO STA. 47+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3730	(K-B-2) BR24	COOK	66	17
		CONTRACT NO. 62X02		
		ILLINOIS	FED. AID PROJECT	

MODEL: SMODELNAMES
FILE NAME: pw:\\ciorba-pw.bentley.com:ciorba-pw-01\Documents\Projects\IL_DOT\D1\0021693.09\CADD\Sht\MOT\0021693.09-SHT-MOT-Stage 3.dgn

4/30/2025 12:34:59 PM



MODEL: sMODELNAMEs
FILE NAME: pw://ciorba-pw.bentley.com:ciorba-pw-01/Documents/Projects/IL_DOT/D1/0021693.09/CADD/SIL/MOT/0021693.09-SIL-MOT-Stage 4.dgn

4/30/2025 12:35:07 PM

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

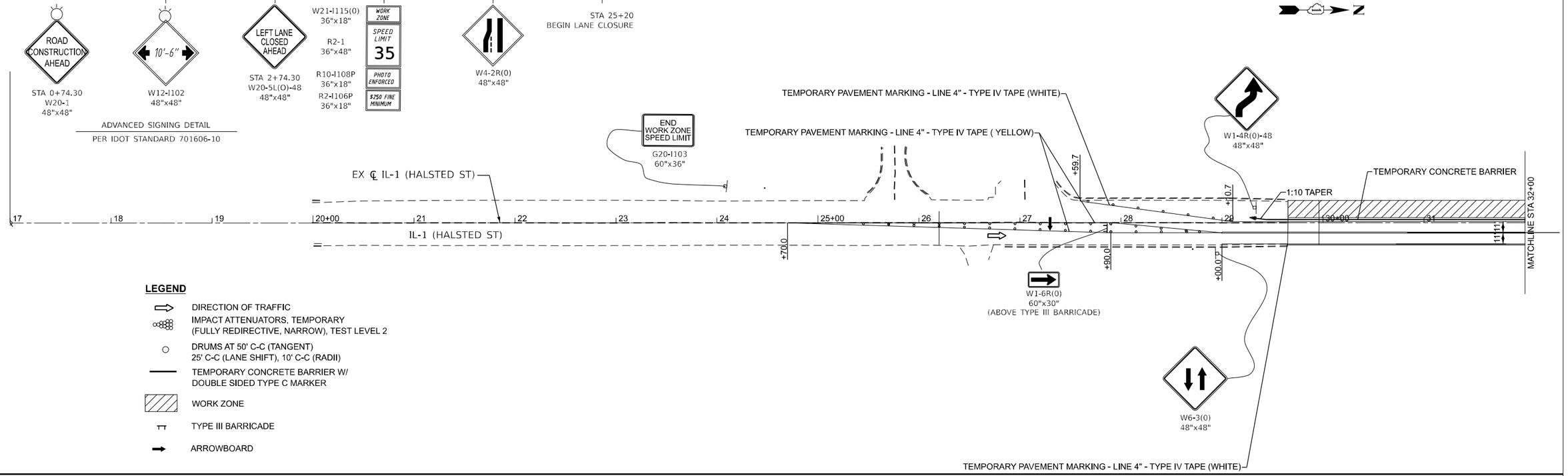
USER NAME =	DESIGNED - TBH	REVISED -
	CHECKED - TBH	REVISED -
PLOT SCALE =	DRAWN - JM	REVISED -
PLOT DATE =	CHECKED -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL RTE 1 (HALSTED AVE.)
MAINTENANCE OF TRAFFIC STAGE 4

SCALE: 1"=50' | SHEET 1 OF 1 SHEETS | STA. 17+00.00 | TO STA. 47+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3730	(K-B-2) BR24	COOK	66	18
		CONTRACT NO. 62X02		
	ILLINOIS	FED. AID PROJECT		

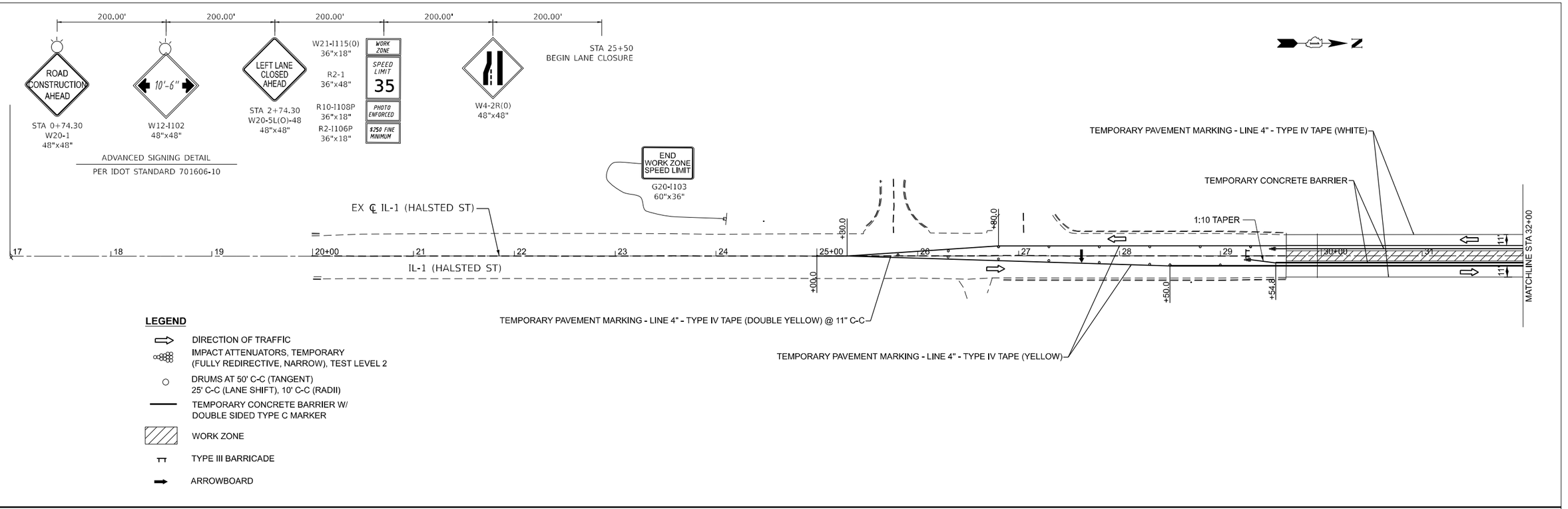


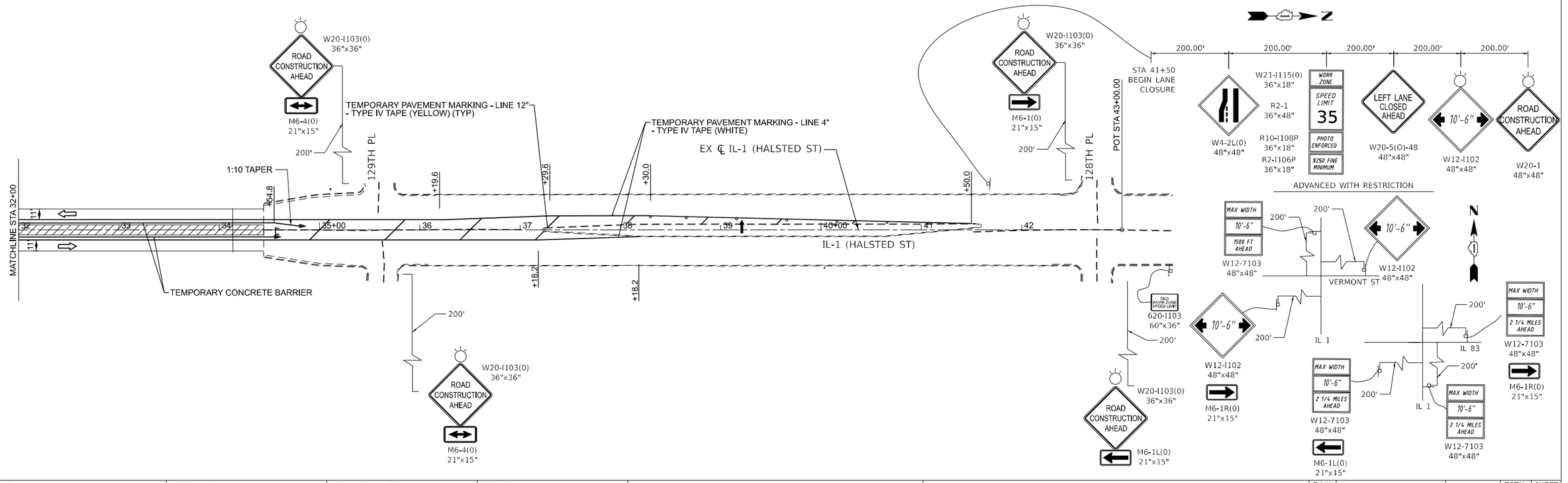
CiorbaGroup 8725 W. Higgins Rd, Ste 600, Chicago, IL 60631 P 773.775.4009 | www.ciorba.com	USER NAME =	DESIGNED - TBH	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL RTE 1 (HALSTED AVE.) MAINTENANCE OF TRAFFIC STAGE 5
		CHECKED - TBH	REVISED -		
	PLOT SCALE =	DRAWN - JM	REVISED -		SCALE: SHEET 1 OF 1 SHEETS STA. 17+00.00 TO STA. 47+00.00
	PLOT DATE =	CHECKED -	REVISED -		

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3730	(K-B-2) BR24	COOK	66	19
		CONTRACT NO. 62X02		
	ILLINOIS	FED. AID PROJECT		

MODEL: sMODELNAMEs
FILE NAME: pw://ciorba-pw.bentley.com:ciorba-pw-01/Documents/Projects/IL_DOT/D1/0021693.09/CADD/Sht/MOT/0021693.09-SHT-MOT-Stage 5.dgn

4/30/2025 12:35:15 PM





MODEL: sMODELNAMEs
FILE NAME: pw://ciorba-pw.bentley.com:ciorba-pw-01/Documents/Projects/IL_DOT/D1/0021693.09/CADD/Sht/MOT/0021693.09-SHT-MOT-Stage 6.dgn
4/30/2025 12:35:23 PM

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

USER NAME =	DESIGNED - TBH	REVISED -
	CHECKED - TBH	REVISED -
PLOT SCALE =	DRAWN - JM	REVISED -
PLOT DATE =	CHECKED -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

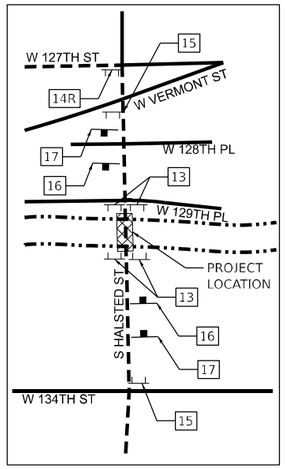
IL RTE 1 (HALSTED AVE.)
MAINTENANCE OF TRAFFIC STAGE 6

SCALE: 1"=50' | SHEET 1 OF 1 SHEETS | STA. 17+00.00 | TO STA. 47+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3730	(K-B-2) BR24	COOK	66	20
		CONTRACT NO. 62X02		
	ILLINOIS	FED. AID PROJECT		

NOTES

1. SIGN 1 AND 2 COVERING SHALL BE PLACED ONE (1) WEEK PRIOR TO CLOSURE. REMOVE SIGN 3 ONCE DETOUR BEGINS.
2. THE CONTRACTOR SHALL CALL J.U.L.I.E. BEFORE INSTALLING SIGNS.
3. ROAD CLOSURE SIGNAGE SHALL NOT BE INSTALLED ON ANY STREET LIGHT POLES OR SIGNAL POLES.
4. ROAD CLOSURE SIGNAGE SHALL NOT BLOCK ANY EXISTING SIGNS AND CANNOT USE THE EXISTING SIGN POSTS.
5. TYPE III BARRICADE PLACEMENT SHALL FOLLOW HIGHWAY STANDARD 701901.
6. SIGN SPACING SHALL FOLLOW DISTRICT 1 DETAIL TC-21 UNLESS NOTED ON PLAN.
7. PLAN NOT TO SCALE.
8. THE CONTRACTOR SHALL NOT OBSTRUCT ANY EXISTING SIGN WITH THE PLACEMENT OF DETOUR SIGNAGE.
9. A MINIMUM OF FOURTEEN (14) DAYS IN ADVANCE OF THE ROAD CLOSURE, THE CONTRACTOR SHALL PLACE ONE (1) PORTABLE CHANGEABLE MESSAGE SIGN AT EACH END OF THE PROJECT AS DIRECTED AND AT A LOCATION DESIGNATED BY THE ENGINEER TO INFORM MOTORISTS OF THE UPCOMING CLOSURE. THE MESSAGE SHALL BE APPROVED BY THE ENGINEER. THIS WORK IS TO BE PAID FOR AT THE CONTRACT UNIT PRICE FOR CHANGEABLE MESSAGE SIGN.
10. TEMPORARY TRAFFIC SIGNAL TIMING IS TO BE ENACTED AT THE FOLLOWING SIGNALIZED INTERSECTIONS: (1) HALSTED ST AT 138TH ST; (2) 138TH ST AT ASHLAND AVE; (3) ASHLAND AVE AT 127TH ST; (4) 127TH ST AT HALSTED ST

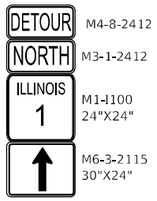


PROJECT LOCATION DETAIL

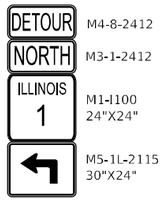
CHANGEABLE MESSAGE SIGN
1

W20-2-4848
4

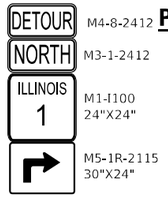
M1-I100
24"X24"
5



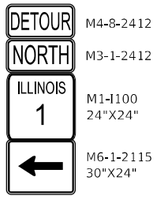
M4-8-2412
M3-1-2412
M1-I100
24"X24"
M6-3-2115
30"X24"
6



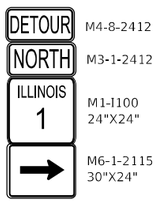
M4-8-2412
M3-1-2412
M1-I100
24"X24"
M5-1L-2115
30"X24"
7L



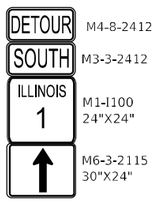
M4-8-2412
M3-1-2412
M1-I100
24"X24"
M5-1R-2115
30"X24"
7R



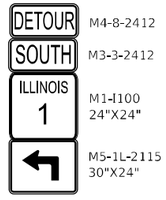
M4-8-2412
M3-1-2412
M1-I100
24"X24"
M6-1-2115
30"X24"
8L



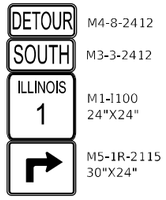
M4-8-2412
M3-1-2412
M1-I100
24"X24"
M6-1-2115
30"X24"
8R



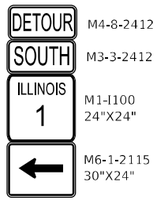
M4-8-2412
M3-3-2412
M1-I100
24"X24"
M6-3-2115
30"X24"
9



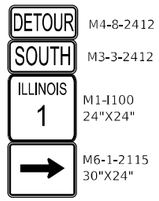
M4-8-2412
M3-3-2412
M1-I100
24"X24"
M5-1L-2115
30"X24"
10L



M4-8-2412
M3-3-2412
M1-I100
24"X24"
M5-1R-2115
30"X24"
10R



M4-8-2412
M3-3-2412
M1-I100
24"X24"
M6-1-2115
30"X24"
11L



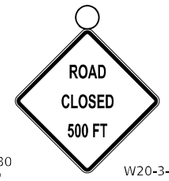
M4-8-2412
M3-3-2412
M1-I100
24"X24"
M6-1-2115
30"X24"
11R

M4-8a
24"X18"
12

R11-2
48"X30"
13

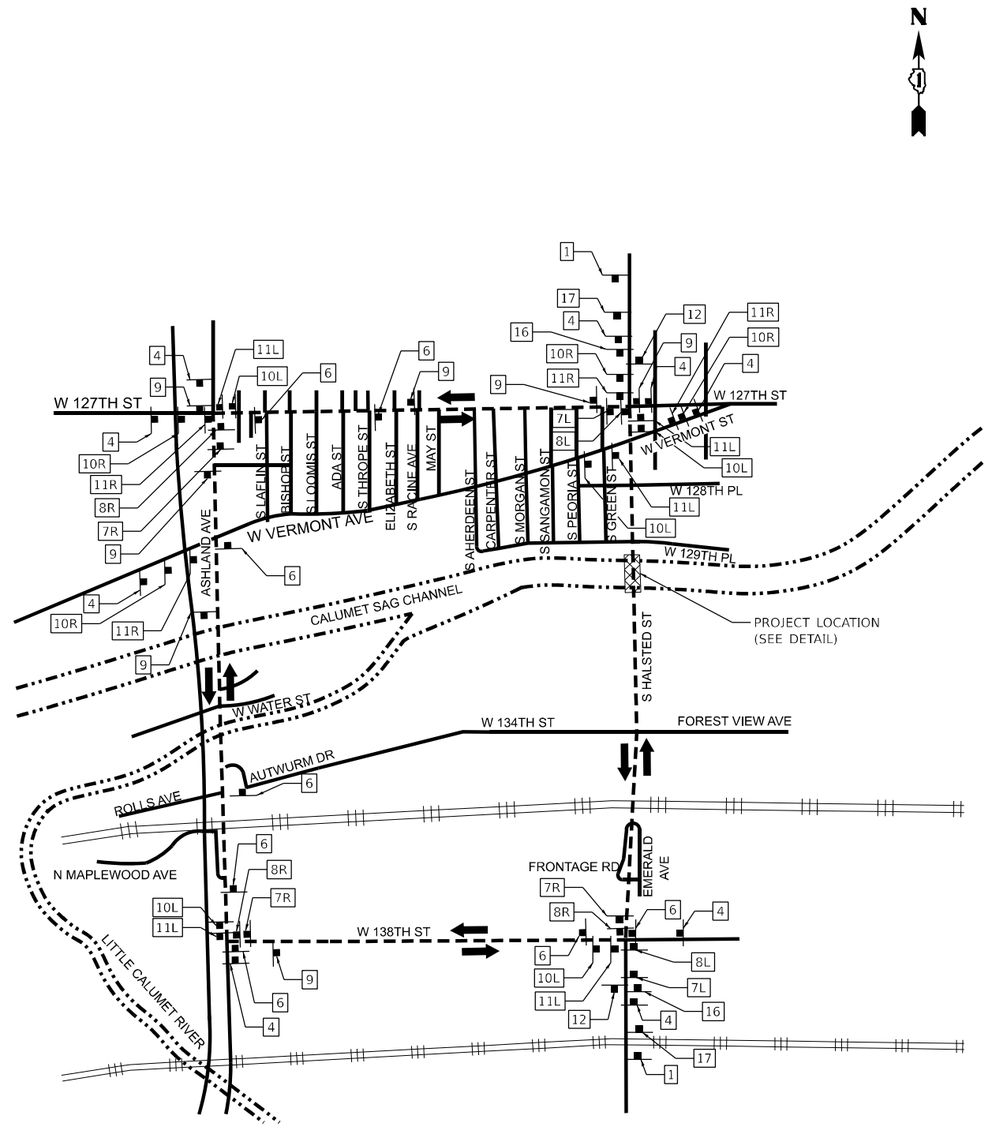
R11-4-6030
M4-10R-4818
14R

R11-4-6030
60"X30"
15



W20-3-4848
16

W20-3-4848
17



PROPOSED VEHICLE DETOUR ROUTE

DETOUR SIGN POST-MOUNTED PER ARTICLE 701.14 AND HIGHWAY STANDARD 701901

TYPE III BARRICADE WITH FLASHERS

PROJECT LOCATION

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

USER NAME =	DESIGNED - TBH	REVISED -
	CHECKED - TBH	REVISED -
PLOT SCALE =	DRAWN - JM	REVISED -
PLOT DATE =	CHECKED -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

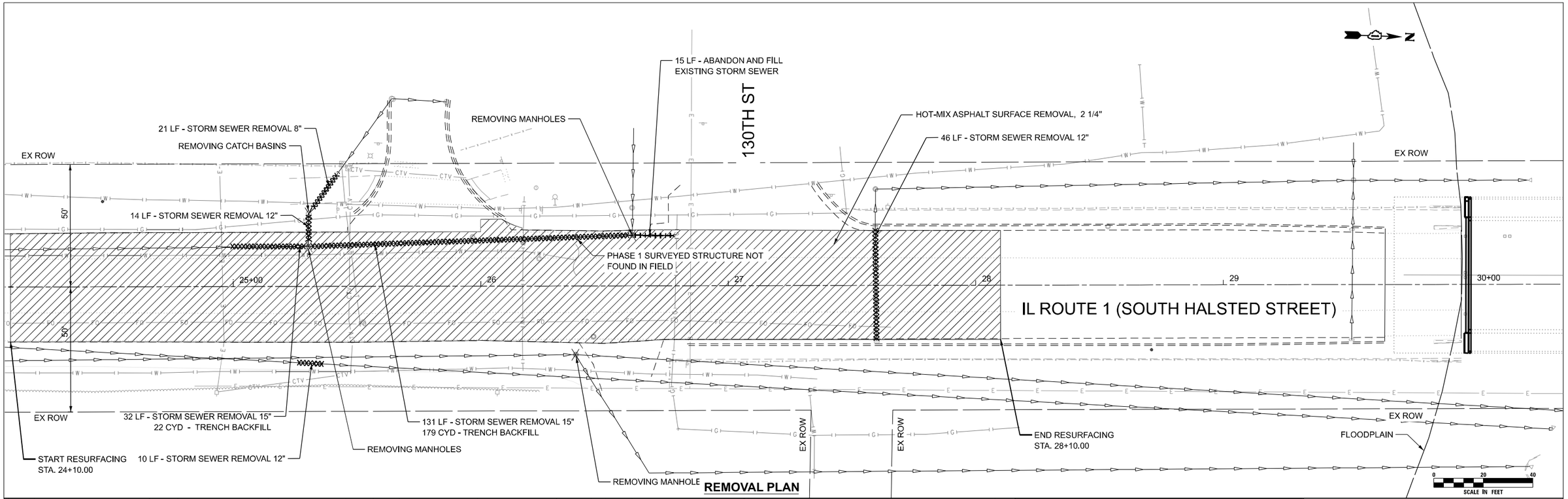
IL RTE 1 (HALSTED AVE.)
HALSTED STREET DETOUR PLAN

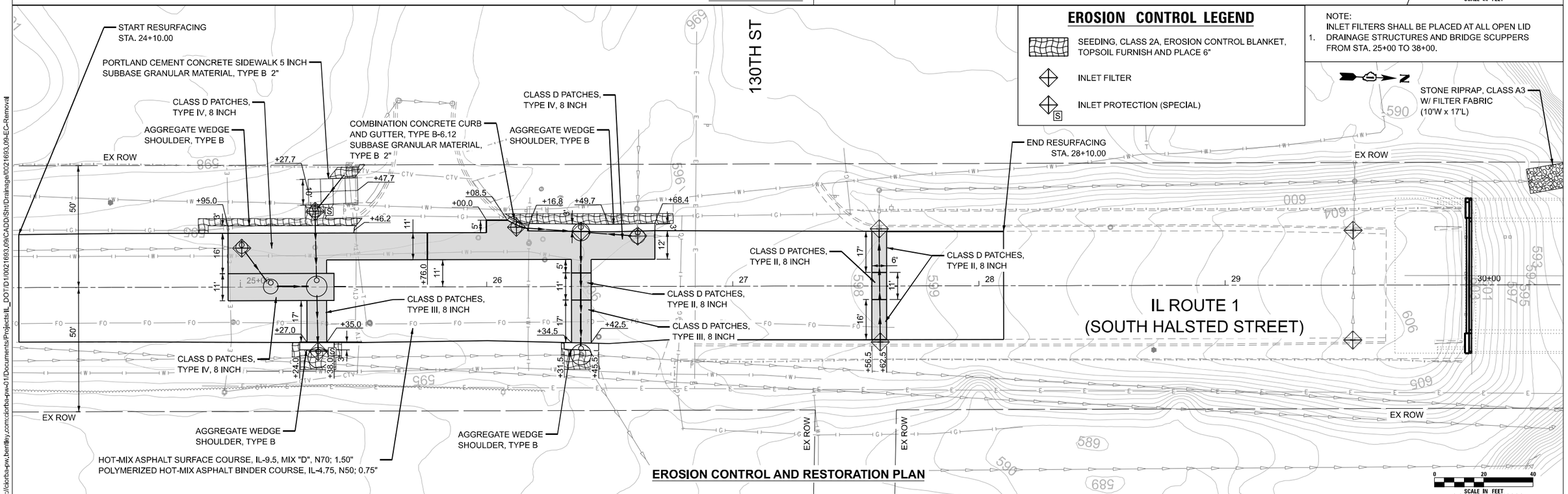
SCALE: N.T.S | SHEET 1 OF 1 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3730	(K-B-2) BR24	COOK	66	21
		CONTRACT NO. 62X02		
	ILLINOIS	FED. AID PROJECT		

MODEL: SMODELNAMES
FILE NAME: pw:\\ciorba-pw.bentley.com:ciorba-pw-01\Documents\Projects\IL_DOT\D1\0021693.09\CADD\Sht\HOT\0021693.09-Detour.dgn

4/30/2025 12:35:31 PM





EROSION CONTROL LEGEND

- SEEDING, CLASS 2A, EROSION CONTROL BLANKET, TOPSOIL FURNISH AND PLACE 6"
- INLET FILTER
- INLET PROTECTION (SPECIAL)

NOTE:
1. INLET FILTERS SHALL BE PLACED AT ALL OPEN LID DRAINAGE STRUCTURES AND BRIDGE SCUPPERS FROM STA. 25+00 TO 38+00.

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

USER NAME =	DESIGNED - TBH	REVISED -
	CHECKED - TBH	REVISED -
PLOT SCALE =	DRAWN - JM	REVISED -
PLOT DATE =	CHECKED -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL RTE 1 (HALSTED AVE.)
REMOVAL, EROSION CONTROL AND RESTORATION PLANS

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3730	(K-B-2) BR24	COOK	66	22
		CONTRACT NO. 62X02		
	ILLINOIS	FED. AID PROJECT		

MODEL: $MODELNAME$
FILE NAME: pw://ciorba-pw.bentley.com:ciorba-pw-01/Documents/Projects/IL_DOT/D1/0021693.09/CADD/Sht/Drainage/0021693.09-EC-Removal

3/14/2025 12:37:30 AM

E. EROSION AND SEDIMENT CONTROL

1. THE CONTRACTOR SHALL INSTALL THE EROSION AND SEDIMENT CONTROL DEVICES AS SHOWN ON THE APPROVED EROSION AND SEDIMENT CONTROL PLAN.

2. EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE FUNCTIONAL PRIOR TO HYDROLOGIC DISTURBANCE OF THE SITE.

3. ALL DESIGN CRITERIA, SPECIFICATIONS, AND INSTALLATION OF EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE IN ACCORDANCE WITH THE ILLINOIS URBAN MANUAL.

4. A COPY OF THE APPROVED EROSION AND SEDIMENT CONTROL PLAN SHALL BE MAINTAINED ON THE SITE AT ALL TIMES.

5. INSPECTIONS AND DOCUMENTATION SHALL BE PERFORMED, AT A MINIMUM:
   a) UPON COMPLETION OF INITIAL EROSION AND SEDIMENT CONTROL MEASURES, PRIOR TO ANY SOIL DISTURBANCE.
   b) ONCE EVERY SEVEN (7) CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A STORM EVENT WITH GREATER THAN 0.5 INCH OF RAINFALL OR LIQUID EQUIVALENT PRECIPITATION.

6. SOIL DISTURBANCE SHALL BE CONDUCTED IN SUCH A MANNER AS TO MINIMIZE EROSION. IF STRIPPING, CLEARING, GRADING, OR LANDSCAPING ARE TO BE DONE IN PHASES, THE CO-PERMITTEE SHALL PLAN FOR APPROPRIATE SOIL EROSION AND SEDIMENT CONTROL MEASURES.

7. A STABILIZED MAT OF CRUSHED STONE MEETING THE STANDARDS OF THE ILLINOIS URBAN MANUAL SHALL BE INSTALLED AT ANY POINT WHERE TRAFFIC WILL BE ENTERING OR LEAVING A CONSTRUCTION SITE. SEDIMENT OR SOIL REACHING AN IMPROVED PUBLIC RIGHT-OF-WAY, STREET, ALLEY OR PARKING AREA SHALL BE REMOVED BY SCRAPING OR STREET CLEANING AS ACCUMULATIONS WARRANT AND TRANSPORTED TO A CONTROLLED SEDIMENT DISPOSAL AREA.

8. CONCRETE WASHOUT FACILITIES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE ILLINOIS URBAN MANUAL AND SHALL BE INSTALLED PRIOR TO ANY ON SITE CONSTRUCTION ACTIVITIES INVOLVING CONCRETE.

9. MORTAR WASHOUT FACILITIES SHALL BE CONSTRUCTED IN ADDITION TO CONCRETE WASHOUT FACILITIES FOR ANY BRICK AND MORTAR BUILDING ENVELOPE CONSTRUCTION ACTIVITIES.

10. TEMPORARY DIVERSIONS SHALL BE CONSTRUCTED AS NECESSARY TO DIRECT ALL RUNOFF FROM HYDROLOGICALLY DISTURBED AREAS TO AN APPROPRIATE SEDIMENT TRAP OR BASIN. VOLUME CONTROL FACILITIES SHALL NOT BE USED AS TEMPORARY SEDIMENT BASINS.

11. DISTURBED AREAS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED SHALL BE STABILIZED WITH TEMPORARY OR PERMANENT MEASURES WITHIN SEVEN (7) DAYS.

12. ALL FLOOD PROTECTION AREAS AND VOLUME CONTROL FACILITIES SHALL, AT A MINIMUM, BE PROTECTED WITH A DOUBLE-ROW OF SILT FENCE (OR EQUIVALENT).

13. SOIL STOCKPILES SHALL, AT A MINIMUM, BE PROTECTED WITH PERIMETER SEDIMENT CONTROLS. SOIL STOCKPILES SHALL NOT BE PLACED IN FLOOD PROTECTION AREAS OR THEIR BUFFERS.

14. EARTHEN EMBANKMENT SIDE SLOPES SHALL BE STABILIZED WITH APPROPRIATE EROSION CONTROL BLANKET.

15. STORM SEWERS THAT ARE OR WILL BE FUNCTIONING DURING CONSTRUCTION SHALL BE PROTECTED BY APPROPRIATE SEDIMENT CONTROL MEASURES.

16. THE CONTRACTOR SHALL EITHER REMOVE OR REPLACE ANY EXISTING DRAIN TILES AND INCORPORATE THEM INTO THE DRAINAGE PLAN FOR THE DEVELOPMENT. DRAIN TILES CANNOT BE TRIBUTARY TO A SANITARY OR COMBINED SEWER. DRAIN TILES ALLOWED IN COMBINED SEWER AREA FOR GREEN INFRASTRUCTURE PRACTICES.

17. IF DEWATERING SERVICES ARE USED, ADJOINING PROPERTIES AND DISCHARGE LOCATIONS SHALL BE PROTECTED FROM EROSION AND SEDIMENTATION. DEWATERING SYSTEMS SHOULD BE INSPECTED DAILY DURING OPERATIONAL PERIODS. THE SITE INSPECTOR MUST BE PRESENT AT THE COMMENCEMENT OF DEWATERING ACTIVITIES.

18. THE CONTRCTOR SHALL BE RESPONSIBLE FOR TRENCH DEWATERING AND EXCAVATION FOR THE INSTALLATION OF SANITARY SEWERS, STORM SEWERS, WATERMAINS AS WELL AS THEIR SERVICES AND OTHER APPURTENANCES. ANY TRENCH DEWATERING, WHICH CONTAINS SEDIMENT SHALL PASS THROUGH A SEDIMENT SETTLING POND OR EQUALLY EFFECTIVE SEDIMENT CONTROL DEVICE. ALTERNATIVES MAY INCLUDE DEWATERING INTO A SUMP PIT, FILTER BAG OR EXISTING VEGETATED UPSLOPE AREA. SEDIMENT LADEN WATERS SHALL NOT BE DISCHARGE TO WATERWAYS, FLOOD PROTECTION AREAS OR THE COMBINED SEWER SYSTEM.

19. ALL PERMANENT EROSION CONTROL PRACTICES SHALL BE INITIATED WITHIN SEVEN (7) DAYS FOLLOWING THE COMPLETION OF SOIL DISTURBING ACTIVITIES.

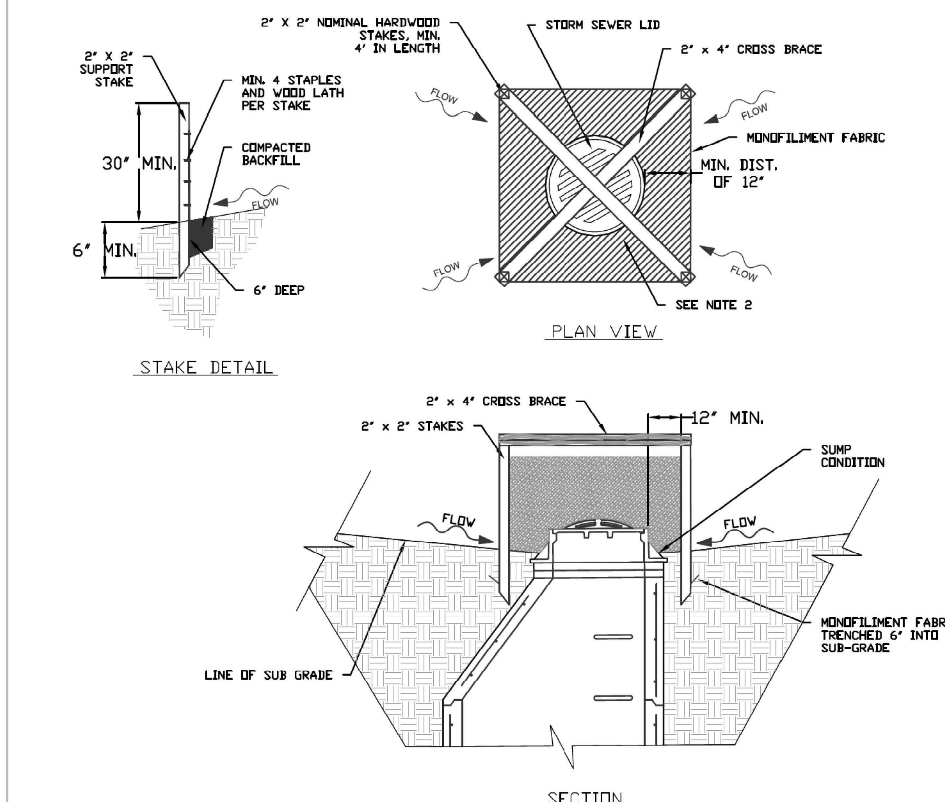
20. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE MAINTAINED AND REPAIRED AS NEEDED ON A YEAR-ROUND BASIS DURING CONSTRUCTION AND ANY PERIODS OF CONSTRUCTION SHUTDOWN UNTIL PERMANENT STABILIZATION IS ACHIEVED.

21. ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN THIRTY (30) DAYS AFTER PERMANENT SITE STABILIZATION.

22. THE EROSION AND SEDIMENT CONTROL MEASURES SHOWN ON THE PLANS ARE THE MINIMUM REQUIREMENTS. ADDITIONAL MEASURES MAY BE REQUIRED, AS DIRECTED BY THE ENGINEER, SITE INSPECTOR, OR DEPARTMENT.

23. IT IS THE RESPONSIBILITY OF THE LANDOWNER AND/OR GENERAL CONTRACTOR TO INFORM ANY SUB-CONTRACTOR(S), WHO MAY PERFORM WORK ON THIS SITE/PROJECT, OF THE REQUIREMENTS IN IMPLEMENTING AND MAINTAINING THESE EROSION CONTROL PLANS AND ASSURE COMPLIANCE WITH ALL APPLICABLE LOCAL, STATE, AND FEDERAL REGULATIONS.

INLET PROTECTION -MONOFILAMENT FABRIC BARRIER FENCE



NOTES:

1. 2 x 2 nominal hardwood stakes, 4 foot minimum length, driven into ground approximately 18 inches, stakes driven a minimum width of 12 inches away from the drop inlet.
2. Area inside the fence, from edge of fabric to structure, must be stabilized with Erosion Control Blanket, Turf Reinforcement Mat, Geotextile 592 Table 2 Class 2 or CA-7 stone
3. Maximum height of the fabric above the crest of the drop inlet shall be 30". Place the bottom 6 inches of the fabric in a trench and backfill with 6 inches of 95% compacted soil.
4. Stakes must be a maximum of 4 feet apart.
5. A maintenance schedule must maintain a sediment accumulation of less than 50% of the height of the monofilment fabric.
6. Monofilment fabric shall meet the requirement of Material Specification 592 Geotextile Table 1, Class 4.
7. Monofiliment fabric shall be secured to each 2" x 2" nominal hardwood stake with a minimum of 4 steel staple fasteners and wood lath. Wood lath shall be a minimum length of 10 inches. Wire fasteners should be used if metal T-Posts are installed in place of hardwood stakes.

REFERENCE
Project ____
Designed ____ Date ____
Checked ____ Date ____
Approved ____ Date ____

STANDARD DWG. NO.
IUM-531
SHEET 1 OF 1
DATE 04-6-15

MODEL: $MODELNAME$
FILE NAME: pw://ciorba-pw.bentley.com:ciorba-pw-01/Documents/Projects/IL_DOT/D1/0021693.09/CADD/Sht/Drainage/0021693.09-erosdet01.dgn

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

USER NAME =		DESIGNED - TBH	REVISED -
		CHECKED - TBH	REVISED -
PLOT SCALE =		DRAWN - JM	REVISED -
PLOT DATE =		CHECKED -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL RTE 1 (HALSTED AVE.)
EROSION CONTROL AND DETAILS

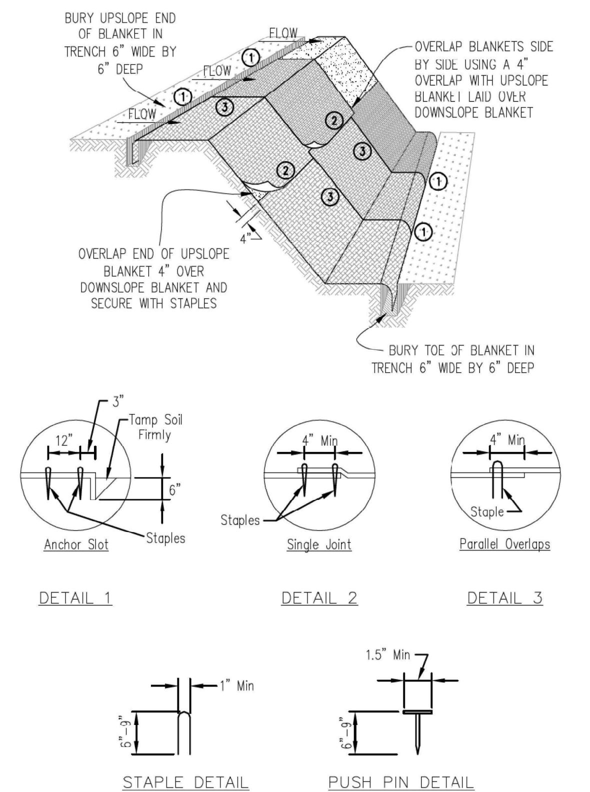
SCALE: | SHEET OF SHEETS | STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3730	(K-B-2) BR24	COOK	66	23

CONTRACT NO. 62X02
ILLINOIS | FED. AID PROJECT

3/14/2025 11:46:38 AM

AUTOCAD2006

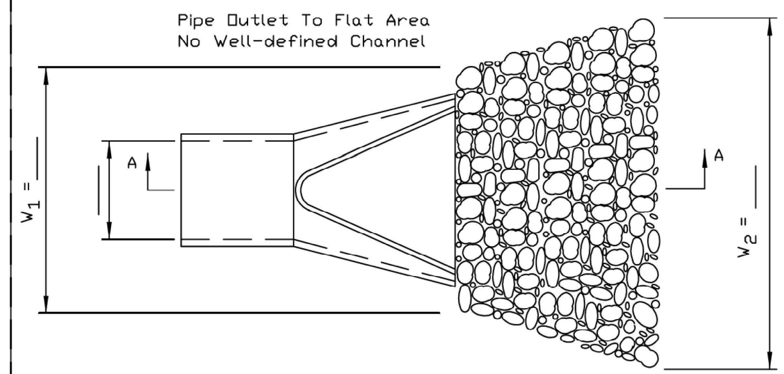


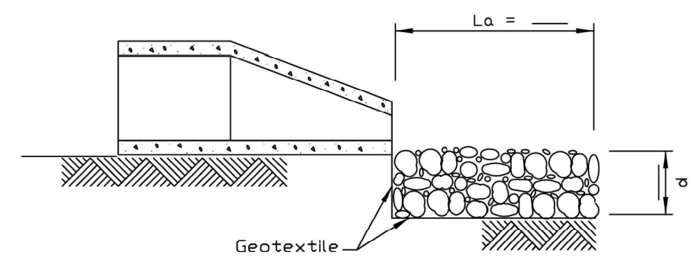
NOTES:

1. Staples shall be placed in a diamond pattern at 2 per s.y. for stiched blankets. Non-stiched shall use 4 staples per s.y. of material. This equates to 200 staples with stiched blanket and 400 stapels with non-stiched blanket per 100 s.y. of material.
2. Staple or push pin lengths shall be selected based on soil type and conditions. (minimum staple length is 6")
3. Erosion control material shall be placed in contact with the soil over a prepared seedbed.
4. All anchor slots shall be stapled at approximately 12" intervals.

File No. / Drawing No. IUM-530	EROSION CONTROL BLANKET INSTALLATION DETAILS	Designed ____	Date ____
		Drawn B. JOHNSON	11/08
		Checked ____	____
		Approved ____	____

PIPE OUTLET TO FLAT AREA

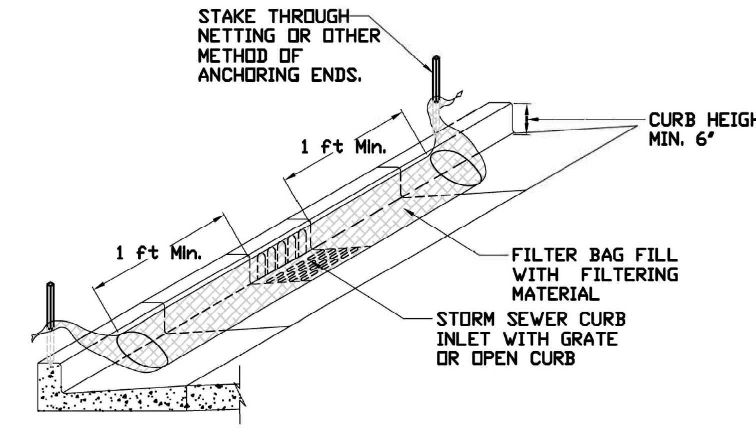


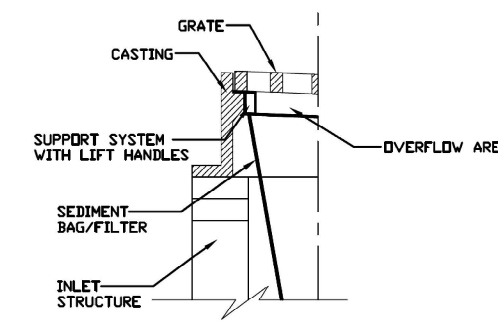


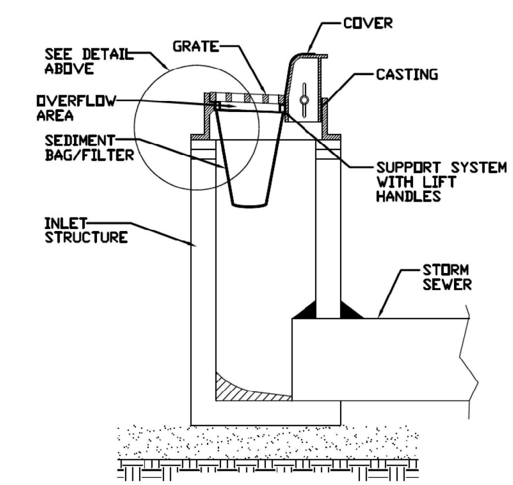
NOTES:

1. The filter fabric shall meet the requirements in material specifications 592 GEOTEXTILE Table 1 or 2, class I, II or III .
2. The rock riprap shall shall meet the IDOT requirements for the following gradation: RR ________ , Quality ________ .
3. The riprap shall be placed according to construction specification 61 LOOSE ROCK RIPRAP. The rock may be equipment placed.

REFERENCE Project ____ Designed ____ Date ____ Checked ____ Date ____ Approved ____ Date ____	NRCS Natural Resources Conservation Service	STANDARD DWG. NO. IL-610 SHEET 1 OF 1 DATE 9-15-93





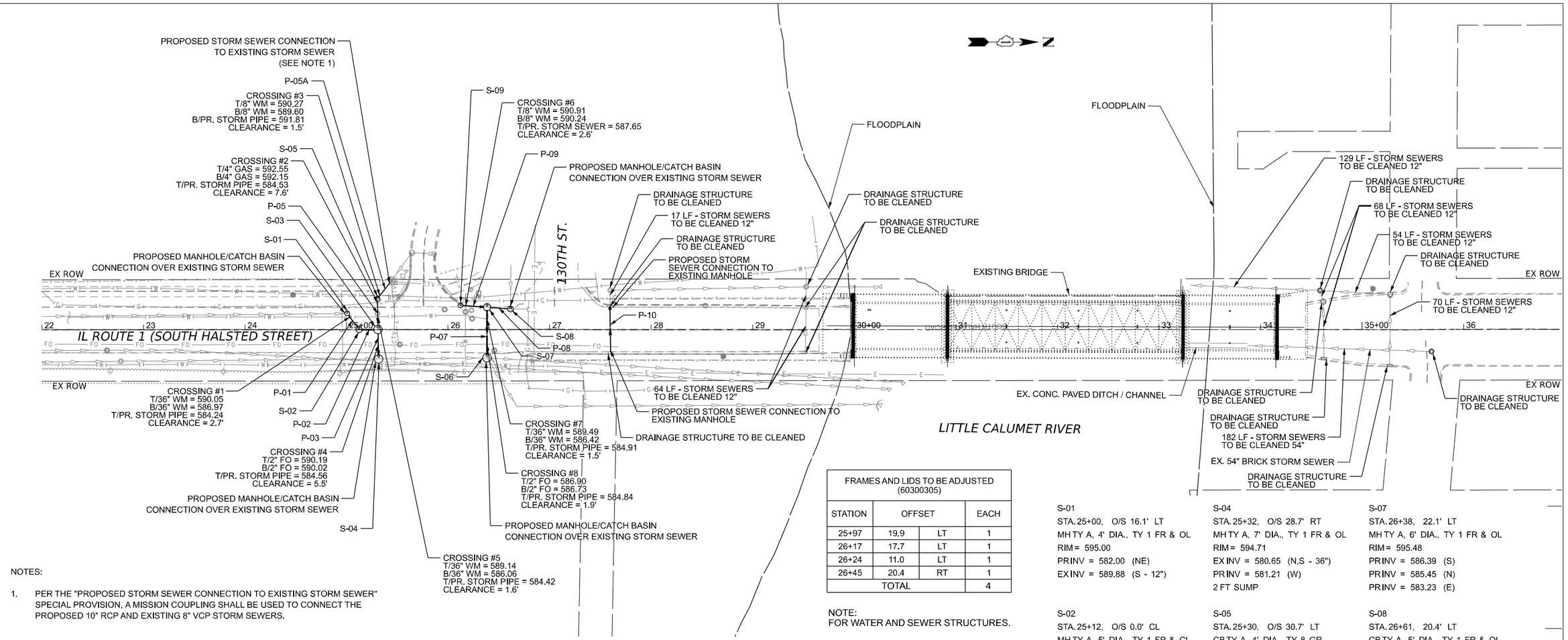


INLET PROTECTION
PAVED AREAS / DROP PROTECTION

MODEL: $MODELNAME$
FILE NAME: pw://ciorba-pw.bentley.com:ciorba-pw-01/Documents/Projects/IL_DOT/D1/0021693.09/CADD/Sht/Drainage/0021693.09-erosdet02.dgn

CiorbaGroup 8725 W. Higgins Rd, Ste 600, Chicago, IL 60631 P 773.775.4009 | www.ciorba.com	USER NAME =	DESIGNED - TBH	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL RTE 1 (HALSTED AVE.) EROSION CONTROL AND DETAILS	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		CHECKED - TBH	REVISED -			3730	(K-B-2) BR24	COOK	66	24
	PLOT SCALE =	DRAWN - JM	REVISED -					CONTRACT NO. 62X02		
	PLOT DATE =	CHECKED -	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.			ILLINOIS FED. AID PROJECT		

3/14/2025 11:46:48 AM

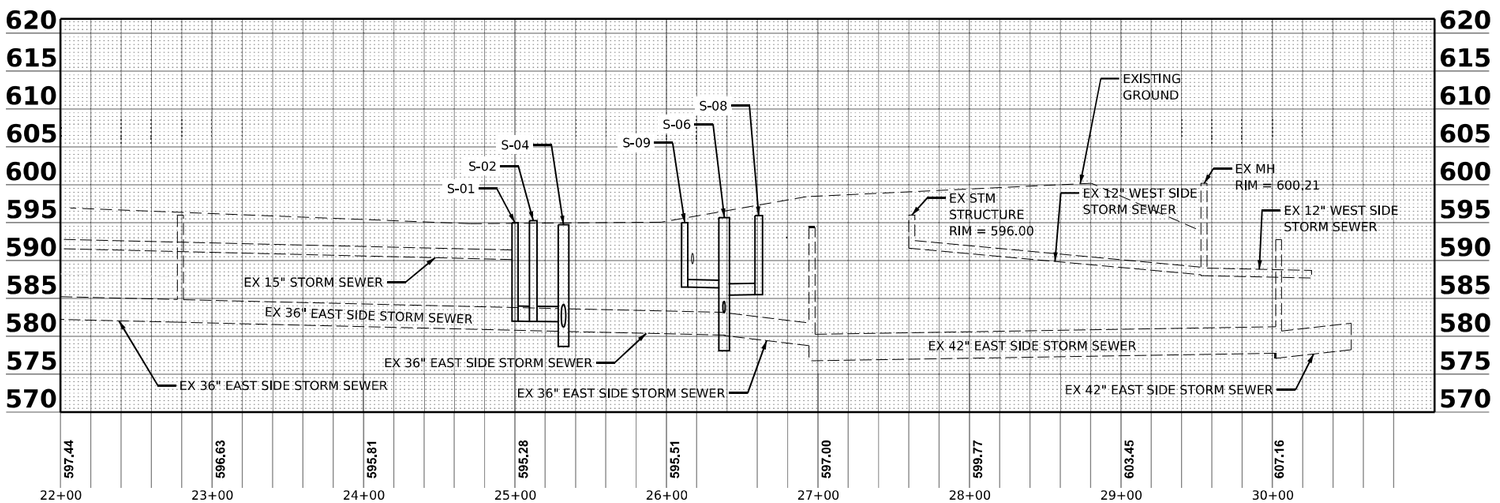


NOTES:

1. PER THE "PROPOSED STORM SEWER CONNECTION TO EXISTING STORM SEWER" SPECIAL PROVISION, A MISSION COUPLING SHALL BE USED TO CONNECT THE PROPOSED 10" RCP AND EXISTING 8" VCP STORM SEWERS.

FRAMES AND LIDS TO BE ADJUSTED (60300305)			
STATION	OFFSET		EACH
25+97	19.9	LT	1
26+17	17.7	LT	1
26+24	11.0	LT	1
26+45	20.4	RT	1
TOTAL			4

NOTE:
FOR WATER AND SEWER STRUCTURES.



S-01
STA. 25+00, O/S 16.1' LT
MH TY A, 4' DIA., TY 1 FR & OL
RIM = 595.00
PR INV = 582.00 (NE)
EX INV = 589.88 (S - 12")

S-02
STA. 25+12, O/S 0.0' CL
MH TY A, 5' DIA., TY 1 FR & CL
RIM = 595.29
PR INV = 581.97 (SW,N)

S-03
STA. 25+31, O/S 0.0' CL
MH TY A, 7' DIA., TY 1 FR & CL
RIM = 595.23
PR INV = 581.25 (E)
PR INV = 581.94 (S)
PR INV = 581.56 (W)

P-01
16 LF - 24" RCP TY 2 @ 0.20%
TBF = 38 CYD

P-02
13 LF - 24" RCP TY 2 @ 0.20%
TBF = 32 CYD

P-03
22 LF - 36" RCP TY 2 @ 0.20%
TBF = 63 CYD

P-05
25 LF - 30" RCP TY 2 @ 0.75%
TBF = 63 CYD

S-04
STA. 25+32, O/S 28.7' RT
MH TY A, 7' DIA., TY 1 FR & OL
RIM = 594.71
EX INV = 580.65 (N,S - 36")
PR INV = 581.21 (W)
2 FT SUMP

S-05
STA. 25+30, O/S 30.7' LT
CB TY A, 4' DIA., TY 8 GR
RIM = 594.18
PR INV = 581.75 (E)
EX INV = 591.73 (NW - 8")

S-06
STA. 26+38, O/S 27.7' RT
MH TY A, 7 DIA., TY 1 FR & CL
RIM = 595.67
EX INV = 580.11 (S - 36")
EX INV = 580.07 (NE - 36")
PR INV = 583.10 (W)
2 FT SUMP

P-05A
18 LF - 10" RCP TY 2 @ 0.50%
TBF = 3 CYD

P-07
44 LF - 18" RCP TY 2 @ 0.30%
TBF = 90 CYD

P-08
18 LF - 18" RCP TY 2 @ 0.30%
TBF = 31 CYD

P-09
22 LF - 12" RCP TY 2 @ 0.50%
TBF = 29 CYD

S-07
STA. 26+38, 22.1' LT
MH TY A, 6' DIA., TY 1 FR & OL
RIM = 595.48
PR INV = 586.39 (S)
PR INV = 585.45 (N)
PR INV = 583.23 (E)

S-08
STA. 26+61, 20.4' LT
CB TY A, 5' DIA., TY 1 FR & OL
RIM = 595.94
EX INV = 586.70 (W - 12")
PR INV = 585.50 (S)

S-09
STA. 26+12, 24.1' LT
CB TY A, 4' DIA., TY 1 FR & OL
RIM = 594.99
PR INV = 586.50 (N)

P-10
46 LF - 12" RCP TY 2 @ 0.42%
TBF = 55 CYD

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

USER NAME =	DESIGNED - TBH	REVISED -
	CHECKED - TBH	REVISED -
PLOT SCALE =	DRAWN - JM	REVISED -
PLOT DATE =	CHECKED -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL RTE 1 (HALSTED AVE.)
PROPOSED DRAINAGE PLAN AND PROFILE

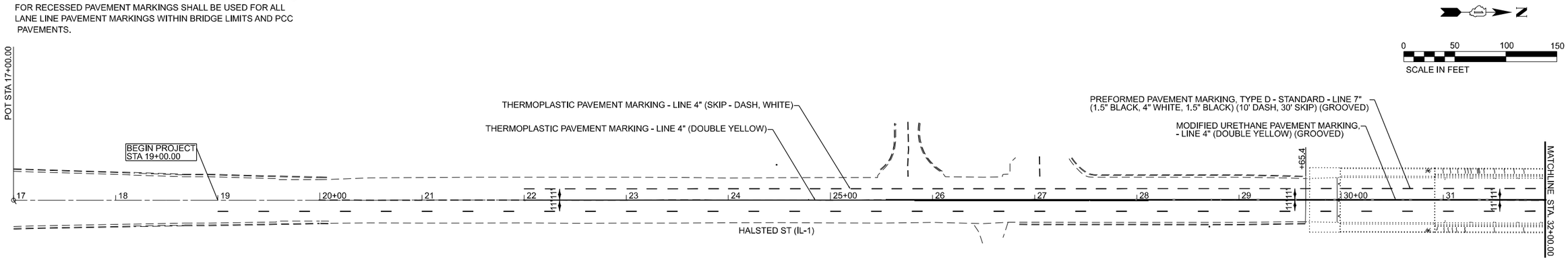
SCALE: 1" = 50' | SHEET OF SHEETS | STA. | TO STA.

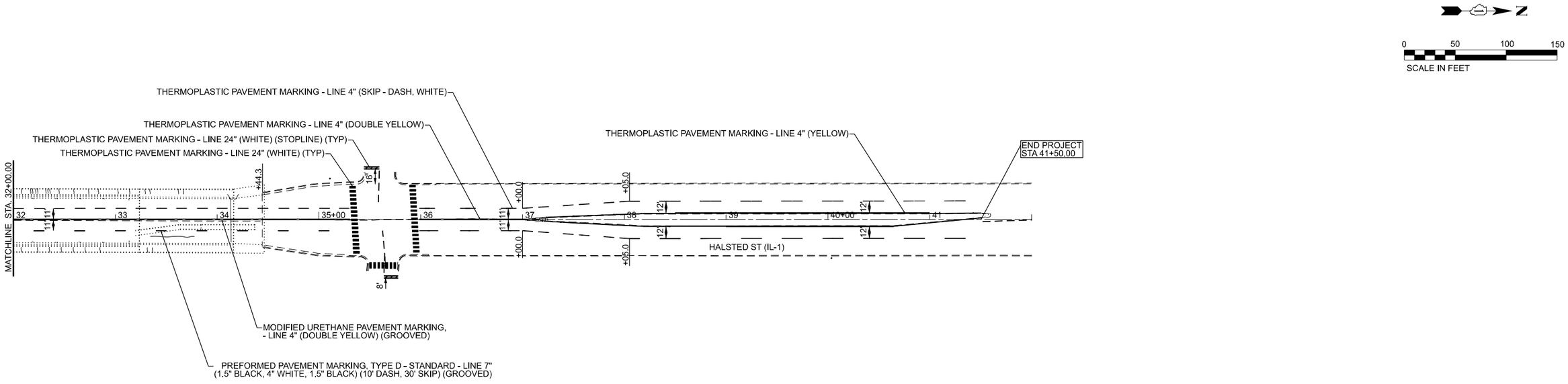
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3730	(K-B-2) BR24	COOK	66	25
		CONTRACT NO. 62X02		
	ILLINOIS	FED. AID PROJECT		

MODEL: $MODELNAME$
FILE NAME: pw:\\ciorba-pw.bentley.com:ciorba-pw-01\Documents\Projects\IL_DOT\D1\0021693.09\CADD\Shr\Drainage\0021693.09-drnPNP01.dgn

3/13/2025 11:55:21 PM

NOTE: PREFORMED PAVEMENT MARKINGS TYPE D AND GROOVING FOR RECESSED PAVEMENT MARKINGS SHALL BE USED FOR ALL LANE LINE PAVEMENT MARKINGS WITHIN BRIDGE LIMITS AND PCC PAVEMENTS.





MODEL: sMODELNAMES
FILE NAME: pw://ciorba-pw.bentley.com:ciorba-pw-01/Documents/Projects/IL_DOT/D1/0021693.09/CADD/Sht/StripingSigning/0021693.09-PMK01.dgn

4/30/2025 12:35:40 PM

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

USER NAME =	DESIGNED - TBH	REVISED -
	CHECKED - TBH	REVISED -
PLOT SCALE =	DRAWN - JM	REVISED -
PLOT DATE =	CHECKED -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL RTE 1 (HALSTED AVE.)
PAVEMENT MARKING PLAN

SCALE: 1" = 50' | SHEET 1 OF 1 SHEETS | STA. 17+00.00 | TO STA. 47+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3730	(K-B-2) BR24	COOK	66	26
		CONTRACT NO. 62X02		
	ILLINOIS	FED. AID PROJECT		

Bench Mark: "X" cut on west bolt on fire hydrant, northwest corner of Halsted Street and 129th. Pl., Elevation 601.53.

Existing Structure: The existing Structure consists of a main channel through truss span and a PPC I-Beam approach span at each end of the truss span. The original Structure was built in 1931 as Section Number K-B-2 and reconstructed in 1996. The Structure underwent structural steel repairs, steel cleaning and painting in 2016.

Traffic is to be maintained utilizing staged construction.

No Salvage

DESIGN SPECIFICATIONS

2002 AASHTO Standard Specifications for Highway Bridges, 17th Edition

RECONSTRUCTION

1993 AASHTO Standard Specifications with 1993 Interims.

2012 AASHTO LRFD Bridge Design Specification, 6th Edition

DESIGN STRESS

FIELD UNITS

f'c= 4,000 psi (Superstructure)
f'c– 3,500 psi
fy= 60,000 psi (Reinforcement)

ORIGINAL CONSTRUCTION (1931)

f'c=1,200 psi
fs= 20.000 psi (Reinforcement)
fs= 18,000 psi (Structural Steel)

RECONSTRUCTION (1996)

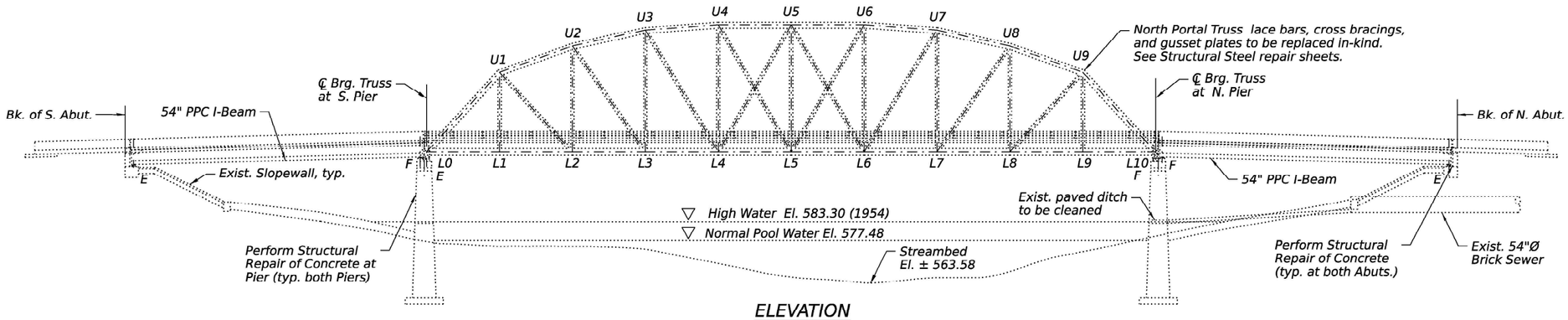
f'c= 3,500 psi
fy– 60,000 psi (Reinforcement)
fy= 36,000 psi (Structural Steel M270, Grade 36)
fs= 20,000 psi (Truss Span)

PRECAST PRESTRESSED UNITS (1996)

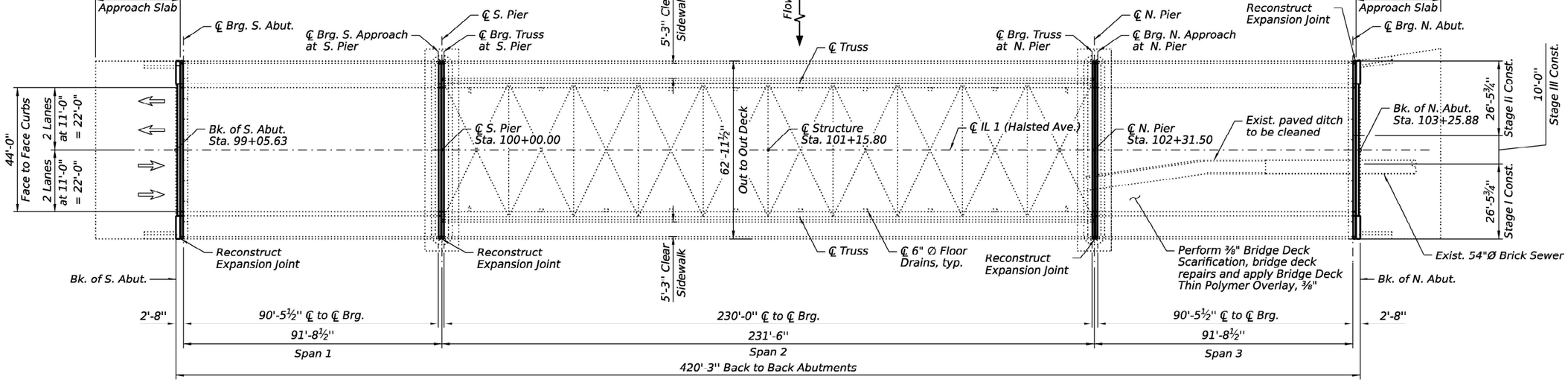
f'c= 6,000 psi
f'ci= 5,000 psi
fs' = 270,000 psi (½" Ø Low Relax. Strands)
fsi' = 201,960 psi (½" Ø Low Relax. Strands)

LOADING HS20-44

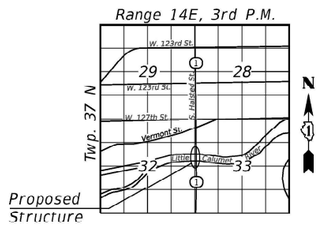
No Future Wearing Surface is Allowed



ELEVATION



PLAN



LOCATION MAP

GENERAL PLAN AND ELEVATION
IL 1 (HALSTED AVENUE)
OVER LITTLE CALUMET RIVER
F.A.U. RTE. 3730- SECTION (K-B-2) BR24
COOK COUNTY
STATION 101+15.80
STRUCTURE NO. 016-0193

STATE OF ILLINOIS
LICENSED STRUCTURAL ENGINEER
BRETT W. SAUTER
081-006844
DATE: 3/14/2025
SEAL EXPIRES: 11/30/2026

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

USER NAME =	DESIGNED - SIK	REVISED -	
	CHECKED - BWS	REVISED -	
PLOT SCALE =	DRAWN - SIK	REVISED -	
PLOT DATE =	CHECKED - BWS	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SHEET S-01 OF S-33 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3730	(K-B-2) BR24	COOK	66	27
		CONTRACT NO. 62X02		
		ILLINOIS	FED. AID PROJECT	

MODEL: $MODELNAME$
FILE NAME: pw:\\ciorba-pw.bentley.com:ciorba-pw-01\Documents\Projects\IL_DOT\D1\2021693.09\CADD\Sht\Structural\016D193-62X02-01-GPE

3/14/2025 3:42:21 PM

GENERAL NOTES:

1. Fasteners shall be ASTM A325, Type I, Mechanically Galvanized bolts. Bolts connecting new steel members shall be $\frac{7}{8}$"Ø, open holes $\frac{15}{16}$"Ø, unless otherwise noted.
2. All structural steel shall conform to AASHTO Classification M-270 Gr. 50, unless otherwise noted.
3. No field welding is permitted except as specified in the contract documents.
4. Reinforcement bars designated (E) shall be epoxy coated.
5. Prior to pouring the new concrete deck for expansion joint reconstruction and deck slab repairs, all heavy or loose rust, loose mill scale, and other loose or potentially detrimental foreign material shall be removed from the surfaces in contact with concrete. Tightly adhered paint may remain unless otherwise noted. Removal shall be accomplished by methods that will not damage the steel and the cost will be included in the pay item covering removal of the existing concrete. As directed by the Engineer, existing construction accessories welded to the top flange of beams and girders shall be removed. The weld areas shall be ground flush and inspected for cracks using magnetic particle testing (MT) or dye penetrant testing (PT) by qualified personnel approved by the Engineer. Any cracks that cannot be removed by grinding/4" deep shall be identified and reported to the Bureau of Bridges and Structures for further dispositions. The cost of removing welded accessories, grinding and inspecting weld areas and grinding cracks will be paid for according to Article 109.04 of the Standard Specifications.
6. 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 the work; however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.
7. The existing structural steel coating contains lead. The Contractor shall take appropriate precautions to deal with the presence of lead on this project.
8. Cleaning and painting of the existing and new structural steel shall be as specified in the special provision for "Cleaning and Painting Existing Steel Structures". All existing steel shall be cleaned per Near White Blast Cleaning – SSPC-SP10. All existing steel shall be painted according to the requirements of Paint System 1 - OZ/E/U. The color of the final finish coat for all interior steel surfaces shall be Gray, Munsell No 5B 7/1. The color of the final finish coat for the exterior and bottom flange of the fascia beams shall be (Blue, Munsell No 10B 3/6).
9. All new structural steel shall be painted with an inorganic zinc primer per AASHTO M 300, Type 1. Cost included with Structural Steel Repair.
10. The Contractor shall obtain all necessary permits from the Coast Guard and shall be per Maintenance of Navigation Special Provision. All channel clearances and free navigation shall be unreasonably interfered with. The Contractor shall submit a plan of operations to the Coast Guard which shall include a schedule of construction site activities.
11. Concrete Sealer shall be applied to the designated areas of the pier and abutment repairs and the proposed backwall.
12. The Contractor shall submit calculations and details demonstrating the structural integrity of the bridge is maintained under the additional imposed loads of the containment system. See special provisions.
13. A minimum of (4) air monitor(s) will be required to monitor abrasive blasting operations at this site. See special provision for "Containment and Disposal of Lead Paint Cleaning Residues."
14. Containment of cleaning residue is required to control nuisance dust. See special provisions.
15. Joint openings shall be adjusted according to Article 520.04 of the Standard Specifications when the deck is poured at an ambient temperature other than 50°F.
16. Any adjustment done to the protective shield system must not change the load carrying capacity as indicated in the Std Specs. Cost of adjusting shielding is included in the cost of protective shield.
17. Existing bicycle railing shall be protected and re-anchored to new concrete. Cost included in Concrete Removal.
18. Any steel repair work on the steel superstructure except work on the railing posts, shall take place on the portion of the structure without stage construction traffic. For repair sequence, see notes on repair sheets.
19. Existing reinforcement shall be cleaned, straightened and incorporated into the new construction. Any reinforcement bars that are damaged during concrete removal shall be replaced with an approved bar splicer or anchorage system. Cost included with Concrete Removal.
20. SSPC QP1 and QP2 Contractor Certification is required for this Contract.
21. Existing structural steel that will be in contact with new structural steel shall be cleaned and painted prior to erection as required by the Special Provision "Cleaning and Painting Contact Surface Areas of Existing Steel Structures", and the Standard Specifications.

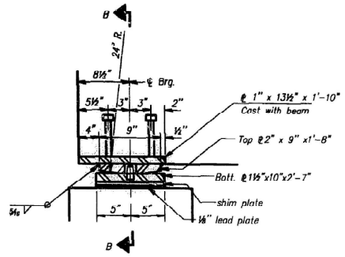
INDEX OF DRAWINGS

TOTAL BILL OF MATERIAL

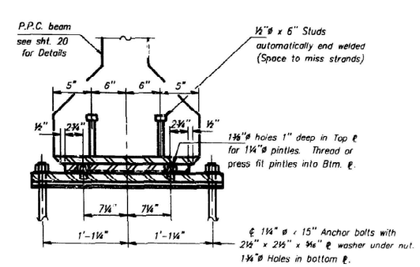
DESCRIPTION	UNIT	SP	SUB	SUPER	TOTAL
Concrete Removal	Cu Yd			23.2	23.2
Protective Shield	Sq Yd			1,621	1,621
Concrete Superstructure	Cu Yd			23.2	23.2
Protective Coat	Sq Yd			3,155	3,155
Furnishing And Erecting Structural Steel	Pound			2,160	2,160
Reinforcement Bars, Epoxy Coated	Pound			3,060	3,060
Bar Splicers	Each			68	68
Parapet Railing	Foot			16	16
Preformed Joint Strip Seal	Foot			256	256
Concrete Sealer	Sq Ft		6,050		6,050
Epoxy Crack Injection	Foot		144		144
Approach Slab Repair (Partial Depth)	Sq Yd	*		2	2
Structural Steel Removal	Pound	*		2,160	2,160
Containment And Disposal Of Lead Paint Cleaning Residues No. 1	L Sum	*		1	1
Cleaning And Painting Steel Bridge No. 1	L Sum	*		1	1
Cleaning Drainage System	L Sum	*		1	1
Concrete Bridge Deck Scarification 3/8 Inch	Sq Yd	*		2,037	2,037
Bridge Deck Thin Polymer Overlay 3/8"	Sq Yd	*		2,037	2,037
Structural Repair Of Concrete (Depth Equal To Or Less Than 5 Inches)	Sq Ft	*	112	17	129
Structural Repair Of Concrete (Depth Greater Than 5 Inches)	Sq Ft	*	30	3	33
Deck Slab Repair (Partial)	Sq Yd	*		18	18
Floor Drain Extension	Each	*		16	16
Structural Steel Repair	Pound	*		20,550	20,550
Cleaning And Painting Bearings	Each	*		14	14

SCOPE OF WORK

1. Install protective shield over main truss span (Span 2) prior to Concrete Bridge Deck Scarification.
2. Perform Partial Depth Deck Slab Repairs for the roadway of the two approach spans and the main truss span.
3. Perform Concrete Bridge Deck Scarification, ⅜" for the roadway of the two approach spans (Spans 1 and 3) and the main truss span (Span 2). Resurface deck spans with a Bridge Deck Thin Polymer Overlay, ⅜"
4. Removal and replacement of Concrete Deck at all expansion joint locations.
5. Install new preformed joint strip seals at all expansion joint locations.
6. Apply Protective Coat to entire concrete deck, sidewalk, and inside/top face of parapets.
7. Replace the missing parapet railing at the north end of the northwest parapet and the south end of the southeast parapet.
8. Perform Epoxy Crack Injection at abutments and piers.
9. Perform Structural Repair of Concrete (less than 5" and greater than 5") to various locations along the parapets, abutments, and piers.
10. Apply Concrete Sealer to all exposed Substructure surfaces for the abutments and piers.
11. Perform various superstructure repairs (structural steel repairs) at various lower truss locations, including the lower chord members, diagonal chord members, and gusset plates.
12. Remove damaged structural steel members from portal truss. Furnish and erect structural steel members to replace in kind.
13. Clean entire drainage system of structure (floor drains within Spans 1 and 3 and drainage scuppers within Span 2).
14. Clean and paint all structural steel members. Contain and dispose of all paint cleaning residues in accordance with applicable regulations.



SECTION AT PIER.



SECTION B–B

EXISTING FIXED BEARINGS AT PIERS -APPROACH SPANS (FOR INFORMATION ONLY)

Clean and Paint exposed steel portion on fixed bearings under PPC beams at piers. Cost included with Cleaning and Painting Bearings. See Special Provision.

Cleaning and painting of the existing and new structural steel shall be as specified in the special provision for "Cleaning and Painting Bearings". All interrior bearings at south and north piers shall be cleaned per Near White Blast Cleaning – SSPC-SP10.

The designated areas cleaned Near White Blast Cleaning shall be painted according to the requirements of Organics Zinc-Rich Primer/Epoxy Intermediate Coat/ Urethane Topcoat - OZ/E/U. The color of the final finish coat for all steel surfaces shall be Gray, Munsell No 5B 7/1.

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

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

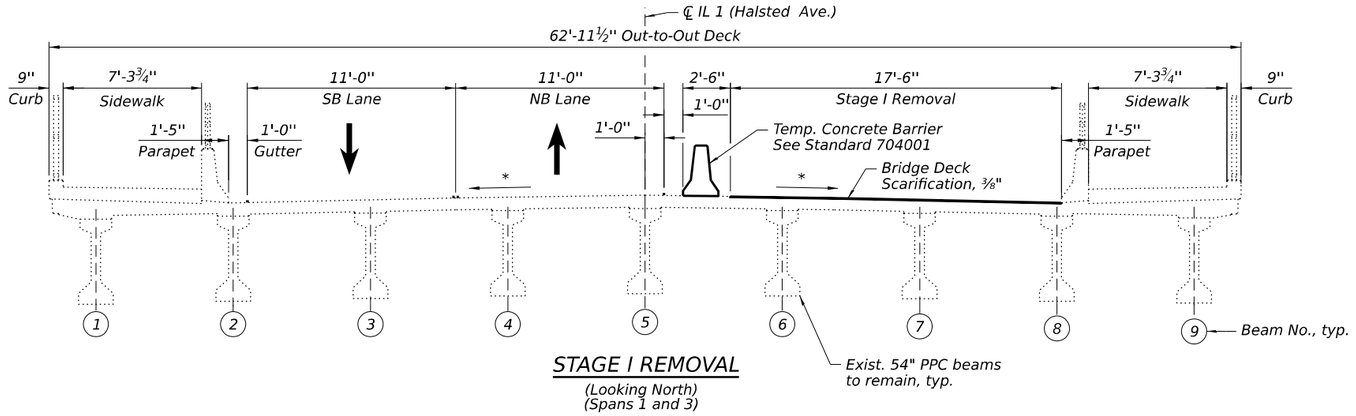
USER NAME =	DESIGNED - SIK	REVISED -	
	CHECKED - BWS	REVISED -	
PLOT SCALE =	DRAWN - SIK	REVISED -	
PLOT DATE =	CHECKED - BWS	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES, INDEX OF SHEETS AND TOTAL BILL OF MATERIAL
STRUCTURE NO. 016–0193
SHEET S-02 OF S-33 SHEETS

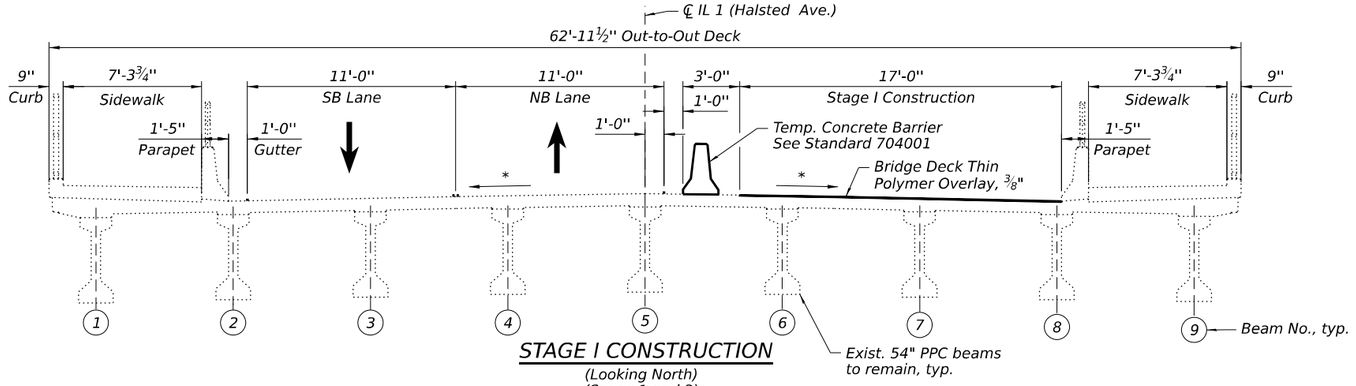
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3730	(K-B-2) BR24	COOK	66	28
		CONTRACT NO. 62X02		
		ILLINOIS	FED. AID PROJECT	

MODEL: $MODELNAME$
FILE NAME: pw:/ciorba-pw.bentley.com:ciorba-pw-01/Documents/Projects/IL_DOT/D1/002.1693.09/CADD/Sht/Structural/016D193-62X02-02-GenNotes
5/8/2025 3:00:47 PM



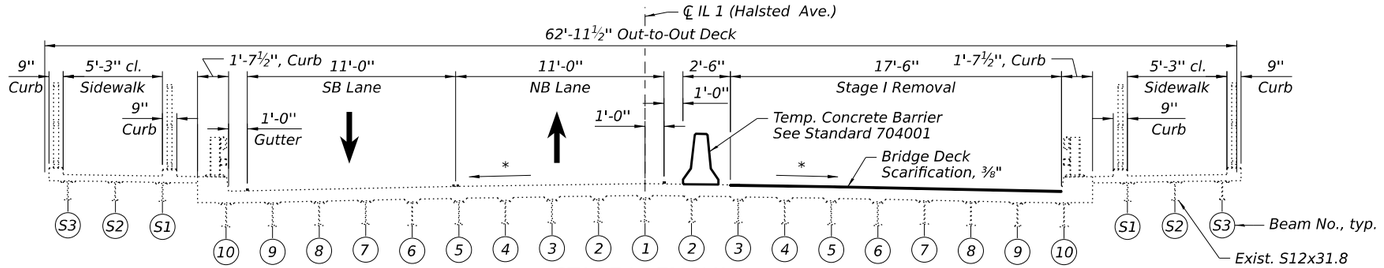
STAGE I REMOVAL

(Looking North)
(Spans 1 and 3)



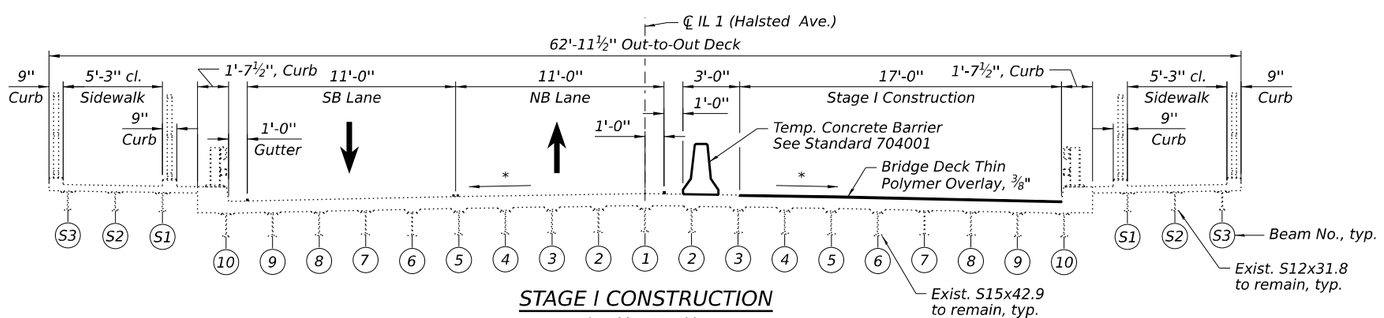
STAGE I CONSTRUCTION

(Looking North)
(Spans 1 and 3)



STAGE I REMOVAL

(Looking North)
(Span 2)



STAGE I CONSTRUCTION

(Looking North)

STAGE I REMOVAL

1. Install temporary concrete barrier as shown to locate traffic lanes on the west side of the existing structure.
2. Perform ⅜" bridge deck scarification.
3. Remove areas of existing deck for full-depth deck slab repairs and remove areas of concrete for approach slab repairs at locations shown in the plans.
4. Remove portions of bridge deck/approach slab adjacent to expansion joints at the South and North Abutments and the South and North Piers.

STAGE I CONSTRUCTION

1. Perform bridge deck slab and approach slab repairs.
2. Reconstruct expansion joints and install new preformed joint strip seals with the limits of Stage I Construction.
3. Perform steel repair and structural repair of concrete for the abutments and piers.
4. Apply ⅜" bridge deck thin polymer overlay.
5. Repair southeast roadway and sidewalk pavement. See Roadway Plans.
6. Perform parapet repairs.
7. Apply protective coat to top and inside faces of southwest, southeast, northwest, and northeast parapet and sidewalk, reconstructed abutment and pier expansion joint areas and to the surface of the new overlay.

* Match existing deck slope.

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

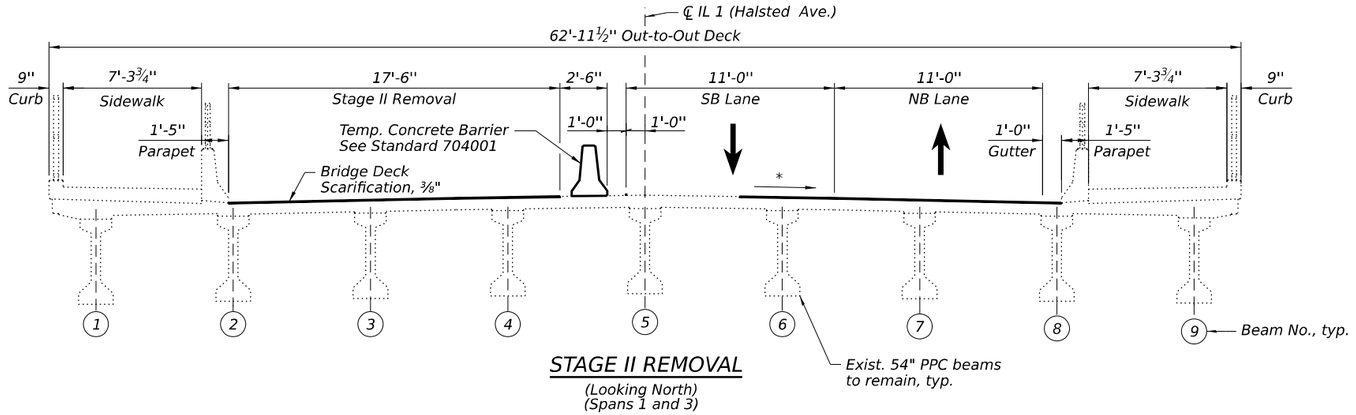
USER NAME =	DESIGNED - SIK	REVISED -	
	CHECKED - BWS	REVISED -	
PLOT SCALE =	DRAWN - SIK	REVISED -	
PLOT DATE =	CHECKED - BWS	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGE CONSTRUCTION (SHEET 1 OF 3)
STRUCTURE NO. 016–0193

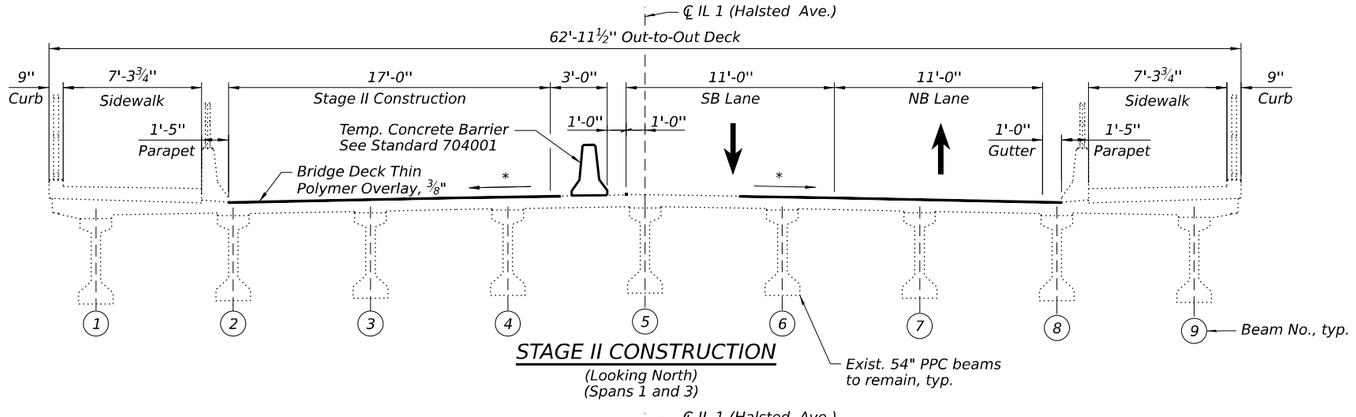
SHEET S-03 OF S-33 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3730	(K-B-2) BR24	COOK	66	29
		CONTRACT NO. 62X02		
	ILLINOIS	FED. AID PROJECT		



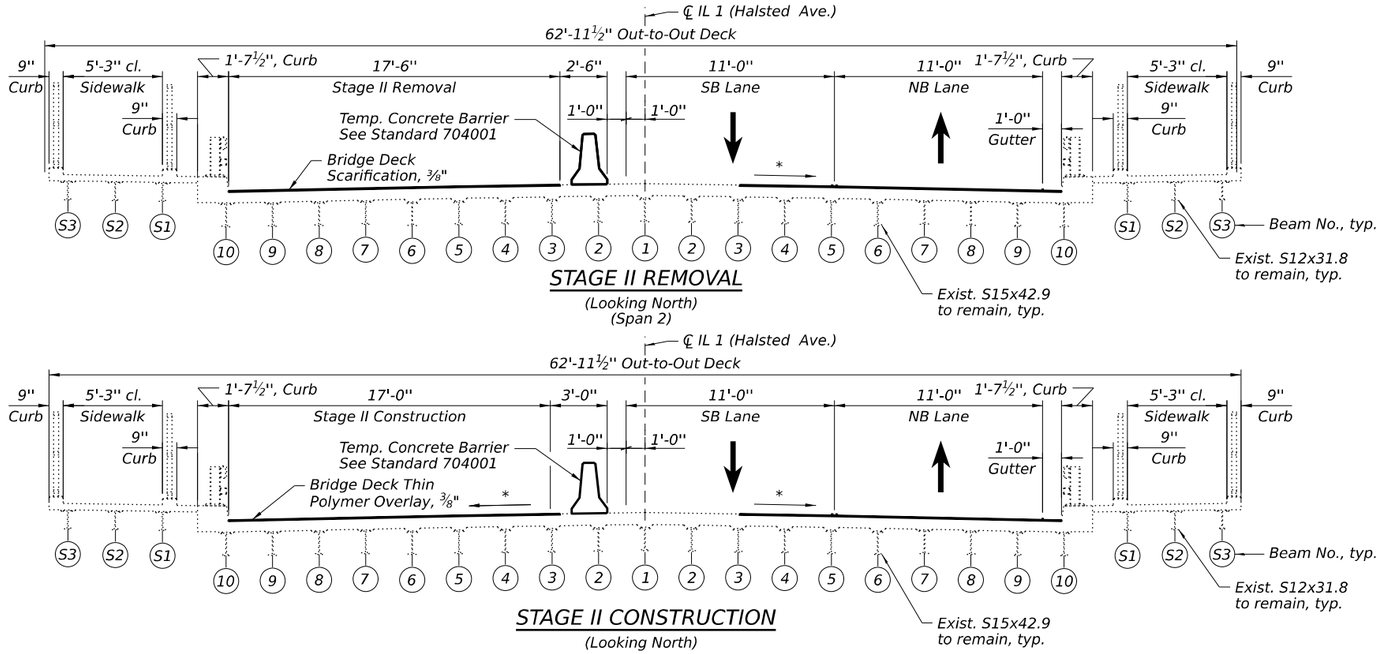
STAGE II REMOVAL

(Looking North)
(Spans 1 and 3)



STAGE II CONSTRUCTION

(Looking North)
(Spans 1 and 3)



STAGE II REMOVAL

(Looking North)
(Span 2)

STAGE II CONSTRUCTION

(Looking North)

STAGE II REMOVAL

1. Install temporary concrete barrier as shown to locate traffic lanes on the east side of the existing structure.
2. Perform ⅜" bridge deck scarification.
3. Remove areas of existing deck for full-depth deck slab and remove areas of concrete for approach slab repairs at locations shown in the plans.
4. Remove portions of bridge deck/approach slab adjacent to expansion joints at the South and North Abutments and the South and North Piers.

STAGE II CONSTRUCTION

1. Perform bridge deck slab and approach slab repairs.
2. Reconstruct expansion joints and install new preformed joint strip seals with the limits of Stage II Construction.
3. Perform steel repair and structural repair of concrete for the abutments and piers.
4. Apply ⅜" bridge deck thin polymer overlay.
5. Repair southwest roadway and sidewalk pavement. See Roadway Plans.
6. Perform parapet repairs.
7. Apply protective coat to top and inside faces of southwest, southeast, northwest, and northeast parapet and sidewalk, reconstructed abutment and pier expansion joint areas and to the surface of the new overlay.

* Match existing deck slope.

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

USER NAME =	DESIGNED - SIK	REVISED -	
	CHECKED - BWS	REVISED -	
PLOT SCALE =	DRAWN - SIK	REVISED -	
PLOT DATE =	CHECKED - BWS	REVISED -	

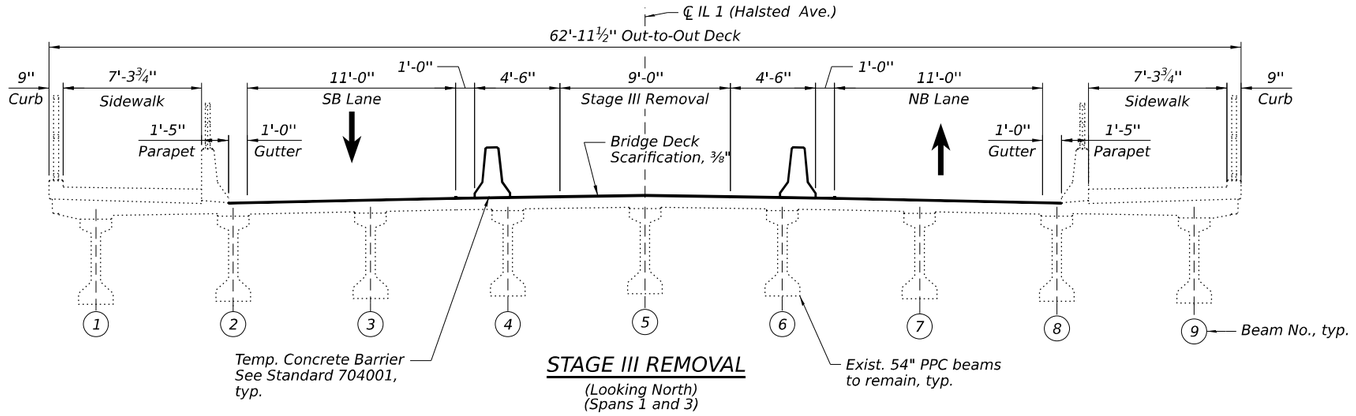
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGE CONSTRUCTION (SHEET 2 OF 3)
STRUCTURE NO. 016–0193

SHEET S-04 OF S-33 SHEETS

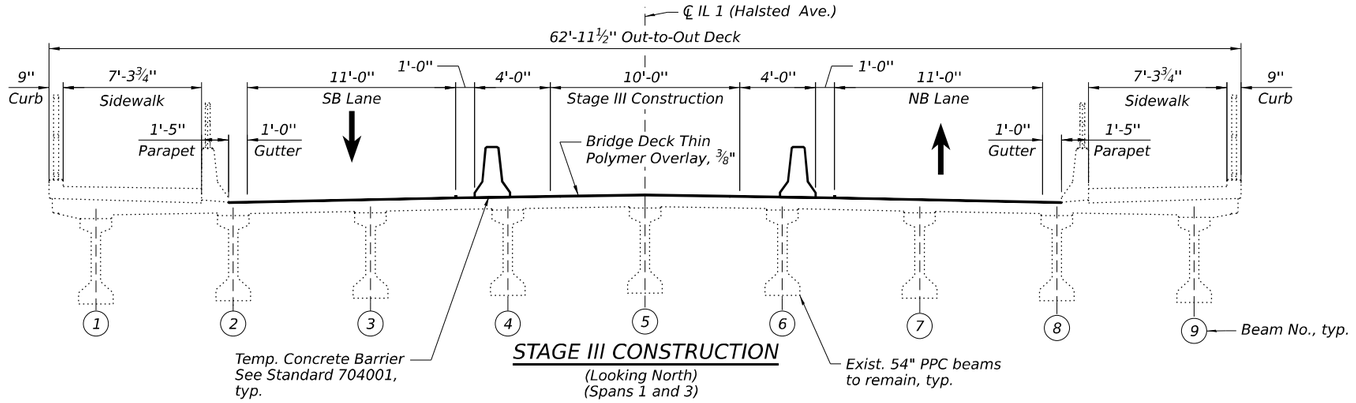
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3730	(K-B-2) BR24	COOK	66	30
		CONTRACT NO. 62X02		
	ILLINOIS	FED. AID PROJECT		

MODEL: SMODELNAMES
FILE NAME: pw://ciorba-pw.bentley.com:ciorba-pw-01/Documents/Projects/IL_DOT/D1/0021693.09/CADD/Sht/Structural/016D193-62X02-04-Stage Constr 2.dgn
3/14/2025 12:25:20 PM



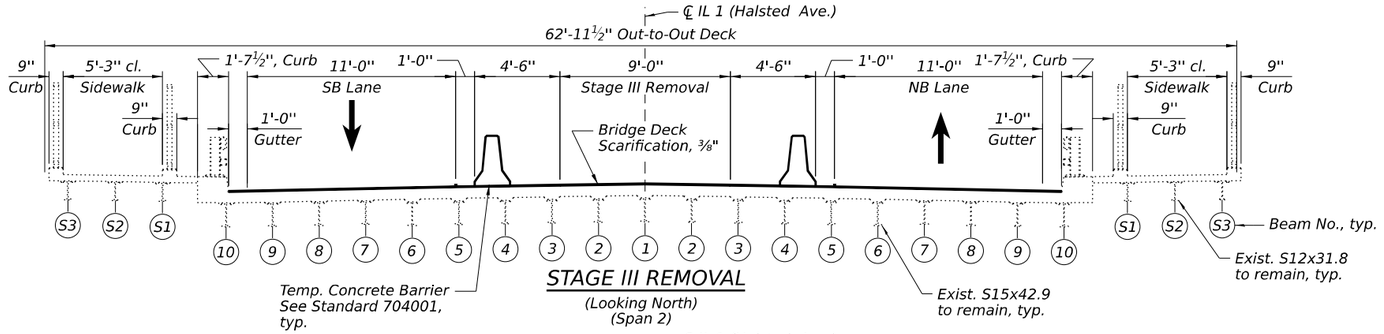
STAGE III REMOVAL

(Looking North)
(Spans 1 and 3)



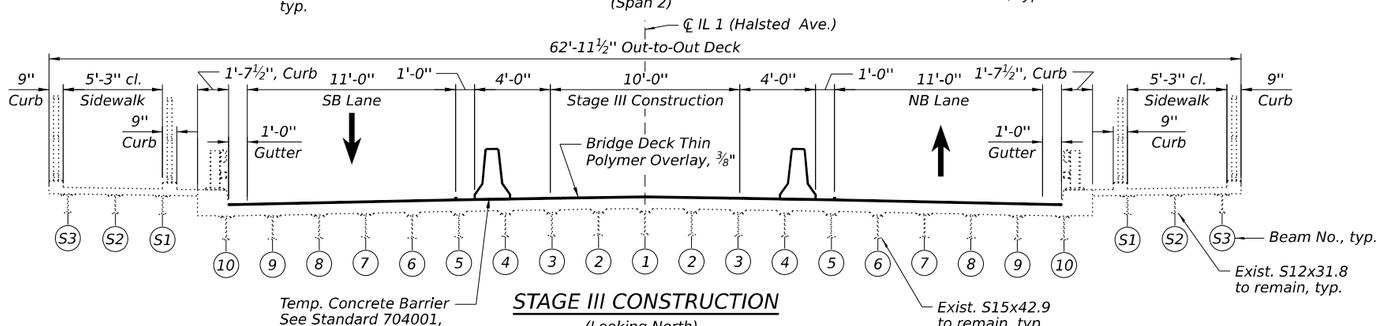
STAGE III CONSTRUCTION

(Looking North)
(Spans 1 and 3)



STAGE III REMOVAL

(Looking North)
(Span 2)



STAGE III CONSTRUCTION

(Looking North)

STAGE III REMOVAL

1. Install temporary concrete barrier as shown to locate one traffic lane on the east and the west side of the existing structure.
2. Perform ⅜" bridge deck scarification.
3. Remove areas of existing deck for full-depth deck slab and remove areas of concrete for approach slab repairs at locations shown in the plans.
4. Remove portions of bridge deck/approach slab adjacent to expansion joints at the South and North Abutments and South and North Piers.

STAGE III CONSTRUCTION

1. Perform bridge deck slab and approach slab repairs.
2. Reconstruct expansion joints and install new preformed joint strip seals with the limits of Stage III Construction.
3. Perform steel repairs and structural repair of concrete for the abutments and piers.
4. Apply ⅜" bridge deck thin polymer overlay.
5. Repair south roadway. See Roadway Plans.
6. Perform parapet repairs.
7. Apply protective coat to top and inside faces of southwest, southeast, northwest, and northeast parapet and sidewalk, reconstructed abutment and pier expansion joint areas and to the surface of the new overlay.

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

USER NAME =	DESIGNED - SIK	REVISED -	
	CHECKED - BWS	REVISED -	
PLOT SCALE =	DRAWN - SIK	REVISED -	
PLOT DATE =	CHECKED - BWS	REVISED -	

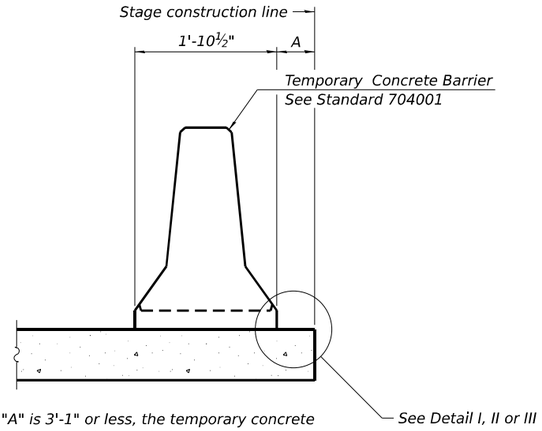
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGE CONSTRUCTION (SHEET 3 OF 3)
STRUCTURE NO. 016–0193

SHEET S-05 OF S-33 SHEETS

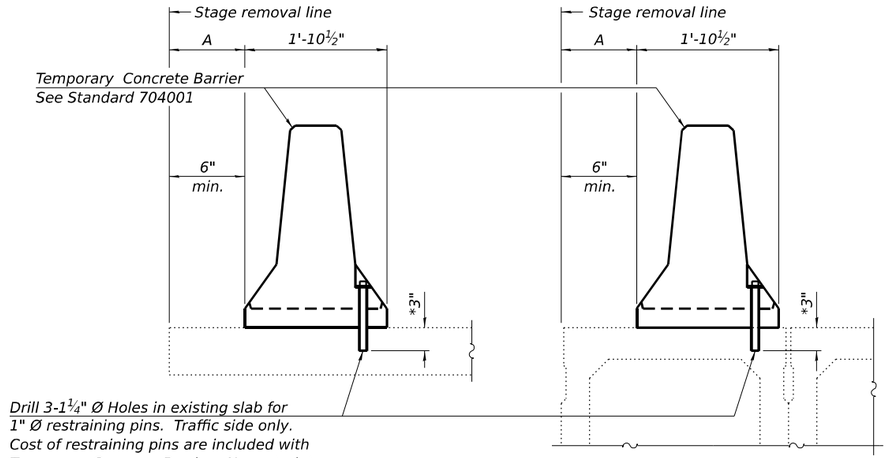
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3730	(K-B-2) BR24	COOK	66	31
		CONTRACT NO. 62X02		
	ILLINOIS	FED. AID PROJECT		

MODEL: SMODELNAMES
FILE NAME: pw://ciorba-pw.bentley.com:ciorba-pw-01/Documents/Projects/IL_DOT/D1/0021693.09/CADD/Sht/Structural/016193-62X02-05-Stage Constr 3.dgn
3/14/2025 12:25:27 PM



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

NEW SLAB OR NEW DECK BEAM

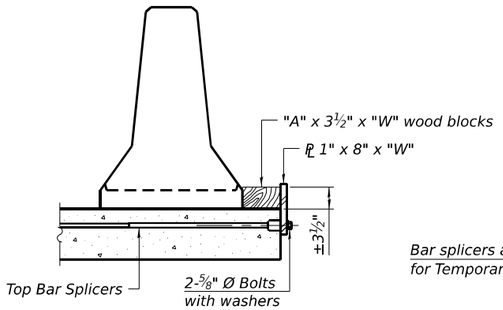


EXISTING SLAB

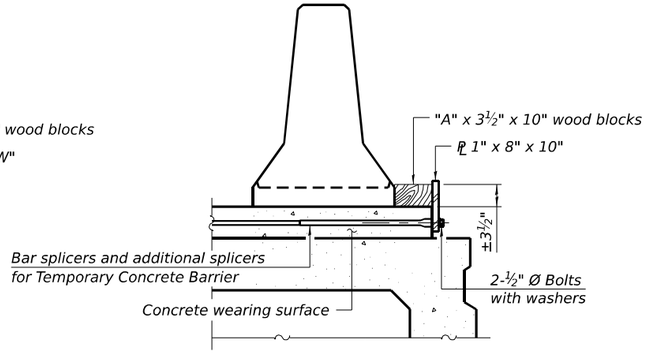
* When hot-mix asphalt wearing surface is present, embedment shall be 3" plus the wearing surface depth.

EXISTING DECK BEAM

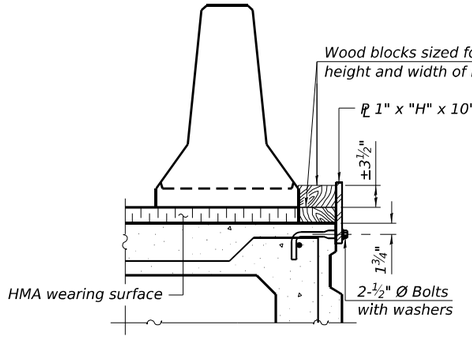
SECTIONS THRU SLAB OR DECK BEAM



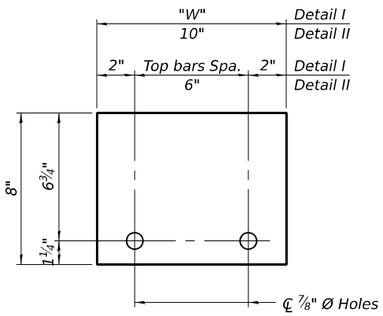
DETAIL I



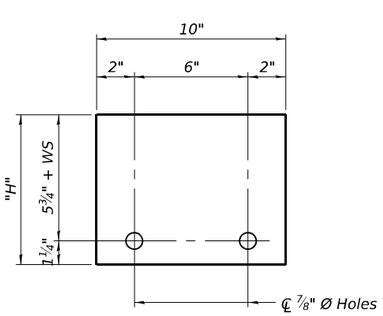
DETAIL II



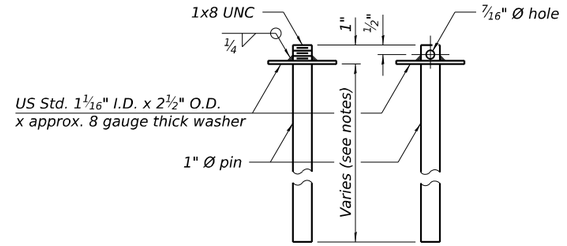
DETAIL III



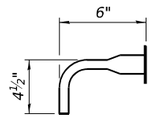
STEEL RETAINER ℄ 1" x 8" x "W"
(Detail I and II)



STEEL RETAINER ℄ 1" x "H" x 10"
(Detail III)



RESTRAINING PIN



BAR SPLICER FOR #4 BAR - DETAIL III

RAILING CRITERIA

NCHRP 350 Test Level	3
Railing Weight (plf)	440

R-27

5-15-2023

Notes:

Cost of retainer assembly is included with Temporary Concrete Barrier.

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

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

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

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

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

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

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

USER NAME =	DESIGNED - SIK	REVISED -	
	CHECKED - BWS	REVISED -	
PLOT SCALE =	DRAWN - SIK	REVISED -	
PLOT DATE =	CHECKED - BWS	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

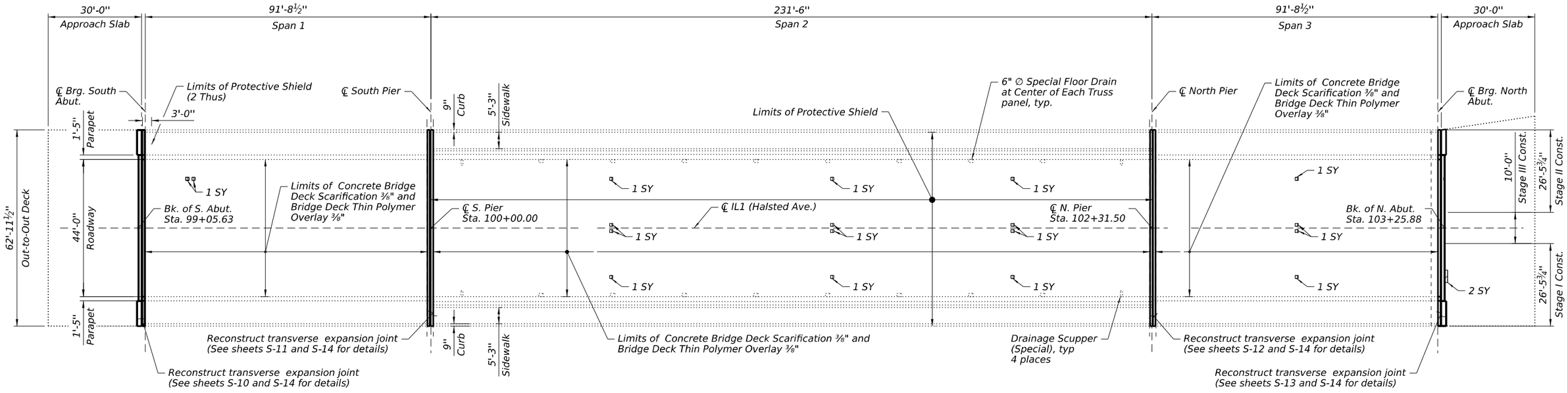
TEMPORARY CONCRETE BARRIER
STRUCTURE NO. 016–0193

SHEET S-06 OF S-33 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3730	(K-B-2) BR24	COOK	66	32
		CONTRACT NO. 62X02		
	ILLINOIS	FED. AID PROJECT		

NOTES:

1. *Areas of deck repairs shown are estimated. The actual locations of deck repairs to be determined by the Engineer at time of construction.*
2. *The engineer shall record the actual deck repair areas in order to document as-built condition for future reference.*
3. *For South and North Abutment, South and North Piers Expansion Joints removal and reconstruction, see Sheets S-10 thru S-14.*
4. *For Parapet and Railing Repairs, see Sheet S-08.*
5. *Protective coat shall be applied to the top of reconstructed transverse joints, top and inside face of parapets, and top of bridge deck polymer overlay.*



DECK PLAN

BILL OF MATERIAL

Item	Unit	Quantity
Protective Shield	Sq Yd	1621
Protective Coat	Sq Yd	3155
Cleaning Bridge Scuppers And Downspouts	Each	20
Floor Drain Extension	Each	16
Approach Slab Repair (Partial Depth)	Sq Yd	2
Concrete Bridge Deck Scarification 3/8 Inch	Sq Yd	2037
Bridge Deck Thin Polymer Overlay 3/8"	Sq Yd	2037
Deck Slab Repair (Partial)	Sq Yd	18

LEGEND

Approach Slab Repair (Partial Depth)

Deck Slab Repair (Partial)

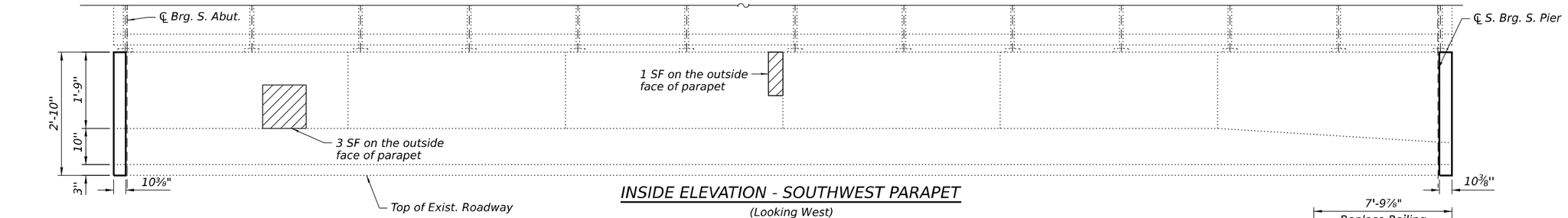
CiorbaGroup
8725 W. Higgins Rd, Ste 600, Chicago, IL 60631
P 773.775.4009 | www.ciorba.com

USER NAME =	DESIGNED - SIK	REVISED -	
	CHECKED - BWS	REVISED -	
PLOT SCALE =	DRAWN - SIK	REVISED -	
PLOT DATE =	CHECKED - BWS	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

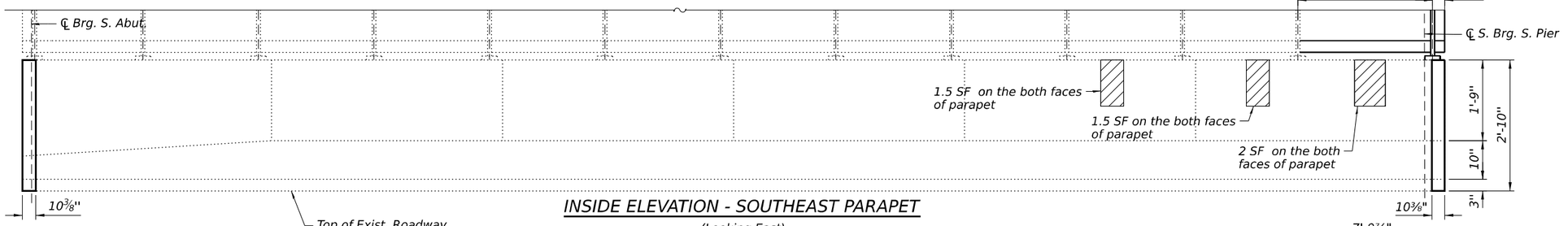
DECK REPAIR PLAN
STRUCTURE NO. 016–0193
SHEET 5-07 OF 5-33 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3730	(K-B-2) BR24	COOK	66	33
		CONTRACT NO. 62X02		
	ILLINOIS	FED. AID PROJECT		



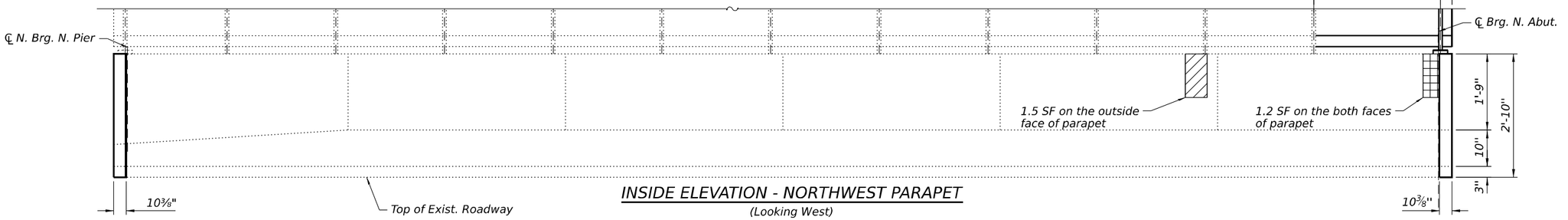
INSIDE ELEVATION - SOUTHWEST PARAPET

(Looking West)



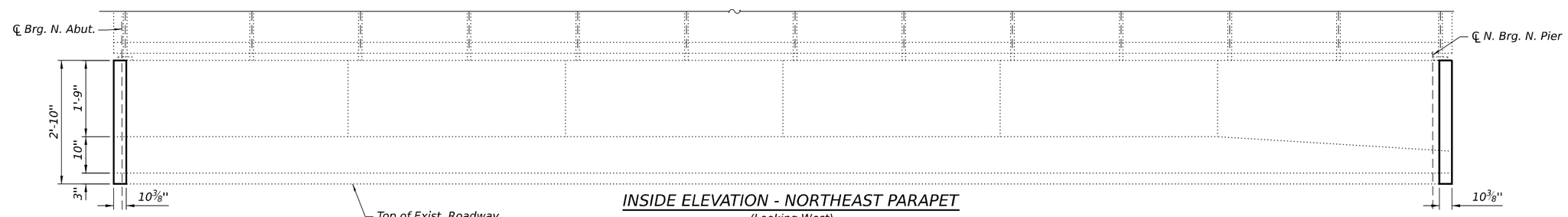
INSIDE ELEVATION - SOUTHEAST PARAPET

(Looking East)



INSIDE ELEVATION - NORTHWEST PARAPET

(Looking West)



INSIDE ELEVATION - NORTHEAST PARAPET

(Looking West)

NOTES:

1. Quantities and limits shown are estimate for bidding purpose only. The actual areas to be repaired, and type(s) of repair to be used will be determined by the engineer in the field at the time of inspection.

2. For Parapet Railing details, see Sheet S-18.

BILL OF MATERIAL

Item	Unit	Quantity
Parapet Railing	Foot	16
Structural Repair Of Concrete (Depth Equal To Or Less Than 5 Inches)	Sq Ft	17
Structural Repair Of Concrete (Depth Greater Than 5 Inches)	Sq Ft	3

LEGEND:

	Structural Repair of Concrete (Depth Equal to or Less than 5 inches)
	Structural Repair of Concrete (Depth Greater Than 5 inches)
SF	Square Foot
LF	Linear Foot

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

USER NAME =	DESIGNED -	SIK	REVISED -		
	CHECKED -	BWS	REVISED -		
PLOT SCALE =	DRAWN -	SIK	REVISED -		
PLOT DATE =	CHECKED -	BWS	REVISED -		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PARAPET AND RAILING REPAIRS
STRUCTURE NO. 016–0193

SHEET S-08 OF S-33 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3730	(K-B-2) BR24	COOK	66	34
		CONTRACT NO. 62X02		
	ILLINOIS	FED. AID PROJECT		

MODEL: SMODELNAMES
FILE NAME: pw://ciorba-pw.bentley.com:ciorba-pw-01/Documents/Projects/IL_DOT/D1/0021693.09/CADD/Sht/Structural/0160193-62X02-08-Parapet Repairs.dgn

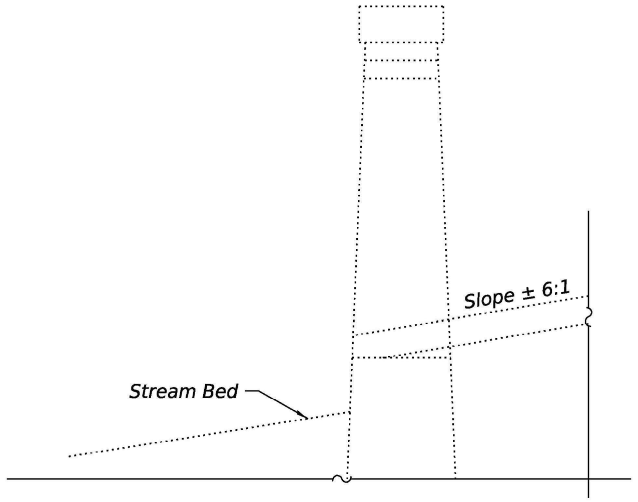
3/14/2025 12:25:50 PM

NOTES:

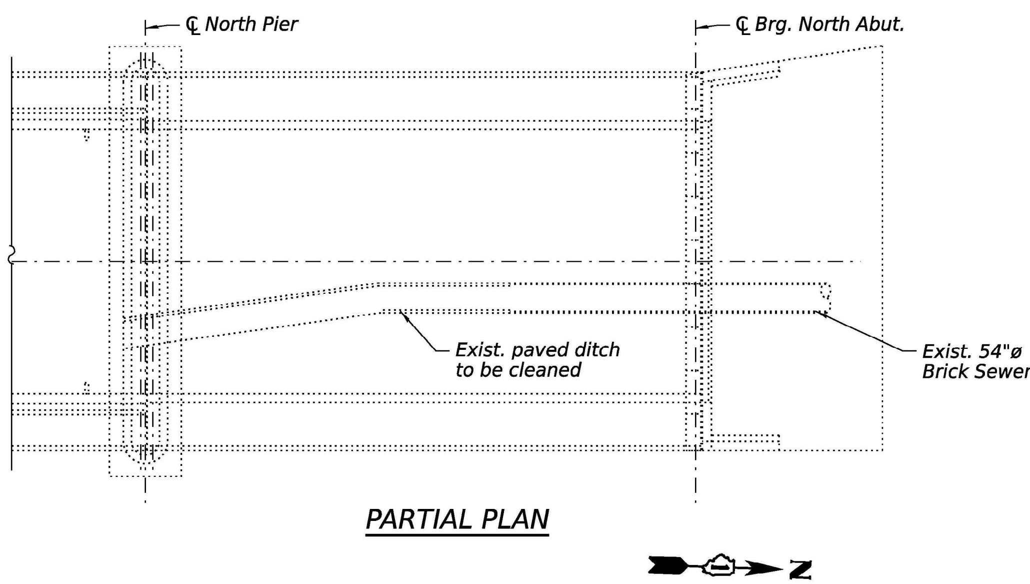
1. Cost of cleaning of existing paved ditch is included in Cleaning Drainage System.

BILL OF MATERIAL

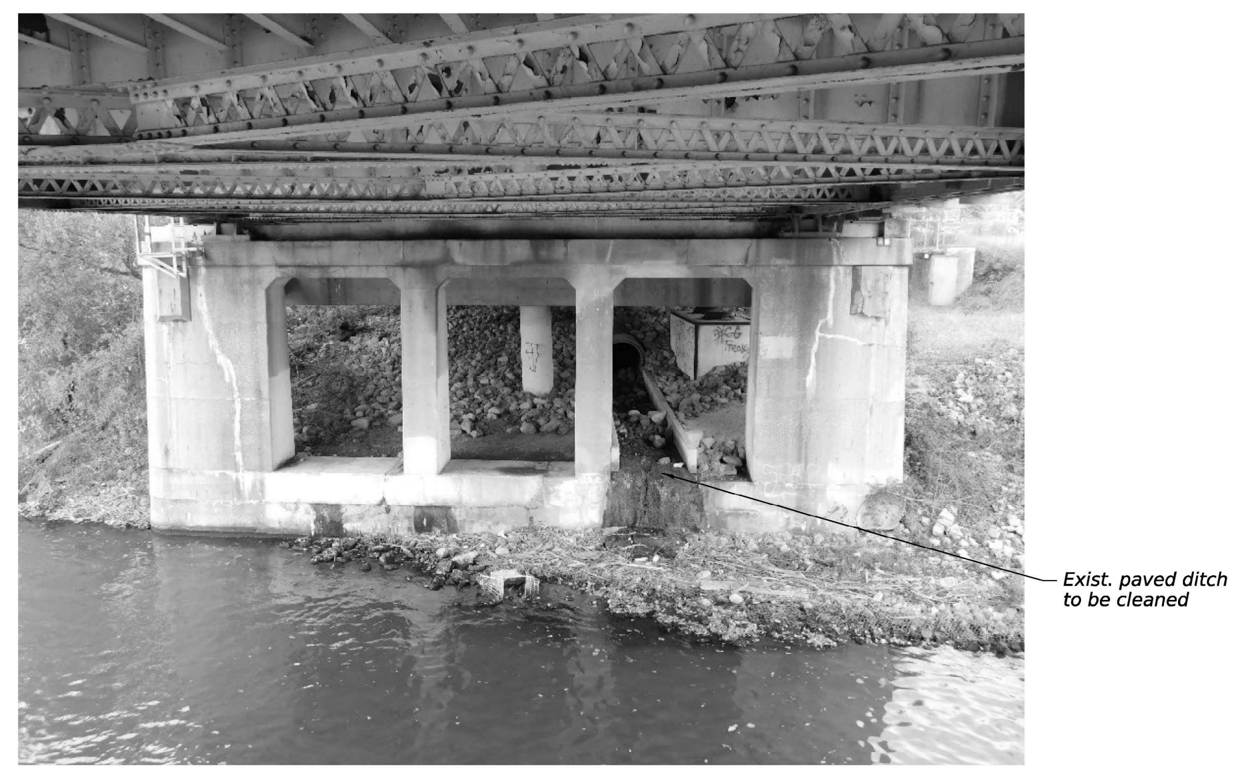
Item	Unit	Quantity
Cleaning Drainage System	L Sum	1



NORTH PIER SECTION
(At Existing paved ditch)
(Looking West)



PARTIAL PLAN



NORTH PIER
(Looking North)

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

USER NAME =	DESIGNED -	SIK	REVISED -	
	CHECKED -	BWS	REVISED -	
PLOT SCALE =	DRAWN -	SIK	REVISED -	
PLOT DATE =	CHECKED -	BWS	REVISED -	

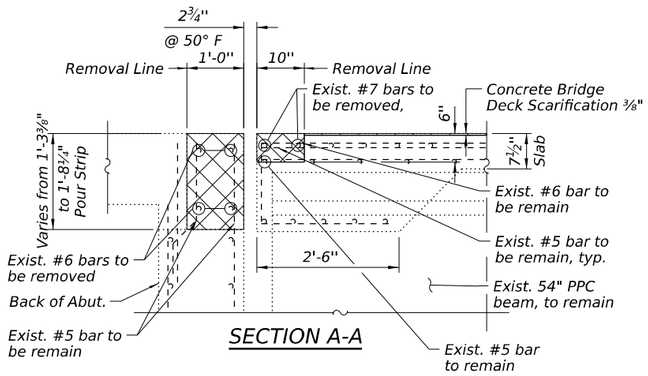
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE REPAIR PLAN
STRUCTURE NO. 016–0193

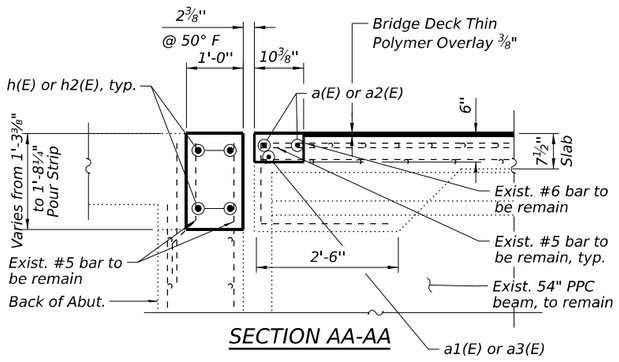
SHEET S-09 OF S-33 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3730	(K-B-2) BR24	COOK	66	35
		CONTRACT NO. 62X02		
	ILLINOIS	FED. AID PROJECT		

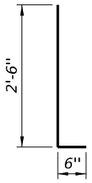
3/14/2025 12:25:57 PM



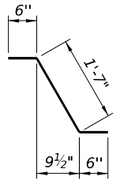
SECTION A-A



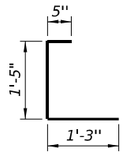
SECTION AA-AA



BARS d(E) and d2(E)



BAR d1(E)



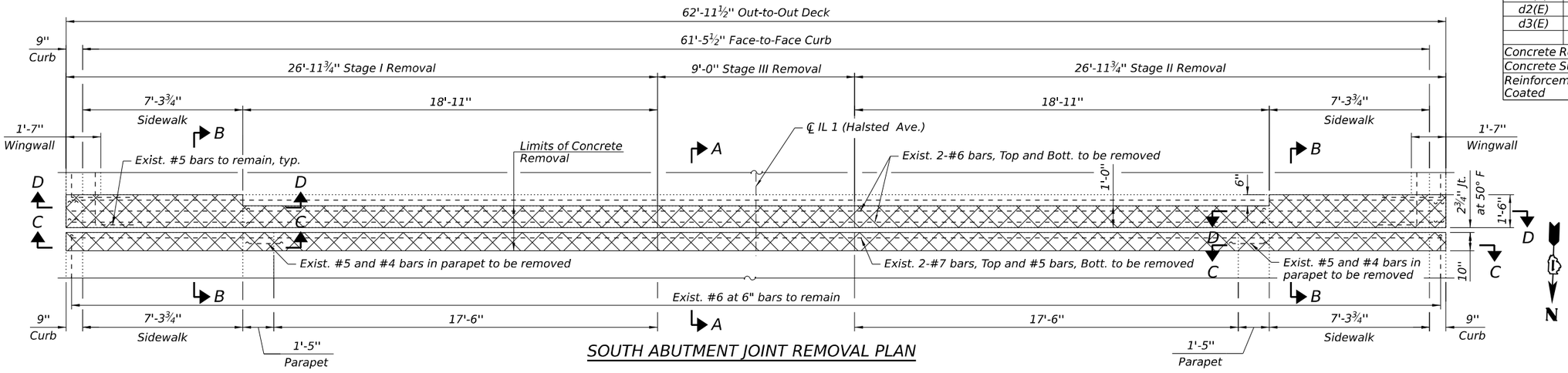
BAR d3(E)

NOTES:

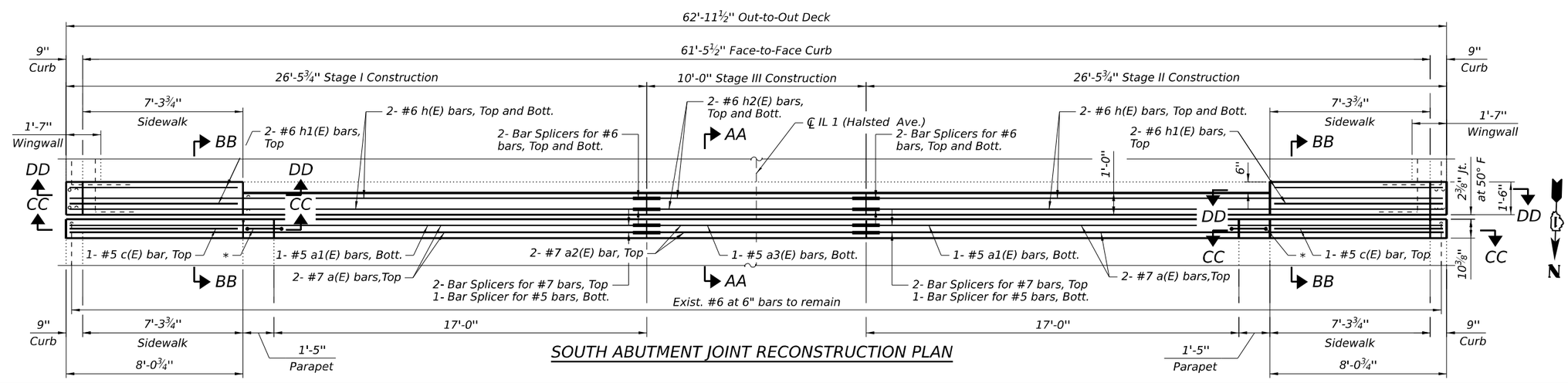
1. For Sections B-B and BB-BB, see Sheet S-13.
2. For Notes, Sections C-C, D-D, CC-CC, and DD-DD, see Sheet S-14.
3. For preformed joint strip seal, see sheets S-15 thru S-17.

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a(E)	4	#7	26'-2"	
a1(E)	2	#5	26'-2"	
a2(E)	2	#7	9'-9"	
a3(E)	1	#5	9'-9"	
c(E)	2	#5	7'-9"	
h(E)	8	#6	26'-2"	
h1(E)	4	#6	7'-9"	
h2(E)	4	#6	9'-9"	
d(E)	2	#5	3'-0"	
d1(E)	2	#5	2'-7"	
d2(E)	2	#4	3'-0"	
d3(E)	2	#4	3'-1"	
Concrete Removal			Cu Yd	6.8
Concrete Superstructure			Cu Yd	6.8
Reinforcement Bars, Epoxy Coated			Pound	780



SOUTH ABUTMENT JOINT REMOVAL PLAN



SOUTH ABUTMENT JOINT RECONSTRUCTION PLAN

* 1- #5 d(E) bar and 1- #5 d1(E) bar, Inside Face parapet
1- #4 d2(E) bar and 1- #4 d3(E) bar, Outside Face parapet
See Section CC-CC on Sheet S-14

LEGEND

Concrete Removal

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

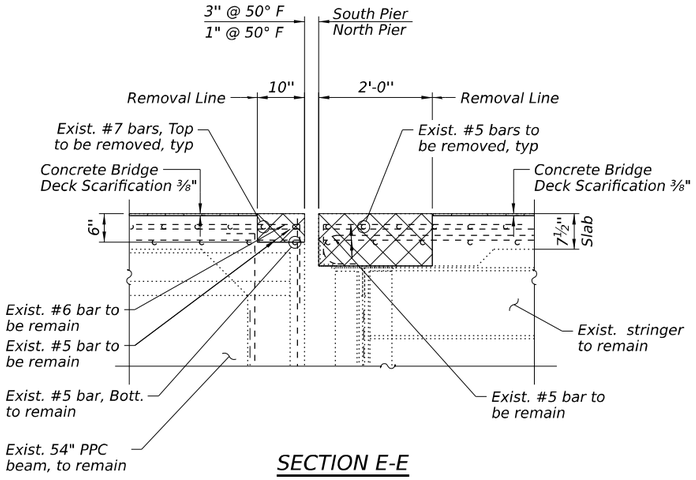
USER NAME =	DESIGNED - SIK	REVISED -	
	CHECKED - BWS	REVISED -	
PLOT SCALE =	DRAWN - SIK	REVISED -	
PLOT DATE =	CHECKED - BWS	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

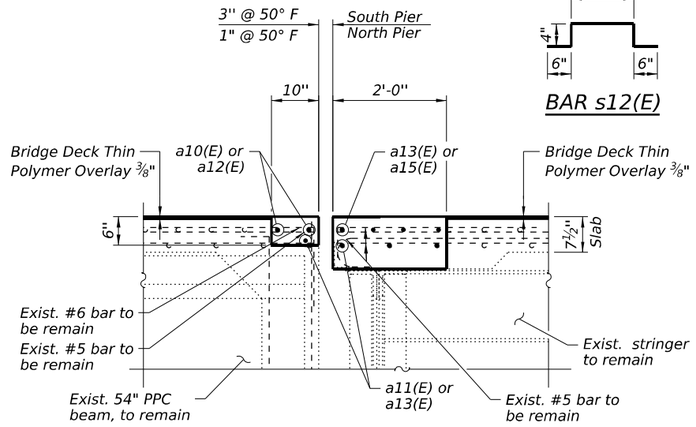
SOUTH ABUTMENT JOINT REMOVAL AND RECONSTRUCTION
STRUCTURE NO. 016–0193
SHEET S-10 OF S-33 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3730	(K-B-2) BR24	COOK	66	36
		CONTRACT NO. 62X02		
	ILLINOIS FED. AID PROJECT			

MODEL: $MODELNAMES
FILE NAME: pw://ciorba-pw.bentley.com:ciorba-pw-01/Documents/Projects/IL_DOT/D1/0021693.09/CADD/Str/Structural/0160193-62X02-10-SouthAbutExpJt.dgn
5/8/2025 12:21:44 PM

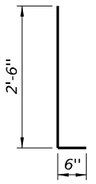


SECTION E-E

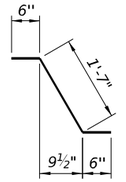


SECTION EE-EE

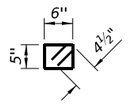
BAR s12(E)



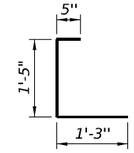
BARS d10(E) and d12(E)



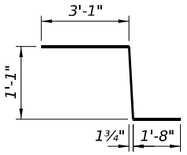
BAR d11(E)



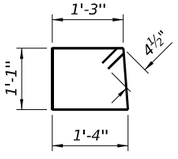
BAR s10(E)



BAR d13(E)



BAR d14(E)



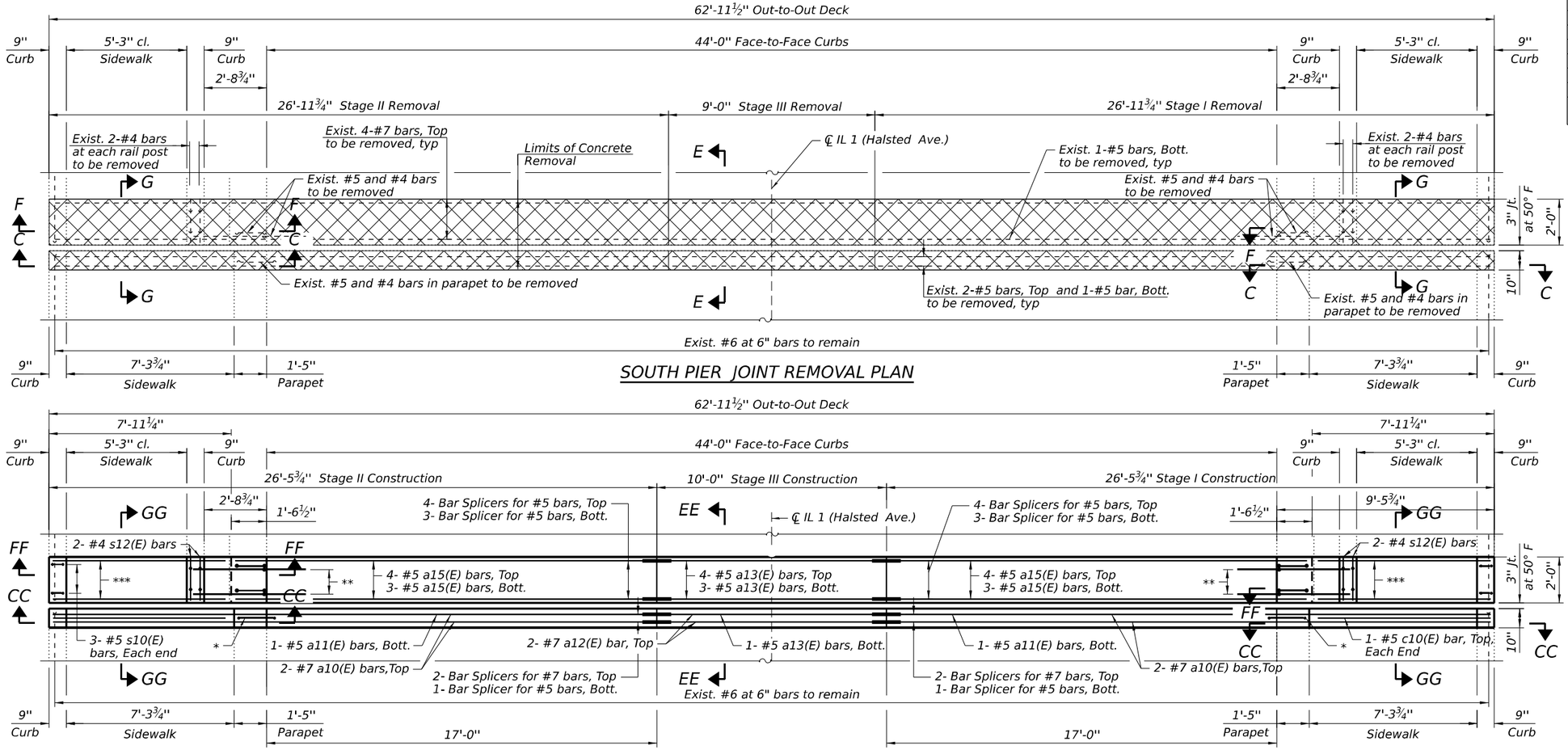
BAR s11(E)

NOTES:

1. For Sections G-G and GG-GG, see Sheet S-12.
2. For Notes, Sections C-C, F-F, CC-CC, and FF-FF, see Sheet S-14.
3. For preformed joint strip seal, see sheets S-15 thru S-17.

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a10(E)	4	#7	18'-1"	
a11(E)	2	#5	18'-1"	
a12(E)	2	#7	9'-9"	
a13(E)	8	#5	9'-9"	
a14(E)	8	#5	7'-7"	
a15(E)	14	#5	18'-3"	
c10(E)	2	#5	7'-9"	
d10(E)	2	#5	3'-0"	
d11(E)	2	#5	2'-7"	
d12(E)	2	#4	3'-0"	
d13(E)	2	#4	3'-1"	
d14(E)	6	#5	5'-10"	
s10(E)	6	#4	2'-7"	
s11(E)	6	#4	5'-6"	
s12(E)	4	#4	2'-7"	
Concrete Removal			Cu Yd	4.8
Concrete Superstructure			Cu Yd	4.8
Reinforcement Bars, Epoxy Coated			Pound	750



SOUTH PIER JOINT REMOVAL PLAN

SOUTH PIER JOINT RECONSTRUCTION PLAN

* 1- #5 d10(E) bar and 1- #5 d11(E) bar, Inside Face parapet
1- #4 d12(E) bar and 1- #4 d13(E) bar, Outside Face parapet
See Section CC-CC on Sheet S-14

** 3- #5 d14(E) bar and 3- #4 s11(E) bar, See Section FF-FF on Sheet S-14

*** 4- #5 a14(E) bar at 12" cts.

LEGEND

Concrete Removal

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

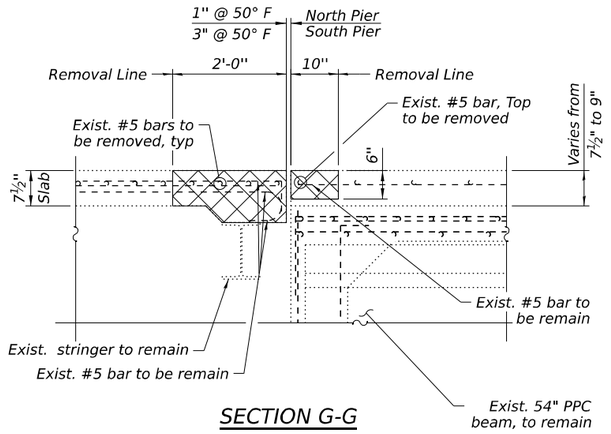
USER NAME =	DESIGNED - SIK	REVISED -	
	CHECKED - BWS	REVISED -	
PLOT SCALE =	DRAWN - SIK	REVISED -	
PLOT DATE =	CHECKED - BWS	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

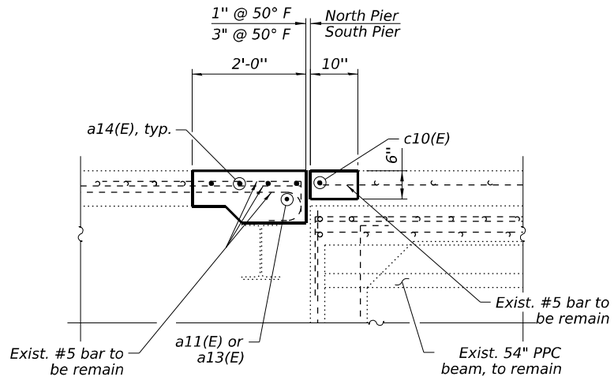
SOUTH PIER JOINT REMOVAL AND RECONSTRUCTION
STRUCTURE NO. 016-0193
SHEET S-11 OF S-33 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3730	(K-B-2) BR24	COOK	66	37
		CONTRACT NO. 62X02		
	ILLINOIS	FED. AID PROJECT		

MODEL: SMODELNAMES
FILE NAME: pw://ciorba-pw.bentley.com:ciorba-pw-01/Documents/Projects/IL_DOT/D1/0021693.09/CADD/Sht/Structural/016193-62X02-11-SouthPierExpJt.dgn
5/8/2025 12:21:51 PM



SECTION G-G



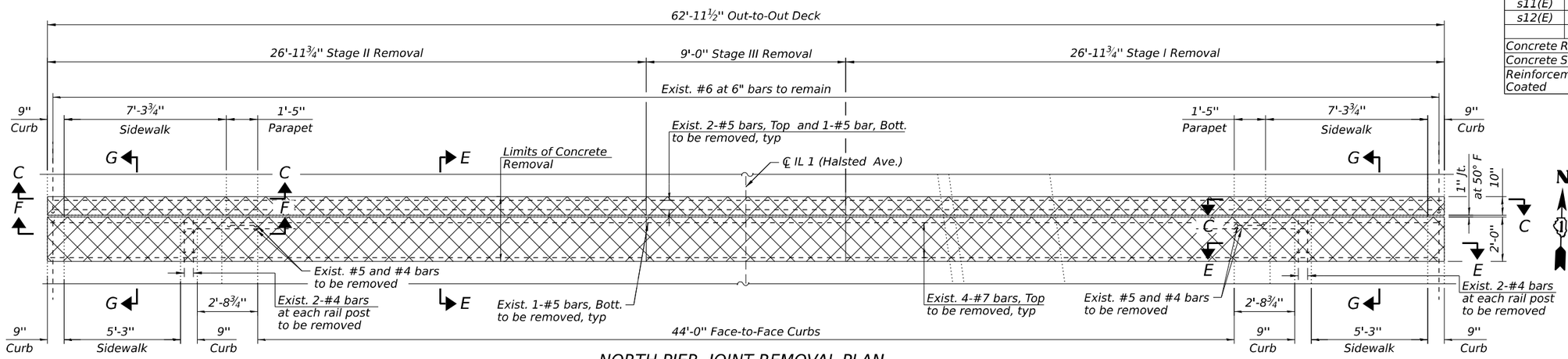
SECTION GG-GG

NOTES:

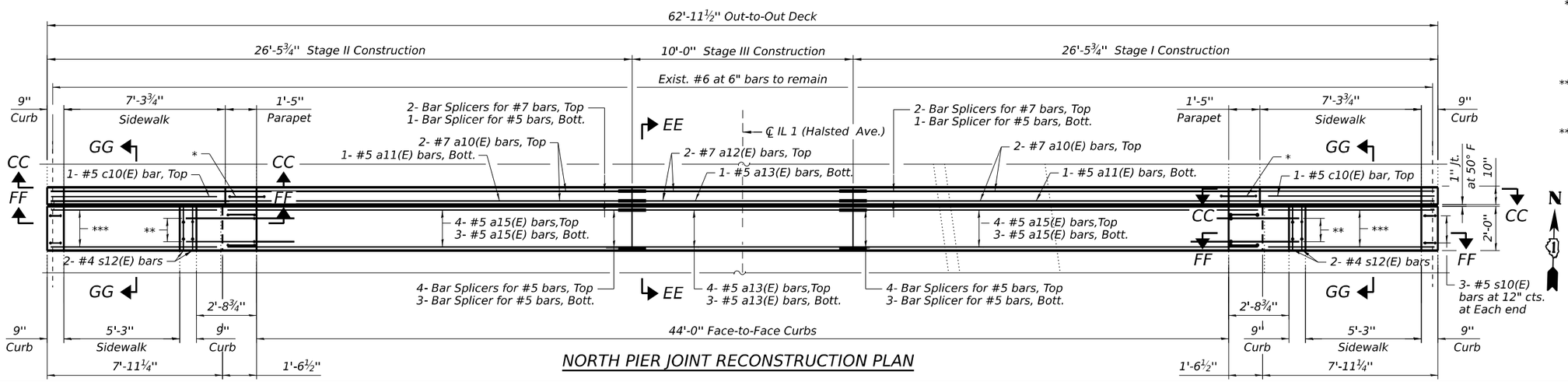
1. For reinforcement bend diagrams, see Sheet S-11.
2. For Notes, Sections C-C, F-F, CC-CC, and FF-FF, see Sheet S-14.
3. For preformed joint strip seal, see sheets S-15 thru S-17.

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a10(E)	4	#7	18'-1"	
a11(E)	2	#5	18'-1"	
a12(E)	2	#7	9'-9"	
a13(E)	8	#5	9'-9"	
a14(E)	8	#5	7'-7"	
a15(E)	14	#5	18'-3"	
c10(E)	2	#5	7'-9"	
d10(E)	2	#5	3'-0"	
d11(E)	2	#5	2'-7"	
d12(E)	2	#4	3'-0"	
d13(E)	2	#4	3'-1"	
d14(E)	6	#5	5'-10"	
s10(E)	6	#4	2'-7"	
s11(E)	6	#4	5'-6"	
s12(E)	4	#4	2'-1"	
Concrete Removal			Cu Yd	4.8
Concrete Superstructure			Cu Yd	4.8
Reinforcement Bars, Epoxy Coated			Pound	750



NORTH PIER JOINT REMOVAL PLAN



NORTH PIER JOINT RECONSTRUCTION PLAN

* 1- #5 d10(E) bar and 1- #5 d11(E) bar, Inside Face parapet
1- #4 d12(E) bar and 1- #4 d13(E) bar, Outside Face parapet
See Section CC-CC on Sheet S-14

** 3- #5 d14(E) bar and 3- #4 s11(E) bar, See Section FF-FF on Sheet S-14

*** 4- #5 a14(E) bars,Top

LEGEND

Concrete Removal

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

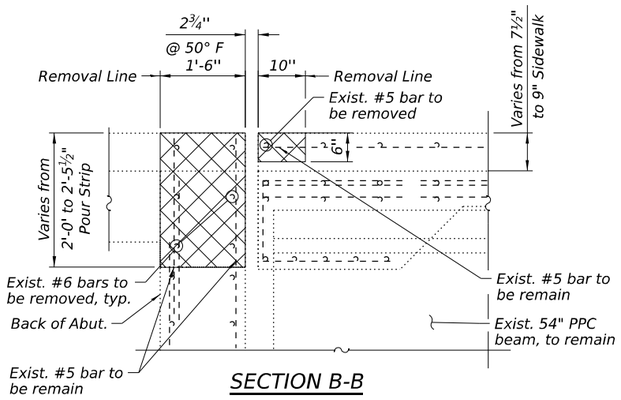
USER NAME =	DESIGNED - SIK	REVISED -	
	CHECKED - BWS	REVISED -	
PLOT SCALE =	DRAWN - SIK	REVISED -	
PLOT DATE =	CHECKED - BWS	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

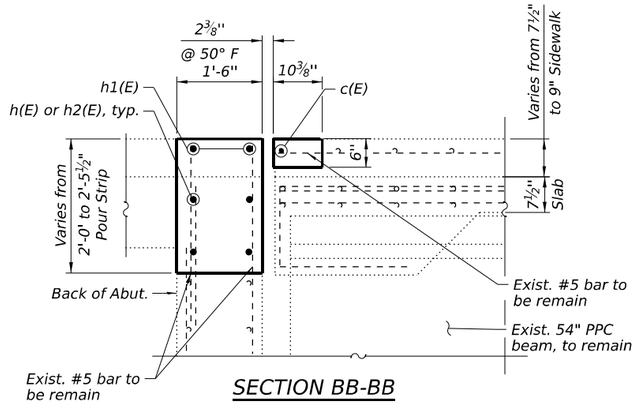
NORTH PIER JOINT REMOVAL AND RECONSTRUCTION
STRUCTURE NO. 016-0193
SHEET S-12 OF S-33 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3730	(K-B-2) BR24	COOK	66	38
		CONTRACT NO. 62X02		
	ILLINOIS	FED. AID PROJECT		

MODEL: sMODELNAMES
FILE NAME: pw://ciorba-pw.bentley.com:ciorba-pw-01/Documents/Projects/IL_DOT/D1/0021693.09/CADD/Str/Structural/0160193-62X02-12-NorthPierExpJt.dgn
5/8/2025 12:50:19 PM



SECTION B-B



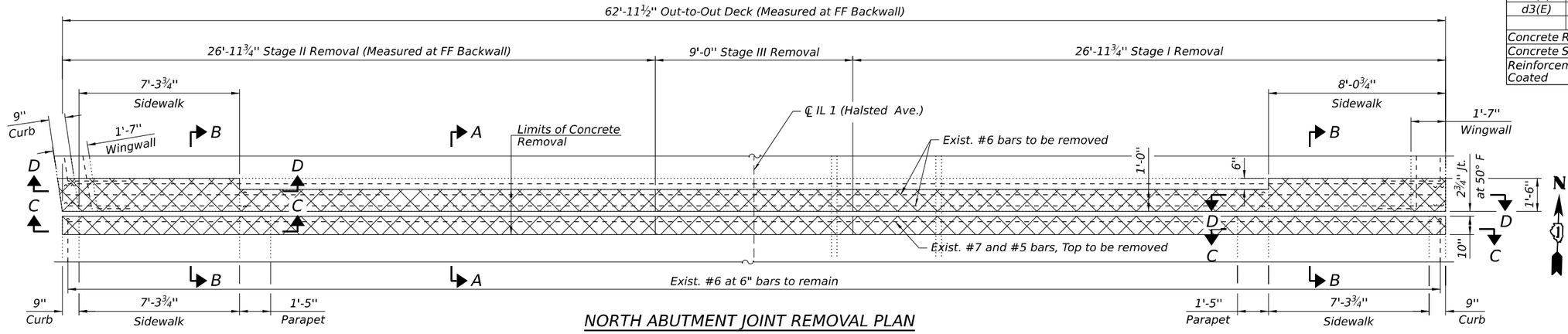
SECTION BB-BB

NOTES:

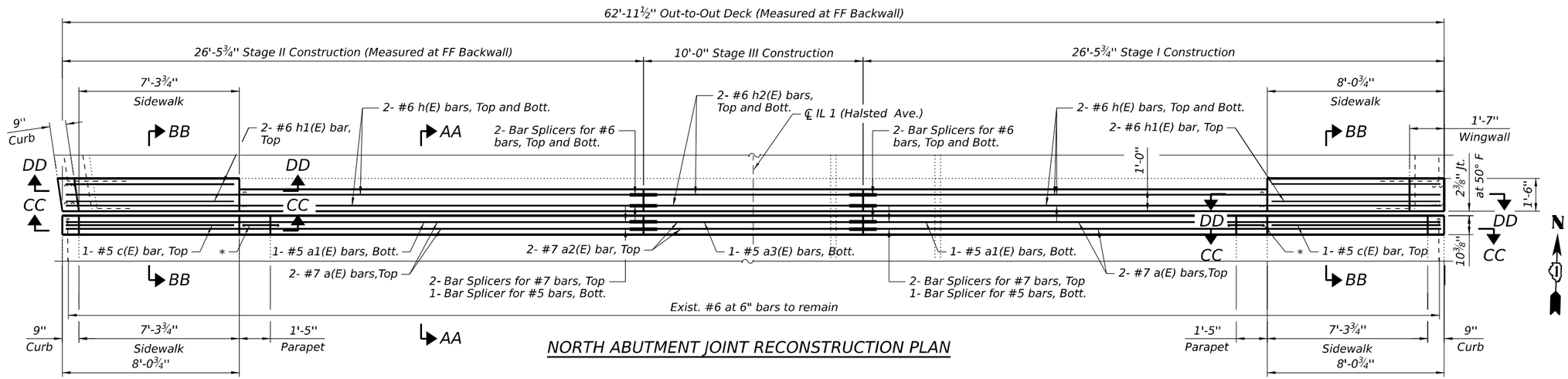
1. For Sections A-A and AA-AA and reinforcement bend diagrams, see Sheet S-10.
2. For Notes, Sections C-C, D-D, CC-CC, and DD-DD, see Sheet S-14.
3. For preformed joint strip seal, see sheets S-15 thru S-17.

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a(E)	4	#7	26'-2"	
a1(E)	2	#5	26'-2"	
a2(E)	2	#7	9'-9"	
a3(E)	1	#5	9'-9"	
c(E)	2	#5	7'-9"	
h(E)	8	#6	26'-2"	
h1(E)	4	#6	7'-9"	
h2(E)	4	#6	9'-9"	
d(E)	2	#5	3'-0"	
d1(E)	2	#5	2'-7"	
d2(E)	2	#4	3'-0"	
d3(E)	2	#4	3'-1"	
Concrete Removal			Cu Yd	6.8
Concrete Superstructure			Cu Yd	6.8
Reinforcement Bars, Epoxy Coated			Pound	780



NORTH ABUTMENT JOINT REMOVAL PLAN



NORTH ABUTMENT JOINT RECONSTRUCTION PLAN

* 1- #5 d(E) bar and 1- #5 d1(E) bar, Inside Face parapet
1- #4 d2(E) bar and 1- #4 d3(E) bar, Outside Face parapet
See Section CC-CC on Sheet S-14

LEGEND

Concrete Removal

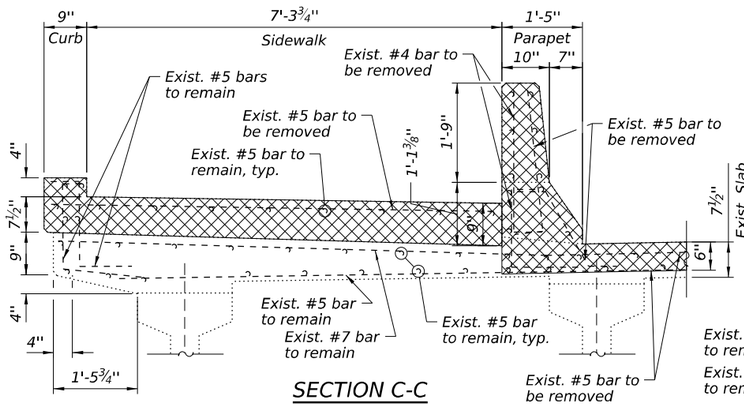
CiorbaGroup
8725 W. Higgins Rd, Ste 600, Chicago, IL 60631
P 773.775.4009 | www.ciorba.com

USER NAME =	DESIGNED - SIK	REVISED -	
	CHECKED - BWS	REVISED -	
PLOT SCALE =	DRAWN - SIK	REVISED -	
PLOT DATE =	CHECKED - BWS	REVISED -	

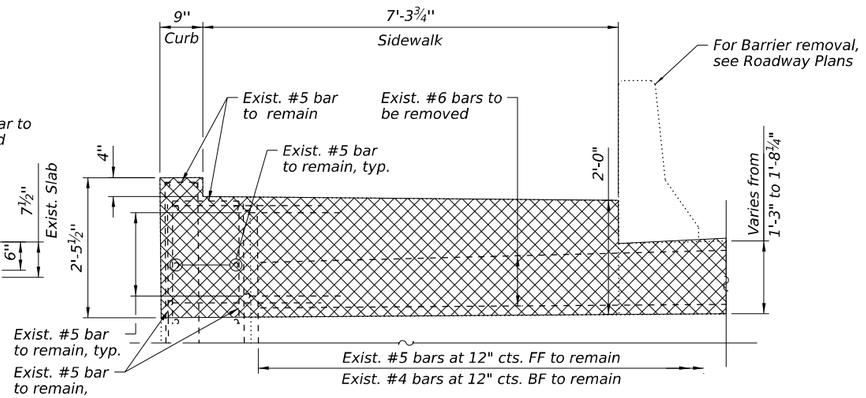
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

NORTH ABUTMENT JOINT REMOVAL AND RECONSTRUCTION
STRUCTURE NO. 016–0193
SHEET S-13 OF S-33 SHEETS

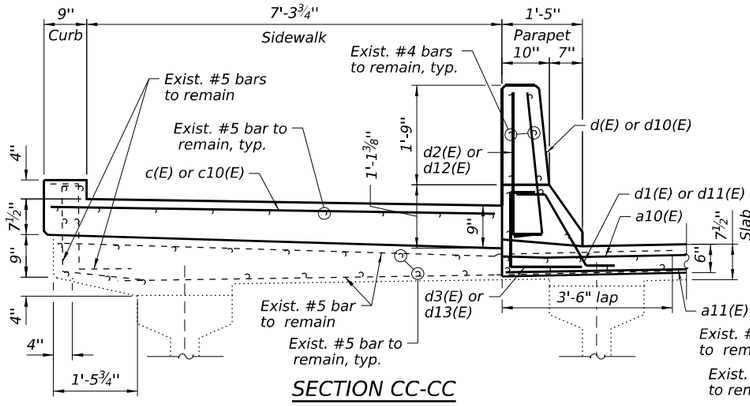
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3730	(K-B-2) BR24	COOK	66	39
		CONTRACT NO. 62X02		
	ILLINOIS FED. AID PROJECT			



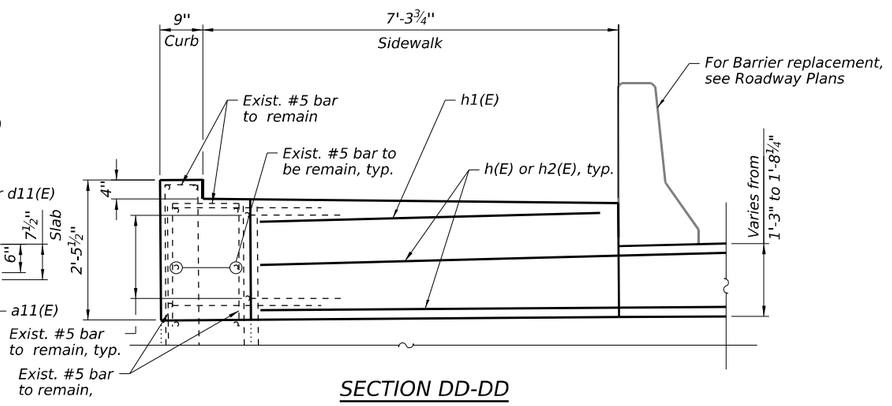
SECTION C-C



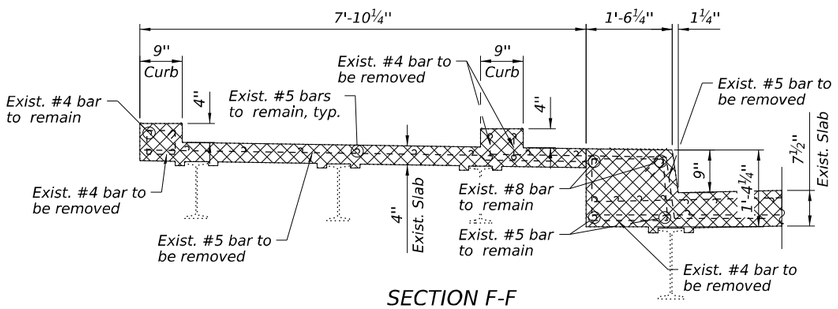
SECTION D-D



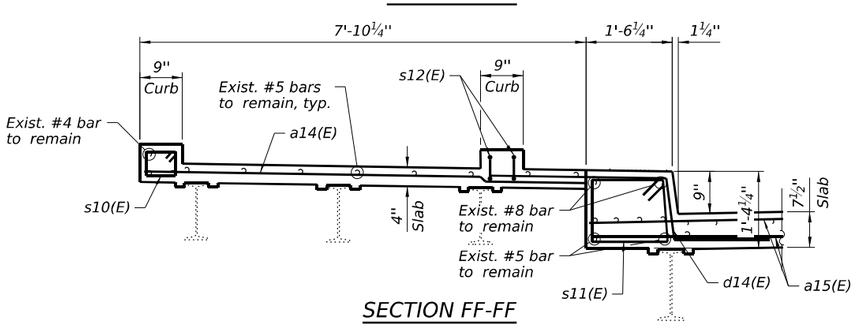
SECTION CC-CC



SECTION DD-DD



SECTION F-F



SECTION FF-FF

NOTES:

1. Work this sheet with sheets S-10, S-11, S-12, and S-13.
2. For bar bending diagrams and Bill of Material tables, see Sheets S-10 to S-13.
3. For preformed joint strip seal details, see Sheets S-15 to S-17.
4. For bar splicer assembly details, see Sheet S-33.
5. Existing reinforcement bars extending into the removal area shall be cleaned, straightened and incorporated into the new construction. Any reinforcement bars that are damaged during concrete removal shall be replaced with an approved bar splicer or anchorage system. Cost included with Concrete Removal.
6. The Contractor shall exercise extreme caution during Concrete Removal to avoid damaging the existing PPC, steel beams, and diaphragms to remain. Any damage to the existing beams and/or diaphragms to remain caused by the Contractor in the performance of his/her work shall be repaired by the Contractor, to the satisfaction of the Engineer, at no Cost to the Department.
7. Primeter of concrete removal areas shall be saw cut ¾" prior to removal of the concrete.
8. Removal of Existing Expansion Joint will not be paid for separately but will be included in the cost of Concrete Removal.

LEGEND

	Concrete Removal
FF	Front Face
BF	Back Face

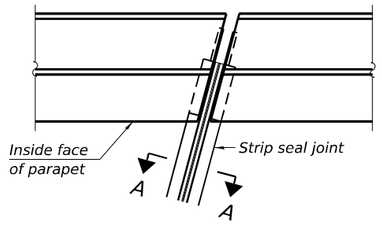
CiorbaGroup
8725 W. Higgins Rd, Ste 600, Chicago, IL 60631
P 773.775.4009 | www.ciorba.com

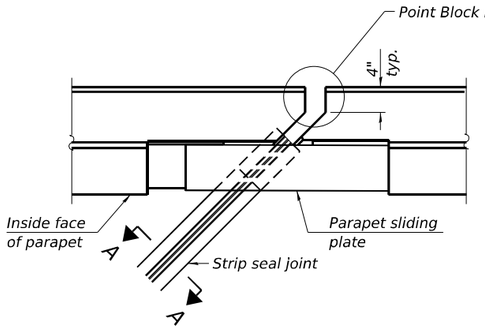
USER NAME =	DESIGNED - SIK	REVISED -	
	CHECKED - BWS	REVISED -	
PLOT SCALE =	DRAWN - SIK	REVISED -	
PLOT DATE =	CHECKED - BWS	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

JOINTS REMOVAL AND RECONSTRUCTION DETAILS
STRUCTURE NO. 016–0193
SHEET S-14 OF S-33 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3730	(K-B-2) BR24	COOK	66	40
		CONTRACT NO. 62X02		
	ILLINOIS	FED. AID PROJECT		

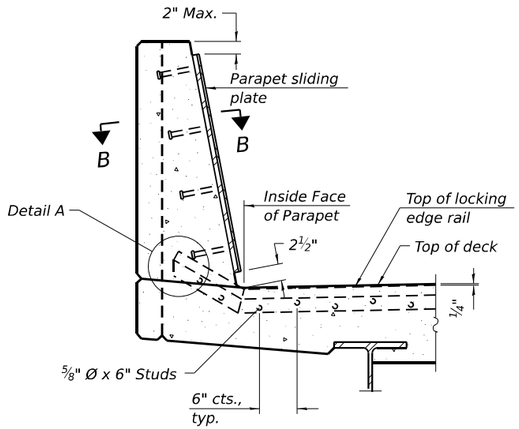




FOR SKEWS ≤ 30°

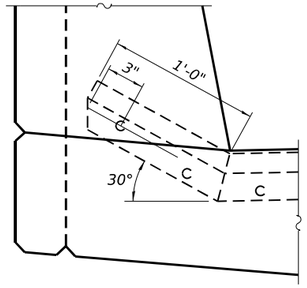
FOR SKEWS > 30°

PLAN AT PARAPET

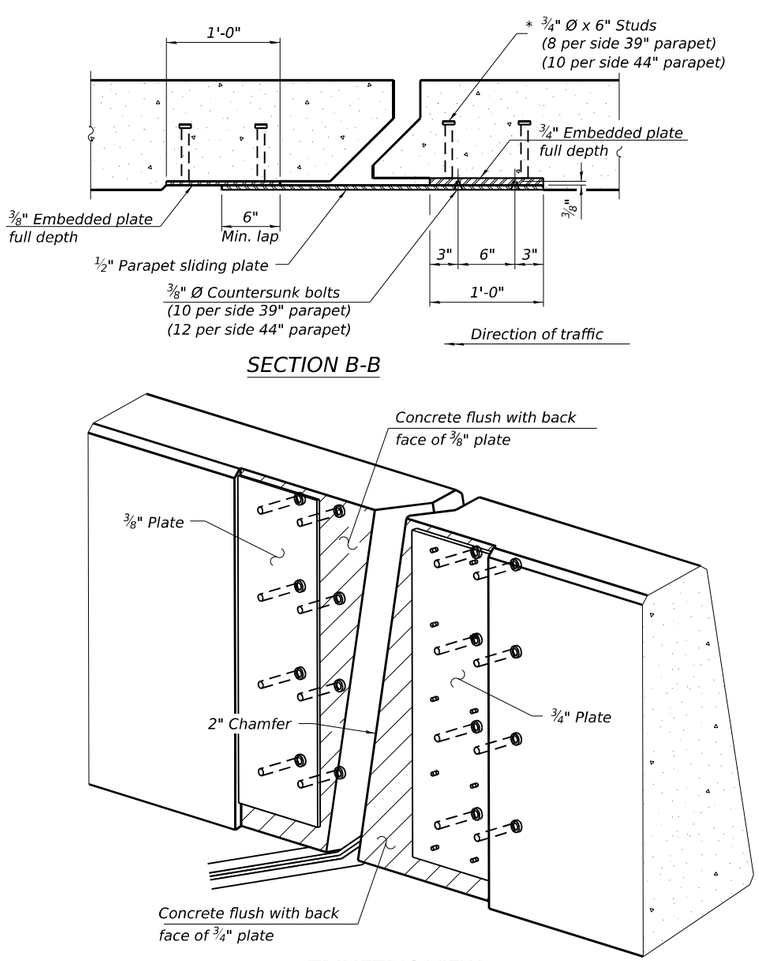


SECTION AT PARAPET

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



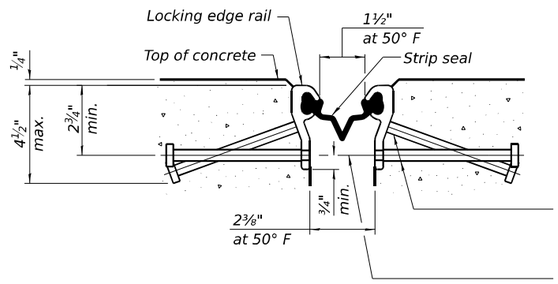
DETAIL A



SECTION B-B

TRIMETRIC VIEW

(Showing embedded plates only)



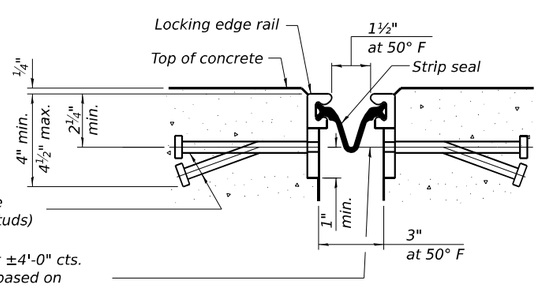
SHOWING ROLLED RAIL JOINT

* ⅝" Ø x 6" studs @ 6" cts. (alternate angled/bent studs with horizontal studs)

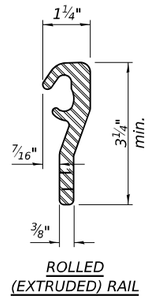
⅜" Ø threaded rods in 7/16" Ø holes at ±4'-0" cts. for holding the proper joint opening based on the temperature during the deck pour. Place to miss studs. All rods shall be burned, or sawed off flush with the plates after concrete is set.

SECTION A-A

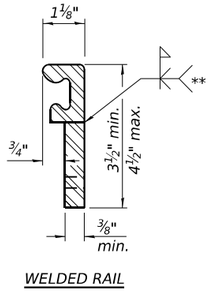
* Granular or solid flux filled headed studs conforming to Article 1006.32 of the Std. Specs., automatically end welded.



SHOWING WELDED RAIL JOINT



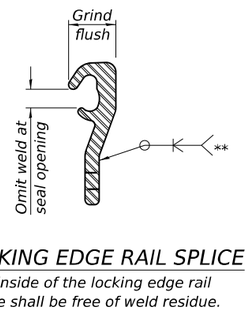
ROLLED (EXTRUDED) RAIL



WELDED RAIL

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.

Notes:

The strip seal shall be made continuous and shall have a minimum thickness of ¼". The configuration of the strip seal shall match the configuration of the locking edge rails. Open or "webbed" strip seal gland configurations are not permitted. The gland shall be sized for a maximum rated movement of 4 inches.

The locking edge rails depicted are configured for typical applications and are conceptual only. The actual configuration of the locking edge rails and matching strip seal may vary from manufacturer to manufacturer provided they fit the application and meet the minimum anchorage shown. Flanged edge rails, however, will not be allowed. Locking edge rails may exceed the 4½" maximum depth provided the anchorage system is revised according to the manufacturer's recommendation.

The manufacturer's recommended installation methods shall be followed.

All steel components shall be galvanized after fabrication according to Article 520.03 of the Standard Specifications.

The Maximum space between locking edge rail segments shall be 3/16" and sealed with a suitable sealant; however, any rail joint within 10' measured perpendicular to the face of the curb or parapet shall be welded as shown in the locking edge rail splice detail.

The top surface of sidewalk sliding plates shall have a raised pattern according to ASTM A786.

Cost of parapet sliding plates, sidewalk sliding plates, embedded plates, anchorage studs, and expansion anchors included with Preformed Joint Strip Seal.

39" constant slope barrier shown, 44" constant slope barrier similar as noted.

The concrete opening below the strip seal will vary based on the locking edge rail chosen by the Contractor. Deck and parapet lengths shown elsewhere in the plans are dimensioned to the concrete opening, not the joint opening, and are based on the rolled locking edge rail. If the Contractor elects to use a different locking edge rail, dimensional adjustments may be required. One exception to this would be the strip seal joint at the end of the precast bridge approach slab. For these cases the pavement connector length shall be adjusted, not the length of the bridge approach slab.

BILL OF MATERIAL

Item	Unit	Total
Preformed Joint Strip Seal	Foot	256

EJ-SS-S

5-15-2023

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

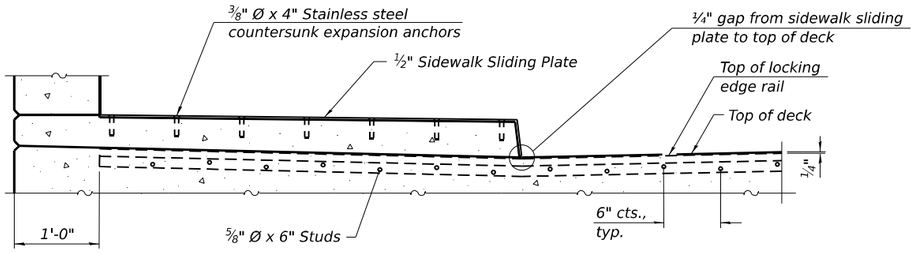
USER NAME =		DESIGNED -	SIK	REVISED -	
		CHECKED -	BWS	REVISED -	
PLOT SCALE =		DRAWN -	SIK	REVISED -	
PLOT DATE =		CHECKED -	BWS	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

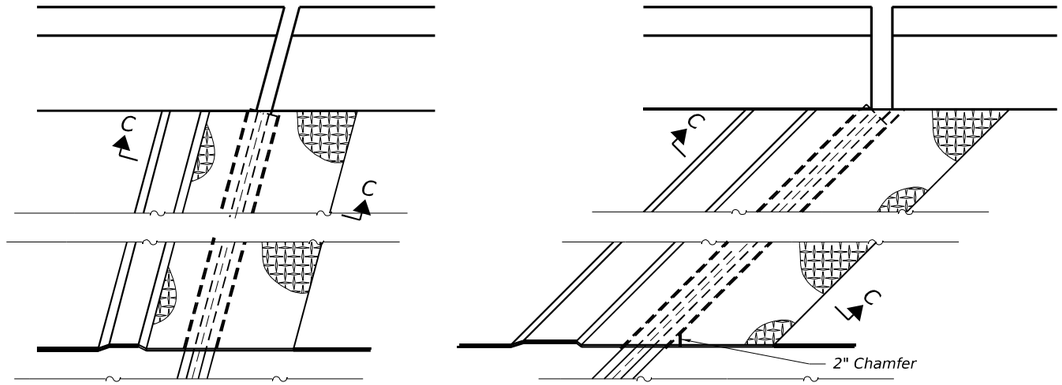
PREFORMED JOINT STRIP SEAL – SIDEWALK
STRUCTURE NO. 016–0193

SHEET S-15 OF S-33 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3730	(K-B-2) BR24	COOK	66	41
		CONTRACT NO. 62X02		
	ILLINOIS	FED. AID PROJECT		



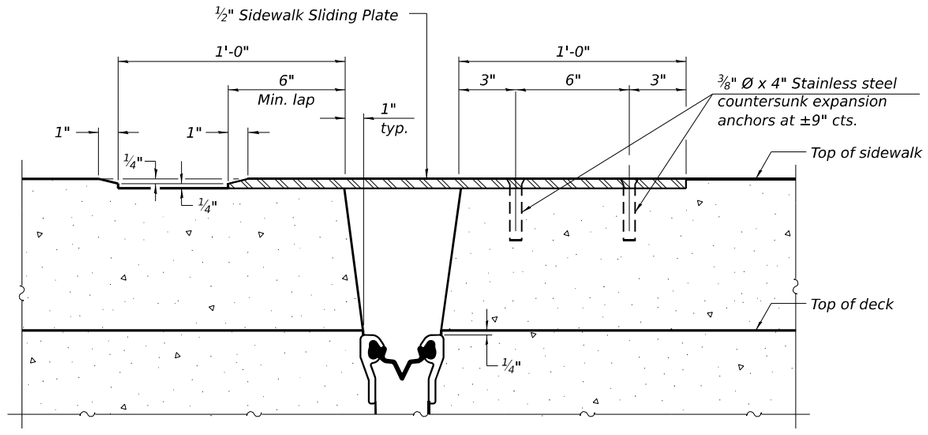
SECTION AT RAISED SIDEWALK



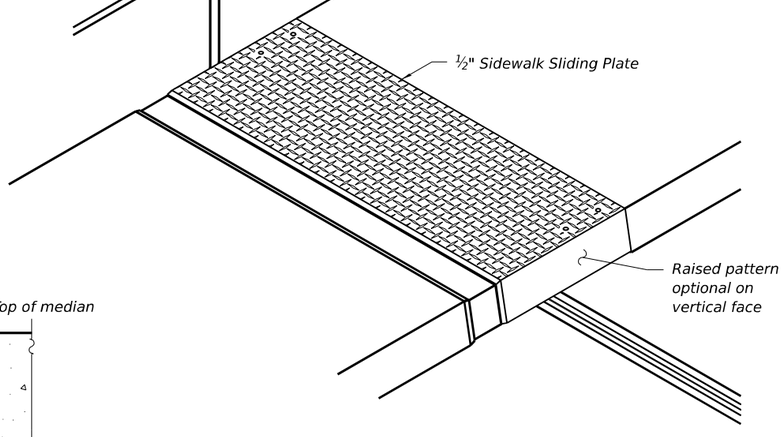
(FOR SKEWS ≤ 30°)

(FOR SKEWS > 30°)

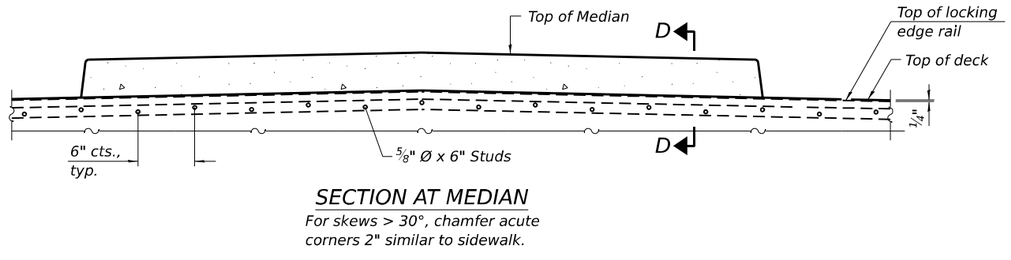
PLAN AT RAISED SIDEWALK



SECTION C-C

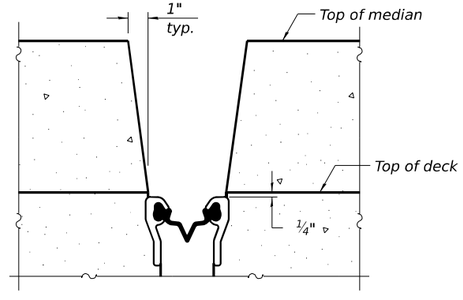


TRIMETRIC VIEW



SECTION AT MEDIAN

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



SECTION D-D

(at Rt. ∠'s)

EJ-SS-S 5-15-2023

(Sheet 2 of 3)

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

USER NAME =	DESIGNED - SIK	REVISED -	
	CHECKED - BWS	REVISED -	
PLOT SCALE =	DRAWN - SIK	REVISED -	
PLOT DATE =	CHECKED - BWS	REVISED -	

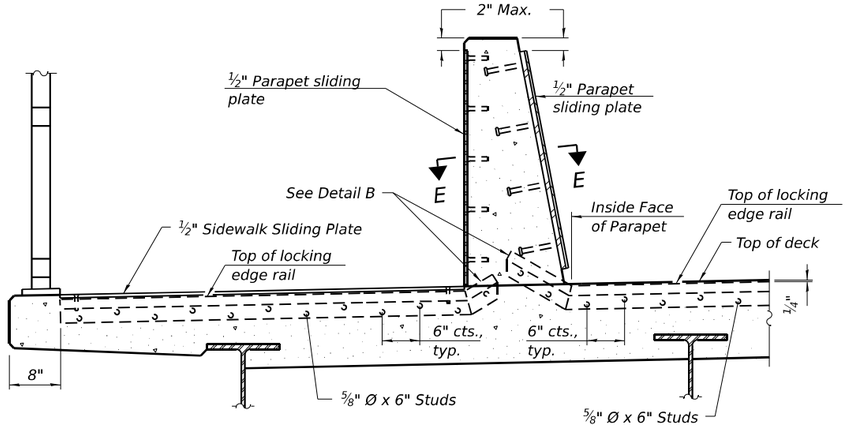
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PREFORMED JOINT STRIP SEAL - SIDEWALK
STRUCTURE NO. 016–0193
SHEET S-16 OF S-33 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3730	(K-B-2) BR24	COOK	66	42
		CONTRACT NO. 62X02		
	ILLINOIS	FED. AID PROJECT		

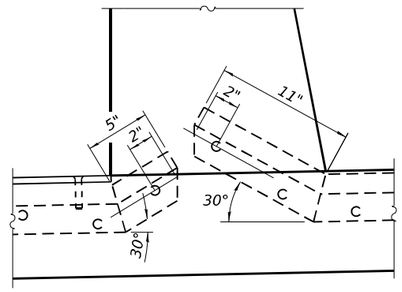
MODEL: sMODELNAMES
FILE NAME: pw://ciorba-pw.bentley.com:ciorba-pw-01/Documents/Projects/IL_DOT/D1/0021693.09/CADD/Shr/Structural/0160193-62X02-16-Preformed Joint Strip 2.dgn

3/14/2025 12:26:53 PM

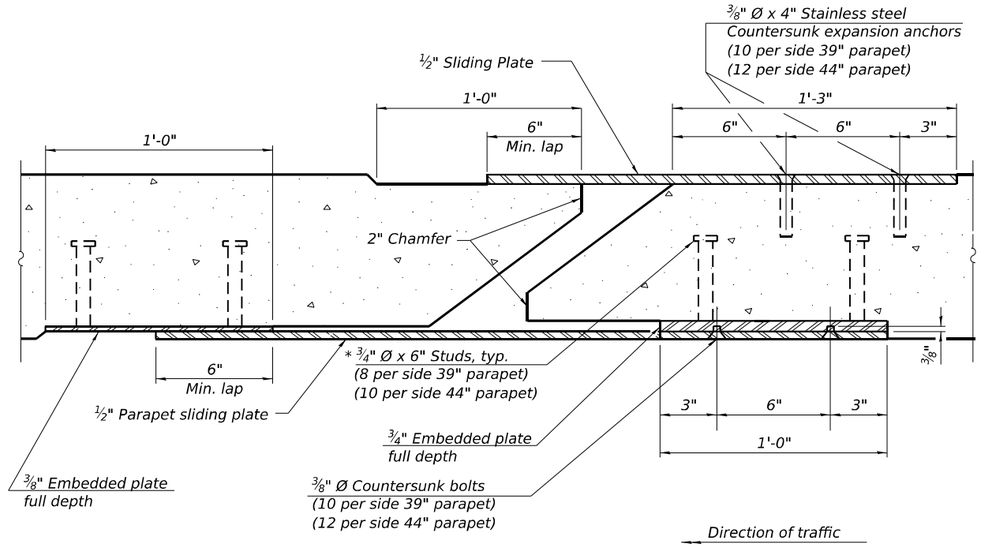


SECTION AT DECK LEVEL SIDEWALK

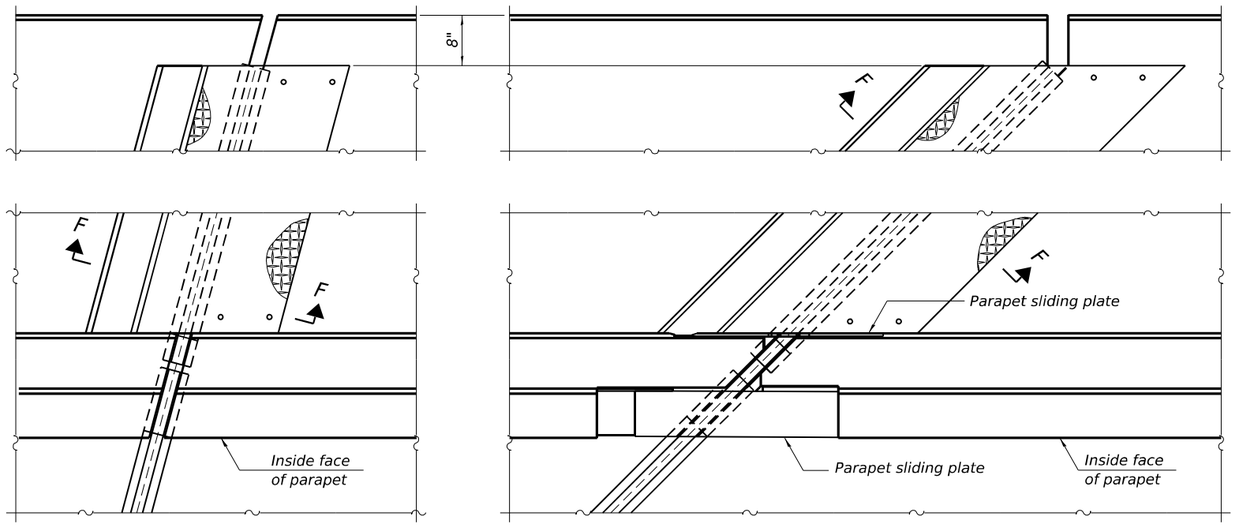
(Skews > 30° shown. Skews ≤ 30° similar except as shown in plan view.)



DETAIL B



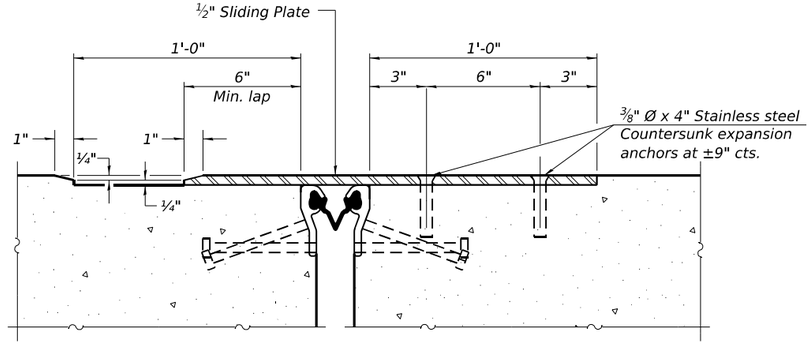
SECTION E-E



(FOR SKEWS ≤ 30°)

(FOR SKEWS > 30°)

PLAN AT DECK LEVEL SIDEWALK



SECTION F-F

EJ-SS-S 5-15-2023

(Sheet 3 of 3)

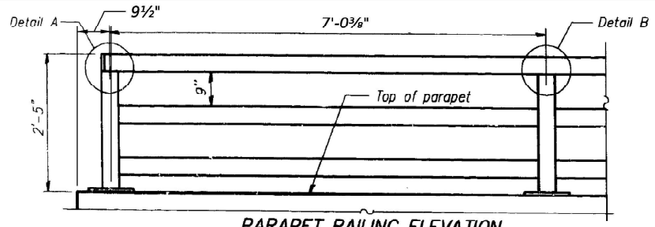
CiorbaGroup
8725 W. Higgins Rd, Ste 600, Chicago, IL 60631
P 773.775.4009 | www.ciorba.com

USER NAME =	DESIGNED - SIK	REVISED -
	CHECKED - BWS	REVISED -
PLOT SCALE =	DRAWN - SIK	REVISED -
PLOT DATE =	CHECKED - BWS	REVISED -

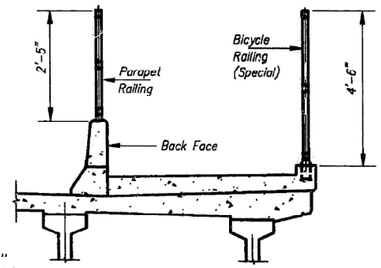
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PREFORMED JOINT STRIP SEAL - SIDEWALK
STRUCTURE NO. 016–0193
SHEET S-17 OF S-33 SHEETS

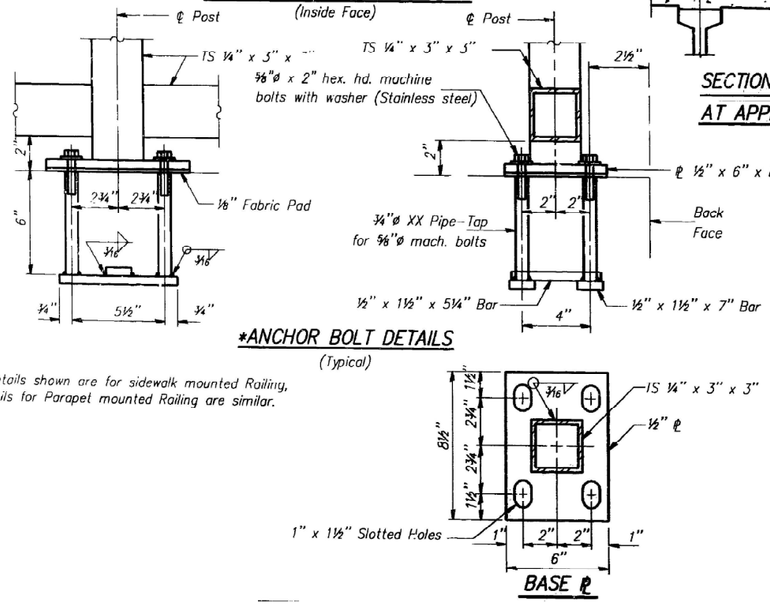
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3730	(K-B-2) BR24	COOK	66	43
		CONTRACT NO. 62X02		
	ILLINOIS	FED. AID PROJECT		



PARAPET RAILING ELEVATION
(Inside Face)



SECTION THRU SIDEWALK AT APPROACH SPAN



*ANCHOR BOLT DETAILS
(Typical)

* Details shown are for sidewalk mounted Railing, Details for Parapet mounted Railing are similar.

BASE ℄

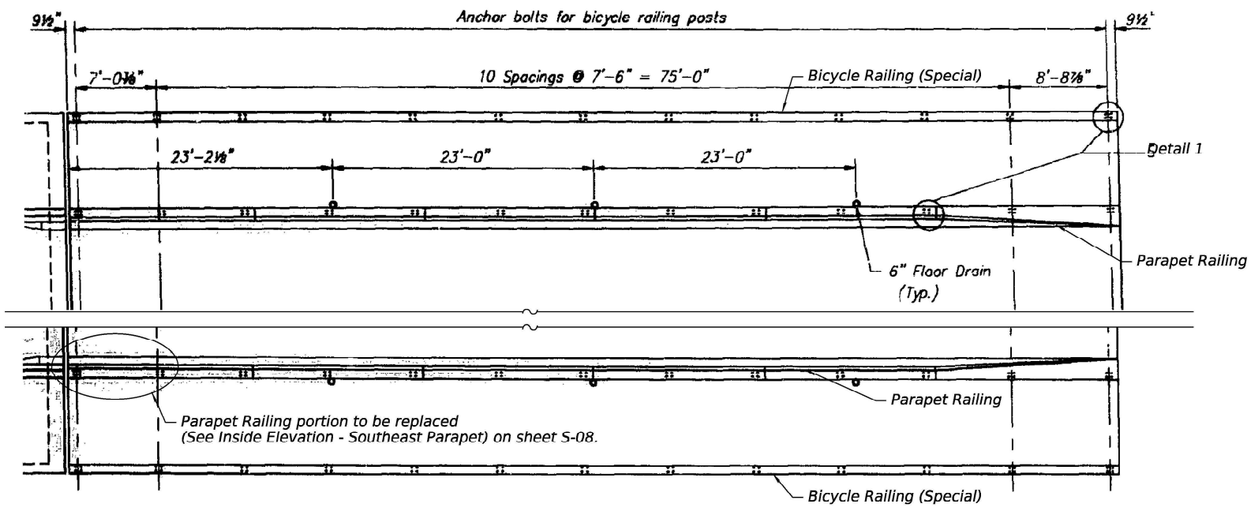
NOTES:

Hollow structural steel tubing shall conform to the requirements of ASTM designation A 500, Geade B, structural steel tubing.

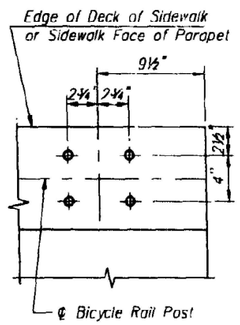
All other steel shapes and plates shall conform to the requirements of AASHTO M-270 Grade 36.

All posts, railing, splices, anchor devices, and bent plates shall be galvanized after shop fabrication in accordance with AASHTO M-111 and ASTM A-385. All bolts, nuts, and washers shall be galvanized in accordance with AASHTO M-232.

Vent holes for galvanizing shall be placed in the posts and rails at locations that will not allow the accumulation of moisture in the members.



ANCHOR BOLT- PARTIAL PLAN
(South Approach Span shown. North Approach span similar opposite side.)



DETAIL 1

N

MODEL: $MODELNAME$
FILE NAME: pw:\\ciorba-pw.bentley.com:ciorba-pw-01\Documents\Projects\IL_DOT\D1\2021693.09\CADD\Sht\Structural\016D193-62X02-18-Framing Plan1.dgn

3/14/2025 12:27:08 PM

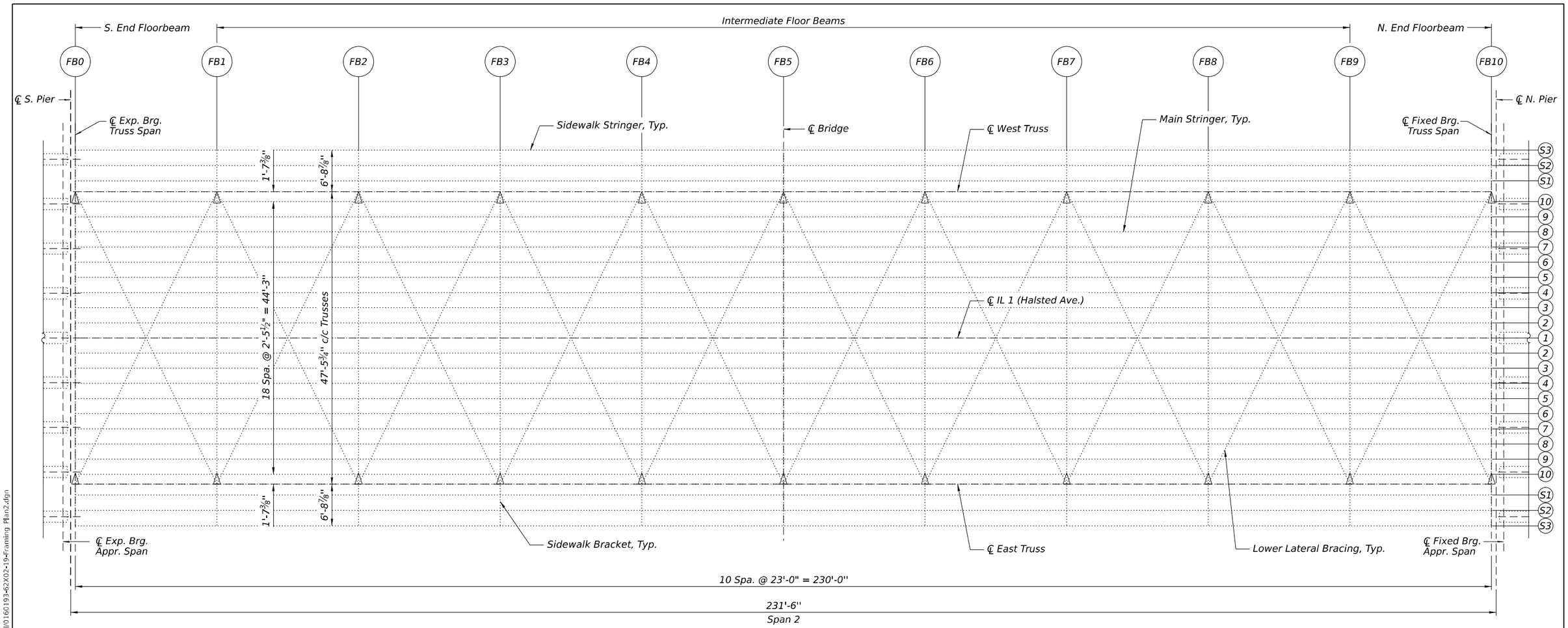
CiorbaGroup
8725 W. Higgins Rd, Ste 600, Chicago, IL 60631
P 773.775.4009 | www.ciorba.com

USER NAME =	DESIGNED - SIK	REVISED -	
	CHECKED - BWS	REVISED -	
PLOT SCALE =	DRAWN - SIK	REVISED -	
PLOT DATE =	CHECKED - BWS	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PARAPET RAILING DETAILS
STRUCTURE NO. 016-0193
SHEET S-18 OF S-33 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3730	(K-B-2) BR24	COOK	66	44
		CONTRACT NO. 62X02		
	ILLINOIS FED. AID PROJECT			



FRAMING PLAN

NOTES:

1. The location and diameter of the holes in new connecting material must match holes in the existing Structure. Bolt and rivet spacings and size must be verified in the field by the Contractor prior to ordering material for fabrication. Holes in the existing structure may be enlarged only as approved by the Engineer and in accordance with the Special Provisions. Holes may be sub-punched or sub-drilled in the new material and field reamed to match existing holes provided the sub-hole is fully contained in the outline of the reamed hole. Final holes must be round and may not be oversized. The cost of this work shall be included in "Structural Steel Repair."

2. The Contractor is responsible for proper fitting and assembly of all parts of the proposed work. Plan dimensions and details relative to existing structure have been taken from existing plans and are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering material. Such variations shall not be cause for additional compensation for a change in the scope of the work. However, the Contractor will be paid for the quantity actually furnished and installed at the unit price of "Structural Steel Repair."

3. All contact surfaces on the new and existing steel, including connection bolts, nuts and washers, are free of scale, burrs, dirt and other foreign material, oil, previously applied paint, lacquer or other coatings that would prevent solid seating of the connecting parts.

4. Existing dimensions shown are based on the original 1931 plans, the 1931 shop drawings, and the 1996 rehabilitation plans. The Contractor shall field verify all dimensions before beginning fabrication and installation to confirm proper fit up with new components.

5. All existing structural steel to remain shall be cleaned and painted as required. See Special Provisions for "Cleaning and Painting Steel Bridge No 1."

LEGEND

- Exist. Member to Remain
- (#) Main Span Stringer Number
- (S#) Sidewalk Stringer Number
- (F#) Floorbeam Number
- △ Steel Strengthening Locations

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

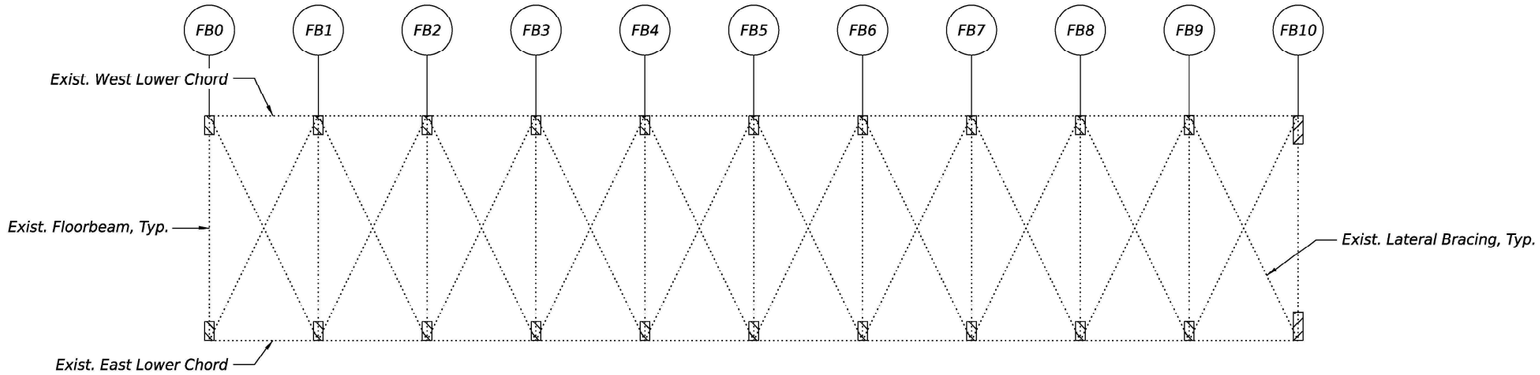
USER NAME =		DESIGNED -	CP	REVISED -	
		CHECKED -	BWS	REVISED -	
PLOT SCALE =		DRAWN -	CP	REVISED -	
PLOT DATE =		CHECKED -	BWS	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SPAN 2 FRAMING PLAN
STRUCTURE NO. 016–0193
SHEET S-19 OF S-33 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3730	(K-B-2) BR24	COOK	66	45
		CONTRACT NO. 62X02		
	ILLINOIS	FED. AID PROJECT		

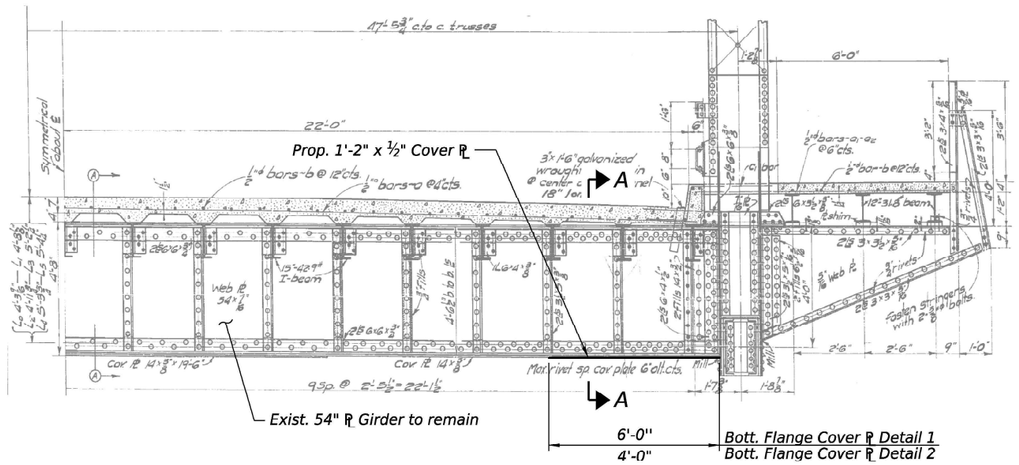
MODEL: sMODELNAMES
FILE NAME: pw://ciorba-pw.bentley.com:ciorba-pw-01/Documents/Projects/IL_DOT D1/0021693.09/CADD/Str/Structural/0160193-62X02-19-Framing Plan2.dgn
3/14/2025 12:27:18 PM



NOTES:

1. All dimensions shall be verified in the field before ordering materials and fabrication.
2. Repairs should include but not limited to the areas shown. The actual areas to be determined by the Engineer at the time of construction.
3. Costs of all structural steel, materials, removing rivets and field drilling shall be included in "Structural Steel Repair".
4. For details related to "Cleaning and Painting Structural Steel", see Sheet S-27.

LOWER CHORD FRAMING PLAN



FLOORBEAM ELEVATION

LEGEND

Cover Plate Repair Detail 1

Cover Plate Repair Detail 2

REFERENCE DRAWINGS

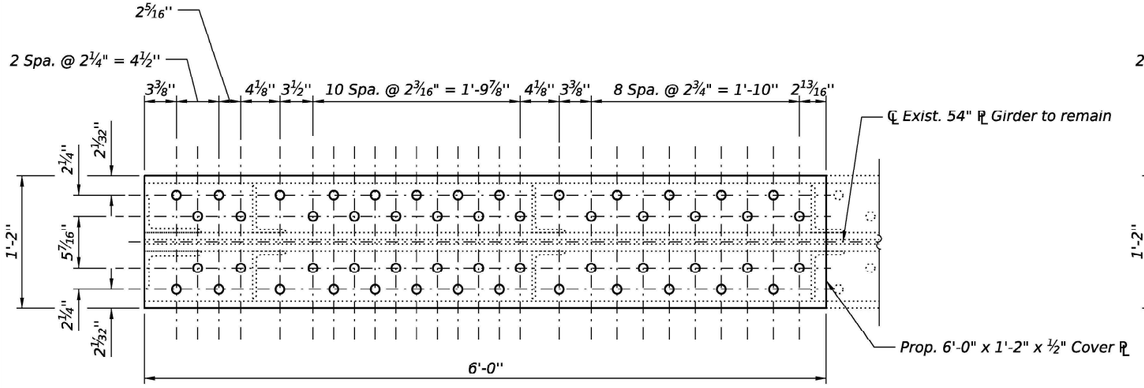
DRAWING	SHEET NO.
Floorbeam Elevation	1931 Original Plans, Sheet No. 5
Exist. 54" PL Girder Bott. Flange	1931 Shop Drawings, S-31
Section A-A	1931 Shop Drawings, S-31

SUGGESTED WORK PLAN:

1. Remove existing H.S. bolts and clean existing steel.
2. Install proposed H.S. bolts and bottom flange Cover Plate.
3. Paint proposed and existing steel.

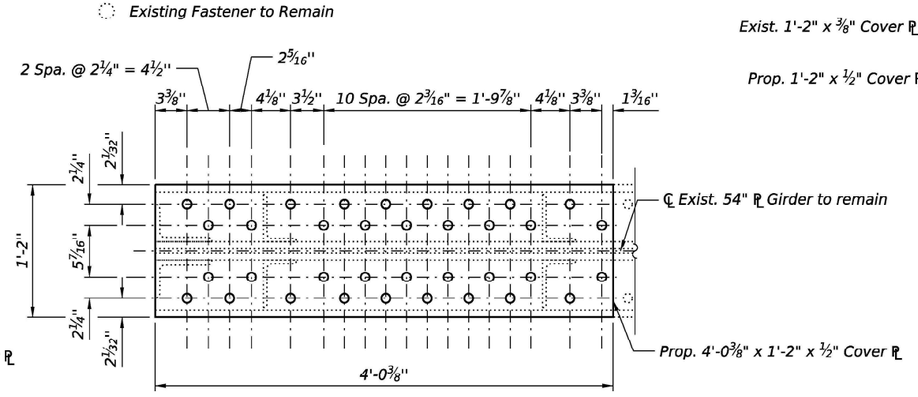
BOLT LEGEND:

- New Fastener in Existing or Field Drilled Hole
- New Fastener in Shop Drilled Hole - new member to be used for field drilling connections in existing member
- Existing Fastener to Remain



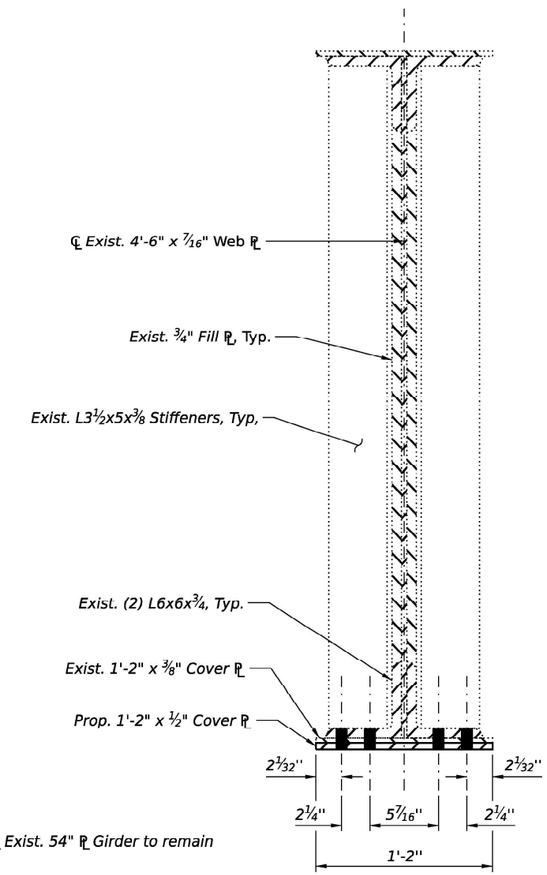
BOTTOM FLANGE COVER PLATE DETAIL 1

(2 Thus, FB10)
(Looking at Inside Face of Bolt. Flange)



BOTTOM FLANGE COVER PLATE DETAIL 2

(20 Thus, FB0 thru FB9)
(Looking at Inside Face of Bolt. Flange)



SECTION A-A

BILL OF MATERIAL

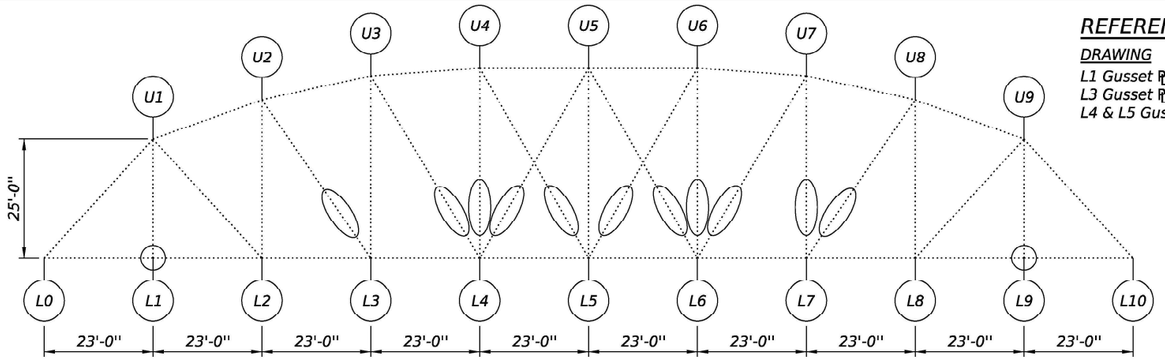
ITEM	UNIT	QUANTITY
Structural Steel Repair	Pound	2,610

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

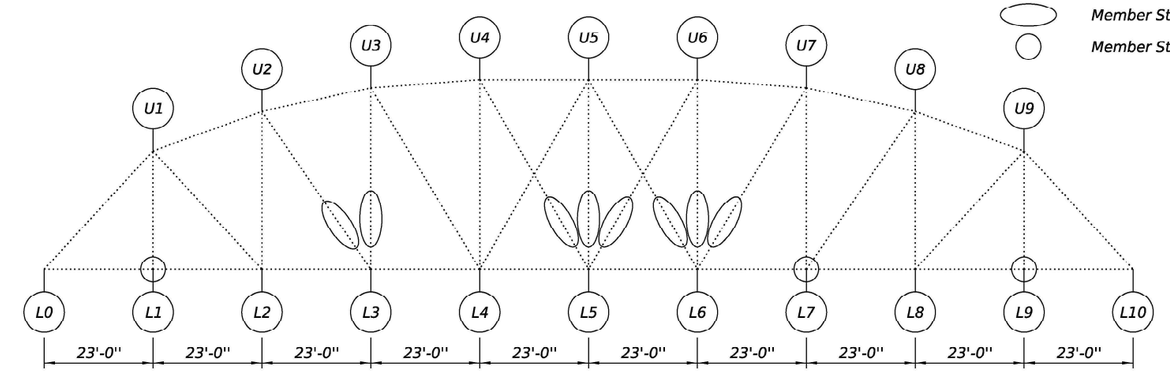
USER NAME =	DESIGNED - CP	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STEEL REPAIRS (SHEET 1 OF 8) STRUCTURE NO. 016-0193	F.A.U. RTE. 3730
	CHECKED - BWS	REVISED -			SECTION (K-B-2) BR24
PLOT SCALE =	DRAWN - CP	REVISED -			COUNTY COOK
PLOT DATE =	CHECKED - BWS	REVISED -		SHEET S-20 OF S-33 SHEETS	TOTAL SHEETS 66
					SHEET NO. 46
					CONTRACT NO. 62X02
					ILLINOIS FED. AID PROJECT

MODEL: $MODELNAMES
FILE NAME: pw:\\ciorba-pw.bentley.com:ciorba-pw-01\Documents\Projects\IL_DOT\D1\0021693.09\CADD\Shts\Structural\016D193-62X02-20-SteelRepair1.dgn

3/14/2025 12:27:25 PM



EAST TRUSS ELEVATION



WEST TRUSS ELEVATION

REFERENCE DRAWINGS

DRAWING	SHEET NO.
L1 Gusset PL	1931 Shop Drawings, S-10
L3 Gusset PL	1931 Shop Drawings, S-11
L4 & L5 Gusset PL's	1931 Shop Drawings, S-12

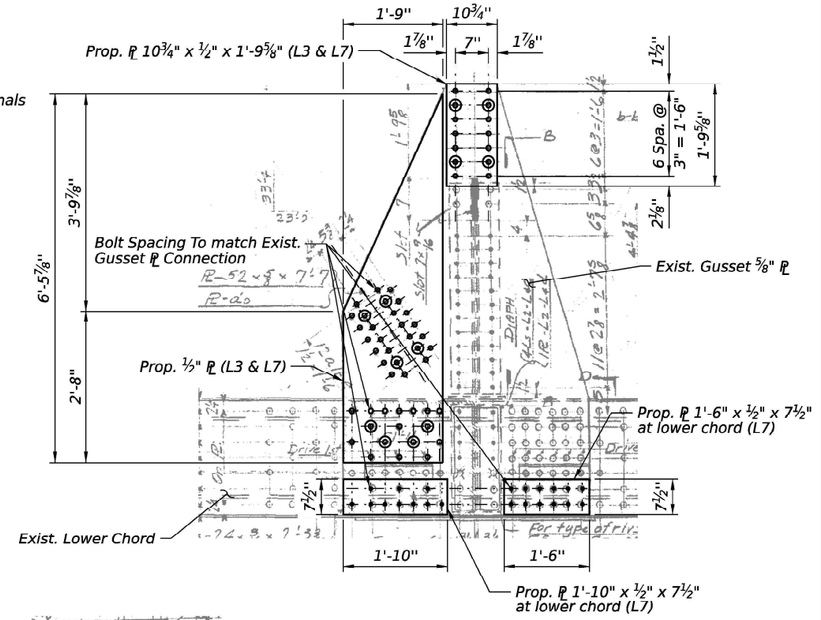
LEGEND

Member Strengthening at Verticals & Diagonals

Member Strengthening at Lower Chord

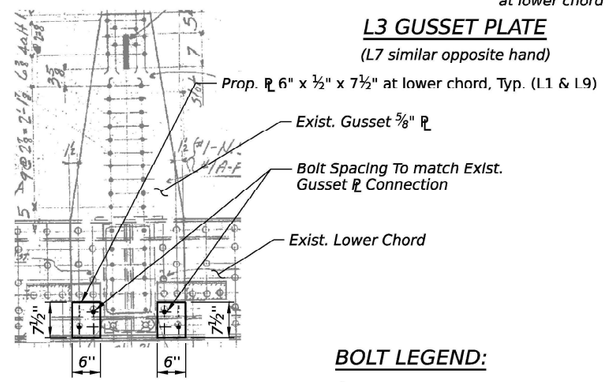
NOTES:

1. Cost of all structural steel, materials, removing rivets and field drilling shall be included in "Structural Steel Repair".
2. Cost of field drilling shall be included in "Structural Steel Repair".
3. For details related to "Cleaning and Painting Structural Steel", see Sheet S-27.
4. For diagonal repair details, see Sheet S-25.
5. For Bill of Material, Suggested Work Plan and vertical repair details, See Sheet S-22.



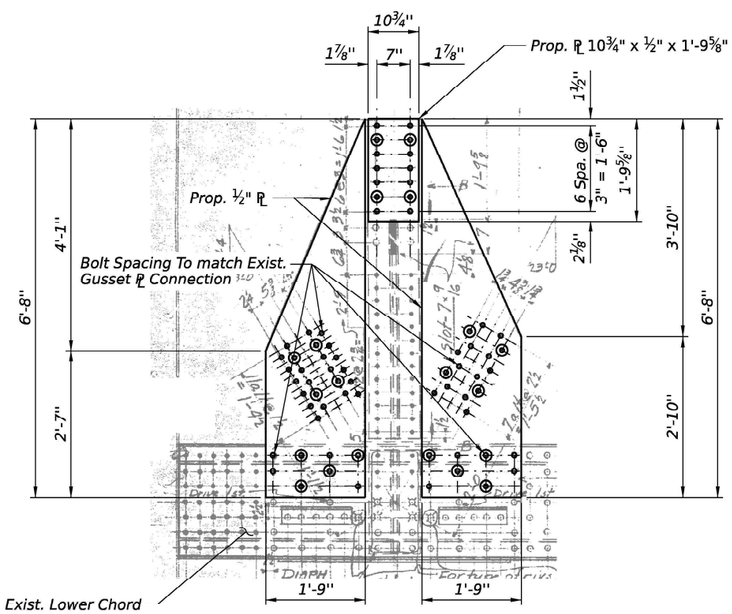
L3 GUSSET PLATE

(L7 similar opposite hand)



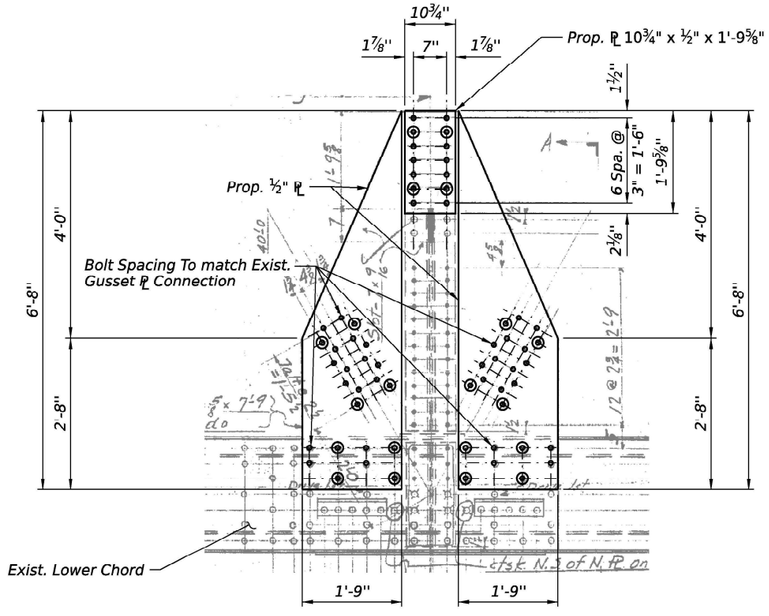
L1 GUSSET PLATE

(L9 similar opposite hand)



L4 GUSSET PLATE

(L6 similar opposite hand)



L5 GUSSET PLATE

BOLT LEGEND:

- ○ New Fastener in Existing or Field Drilled Hole
- ● New Fastener in Shop Drilled Hole - new member to be used for field drilling connections in existing member
- ◎ Replace Existing Fastener - new fastener installed and pretensioned prior to installing fill/retrofit plates
- ◌ Existing Fastener to Remain

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

USER NAME =	DESIGNED - CP	REVISED -	
	CHECKED - BWS	REVISED -	
PLOT SCALE =	DRAWN - CP	REVISED -	
PLOT DATE =	CHECKED - BWS	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

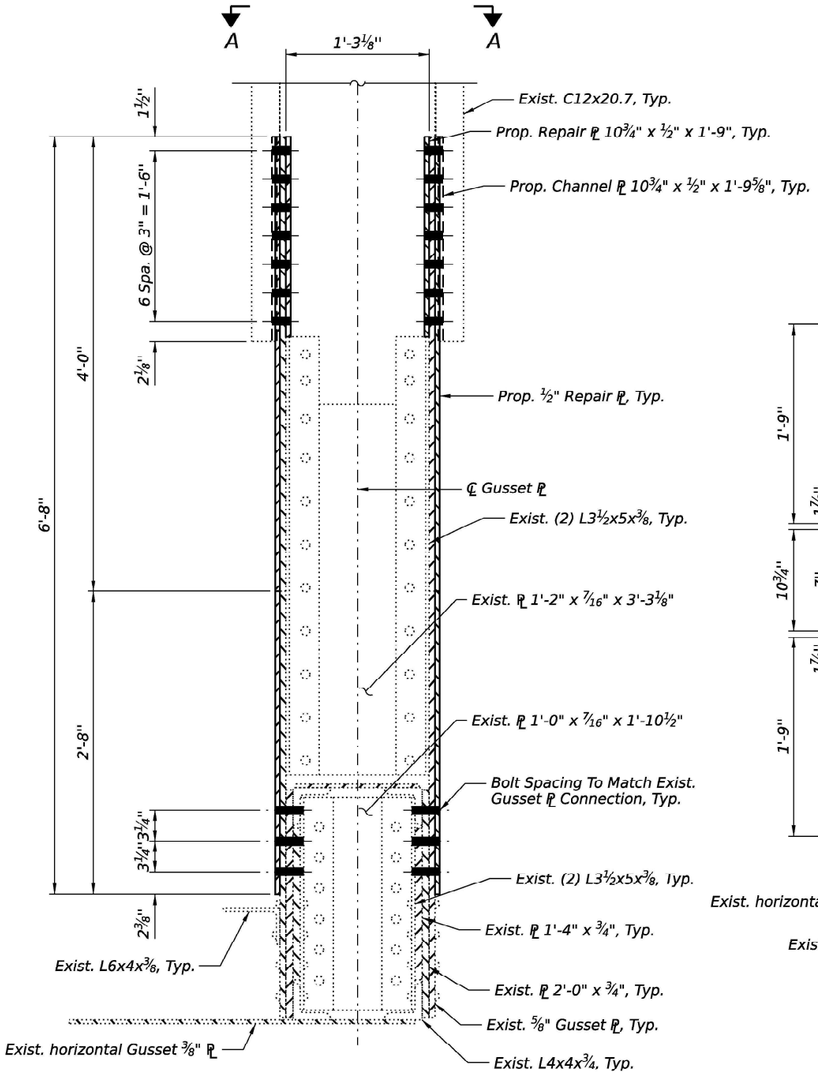
STEEL REPAIRS (SHEET 2 OF 8)
STRUCTURE NO. 016-0193

SHEET S-21 OF S-33 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3730	(K-B-2) BR24	COOK	66	47
		CONTRACT NO. 62X02		
		ILLINOIS	FED. AID PROJECT	

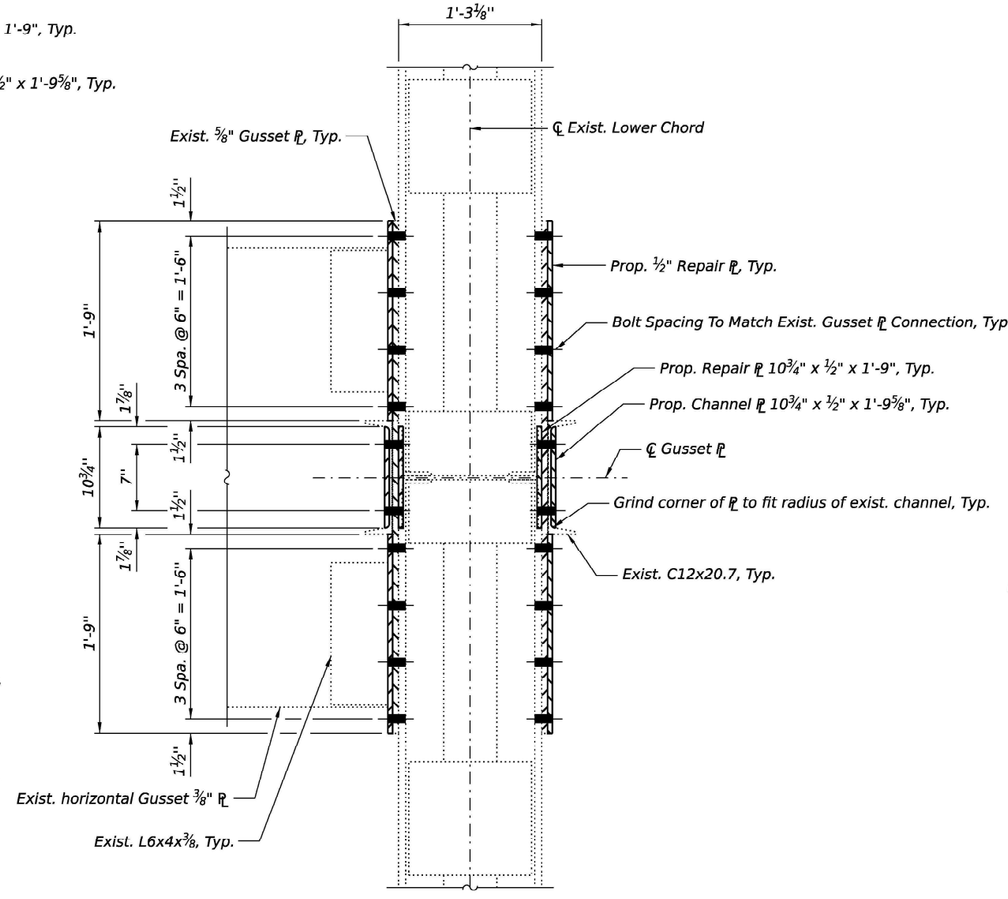
MODEL: $MODELNAME$
FILE NAME: pw:\\ciorba-pw.bentley.com:ciorba-pw-01\Documents\Projects\IL_DOT\D1\0021693.09\CADD\Sht\Structural\0116O193-62X02-21-SteelRepair2.dgn

3/14/2025 12:27:37 PM



GUSSET ℄ REPAIR DETAIL

(At L5, others Similar)
(Bolt spacings for diagonals not shown for clarity)



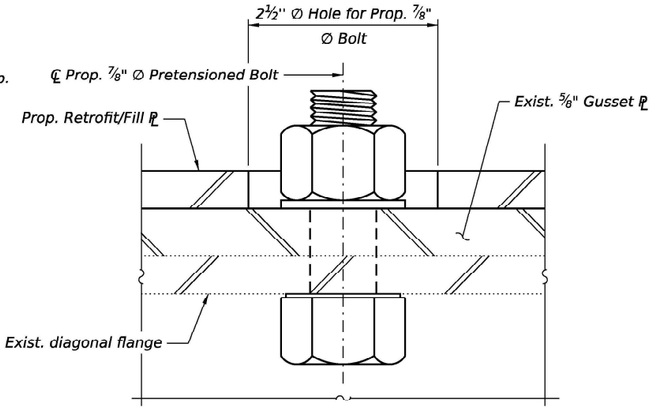
SECTION A-A

BOLT LEGEND:

- ○ *New Fastener in Existing or Field Drilled Hole*
- ● *New Fastener in Shop Drilled Hole - new member to be used for field drilling connections in existing member*
- ◌ *Existing Fastener to Remain*

REFERENCE DRAWINGS

DRAWING	SHEET NO.
L5 Gusset ℄ Cross Section	1931 Shop Drawings, S-12



PRETENSIONED BOLT DETAIL

(For locations see Sheet S-21)

NOTES:

1. *Cost of all structural steel, material, removing rivets and field drilling shall be included in "Structural Steel Repair".*
2. *For details related to "Cleaning and Painting Structural Steel", see Sheet S-27.*

BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Structural Steel Repair	Pound	5,220

SUGGESTED WORK PLAN:

1. *Wash outside gusset surfaces.*
2. *Verify retrofit plate & fill plate dimensions.*
3. *Remove rivets and install new permanent bolts (fully pretension) on the gusset plate at the four locations per lower chord, vertical and diagonal truss members, as shown on Sheet S-21.*
4. *Remove rivets one-by-one on the gusset plate and replace with new high strength bolts, snug tight.*
5. *Field drill holes in the new retrofit and fill plates to match existing holes in the gusset plate.*
6. *Clean all surfaces of all cutting oils and debris.*
7. *Touch up galvanized coating in the retrofit plates and fill plates.*
8. *With all bolts installed in the gusset plate, remove the nuts/washers and install new fill and retrofit plates, do not remove nuts from bolts installed during Step 2.*
9. *Reinstall all nuts and washers and pretension all bolts in the retrofit plate and fill plate.*
10. *Touch-up damage to painted and galvanized coatings.*

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

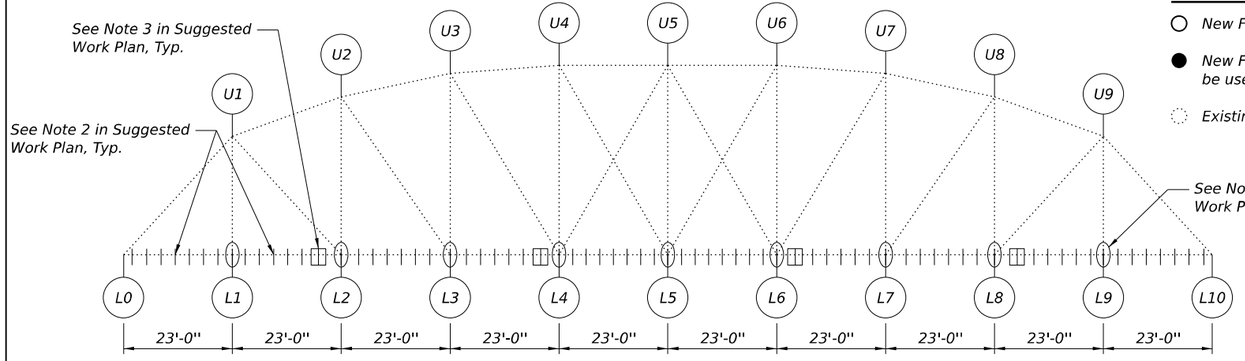
USER NAME =	DESIGNED -	CP	REVISED -	
	CHECKED -	BWS	REVISED -	
PLOT SCALE =	DRAWN -	CP	REVISED -	
PLOT DATE =	CHECKED -	BWS	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STEEL REPAIRS (SHEET 3 OF 8)
STRUCTURE NO. 016–0193
SHEET S-22 OF S-33 SHEETS

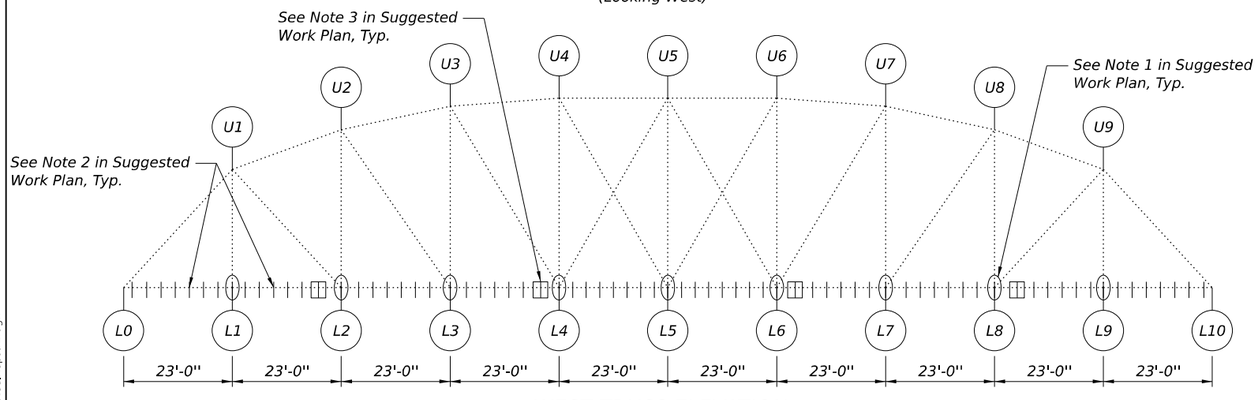
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3730	(K-B-2) BR24	COOK	66	48
		CONTRACT NO. 62X02		
	ILLINOIS	FED. AID PROJECT		

MODEL: $MODELNAME$
FILE NAME: pw:\\ciorba-pw.bentley.com:ciorba-pw-01\Documents\Projects\IL_DOT\D1\2021693.09\CADD\Sht\Structural\0116193-62X02-22-SteelRepair3.dgn
3/14/2025 12:27:49 PM



EAST TRUSS ELEVATION

(Looking West)



WEST TRUSS ELEVATION

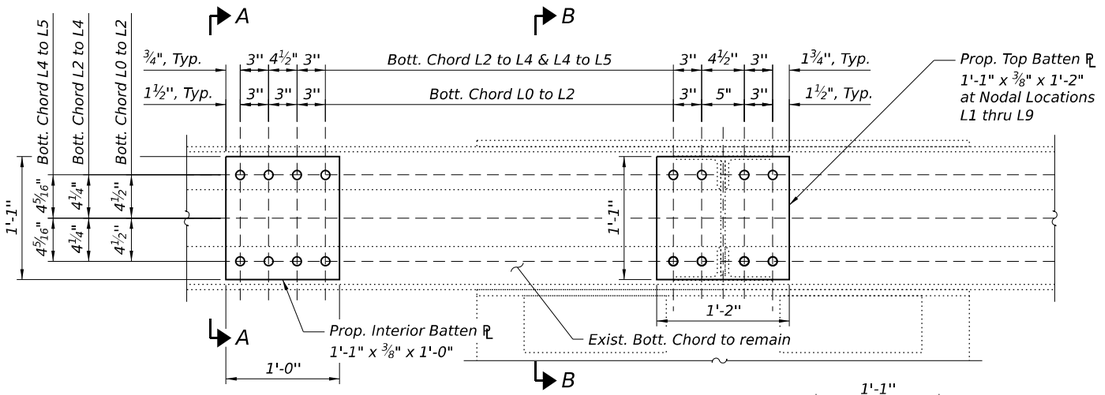
(Looking West)

BOLT LEGEND:

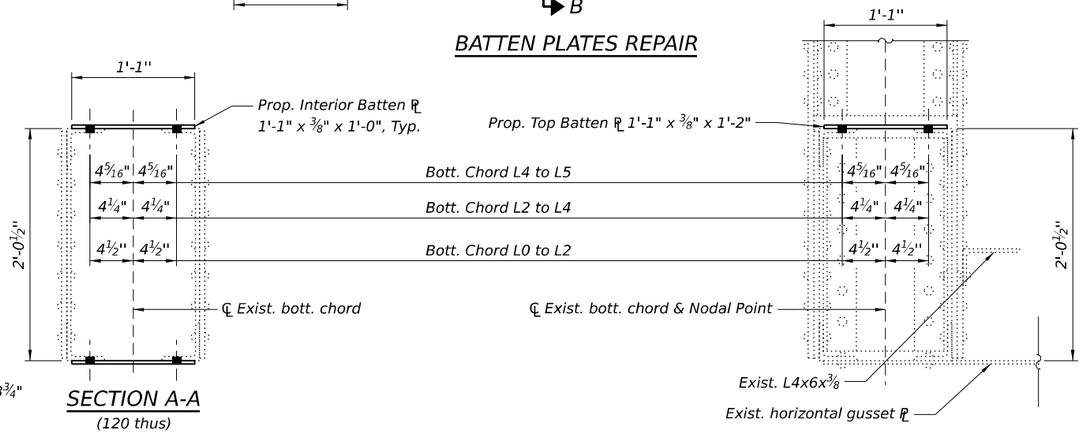
- New Fastener in Existing or Field Drilled Hole
- New Fastener in Shop Drilled Hole - new member to be used for field drilling connections in existing member
- Existing Fastener to Remain

NOTES:

1. Cost of all structural steel, material, removing rivets and field drilling shall be included in "Structural Steel Repair".
2. For details related to "Cleaning and Painting Structural Steel", see Sheet S-27.
3. For vertical web plate repair detail from L1-U1 to L9-U9, see Sheet S-24.
4. For Reference Drawings and Splice Plate Repair Detail 2, see Sheet S-24.
5. Only one batten plate shall be removed and replaced at a time. When batten plates are removed, the proposed batten plates must be in place and the bolts tightened before additional batten plates are removed.



BATTEN PLATES REPAIR

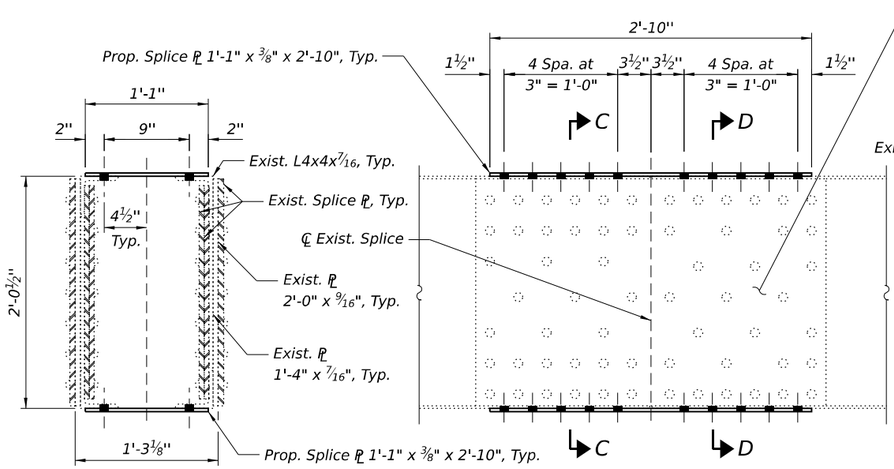


SECTION A-A

(120 thus)

SECTION B-B

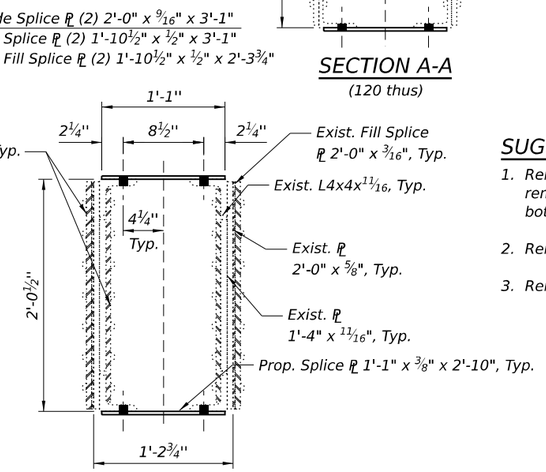
(18 thus)



SECTION C-C

SPLICE PLATE REPAIR DETAIL 1

(At L2 & L8, 4 thus)



SECTION D-D

SUGGESTED WORK PLAN:

1. Remove and replace the top batten plate at all gusset plate nodal locations from L1 to L9. At these locations, also remove and replace the web plate for all vertical members frm L1-U1 to L9-U9 (located within the connection to the bottom chord).
2. Remove and replace the top and bottom interior batten plates along the bottom chord.
3. Remove and replace the top and bottom splice plates along the bottom chord.

BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Structural Steel Repair	Pound	5,560

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

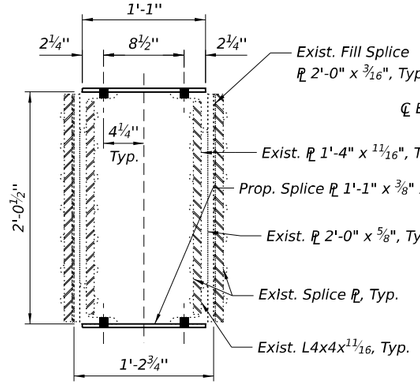
USER NAME =	DESIGNED - CP	REVISED -	
	CHECKED - BWS	REVISED -	
PLOT SCALE =	DRAWN - CP	REVISED -	
PLOT DATE =	CHECKED - BWS	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

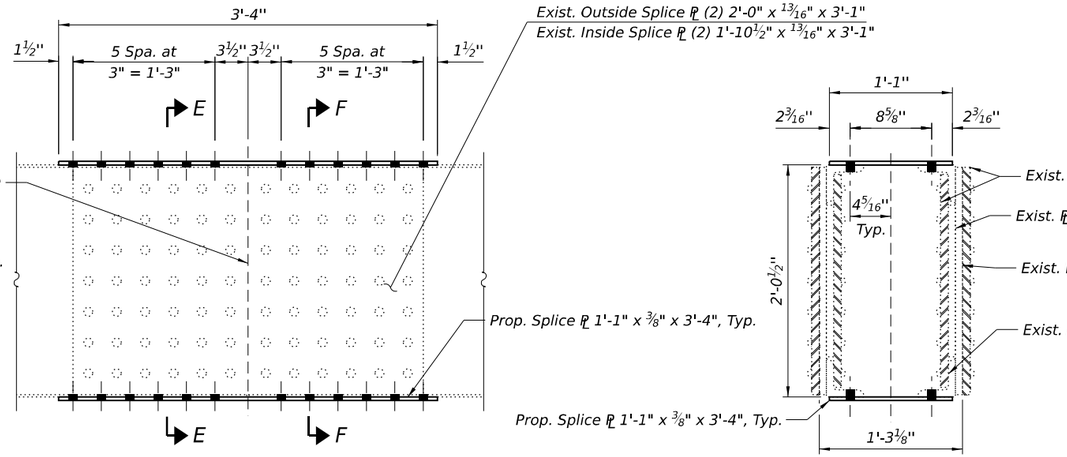
STEEL REPAIRS (SHEET 4 OF 8)
STRUCTURE NO. 016-0193
SHEET S-23 OF S-33 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3730	(K-B-2) BR24	COOK	66	49
		CONTRACT NO. 62X02		
	ILLINOIS	FED. AID PROJECT		

MODEL: sMODELNAMES
FILE NAME: pw://ciorba-pw.bentley.com:ciorba-pw-01/Documents/Projects/IL_DOT/D1/0021693.09/CADD/Sht/Structural/0116019362X02-23-SteelRepair4.dgn
3/14/2025 12:27:57 PM



SECTION E-E



SPLICE PLATE REPAIR DETAIL 2

(At L4 & L6, 4 thus)

SECTION F-F

REFERENCE DRAWINGS

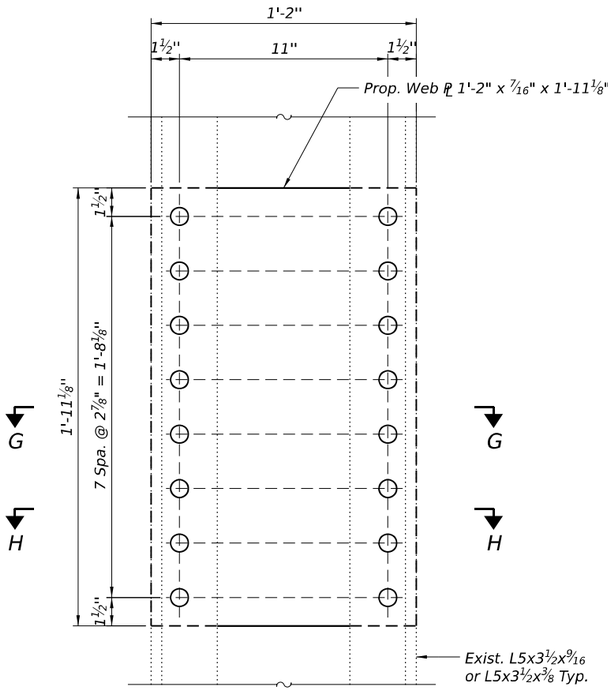
DRAWING	SHEET NO.
Batten Plate Repairs	1931 Shop Drawings, S-10 thru S-12
Sections A-A thru F-F	1931 Shop Drawings, S-10 thru S-12
Web ℄ Repair Details	1931 Shop Drawings, S-10 thru S-12
Sections G-G thru I-I	1931 Shop Drawings, S-10 thru S-12

BOLT LEGEND:

- ○ New Fastener in Existing or Field Drilled Hole
- ● New Fastener in Shop Drilled Hole - new member to be used for field drilling connections in existing member
- ◌ Existing Fastener to Remain

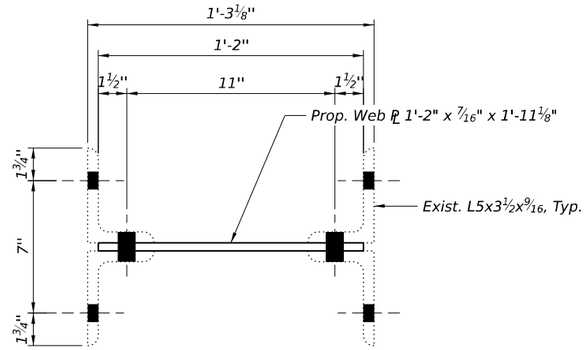
BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Structural Steel Repair	Pound	1,400



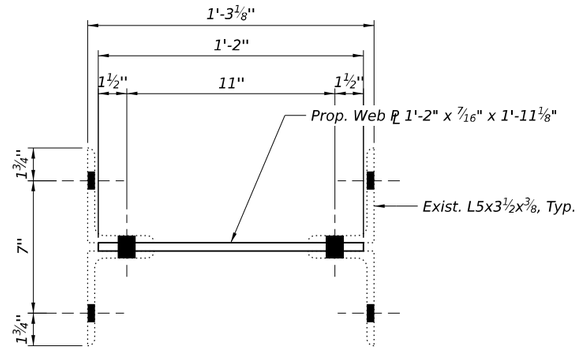
WEB PLATE REPAIR DETAIL

(L1-U1 thru L9-U9, 9 thus)



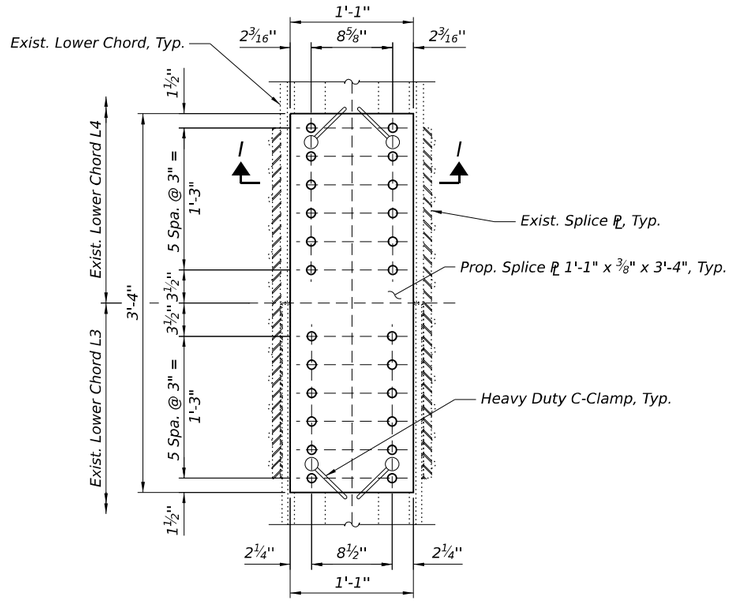
SECTION G-G

(L1-U1 & L9-U9)



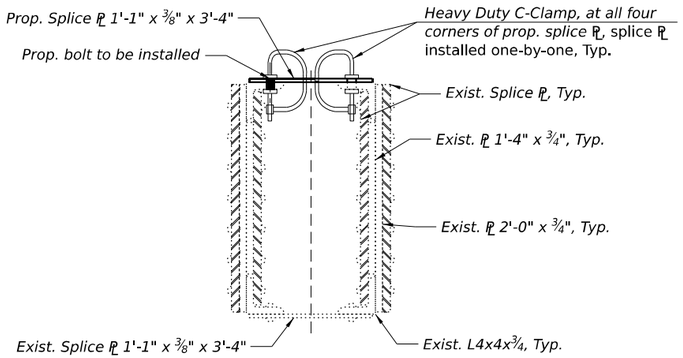
SECTION H-H

(L2-U2 thru L8-U8)



SPLICE PLATE INSTALLATION DETAIL

(At L4 & L6, others similar)



SECTION I-I

NOTES:

1. For Suggested work plan, see Sheet S-23.
2. Only one splice plate shall be removed and replaced at a time. When splice plates are removed, the proposed splice plate must be in place, secured in place with heavy duty C-clamps in all four corners of the plate and the bolts tightened before additional splice plates are removed.
3. Cost of installing Heavy Duty C-Clamp shall be included in "Structural Steel Repair."

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

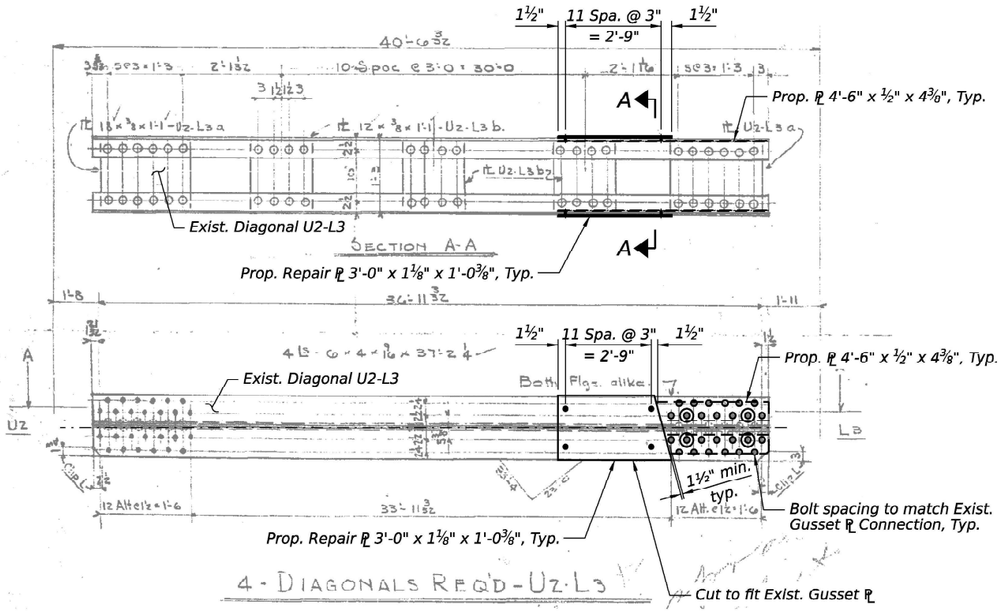
USER NAME =	DESIGNED - CP	REVISED -	
	CHECKED - BWS	REVISED -	
PLOT SCALE =	DRAWN - CP	REVISED -	
PLOT DATE =	CHECKED - BWS	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STEEL REPAIRS (SHEET 5 OF 8)
STRUCTURE NO. 016–0193
SHEET 5-24 OF S-33 SHEETS

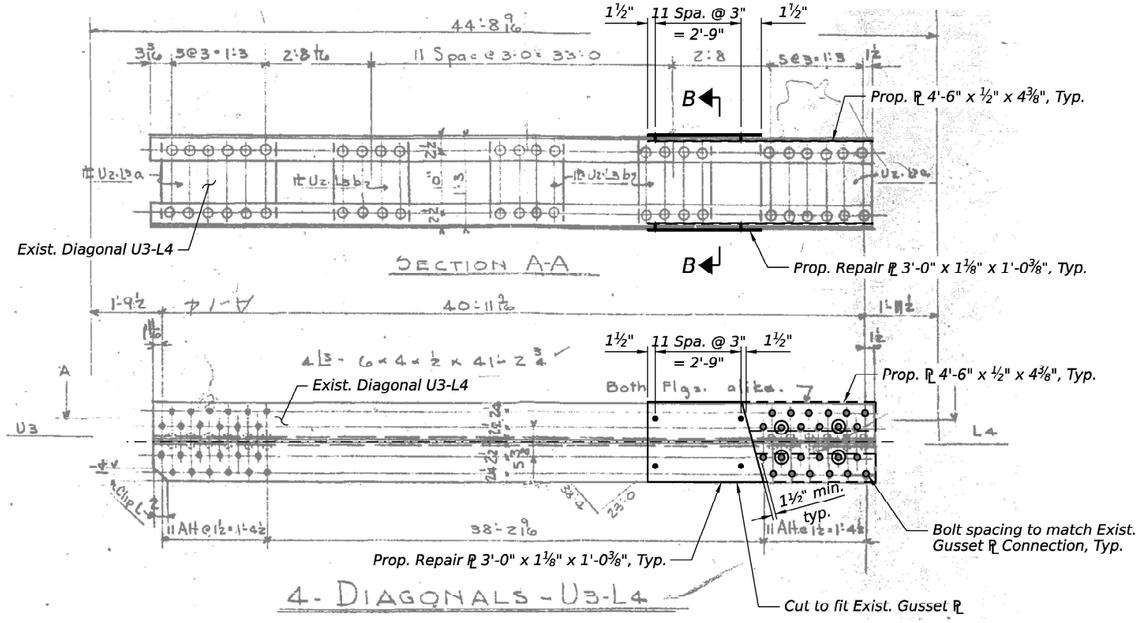
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3730	(K-B-2) BR24	COOK	66	50
		CONTRACT NO. 62X02		
	ILLINOIS	FED. AID PROJECT		

MODEL: sMODELNAMEs
FILE NAME: pw://ciorba-pw.bentley.com:ciorba-pw-01/Documents/Projects/IL_DOT/D1/00021693.09/CADD/Str/Structural/0160193-62X02-24-SteelRepair5.dgn
3/14/2025 12:28:05 PM



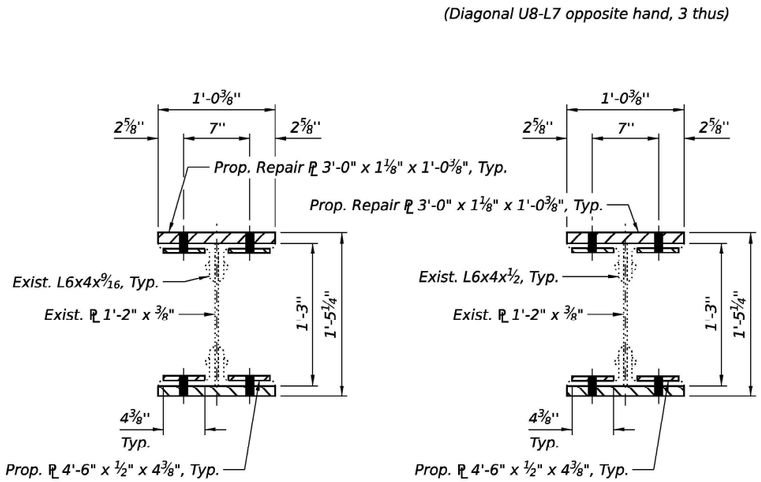
DIAGONAL U2-L3 REPAIR DETAILS

(Diagonal U8-L7 opposite hand, 3 thus)



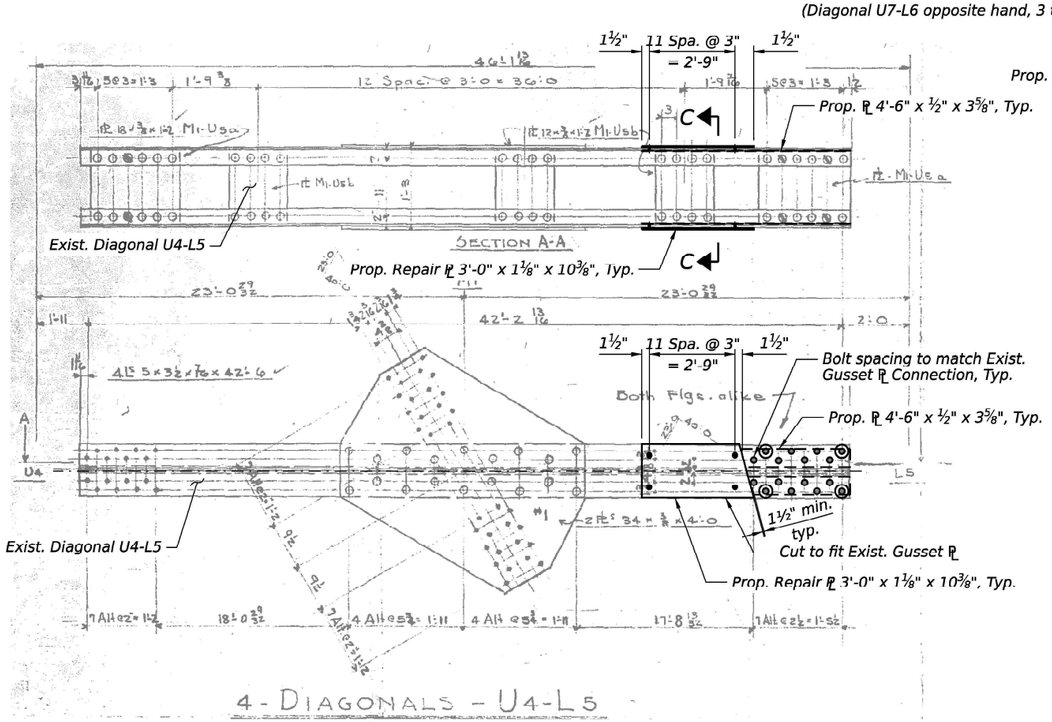
DIAGONAL U3-L4 REPAIR DETAILS

(Diagonal U7-L6 opposite hand, 3 thus)



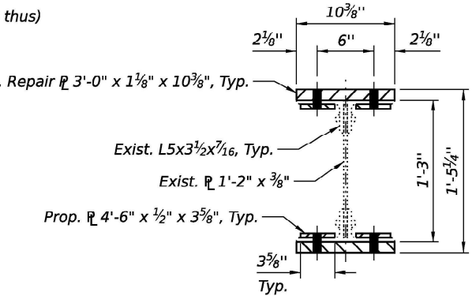
SECTION A-A

SECTION B-B



DIAGONAL U4-L5 REPAIR DETAILS

(Diagonal U5-L4 similar, Diagonal U6-L5 opposite hand, 6 thus)



SECTION C-C

NOTES:

1. *Work this sheet with Sheet S-21.*
2. *Cost of all structural steel, material, removal of rivets and field drilling shall be included in "Structural Steel Repair".*
3. *For details related to "Cleaning and Painting Structural Steel", see Sheet S-27.*
4. *For Suggested Work Plan, see Sheet S-22.*

REFERENCE DRAWINGS

DRAWING	*SHEET NO.*
Diagonal U2-L3	*1931 Shop Drawings, S-13*
Diagonal U3-L4	*1931 Shop Drawings, S-13*
Diagonal U4-L5	*1931 Shop Drawings, S-14*

BOLT LEGEND:

- *New Fastener in Existing or Field Drilled Hole*
- *New Fastener in Shop Drilled Hole - new member to be used for field drilling connections in existing member*
- *Replace Existing Fastener - new fastener installed and pretensioned prior to installing fill/retrofit plates*
- *Existing Fastener to Remain*

BILL OF MATERIAL

ITEM	*UNIT*	*QUANTITY*
Structural Steel Repair	*Pound*	*5,760*

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

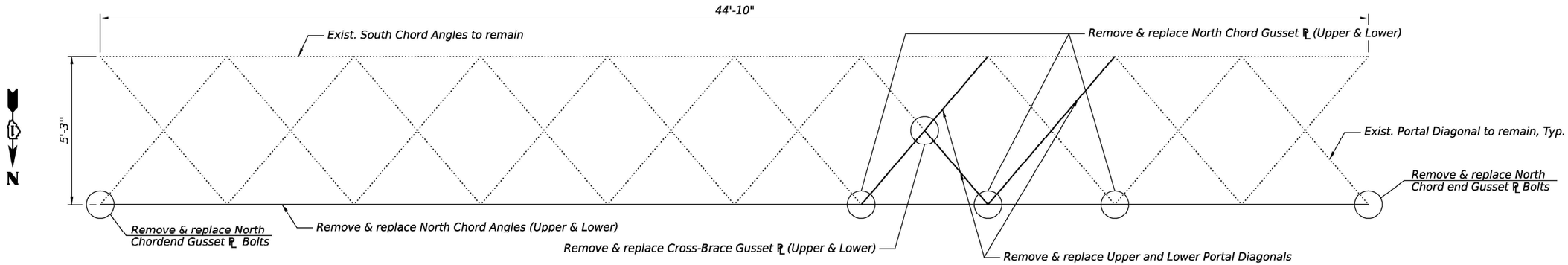
USER NAME =	DESIGNED - CP	REVISED -	
	CHECKED - BWS	REVISED -	
PLOT SCALE =	DRAWN - CP	REVISED -	
PLOT DATE =	CHECKED - BWS	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STEEL REPAIRS (SHEET 6 OF 8)
STRUCTURE NO. 016-0193
SHEET S-25 OF S-33 SHEETS

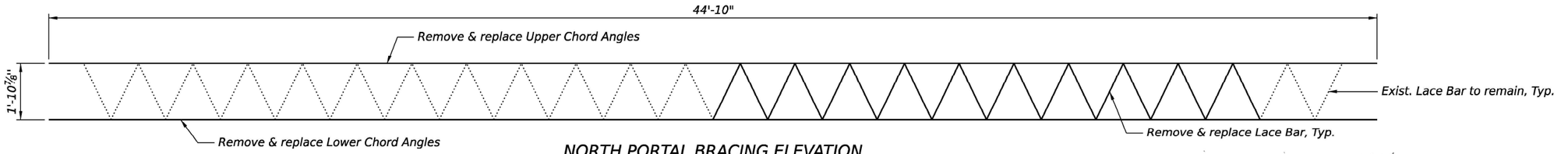
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3730	(K-B-2) BR24	COOK	66	51
		CONTRACT NO. 62X02		
	ILLINOIS	FED. AID PROJECT		

MODEL: $MODELNAME$
FILE NAME: pw:\\ciorba-pw.bentley.com:ciorba-pw-01\Documents\Projects\IL_DOT\D1\0021693.09\CADD\Sht\Structural\016O193-62X02-25-SteelRepair6.dgn
5/8/2025 12:28:58 PM



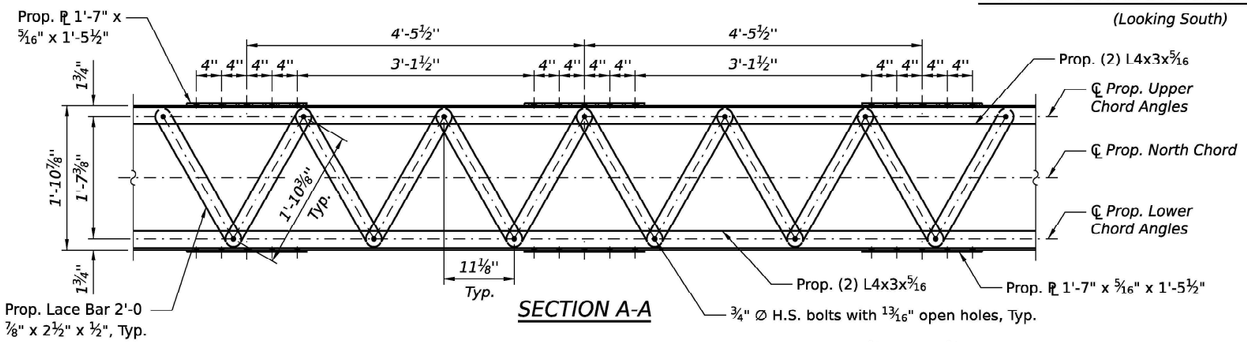
NORTH PORTAL TRUSS FRAMING PLAN

(At L9)

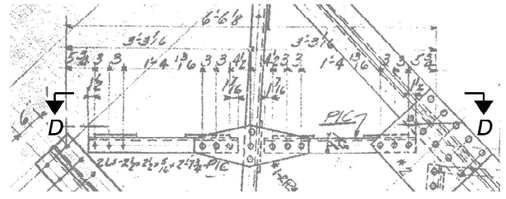


NORTH PORTAL BRACING ELEVATION

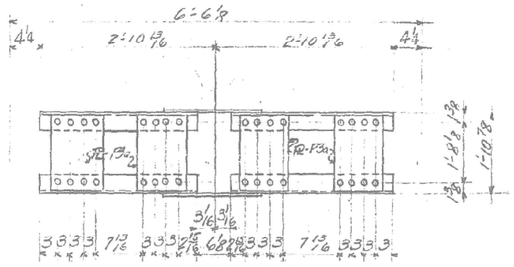
(Looking South)



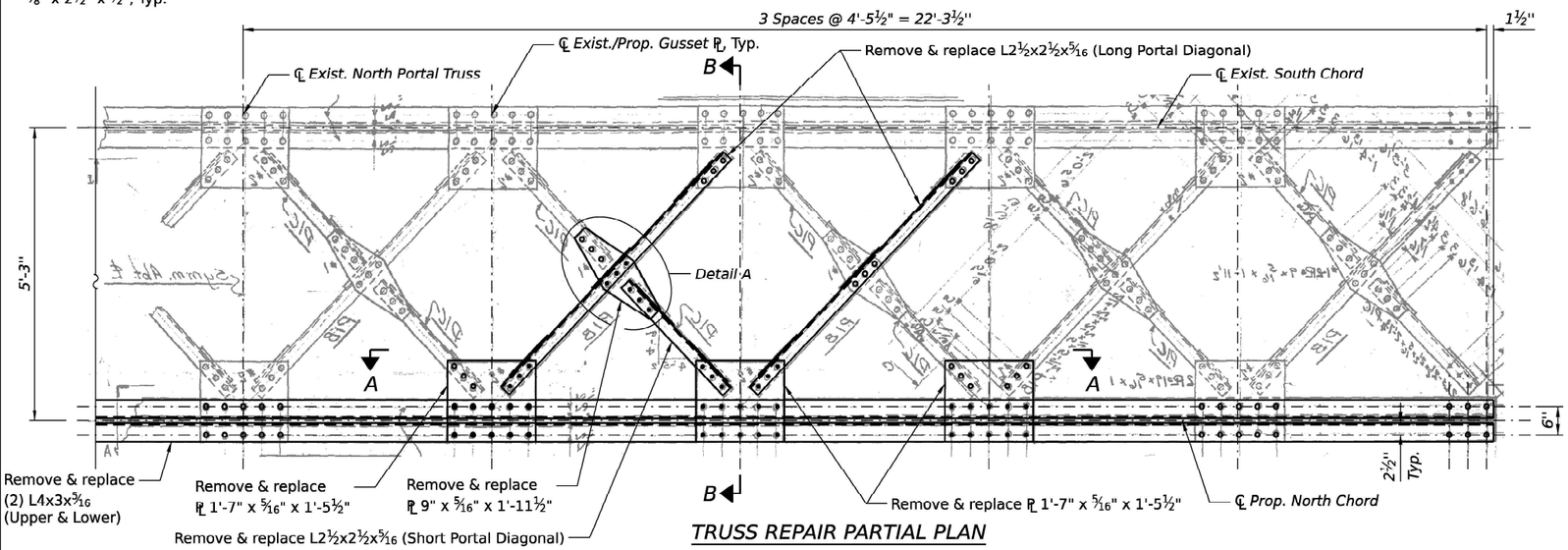
SECTION A-A



DETAIL A



SECTION D-D



TRUSS REPAIR PARTIAL PLAN

REFERENCE DRAWINGS

DRAWING	SHEET NO.
Portal Truss	1931 Shop Drawings, S-17

BOLT LEGEND:

- ○ New Fastener in Existing or Field Drilled Hole
- ● New Fastener in Shop Drilled Hole - new member to be used for field drilling connections in existing member
- ◌ Existing Fastener to Remain

NOTES:

1. Cost of all structural steel, material, removal of rivets and field drilling shall be included in "Structural Steel Repair".
2. For details related to "Cleaning and Painting Structural Steel", see Sheet S-27.
3. For Long Portal Diagonal Detail, Short Portal Diagonal Detail and Section B-B, see Sheet S-27.
4. Locations to be strengthened shall be verified in field.
5. For Bill of Material, see Sheet S-27.
6. Only two lacing bars may be removed at a time. When lacing bars are removed, the proposed lacing bars must in place and the bolts tightened before additional lacing bars are removed.

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

USER NAME =	DESIGNED - CP	REVISED -	
	CHECKED - BWS	REVISED -	
PLOT SCALE =	DRAWN - CP	REVISED -	
PLOT DATE =	CHECKED - BWS	REVISED -	

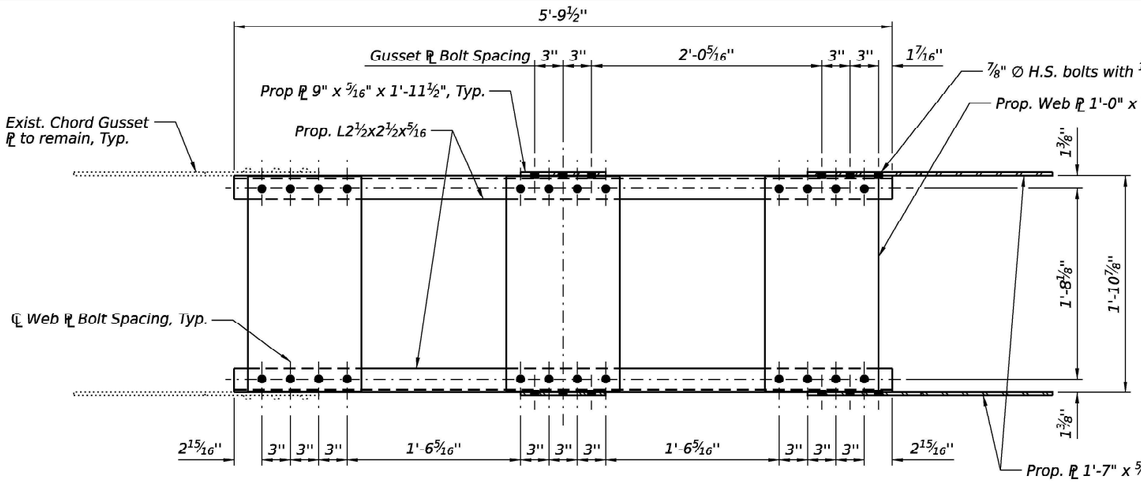
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STEEL REPAIRS (SHEET 7 OF 8)
STRUCTURE NO. 016-0193

SHEET S-26 OF S-33 SHEETS

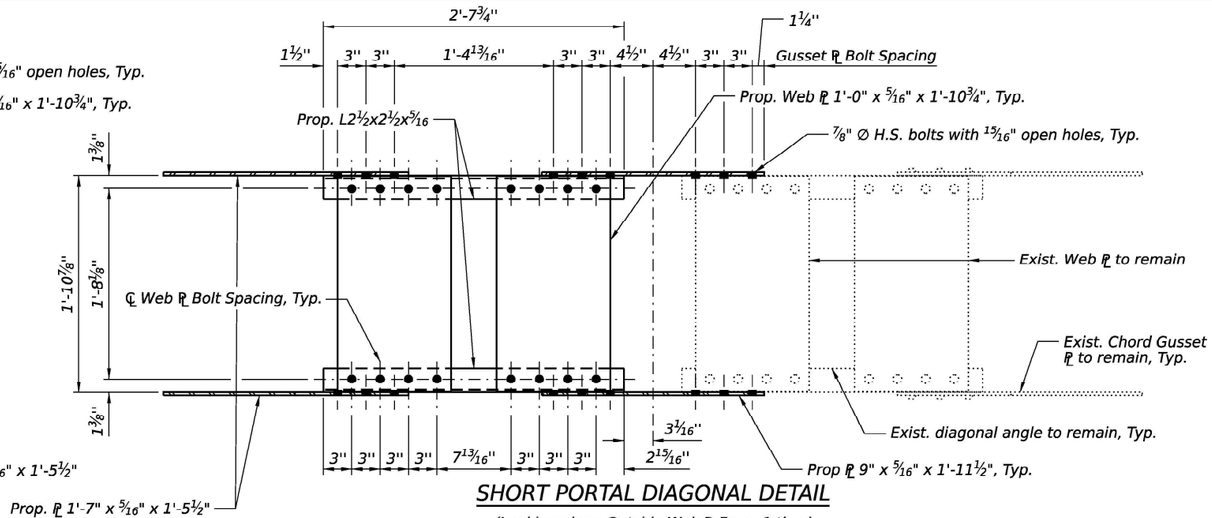
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3730	(K-B-2) BR24	COOK	66	52
		CONTRACT NO. 62X02		
	ILLINOIS FED. AID PROJECT			

MODEL: $MODELNAMES
FILE NAME: pw://ciorba-pw.bentley.com:ciorba-pw-01/Documents/Projects/IL_DOT/D1/302.1693.09/CADD/Shr/Structural/0160193-62X02-26-SteelRepair7.dgn
5/8/2025 12:22:35 PM



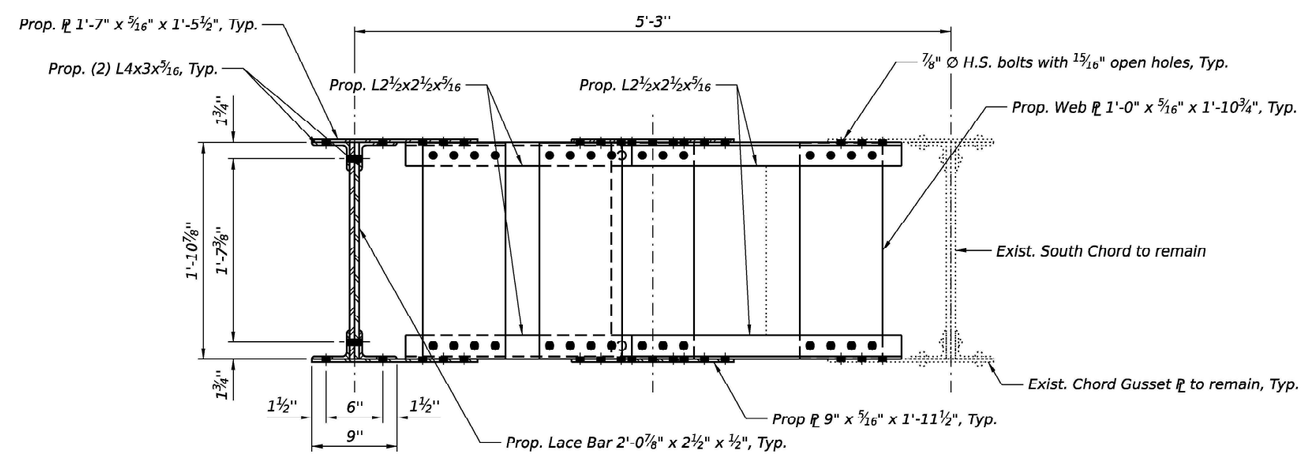
LONG PORTAL DIAGONAL DETAIL

(Looking along Outside Web ℄ Face)
(2 thus)



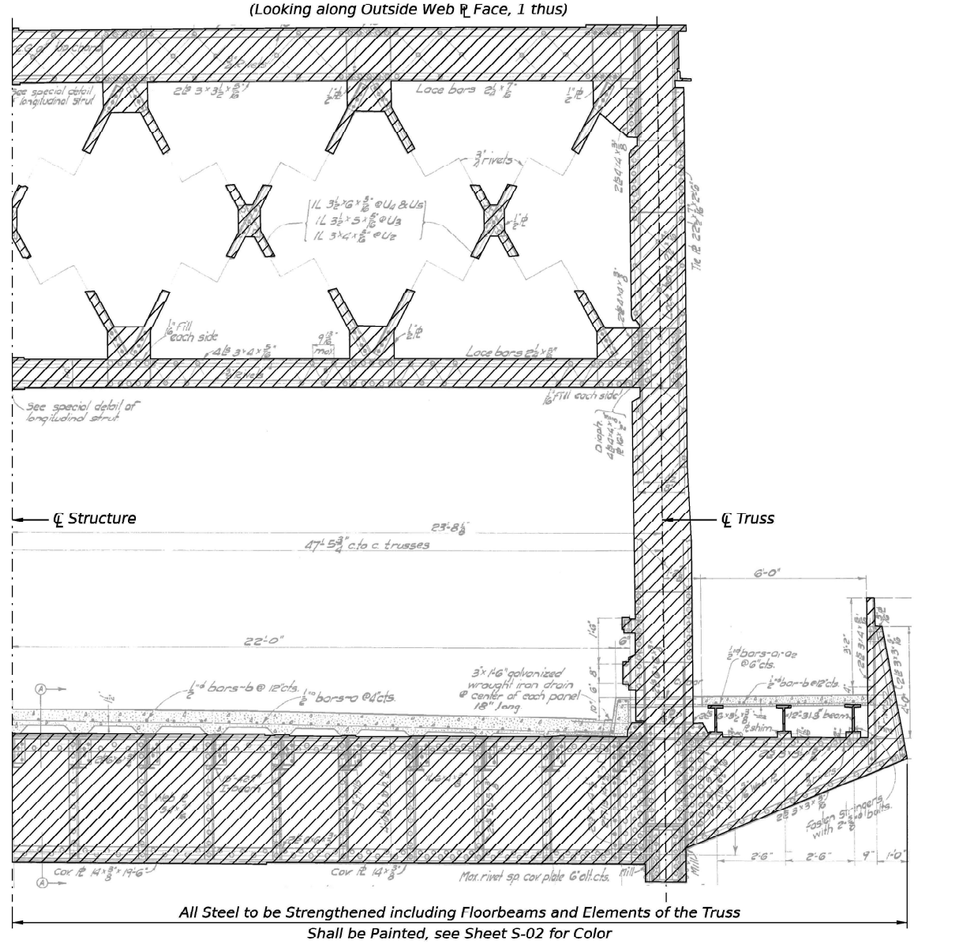
SHORT PORTAL DIAGONAL DETAIL

(Looking along Outside Web ℄ Face, 1 thus)



SECTION B-B

(Looking East)



PAINT DETAIL

(At Span 2, Symmetrical about ℄ Structure)

BOLT LEGEND:

- ○ New Fastener in Existing or Field Drilled Hole
- ● New Fastener in Shop Drilled Hole - new member to be used for field drilling connections in existing member
- ◌ Existing Fastener to Remain

NOTE:

1. Cost of all structural steel, material, removal of rivets and field drilling shall be included in "Furnishing And Erecting Structural Steel".

REFERENCE DRAWINGS

DRAWING	SHEET NO.
Portal Truss	1931 Shop Drawings, S-17

BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Furnishing And Erecting Structural Steel	Pound	2,160
Structural Steel Removal	Pound	2,160

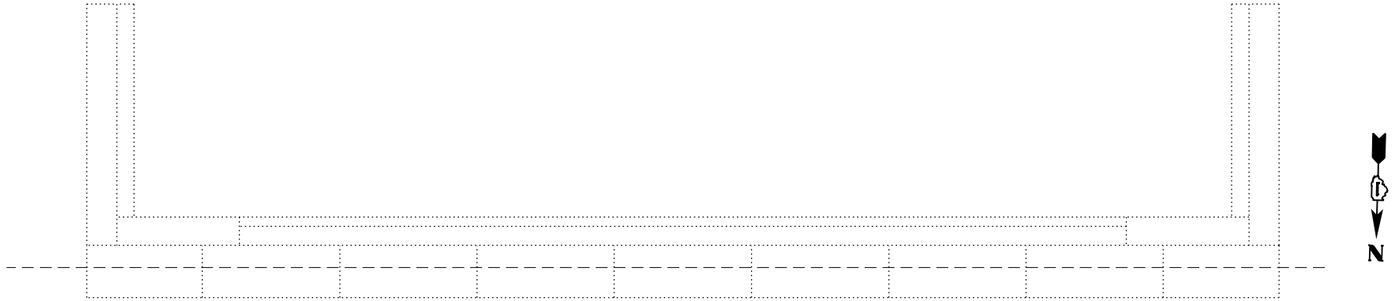
CiorbaGroup
8725 W. Higgins Rd, Ste 600, Chicago, IL 60631
P 773.775.4009 | www.ciorba.com

USER NAME =	DESIGNED - CP	REVISED -	
	CHECKED - BWS	REVISED -	
PLOT SCALE =	DRAWN - CP	REVISED -	
PLOT DATE =	CHECKED - BWS	REVISED -	

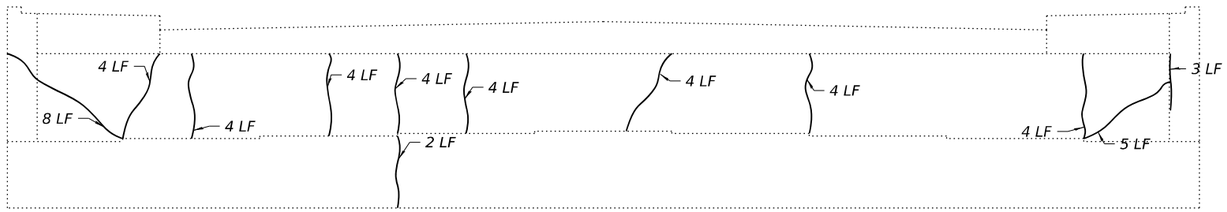
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STEEL REPAIRS (SHEET 8 OF 8)
STRUCTURE NO. 016-0193
SHEET S-27 OF S-33 SHEETS

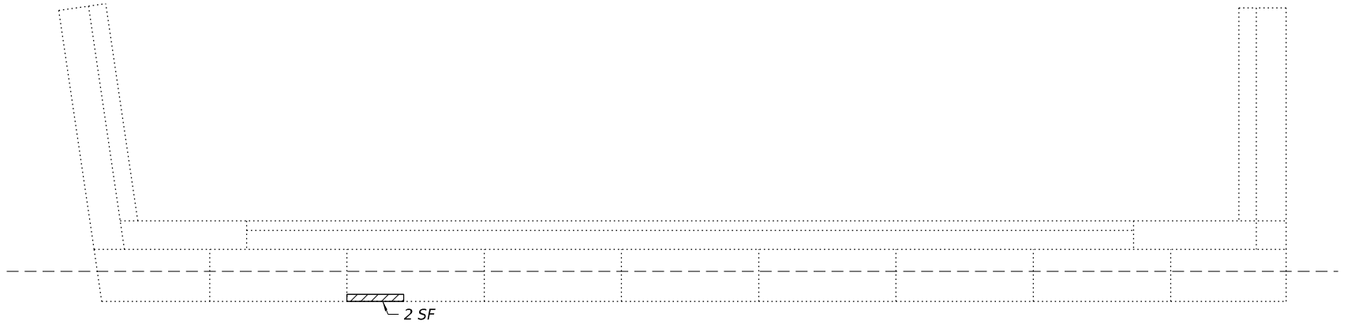
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3730	(K-B-2) BR24	COOK	66	53
		CONTRACT NO. 62X02		
		ILLINOIS	FED. AID PROJECT	



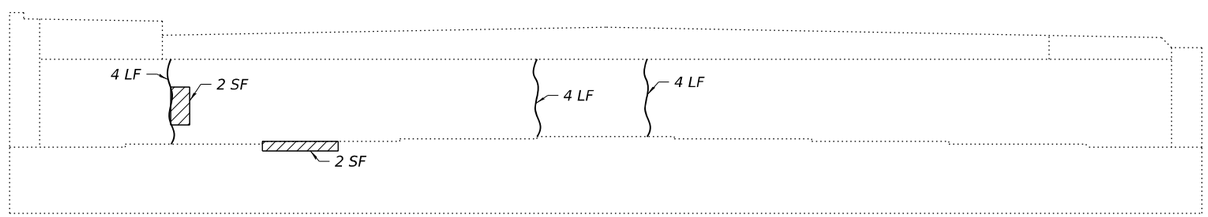
PLAN- SOUTH ABUTMENT



ELEVATION- SOUTH ABUTMENT



PLAN- NORTH ABUTMENT



ELEVATION- NORTH ABUTMENT

NOTES:

1. Quantities and Limits shown are estimate for bidding purpose only. The actual areas to be repaired, and type(S) of repair to be used will be determined by the engineer in the field at the time of inspection.

2. Concrete Sealer is to be applied to the abutments seats, backwall, and the top 3 ft of front face.

BILL OF MATERIAL

Item	Unit	Quantity
Concrete Sealer	Sq Ft	1,246
Epoxy Crack Injection	Foot	62
Structural Repair Of Concrete (Depth Equal To Or Less Than 5 Inches)	Sq Ft	6

LEGEND:

	Structural Repair of Concrete (Depth Equal to or Less than 5 inches)
	Epoxy Crack Injection
SF	Square Foot
LF	Linear Foot

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

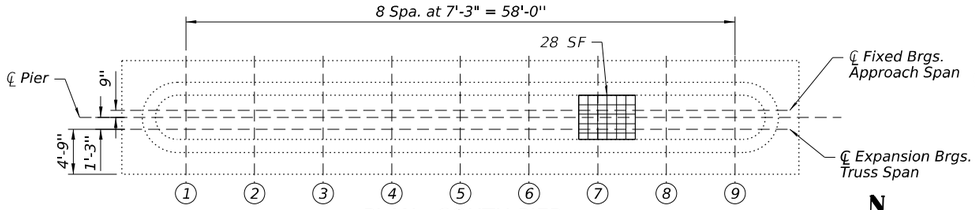
USER NAME =		DESIGNED -	SIK	REVISED -	
		CHECKED -	BWS	REVISED -	
PLOT SCALE =		DRAWN -	SIK	REVISED -	
PLOT DATE =		CHECKED -	BWS	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

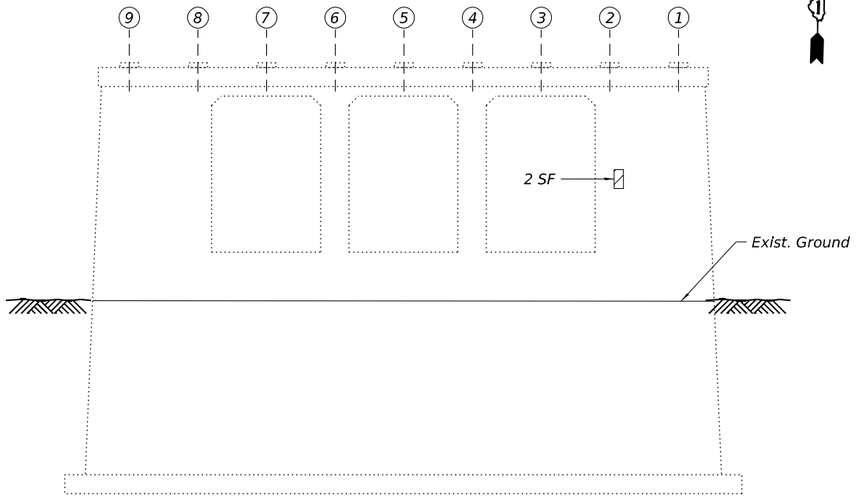
ABUTMENTS REPAIRS
STRUCTURE NO. 016–0193
SHEET S-28 OF S-33 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3730	(K-B-2) BR24	COOK	66	54
		CONTRACT NO. 62X02		
	ILLINOIS	FED. AID PROJECT		

MODEL: sMODELNAMES
FILE NAME: pw:\\ciorba-pw.bentley.com:ciorba-pw-01\Documents\Projects\IL_DOT.D1\0021693.09\CADD\Sht\Structural\016O193-62X02-28-Abutment Repairs.dgn
3/14/2025 12:28:47 PM

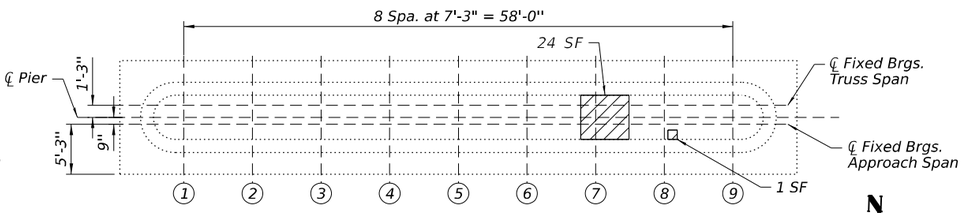


PLAN - SOUTH PIER

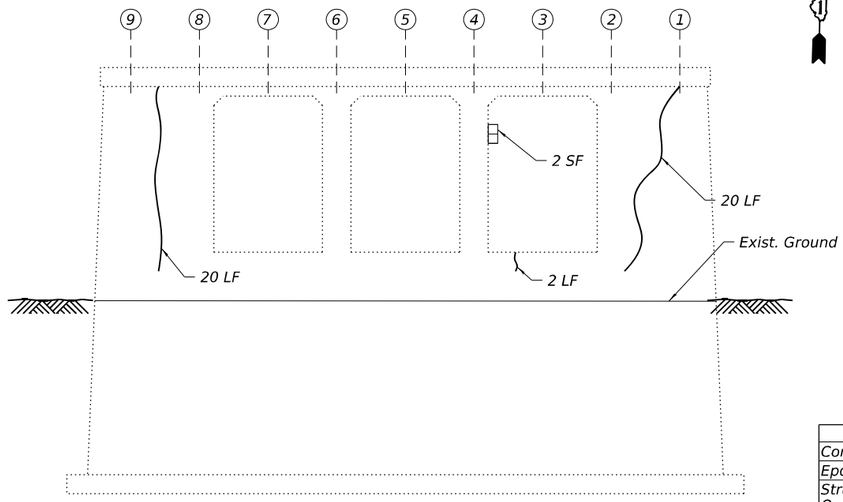


ELEVATION - SOUTH PIER

(Looking South)

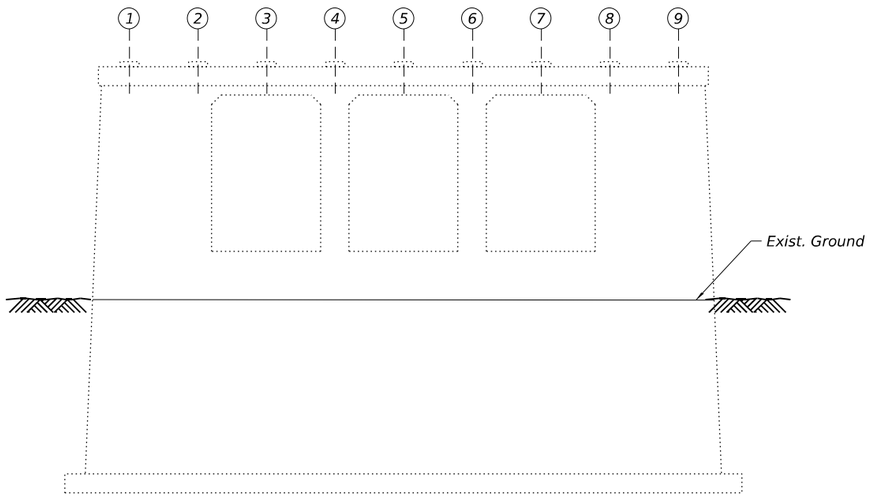


PLAN - NORTH PIER



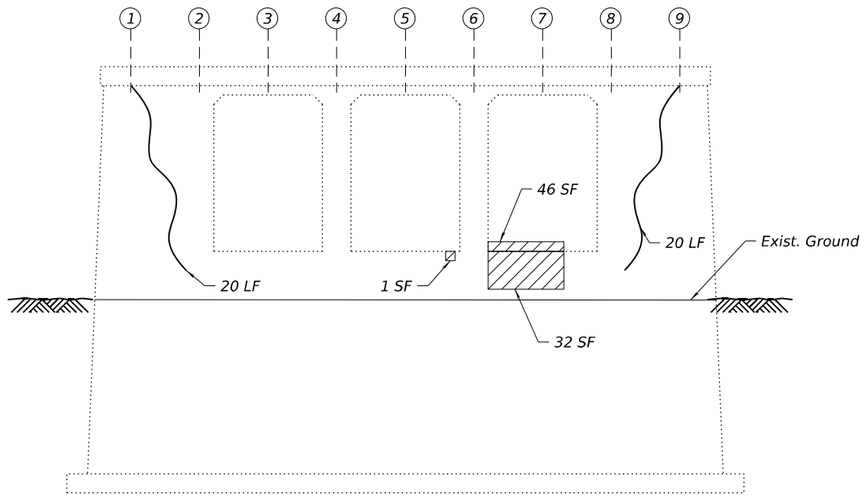
ELEVATION - NORTH PIER

(Looking South)



ELEVATION - SOUTH PIER

(Looking North)



ELEVATION - NORTH PIER

(Looking North)

NOTES:

1. Quantities and Limits shown are estimate for bidding purpose only. The actual areas to be repaired, and type(S) of repair to be used will be determined by the engineer in the field at the time of inspection.

2. Concrete sealer to be applied to top of pier cap and stem to the existing ground elevation.

BILL OF MATERIAL

Item	Unit	Quantity
Concrete Sealer	Sq Ft	4,804
Epoxy Crack Injection	Foot	82
Structural Repair Of Concrete (Depth Equal To Or Less Than 5 Inches)	Sq Ft	106
Structural Repair Of Concrete (Depth Greater Than 5 Inches)	Sq Ft	30

Structural Repair of Concrete (Depth Equal to or Less than 5 inches)

Structural Repair of Concrete (Depth Greater than 5 inches)

Epoxy Crack Injection

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

USER NAME =	DESIGNED - SIK	REVISED -	
	CHECKED - BWS	REVISED -	
PLOT SCALE =	DRAWN - SIK	REVISED -	
PLOT DATE =	CHECKED - BWS	REVISED -	

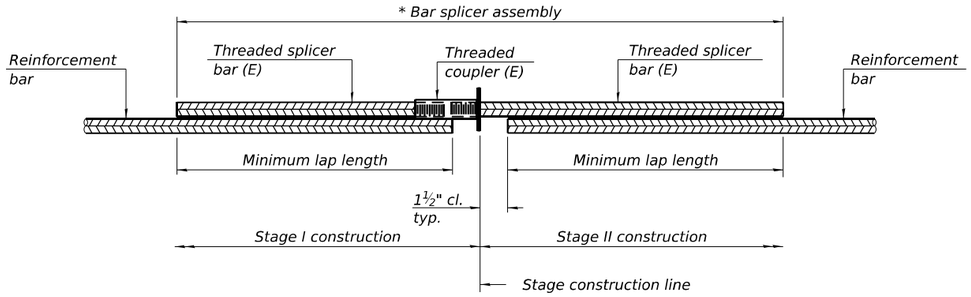
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PIERS REPAIRS
STRUCTURE NO. 016–0193

SHEET S-29 OF S-33 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3730	(K-B-2) BR24	COOK	66	55
		CONTRACT NO. 62X02		
	ILLINOIS	FED. AID PROJECT		

MODEL: SMODELNAMES
FILE NAME: pw:\\ciorba-pw.bentley.com:ciorba-pw-01\Documents\Projects\IL_DOTD1\0021693.09\CADD\Sht\Structural\0166193-62X02-29-Piers Repairs.dgn
3/14/2025 12:28:55 PM



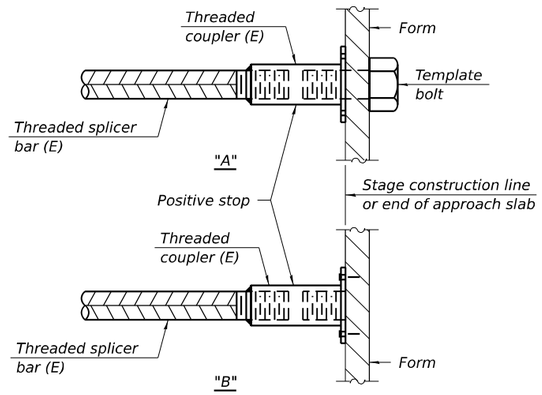
STANDARD BAR SPLICER ASSEMBLY PLAN

Only bar splicer assemblies as presented on the approved QPL list may be used.

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

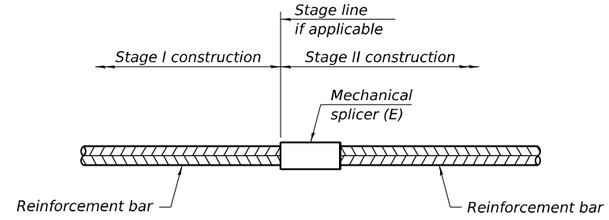
* Epoxy not required on Bar Splicer Assembly components used in conjunction with black bars.

Location	Bar size	No. assemblies required	Minimum lap length
S. Abut. Exp. Jt.	#5	2	3'-6"
S. Abut. Exp. Jt.	#6	8	3'-7"
S. Abut. Exp. Jt.	#7	4	4'-2"
S. Pier Exp. Jt.	#5	16	3'-6"
S. Pier Exp. Jt.	#7	4	4'-2"
N. Pier Exp. Jt.	#5	16	3'-6"
N. Pier Exp. Jt.	#7	4	4'-2"
N. Abut. Exp. Jt.	#5	2	3'-6"
N. Abut. Exp. Jt.	#6	8	3'-7"
N. Abut. Exp. Jt.	#7	4	4'-2"



INSTALLATION AND SETTING METHODS

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



STANDARD MECHANICAL SPLICER

Location	Bar size	No. assemblies required

Notes:
Splicer bars shall be deformed with threaded ends and have a minimum 60 ksi yield strength.
All reinforcement shall be lapped and tied to the splicer bars.
Bar splicer assemblies shall be epoxy coated according to the requirements for reinforcement bars. See Section 508 of the Standard Specifications.
See approved list of bar splicer assemblies and mechanical splicers for alternatives.

BSD-1 5-15-2023

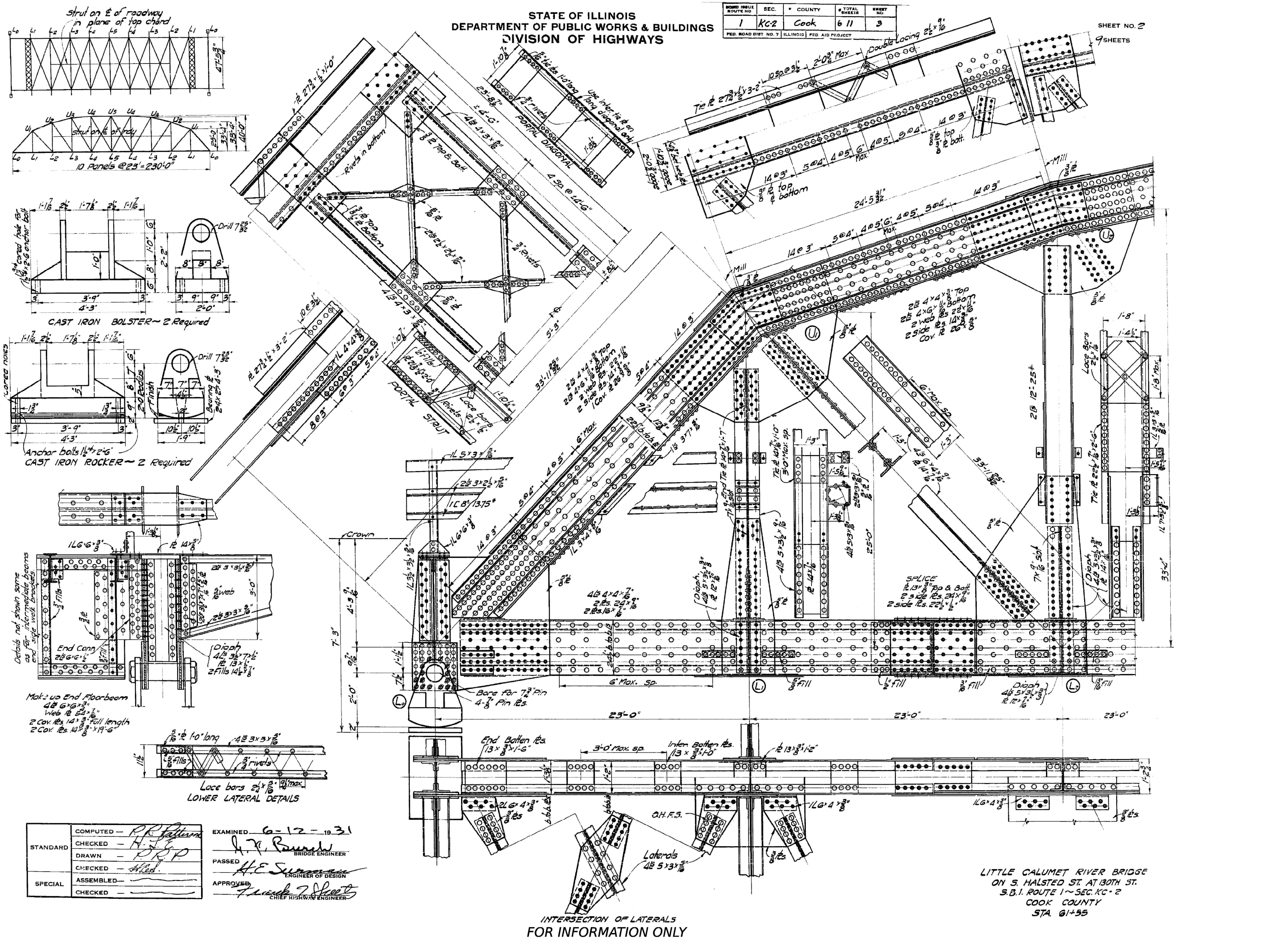
CiorbaGroup
8725 W. Higgins Rd, Ste 600, Chicago, IL 60631
P 773.775.4009 | www.ciorba.com

USER NAME =	DESIGNED - SIK	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
	CHECKED - BWS	REVISED -	
PLOT SCALE =	DRAWN - SIK	REVISED -	
PLOT DATE =	CHECKED - BWS	REVISED -	

BAR SPLICER ASSEMBLY AND MECHANICAL SPLICER DETAILS
STRUCTURE NO. 016–0193
SHEET S-30 OF S-33 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3730	(K-B-2) BR24	COOK	66	56
		CONTRACT NO. 62X02		
	ILLINOIS	FED. AID PROJECT		

MODEL: $MODELNAME$
FILE NAME: pw://ciorba-pw.bentley.com:ciorba-pw-01/Documents/Projects/IL_DOT/D1/0021693.09/CADD/Sht/Structural/0160193-62X02-30-Bar Splicers.dgn
3/14/2025 12:29:02 PM



FOR INFORMATION ONLY

MODEL: $MODELNAME$
FILE NAME: pw://ciorba-pw.bentley.com:ciorba-pw-01/Documents/Projects/IL_DOT/D1/0021693.09/CADD/Sht/Structural/0160193-62X02-31-Existing Truss Details (Sheet 1 of 2).dgn

CiorbaGroup 8725 W. Higgins Rd, Ste 600, Chicago, IL 60631 P 773.775.4009 | www.ciorba.com	USER NAME =	DESIGNED -	REVISED -
		CHECKED - BWS	REVISED -
	PLOT SCALE =	DRAWN -	REVISED -
	PLOT DATE =	CHECKED - BWS	REVISED -

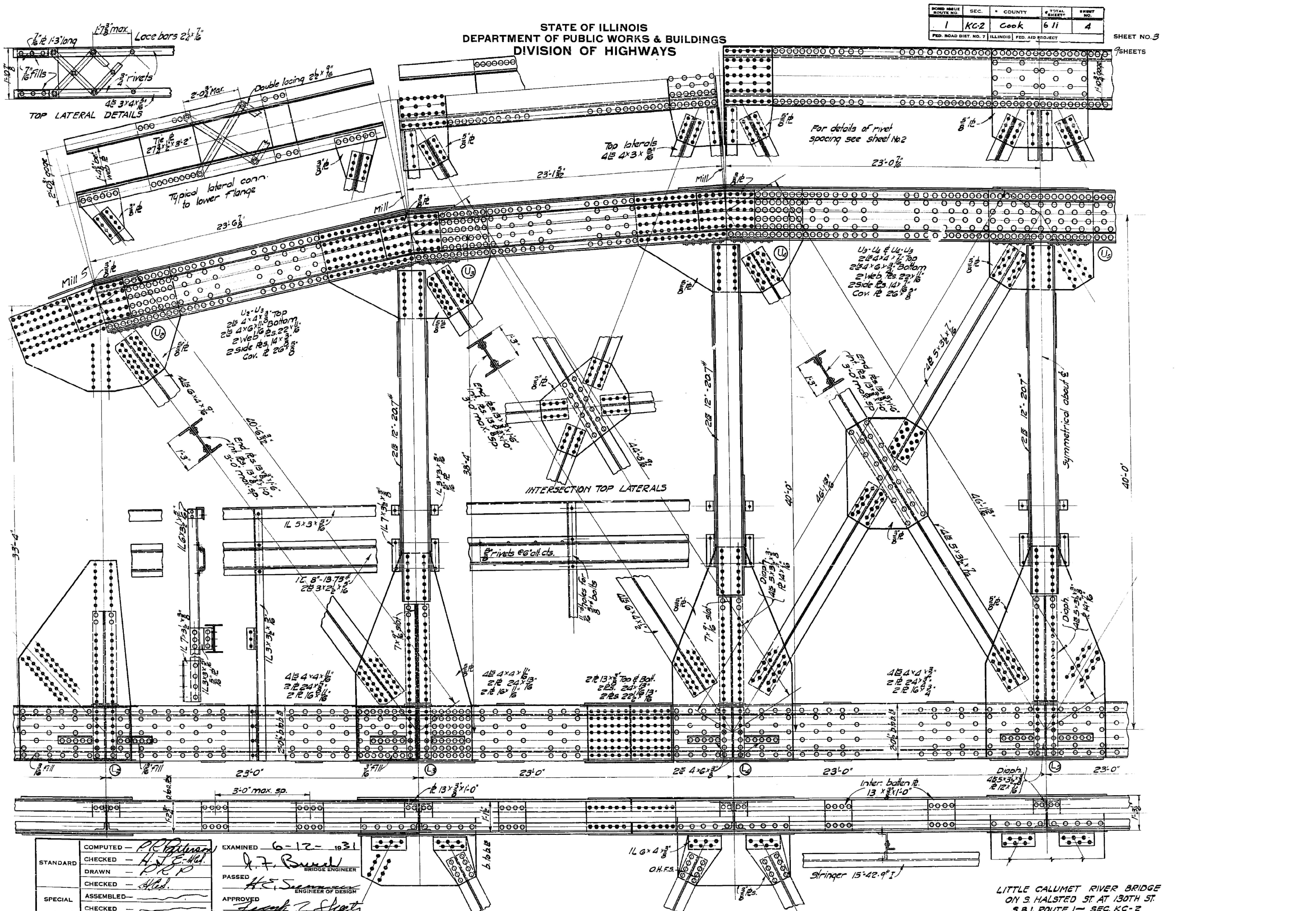
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING TRUSS DETAILS (SHEET 1 OF 2)
STRUCTURE NO. 016–0193

SHEET S-31 OF S-33 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3730	(K-B-2) BR24	COOK	66	57
		CONTRACT NO. 62X02		
	ILLINOIS	FED. AID PROJECT		

3/14/2025 12:29:09 PM



FOR INFORMATION ONLY

USER NAME =		DESIGNED -		REVISED -	
		CHECKED -	BWS	REVISED -	
PLOT SCALE =		DRAWN -		REVISED -	
PLOT DATE =		CHECKED -	BWS	REVISED -	

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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING TRUSS DETAILS (SHEET 2 OF 2)
STRUCTURE NO. 016-0193

SHEET S-32 OF S-33 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3730	(K-B-2) BR24	COOK	66	58
		CONTRACT NO. 62X02		
		ILLINOIS FED. AID PROJECT		

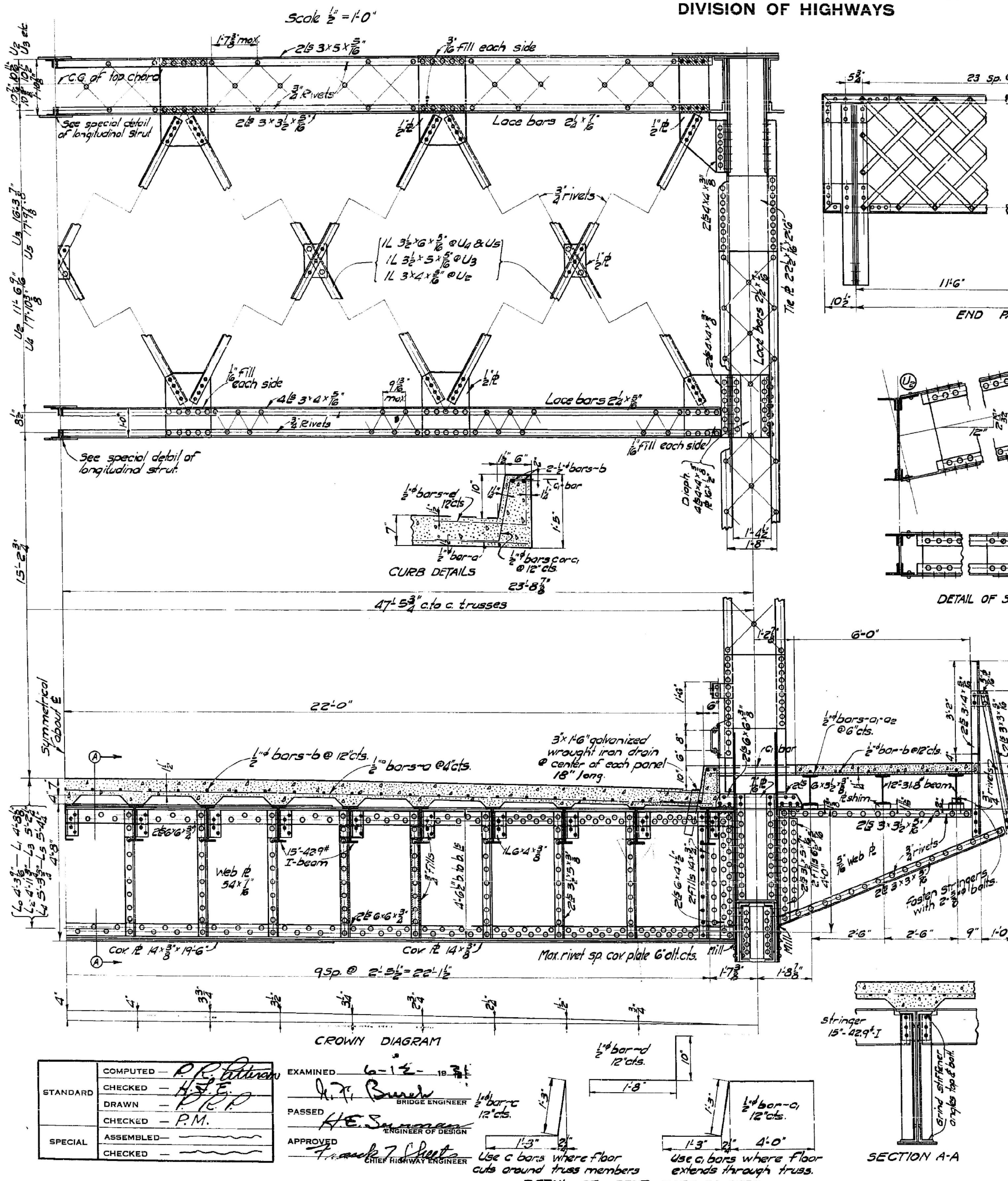
MODEL: $MODELNAME$
FILE NAME: pw://ciorba-pw.bentley.com:ciorba-pw-01/Documents/Projects/IL_DOT/D1/0021693.09/CADD/Sht/Structural/0160193-62X02-32-Existing Truss Details (Sheet 2 of 2).dgn

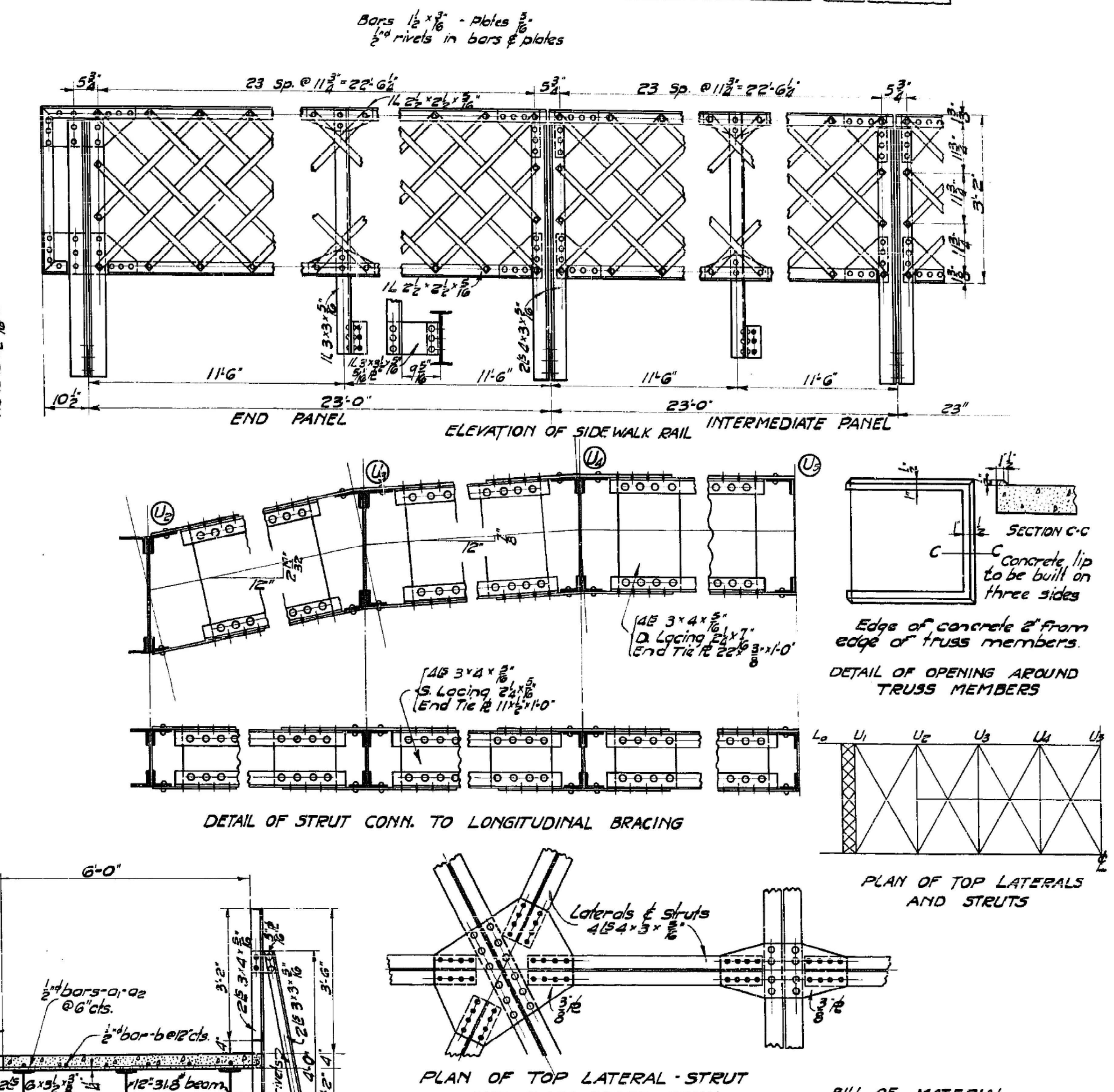
3/14/2025 12:29:20 PM

STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

BOND ISSUE ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
1	KC-2	Cook	6 11	5
FED ROAD DIST NO 7	ILLINOIS	FED AID PROJECT		

SHEET NO. 4
9 SHEETS





~ GENERAL NOTES ~

Rivets 7/8" except as noted.

Holes punched 15/16" except as noted and except as follows – all main truss connections both shop & field shall be sub-punched 11/16" and reamed 15/16" with members assembled.

Each truss shall be assembled complete for reaming.

Floorbeam & sidewalk bracket connections shall be reamed to a hardened steel template 1" thick.

Holes may be punched full size for building up members & in conn. on portals sway bracing, laterals, stringers & hand rail.

Field connections shall be match marked while assembled.

Inspection by Illinois Division of Highways before painting.

[redacted]

Concrete floor & sidewalks to be given a smooth finish according to specification for finishing floor slabs on concrete bridges.

BILL OF MATERIAL

Bar	No	Size	Length
a	1392	1/2"ϕ	23'-6"
a1	760	1/2"ϕ	9'-0"
a2	168	"	6'-0"
b	549	1/2"ϕ	27'-6"
c	84	"	2'-6"
c1	380	"	6'-6"
d	464	"	2'-6"
Reinforcing Steel ~ Lbs. 45700			
Concrete ~ Cu. Yds. 309.6			
Structural Steel ~ Lbs. 1075370			
C.I. Rockers & Bolsters ~ Lbs. 13010			

Use class X concrete throughout.

LITTLE CALUMET RIVER BRIDGE
ON S. HALSTED ST. AT 130TH ST.
S.B.I. ROUTE 1 — SEC. KC-2
COOK COUNTY
STA. 61+55

STANDARD	COMPUTED — P.R.P.	EXAMINED 6-1-2-193_
	CHECKED — H.F.E.	BRIDGE ENGINEER
	DRAWN — P.R.P.	PASSED — ENGINEER OF DESIGN
	CHECKED — P.M.	APPROVED — CHIEF HIGHWAY ENGINEER
SPECIAL	ASSEMBLED —	
	CHECKED —	

FOR INFORMATION ONLY

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

USER NAME =	DESIGNED -	REVISED -
	CHECKED - BWS	REVISED -
PLOT SCALE =	DRAWN -	REVISED -
PLOT DATE =	CHECKED - BWS	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

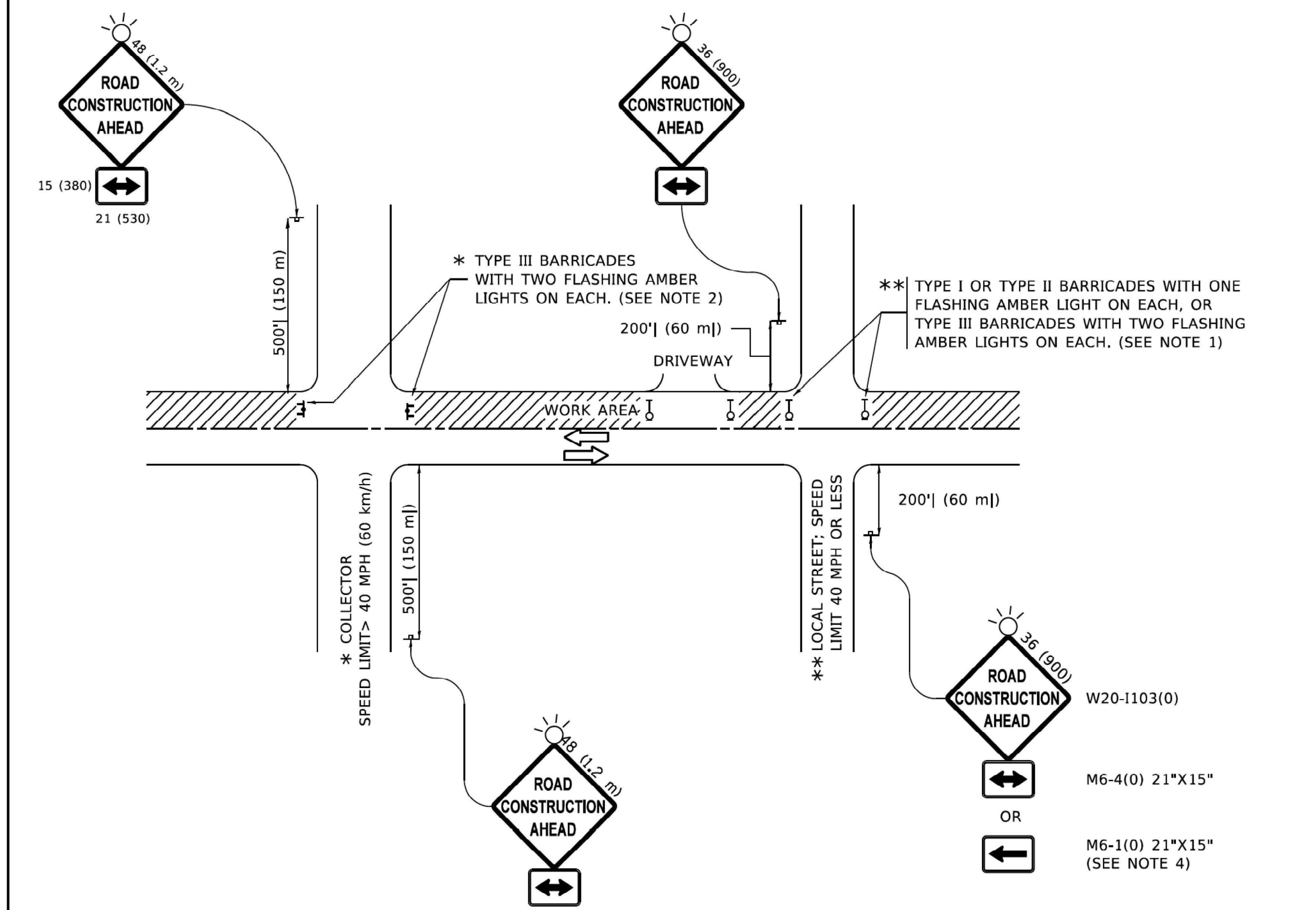
EXISTING FLOOR BEAM
STRUCTURE NO. 016–0193

SHEET S-33 OF S-33 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3730	(K-B-2) BR24	COOK	66	59
		CONTRACT NO. 62X02		
		ILLINOIS	FED. AID PROJECT	

MODEL: $MODELNAME$
FILE NAME: pw://ciorba-pw.bentley.com:ciorba-pw-01/Documents/Projects/IL_DOT/D1/0021693.09/CADD/Sht/Structural/0160193-62X02-33-Existing Floor Beam.dgn

3/14/2025 12:29:30 PM



NOTES:

1. SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
   a) ONE "ROAD CONSTRUCTION AHEAD" SIGN 36 x 36 (900x900) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
   b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
   a) ONE "ROAD CONSTRUCTION AHEAD" SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
   b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
3. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.
4. WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).
5. WHEN WORK IS BEING PERFORMED ON A SIDE ROAD OR DRIVEWAY, FOLLOW THE APPLICABLE STANDARD(S). THE DIRECTIONAL ARROW (M6-1 OR M6-4) SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE TRAFFIC CONTROL SET-UP.
6. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAYS UNLESS OTHERWISE SPECIFIED IN THE PLANS OR BY THE ENGINEER.
7. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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

MODEL: Default
FILE NAME: pw:\\illdot-pw.bentley.com:PWIDOT\Documents\IDOT Offices\District 1\Projects\Dist5td22x34\CADData\CADsheets\tc10.dgn

USER NAME = Lawrence.DeManche	DESIGNED - L.H.A.	REVISED - T. RAMMACHER 01-06-00	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
	DRAWN -	REVISED - A. SCHUETZE 07-01-13	
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED - A. SCHUETZE 09-15-16	
PLOT DATE = 5/3/2024	DATE - 06-89	REVISED - D. SENDERAK 05-03-24	

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

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TC-10		CONTRACT NO.		
ILLINOIS	FED. AID PROJECT			

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

USER NAME =	DESIGNED - TBH	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
	CHECKED - TBH	REVISED -	
PLOT SCALE =	DRAWN - JM	REVISED -	
PLOT DATE =	CHECKED -	REVISED -	

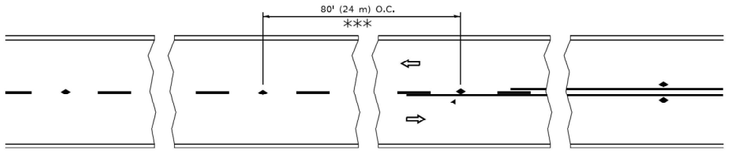
IL RTE 1 (HALSTED AVE.)
DISTRICT ONE STANDARD DETAILS

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3730	(K-B-2) BR24	COOK	66	60
TC-10		CONTRACT NO. 62X02		
ILLINOIS	FED. AID PROJECT			

MODEL: $MODELNAME$
FILE NAME: pw://ciorba-pw.bentley.com:ciorba-pw-01/Documents/Projects/IL_DOT/D1/0021693.09/CADD/Sht/Details/0021693.09-DET00.dgn

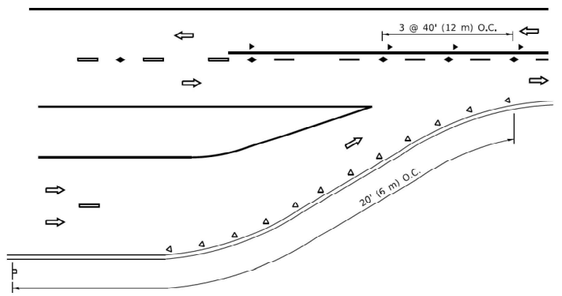
3/14/2025 11:47:17 AM



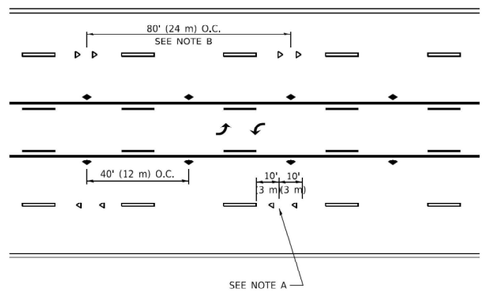
*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

TWO–LANE/TWO–WAY

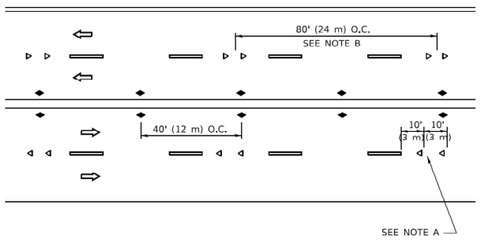
SEE FIGURE 3B-14 MUTCD



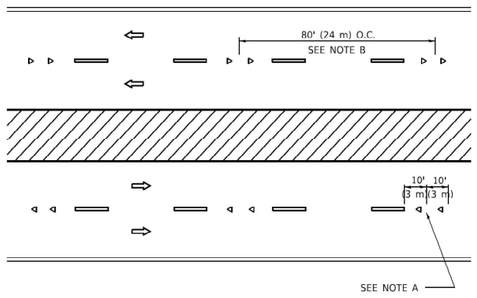
LANE REDUCTION TRANSITION



TWO–WAY LEFT TURN



MULTI–LANE/UNDIVIDED



MULTI–LANE/DIVIDED

GENERAL NOTES

1. MARKERS USED WITH DASHED LINES SHALL BE CENTERED IN THE GAP BETWEEN SEGMENTS.
2. MARKERS USED ADJACENT TO SOLID LINES SHALL BE OFFSET 2 TO 3 (50 TO 75) TOWARD TRAFFIC AS SHOWN.
3. MARKERS THROUGH TANGENTS LESS THAN 500' (150 m) IN LENGTH BETWEEN CURVES SHALL BE INSTALLED AT THE LESSER OF THE TWO CURVE SPACINGS.
4. MARKERS ARE TO BE USED ADJACENT TO BOTH SOLID WHITE LINES IN DUAL LEFT TURN LANES

SYMBOLS

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

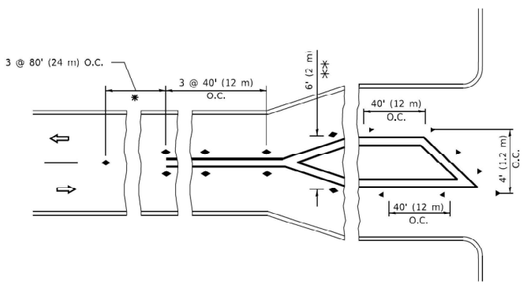
LANE MARKER NOTES

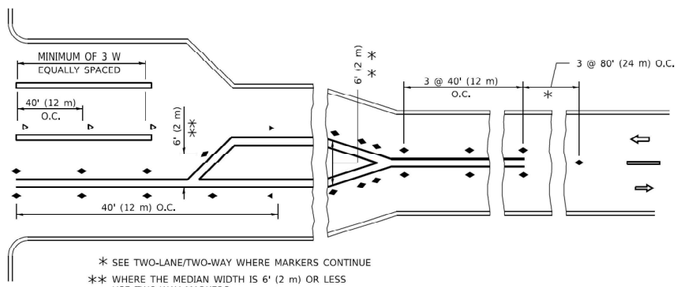
A. USE DOUBLE LANE LINE MARKERS SPACED AS SHOWN.

B. REDUCE TO 40' (12 m) O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 10 M.P.H (20 km/h) LOWER THAN POSTED SPEEDS.

DESIGN NOTES

1. DOUBLE LANE LINE MARKERS SHALL BE USED UNLESS SPECIFIED OTHERWISE.
2. EXCEPT AS SHOWN ON THE LANE REDUCTION TRANSITION AND FREEWAY EXIT RAMP DETAIL, MARKERS ARE NOT TO BE SPECIFIED ON RIGHT EDGE LINES.
3. THE EXACT MARKER LIMITS, SPACING, AND COLOR SHALL BE INCLUDED IN THE PLANS WHEN STANDARD SPECIFICATIONS ARE NOT BEING USED.
4. MARKERS SHOULD NOT BE USED ALONGSIDE CURBS EXCEPT FOR EXTREMELY SHORT SECTIONS OF CURBS WHERE NOT MORE THAN TWO MARKERS WOULD BE INVOLVED.





* SEE TWO-LANE/TWO-WAY WHERE MARKERS CONTINUE

** WHERE THE MEDIAN WIDTH IS 6' (2 m) OR LESS USE TWO-WAY MARKERS.

TURN LANES

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

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. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TC-11		CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			

MODEL: Default
FILE NAME: pw://ciorba-pw.bentley.com:ciorba-pw-01/Documents/Projects/IL_DOT/D1/302.1693.09/CADD/Sht/Details/002.1693.09-DET01.dgn

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

USER NAME =	DESIGNED - TBH	REVISED -
	CHECKED - TBH	REVISED -
PLOT SCALE =	DRAWN - JM	REVISED -
PLOT DATE =	CHECKED -	REVISED -

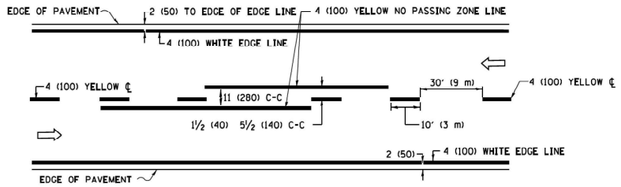
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL RTE 1 (HALSTED AVE.)
DISTRICT ONE STANDARD DETAILS

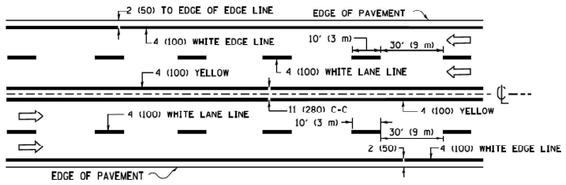
SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3730	(K-B-2) BR24	COOK	66	61
	TC-11	CONTRACT NO. 62X02		
	ILLINOIS FED. AID PROJECT			

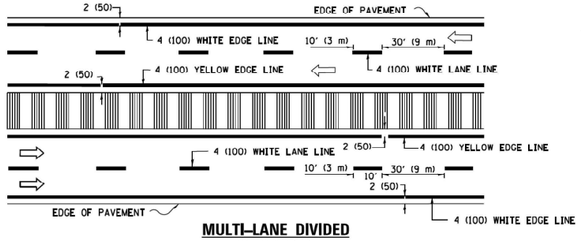
3/14/2025 11:47:27 AM



2–LANE ROADWAY

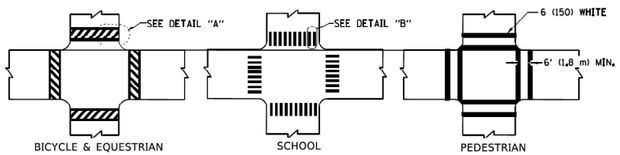


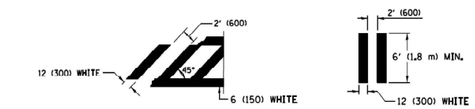
MULTI–LANE UNDIVIDED



MULTI–LANE DIVIDED
WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING

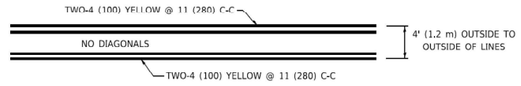




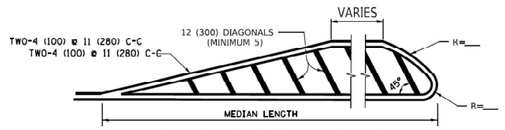
DETAIL "A" **DETAIL "B"**

TYPICAL CROSSWALK MARKING

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



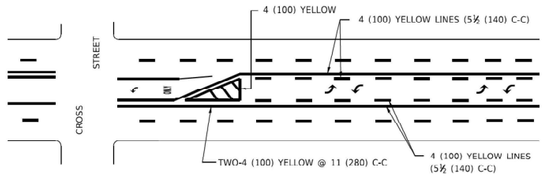
4' (1.2 m) WIDE MEDIANS ONLY



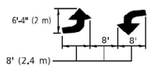
FOR MEDIAN LENGTHS WHERE DIAGONAL SPACING CANNOT BE ATTAINED, USE 5 (FIVE) EQUALLY SPACED DIAGONAL LINES.

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

MEDIANS OVER 4' (1.2 m) WIDE

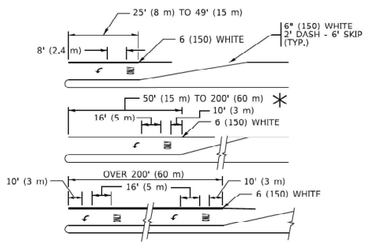


A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED. WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



MEDIAN WITH TWO–WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING

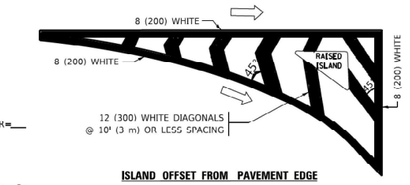


FULL SIZE LETTERS 8' (2,4 m) AND ARROWS SHALL BE USED.
AREA = 15.6 SQ. FT. (1.5 m²) **ONLY** AREA = 20.8 SQ. FT. (1.9 m²)

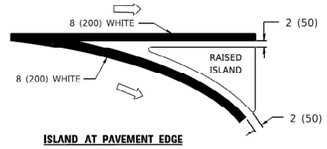
✱ TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING

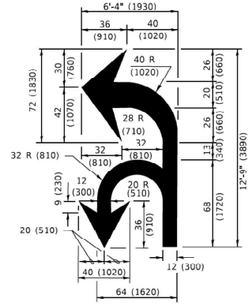


ISLAND OFFSET FROM PAVEMENT EDGE

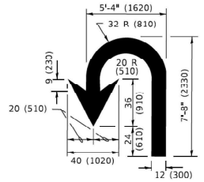


ISLAND AT PAVEMENT EDGE

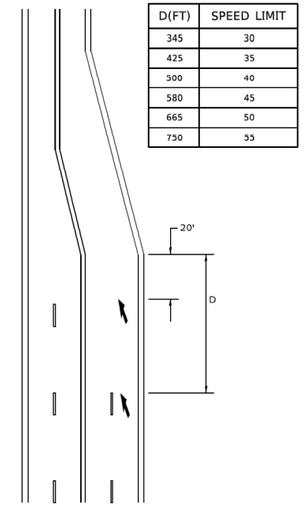
TYPICAL ISLAND MARKING



COMBINATION LEFT AND U–TURN



U–TURN



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

LANE REDUCTION TRANSITION

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

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5½ (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MEDIANS IN YELLOW
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2,4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5½ (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT, PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW: TWO WAY TRAFFIC WHITE: ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h)) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES; "RR" IS 6' (1.8 m) LETTERS: 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SQ. FT. (0.33 m² EACH "X"=54.0 SQ. FT. (5.0 m²
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.

USER NAME = footemj	DESIGNED - EVERS	REVISED - C. JUCIUS 09-09-09	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT ONE TYPICAL PAVEMENT MARKINGS
	DRAWN -	REVISED - C. JUCIUS 07-01-13		
PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED - C. JUCIUS 12-21-15		SCALE: NONE SHEET 1 OF 2 SHEETS STA. TO STA.
PLOT DATE = 3/4/2019	DATE - 03-19-90	REVISED - C. JUCIUS 04-12-16		

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	TC–13	CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			

MODEL: Default
FILE NAME: pw://ciorba-pw.bentley.com:ciorba-pw-01/Documents/Projects/IL_DOT/D1/202 1693.09/CADD/Sht/Details/002 1693.09-DET02.dgn

CiorbaGroup 8725 W. Higgins Rd, Ste 600, Chicago, IL 60631 P 773.775.4009 | www.ciorba.com	USER NAME =	DESIGNED - TBH	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
		CHECKED - TBH	REVISED -	
	PLOT SCALE =	DRAWN - JM	REVISED -	IL RTE 1 (HALSTED AVE.) DISTRICT ONE STANDARD DETAILS
	PLOT DATE =	CHECKED -	REVISED -	SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3730	(K-B-2) BR24	COOK	66	62
	TC–13	CONTRACT NO. 62X02		
	ILLINOIS FED. AID PROJECT			

3/14/2025 11:47:37 AM

TURN BAY ENTRANCE AT START OF LANE CLOSURE TAPER

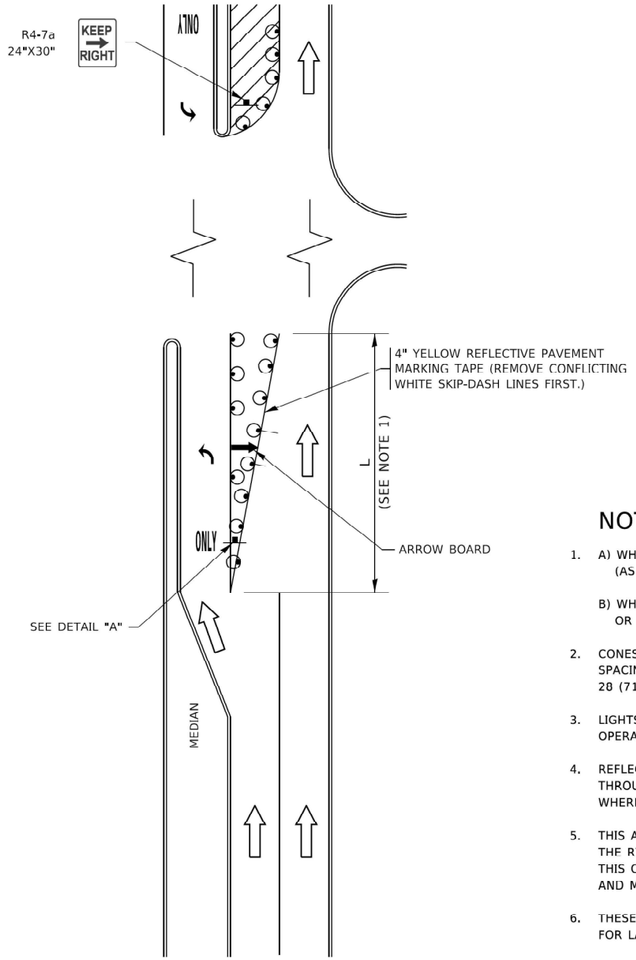


FIGURE 1

LEGEND

- WORK AREA
- LANE OPEN TO TRAFFIC
- ARROW BOARD
- TYPE I OR II BARRICADE OR DRUM WITH STEADY BURN LIGHT
- DRUM WITH STEADY BURN LIGHT
- SIGN ASSEMBLY
- TYPE I OR II CHECK BARRICADE WITH FLASHING LIGHT

NOTES:

1. A) WHEN "L" IS ≤ THE STORAGE LENGTH OF THE TURN LANE (AS SHOWN IN FIG. 1), USE FIGURE 1.

   B) WHEN "L" IS > THE STORAGE LENGTH OF THE TURN LANE OR THE TURN LANE IS WITHIN THE LANE CLOSURE, USE FIGURE 2.

2. 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.

3. LIGHTS WILL NOT BE REQUIRED ON BARRICADES OR DRUMS FOR DAY OPERATIONS. ALL LIGHTS SHALL BE MONODIRECTIONAL.

4. REFLECTIVE TEMPORARY PAVEMENT MARKINGS SHALL BE PLACED THROUGHOUT THE BARRICADED AREAS OF EACH TURN BAY AS SHOWN WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN (14) DAYS.

5. THIS APPLICATION ALSO APPLIES WHEN WORK IS BEING PERFORMED IN THE RIGHT LANE(S) AND THE RIGHT TURN BAY IS TO REMAIN OPEN. UNDER THIS CONDITION, "RIGHT TURN LANE" R3-I100R 24 x 24 (600 x 600) AND M6-2R 21 x 15 (530 x 380) SHALL BE USED.

6. THESE CONTROLS SHALL SUPPLEMENT MAINLINE TRAFFIC CONTROL FOR LANE CLOSURES.

7. THE SIGNS SHALL BE MOUNTED ABOVE THE BARRICADES/DRUMS ON SEPARATE SIGN SUPPORTS THAT MEET NCHRP 350 OR MASH PREQUIREMENTS.

8. TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

TURN BAY ENTRANCE WITHIN A LANE CLOSURE

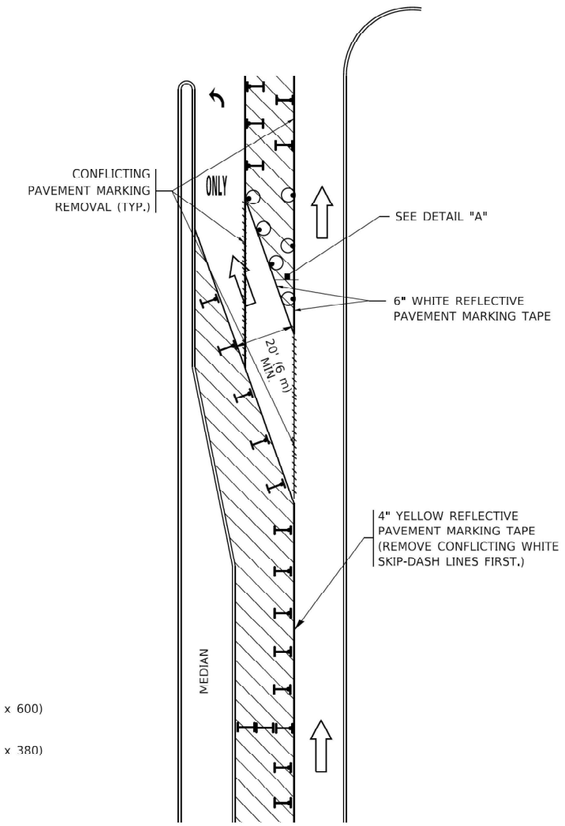
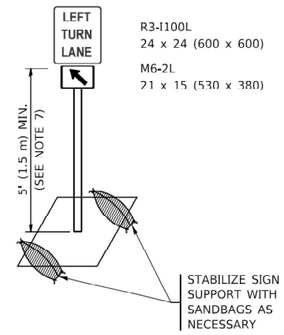


FIGURE 2



DETAIL A

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

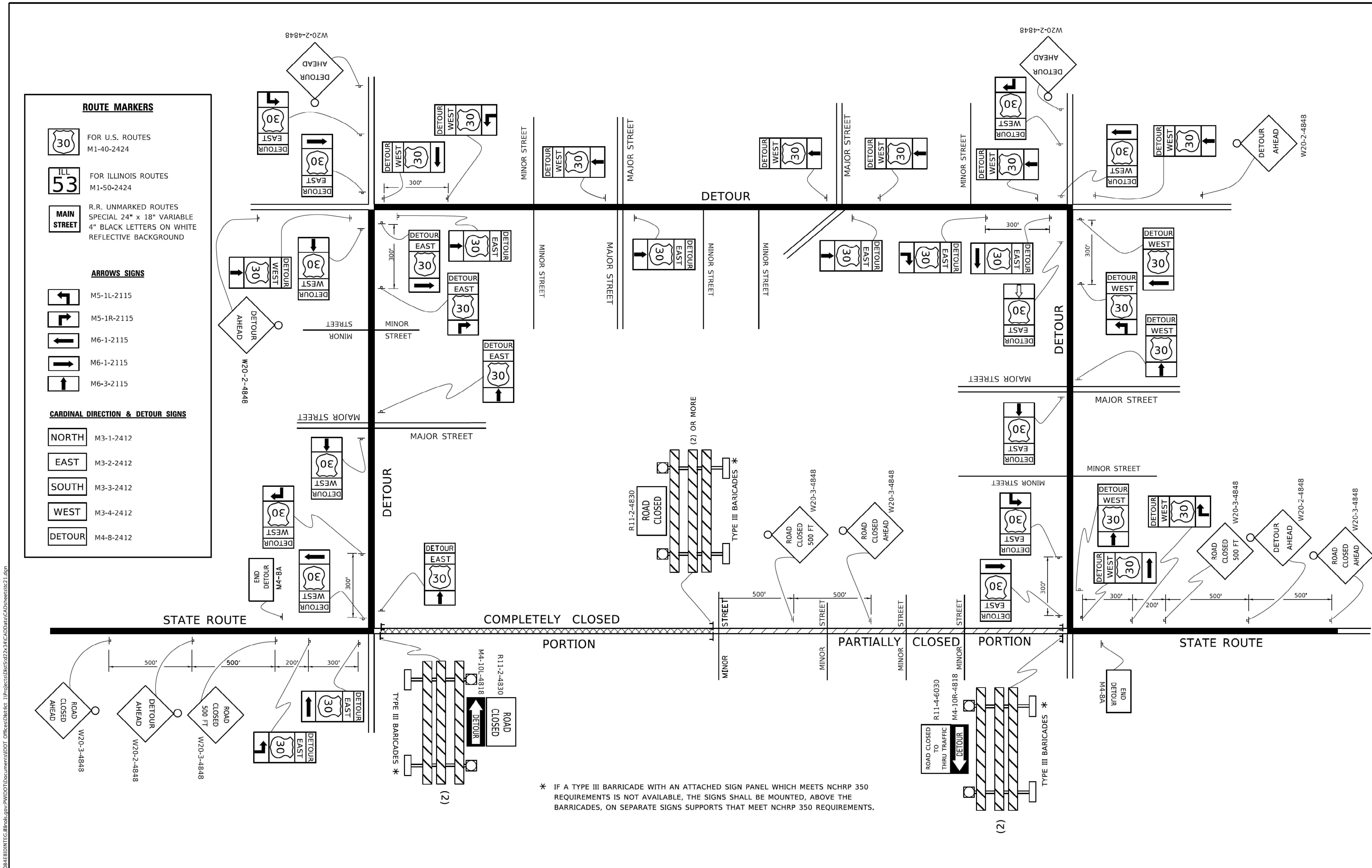
USER NAME = footemj	DESIGNED - T. RAMMACHER 09-08-94	REVISED - R. BORO 09-14-09	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC)	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN - A. HOUSEH 11-07-95	REVISED - A. SCHUETZE 07-01-13							
PLOT SCALE = 50.0000 ' / in.	CHECKED - A. HOUSEH 10-12-96	REVISED - A. SCHUETZE 09-15-16				TC-14	CONTRACT NO.		
PLOT DATE = 3/4/2019	DATE - T. RAMMACHER 01-06-00	REVISED -		SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.			ILLINOIS	FED. AID PROJECT	

MODEL: Default
FILE NAME: pw://Documents/Projects/IL_DOT/D1/2021693.09/CADD/Shr/Details/002 693 09-DET03.dgn

CiorbaGroup 8725 W. Higgins Rd, Ste 600, Chicago, IL 60631 P 773.775.4009 | www.ciorba.com	USER NAME =	DESIGNED - TBH	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL RTE 1 (HALSTED AVE.) DISTRICT ONE STANDARD DETAILS	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		CHECKED - TBH	REVISED -			3730	(K-B-2) BR24	COOK	66	63
	PLOT SCALE =	DRAWN - JM	REVISED -				TC-14	CONTRACT NO.		62X02
	PLOT DATE =	CHECKED -	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.			ILLINOIS	FED. AID PROJECT	

MODEL: $MODELNAME$
FILE NAME: pw://ciorba-pw.bentley.com:ciorba-pw-01/Documents/Projects/IL_DOT/D1/2021693.09/CADD/Shr/Details/002 693 09-DET03.dgn

3/14/2025 11:47:49 AM



* IF A TYPE III BARRICADE WITH AN ATTACHED SIGN PANEL WHICH MEETS NCHRP 350 REQUIREMENTS IS NOT AVAILABLE, THE SIGNS SHALL BE MOUNTED, ABOVE THE BARRICADES, ON SEPARATE SIGNS SUPPORTS THAT MEET NCHRP 350 REQUIREMENTS.

USER NAME = footemj	DESIGNED -	REVISED - 10-18-02	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
	DRAWN -	REVISED - R. BORO 09-14-09	
PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 3/4/2019	DATE -	REVISED -	

DETOUR SIGNING FOR CLOSING STATE HIGHWAYS

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.

TC-21 | CONTRACT NO. | ILLINOIS FED. AID PROJECT

MODEL: Default
FILE NAME: pw:\\IL084EBSDINTEG.illinois.gov:PWIDOT\Documents\IDOT Offices\District 1\Projects\DistStd\22x34\CADData\CADSheet\tc21.dgn

MODEL: $MODELNAME$
FILE NAME: pw://ciorba-pw.bentley.com:ciorba-pw-01/Documents/Projects/IL_DOT/D1/0021693.09/CADD/Sht/Details/0021693.09-DET04.dgn

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

USER NAME =	DESIGNED - TBH	REVISED -
	CHECKED - TBH	REVISED -
PLOT SCALE =	DRAWN - JM	REVISED -
PLOT DATE =	CHECKED -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

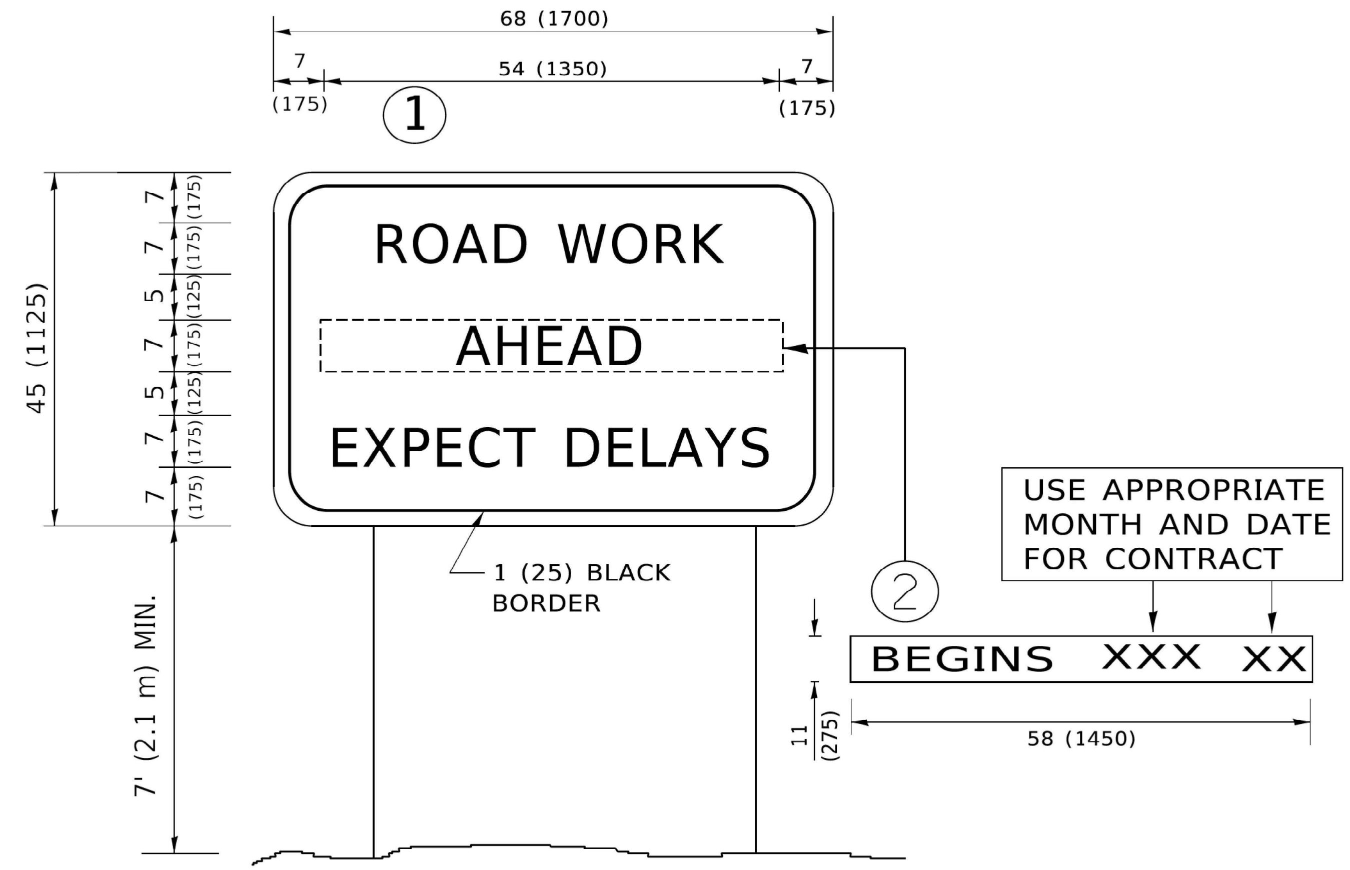
IL RTE 1 (HALSTED AVE.)
DISTRICT ONE STANDARD DETAILS

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3730	(K-B-2) BR24	COOK	66	64

TC-21 | CONTRACT NO. 62X02 | ILLINOIS FED. AID PROJECT

3/14/2025 11:47:58 AM



NOTES:

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

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

USER NAME = footemj	DESIGNED -	REVISED - R. MIRS 09-15-97	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
	DRAWN -	REVISED - R. MIRS 12-11-97	
PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED - T. RAMMACHER 02-02-99	
PLOT DATE = 3/4/2019	DATE -	REVISED - C. JUCIUS 01-31-07	

ARTERIAL ROAD INFORMATION SIGN

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.

TC-22 | CONTRACT NO. | ILLINOIS | FED. AID PROJECT

MODEL: $MODELNAME$
FILE NAME: pw://ciorba-pw.bentley.com:ciorba-pw-01/Documents/Projects/IL_DOT/D1/0021693.09/CADD/Sht/Details/0021693.09-DET05.dgn

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

USER NAME =	DESIGNED - TBH	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
	CHECKED - TBH	REVISED -	
PLOT SCALE =	DRAWN - JM	REVISED -	
PLOT DATE =	CHECKED -	REVISED -	

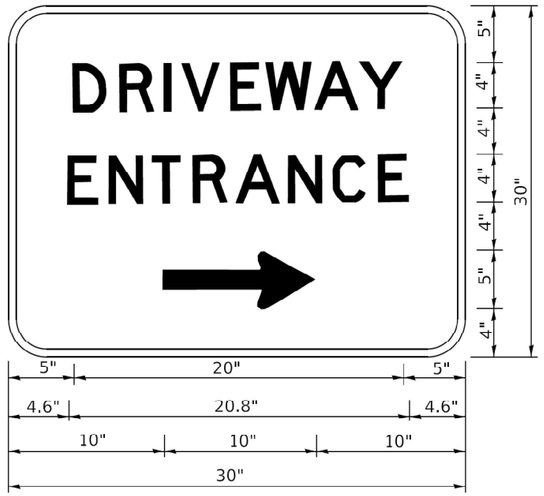
IL RTE 1 (HALSTED AVE.)
DISTRICT ONE STANDARD DETAILS

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3730	(K-B-2) BR24	COOK	66	65

TC-22 | CONTRACT NO. 62X02 | ILLINOIS | FED. AID PROJECT

3/14/2025 11:48:11 AM



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: DirectX
FILE NAME: pw://ciorba-pw.bentley.com:ciorba-pw-01/Documents/Projects/IL_DOT/D1/1002.1693.09/CADD/Shts/Details/002.1693.09-DET06.dgn

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. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	TC-26	CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			

MODEL: $WORKSETNAME$
FILE NAME: pw://ciorba-pw.bentley.com:ciorba-pw-01/Documents/Projects/IL_DOT/D1/1002.1693.09/CADD/Shts/Details/002.1693.09-DET06.dgn

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

USER NAME =	DESIGNED - TBH	REVISED -	
	CHECKED - TBH	REVISED -	
PLOT SCALE =	DRAWN - JM	REVISED -	
PLOT DATE =	CHECKED -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL RTE 1 (HALSTED AVE.)
DISTRICT ONE STANDARD DETAILS

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3730	(K-B-2) BR24	COOK	66	66
	TC-26	CONTRACT NO.	62X02	
	ILLINOIS FED. AID PROJECT			

3/14/2025 11:48:22 AM