

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS
**PROPOSED
 HIGHWAY PLANS**
 F.A.I. 94 (INTERSTATE 94)
 AT FAU 1366 (MONTROSE AVENUE)
 SECTION 267-0101.3-B-R
 PROJECT: NHPP-XG1Q(992)
 BRIDGE SUPERSTRUCTURE, LIGHTING
 COOK COUNTY
 C-91-090-18

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	267-0101.3-B-R	COOK	120	1
FED. ROAD DIST. NO. 1		ILLINOIS CONTRACT NO. 62F95		

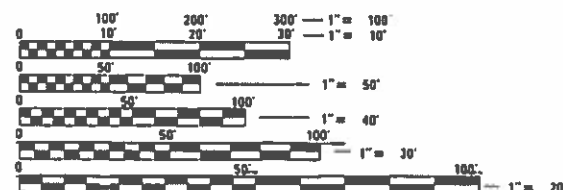
D-91-229-18



LOCATION OF SECTION INDICATED THUS: -

MONTROSE AVENUE
 ADT (2013) = 21,200
 ADT (2040) = 19,000
 DESIGN SPEED = 30 MPH
 POSTED SPEED = 30 MPH
 DESIGN DESIGNATION - MAJOR COLLECTOR
FAI 9094
 ADT (2017) = 285,000
 ADT (2032) = 336,192
 DESIGN SPEED = 55 MPH
 POSTED SPEED = 55 MPH
 DESIGN DESIGNATION - INTERSTATE

PROJECT LOCATED IN
 THE CITY OF CHICAGO

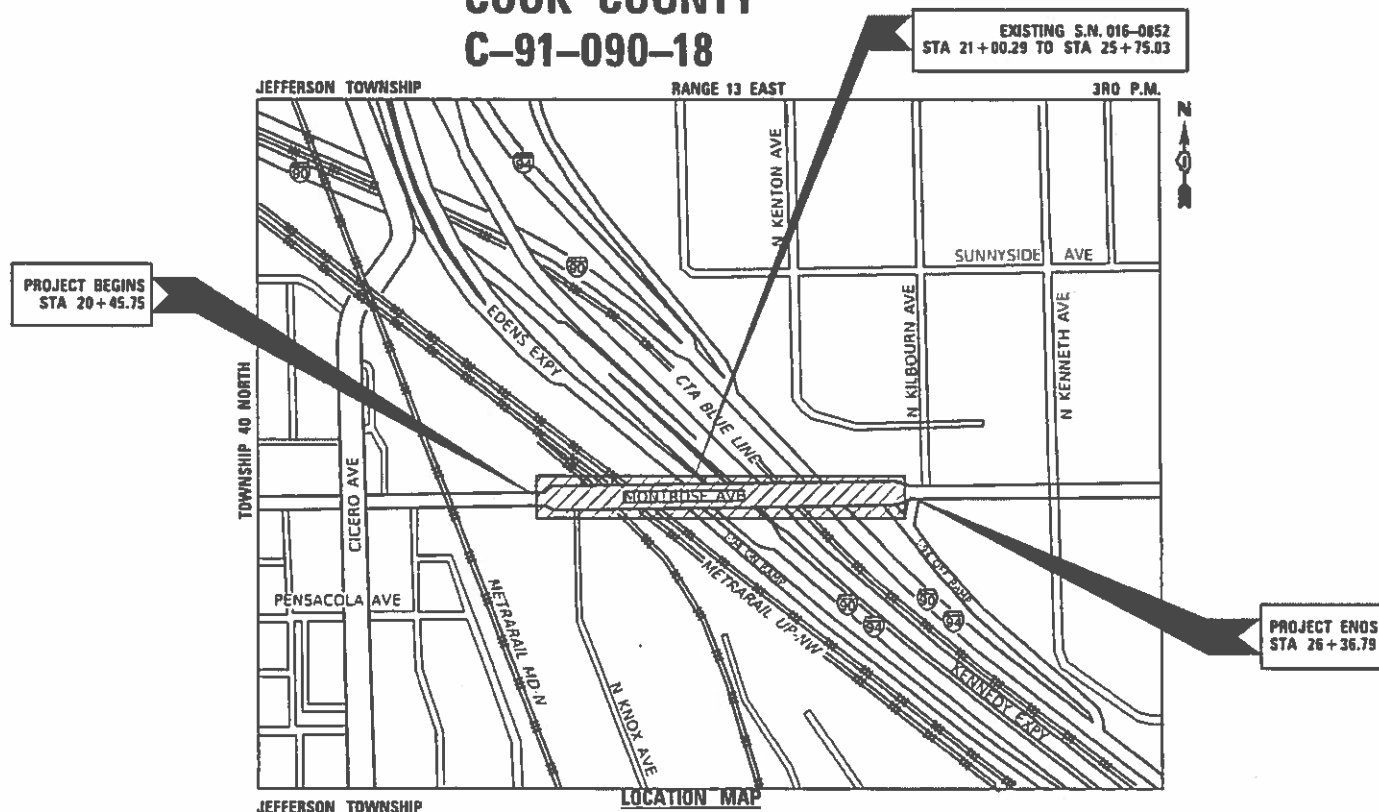


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

DIGGER
 1-312-744-7000

PROJECT ENGINEER: SULEYMAN TULGAR, P.E. (847) 705-4212
 PROJECT MANAGER: BRIAN KUTTAB, P.E. (847) 705-4431

CONTRACT NO. 62F95



PROJECT LENGTH

NET AND GROSS LENGTH = 591 FT. = 0.11 MILES

IDOT PROJECT MANAGER: BRIAN KUTTAB, P.E., TEL (847) 705-4431

Ciorba Group, Inc.

DESIGN FIRM
 REGISTRATION NUMBER

184-001016

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

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SUBMITTED August 8, 2019

Anthony J. Dunne
 REGIONAL ENGINEER

Oct 2, 2019
 ENGINEER OF DESIGN AND ENVIRONMENT

Oct 4, 2019
 DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

**PRINTED BY THE AUTHORITY
 OF THE STATE OF ILLINOIS**

ROBERT A. SWANSON
 062-058800
 LICENSED PROFESSIONAL ENGINEER OF ILLINOIS
 DATE: 8/8/2019
 SEAL EXPIRES: 11/30/2021
 APPLIES TO SHEETS 31-35

BRETT W. SALTER
 062-252501
 LICENSED PROFESSIONAL ENGINEER OF ILLINOIS
 DATE: 8/8/2019
 SEAL EXPIRES: 11/30/2021
 APPLIES TO SHEETS 56-103

DUANE O'LAUGHLIN
 062-252501
 LICENSED PROFESSIONAL ENGINEER OF ILLINOIS
 DATE: 8/6/2019
 SEAL EXPIRES: 11/30/2021
 APPLIES TO SHEETS 1-30, 36-55, 104-120

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	COVER SHEET
2	INDEX AND STANDARDS
3	GENERAL NOTES
4 - 13	SUMMARY OF QUANTITIES
14	TYPICAL SECTIONS
15	SCHEDULE OF QUANTITIES
16	ALIGNMENT, TIES AND BENCHMARKS
17	PLAN AND PROFILE
18	SUGGESTED STAGES OF CONSTRUCTION
19	DETOUR PLAN
20	TEMPORARY EXPRESSWAY SIGNING PLAN
21	TEMPORARY INFORMATION SIGNING
22 - 24	MAINTENANCE OF TRAFFIC
25	MOT SCHEDULES
26	EROSION CONTROL PLAN & PROPOSED DRAINAGE PLAN
27	EXISTING UTILITIES
28	DRAINAGE DETAILS
29	PAVEMENT MARKING PLAN
30	TRAFFIC SIGNAL PLANS
31 - 35	CDOT LIGHTING PLANS
36 - 41	CDOT ELECTRICAL DETAILS
42 - 51	IDOT UNDERPASS LIGHTING PLANS
52 - 55	IDOT ITS PLAN
56 - 103	STRUCTURAL PLAN
104 - 105	ADA DETAILS
106	DRIVEWAY DETAILS
107	BRIDGE APPROACH PAVEMENT CONNECTOR DETAIL
108 - 119	DISTRICT 1 DETAILS
120	CROSS SECTIONS

HIGHWAY STANDARDS

STANDARD NO.	LIST OF DESCRIPTION
000001-07	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
001006	DECIMAL OF AN INCH AND OF A FOOT
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
420001-09	PAVEMENT JOINTS
420111-04	PCC PAVEMENT ROUNDOUTS
420401-13	BRIDGE CONNECTOR (PCC) FOR BRIDGE APPROACH SLAB
424001-11	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
424021-05	DEPRESSED CORNER FOR SIDEWALKS
442201-03	CLASS C AND D PATCHES
515001-03	NAME PLATE FOR BRIDGES
602301-04	INLET - TYPE A
604001-04	FRAME & LIDS - TYPE 1
606001-07	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
606301-04	PC CONCRETE ISLANDS AND MEDIANS
701400-09	APPROACH TO LANE CLOSURE, FREEWAY/EXPRESSWAY
701401-12	LANE CLOSURE, FREEWAY/EXPRESSWAY
701411-09	LANE CLOSURE, MULTILANE, AT ENTRANCE OR EXIT RAMP FOR SPEEDS > 45 MPH
701427-05	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS <= 40MPH
701428-01	TRAFFIC CONTROL, SETUP AND REMOVAL, FREEWAY/EXPRESSWAY
701446-09	TWO LANE CLOSURE, FREEWAY/EXPRESSWAY
701606-10	URBAN SINGLE LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-08	TRAFFIC CONTROL DEVICES
704001-08	TEMPORARY CONCRETE BARRIER
782001-01	CURB REFLECTORS
812001	RACEWAY EMBEDDED IN STRUCTURE

IDOT DISTRICT 1 STANDARDS

STANDARD NO.	LIST OF DESCRIPTION
BE-702	MISCELLANEOUS ELECTRICAL DETAILS, SHEET A - (CABLE SPLICE, POLE WIRING, TRENCH DETAIL)
BE-801	TEMPORARY AERIAL CABLE INSTALLATION
BE-900	SUSPENDED MOUNT UNDERPASS LUMINAIRE INSTALLATION DETAILS
BD-17	CITY OF CHICAGO DETAILS FOR P.C. CONCRETE DRIVEWAY, ALLEY RETURN AND SIDEWALK
BD-58	CITY OF CHICAGO DETECTABLE WARNINGS
TC-08	ENTRANCE AND EXIT RAMP CLOSURE DETAILS
TC-09	TRAFFIC CONTROL DETAILS FOR FREEWAY SINGLE & MULTI -LANE WEAVE
TC-10	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS
TC-16	SHORT-TERM PAVEMENT MARKING LETTERS AND SYMBOLS
TC-17	SHOULDER CLOSURES AND PARTIAL RAMP CLOSURES
TC-21	DETOUR SIGNING FOR CLOSING STATE HIGHWAYS
TC-22	ARTERIAL ROAD INFORMATION SIGN
TC-24	CITY OF CHICAGO TYPICAL PAVEMENT MARKINGS

DATE PLOTTED = 8/16/2019 12:22:22 PM
 PEN TABLE = 0020795.01.tbl
 PLOT CONFIG = C:\VDD\TCAD\CON\Flotting\ACGI.PDF.ctb
 FILE NAME = N:\VDD\0020795.01\Design\Misc\Sheets\0020795.01-rnde-01.dgn



ENGINEERING CONSULTANT	USER NAME = ahern	DESIGNED - MLH	REVISED -
		DRAWN - MLH	REVISED -
	PLOT SCALE = 2.0000' / in.	CHECKED - EPS	REVISED -
	PLOT DATE = 8/16/2019	DATE - 8/12/2019	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.I. 94 (INTERSTATE 94) AT MONTROSE AVENUE
INDEX AND STANDARDS

SCALE: 1" = 50' SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	267-0101.3-B-R	COOK	120	2
CONTRACT NO.				62F95
ILLINOIS FED. AID PROJECT NHPP-XG101992				

GENERAL NOTES

1. THE CONTRACTOR'S ATTENTION IS CALLED TO THE FACT THAT THE PRESERVATION OF EXISTING TREES IS OF UTMOST IMPORTANCE TO CHICAGO AND GATEWAY GREEN. AT NO TIME SHALL THE CONTRACTOR PRUNE OR REMOVE ANY TREES UNLESS SPECIFICALLY DIRECTED BY THE ENGINEER.
2. 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.
3. THE CONTRACTOR SHALL NOT STORE ANY EQUIPMENT AND CONSTRUCTION MATERIALS WITHIN THE FOUR QUADRANTS OF THE BRIDGE, ALONG THE LANDSCAPED RAMPS, AND WITHIN THE FORESTED AREAS. ANY CONSTRUCTION DEBRIS ACCUMULATED WITHIN THE AFOREMENTIONED AREAS SHALL BE REMOVED BY THE CONTRACTOR AT THE CONTRACTOR'S OWN EXPENSE.
4. TWO WEEKS PRIOR TO PLACEMENT OF PERMANENT PAVEMENT MAKINGS, THE ENGINEER SHALL CONTACT KYLIE VOGRIN, AREA TRAFFIC ENGINEER AT KYLIE.VOGRIN@ILLINOIS.GOV
5. 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
6. THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR FOR ARTERIALS AT KALPANA.KANNAN-HOSADURGA@ILLINOIS.GOV AT LEAST 72 HOURS IN ADVANCE OF BEGINNING WORK.
7. 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.
8. TRANSITIONS SHALL BE USED TO MATCH PROPOSED CURB AND GUTTER AND MEDIAN ITEMS OF WORK TO EXISTING CURBS AND GUTTER AND MEDIANS IN THE FIELD, UNLESS OTHERWISE SHOWN, THE TRANSITION SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR THE PROPOSED ITEMS OF WORK SPECIFIED.
9. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES.
10. THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE (OR TOLLWAY) PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT (OR ISTHA).
11. ANY PAVEMENT MARKINGS AND RAISED REFLECTIVE PAVEMENT MARKERS OBLITERATED BY MILLING AND RESURFACING OPERATIONS ON SIDE STREETS AND ENTRANCES SHALL BE REPLACED AND PAID FOR IN KIND.
12. ALL DAMAGE TO EXISTING PAVEMENT MARKINGS OR RAISED REFLECTIVE PAVEMENT MARKERS OUTSIDE THE REMOVAL LINE SHOWN ON THE PLANS SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
13. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
14. THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT (847) 705-4151 A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
15. THE ENGINEER SHALL CONTACT WALTER CZARNY, TRAFFIC FIELD ENGINEER, AT (773) 685-8386 TWO (2) WEEKS PRIOR TO THE START OF THIS PROJECT SO THAT EXACT STATIONING OF NO PASSING ZONES AND OTHER PERMANENT PAVEMENT MARKINGS MAY BE ESTABLISHED.
16. DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.
17. THE CONTRACTOR SHALL TAKE NECESSARY PRECAUTIONS TO INSURE THAT NO DEBRIS WILL ENDANGER OR INTERFERE WITH TRAFFIC ON THE ROADWAY BENEATH THE BRIDGE ACCORDING TO ARTICLE 107.09 OF THE STANDARD SPECIFICATIONS. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR THE APPROPRIATE PAY ITEM INVOLVED AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
18. THE CONTRACTOR SHALL REMOVE, STORE, AND RE-ERECT ALL EXISTING SIGNS IN ACCORDANCE WITH THE STATE STANDARD SPECIFICATIONS.
19. THE CONTRACTOR SHALL COORDINATE WITH THE CTA AND METRA TO REMOVE THEIR RESPECTIVE SIGNS PRIOR TO THE START OF CONSTRUCTION.
20. EXTREME CAUTION IS TO BE TAKEN TO ENSURE THAT NO FACILITY OWNED AND MAINTAINED BY THIS DEPARTMENT IS DAMAGED DURING CONSTRUCTION. IF DAMAGE OCCURS TO ANY FACILITIES, IDOT WILL BE HELD RESPONSIBLE FOR THE COST OF REPAIRING OR REPLACING THEM. FAILURE TO COMPLY WITH THE PROVISION IN THIS CORRESPONDENCE MAY RESULT IN ADDITIONAL EXPENSES TO THE PROPOSED PROJECT TO VERIFY THAT THIS WORK CONFORMS TO DWM'S STANDARDS.
21. THE CONTRACTOR SHALL CONTACT ALBERT WTORKOWSKI OF THE DEPARTMENT OF WATER MANAGEMENT AT ALBERT.WTORKOWSKI@CITYOFCHICAGO.COR OR BY PHONE AT (312) 744-5070 PRIOR TO SCHEDULING THE FINAL INSPECTION OF ANY ADJUSTED WATER FACILITIES.
22. WHEN THE CONTRACTOR IS COORDINATING WITH THE OFFICE UNDERGROUND COORDINATION (OUC) PLEASE REFER TO OUC #2019-86993.
23. AN ADDITIONAL QUANTITY OF 2000' OF 4" TEMPORARY PAVEMENT MARKING HAS BEEN INCLUDED TO BE USED AS DIRECTED BY THE ENGINEER AT INTERSECTIONS ALONG THE DETOUR ROUTE. PLACEMENT OF ANY PAVEMENT MARKING SHALL BE COORDINATED AND APPROVED BY CDOT.

ITS GENERAL NOTES

1. THE CONTRACTOR AND RESIDENT ENGINEER SHALL CONTACT THE IDOT TRAFFIC SYSTEMS CENTER IN OAK PARK AT (708) 524-2145, FOUR WEEKS IN ADVANCE BEFORE THE START OF THE MONTROSE AVENUE BRIDGE CONSTRUCTION, STAGE 1, TO REQUEST LOWERING OF THE EXISTING SURVEILLANCE CAMERA ALONG THE SOUTH SIDE OF THE MONTROSE AVE BRIDGE BY THE ELECTRICAL MAINTENANCE CONTRACTOR. THE RESIDENT ENGINEER AND THE CONTRACTOR SHALL MARK THE CAMERA POLE WITH THE REQUIRED ELEVATION FOR THE RELOCATED CAMERA ON THE EXISTING CAMERA POLE BY PAINT, GENERALLY AT AN ELEVATION OF 3 FEET BELOW THE BOTTOM ELEVATION OF THE EXISTING OUTER MOST BRIDGE GIRDER.
2. THE CONTRACTOR SHALL PROTECT AT ALL TIMES, EXISTING REVERSIBLE GATES, CABINETS, GATE TRANSMISSION CABINET AND OTHER SURVEILLANCE AND ELECTRICAL FACILITIES AT OR UNDERNEATH THE EXISTING BRIDGE FOR THE ENTIRE DURATION OF CONSTRUCTION AS THESE FACILITIES ARE NOT INTENDED TO BE IN CONFLICT WITH THE BRIDGE WORK OR FOR RELOCATION OF THESE FACILITIES BY OTHERS.
3. THE COST FOR THE ABOVE ITEMS (1 AND 2) IS INCLUDED IN THE REMOVAL OF EXISTING SUPERSTRUCTURES PAY ITEM AND NO SEPARATE COMPENSATION WILL BE ALLOWED.

CITY OF CHICAGO GENERAL NOTES

1. IN CASE OF DAMAGE TO CITY OF CHICAGO SEWERS, PRIVATE AND PUBLIC DRAINS, SEWER STRUCTURES AND/OR BENCH MONUMENTS, THE CONTRACTOR SHALL IMMEDIATELY CONTACT THE DEPARTMENT OF SEWERS AT (312) 747-7892 OR (312) 747-7893.
2. SIDEWALK ACCESSIBILITY RAMPS SHALL NOT BE CONSTRUCTED DIRECTLY OVER EXISTING OR PROPOSED DRAINAGE STRUCTURES.
3. THE CONTRACTOR SHALL CONTACT THE CHICAGO TRANSIT AUTHORITY AT TRAFFIC.PLANNING@TRANSITCHICAGO.COM OR BY PHONE AT (312)-681-4151 SIX (6) WEEKS PRIOR TO CONSTRUCTION, TO REPORT TRAFFIC IMPACTS.
4. THE CDWM FACILITIES TO BE ADJUSTED SHALL BE PERFORMED BY THE CONTRACTOR. ADDITIONALLY, ALL NEW CURB INSTALLATION ADJACENT TO FIRE HYDRANTS MUST BE PAINTED 'SAFETY YELLOW' FOR 15 FEET ON EACH SIDE OF THE FIRE HYDRANT EXCEPT WHERE THE 15-FOOT DIMENSION INTERSECTS A CROSSWALK, DRIVEWAY OR SIMILAR FEATURE. THE FINAL PAYMENT TO THE CONTRACTOR SHALL BE WITHHELD UNTIL THIS DEPARTMENT HAS INSPECTED AND FOUND THE ADJUSTED FACILITIES ACCEPTABLE. PLEASE CONTACT MR. ALBERT WTORKOWSKI OF THE DEPARTMENT OF WATER MANAGEMENT AT ALBERT.WTORKOWSKI@CITYOFCHICAGO.ORG OR BY PHONE AT (312) 744 -5070 IN ORDER TO SCHEDULE THE FINAL INSPECTION OF ANY ADJUSTED WATER FACILITIES.
5. CAUTION IS TO BE TAKEN TO ENSURE THAT NO FACILITY OWNED AND MAINTAINED BY CDWM ARE DAMAGED DURING CONSTRUCTION. IF DAMAGE OCCURS TO ANY FACILITIES, IDOT SHALL BE HELD RESPONSIBLE FOR THE COST OF REPAIRING OR REPLACING THEM. FAILURE TO COMPLY WITH THE PROVISIONS IN THIS CORRESPONDENCE MAY RESULT IN ADDITIONAL EXPENSES TO THE PROPOSED PROJECT TO VERIFY THAT ALL WORK CONFORMS TO DWM'S STANDARDS.

COMMITMENTS

NONE

DATE PLOTTED = 8/15/2019 5:09:23 PM
 PEN TABLE = 0020775.01.tbl
 C:\VDD\TCAD\CON\F\otting\CGI.PDF.ctb
 FILE NAME = N:\PDU\0020775.01\Design\Vis\Sec\Sheets\0020775.01-gmnoctab01.dgn



ENGINEERING CONSULTANT	USER NAME = jmatton	DESIGNED - MLH	REVISED -
		DRAWN - MLH	REVISED -
	PLOT SCALE = 2.0000' / in.	CHECKED - EPS	REVISED -
	PLOT DATE = 8/15/2019	DATE - 8/12/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**F.A.I. 94 (INTERSTATE 94) AT MONTROSE AVENUE
GENERAL NOTES**

SCALE: 1" = 50' SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	267-0101.3-B-R	COOK	120	3
CONTRACT NO. 62F95				
ILLINOIS FED. AID PROJECT NHPP-XG101992				

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE			
				90% FED 10% STATE			
				RDWY	BRIDGE REHAB	LIGHTING	SIGNALS
				0004	0013	0021	0021
					SN 016-0852		
20200100	EARTH EXCAVATION	CU YD	20	20			
20800150	TRENCH BACKFILL	CU YD	29	29			
21101625	TOPSOIL FURNISH AND PLACE, 6"	SQ YD	48	48			
25000200	SEEDING, CLASS 2	ACRE	0.25	0.25			
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	1	1			
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	1	1			
25100630	EROSION CONTROL BLANKET	SQ YD	48	48			
28000400	PERIMETER EROSION BARRIER	FOOT	28	28			
28000510	INLET FILTERS	EACH	12	12			
30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	90	90			
42001300	PROTECTIVE COAT	SQ YD	254	254			
42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	SQ YD	33	33			
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	1,677	1,677			
44000100	PAVEMENT REMOVAL	SQ YD	337	337			
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	250	250			

* DENOTES SPECIALTY ITEM

DATE PLOTTED = 8/16/2019 1:48:45 PM
 PEN TABLE = C:\100707C40\CONV\Plotting\COI_PDF.ctb
 PLOT CONFIG = N:\PROJ\0828775\01\Design\Inspec\Spec\Sheets\0828775.dwg
 FILE NAME =



ENGINEERING CONSULTANT	USER NAME = ehern	DESIGNED - DTJ	REVISED -
		DRAWN - DTJ	REVISED -
	PLOT SCALE = 2.0000' / in.	CHECKED - JMV	REVISED -
	PLOT DATE = 8/16/2019	DATE - 8/12/2019	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.I. 94 (INTERSTATE 94) AT MONTROSE AVENUE
SUMMARY OF QUANTITIES

SCALE: N.T.S. SHEET NO. 1 OF 10 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	267-0101.3-B-R	COOK	120	4
CONTRACT NO. 62F95			ILLINOIS FED. AID PROJECT N#PP-XG101992	

DATE PLOTTED = 8/16/2019 1:48:46 PM
 PLOT TABLE = 08201915.01.tbl
 PLOT CONFIG = C:\I\DOTCADD\CONV\Plotting\ACDL_PDF.ctb
 FILE NAME = N:\PROJ\08201915\01\Design\Inspec\Sheets\08201915.01-ssq01.dgn

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE			
				90% FED 10% STATE			
				RDWY	BRIDGE REHAB	LIGHTING	SIGNALS
				0004	0013	0021	0021
					SN 016-0852		
44000600	SIDEWALK REMOVAL	SQ FT	2,434	2434			
44201341	CLASS C PATCHES, TYPE II, 9 INCH	SQ YD	14	14			
50101500	REMOVAL OF EXISTING SUPERSTRUCTURES	EACH	1		1		
50102400	CONCRETE REMOVAL	CU YD	173.7		173.7		
50157300	PROTECTIVE SHIELD	SQ YD	4,719		4,719		
50200100	STRUCTURE EXCAVATION	CU YD	489		489		
50300225	CONCRETE STRUCTURES	CU YD	434.2		434.2		
50300255	CONCRETE SUPERSTRUCTURE	CU YD	1,119.0		1,119.0		
50300300	PROTECTIVE COAT	SQ YD	5,155		5,155		
50301350	CONCRETE SUPERSTRUCTURE (APPROACH SLAB)	CU YD	235.2		235.2		
50500105	FURNISHING AND ERECTING STRUCTURAL STEEL	L SUM	1		1		
50500505	STUD SHEAR CONNECTORS	EACH	11,430		11,430		
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	512,930		512,930		
50800515	BAR SPLICERS	EACH	2,377		2,377		
50800530	MECHANICAL SPLICERS	EACH	520		520		

* DENOTES SPECIALTY ITEM

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.I. 94 (INTERSTATE 94) AT MONTROSE AVENUE
SUMMARY OF QUANTITIES



ENGINEERING CONSULTANT	USER NAME = ehern	DESIGNED - DTJ	REVISED -
		DRAWN - DTJ	REVISED -
	PLOT SCALE = 2.0000' / in.	CHECKED - JMV	REVISED -
	PLOT DATE = 8/16/2019	DATE - 8/12/2019	REVISED -

SCALE: N.T.S. SHEET NO. 2 OF 10 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	267-0101.3-B-R	COOK	120	5
CONTRACT NO. 62F95			ILLINOIS FED. AID PROJECT N#PP-XG101992	

REV. - MS

URBAN

				CONSTRUCTION CODE			
				90% FED 10% STATE			
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	RDWY	BRIDGE REHAB	LIGHTING	SIGNALS
				0004	0013	0021	0021
				SN 016-0852			
50901730	BRIDGE FENCE RAILING	FOOT	982		982		
51500100	NAME PLATES	EACH	1		1		
52000110	PREFORMED JOINT STRIP SEAL	FOOT	125		125		
52100520	ANCHOR BOLTS, 1"	EACH	144		144		
52200010	TEMPORARY SHEET PILING	SQ FT	361		361		
56500300	DOMESTIC METER VAULTS TO BE ADJUSTED	EACH	5	5			
56500600	DOMESTIC WATER SERVICE BOXES TO BE ADJUSTED	EACH	5	5			
58600101	GRANULAR BACKFILL FOR STRUCTURES	CU YD	420		420		
58700300	CONCRETE SEALER	SQ FT	6,142		6,142		
59100100	GEOCOMPOSITE WALL DRAIN	SQ YD	250		250		
60234200	INLETS, TYPE A, TYPE 1 FRAME, OPEN LID	EACH	1	1			
60250400	CATCH BASINS TO BE ADJUSTED WITH NEW TYPE 1 FRAME, OPEN LID	EACH	3	3			
60253100	CATCH BASINS TO BE RECONSTRUCTED WITH NEW TYPE 1 FRAME, CLOSED LID	EACH	1	1			
△ 60255410	CATCH BASINS TO BE CLEANED	EACH	4	4			
60255800	MANHOLES TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID	EACH	2	2			

* DENOTES SPECIALTY ITEM
 △ NON- PARTICIPATING

DATE PLOTTED = 8/16/2019 1:48:46 PM
 PEN TABLE = C:\1007C\0\CONV\Plotting\COL\PDF\ctcf\g...
 FILE NAME = N:\PROJ\0822775\01\Design\Inspec\Sheets\0822775\01-scp01.dgn



ENGINEERING CONSULTANT	USER NAME = ehern	DESIGNED - DTJ	REVISED -
		DRAWN - DTJ	REVISED -
	PLOT SCALE = 2.0000' / in.	CHECKED - JMV	REVISED -
	PLOT DATE = 8/16/2019	DATE - 8/12/2019	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.I. 94 (INTERSTATE 94) AT MONTROSE AVENUE
SUMMARY OF QUANTITIES

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	267-0101.3-B-R	COOK	120	6
CONTRACT NO. 62F95				
ILLINOIS FED. AID PROJECT N#PP-XG101992				

SCALE: N.T.S. SHEET NO. 3 OF 10 SHEETS STA. TO STA.

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE			
				90% FED 10% STATE			
				RDWY	BRIDGE REHAB	LIGHTING	SIGNALS
				0004	0013	0021	0021
				SN 016-0852			
60265900	VALVE VAULTS TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID	EACH	3	3			
60300105	FRAMES AND GRATES TO BE ADJUSTED	EACH	4	4			
60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	204	204			
61000050	CONCRETE THRUST BLOCKS	EACH	3	3			
67100100	MOBILIZATION	L SUM	1	1			
* 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	255	255			
* 66900530	SOIL DISPOSAL ANALYSIS	EACH	2	2			
* 66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	L SUM	1	1			
* 66901002	ON-SITE MONITORING OF REGULATED SUBSTANCES	CAL DA	15	15			
* 66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	L SUM	1	1			
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	546	546			
70300100	SHORT TERM PAVEMENT MARKING	FOOT	1,257	1,257			
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	760	760			
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	773	773			
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	330	330			

* DENOTES SPECIALTY ITEM

DATE PLOTTED = 8/16/2019 1:48:46 PM
 PLOT TABLE = C:\100707C40\CONV\Plotting\COI_PDF.ctb
 FILE NAME = N:\PROJ\0828775281\Design\Inspec\Sheets\0828775281-ss08.dgn



ENGINEERING CONSULTANT	USER NAME = ehern	DESIGNED - DTJ	REVISED -
		DRAWN - DTJ	REVISED -
	PLOT SCALE = 2.0000" / in.	CHECKED - JMV	REVISED -
	PLOT DATE = 8/16/2019	DATE - 8/12/2019	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.I. 94 (INTERSTATE 94) AT MONTROSE AVENUE
SUMMARY OF QUANTITIES

SCALE: N.T.S. SHEET NO. 4 OF 10 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	267-0101.3-B-R	COOK	120	7
CONTRACT NO. 62F95				
ILLINOIS FED. AID PROJECT N#PP-XG101992				

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE			
				90% FED 10% STATE			
				RDWY	BRIDGE REHAB	LIGHTING	SIGNALS
				0004	0013	0021	0021
					SN 016-0852		
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	26	26			
70400100	TEMPORARY CONCRETE BARRIER	FOOT	625	625			
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	550	550			
70600260	IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	2	2			
70600330	IMPACT ATTENUATORS, RELOCATE (FULLY REDIRECTIVE), TEST LEVEL 3	EACH	2	2			
* 78009000	MODIFIED URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	85	85			
* 78009004	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	FOOT	1,012	1,012			
* 78009006	MODIFIED URETHANE PAVEMENT MARKING - LINE 6"	FOOT	214	214			
* 78009012	MODIFIED URETHANE PAVEMENT MARKING - LINE 12"	FOOT	330	330			
* 78009024	MODIFIED URETHANE PAVEMENT MARKING - LINE 24"	FOOT	177	177			
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	20	20			
* 78200011	BARRIER WALL REFLECTORS, TYPE C	EACH	94	94			
* 81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	34			34	
* 81028350	UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	20			20	
* 81028370	UNDERGROUND CONDUIT, PVC, 3" DIA.	FOOT	188			188	

* DENOTES SPECIALTY ITEM

DATE PLOTTED = 8/16/2019 1:48:46 PM
 PEN TABLE = C:\100707C40\CONV\Plotting\ACQI_PDF.ctb
 FILE NAME = N:\PROJ\0828775\01\Design\Inspec\Specs\0828775\01-spec01.dgn



ENGINEERING CONSULTANT	USER NAME = ehern	DESIGNED - DTJ	REVISED -
		DRAWN - DTJ	REVISED -
	PLOT SCALE = 2.0000' / in.	CHECKED - JMV	REVISED -
	PLOT DATE = 8/16/2019	DATE - 8/12/2019	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.I. 94 (INTERSTATE 94) AT MONTROSE AVENUE
SUMMARY OF QUANTITIES

SCALE: N.T.S. SHEET NO. 5 OF 10 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	267-0101.3-B-R	COOK	120	8
CONTRACT NO. 62F95			ILLINOIS FED. AID PROJECT N#PP-XG101992	

DATE PLOTTED = 8/16/2019 1:48:46 PM
 PEN TABLE = C:\100707C40\CONV\Plotting\COL_PDF.ctb
 FILE NAME = N:\PROJ\08227755\01\Design\Inspec\Sheets\08227755.dwg - s04.dwg

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE			
				90% FED 10% STATE			
				RDWY	BRIDGE REHAB	LIGHTING	SIGNALS
				0004	0013	0021	0021
					SN 016-0852		
* 81100320	CONDUIT ATTACHED TO STRUCTURE, 1" DIA., PVC COATED GALVANIZED STEEL	FOOT	1,347			1,347	
* 81100605	CONDUIT ATTACHED TO STRUCTURE, 2" DIA., PVC COATED GALVANIZED STEEL	FOOT	459	459			
* 81101000	CONDUIT ATTACHED TO STRUCTURE, 4" DIA., GALVANIZED STEEL	FOOT	946			946	
* 81200230	CONDUIT EMBEDDED IN STRUCTURE, 2" DIA., PVC	FOOT	997			997	
* 81300220	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 6" X 6" X 4"	EACH	17			17	
* 81300420	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 10" X 8" X 6"	EACH	1	1			
* 81300530	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 12" X 10" X 6"	EACH	23			23	
* 81300810	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 18" X 12" X 8"	EACH	2			2	
* 81702100	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 12	FOOT	1,587			1,587	
* 81702110	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	FOOT	6,348			6,348	
* 81702130	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6	FOOT	1,874	1,648		226	
* 81702140	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 4	FOOT	678			678	
* 81800200	AERIAL CABLE, 2-1/C NO. 4 WITH MESSENGER WIRE	FOOT	730	730			
* 85000205	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION (SPECIAL)	EACH	1				1
* 87301727	ELECTRIC CABLE IN CONDUIT, COMMUNICATION NO. 19 6C	FOOT	824	824			

* DENOTES SPECIALTY ITEM

URBAN



ENGINEERING CONSULTANT	USER NAME = ehern	DESIGNED - DTJ	REVISED -
		DRAWN - DTJ	REVISED -
	PLOT SCALE = 2.0000" / in.	CHECKED - JMV	REVISED -
	PLOT DATE = 8/16/2019	DATE - 8/12/2019	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.I. 94 (INTERSTATE 94) AT MONTROSE AVENUE
SUMMARY OF QUANTITIES

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	267-0101.3-B-R	COOK	120	9
CONTRACT NO. 62F95				
ILLINOIS FED. AID PROJECT N#PP-XG101992				

SCALE: N.T.S. SHEET NO. 6 OF 10 SHEETS STA. TO STA.

DATE PLOTTED = 8/16/2019 1:48:46 PM
 PEN TABLE = C:\1007C\00\CONV\Plotting\COI.PDF.ctb
 FILE NAME = N:\PROJ\082277521\Drawings\Inspec\Sheets\082277521-sec01.dgn

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE			
				90% FED 10% STATE			
				RDWY	BRIDGE REHAB	LIGHTING	SIGNALS
				0004	0013	0021	0021
					SN 016-0852		
* 87302305	ELECTRIC CABLE AERIAL SUSPENDED, COMMUNICATION, NO. 16 3 PAIR	FOOT	730	730			
* 87900200	DRILL EXISTING HANDHOLE	EACH	11			11	
* 89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	2,116	807		1,165	144
* 89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	1				1
* X0322708	REMOVE EXISTING STREET LIGHTING EQUIPMENT	EACH	1			1	
X0322917	PROPOSED STORM SEWER CONNECTION TO EXISTING MANHOLE	EACH	3	3			
* X0323524	REMOVE EXISTING SURVEILLANCE CAMERA EQUIPMENT	EACH	1	1			
* X0324198	REMOVAL OF ASBESTOS CEMENT CONDUIT	FOOT	2,398			2,398	
* X0324571	MAINTENANCE OF STREET LIGHTING SYSTEM (CITY OF CHICAGO)	L SUM	1			1	
* X0325527	REMOVE & REINSTALL SIGNAL EQUIPMENT	L SUM	1				1
* X0326326	CABLE IN CONDUIT, TRIPLEX, 2-1/C NO. 6 AND 1-1/C NO. 8 GROUND	FOOT	1,268			1,268	
* X0326968	JUNCTION BOX, POLE OR POST MOUNTED	EACH	1				1
* X0327753	REMOVE AND REINSTALL CAMERA POLE	EACH	1	1			
X0327976	TRACK MONITORING	CAL DA	200	200			
* X1400083	UNDERGROUND CONDUIT, PVC, 3" DIA. SCHEDULE 80 (CHICAGO)	FOOT	114				114

* DENOTES SPECIALTY ITEM



ENGINEERING CONSULTANT	USER NAME = ehern	DESIGNED - DTJ	REVISED -
		DRAWN - DTJ	REVISED -
	PLOT SCALE = 2.0000' / in.	CHECKED - JMV	REVISED -
	PLOT DATE = 8/16/2019	DATE - 8/12/2019	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.I. 94 (INTERSTATE 94) AT MONTROSE AVENUE
SUMMARY OF QUANTITIES

SCALE: N.T.S. SHEET NO. 7 OF 10 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	267-0101.3-B-R	COOK	120	10
CONTRACT NO. 62F95			ILLINOIS FED. AID PROJECT N#PP-XG101992	

DATE PLOTTED = 8/16/2019 1:48:46 PM
 PLOT TABLE = C:\10070700\CONV\Plotting\COL_PDF.ctb
 FILE NAME = N:\PROJ\082277501\Design\Inspec\Sheets\082277501-10081.dgn

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE			
				90% FED 10% STATE			
				RDWY	BRIDGE REHAB	LIGHTING	SIGNALS
				0004	0013	0021	0021
					SN 016-0852		
* 82110027	LUMINAIRE, LED, UNDERPASS, SUSPENDED, OUTPUT DESIGNATION E	EACH	18			18	
* X1400280	OPTIMIZE TRAFFIC SIGNAL SYSTEM (SPECIAL)	EACH	6				6
* X1400342	UNDERPASS LIGHTING REMOVAL	L SUM	1			1	
* X2700003	GROOVING FOR RECESSED PAVEMENT MARKING 8"	FOOT	295	295			
* X2700004	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LINE 7"	FOOT	295	295			
X4022000	TEMPORARY ACCESS (COMMERCIAL ENTRANCE)	EACH	1	1			
X4201410	BRIDGE APPROACH PAVEMENT CONNECTOR (SPECIAL)	SQ YD	399	399			
X4240800	DETECTABLE WARNINGS (SPECIAL)	SQ FT	122	122			
X4402020	CONCRETE MEDIAN SURFACE REMOVAL	SQ FT	445	445			
X5017307	PROTECTIVE SHIELD, SPECIAL	SQ YD	64		64		
X5030250	BRIDGE DECK GROOVING (LONGITUDINAL)	SQ YD	3,509		3,509		
X5210130	HIGH LOAD MULTI-ROTATIONAL BEARINGS, GUIDED EXPANSION, 300K	EACH	18		18		
X5210220	HIGH LOAD MULTI-ROTATIONAL BEARINGS, GUIDED EXPANSION, 750K	EACH	9		9		
X5210365	HIGH LOAD MULTI-ROTATIONAL BEARINGS, FIXED - 750K	EACH	9		9		
X5504000	STORM SEWERS, DUCTILE IRON, TYPE 2 8"	FOOT	64	64			

* DENOTES SPECIALTY ITEM

URBAN



ENGINEERING CONSULTANT	USER NAME = ehern	DESIGNED - DTJ	REVISED -
		DRAWN - DTJ	REVISED -
	PLOT SCALE = 2.0000' / in.	CHECKED - JMV	REVISED -
	PLOT DATE = 8/16/2019	DATE - 8/12/2019	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.I. 94 (INTERSTATE 94) AT MONTROSE AVENUE
SUMMARY OF QUANTITIES

SCALE: N.T.S. SHEET NO. 8 OF 10 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	267-0101.3-B-R	COOK	120	11
CONTRACT NO. 62F95			ILLINOIS FED. AID PROJECT N#PP-XG101992	

REV. - MS

DATE PLOTTED = 8/16/2019 1:48:47 PM
 PEN TABLE = C:\100707C40\CONV\Plotting\COL_PDF.ctb
 FILE NAME = N:\PROJ\08227752\1\Design\Inspec\Sheets\08227752.dwg

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE			
				90% FED 10% STATE			
				RDWY	BRIDGE REHAB	LIGHTING	SIGNALS
				0004	0013	0021	0021
					SN 016-0852		
△	X5538200	STORM SEWERS TO BE CLEANED 24"	FOOT	1,000	1,000		
	X6030310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	4		4	
	X6060714	CONCRETE MEDIAN (SPECIAL)	SQ FT	305	305		
	X6640210	TEMPORARY CHAIN LINK FENCE (PORTABLE)	FOOT	820	820		
	X6700410	ENGINEER'S FIELD OFFICE, TYPE A (SPECIAL)	CAL MO	16	16		
	X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1		
	X7011015	TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS)	L SUM	1	1		
	X7030005	TEMPORARY PAVEMENT MARKING REMOVAL	SQ FT	598	598		
	X7040125	PINNING TEMPORARY CONCRETE BARRIER	EACH	48	48		
*	X8210312	PROTECTION AND MAINTENANCE OF EXISTING UNDERPASS LIGHTING (SPECIAL)	L SUM	1		1	
*	X8300100	LIGHT POLE, ALUMINUM, WITH MAST ARM, INSTALL ONLY	EACH	8		8	
*	X8780107	CONCRETE FOUNDATION (SPECIAL)	FOOT	5			5
*	X1400381	CABLE, SPECIAL	FOOT	21			21
*	X1400382	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 19/C	FOOT	151			151
	Z0004552	APPROACH SLAB REMOVAL	SQ YD	539	539		

* DENOTES SPECIALTY ITEM
 △ NON- PARTICIPATING



ENGINEERING CONSULTANT	USER NAME = ehern	DESIGNED - DTJ	REVISED -
		DRAWN - DTJ	REVISED -
	PLOT SCALE = 2.0000' / in.	CHECKED - JMV	REVISED -
	PLOT DATE = 8/16/2019	DATE - 8/12/2019	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**F.A.I. 94 (INTERSTATE 94) AT MONTROSE AVENUE
 SUMMARY OF QUANTITIES**

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	267-0101.3-B-R	COOK	120	12
CONTRACT NO. 62F95			ILLINOIS FED. AID PROJECT N#PP-XG101992	

REV. - MS

SCALE: N.T.S. SHEET NO. 9 OF 10 SHEETS STA. TO STA.

DATE PLOTTED = 8/16/2019 1:48:47 PM
 PEN TABLE = C:\1007C\00\CONV\Plotting\COL_PDF.ctb
 FILE NAME = N:\PROJ\0022775\01\Design\Inspec\Sheets\0022775.dwg - s001.dgn

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE			
				90% FED 10% STATE			
				RDWY	BRIDGE REHAB	LIGHTING	SIGNALS
				0004	0013	0021	0021
					SN 016-0852		
△ Z0010614	CLEANING EXISTING MANHOLE OR HANDHOLE	EACH	4			4	
Z0012754	STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5 INCHES)	SQ FT	920		920		
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1			
Z0018004	DRAINAGE SCUPPERS, DS-12	EACH	10		10		
Z0018800	DRAINAGE SYSTEM	L SUM	1		1		
Z0019307	HOLES DRILLED	EACH	6	3	3		
Z0029090	DIAMOND GRINDING (BRIDGE SECTION)	SQ YD	2,902		2,902		
Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	353	353			
* Z0033028	MAINTENANCE OF LIGHTING SYSTEM	CAL MO	9			9	
Z0034390	MODULAR EXPANSION JOINT 6"	FOOT	125		125		
* Z0036200	PAINT CURB	FOOT	30	30			
Z0046304	PIPE UNDERDRAINS FOR STRUCTURES 4"	FOOT	250		250		
Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1	1			
* X1400383	FIXED POSITION CCTV CAMERA	EACH	1	1			
∅ Z0076600	TRAINEES	HOUR	1500	1500			
∅ Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOUR	1500	1500			

* DENOTES SPECIALTY ITEM
 △ NON- PARTICIPATING
 ∅ 0042

REV. - MS

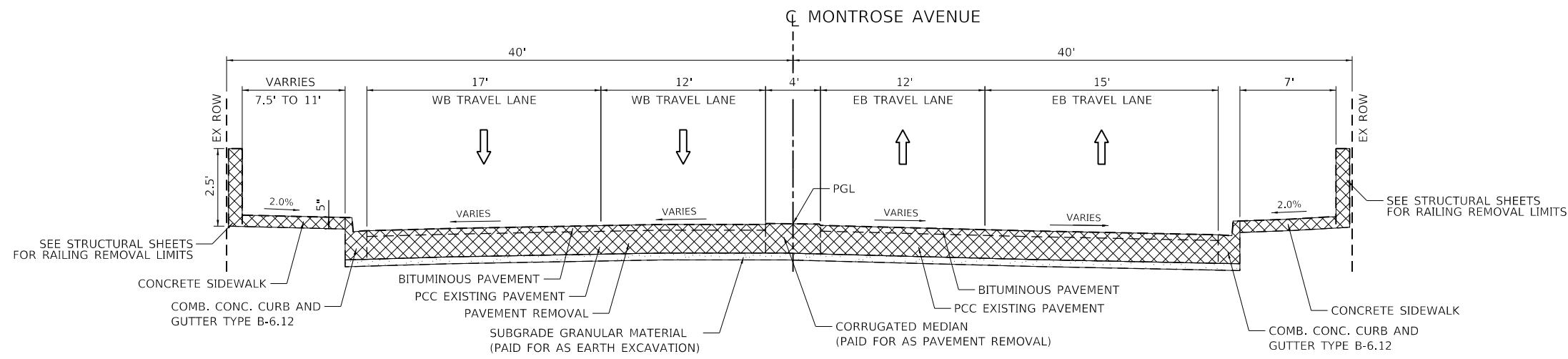


ENGINEERING CONSULTANT	USER NAME = ehern	DESIGNED - DTJ	REVISED -
		DRAWN - DTJ	REVISED -
	PLOT SCALE = 2.0000' / in.	CHECKED - JMV	REVISED -
	PLOT DATE = 8/16/2019	DATE - 8/12/2019	REVISED -

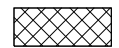
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.I. 94 (INTERSTATE 94) AT MONTROSE AVENUE
SUMMARY OF QUANTITIES
 SCALE: N.T.S. SHEET NO. 10 OF 10 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	267-0101.3-B-R	COOK	120	13
CONTRACT NO. 62F95			ILLINOIS FED. AID PROJECT N#PP-XG101992	



LEGEND:

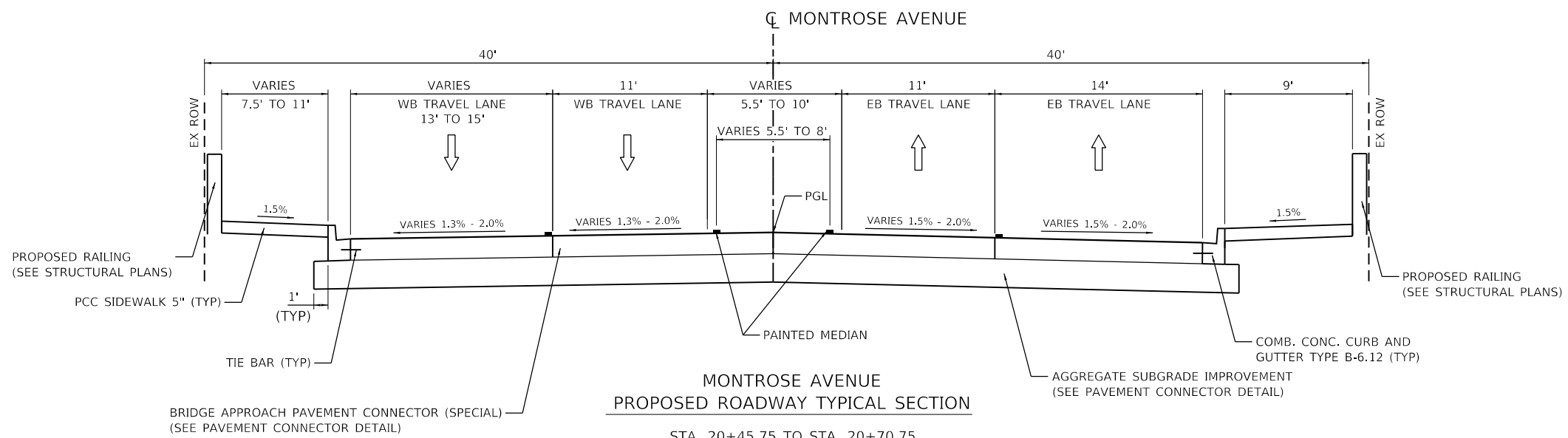


REMOVAL ITEMS

EXISTING PAVEMENT THICKNESS		
STA	TO STA	THICKNESS
20+62.67	TO 20+81.80	3.5" HMA SURFACE OVER 11.5" PCC PAVEMENT
25+93.37	TO 26+36.79	3.0" HMA SURFACE OVER 9.0" PCC PAVEMENT

• PCC PAVEMENT STA 20+45.75 to STA 20+62.67

STA. 20+45.75 TO STA. 20+81.80
 STA. 20+81.80 TO STA. 21+00.65 (APPROACH SLAB OMISSION)
 STA. 21+00.75 TO STA. 25+73.26 (BRIDGE OMISSION)
 STA. 25+73.26 TO STA. 25+93.37 (APPROACH SLAB OMISSION)
 STA. 25+93.37 TO STA. 26+36.79



STA. 20+45.75 TO STA. 20+70.75
 STA. 20+70.75 TO STA. 21+00.75 (APPROACH SLAB OMISSION)
 STA. 21+00.75 TO STA. 25+73.23 (BRIDGE OMISSION)
 STA. 25+73.23 TO STA. 26+03.23 (APPROACH SLAB OMISSION)
 STA. 26+03.23 TO STA. 26+36.79

DATE PLOTTED = 8/15/2019 5:04:46 PM
 PEN TABLE = C:\VDD\TCD\ACON\Plotting\AC01_PDF.plt
 FILE NAME = N:\VDD\2019\267\267\Design\Typical\Sections\082019\94-1\Typical\94.dgn



ENGINEERING CONSULTANT	USER NAME = jmatton	DESIGNED - MLH	REVISED -
		DRAWN - MLH	REVISED -
	PLOT SCALE = 10.0000' / 1"	CHECKED - EPS	REVISED -
	PLOT DATE = 8/15/2019	DATE - 8/12/2019	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**F.A.I. 94 (INTERSTATE 94) AT MONTROSE AVENUE
 TYPICAL SECTIONS**

SCALE: N.T.S. SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	267-0101.3-B-R	COOK	120	14
CONTRACT NO. 62F95				
ILLINOIS FED. AID PROJECT NHPP-XG101992				

COMMENT	STATION	LENGTH	CUT	FILL	UNSUITABLE	EARTH EXCAVATION	EARTH EXCAVATION FOR EMBANKMENT ADJUSTED FOR SHRINKAGE (15%)	EMBANKMENT	[1] EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-)
		FT	SO FT	SO FT	SO FT	CY	CY	CY	CY
AHEAD	20+45.75		80.7	0.0					
	20+61.61	10.6	63.7	0.0	0.0	28.3	24.1	0.0	24.1
BACK	21+00.70	25.5	96.0	0.0	0.0	75.3	64.0	0.0	64.0
RT									
AHEAD	20+93.22		41.6	0.0	0.0	0.0	0.0	0.0	0.0
BACK	21+73.28	13.1	44.2	0.0	0.0	20.8	17.7	0.0	17.7
BRIDGE OMISSION									
AHEAD	25+73.07		98.5	0.0	0.0	0.0	0.0	0.0	0.0
	26+13.37	26.2	97.2	0.0	0.0	94.9	80.7	0.0	80.7
BACK	26+36.79	16.4	71.2	0.0	0.0	51.1	43.5	0.0	43.5
TOTALS						270.5	229.9	0.0	229.9
NON-SPECIAL WASTE DISPOSAL						-255			
ROUNDUP TOTAL						20.0	230.0	0.0	230.0

PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH					
STA	STA	LOCATION	LENGTH (FT)	WIDTH (FT)	SO FT
20+14	20+25	LT	10.1	10.5	105.5
20+25	20+35	LT	10.5	5.0	52.0
20+14	20+24	RT	10	17.1	170.7
20+24	20+44	RT	20.1	14.3	285.7
20+44	20+70	RT	26.5	5.9	155.0
21+31	21+38	RT	11.4	5.0	56.4
21+38	21+48	RT	5.8	5.9	34.2
25+58	25+69	LT	11	4.5	49.5
25+69	25+88	LT	19	8.4	159.6
26+25	26+35	LT	10.25	7.8	80.0
26+42	26+60	RT	14.0	9.0	126.0
26+60	26+65	RT	5	8.9	44.3
26+65	26+73	RT	10.25	5.4	54.8
27+07	27+40	RT	29.5	5.0	147.3
27+70	27+92	RT	20.5	7.6	156.0
TOTAL					1,677

COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12				
STA	STA	LOCATION	LENGTH (FT)	FOOT
20+14	20+34	LT	21.1	21.1
20+34	20+75	RT	44.0	44.0
21+31	21+24	RT	4.8	4.8
25+69	26+35	LT	66.0	66.0
26+40	26+78	RT	44.5	44.5
27+66	27+85	RT	23.2	23.6
TOTAL				204

MODIFIED URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS				
STA	LOCATION	AREA (SQ FT)	NOTE	SO FT
21+40	RT	8.0	SHARED LANE	8.0
21+60	LT	15.6	ARROW	15.6
21+85	LT	21.4	ONLY	21.4
21+65	LT	8.0	SHARED LANE	8.0
23+40	RT	8.0	SHARED LANE	8.0
23+65	LT	8.0	SHARED LANE	8.0
25+40	RT	8.0	SHARED LANE	8.0
25+65	LT	8.0	SHARED LANE	8.0
TOTAL				85

MODIFIED URETHANE PAVEMENT MARKING - LINE 4"					
STA	STA	LOCATION	LENGTH (FT)	QUANTITY	FOOT
21+37	22+52	RT	115	2	230
22+52	22+96	CL	44	4	176
22+96	25+91	CL	295	2	590
25+91	25+96	CL	16	1	16
TOTAL					1,012

MODIFIED URETHANE PAVEMENT MARKING - LINE 6"						
STA	STA	LOCATION	LENGTH	QUANTITY	NOTE	FOOT
20+42	21+37	RT	95.0	2	DOTTED	47.5
21+37	22+52	LT	115.0			115.0
22+52	23+40	LT	88.3		DOTTED	22.1
25+87	26+89	RT/LT	116.1		DOTTED	29.0
TOTAL						214

MODIFIED URETHANE PAVEMENT MARKING - LINE 12"					
STA	STA	LOCATION	LENGTH (FT)	QUANTITY	FOOT
20+59	21+34	RT	16.8	10	168.0
26+74	27+11	RT	13.0	6	78.0
27+35	27+74	RT	12.0	7	84.0
TOTAL					330

MODIFIED URETHANE PAVEMENT MARKING - LINE 24"				
STA	STA	LOCATION	LENGTH (FT)	FOOT
26+00	26+32	RT	38.8	38.8
26+85	27+15	RT	30.4	30.4
27+32	27+62	RT	29.6	29.6
28+25		CROSSWALK	6	78.0
TOTAL				177

GROOVING FOR RECESSED PAVEMENT MARKING 8" & PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LINE 7"					
STA	STA	LOCATION	LENGTH (FT)	NOTE	FOOT
19+03	20+42	RT	139.0	SKIP DASH	34.8
20+27	25+87	LT	560.0	SKIP DASH	140.0
21+30	26+11	RT	481.0	SKIP DASH	120.3
TOTAL					295

BRIDGE APPROACH PAVEMENT CONNECTOR (SPECIAL)					
STA	STA	LOCATION	LENGTH (FT)	WIDTH (FT)	SO YD
20+36	20+44	LT	8	2.8	2.5
20+14	21+19	CL	16.1	104.1	186.8
25+70	26+72	CL	20.9	90.3	209.7
TOTAL					399

DATE PLOTTED = 8/15/2019 5:04:47 PM
 PEN TABLE = C:\VDD\TCAD\CAD\Plotting\ACI.PDF.ctb
 PLOT CONFIG = N:\VDD\08287\5421\Design\N\Spec_Sheets\08287\5421\schedule.dgn
 FILE NAME =



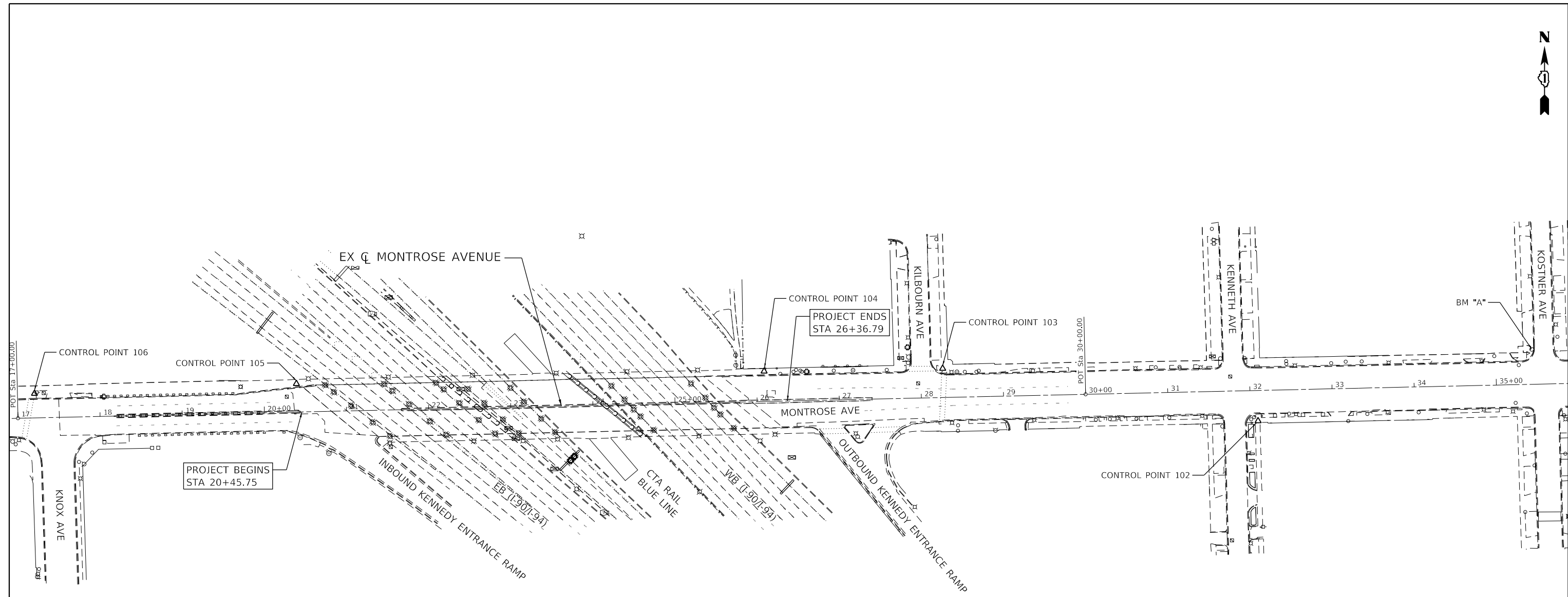
USER NAME = jmatton	DESIGNED - DTJ	REVISED -
PLOT SCALE = 2.0000' / in.	DRAWN - DTJ	REVISED -
PLOT DATE = 8/15/2019	CHECKED - JMV	REVISED -
	DATE - 8/12/2019	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.I. 94 (INTERSTATE 94) AT MONTROSE AVENUE
SCHEDULE OF QUANTITIES

SCALE: N.T.S. SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	267-0101.3-B-R	COOK	120	15
CONTRACT NO. 62F95				
ILLINOIS FED. AID PROJECT NHPP-XG101992				

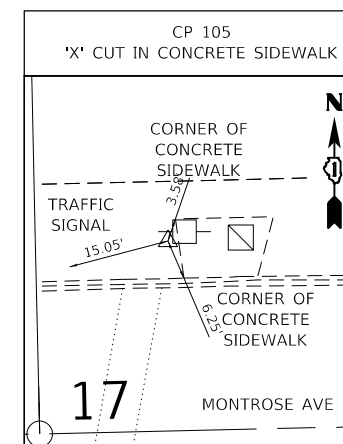
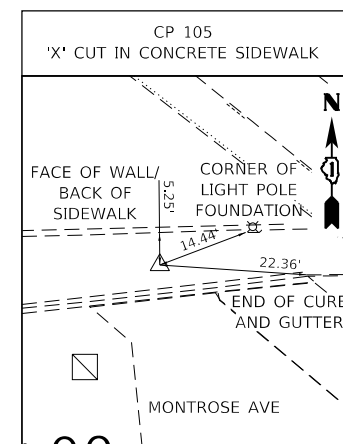
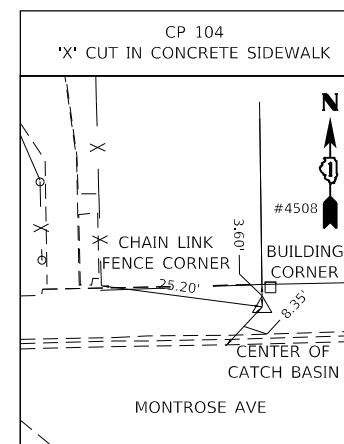
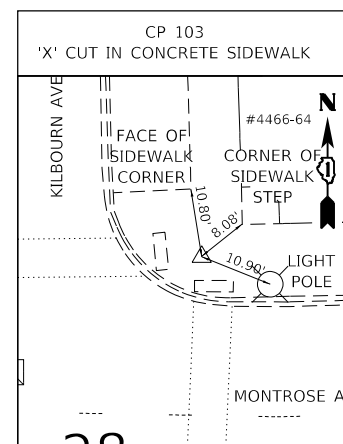
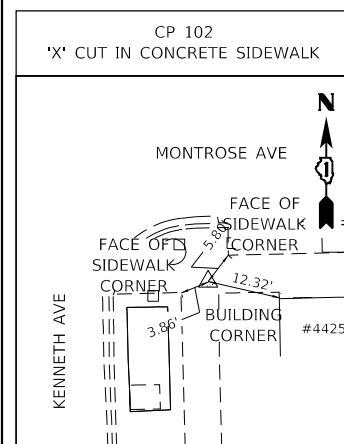


PROJECT COORDINATES			
POINT	STATION	NORTHING	EASTNG
P.O.T.	17+00.00	1,928,835.14	1,144,194.72
P.O.T.	30+00.00	1,928,864.32	1,145,494.39

CONTROL POINTS COORDINATES					
POINT	NORTHING	EASTNG	ELEVATION	STATION	OFFSET
102	1,965,861.31	1,141,186.66	639.11	32+09.10	37.12 RT
103	1,965,898.65	1,141,456.04	638.83	28+26.68	35.26 LT
104	1,965,907.16	1,141,860.40	626.44	26+09.35	36.93 LT
105	1,965,954.70	1,142,216.90	622.29	20+39.81	34.55 LT
106	1,965,965.36	1,142,224.67	622.35	17+20.71	29.69 LT

SITE BENCHMARKS

BM "A" FIRE HYDRANT AT NORTHWEST CORNER OF MONTROSE AVE. AND KOSTNER AVE. NORTH HYDRANT FLANGE (ELEV. 608.37)



NOTES:

- ALL COORDINATES SHOWN ARE BASED UPON THE ILLINOIS STATE PLANE COORDINATE SYSTEM EAST ZONE. MAP COORDINATES REFLECT NAD 83 (2011 ADJ) VALUES
- ALL COORDINATE VALUES SHOWN ARE IN THE U.S. SURVEY FOOT UNITS
- ELEVATIONS REFLECT THE NAVD 88

DATE PLOTTED = 8/15/2019 5:04:48 PM
 PEN TABLE = 0020795.01.tbl
 PLOT CONFIG = C:\VDD\TCAD\CONP\Plotting\ACGI_PDF.ctb
 FILE NAME = N:\PROJ\0828795.01\Design\Sheet\0828795.01-17.dgn



USER NAME = jmatton	DESIGNED - MLH	REVISED -
PLOT SCALE = 128.0000' / in.	DRAWN - MLH	REVISED -
PLOT DATE = 8/15/2019	CHECKED - EPS	REVISED -
	DATE - 8/12/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**F.A.I. 94 (INTERSTATE 94) AT MONTROSE AVENUE
ALIGNMENT, TIES AND BENCHMARKS**

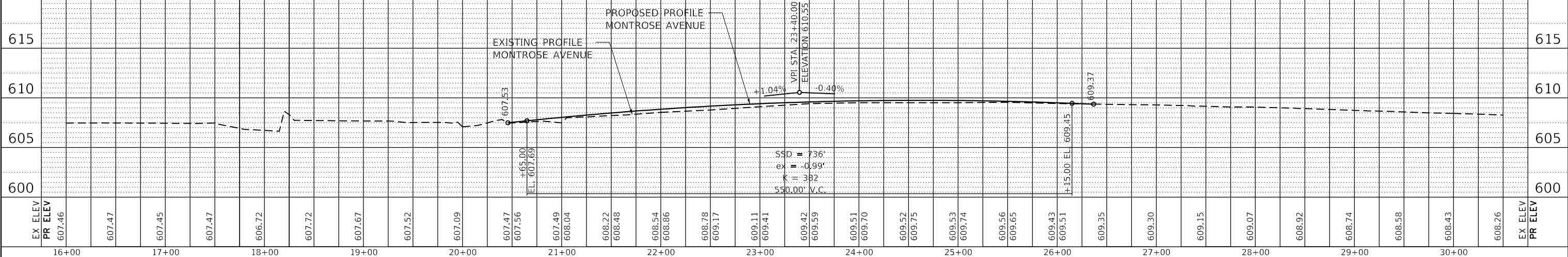
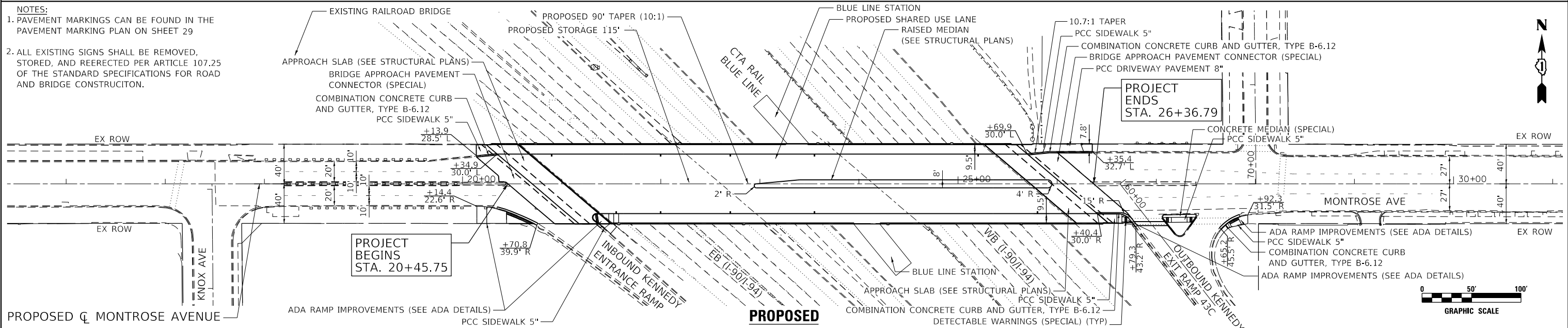
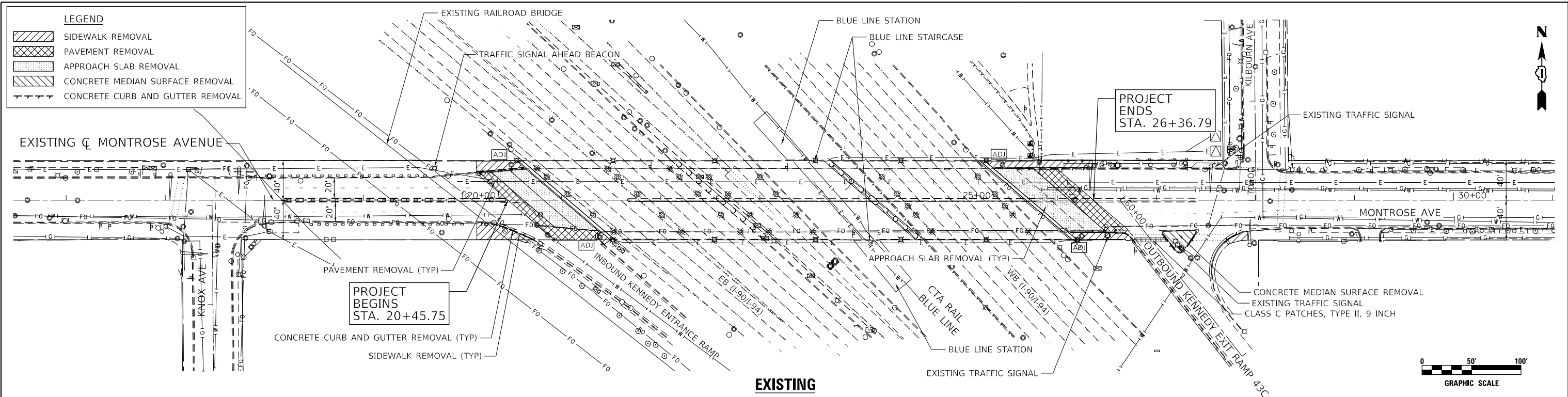
SCALE: 1" = 60' SHEET NO. 1 OF 1 SHEETS STA. 17+00 TO STA. 35+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	267-0101.3-B-R	COOK	120	16
CONTRACT NO. 62F95				
ILLINOIS FED. AID PROJECT NHPP-XG101992				

PLAN	SURVEYED	DATE
	PLOTTED	
	NOTE BOOK	
	NO.	

PROFILE	SURVEYED	DATE
	PLOTTED	
	NOTE BOOK	
	NO.	

DATE PLOTTED = 8/15/2019 5:04:51 PM
 PEN TABLE = C:\VDD\CAD\CONTR\Plotting\ACI_Plot_Pen.tbl
 PLOT CONFIG = N:\VDD\CONTR\5281\Design\A-Proposed\Plan\0829795.dwg
 FILE NAME =



ENGINEERING CONSULTANT		USER NAME = imattson	DESIGNED - MLH	REVISED -	STATE OF ILLINOIS		F.A.I. 94 (INTERSTATE 94) AT MONTROSE AVENUE		F.A.I. RTE. = 94	SECTION = 267-0101.3-B-R	COUNTY = COOK	TOTAL SHEETS = 120	SHEET NO. = 17
CiorbaGroup		PLOT SCALE = 1/8" = 1' @ 11/16"	CHECKED - EPS	REVISED -	DEPARTMENT OF TRANSPORTATION		PLAN AND PROFILE		CONTRACT NO. 62F95		ILLINOIS FED. AID PROJECT NHPP-XG10(992)		
8125 W. Higgins Road, Suite 600 Chicago, IL 60631		PLOT DATE = 8/15/2019	DRAWN - MLH	REVISED -	SCALE: 1"=50'		SHEET NO. 1 OF 1 SHEETS		STA. 15+50 TO STA. 31+00				

SUGGESTED STAGES OF CONSTRUCTION

PRE STAGE

1. THE CONTRACTOR SHALL SET UP DETOUR ROUTE AND SIGNING. SIGNS SHALL REMAIN COVERED UNTIL DETOUR IS IN EFFECT.
2. THE CONTRACTOR SHALL SET UP CHANGEABLE MESSAGE SIGNS AT THE LOCATIONS SHOWN IN THE PLANS A MINIMUM OF TWO WEEKS PRIOR TO THE START OF CONSTRUCTION.

STAGE 1

CONSTRUCTION:

1. REMOVAL OF SOUTH SIDEWALK, SOUTH CURB AND GUTTER, PAVEMENT, MEDIAN, AND BRIDGE DECK AS SHOWN ON PLANS.
2. CONSTRUCT THE SIDEWALK, CURB AND GUTTER, BRIDGE APPROACH PAVEMENT CONNECTOR AND BRIDGE IMPROVEMENTS AS SHOWN ON PLANS.
3. CDOT LIGHTING - DISCONNECT EXISTING CDOT LIGHTING ALONG SOUTH BRIDGE PARAPET. LIGHTING ALONG NORTH BRIDGE PARAPET TO REMAIN IN SERVICE.
4. IDOT LIGHTING - INSTALL TEMPORARY AERIAL CABLE AS NECESSARY TO POWER EXISTING UNDERPASS LIGHTING BENEATH THE STAGE 2 CONSTRUCTION AREA. REMOVE UNDERPASS LIGHTING UNDER THE STAGE 1 AREA ONLY.

MAINTENANCE OF TRAFFIC:

1. SIDEWALK ON THE SOUTH SIDE OF MONTROSE AVENUE AND THE SOUTH ACCESS ONTO THE CTA BLUE LINE MONTROSE STOP SHALL BE CLOSED.
2. THE CONTRACTOR SHALL PLACE TEMPORARY PAVEMENT MARKINGS, TEMPORARY CONCRETE BARRIER WALL, AND BARRICADES AT THE LOCATIONS SHOWN IN THE PLANS.
3. INSTALL STOP SIGNS AT EXISTING TRAFFIC SIGNALS AT MONTROSE AVENUE/WESTBOUND I-90/94 EXIT RAMP/KILBOURN AVENUE. TRAFFIC SIGNAL SHALL BE PLACED IN "FLASHING RED" MODE FOR ALL APPROACHES.
4. MONTROSE AVENUE WILL BE CLOSED FOR THE DURATION OF THE PROJECT TO VEHICULAR TRAFFIC. TRAFFIC WILL BE DETOURED USING CICERO AVENUE (IL-50), IRVING PARK ROAD (IL-19), AND PULASKI ROAD.
5. EASTBOUND LANE CLOSURE ON MONTROSE SHALL FOLLOW IDOT STANDARD 701606 AND TRAFFIC WILL ONLY BE ABLE TO ENTER RAMP ONTO EASTBOUND I-90/94. LANE CLOSURE ON NORTHBOUND I-90/94 EXIT RAMP 43C TO WESTBOUND MONTROSE AVENUE SHALL FOLLOW DISTRICT STANDARD TC-17. RAMPS SHALL REMAIN OPEN AT ALL TIMES. ALL RAMP CLOSURES SHALL BE APPROVED BY THE ENGINEER.
6. SIDEWALK ON THE NORTH SIDE OF MONTROSE AVENUE SHALL BE MAINTAINED FOR PEDESTRIAN ACCESS ONTO THE CTA BLUE LINE NORTH MONTROSE STATION AND MUST BE OPEN AT ALL TIMES.
7. SHOULDER CLOSURES, LANE CLOSURES, AND FULL CLOSURES OF I-90/94 SHALL FOLLOW DISTRICT STANDARD TC-17 AND IDOT STANDARDS 701401, 701428, 701446 IN ACCORDANCE WITH THE KEEPING THE EXPRESSWAY OPEN TO TRAFFIC SPECIAL PROVISION. WORK CANNOT BE DONE ON BOTH SHOULDERS AT THE SAME TIME.

STAGE 2

CONSTRUCTION:

1. REMOVAL OF NORTH SIDEWALK, CURB AND GUTTER, PAVEMENT, MEDIAN, AND BRIDGE AS SHOWN ON PLANS.
2. CONSTRUCT THE SIDEWALK, CURB AND GUTTER, BRIDGE APPROACH PAVEMENT CONNECTOR AND BRIDGE IMPROVEMENTS AS SHOWN ON PLANS.
3. CDOT LIGHTING - INSTALL AND ENERGIZE PROPOSED LIGHTING ALONG SOUTH BRIDGE PARAPET.
4. IDOT LIGHTING - REMOVE REMAINING UNDERPASS LIGHTING.

MAINTENANCE OF TRAFFIC:

1. THE CONTRACTOR SHALL PLACE TEMPORARY PAVEMENT MARKINGS, TEMPORARY CONCRETE BARRIER WALL, AND BARRICADES AT THE LOCATIONS SHOWN IN THE PLANS. THE NEWLY CONSTRUCTED SOUTH SIDE OF THE BRIDGE WILL BE OPEN TO PEDESTRIANS.
2. SAME AS STAGE 1 EXCEPT FOR PEDESTRIAN TRAFFIC WILL BE ON NEWLY CONSTRUCTED SIDEWALK ON THE SOUTHSIDE OF MONTROSE AVENUE.

SPECIAL NOTES

1. SIDEWALK ON THE OUTSIDE OF THE MONTROSE BRIDGE SHALL REMAIN OPEN TO PEDESTRIANS AT ALL TIMES DURING CONSTRUCTION TO MAINTAIN ACCESS TO THE CTA STATION. CTA STATION ACCESS SHALL BE MAINTAINED ON AT LEAST ONE SIDE AT ALL TIMES. A MINIMUM SIDEWALK CLEAR ZONE WIDTH TO BE OPEN AT ALL TIMES SHALL BE 5 FOOT.
2. SIDEWALK LOCATED AT 25+80 LT SHALL BE MAINTAINED DURING ALL STAGES OF CONSTRUCTION.
3. ON AND OFF RAMPS TO AND FROM THE JFK EXPRESSWAY TO MONTROSE AVENUE ARE TO REMAIN OPEN AT ALL TIMES WITH LIMITED NIGHT TIME CLOSURE, IF APPROVED BY THE DEPARTMENT IN ADVANCE.
4. THE CONTRACTOR SHALL REQUEST AND GAIN APPROVAL FROM THE ILLINOIS DEPARTMENT OF TRANSPORTATION'S EXPRESSWAY TRAFFIC OPERATIONS ENGINEER AT WWW.IDOTLCS.COM TWENTY-FOUR (24) HOURS IN ADVANCE OF ALL DAILY LANE, RAMP AND SHOULDER CLOSURES AND 7 DAYS IN ADVANCE OF ALL PERMANENT AND WEEKEND CLOSURE ON ALL FREEWAYS AND/OR EXPRESSWAYS IN DISTRICT ONE. THIS ADVANCED NOTIFICATION IS CALCULATED BASED ON WORK WEEK OF MONDAY THROUGH FRIDAY AND SHALL NOT INCLUDE WEEKENDS OR HOLIDAYS.
5. ACCESS TO COMMERCIAL ENTRANCES MUST REMAIN OPEN AT ALL TIMES.
6. NEWSPAPER BOXES AND BENCHES IN THE CONSTRUCTION ZONE SHALL BE REMOVED, STORED, AND REINSTALLED BY THE CONTRACTOR. THIS WORK SHALL BE INCLUDED IN THE COST OF REMOVAL OF EXISTING SUPERSTRUCTURE.
7. CONTRACTOR TO PLACE AND SECURE FENCE IN FRONT OF CTA STAIRWAYS ON UPPER AND LOWER LEVELS BEFORE EACH STAGE OF CONSTRUCTION TO PREVENT PEDESTRIANS FROM ENTERING WORK ZONE. THE CONTRACTOR SHALL PROVIDE SUFFICIENT BARRICADES AND/OR FENCE ON CTA PLATFORM TO PREVENT PEDESTRIAN ACCESS UNDER MONTROSE AVENUE.
8. BRIDGE REMOVAL AND RECONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE KEEPING THE EXPRESSWAY OPEN TO TRAFFIC AND CTA FLAGGING AND COORDINATION SPECIAL PROVISIONS.
9. CONTRACTOR MUST REFER TO "KEEPING THE EXPRESSWAY OPEN TO TRAFFIC" AND "BRIDGE DEMOLITION AND ERECTION" CONTRACT SPECIAL PROVISIONS FOR CLARIFICATION ON TRAFFIC CONTROL AND ALLOWABLE LANE CLOSURE HOURS FOR FULL STOPS TO EXECUTE DEMOLITION AND ERECTION OF BEAMS.
10. CONTRACTOR MUST SUBMIT TO THE BUREAU OF TRAFFIC A MAINTENANCE OF TRAFFIC PLAN (MOT) FOR ALL PROPOSED FULL STOPS, PLAN MUST INCLUDE LOCATION OF ALL EQUIPMENT USED TO PICK AND SET BEAMS DURING ERECTION AND DEMOLITION OF ALL BEAMS AND LOCATION OF ANY STRUCTURAL SUPPORT STRUCTURE APPURTENANCES.

DATE PLOTTED = 8/15/2019 5:04:54 PM
 PEN TABLE = 00207755.tbl
 PLOT CONFIG = C:\VDDOT\CAO\CON\Flotting\ACI.Plot.ctb
 FILE NAME = N:\VDDOT\08287755.tbl\Design\Staging\Description.dgn



ENGINEERING CONSULTANT	USER NAME = jmatton	DESIGNED - MLH	REVISED -
		DRAWN - MLH	REVISED -
	PLOT SCALE = 2.0000' / in.	CHECKED - EPS	REVISED -
	PLOT DATE = 8/15/2019	DATE - 8/12/2019	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.I. 94 (INTERSTATE 94) AT MONTROSE AVENUE
SUGGESTED STAGES OF CONSTRUCTION

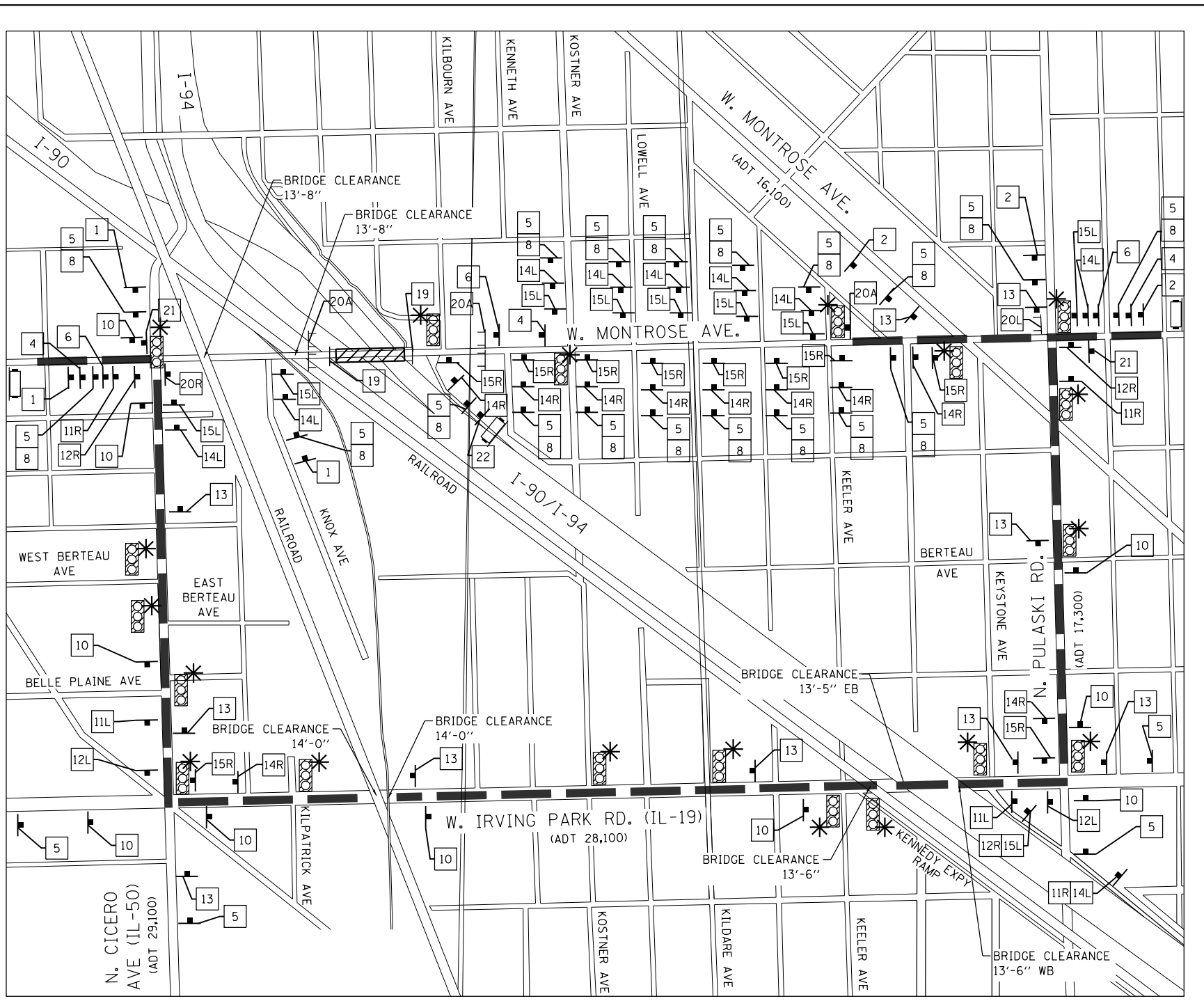
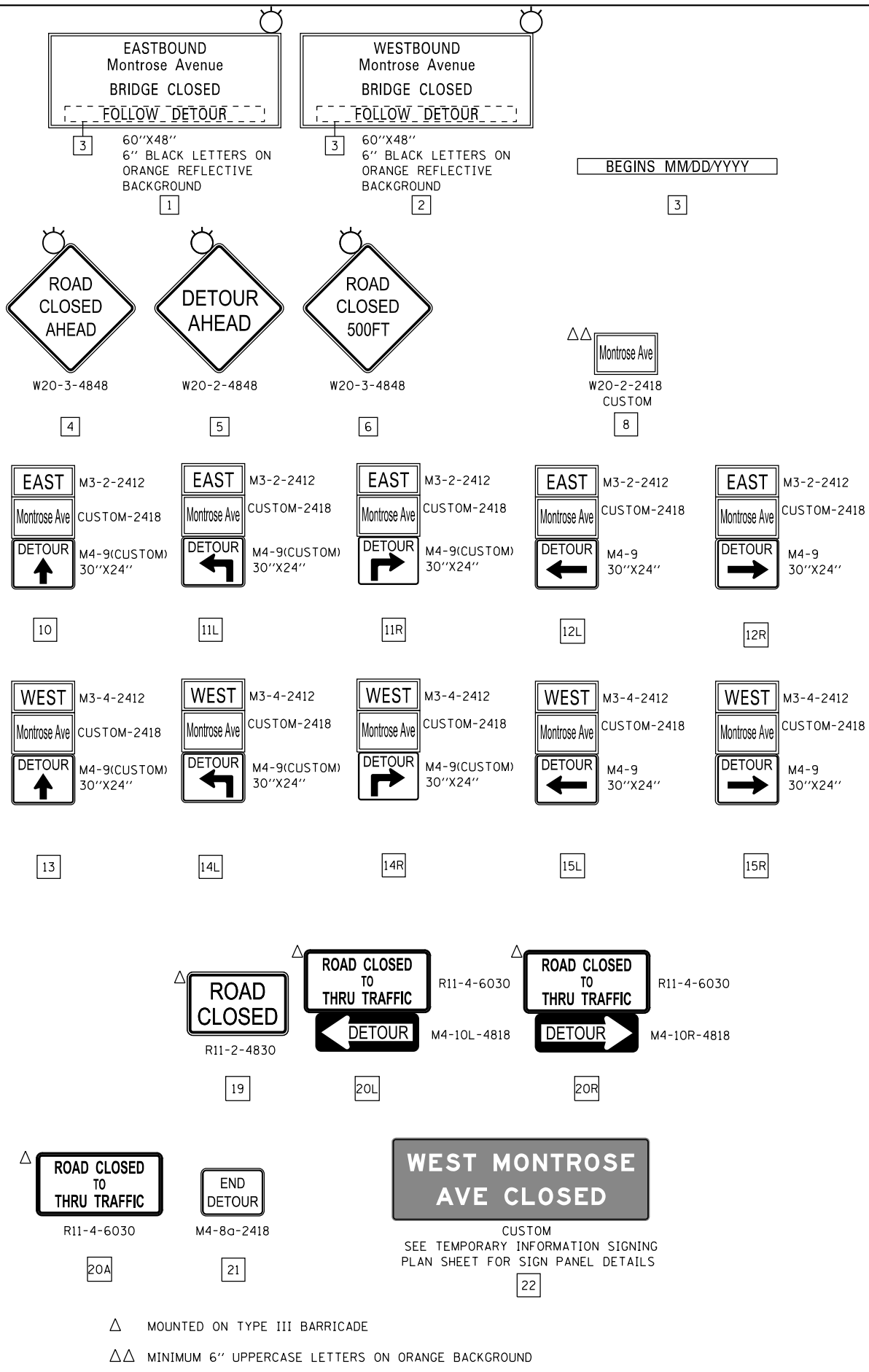
SCALE: 1" = 50' SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	267-0101.3-B-R	COOK	120	18
CONTRACT NO.			62F95	
ILLINOIS FED. AID PROJECT NHPP-XG101992				

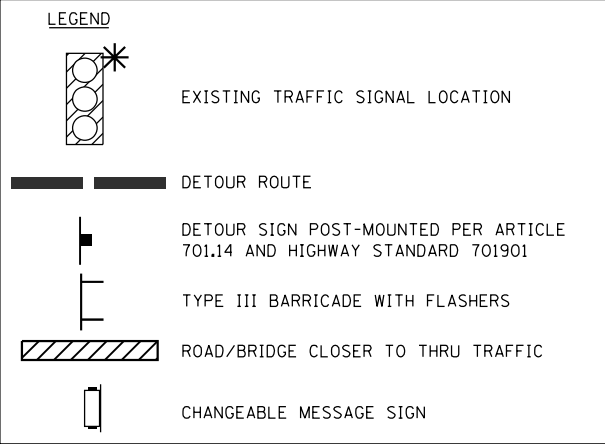
DATE	
BY	
PLAN	SURVEYED
	NOTED
	PLOTTED
	ALIGNED
	CHECKED
	DESIGNED
	FILED
	NO. _____
	NAME _____

DATE	
BY	
PROFILE	SURVEYED
	GRADES
	CHECKED
	STRUCTURE
	NOTATIONS
	CHKD
	NO. _____
	NAME _____

DATE PLOTTED = 8/15/2019 5:04:56 PM
 PEN TABLE = C:\VDD\TCAD\CAD\NIP\letting\ACI\ppl\cpl\g
 PLOT CONFIG = N:\VDD\000287\5281\Design\1\000287\5281.dwg
 FILE NAME =



- NOTES:**
- SIGN 1 WITH SIGN 3 COVERING SHALL BE PLACED TWO (2) WEEK PRIOR TO CLOSURE. REMOVE SIGN 3 ONCE DETOUR BEGINS.
 - ROAD CLOSURE SIGNAGE SHALL NOT BE INSTALLED ON ANY STREET LIGHT POLES OR SIGNAL POLES.
 - ROAD CLOSURE SIGNAGE SHALL NOT BLOCK ANY EXISTING SIGNS AND CANNOT USE THE EXISTING SIGN POSTS.
 - TYPE III BARRICADE PLACEMENT SHALL FOLLOW HIGHWAY STANDARD 701901.
 - SIGN SPACING SHALL FOLLOW DISTRICT 1 DETAIL TC-21 UNLESS NOTED ON PLAN, OR AS DIRECTED BY THE ENGINEER.
 - PLAN NOT TO SCALE.



ENGINEERING CONSULTANT

 8725 W. Higgins Road, Suite 600 Chicago, IL 60631
 P 773.775.4009 | www.ciorba.com

USER NAME = imattson	DESIGNED - MLH	REVISED -
PLOT SCALE = 800,0000' / in.	CHECKED - EPS	REVISED -
PLOT DATE = 8/15/2019	DRAWN - MLH	REVISED -
	CHECKED - 8/12/2019	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**F.A.I. 94 (INTERSTATE 94) AT MONTROSE AVENUE
 DETOUR PLAN**

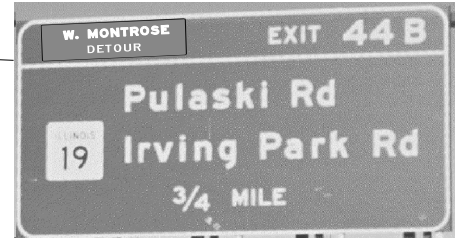
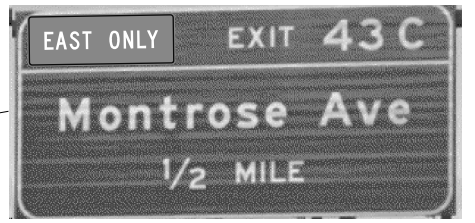
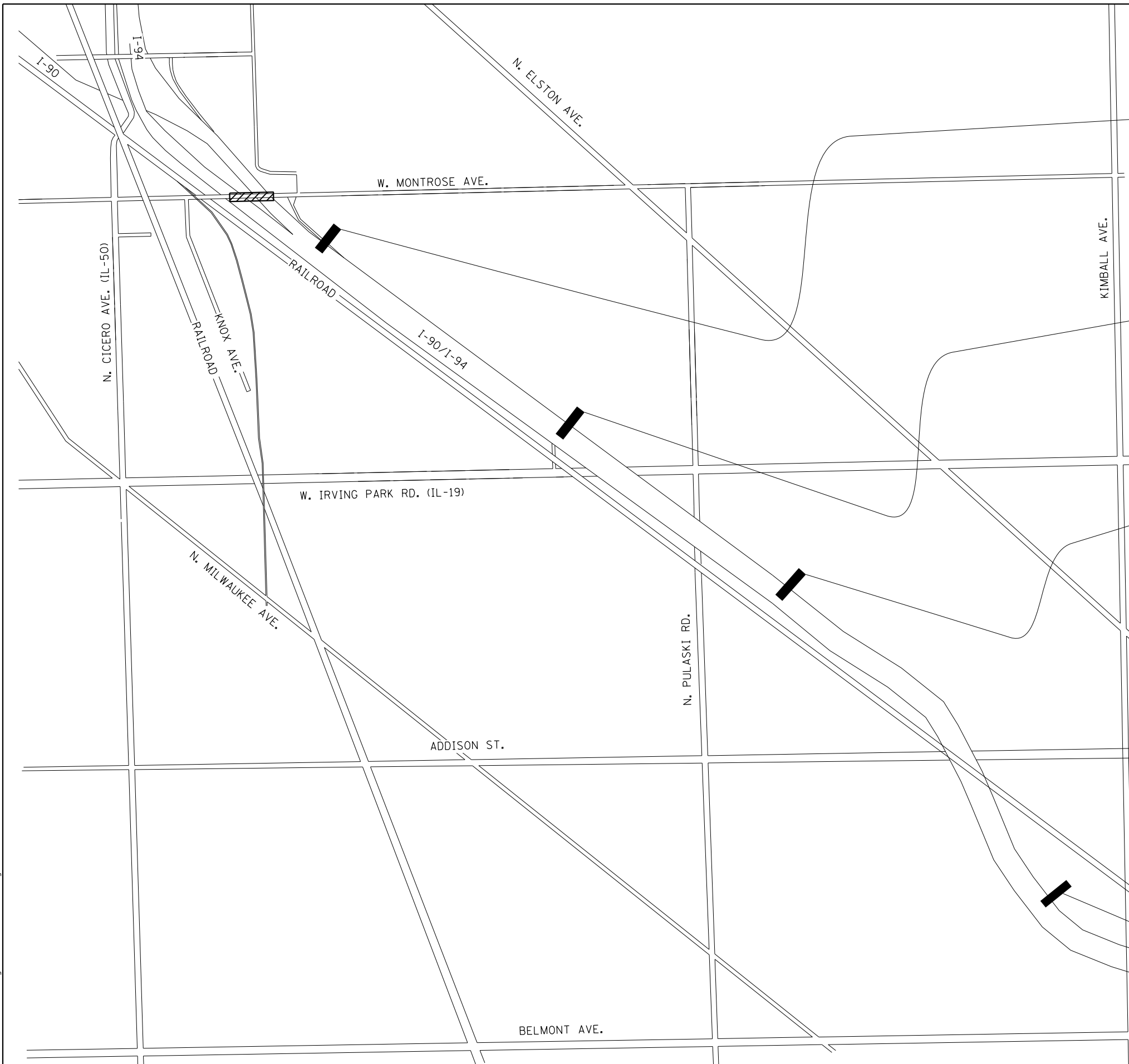
SCALE: N.T.S. SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.I. RTE. 94	SECTION 267-0101.3-B-R	COUNTY COOK	TOTAL SHEETS 120	SHEET NO. 19
CONTRACT NO. 62F95				ILLINOIS FED. AID PROJECT NHPP-XG1019921

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

PROFILE	SURVEYED	DATE
NOTE BOOK	GRADES CHECKED	BY
NO.	STRUCTURE	
	NOT AT THIS OFFICE	

DATE PLOTTED = 8/15/2019 5:04:59 PM
 PEN TABLE = C:\VDD\TCAD\CON\Plotting\CGI_Plot.ctb
 PLOT CONFIG = N:\PROJ\0828775\01\Design\VD1\0828775.dwg
 FILE NAME =



NOTE:
 SEE TEMPORARY INFORMATION SIGNING
 PLAN SHEET FOR SIGN PANEL DETAILS

ENGINEERING CONSULTANT
 CiorbaGroup
 8725 W. Higgins Road, Suite 600 Chicago, IL 60631
 P 773.775.0009 | www.ciorba.com

USER NAME =	imattson
DESIGNED -	MLH
CHECKED -	EPS
REVISOR -	
PLOT SCALE =	1000.0000' / in.
DRAWN -	MLH
REVISOR -	
PLOT DATE =	8/12/2019
CHECKED -	8/12/2019
REVISOR -	

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

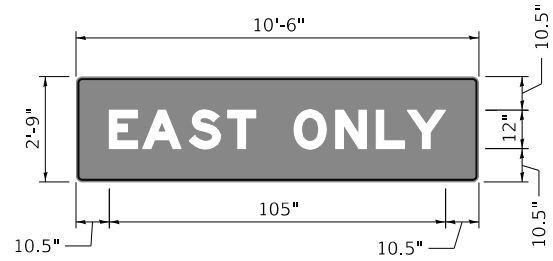
**F.A.I. 94 (INTERSTATE 94) AT MONTROSE AVENUE
 TEMPORARY EXPRESSWAY SIGNING PLAN**

SCALE: 1" = 50' SHEET NO. 1 OF 1 SHEETS STA. TO STA.

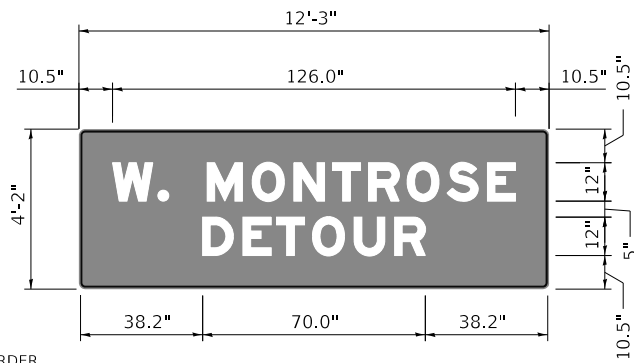
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	267-0101.3-B-R	COOK	120	20
CONTRACT NO. 62F95				
ILLINOIS FED. AID PROJECT NHPP-XG101992				

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	GRADES CHECKED		
	ALIGNMENT CHECKED		
	STRUCTURE NOTATIONS CHECKED		
	FILE NAME		
	NO.		

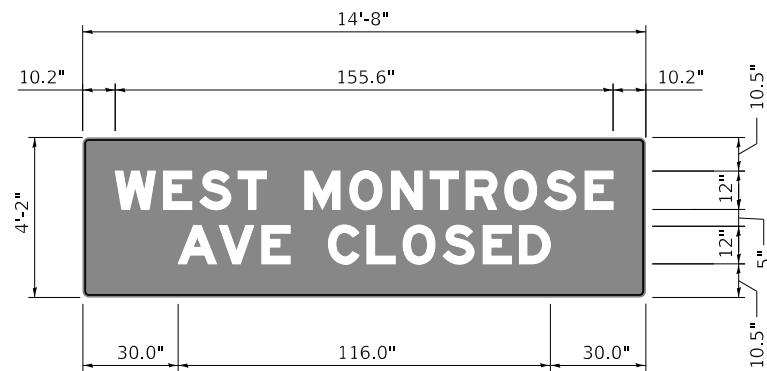
PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	GRADES CHECKED		
	ALIGNMENT CHECKED		
	STRUCTURE NOTATIONS CHECKED		
	FILE NAME		
	NO.		



BORDER
R=1.5"
TH=0.63"
IN=0.47"
Panel Style: construction_guide.ssi
M.U.T.C.D.: 2012 Edition



BORDER
R=1.5"
TH=0.63"
IN=0.47"
Panel Style: construction_guide.ssi
M.U.T.C.D.: 2012 Edition



BORDER
R=1.5"
TH=0.63"
IN=0.47"
Panel Style: construction_guide.ssi
M.U.T.C.D.: 2012 Edition

DATE PLOTTED = 8/15/2019 5:05:02 PM
PEN TABLE = C:\VDD\TCAD\CCNP\Plotting\CGI_Plot.ctb
FILE NAME = N:\PROJ\0828775\01\Design\VD1\0828775.dwg, mo 08.dgn



USER NAME = imattson	DESIGNED - MLH	REVISED -
	CHECKED - EPS	REVISED -
PLOT SCALE = 1000.0000' / in.	DRAWN - MLH	REVISED -
PLOT DATE = 8/15/2019	CHECKED - 8/12/2019	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

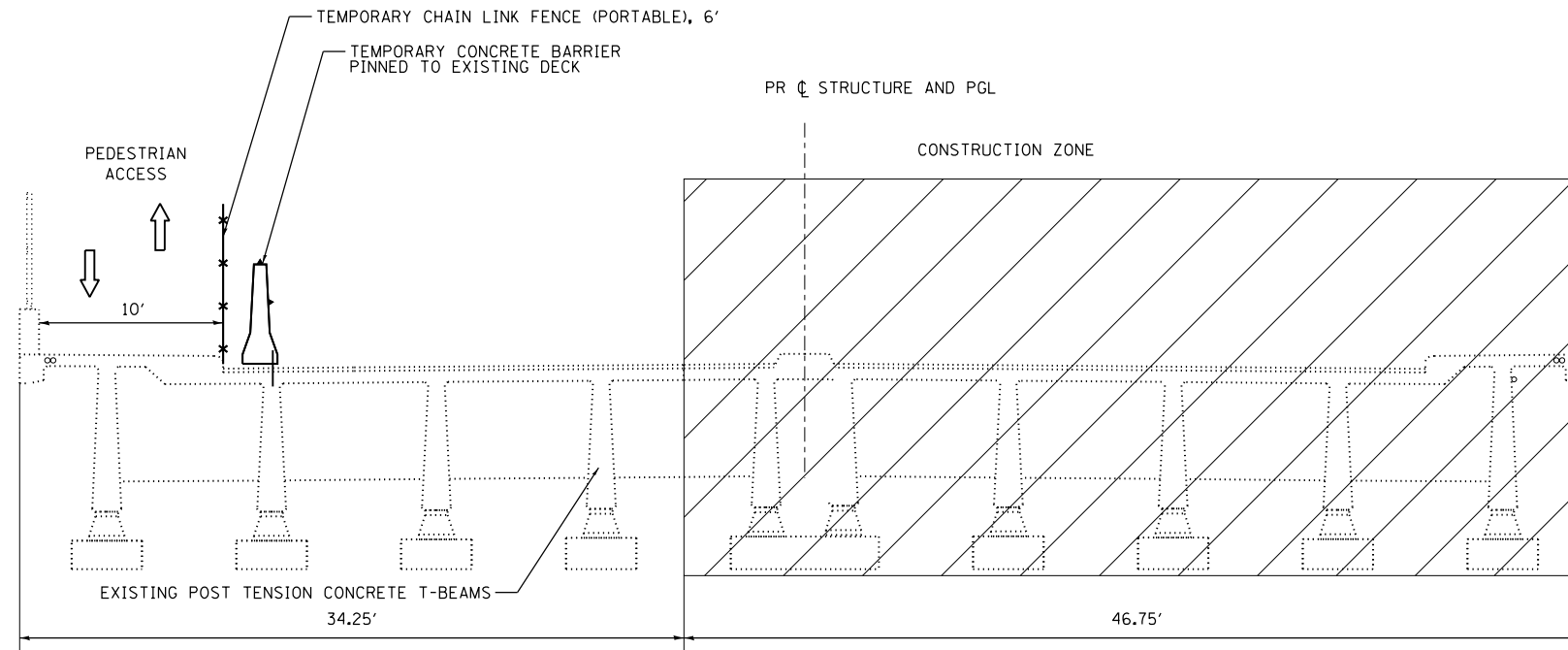
F.A.I. 94 (INTERSTATE 94) AT MONTROSE AVENUE
TEMPORARY INFORMATION SIGNING

SCALE: 1" = 50' SHEET NO. OF SHEETS STA. TO STA.

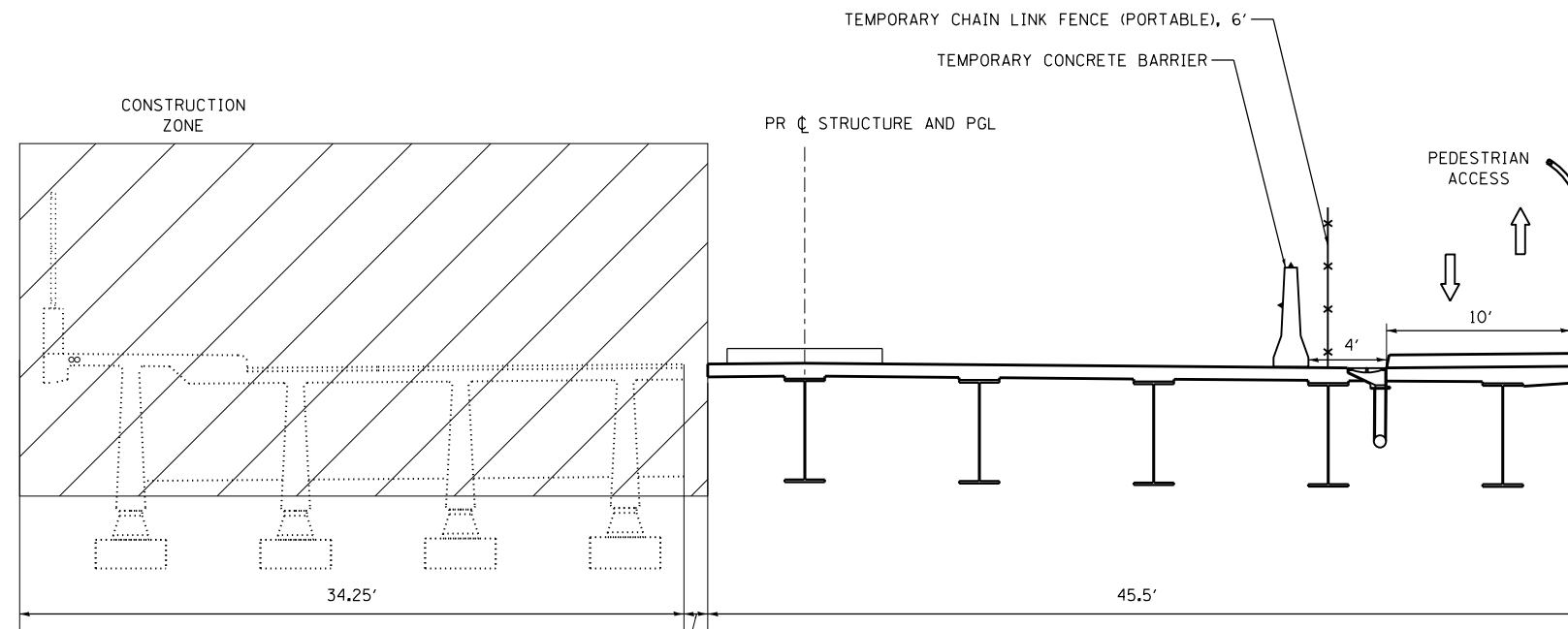
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	267-0101.3-B-R	COOK	120	21
CONTRACT NO. 62F95				
ILLINOIS FED. AID PROJECT NHPP-XG101992				

PLAN	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	ALIGNMENT CHECKED	
	STRUCTURE NOT AT THIS CHFD	
	NOTE BOOK NO.	
	FILE NAME	

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	ALIGNMENT CHECKED	
	STRUCTURE NOT AT THIS CHFD	
	NOTE BOOK NO.	
	FILE NAME	



STAGE I REMOVAL
N.T.S.
(LOOKING EAST)



STAGE II REMOVAL
N.T.S.
(LOOKING EAST)

DATE PLOTTED = 8/15/2019 5:05:08 PM
PEN TABLE = 0420755.01.tbl
PLOT CONFIG = C:\VDD\TCAD\CCNP\getting\CGI.ppt.ctb
FILE NAME = N:\PROJ\0828755.tbl\Design\VD1\0828755.plt_mo_02.dgn

ENGINEERING CONSULTANT
CiorbaGroup
8125 W. Higgins Road, Suite 600 Chicago, IL 60631
P 773.775.6009 | www.ciorba.com

USER NAME = imatton	DESIGNED - MLH	REVISED -
	CHECKED - EPS	REVISED -
PLOT SCALE = 100.0000' / in.	DRAWN - MLH	REVISED -
PLOT DATE = 8/15/2019	CHECKED - 8/12/2019	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.I. 94 (INTERSTATE 94) AT MONTROSE AVENUE
MAINTENANCE OF TRAFFIC

SCALE: N.T.S. SHEET NO. 1 OF 3 SHEETS STA. TO STA.

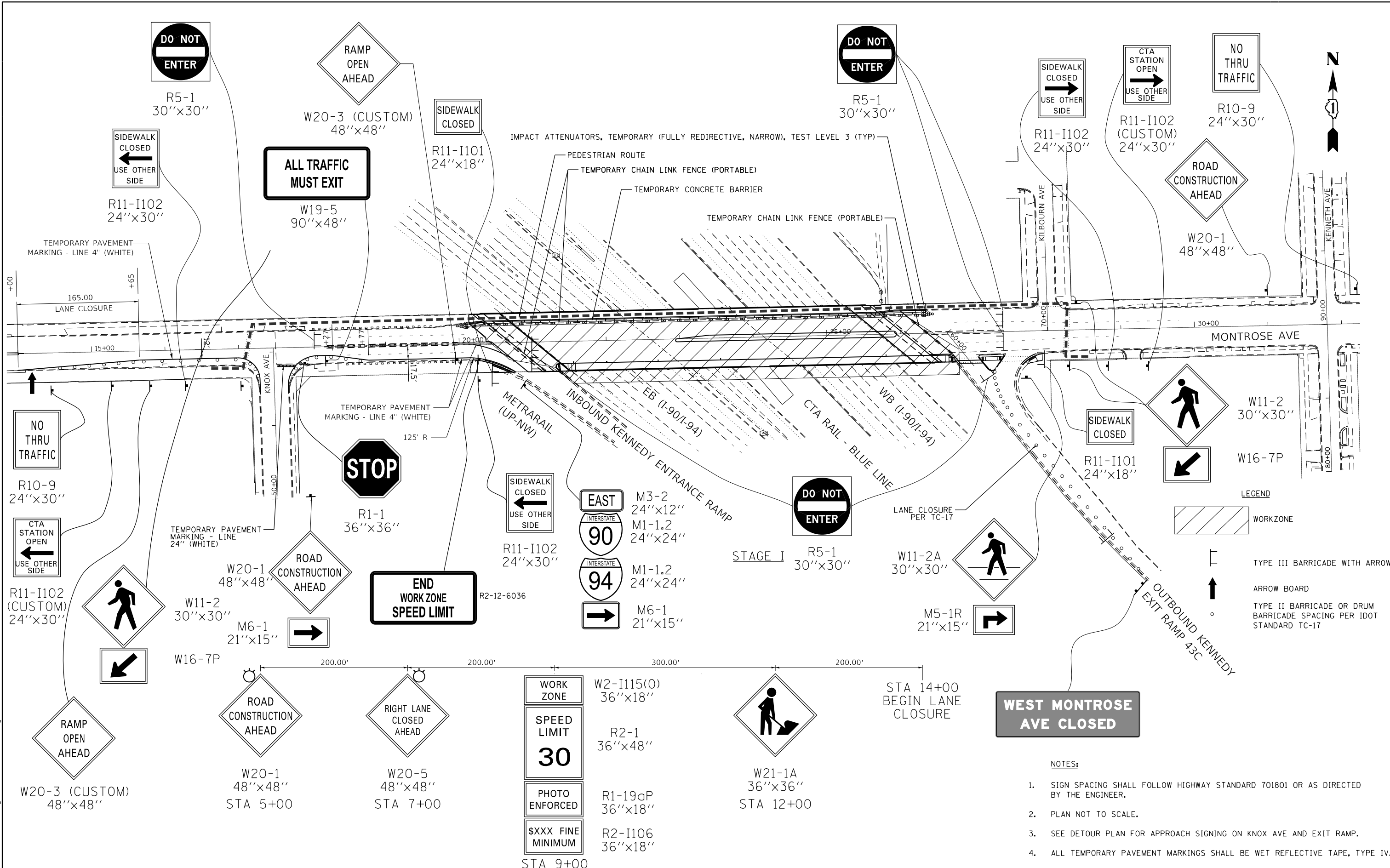
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	267-0101.3-B-R	COOK	120	22
CONTRACT NO. 62F95				

ILLINOIS FED. AID PROJECT NHPP-XG101992

PLAN	SURVEYED	DATE
	PLOTTED	BY
	ALIGNED	
	CHECKED	
	FILED	
	CARD	
	FILE	
	NAME	
	NO.	

PROFILE	SURVEYED	DATE
	PLOTTED	BY
	GRADES	
	CHECKED	
	STRUCTURE	
	NOTATION	
	CHORD	
	NO.	

DATE PLOTTED = 8/15/2019 5:05:10 PM
 PEN TABLE = C:\VDD\TCAD\CCNP\getting\COL\pdp.ctb
 PLOT CONFIG = AS\PROJ\08287\521\Design\VD1\08287521.dwg,pl,mo,02.dgn



ADVANCED SIGNING DETAIL

WEST MONTROSE AVE CLOSED

- NOTES:
- SIGN SPACING SHALL FOLLOW HIGHWAY STANDARD 701801 OR AS DIRECTED BY THE ENGINEER.
 - PLAN NOT TO SCALE.
 - SEE DETOUR PLAN FOR APPROACH SIGNING ON KNOX AVE AND EXIT RAMP.
 - ALL TEMPORARY PAVEMENT MARKINGS SHALL BE WET REFLECTIVE TAPE, TYPE IV.
 - LIGHTS ON BARRICADES SHALL FOLLOW LIGHTS ON BARRICADE SPECIAL PROVISION.

ENGINEERING CONSULTANT
CiorbaGroup
 8725 W. Higgins Road, Suite 600 Chicago, IL 60631
 P 773.775.4009 | www.ciorba.com

USER NAME = jmatton	DESIGNED - MLH	REVISIONS
PLLOT SCALE = 1/28.0000' = 1\"/>		

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

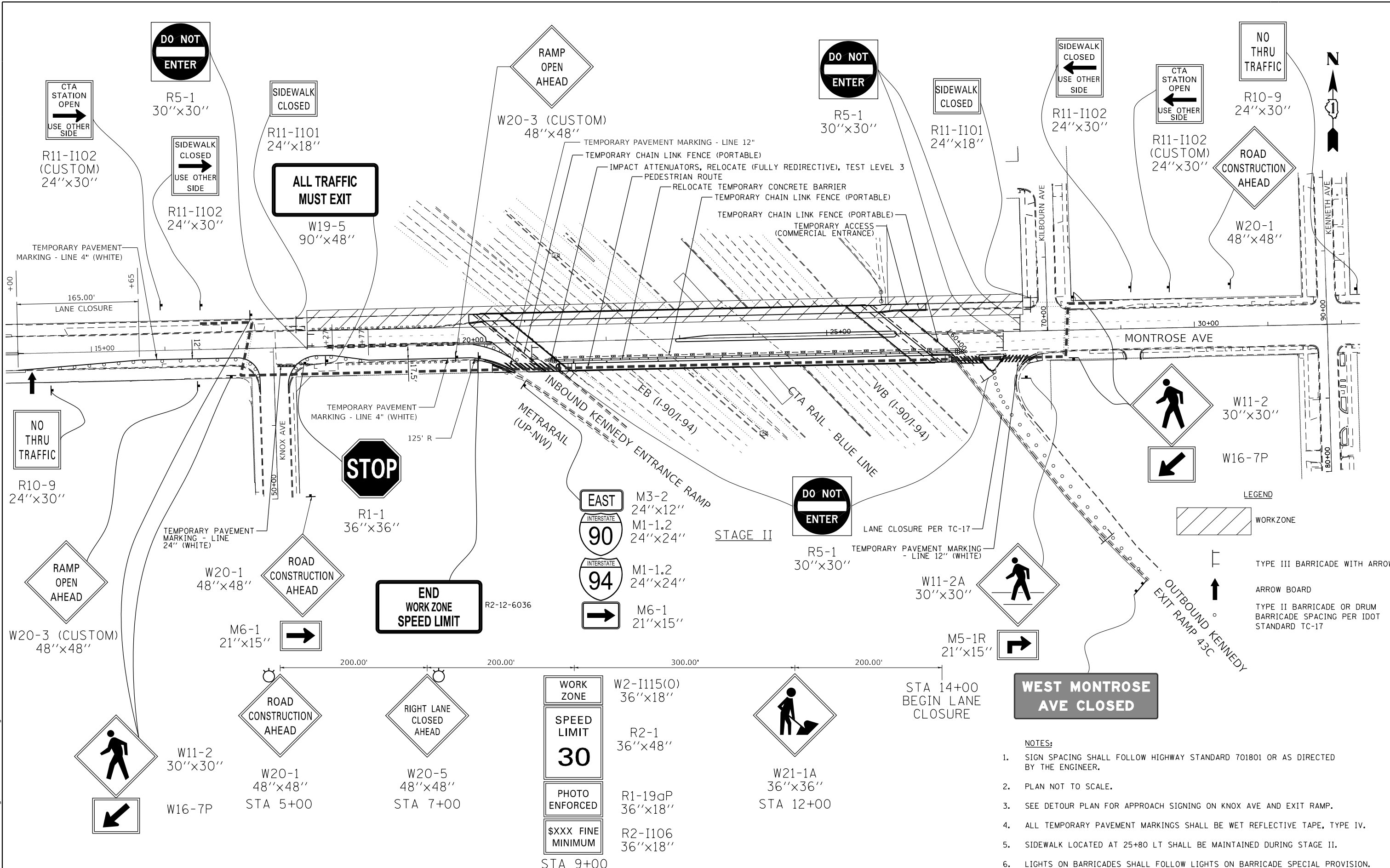
F.A.I. 94 (INTERSTATE 94) AT MONTROSE AVENUE
 MAINTENANCE OF TRAFFIC
 SCALE: N.T.S. SHEET NO. 2 OF 3 SHEETS STA. 14+00 TO STA. 32+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	267-0101.3-B-R	COOK	120	23
CONTRACT NO. 62F95				
ILLINOIS FED. AID PROJECT NHP-1XG101992				

PLAN	SURVEYED	DATE
	PLOTTED	BY
	NOTES CHECKED	
	ALIGNMENT CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	CARD FILE NAME	

PROFILE	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	CARD FILE NAME	

DATE PLOTTED = 8/15/2019 5:05:12 PM
 PEN TABLE = 0420755.01.tbl
 PLOT CONFIG = C:\VDD\TCAD\CCNP\Plotting\ACI.ctb
 FILE NAME = N:\VDD\108287\108287.dwg



WEST MONTROSE AVE CLOSED

- NOTES:
- SIGN SPACING SHALL FOLLOW HIGHWAY STANDARD 701801 OR AS DIRECTED BY THE ENGINEER.
 - PLAN NOT TO SCALE.
 - SEE DETOUR PLAN FOR APPROACH SIGNING ON KNOX AVE AND EXIT RAMP.
 - ALL TEMPORARY PAVEMENT MARKINGS SHALL BE WET REFLECTIVE TAPE, TYPE IV.
 - SIDEWALK LOCATED AT 25+80 LT SHALL BE MAINTAINED DURING STAGE II.
 - LIGHTS ON BARRICADES SHALL FOLLOW LIGHTS ON BARRICADE SPECIAL PROVISION.

ADVANCED SIGNING DETAIL

ENGINEERING CONSULTANT
 CiorbaGroup
 8725 W. Higgins Road, Suite 600 Chicago, IL 60631
 P 773.775.4009 | www.ciorba.com

USER NAME = jmatton	DESIGNED - MLH	REVISIONS
	CHECKED - EPS	REVISIONS
PLOT SCALE = 1/28.0000" = 1" = 100'	DRAWN - MLH	REVISIONS
PLOT DATE = 8/15/2019	CHECKED - 8/12/2019	REVISIONS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.I. 94 (INTERSTATE 94) AT MONTROSE AVENUE
MAINTENANCE OF TRAFFIC

SCALE: N.T.S. SHEET NO. 3 OF 3 SHEETS STA. 14+00 TO STA. 32+00

F.A.I. RTE. 94	SECTION 267-0101.3-B-R	COUNTY COOK	TOTAL SHEETS 120	SHEET NO. 24
CONTRACT NO. 62F95				ILLINOIS FED. AID PROJECT NHPP-XG101992

PLAN	SURVEYED	DATE
NOTE BOOK NO.	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	

PROFILE	SURVEYED	DATE
NOTE BOOK NO.	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	

DATE PLOTTED = 8/15/2019 5:05:14 PM
 PEN TABLE = 0420795.01.tbl
 PLOT CONFIG = C:\VDD\TCAD\CCNP\Plotting\ACGI_PDF.ctb
 FILE NAME = N:\VDD\267-0101.3-B-R\Design\VD1\267-0101.3-B-R\1015c-01.dgn

TEMPORARY TRAFFIC SIGNING															
	W20-1	W20-5	W2-1115(O), R2-1, R-19OP, R2-1106	W21-1A	R11-1102 (CUSTOM)	R11-1102	W19-5	R11-1101	W20-3 (CUSTOM)	M6-1	R2-12-60 36	M3-2, M1-1.2(x2), M6-1	R1-1	R5-1	W11-2, W16-7P
STAGE I															
STA 5+00	1														
STA 7+00		1													
STA 9+00			1												
STA 12+00				1											
STA 16+00					1										
STA 16+50									1						
STA 17+00						1									2
STA 18+25							1							1	
STA 20+00									1						
STA 20+25								1		1					
STA 21+00														1	
STA 26+85								1							
STA 27+00														2	
STA 28+25						1									
STA 28+50					1										2
STA 29+00	1														
KNOX AVE	1									1			1		
EB KENNEDY RAMP												1		1	
STAGE II															
STA 5+00	1														
STA 7+00		1													
STA 9+00			1												
STA 12+00				1											
STA 16+00															
STA 16+50					1										
STA 17+00						1			1						2
STA 17+75								1							
STA 18+25							1							1	
STA 20+00									1						
STA 20+25										1				1	
STA 27+75								1						2	
STA 28+25						1									2
STA 28+75								1							
STA 29+25	1														
KNOX AVE	1									1			1		
EB KENNEDY RAMP											1			1	

STREET	DETOUR SIGN GROUP																					
	1	2	3	4	5	6	8	10	11L	11R	12L	12R	13	14L	14R	15L	15R	19	20L	20R	20A	21
MONTROSE AVE	1	1	2	3	3	3	3			1		1		1	1	1	1	2	1	1	3	2
CICERO AVE	1		1		2		1	3	1		1		3	1		1						
IRVING PARK RD					2			4	1		1		4		1		1					
PULAKI RD		1	1		2		1	3		1		1	2		1		1					
ELSTON AVE		1	1		1		1						1									
SIDE ROADS	1		1		13			13		1		1		6	7	6	7					
TOTAL	3	3	6	4	23	2	19	10	2	3	2	3	10	8	10	8	10	2	1	1	3	2

NOTE: REFER TO DETOUR PLAN FOR INFORMATION ON SIGN GROUPS, SEE SHEET: 19

TEMPORARY INFORMATION SIGNS	EAST ONLY*	W. MONTROSE DETOUR*	WEST MONTROSE AVE CLOSED*	ROAD WORK AHEAD EXPECT DELAYS
I-90/94	3 SIGNS AT 28.9 SQ FT	2 SIGNS AT 51.0 SQ FT	1 SIGN AT 61.2 SQ FT	4 SIGNS AT 25.7 SQ FT

*REFER TO TEMPORARY EXPRESSWAY SIGNING PLAN FOR LOCATIONS



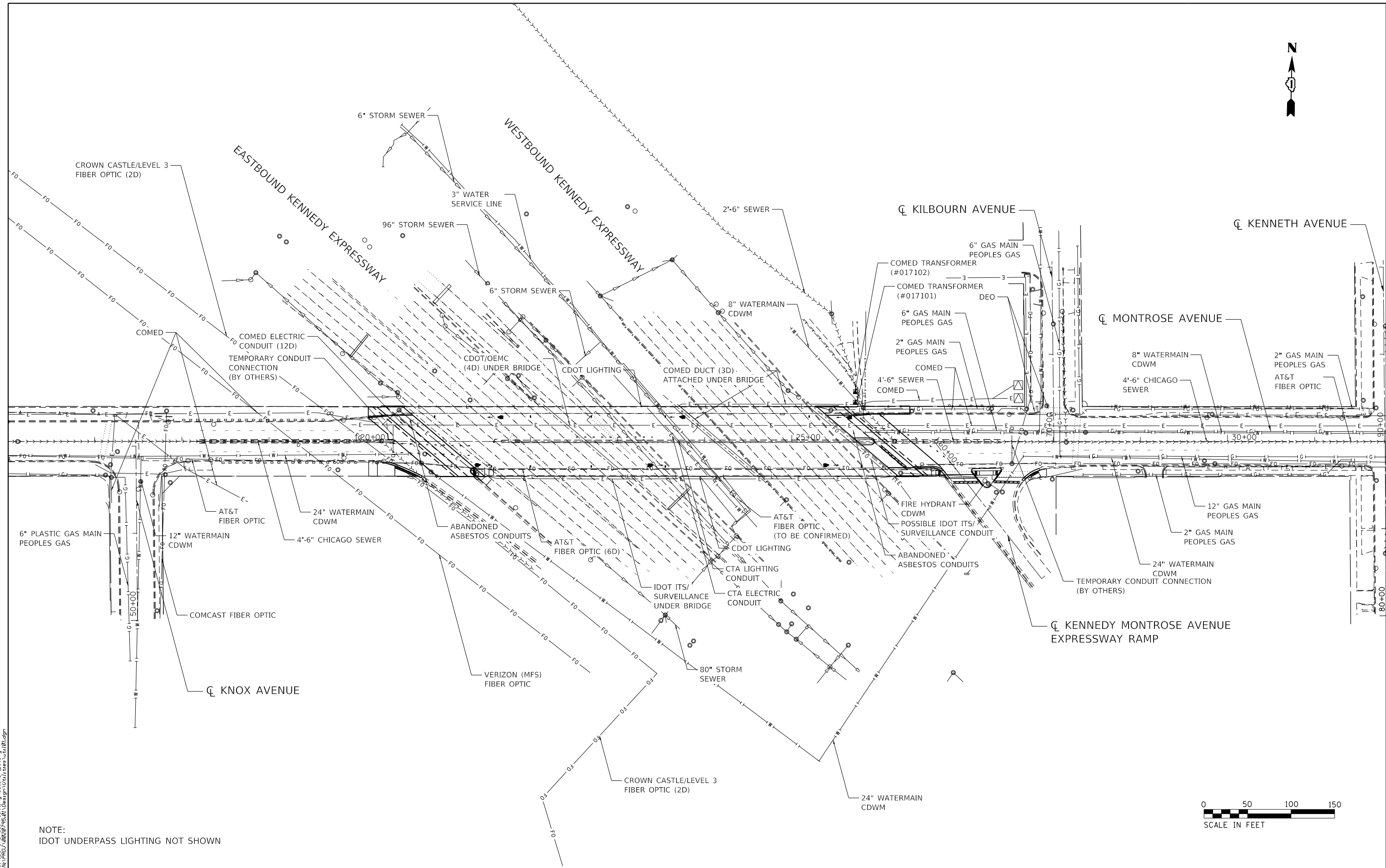
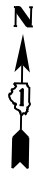
ENGINEERING CONSULTANT	USER NAME = imattson	DESIGNED - MLH	REVISED -
		CHECKED - EPS	REVISED -
	PLOT SCALE = 800.0000 "/> <td>DRAWN - MLH</td> <td>REVISED -</td>	DRAWN - MLH	REVISED -
	PLOT DATE = 8/15/2019	CHECKED - 8/12/2019	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.I. 94 (INTERSTATE 94) AT MONTROSE AVENUE
MOT SCHEDULES

SCALE: N.T.S. SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	267-0101.3-B-R	COOK	120	25
CONTRACT NO. 62F95				
ILLINOIS FED. AID PROJECT NHPP-XG101992				



NOTE:
IDOT UNDERPASS LIGHTING NOT SHOWN



DATE PLOTTED = 8/15/2019 5:05:19 PM
 PEN TABLE = 0020795.tbl
 PLOT COMFIG = C:\VDD\CD\CON\Fletting\ACGI.plt
 FILE NAME = N:\PROJ\10028795.tbl\Design\Utilities\util1.dgn



USER NAME = jmatton
 PLOT SCALE = 100.0000' / in.
 PLOT DATE = 8/15/2019

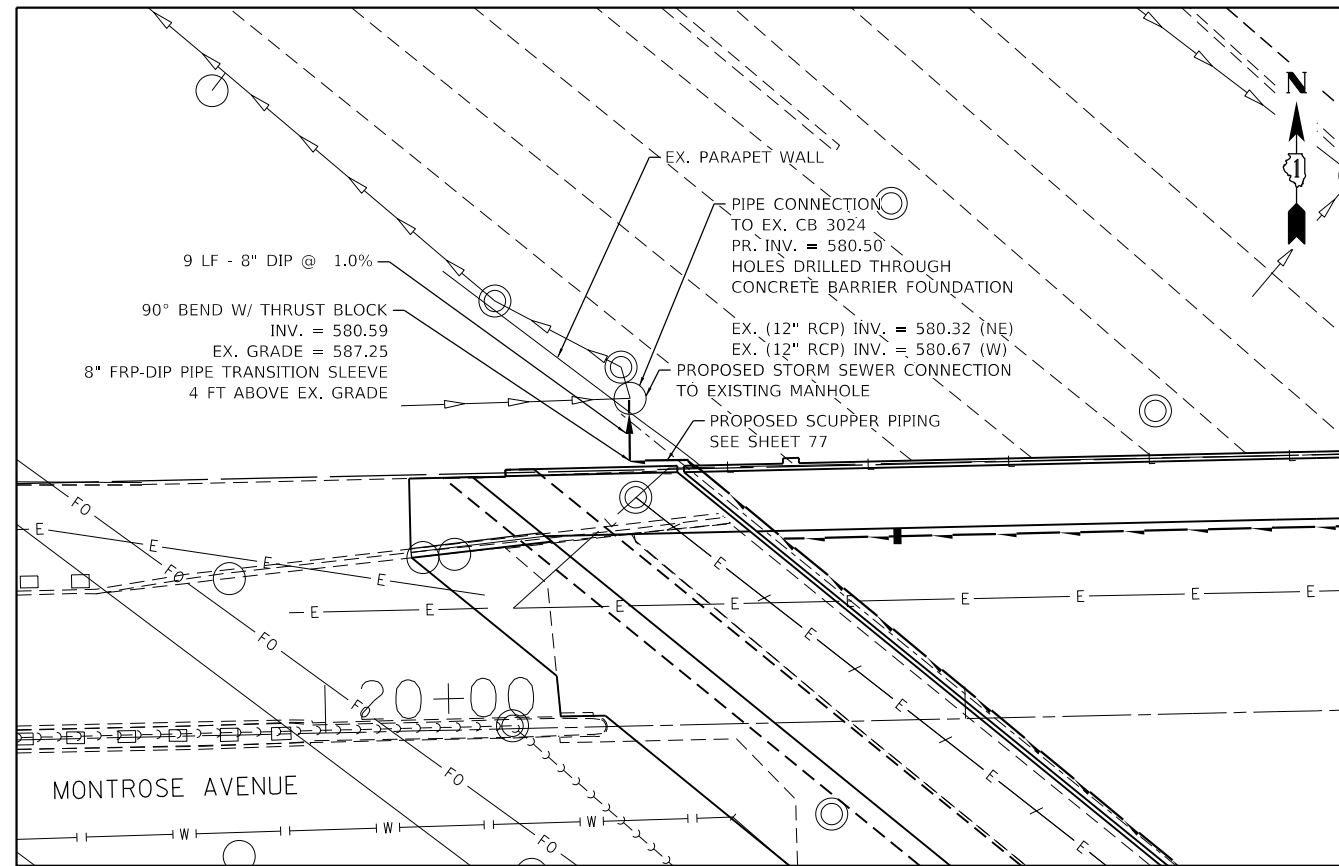
DESIGNED - MLH	REVISED -
DRAWN - MLH	REVISED -
CHECKED - EPS	REVISED -
DATE - 8/12/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

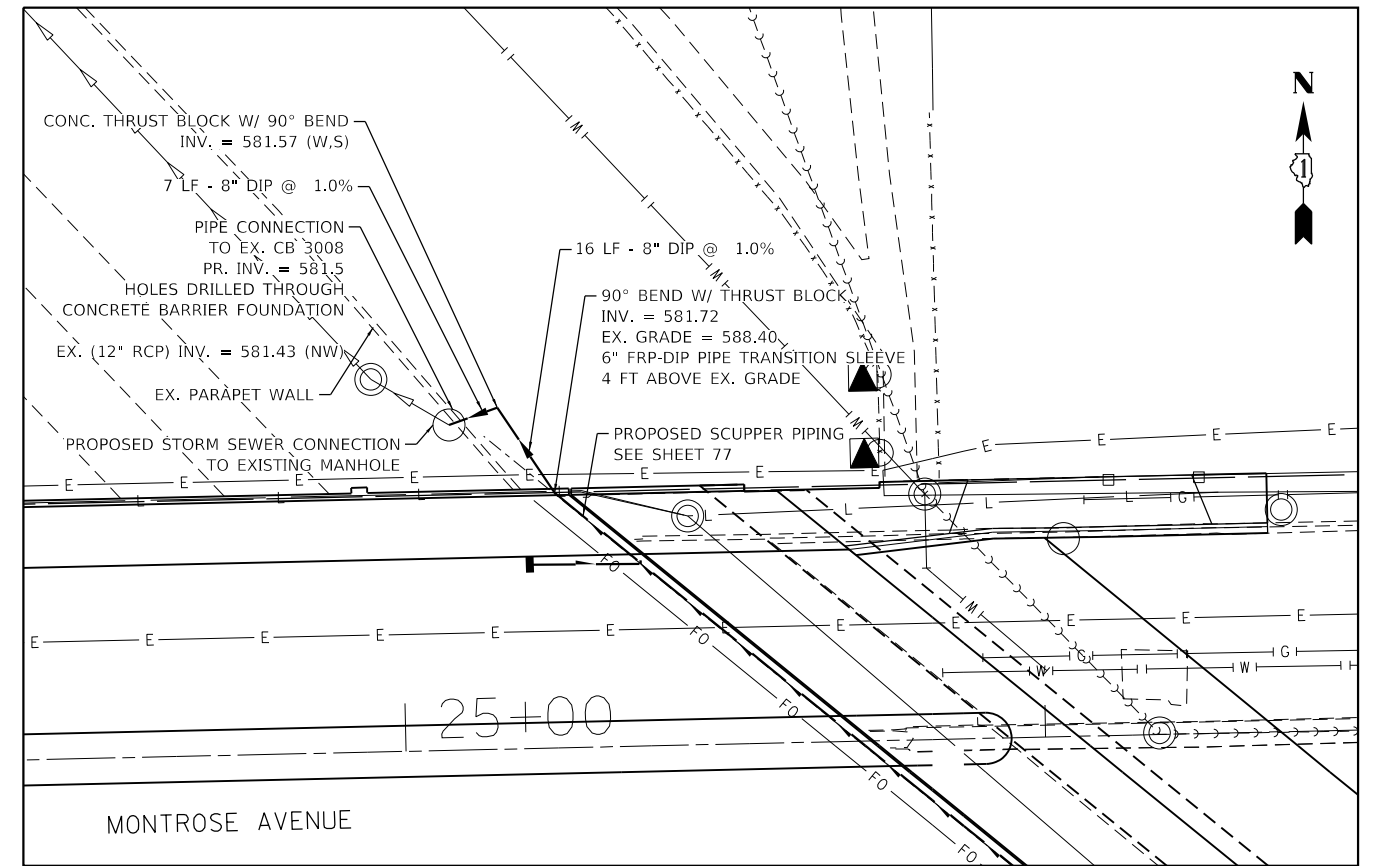
**F.A.I. 94 (INTERSTATE 94) AT MONTROSE AVENUE
EXISTING UTILITIES**

SCALE: 1" = 100' SHEET NO. 1 OF 1 SHEETS STA. 16+00 TO STA. 31+80

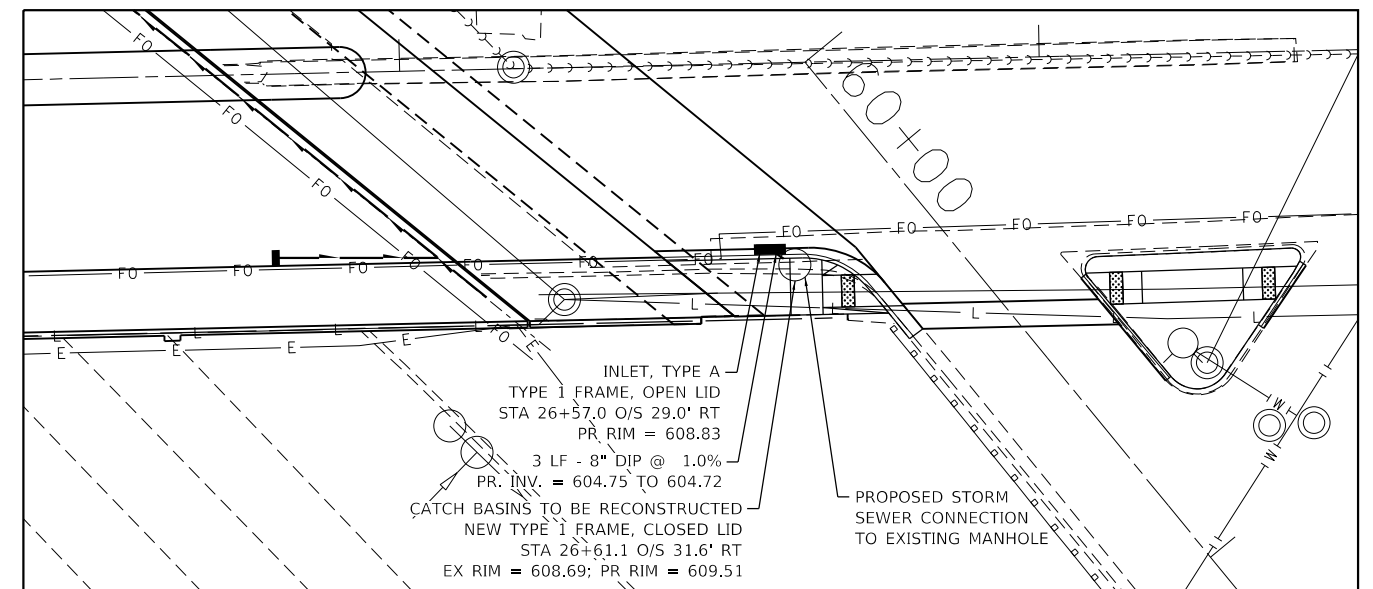
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	267-0101.3-B-R	COOK	120	27
CONTRACT NO. 62F95				
ILLINOIS FED. AID PROJECT NHPP-XG101992				



PLAN VIEW - WEST ABUTMENT



PLAN VIEW - EAST ABUTMENT



PLAN VIEW - PROPOSED INLET

NOTES:

1. CONCRETE THRUST BLOCKS SHALL BE 20"(W) x 20"(H) x 24"(L) IN SIZE.
2. CONTRACTOR MUST MAINTAIN POSITIVE DRAINAGE FROM INSTALLED BRIDGE DECK SCUPPERS TO THE EXISTING I-94 DRAINAGE SYSTEM ALL THROUGHOUT CONSTRUCTION AND SUBMIT A TEMPORARY BRIDGE DRAINAGE PLAN TO THE ENGINEER FOR REVIEW PRIOR TO CONSTRUCTION. AT NO POINT WILL ANY BRIDGE DECK FLOWS BE ALLOWED TO OUTLET AND POND BEHIND THE I-94 BARRIER WALL IN GRASS AREAS, AND ALL HORIZONTAL TEMPORARY BRIDGE SCUPPER PIPING SHALL HAVE A MINIMUM 1.0% SLOPE.

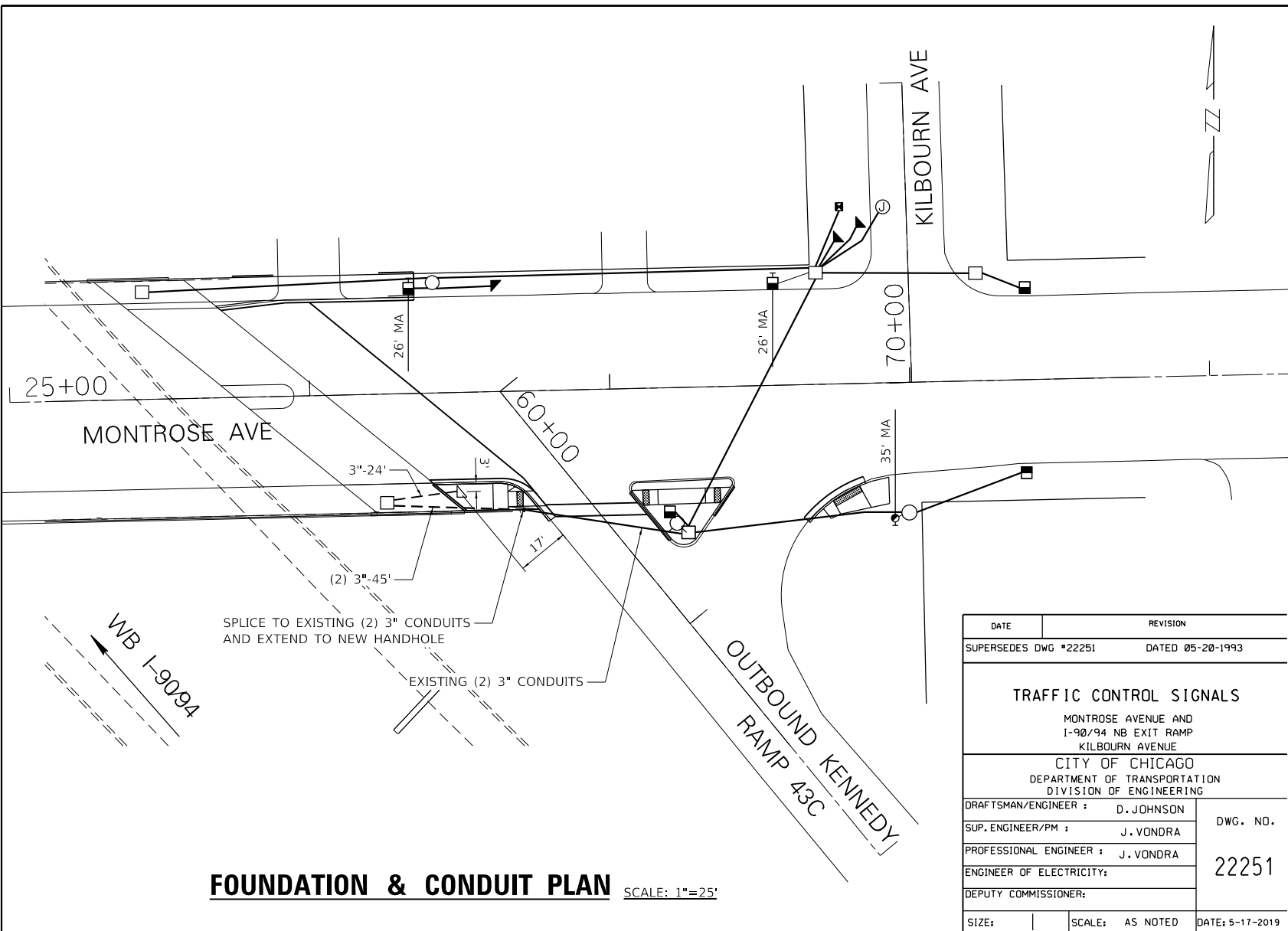
DATE PLOTTED = 8/15/2019 5:05:28 PM
 PEN TABLE = C:\VDD\TCD\00\CON\Plotting\AC01_PDF.plt
 FILE NAME = N:\PROJ\0828795\01\Design\0828795.dwg
 USER = dtj

USER NAME = jmatton	DESIGNED - DTJ	REVISED -
PLOT SCALE = 2.0000' / in.	DRAWN - DTJ	REVISED -
PLOT DATE = 8/15/2019	CHECKED - JMV	REVISED -
	DATE - 8/12/2019	REVISED -

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	267-0101.3-B-R	COOK	120	28
CONTRACT NO. 62F95				
ILLINOIS FED. AID PROJECT NHPP-XG101992				

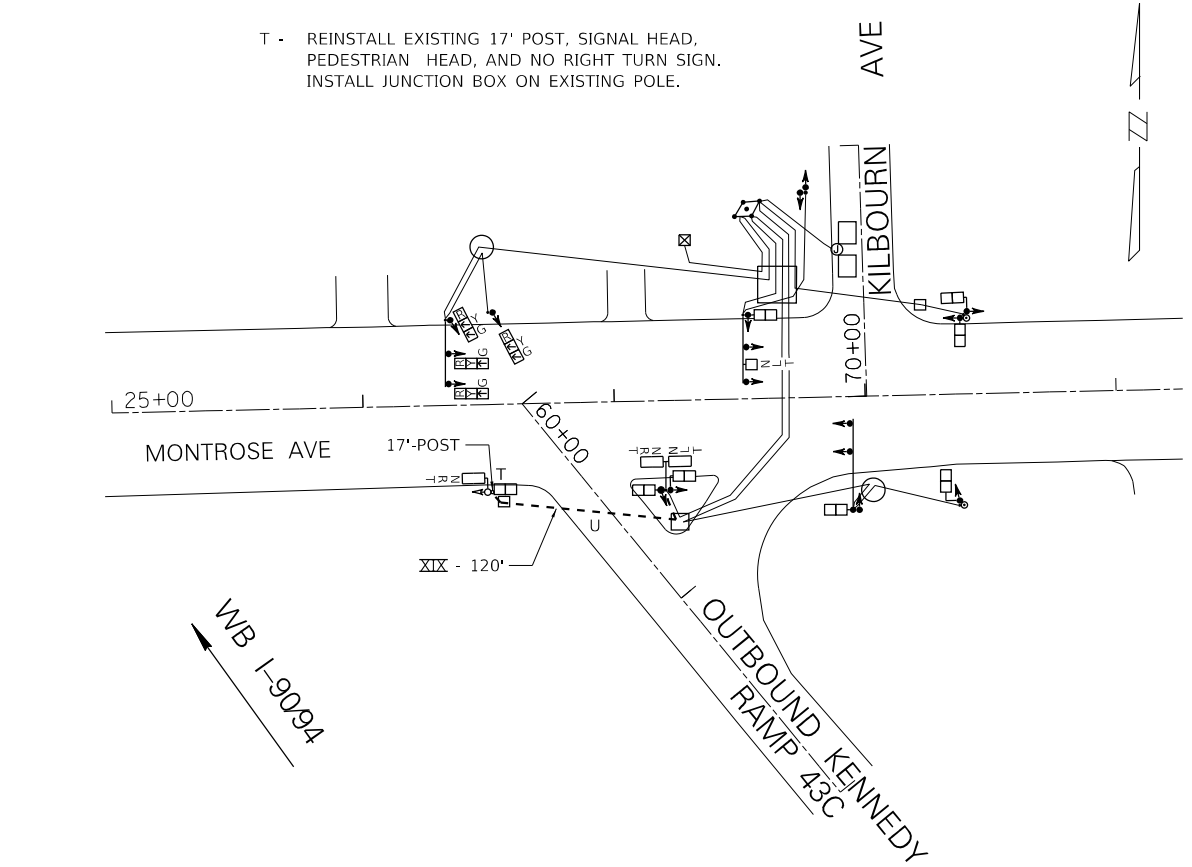
NOTE:
THIS EXISTING TRAFFIC SIGNAL INSTALLATION SHALL BE PLACED IN 'FLASHING RED' MODE FOR THE DURATION OF THE MONTROSE CLOSURE. SEE MAINTENANCE OF TRAFFIC PLANS FOR MORE INFORMATION.

T - REINSTALL EXISTING 17' POST, SIGNAL HEAD, PEDESTRIAN HEAD, AND NO RIGHT TURN SIGN. INSTALL JUNCTION BOX ON EXISTING POLE.

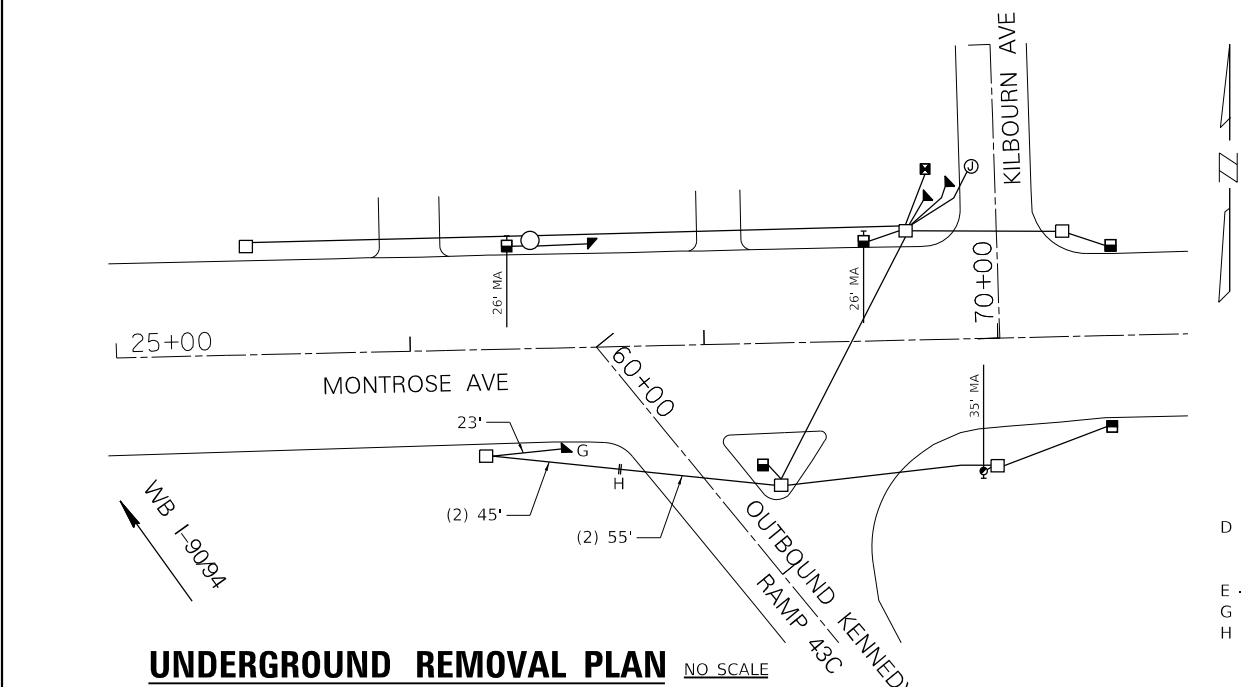


FOUNDATION & CONDUIT PLAN SCALE: 1"=25'

DATE	REVISION
SUPERSEDES DWG #22251	DATED 05-20-1993
TRAFFIC CONTROL SIGNALS	
MONTROSE AVENUE AND I-90/94 NB EXIT RAMP KILBOURN AVENUE	
CITY OF CHICAGO DEPARTMENT OF TRANSPORTATION DIVISION OF ENGINEERING	
DRAFTSMAN/ENGINEER :	D. JOHNSON
SUP. ENGINEER/PM :	J. VONDRA
PROFESSIONAL ENGINEER :	J. VONDRA
ENGINEER OF ELECTRICITY:	
DEPUTY COMMISSIONER:	
SIZE:	SCALE: AS NOTED DATE: 5-17-2019

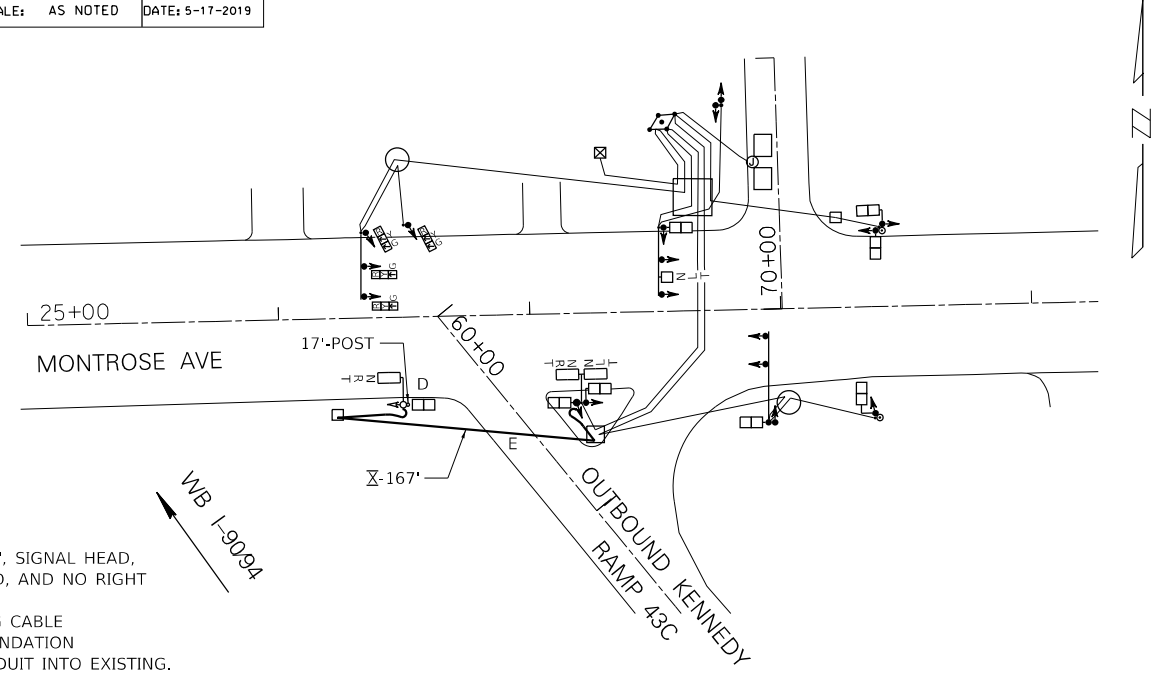


SIGNAL & CABLE PLAN NO SCALE



UNDERGROUND REMOVAL PLAN NO SCALE

- D - REMOVE POST 17', SIGNAL HEAD, PEDESTRIAN HEAD, AND NO RIGHT TURN SIGN
- E - REMOVE EXISTING CABLE
- G - BREAKDOWN FOUNDATION
- H - SPLICE NEW CONDUIT INTO EXISTING. SEE FOUNDATION AND CONDUIT PLAN.



SIGNAL & CABLE REMOVAL PLAN NO SCALE

DATE	REVISION
SUPERSEDES DWG #22251	DATED 05-20-1993
TRAFFIC CONTROL SIGNALS	
MONTROSE AVENUE AND I-90/94 NB EXIT RAMP KILBOURN AVENUE	
CITY OF CHICAGO DEPARTMENT OF TRANSPORTATION DIVISION OF ENGINEERING	
DRAFTSMAN/ENGINEER :	D. JOHNSON
SUP. ENGINEER/PM :	J. VONDRA
PROFESSIONAL ENGINEER :	J. VONDRA
ENGINEER OF ELECTRICITY:	
DEPUTY COMMISSIONER:	
SIZE: 22" 36"	SCALE: AS NOTED DATE: 5-17-2019

ENGINEERING CONSULTANT
CiorbaGroup
8725 W. Higgins Road, Suite 600 | Chicago, IL 60631
P 773.775.6009 | www.ciorba.com

USER NAME = jvondra	DESIGNED - DTJ	REVISED -
PLOT SCALE = 48.9986' / in.	DRAWN - DTJ	REVISED -
PLOT DATE = 8/15/2019	CHECKED - JMV	REVISED -
	DATE - 8/12/2019	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.I. 94 (INTERSTATE 94) AT MONTROSE AVENUE
TRAFFIC CONTROL SIGNALS
MONTROSE AVE / I-9094 EXIT RAMP / KILBOURN AVE
SCALE: N.T.S. SHEET NO. OF SHEETS STA. TO STA.

F.A.I. RTE. 94	SECTION 267-0101.3-B-R	COUNTY COOK	TOTAL SHEETS 120	SHEET NO. 30
CONTRACT NO. 62F95			ILLINOIS FED. AID PROJECT NHPP-XG101992	

DATE PLOTTED = 8/15/2019 4:41:48 PM
 PEN TABLE = C:\VDD\CAD\CON\Plotting\ACOL_PDF.ctb
 PLOT CONFIG = N:\PROJ\08287\5281\Design\Sigsig015.00287.rws,01-75101.dgn

CDOT STREET LIGHTING GENERAL NOTES

1. ALL WORK FOR THIS CONTRACT SHALL BE IN ACCORDANCE WITH THE CHICAGO ELECTRICAL CODE, CHICAGO DEPARTMENT OF TRANSPORTATION DIVISION OF ELECTRICAL OPERATIONS (DEO) STANDARDS, AND THE APPLICABLE PROVISIONS OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS.
2. ALL CITY OF CHICAGO STREET LIGHTING EQUIPMENT REMOVED AS PART OF THIS CONTRACT WILL REMAIN THE PROPERTY OF THE CITY AND SHALL BE DELIVERED TO A CITY FACILITY LOCATED WITHIN THE CITY LIMITS IN ACCORDANCE WITH THE CONTRACT SPECIFICATIONS, UNLESS NOTED OTHERWISE.
3. RECORD DRAWINGS SHOWING EXISTING STREET LIGHTING INSTALLATIONS AND CABINET LOCATIONS ARE AVAILABLE FOR THE CONTRACTOR'S INFORMATION AT THE OFFICES OF CITY OF CHICAGO DEPARTMENT OF TRANSPORTATION, DIVISION OF ELECTRICAL OPERATIONS.
4. ALL NEW ELECTRICAL EQUIPMENT INSTALLED UNDER THIS CONTRACT SHALL BE DONE IN SUCH A MANNER AS NOT TO DAMAGE THE EXISTING LANDSCAPE (TREES, BUSHES, ETC.) DURING THE PROGRESSION OF WORK. IF THE CONTRACTOR OBSERVES A CONFLICT WITH THE EXISTING LANDSCAPE, HE SHALL STOP THE WORK AND IMMEDIATELY NOTIFY THE ENGINEER.
5. THE EXISTING STREET LIGHTING SYSTEM WITHIN THE CONSTRUCTION LIMITS OF THE PROJECT SHALL REMAIN IN OPERATION FOR THE DURATION OF THIS PROJECT UNTIL SUCH TIME THAT THE NEW STREET LIGHTING SYSTEM HAS BEEN INSTALLED, ENERGIZED, TESTED, ADJUSTED, AND ACCEPTED BY THE CITY OF CHICAGO. THE COST OF THIS WORK WILL BE INCLUDED AS PART OF THE MAINTENANCE OF STREET LIGHTING SYSTEM (CITY OF CHICAGO) PAY ITEM, AND SEPARATE PAYMENT WILL NOT BE MADE.
6. WORK FOR STREET LIGHTING SYSTEMS SHALL BE COMPLETED, APPROVED, AND FULLY OPERATIONAL BEFORE A FINAL ACCEPTANCE INSPECTION FOR THE PROJECT CAN BE SCHEDULED.
7. AT THE COMMENCEMENT OF CONTRACTOR ACTIVITIES, ELECTRICAL OR OTHERWISE, THE CONTRACTOR WILL BECOME RESPONSIBLE FOR THE PROPER OPERATION AND MAINTENANCE OF ALL EXISTING LIGHTING AND POWER SYSTEMS IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS, UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
8. REMOVAL OF EXISTING ELECTRICAL CABLES FEEDING EACH OF THE EXISTING LIGHTING/SIGNAL UNITS WILL BE INCLUDED IN THE COST OF REMOVE EXISTING STREET LIGHTING EQUIPMENT, AND SEPARATE PAYMENT WILL NOT BE MADE.
9. EXISTING EMBEDDED AND UNDERGROUND RACEWAYS BETWEEN EXISTING LIGHTING UNITS OR EXISTING EQUIPMENT SHALL BE REMOVED, UNLESS NOTED OTHERWISE.
10. THE CONTRACTOR SHALL PROVIDE ANY ADDITIONAL TEMPORARY ELECTRICAL EQUIPMENT CONNECTIONS AS REQUIRED TO MAINTAIN EXISTING LIGHTING CONTINUITY AS THE PROPOSED WORK FOR INSTALLATION AND REMOVAL OF EXISTING LIGHTING EQUIPMENT PROGRESSES. THE COST OF THIS WORK WILL BE INCLUDED IN THE MAINTENANCE OF STREET LIGHTING SYSTEM (CITY OF CHICAGO) ITEM.
11. WHERE THE CONTRACTOR'S EXCAVATION MEETS AN OBSTRUCTION OR EXISTING FOUNDATION, THE CONTRACTOR MUST NOTIFY THE ENGINEER FOR DIRECTION IN WRITING PRIOR TO FURTHER EXCAVATION. THE CONTRACTOR SHALL RESTORE ANY DAMAGE TO EXISTING SYSTEMS OR UTILITIES AND REMOVE EXISTING OBSTRUCTIONS AND FOUNDATIONS TO THE SATISFACTION OF THE ENGINEER. THIS WORK WILL BE INCLUDED IN THE APPROPRIATE UNDERGROUND WORK PAY ITEM.
12. THE CONTRACTOR SHALL IDENTIFY EACH ELECTRIC CABLE ASSEMBLY FOR STREET LIGHTING. CABLES SHALL BE TAGGED IN ALL HANDHOLES, MANHOLES, CONTROLLER CABINETS, AND LIGHT POLE BASES.
13. CONDUIT STUBOUTS IN EQUIPMENT FOUNDATIONS WILL NOT BE MEASURED FOR PAYMENT, BUT WILL BE CONSIDERED AS PART OF THE APPLICABLE FOUNDATION PAY ITEM. REFER TO SPECIFICATIONS.
14. THE ELECTRIC CABLE PHASE AND NEUTRAL CONDUCTORS SHALL BE RUN CONTINUOUSLY WITHOUT ANY UNDERGROUND SPLICES, JUNCTION BOX SPLICES, PULL BOX SPLICES, HANDHOLE SPLICES, OR MANHOLE SPLICES. SPLICES OF ELECTRIC CABLE PHASE AND NEUTRAL CONDUCTORS WILL BE PERMITTED ONLY IN THE BASE OF THE PROPOSED LIGHT POLES AND CONTROLLERS UNLESS NOTED OTHERWISE.
15. ALL PROPOSED CONDUITS, JUNCTION BOXES, AND APPURTENANCES ARE ILLUSTRATED DIAGRAMMATICALLY. THE ACTUAL LOCATIONS IN THE FIELD SHALL BE APPROVED BY THE ENGINEER.
16. THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL UTILITIES PRIOR TO THE INSTALLATION OF ANY ELEMENTS OF THE STREET LIGHTING SYSTEM.

SCHEDULE OF QUANTITIES

DESCRIPTION	UNIT	QUANTITY
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	34
UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	20
UNDERGROUND CONDUIT, PVC, 3" DIA.	FOOT	188
CONDUIT ATTACHED TO STRUCTURE, 4" DIA., GALVANIZED STEEL	FOOT	946
CONDUIT EMBEDDED IN STRUCTURE, 2" DIA., PVC	FOOT	997
DRILL EXISTING HANDHOLE	EACH	11
REMOVE EXISTING STREET LIGHTING EQUIPMENT	EACH	1
REMOVAL OF ASBESTOS CEMENT CONDUIT	L SUM	2,398
MAINTENANCE OF STREET LIGHTING SYSTEM (CITY OF CHICAGO)	FOOT	1
CABLE IN CONDUIT, TRIPLEX, 2-1/C NO. 6 AND 1-1/C NO. 8 GROUND	EACH	1,268
FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	4
LIGHT POLE, ALUMINUM, WITH MAST ARM, INSTALL ONLY	EACH	8
CLEANING EXISTING MANHOLE OR HANDHOLE	EACH	4

FILE NAME: \\dc01\Projects\1725\04_CADD\CADD_Sheets\0162F95-sht-lighting-General Notes.dgn



USER NAME = rswanson
 PLOT SCALE = 60.00' / 1" =
 PLOT DATE = 8/15/2019 9:30:53 AM

DESIGNED - VG
 CHECKED - RAS
 DRAWN - VG
 CHECKED - RAS

REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**F.A.I. 94 (INTERSTATE 94) AT MONTROSE AVENUE
 CDOT STREET LIGHTING GENERAL NOTES AND SCHEDULE OF QUANTITIES**

SHEET NO. OF SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	267-0101.3-B-R	COOK	120	31
CONTRACT NO. 62F95				
ILLINOIS FED. AID PROJECT NHPP-XG101992				

PROPOSED	PRESENT	
		SIGNAL, TRAFFIC 3 SECTION 1-WAY ADJUSTABLE, 12" OR AS NOTED
		SIGNAL, TRAFFIC 3 SECTION 2-WAY ADJUSTABLE, 12" OR AS NOTED
		SIGNAL OPTICALLY PROGRAMMED
		SIGNAL, PEDESTRIAN, COUNTDOWN
		SIGNAL, PEDESTRIAN, DON'T WALK/WALK
		SIGNAL FACE ARROW, 12" COLOR AS NOTED
		SIGNAL FACE, 1 SECTION YELLOW/GREEN ARROW DUAL INDICATION
		PUSH BUTTON, PEDESTRIAN
		SIGN, ILLUMINATED, WITH MESSAGE OR SYMBOL AS INDICATED
		MAST ARM, MONOTUBE, STEEL. SIZE AS INDICATED (SEE DWG. #870)
		MAST ARM, TRUSS, ALUMINUM. SIZE AS INDICATED
		CONTROLLER, TRAFFIC SIGNAL. PEDESTAL OR BASE MOUNTED AS INDICATED
		CONTROLLER, STREET LIGHTING. PEDESTAL OR BASE MOUNTED. (DWG. 876 or 880)
		CONTROLLER, STREET LIGHTING. POLE MOUNTED (DWG. #11940)
		POLE, WOOD. COMMONWEALTH EDISON COMPANY, SERVICE
		POLE, CITY STEEL, ANCHOR BASE, 34'-6", 7 GA. 10" DI A. AND 15" B.C. 24"x7' FND. W/1 1/4" ANCHOR RODS DRG. #818.
		POLE, CITY STEEL, ANCHOR BASE, 34'-6", 3 GA. 10" DIA. AND 15" B.C. 24"x9' FND. W/1 1/4" ANCHOR RODS DRG. #818 (16', 20' or 26' M.A.)
		POLE, CITY STEEL, ANCHOR BASE, 34'-6", 3GA., 11" DIA. AND 17 3/4" B.C. 30"x9' FND. W/1 1/4" ANCHOR RODS DRG. #816. (30' M.A.)
		POLE, CITY STEEL, ANCHOR BASE 34'-6", 3 GA. 12 1/2" DIA. AND 16 1/2" B.C. 30"x11' FND. W/1 1/2" ANCHOR RODS DRG.#817. (35', 40' or 44' M.A.)
		POLE, CITY STEEL, ANCHOR BASE, 32'-6", 3 GA. 10" DIA., WITH 3 GA. BAL. HSG. BASE AND 17 1/4" B. C. ON 30"x9' FND. W/ 11/4" ANCHOR RODS DRG. #816.
		POLE, CITY STEEL, ANCHOR BASE, 20', 27'-6", 29'-6", 7 GA. WITH STEEL BAL. HSG. BASE AND FND. W/10" D. B.C. AND 1" ANCHOR RODS DRG. #716.
		POLE, CITY STEEL, ANCHOR BASE, 20', 27'-6", 29'-6", 3 GA., WITH STEEL BAL. HSG. BASE AND FND. W/10" D. B.C. AND 1" ANCHOR RODS DWG.#719.
		POLE, CITY STEEL, ANCHOR BASE, 20', 27'-6", 29'-6" 7 GA., AND ALUMINUM RESIDENTIAL DAVIT AND FND. WITH 10" B.C. AND 1" ANCHOR RODS DWG.#565 (CONCRETE) OR DWG.#936 (HELIX).
		POLE, CITY STEEL, ANCHOR BASE, 20', 27'-6", 29'-6" 3 GA., AND FND. WITH 10" B.C. AND 1" ANCHOR RODS DWG. #565 (CONCRETE) OR DWG.#936 (HELIX).
		POLE, CITY STEEL, ANCHOR BASE, 32'-6", 7 GA., AND FND. WITH 11 1/2" B.C. AND 1" ANCHOR RODS DWG. #753.
		POLE, CITY STEEL, ANCHR BASE, 32'-6", 3 GA., AND FND. WITH 11 1/2" B.C. AND 1" ANCHOR RODS DWG. #753.
		POLE, CITY STEEL, ANCHOR BASE, 32'-6" 7 GA., ALUM. BHB AND FND. WITH 15" B.C.-24"x7' WITH 1" ANCHOR RODS DRG. #691.
		POLE, CITY STEEL, ANCHOR BASE, 32'-6", 3 GA., ALUM. BHB AND FND. WITH 15" B.C. 24"x 7' WITH 1" ANCHOR RODS DWG. #691.
		POLE, CITY ALUMINUM, WITH ROUND BAL. HSG. BASE, 25', 28', or 30' ON FND. WITH 14" B.C., ACQUIRED FROM CHICAGO PARK DISTRICT.
		POLE, CITY STEEL, EMBEDDED, 4"x 9"x 35' 7 GA., TAPERED TUBULAR. (DWG. #658)
		POLE, CITY STEEL, EMBEDDED, 4"x 9"x 35' 3 GA., TAPERED TUBULAR. (DWG. #658)
		POLE, CITY STEEL, EMBEDDED. (ACQUIRED FROM CTA)
		COLUMN, ELEVATED STRUCTURE
		POLE, WOOD. (SIZE AS NOTED)
		POLE, FOUNDATION WITH ELBOWS AS INDICATED. (SIZE AS NOTED)
		POLE, ORNAMENTAL OR OTHER, AS INDICATED ON THE PLANS
		RESIDENTIAL STREET LIGHTING CONTROLLER

PROPOSED	PRESENT	
		MANHOLE, 3'x4'x4' 24" F & C (DWG.#730) (A) 30" F & C (DWG.#729) (B)
		MANHOLE, 4'x6'x6' 24" F & C (DWG.#732) (C) 30" F & C (DWG.#733) (D)
		HANDHOLE, HEAVY DUTY, 36" I.D. (DWG.#866) 24" F & C (E). (DWG.#871) 30" F & C (F)
		HANDHOLE, CIRCULAR WITH 24" FRAME & COVER, 30" I.D. (#867) (G)
		FOUNDATION, CONTROLLER OR PEDESTAL, 13" B.C., 20"x5' (DWG. #709)
		FOUNDATION, TRAFFIC CONTROLLER DWG. #854. F.A. TERMINAL FND. DWG. #11972
		FOUNDATION, TRAFFIC TYPE "P", BASE MOUNT. (DWG. #888)
		FOUNDATION, CONTROLLER STREET LIGHT, SPECIAL, 100A & 200A. (DWG.#876 & # 880)
		FOUNDATION, TRANSCLOSURE; TRANSCLOSURE HOUSING. (DWG.# 583 & #891)
		CONTROLLER, UNDERPASS LIGHTING 120V. & 240V. (DWG. #860 & #861)
		MANHOLE, UTILITY, E=COMMONWEALTH EDISON; T=ILL.BELL TEL.; G=PEOPLES GAS; W=CITY WATER; P=CHGO PARK DISTRICT; CTA=C.T.A.; S=SEWER
		JUNCTION BOX, IN PAVEMENT (DWG. #815)
		DETECTOR LOOP IN PAVEMENT
		CONDUIT or P.V.C., NUMBER, SIZE & TYPE. (AS NOTED)
		CONDUIT or P.V.C. ENCASED IN CONCRETE. (SECTION or NUMBER OF CONDUIT INDICATED)
		LUMINAIRE, H.P.S.V. 400W LAMP, 240V, SEMI-CUTOFF
		LUMINAIRE, H.P.S.V. 400W LAMP, 240V, CUTOFF
		LUMINAIRE, H.P.S.V. 310W LAMP, 240V
		LUMINAIRE, H.P.S.V. 310W LAMP 240V, CUTOFF
		LUMINAIRE, H.P.S.V. 150W LAMP, 240V
		LUMINAIRE, H.P.S.V. 150W LAMP, 120V
		LUMINAIRE, H.P.S.V. 250W LAMP, 120V, (ALLEY LIGHT)
		LUMINAIRE, H.P.S.V. 250W LAMP, 120V
		LUMINAIRE, H.P.S.V. 400W LAMP, 240V, (FLOOD LIGHT)
		TERMINAL, CABINET F.A. & P.C.
		FIRE ALARM BOX, MOUNTED
		FIRE ALARM BOX, POLE MOUNTED
		CABLE, TRAFFIC SIGNAL, COMMUNICATION, 1-PAIR #14 SHIELDED, IN CONDUIT
		CABLE, TRAFFIC SIGNAL POWER SUPPLY, 2/C- #4, 600 V. EPR. IN CONDUIT
		CABLE, TRAFFIC SIGNAL POWER SUPPLY, 2 1/C-#2 or #1/0 600V. EPR IN CONDUIT
		CABLE, TRAFFIC SIGNAL POWER SUPPLY, 2/C-#10 or #6, 600V NSRI, IN CONDUIT
		CABLE, TRAFFIC SIGNAL, 7/C-#12 or #14, 600V, EPR IN CONDUIT
		CABLE, TRAFFIC SIGNAL, 10/C-#12 600V. EPR IN CONDUIT
		CABLE, TRAFFIC SIGNAL, 14/C-#14, 600V. EPR IN CONDUIT
		CABLE, TRAFFIC SIGNAL, 19/C-#12 600V, EPR IN CONDUIT
		CABLE, STREET LIGHT, 2 1/C-#6, 600V. RINS IN PARKWAY
		CABLE, STREET LIGHT, 2 1/C-#6, 600V. RINS IN CONDUIT
		CABLE, STREET LIGHT, 2 1/C-#6 EPRN 600V. & 1 1/C-#8 GREEN, TRIPLEXED, IN CONDUIT
		CABLE, STREET LIGHT, 3 1/C-#1/0, or #2/0, or #4, 600V. EPR IN CONDUIT
		WIRE, STREET LIGHT, 2 1/C-#6, HDNS. AERIAL
		WIRE, STREET LIGHT, 2 1/C-#6 & 1 1/C #8, HDNS. AERIAL
		CABLE, STREET LIGHT AERIAL, 3 1/C-#4 or #2 SELF SUPPORTING, 600V EPR
		WIRE, F.A. & P.C. AERIAL, 1/C-#10, NUMERAL DENOTES QUANTITY
		CABLE, F.A. & P.C. AERIAL, W/ MESSENGER #19-(NUMBER OF PAIRS AS INDICATED)
		CABLE, F.A. & P.C. AERIAL, SELF SUPPORTING, #19-(NUMBER OF PAIRS AS INDICATED)
		CABLE, F.A. & P.C., IN CONDUIT, #19-(NUMBER OF PAIRS AS INDICATED)
		DOWNLIGHT ASSEMBLY. (DWG. #850)
		LIGHT, TRAFFIC SAFETY ISLAND
		FLASHING BEACON & DOWNLIGHT

C.M.H. LUMINAIRES		
PROPOSED	PRESENT	
		LUMINAIRE, C.M.H. 315W LAMP, 240V
		LUMINAIRE, C.M.H. 315W LAMP, 240V, (FLOOD)
		LUMINAIRE, C.M.H. 210W LAMP, 240V
		LUMINAIRE, C.M.H. 140W LAMP, 240V
		LUMINAIRE, C.M.H. 140W LAMP, 120V, (ALLEY)
		LUMINAIRE, C.M.H. 90W LAMP, 240V
		LUMINAIRE, C.M.H. 90W LAMP, 240V (ACORN)
		LUMINAIRE, C.M.H. 60W LAMP, 240V (ACORN)

H.P.S.V. ORNAMENTAL LUMINAIRES		
PROPOSED	PRESENT	
		310W PENDANT (240V)
		400W PENDANT (240V)
		250W PENDANT (240V)
		150W ACORN (120V)
		150W ACORN (240V)
		50W ACORN (240V)
		100W ACORN (240V)
		150W GLOBE (240V)
		100W GLOBE (240V)
		50W GLOBE (240V)

L.E.D. LUMINAIRES		
PROPOSED	PRESENT	
		(400W HPSV EQUIVALENT), 240V
		(100W HPSV EQUIVALENT), 240V, ACORN
		(310W HPSV EQUIVALENT), 240V
		(100/150W HPSV EQUIVALENT), 240V ACORN
		(250W HPSV EQUIVALENT), 240V
		(50W HPSV EQUIVALENT), 240V, ACORN

NO.	DATE	REVISION
F 01-08-14		ADDED LED LUMINAIRES A.VIEU
E 09-19-13		ADDED CMH LUMINAIRES A.VIEU
D 02-06-04		REVISED/REDRAW R.POOL/B.I.
C 04-01-02		REVISED/REDRAW R.POOL/B.I.
B 12-4-01		ADDED ORNAMENTAL SYMBOLS
A 8-6-96		REDRAWN

SUPERSEDES DWG. #	
WORK ORDER NO.	DATE
COST ALLOCATION ACCOUNT	
APPROPRIATION ACCOUNT	(MATERIAL / LABOR)

STANDARD CODE FOR TRAFFIC SIGNALS/ STREET LIGHTING		
CITY OF CHICAGO DEPT. OF TRANSPORTATION DIVISION OF ENGINEERING ELECTRICAL SECTION		
DRAFTSMAN: R. IVY	CHIEF DRAFTSMAN: R. CARTER	ENGINEER: R. POOL/R.C/W.T.
SUPERVISING ENGINEER:	ELEC. DESIGN ENGR.	DWG. NO. 826
ENGINEER OF ELECTRICITY:		
GEN'L SUPT. OF CONSTRUCTION:		
DEPUTY COMMISSIONER:		
SIZE: 22" 36"	SCALE: NONE	DATE: 09-19-13

FILE NAME: \\dc101\Projects\1725\04_CADD\CADD_Sheets\0162\F95-sht-1\lgh2.Legend.dgn



USER NAME = rswanson	DESIGNED - VG	REVISED -
	CHECKED - RAS	REVISED -
PLOT SCALE = 2.00' / in.	DRAWN - VG	REVISED -
PLOT DATE = 8/15/2019 9:30:53 AM	CHECKED - RAS	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**F.A.I. 94 (INTERSTATE 94) AT MONTROSE AVENUE
CDOT DIVISION OF ELECTRICAL OPERATIONS STANDARD LEGEND**

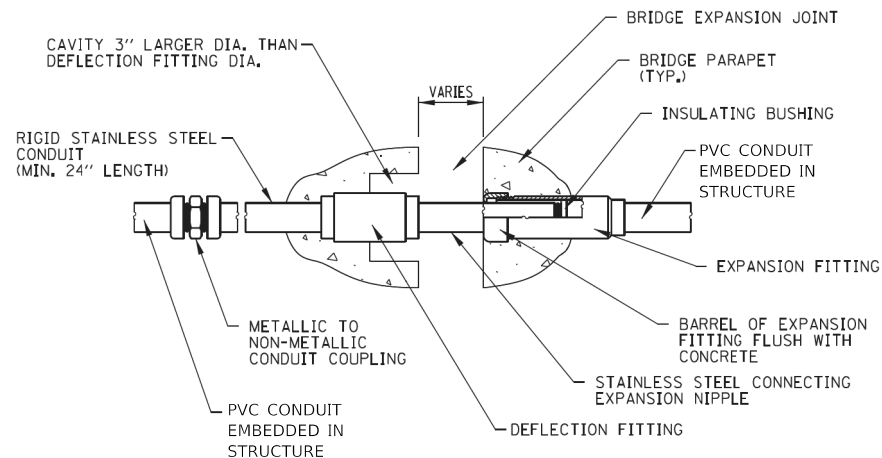
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	267-0101.3-B-R	COOK	120	32
CONTRACT NO. 62F95				
ILLINOIS FED. AID PROJECT NHP-94(01992)				

SHEET NO. OF SHEETS



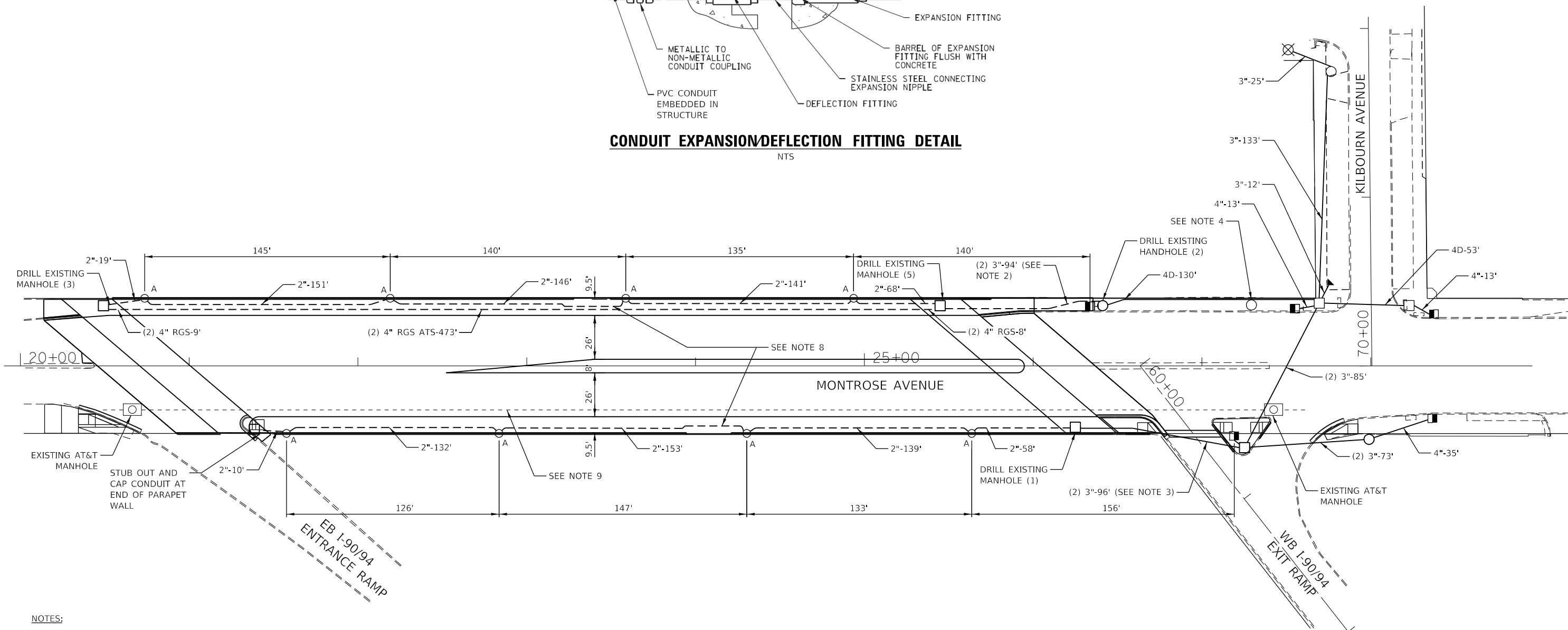
KEY NOTES:

A - INSTALL PARAPET MOUNTED LIGHT POLE FOUNDATION, 11.5" BOLT CIRCLE. SEE STRUCTURAL PLANS FOR FOUNDATION DETAILS. THE COST OF THE FOUNDATION IS INCLUDED IN THE PRICE OF THE NEW BRIDGE SUPERSTRUCTURE.



CONDUIT EXPANSION/DEFLECTION FITTING DETAIL

NTS



NOTES:

1. PROPOSED CONDUIT SHALL BE SCHEDULE 40 PVC EMBEDDED IN PARAPET WALL UNLESS NOTED OTHERWISE. CONDUITS SHALL TRANSITION UNDERGROUND AT ENDS OF BRIDGE TO CONNECT TO EXISTING MANHOLES.
2. CONDUIT TO BE INSTALLED UNDERGROUND USING TRENCHING.
3. NEW CONDUIT PROVIDED FOR TRAFFIC SIGNALS. SEE TRAFFIC SIGNAL PLAN.
4. EXISTING ABANDONED HANDHOLE TO REMAIN IN PLACE.
5. DRILLING OF ALL EXISTING UNDERGROUND STRUCTURES (REGARDLESS OF SIZE/TYPE) WILL BE PAID FOR AS "DRILL EXISTING HANDHOLE." CONNECTIONS TO EXISTING UNDERGROUND STRUCTURES SHALL BE PER CDOT DIVISION OF ELECTRICAL OPERATIONS STANDARD DETAIL 814.
6. THE EXISTING MANHOLES AT ALL FOUR CORNERS OF THE BRIDGE SHALL BE ADJUSTED TO MEET THE NEW GRADE AND CLEANED. THIS WORK WILL BE PAID FOR AS "FRAMES AND LID TO BE ADJUSTED (SPECIAL)" AND "CLEANING EXISTING MANHOLE OR HANDHOLE" RESPECTIVELY.
7. PROVIDE EXPANSION/DEFLECTION FITTINGS FOR ALL CONDUITS AT BRIDGE EXPANSION JOINTS IN ACCORDANCE WITH THE DETAIL SHOWN ON THIS SHEET. EXPANSION/DEFLECTION FITTINGS ARE INCLUDED IN THE COST OF THE CONDUIT EMBEDDED IN STRUCTURE, AND WILL NOT BE PAID FOR SEPARATELY.
8. SEE STRUCTURAL PLANS FOR LIGHTING CONDUIT ROUTING THROUGH SIDEWALK AT GAP IN BARRIER WALL FOR CTA STATION ENTRANCE.
9. 25-PAIR CABLE TO BE INSTALLED IN AT&T DUCT BANK BY OEMC. CONTRACTOR SHALL COORDINATE WITH AT&T AND OEMC AS NECESSARY.



FILE NAME: \\dc01\Projects\1725\94_CADD\CADD_Sheets\162F95-sht-light3-Conduit_Plan.dgn



USER NAME = rswanson	DESIGNED - VG	REVISED -
PLOT SCALE = 60.01' / in.	CHECKED - RAS	REVISED -
PLOT DATE = 8/15/2019 9:31:09 AM	DRAWN - VG	REVISED -
	CHECKED - RAS	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**F.A.I. 94 (INTERSTATE 94) AT MONTROSE AVENUE
CDOT CONDUIT AND FOUNDATION PLAN**

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	267-0101.3-B-R	COOK	120	33
CONTRACT NO. 62F95				

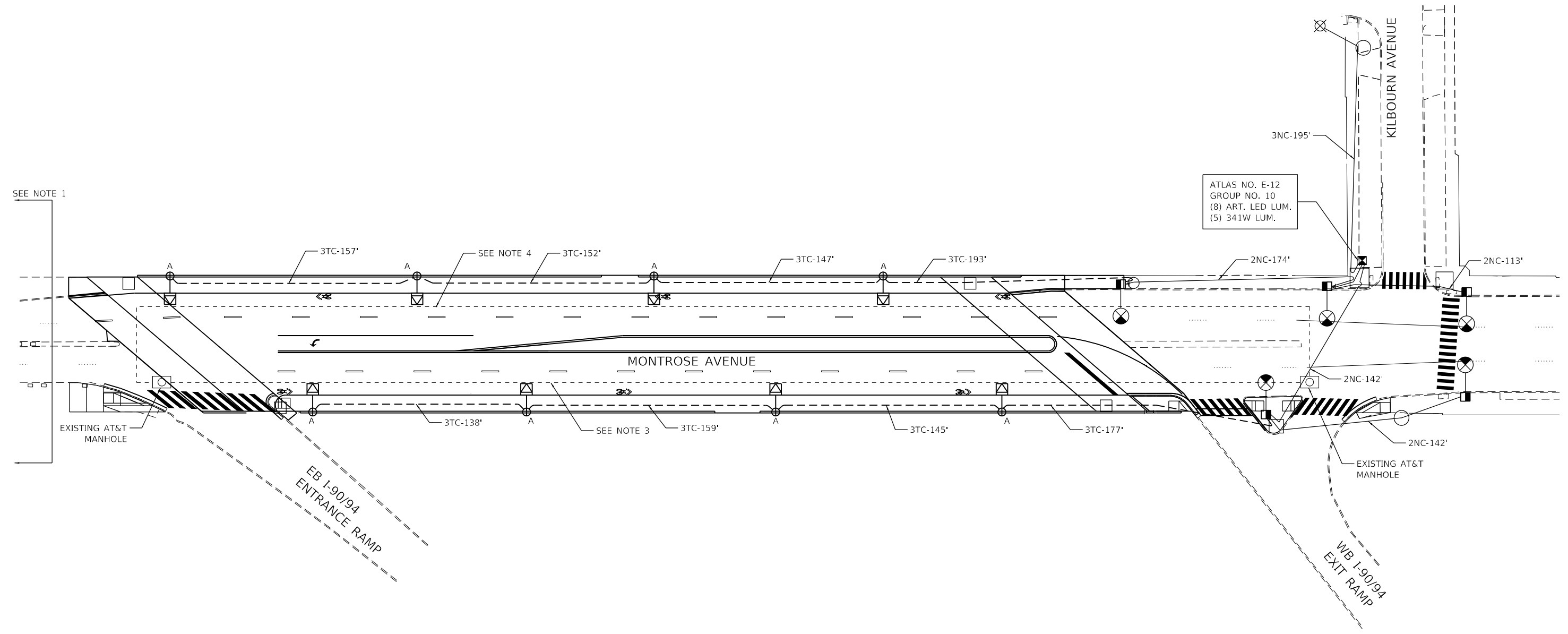
SHEET NO. OF SHEETS

ILLINOIS FED. AID PROJECT NHPP-XG10(992)



KEY NOTES:

A - INSTALL ARTERIAL LIGHT POLE, 32.5 FT. M.H. WITH 8 FOOT DAVIT ARM AND 174W ARTERIAL LED COBRA HEAD LUMINAIRE (POLE AND LUMINAIRE TO BE FURNISHED BY CDOT)



SEE NOTE 1

NOTES:

1. EXISTING VIADUCT LIGHTING FOR MONTROSE AVENUE UNDER UNION PACIFIC NORTHWEST LINE IS TO REMAIN IN PLACE.
2. NEW LIGHTING ALONG THE SOUTH SIDE OF MONTROSE AVENUE INSTALLED IN STAGE I MUST BE OPERATIONAL PRIOR TO THE REMOVAL OF EXISTING LIGHTING ALONG THE NORTH SIDE OF MONTROSE AVENUE DURING STAGE II.
3. OEMC TO INSTALL 25-PAIR CABLE WITH NEW AT&T DUCT BANK. CONTRACTOR SHALL COORDINATE WITH AT&T AND OEMC AS NECESSARY.
4. TEMPORARY CABLE ROUTE FOR RELOCATED OEMC 15-PAIR CABLE. CONTRACTOR SHALL COORDINATE WITH AT&T AND OEMC AS NECESSARY.

FILE NAME: \\cdot\projects\1725\04_CADD\CADD_Sheets\0162F95-sht-lighting\Lighting Plan.dgn



USER NAME = rswanson	DESIGNED - VG	REVISED -
PLOT SCALE = 60.01' / in.	CHECKED - RAS	REVISED -
PLOT DATE = 8/15/2019 9:31:09 AM	DRAWN - VG	REVISED -
	CHECKED - RAS	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**F.A.I. 94 (INTERSTATE 94) AT MONTROSE AVENUE
CDOT LIGHTING PLAN**

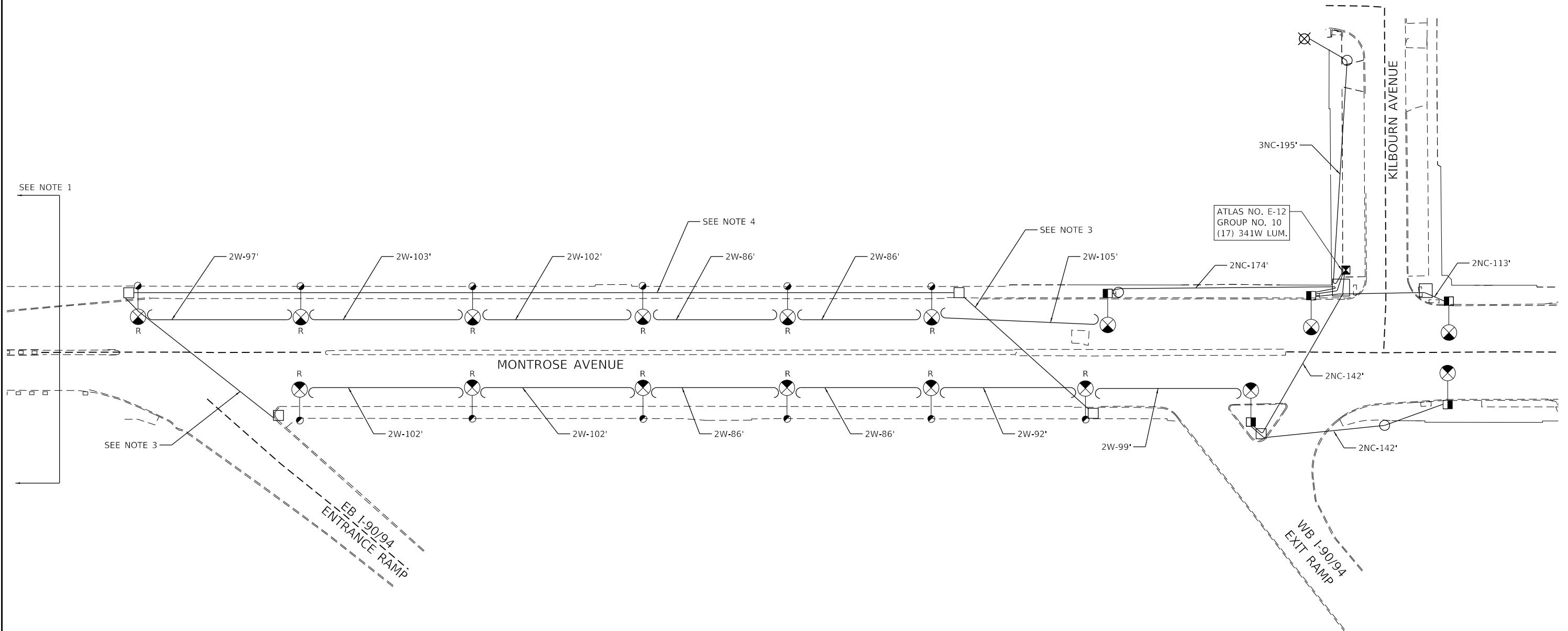
SHEET NO. OF SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	267-0101.3-B-R	COOK	120	34
CONTRACT NO. 62F95				

ILLINOIS FED. AID PROJECT NHPP-XG101992

KEY NOTES:

R - REMOVE EXISTING PARAPET MOUNTED LIGHT POLE, MAST ARM, LUMINAIRE, AND ASSOCIATED AERIAL CABLE. REMOVAL OF THE EXISTING FOUNDATION IS INCLUDED IN THE PRICE OF DECK REMOVAL.



NOTES:

1. EXISTING VIADUCT LIGHTING FOR MONTROSE AVENUE UNDER UNION PACIFIC NORTHWEST LINE IS TO REMAIN IN PLACE.
2. REMOVAL WORK SHALL BE COORDINATED WITH THE CONSTRUCTION STAGING IN ORDER TO MAINTAIN LIGHTING DURING ALL STAGES. LIGHTING UNITS ON THE NORTH SIDE OF MONTROSE AVENUE SHALL NOT BE REMOVED UNTIL STAGE II.
3. REMOVE (2) 3 1/2" BURIED DUCTS. THIS WORK WILL NOT BE INCLUDED IN THE ITEM "REMOVE EXISTING STREET LIGHTING EQUIPMENT," AND WILL BE PAID FOR AS "REMOVAL OF ASBESTOS CEMENT CONDUIT."
4. REMOVE (4) 3 1/2" DUCTS ATTACHED TO STRUCTURE. THIS WORK WILL NOT BE INCLUDED IN THE ITEM "REMOVE EXISTING STREET LIGHTING EQUIPMENT," AND WILL BE PAID FOR AS "REMOVAL OF ASBESTOS CEMENT CONDUIT."

FILE NAME: \\dc101\Projects\1725\04_CADD\CADD_Sheets\0162F95-sht-light5-Removal_Plan.dgn



USER NAME = rswanson	DESIGNED - VG	REVISED -
PLOT SCALE = 60.01' / in.	CHECKED - RAS	REVISED -
PLOT DATE = 8/15/2019 9:31:10 AM	DRAWN - VG	REVISED -
	CHECKED - RAS	REVISED -

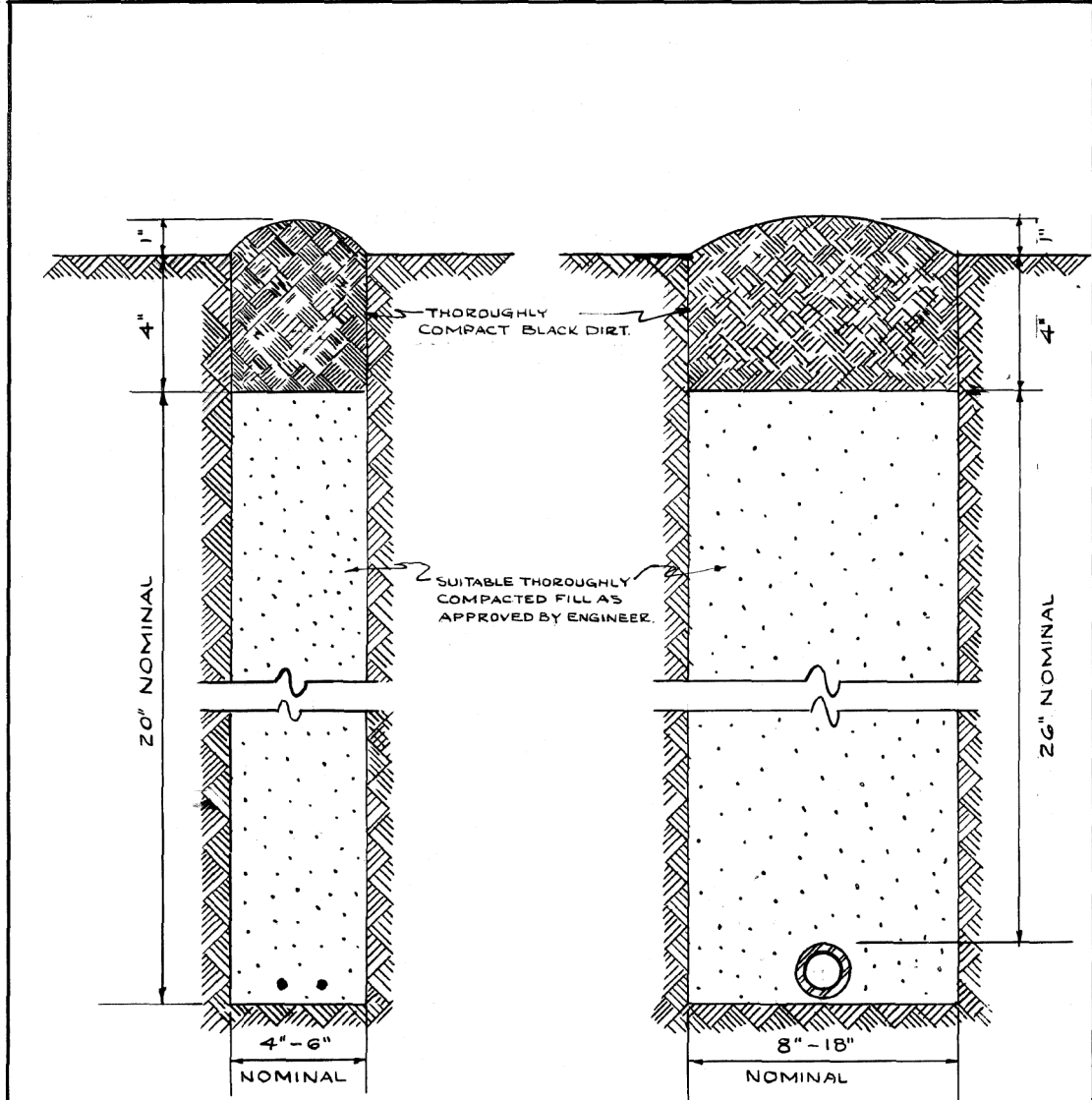
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**F.A.I. 94 (INTERSTATE 94) AT MONTROSE AVENUE
CDOT LIGHTING REMOVAL PLAN**

SHEET NO. OF SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	267-0101.3-B-R	COOK	120	35
CONTRACT NO. 62F95				

ILLINOIS FED. AID PROJECT NHPP-XG101992

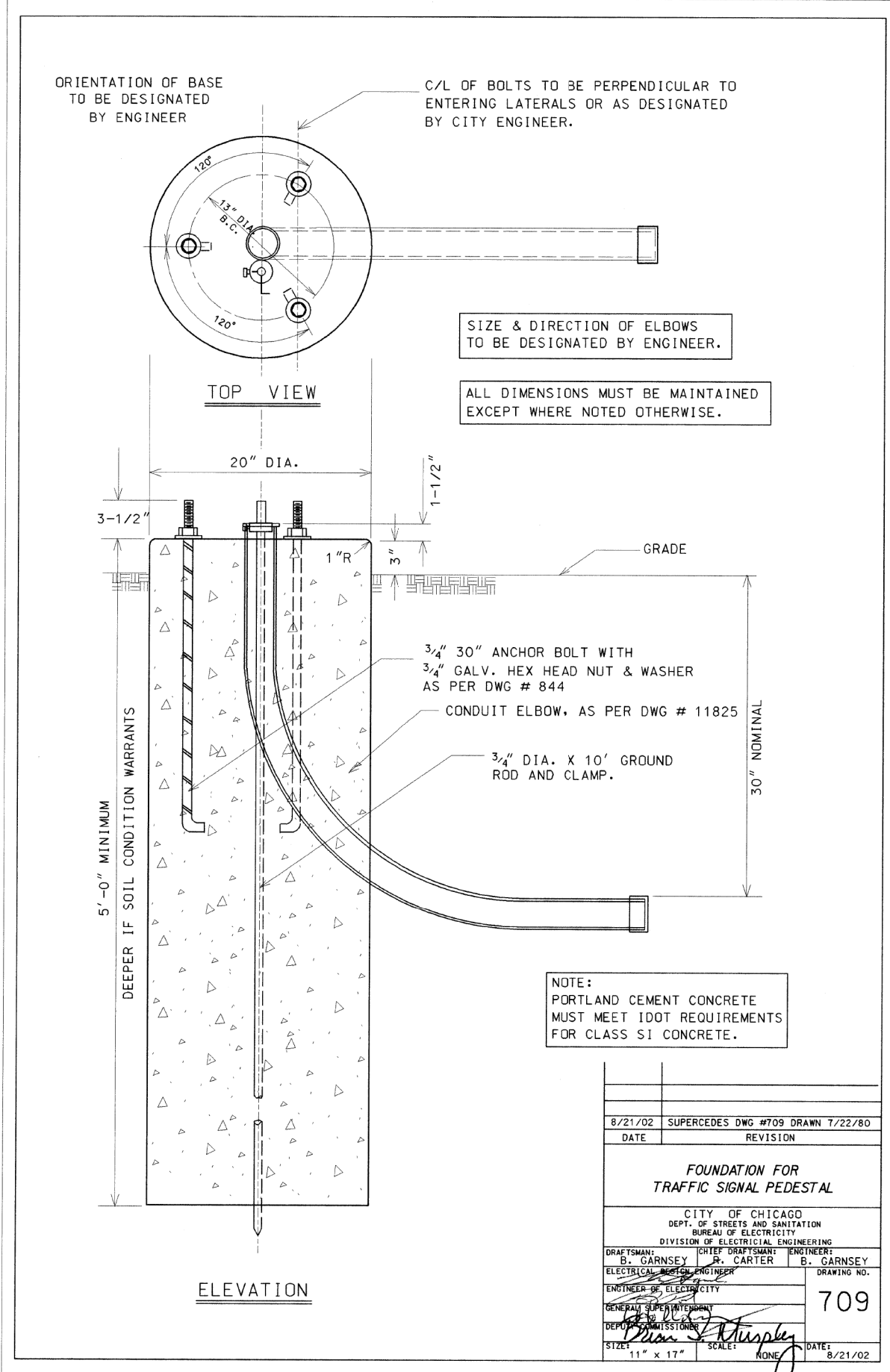


CABLE TRENCH

CONDUIT TRENCH

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

STANDARD METHOD FOR BACKFILLING CABLE & CONDUIT TRENCHES IN SODDED PARKWAY & LAWNS			
CITY OF CHICAGO DEPT. OF STREETS & SANITATION DIVISION OF ELECTRICAL ENGINEERING			
REVISION	DRAWN	CHECKED	ENGINEER
A	W. E. HARP	M. J. Hume	J. O'CONNOR
B			
C	ENGR. IN CHARGE		DRG. NO.
D	D. J. H. [Signature]		
E	SUPT. OF CONST.		579
F	DEPUTY COMM.		
G	[Signature]		
H	SIZE: 8 1/2 x 14	SCALE: 1/4"	DATE: 7-14-61



ELEVATION

8/21/02	SUPERCEDES DWG #709 DRAWN 7/22/80
DATE	REVISION
FOUNDATION FOR TRAFFIC SIGNAL PEDESTAL	
CITY OF CHICAGO DEPT. OF STREETS AND SANITATION BUREAU OF ELECTRICITY DIVISION OF ELECTRICAL ENGINEERING	
DRAFTSMAN: B. GARNSEY	CHIEF DRAFTSMAN: ENGINEER: R. CARTER B. GARNSEY
ELECTRICAL ENGINEER	ENGINEER
GENERAL SUPERINTENDENT	DEPT. COMMISSIONER
SIZE: 11" x 17"	SCALE: NONE DATE: 8/21/02

DATE PLOTTED = 8/15/2019 4:41:42 PM
 PEN TABLE = 0020795.01.tbl
 PLOT COMFIG = C:\VDD\TCAD\CON\Flotting\ACOL.PDF-plot.ctb
 FILE NAME = N:\VDD\10028795.01\Design\10028795.01-15.dwg

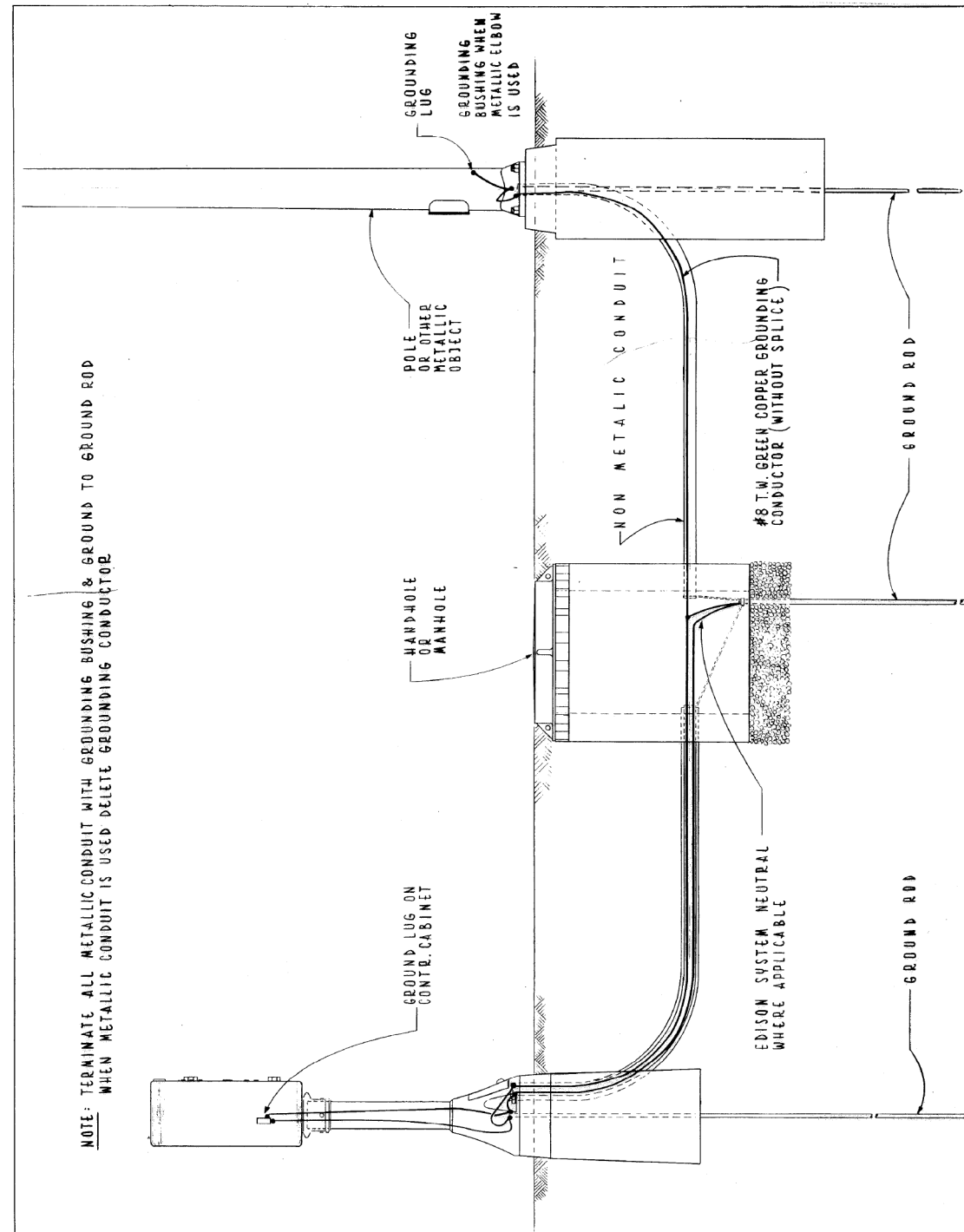
ENGINEERING CONSULTANT
CiorbaGroup
 8725 W. Higgins Road, Suite 600 Chicago, IL 60631
 P 773.775.6009 | www.ciorba.com

USER NAME = jvondra	DESIGNED - DTJ	REVISED -
PLOT SCALE = 40.0000' / in.	DRAWN - DTJ	REVISED -
PLOT DATE = 8/15/2019	CHECKED - JMV	REVISED -
	DATE - 8/12/2019	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**F.A.I. 94 (INTERSTATE 94) AT MONTROSE AVENUE
 CDOT ELECTRICAL DETAILS**
 SCALE: N.T.S. SHEET NO. OF SHEETS STA. TO STA.

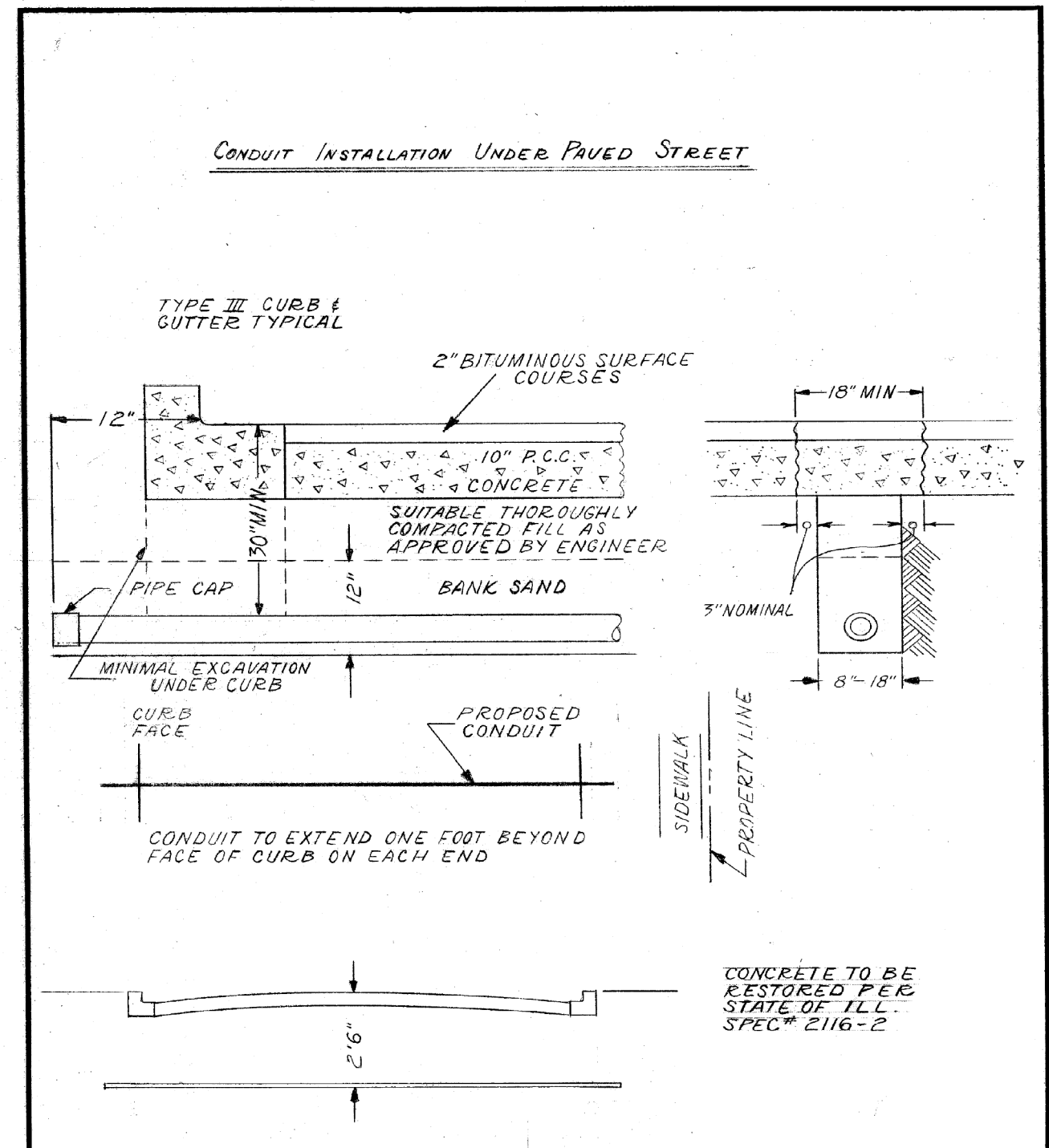
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	267-0101.3-B-R	COOK	120	36
CONTRACT NO. 62F95				
ILLINOIS FED. AID PROJECT NHPP-XG101992				



NOTE: TERMINATE ALL METALLIC CONDUIT WITH GROUNDING BUSHING & GROUND TO GROUND ROD WHEN METALLIC CONDUIT IS USED DELETE GROUNDING CONDUCTOR.

TYPICAL GROUNDING METHODS FOR BUREAU OF ELECTRICITY EQUIPMENT

CITY OF CHICAGO DEPT. OF STREETS & SANITATION BUREAU OF ELECTRICITY DIVISION OF ELEC. ENGINEERING			
REVISED	DRAWN: E. GERULIS	CHECKED: M. SHINE	ENGINEER: J. O'CONNOR
A	ENG. DEPT.	THOMAS WELDRICH	DWG. NO. 736
B	SUPT. OF ELEC. SVCS.	CHARLES E. BUCKLEY	
C	DEPT. OF STREETS & SANITATION		
D			
E			
F	SIZE: 8 1/2" x 14"	SCALE: 1" = 10'	DATE: 5-17-76



INSTALLATION METHOD OF INSTALLING CONDUIT UNDER PAVED ROADWAY		
CITY OF CHICAGO DEPT. OF STREETS AND SANITATION BUREAU OF ELECTRICITY DIVISION OF ELECTRICAL ENGINEERING		
DRAWN A.M. JOHNSON	CHECKED R. SYCKAUSKI	ENGINEER R.L. MARTIN
THOMAS WELDRICH ENGINEER OF ELECTRICITY		DWG. NO. 813
CHARLES E. BUCKLEY DEPT. OF STREETS & SANITATION DEPUTY COMM.		DATE 3-13-81
SIZE 8 1/2" x 14"	SCALE N.T.S.	

DATE PLOTTED = 8/15/2019 4:41:52 PM
PEN TABLE = 0020795.01.tbl
PLOT CONFIG = C:\VDD\TCAD\CONP\Plotting\ACOL.PDF.plt
FILE NAME = N:\PROJ\0020795.01\Design\110020795.01-15.dwg

ENGINEERING CONSULTANT
CiorbaGroup
8125 W. Higgins Road, Suite 600 Chicago, IL 60631
P 773.775.6009 | www.ciorba.com

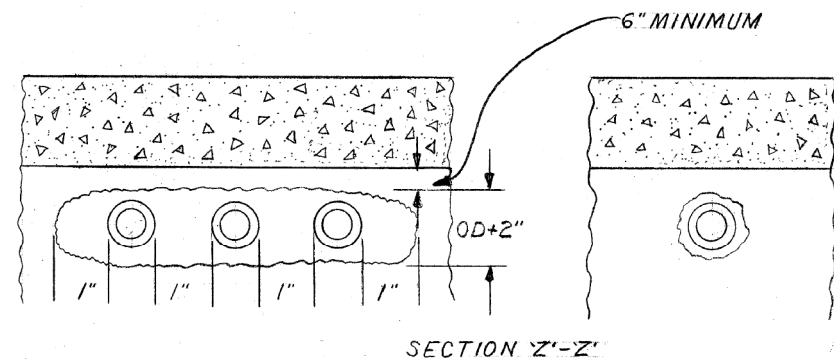
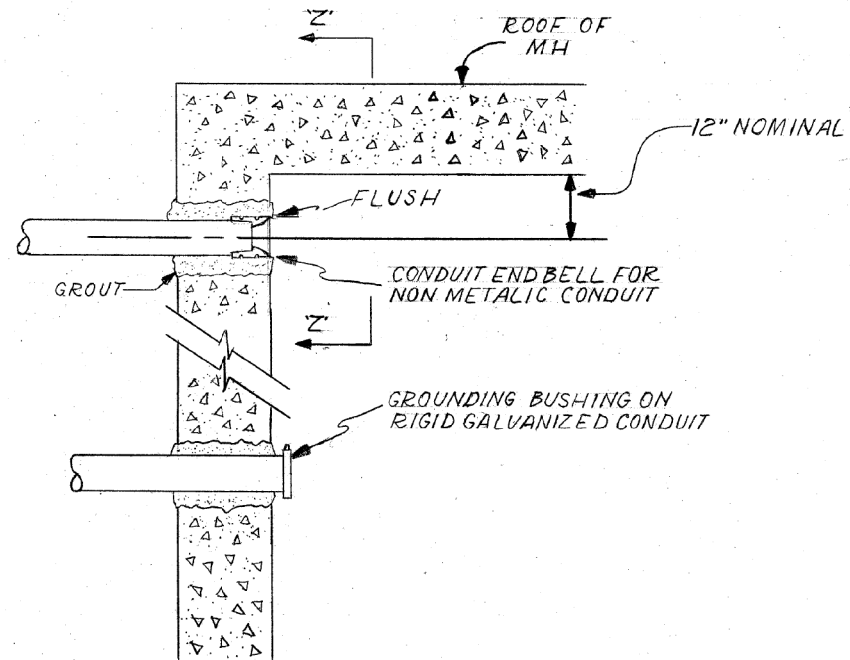
USER NAME = jvandra	DESIGNED - DTJ	REVISED -
PLOT SCALE = 40,0000' / in.	DRAWN - DTJ	REVISED -
PLOT DATE = 8/15/2019	CHECKED - JMV	REVISED -
	DATE - 8/12/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**F.A.I. 94 (INTERSTATE 94) AT MONTROSE AVENUE
CDOT ELECTRICAL DETAILS**
SCALE: N.T.S. SHEET NO. OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	267-0101.3-B-R	COOK	120	37
CONTRACT NO. 62F95			ILLINOIS FED. AID PROJECT NHPP-XG101992	

CONDUIT INSTALLATION THROUGH EXISTING MANHOLE OR HANDHOLE WALL

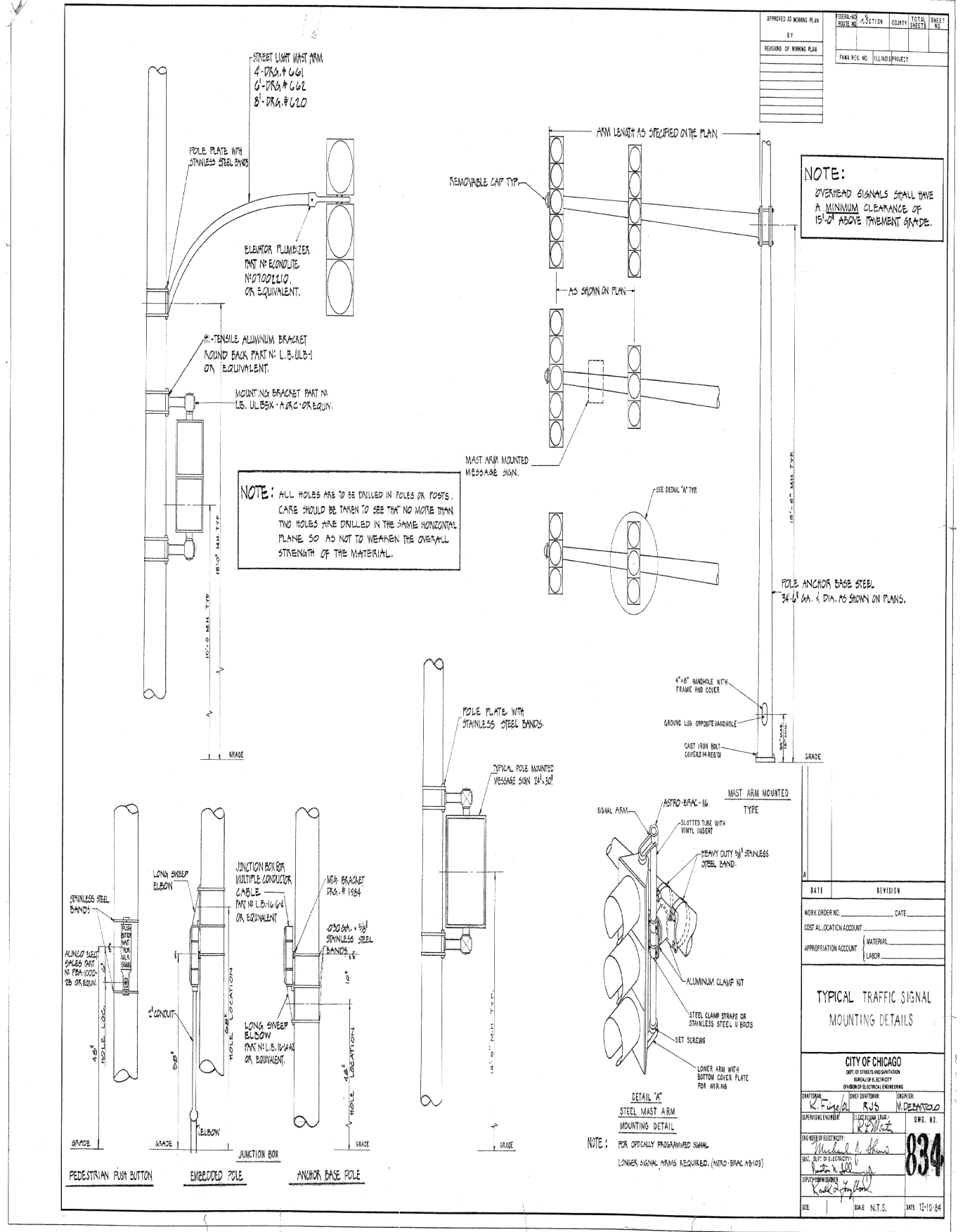


OPENING THROUGH WALL TO BE KEPT TO MINIMUM SIZE TO ADMIT CONDUIT AND SUFFICIENT GROUT TO ASSURE SEALING WALL.

INSTALLATION METHOD OF INSTALLING CONDUIT THRU MANHOLE WALL

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

DRAWN A.M. JOHANSON	CHECKED R. SYCKOWSKI	ENGINEER R.L. MARTIN
 ENGINEER OF ELECTRICITY		DRG. NO. 814
 DEPT. CHIEF DEPUTY CHIEF		DATE 3-13-81
SIZE 8 1/2" X 14"	SCALE N.T.S.	DATE 3-13-81



NOTE: OVERHEAD SIGNALS SHALL HAVE A MINIMUM CLEARANCE OF 15'-0\"/>

NOTE: ALL HOLES ARE TO BE DRILLED IN POLES OR POSTS. CARE SHOULD BE TAKEN TO SEE THAT NO MORE THAN TWO HOLES ARE DRILLED IN THE SAME HORIZONTAL PLANE SO AS NOT TO WEAKEN THE OVERALL STRENGTH OF THE MATERIAL.

DATE	REVISION

TYPICAL TRAFFIC SIGNAL MOUNTING DETAILS

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

DATE	REVISION

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

834

DATE: 12-10-84

DATE PLOTTED: 8/15/2019 4:42:02 PM
 PEN TABLE: 0020795.01.tbl
 PLOT COMFIG: C:\VDD\TCAD\CONP\Plotting\ACOL.PDF.ctb
 FILE NAME: N:\PROJ\0828795\01\15\de-02.dgn

ENGINEERING CONSULTANT

 8725 W. Higgins Road, Suite 600 | Chicago, IL 60631
 P 773.775.6009 | www.ciorba.com

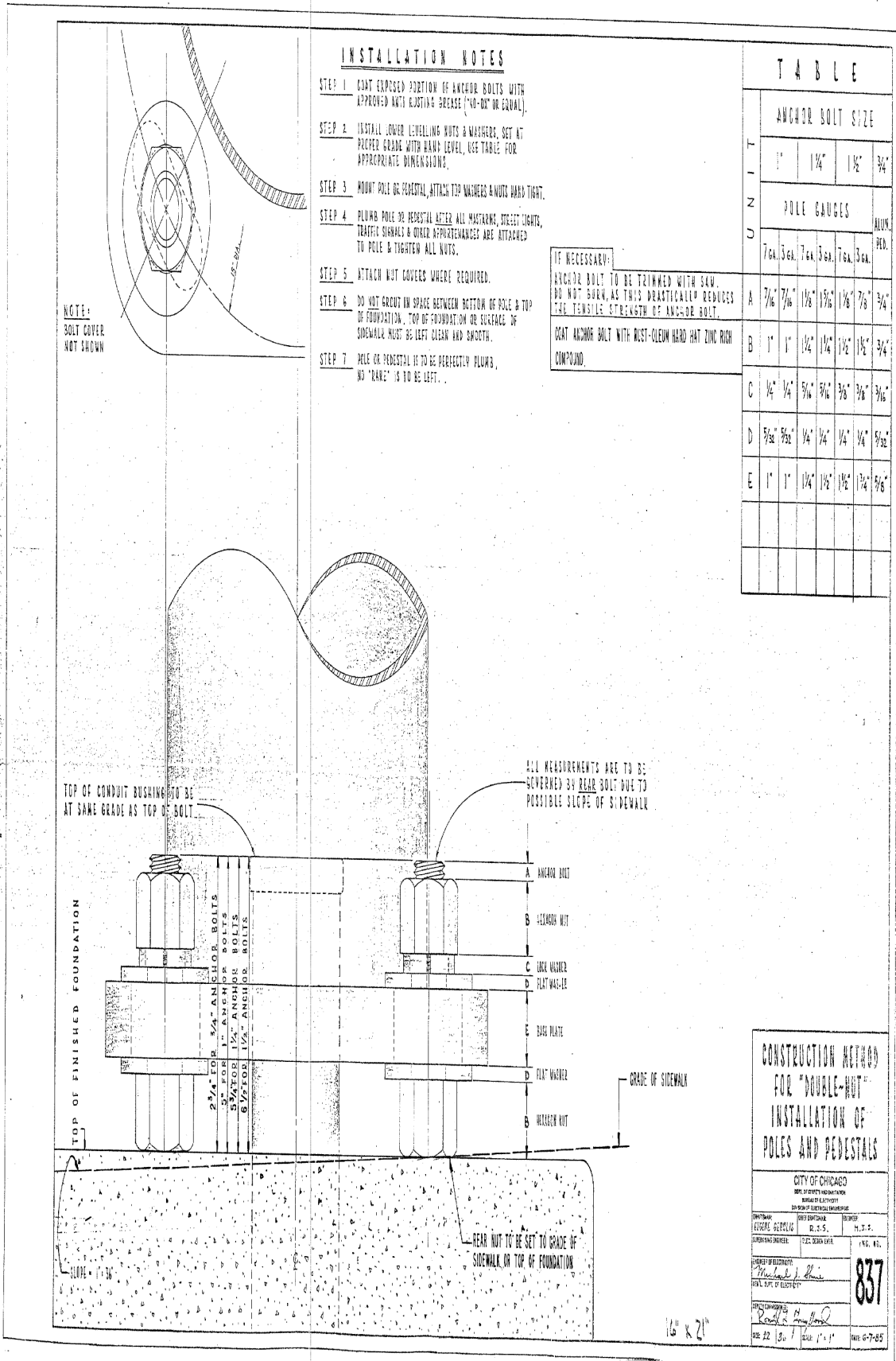
USER NAME = jvandra	DESIGNED - DTJ	REVISED -
PLOT SCALE = 40.0000' / in.	DRAWN - DTJ	REVISED -
PLOT DATE = 8/15/2019	CHECKED - JMV	REVISED -
	DATE - 8/12/2019	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

F.A.I. 94 (INTERSTATE 94) AT MONTROSE AVENUE
 CDOT ELECTRICAL DETAILS

SCALE: N.T.S. SHEET NO. OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	267-0101.3-B-R	COOK	120	38
CONTRACT NO. 62F95				ILLINOIS FED. AID PROJECT NHPP-XG101992



- INSTALLATION NOTES**
- STEP 1. COAT EXPOSED PORTION OF ANCHOR BOLTS WITH APPROVED ANTI-RUSTING COMPOUND (10-02 OR EQUAL).
 - STEP 2. INSTALL LOWER LEVELLING NUTS & WASHERS, SET AT PROPER GRADE WITH HAND LEVEL, USE TABLE FOR APPROPRIATE DIMENSIONS.
 - STEP 3. MOUNT POLE OR PEDESTAL, ATTACH TOP WASHER & NUTS HAND TIGHT.
 - STEP 4. PLUMB POLE OR PEDESTAL AFTER ALL MARKS, STREET LIGHTS, TRAFFIC SIGNALS & OTHER APPURTENANCES ARE ATTACHED TO POLE & TIGHTEN ALL NUTS.
 - STEP 5. ATTACH NUT COVERS WHERE REQUIRED.
 - STEP 6. DO NOT GRIND IN SPACE BETWEEN BOTTOM OF POLE & TOP OF FOUNDATION. TOP OF FOUNDATION OR SURFACE OF SIDEWALK MUST BE LEFT CLEAN AND SMOOTH.
 - STEP 7. POLE OR PEDESTAL IS TO BE PERFECTLY PLUMB, NO "BAR" IS TO BE LEFT.

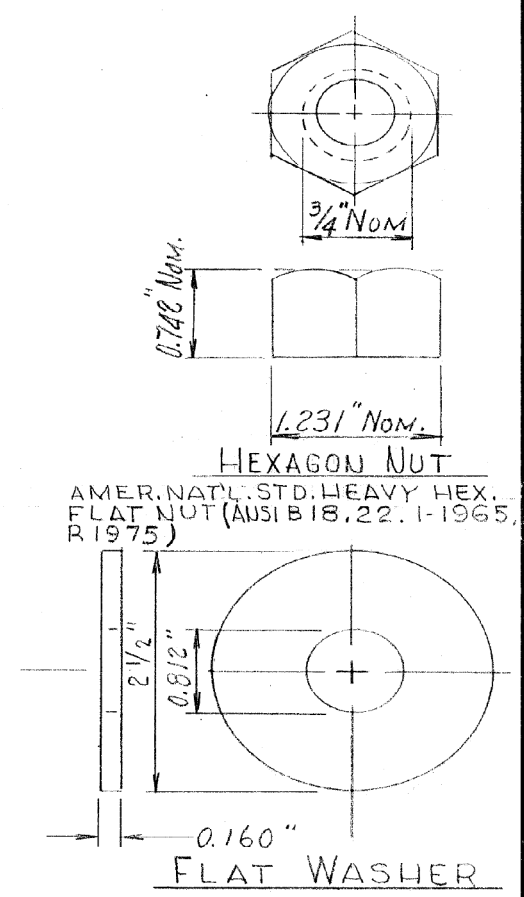
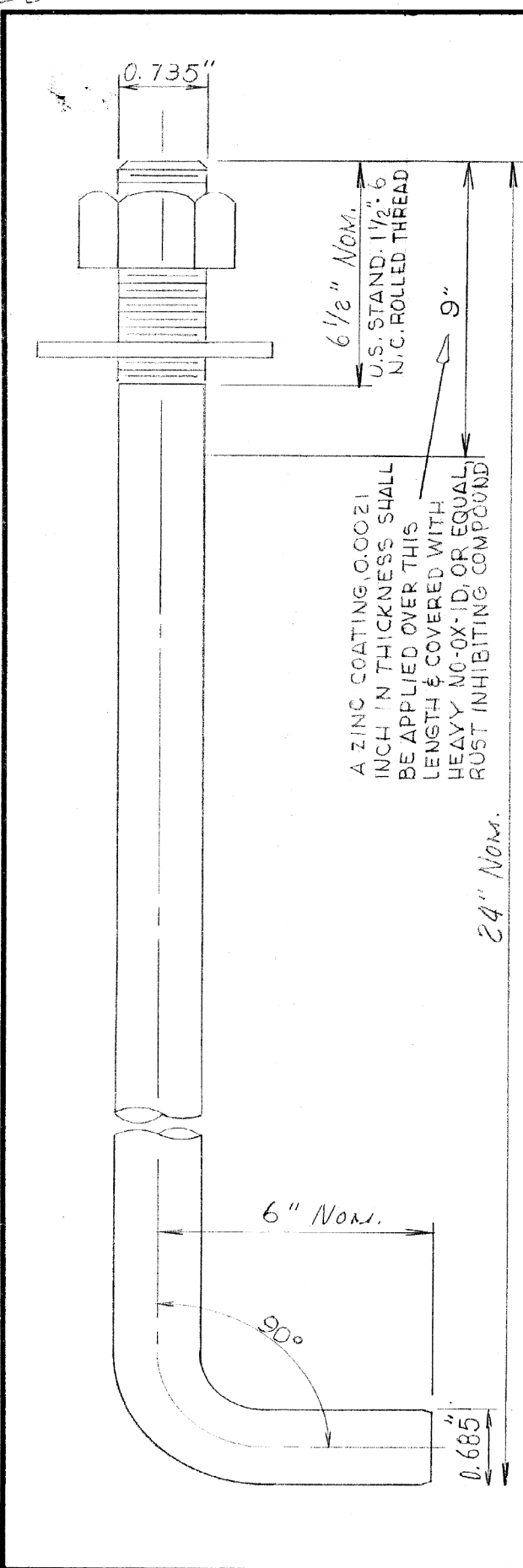
ANCHOR BOLT SIZE		POLE GAUGES				ALLIUM. PER.
T	U	7ga. 3ga.	7ga. 3ga.	7ga. 3ga.	7ga. 3ga.	
A	7/8"	7/8"	1 1/8"	1 1/8"	1 1/8"	3/4"
B	1"	1"	1 1/4"	1 1/4"	1 1/4"	3/4"
C	1 1/4"	1 1/4"	1 3/4"	1 3/4"	1 3/4"	3/4"
D	1 3/4"	1 3/4"	2"	2"	2"	3/4"
E	2"	2"	2 1/4"	2 1/4"	2 1/4"	3/4"

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

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

DESIGNED BY: [Signature]
CHECKED BY: [Signature]
DATE: 8/12/2019

837



MATERIAL

A.S.T.M. A-36 MODIFIED STEEL, 55,000 LBS. MINIMUM YIELD. HARDWARE TO BE FURNISHED & ATTACHED IN PLACE ON ROD FOR SHIPPING; 1 HEX NUT, HEAVY GALV. 1 1/2"; 1 WASHER, STEEL, ROUND GALV., TYPE "B", SERIES "W", 1 1/2" BOLT & NUT SHALL HAVE AN AMERICAN STANDARD CLASS 2 OR 3 FIT. (NUT IS TAPPED OVERSIZE BY 1/32")

3/4" x 30"

STEEL ANCHOR ROD
COMMODITY CODE 37-8180-0130

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

DRAWN RESPI/NO	CHECKED R.J.S.	ENGINEER A. DUKELSKY
Michael J. Shive ENGINEER OF ELECTRICITY		DRS. NO. 844
GEN'L. SUPT. OF ELECTRICITY		DEPUTY COMM.
SIZE 8 1/2 x 14	SCALE	DATE 10-31-85

DATE PLOTTED: 8/15/2019 4:42:14 PM
 PEN TABLE: C:\VDD\TCAD\CONP\Plotting\ACOL.PLOT.ctb
 PLOT COMFIG: C:\VDD\TCAD\CONP\Plotting\ACOL.PLOT.ctb
 FILE NAME: N:\PROJ\082828\5281\Design\10028795.dwg 1:5 scale.dwg

ENGINEERING CONSULTANT

CiorbaGroup

8725 W. Higgins Road, Suite 600 Chicago, IL 60631
P 773.775.6009 | www.ciorba.com

USER NAME = jvandra	DESIGNED - DTJ	REVISED -
PLOT SCALE = 40.0000' / in.	DRAWN - DTJ	REVISED -
PLOT DATE = 8/15/2019	CHECKED - JMV	REVISED -
	DATE - 8/12/2019	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

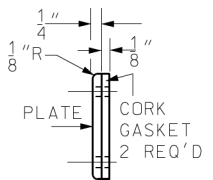
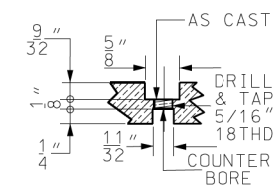
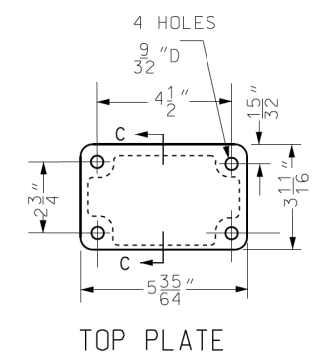
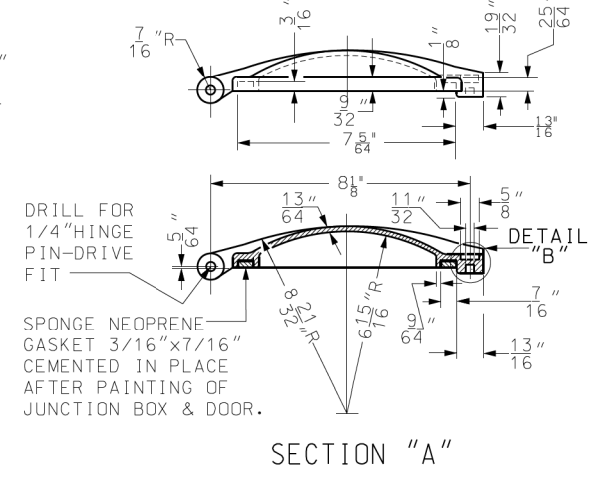
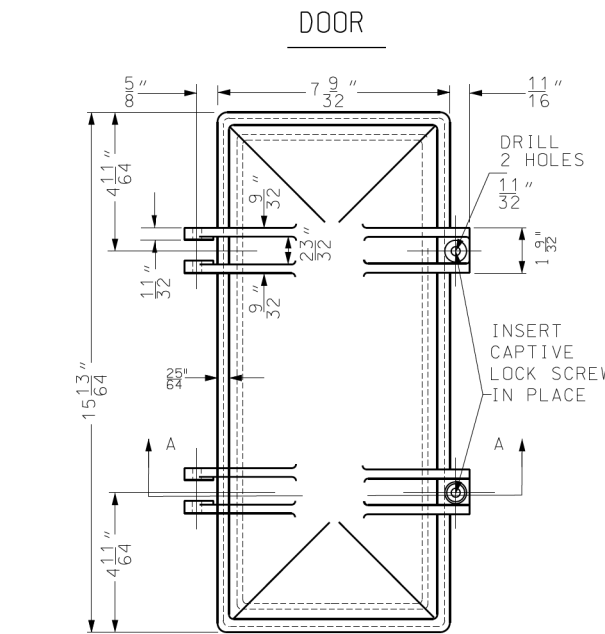
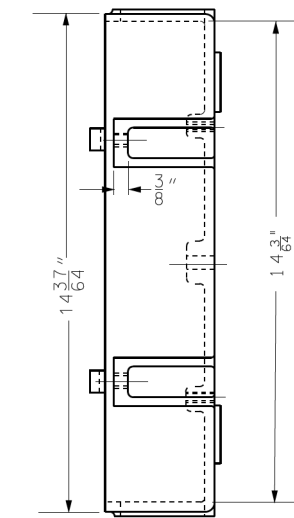
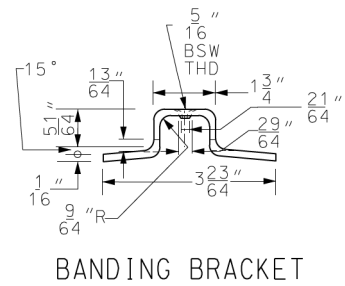
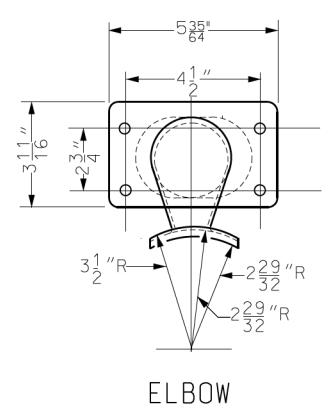
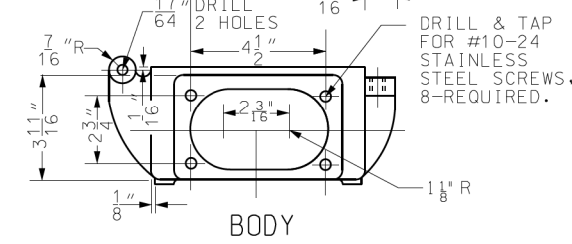
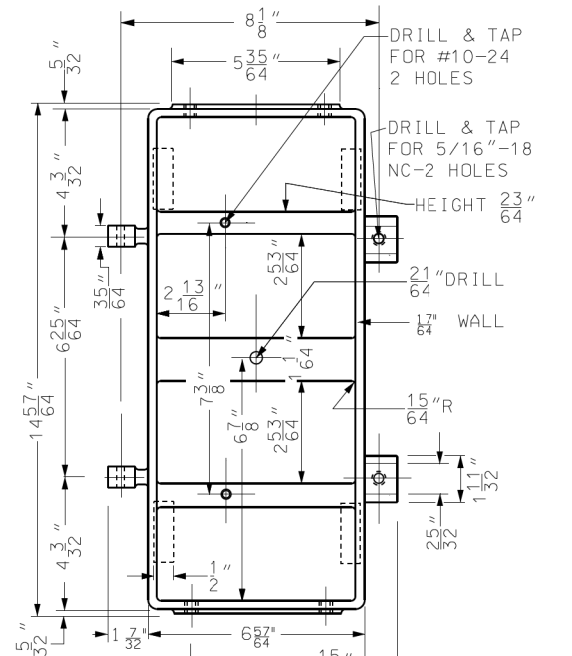
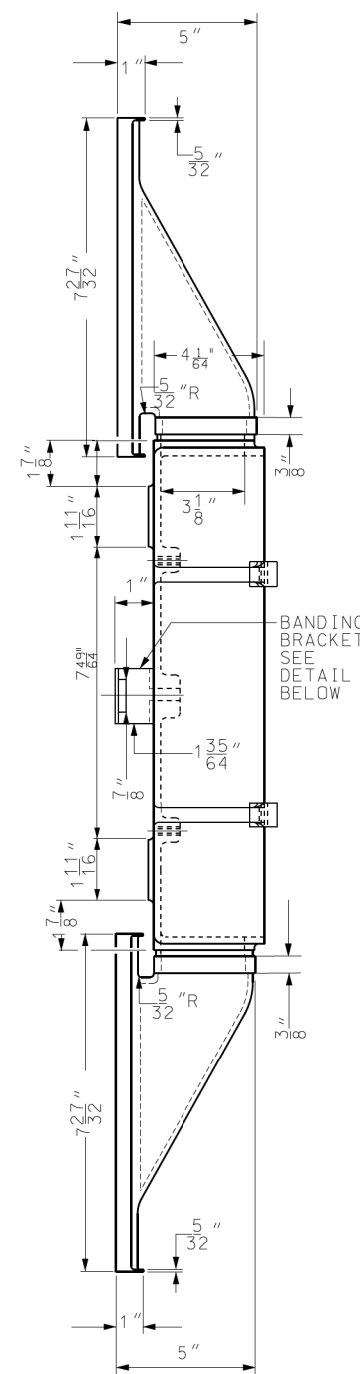
F.A.I. 94 (INTERSTATE 94) AT MONTROSE AVENUE
CDOT ELECTRICAL DETAILS

SCALE: N.T.S. SHEET NO. OF SHEETS STA. TO STA.

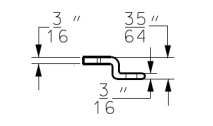
F.A.I. RTE. 94	SECTION 267-0101.3-B-R	COUNTY COOK	TOTAL SHEETS 120	SHEET NO. 39
ILLINOIS FED. AID PROJECT NHPP-XG101992			CONTRACT NO. 62F95	

DATE PLOTTED = 8/15/2019 4:42:27 PM
 PEN TABLE = 0020795.tbl
 PLOT COMFIG = C:\VDD\TCAD\CON\Fletting\ACOL.PDF.plt.ctb
 FILE NAME = N:\VDD\TCAD\CON\Fletting\ACOL.DWG

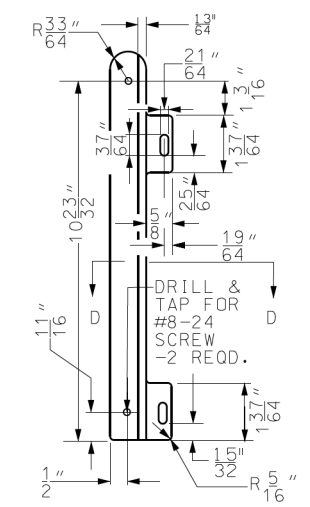
DATE: 7/24/2015
 FILE: N:\Spec\Locations\MISC\New Drawings\954_07242015.dgn



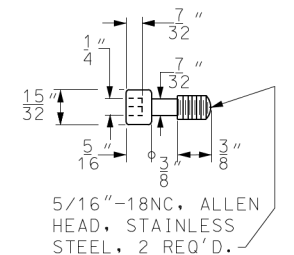
SECTION "C"



SECTION "D"



TERMINAL "Z" BRACKET

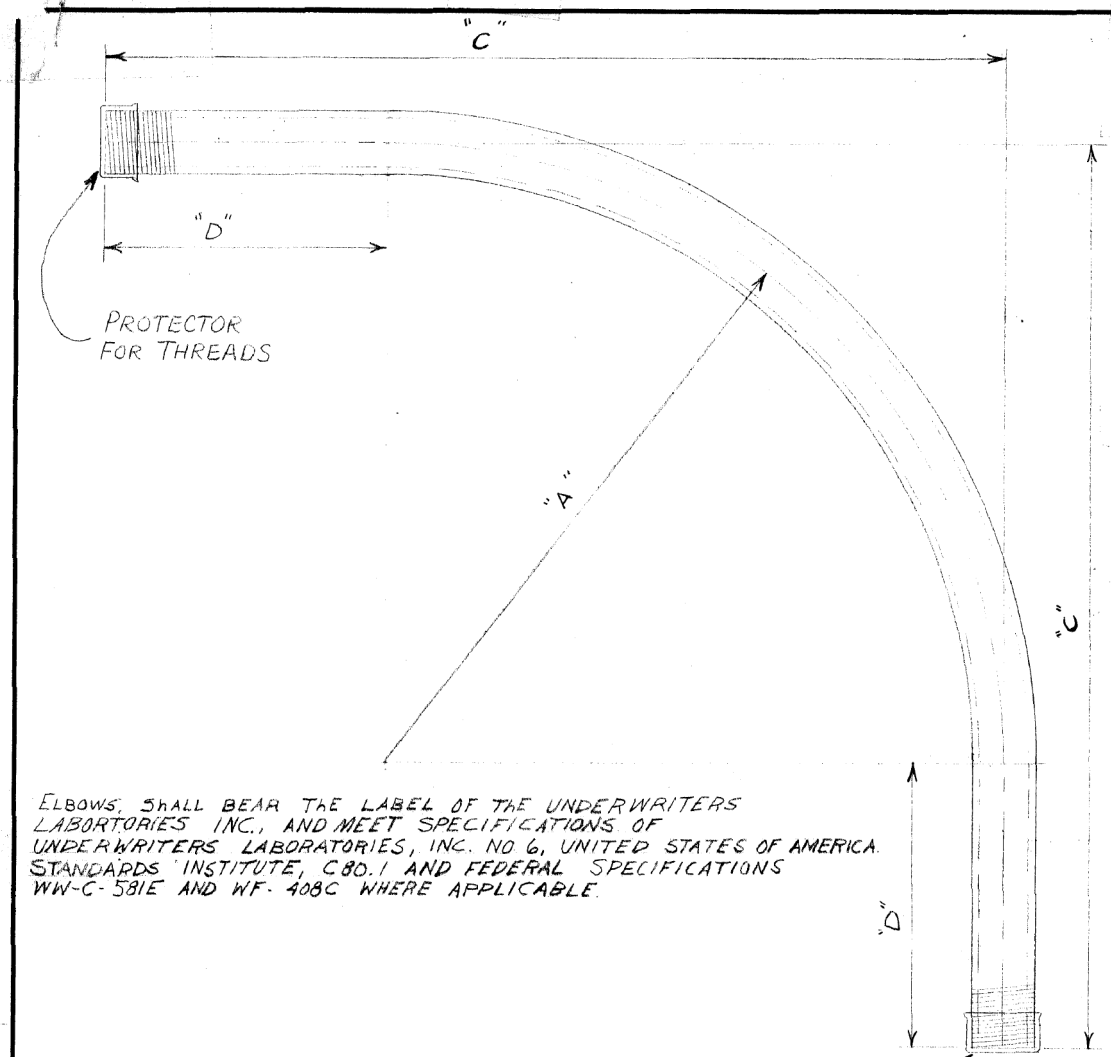


LOCK SCREW

MATERIALS

BODY, DOOR, ELBOW & PLATE: CAST ALUMINUM ALLOY. TERMINAL MTG. BRACKET: ALUMINUM ALLOY.
 SCREWS, HINGE PINS, BANDING BRACKET: STAINLESS STEEL.
 CORK GASKET 1/8" THICK, TO BE FURNISHED BETWEEN FLAT PLATE AND BODY
 SPONGE NEOPRENE GASKET 14 5/64" x 7 5/64" x 7/16", TO BE FURNISHED BETWEEN DOOR AND BODY

A	07/24/15	ELBOW ON TOP OF BOX ADDED.
	DATE	REVISION
SUPERSEDES DWG. # 832 DATED 5-1-85		
JUNCTION BOX FOR TRAFFIC SIGNAL & FIRE ALARM		
CITY OF CHICAGO DEPT. OF STREETS AND SANITATION BUREAU OF ELECTRICITY DIVISION OF ELECTRICAL ENGINEERING		
DRAFTSMAN:	CHIEF DRAFTSMAN:	ENGINEER:
O. LETAMENDI	R. C.	O. LETAMENDI
SUPERVISING ENGINEER:	ELEC. DESIGN ENGR.	
ENGINEER OF ELECTRICITY:		DWG. NO.
GEN'L SUPT. OF ELECTRICITY:		954
DEPT. COMMISSIONER:		DATE: 5-3-02
SCALE: NONE		



ELBOWS, SHALL BEAR THE LABEL OF THE UNDERWRITERS LABORATORIES INC., AND MEET SPECIFICATIONS OF UNDERWRITERS LABORATORIES, INC. NO 6, UNITED STATES OF AMERICA STANDARDS INSTITUTE, C80.1 AND FEDERAL SPECIFICATIONS WW-C-581E AND WF-408C WHERE APPLICABLE.

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

REAM BOTH ENDS TO REMOVE BURRS

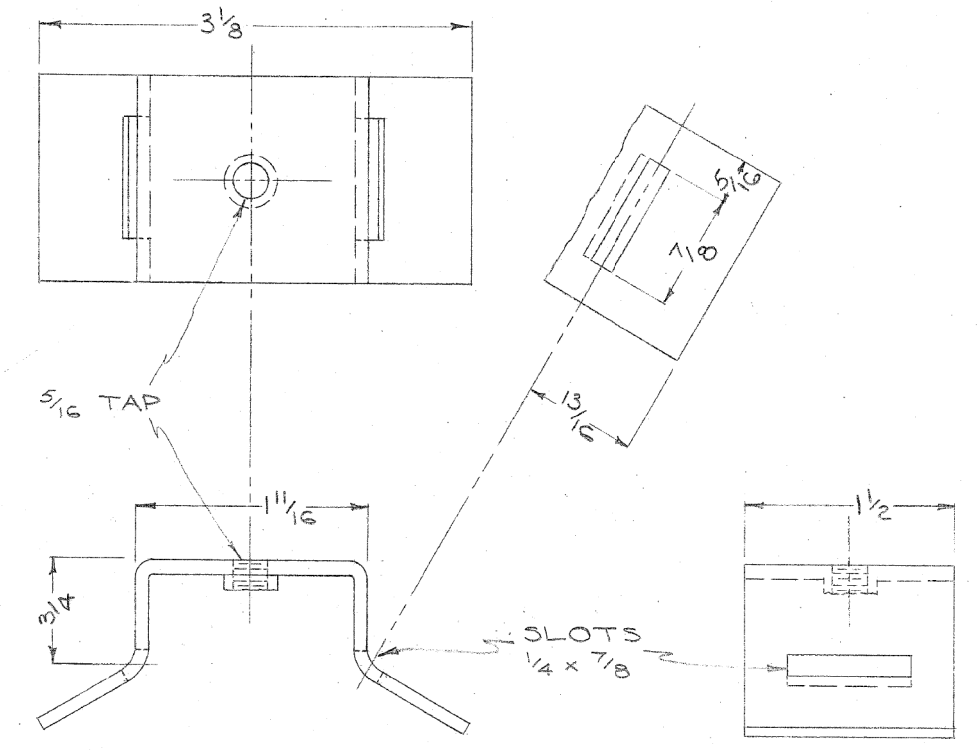
TABLE OF DIMENSIONS				
CONDUIT SIZE	DIMENSIONS			COMMODITY CODE
	"A"	"C"	"D"	
1 1/4"	24"	35"	11"	09-4001-0510
1 1/2"	24"	35"	11"	09-4001-0520
2"	24"	35"	11"	09-4001-4126
2 1/2"	24"	35"	11"	09-4001-4128
3"	24"	35"	11"	09-4001-4230
4"	24"	35"	11"	09-4001-0000

B SPECIFICATIONS REVISED
A REVISED DIMENSIONS ON 3" x 4" CONDUIT L.P.

ELBOW, CONDUIT, RIGID GALVANIZED STEEL, LARGE RADIUS

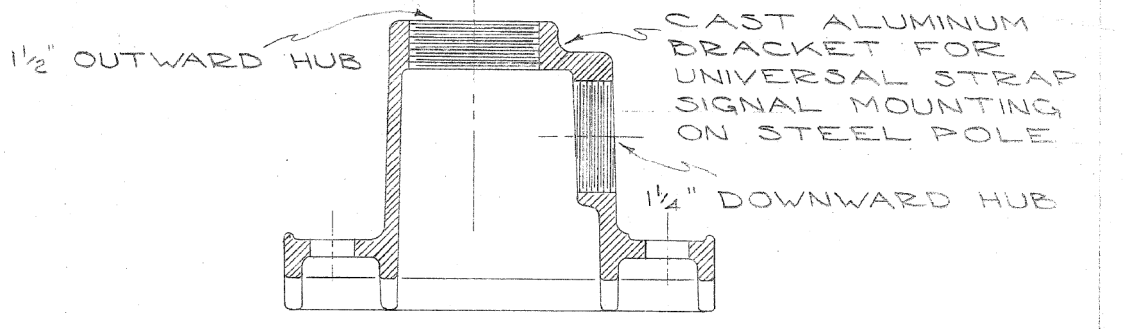
REVISED	CITY OF CHICAGO		
A 7-22-71	DEPT. OF STREETS AND SANITATION		
B 4-3-73	BUREAU OF ELECTRICITY		
C	DIVISION OF ELECTRICAL ENGINEERING		
D	DRAWN	CHECKED	ENGINEER
E	LON BURDY	M.S.	M. SHINE
F	IN CHARGE		DRG. NO.
G	11825		
	DEPUTY COMM.	DEPUTY COMM.	DATE 6-2-71
	SIZE 8 1/2" x 14"	SCALE: 3/16"	

BANDING FITTING FOR POLE MOUNTING JUNCTION BOX



MATERIAL: STAINLESS STEEL - 4 1/8 x 1/2 x 3/32

BANDING FITTING FOR POLE MOUNTING SIGNALS



MATERIAL: CAST ALUMINUM

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

BANDING FITTINGS FOR POLE MOUNTING TRAFFIC SIGNAL

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

DESIGNED	CHECKED	ENGINEER
S. NETTIN		
IN CHARGE	DRG. NO.	
11984		
DEPUTY COMM.	DEPUTY COMM.	
		8 1/2 x 14 11-14-71

DATE PLOTTED = 8/15/2019 4:42:37 PM
 PLOT FILE = C:\DOT\CDOT\CONTR\11984\11984.dgn
 PLOT SCALE = 40.0000 / in.
 PLOT DATE = 8/15/2019

ENGINEERING CONSULTANT
CiorbaGroup
 8725 W. Higgins Road, Suite 600 Chicago, IL 60631
 P 773.775.6009 | www.ciorba.com

USER NAME = jvondra	DESIGNED - DTJ	REVISED -
PLOT SCALE = 40.0000 / in.	DRAWN - DTJ	REVISED -
PLOT DATE = 8/15/2019	CHECKED - JMV	REVISED -
	DATE - 8/12/2019	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.I. 94 (INTERSTATE 94) AT MONTROSE AVENUE
CDOT ELECTRICAL DETAILS







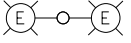
SCALE: N.T.S. SHEET NO. OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	267-0101.3-B-R	COOK	120	41
CONTRACT NO. 62F95				
ILLINOIS FED. AID PROJECT NHPP-XG101992				

GENERAL NOTES:

1. THE ELECTRICAL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE IDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND ASSOCIATED SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS (LATEST EDITION).
2. THE CONTRACTOR SHALL GIVE IN WRITING TO THE ELECTRICAL ENGINEER FOR REVIEW CONSTRUCTION STAGING FOR PROPOSED UNDERPASS LIGHTING WORK, AND OBTAIN WRITTEN APPROVAL FROM THE ELECTRICAL ENGINEER.
3. ANY ROADWAY LIGHTING MATERIALS AND/OR LIGHTING SYSTEMS SHOWN ON THE PLAN SHEETS AS "EXISTING" ARE FOR THE CONTRACTOR'S INFORMATION ONLY. THE CONTRACTOR MUST FIELD VERIFY EXISTING ROADWAY LIGHTING MATERIALS/SYSTEMS AS SPECIFIED IN THE "GENERAL ELECTRICAL REQUIREMENTS."
4. THE CONTRACTOR, AS DIRECTED BY THE ENGINEER, SHALL DISPOSE OF THE EXISTING ELECTRICAL MATERIAL. THE COST OF THIS WORK SHALL BE INCLUDED IN THE RESPECTIVE PAY ITEM.

LEGEND:

-  EXISTING UNDERPASS LUMINAIRE, 55W LOW PRESSURE SODIUM VAPOR, SUSPENDED MOUNT, TO BE REMOVED.
-  EXISTING JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, TO BE REMOVED.
-  LUMINAIRE, UNDERPASS, LED, TYPE B
-  JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE. SIZE AS NOTED
JB1: 18" X 12" X 8"
JB2: 12" X 10" X 6"
JB3: 6" X 6" X 4"
-  LUMINAIRE ID
-  EXISTING IDOT LIGHT POLE WITH SINGLE MAST ARM AND LUMINAIRE
-  EXISTING IDOT LIGHT POLE WITH DOUBLE MAST ARM AND LUMINAIRE

SCHEDULE OF QUANTITIES

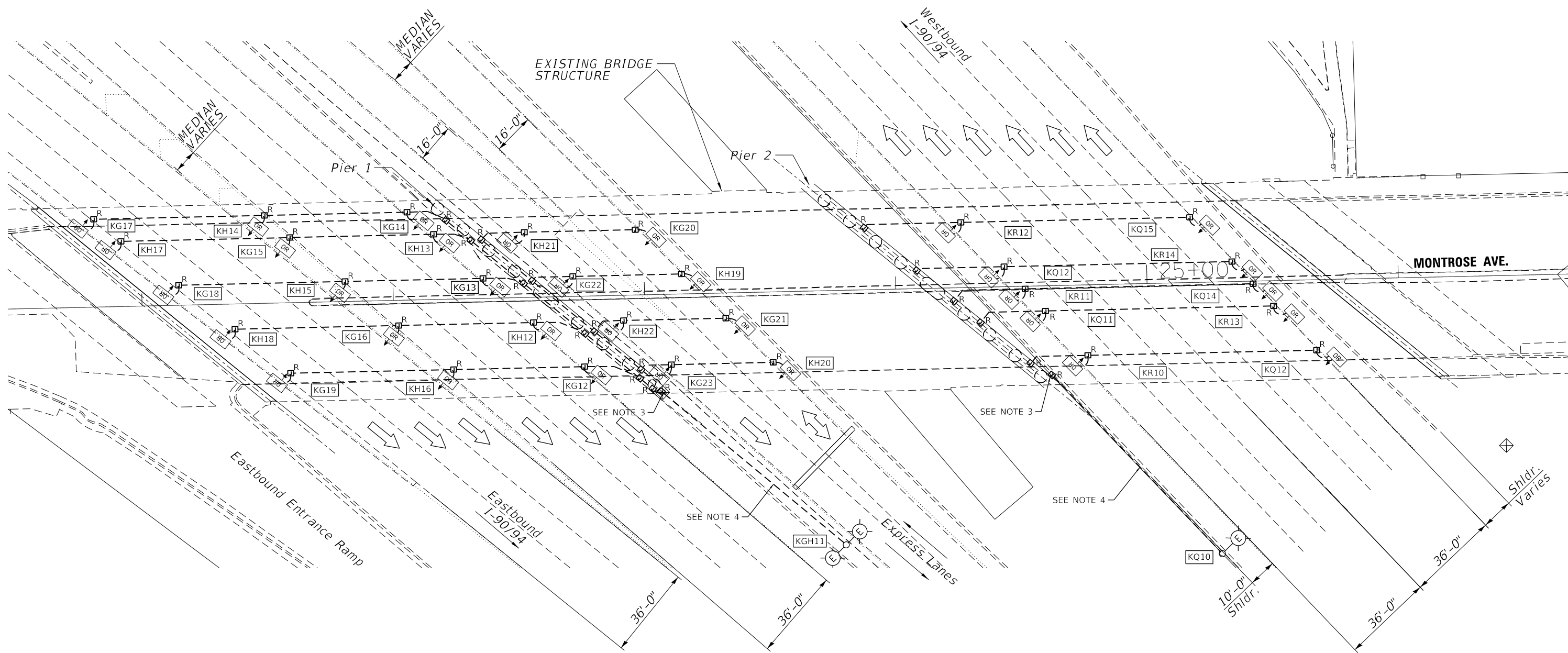
DESCRIPTION	UNIT	TOTAL
CONDUIT ATTACHED TO STRUCTURE, 1" DIA., PVC COATED GALVANIZED STEEL	FOOT	1347
JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 6" X 6" X 4"	EACH	17
JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 12" X 10" X 6"	EACH	23
JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 18" X 12" X 8"	EACH	2
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 12	FOOT	1587
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	FOOT	6348
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6	FOOT	226
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 4	FOOT	678
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	1165
LUMINAIRE, UNDERPASS, LED, TYPE B	EACH	18
UNDERPASS LIGHTING REMOVAL	L SUM	1
PROTECTION AND MAINTENANCE OF EXISTING UNDERPASS LIGHTING (SPECIAL)	L SUM	1
MAINTENANCE OF LIGHTING SYSTEM	CAL MO	9

DATE PLOTTED = 8/15/2019 4:42:55 PM
 PEN TABLE = 0020795.tbl
 C:\V\DOT\CAO\CON\Plotting\ACQI_PDF.plt.ctb
 FILE NAME = N:\PROJ\0820795\01\Design\Lighting\0820795_01-light.tbl.dgn



NOTES

1. EXISTING LIGHTING CONTROLLER AND ELECTRICAL SERVICE SHALL REMAIN OPERATIONAL AT ALL TIMES.
2. REMOVAL OF EXISTING UNDERPASS LIGHTING SYSTEM TO BE PAID FOR UNDER PAY ITEM "UNDERPASS LIGHTING REMOVAL."
3. SEE TEMPORARY LIGHTING PLAN FOR USE OF EXISTING LIGHTING SYSTEM FOR TEMPORARY LIGHTING DURING STAGE CONSTRUCTION OF BRIDGE SUPERSTRUCTURE.
4. REMOVE ELECTRIC CABLES FROM CONDUIT TO THE FIRST LIGHT POLE, LABELED AS SHOWN.
5. REMOVAL OF EXISTING LUMINAIRE NUMBERING DECAL BRACKETS IS INCLUDED IN THE COST OF UNDERPASS LIGHTING REMOVAL.



DATE PLOTTED = 8/15/2019 4:43:01 PM
 PEN TABLE = C:\VDDOT\CAO\CON\Plotting\ACQ1_Plot_Plot.ctb
 PLOT CONFIG = N:\VDDOT\0828795\01\01\01\Lighting\0828795.dgn
 FILE NAME =

ENGINEERING CONSULTANT

 8725 W. Higgins Road, Suite 600 Chicago, IL 60631
 P 773.775.6009 | www.ciorba.com

USER NAME = jvondra
 PLOT SCALE = 40.0000' / 1" =
 PLOT DATE = 8/15/2019

DESIGNED - DTJ
 DRAWN - DTJ
 CHECKED - JMV
 DATE - 8/12/2019

REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**F.A.I. 94 (INTERSTATE 94) AT MONTROSE AVENUE
 IDOT UNDERPASS LIGHTING REMOVAL PLAN**

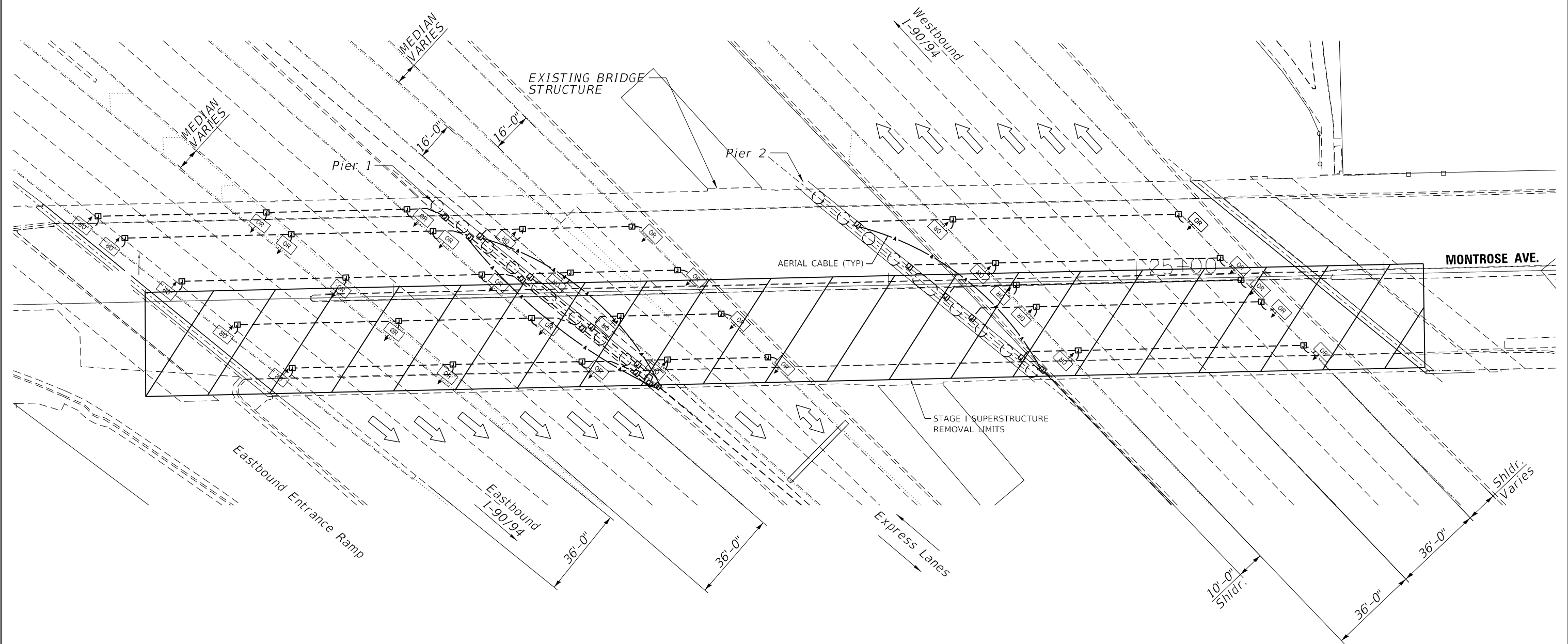
SCALE: 1" = 20' SHEET NO. OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	267-0101.3-B-R	COOK	120	43
CONTRACT NO. 62F95			ILLINOIS FED. AID PROJECT NHPP-XG101992	



NOTES

1. THE EXISTING UNDERPASS LIGHTING SYSTEM SHALL BE USED FOR TEMPORARY LIGHTING. WHEN STAGE CONSTRUCTION BEGINS, THE UNDERPASS LIGHTING ATTACHED TO THE STAGE II BRIDGE SUPERSTRUCTURE SHALL REMAIN IN OPERATION USING TEMPORARY CABLING AND CONDUIT AS NECESSARY TO ENERGIZE THE EXISTING LUMINAIRES. THIS WORK SHALL BE PAID FOR AS PROTECTION AND MAINTENANCE OF EXISTING UNDERPASS LIGHTING (SPECIAL).
2. THE REMAINING EXISTING UNDERPASS LIGHTING SYSTEM SHALL BE REMOVED JUST PRIOR TO REMOVAL OF THE STAGE II SUPERSTRUCTURE.



DATE PLOTTED = 8/15/2019 4:43:03 PM
 PEN TABLE = 0020795.tbl
 PLOT CONFIG = C:\VDDOT\CAO\CON\Plotting\ACI.plt
 FILE NAME = N:\VDDOT\267\267152\Design\Lighting\267152.dgn

ENGINEERING CONSULTANT

 8725 W. Higgins Road, Suite 600 Chicago, IL 60631
 P 773.775.6009 | www.ciorba.com

USER NAME = jvondra
 PLOT SCALE = 40.0000' / 1"

DESIGNED - DTJ
 DRAWN - DTJ
 CHECKED - JMV
 DATE - 8/12/2019

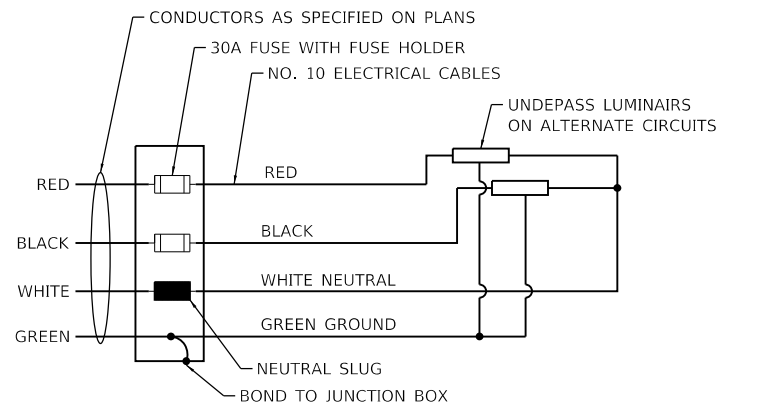
REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.I. 94 (INTERSTATE 94) AT MONTROSE AVENUE
IDOT TEMPORARY UNDERPASS LIGHTING

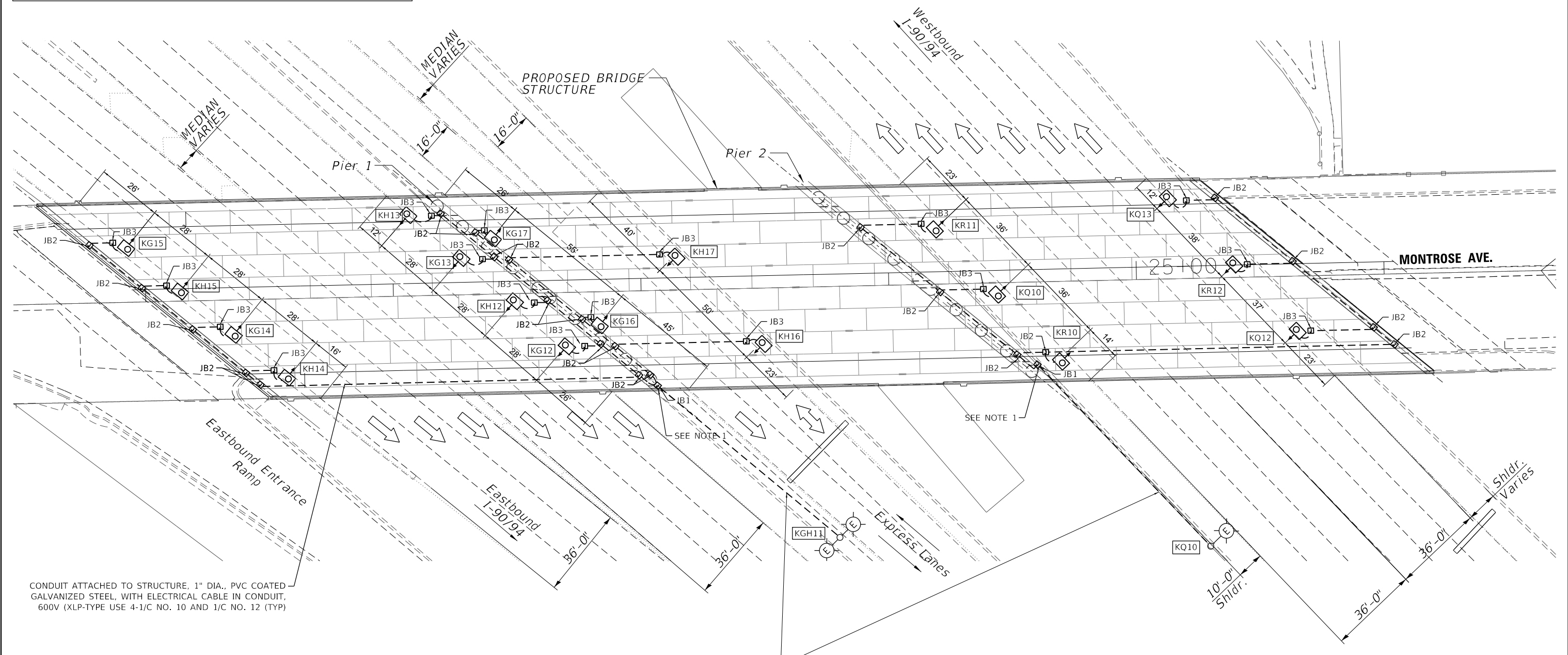
SCALE: 1" = 20' SHEET NO. OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	267-0101.3-B-R	COOK	120	44
CONTRACT NO. 62F95			ILLINOIS FED. AID PROJECT NHPP-XG101992	



WIRING SCHEMATIC FOR MAIN JUNCTION BOX (JB1)

- NOTES:
- EXISTING 3" CONDUIT TO REMAIN. EXISTING JUNCTION BOX TO BE REPLACED AS NOTED.
 - LUMINAIRES SHALL BE OFFSET 2' FROM EDGE OF PAVEMENT EXCEPT AS NOTED.
KH13 - 0' OFFSET
KG13 - 1' OFFSET
KQ13 - 1' OFFSET
 - LUMINAIRES SHALL BE CENTERED IN THE BEAM BAY EXCEPT WHERE CROSS FRAMES CONFLICT.



CONDUIT ATTACHED TO STRUCTURE, 1" DIA., PVC COATED GALVANIZED STEEL, WITH ELECTRICAL CABLE IN CONDUIT, 600V (XLP-TYPE USE 4-1/2 NO. 10 AND 1/2 NO. 12 (TYP))

INSTALL ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 3-1/2 NO. 4 AND 1/2 NO. 6 GROUND IN EXISTING CONDUIT



DATE PLOTTED = 8/15/2019 4:43:07 PM
 PEN TABLE = C:\VDD\TCAD\CON\Plotting\AC01_Plot.ctb
 PLOT CONFIG = C:\VDD\TCAD\CON\Plotting\AC01_Plot.ctb
 FILE NAME = N:\VDD\267\5421\Design\Lighting\2675421.dgn

ENGINEERING CONSULTANT

 8725 W. Higgins Road, Suite 600 | Chicago, IL 60631
 P 773.775.6009 | www.ciorba.com

USER NAME = jvondra
 PLOT SCALE = 40.0000' / 1" =
 PLOT DATE = 8/15/2019

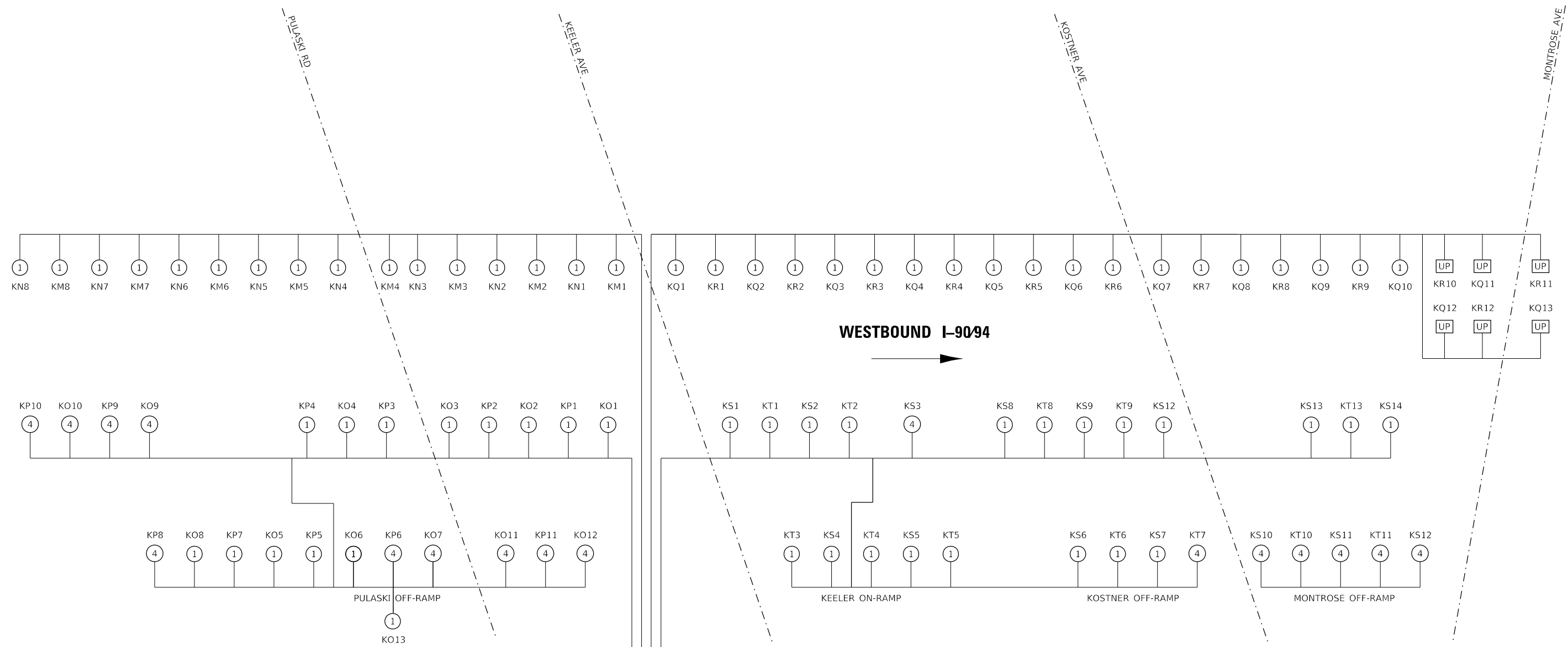
DESIGNED - DTJ
 DRAWN - DTJ
 CHECKED - JMV
 DATE - 8/12/2019

REVISED -
 REVISED -
 REVISED -
 REVISED -

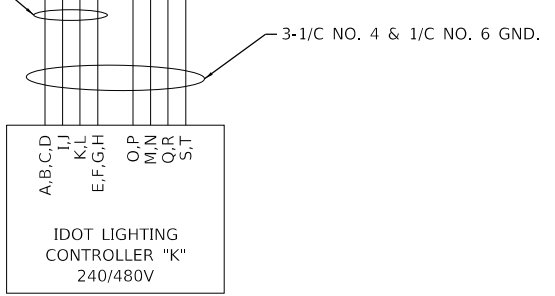
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**F.A.I. 94 (INTERSTATE 94) AT MONTROSE AVENUE
 IDOT UNDERPASS LIGHTING PLAN**
 SCALE: 1" = 20' SHEET NO. OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	267-0101.3-B-R	COOK	120	45
CONTRACT NO. 62F95				
ILLINOIS FED. AID PROJECT NHPP-XG101992				



WESTBOUND I-90/94 CIRCUITS.
SEE SHEET 47.



- ① EXISTING ALUMINUM POLE, 47.5 FT MT HGT
6 FT. DAVIT MAST ARM
400W M-C-III LUMINAIRE
- ② EXISTING ALUMINUM POLE, 47.5 FT MT HGT
2-8 FT. DAVIT MAST ARM
400W M-C-III LUMINAIRE
- ③ EXISTING ALUMINUM POLE, BREAKAWAY DEVICE
47.5 FT MT HGT, 15 FT. DAVIT MAST ARM
310W M-C-III LUMINAIRE
- ④ EXISTING ALUMINUM POLE, BREAKAWAY DEVICE
47.5 FT MT HGT, 15 FT. DAVIT MAST ARM
400W M-C-III LUMINAIRE
- ⑤ EXISTING ALUMINUM POLE, 47.5 FT MT HGT
8 FT. DAVIT MAST ARM
310W M-C-III LUMINAIRE
- ⑥ EXISTING ALUMINUM POLE, 47.5 FT MT HGT
2-8 FT. DAVIT MAST ARM
LUMINAIRE AS INDICATED
- SS EXISTING STAINLESS STEEL POLE, 47.5 FT MT HGT
2-8 FT. ELITE MAST ARM
M-C-III LUMINAIRE, WATTAGE AS NOTED
- UP PROPOSED LUMINAIRE, UNDERPASS, LED, TYPE B
- EXISTING SIGN STRUCTURE. SPAN OR CANTILEVER
AND NUMBER OF LUMINAIRES AS NOTED

DATE PLOTTED = 8/15/2019 4:43:09 PM
 PEN TABLE = 0020795.tbl
 PLOT CONFIG = C:\IDOT\CAO\CON\Plotting\AC01.ppf
 FILE NAME = N:\PROJ\0828795\01\Design\Lighting\0828795_01-light-201.dgn

ENGINEERING CONSULTANT

 8125 W. Higgins Road, Suite 600 Chicago, IL 60631
 P 773.775.6009 | www.ciorba.com

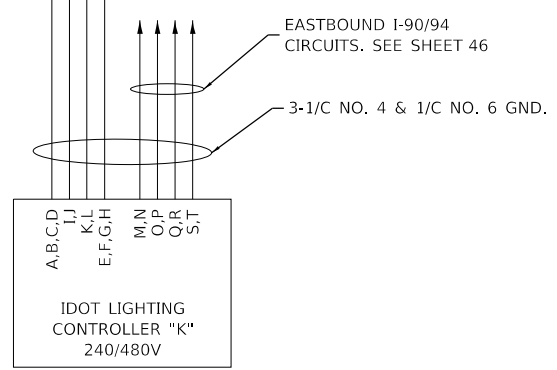
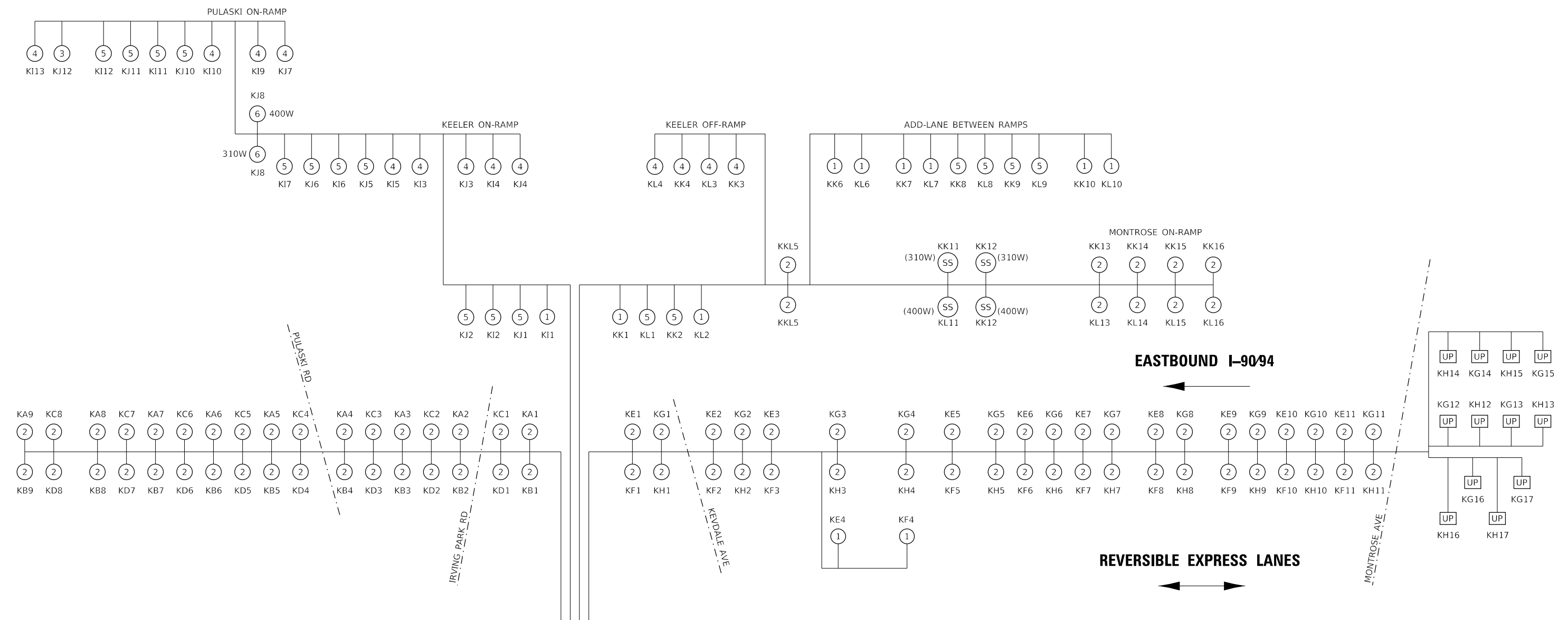
USER NAME = jvondra	DESIGNED - DTJ	REVISED -
PLOT SCALE = 40,0000' / in.	DRAWN - DTJ	REVISED -
PLOT DATE = 8/15/2019	CHECKED - JMV	REVISED -
	DATE - 8/12/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**F.A.I. 94 (INTERSTATE 94) AT MONTROSE AVENUE
IDOT SINGLE LINE DIAGRAM (WESTBOUND)**

SCALE: N.T.S. SHEET NO. 1 OF 2 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	267-0101.3-B-R	COOK	120	46
CONTRACT NO. 62F95				
ILLINOIS FED. AID PROJECT NHPP-XG101992				



- ① EXISTING ALUMINUM POLE, 47.5 FT MT HGT
6 FT. DAVIT MAST ARM
400W M-C-III LUMINAIRE
- ② EXISTING ALUMINUM POLE, 47.5 FT MT HGT
2-8 FT. DAVIT MAST ARM
400W M-C-III LUMINAIRE
- ③ EXISTING ALUMINUM POLE, BREAKAWAY DEVICE
47.5 FT MT HGT, 15 FT. DAVIT MAST ARM
310W M-C-III LUMINAIRE
- ④ EXISTING ALUMINUM POLE, BREAKAWAY DEVICE
47.5 FT MT HGT, 15 FT. DAVIT MAST ARM
400W M-C-III LUMINAIRE
- ⑤ EXISTING ALUMINUM POLE, 47.5 FT MT HGT
8 FT. DAVIT MAST ARM
310W M-C-III LUMINAIRE
- ⑥ EXISTING ALUMINUM POLE, 47.5 FT MT HGT
2-8 FT. DAVIT MAST ARM
LUMINAIRE AS INDICATED
- SS EXISTING STAINLESS STEEL POLE, 47.5 FT MT HGT
2-8 FT. ELITE MAST ARM
M-C-III LUMINAIRE, WATTAGE AS NOTED
- UP PROPOSED LUMINAIRE, UNDERPASS, LED, TYPE B
- EXISTING SIGN STRUCTURE. SPAN OR CANTILEVER
AND NUMBER OF LUMINAIRES AS NOTED

DATE PLOTTED = 8/15/2019 4:43:10 PM
 PEN TABLE = 0020795.tbl
 FILE NAME = C:\V\DOT\CAO\CON\Plotting\AC01_PDF.plt
 FILE NAME = N:\PROJ\0828795.tbl\Design\Lighting\0828795.tbl-1-light-202.dgn



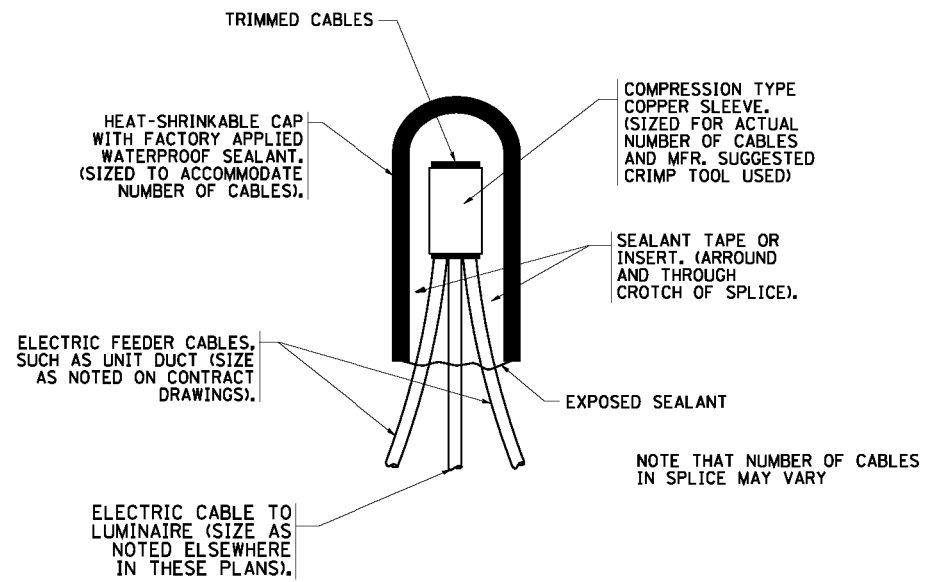
USER NAME = jvondra	DESIGNED - DTJ	REVISED -
PLOT SCALE = 40,0000' / in.	DRAWN - DTJ	REVISED -
PLOT DATE = 8/15/2019	CHECKED - JMV	REVISED -
	DATE - 8/12/2019	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.I. 94 (INTERSTATE 94) AT MONTROSE AVENUE
IDOT SINGLE LINE DIAGRAM (EASTBOUND)

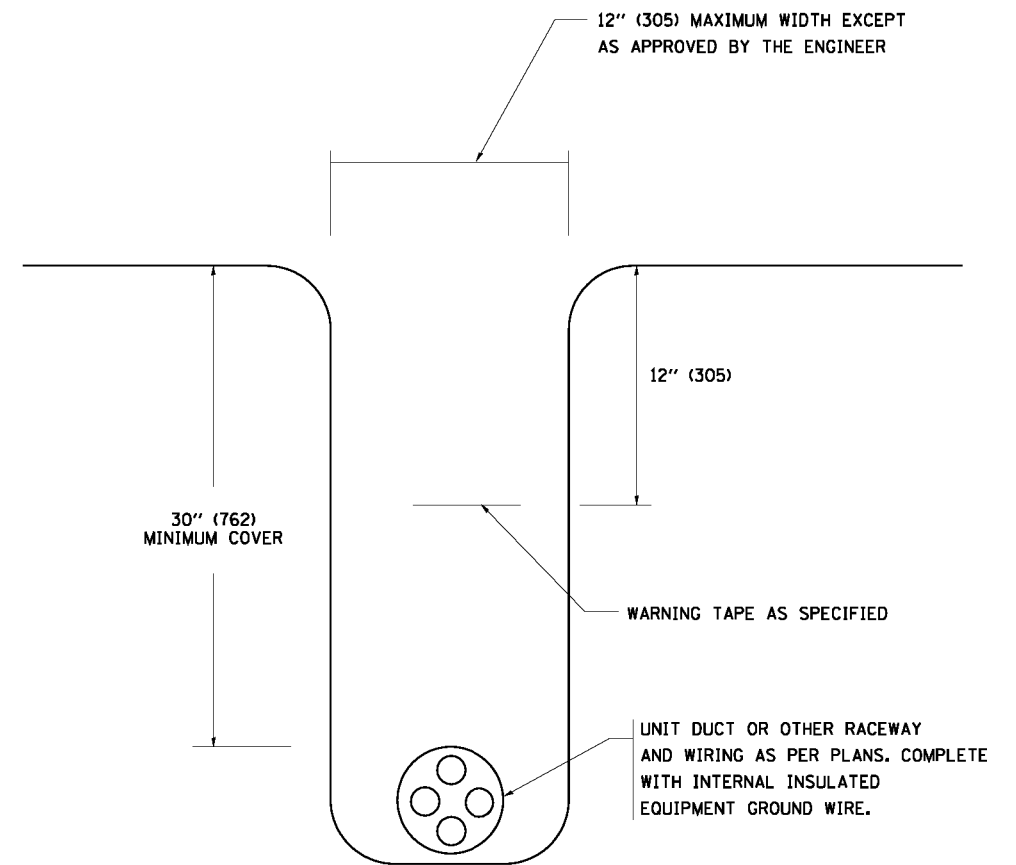
SCALE: N.T.S. SHEET NO. 2 OF 2 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	267-0101.3-B-R	COOK	120	47
CONTRACT NO. 62F95				
ILLINOIS FED. AID PROJECT NHPP-XG101992				



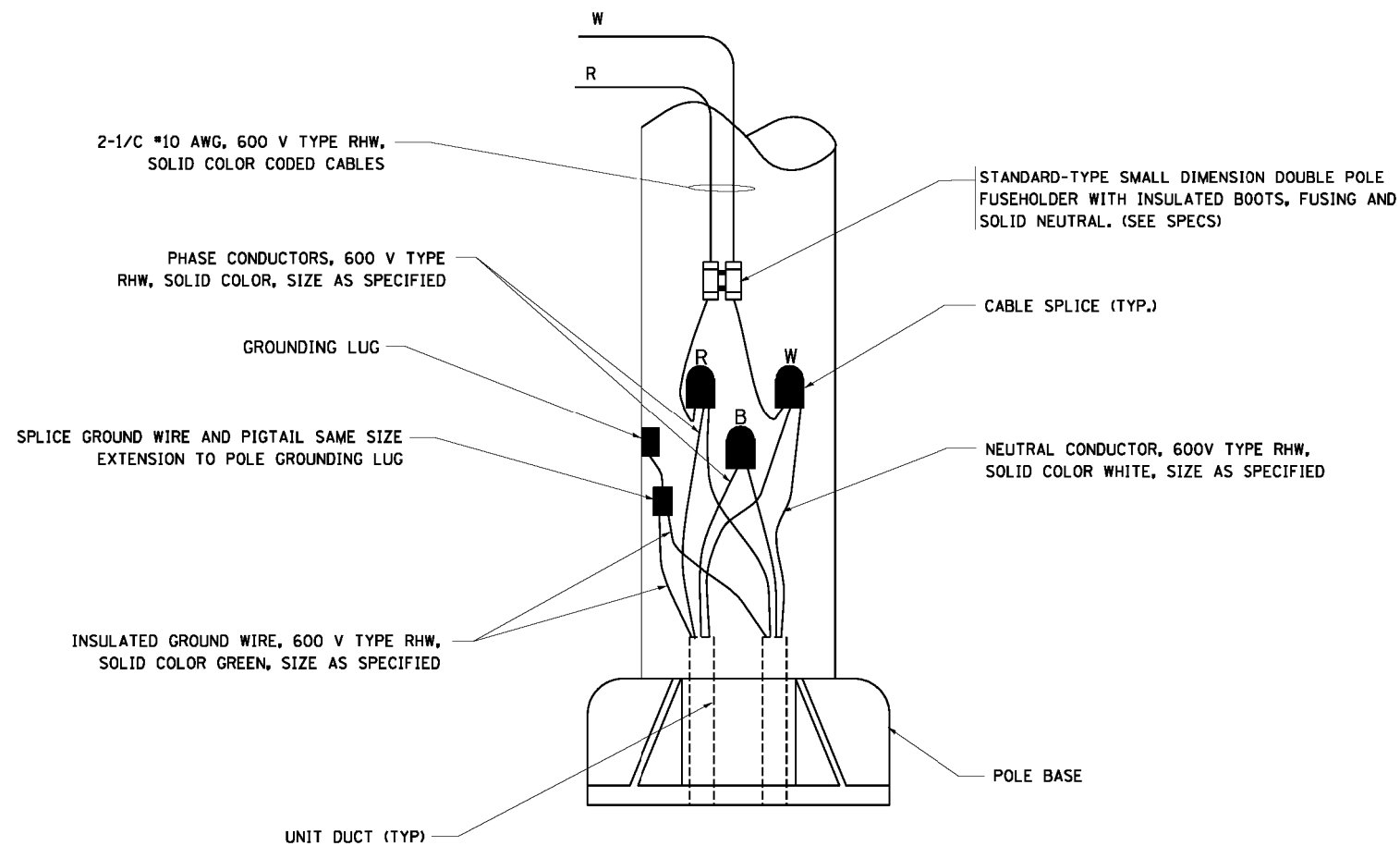
TYPICAL SPLICE DETAIL

N.T.S.



TYPICAL WIRING IN TRENCH DETAIL

N.T.S.



POLE WIRING DETAIL

N.T.S.

DATE PLOTTED = 8/15/2008 4:43:11 PM
 PEN TABLE = C:\VDDTCAD\CGI\PLT\p1.ctb
 PLOT CONFIG = N:\PROJ\0820795\01\Design\Lighting\0820795.dwg
 FILE NAME =

FILE NAME =	USER NAME = gaglianobt
W:\diststd\22x34\be702.dgn	
PLDT SCALE = 50.000 ' / IN.	PLDT DATE = 1/4/2008

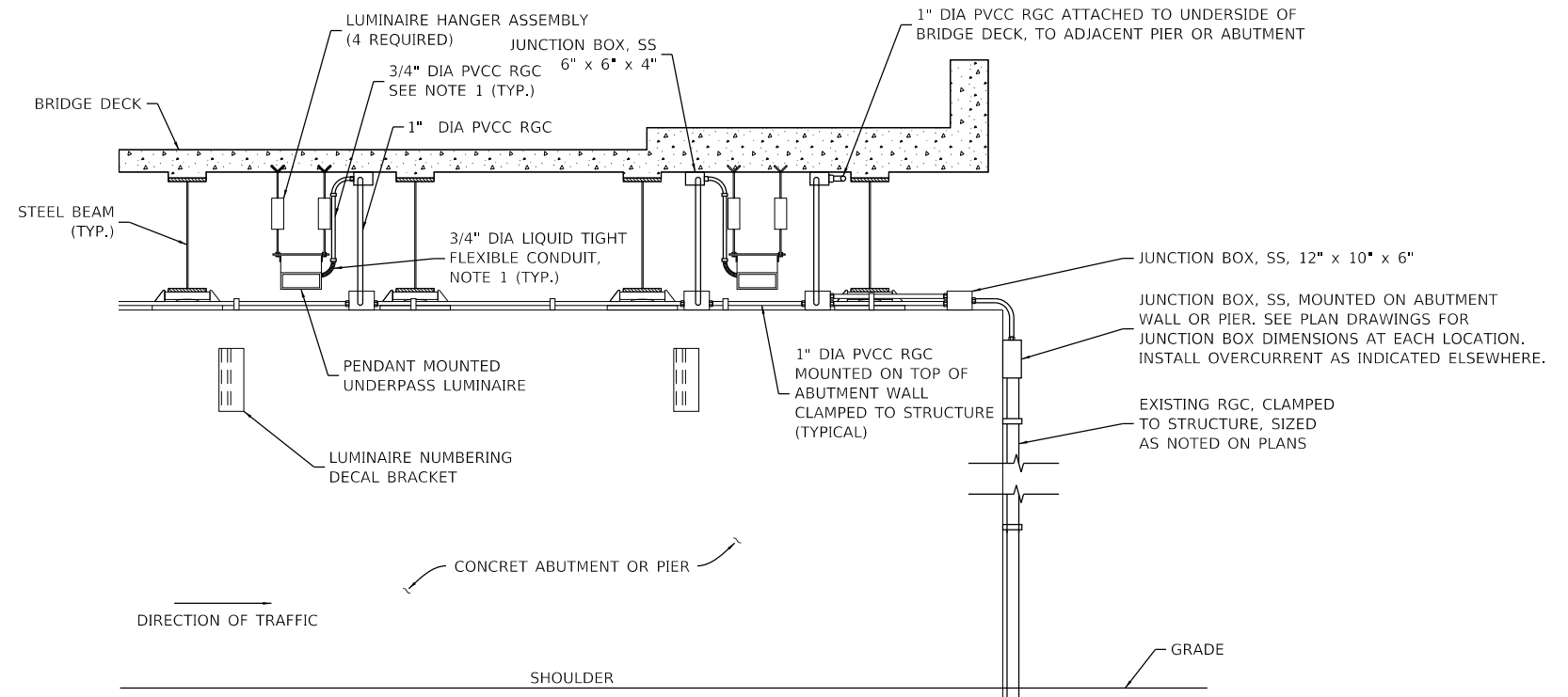
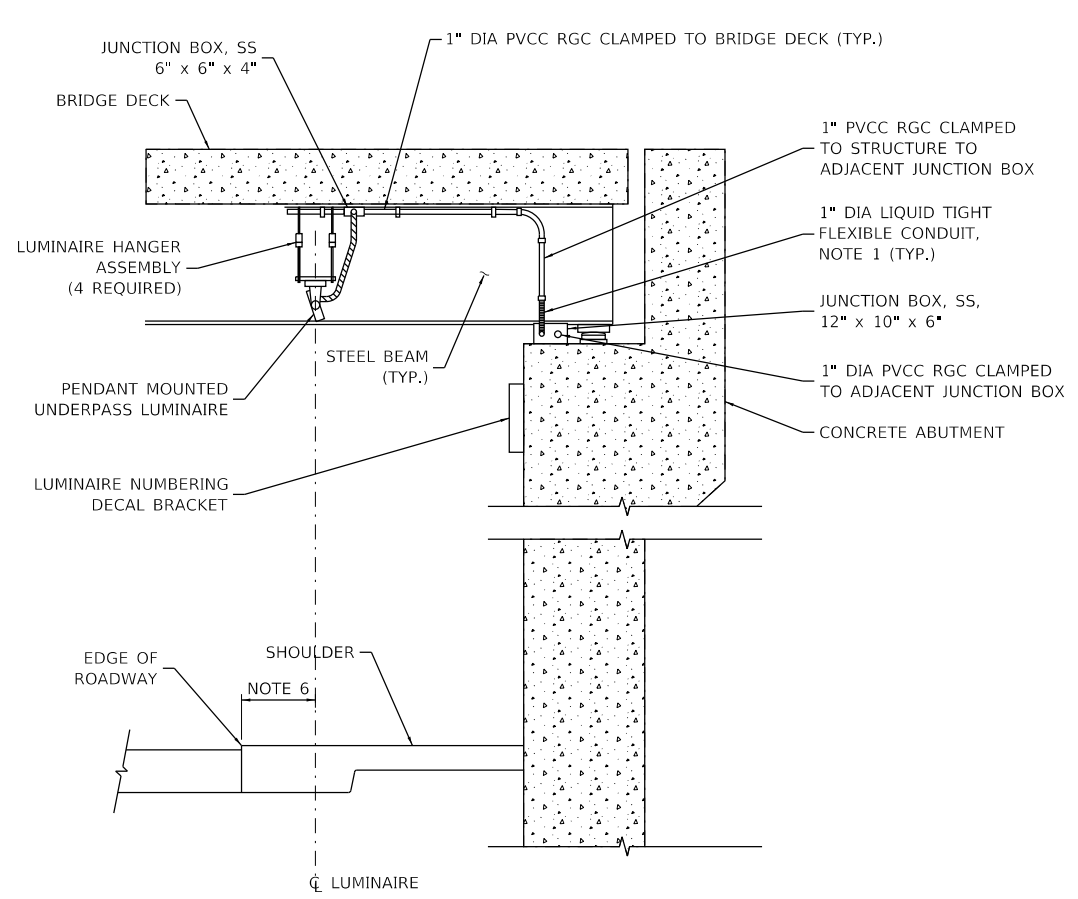
DESIGNED -	REVISED - 08-08-03
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

DESIGNED -	REVISED - 08-08-03
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

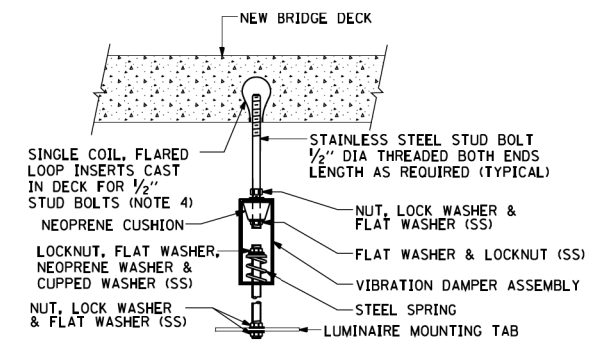
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MISC. ELECTRICAL DETAILS			
SHEET A			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

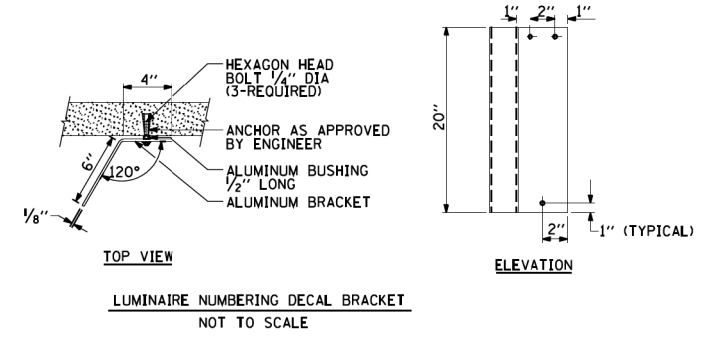
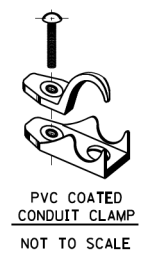
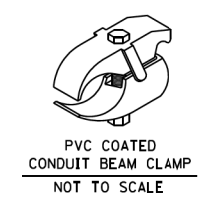
F.A. RTE. = 94	SECTION = 267-0101.3-B-R	COUNTY = COOK	TOTAL SHEETS = 120	SHEET NO. = 48
BE-702		CONTRACT NO. 62F95		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



- NOTES:**
- LIQUID TIGHT FLEXIBLE METAL CONDUIT, MAXIMUM LENGTH 6'-0", TYPICAL FOR EACH INSTANCE AS SHOWN, PROVIDE PVC COATED RIGID GALVANIZED STEEL CONDUIT AS REQUIRED NOT TO EXCEED 6'-0" OF FLEXIBLE LIQUID TIGHT METAL CONDUIT. LIQUID TIGHT FLEXIBLE METAL CONDUIT WILL BE INCLUDED IN THE COST OF THE CONDUIT ATTACHED TO STRUCTURE, OF THE CORRESPONDING DIA., GALVANIZED STEEL, PVC COATED PAY ITEM EXCEPT THAT 3/4" DIA. CONDUIT AND 1/2" DIA. FLEXIBLE CONDUIT SHALL BE INCLUDED IN THE COST OF UNDERPASS LUMINAIRE INSTALLATION.
 - SEE UNDERPASS LIGHTING PLANS FOR INSTALLATION LOCATION OF UNDERPASS LIGHTING LUMINAIRES.
 - THE CONTRACTOR SHALL USE APPROVED SINGLE COIL FLARED LOOP INSERTS WHEN SUSPENDING MOUNTING AN UNDERPASS LUMINAIRE TO A NEW BRIDGE DECK. THE FLARED LOOP INSERTS MUST BE CAST INTO THE CONCRETE DECK. THE CONTRACTOR IS RESPONSIBLE FOR LOCATING AND COORDINATING THE INSERT LOCATIONS FOR MOUNTING THE UNDERPASS LIGHTING SYSTEM AS SHOWN ON THE PLANS WITH THE BRIDGE DECK CONTRACTOR. SEE DETAIL.
 - THE UNDERPASS LUMINAIRE HANGER ASSEMBLY COMPLETE WITH HEAVY DUTY ANCHORS/INSERTS AND ALL APPLICABLE HARDWARE SHALL BE INCLUDED IN THE COST OF THE UNDERPASS LUMINAIRE PAY ITEM.
 - SECURE THE CONDUIT WITH PVC COATED CONDUIT CLAMPS OR CONDUIT BEAM CLAMPS AS SHOWN AT 5'-0" INTERVALS FOR LATERALS AND WITHIN 2'-0" MAXIMUM FROM ANY JUNCTION BOX, FLEXIBLE CONDUIT, OR CHANGE IN DIRECTION. ALL PVC COATED CONDUIT CLAMPS OR BEAM CLAMPS SHALL BE INCLUDED WITH THE COST OF THE "CONDUIT ATTACHED TO STRUCTURE, OF THE CORRESPONDING DIA., GALVANIZED STEEL, PVC COATED" PAY ITEM.
 - ALL UNDERPASS LUMINAIRES MUST BE CENTERED IN THE BEAM SPACE AS INDICATED ON THE PLANS UNLESS OTHERWISE DIRECTED BY THE ENGR. LUMINAIRE SETBACK SHALL BE AS INDICATED IN PLANS FOR EACH SPECIFIC UNDERPASS
 - THE CONCRETE ENCASED CONDUIT TRANSITION SHALL BE INCLUDED IN THE COST OF THE GALVANIZED RIGID STEEL CONDUIT PAY ITEMS.
 - ALL CONDUIT ATTACHED TO STRUCTURE SHALL BE PVC COATED RIGID STEEL CONDUIT (PVCC RGC) TYPICAL.



TYPICAL LUMINAIRE HANGER ASSEMBLY DETAIL



IDOT UNDERPASS LUMINAIRE MOUNTING DETAILS

DATE PLOTTED = 8/15/2019 4:43:33 PM
 PEN TABLE = C:\VDD\TCAD\CON\Plotting\ACI.Plot.ctb
 PLOT CONFIG = N:\VDD\10828795\21\Design\Lighting\0828795.dgn
 FILE NAME =

ENGINEERING CONSULTANT

 8725 W Higgins Road, Suite 600 Chicago, IL 60631
 P 773.775.4009 | www.ciorba.com

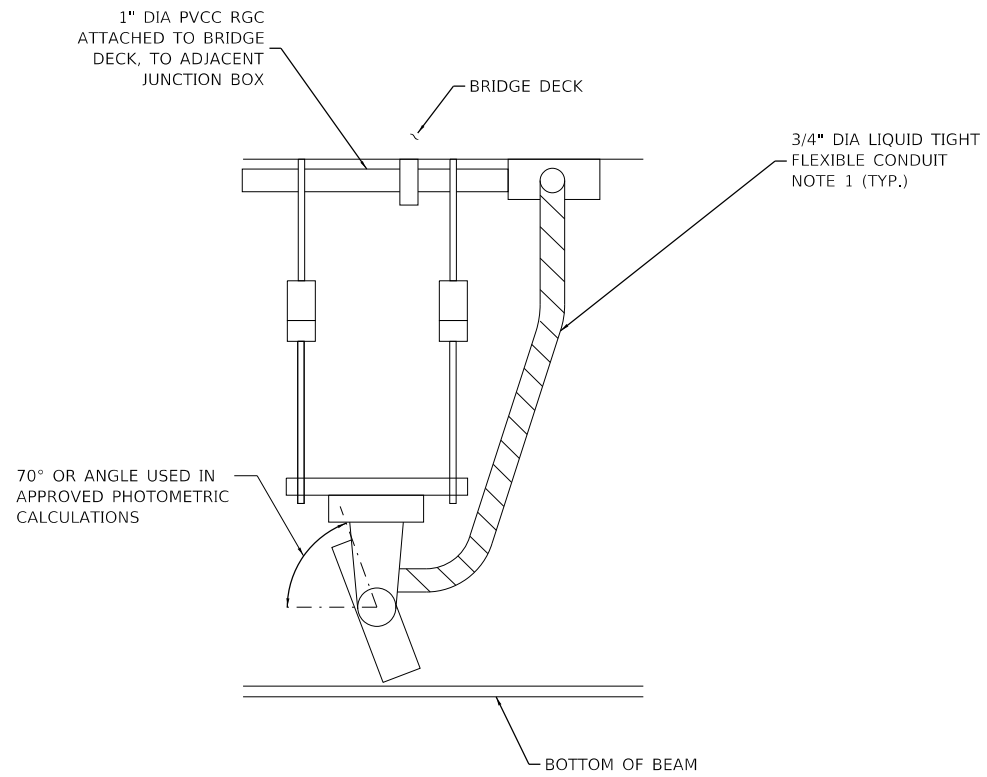
USER NAME = jvandra	DESIGNED - DTJ	REVISED -
PLOT SCALE = 40,0000' / 1"	DRAWN - DTJ	REVISED -
PLOT DATE = 8/15/2019	CHECKED - JMV	REVISED -
	DATE - 8/12/2019	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

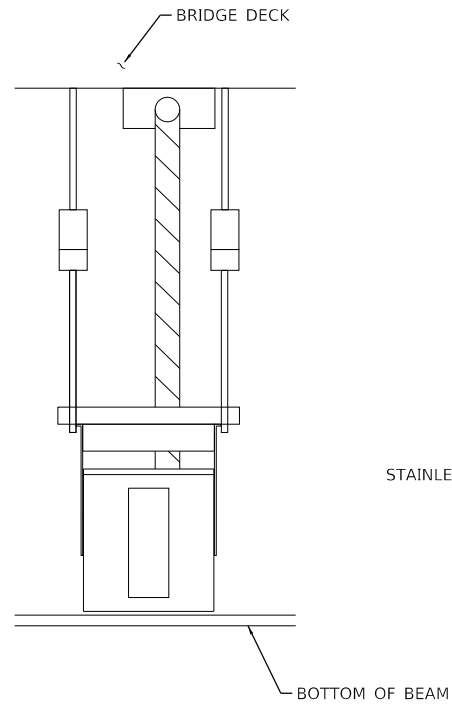
F.A.I. 94 (INTERSTATE 94) AT MONTROSE AVENUE
IDOT LIGHTING DETAILS

SCALE: N.T.S. SHEET NO. OF SHEETS STA. TO STA.

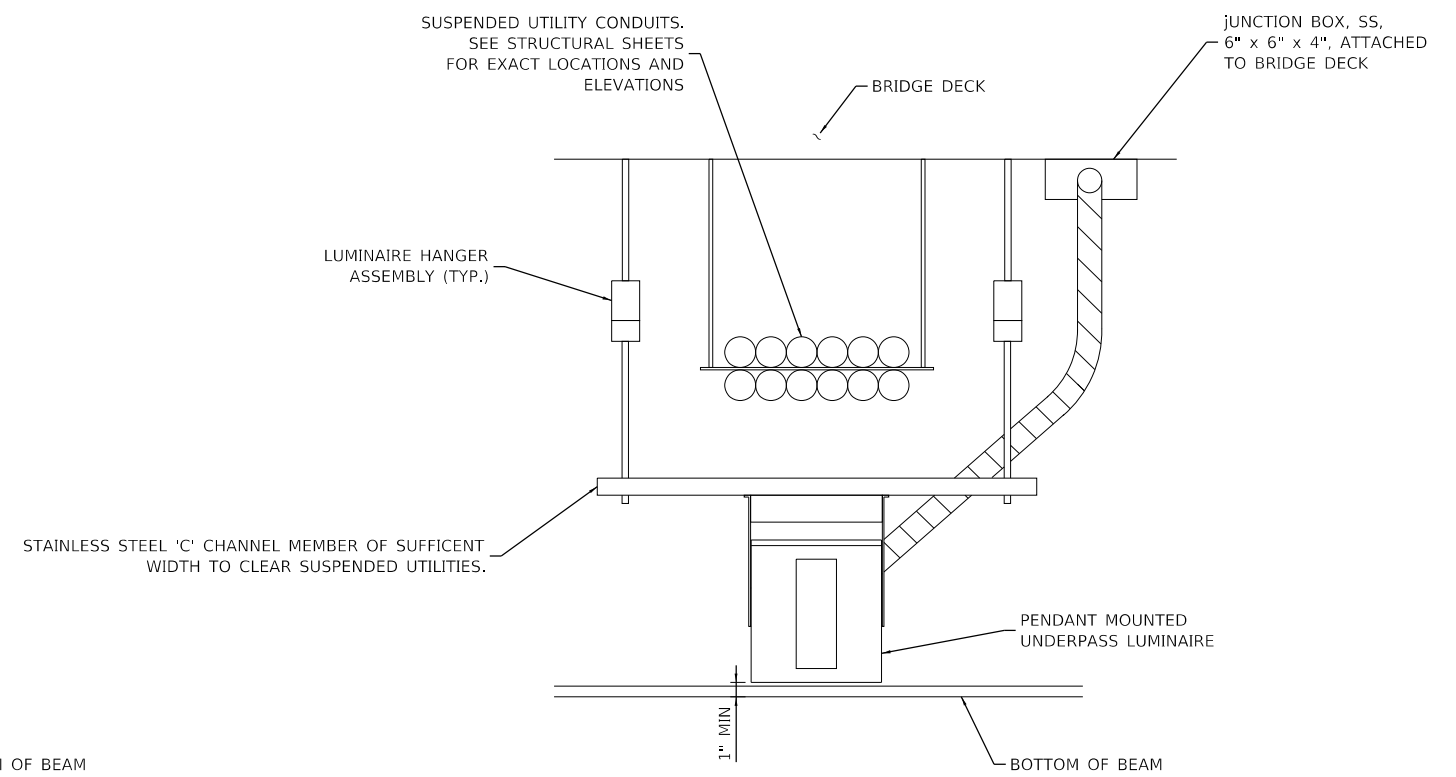
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	267-0101.3-B-R	COOK	120	50
CONTRACT NO. 62F95				
ILLINOIS FED. AID PROJECT NHPP-XG101992				



SIDE VIEW



FRONT VIEW



**FRONT VIEW
FOR BEAM BAYS WITH SUSPENDED UTILITIES**

IDOT UNDERPASS LUMINAIRE MOUNTING DETAILS

DATE PLOTTED = 8/15/2019 4:43:56 PM
 PEN TABLE = 0020795.tbl
 PLOT CONFIG = C:\IDOT\CAO\CCNP\Plotting\ACQI.ppf.ctb
 FILE NAME = N:\PROJ\0828795\01\Design\Lighting\0828795_01-light504.dgn



USER NAME = jvondra	DESIGNED - DTJ	REVISED -
PLOT SCALE = 40.0000' / 1in.	DRAWN - DTJ	REVISED -
PLOT DATE = 8/15/2019	CHECKED - JMV	REVISED -
	DATE - 8/12/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**F.A.I. 94 (INTERSTATE 94) AT MONTROSE AVENUE
IDOT LIGHTING DETAILS**

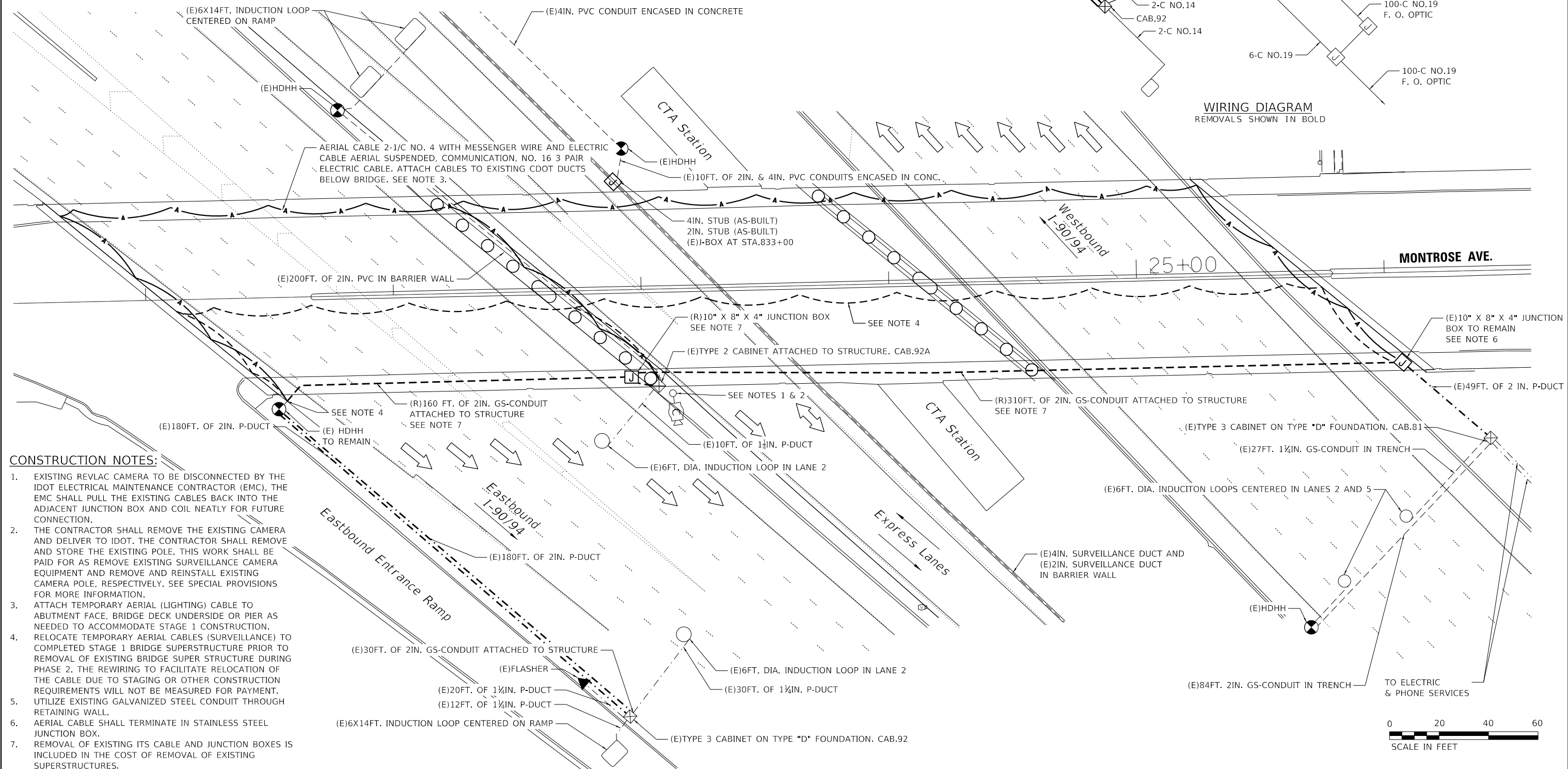
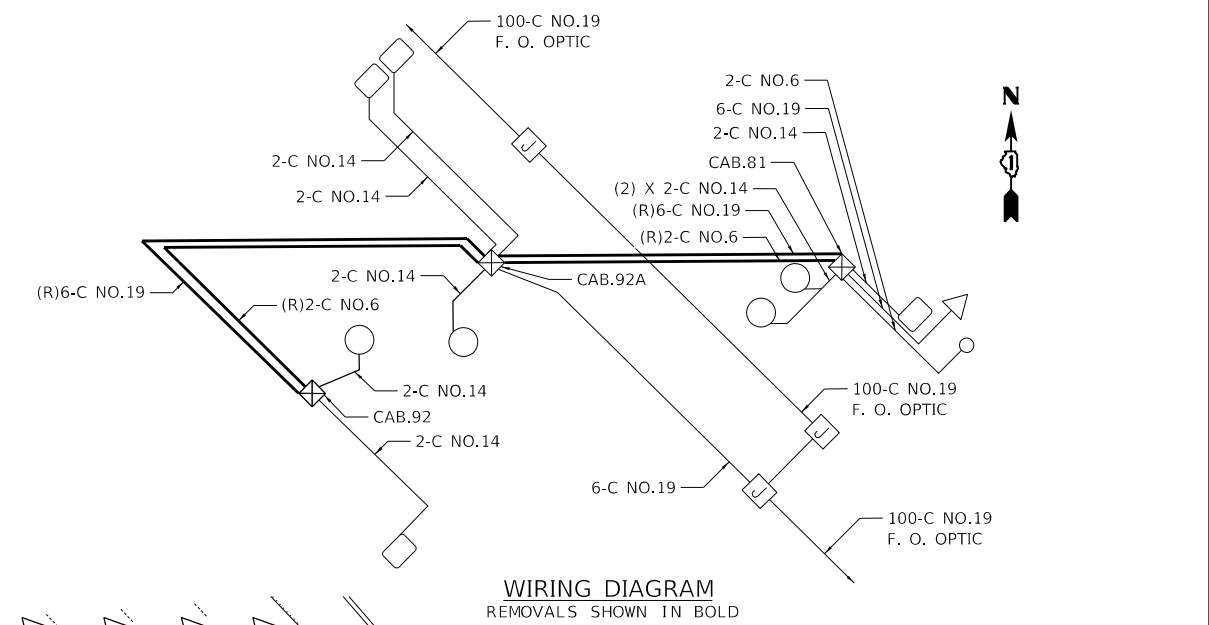
SCALE: N.T.S. SHEET NO. OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	267-0101.3-B-R	COOK	120	51
CONTRACT NO. 62F95				
ILLINOIS FED. AID PROJECT NHPP-XG101992				

SYMBOL	LEGEND	SYMBOL	LEGEND
	INDUCTION LOOP		P-DUCT
	ROUND INDUCTION LOOP		GS-CONDUIT
	TSC CABINET	(E)	EXISTING
	TELEPHONE SERVICE	(P)	PROPOSED
	SERVICE INSTALLATION	(I)	INSTALL
	JUNCTION BOX		FLASHER
	HEAVY DUTY HANDHOLE		RAMP METERING
	REVLAC CAMERA POLE		

ITS GENERAL NOTES:

1. THE CONTRACTOR SHALL CONTACT THE IDOT TRAFFIC SYSTEMS CENTER (708-524-2145) 72 HOURS IN ADVANCE OF ALL WORK THAT REQUIRES TEMPORARY DE-ENERGIZING OF ITS EQUIPMENT.
2. ALL EQUIPMENT TO BE WIRED USING AERIAL CABLES SHALL BE DISCONNECTED AND RECONNECTED WITHIN THE SAME CALENDAR DAY.



- CONSTRUCTION NOTES:**
1. EXISTING REVLAC CAMERA TO BE DISCONNECTED BY THE IDOT ELECTRICAL MAINTENANCE CONTRACTOR (EMC). THE EMC SHALL PULL THE EXISTING CABLES BACK INTO THE ADJACENT JUNCTION BOX AND COIL NEATLY FOR FUTURE CONNECTION.
 2. THE CONTRACTOR SHALL REMOVE THE EXISTING CAMERA AND DELIVER TO IDOT. THE CONTRACTOR SHALL REMOVE AND STORE THE EXISTING POLE. THIS WORK SHALL BE PAID FOR AS REMOVE EXISTING SURVEILLANCE CAMERA EQUIPMENT AND REMOVE AND REINSTALL EXISTING CAMERA POLE, RESPECTIVELY. SEE SPECIAL PROVISIONS FOR MORE INFORMATION.
 3. ATTACH TEMPORARY AERIAL (LIGHTING) CABLE TO ABUTMENT FACE, BRIDGE DECK UNDERSIDE OR PIER AS NEEDED TO ACCOMMODATE STAGE 1 CONSTRUCTION.
 4. RELOCATE TEMPORARY AERIAL CABLES (SURVEILLANCE) TO COMPLETED STAGE 1 BRIDGE SUPERSTRUCTURE PRIOR TO REMOVAL OF EXISTING BRIDGE SUPER STRUCTURE DURING PHASE 2. THE REWIRING TO FACILITATE RELOCATION OF THE CABLE DUE TO STAGING OR OTHER CONSTRUCTION REQUIREMENTS WILL NOT BE MEASURED FOR PAYMENT.
 5. UTILIZE EXISTING GALVANIZED STEEL CONDUIT THROUGH RETAINING WALL.
 6. AERIAL CABLE SHALL TERMINATE IN STAINLESS STEEL JUNCTION BOX.
 7. REMOVAL OF EXISTING ITS CABLE AND JUNCTION BOXES IS INCLUDED IN THE COST OF REMOVAL OF EXISTING SUPERSTRUCTURES.



DATE PLOTTED = 8/15/2019 4:44:03 PM
 PEN TABLE = C:\VDD\TCAD\CON\Plotting\ACQI_Plot_Plotting.tbl
 PLOT CONFIG = N:\PROJ\0828795\01\Design\Lighting\0828795.dgn
 FILE NAME =



ENGINEERING CONSULTANT	USER NAME = jvondra	DESIGNED - DTJ	REVISED -
		DRAWN - DTJ	REVISED -
	PLOT SCALE = 40,0000' / in.	CHECKED - JMV	REVISED -
	PLOT DATE = 8/15/2019	DATE - 8/12/2019	REVISED -

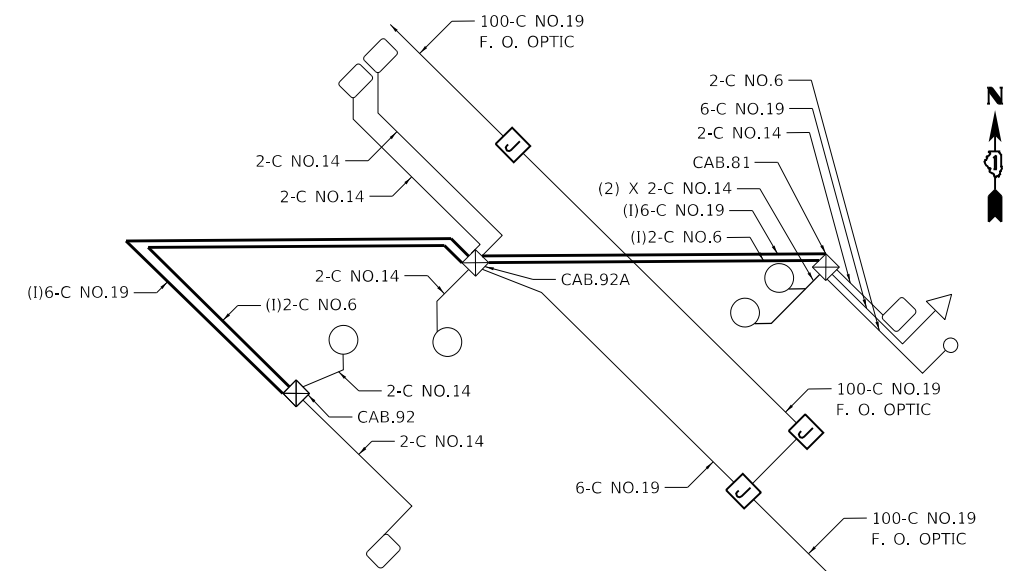
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**F.A.I. 94 (INTERSTATE 94) AT MONTROSE AVENUE
ITS REMOVAL PLAN AND ADVANCE WORK**

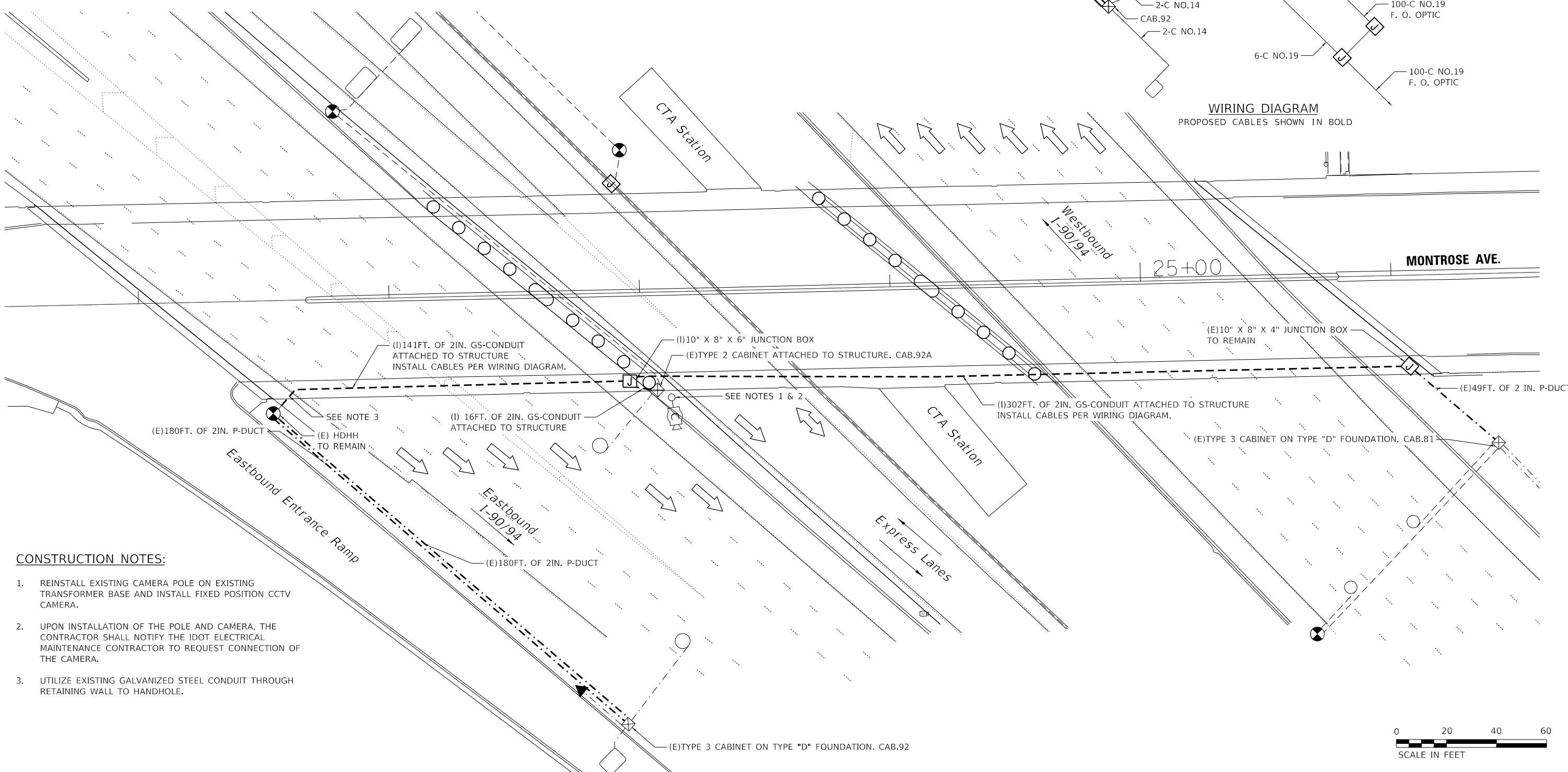
SCALE: 1" = 20' SHEET NO. OF SHEETS STA. TO STA.

F.A.I. RTE. 94	SECTION 267-0101.3-B-R	COUNTY COOK	TOTAL SHEETS 120	SHEET NO. 52
CONTRACT NO. 62F95				
ILLINOIS FED. AID PROJECT NHPP-XG101992				

SYMBOL	LEGEND	SYMBOL	LEGEND
	INDUCTION LOOP		P-DUCT
	ROUND INDUCTION LOOP		GS-CONDUIT
	TSC CABINET	(E)	EXISTING
	TELEPHONE SERVICE	(P)	PROPOSED
	SERVICE INSTALLATION	(I)	INSTALL
	JUNCTION BOX		FLASHER
	HEAVY DUTY HANDHOLE		RAMP METERING
	REVLAC CAMERA POLE		



WIRING DIAGRAM
PROPOSED CABLES SHOWN IN BOLD



CONSTRUCTION NOTES:

1. REINSTALL EXISTING CAMERA POLE ON EXISTING TRANSFORMER BASE AND INSTALL FIXED POSITION CCTV CAMERA.
2. UPON INSTALLATION OF THE POLE AND CAMERA, THE CONTRACTOR SHALL NOTIFY THE IDOT ELECTRICAL MAINTENANCE CONTRACTOR TO REQUEST CONNECTION OF THE CAMERA.
3. UTILIZE EXISTING GALVANIZED STEEL CONDUIT THROUGH RETAINING WALL TO HANDHOLE.



DATE PLOTTED = 8/15/2019 4:44:07 PM
 PEN TABLE = 0020795.tbl
 PLOT CONFIG = C:\VDD\TCD\CON\Plotting\ACQ1_Plot.ctb
 FILE NAME = N:\VDD\TCD\CON\Plotting\Lighting\082019\082019.dgn

 8725 W. Higgins Road, Suite 600 Chicago, IL 60631 P 773.775.6009 www.ciorba.com	USER NAME = jvondra PLOT SCALE = 40,0000' / 1in. PLOT DATE = 8/15/2019	DESIGNED - DTJ DRAWN - DTJ CHECKED - JMV DATE - 8/12/2019	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	F.A.I. 94 (INTERSTATE 94) AT MONTROSE AVENUE PROPOSED ITS PLAN	F.A.I. RTE. = 94 SECTION = 267-0101.3-B-R COUNTY = COOK TOTAL SHEETS = 120 SHEET NO. = 53	CONTRACT NO. 62F95 ILLINOIS FED. AID PROJECT NHPP-XG101992
	SCALE: 1" = 20' SHEET NO. OF SHEETS STA. TO STA.						

THIS SHEET INTENTIONALLY BLANK

DATE PLOTTED = 8/15/2019 4:44:09 PM
 PEN TABLE = 0820755.tbl
 PLOT CONFIG = C:\VDDOTCAD\CAD\Plotting\ACI_Plot_Plot.ctb
 FILE NAME = N:\PROJ\0820755\01\Design\Lighting\0820755_01-ITS1.dgn



USER NAME = jvondra	DESIGNED - DTJ	REVISED -
	DRAWN - DTJ	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED - JMV	REVISED -
PLOT DATE = 8/15/2019	DATE - 8/12/2019	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**F.A.I. 94 (INTERSTATE 94) AT MONTROSE AVENUE
 ITS DETAILS**

SCALE: 1" = 20' SHEET NO. OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	267-0101.3-B-R	COOK	120	54
CONTRACT NO.				62F95
ILLINOIS FED. AID PROJECT NHPP-XG101992				

THIS SHEET INTENTIONALLY BLANK

DATE PLOTTED = 8/15/2019 4:44:08 PM
 PEN TABLE = 0820755.tbl
 PLOT CONFIG = C:\VDDOTCAD\CAD\Plotting\ACQI_PDF.plt
 FILE NAME = N:\PROJ\0820755\01\Design\Lighting\0820755_01-ITS12.dgn



USER NAME = jvondra	DESIGNED - DTJ	REVISED -
	DRAWN - DTJ	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED - JMV	REVISED -
PLOT DATE = 8/15/2019	DATE - 8/12/2019	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**F.A.I. 94 (INTERSTATE 94) AT MONTROSE AVENUE
 ITS DETAILS**

SCALE: 1" = 20' SHEET NO. OF SHEETS STA. TO STA.

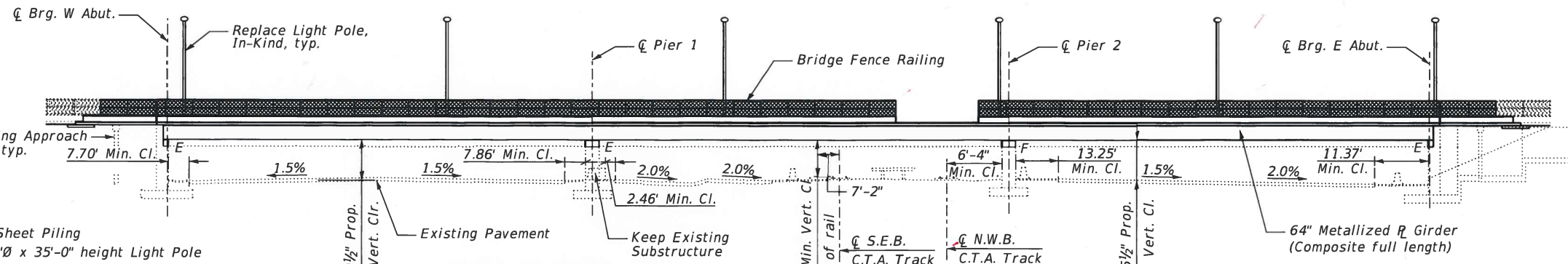
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	267-0101.3-B-R	COOK	120	55
CONTRACT NO.				62F95
ILLINOIS FED. AID PROJECT NHPP-XG101992				

Bench Mark: Fire hydrant at Northwest corner of Montrose Ave and Kostner Ave. North hydrant flange, Elev. 608.37.

Existing Structure: S.N. 016-0852 Built in 1957 as F.A. Interstate Route 2 Section 263-0101.3-15D; the structure was repaired in 1997. Structure consists of a three simple-span, post-tensioned cast-in-place Tee Beam. The substructure consists of full height closed abutments, wingwalls, and column piers all founded on spread footings. The deck is 81'-0" wide composed of 8'-6" wide sidewalks with pedestrian railing and fence, two travel ways separated by a 4'-0" wide median. 474'-8 7/8" Bk. to Bk. of abutments. The bridge is load posted at 10 ton/axle, 40 ton gross.

Traffic Control: Bridge to be closed to vehicular traffic with traffic detoured during construction. Construction staged to maintain pedestrian access to CTA. Construction of Pier 2 pier cap is adjacent to the NWB CTA Blue Line track. Construction activities require a modification to the normal operation of CTA service to facilitate access to perform work on or near the CTA Right-of-Way will be allowed with CTA Track Access Occurrences. See Special Provision for CTA Flagging and Coordination. SEB 1-94, SEB Reversibles, and NWB 1-94 will remain open during construction except for night time shoulder and/or lane closures when the existing Pier 1 and 2 are being removed and Pier 1 and 2 pier caps are being constructed.

No Salvage.



LEGEND

- Temporary Sheet Piling
- Existing 8 3/8"Ø x 35'-0" height Light Pole
- Station Direction
- Soil Borings

SCOPE OF WORK

1. Remove Existing Superstructure.
2. Remove and Replace Abutment Backwalls.
3. Repair Existing Substructure.
4. Construct Proposed Pier Cap.
5. Construct Proposed Superstructure.

ELEVATION

APPROVED

FOR STRUCTURAL ADEQUACY ONLY

Brett W. Sauter
ENGINEER OF BRIDGES AND STRUCTURES

DESIGN STRESSES

FIELD UNITS

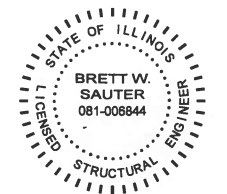
f'c = 3,500 psi
f'c = 4,000 psi (Superstructure Concrete)
fy = 60,000 psi (Reinforcement)
fy = 50,000 psi (M270 Grade 50)

EXISTING UNITS

f'c = 3,000 psi
fy = 40,000 psi

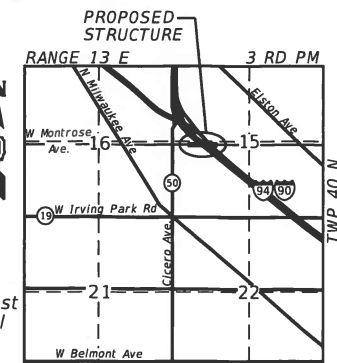
SCUPPER LOCATION

Station	Offset
20+90	30.00' LT.
21+55	30.00' RT.
22+00	30.00' LT.
22+00	30.00' RT.
22+70	30.00' LT.
22+70	30.00' RT.
23+55	30.00' LT.
23+55	30.00' RT.
25+20	30.00' LT.
25+80	30.00' RT.



DATE: 09/19/19
SEAL EXPIRES: 11/30/2020

Brett W. Sauter



LOCATION MAP

GENERAL PLAN AND ELEVATION
MONTROSE AVENUE OVER FAI 1-94

F.A.U. RTE. 1366 - SEC. 267-0101.3-B-R

COOK COUNTY

STATION 23+37.66

S.N. 016-0852

FILE NAME: N:\PROJ\020795.01\Design\Structural\CAD\0160852-20795-01_GPE.dgn



ENGINEERING CONSULTANT	USER NAME	DESIGNED	REVISIONS
CiorkaGroup	Structural	MLK	REVIS
		BS	REVIS
		SBA	REVIS
		BS	REVIS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SHEET NO. S-1 OF S-48 SHEETS

FAI RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	267-0101.3-B-R	COOK	120	56

CONTRACT NO. 62F95
ILL. NOS. | FED. AID PROJECT | NHP# XG1Q992

GENERAL NOTES

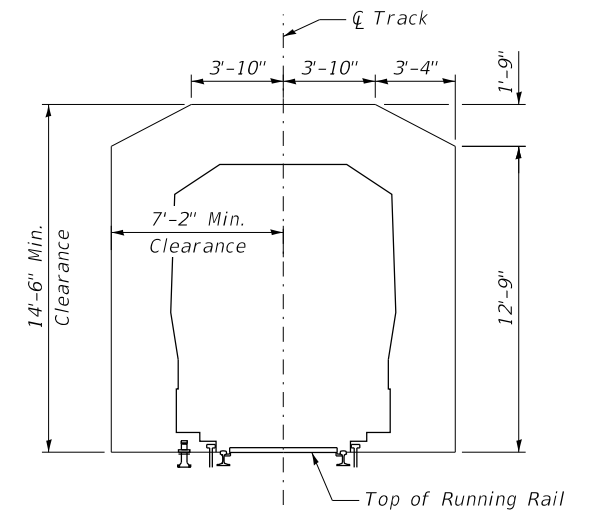
- Fasteners shall be ASTM F 3125 Grade A325 Type 1, mechanically galvanized bolts. Bolts 7/8" φ, holes 15/16" φ, unless otherwise noted.
 - Calculated weight of Structural Steel = 2,085,840 lbs (AASHTO M270 Grade 50).
 - All structural steel girders shall be metallized. All remaining structure steel shall be hot dip galvanized or metallized. Cost included in Furnishing and Erecting Structural Steel. See special provisions for Hot Dipped Galvanizing for Structural Steel or Metallizing of Structural Steel accordingly.
 - No field welding is permitted except as specified in the contract documents.
 - Reinforcement bars designated (E) shall be epoxy coated.
 - Plan dimension and details relative to existing plans are subject to nominal construction variation. 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 variation shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the additional quantity furnished at the unit price bid for the work.
 - If the Contractor elects to use cantilever forming brackets on the exterior beams or girders, the brackets shall be placed at the same locations as required for the hardwood blocks in Article 503.03(b) of the Standard Specifications. If additional cantilever forming brackets are required, hardwood blocking shall be wedged between the exterior and first interior beam at each of these additional bracket locations.
 - Bearing seat surfaces shall be constructed or adjusted to the designated elevations within a tolerance of 1/8 inch (0.01 ft.). Adjustment shall be made either by grinding the surface or by shimming the bearings.
 - Concrete Sealer shall be applied to the designated areas of the Pier, Abutments, and Crashwalls.
 - Slip forming of parapets will not be allowed.
 - The concrete for bridge decks finished according to Article 503.16(a) of the Standard Specification shall be placed and compacted parallel to the skew in uniform increments along centerline of bridge. The machine used for finishing shall be set parallel to the skew for striking off and screeding the concrete.
 - Excavation behind existing abutment backwalls shall be performed to balance front and back soil pressure before removing the existing superstructure. The Contractor shall sawcut the upper portion of the existing abutment backwall at the stage removal line before Stage I removal to ensure the remaining portion will not be prematurely damaged.
 - Light poles and luminaires mounted on existing structures shall be removed and delivered to CDOT. See Remove Existing Street Lighting Equipment (CDOT) special provision. Cost included with Remove Existing Street Lighting Equipment.
 - The Contractor shall retain the services of an engineering firm prequalified in the IDOT consultant selection category of Highway Bridges (Advanced Typical) for preparation of the Structural Assessment Report(s). Contractor's pre-approval shall not be applicable for this project. See Structural Assessment Report Special Provision.
 - The Contractor is advised that the existing structure contains members that are in deteriorated condition with reduced load carrying capacity. It is the Contractor's responsibility to account for the condition of the existing structure when developing construction procedures for the complete or partial removal, or replacement of the structure. An Existing Structure Information Package is available upon request as noted in the Bridge Demolition and Erection Special Provision.
- 16. CURRENT RATINGS ON FILE FOR EXISTING STRUCTURE**
 Inventory: HS-11.8
 Operating: HS-19.8
 Live Load Restrictions: Yes (40 Tons)
- Inventory and Operating Ratings and Live Load Restrictions are provided for information only. Inventory and Operating Ratings are based on HS loading and configuration. Live Load Restrictions are based on Illinois legal loads and configurations. The Ratings and Live Load Restrictions are not necessarily representative of capacities to support the Contractor's equipment.

INDEX OF SHEETS

- S-1 General Plan & Elevation
- S-2 General Data 1
- S-3 General Data 2
- S-4 Temporary Sheet Piling
- S-5 Existing Superstructure Removal Details 1
- S-6 Existing Superstructure Removal Details 2
- S-7 Construction Staging
- S-8 Suggested Erection Plan
- S-9 Top of Slab Elevations 1
- S-10 Top of Slab Elevations 2
- S-11 Top of Slab Elevations 3
- S-12 Top of Slab Elevations 4
- S-13 Top of Approach Slab Elevations 1
- S-14 Top of Approach Slab Elevations 2
- S-15 Superstructure Plan and Cross Section 1
- S-16 Superstructure Plan and Cross Section 2
- S-17 Parapet Elevations
- S-18 Parapet Details
- S-19 Superstructure Details 1
- S-20 Superstructure Details 2
- S-21 Drainage Scupper, DS-12
- S-22 Closed Drainage System
- S-23 Closed Drainage System at Abutments
- S-24 Bridge Approach Slab Details 1
- S-25 Bridge Approach Slab Details 2
- S-26 Bridge Fence Railing
- S-27 Preformed Joint Strip Seal
- S-28 Modular Expansion Joint
- S-29 Expansion Joint Details
- S-30 Framing Plan
- S-31 Structural Steel Details 1
- S-32 Structural Steel Details 2
- S-33 Design Data Table and Notes
- S-34 HLMR Guided Expansion Bearing Details
- S-35 HLMR Fixed Bearing Details
- S-36 West Abutment Removal and Repairs
- S-37 East Abutment Removal and Repairs
- S-38 West Abutment Backwall Details
- S-39 East Abutment Backwall Details
- S-40 Cheek Wall Details
- S-41 Backwall Details
- S-42 Pier 1 Removal and Repairs
- S-43 Pier 2 Removal and Repairs
- S-44 Pier 1 Crashwall Modifications
- S-45 Pier Cap Details 1
- S-46 Pier Cap Details 2
- S-47 Bar Splicer Assembly and Mechanical Splicer Details
- S-48 Soil Borings

STATION 23+37.66
 RE-BUILT 20 -- BY
 STATE OF ILLINOIS
 F.A.U. RT. 1366 SEC. 267-0101.3-B-R
 LOADING HL-93
 STR. NO. 016-0852

NAME PLATE
 See Std. 515001
 Proposed Name Plate shall be located next to the existing Name Plate.

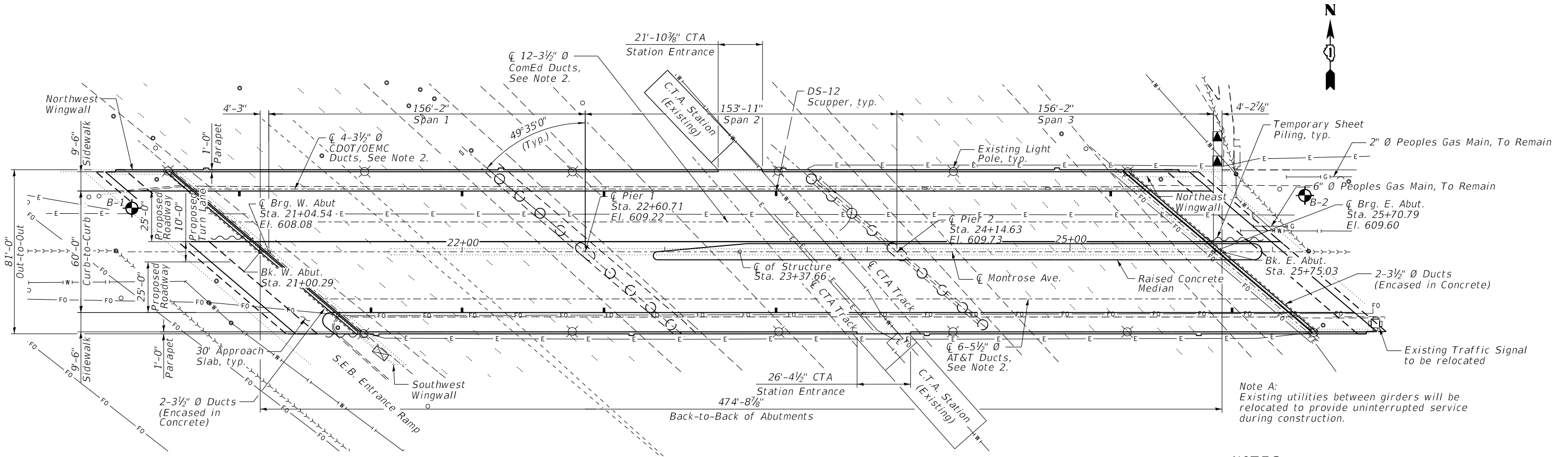


CTA TRAIN CLEARANCE DIAGRAM

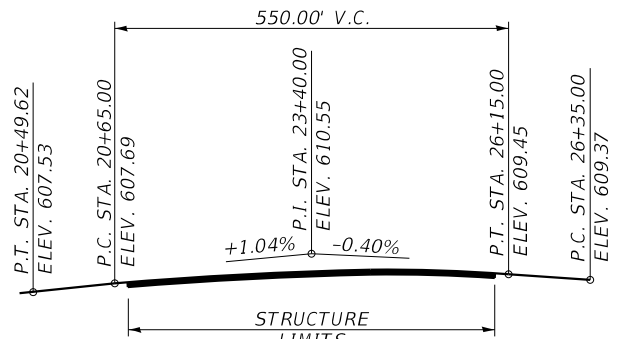
TOTAL BILL OF MATERIAL

DESCRIPTION	UNIT	SP	SUB	SUPER	TOTAL
Removal Of Existing Superstructures	Each			1	1
Concrete Removal	Cu Yd		173.7		173.7
Protective Shield	Sq Yd		4,719		4,719
Structure Excavation	Cu Yd		489		489
Concrete Structures	Cu Yd		434.2		434.2
Concrete Superstructure	Cu Yd			1,119.0	1,119.0
Protective Coat	Sq Yd			5,155	5,155
Concrete Superstructure (Approach Slab)	Cu Yd			235.2	235.2
Furnishing And Erecting Structural Steel	L Sum			1	1
Stud Shear Connectors	Each			11,430	11,430
Reinforcement Bars, Epoxy Coated	Pound		62,850	450,080	512,930
Bar Splicers	Each		304	2,073	2,377
Mechanical Splicers	Each		520		520
Bridge Fence Railing	Foot			982	982
Name Plates	Each			1	1
Preformed Joint Strip Seal	Foot			125	125
Anchor Bolts, 1"	Each			144	144
Temporary Sheet Piling	Sq Ft		361		361
Granular Backfill For Structures	Cu Yd		420		420
Concrete Sealer	Sq Ft		6,142		6,142
Geocomposite Wall Drain	Sq Yd		250		250
Protective Shield, Special	Sq Yd	Y	64		64
Bridge Deck Grooving (Longitudinal)	Sq Yd	Y		3,509	3,509
High Load Multi-Rotational Bearings, Guided Expansion, 300K	Each	Y		18	18
High Load Multi-Rotational Bearings, Guided Expansion, 750K	Each	Y		9	9
High Load Multi-Rotational Bearings, Fixed - 750K	Each	Y		9	9
Structural Repair Of Concrete (Depth Equal To Or Less Than 5 Inches)	Sq Ft	Y	920		920
Drainage Scuppers, DS-12	Each	Y		10	10
Drainage System	L Sum	Y		1	1
Holes Drilled	Each	Y	3		3
Diamond Grinding (Bridge Section)	Sq Yd	Y		2,902	2,902
Modular Expansion Joint 6"	Foot	Y		125	125
Pipe Underdrains For Structures 4"	Foot	Y	250		250

FILE NAME: N:\PROJ\020795-01\Design\Structural\CAD\0160852-20795-02-structnote.dgn

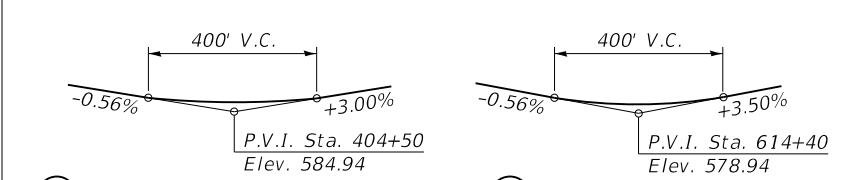


- NOTES:**
1. See Lighting Plans for additional information.
 2. Existing utilities between girders will be relocated to provide uninterrupted service during construction.



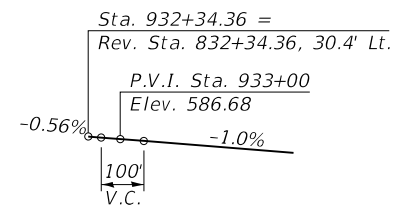
PROFILE GRADE
(at Montrose Ave)
The profile grade shows the final elevations after grinding.

- LEGEND**
- E — Existing Electrical
 - FO — Existing Underground Fiber Optics
 - G — Existing Underground Gas Line
 - S — Existing Underground Sanitary Sewer
 - W — Existing Underground Water Line
 - TSP — Temporary Sheet Piling
 - ⊗ Existing 8"Ø x 35'-0" height Light Pole
 - ⊙ Existing Manhole
 - ⊖ Existing Catch Basin
 - ⊞ Existing Inlet
 - ⊠ Existing Controller
 - ⊡ Existing Traffic Signal
 - ⊞ Existing Bridge-Mounted Ducts
 - ⊕ Soil Borings

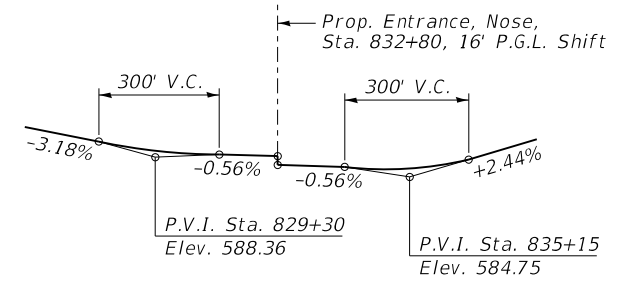


① **PROFILE GRADE EDENS &**
P.V.I. Sta. 404+50 Elev. 584.94

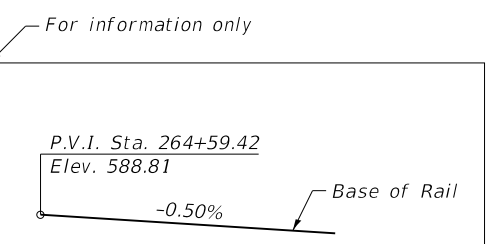
② **PROFILE GRADE S.E.B &**
P.V.I. Sta. 614+40 Elev. 578.94



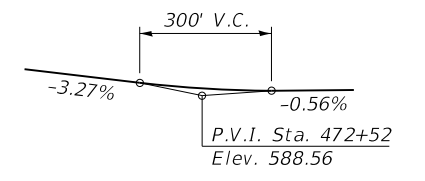
③ **PROFILE GRADE S.E.B KENNEDY TO REVERSIBLES**



④ **PROFILE GRADE REVERSIBLES**



⑤ & ⑥ **EXISTING PROFILE GRADE C.T.A. TRACKS (per 1967 plans)**



⑦ **PROFILE GRADE - N.W.B. &**

FILE NAME: N:\PROJ\020795-01\Design\Structural\CAD\0160852-20795-03-structnote.dgn

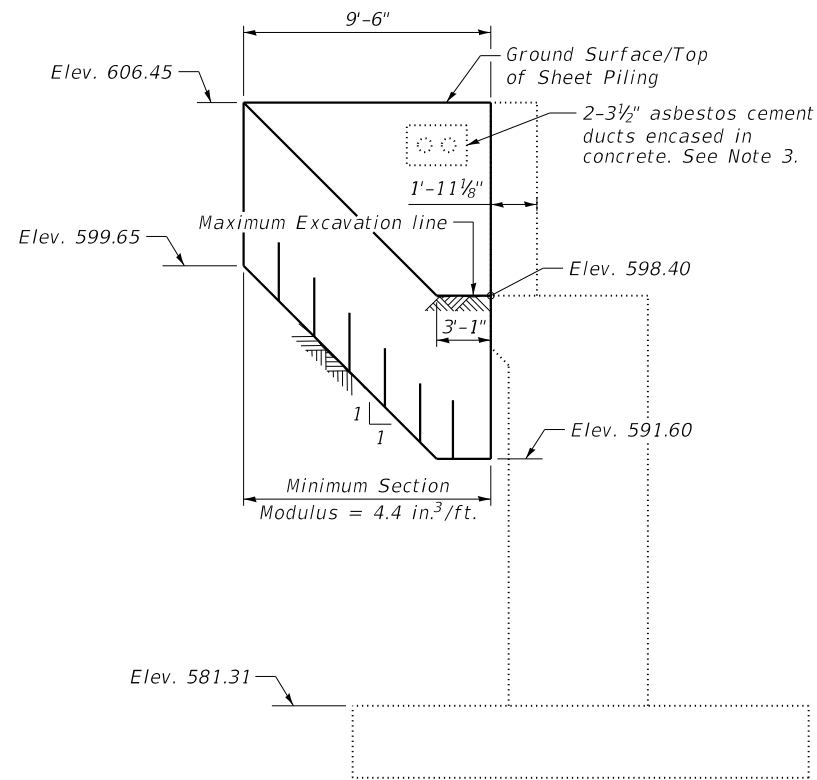
ENGINEERING CONSULTANT
CiorbaGroup
9725 W. Higgins Road, Suite 600 | Chicago, IL 60631
P 773.775.4009 | www.ciorba.com

USER NAME = kcsineros	DESIGNED - MLK	REVISED -
PLOT SCALE = 0:2,0000 "/ in.	CHECKED - BS	REVISED -
PLOT DATE = 8/15/2019	DRAWN - SBA	REVISED -
	CHECKED - BS	REVISED -

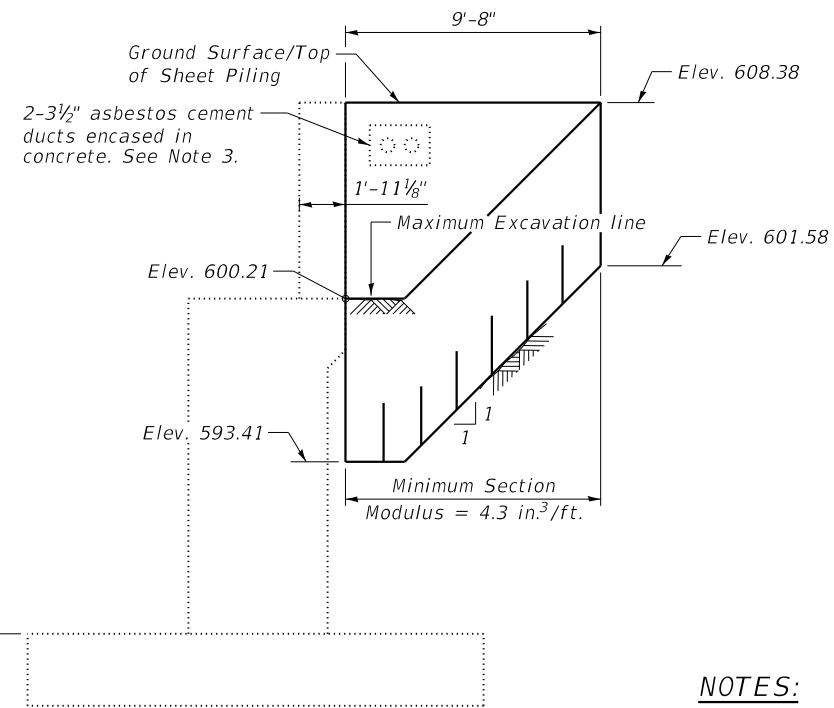
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL DATA 2
STRUCTURE NO. 016-0852
SHEET NO. S-3 OF S-48 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	267-0101.3-B-R	COOK	120	58
CONTRACT NO. 62F95				
ILLINOIS FED. AID PROJECT NHPX-G1Q(992)				



WEST ABUTMENT
(2 Locations)



EAST ABUTMENT

TEMPORARY SHEET PILING
(Dimensions shown parallel to \bar{C} Montrose Avenue)

NOTES:

1. If the CONTRACTOR chooses to alter the temporary cantilevered sheet piling design requirements shown on the plans, a design submittal including plan details and calculations will be required for review and acceptance by the Engineer.
2. The CONTRACTOR shall connect the first sheet pile(s) to the existing abutment wall to ensure stability of sheet pile(s) driven to the top of existing footing. This connection shall be reviewed and accepted by the Engineer and included in the cost for Temporary Sheet Piling.
3. 2-3 1/2" asbestos cement ducts encased in concrete will be replaced by the utility owner to provide uninterrupted service during construction unless otherwise coordinated with utility owner. Provisions will be made to accommodate replaced ducts into the proposed structure. See Removal of Asbestos Cement Conduit Special Provision.
4. See the Utility Plan on Sheet S-3 for existing utilities.

BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Temporary Sheet Piling	Sq. Ft.	361

FILE NAME: N:\PROJ\020795-01\Design\Structural\CAD\0160852-20795-04-tsp.dgn

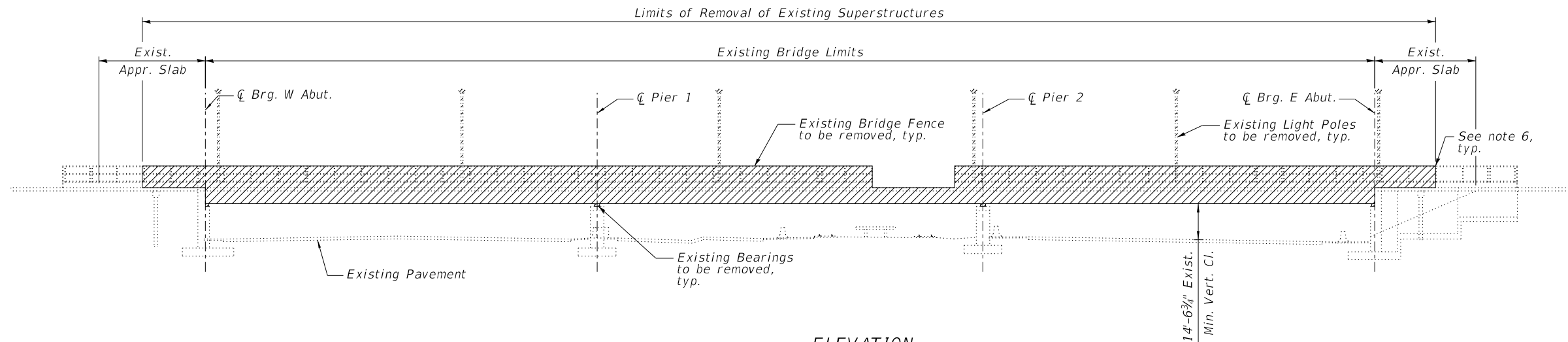
<p>0725 W. Higgins Road, Suite 500 Chicago, IL 60631 P 773.775.4009 www.ciorba.com</p>	ENGINEERING CONSULTANT	USER NAME = kcisneros	DESIGNED - MLK	REVISED -
			CHECKED - BS	REVISED -
	PLOT SCALE = 0:2,0000 " / in.		DRAWN - SBA	REVISED -
	PLOT DATE = 8/15/2019		CHECKED - BS	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

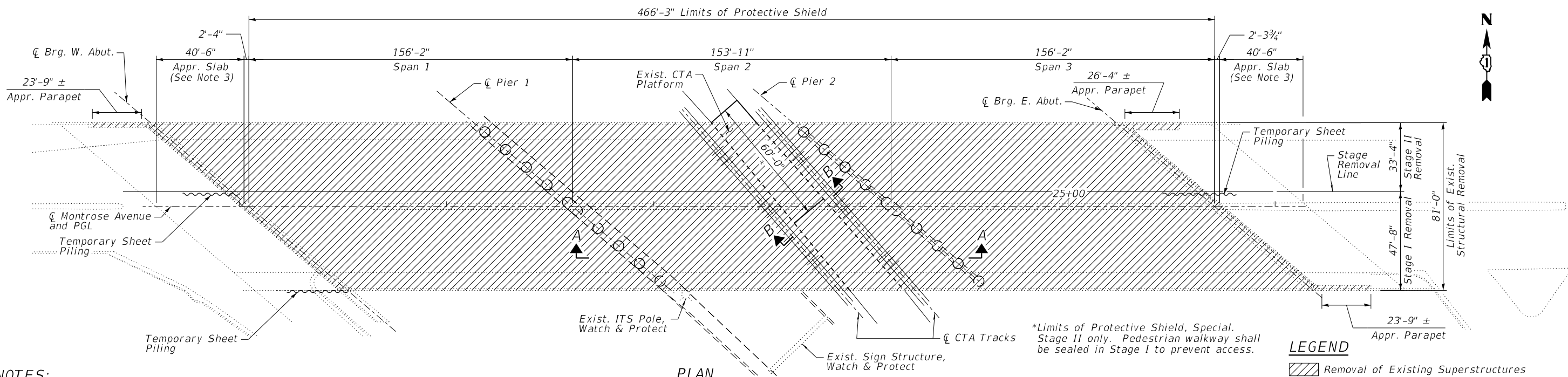
TEMPORARY SHEET PILING
STRUCTURE NO. 016-0852

SHEET NO. S-4 OF S-48 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	267-0101,3-B-R	COOK	120	59
CONTRACT NO. 62F95				
ILLINOIS FED. AID PROJECT NHPP-XG1Q(992)				



ELEVATION



PLAN

NOTES:

- Existing Utilities between girders will be relocated to provide uninterrupted service during construction (by others). Utilities to be incorporated into new structure (by others).
- The CONTRACTOR is responsible to protect the CTA tracks from falling objects and debris during removal of the existing structure.
- For existing approach slab, sidewalk, curb and gutter, and pavement removal quantities, see Roadway Plans.
- For Temporary Sheet Piling limits, see Sheet S-4.
- For existing pier and existing backwall Concrete Removal quantity, see Sheets S-36, S-37, S-42 and S-43.
- Remove existing Bridge Fence and Parapet to nearest parapet expansion joint beyond bridge omission. Bridge Fence Railing and Parapet removal cost included with Removal of Existing Superstructures.
- The CONTRACTOR is responsible to watch and protect sign structures and ITS poles adjacent to the bridge. Cost included with Removal of Existing Superstructures.
- Removal of Existing Superstructures shall be in accordance with Section 501 of the Standard Specifications. This item shall include complete removal of the concrete bridge rails, concrete deck, bearings, superstructure, and appurtenances within the Limits of Removal of Existing Superstructures. CONTRACTOR demolition plan shall be signed and sealed by an Illinois Structural Engineer.
- For Section A-A and Section B-B, see Sheet S-6.
- The CONTRACTOR is responsible to watch and protect CTA railing between the station and the end of bridge parapet. Cost included with Removal of Existing Superstructures.
- For approach bent removal see Roadway Plans.

*Limits of Protective Shield, Special. Stage II only. Pedestrian walkway shall be sealed in Stage I to prevent access.

LEGEND

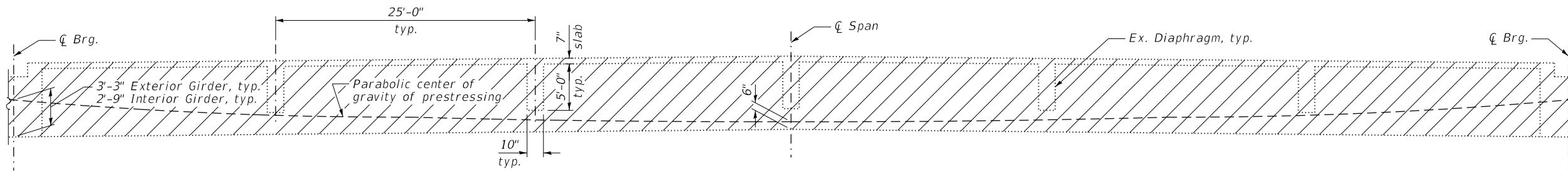
- Removal of Existing Superstructures
- Temporary Sheet Piling

BILL OF MATERIAL

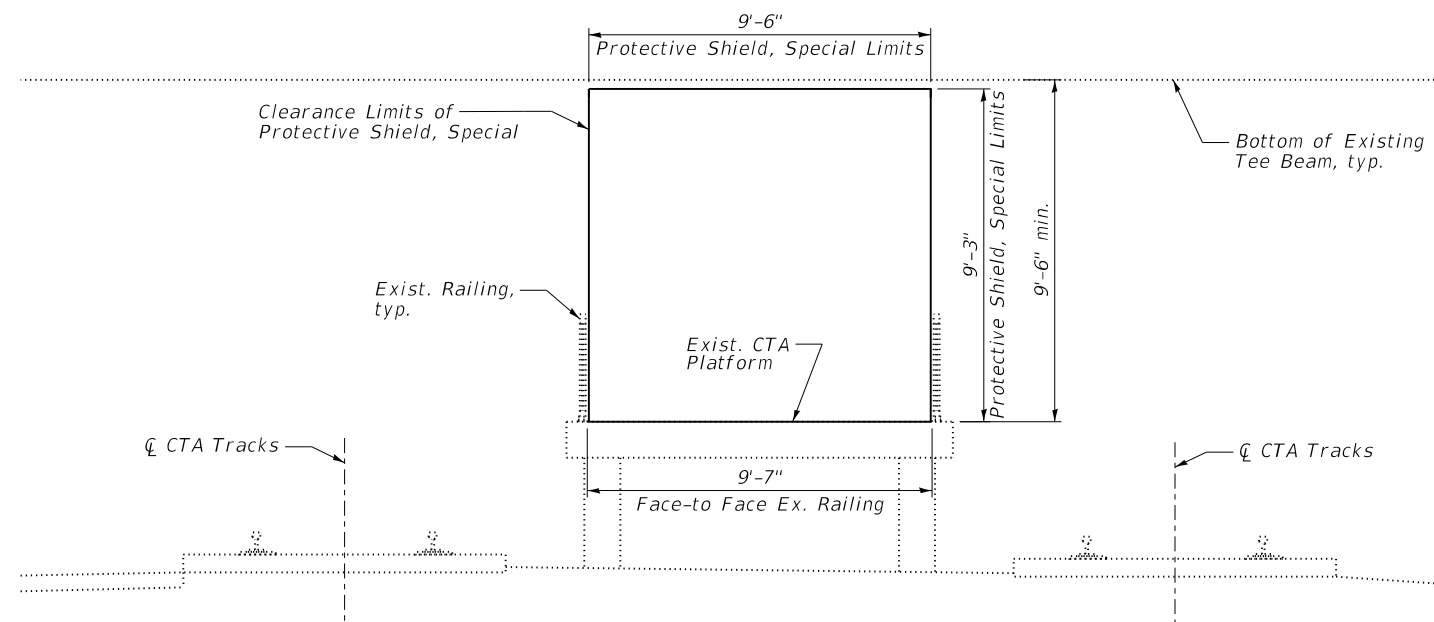
ITEM	UNIT	QUANTITY
Removal Of Existing Superstructures	Each	1
Protective Shield	Sq. Yd.	4,719
Protective Shield, Special	Sq. Yd.	64

FILE NAME: N:\PROJ\020795-01\Design\Structural\CAD\0160852-20795-05-structure_removal_1.dgn

<p>ENGINEERING CONSULTANT</p> <p>3125 W. Higgins Road, Suite 600 Chicago, IL 60631 P 773.775.4009 www.ciorba.com</p>	USER NAME = Structural DESIGNED - MLK CHECKED - BS PLOT SCALE = 0:2.0000 "/ in. DRAWN - SBA PLOT DATE = 09/17/19 CHECKED - BS REVISED -	DESIGNED - MLK CHECKED - BS REVISED - DRAWN - SBA CHECKED - BS REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING SUPERSTRUCTURE REMOVAL DETAILS 1 STRUCTURE NO. 016-0852	F.A.I. RTE. 94 SECTION 267-0101.3-B-R COUNTY COOK TOTAL SHEETS 120 SHEET NO. 60 CONTRACT NO. 62F95 SHEET NO. S-5 OF S-48 SHEETS ILLINOIS FED. AID PROJECT NHPP-XG1Q(992)
	09/17/19 2:19:03 PM				



SECTION A-A
(Span 2 shown, spans 1 and 3 similar)



SECTION B-B
(Looking North)

NOTES:

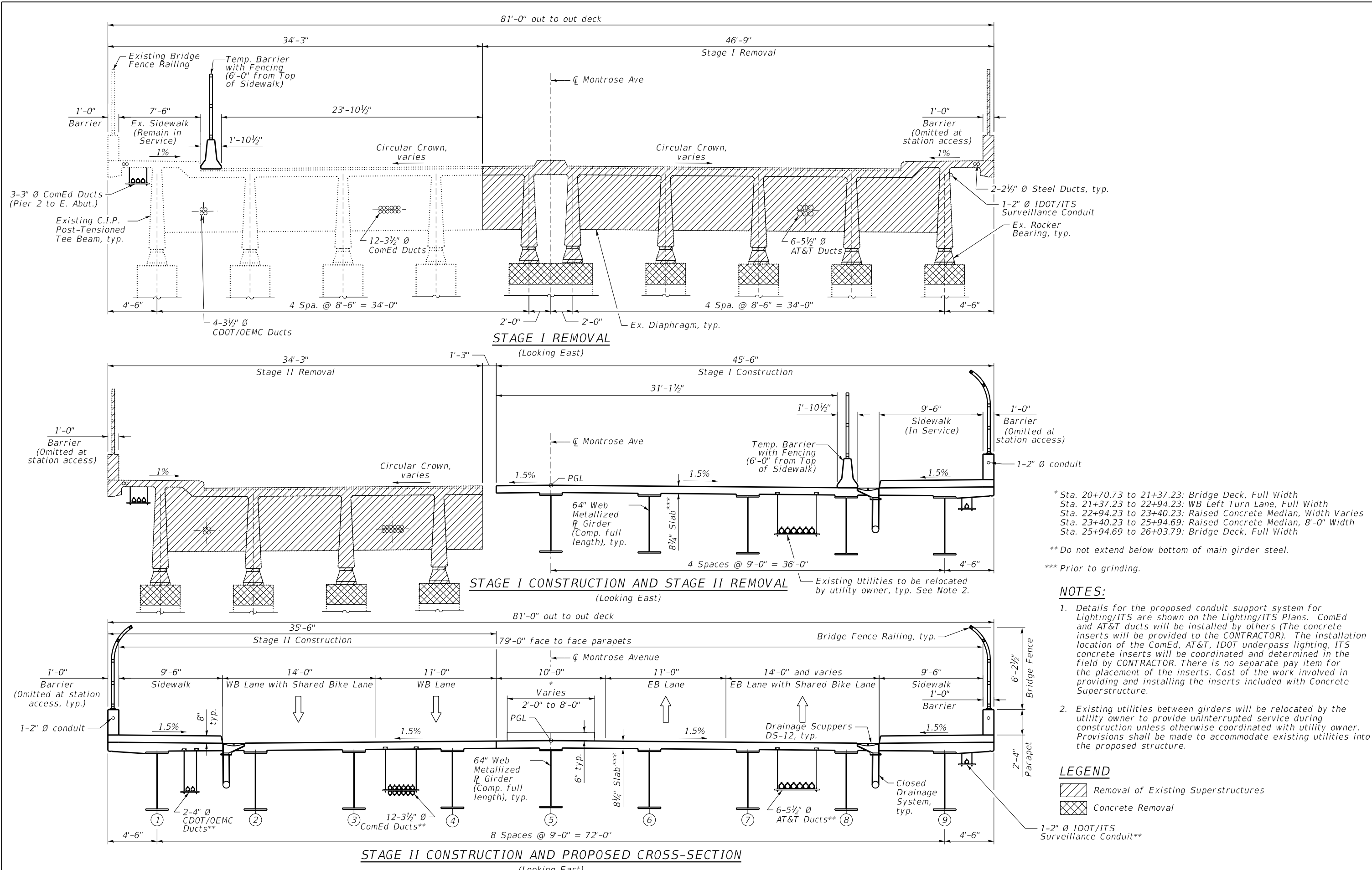
1. For Removal of Existing Superstructures removal notes see Sheet S-5.
2. Temporary barricades and passenger canopies shall be designed and constructed in compliance with City of Chicago code for their intended use condition, and per CTA requirements and criteria for passenger access to transit stations.
3. Temporary pedestrian canopies in construction areas shall be designed and constructed for a uniform live load of 200 psf. The design of overhead canopy systems shall be limited to a deflection of $\frac{1}{360}$ times the clear span for a concentrated construction load of 200 lbs applied anywhere on the canopy structure combined with the self-weight of the structure. Live load reductions per the Chicago Code are not permitted unless approved by CTA.
4. The CONTRACTOR shall design and submit shop drawings for all temporary support and facilities for CTA approval per Bridge Demolition and Erection and CTA Flagging and Coordination Special Provisions.
5. All barricade and plywood shall be fire retardant treated.

LEGEND

Removal of Existing Superstructures

FILE NAME: N:\PROJ\020795-01\Design\Structural\CAD\0160852-20795-06-structure_removal_2.dgn

<p>3125 W. Higgins Road, Suite 600 Chicago, IL 60631 P 773.775.4009 www.ciorba.com</p>	ENGINEERING CONSULTANT	USER NAME = Structural	DESIGNED - MLK	REVISED -	<p align="center">STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</p>	<p align="center">EXISTING SUPERSTRUCTURE REMOVAL DETAILS 2 STRUCTURE NO. 016-0852</p>	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 0:2.0000 " = 1" / in.	CHECKED - BS	REVISIONS -	94			267-0101.3-B-R	COOK	120	61	
PLOT DATE = 09/19/19	DRAWN - SBA	REVISIONS -	SHEET NO. S-6 OF S-48 SHEETS				CONTRACT NO. 62F95		ILLINOIS FED. AID PROJECT NHPX-G1Q(992)		



* Sta. 20+70.73 to 21+37.23: Bridge Deck, Full Width
 Sta. 21+37.23 to 22+94.23: WB Left Turn Lane, Full Width
 Sta. 22+94.23 to 23+40.23: Raised Concrete Median, Width Varies
 Sta. 23+40.23 to 25+94.69: Raised Concrete Median, 8'-0" Width
 Sta. 25+94.69 to 26+03.79: Bridge Deck, Full Width

** Do not extend below bottom of main girder steel.
 *** Prior to grinding.

- NOTES:**
- Details for the proposed conduit support system for Lighting/ITS are shown on the Lighting/ITS Plans. ComEd and AT&T ducts will be installed by others (The concrete inserts will be provided to the CONTRACTOR). The installation location of the ComEd, AT&T, IDOT underpass lighting, ITS concrete inserts will be coordinated and determined in the field by CONTRACTOR. There is no separate pay item for the placement of the inserts. Cost of the work involved in providing and installing the inserts included with Concrete Superstructure.
 - Existing utilities between girders will be relocated by the utility owner to provide uninterrupted service during construction unless otherwise coordinated with utility owner. Provisions shall be made to accommodate existing utilities into the proposed structure.

LEGEND

- Removal of Existing Superstructures
- Concrete Removal
- 1-2" Ø IDOT/ITS Surveillance Conduit**

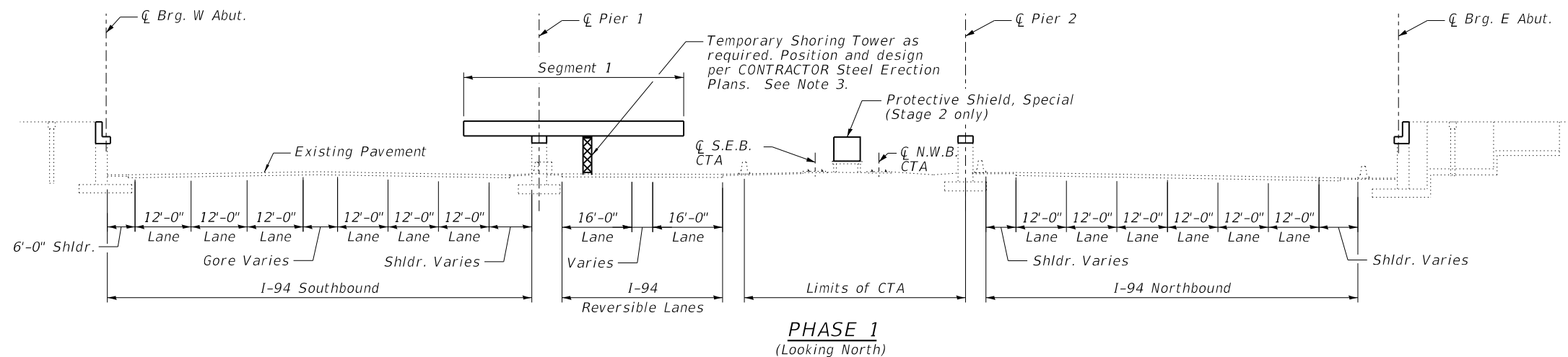
FILE NAME: N:\PROJ\020795-01\Design\Structural\CAD\0160852-20795-07-stageing.dgn

<p>ENGINEERING CONSULTANT</p> <p>3125 W. Higgins Road, Suite 600 Chicago, IL 60631 P 773.775.4009 www.ciorba.com</p>	USER NAME = Structural PLOT SCALE = 0:2.0000" = 1" / in. PLOT DATE = 09/19/19	DESIGNED - MLK CHECKED - BS DRAWN - SBA CHECKED - BS	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CONSTRUCTION STAGING STRUCTURE NO. 016-0852	F.A.I. RTE. 94 SECTION 267-0101.3-B-R COUNTY COOK TOTAL SHEETS 120 SHEET NO. 62 CONTRACT NO. 62F95	SHEET NO. S-7 OF S-48 SHEETS ILLINOIS FED. AID PROJECT NHPP-XG1Q(992)
--	---	---	--	---	--	---	--

STAGE 1 PHASING SEQUENCE

PHASE 1

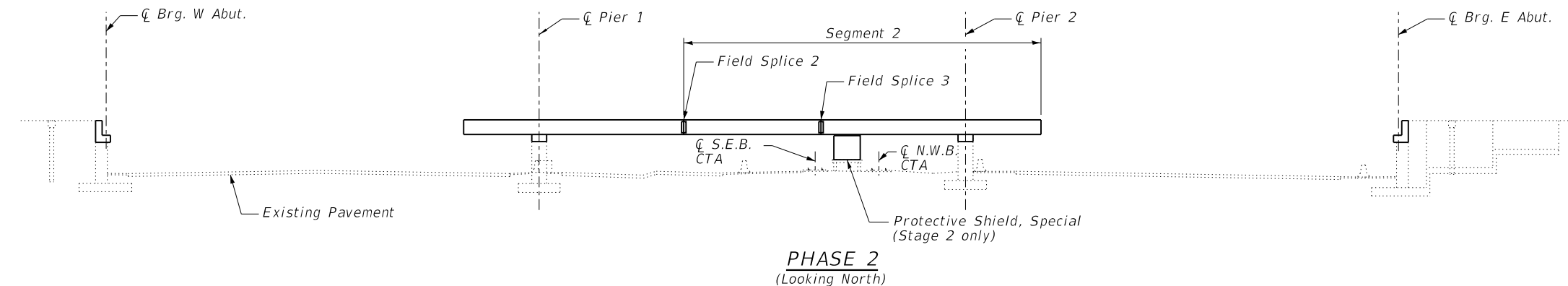
1. Construct West and East Abutment Backwall extensions, Cheekwalls and Reconstruct Wingwalls.
2. Construct Pier Column extensions and Pier Cap Beams.
3. Erect Segment 1 Girders over Pier 1. Provide adequate blocking for temporary condition.



PHASE 1
(Looking North)

PHASE 2

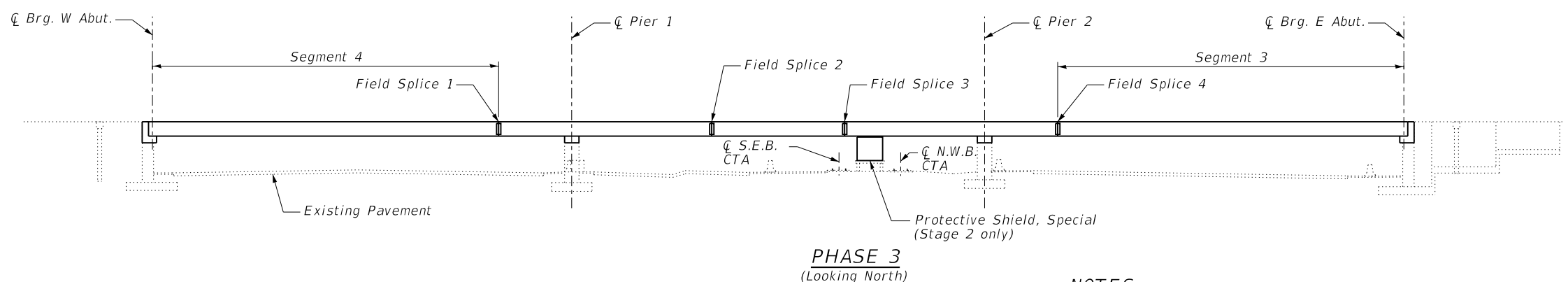
1. Bolt Field Splice 3 together on ground prior to additional segment erection.
2. Erect Segment 2 Girders in the remainder of Span 2 and over Pier 2.



PHASE 2
(Looking North)

PHASE 3

1. Erect Segment 3 and 4 Girders in Spans 3 and 1. See Note 3.
2. Prior to deck construction, a protective shield system shall be installed within the limits shown on sheet S-5.
3. Construct Deck and Approach Slabs.
4. Repeat Phasing Sequence for Stage 2.



PHASE 3
(Looking North)

NOTES:

1. The Erection Stages are presented only as a Conceptual Erection Procedure. The Procedure is provided for information only and does not relieve the CONTRACTOR of the requirement to submit a Steel Erection Plan Prepared and Sealed by a Licensed Structural ENGINEER in Illinois.
2. The CONTRACTOR must submit for Approval a Steel Erection Plan which shall detail the Proposed Methods and Procedures for Erection of the Structural Steel. Copies of the Erection Plan shall be sent to the ENGINEER and the Railroad for review and comment. These plans shall be received at least 60 days prior to the proposed beginning of Erection.
3. Lane closures shall follow the Keeping the Expressway Open to Traffic Special Provision.

FILE NAME: N:\PROJ\020795-01\Design\Structural\CADD\0160852-20795-08-erection.dgn

ENGINEERING CONSULTANT

 0725 W. Higgins Road, Suite 600 | Chicago, IL 60631
 P 773.775.4009 | www.ciorba.com

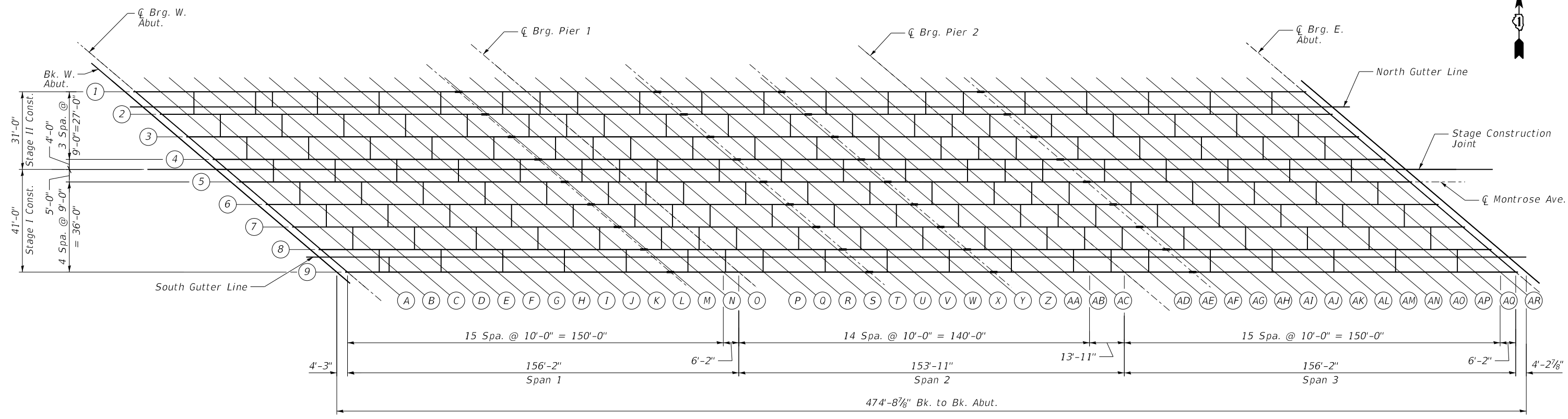
USER NAME =	kcisneros	DESIGNED -	MLK	REVISED -	
		CHECKED -	BS	REVISED -	
PLOT SCALE =	0:2,0000 " = 1" / in.	DRAWN -	SBA	REVISED -	
PLOT DATE =	8/15/2019	CHECKED -	BS	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUGGESTED ERECTION PLAN
STRUCTURE NO. 016-0852

SHEET NO. S-8 OF S-48 SHEETS

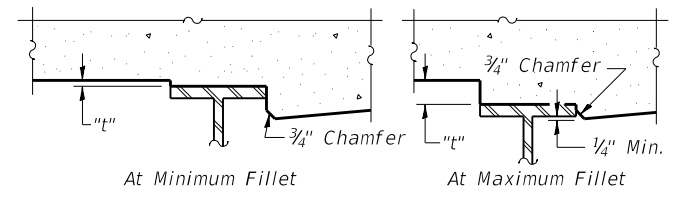
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	267-0101.3-B-R	COOK	120	63
CONTRACT NO. 62F95				
ILLINOIS FED. AID PROJECT NHPP-XG1Q(992)				



PLAN

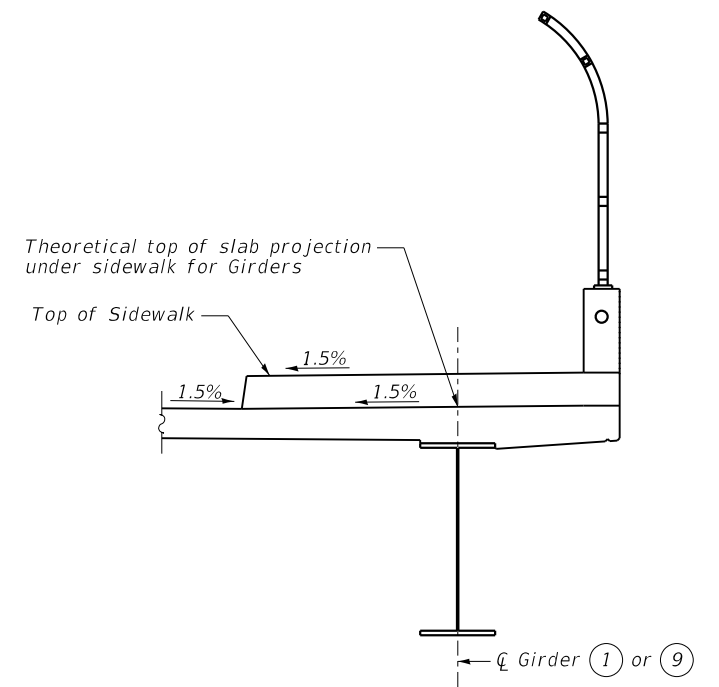
DEAD LOAD DEFLECTIONS

Girder Number	Span 1			Span 2			Span 3		
	A1	A2	A3	B1	B2	B3	C1	C2	C3
1	3"	3 3/4"	2 1/8"	-1/8"	1/4"	0"	1 7/8"	3 1/2"	2 7/8"
2	2 3/8"	2 7/8"	1 5/8"	-1/8"	0"	-1/4"	1 5/8"	2 7/8"	2 1/4"
3	2"	2 1/2"	1 3/8"	-1/4"	-1/4"	-1/4"	1 1/2"	2 1/2"	2"
4	1 3/4"	2 1/4"	1 1/4"	-1/4"	-1/4"	-3/8"	1 3/8"	2 3/8"	1 7/8"
5	1 3/4"	2 1/4"	1 1/4"	-3/8"	-3/8"	-3/8"	1 3/8"	2 3/8"	1 7/8"
6	1 3/4"	2 1/4"	1 3/8"	-3/8"	-3/8"	-3/8"	1 3/8"	2 3/8"	1 7/8"
7	1 7/8"	2 1/2"	1 1/2"	-3/8"	-1/4"	-1/4"	1 1/2"	2 1/2"	2"
8	2 1/4"	2 7/8"	1 5/8"	-1/4"	-1/8"	-1/4"	1 5/8"	3"	2 3/8"
9	2 7/8"	3 1/2"	1 7/8"	0"	1/4"	-1/8"	2 1/8"	3 3/4"	3"

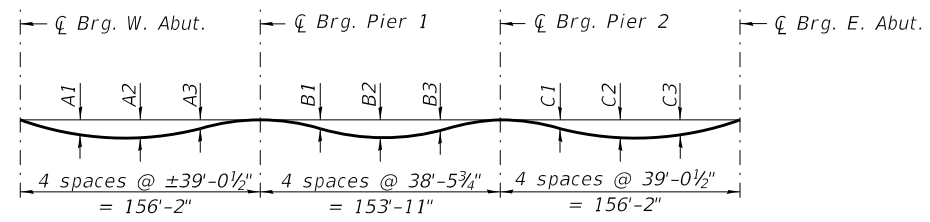


To determine "t": After all structural steel has been erected, elevations of the top flanges of the beams shall be taken at intervals shown above. These elevations subtracted from the "Theoretical Grade Elevations Adjusted for Dead Load Deflection" shown on sheets S-10 thru S-12, minus slab thickness, equals the fillet heights "t" above top flange of beams.

FILLET HEIGHTS



PROJECTION UNDER SIDEWALK
(Typ. both sides)



DEAD LOAD DEFLECTION DIAGRAM

(Includes weight of concrete deck, sidewalk, parapet and railing)

NOTES:

- The above deflections are not to be used in the field if the engineer is working from the grade elevations adjusted for dead load deflections as shown on sheets S-10 thru S-12.
- Elevations shown on Sheets S-10 thru S-12 are at the top of the bridge deck.

FILE NAME: N:\PROJ\020795-01\Design\Structural\CAD\0160852-20795-09-deckElev1.dgn

ENGINEERING CONSULTANT

 9125 W. Higgins Road, Suite 600 | Chicago, IL 60631
 P 773.775.4009 | www.ciorba.com

USER NAME = kcisneros	DESIGNED - MLK	REVISOR -
PLOT SCALE = 0:2,0000 "/ in.	CHECKED - BS	REVISIONS -
PLOT DATE = 8/15/2019	DRAWN - SBA	REVISIONS -
	CHECKED - BS	REVISIONS -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TOP OF SLAB ELEVATIONS 1
STRUCTURE NO. 016-0852

SHEET NO. S-9 OF S-48 SHEETS

F.A.I. RTE. 94	SECTION 267-0101.3-B-R	COUNTY COOK	TOTAL SHEETS 120	SHEET NO. 64
CONTRACT NO. 62F95				
ILLINOIS FED. AID PROJECT NHPP-XG1Q(992)				

GIRDER 1

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection and Grinding
Bk. W. Abut.	20+58.03	-36.00	607.26	607.26
Brg. W. Abut.	20+62.27	-36.00	607.30	607.30
A	20+72.27	-36.00	607.40	607.47
B	20+82.27	-36.00	607.51	607.63
C	20+92.27	-36.00	607.60	607.78
D	21+02.27	-36.00	607.70	607.92
E	21+12.27	-36.00	607.79	608.05
F	21+22.27	-36.00	607.88	608.16
G	21+32.27	-36.00	607.97	608.25
H	21+42.27	-36.00	608.06	608.33
I	21+52.27	-36.00	608.14	608.39
J	21+62.27	-36.00	608.22	608.44
K	21+72.27	-36.00	608.29	608.48
L	21+82.27	-36.00	608.37	608.51
M	21+92.27	-36.00	608.44	608.54
N	22+02.27	-36.00	608.51	608.56
O	22+12.27	-36.00	608.58	608.60
Pier 1	22+18.44	-36.00	608.62	608.62
P	22+28.44	-36.00	608.68	608.66
Q	22+38.44	-36.00	608.74	608.72
R	22+48.44	-36.00	608.80	608.77
S	22+58.44	-36.00	608.85	608.83
T	22+68.44	-36.00	608.90	608.88
U	22+78.44	-36.00	608.95	608.94
V	22+88.44	-36.00	609.00	608.99
W	22+98.44	-36.00	609.04	609.03
X	23+08.44	-36.00	609.09	609.07
Y	23+18.44	-36.00	609.12	609.11
Z	23+28.44	-36.00	609.16	609.14
AA	23+38.44	-36.00	609.19	609.17
AB	23+48.44	-36.00	609.23	609.20
AC	23+58.44	-36.00	609.25	609.23
Pier 2	23+72.36	-36.00	609.29	609.29
AD	23+82.36	-36.00	609.31	609.34
AE	23+92.36	-36.00	609.33	609.40
AF	24+02.36	-36.00	609.35	609.46
AG	24+12.36	-36.00	609.36	609.52
AH	24+22.36	-36.00	609.37	609.57
AI	24+32.36	-36.00	609.38	609.62
AJ	24+42.36	-36.00	609.39	609.65
AK	24+52.36	-36.00	609.39	609.67
AL	24+62.36	-36.00	609.40	609.67
AM	24+72.36	-36.00	609.39	609.66
AN	24+82.36	-36.00	609.39	609.64
AO	24+92.36	-36.00	609.38	609.59
AP	25+02.36	-36.00	609.37	609.53
AQ	25+12.36	-36.00	609.36	609.47
AR	25+22.36	-36.00	609.35	609.39
Brg. E. Abut.	25+28.52	-36.00	609.34	609.34
Bk. E. Abut.	25+32.75	-36.00	609.33	609.33

NORTH GUTTER LINE

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection and Grinding
Bk. W. Abut.	20+65.07	-30.00	607.24	607.26
Brg. W. Abut.	20+69.31	-30.00	607.28	607.31
A	20+79.31	-30.00	607.39	607.44
B	20+89.31	-30.00	607.49	607.57
C	20+99.31	-30.00	607.58	607.69
D	21+09.31	-30.00	607.68	607.81
E	21+19.31	-30.00	607.77	607.91
F	21+29.31	-30.00	607.85	608.01
G	21+39.31	-30.00	607.94	608.10
H	21+49.31	-30.00	608.02	608.18
I	21+59.31	-30.00	608.10	608.25
J	21+69.31	-30.00	608.18	608.31
K	21+79.31	-30.00	608.26	608.37
L	21+89.31	-30.00	608.33	608.42
M	21+99.31	-30.00	608.40	608.47
N	22+09.31	-30.00	608.47	608.52
O	22+19.31	-30.00	608.53	608.56
Pier 1	22+25.48	-30.00	608.57	608.59
P	22+35.48	-30.00	608.63	608.65
Q	22+45.48	-30.00	608.69	608.70
R	22+55.48	-30.00	608.75	608.75
S	22+65.48	-30.00	608.80	608.81
T	22+75.48	-30.00	608.85	608.86
U	22+85.48	-30.00	608.90	608.91
V	22+95.48	-30.00	608.94	608.96
W	23+05.48	-30.00	608.98	609.00
X	23+15.48	-30.00	609.02	609.04
Y	23+25.48	-30.00	609.06	609.07
Z	23+35.48	-30.00	609.10	609.10
AA	23+45.48	-30.00	609.13	609.14
AB	23+55.48	-30.00	609.16	609.16
AC	23+65.48	-30.00	609.18	609.19
Pier 2	23+79.40	-30.00	609.22	609.24
AD	23+89.40	-30.00	609.24	609.27
AE	23+99.40	-30.00	609.25	609.31
AF	24+09.40	-30.00	609.27	609.35
AG	24+19.40	-30.00	609.28	609.38
AH	24+29.40	-30.00	609.29	609.41
AI	24+39.40	-30.00	609.30	609.44
AJ	24+49.40	-30.00	609.30	609.45
AK	24+59.40	-30.00	609.31	609.46
AL	24+69.40	-30.00	609.30	609.46
AM	24+79.40	-30.00	609.30	609.46
AN	24+89.40	-30.00	609.30	609.44
AO	24+99.40	-30.00	609.29	609.41
AP	25+09.40	-30.00	609.28	609.38
AQ	25+19.40	-30.00	609.26	609.34
AR	25+29.40	-30.00	609.25	609.29
Brg. E. Abut.	25+35.56	-30.00	609.24	609.26
Bk. E. Abut.	25+39.80	-30.00	609.23	609.25

GIRDER 2

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection and Grinding
Bk. W. Abut.	20+68.59	-27.00	607.32	607.34
Brg. W. Abut.	20+72.83	-27.00	607.37	607.39
A	20+82.83	-27.00	607.47	607.52
B	20+92.83	-27.00	607.56	607.65
C	21+02.83	-27.00	607.66	607.77
D	21+12.83	-27.00	607.75	607.88
E	21+22.83	-27.00	607.84	607.99
F	21+32.83	-27.00	607.93	608.09
G	21+42.83	-27.00	608.02	608.17
H	21+52.83	-27.00	608.10	608.25
I	21+62.83	-27.00	608.18	608.32
J	21+72.83	-27.00	608.25	608.38
K	21+82.83	-27.00	608.33	608.44
L	21+92.83	-27.00	608.40	608.49
M	22+02.83	-27.00	608.47	608.54
N	22+12.83	-27.00	608.54	608.58
O	22+22.83	-27.00	608.60	608.63
Pier 1	22+29.00	-27.00	608.64	608.66
P	22+39.00	-27.00	608.70	608.71
Q	22+49.00	-27.00	608.76	608.76
R	22+59.00	-27.00	608.81	608.82
S	22+69.00	-27.00	608.86	608.87
T	22+79.00	-27.00	608.91	608.92
U	22+89.00	-27.00	608.96	608.97
V	22+99.00	-27.00	609.00	609.02
W	23+09.00	-27.00	609.04	609.06
X	23+19.00	-27.00	609.08	609.10
Y	23+29.00	-27.00	609.12	609.13
Z	23+39.00	-27.00	609.15	609.16
AA	23+49.00	-27.00	609.18	609.19
AB	23+59.00	-27.00	609.21	609.22
AC	23+69.00	-27.00	609.24	609.25
Pier 2	23+82.92	-27.00	609.27	609.29
AD	23+92.92	-27.00	609.29	609.32
AE	24+02.92	-27.00	609.30	609.36
AF	24+12.92	-27.00	609.32	609.40
AG	24+22.92	-27.00	609.33	609.43
AH	24+32.92	-27.00	609.34	609.46
AI	24+42.92	-27.00	609.35	609.48
AJ	24+52.92	-27.00	609.35	609.50
AK	24+62.92	-27.00	609.35	609.51
AL	24+72.92	-27.00	609.35	609.51
AM	24+82.92	-27.00	609.34	609.50
AN	24+92.92	-27.00	609.34	609.48
AO	25+02.92	-27.00	609.33	609.45
AP	25+12.92	-27.00	609.32	609.42
AQ	25+22.92	-27.00	609.30	609.38
AR	25+32.92	-27.00	609.29	609.33
Brg. E. Abut.	25+39.08	-27.00	609.27	609.29
Bk. E. Abut.	25+43.32	-27.00	609.26	609.29

GIRDER 3

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection and Grinding
Bk. W. Abut.	20+79.16	-18.00	607.56	607.59
Brg. W. Abut.	20+83.40	-18.00	607.61	607.63
A	20+93.40	-18.00	607.70	607.76
B	21+03.40	-18.00	607.80	607.88
C	21+13.40	-18.00	607.89	608.00
D	21+23.40	-18.00	607.98	608.11
E	21+33.40	-18.00	608.07	608.22
F	21+43.40	-18.00	608.15	608.31
G	21+53.40	-18.00	608.24	608.40
H	21+63.40	-18.00	608.32	608.47
I	21+73.40	-18.00	608.39	608.54
J	21+83.40	-18.00	608.47	608.60
K	21+93.40	-18.00	608.54	608.65
L	22+03.40	-18.00	608.61	608.70
M	22+13.40	-18.00	608.68	608.74
N	22+23.40	-18.00	608.74	608.79
O	22+33.40	-18.00	608.80	608.83
Pier 1	22+39.57	-18.00	608.84	608.86
P	22+49.57	-18.00	608.89	608.91
Q	22+59.57	-18.00	608.95	608.96
R	22+69.57	-18.00	609.00	609.01
S	22+79.57	-18.00	609.05	609.06
T	22+89.57	-18.00	609.10	609.11
U	22+99.57	-18.00	609.14	609.15
V	23+09.57	-18.00	609.18	609.19
W	23+19.57	-18.00	609.22	609.23
X	23+29.57	-18.00	609.26	609.27
Y	23+39.57	-18.00	609.29	609.30
Z	23+49.57	-18.00	609.32	609.33
AA	23+59.57	-18.00	609.35	609.36
AB	23+69.57	-18.00	609.37	609.38
AC	23+79.57	-18.00	609.40	609.41
Pier 2	23+93.49	-18.00	609.42	609.44
AD	24+03.49	-18.00	609.44	609.48
AE	24+13.49	-18.00	609.45	609.51
AF	24+23.49	-18.00	609.47	609.54
AG	24+33.49	-18.00	609.47	609.57
AH	24+43.49	-18.00	609.48	609.60
AI	24+53.49	-18.00	609.48	609.62
AJ	24+63.49	-18.00	609.49	609.64
AK	24+73.49	-18.00	609.48	609.64
AL	24+83.49	-18.00	609.48	609.64
AM	24+93.49	-18.00	609.47	609.63
AN	25+03.49	-18.00	609.46	609.61
AO	25+13.49	-18.00	609.45	609.57
AP	25+23.49	-18.00	609.44	609.54
AQ	25+33.49	-18.00	609.42	609.49
AR	25+43.49	-18.00	609.40	609.44
Brg. E. Abut.	25+49.65	-18.00	609.39	609.41
Bk. E. Abut.	25+53.89	-18.00	609.38	609.40

FILE NAME: N:\PROJ\020795-01\Design\Structural\CAD\0160852-20795-1-10-deckElev2.dgn

ENGINEERING CONSULTANT

 9125 W. Higgins Road, Suite 600 | Chicago, IL 60631
 P 773.775.4009 | www.ciorba.com

USER NAME =	kcisneros	DESIGNED -	MLK	REVISED -	
PLOT SCALE =	0:2.0000 " / in.	CHECKED -	BS	REVISED -	
PLOT DATE =	8/15/2019	DRAWN -	SBA	REVISED -	
		CHECKED -	BS	REVISED -	

**STATE OF ILLINOIS
DEPARTMENT**

GIRDER 4

Table with 5 columns: Location, Station, Offset, Theoretical Grade Elevations, Theoretical Grade Elevations Adjusted For Dead Load Deflection and Grinding. Rows include Bk. W. Abut., Brg. W. Abut., A through Z, AA through AR, Pier 1, Pier 2, Brg. E. Abut., Bk. E. Abut.

STAGE CONSTRUCTION LINE

Table with 5 columns: Location, Station, Offset, Theoretical Grade Elevations, Theoretical Grade Elevations Adjusted For Dead Load Deflection and Grinding. Rows include Bk. W. Abut., Brg. W. Abut., A through Z, AA through AR, Pier 1, Pier 2, Brg. E. Abut., Bk. E. Abut.

CL PGL MONTROSE AVENUE, & GIRDER 5

Table with 5 columns: Location, Station, Offset, Theoretical Grade Elevations, Theoretical Grade Elevations Adjusted For Dead Load Deflection and Grinding. Rows include Bk. W. Abut., Brg. W. Abut., A through Z, AA through AR, Pier 1, Pier 2, Brg. E. Abut., Bk. E. Abut.

GIRDER 6

Table with 5 columns: Location, Station, Offset, Theoretical Grade Elevations, Theoretical Grade Elevations Adjusted For Dead Load Deflection and Grinding. Rows include Bk. W. Abut., Brg. W. Abut., A through Z, AA through AR, Pier 1, Pier 2, Brg. E. Abut., Bk. E. Abut.

FILE NAME: N:\PROJ\020795-01\Design\Structural\CAD\0160852-20795-1-1-deckElev3.dgn

ENGINEERING CONSULTANT logo for CiorbaGroup with address: 9725 W. Higgins Road, Suite 600 | Chicago, IL 60631

Metadata table with columns: USER NAME, DESIGNED, CHECKED, PLOT SCALE, PLOT DATE, REVISED, DRAWN, CHECKED.

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

TOP OF SLAB ELEVATIONS 3 STRUCTURE NO. 016-0852 SHEET NO. S-11 OF S-48 SHEETS

Summary table with columns: F.A.I. RTE., SECTION, COUNTY, TOTAL SHEETS, SHEET NO., CONTRACT NO.

GIRDER 7

Table with 5 columns: Location, Station, Offset, Theoretical Grade Elevations, Theoretical Grade Elevations Adjusted For Dead Load Deflection and Grinding. Rows include Bk. W. Abut., Brg. W. Abut., A through Z, AA through AR, Pier 1, Pier 2, Brg. E. Abut., Bk. E. Abut.

GIRDER 8

Table with 5 columns: Location, Station, Offset, Theoretical Grade Elevations, Theoretical Grade Elevations Adjusted For Dead Load Deflection and Grinding. Rows include Bk. W. Abut., Brg. W. Abut., A through Z, AA through AR, Pier 1, Pier 2, Brg. E. Abut., Bk. E. Abut.

SOUTH GUTTER LINE

Table with 5 columns: Location, Station, Offset, Theoretical Grade Elevations, Theoretical Grade Elevations Adjusted For Dead Load Deflection and Grinding. Rows include Bk. W. Abut., Brg. W. Abut., A through Z, AA through AR, Pier 1, Pier 2, Brg. E. Abut., Bk. E. Abut.

GIRDER 9

Table with 5 columns: Location, Station, Offset, Theoretical Grade Elevations, Theoretical Grade Elevations Adjusted For Dead Load Deflection and Grinding. Rows include Bk. W. Abut., Brg. W. Abut., A through Z, AA through AR, Pier 1, Pier 2, Brg. E. Abut., Bk. E. Abut.

FILE NAME: N:\PROJ\020795-01\Design\Structural\CAD\0160852-20795-12-deckElev4.dgn

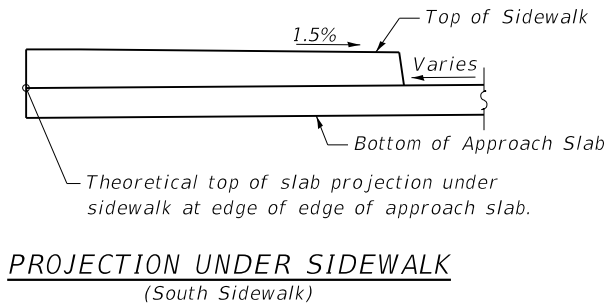
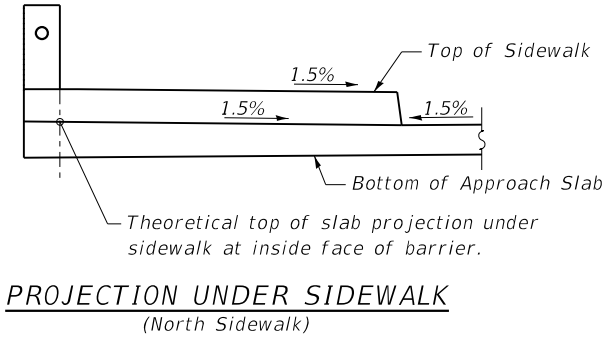
ENGINEERING CONSULTANT CiorbaGroup 9725 W. Higgins Road, Suite 600 | Chicago, IL 60631 P 773.775.4009 | www.ciorba.com

Table with 4 columns: USER NAME = kcisneros, DESIGNED - MLK, CHECKED - BS, PLOT SCALE = 0:2.0000 "/ in., DRAWN - SBA, PLOT DATE = 8/15/2019, CHECKED - BS, REVISED -

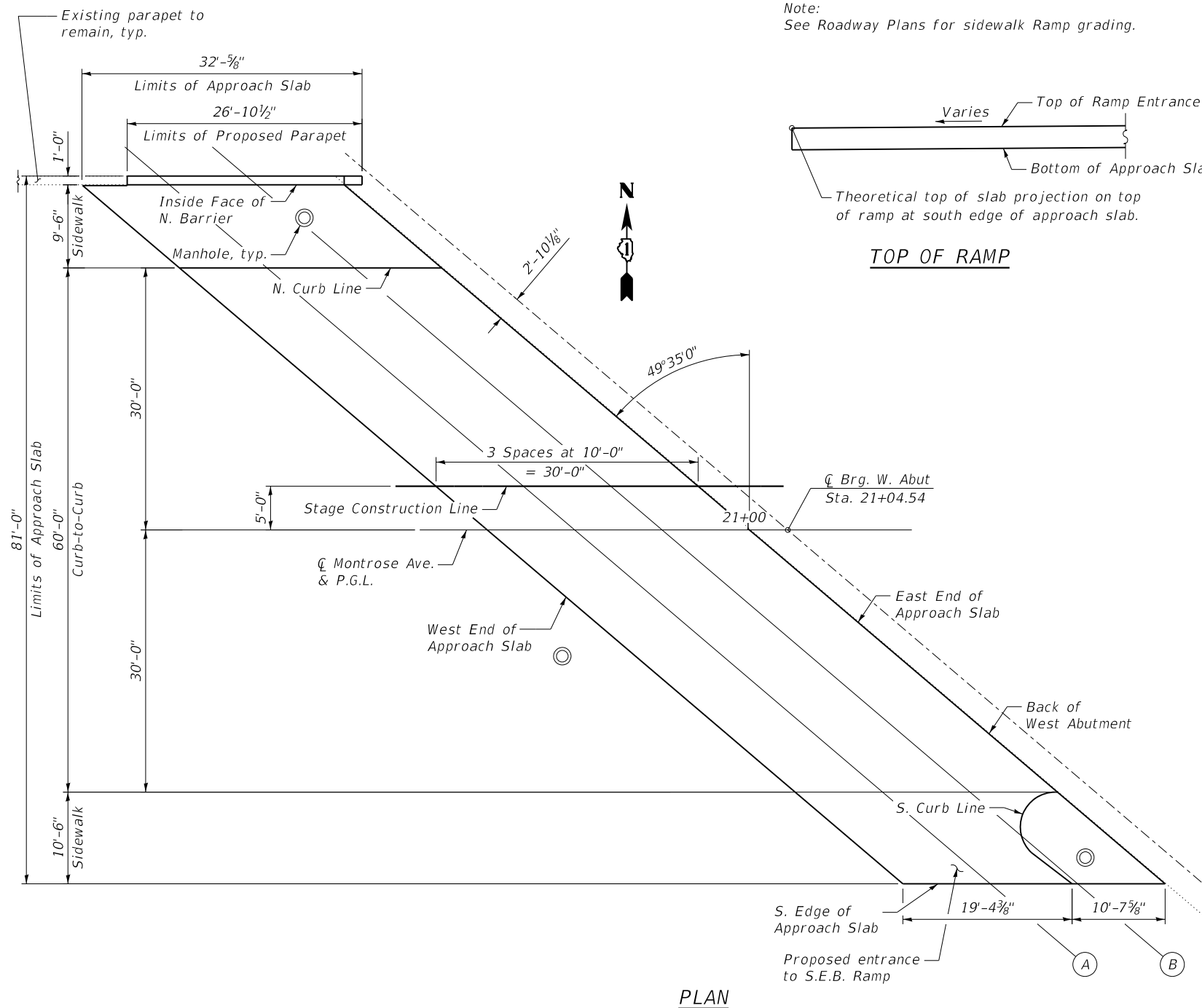
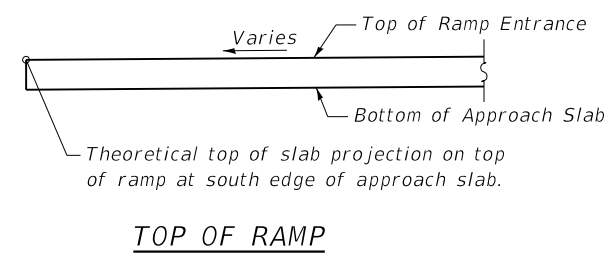
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

TOP OF SLAB ELEVATIONS 4 STRUCTURE NO. 016-0852 SHEET NO. S-12 OF S-48 SHEETS

Table with 5 columns: F.A.I. RTE., SECTION, COUNTY, TOTAL SHEETS, SHEET NO. Values: 94, 267-0101,3-B-R, COOK, 120, 67. CONTRACT NO. 62F95 ILLINOIS FED. AID PROJECT NHPP-XG1Q(992)



Note:
See Roadway Plans for sidewalk Ramp grading.



INSIDE FACE OF N. BARRIER

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Grinding
W. End of W. App. Slab	20+23.78	-39.50	606.95	606.97
A	20+33.78	-39.50	607.06	607.08
B	20+43.78	-39.50	607.16	607.18
E. End of W. App. Slab	20+53.78	-39.50	607.27	607.29

NORTH CURB LINE

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Grinding
W. End of W. App. Slab	20+34.93	-30.00	606.93	606.95
A	20+44.93	-30.00	607.03	607.05
B	20+54.93	-30.00	607.14	607.16
E. End of W. App. Slab	20+64.93	-30.00	607.24	607.26

STAGE CONSTRUCTION LINE

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Grinding
W. End of W. App. Slab	20+64.29	-5.00	607.61	607.63
A	20+74.29	-5.00	607.71	607.73
B	20+84.29	-5.00	607.81	607.83
E. End of W. App. Slab	20+94.29	-5.00	607.91	607.93

PGL & CL MONTROSE AVENUE

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Grinding
W. End of W. App. Slab	20+70.16	0.00	607.74	607.76
A	20+80.16	0.00	607.84	607.87
B	20+90.16	0.00	607.94	607.96
E. End of W. App. Slab	21+00.16	0.00	608.04	608.06

SOUTH CURB LINE

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Grinding
W. End of W. App. Slab	-	-	-	-
A	-	-	-	-
B	21+31.29	35.02	607.80	607.82
E. End of W. App. Slab	21+35.39	30.00	607.91	607.93

S. EDGE OF APPROACH SLAB

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Grinding
W. End of W. App. Slab	21+17.72	40.50	607.59	607.47*
A	21+27.72	40.50	607.68	607.52*
B	21+37.72	40.50	607.77	607.62
E. End of W. App. Slab	21+47.72	40.50	607.85	607.87

*Verify with existing and match in field.

FILE NAME: N:\PROJ\020795-01\Design\Structural\CAD\0160852-20795-13-topSlab_1.dgn

ENGINEERING CONSULTANT
CiorbaGroup
9725 W. Higgins Road, Suite 600 | Chicago, IL 60631
P 773.775.4009 | www.ciorba.com

USER NAME =	kcisneros	DESIGNED -	MLK	REVISED -	
		CHECKED -	BS	REVISED -	
PLOT SCALE =	0:2,0000 "/ in.	DRAWN -	SBA	REVISED -	
PLOT DATE =	8/15/2019	CHECKED -	BS	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TOP OF APPROACH SLAB ELEVATIONS 1
STRUCTURE NO. 016-0852
SHEET NO. S-13 OF S-48 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	267-0101,3-B-R	COOK	120	68
CONTRACT NO. 62F95				
ILLINOIS FED. AID PROJECT NHPP-XG1Q(992)				

INSIDE FACE OF NORTH BARRIER

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Grinding
W. End of E. App. Slab	25+28.77	-39.50	609.39	609.41
C	25+38.77	-39.50	609.37	609.39
D	25+48.77	-39.50	609.35	609.37
E. End of E. App. Slab	25+58.77	-39.50	609.33	609.35

NORTH CURB LINE

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Grinding
W. End of E. App. Slab	25+39.93	-30.00	609.23	609.25
C	25+49.93	-30.00	609.20	609.23
D	25+59.93	-30.00	609.18	609.20
E. End of E. App. Slab	25+69.93	-30.00	609.15	609.17

STAGE CONSTRUCTION LINE

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Grinding
W. End of E. App. Slab	25+69.29	-5.00	609.53	609.55
C	25+79.29	-5.00	609.50	609.52
D	25+89.29	-5.00	609.47	609.49
E. End of E. App. Slab	25+99.29	-5.00	609.43	609.46

PGL & CL MONTROSE AVENUE

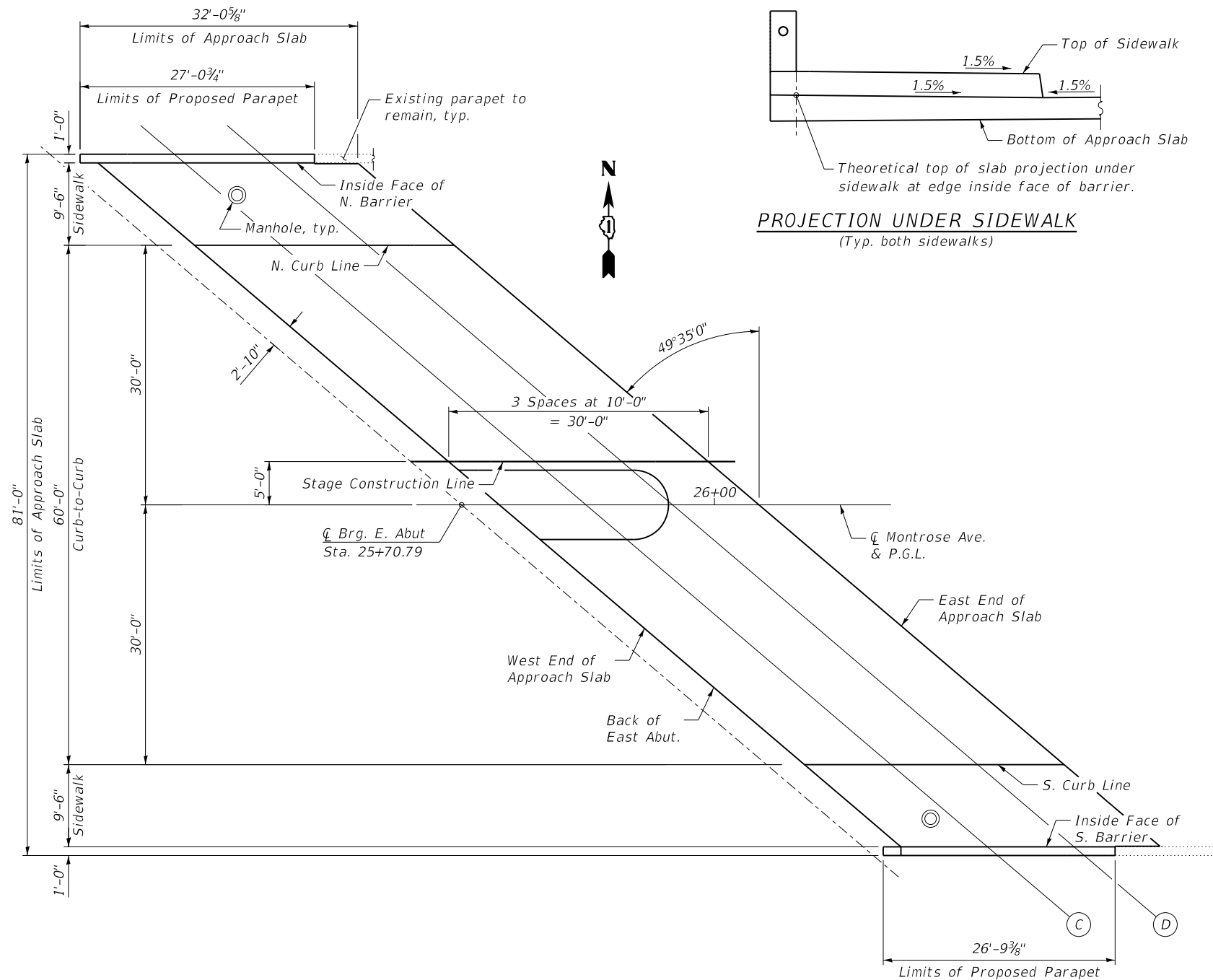
Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Grinding
W. End of E. App. Slab	25+75.16	0.00	609.59	609.61
C	25+85.16	0.00	609.56	609.58
D	25+95.16	0.00	609.52	609.55
E. End of E. App. Slab	26+05.16	0.00	609.49	609.51

SOUTH CURB LINE

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Grinding
W. End of E. App. Slab	26+10.39	30.00	609.02	609.04
C	26+20.39	30.00	608.98	609.00
D	26+30.39	30.00	608.94	608.96
E. End of E. App. Slab	26+40.39	30.00	608.90	608.92

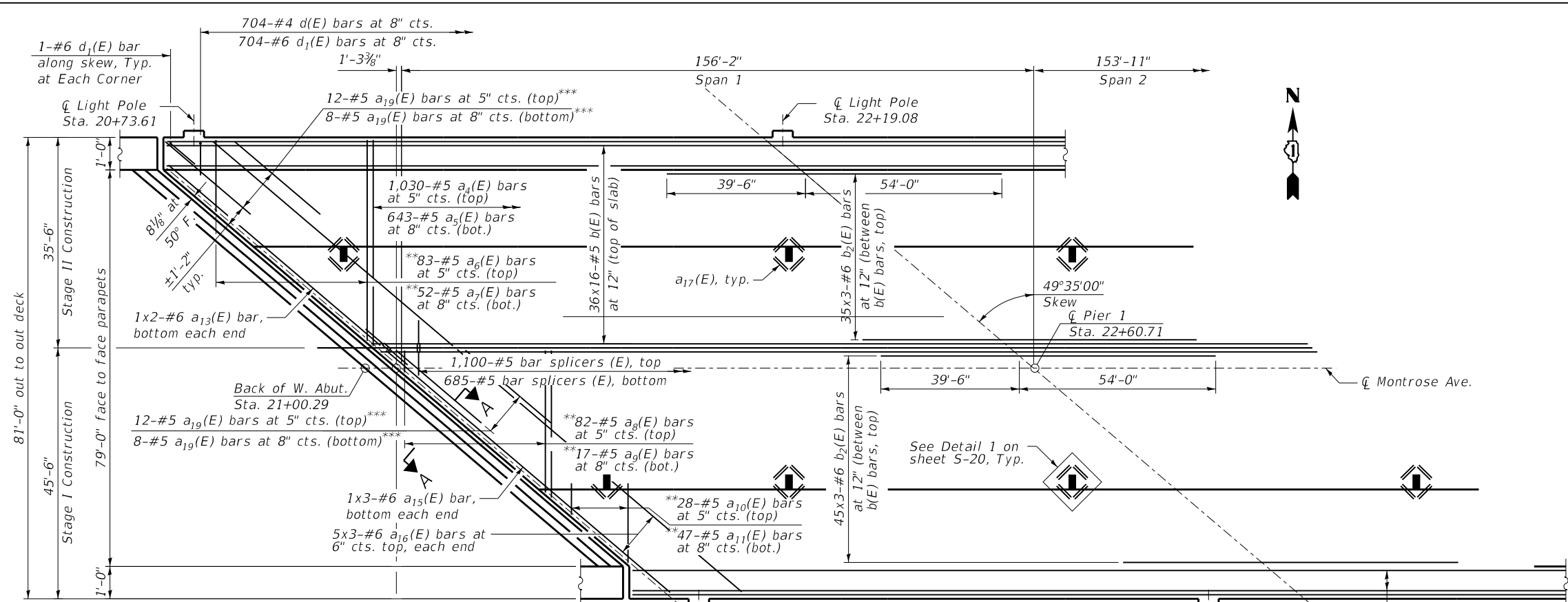
INSIDE FACE OF SOUTH BARRIER

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Grinding
W. End of E. App. Slab	26+21.54	39.50	609.12	609.14
C	26+31.54	39.50	609.08	609.10
D	26+41.54	39.50	609.04	609.06
E. End of E. App. Slab	26+51.54	39.50	609.00	609.02



FILE NAME: N:\PROJ\020795-01\Design\Structural\CAD\0160852-20795-14-topSlab_2.dgn

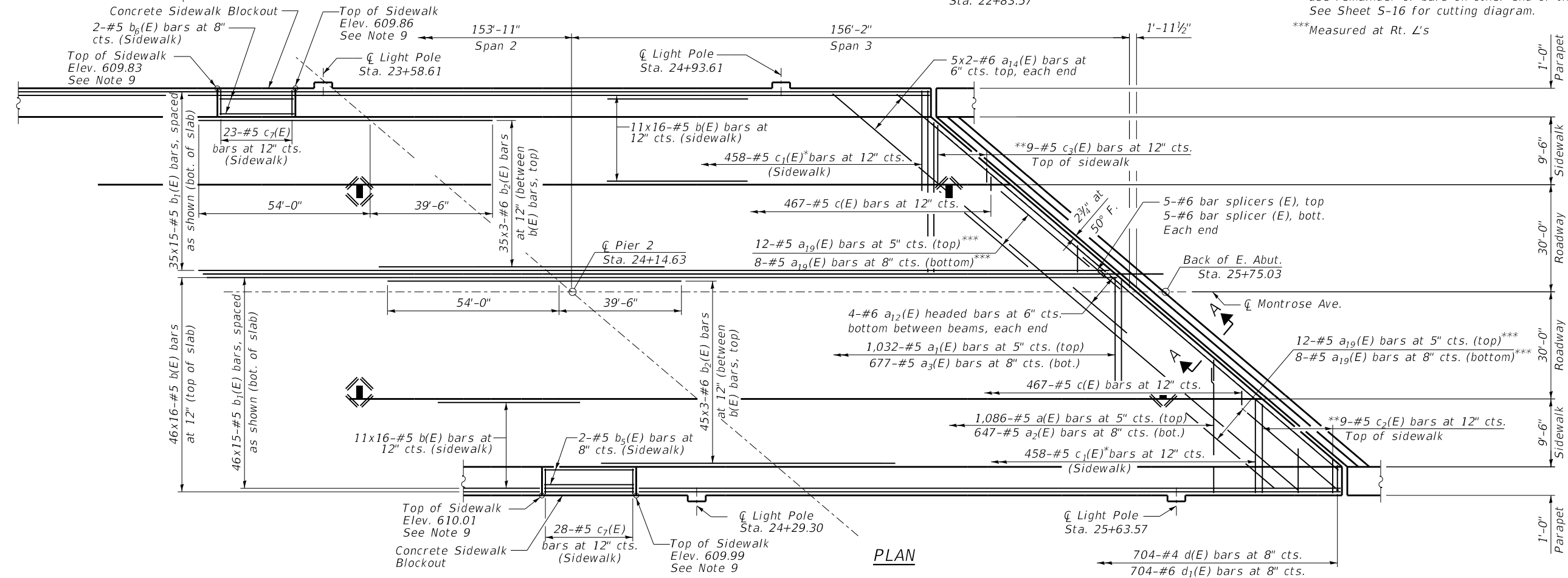
<p>0725 W. Higgins Road, Suite 500 Chicago, IL 60631 P 773.775.4009 www.ciorba.com</p>	USER NAME = kcisneros PLOT SCALE = 0:2,0000 "/>	DESIGNED - MLK CHECKED - BS DRAWN - SBA CHECKED - BS	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TOP OF APPROACH SLAB ELEVATIONS 2 STRUCTURE NO. 016-0852	F.A.I. RTE. 94 SECTION 267-0101,3-B-R COUNTY COOK TOTAL SHEETS 120 SHEET NO. 69	CONTRACT NO. 62F95 ILLINOIS FED. AID PROJECT NHPX-G1Q(992)
	PLOT DATE = 8/15/2019	SHEET NO. S-14 OF S-48 SHEETS					



PLAN

- NOTES:**
1. For approach slab details, see Sheet S-24 and S-25.
 2. For reinforced details of light poles, see Sheet S-18.
 3. Bars indicated thus: 45x3-#5 etc. indicates 45 lines of bars with 3 lengths per line.
 4. See Sheet S-19 for Section A-A.
 5. Parapet reinforcement not shown for clarity, see Sheet S-17 for details.
 6. Minimum Lap Lengths:
3'-6" for #5 bars
4'-0" for #6 bars
 7. See sheet S-20 for Superstructure Bill of Material.
 8. Median not shown for clarity. For median dimensions and details see Sheet S-16.
 9. Cast-in-place sidewalk at CTA Station Entrance shall be graded up or down to match existing station platform elevations. ADA criteria shall be maintained in areas where grading modifications are performed. Contractor to field verify elevations.
 10. Dimensions are based on a Rolled Rail Strip Seal Joint. If the contractor elects to use the Welded Roll Strip Seal Joint, bridge deck dimensions may require adjustments.
 11. Dimensions are based on a Modular Expansion Joint with dimensions as shown on S-28. If the contractor elects to use dimensions different than shown on plans, bridge deck dimensions may require adjustments.
 12. For Concrete Sidewalk Blockout Detail, see sheet S-20.

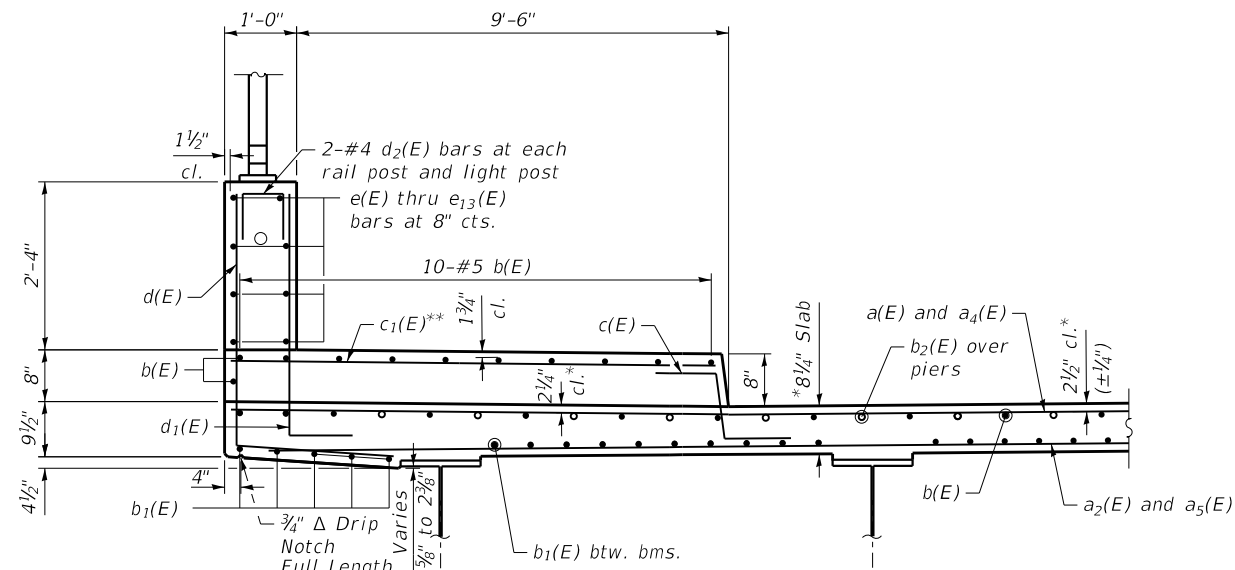
*Cut to fit at CTA Entrance
 **Order $a_6(E)$, $a_7(E)$, $a_8(E)$, $a_9(E)$, $a_{10}(E)$, $a_{11}(E)$, $c_2(E)$, and $c_3(E)$ bars full length. Cut to fit skew and use remainder of bars on other end of the same side. See Sheet S-16 for cutting diagram.
 ***Measured at Rt. L's



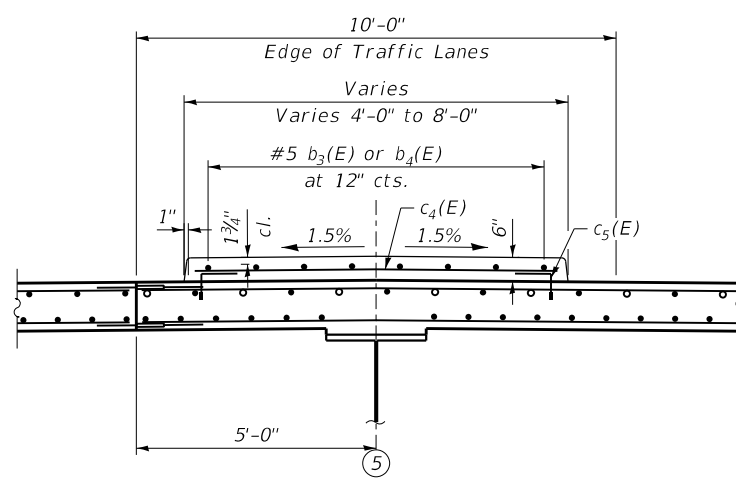
PLAN

FILE NAME: N:\PROJ\020795-01\Design\Structural\CAD\0160852-20795-15-deck1.dgn

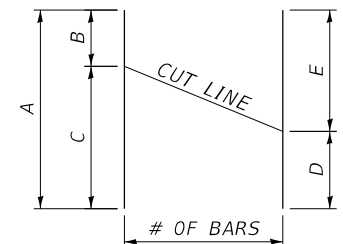
<p>ENGINEERING CONSULTANT</p> <p>0125 W. Higgins Road, Suite 500 Chicago, IL 60631 P 773.775.4009 www.ciorba.com</p>	USER NAME = kcsneros PLOT SCALE = 0:2,0000 "/>	DESIGNED - MLK CHECKED - BS DRAWN - SBA CHECKED - BS	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUPERSTRUCTURE PLAN AND CROSS SECTION 1 STRUCTURE NO. 016-0852	F.A.I. RTE. = 94 SECTION = 267-0101.3-B-R COUNTY = COOK TOTAL SHEETS = 120 SHEET NO. = 70	CONTRACT NO. 62F95 <small>ILLINOIS FED. AID PROJECT NHPX-G10(992)</small>
	PLOT DATE = 8/15/2019	SHEET NO. S-15 OF S-48 SHEETS					



SECTION THRU SIDEWALK *Prior to Grinding
**Cut to fit at CTA Entrance

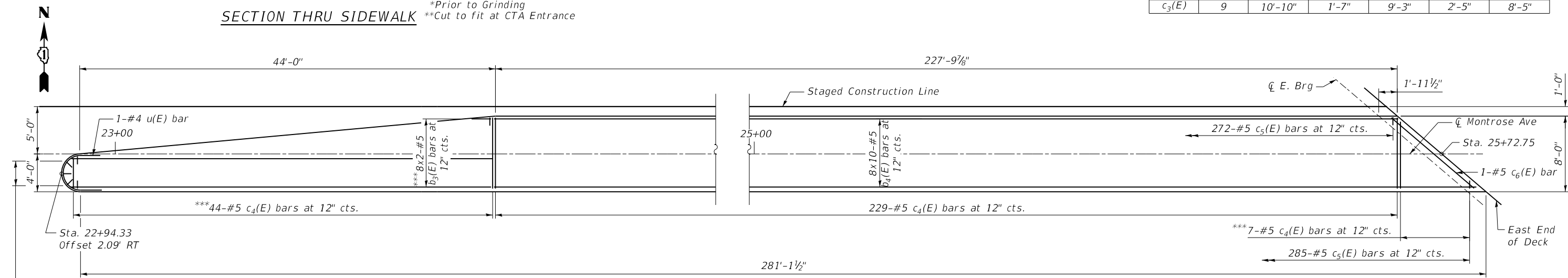


SECTION THRU MEDIAN



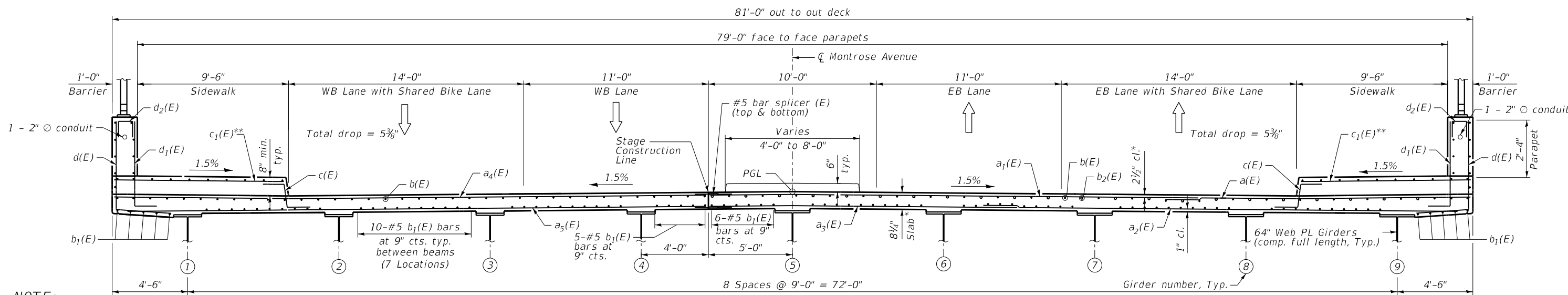
FIELD CUTTING DIAGRAM
ORDER BARS FULL LENGTH. CUT TO FIT AS SHOWN AND PLACE WHERE CALLED OUT IN DETAILS

FIELD CUTTING DIAGRAM TABLE						
BAR	NO.	A	B	C	D	E
a ₆ (E)	83	39'-8"	5'-10"	33'-10"	4'-9"	34'-11"
a ₇ (E)	52	40'-0"	6'-2"	33'-10"	4'-11"	35'-0"
a ₈ (E)	82	37'-4"	4'-4"	33'-0"	4'-3"	33'-1"
a ₉ (E)	17	20'-8"	5'-10"	14'-10"	5'-9"	14'-11"
a ₁₀ (E)	28	19'-3"	4'-6"	14'-9"	5'-2"	14'-1"
a ₁₁ (E)	47	38'-7"	5'-10"	32'-9"	6'-8"	31'-11"
c ₂ (E)	9	11'-9"	3'-4"	8'-5"	7'-2"	1'-7"
c ₃ (E)	9	10'-10"	1'-7"	9'-3"	2'-5"	8'-5"



MEDIAN PLAN

***Order b₃(E) and c₄(E) bars full length. Cut to fit skew and discard remaining rebar.



MIDSPAN

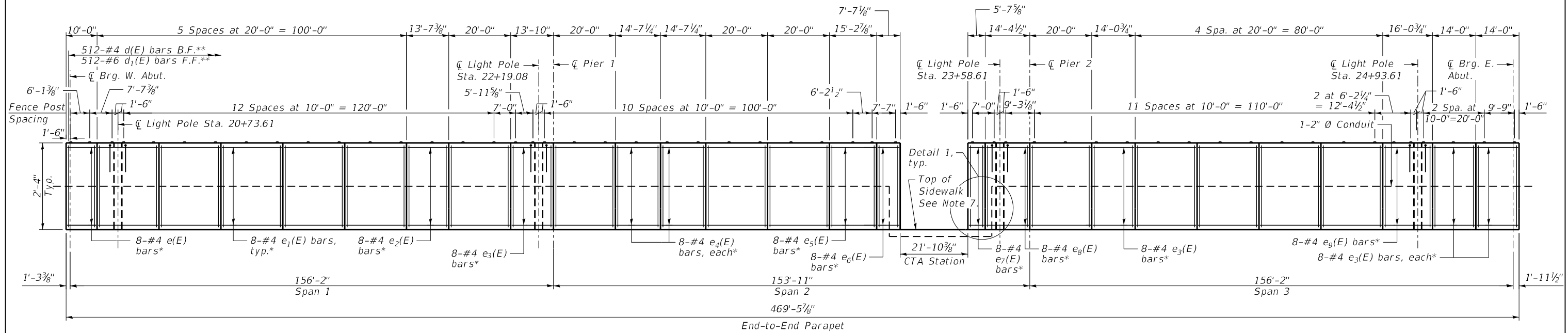
CROSS SECTION
(Looking East)

OVER PIER

*Prior to Grinding
**Cut to fit at CTA Entrance

NOTE:
1. Median to be poured following Stage 2 deck pour and not before.

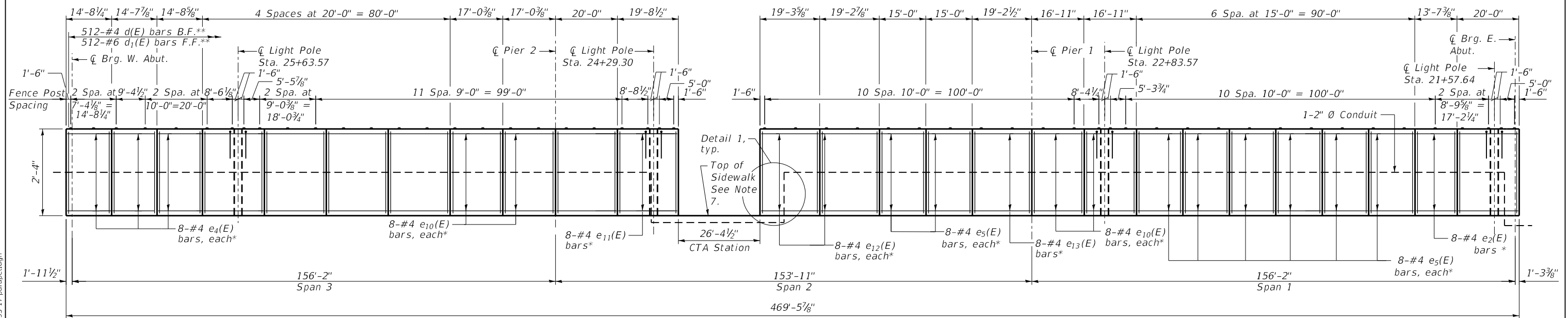
FILE NAME: N:\PROJ\020795-01\Design\Structural\CAD\0160852-20795-16-deck2.dgn



End-to-End Parapet
INSIDE ELEVATION OF NORTH PARAPET
 (Looking North)

*See Section thru Parapet on Sheet S-16 for spacing.

**See Sheet S-15 for spacing of d(E) and d₁(E) bars.
 Bars are included with Superstructure.



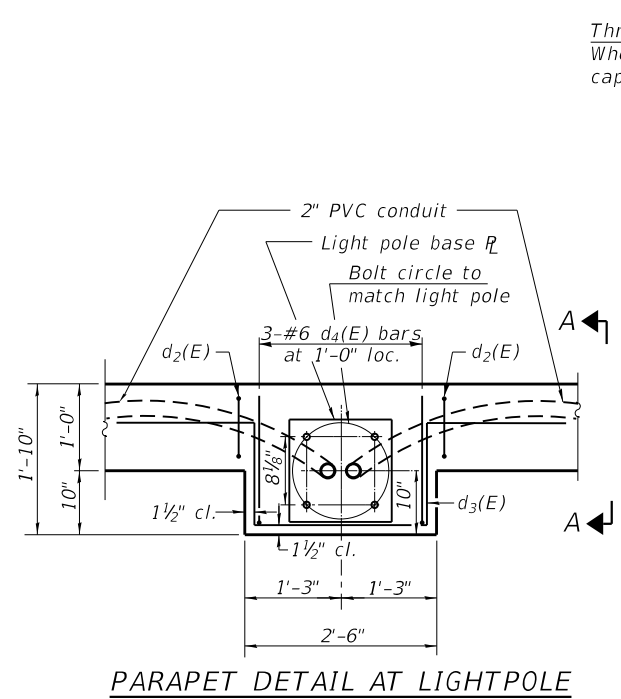
End-to-End Parapet
INSIDE ELEVATION OF SOUTH PARAPET
 (Looking South)

NOTES:

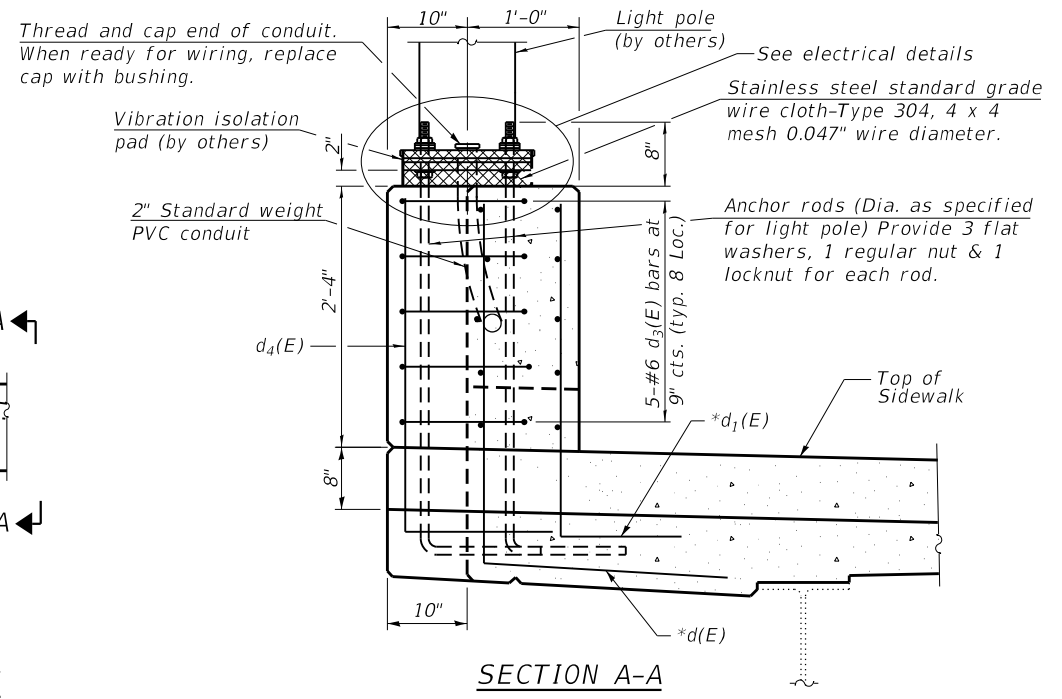
- For bar diagrams and Bill of Material, see Sheet S-20.
- For section through parapet, see Sheet S-16.
- All edges shall be chamfered 3/4".
- For Bridge Fence Railing, see Sheet S-26.
- See Sheets S-24 and S-25 for approach slab parapet details.
- CONTRACTOR to provide expansion/deflection conduit fitting at all structural expansion joints. See lighting plans for expansion/deflection fitting installation details.
- For Top of Sidewalk elevations see Sheet S-15.

FILE NAME: N:\PROJ\020795-01\Design\Structural\CAD\0160852-20795-17-parapet.dgn

<p>ENGINEERING CONSULTANT</p> <p>0725 W. Higgins Road, Suite 500 Chicago, IL 60631 P 773.775.4009 www.ciorba.com</p>	USER NAME = kcsineros PLOT SCALE = 0:2,0000 " / in. PLOT DATE = 8/15/2019	DESIGNED - MLK CHECKED - BS DRAWN - SBA CHECKED - BS	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PARAPET ELEVATIONS STRUCTURE NO. 016-0852 SHEET NO. S-17 OF S-48 SHEETS	F.A.I. RTE. 94 SECTION 267-0101.3-B-R COUNTY COOK TOTAL SHEETS 120 SHEET NO. 72	CONTRACT NO. 62F95 ILLINOIS FED. AID PROJECT NHPX-XG1Q(992)

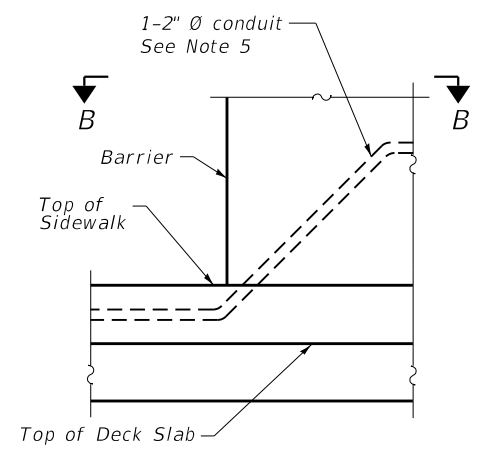


PARAPET DETAIL AT LIGHTPOLE



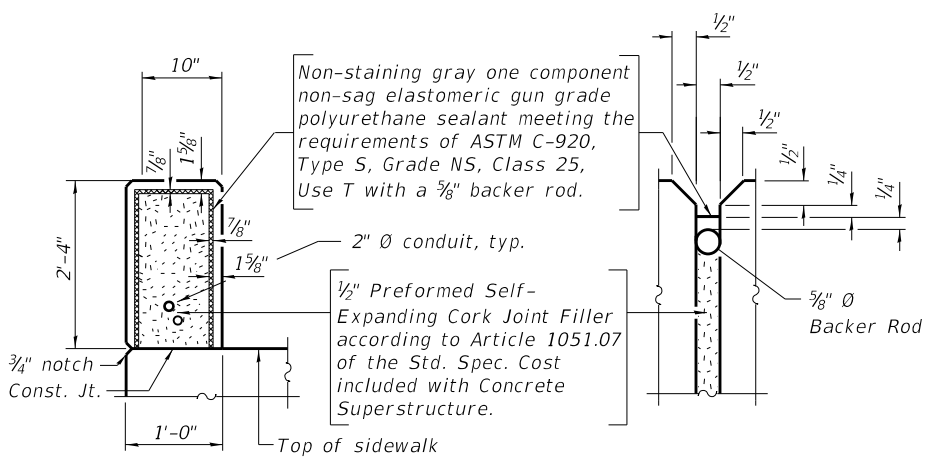
SECTION A-A

* See Sheet S-15 for spacing of d(E) and d1(E) bars. Bars are included with Superstructure.

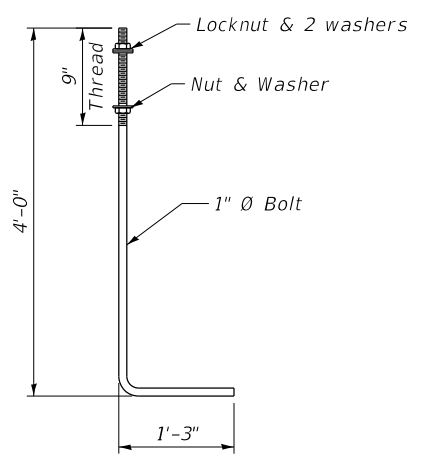


DETAIL 1

Conduits shall be bent to avoid Concrete Sidewalk Blockout at CTA Station Entrance.

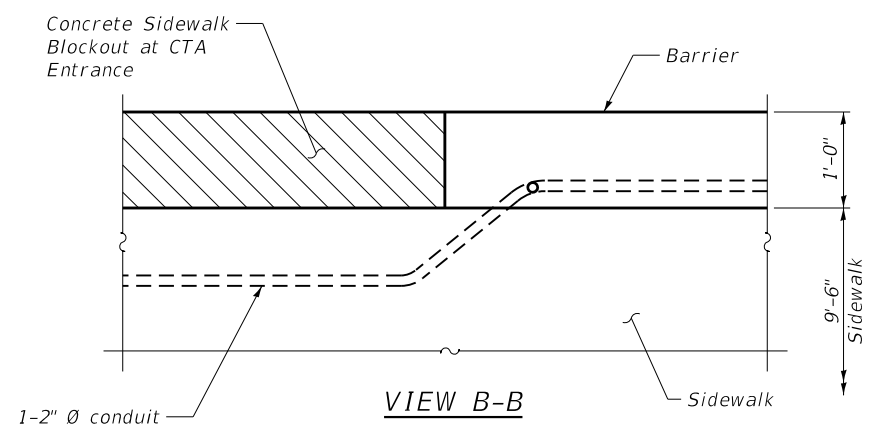


PARAPET JOINT DETAILS



ANCHOR ROD

Cost of anchor rods is included with Concrete Superstructure. (ASTM F 1554 Grade 105) Full length hot dipped galvanized



VIEW B-B

NOTES:

1. For bar diagrams, concrete sidewalk blockout, and Bill of Materials, see Sheet S-20.
2. All edges shall be chamfered 3/4".
3. For Bridge Fence Railing, see sheet S-26.
4. For post spacing, see sheet S-17.
5. Conduit bends shall be in accordance with the National Electrical Code Requirements.

FILE NAME: N:\PROJ\020795-01\Design\Structural\CAD\0160852-20795-1B-parapetdet.dgn

ENGINEERING CONSULTANT

 9725 W. Higgins Road, Suite 500 | Chicago, IL 60631
 P 773.775.4009 | www.ciorba.com

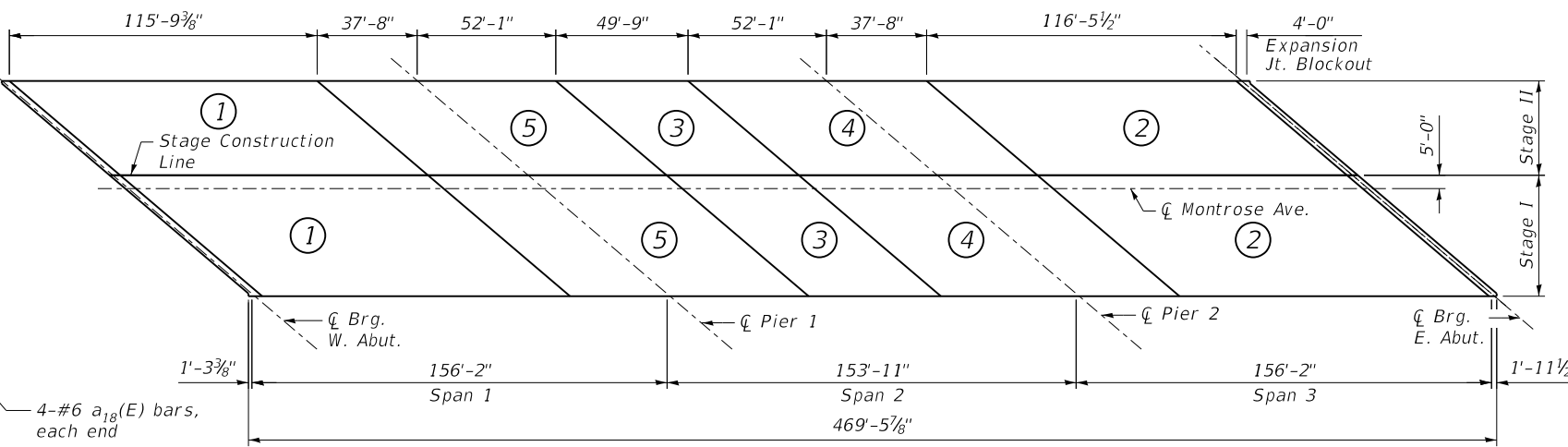
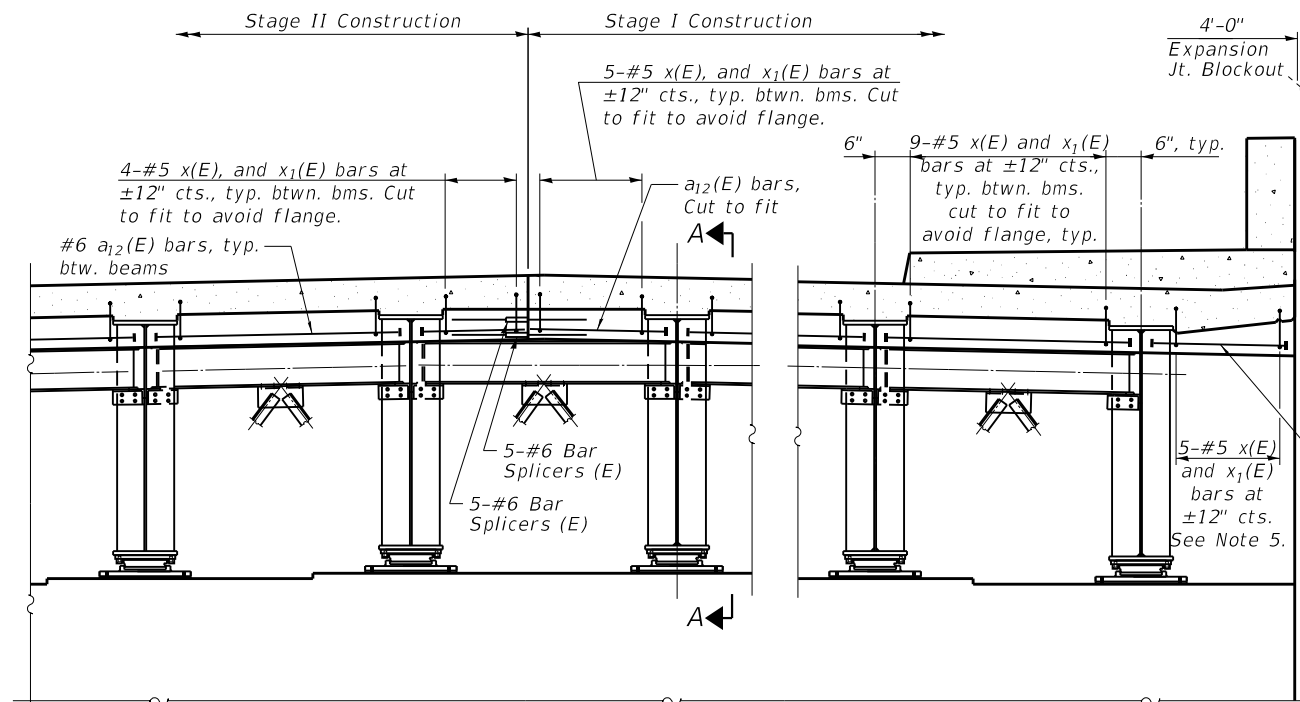
USER NAME =	kcsineros	DESIGNED -	MLK	REVISED -	
PLOT SCALE =	0:2.0000 " / in.	CHECKED -	BS	REVISED -	
PLOT DATE =	8/15/2019	DRAWN -	SBA	REVISED -	
		CHECKED -	BS	REVISED -	

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**PARAPET DETAILS
 STRUCTURE NO. 016-0852**

SHEET NO. S-18 OF S-48 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	267-0101,3-B-R	COOK	120	73
CONTRACT NO. 62F95				
ILLINOIS FED. AID PROJECT NHPXG1Q(992)				



DECK POURING SEQUENCE

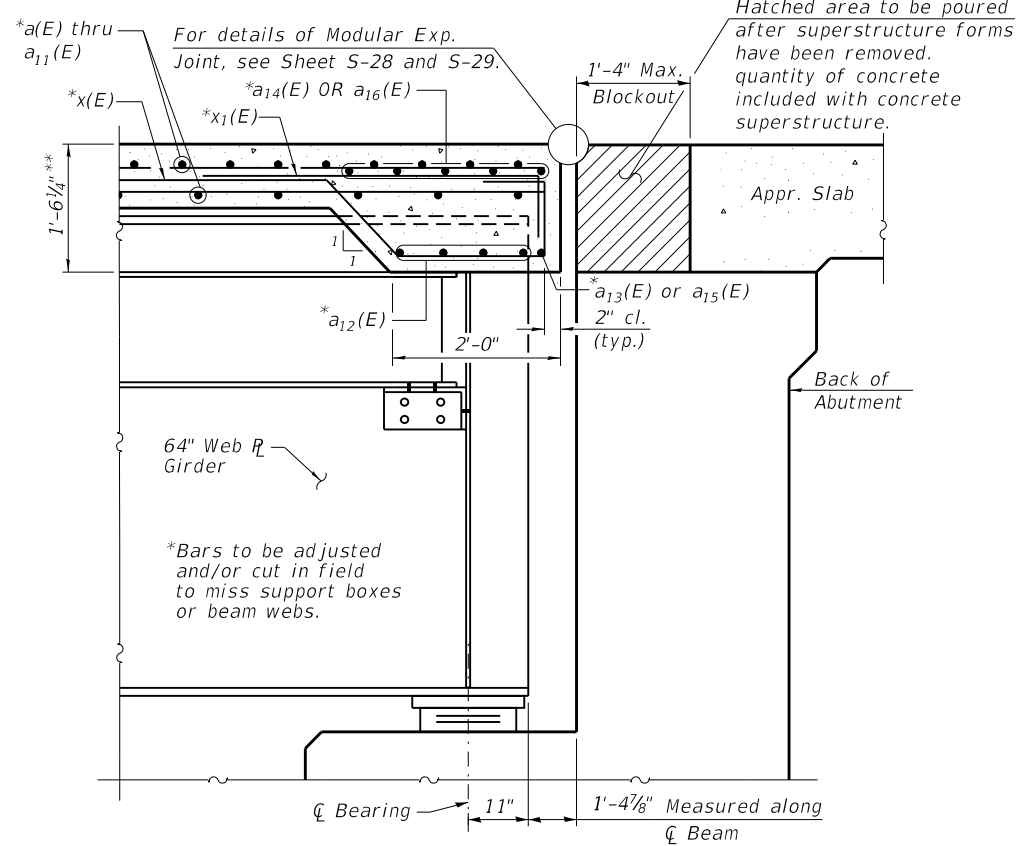
When the deck pour is stopped for the day at one or more of the transverse Bonded Construction Joints in the Deck Pouring Sequence as shown, the next pour shall not be made until both of the following are met:

1. At least 72 hours have elapsed from the end of the previous pour.
2. The concrete strength shall have attained a minimum flexural strength of 675 psi or a minimum compressive strength of 4,000 psi.

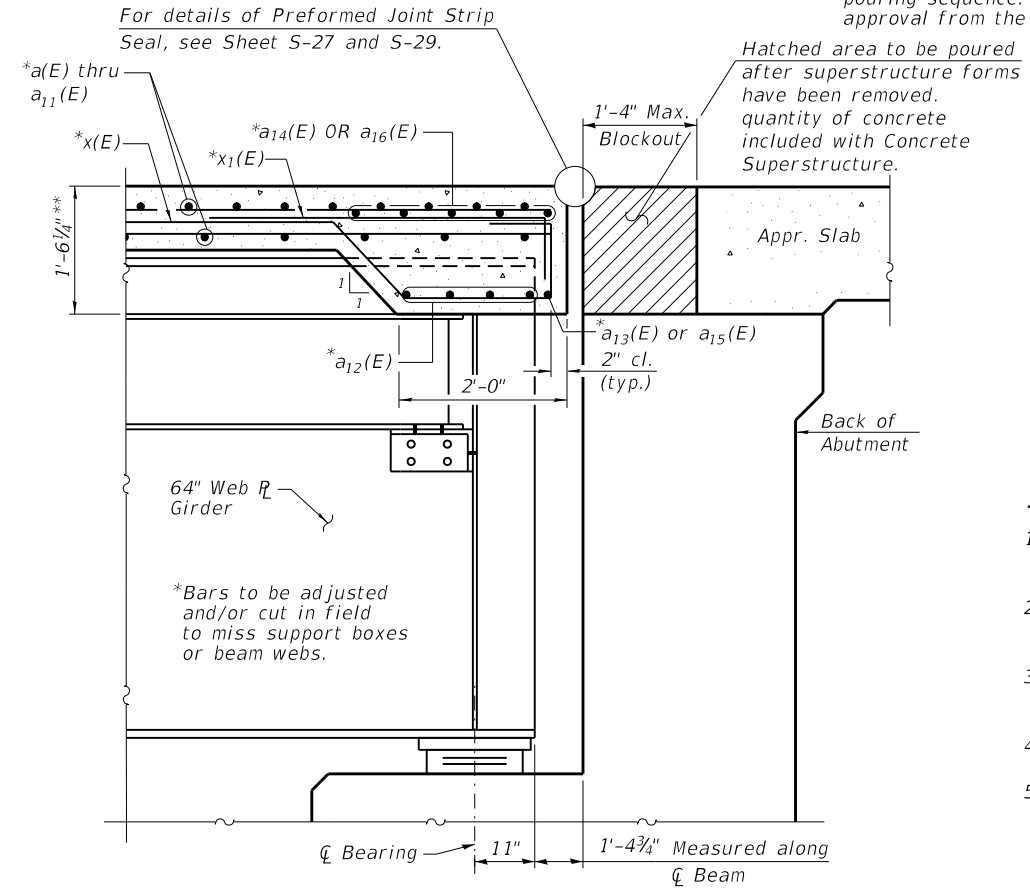
Concrete pours shall follow the numerical order shown in the pouring sequence. Deviation from this pour sequence requires approval from the Engineer.

DIAPHRAGM AT ABUTMENT

(Full Cross Frame not shown for clarity)
(East Abutment shown, West Abutment Similar)



WEST ABUTMENT SECTION A-A
(At Rt. L's to W. Abut. except as noted)



EAST ABUTMENT SECTION A-A
(At Rt. L's to E. Abut. except as noted)

NOTES:

1. Reinforcement Bars in Diaphragm are billed with Superstructure on Sheet S-20.
2. Concrete in Diaphragm is included with Concrete Superstructure on Sheet S-20.
3. x(E) and x1(E) bars shall be placed parallel to the beams. Spacing for these bars shall be at right angles to the beams.
4. For details of bars x(E) and x1(E), see sheet S-20.
5. Overhang diaphragm and reinforcement located on North and South side of both abutments.

FILE NAME: N:\PROJ\020795-01\Design\Structural\CAD\0160852-20795-19-superstructure.dgn

ENGINEERING CONSULTANT
CiorbaGroup
9725 W. Higgins Road, Suite 600 | Chicago, IL 60631
P 773.775.4009 | www.ciorba.com

USER NAME = kcisneros	DESIGNED - MLK	REVISD -
PLOT SCALE = 0:2,0000 "/ in.	CHECKED - BS	REVISD -
PLOT DATE = 8/15/2019	DRAWN - SBA	REVISD -
	CHECKED - BS	REVISD -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE DETAILS 1
STRUCTURE NO. 016-0852
SHEET NO. S-19 OF S-48 SHEETS

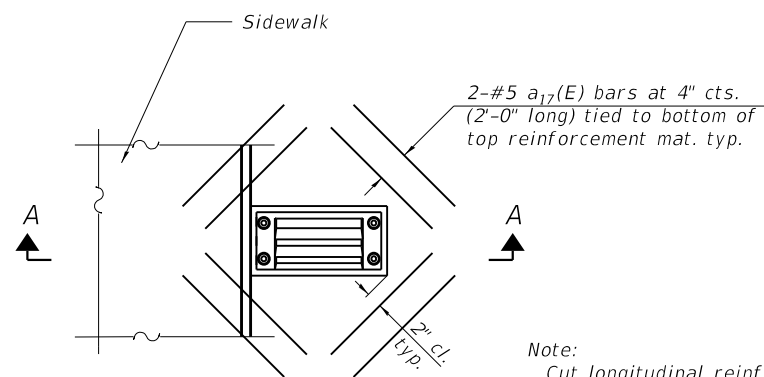
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	267-0101,3-B-R	COOK	120	74
CONTRACT NO. 62F95				
ILLINOIS FED. AID PROJECT NHPX-G1Q(992)				

BILL OF MATERIAL

Item	Unit	Quantity
Concrete Superstructure	Cu Yd	1,107.3
Protective Coat	Sq Yd	4,596
Reinforcement Bars, Epoxy Coated	Pound	335,810
Bridge Deck Grooving (Longitudinal)	Sq Yd	3,109
Diamond Grinding (Bridge Section)	Sq Yd	2,902

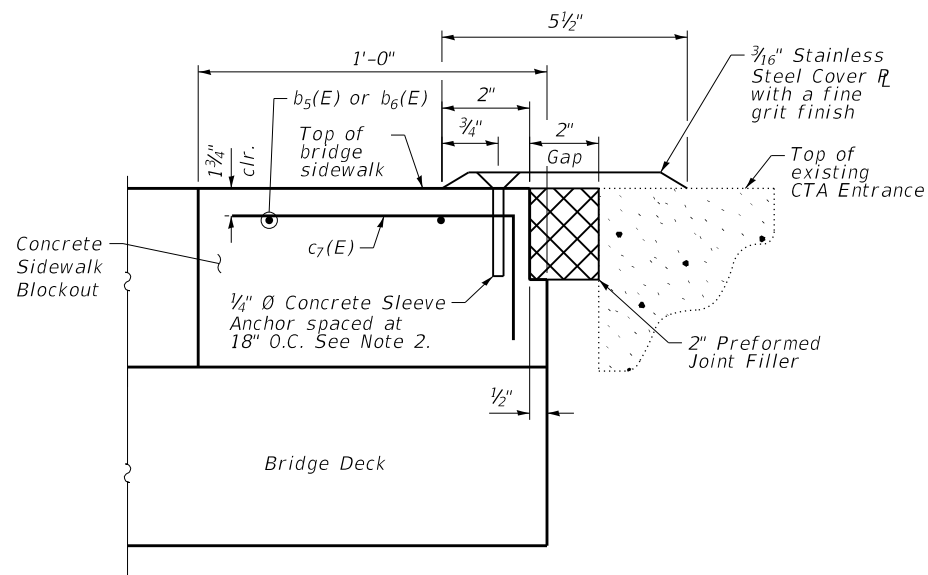
BAR LIST

Bar	No.	Size	Length	Shape
a(E)	1,086	#5	15'-5"	—
a ₁ (E)	1,032	#5	33'-6"	—
a ₂ (E)	647	#5	15'-5"	—
a ₃ (E)	677	#5	33'-6"	—
a ₄ (E)	1,030	#5	35'-2"	—
a ₅ (E)	643	#5	35'-2"	—
a ₆ (E)	83	#5	39'-8"	—
a ₇ (E)	52	#5	40'-0"	—
a ₈ (E)	82	#5	37'-4"	—
a ₉ (E)	17	#5	20'-8"	—
a ₁₀ (E)	28	#5	19'-3"	—
a ₁₁ (E)	47	#5	38'-7"	—
a ₁₂ (E)	64	#6	13'-4"	—
a ₁₃ (E)	4	#6	28'-4"	—
a ₁₄ (E)	20	#6	28'-4"	—
a ₁₅ (E)	6	#6	25'-11"	—
a ₁₆ (E)	30	#6	25'-11"	—
a ₁₇ (E)	80	#5	2'-0"	—
a ₁₈ (E)	16	#6	6'-6"	—
a ₁₉ (E)	80	#5	10'-6"	—
b(E)	1,664	#5	32'-8"	—
b ₁ (E)	1,365	#5	34'-7"	—
b ₂ (E)	480	#6	33'-10"	—
b ₃ (E)	16	#5	15'-7"	—
b ₄ (E)	80	#5	26'-11"	—
b ₅ (E)	2	#5	27'-0"	—
b ₆ (E)	2	#5	21'-6"	—
c(E)	934	#5	2'-4"	—
c ₁ (E)	916	#5	10'-2"	—
c ₂ (E)	9	#5	11'-9"	—
c ₃ (E)	9	#5	10'-10"	—
c ₄ (E)	280	#5	7'-8"	—
c ₅ (E)	560	#5	1'-3"	—
c ₆ (E)	1	#5	11'-10"	—
c ₇ (E)	51	#5	1'-0"	—
d(E)	1,408	#4	5'-3"	—
d ₁ (E)	1,412	#6	4'-7"	—
d ₂ (E)	226	#4	2'-2"	—
d ₃ (E)	40	#6	8'-7"	—
d ₄ (E)	24	#6	4'-0"	—
e(E)	8	#4	9'-8"	—
e ₁ (E)	160	#4	19'-8"	—
e ₂ (E)	16	#4	13'-3"	—
e ₃ (E)	32	#4	13'-6"	—
e ₄ (E)	40	#4	14'-3"	—
e ₅ (E)	72	#4	14'-8"	—
e ₆ (E)	8	#4	7'-3"	—
e ₇ (E)	8	#4	5'-3"	—
e ₈ (E)	8	#4	14'-0"	—
e ₉ (E)	8	#4	15'-8"	—
e ₁₀ (E)	32	#4	16'-7"	—
e ₁₁ (E)	8	#4	19'-4"	—
e ₁₂ (E)	16	#4	19'-0"	—
e ₁₃ (E)	8	#4	18'-10"	—
u(E)	1	#4	11'-7"	—
x(E)	164	#5	6'-10"	—
x ₁ (E)	164	#5	4'-1"	—



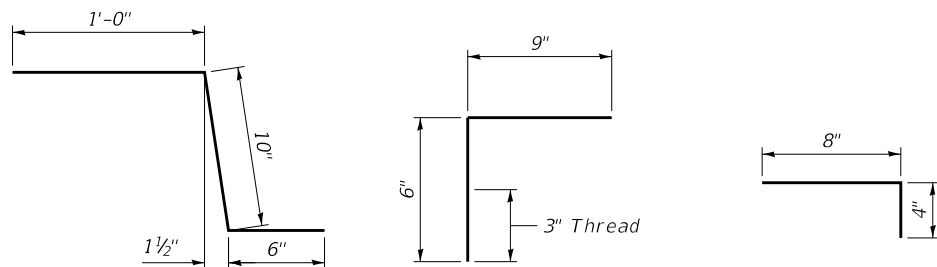
**DETAIL 1
PLAN AT SCUPPER
(10 Locations)**

Note:
Cut longitudinal reinforcement to clear drainage scuppers.

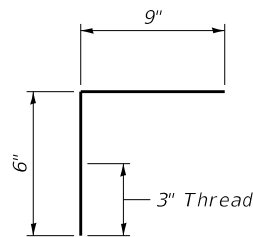


CTA STATION EXPANSION JOINT DETAIL

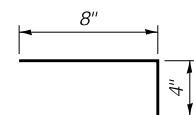
(Contractor to submit to CTA for review and approval prior to construction. Cost included with Concrete Superstructure.)



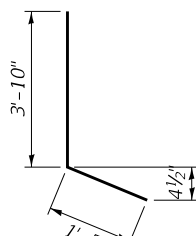
BAR c(E)



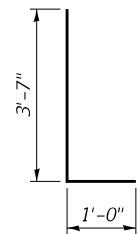
BAR c₅(E)



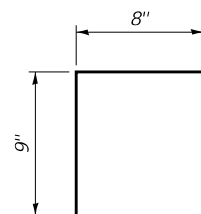
BAR c₇(E)



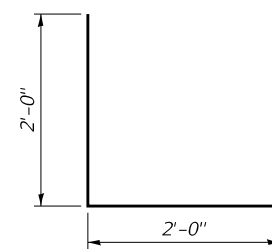
BAR d(E)



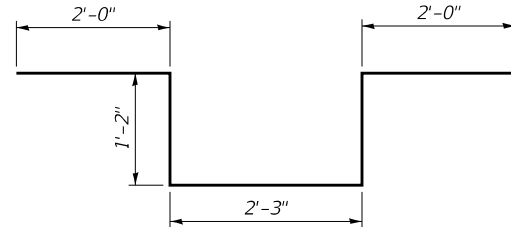
BAR d₁(E)



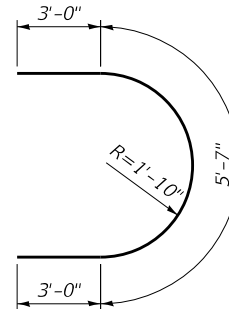
BAR d₂(E)



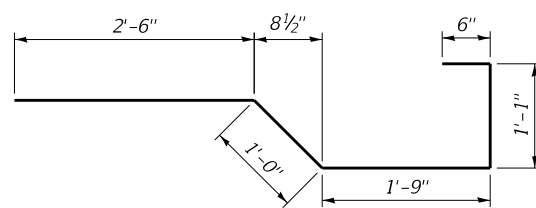
BAR d₄(E)



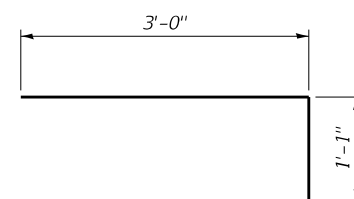
BAR d₃(E)



BAR u(E)



BAR x(E)



BAR x₁(E)

NOTES:

- Repairs to the CTA Entrance due to expansion joint installation will be made at the Contractors expense. Cost included with Concrete Superstructure.
- Space concrete sleeve anchor to miss blockout reinforcement.

FILE NAME: N:\PROJ\020795-01\Design\Structural\CAD\0160852-20795-20-superstructure2.dgn



ENGINEERING CONSULTANT	USER NAME = kcisneros	DESIGNED - MLK	REVISED -
		CHECKED - BS	REVISED -
	PLOT SCALE = 0:2,0000 " / in.	DRAWN - SBA	REVISED -
	PLOT DATE = 8/15/2019	CHECKED - BS	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

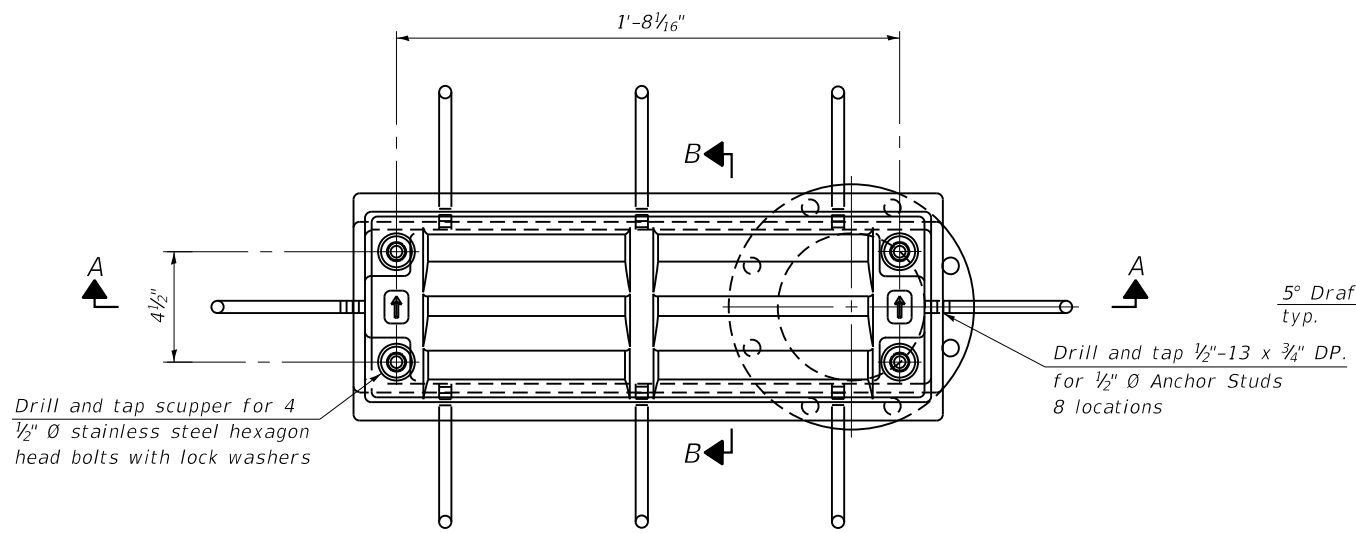
**SUPERSTRUCTURE DETAILS 2
STRUCTURE NO. 016-0852**

SHEET NO. S-20 OF S-48 SHEETS

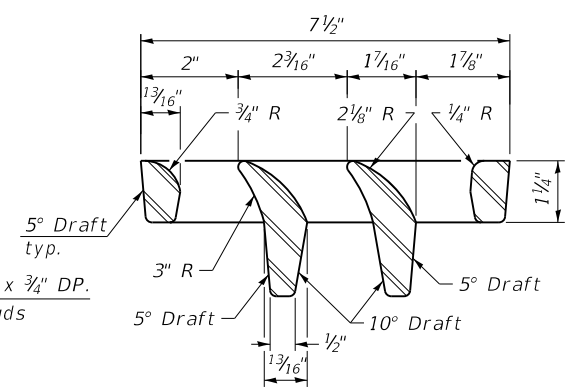
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	267-0101,3-B-R	COOK	120	75
CONTRACT NO. 62F95				
ILLINOIS FED. AID PROJECT NHPP-XG1Q(992)				

NOTES:

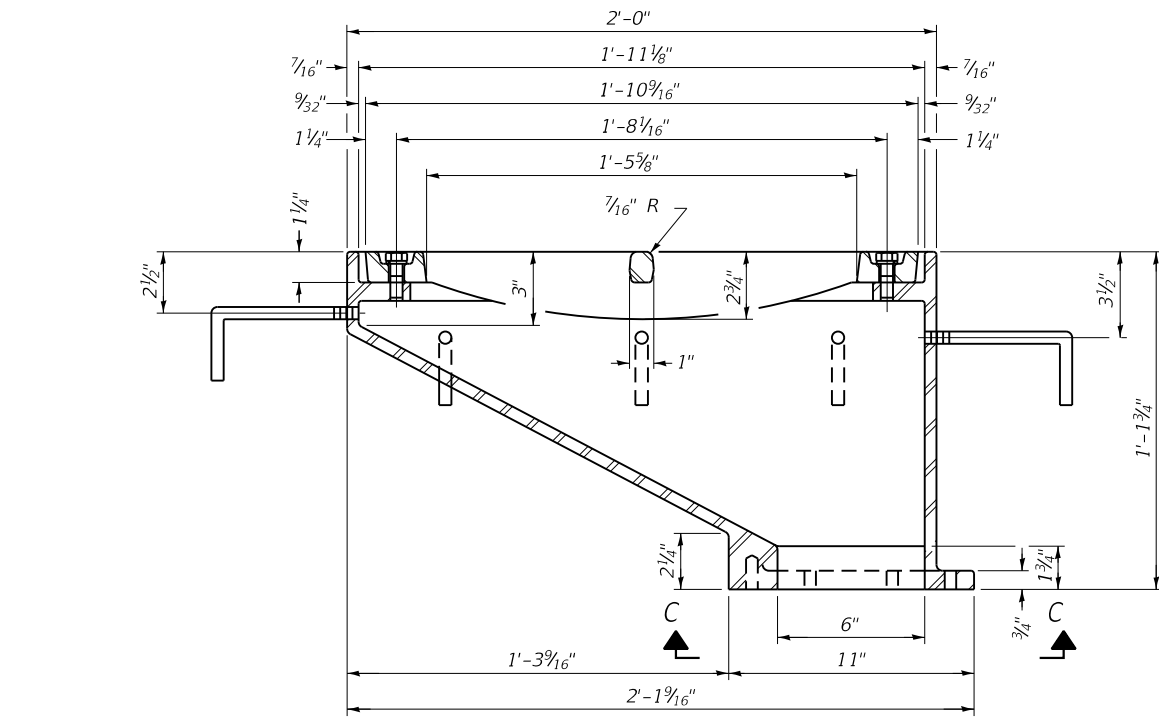
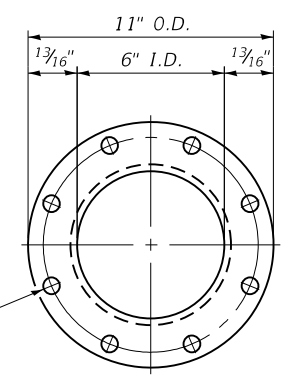
- All cast iron parts shall be gray iron conforming to the requirements of AASHTO M 105, Class 35B.
- Bolts, anchor studs, washers and nuts shall conform to the requirements of ASTM A 307 and shall be galvanized according to AASHTO M 232.
- Downspouts located on the exterior side of a painted steel fascia beam shall be painted with the finish coat specified for the exterior side of the fascia beam.
- As an alternate, bolts, anchor studs, washers and nuts may be stainless steel according to Article 1006.29(d) of the Standard Specifications.
- Structural steel weldments of equal sections and of the same configuration may be substituted for the cast iron scupper frame. Fillet or full penetration welds shall be used for the weldments. Details shall be submitted to the Engineer for approval. Structural steel weldments shall not be substituted for the cast iron scupper grate. Structural steel frames and downspouts shall be galvanized according to AASHTO M111.
- The Contractor shall take appropriate measures to assure that Protective Coat is not applied to the scupper.
- Cost of the Grate, Frame, Downspout, Anchor Studs, Bolts, Washers and Nuts including complete installation of the scupper shall be paid for at the contract unit price each for Drainage Scupper, DS-12.
- Alternate fiberglass downspout conforming to ASTM D 2996 with a short-time rupture strength hoop tensile stress of 30,000 psi min. may be used in lieu of the cast iron or steel equivalent.
- See Sheets S-22 and S-23 for additional scupper details.



PLAN

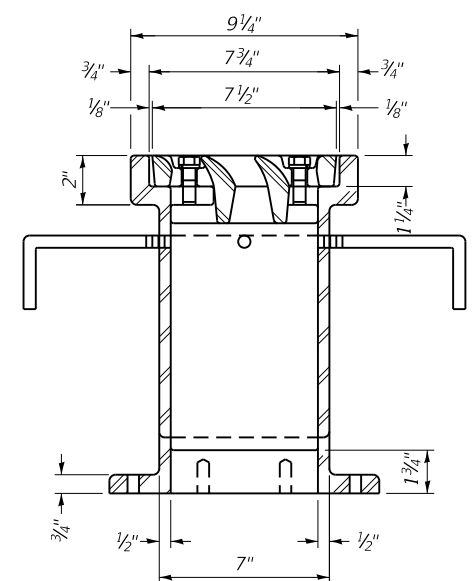


VANE GRATE DETAIL

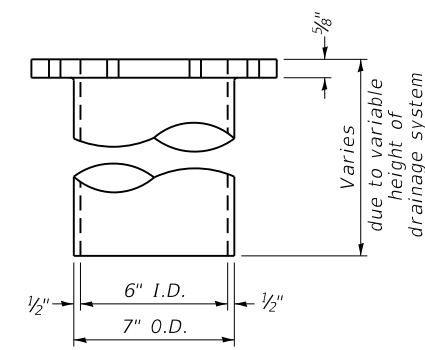


SECTION A-A

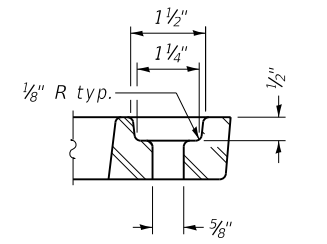
See Sheet S-7 for scupper location relative to parapet.



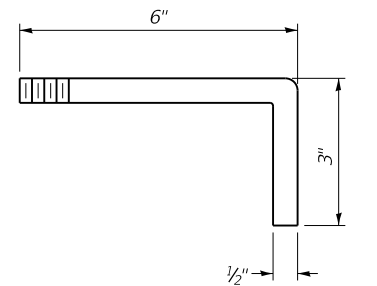
SECTION B-B



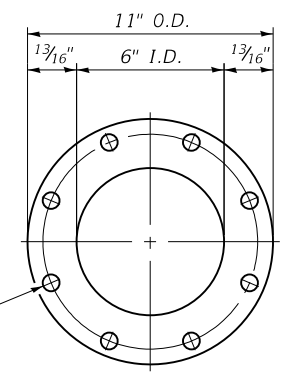
DOWNSPOUT



BOLT HOLE DETAIL



ANCHOR STUD DETAIL



VIEW C-C

Drill and tap 8 holes for 1/2"-13 bolts on a 9 1/2" Ø bolt circle. (2 blind holes are 1 1/4" deep, 6 thru holes)

BILL OF MATERIAL

Item	Unit	Quantity
Drainage Scupper, DS-12	Each	10

FILE NAME: N:\PROJ\020795-01\Design\Structural\CAD\0160852-20795-21-structrain1.dgn

DS-12

2-17-2017



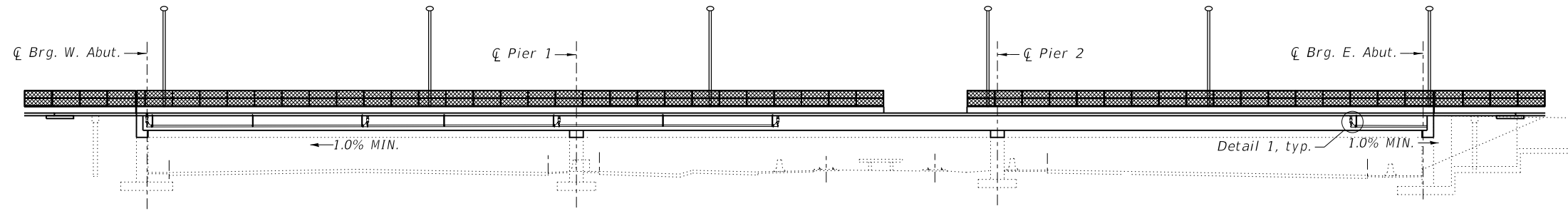
ENGINEERING CONSULTANT	USER NAME = kcsineros	DESIGNED - MLK	REVISED -
		CHECKED - BS	REVISED -
	PLOT SCALE = 0:2,0000 " / in.	DRAWN - SBA	REVISED -
	PLOT DATE = 8/15/2019	CHECKED - BS	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

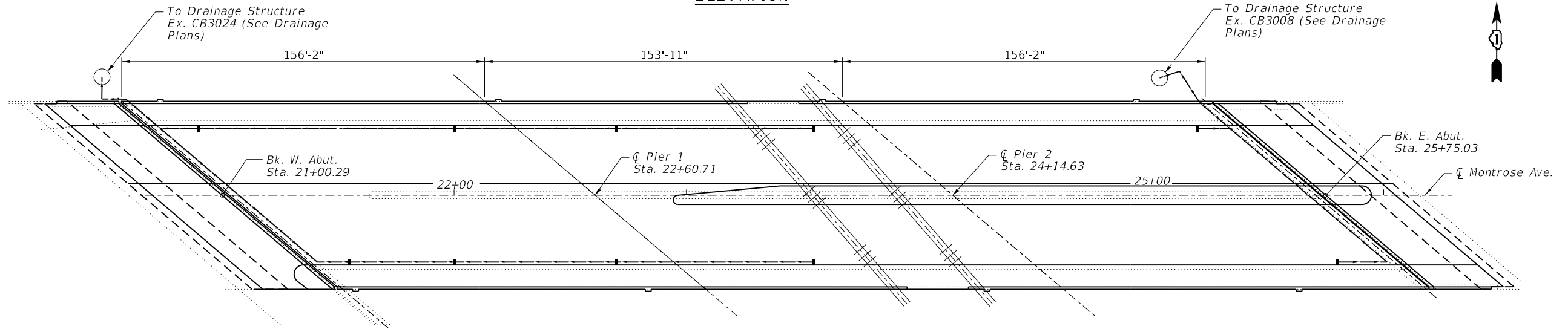
**DRAINAGE SCUPPER, DS-12
STRUCTURE NO. 016-0852**

SHEET NO. S-21 OF S-48 SHEETS

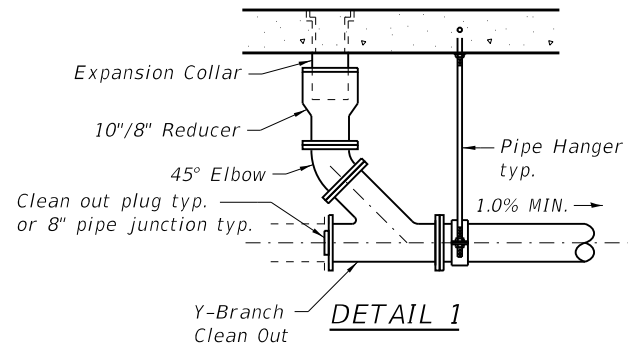
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	267-0101,3-B-R	COOK	120	76
CONTRACT NO. 62F95				
ILLINOIS FED. AID PROJECT NHPX-G10(992)				



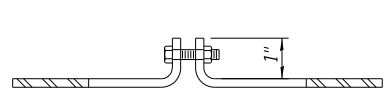
ELEVATION



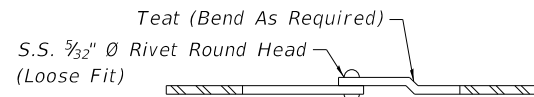
PLAN



DETAIL 1



SECTION A-A



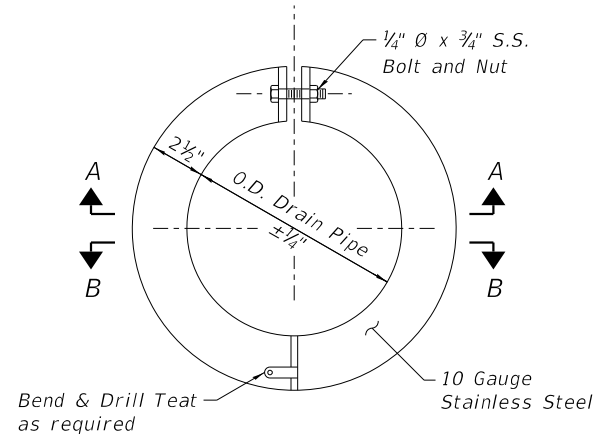
SECTION B-B

LEGEND

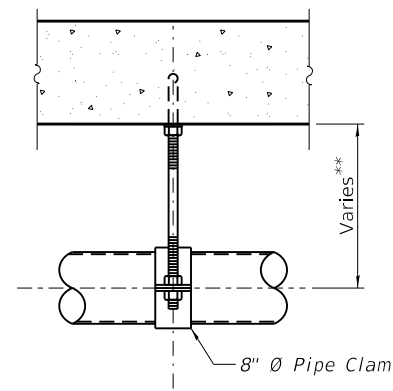
--- Indicates Direction of Flow

NOTES:

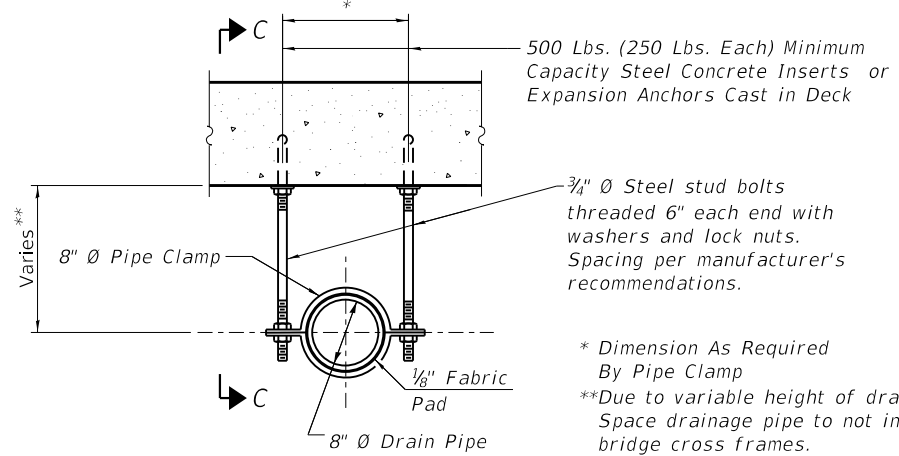
1. Drain pipes and fittings shall be 8" Ø.
2. Reducers shall be sized to accommodate longitudinal Thermal Movement of the superstructure between the pier and the scupper.
3. Provide structural support from proposed deck slab for drain pipe per manufacturer's recommendation, not to exceed 5' cts. cost included with Drainage System.
4. All pipes, pipe fittings and brackets needed shall be included with cost of Drainage System.
5. For additional details see sheet S-23.



DETAIL OF EXPANSION COLLAR



VIEW C-C



COLLECTOR PIPE HANGER DETAIL

BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Drainage System	L Sum	1

FILE NAME: N:\PROJ\020795-01\Design\Structural\CAD\0160852-20795-22-structrain2.dgn

ENGINEERING CONSULTANT

 9725 W. Higgins Road, Suite 600 | Chicago, IL 60631
 P 773.775.4009 | www.ciorba.com

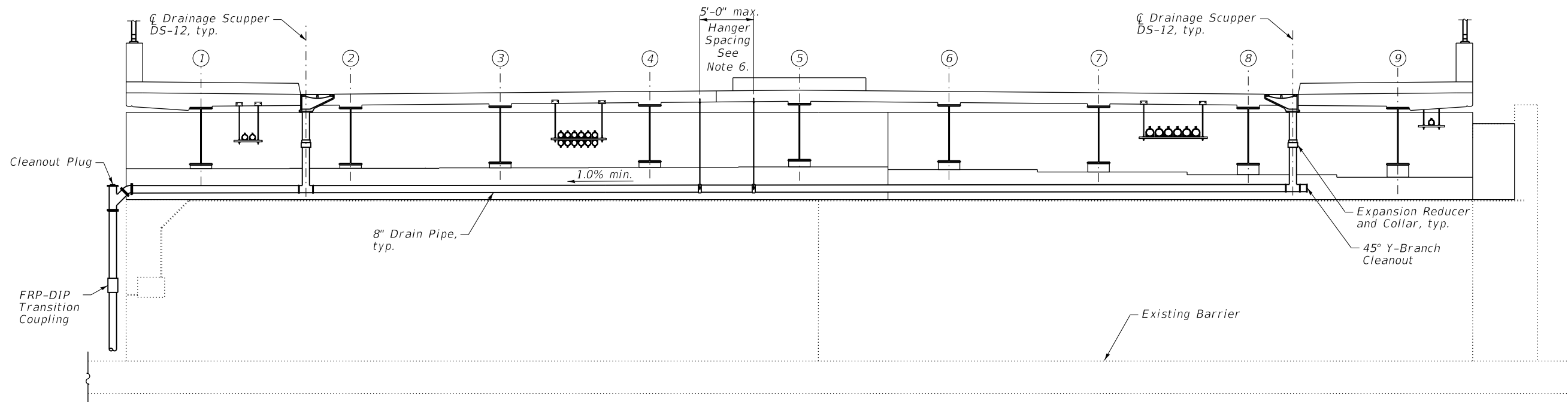
USER NAME =	kcisneros	DESIGNED -	MLK	REVISED -	
PLOT SCALE =	0:2,0000 "/in.	CHECKED -	BS	REVISED -	
PLOT DATE =	8/15/2019	DRAWN -	SBA	REVISED -	
		CHECKED -	BS	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

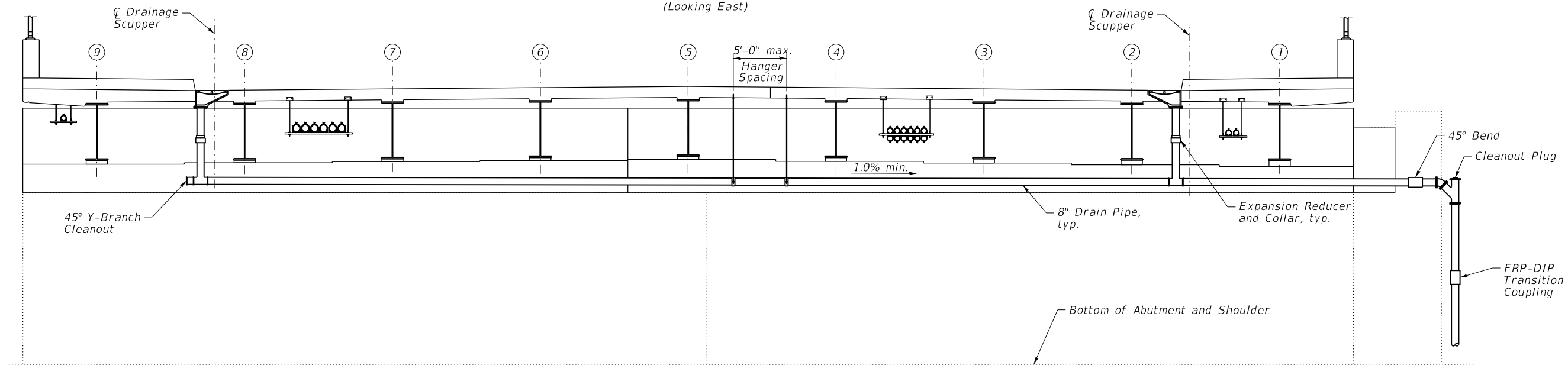
CLOSED DRAINAGE SYSTEM
STRUCTURE NO. 016-0852

SHEET NO. S-22 OF S-48 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	267-0101,3-B-R	COOK	120	77
CONTRACT NO. 62F95				
ILLINOIS FED. AID PROJECT NHPP-XG1Q(992)				



EAST ABUTMENT ELEVATION
(Looking East)



WEST ABUTMENT ELEVATION
(Looking West)

NOTES:

1. See Sheet S-21 for additional notes and drainage scupper details.
2. Scuppers and bridge drainage shall be located clear of all diaphragms.
3. Pipe supports shall be provided on all pipes at 5'-0" max. spacing.
4. All pipe hangers, supports and hardware shall be hot-dipped galvanized in accordance with AASHTO M232 (ASTM A153).
5. See Drainage Plans for tie-in to existing I-94 drainage structures.
6. Drain pipe hanger shall be coordinated with utilities on bridge running longitudinal. If larger spacing is required at locations of utility conflict, hanger capacity shall be confirmed for the increased drain pipe tributary length.

FILE NAME: N:\PROJ\020795-01\Design\Structural\CAD\0160852-20795-2-3-structrain3.dgn

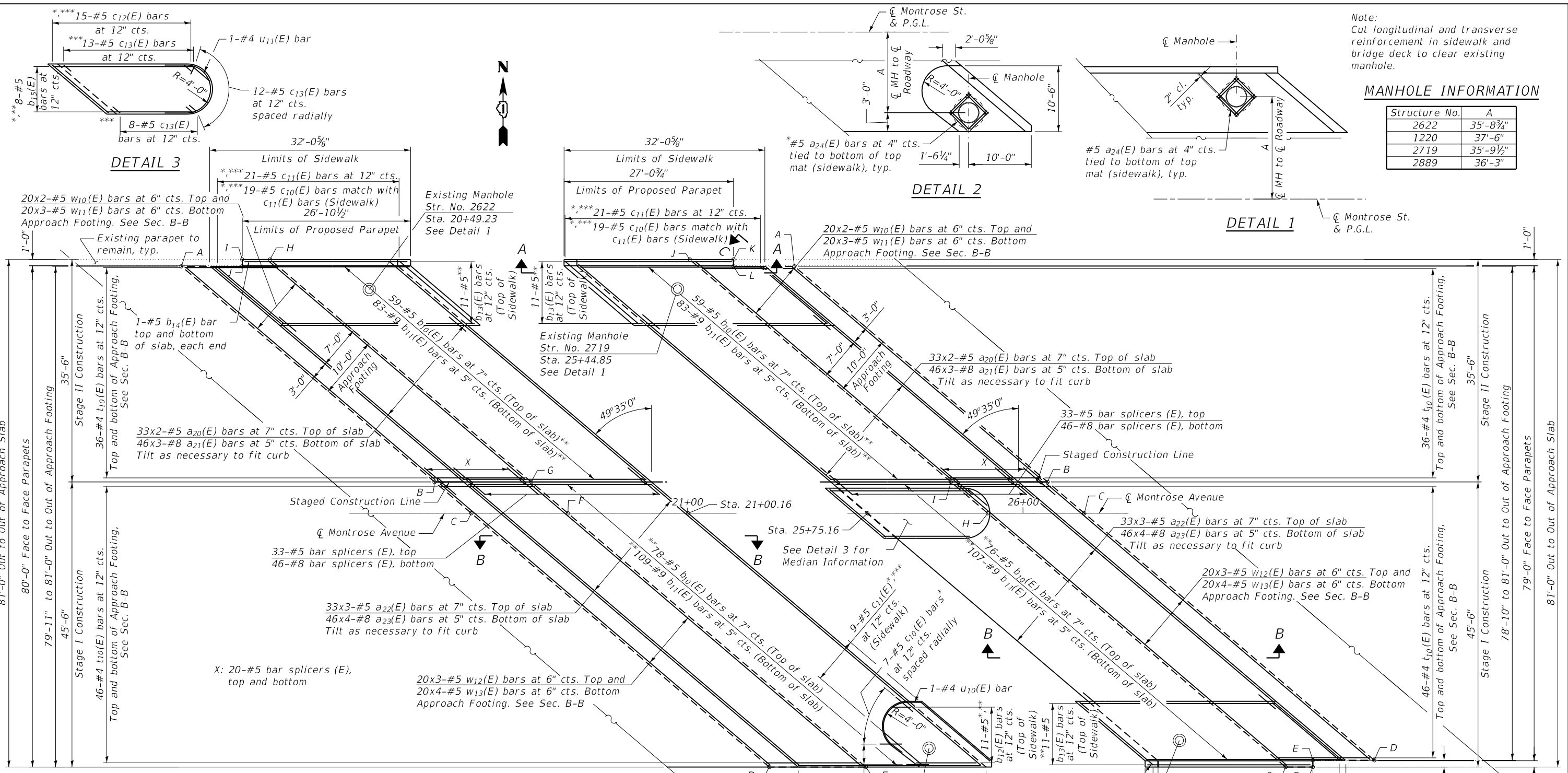
<p>0725 W. Higgins Road, Suite 500 Chicago, IL 60631 P 773.775.4009 www.ciorba.com</p>	ENGINEERING CONSULTANT	USER NAME = kcisneros	DESIGNED - MLK	REVISED -
			CHECKED - BS	REVISED -
	PLOT SCALE = 0:2,0000 " / in.		DRAWN - SBA	REVISED -
	PLOT DATE = 8/15/2019		CHECKED - BS	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CLOSED DRAINAGE SYSTEM AT ABUTMENTS
STRUCTURE NO. 016-0852

SHEET NO. S-23 OF S-48 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	267-0101.3-B-R	COOK	120	78
CONTRACT NO. 62F95				
ILLINOIS FED. AID PROJECT NHPP-XG1Q(992)				

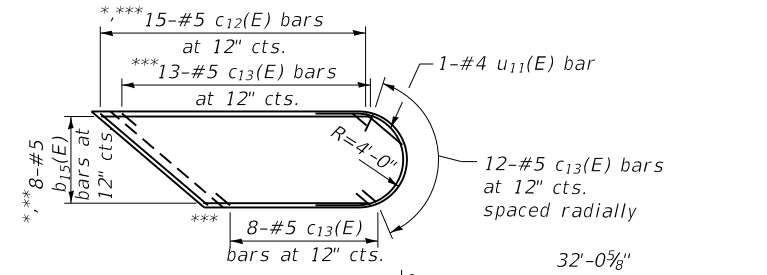


Note:
Cut longitudinal and transverse reinforcement in sidewalk and bridge deck to clear existing manhole.

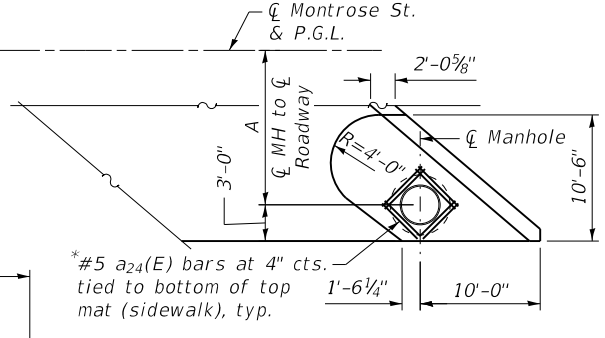
MANHOLE INFORMATION

Structure No.	A
2622	35'-8 3/4"
1220	37'-6"
2719	35'-9 1/2"
2889	36'-3"

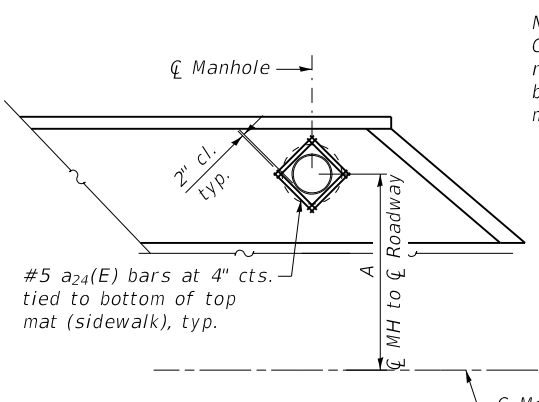
DETAIL 3



DETAIL 2



DETAIL 1



TOP AND BOTTOM ELEVATIONS FOR APPROACH FOOTING

Point	West Approach		East Approach	
	Top	Bottom	Top	Bottom
A	605.42	604.59	607.78	606.95
B	606.36	605.52	608.17	607.33
C	606.49	605.66	608.22	607.39
D	606.38	605.54	607.45	606.61
E	606.47	605.64	607.48	606.65
F	606.60	605.77	607.50	606.67
G	606.47	605.64	607.52	606.69
H	605.54	604.70	608.28	607.44
I	605.49	604.66	607.83	607.00
J	605.47	604.64	607.84	607.00
K	-	-	607.80	606.97
L	-	-	607.80	606.97

MINIMUM BAR LAP

#5 bar = 3'-4"
#8 bar = 6'-9"

WEST APPROACH PLAN

*Order bars at full length and cut in field to fit
**Spaced parallel to \bar{C} Montrose Ave
***Spaced parallel to skew

EAST APPROACH PLAN

NOTES:

- See Sheet S-25 for Sections A-A, B-B and C-C.
- See Roadway Plans for sidewalk Ramp grading.
- Bars in the sidewalk interfering with the ADA Ramp Construction shall be bent and/or cut to fit based on the sidewalk depth in these areas.
- For ADA ramp location, layout, elevations, and details, see Roadway Plans.
- Cut longitudinal and transverse bars in field to fit Manhole structures.
- For SW Top of Sidewalk elevations, grading, and detectable warning strip see Roadway Plans.

FILE NAME: N:\PROJ\020795-01\Design\Structural\CAD\0160852-20795-24-app\Slab1.dgn

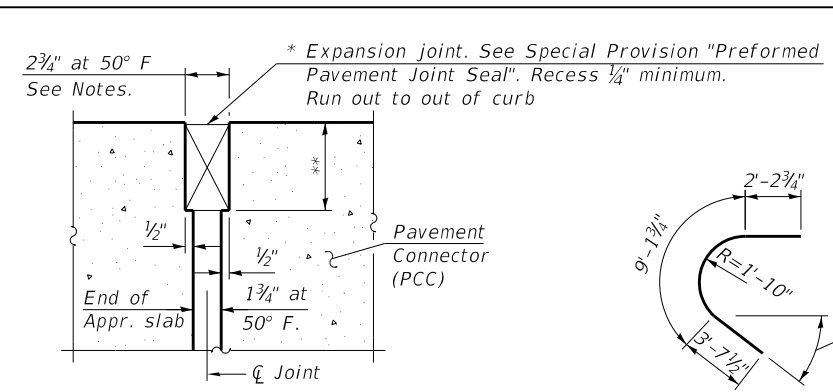
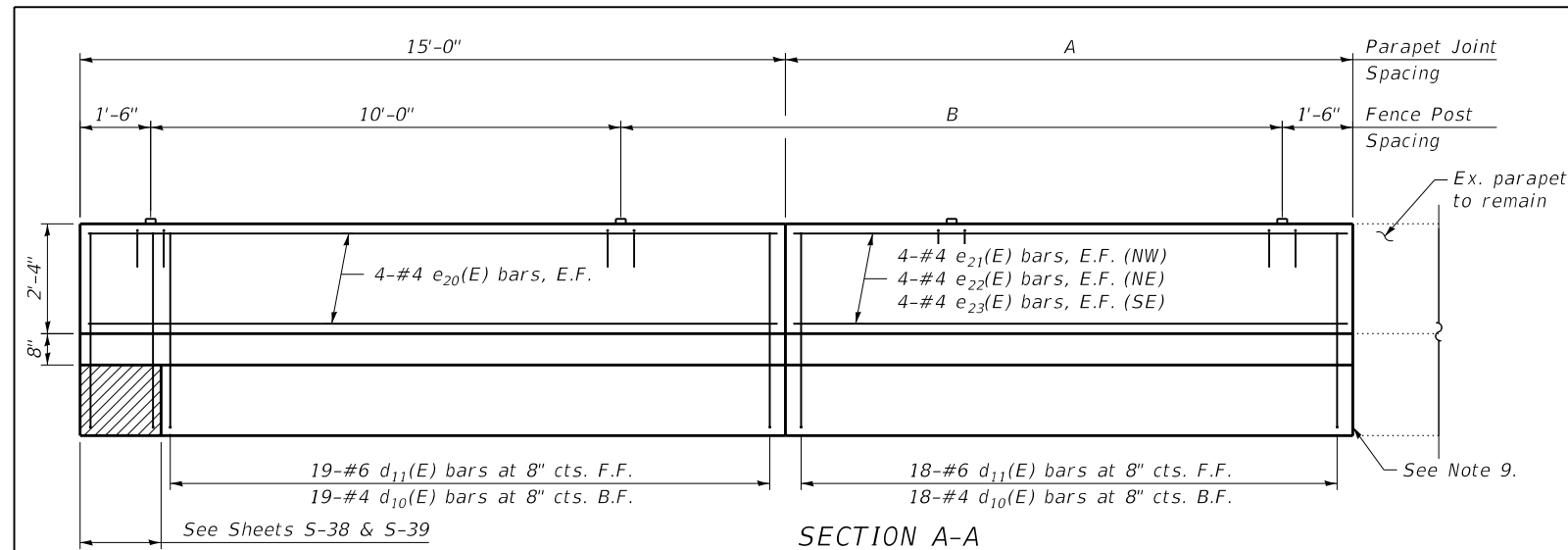
ENGINEERING CONSULTANT
CiorbaGroup
9725 W. Higgins Road, Suite 600 | Chicago, IL 60631
P 773.775.4009 | www.ciorba.com

USER NAME =	kcsineros	DESIGNED -	MLK	REVISED -	
PLOT SCALE =	0:2,0000 "/in.	CHECKED -	BS	REVISED -	
PLOT DATE =	8/15/2019	DRAWN -	SBA	REVISED -	
		CHECKED -	BS	REVISED -	

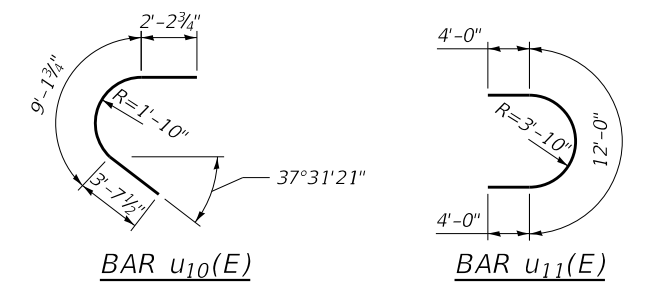
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRIDGE APPROACH SLAB DETAILS 1
STRUCTURE NO. 016-0852
SHEET NO. S-24 OF S-48 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	267-0101,3-B-R	COOK	120	79
CONTRACT NO. 62F95				
ILLINOIS FED. AID PROJECT NHPX-XG1Q(992)				



* Cost included with Concrete Superstructure (Approach Slab).
 ** Per manufacturer recommendations
 ***Prior to Grinding

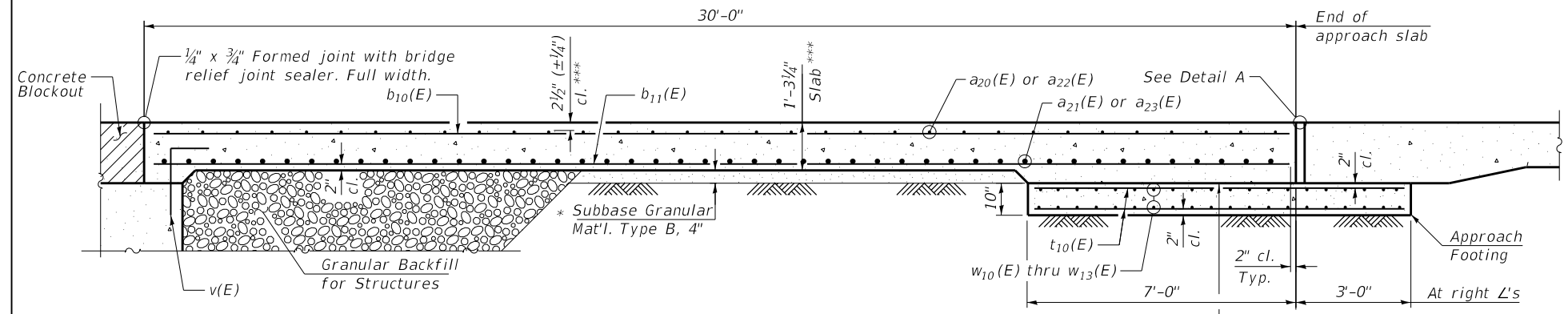


DETAIL A NOTES:

1. Parapet and sidewalk concrete shall be paid for as Concrete Superstructure.
2. Approach slab shall be paid for as Concrete Superstructure (Approach Slab).
3. Approach footing concrete shall be paid for as Concrete Structures.
4. The approach footing maximum applied service bearing pressure (Qmax) = 2.0 ksf.
5. Cost of excavation for approach footing included with Concrete Structures.
6. For Granular Backfill for Structures and drainage treatment details, see Sheet S-41.
7. For v(E) bar details, see Sheets S-38 thru S-41.
8. Foundation for traffic signal pedestal shall be installed prior to sleeper slab. Sleeper slab shall be formed around foundation for traffic signal pedestal and reinforcement cut to fit as necessary.
9. For parapet joint details, see sheet S-18.
10. For Bar Splicer Details see Sheet S-47.

BILL OF MATERIAL
TWO APPROACHES

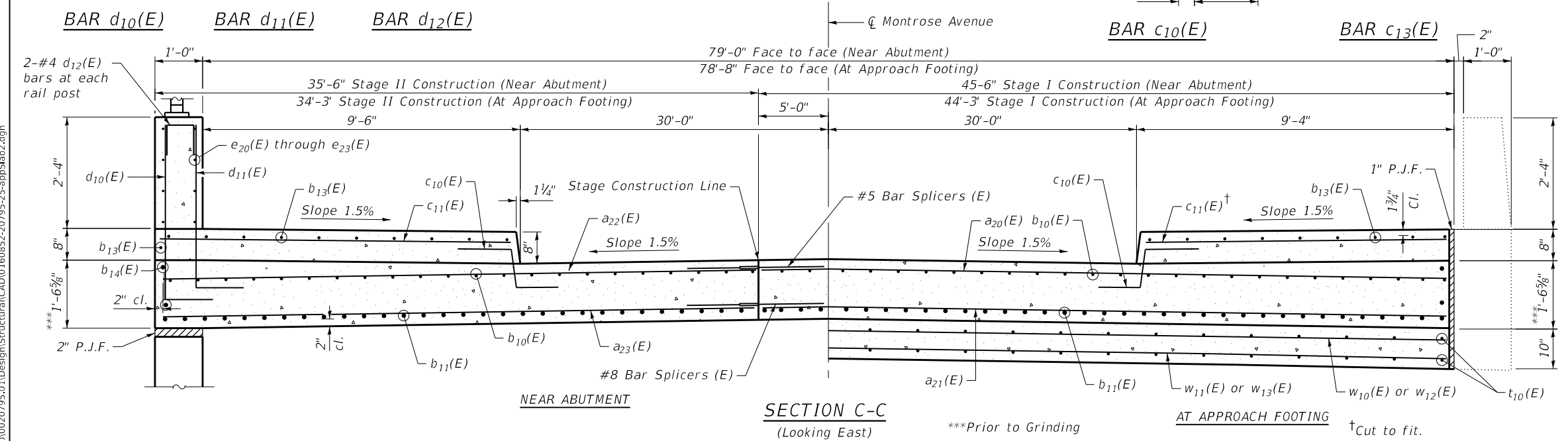
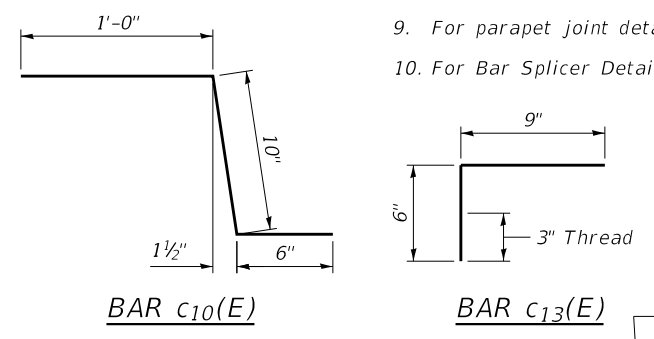
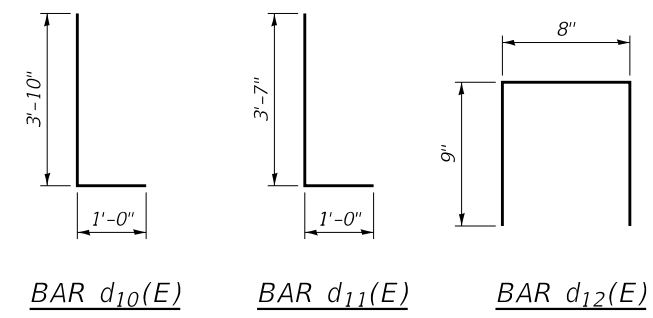
Bar	No.	Size	Length	Shape
a ₂₀ (E)	132	#5	28'-0"	—
a ₂₁ (E)	276	#8	22'-3"	—
a ₂₂ (E)	198	#5	25'-6"	—
a ₂₃ (E)	368	#8	22'-10"	—
a ₂₄ (E)	32	#5	5'-4"	—
b ₁₀ (E)	272	#5	29'-6"	—
b ₁₁ (E)	382	#9	29'-6"	—
b ₁₂ (E)	11	#5	11'-0"	—
b ₁₃ (E)	33	#5	31'-6"	—
b ₁₄ (E)	8	#5	26'-8"	—
b ₁₅ (E)	8	#5	23'-2"	—
c ₁₀ (E)	68	#5	2'-4"	┘
c ₁₁ (E)	72	#5	15'-8"	—
c ₁₂ (E)	15	#5	11'-10"	—
c ₁₃ (E)	33	#5	1'-3"	┘
d ₁₀ (E)	111	#4	5'-7"	┘
d ₁₁ (E)	111	#6	4'-7"	┘
d ₁₂ (E)	24	#4	2'-2"	┘
e ₂₀ (E)	24	#4	14'-8"	—
e ₂₁ (E)	8	#4	11'-6"	—
e ₂₂ (E)	8	#4	11'-8"	—
e ₂₃ (E)	8	#4	11'-5"	—
t ₁₀ (E)	328	#4	14'-11"	—
u ₁₀ (E)	1	#4	14'-2"	┘
u ₁₁ (E)	1	#4	20'-0"	┘
w ₁₀ (E)	80	#5	28'-0"	—
w ₁₁ (E)	120	#5	19'-10"	—
w ₁₂ (E)	120	#5	25'-6"	—
w ₁₃ (E)	160	#5	19'-11"	—
Concrete Structures			Cu Yd	49.7
Concrete Superstructure			Cu Yd	11.7
Protective Coat			Sq Yd	559
Concrete Superstructure (Approach Slab)			Cu Yd	235.2
Reinforcement Bars, Epoxy Coated			Pound	114,270
Bridge Deck Grooving (Longitudinal)			Sq Yd	400



SECTION B-B

PARAPET INFORMATION

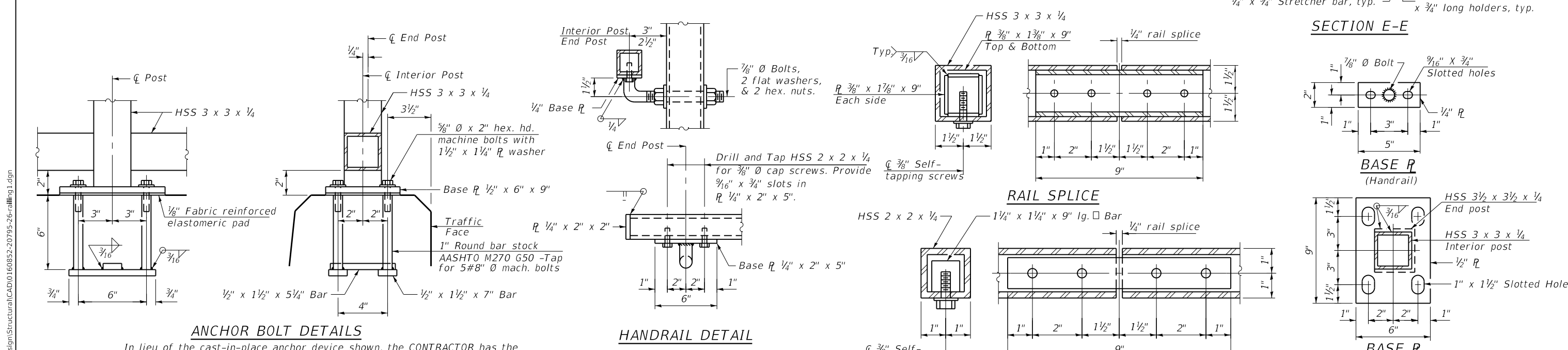
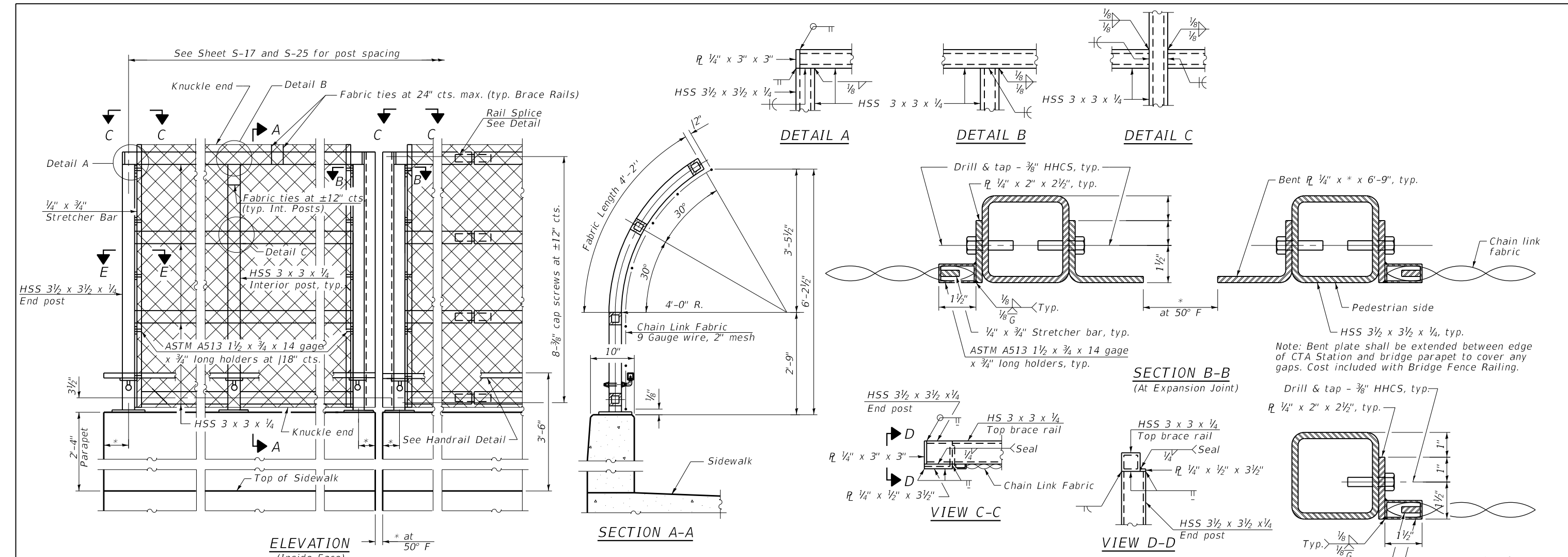
Parapet	A	B
Northwest (NW)	11'-10 1/2"	2 Spa. at 6'-11 1/2" = 13'-10 1/2"
Northeast (NE)	12'-0 3/4"	2 Spa. at 7'-0 3/8" = 14'-0 3/4"
Southeast (SE)	11'-9 3/8"	2 Spa. at 6'-9 1/4" = 13'-9 3/8"



SECTION C-C (Looking East)

FILE NAME: N:\PROJ\020795-01\Design\Structural\CAD\0160852-20795-25-app\Slab2.dgn

FILE NAME: N:\PROJ\020795-01\Design\Structural\CAD\0160852-20795-26-railing.dgn
 8/15/2019 1:52:27 PM



ANCHOR BOLT DETAILS

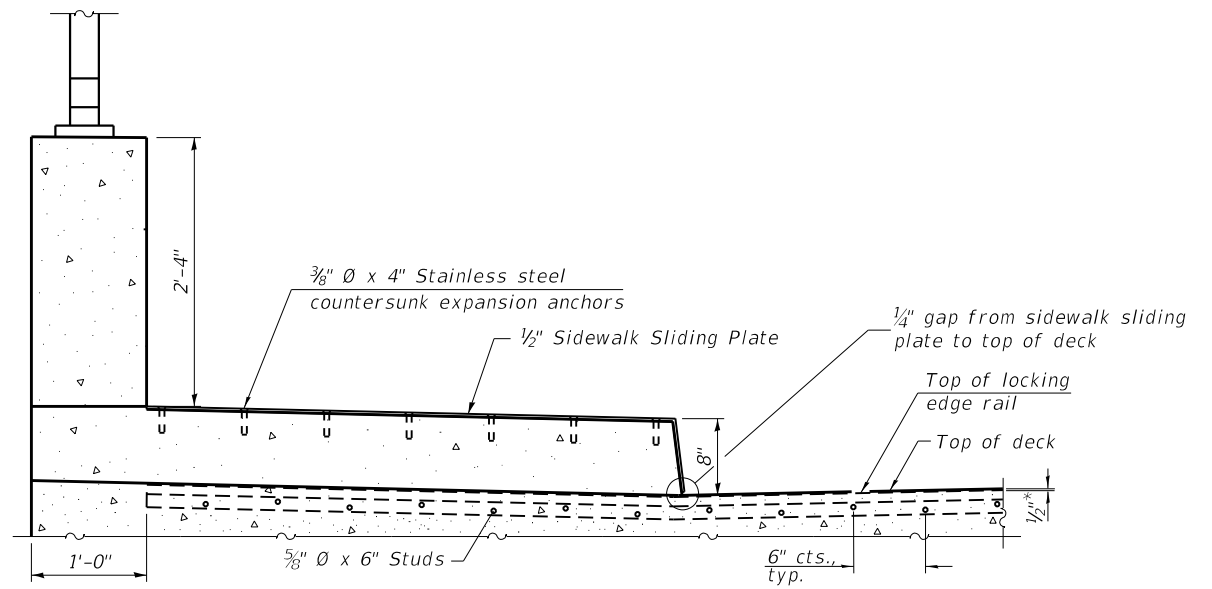
In lieu of the cast-in-place anchor device shown, the CONTRACTOR has the option of drilling and setting $\frac{3}{8}'' \text{ } \phi$ anchor rods according to Article 509.06 of the Standard Specifications. Embedment shall be according to the MANUFACTURER'S specifications.

*Variable - See Sheet S-17 and S-25 (10'-0" Maximum Post Spacing)

NOTE:
1. CVN testing may be omitted for the railing.

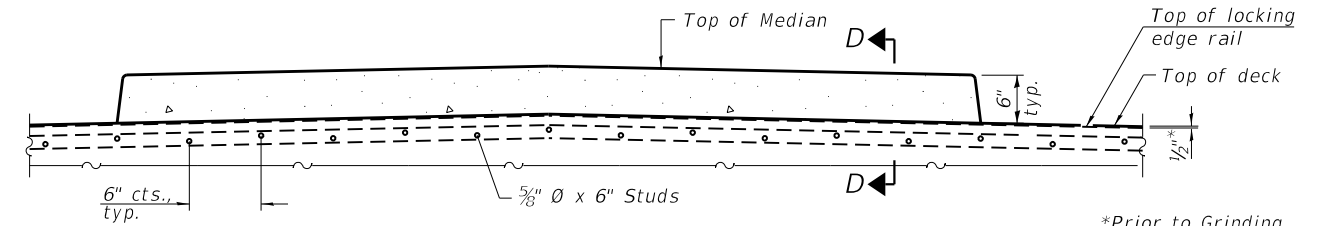
BILL OF MATERIAL

Item	Unit	Quantity
Bridge Fence Railing	Foot	982



ELEVATION AT RAISED SIDEWALK

*Prior to Grinding



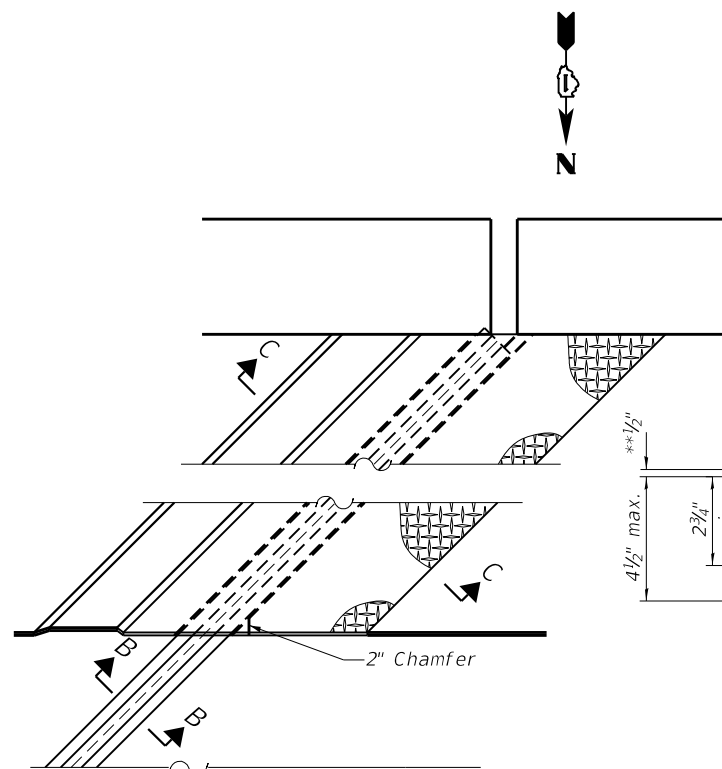
ELEVATION AT MEDIAN

*Prior to Grinding

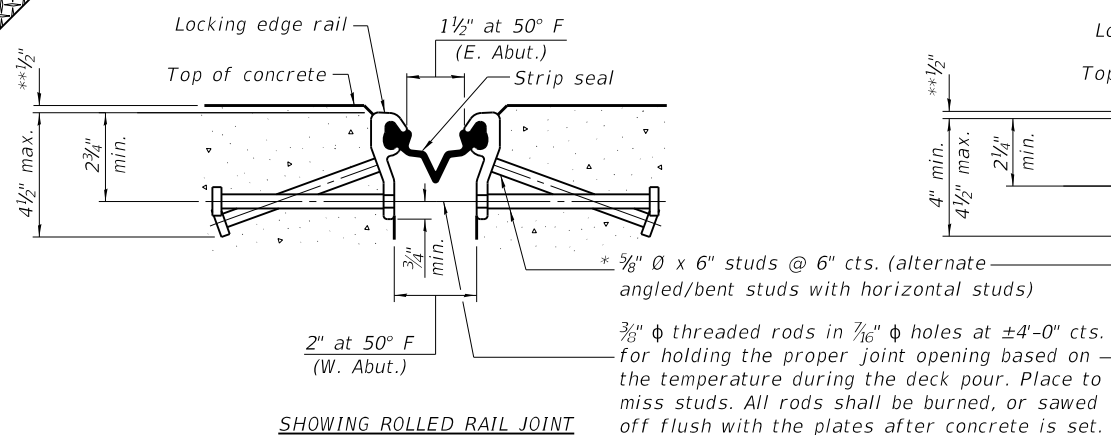
Chamfer acute corners
2" similar to sidewalk.

NOTES:

1. The strip seal shall be made continuous and shall have a minimum thickness of 1/4". 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.
2. 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 4 1/2" maximum depth provided the anchorage system is revised according to the manufacturer's recommendation.
3. The manufacturer's recommended installation methods shall be followed.
4. All steel components shall be galvanized after fabrication according to Article 520.03 of the Standard Specifications.
5. 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.
6. Cost of parapet sliding plates, embedded plates, and anchorage studs included with Preformed Joint Strip Seal.
7. 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.
8. See sheet S-29 for Section C-C, Section D-D, and trimetric view of sidewalk sliding plate.



PLAN AT RAISED SIDEWALK



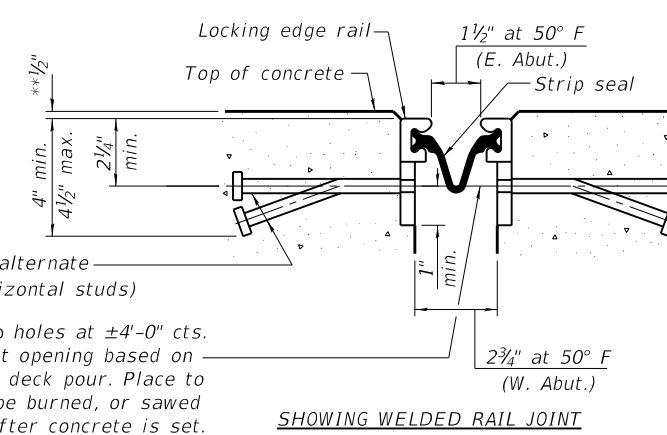
SHOWING ROLLED RAIL JOINT

3/8" φ threaded rods in 7/16" φ 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 B-B

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

**Prior to Grinding

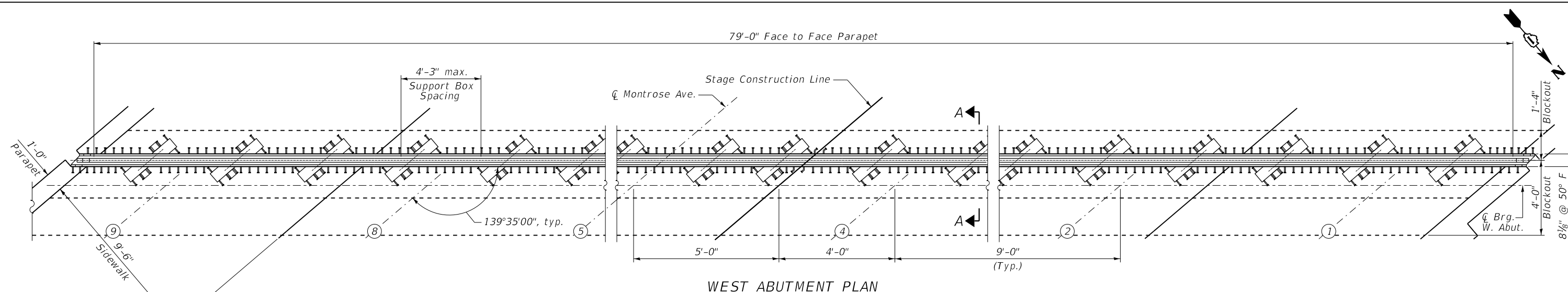


SHOWING WELDED RAIL JOINT

BILL OF MATERIAL

Item	Unit	Total
Preformed Joint Strip Seal	Foot	125

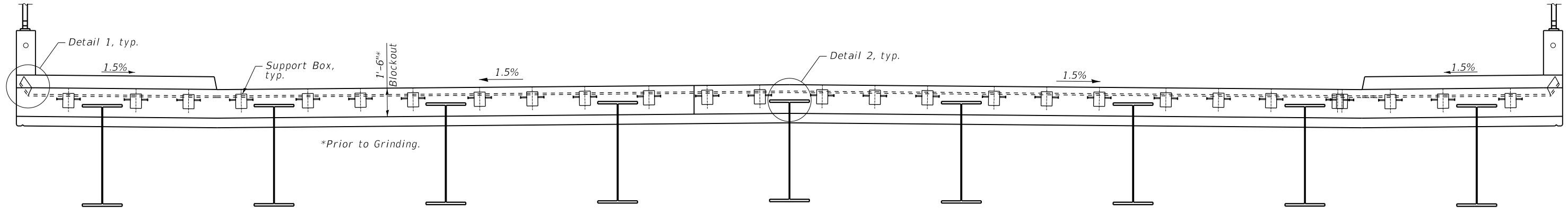
FILE NAME: N:\PROJ\020795-01\Design\Structural\CAD\0160852-20795-27-joint.dgn



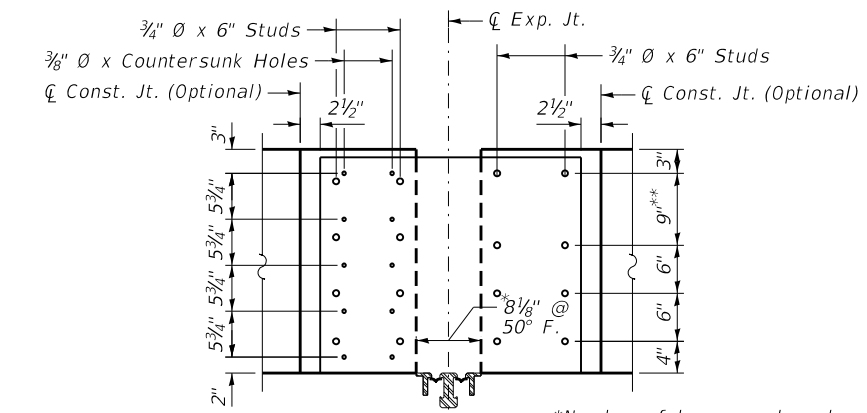
WEST ABUTMENT PLAN

BILL OF MATERIAL

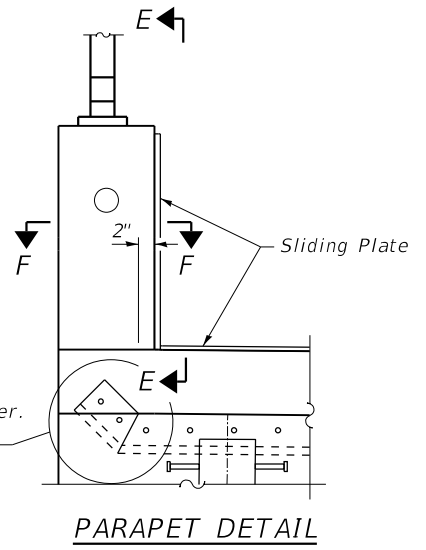
ITEM	UNIT	QUANTITY
Modular Expansion Joint 6"	Foot	125



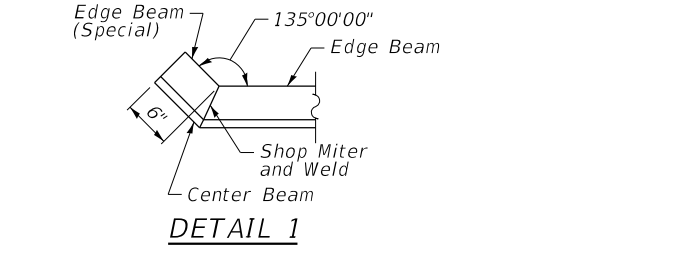
CROSS SECTION
(Looking at West Abutment)



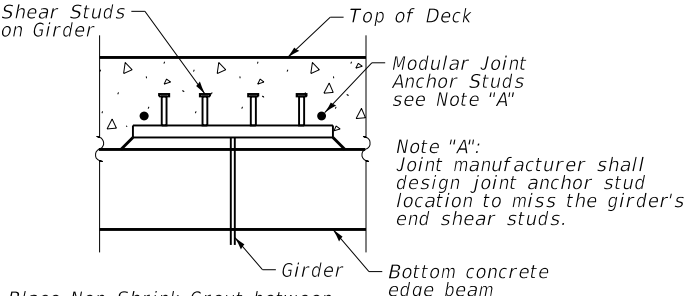
VIEW E-E



PARAPET DETAIL



DETAIL 1



DETAIL 2

NOTES:

1. Modular expansion joint shall be designated according to Section 14 of the 2014 AASHTO specifications for HL-93 truck loading with impact and the Special Provisions.
2. Joint shall be fabricated and installed according to the manufacturer's recommendations and as specified in the special provisions for a modular joint system and as approved by the Engineer.
3. Joint shall be fabricated to conform to the roadway profile and cross-slope.
4. The expansion joint assembly shall be hot dip galvanized in accordance with AASHTO M111 or M232 after fabrication.
5. Modular expansion joints shall be shipped in one piece unless noted.
6. Concrete anchors granular or solid flux filled headed studs attached to the modular expansion joint shall conform to Article 1006.32 of the Standard Specifications, automatically end welded. The cost of the anchor studs shall be included with Modular Expansion Joints, 6". Number and spacing of concrete anchor studs shall be determined by Joint Manufacturer in accordance with Note 1.
7. All splices of center beams and edge beams located in the roadway shall be full penetration welds, (Upturn splices may be partial penetration welds.)
8. See deck reinforcement plan sheet S-15, S-19 and S-20 for bar size, designation and blockout dimensions. The contractor shall refer to the approved joint shop drawings.
9. Sliding plate assemblies as shown shall be provided for the parapets. The cost of furnishing and installing sliding plate assemblies shall be included with Modular Expansion Joint, 6".
10. Coordinate blockout dimensions and pocket locations and reinforcement bar layout with Joint Manufacturer. Blockout area to be poured after expansion assemblies have been adjusted.
11. Modular expansion joints shall be assembled in their final relative position with the ends in place for shop inspection and acceptance.
12. Modular Expansion Joint, 6" shall provide a minimum total movement of 4 1/8".
13. See sheet S-29 for Section A-A and trimetric view of sidewalk sliding plate.

FILE NAME: N:\PROJ\020795-01\Design\Structural\CAD\0160852-20795-28-joint2.dgn

ENGINEERING CONSULTANT

 9725 W. Higgins Road, Suite 600 | Chicago, IL 60631
 P 773.775.4009 | www.ciorba.com

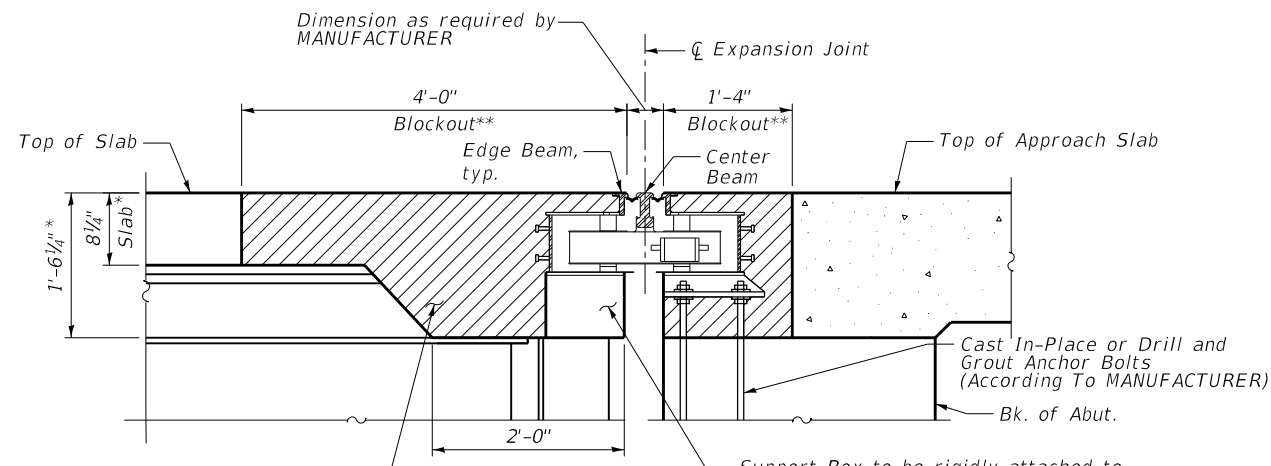
USER NAME =	kcsneros	DESIGNED -	MLK	REVISED -	
PLOT SCALE =	0:2.0000 " / in.	CHECKED -	BS	REVISED -	
PLOT DATE =	8/15/2019	DRAWN -	SBA	REVISED -	
		CHECKED -	BS	REVISED -	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MODULAR EXPANSION JOINT
STRUCTURE NO. 016-0852**

SHEET NO. S-28 OF S-48 SHEETS

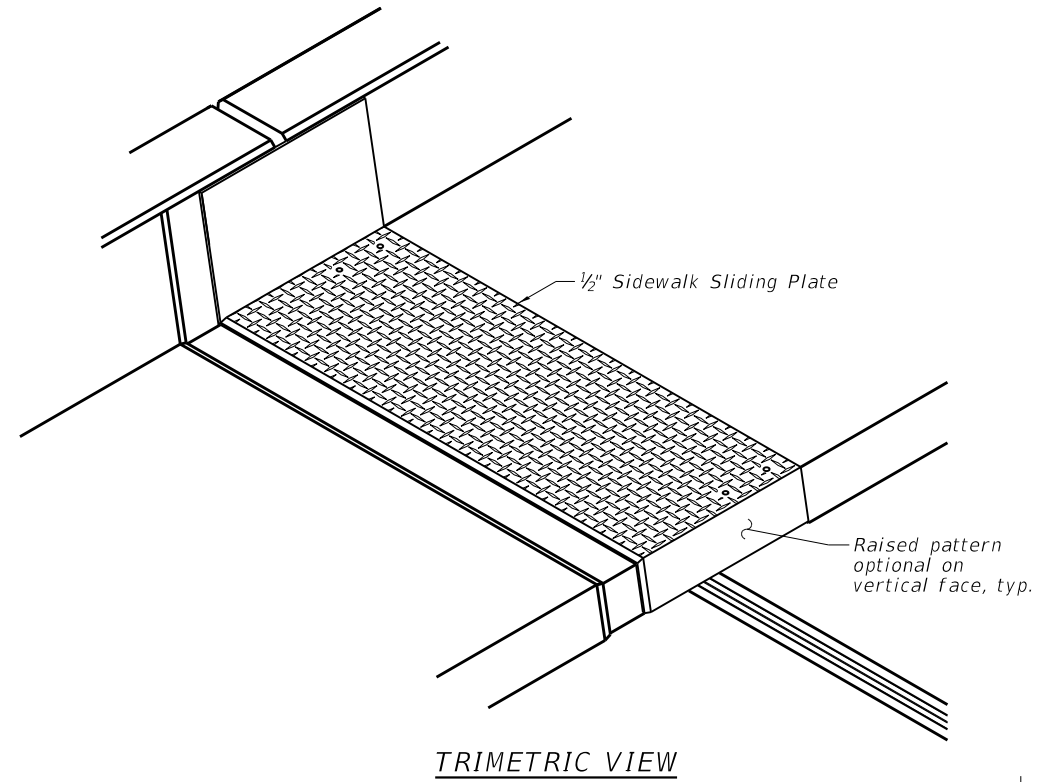
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	267-0101.3-B-R	COOK	120	83
CONTRACT NO. 62F95				
ILLINOIS FED. AID PROJECT NHPX-G1Q(992)				



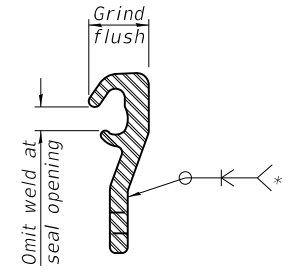
Concrete in blockout shall be poured after the Joint Assembly has been positioned and adjusted. Quantity of concrete is included with "Concrete Superstructure.", typ.

SECTION A-A
(Horiz. dim. at Rt. L's)

*Prior to Grinding.
**Blockout dimensions to be verified by Contractor with Joint Manufacturer.

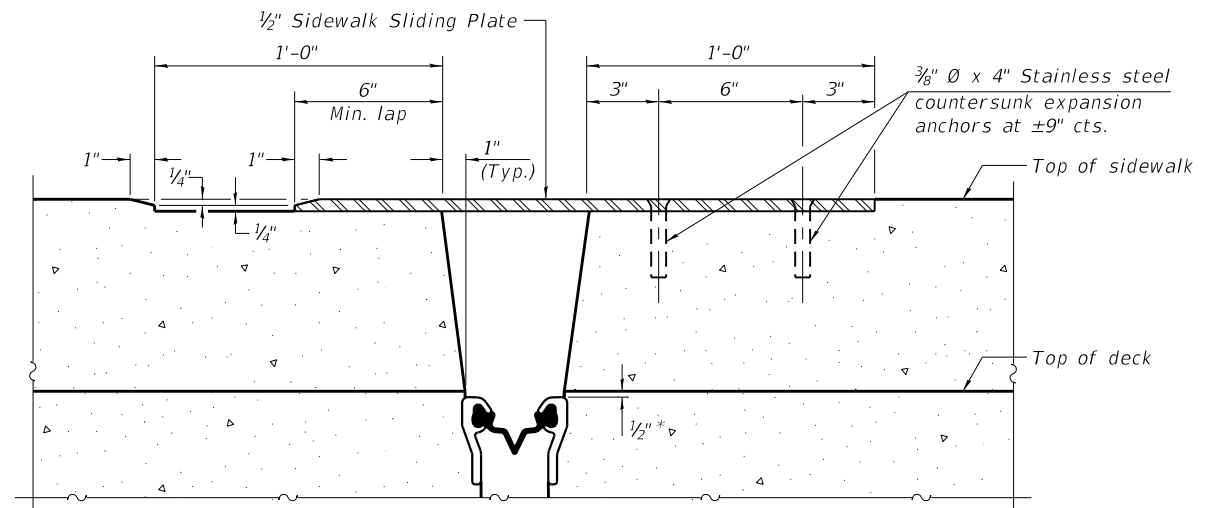


TRIMETRIC VIEW



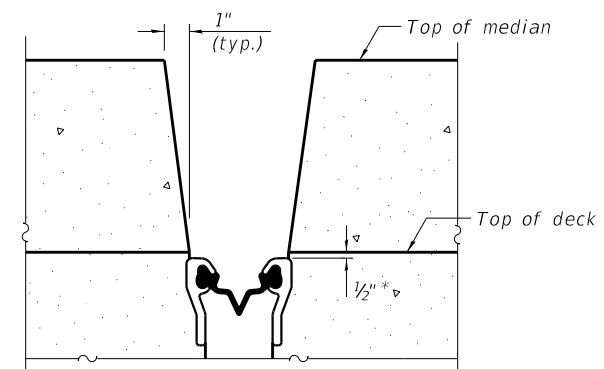
LOCKING EDGE RAIL SPLICE

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



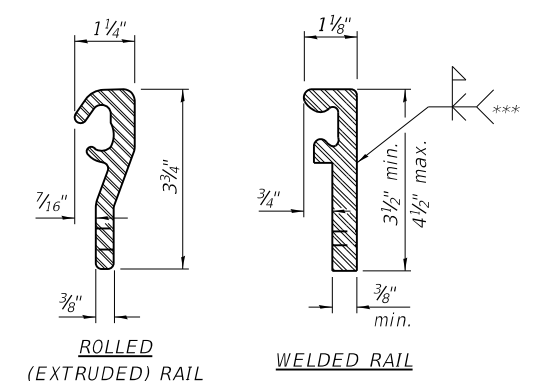
SECTION C-C

(at Rt. L's)
*Prior to Grinding



SECTION D-D

(at Rt. L's)
*Prior to Grinding



LOCKING EDGE RAILS

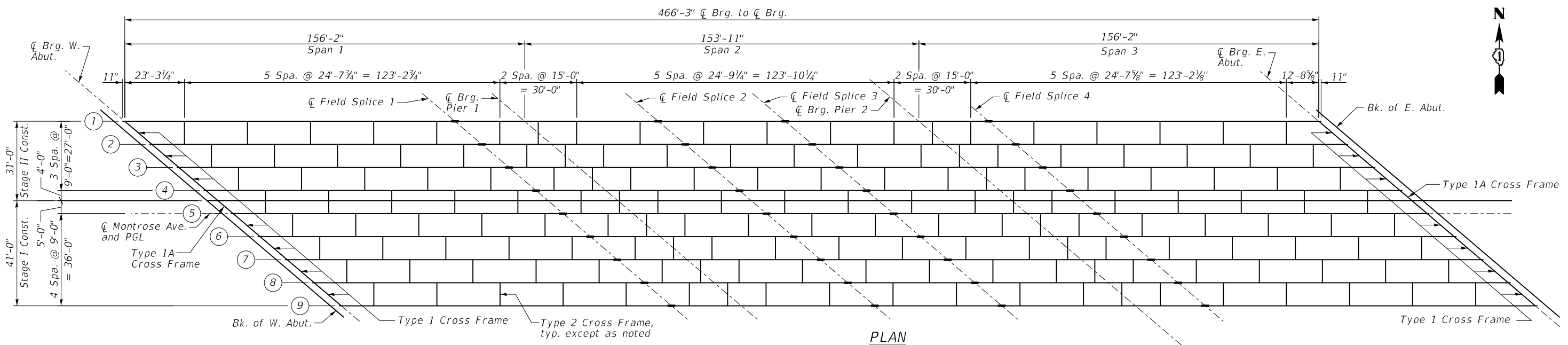
*** Back gouge not required if complete joint penetration is verified by mock-up.

NOTES:

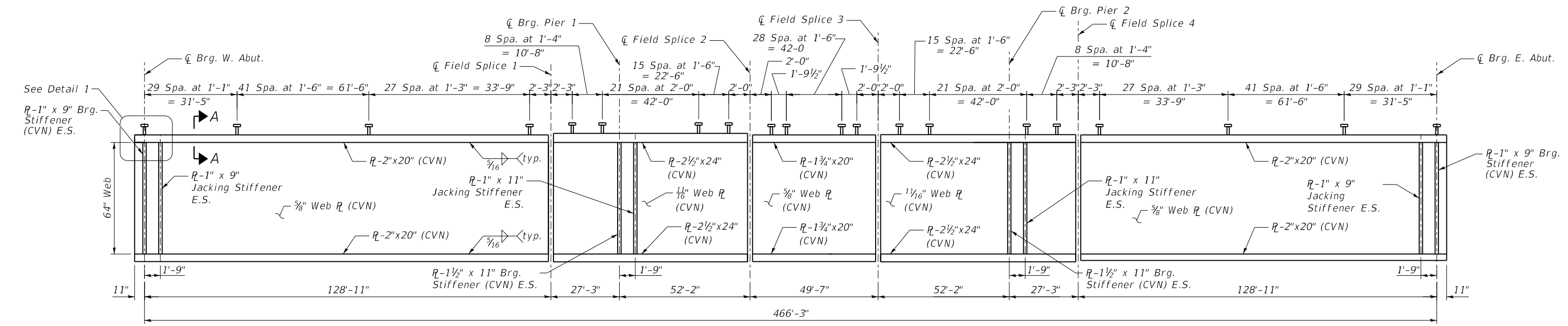
- For preformed joint strip seal notes and details see Sheet S-27.
- For modular expansion joint notes and details see Sheet S-28.

FILE NAME: N:\PROJ\020795-01\Design\Structural\CAD\0160852-20795-29-joint3.dgn

<p>0725 W. Higgins Road, Suite 500 Chicago, IL 60631 P 773.775.4009 www.ciorba.com</p>	USER NAME = kcisneros PLOT SCALE = 0:2,0000 " / in. PLOT DATE = 8/15/2019	DESIGNED - MLK CHECKED - BS DRAWN - SBA CHECKED - BS	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXPANSION JOINT DETAILS STRUCTURE NO. 016-0852	F.A.I. RTE. 94	SECTION 267-0101.3-B-R	COUNTY COOK	TOTAL SHEETS 120	SHEET NO. 84
	SHEET NO. S-29 OF S-48 SHEETS						CONTRACT NO. 62F95			
ILLINOIS FED. AID PROJECT NHPX-G10(992)										



PLAN

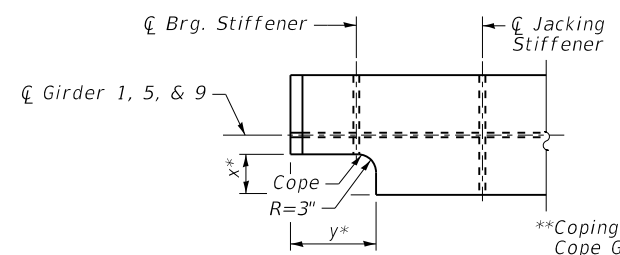


GIRDER ELEVATION

"CVN" denotes Charpy-V-Notch Impact energy requirements, Zone 2.

NOTES:

- All plates of the girders, including bearing stiffeners and splice plates, shall be AASHTO M270, Grade 50.
- All diaphragms shall be installed as steel is erected and secured with erection pins and bolts. Individual diaphragms at supports may be temporarily disconnected to install bearing anchor rods.
- For cross frame details see Sheet S-31.
- For splice details and stiffener details see Sheet S-32.
- All structural steel girders shall be metallized. Cost included with Furnishing and Erecting Structural Steel.
- For Section A-A, see Sheet S-32.
- The CONTRACTOR shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials.

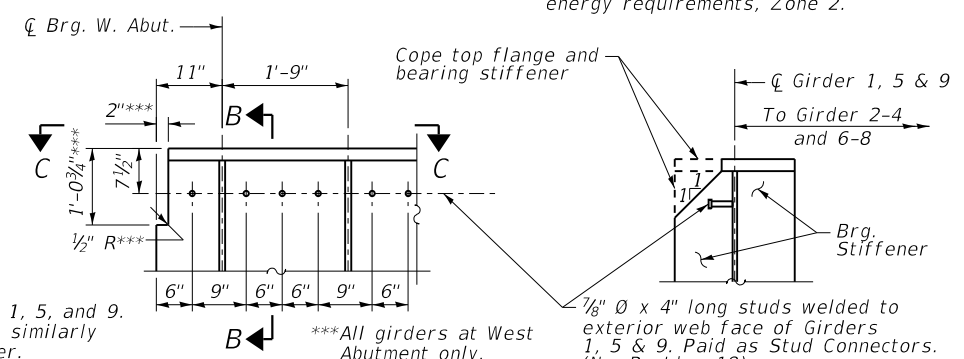


VIEW C-C**

*Cope to clear modular joint box and studs. Steel fabricator to coordinate with modular joint supplier.

**Coping shown for Girders 1, 5, and 9. Cope Girders 2-4 and 6-8 similarly with modular joint supplier.

Flange shear studs not shown. Respace when in conflict with clip. 3" minimum spacing.



DETAIL 1 (GIRDER 1, 5, & 9)

SECTION B-B

FILE NAME: N:\PROJ\020795-01\Design\Structural\CAD\0160852-20795-30-Framing.dgn



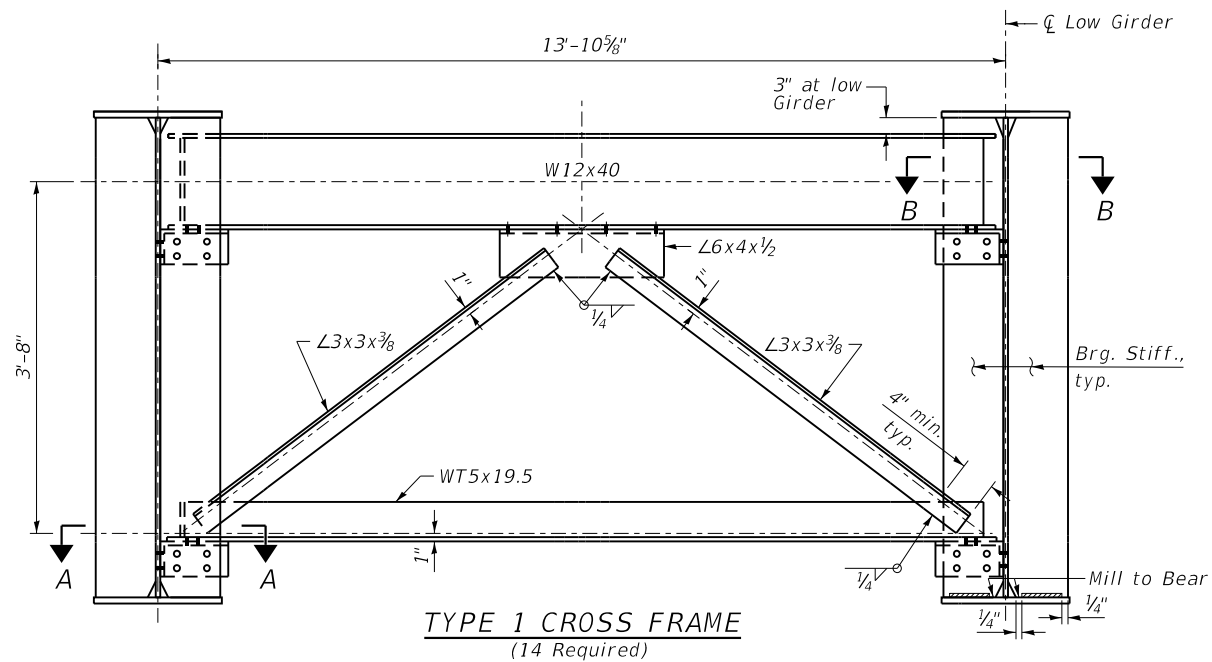
ENGINEERING CONSULTANT	USER NAME = Structural	DESIGNED - MLK	REVISED -
		CHECKED - BS	REVISED -
	PLOT SCALE = 0:2,0000 "/in.	DRAWN - SBA	REVISED -
	PLOT DATE = 09/19/19	CHECKED - BS	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

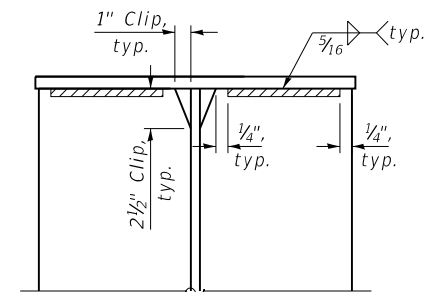
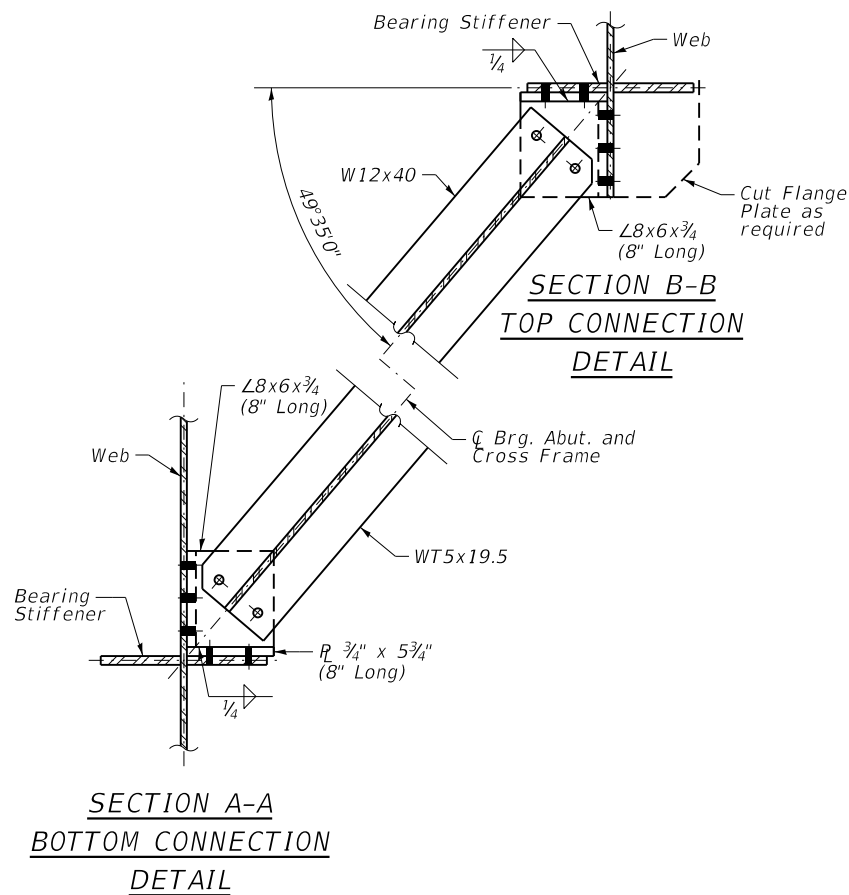
FRAMING PLAN
STRUCTURE NO. 016-0852

SHEET NO. S-30 OF S-48 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	267-0101.3-B-R	COOK	120	85
CONTRACT NO. 62F95				
ILLINOIS FED. AID PROJECT NHPP-XG1Q(992)				

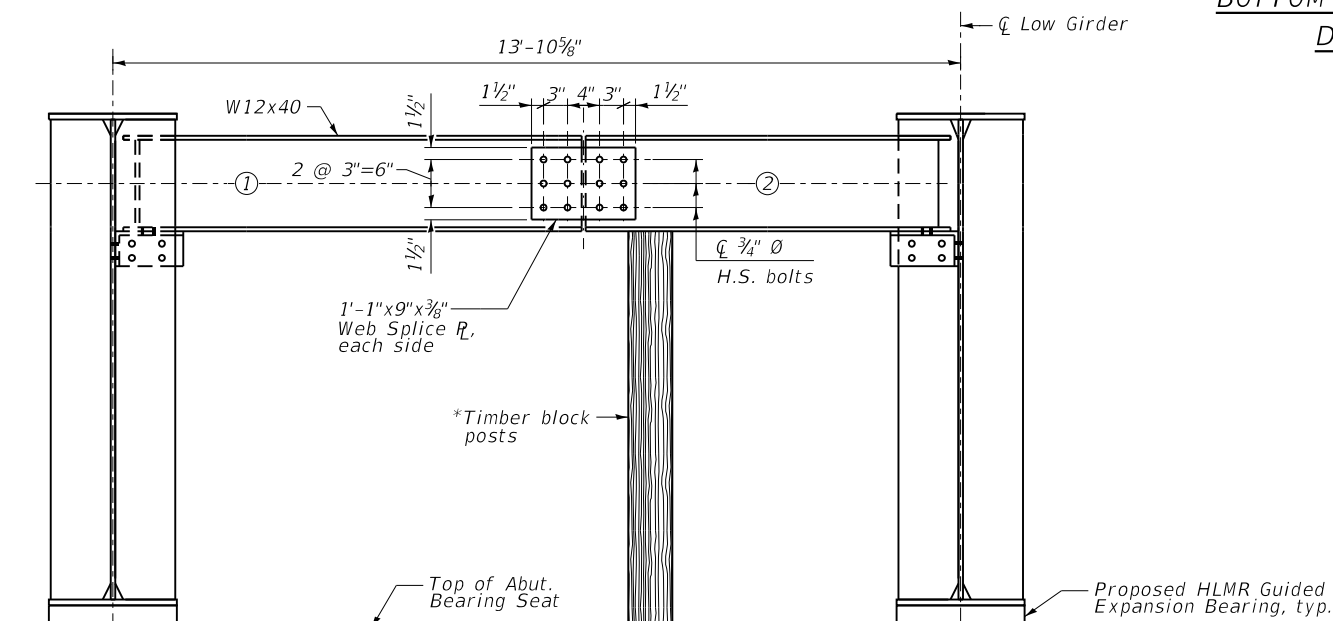


Place cross frame with outstanding angle legs outward from abutment backwall



NOTES:

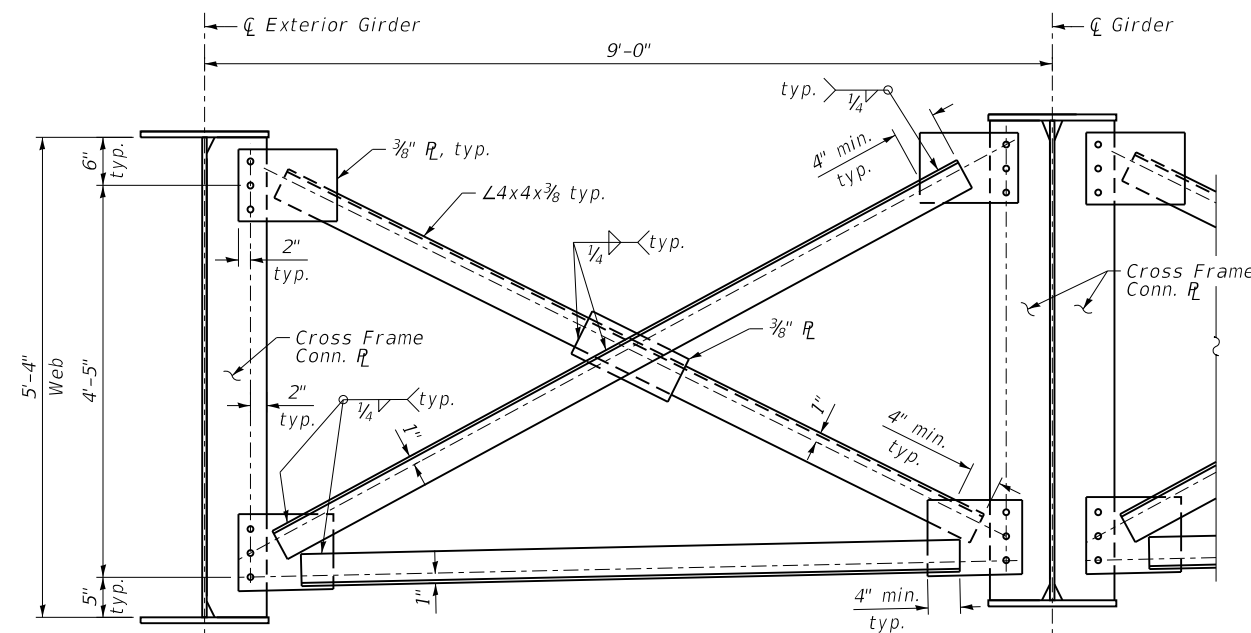
- All cross frames members shall be AASHTO M270 Grade 50.
- All cross frames or diaphragms between beams or girders shall be installed with erection pins and bolts in accordance with the erection plan approved by the Engineer. Individual cross frames or diaphragms at supports may be temporarily disconnected to install bearing anchor rods.
- Bolts for cross frame connections shall be 3/4" Ø, holes 1 1/16" Ø. Two hardened washers required for each set of oversized holes.
- All structural steel shall be hot dip galvanized or metallized. Cost included with Furnishing and Erecting Structural Steel.
- For more information on Detail 1 see Sheet S-32.



*Cost of Timber Block Posts is included with Furnishing and Erecting Structural Steel

STAGE CONSTRUCTION SEQUENCE

- Order Top Chord in two sections.
- Attach section ① of Top Chord to Girder.
- Place Timber Block Posts between section ① of Top Chord and abutment bearing section.
- Attach section ② of diaphragm to both Girder and section ① of Top Chord during Stage II Construction with splice plates.
- Attach diagonal truss and bottom chord elements as shown in Type 1 Cross Frame.
- Remove Timber Block Posts.



TYPE 2 CROSS FRAME
(160 Required)

FILE NAME: N:\PROJ\020795-01\Design\Structural\CAD\0160852-20795-31-steel\details1.dgn

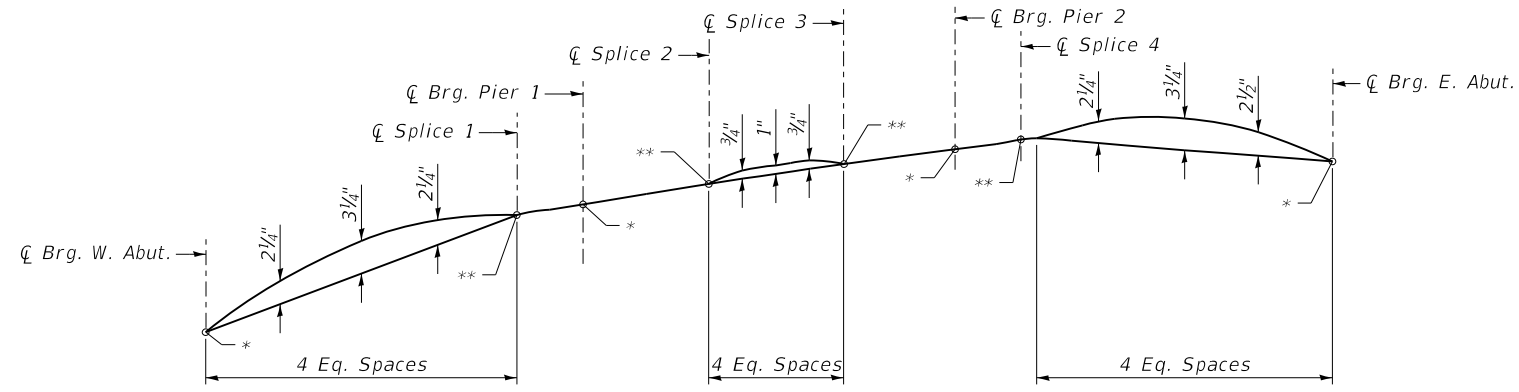
<p>ENGINEERING CONSULTANT</p> <p>9125 W. Higgins Road, Suite 600 Chicago, IL 60631 P 773.775.4009 www.ciorba.com</p>	USER NAME =	Structural	DESIGNED -	MLK	REVISED -	
			CHECKED -	BS	REVISED -	
	PLOT SCALE =	0:2.0000" / in.	DRAWN -	SBA	REVISED -	
	PLOT DATE =	09/19/19	CHECKED -	BS	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STRUCTURAL STEEL DETAILS 1
STRUCTURE NO. 016-0852

SHEET NO. S-31 OF S-48 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	267-0101.3-B-R	COOK	120	86
CONTRACT NO. 62F95				
ILLINOIS FED. AID PROJECT NHPP-XG1Q(992)				

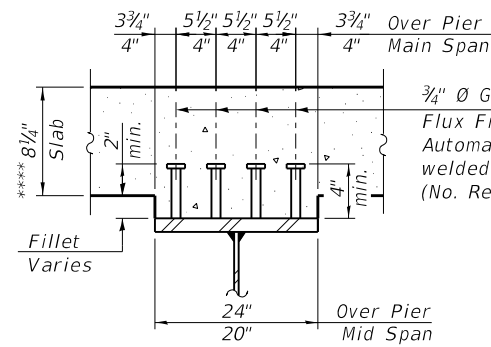


CAMBER DIAGRAM

* See Table for Final Top of Web Elevations at Abutments and Pier.
 ** Theoretical Top of Web Elevations before Dead Load Deflections.

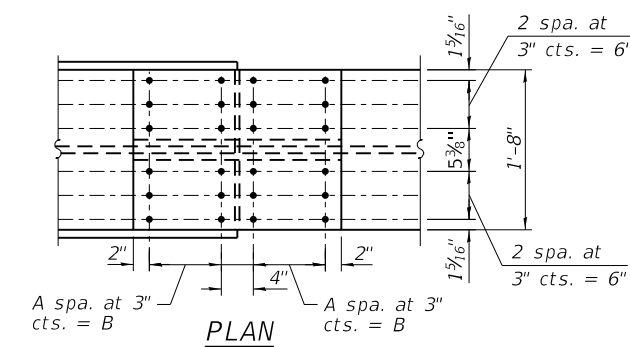
TOP OF WEB ELEVATIONS
 (For Fabrication Use Only)

Girder No.	Brg. W. Abut.	Field Splice 1	Brg. Pier 1	Field Splice 2	Field Splice 3	Brg. Pier 2	Field Splice 4	Brg. E. Abut.
1	606.18	607.29	607.42	607.65	607.87	608.09	608.20	608.22
2	606.43	607.50	607.62	607.84	608.05	608.25	608.35	608.34
3	606.67	607.70	607.81	608.03	608.22	608.40	608.50	608.45
4	606.91	607.91	608.01	608.21	608.38	608.55	608.64	608.56
5	607.14	608.11	608.20	608.38	608.54	608.70	608.79	608.66
6	607.11	608.03	608.12	608.29	608.43	608.58	608.66	608.50
7	607.07	607.96	608.04	608.19	608.32	608.46	608.52	608.33
8	607.02	607.88	607.95	608.09	608.21	608.33	608.39	608.16
9	606.98	607.80	607.86	607.98	608.09	608.20	608.25	607.98

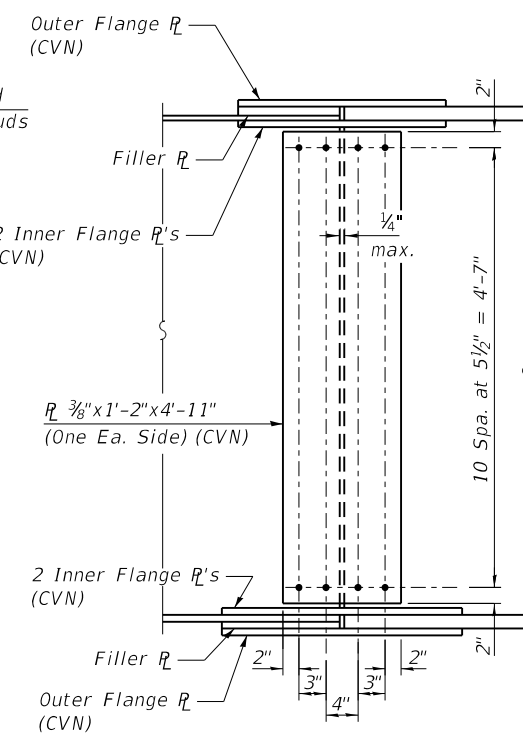


SECTION A-A

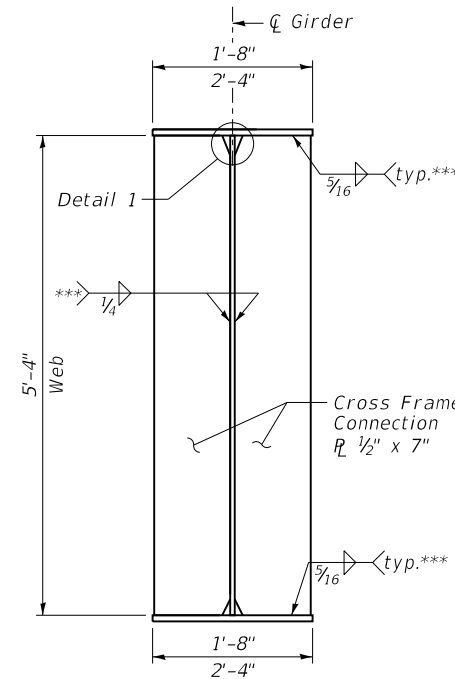
****Prior to Grinding



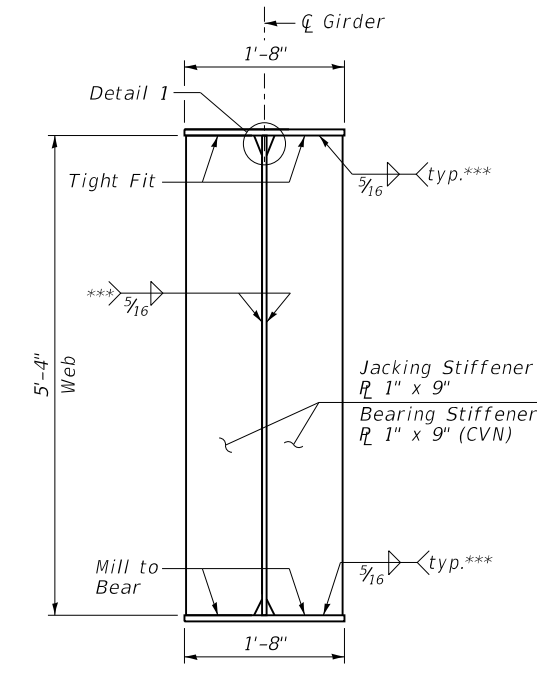
PLAN



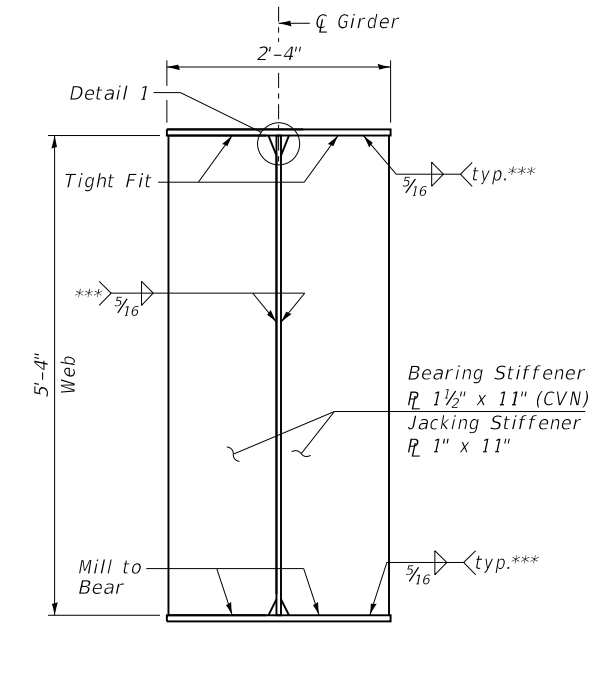
ELEVATION



CONNECTION PLATE DETAIL
 Use with Type 2 Cross Frame



BEARING AND JACKING STIFFENER AT W. ABUT. AND E. ABUT.
 Use with Type 1 and Type 1A Cross Frames



BEARING AND JACKING STIFFENER AT PIER 1 AND PIER 2

*** Terminate weld 1/4\"/>

TABLE OF FIELD SPLICE DATA

Splice	Top Flange						Bottom Flange					
	Outer Flange R	Inner Flange R	Fill R	A	B	No. Bolts	Outer Flange R	Inner Flange R	Fill R	A	B	No. Bolts
1	1 1/8\"/>											

NOTES:

- CVN denotes Charpy V-Notch Impact Energy Requirements, Zone 2.
- All splice plates shall be AASHTO M270 Grade 50.
- For Detail 1 see Sheet S-31.
- All structural steel shall be hot dip galvanized or metallized. Cost included with Furnishing and Erecting Structural Steel.

FILE NAME: N:\PROJ\020795-01\Design\Structural\CAD\0160852-20795-32-steel\details2.dgn

GIRDER MOMENT TABLE

		0.4 Sp. 1 or 0.6 Sp. 3		Pier		0.5 Sp. 2	
		Interior	Exterior	Interior	Exterior	Interior	Exterior
I_s	(in ⁴)	100,800		147,749		86,594	
$I_c(n)$	(in ⁴)	185,917		---		163,994	
$I_c(3n)$	(in ⁴)	142,743		---		126,310	
$I_c(cr)$	(in ³)	-		160,232		-	
S_s	(in ³)	2,965		4,283		2,566	
$S_c(n)$	(in ³)	3,539		---		3,054	
$S_c(3n)$	(in ³)	3,308		---		2,870	
$S_c(cr)$	(in ³)	---		4,405		---	
S_{xc}	(in ³)	3,379		4,377		3,024	
DC1	(k/')	1.74	1.74	1.89	1.89	1.68	1.68
*M _{DC1}	(k)	2,873	2,873	4,102	4,102	568	568
DC2	(k/')	0.50	0.50	0.50	0.50	0.5	0.5
**M _{DC2}	(k)	945	945	1,296	1,296	180	180
DW	(k/')	0.33	0.33	0.33	0.33	0.33	0.33
M _{DW}	(k)	630	630	864	864	120	120
LLDF		0.628	---	0.645	---	0.623	---
***M _{LL+IM}	(k)	2,613	1703	2,816	2165	2037	1241
f_t (Strength I)	(ksi)	10	10	10	10	10	10
$M_u + 1/3f_t S_{xc}$	(k)	11,229	9,636	14,187	13,048	5,520	4,127
$\phi_r M_n$	(k)	13,685		---		12,916	
f_s DC1	(ksi)	11.6	11.6	11.5	11.5	2.7	2.7
f_s DC2	(ksi)	3.4	3.4	3.5	3.5	0.8	0.8
f_s DW	(ksi)	2.3	2.3	2.4	2.4	0.5	0.5
f_s LL+I	(ksi)	8.9	5.8	7.7	5.9	8.0	4.9
$f_s + f_t/2$ (Service II)	(ksi)	33.9	29.8	32.4	30.0	19.3	15.2
$0.95R_n F_y f$	(ksi)	47.5	47.5	47.5	47.5	47.5	47.5
$f_s + f_t/3$ (Total) (Strength I)	(ksi)	---	---	39.1	36.0	---	---
$\phi_r F_n$	(ksi)	---	---	50	50	---	---
V_f	(k)	77.6	0.0	---	---	53.9	0.0

GIRDER REACTION TABLE

		Abut.		Pier	
		Interior	Exterior	Interior	Exterior
LLDF		1.003	---	0.884	---
OCF		---	1.135	---	---
*R _{DC1}	(k)	96.0	96.0	275.0	275.0
**R _{DC2}	(k)	31.0	31.0	86.0	86.0
R _{DW}	(k)	21.0	21.0	58.0	58.0
***R _{LL}	(k)	112.0	50.0	223.0	136.0
R _{im}	(k)	22.0	0.0	39.0	0.0
R _{total}	(k)	282.0	198.0	681.0	555.0

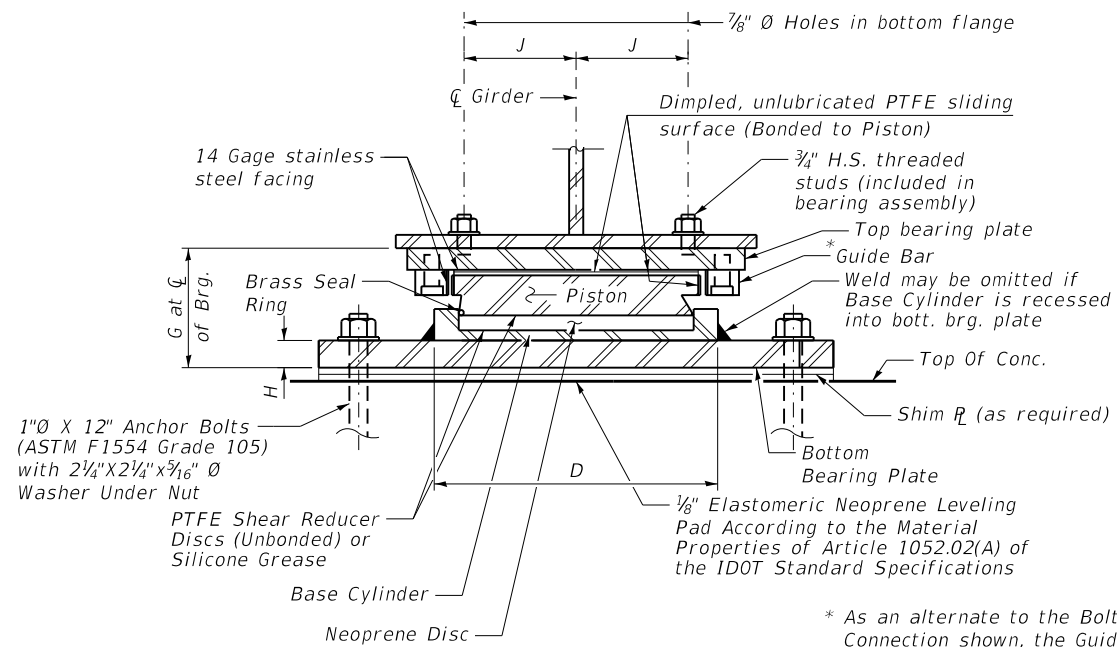
*Load allowance includes 0.05 k/' for utilities under bridge, 15% miscellaneous steel weight, and additional concrete below sidewalk distributed to all girders.
 **Load allowance includes two 10.5' sidewalks and accompanying parapets distributed evenly to three exterior girders on each side.
 ***Load allowance accounts for interior girder HL-93 loading and exterior girder pedestrian loading.

I_s, S_s : Non-composite moment of inertia and section modulus of the steel section used for computing f_s (Total-Strength I, and Service II) due to non-composite dead loads (in⁴ and in³).
 $I_c(n), S_c(n)$: Composite moment of inertia and section modulus of the steel and deck based upon the modular ratio, "n", used for computing f_s (Total-Strength I, and Service II) in uncracked sections, due to short-term composite live loads (in⁴ and in³).
 $I_c(3n), S_c(3n)$: Composite moment of inertia and section modulus of the steel and deck based upon 3 times the modular ratio, "3n", used for computing f_s (Total-Strength I, and Service II) in uncracked sections, due to long-term composite (superimposed) dead loads (in⁴ and in³).
 $I_c(cr), S_c(cr)$: Composite moment of inertia and section modulus of the steel and longitudinal deck reinforcement, used for computing f (Total-Strength I and Service II) in cracked sections, due to both short-term composite live loads and long-term composite (superimposed) dead loads (in⁴ and in³).
 S_{xc} : Section modulus about the major axis of section to the controlling flange, tension or compression, taken as yield moment with respect to the controlling flange over the yield strength of the controlling flange (in³).
 DC1: Un-factored non-composite dead load (kips/ft.).
 M_{DC1}: Un-factored moment due to non-composite dead load (kip-ft.).
 DC2: Un-factored long-term composite (superimposed excluding future wearing surface) dead load (kips/ft.).
 M_{DC2}: Un-factored moment due to long-term composite (superimposed excluding future wearing surface) dead load (kip-ft.).
 DW: Un-factored long-term composite (superimposed future wearing surface only) dead load (kips/ft.).
 M_{DW}: Un-factored moment due to long-term composite (superimposed future wearing surface only) dead load (kip-ft.).
 M_{LL+IM}: Un-factored live load moment plus dynamic load allowance (impact) ((kip-ft.).

M_u (Strength I): Factored design moment (kip-ft.).
 $1.25 (M_{DC1} + M_{DC2}) + 1.5 M_{DW} + 1.75 M_{LL+IM}$
 f_t : Factored calculated normal stress at edge of flange for controlling flange plate due to lateral bending, Strength I or Strength II as applicable (kip-ft.).
 $\phi_r M_n$: Compact composite moment capacity computed according to Article 6.10.7.1 or non-slender negative moment capacity according to Article 6.10.8.1.
 f_s DC1: Un-factored stress at edge of flange for controlling steel flange due to vertical non-composite dead loads as calculated below (ksi).
 M_{DC1} / S_{nc}
 f_s DC2: Un-factored stress at edge of flange for controlling steel flange due to vertical composite dead loads as calculated below (ksi).
 $M_{DC2} / S_c(3n)$ or $M_{DC2} / S_c(cr)$ as applicable.
 f_s DW: Un-factored stress at edge of flange for controlling steel flange due to vertical composite future wearing surface loads as calculated below (ksi).
 $M_{DW} / S_c(3n)$ or $M_{DW} / S_c(cr)$ as applicable.
 f_s (LL+IM): Un-factored stress at edge of flange for controlling steel flange due to vertical composite live plus impact loads as calculated below (ksi).
 $M_{LL+IM} / S_c(n)$ or $M_{LL+IM} / S_c(cr)$ as applicable.
 $f_s + f_t/2$ (Service II): Sum of stresses as computed below (ksi).
 $f_{SDC1} + f_{SDC2} + f_{SDW} + 1.3 f_s (LL+IM) + f_t / 2$
 $0.95R_n F_y f$: Composite stress capacity for Service II loading according to Article 6.10.4.2 (ksi).
 $f_s + f_t/3$ (Total)(Strength I): Sum of stresses as computed below on non-compact section (ksi).
 $1.25 (f_{SDC1} + f_{SDC2}) + 1.5 f_{SDW} + 1.75 f_s (LL+IM) + f_t$

$\phi_r F_n$: Non-Compact composite positive or negative stress capacity for Strength I loading according to Article 6.10.7 or 6.10.8 (ksi).
 V_f : Maximum factored shear range in span computed according to Article 6.10.10.
 LLDF: Live Load Distribution Factor
 OCF: Obtuse Correction Factor

FILE NAME: N:\PROJ\020795-01\Design\Structural\CAD\0160852-20795-3-3-design\table.dgn



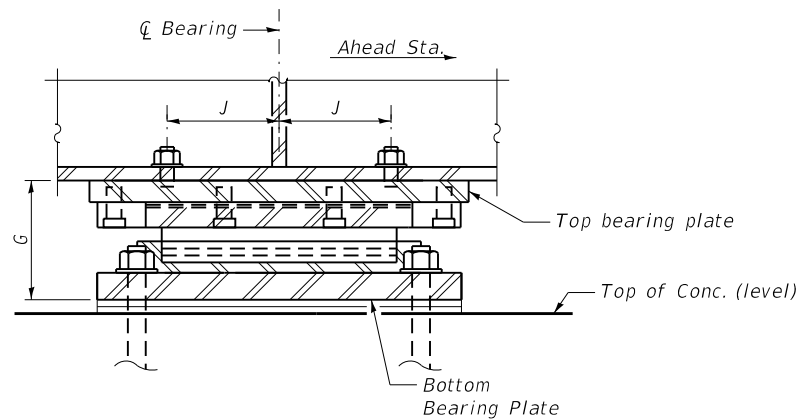
SECTION A-A

1"Ø X 12" Anchor Bolts (ASTM F1554 Grade 105) with 2½" X 2¼" X 5/16" Ø Washer Under Nut

PTFE Shear Reducer Discs (Unbonded) or Silicone Grease

Neoprene Disc

* As an alternate to the Bolted Connection shown, the Guide Bars may be connected to the Top Bearing Plate by groove welds or the Guide Bars and Top Bearing Plate may be fabricated as a single piece.

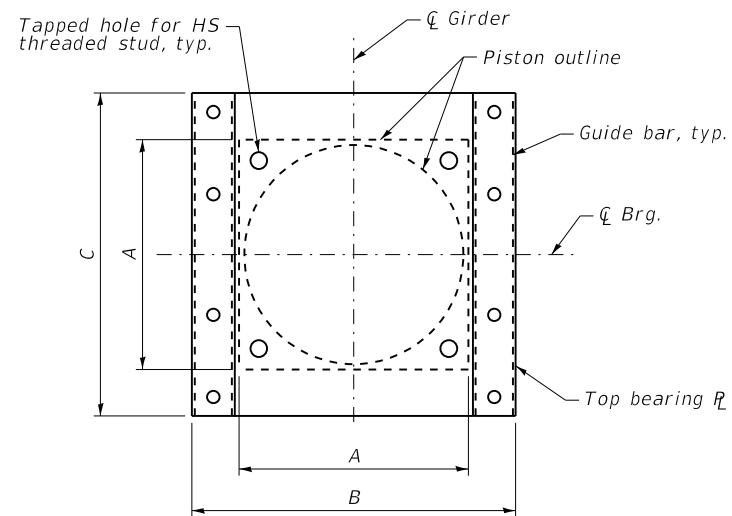


SECTION B-B

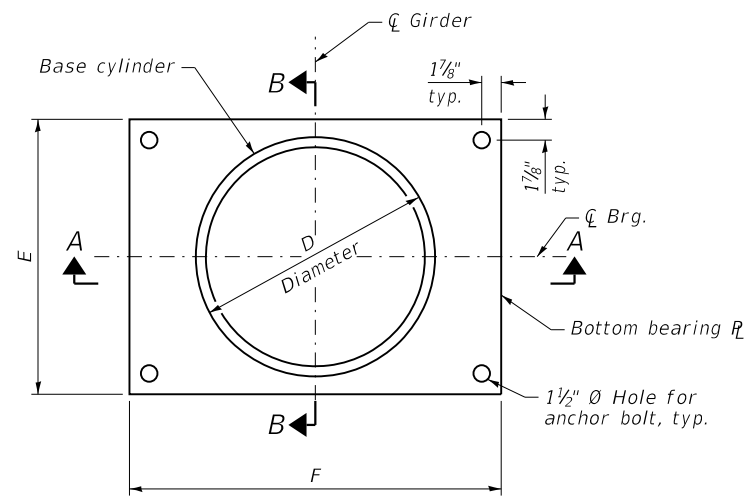
BEARING DESIGN DATA

Location	Vert. Design Loads** (kips)	Hu. Horiz. Design Loads** (kips)	Øu. Required Rotation Range*** (radians)	Max. Theor. Thermal Mvmt. **** from 50° F
W. Abut	282	57	0.03	3 1/8"
Pier 1	681	137	0.02	7/8"
E. Abut	282	57	0.03	1 3/8"

** Design loads are the governing service loads with no dynamic load allowance.
 *** Rotation allowances for fabrication tolerances (0.005 radians), installation uncertainties (0.005 radians) are excluded.
 **** Total required movement is based on one way expansion (or contraction) of the superstructure parallel along the centerline of girder when bearings are set at 50°F. Bearing movement tolerances are excluded.



TOP BEARING PL AND PISTON PLAN



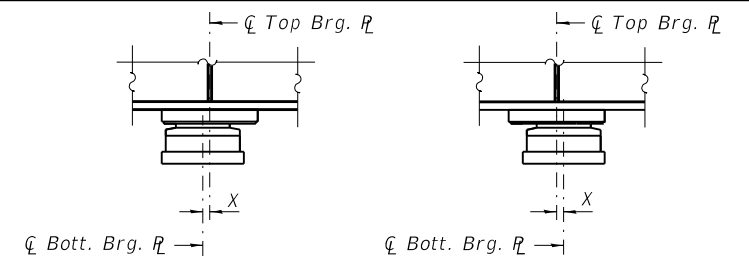
BOTTOM BEARING PL AND BASE CYLINDER PLAN

HLMR BEARING ASSEMBLY TABLE

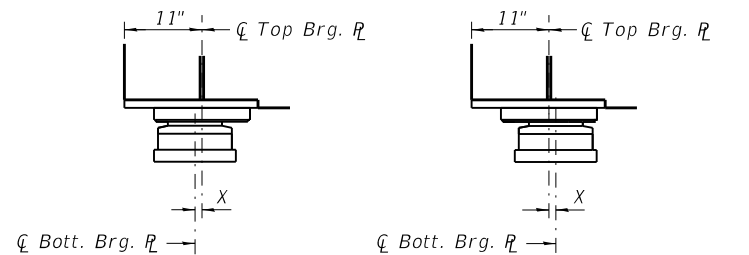
LOCATION	A	B	C	D	E	F	G	H	J
W. ABUT.	1'-0 1/2"	1'-6"	1'-2 3/4"	1'-0 1/2"	1'-4"	2'-5 3/4"	7 3/4"	2"	4 3/4"
PIER 1	1'-7"	2'-1"	1'-9 1/2"	1'-7"	2'-0"	2'-9 3/4"	10 7/8"	3 1/2"	7"
E. ABUT.	1'-0 1/2"	1'-6"	1'-2 3/4"	1'-0 1/2"	1'-4"	2'-5 3/4"	7 3/4"	2"	4 3/4"

FILL PLATE TABLE

Girder No.	Total Thickness		
	W. Abut.	Pier 1	E. Abut.
1	0	0	1/8"
2	1/8"	1/8"	0
3	1/8"	1/4"	1/8"
4	1/8"	3/8"	1/8"
5	0"	1/8"	1/4"
6	1/2"	1/8"	1/4"
7	1/8"	1/8"	1/8"
8	1/2"	3/8"	1/8"
9	0	1/4"	0



Below 50°F (Move bott. brg. away from fixed brg.)
 Above 50°F (Move bott. brg. toward fixed brg.)
SETTING ANCHOR BOLTS AT PIER EXP. BRG.
 (Looking North)
 X = 1/8" per each 100' of expansion for every 15° temp. change from the normal temp. of 50°F.



Below 50°F (Move bott. brg. away from fixed brg.)
 Above 50°F (Move bott. brg. toward fixed brg.)
SETTING ANCHOR BOLTS AT ABUTMENT EXP. BRG.
 (Looking North for W. Abut.)
 (Looking South for E. Abut.)
 X = 1/8" per each 100' of expansion for every 15° temp. change from the normal temp. of 50°F.

NOTES:

- All steel for Bearings shall conform to the requirements of AASHTO M270 grade 50, unless otherwise noted.
- Anchor bolts shall be ASTM F1554 all-thread (or an ENGINEER-approved alternate material) of the grade(s) and diameter(s) specified. The corresponding specified grade of AASHTO M314 Anchor Bolts may be used in lieu of ASTM F1554.
- Total bearing height (th) is estimated based on manufacturer data. Actual Bearing height may differ from contract plans. The CONTRACTOR shall be responsible for verifying bearing heights and adjusting seat elevations with approval of engineer, if required, prior to placing pier concrete. Total bearing height is taken at the Ø of bearing for beveled top plates.
- Two 1/8 in. adjusting shims shall be provided for each bearing in addition to all other plates or shims and placed as shown on bearing details.
- Girder 1 and 9 Guided Expansion Bearings shall provide a minimum total movement of 3/16" transverse to the centerline of the girder.
- All bearing plates, side retainers, anchor bolts, nuts, washers, and pintles shall be galvanized according to AASHTO M111 or M232 as applicable.

TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
High Load Multi-Rotational Bearings, Guided Expansion, 300k	Each	18
High Load Multi-Rotational Bearings, Guided Expansion, 750k	Each	9
Anchor Bolts, 1"	Each	108

FILE NAME: N:\PROJ\10020795-01\Design\Structural\CAD\0160852-20795-34-bearingdetails1.dgn



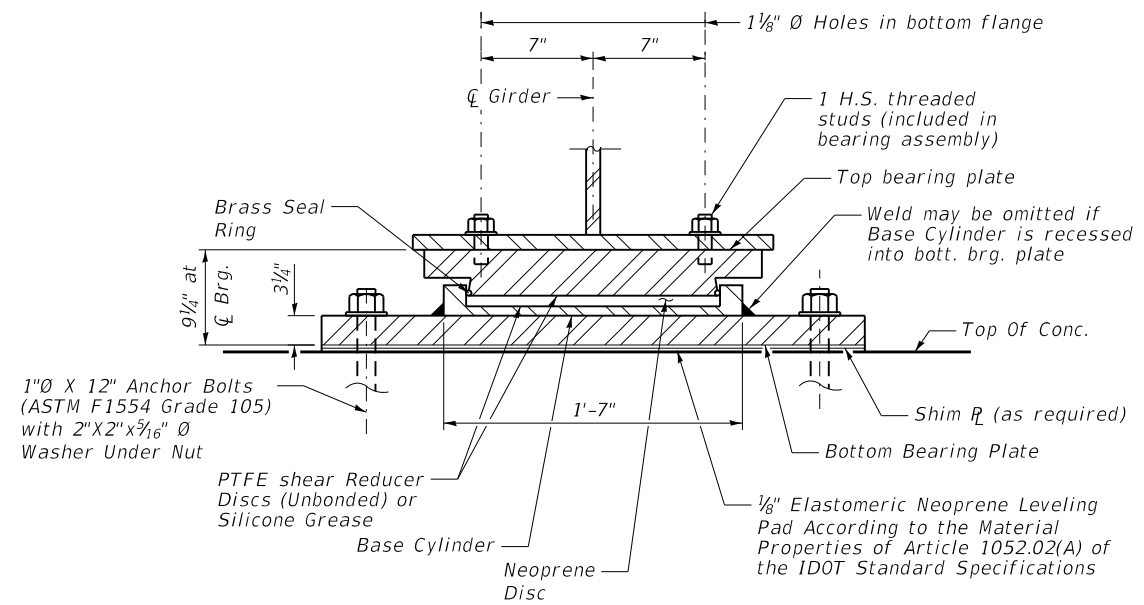
ENGINEERING CONSULTANT	USER NAME = kcisneros	DESIGNED - MLK	REVISED -
		CHECKED - BS	REVISED -
	PLOT SCALE = 0:2.0000 "/in.	DRAWN - SBA	REVISED -
	PLOT DATE = 8/15/2019	CHECKED - BS	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

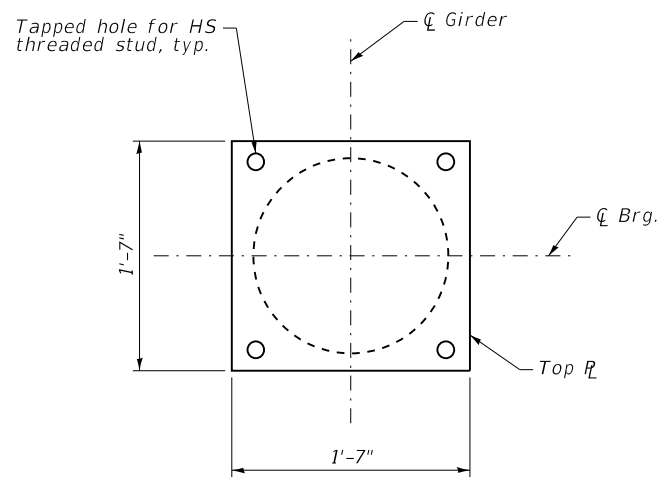
HLMR GUIDED EXPANSION BEARING DETAILS
 STRUCTURE NO. 016-0852

SHEET NO. S-34 OF S-48 SHEETS

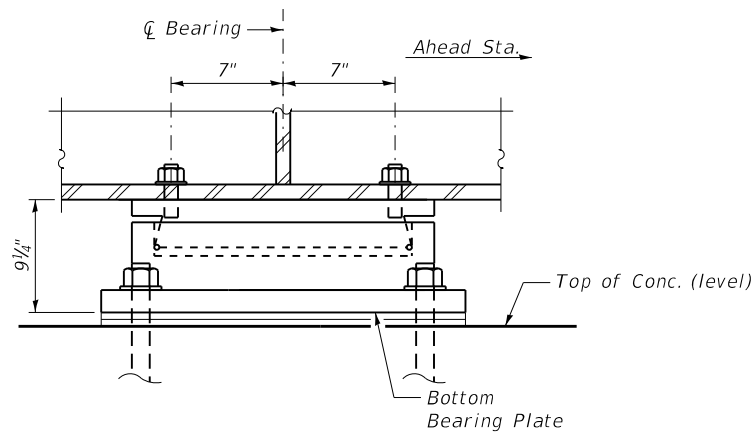
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	267-0101.3-B-R	COOK	120	89
CONTRACT NO. 62F95				
ILLINOIS FED. AID PROJECT NHPP-XG1Q(992)				



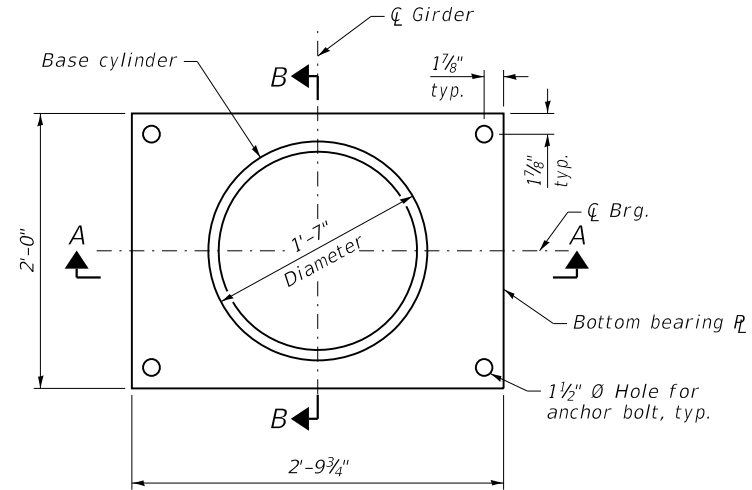
SECTION A-A



TOP BEARING PLATE AND PISTON PLAN



SECTION B-B



BOTTOM BEARING PLATE AND BASE CYLINDER PLAN

NOTES:

- All steel for Bearings shall conform to the requirements of AASHTO M270 grade 50, unless otherwise noted.
- Anchor bolts shall be ASTM F1554 all-thread (or an ENGINEER-approved alternate material) of the grade(s) and diameter(s) specified, the corresponding specified grade of AASHTO M314 Anchor Bolts may be used in lieu of ASTM F1554.
- Total bearing height (th) is estimated based on manufacturer data. Actual Bearing height may differ from contract plans. the CONTRACTOR shall be responsible for verifying bearing heights and adjusting seat elevations with approval of engineer, if required, prior to placing pier concrete. Total bearing height is taken at the centerline of bearing for beveled top plates.
- Two 1/8 in. adjusting shims shall be provided for each bearing in addition to all other plates or shims and placed as shown on bearing details.
- All bearing plates, side retainers, anchor bolts, nuts, washers, and pintles shall be galvanized according to AASHTO M111 or M232 as applicable.

BEARING DESIGN DATA

Location	Vert. Design Loads** (kips)	Hu. Horiz. Design Loads** (kips)	θu. Required Rotation Range*** (radians)
Pier 2	681	137	0.01

* Design loads are the governing service loads with no dynamic load allowance.
 ** Rotation allowances for fabrication tolerances (0.005 radians), installation uncertainties (0.005 radians) are excluded.

FILL PLATE TABLE

Girder No.	Total Thickness
1	0
2	1/8"
3	1/4"
4	3/8"
5	1/8"
6	1/8"
7	1/8"
8	3/8"
9	1/4"

TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
High Load Multi-Rotational Bearings, Fixed, 750k	Each	9
Anchor Bolts, 1"	Each	36

FILE NAME: N:\PROJ\020795-01\Design\Structural\CAD\0160852-20795-35-bearingdetails2.dgn

ENGINEERING CONSULTANT

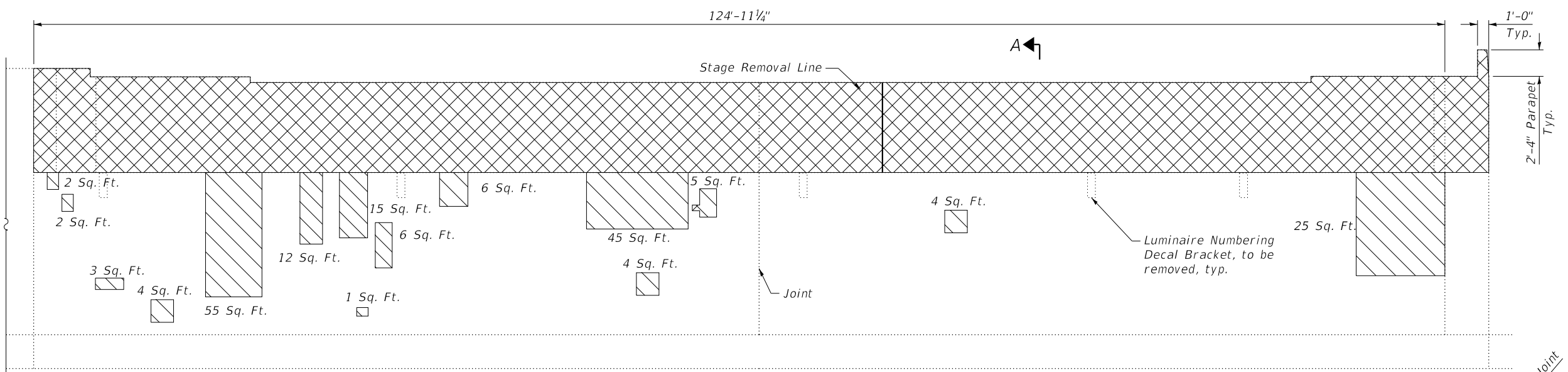
 9725 W. Higgins Road, Suite 600 | Chicago, IL 60631
 P 773.775.4009 | www.ciorba.com

USER NAME =	kcsineros	DESIGNED -	MLK	REVISED -	
PLOT SCALE =	0:2.0000 "/>				

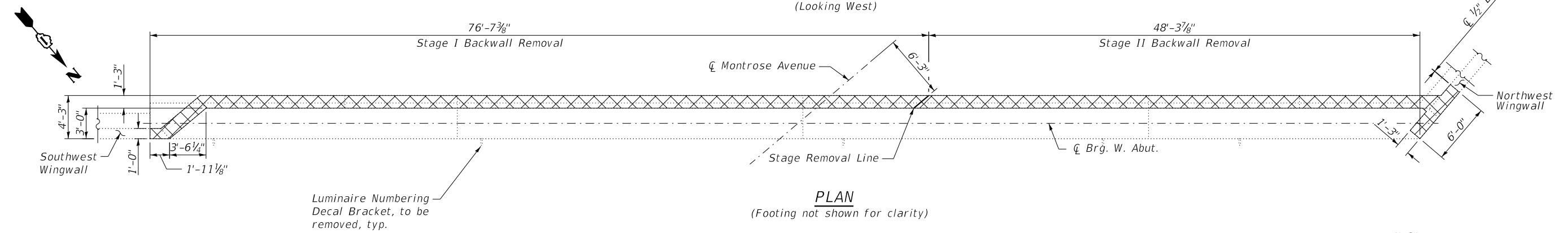
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HLMR FIXED BEARING DETAILS
STRUCTURE NO. 016-0852
 SHEET NO. S-35 OF S-48 SHEETS

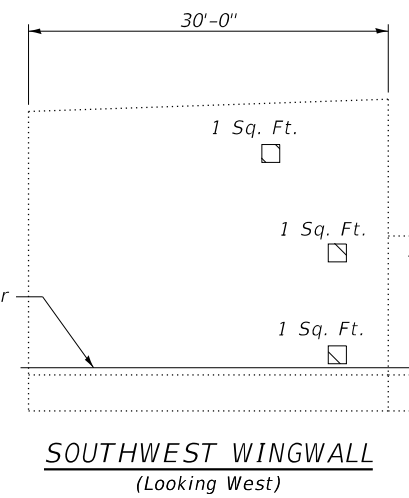
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	267-0101.3-B-R	COOK	120	90
CONTRACT NO. 62F95				
ILLINOIS FED. AID PROJECT NHPXG1Q(992)				



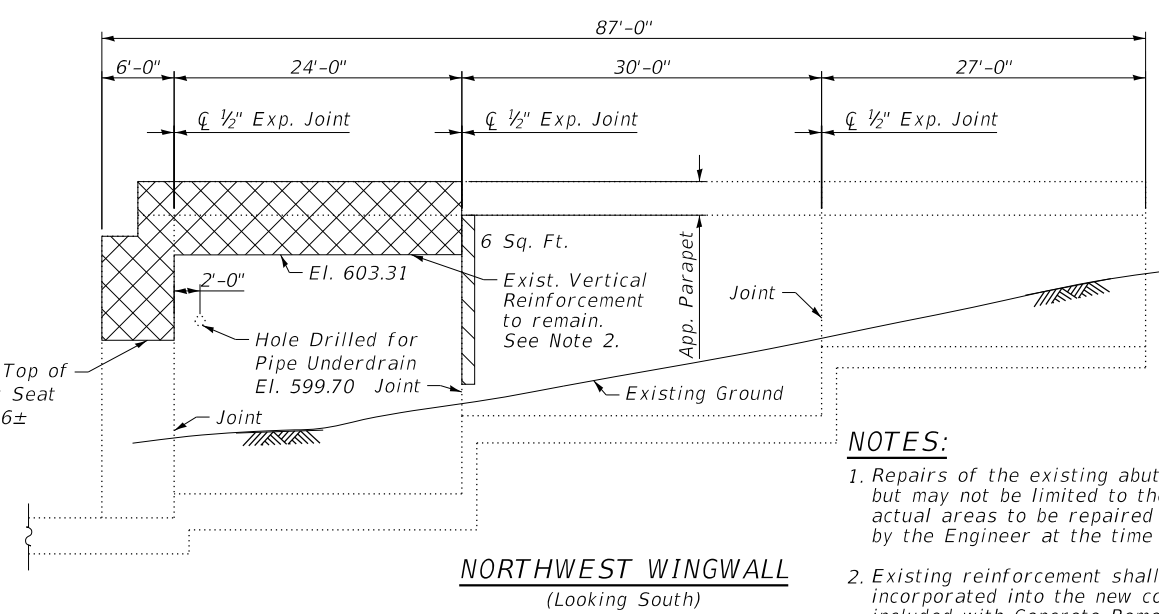
ELEVATION
(Looking West)



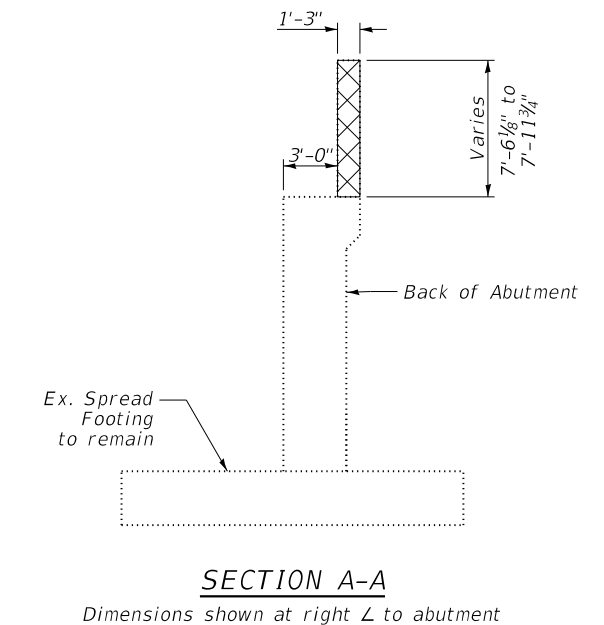
PLAN
(Footings not shown for clarity)



SOUTHWEST WINGWALL
(Looking West)



NORTHWEST WINGWALL
(Looking South)



SECTION A-A
Dimensions shown at right \perp to abutment

- LEGEND:**
- Structural Repair of Concrete (Depth Equal to or Less than 5 inches)
 - Concrete Removal

- NOTES:**
1. Repairs of the existing abutment shall include but may not be limited to the areas shown. The actual areas to be repaired will be determined by the Engineer at the time of construction.
 2. Existing reinforcement shall be cleaned and incorporated into the new construction. Cost included with Concrete Removal.
 3. Any reinforcement bars that are damaged during concrete removal operations shall be repaired or replaced using an approved bar splicer or anchorage system. Cost included with "Concrete Removal".
 4. For Holes Drilled see Special Provision.
 5. Approach parapet removal included with the cost of Approach Slab Removal, see Roadway Plans.

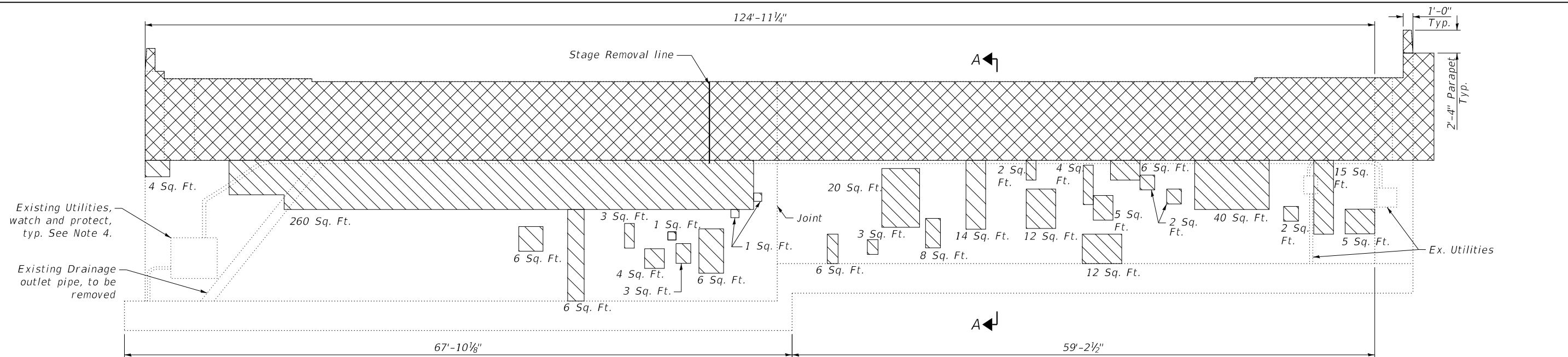
BILL OF MATERIAL

Item	Unit	Quantity
Structural Repair of Concrete (Depth Equal to or Less than 5 inches)	Sq. Ft.	198
Concrete Removal	Cu. Yd.	63.3
Holes Drilled	Each	1

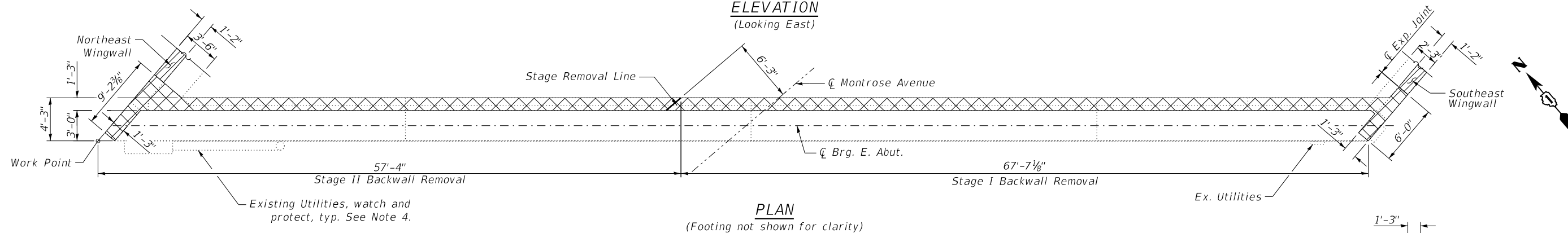
FILE NAME: N:\PROJ\020795-01\Design\Structural\CAD\0160852-20795-36-abutrepair1.dgn

	ENGINEERING CONSULTANT	DESIGNED - MLK	REVISOR -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	WEST ABUTMENT REMOVAL AND REPAIRS STRUCTURE NO. 016-0852	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	USER NAME = kcsneros	CHECKED - BS	REVISOR -			94	267-0101.3-B-R	COOK	120	91	
	PLOT SCALE = 0:2,0000 "/> <td>DRAWN - SBA</td> <td>REVISOR -</td> <td colspan="6" style="text-align: center;">SHEET NO. S-36 OF S-48 SHEETS</td> <td colspan="2" style="text-align: center;">CONTRACT NO. 62F95</td>	DRAWN - SBA	REVISOR -	SHEET NO. S-36 OF S-48 SHEETS						CONTRACT NO. 62F95	
	PLOT DATE = 8/15/2019	CHECKED - BS	REVISOR -	ILLINOIS FED. AID PROJECT NHPX-G10(992)							

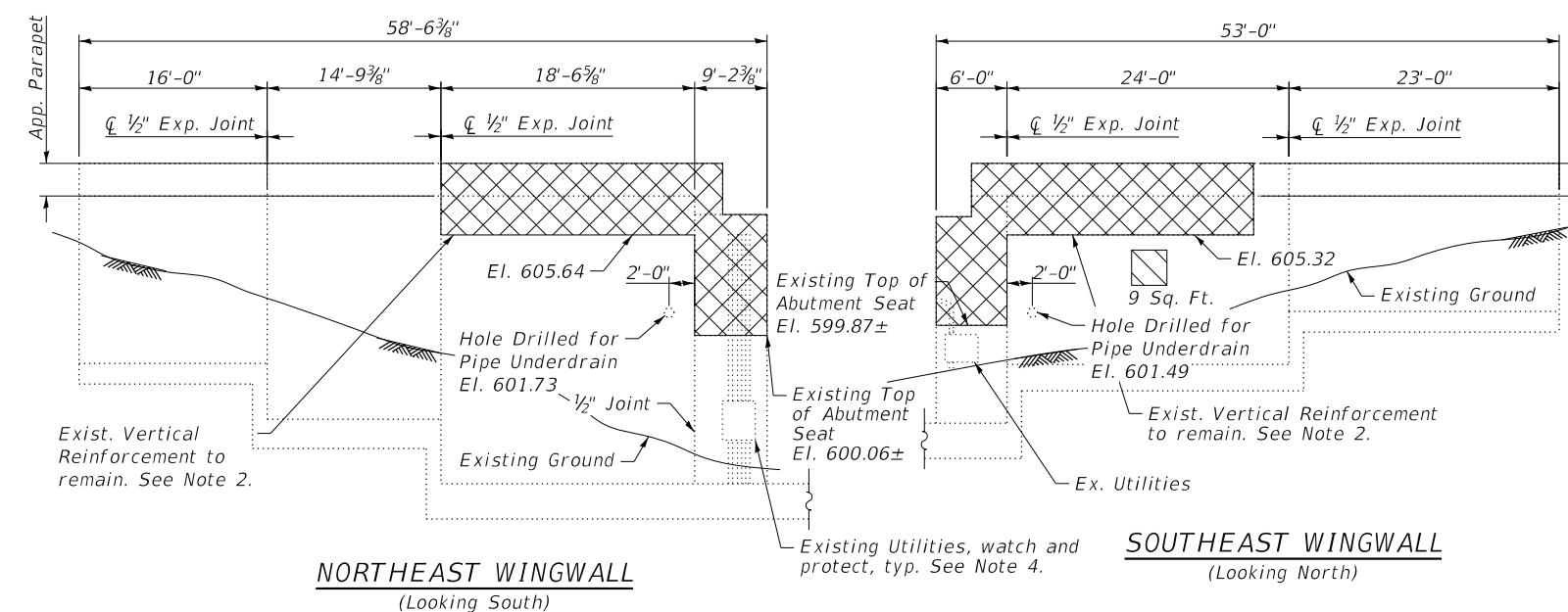
8/15/2019 1:52:46 PM



ELEVATION
(Looking East)



PLAN
(Footing not shown for clarity)



NORTHEAST WINGWALL
(Looking South)

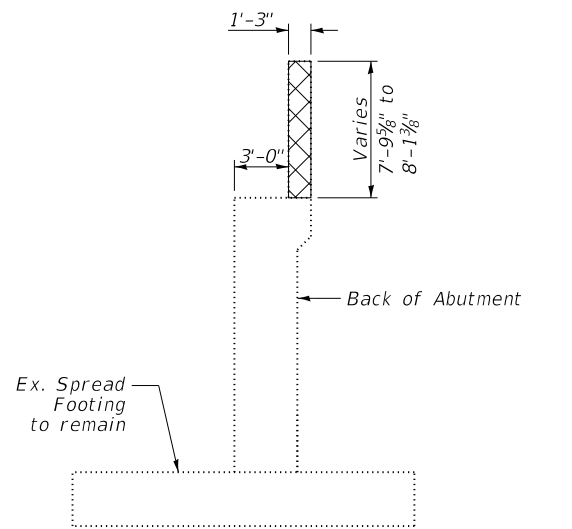
SOUTHEAST WINGWALL
(Looking North)

NOTES:

- Repairs of the existing abutment shall include but may not be limited to the areas shown. The actual areas to be repaired will be determined by the Engineer at the time of construction.
- Existing reinforcement shall be cleaned and incorporated into the new construction. Cost included with Concrete Removal.
- Any reinforcement bars that are damaged during concrete removal operations shall be repaired or replaced using an approved bar splicer or anchorage system. Cost included with Concrete Removal.
- The CONTRACTOR shall be responsible to watch and protect existing utility boxes and conduits adjacent to the concrete repair areas or removal areas. Cost included with "Structural Repair of Concrete (Depth Equal or Less than 5 inches)" or "Concrete Removal."
- Approach parapet removal included with the cost of Approach Slab Removal, see Roadway Plans.
- For Holes Drilled see Special Provision.

LEGEND:

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



SECTION A-A

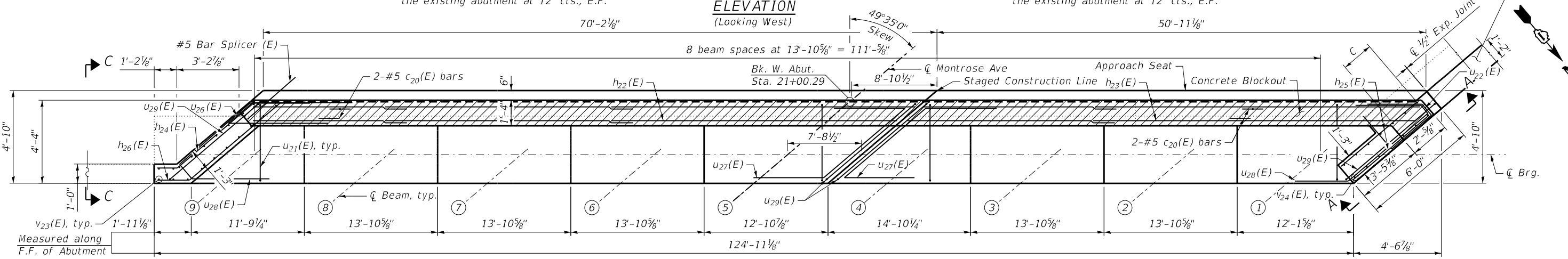
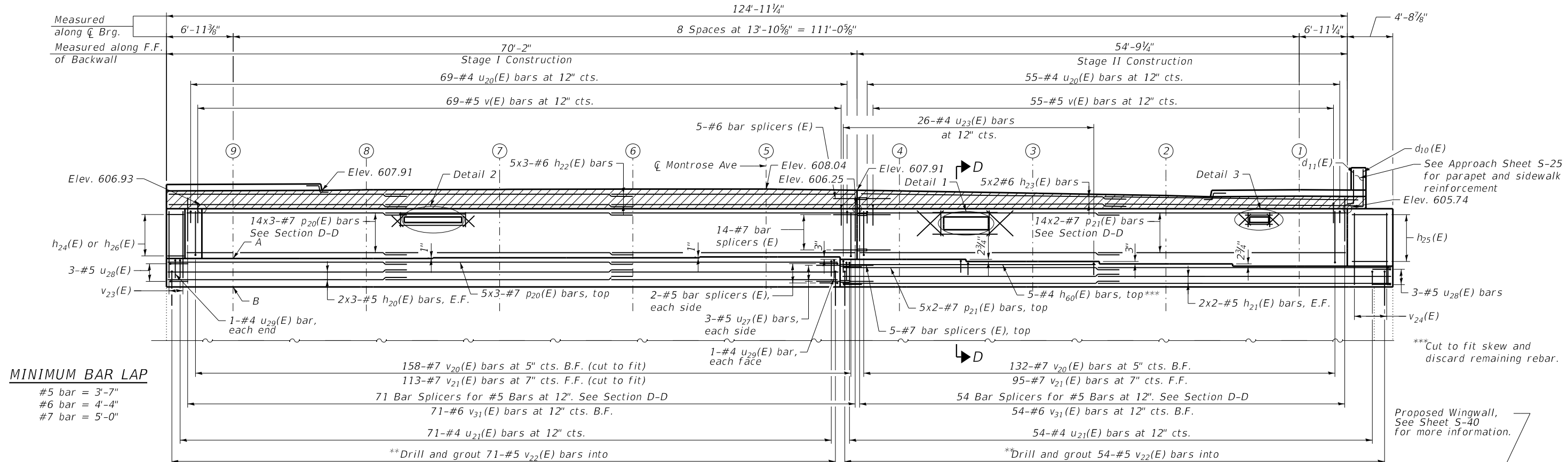
Dimensions shown at right L to abutment

BILL OF MATERIAL

Item	Unit	Quantity
Structural Repair of Concrete (Depth Equal to or Less than 5 inches)	Sq. Ft.	462
Concrete Removal	Cu. Yd.	63.0
Holes Drilled	Each	2

FILE NAME: N:\PROJ\020795-01\Design\Structural\CAD\0160852-20795-37-abutrepair2.dgn

	ENGINEERING CONSULTANT	DESIGNED - MLK	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EAST ABUTMENT REMOVAL AND REPAIRS STRUCTURE NO. 016-0852	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	USER NAME = kcisneros	CHECKED - BS	REVISED -			94	267-0101.3-B-R	COOK	120	92
PLOT SCALE = 0:2,0000 "/>										



ABUTMENT BEARING SEAT ELEVATION

	①	②	③	④	⑤	⑥	⑦	⑧	⑨
Proposed Bearing Seat, A	600.03	600.27	600.51	600.75	600.99	600.90	600.90	600.82	600.82
*Existing Bearing Seat, B	597.86	597.96	598.16	598.35	598.56	598.58	598.58	598.58	598.66

*Elevations to be verified by Contractor in Field.

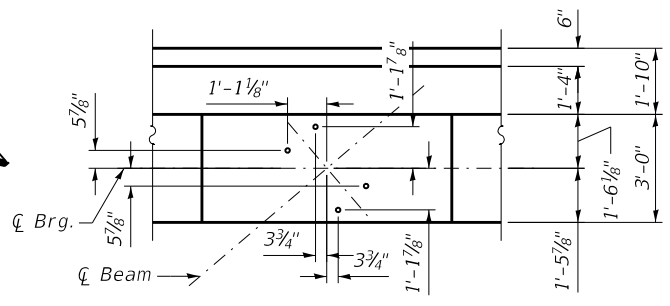
C: 3-#4 d₁₀(E) bars at 8" cts. (O.F.)
 3-#6 d₁₁(E) bars at 8" cts. (I.F.)

** Drill and grout bars according to Article 584 of the Standard Specifications with a minimum embedment of 9", place to miss existing reinforcement. Cost included in the cost of Reinforcement Bars, Epoxy Coated.

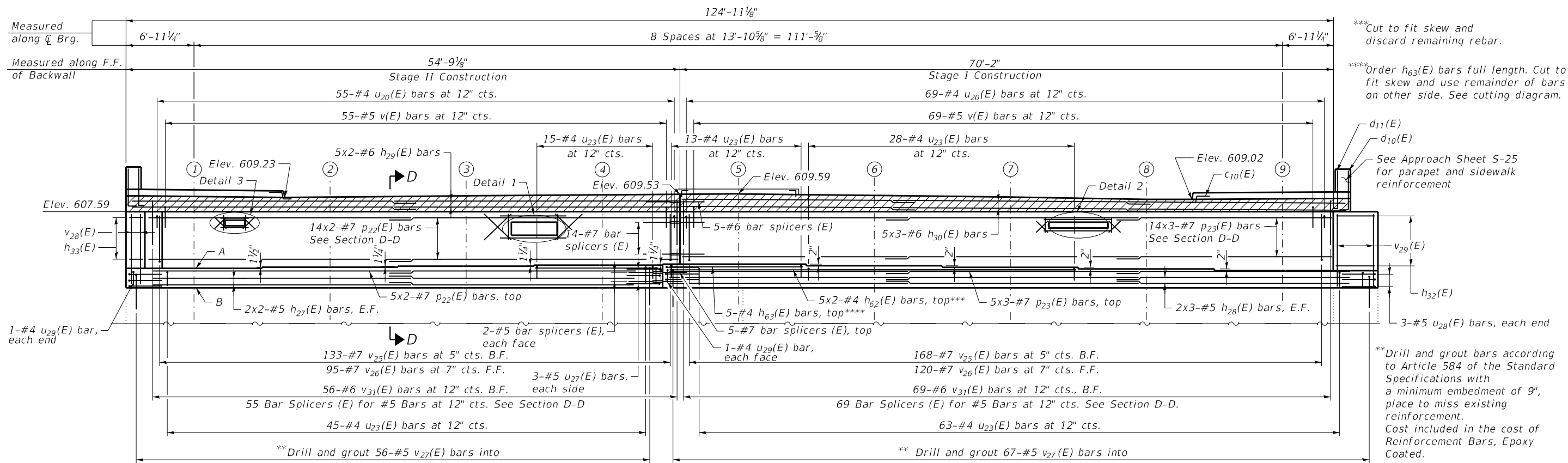
NOTES:

- Backfill shall be placed behind the abutment after the superstructure has been poured and falsework removed. See Article 502.10 of the Standard Specification.
- See Sheet S-41 for bar bending diagrams and Bill of Materials.
- See Sheet S-41 for Detail 1, Detail 2, and Section D-D.
- See Sheet S-40 for View A-A and View C-C.
- For proposed luminaires, luminaire identification tags and lighting conduit locations, see Underpass Lighting Plan.
- Pour steps monolithically with the cap.
- Space Reinforcement to miss anchor bolts.
- Hatched area to be poured after superstructure falsework has been removed. Quantity of Concrete included with Concrete Superstructure.
- For details of Bar Splicers see Sheet S-47.
- Concrete Sealer shall be applied to the exposed surfaces of all new and/or modified abutments.

ANCHOR BOLT LOCATION DETAIL



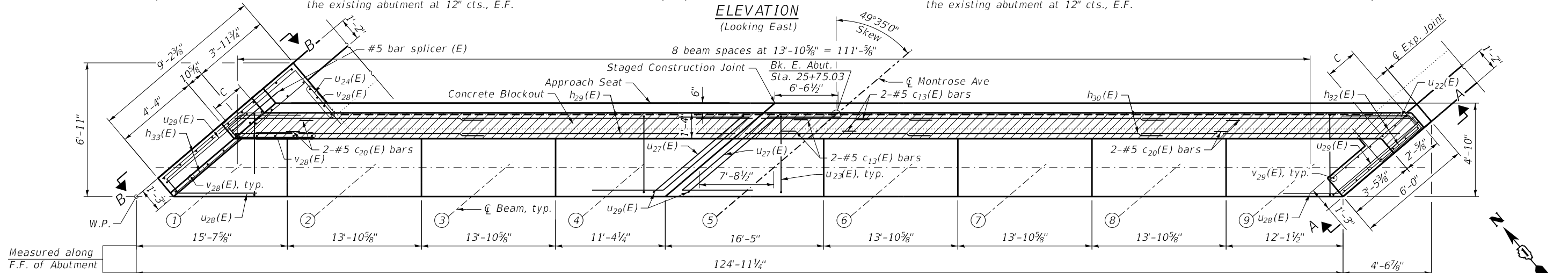
FILE NAME: N:\PROJ\020795-01\Design\Structural\CAD\0160852-20795-38-backwalldetails1.dgn



*** Cut to fit skew and discard remaining rebar.
 **** Order h₆₃(E) bars full length. Cut to fit skew and use remainder of bars on other side. See cutting diagram.

** Drill and grout bars according to Article 584 of the Standard Specifications with a minimum embedment of 9", place to miss existing reinforcement. Cost included in the cost of Reinforcement Bars, Epoxy Coated.

ELEVATION
(Looking East)



PLAN

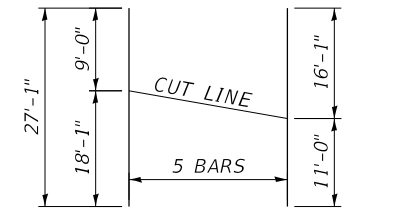
ABUTMENT BEARING SEAT ELEVATION

	①	②	③	④	⑤	⑥	⑦	⑧	⑨
Proposed Bearing Seat, A	602.05	602.18	602.28	602.39	602.49	602.32	602.16	601.99	601.82
*Existing Bearing Seat, B	600.06	600.06	600.13	600.21	600.27	600.15	600.03	599.91	599.87

* Elevations to be verified by Contractor in Field.

MINIMUM BAR LAP

- #4 bar = 2'-11"
- #5 bar = 3'-7"
- #6 bar = 4'-4"
- #7 bar = 5'-0"



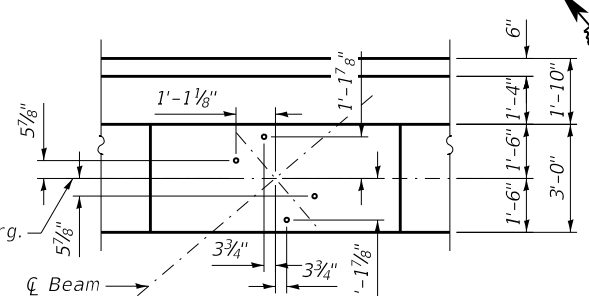
FIELD CUTTING DIAGRAM

Order h₆₃(E) Bars Full Length. Cut To Fit As Shown And Place Where Called Out In Details

NOTES:

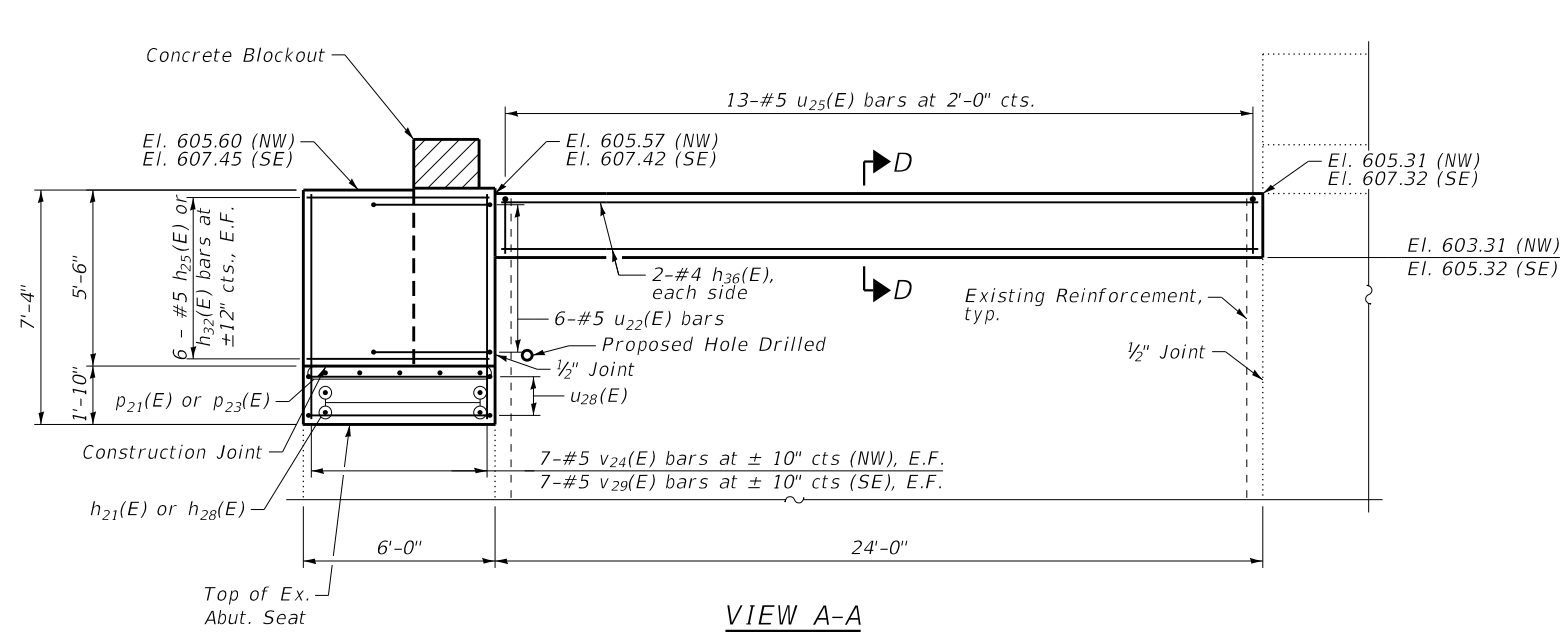
1. Backfill shall be placed behind the abutment after the superstructure has been poured and falsework removed. See Article 502.10 of the Standard Specification.
2. See Sheet S-41 for bar bending diagrams and Bill of Materials.
3. See Sheet S-41 for Detail 1, Detail 2, and Section D-D.
4. See Sheet S-40 for View A-A and View B-B.
5. For proposed luminaires, luminaire identification tags and lighting conduit locations, see Underpass Lighting Plan.
6. Pour steps monolithically with the cap.
7. Space Reinforcement to miss anchor bolts.
8. Hatched area to be poured after superstructure falsework has been removed. Quantity of Concrete included with Concrete Superstructure.
9. For details of Bar Splicers see Sheet S-47.
10. Concrete Sealer shall be applied to the exposed surfaces of all new and/or modified abutments.

C: 3-#4 d₁₀(E) bars at 8" (O.F.)
 3-#4 d₁₁(E) bars at 8" (I.F.)

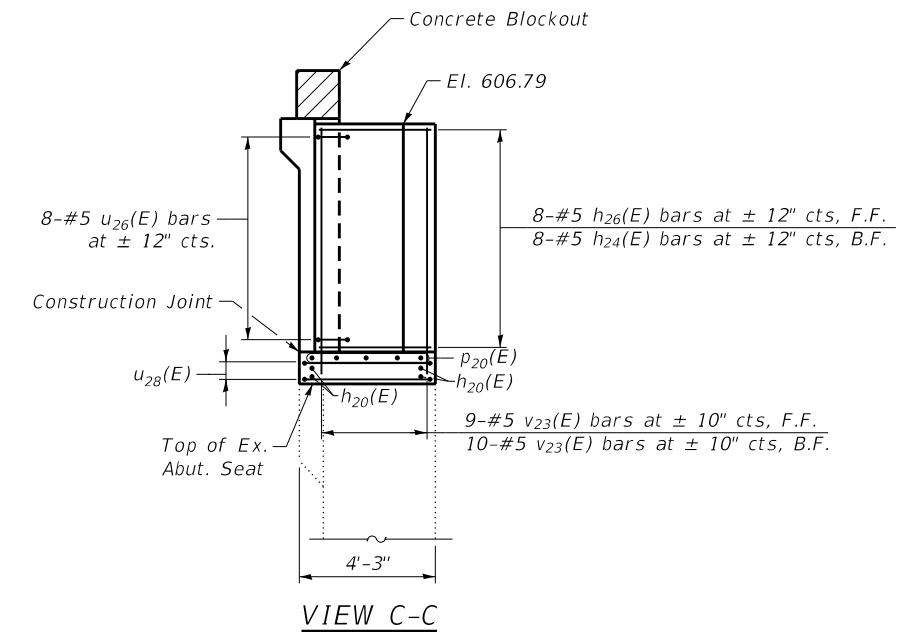


ANCHOR BOLT LOCATION DETAIL

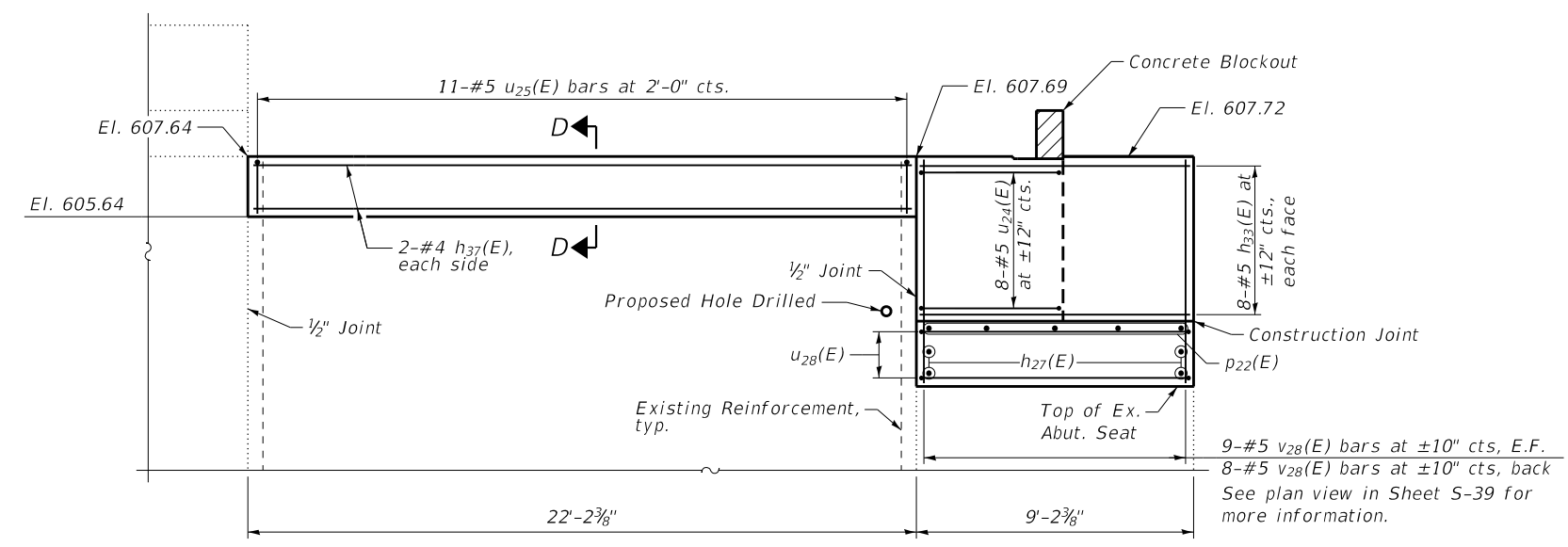
FILE NAME: N:\PROJ\10020795-01\Design\Structural\CAD\10160852-20795-39-backwalldetails2.dgn



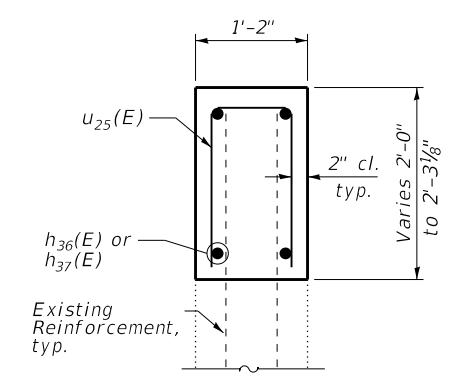
VIEW A-A
Northwest and Southeast Wingwalls



VIEW C-C
Backwall reinforcement
not shown for clarity



VIEW B-B



SECTION D-D

NOTES:

- Existing reinforcement to be blast cleaned, straightened and incorporated into proposed construction. Cost included with Concrete Removal.
- Hatched area to be poured after superstructure false work has been removed. Quantity of concrete included with Concrete Superstructure.
- For Holes Drilled see Special Provisions.

FILE NAME: N:\PROJ\020795-01\Design\Structural\CAD\0160852-20795-40-cheekwalldetails.dgn

ENGINEERING CONSULTANT

 9725 W. Higgins Road, Suite 600 | Chicago, IL 60631
 P 773.775.4009 | www.ciorka.com

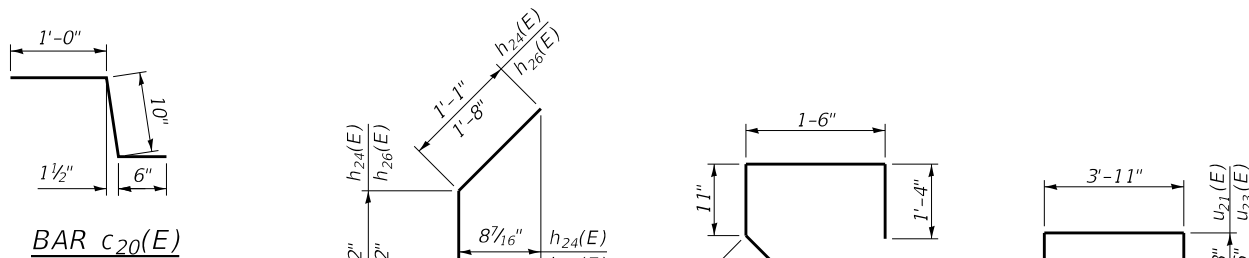
USER NAME =	kcisneros	DESIGNED -	MLK	REVISED -	
PLOT SCALE =	0:2,0000 " = 1" / in.	CHECKED -	BS	REVISED -	
PLOT DATE =	8/15/2019	DRAWN -	SBA	REVISED -	
		CHECKED -	BS	REVISED -	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

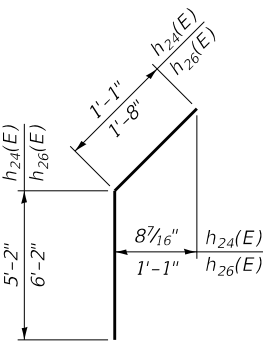
**CHEEK WALL DETAILS
STRUCTURE NO. 016-0852**

SHEET NO. S-40 OF S-48 SHEETS

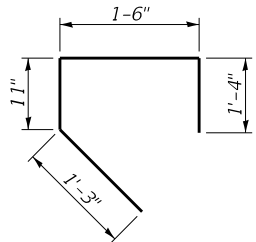
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	267-0101,3-B-R	COOK	120	95
CONTRACT NO. 62F95				
ILLINOIS FED. AID PROJECT NHPP-XG1Q(992)				



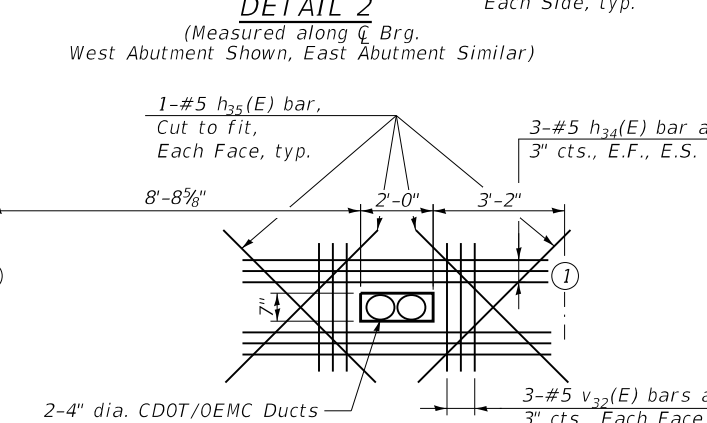
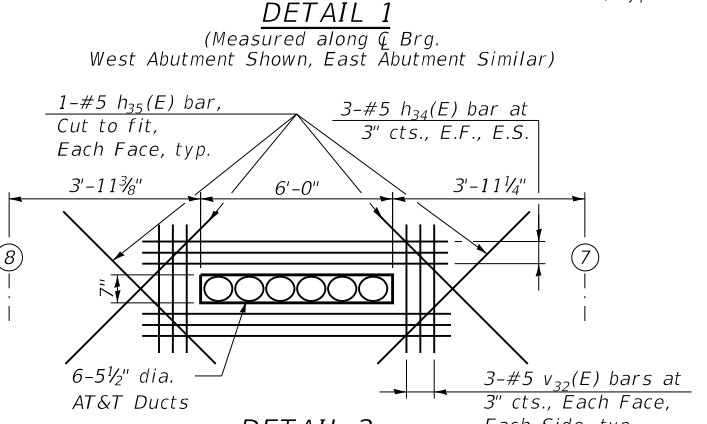
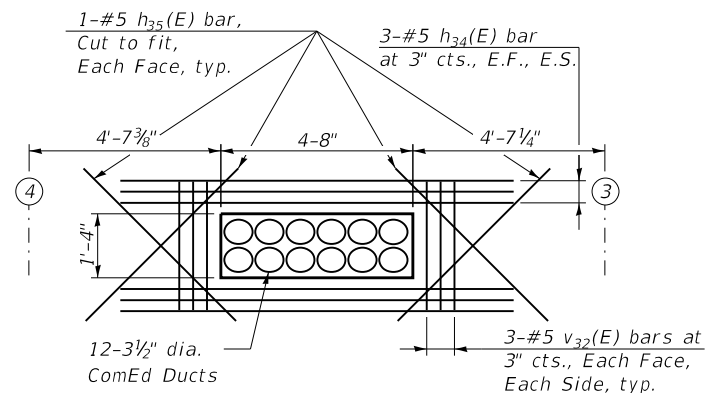
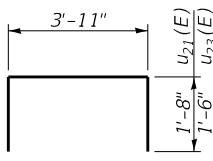
BARS h₂₄(E) & h₂₆(E)



BARS u₂₀(E)



BARS u₂₁(E) & u₂₃(E)



**WEST ABUTMENT
BILL OF MATERIAL**

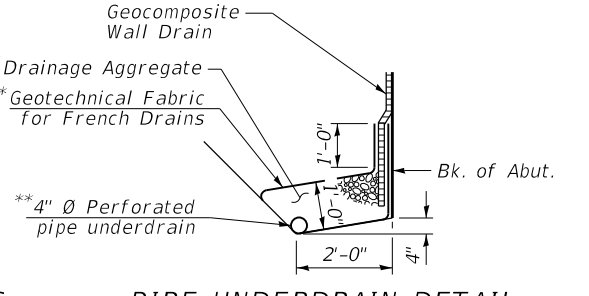
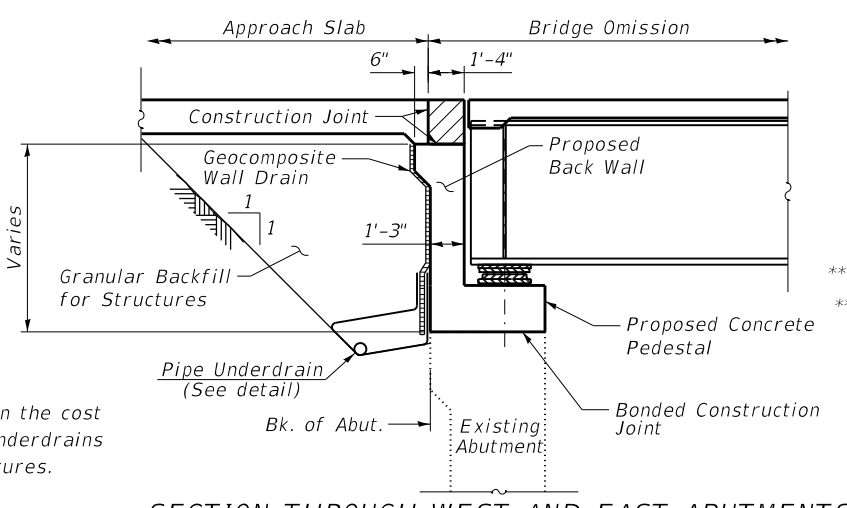
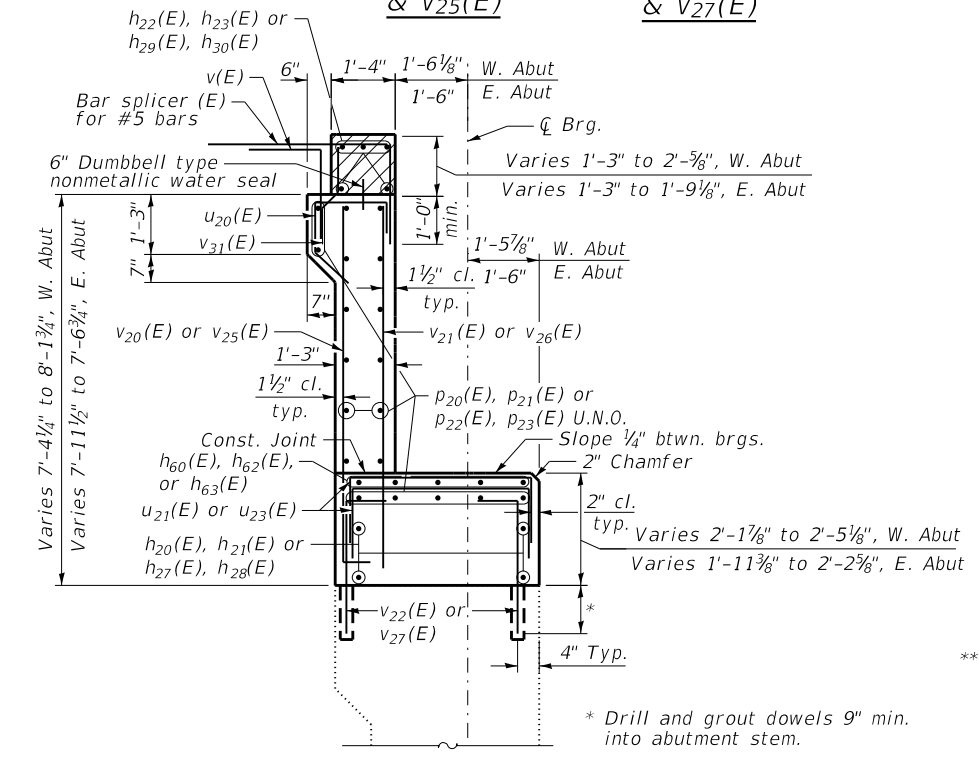
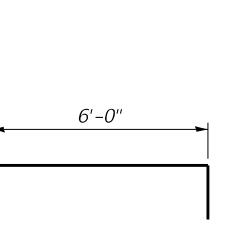
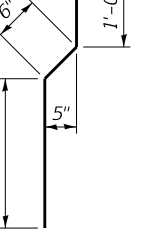
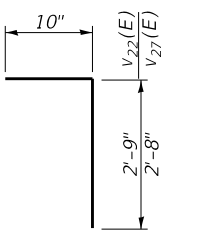
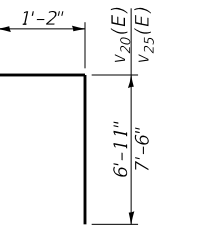
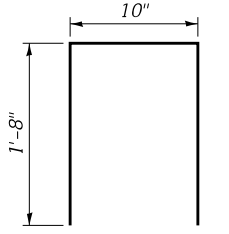
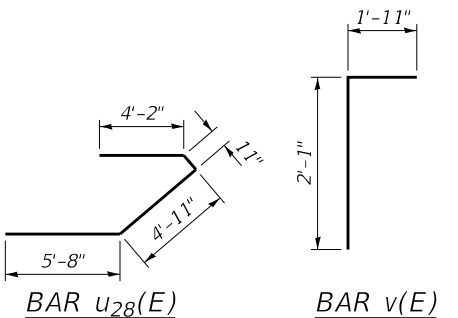
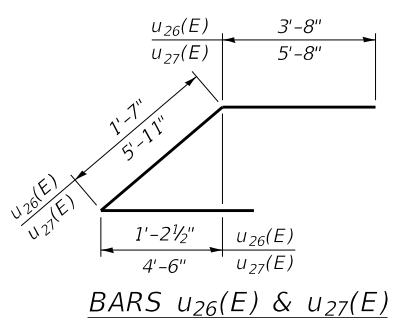
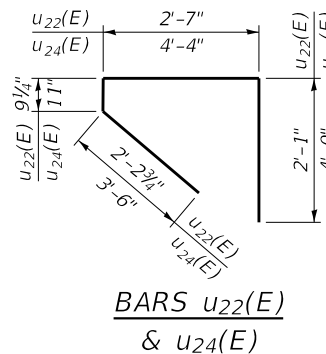
Bar	No.	Size	Length	Shape
c ₂₀ (E)	4	#5	2'-4"	└
d ₁₀ (E)	3	#4	5'-7"	└
d ₁₁ (E)	3	#6	4'-7"	└
h ₂₀ (E)	12	#5	23'-10"	—
h ₂₁ (E)	8	#5	29'-0"	—
h ₂₂ (E)	15	#6	25'-5"	—
h ₂₃ (E)	10	#6	29'-5"	—
h ₂₄ (E)	8	#5	6'-2"	└
h ₂₅ (E)	12	#5	5'-8"	└
h ₂₆ (E)	8	#5	7'-10"	└
h ₃₄ (E)	36	#5	8'-0"	—
h ₃₅ (E)	24	#5	2'-3"	—
h ₃₆ (E)	4	#4	23'-8"	—
h ₆₀ (E)	5	#4	28'-5"	—
p ₂₀ (E)	57	#7	25'-4"	—
p ₂₁ (E)	38	#7	29'-9"	—
u ₂₀ (E)	124	#4	5'-0"	└
u ₂₁ (E)	125	#4	7'-3"	└
u ₂₂ (E)	6	#5	7'-8"	└
u ₂₃ (E)	26	#4	6'-11"	└
u ₂₅ (E)	13	#5	4'-2"	└
u ₂₆ (E)	8	#5	8'-11"	└
u ₂₇ (E)	6	#5	17'-3"	└
u ₂₈ (E)	6	#5	15'-8"	└
u ₂₉ (E)	4	#5	9'-0"	└
v(E)	124	#5	4'-0"	└
v ₂₀ (E)	290	#7	8'-1"	└
v ₂₁ (E)	208	#7	7'-9"	└
v ₂₂ (E)	250	#5	3'-7"	└
v ₂₃ (E)	19	#5	7'-0"	└
v ₂₄ (E)	14	#5	7'-9"	└
v ₃₁ (E)	125	#6	2'-3"	└
v ₃₂ (E)	36	#5	2'-3"	└

**EAST ABUTMENT
BILL OF MATERIAL**

Bar	No.	Size	Length	Shape
c ₁₃ (E)	4	#5	1'-3"	└
c ₂₀ (E)	4	#5	2'-4"	└
d ₁₀ (E)	6	#4	5'-7"	└
d ₁₁ (E)	6	#6	4'-7"	└
h ₂₇ (E)	8	#5	29'-0"	—
h ₂₈ (E)	12	#5	25'-1"	—
h ₂₉ (E)	10	#6	27'-5"	—
h ₃₀ (E)	15	#6	25'-5"	—
h ₃₂ (E)	12	#5	5'-8"	└
h ₃₃ (E)	16	#5	8'-8"	└
h ₃₄ (E)	36	#5	8'-0"	—
h ₃₅ (E)	24	#5	2'-3"	—
h ₃₆ (E)	4	#4	23'-8"	—
h ₃₇ (E)	4	#4	21'-10"	—
h ₆₂ (E)	10	#4	23'-5"	—
h ₆₃ (E)	5	#4	27'-1"	—
p ₂₂ (E)	38	#7	29'-9"	—
p ₂₃ (E)	57	#7	25'-10"	—
u ₂₀ (E)	124	#4	5'-0"	└
u ₂₂ (E)	8	#5	7'-8"	└
u ₂₃ (E)	164	#4	6'-11"	└
u ₂₄ (E)	8	#5	12'-9"	└
u ₂₅ (E)	24	#5	4'-2"	└
u ₂₇ (E)	6	#5	17'-3"	└
u ₂₈ (E)	6	#5	15'-8"	└
u ₂₉ (E)	4	#5	9'-0"	└
v(E)	124	#5	4'-0"	└
v ₂₅ (E)	301	#7	8'-8"	└
v ₂₆ (E)	215	#7	7'-2"	└
v ₂₇ (E)	246	#5	3'-6"	└
v ₂₈ (E)	26	#5	7'-5"	└
v ₂₉ (E)	14	#5	7'-7"	└
v ₃₁ (E)	125	#6	2'-3"	└
v ₃₂ (E)	36	#5	2'-3"	└

Structure Excavation	Cu Yd	241
Concrete Structures	Cu Yd	83.5
Reinforcement Bars, Epoxy Coated	Pound	19,430
Granular Backfill For Structures	Cu Yd	210
Concrete Sealer	Sq Ft	1,084
Geocomposite Wall Drain	Sq Yd	125
Pipe Underdrains For Structures, 4"	Foot	125

Structure Excavation	Cu Yd	248
Concrete Structures	Cu Yd	84.6
Reinforcement Bars, Epoxy Coated	Pound	20,290
Granular Backfill For Structures	Cu Yd	210
Concrete Sealer	Sq Ft	1,084
Geocomposite Wall Drain	Sq Yd	125
Pipe Underdrains For Structures, 4"	Foot	125



- NOTES:**
- Backfill shall be placed behind the abutment after the superstructure has been poured and falsework removed. See Article 502.10 of the Standard Specification.
 - For proposed luminaires, luminaire identification tags and lighting conduit locations, see Underpass Lighting Plan.
 - For c₁₃(E), d₁₀(E), and d₁₁(E) Bar Bending diagrams, see Sheet S-25.

FILE NAME: N:\PROJ\020795-01\Design\Structural\CAD\0160852-20795-4-1-backwalldetails3.dgn



ENGINEERING CONSULTANT	USER NAME	DESIGNED	REVISIONS
CiorbaGroup	mkutka	MLK	-
		BS	-
		SBA	-
		BS	-

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

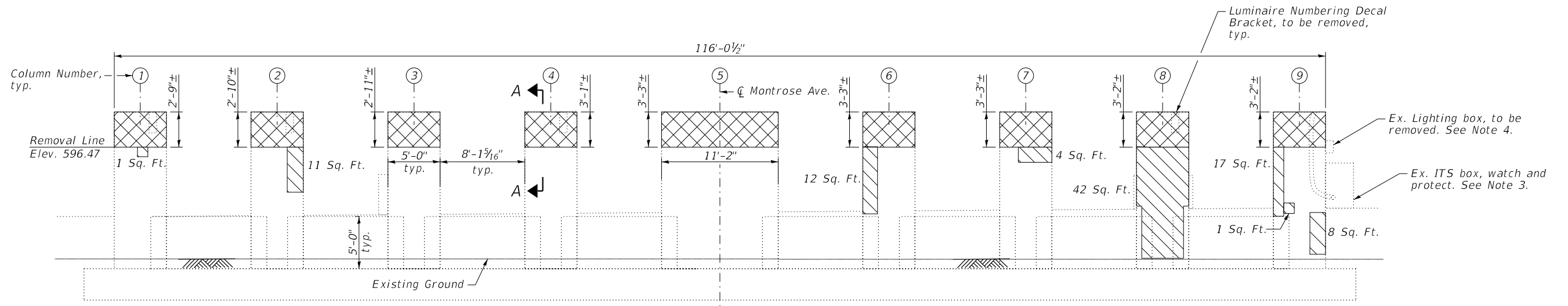
**BACKWALL DETAILS
STRUCTURE NO. 016-0852**

SHEET NO. S-41 OF S-48 SHEETS

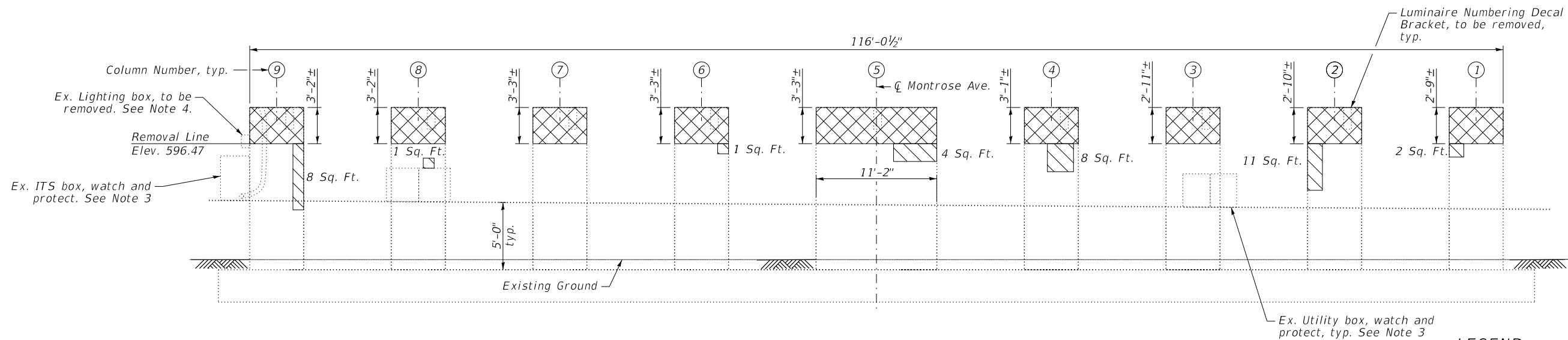
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	267-0101.3B-R	COOK	120	96

CONTRACT NO. 62F95

ILLINOIS FED. AID PROJECT NHPP-XG1Q(992)




PIER 1 WEST FACE ELEVATION
(Looking East)



PIER 1 EAST FACE ELEVATION
(Looking West)

LEGEND:

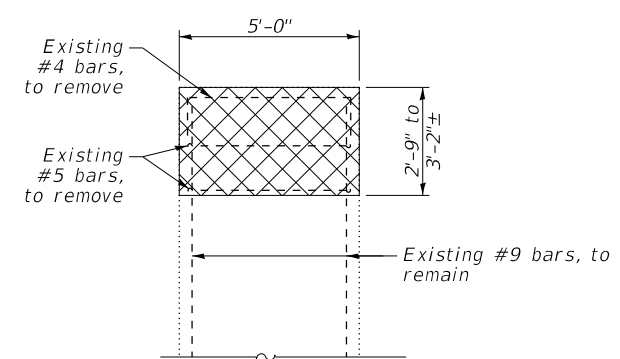
	Structural Repair of Concrete (Depth Equal to or Less than 5 inches)
	Concrete Removal

BILL OF MATERIAL

Item	Unit	Quantity
Structural Repair of Concrete (Depth Equal to or Less than 5 inches)	Sq. Ft.	131
Concrete Removal	Cu. Yd.	23.9


NOTES:

- Repairs of the existing pier shall include but may not be limited to the areas shown. The actual areas to be repaired will be determined by the ENGINEER at the time of construction.
- Existing reinforcement shall be cleaned and incorporated into the new construction. Cost included with Concrete Removal.
- The CONTRACTOR shall be responsible to watch and protect utility boxes and conduits adjacent to the pier crash walls and mounted to piers.
- For Lighting Box removal see Electrical Plans. Cost included with Underpass Lighting Removal.



SECTION A-A

FILE NAME: N:\PROJ\020795-01\Design\Structural\CAD\0160852-20795-42-pierrepair1.dgn

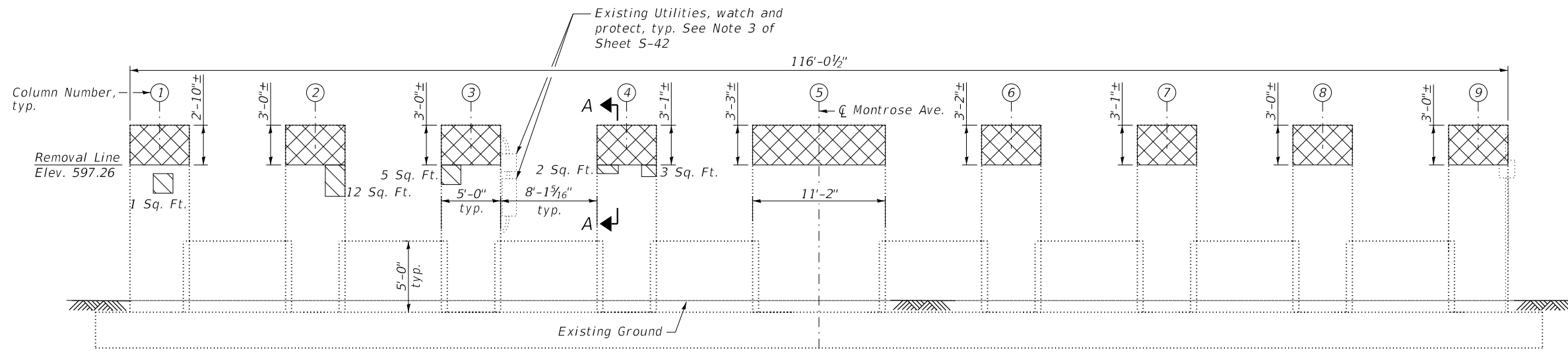
 0125 W. Higgins Road, Suite 600 Chicago, IL 60631 P 773.775.4009 www.ciorba.com	ENGINEERING CONSULTANT	USER NAME = kcisneros	DESIGNED - MLK	REVISED -
			CHECKED - BS	REVISED -
		PLOT SCALE = 0:2,0000 "/> <td>DRAWN - SBA</td> <td>REVISED -</td>	DRAWN - SBA	REVISED -
		PLOT DATE = 8/15/2019	CHECKED - BS	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

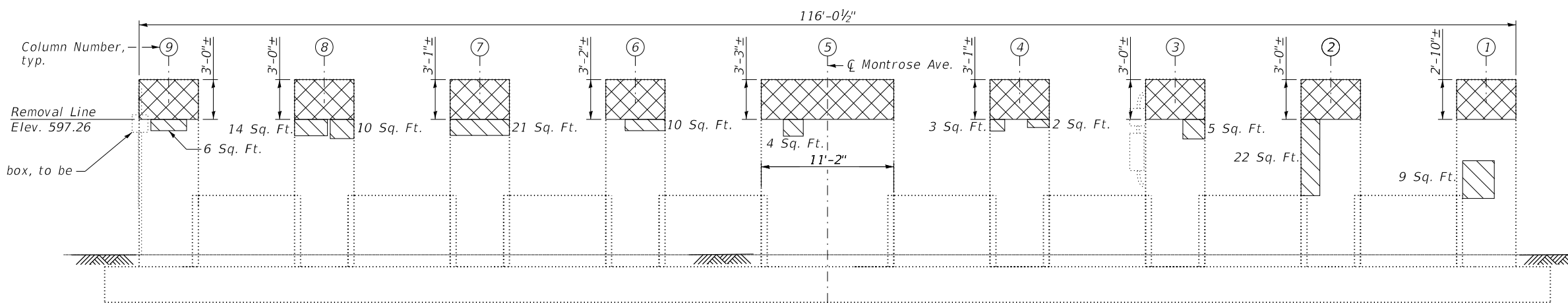
**PIER 1 REMOVAL AND REPAIRS
STRUCTURE NO. 016-0852**

SHEET NO. S-42 OF S-48 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	267-0101.3-B-R	COOK	120	97
CONTRACT NO. 62F95				
ILLINOIS FED. AID PROJECT NHPX-G1Q(992)				



PIER 2 WEST FACE ELEVATION
(Looking East)



PIER 2 EAST FACE ELEVATION
(Looking West)

BILL OF MATERIAL

Item	Unit	Quantity
Structural Repair of Concrete (Depth Equal to or Less than 5 inches)	Sq. Ft.	129
Concrete Removal	Cu. Yd.	23.5

NOTES:

- See Sheet S-42 for Notes and Section A-A.
- For demolition and construction adjacent to CTA track see Special Provision CTA Flagging and Coordination.

LEGEND:

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

FILE NAME: N:\PROJ\020795-01\Design\Structural\CAD\0160852-20795-4-3-pierrepair2.dgn

<p>0725 W. Higgins Road, Suite 500 Chicago, IL 60631 P 773.775.4009 www.ciorba.com</p>	ENGINEERING CONSULTANT	USER NAME = kcisneros	DESIGNED - MLK	REVISED -
			CHECKED - BS	REVISED -
		PLOT SCALE = 0:2,0000 " = 1" / in.	DRAWN - SBA	REVISED -
		PLOT DATE = 8/15/2019	CHECKED - BS	REVISED -

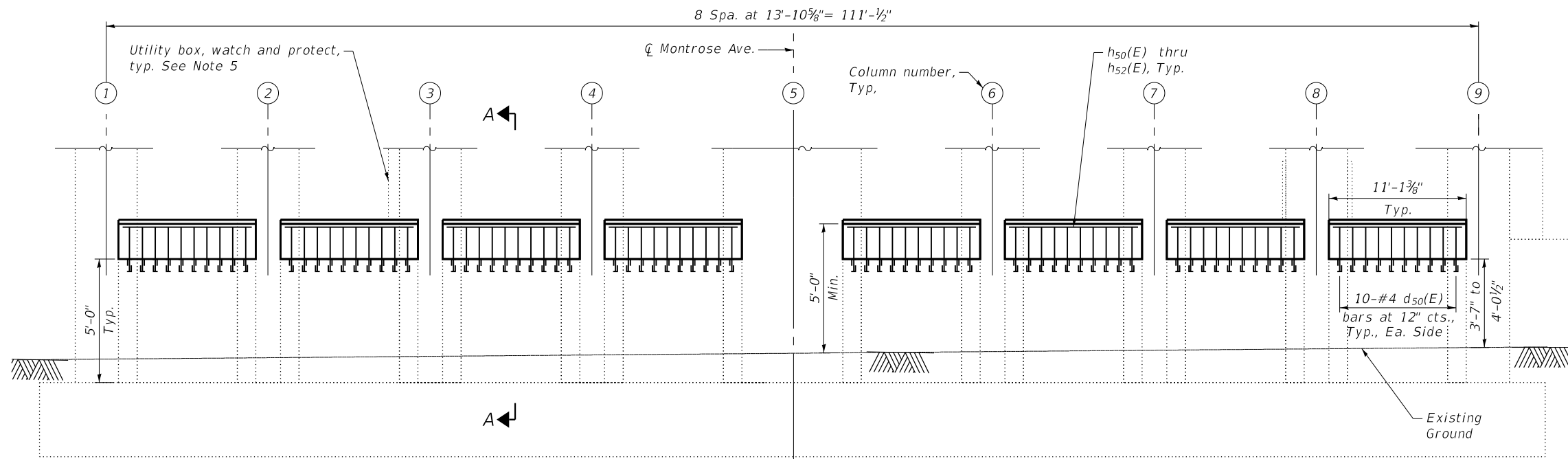
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PIER 2 REMOVAL AND REPAIRS
STRUCTURE NO. 016-0852**

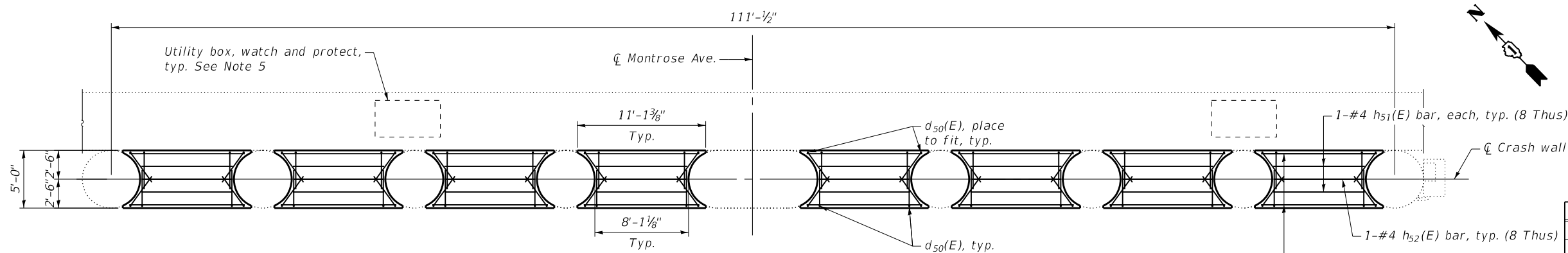
SHEET NO. S-43 OF S-48 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	267-0101,3-B-R	COOK	120	98
CONTRACT NO. 62F95				

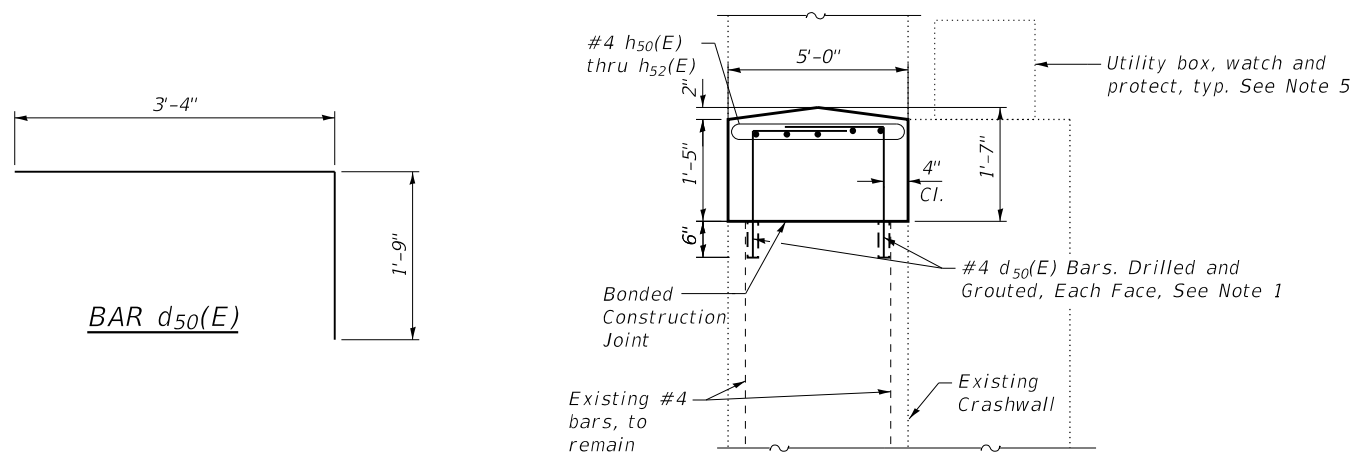
ILLINOIS FED. AID PROJECT NHPP-XG1Q(992)



ELEVATION
(Looking East)



PLAN



SECTION A-A

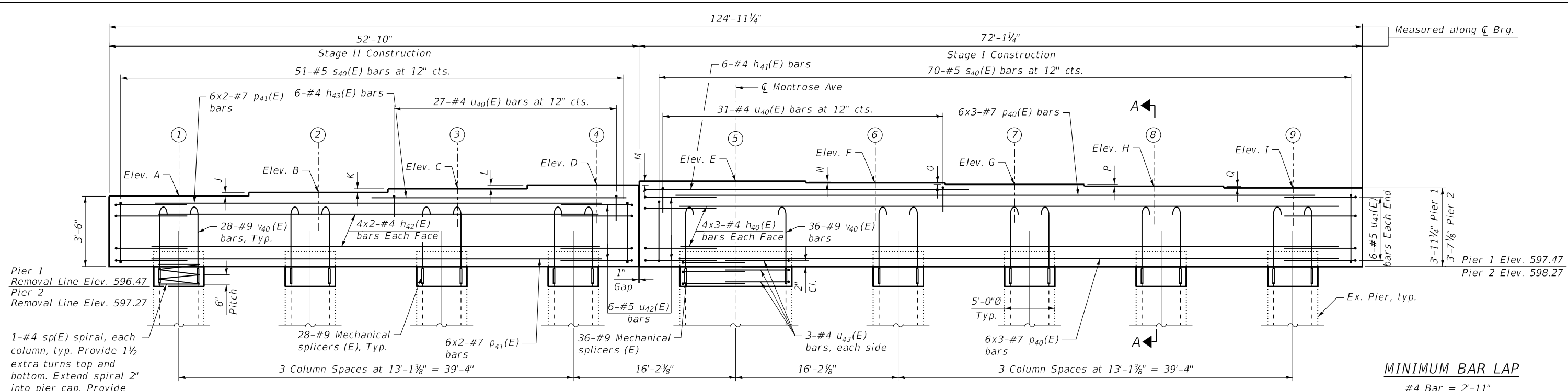
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
d ₅₀ (E)	160	#4	5'-1"	┌
h ₅₀ (E)	16	#4	10'-6"	—
h ₅₁ (E)	16	#4	8'-3"	—
h ₅₂ (E)	8	#4	7'-9"	—
Concrete Structures		Cu Yd	21.4	
Reinforcement Bars, Epoxy Coated		Pound	790	
Concrete Sealer		Sq Ft	602	

NOTES:

1. Drill and grout d₅₀(E) bars 6" Min. in accordance with Article 584 of the Standard Specifications. Cost included with Reinforcement Bars, Epoxy Coated.
2. Surfaces to receive new concrete shall be prepared in accordance with Article 503.09 (b).
3. Concrete Sealer shall be applied to the exposed surfaces of all modified pier crash walls.
4. All edges shall be chamfered 3/4".
5. The CONTRACTOR shall be responsible to watch and protect utility boxes adjacent to the pier crash wall during construction. Cost included with cost of Concrete Structures.

FILE NAME: N:\PROJ\020795-01\Design\Structural\CAD\0160852-20795-44-crashwall.dgn

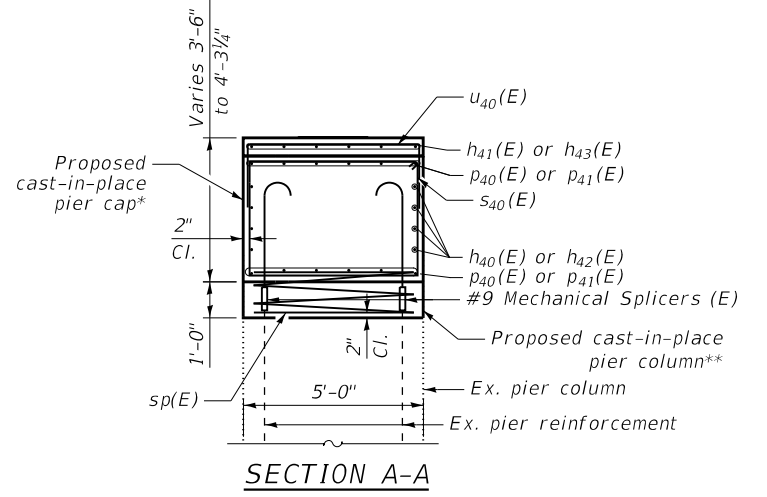
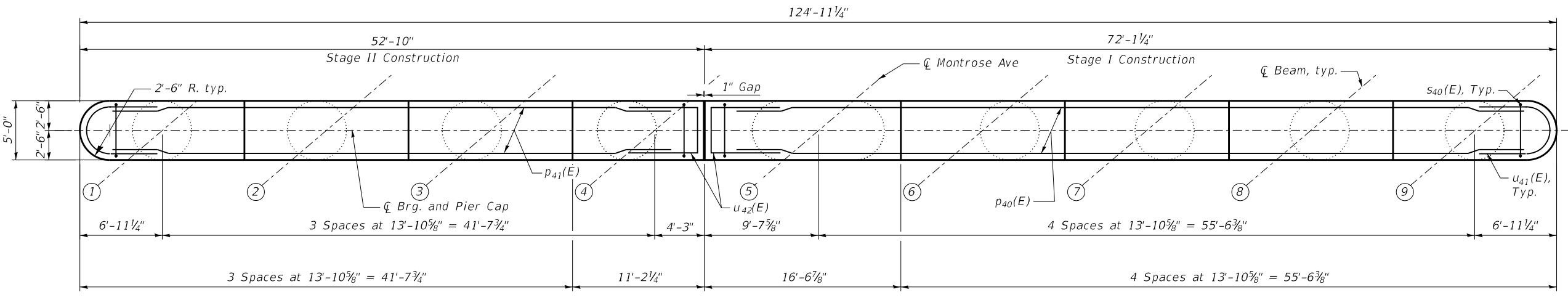


Pier 1 Removal Line Elev. 596.47
Pier 2 Removal Line Elev. 597.27

1-#4 sp(E) spiral, each column, typ. Provide 1 1/2 extra turns top and bottom. Extend spiral 2" into pier cap. Provide 4-#4 spacers or equivalent.

MINIMUM BAR LAP

#4 Bar = 2'-11"
#5 Bar = 3'-7"
#7 Bar = 5'-0"



*Apply Concrete Sealer on top and side faces of the pier cap.
**Apply Concrete Sealer on full height of the new concrete at the pier column.

ELEVATION TABLE

Location	Pier 1	Pier 2
A	600.97	601.76
B	601.16	601.91
C	601.36	602.06
D	601.55	602.20
E	601.74	602.37
F	601.66	602.24
G	601.57	602.12
H	601.49	601.97
I	601.41	601.85

STEP HEIGHT

Location	Pier 1	Pier 2
J	2 1/4"	1 3/4"
K	2 1/2"	1 3/4"
L	2 1/4"	1 3/4"
M	2 1/4"	2"
N	1"	1 1/2"
O	1"	1 1/2"
P	1"	1 3/4"
Q	1"	1 1/2"

NOTES:

- Space Reinforcement in cap to miss anchor bolts.
- Pour steps monolithically with cap.
- Bars indicated thus 4x2-#5. Indicates 4 lines of bars with 2 length per line.
- For anchor bolt layout and Bill of Material, see sheet S-46.
- For mechanical splicer details, see sheet S-47.
- Utilities and Luminaires not shown for clarity. See sheets S-42 and S-43 for existing utilities to remain and the location of the existing Luminaire Brackets.
- For proposed luminaires, luminaire tags and lighting conduit location, see Underpass Lighting Plan.

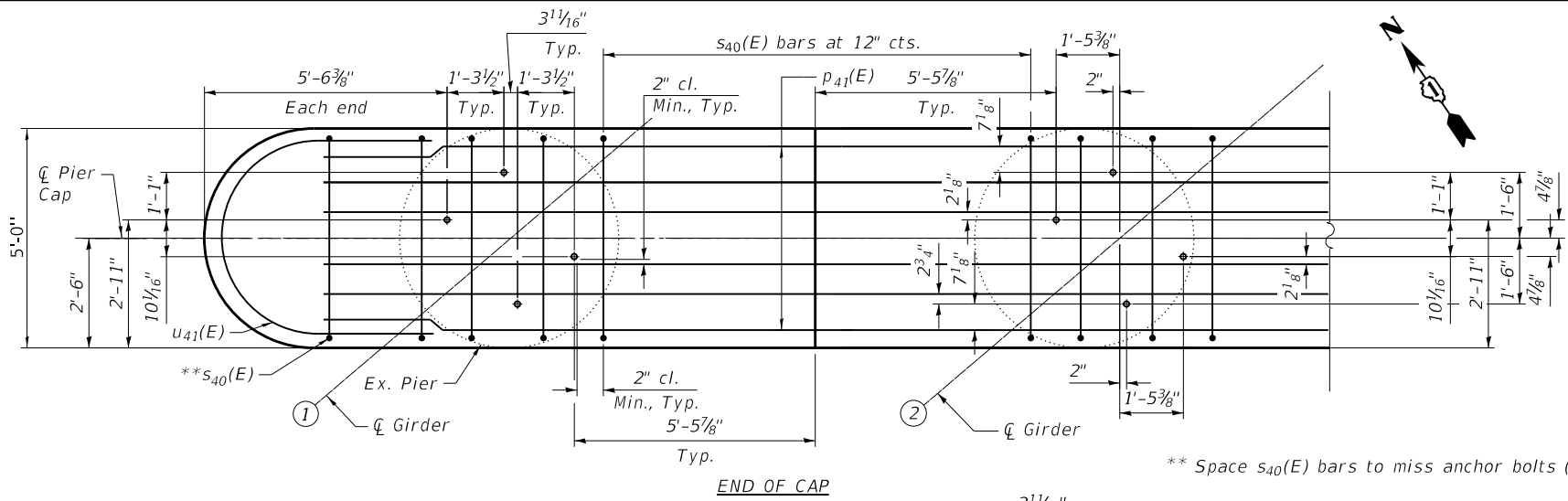
FILE NAME: N:\PROJ\020795-01\Design\Structural\CAD\0160852-20795-45-pierdetails1.dgn

**PIER CAP
BILL OF MATERIAL**

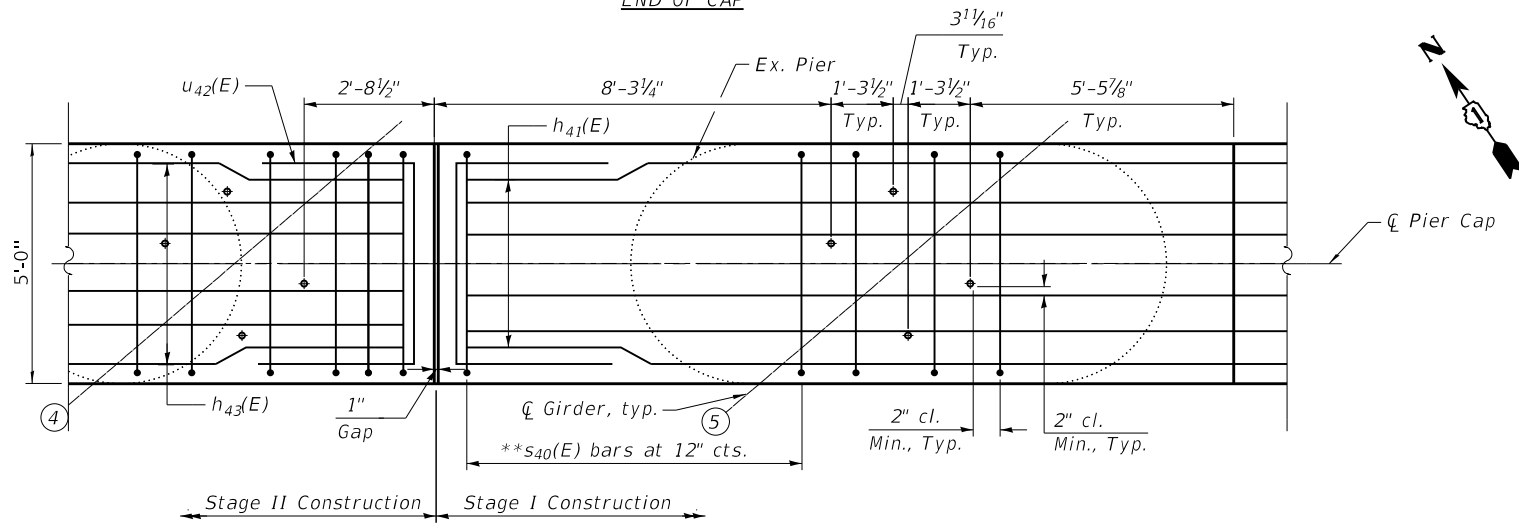
(2 Piers)

Bar	No.	Size	Length	Shape
p ₄₀ (E)	72	#7	27'-4"	
p ₄₁ (E)	48	#7	28'-9"	
h ₄₀ (E)	48	#4	25'-10"	
h ₄₁ (E)	12	#4	30'-0"	
h ₄₂ (E)	32	#4	27'-8"	
h ₄₃ (E)	12	#4	24'-8"	
u ₄₀ (E)	116	#4	9'-10"	⌊
u ₄₁ (E)	24	#5	14'-3"	⌊
u ₄₂ (E)	24	#5	11'-8"	⌊
u ₄₃ (E)	12	#4	19'-2"	⌊
s ₄₀ (E)	242	#5	16'-7"	□
v ₄₀ (E)	520	#9	4'-3"	⌋
* sp(E)	16	#4	1'-0"	M
Concrete Structures	Cu Yd	195.0		
Reinforcement Bars, Epoxy Coated	Pound	22,340		
Concrete Sealer	Sq Ft	3,372		

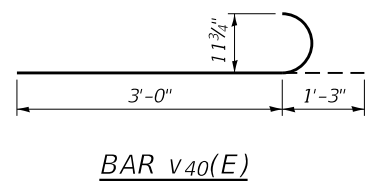
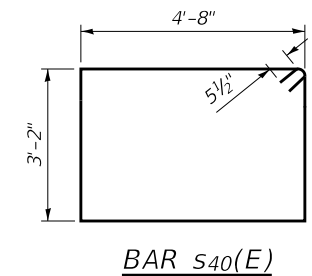
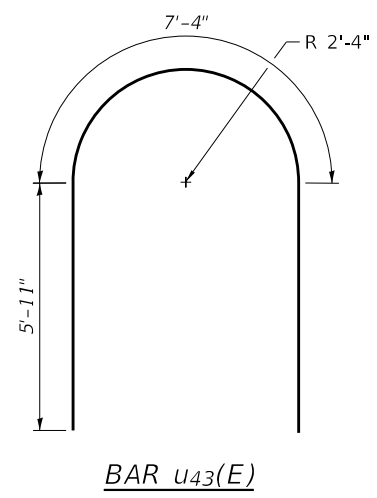
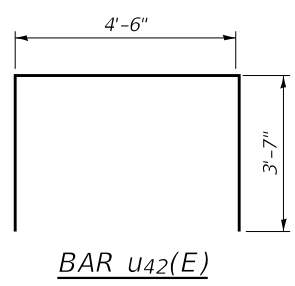
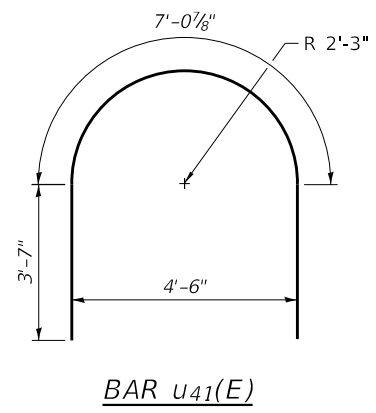
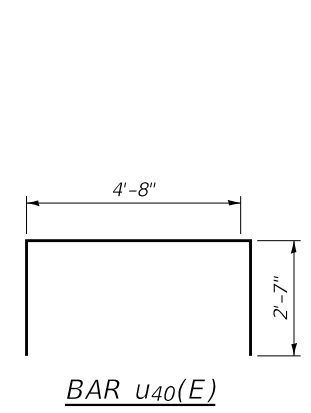
* Length is height of spiral.



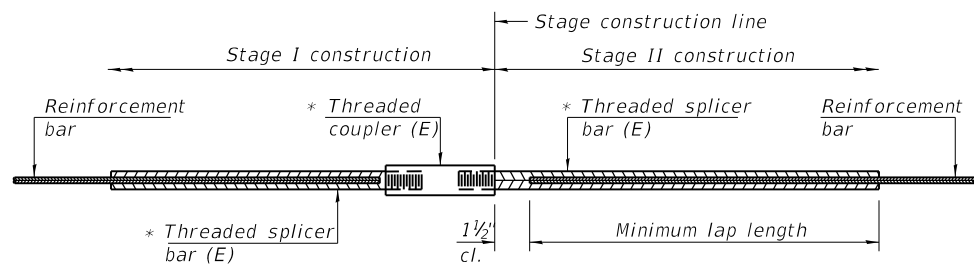
** Space s₄₀(E) bars to miss anchor bolts (1'-6" Spa. max.).



CAP PLAN SHOWING ANCHOR BOLT LOCATIONS
(Pier 1 shown, Pier 2 similar)



FILE NAME: N:\PROJ\020795-01\Design\Structural\CAD\0160852-20795-46-PIERDETAILS2.dgn

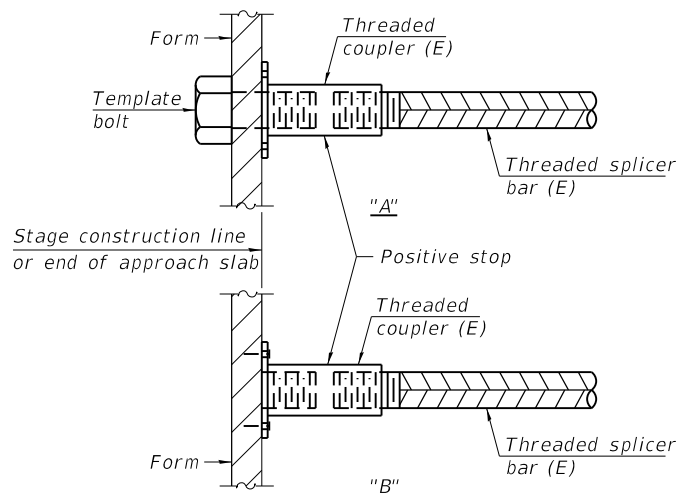


STANDARD BAR SPLICER ASSEMBLY

Threaded splicer bar length = min. lap length + 1 1/2" + thread length

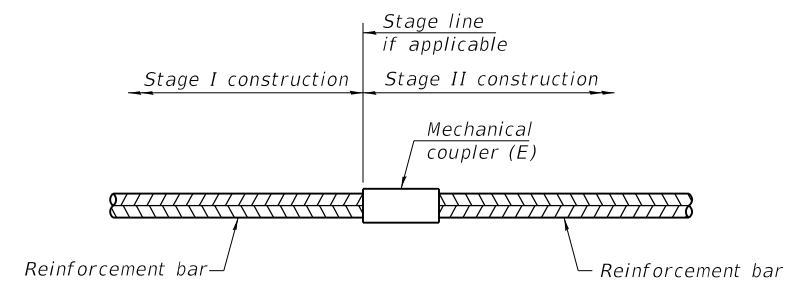
* Epoxy not required on Bar Splicer Assembly components used in conjunction with black bars.

Location	Bar Size	No. assemblies Required	Minimum lap length
W. Abut.	#5	4	3'-7"
W. Abut.	#6	5	4'-4"
W. Abut.	#7	19	5'-0"
E. Abut.	#5	4	3'-7"
E. Abut.	#6	5	4'-4"
E. Abut.	#7	19	5'-0"
Deck, Top	#5	1,113	3'-6"
Deck, Top	#6	10	4'-0"
Deck, Bottom	#5	702	3'-6"
Deck, Bottom	#6	10	4'-0"
W. App. Slab	#5	33	3'-4"
W. App. Slab	#8	46	6'-9"
W. App. Ftg.	#5	40	3'-7"
E. App. Slab	#5	33	3'-4"
E. App. Slab	#8	46	6'-9"
E. App. Ftg.	#5	40	3'-7"



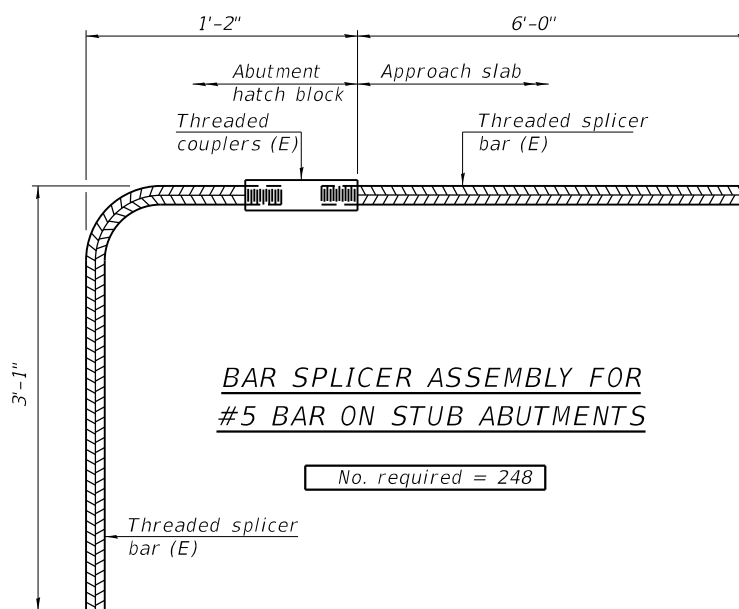
INSTALLATION AND SETTING METHODS

"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
Pier 1	#9	260
Pier 2	#9	260



BAR SPLICER ASSEMBLY FOR #5 BAR ON STUB ABUTMENTS

No. required = 248

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 requirement for reinforcement bars. See Section 508 of the Standard Specifications.
- See approved list of bar splicer assemblies and mechanical splicers for alternatives.

FILE NAME: N:\PROJ\020795-01\Design\Structural\CAD\0160852-20795-47-barsplice.dgn

BSD-1

11-22-2016



ENGINEERING CONSULTANT	USER NAME = kcisneros	DESIGNED - MLK	REVISED -
		CHECKED - BS	REVISED -
	PLOT SCALE = 0:2.0000 "/> <td>DRAWN - SBA</td> <td>REVISED -</td>	DRAWN - SBA	REVISED -
	PLOT DATE = 8/15/2019	CHECKED - BS	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BAR SPLICER ASSEMBLY AND MECHANICAL SPLICER DETAILS
STRUCTURE NO. 016-0852

SHEET NO. S-47 OF S-48 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	267-0101.3-B-R	COOK	120	102
CONTRACT NO. 62F95				
ILLINOIS FED. AID PROJECT NHPP-XG1Q(992)				



Illinois Department of Transportation
Division of Highways
GSG Consultants, Inc.

SOIL BORING LOG

Page 1 of 1

Date 3/21/19

ROUTE FAI I-90/94 DESCRIPTION West Side of Montrose Avenue Bridge LOGGED BY EP

SECTION 267-0101.3-B-R LOCATION Montrose Ave. SEC., TWP., RNG.,

COUNTY Cook DRILLING METHOD HSA HAMMER TYPE AUTO

STRUCT. NO. 016-0852
Station 23+37.66

BORING NO. B-1
Station 20+36.98
Offset 21.50 Lt.
Ground Surface Elev. 607.06 ft

DEPTH (ft)	BLOW COUNT (blows/6")	UNIFIED SOIL CLASSIFICATION (USCS)	MOISTURE (%)	SOIL DESCRIPTION	DEPTH (ft)	BLOW COUNT (blows/6")	UNIFIED SOIL CLASSIFICATION (USCS)	MOISTURE (%)	SOIL DESCRIPTION
606.77				3.5 inches of Asphalt					
605.81				11.5 inches of Concrete with Rebar					
				Brown, Moist FILL: SAND, with gravel					NR
603.56				Very Stiff Brown and Gray, Moist SILTY CLAY, trace gravel (CL/ML)	2				(continued)
	3				4	1.9		15	
	5	4.0	20		6	B			
	6	B							
601.06				Stiff to Very Stiff Gray, Moist SILTY CLAY, trace gravel (CL/ML)	2				
	4	1.7	18		5	3.3		14	
	5	B			8	B			
	1				3				
	2	2.5	18		6	4.0		17	
	3	B			10	B			
	1				3				
	3	1.7	18		7	3.1		18	
	3	B			9	B			
	3				3				
	5		18		7	3.5		18	
	7				9	B			
	2				2				
	5	1.9	20		6	2.7		13	
	6	B			8	B			
	2				2				
	4	1.9	20		4	2.3		12	
	5	B			7	B			

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



Illinois Department of Transportation
Division of Highways
GSG Consultants, Inc.

SOIL BORING LOG

Page 1 of 1

Date 3/19/19

ROUTE FAI I-90/94 DESCRIPTION East Side of Montrose Avenue Bridge LOGGED BY EP

SECTION 267-0101.3-B-R LOCATION Montrose Ave. SEC., TWP., RNG.,

COUNTY Cook DRILLING METHOD HSA HAMMER TYPE AUTO

STRUCT. NO. 016-0852
Station 23+37.66

BORING NO. B-2
Station 26+15.93
Offset 27.79 Lt.
Ground Surface Elev. 609.56 ft

DEPTH (ft)	BLOW COUNT (blows/6")	UNIFIED SOIL CLASSIFICATION (USCS)	MOISTURE (%)	SOIL DESCRIPTION	DEPTH (ft)	BLOW COUNT (blows/6")	UNIFIED SOIL CLASSIFICATION (USCS)	MOISTURE (%)	SOIL DESCRIPTION
609.31				3 inches of Asphalt					
608.56				9 inches of Concrete					
				Very Stiff to Hard Brown and Gray, Moist SILTY CLAY, trace gravel (CL/ML)	2				Stiff to Hard Gray, Moist SILTY CLAY, trace gravel (CL/ML) (continued)
	4	3.0	19		5	2.5		19	
	6	P			13	B			
	3				3				
	5	3.5	19		7	2.7		18	
	8	P			8	B			
	4				3				
	6	4.4	18		6	2.1		18	
	9	B			9	B			
	2				2				
	5	2.9	19		6	3.3		15	
	8	B			9	B			
	2				4				
	5	2.7	19		7	3.3		16	
	6	B			13	B			
	3				3				
	8	4.2	17		8	4.2		17	
	6	B			15	B			
	2				5				
	4	2.5	19		9	4.2		16	
	6	B			14	B			
	3				5				
	3	2.9	20		8	4.2		17	
	6	B			15	B			
	2				5				
	4	2.5	19		9	4.2		16	
	6	B			14	B			
	3				5				
	5	2.0	17		11				
	6	P			12			21	

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

FILE NAME: N:\PROJ\020795-01\Design\Structural\CAD\0160852-20795-48-boring.dgn

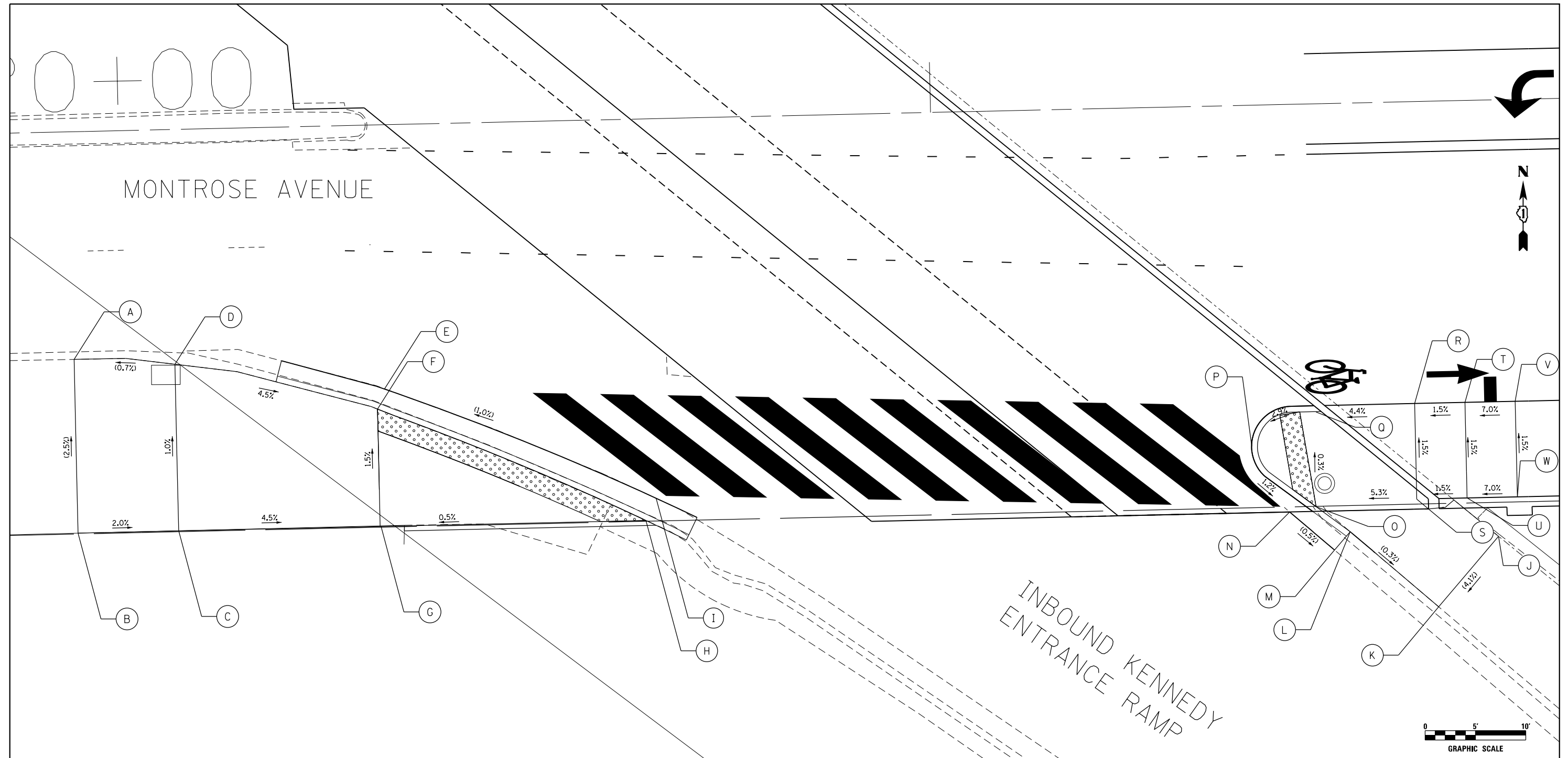
	ENGINEERING CONSULTANT	USER NAME = kcisneros	DESIGNED - MLK	REVISED -
			CHECKED - BS	REVISED -
		PLOT SCALE = 0:2,0000 " / in.	DRAWN - SBA	REVISED -
		PLOT DATE = 8/15/2019	CHECKED - BS	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SOIL BORINGS
STRUCTURE NO. 016-0852**

SHEET NO. S-48 OF S-48 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	267-0101.3-B-R	COOK	120	103
CONTRACT NO. 62F95				
ILLINOIS FED. AID PROJECT NHPXG1Q(992)				



	STATION	OFFSET (FT)	ELEVATION		STATION	OFFSET (FT)	ELEVATION
A	20+14.36	22.62 RT	(607.64)	F	20+44.40	28.24 RT	606.79
B	20+14.36	39.90 RT	(608.07)	G	20+44.47	39.88 RT	607.27
C	20+24.36	39.88 RT	607.87	H	20+70.81	39.91 RT	607.09
D	20+24.36	23.34 RT	(607.71)	I	20+71.89	37.74 RT	(607.15)
E	20+45.13	26.26 RT	(606.85)				

	STATION	OFFSET (FT)	ELEVATION		STATION	OFFSET (FT)	ELEVATION
J	21+55.49	43.38 RT	(608.42)	O	21+37.60	30.63 RT	607.92
K	21+49.38	50.25 RT	(608.04)	R	21+47.45	30.00 RT	608.34
L	21+40.76	42.59 RT	(608.07)	S	21+47.45	39.50 RT	608.48
M	21+39.16	44.39 RT	(607.53)	T	21+52.45	30.00 RT	608.41
N	21+34.79	40.50 RT	(607.56)	U	21+52.45	39.50 RT	608.55
O	21+37.42	40.03 RT	607.95	V	21+57.45	30.00 RT	608.76
P	21+31.16	33.85 RT	607.68	W	21+57.45	39.50 RT	608.90

DATE PLOTTED = 8/15/2019 5:05:24 PM
 PEN TABLE = C:\VDD\TCAD\CON\Plotting\ACI.PDF-plotting.tbl
 FILE NAME = N:\VDD\267\26715\26715.dwg

ENGINEERING CONSULTANT

 8725 W. Higgins Road, Suite 600 Chicago, IL 60631
 P 773.775.6009 | www.ciorba.com

USER NAME = jmatton
 PLOT SCALE = 10.0000' / 1" =
 PLOT DATE = 8/15/2019

DESIGNED - MLH
 DRAWN - MLH
 CHECKED - EPS
 DATE - 8/12/2019

REVISED -
 REVISED -
 REVISED -
 REVISED -

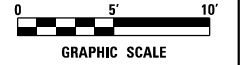
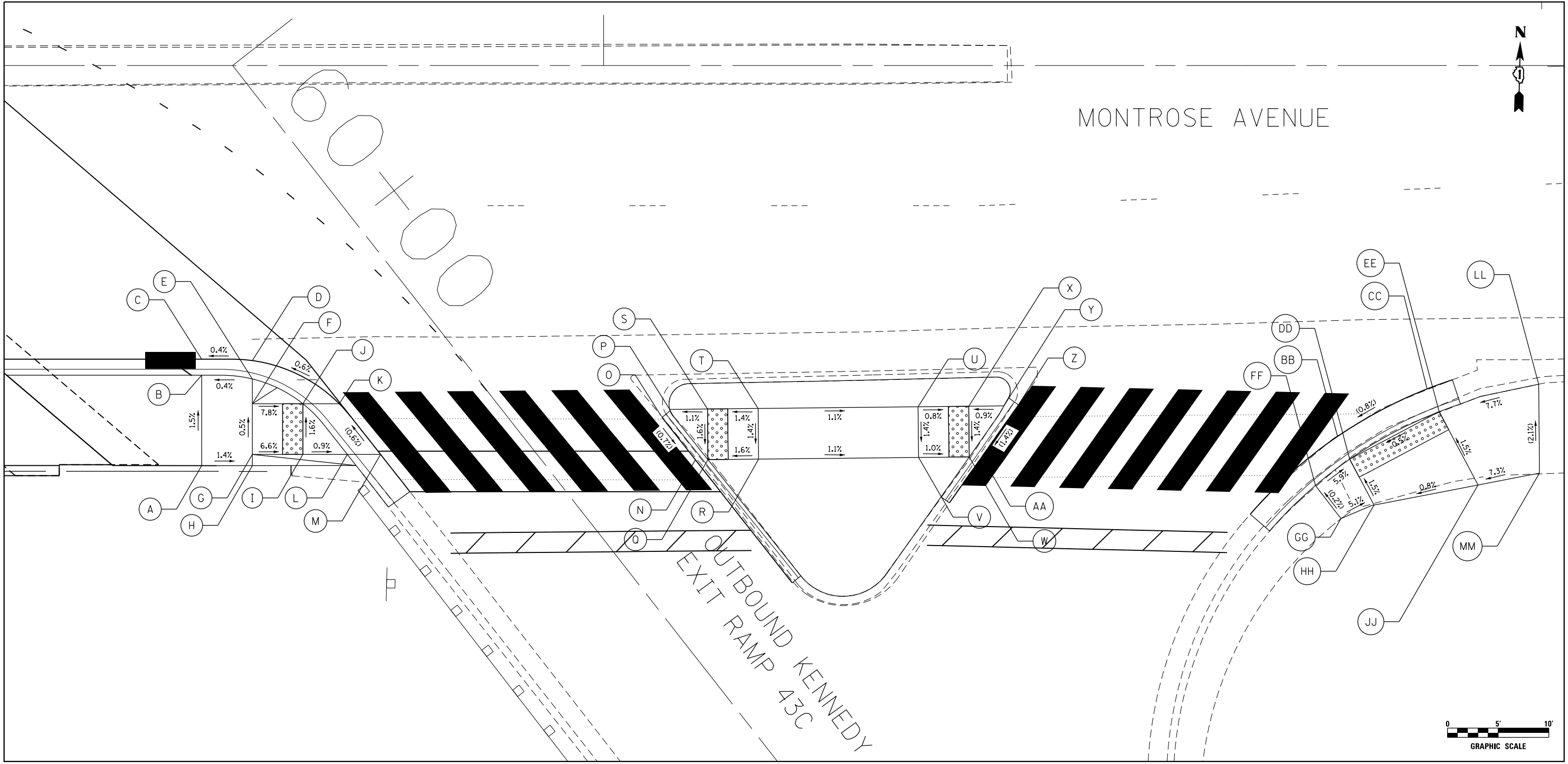
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.I. 94 (INTERSTATE 94) AT MONTROSE AVENUE
ADA DETAILS

SCALE: 1" = 5' SHEET NO. 1 OF 2 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	267-0101.3-B-R	COOK	120	104
CONTRACT NO. 62F95				
ILLINOIS FED. AID PROJECT NHPP-XG101992				

MONTROSE AVENUE



	STATION	OFFSET (FT)	ELEVATION		STATION	OFFSET (FT)	ELEVATION
A	26+60.32	39.51 RT	609.38	K	26+73.91	33.40 RT	(608.95)
B	26+60.32	30.58 RT	609.25	L	26+74.69	38.40 RT	608.93
C	26+60.32	29.00 RT	608.87	M	26+77.98	38.40 RT	(608.99)
D	26+65.32	29.14 RT	608.89	N	27+09.06	38.93 RT	(608.77)
E	26+65.32	30.95 RT	609.27	O	27+05.65	34.56 RT	(608.81)
F	26+65.32	33.40 RT	609.28	P	27+06.53	33.96 RT	608.80
G	26+65.32	38.40 RT	609.30	Q	27+10.30	38.92 RT	608.76
H	26+65.32	39.51 RT	609.31	R	27+15.30	38.87 RT	608.84
I	26+70.32	38.40 RT	608.97	S	27+10.25	33.92 RT	608.84
J	26+70.32	33.40 RT	608.89	T	27+15.25	33.87 RT	608.91

	STATION	OFFSET (FT)	ELEVATION		STATION	OFFSET (FT)	ELEVATION
U	27+31.04	33.70 RT	608.74	EE	27+82.48	36.68 RT	608.77
V	27+31.09	38.70 RT	608.67	FF	27+70.27	41.47 RT	(608.97)
W	27+36.09	38.65 RT	608.62	GG	27+72.79	44.74 RT	(608.98)
X	27+36.04	33.65 RT	608.70	HH	27+76.05	45.90 RT	608.80
Y	27+39.51	33.62 RT	608.73	JJ	27+86.32	43.92 RT	608.89
Z	27+40.88	33.60 RT	(608.74)	LL	27+92.31	31.47 RT	(609.16)
AA	27+37.34	38.64 RT	(608.63)	MM	27+92.38	40.25 RT	(609.34)
BB	27+72.45	39.12 RT	(608.80)				
CC	27+81.29	34.44 RT	(608.85)				
DD	27+73.65	41.36 RT	608.72				

DATE PLOTTED = 8/15/2019 5:05:24 PM
 PEN TABLE = C:\VDD\TCAD\CON\Plotting\ACI_PDF.plt
 FILE NAME = N:\VDD\TCAD\CON\Design\267-0101.3-B-R\267-0101.3-B-R.dgn

ENGINEERING CONSULTANT

 8725 W. Higgins Road, Suite 600 | Chicago, IL 60631
 P 773.775.6009 | www.ciorba.com

USER NAME = jmatton
 PLOT SCALE = 10.0000' / 1" =
 PLOT DATE = 8/15/2019

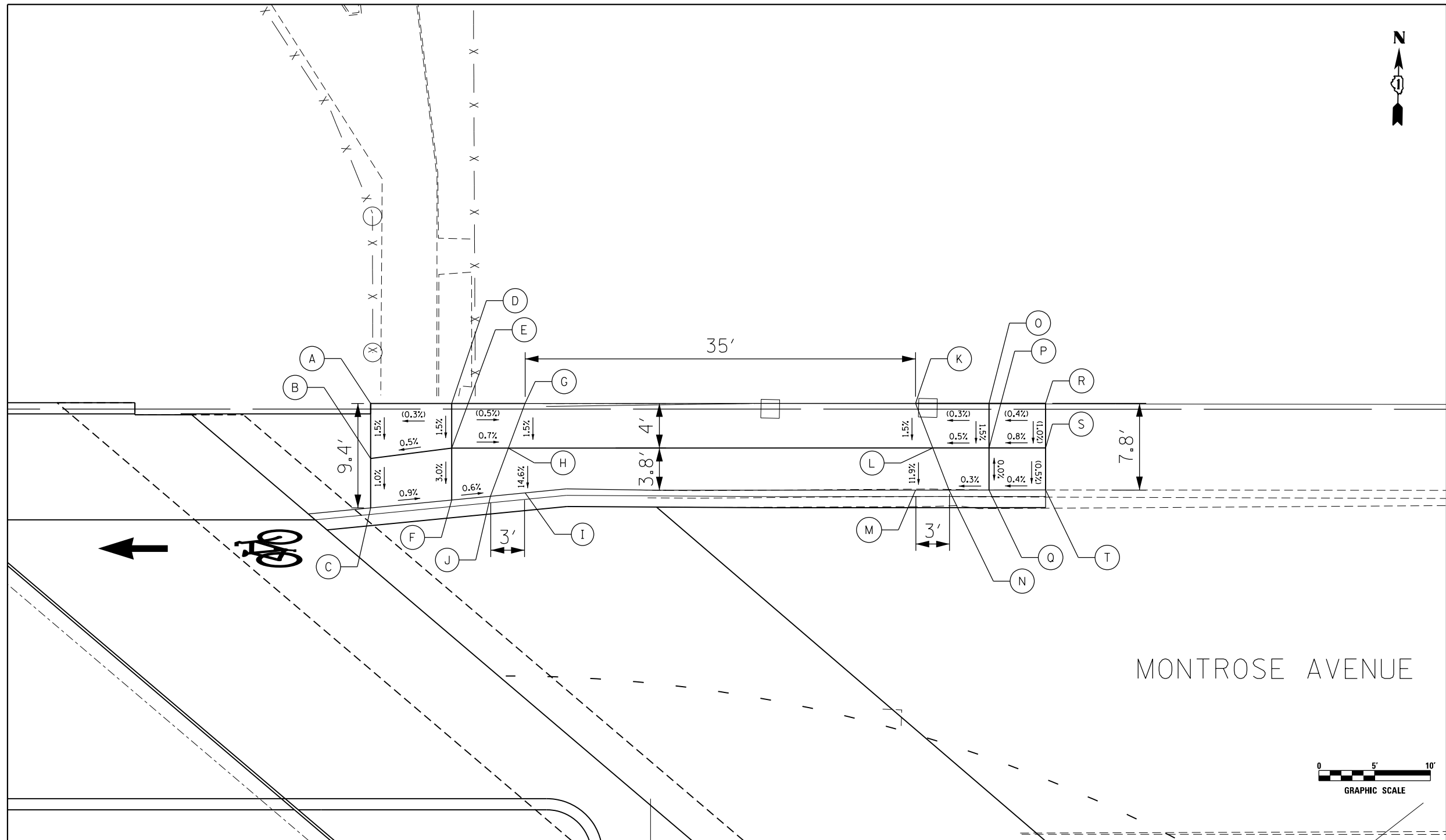
DESIGNED - MLH
 DRAWN - MLH
 CHECKED - EPS
 DATE - 8/12/2019

REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.I. 94 (INTERSTATE 94) AT MONTROSE AVENUE
ADA DETAILS
 SCALE: 1" = 5' SHEET NO. 2 OF 2 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	267-0101.3-B-R	COOK	120	105
CONTRACT NO. 62F95				
ILLINOIS FED. AID PROJECT NHPP-XG101992				



	STATION	OFFSET (FT)		ELEVATION		STATION	OFFSET (FT)		ELEVATION
A	25+74.91	40.43	LT	(609.90)		K	26+23.74	40.42	LT (609.72)
B	25+74.91	35.50	LT	609.82		L	26+25.29	36.45	LT 609.66
C	25+74.91	31.07	LT	609.78		M	26+23.75	32.67	LT (609.17)
D	25+82.17	40.43	LT	(609.92)		N	26+26.75	32.67	LT (609.67)
E	25+82.17	36.43	LT	609.86		O	26+30.33	40.45	LT (609.74)
F	25+82.17	31.78	LT	609.72		P	26+30.33	36.45	LT 609.68
G	25+88.75	40.44	LT	(609.89)		Q	26+30.33	32.68	LT (609.68)
H	25+87.26	36.44	LT	609.83		R	26+35.41	40.46	LT (609.76)
I	25+88.75	32.42	LT	609.20		S	26+35.41	36.46	LT (609.72)
J	25+85.64	32.13	LT	609.70		T	26+35.41	32.68	LT (609.70)

DATE PLOTTED = 8/15/2019 5:05:26 PM
 PEN TABLE = 0/207/95/01.tbl
 PLOT CONFIG = C:\VDD\TCAD\CON\Plotting\ACCI_PDF.plt
 FILE NAME = N:\PROJECTS\2019\267-0101.3-B-R\Design\267-0101.3-B-R-Driveway\Detail101.dgn

ENGINEERING CONSULTANT

 8725 W. Higgins Road, Suite 600 Chicago, IL 60631
 P 773.775.6009 | www.ciorba.com

USER NAME = jmatton
 PLOT SCALE = 10.0000' / 1"
 PLOT DATE = 8/15/2019

DESIGNED - MLH
 DRAWN - MLH
 CHECKED - EPS
 DATE - 8/12/2019

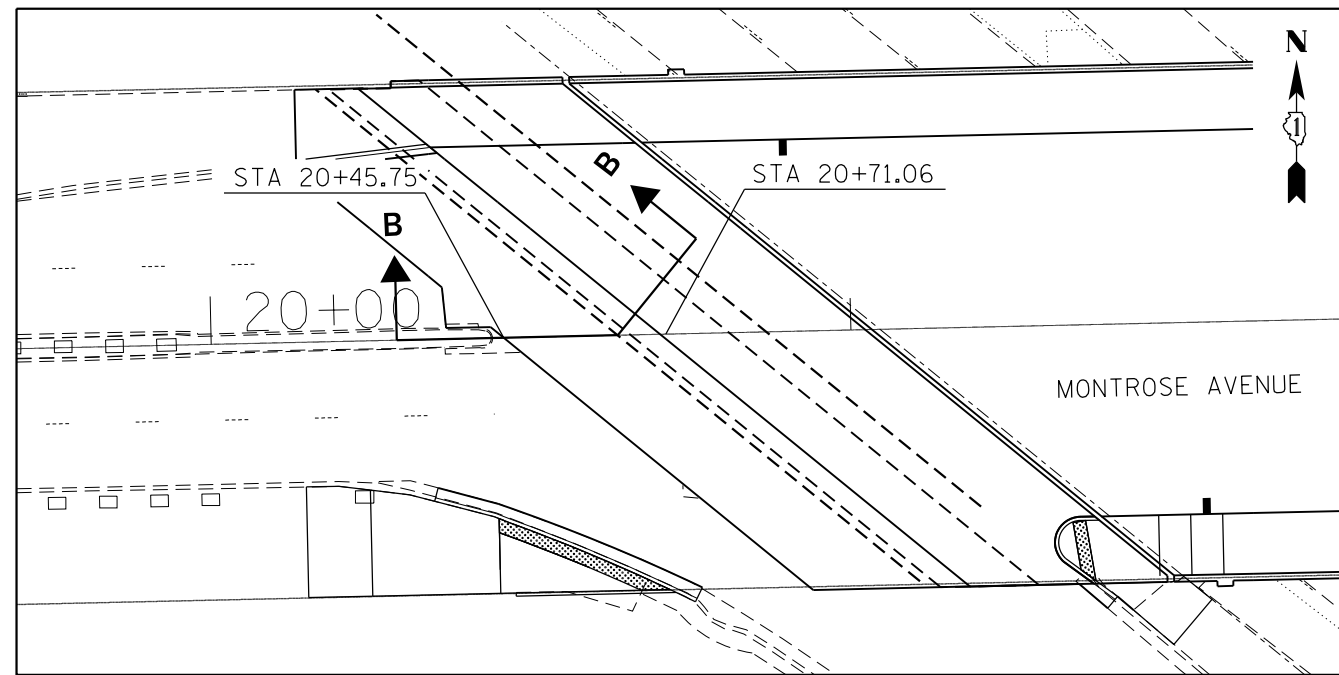
REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

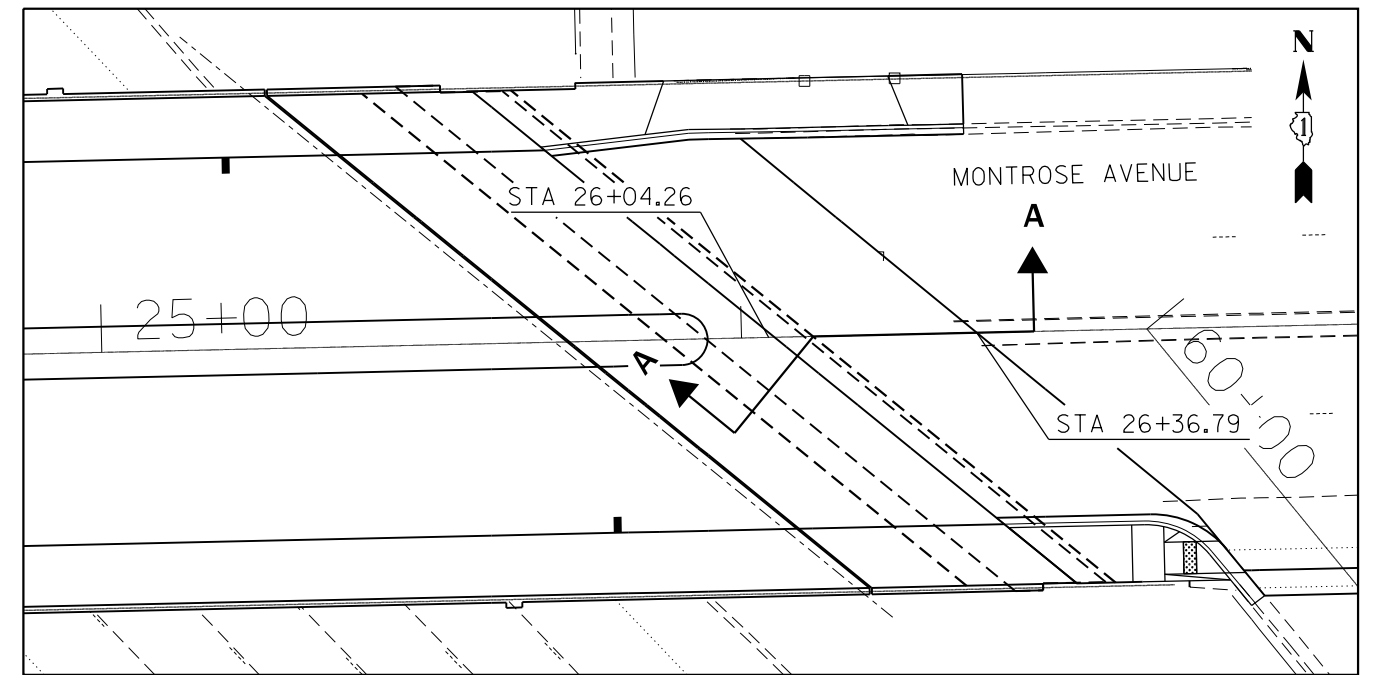
F.A.I. 94 (INTERSTATE 94) AT MONTROSE AVENUE
DRIVEWAY DETAILS

SCALE: 1" = 5' SHEET NO. 1 OF 1 SHEETS STA. TO STA.

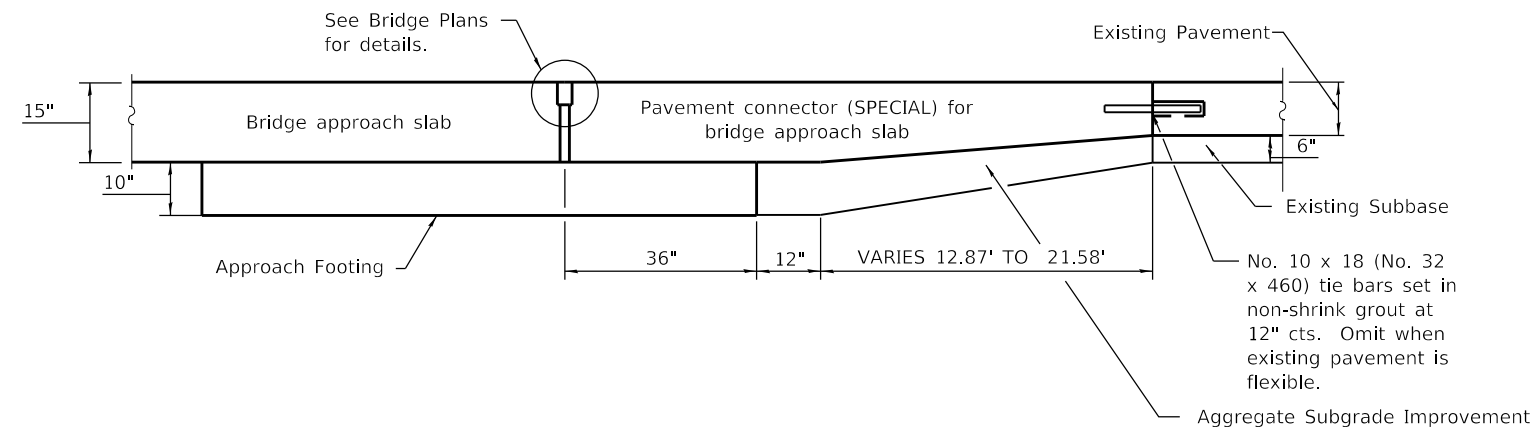
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	267-0101.3-B-R	COOK	120	106
CONTRACT NO. 62F95				
ILLINOIS FED. AID PROJECT NHPP-XG101992				



PLAN VIEW



PLAN VIEW

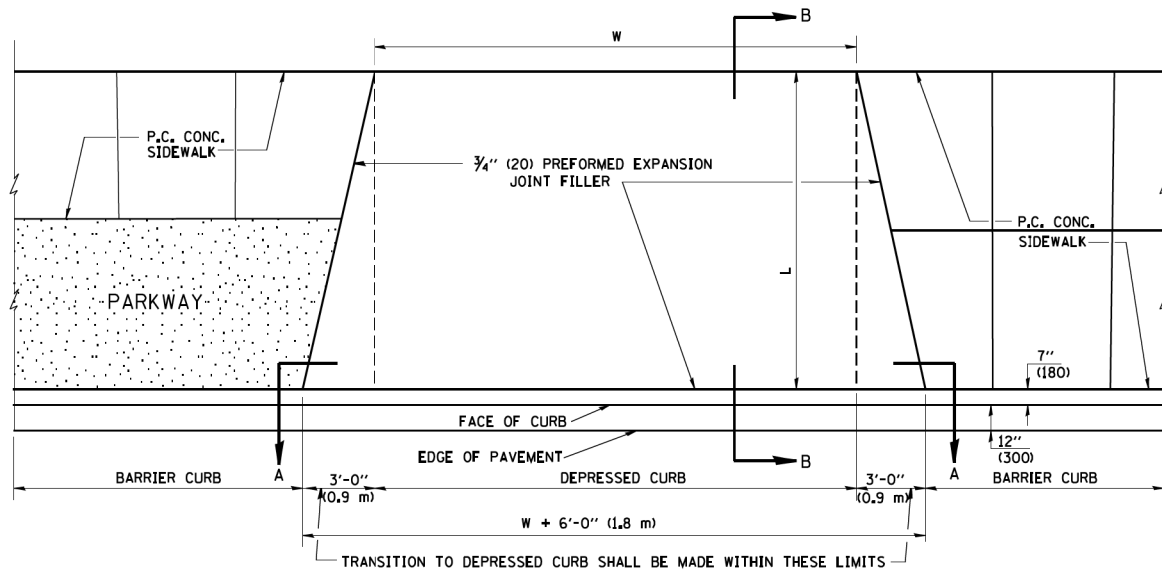


**SECTION A-A
(SECTION B-B IS A MIRROR IMAGE)**

DATE PLOTTED = 8/15/2019 1:04:44 PM
 PEN TABLE = 0020795.tbl
 PLOT CONFIG = C:\VDDOT\CAO\CON\Plotting\ACI_PDF.ctb
 FILE NAME = N:\PROJ\0020795\01\Design\06\01\02\07\05_01.dwt

USER NAME = jmatton	DESIGNED - DTJ	REVISED -
PLOT SCALE = 2.0000' / in.	DRAWN - DTJ	REVISED -
PLOT DATE = 8/15/2019	CHECKED - JMV	REVISED -
	DATE - 8/12/2019	REVISED -

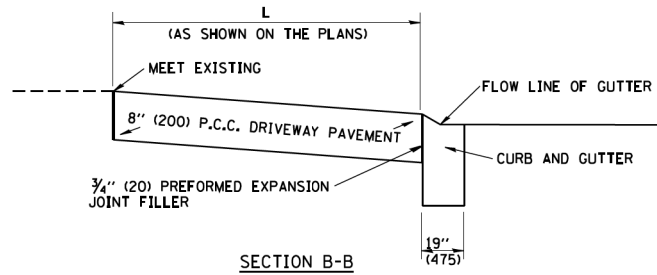
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	267-0101.3-B-R	COOK	120	107
CONTRACT NO. 62F95				
ILLINOIS FED. AID PROJECT NHPP-XG101992				



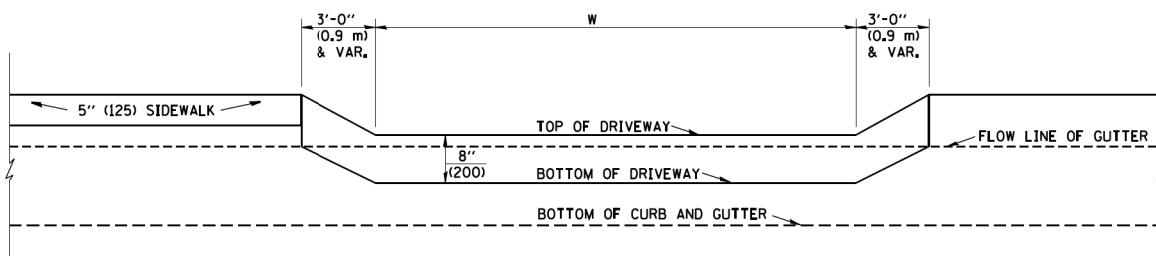
PLAN VIEW

NOTES:

1. EXPANSION JOINTS SHALL BE CONSTRUCTED AS SHOWN ON THE DETAILS FOR P.C.C. SIDEWALK.
2. THE CURB BETWEEN ADJACENT DRIVEWAYS SHALL BE FULL HEIGHT FOR A DISTANCE OF AT LEAST FOUR FEET (1.2 METERS)
3. P.C. CONCRETE DRIVEWAYS SHALL BE CONSTRUCTED AT LOCATIONS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.
4. 3/4\" (20) PREFORMED EXPANSION JOINTS WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCIDENTAL TO P.C.C. DRIVEWAY PAVEMENT 8\" (200).
5. COMBINATION CONC. CURB AND GUTTER SHALL BE MEASURED STRAIGHT ACROSS THE DRIVEWAY. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR THE TRANSITION CURB AND GUTTER.

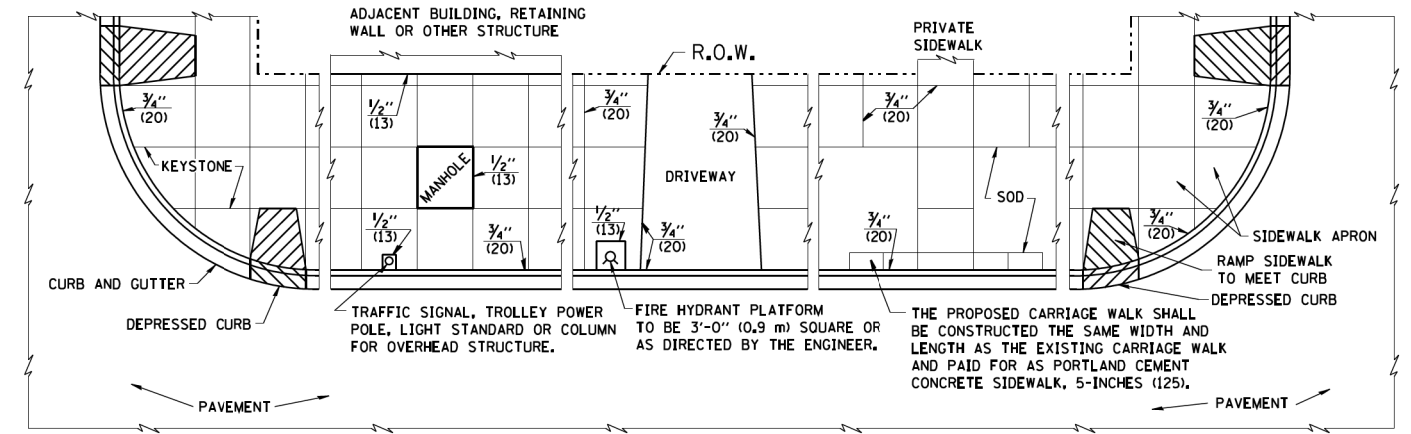


SECTION B-B



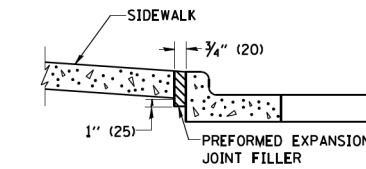
SECTION A-A

P.C.C. DRIVEWAY PAVEMENT DETAIL



NOTES:

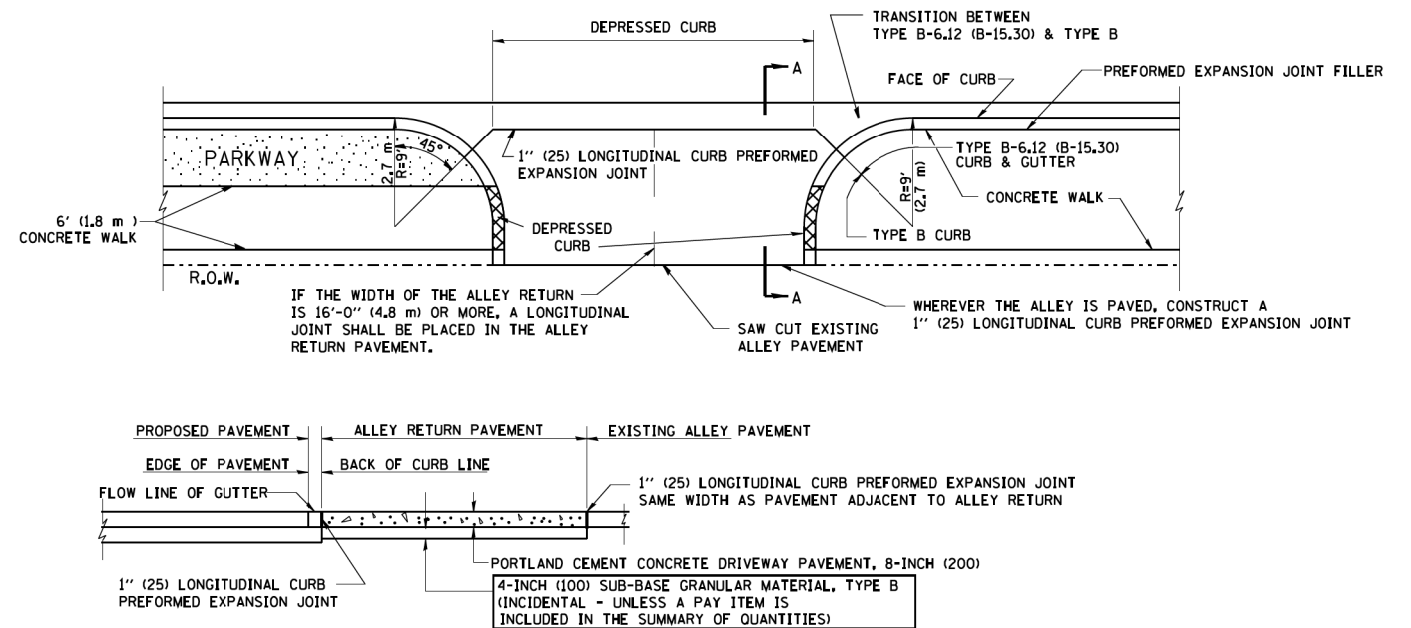
1. ONE-HALF INCH THICK EXPANSION JOINTS SHALL BE PLACED BETWEEN THE SIDEWALK AND ALL STRUCTURES SUCH AS LIGHT STANDARDS, TRAFFIC LIGHT STANDARDS, MANHOLES, WHICH EXTEND THROUGH THE SIDEWALK.
2. 3/4\" (20) THICK EXPANSION JOINTS SHALL BE PLACED AT INTERVALS OF NOT MORE THAN 100 FEET (30 METERS) IN THE SIDEWALK. WHERE THE SIDEWALK IS CONSTRUCTED ADJACENT TO PAVEMENT OR CURB HAVING EXPANSION JOINTS, THE EXPANSION JOINTS IN THE SIDEWALK SHALL BE PLACED OPPOSITE THE EXISTING EXPANSION JOINTS AS NEARLY AS PRACTICABLE. EXPANSION JOINTS SHALL ALSO BE PLACED WHERE THE SIDEWALK ABUTS EXISTING SIDEWALKS, BETWEEN DRIVEWAY PAVEMENT AND SIDEWALK, AND BETWEEN SIDEWALK AND CURBS WHERE THE SIDEWALK ABUTS A CURB.



SLOPE FOR SIDEWALK
1\" (25) IN 3'-0\" (0.9 m) IN CHICAGO

PORTLAND CEMENT CONCRETE SIDEWALK DETAILS

NOTES: NO EXTRA COMPENSATION SHALL BE ALLOWED FOR THE GUTTER FLARE



SECTION A-A

ALLEY RETURN DETAIL

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

DATE PLOTTED = 8/15/2008 1:04:45 PM
PEN TABLE = 0020795.01.tbl
PLOT CONFIG = C:\VDD\TCAD\CONP\Plotting\ACGI.PDF.ctb
FILE NAME = N:\PROJ\0828795\Design\Details\0828795.01.dwg; 1:04:45 PM

FILE NAME = W:\d\stata\22x34\bd17.dgn

USER NAME = gegl1enobt
PLOT SCALE = 50.0000 / IN.
PLOT DATE = 1/4/2008

DESIGNED - M. DE YONG
DRAWN -
CHECKED -
DATE - 06-13-90

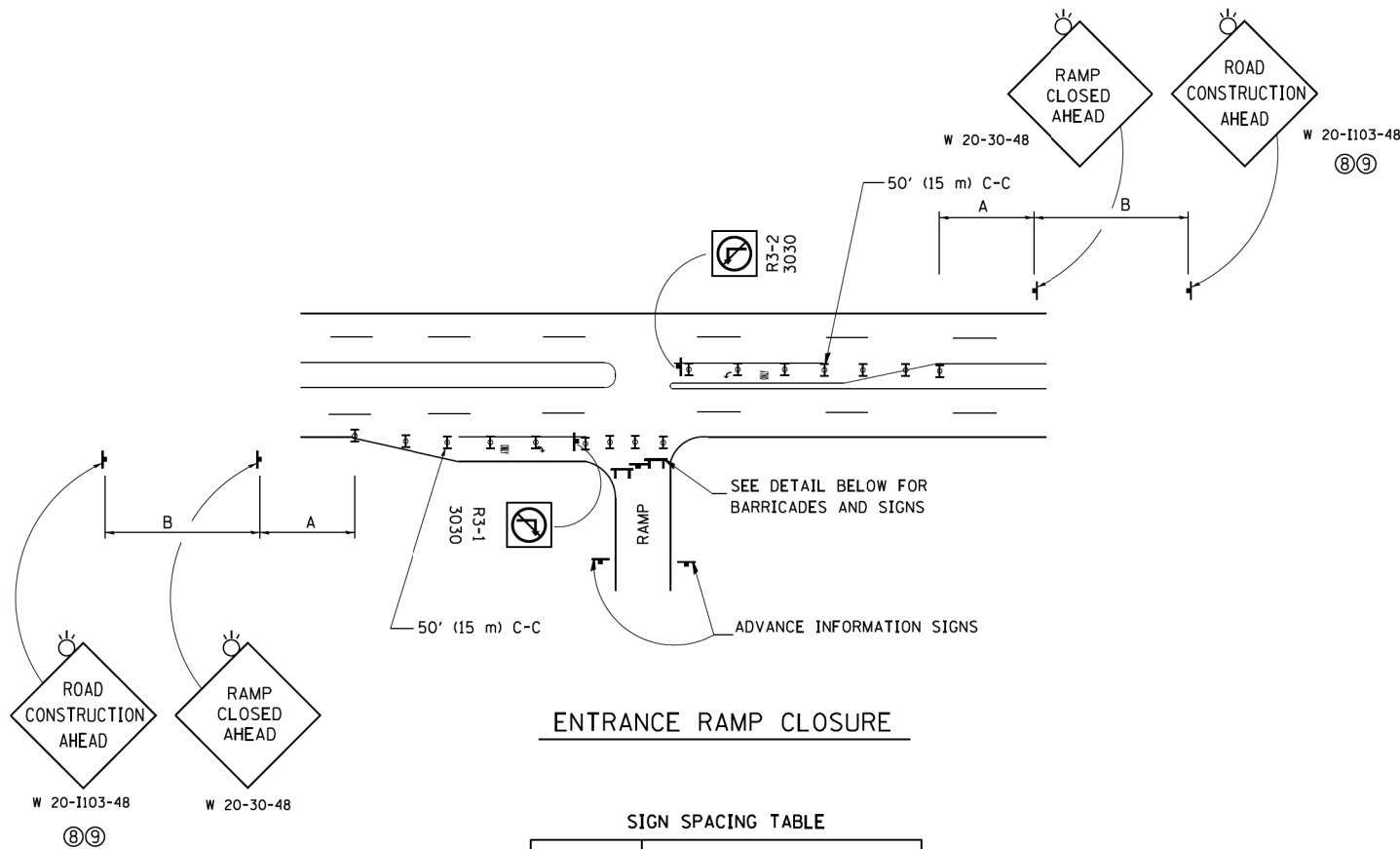
REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CITY OF CHICAGO
DETAILS FOR P.C. CONCRETE DRIVEWAY, ALLEY RETURN AND SIDEWALK

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

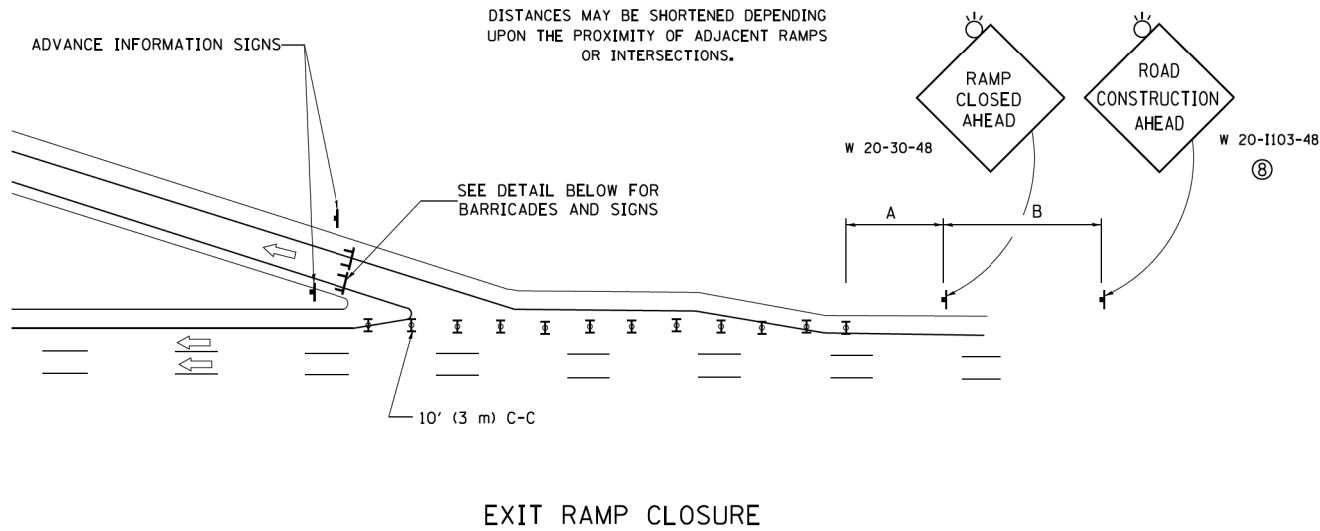
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	267-0101.3-B-R	COOK	120	108
BD400-03 (BD-17)		CONTRACT NO. 62F95		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT NHPP-XG10(992)				



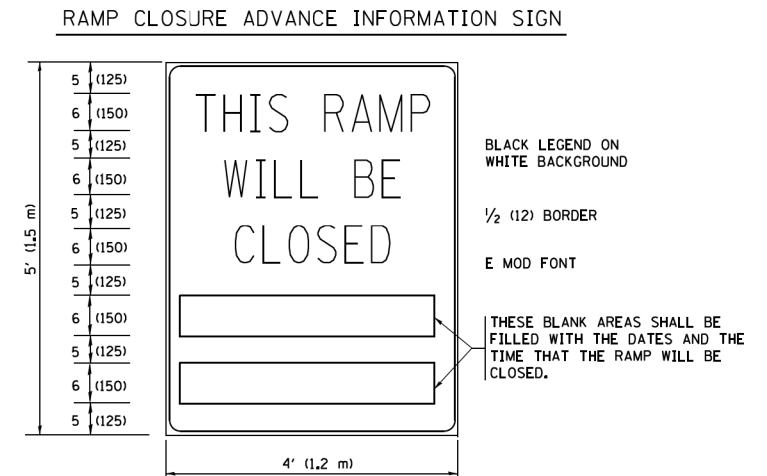
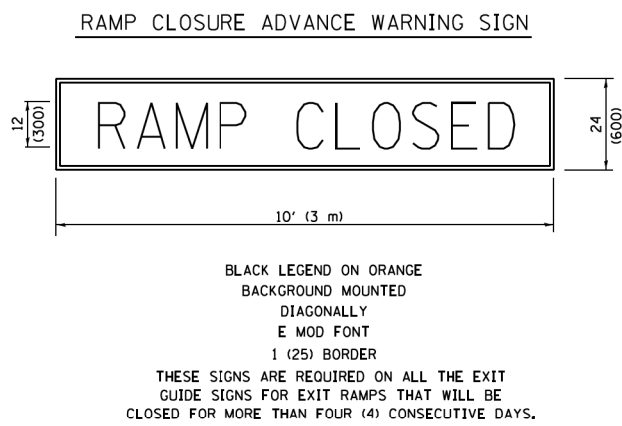
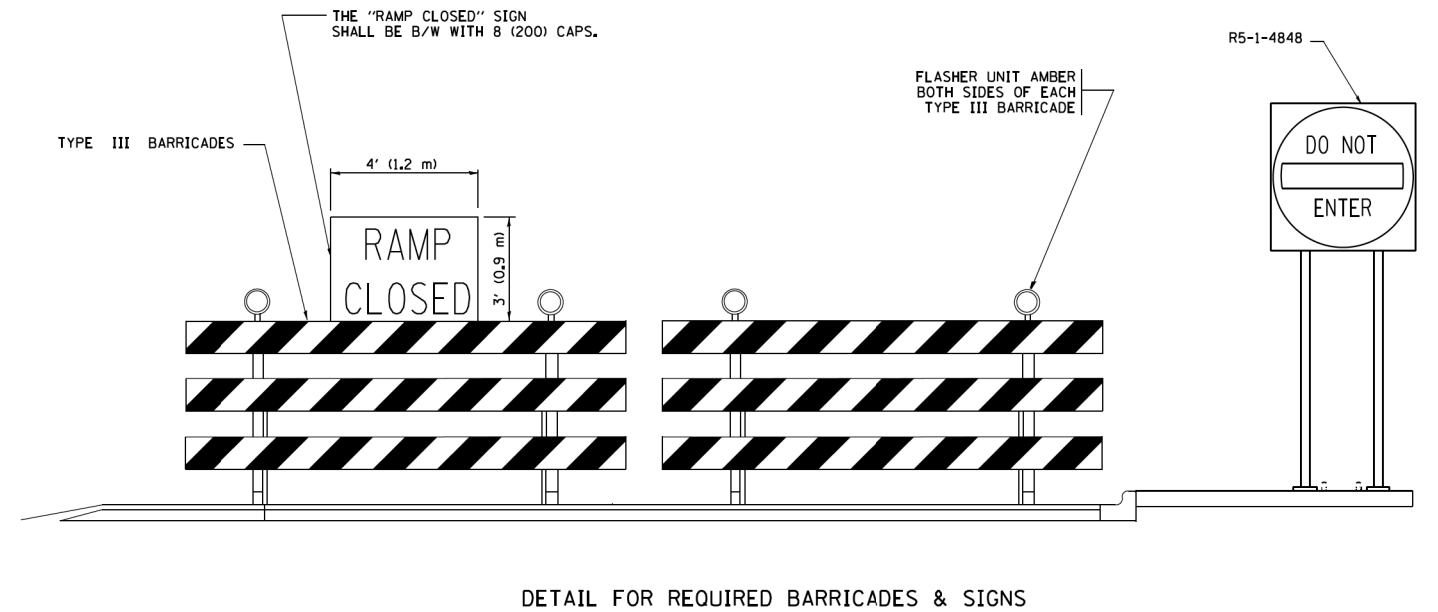
SIGN SPACING TABLE

FACILITY	DISTANCE BETWEEN SIGNS	
	A	B
EXPRESSWAY >24 HOURS	1000' (300 m)	1500' (450 m)
EXPRESSWAY ≤24 HOURS	500' (150 m)	500' (150 m)
ARTERIAL 55 MPH	500' (150 m)	500' (150 m)
ARTERIAL 50-45 MPH	350' (100 m)	350' (100 m)
ARTERIAL <45 MPH	200' (60 m)	200' (60 m)

DISTANCES MAY BE SHORTENED DEPENDING UPON THE PROXIMITY OF ADJACENT RAMPS OR INTERSECTIONS.



- SYMBOLS**
- ⌈ TYPE II BARRICADE OR DRUM
 - ⌈ TYPE III BARRICADE WITH 2 FLASHING LIGHTS



THESE SIGNS ARE REQUIRED ON BOTH SIDES OF THE RAMP, MINIMUM OF 1 WEEK IN ADVANCE OF THE CLOSURE.

THESE SIGNS SHALL BE FABRICATED AND PAID FOR ACCORDING TO THE TEMPORARY INFORMATION SIGNING SPECIAL PROVISION

- GENERAL NOTES:**
- ① CONES MAY BE SUBSTITUTED FOR DRUMS OR TYPE II BARRICADES DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (700) HIGH.
 - ② VERTICAL BARRICADES SHALL NOT BE USED FOR RAMP CLOSURES.
 - ③ A FLAGGER SHALL BE POSITIONED AT EACH CLOSED RAMP THAT IS OPEN TO CONSTRUCTION VEHICLES, PRECEDED BY A W20-7 FLAGGER WARNING SIGN.
 - ④ ALL ROUTE MARKERS AND TRAILBLAZER ASSEMBLIES WHICH DIRECT MOTORISTS TO A CLOSED ENTRANCE RAMP SHALL BE COVERED WHEN THE RAMP IS CLOSED FOR MORE THAN FOUR (4) DAYS.
 - ⑤ THE SIGNING AND BARRICADING WHICH IS REQUIRED BY THIS DETAIL SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS).
 - ⑥ AUTHORIZATION FROM THE DISTRICT'S BUREAU OF TRAFFIC IS REQUIRED FOR ALL RAMP CLOSURES.
 - ⑦ THE RAMP CLOSURE ADVANCE INFORMATION SIGNS SHALL BE ERECTED IF THE CLOSURE TIME EXCEEDS TWENTY-FOUR (24) HOURS, ADDITIONAL ADVANCE WARNING SIGNS ON EXIT GUIDE SIGNING WILL BE REQUIRED FOR EXIT RAMP CLOSURES THAT EXCEED FOUR (4) DAYS IN LENGTH
 - ⑧ ROAD CONSTRUCTION AHEAD SIGNS MAY BE OMITTED WHEN THIS DETAIL IS USED IN CONJUNCTION WITH OTHER TRAFFIC CONTROL THAT ALREADY INCLUDES A ROAD CONSTRUCTION AHEAD SIGN.
 - ⑨ ARTERIAL ROAD CONSTRUCTION AHEAD SIGNS SHALL BE INSTALLED ON THE LEFT SIDE OF TRAFFIC IF THE MEDIAN IS MORE THAN 10 FT WIDE.

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

FILE NAME =	USER NAME = footemj	DESIGNED - D.W.S.	REVISED - S.P.B. 01-07
pwt\11084EBID\INTEG\illinois.gov\FWIDOT\Documents\DOT Offices\District 1\Projects\Dist		DRAWN	REVISED - S.P.B. 12-09
		CHECKED -	REVISED - M.D. 06-13
Default	PLOT DATE = 11/27/2017	DATE - 02-83	REVISED - M.D. 01-18

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

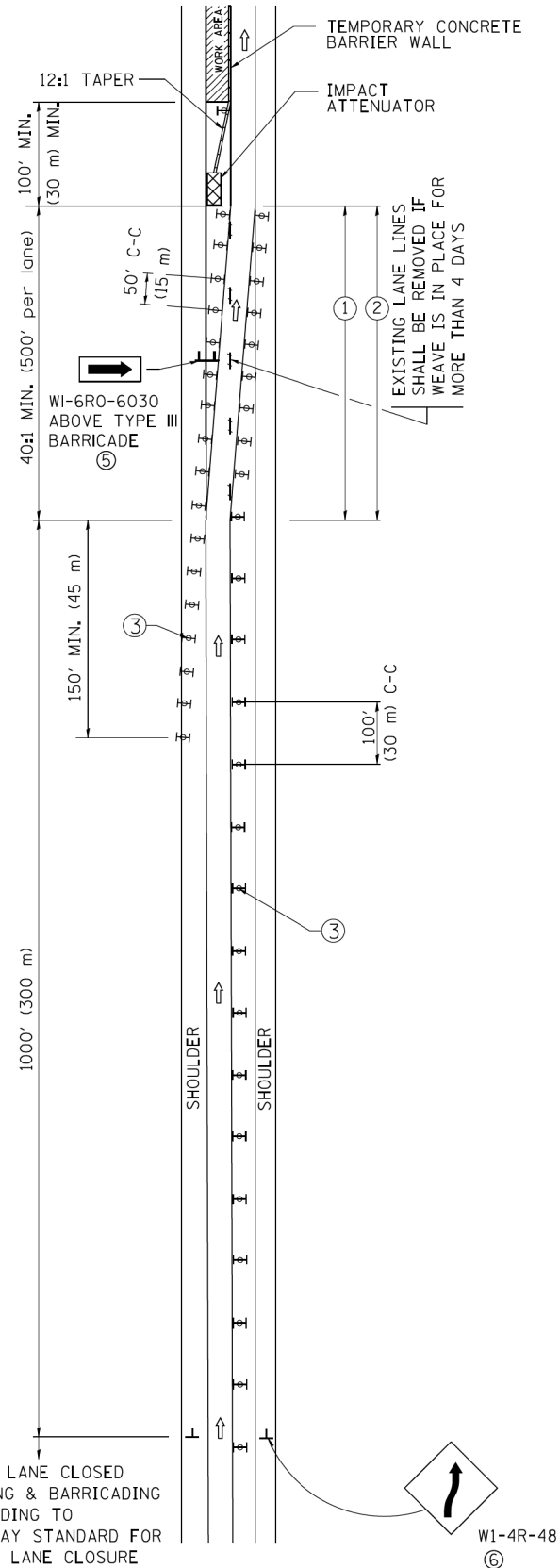
**ENTRANCE AND EXIT RAMP
CLOSURE DETAILS**

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

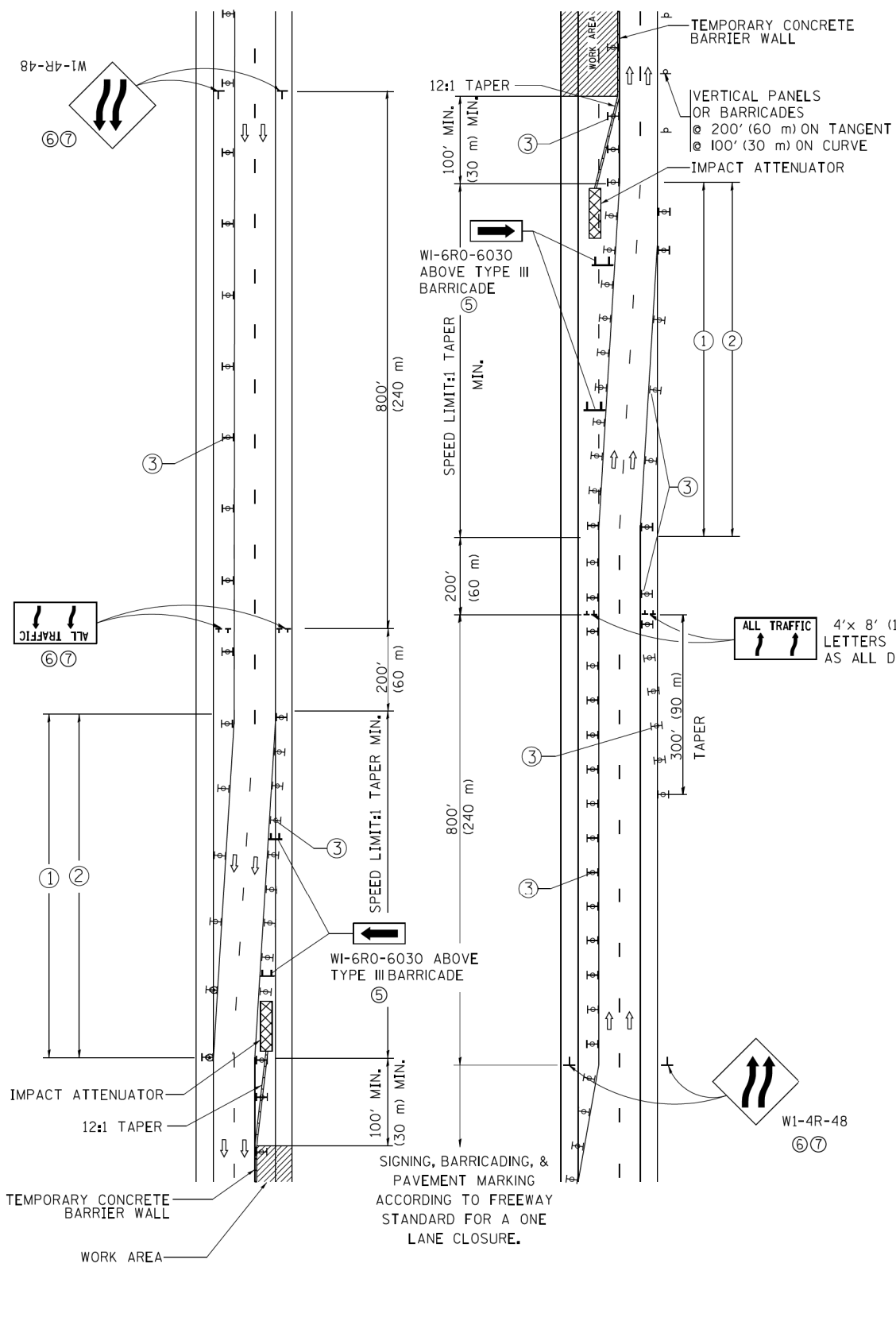
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	267-0101.3-B-R	COOK	120	110
TC-08			CONTRACT NO. 62F95	
ILLINOIS FED. AID PROJECT NHPP-XG10(992)				

DATE PLOTTED = 8/15/2019 1:05:10 PM
 PEN TABLE = 0420795.01.tbl
 PLOT CONFIG = NAVPROJ\0828795.tbl
 FILE NAME = NAVPROJ\0828795.tbl\Design\Details\11084EBID\TC08.dgn

SINGLE LANE WEAVE



MULTI-LANE WEAVE



GENERAL NOTES

- EXISTING CONFLICTING PAVEMENT MARKING LINES SHALL BE REMOVED. PAVEMENT MARKING REMOVAL SHALL NOT BE REQUIRED FOR SINGLE LANE WEAVES UNDER 4 DAYS IN DURATION.
- CONTINUOUS REFLECTIVE TEMPORARY PAVEMENT MARKING TAPE SHALL BE PLACED THROUGHOUT THE TAPER AND FOR 300' (90 m) ALONG SIDE THE WORK AREA WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN DAYS. THE LEFT EDGE LINE SHALL BE YELLOW AND THE RIGHT EDGE LINE SHALL BE WHITE. FOR MULTI-LANE WEAVES LANE LINES SHALL BE 5 INCH, 10'-30' (3 m-9 m) SKIP DASH, WHITE.
- PLASTIC DRUMS WITH STEADY BURN LIGHTS AT 50' (15 m) C-C SPACING IN TAPERS AND 100' (30 m) C-C SPACING IN TANGENTS.
- ALL SIGNS SHALL BE POST MOUNTED IF THE CLOSURE TIME EXCEEDS FOUR DAYS.
- TYPE III BARRICADES MAY BE OMITTED FOR SINGLE-LANE WEAVES UNDER 24-HOURS IN DURATION. W1-6 SIGNS WILL STILL BE REQUIRED. IF THE WIDTH OF OFFSET IS LESS THAN 6' THEN THE TYPE III BARRICADE WITH ATTACHED ARROW SIGN PANEL CAN BE ELIMINATED IN THE TAPER AREAS.
- WHEN THE LENGTH OF THE SHIFTED SEGMENT (DISTANCE BETWEEN WEAVE POINTS) IS LESS THAN 1500', DOUBLE REVERSE CURVE SIGNS (W24-1) SHOULD BE USED INSTEAD OF THE REVERSE CURVE (W1-4) SIGNS. ARROWS ON THE 4'X8' "ALL TRAFFIC" SIGNS SHALL BE THE SAME SHAPE.
- THE NUMBER OF ARROWS ON THESE SIGNS SHALL MATCH THE NUMBER OF LANES OPEN TO TRAFFIC.

SYMBOLS

- DIRECTION OF TRAFFIC
- WORK AREA
- SIGN ON PORTABLE OR PERMANENT SUPPORT
- TYPE II BARRICADE OR DRUM WITH MONO-DIRECTIONAL STEADY BURNING LIGHT
- TEMPORARY CONCRETE BARRIER WALL
- IMPACT ATTENUATOR
- W1-4R-48
- W24-1-48

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

DATE PLOTTED = 8/15/2013 1:05:21 PM
 PEN TABLE = C:\VDDOT\CAO\CGI\N\Plotting\CGI\Plot.ctb
 PLOT CONFIG = NAVPROJ\0828755.dwg
 FILE NAME = NAVPROJ\0828755.dwg

FILE NAME =	USER NAME = footemj	DESIGNED - DWS	REVISED - JAF 02-06
ca:\pwork\pwork\footemj\d0108315\td09.dgn		DRAWN -	REVISED - SPB 01-07
	PLOT SCALE = 50.000' / in.	CHECKED -	REVISED - SPB 12-09
	PLOT DATE = 7/1/2013	DATE - 02-87	REVISED - MD 06-13

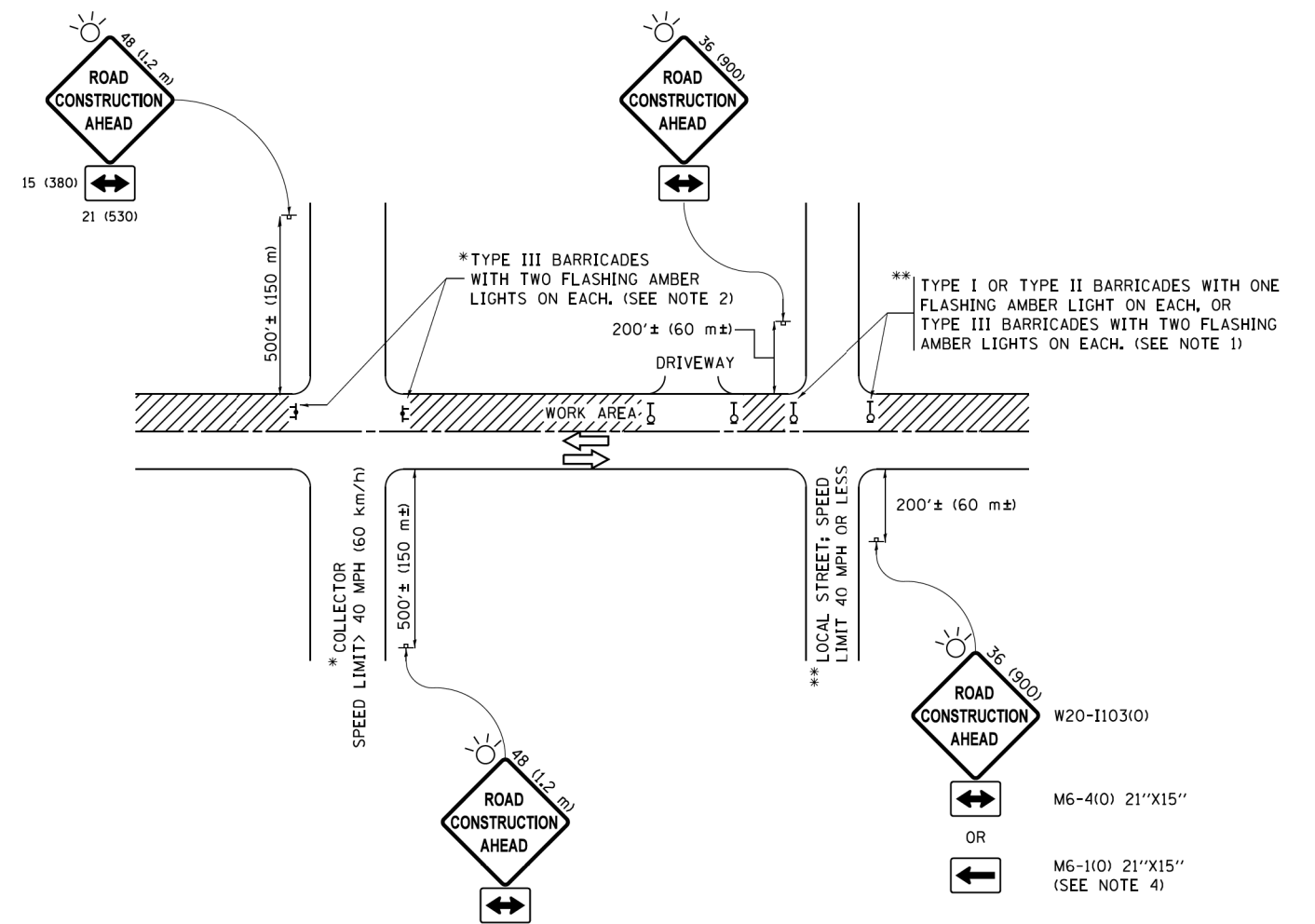
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL DETAILS FOR FREEWAY SINGLE & MULTI-LANE WEAVE

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	267-0101.3-B-R	COOK	120	111
TC-09		CONTRACT NO. 62F95		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT NHPP-XG10(992)				

DATE PLOTTED = 8/15/2016 1:05:33 PM
 PEN TABLE = C:\VDDOT\CAD\COPY\Plotting\ACGI.PDF-plotter.tbl
 PLOT CONFIG = NAVPROJ\00220755\01.tbl
 FILE NAME = NAVPROJ\00220755\01\Design\00220755_01.dwt\104-TC10.dgn



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.

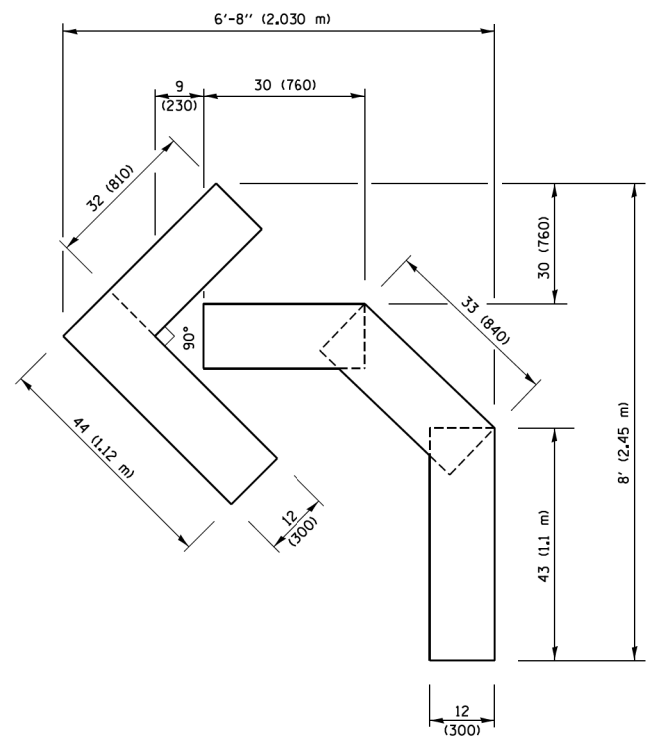
FILE NAME =	USER NAME = footemj	DESIGNED - L.H.A.	REVISED - A. HOUSEH 10-15-96
pwt\11084E8ID\INTEG\illinois.gov\FWIDOT\Documents\IDOT Offices\District 1\Projects\Dist1\00220755\01\CAD\00220755_01.dgn		DRAWN	REVISED - T. RAMMACHER 01-06-00
Default	PLOT SCALE = 50,000' / in.	CHECKED -	REVISED - A. SCHUETZE 07-01-13
	PLOT DATE = 9/15/2016	DATE - 06-89	REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

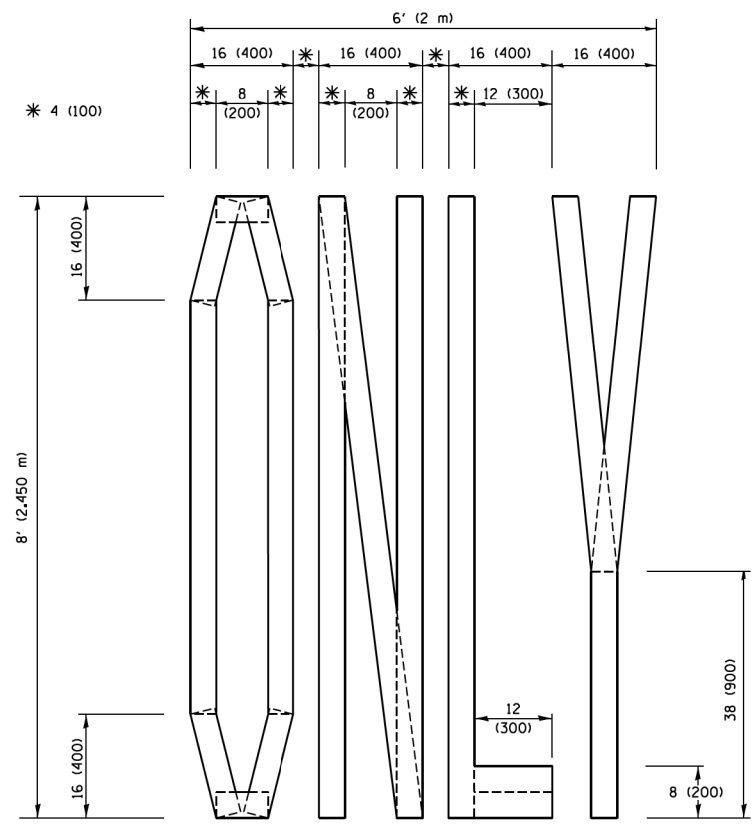
**TRAFFIC CONTROL AND PROTECTION FOR
SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS**

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

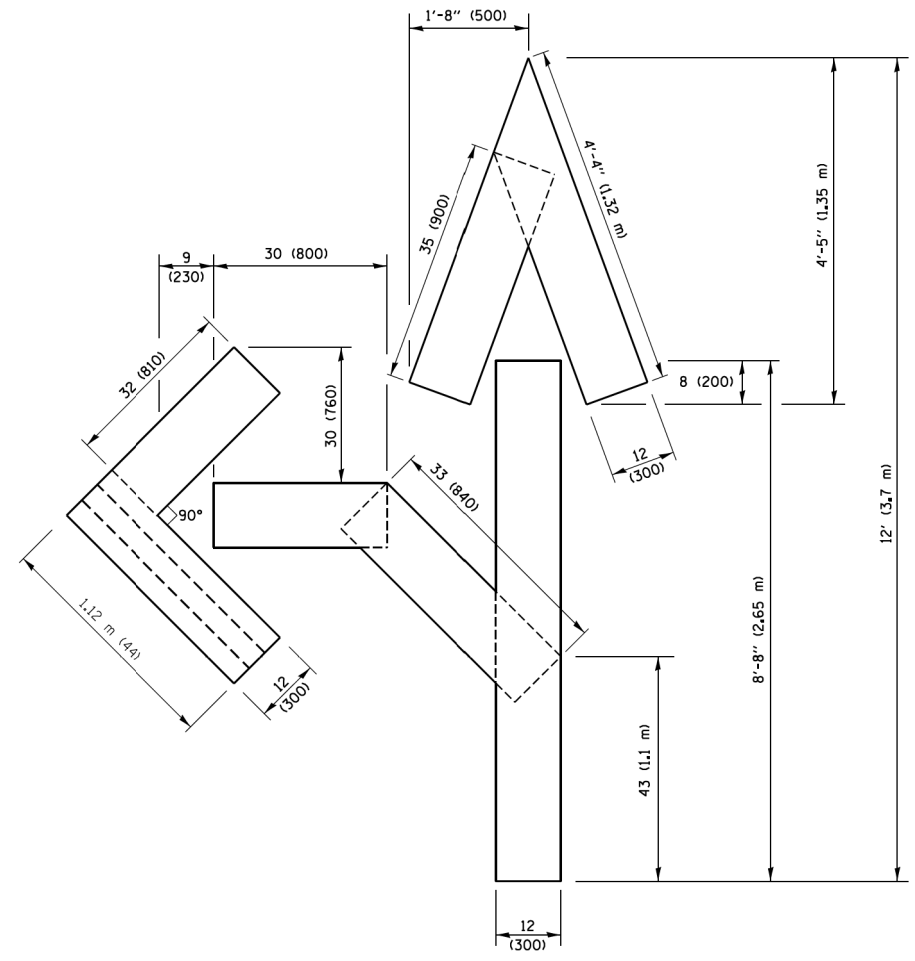
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	267-0101.3-B-R	COOK	120	112
TC-10			CONTRACT NO. 62F95	
ILLINOIS FED. AID PROJECT NHPP-XG10(992)				



QUANTITY
 4 (100) LINE = 45.5 ft. (13.9 m)
 15.2 sq. ft. (1.41 sq. m)

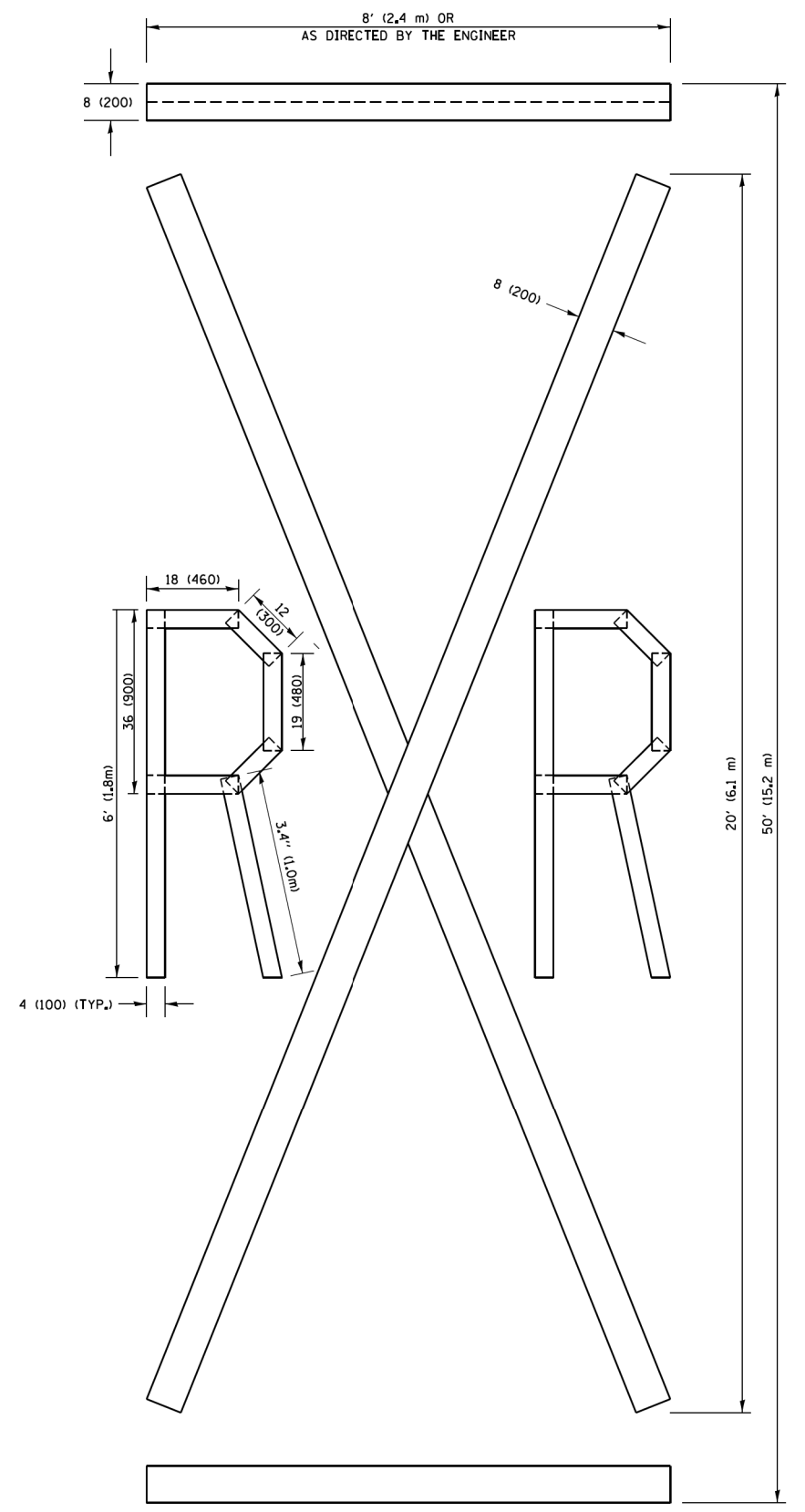


QUANTITY
 4 (100) LINE = 64.1 ft. (19.5 m)
 21.4 sq. ft. (1.99 sq. m)



QUANTITY
 4 (100) LINE = 82.5 ft. (25.1 m)
 27.5 sq. ft. (2.53 sq. m)

NOTE:
 ALL QUANTITIES OF PLACEMENT ARE REPRESENTED IN LINEAR FEET OF 4" LINES TO MATCH THE 4" TEMPORARY TAPE PAY ITEM AND REPRESENTS THE TOTAL QUANTITY OF 4" TAPE REQUIRED.



QUANTITY
 4 (100) LINE = 225.9 ft. (68.9 m)
 75.3 sq. ft. (6.99 sq. m)

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

DATE PLOTTED = 9/15/2016 1:05:45 PM
 PEN TABLE = 0020795.tbl
 PLOT CONFIG = C:\PROJ\0828\15481\Design\Drawings\0828\15481.tbl
 FILE NAME = N:\PROJ\0828\15481\Design\Drawings\0828\15481.tbl

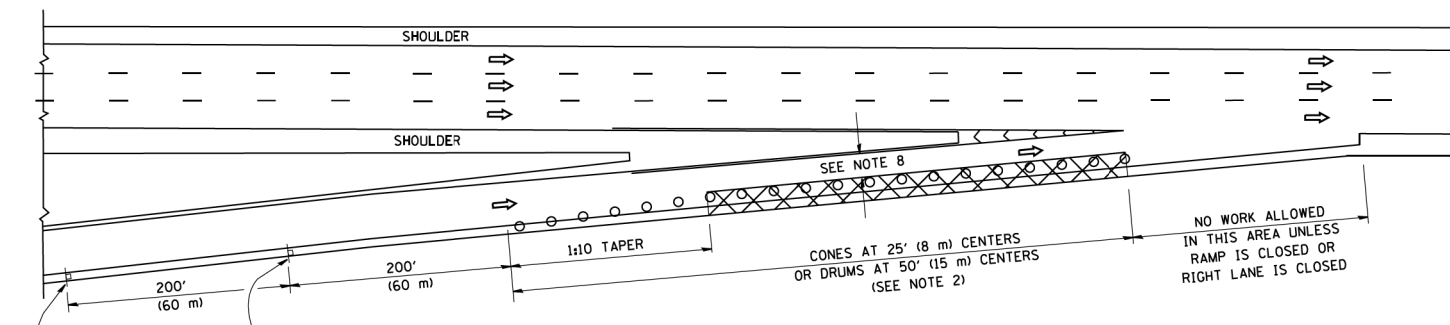
FILE NAME =	USER NAME = footemj	DESIGNED -	REVISED - T. RAMMACHER 03-02-98
p:\1\084E81D\INTEG\illinois.gov\FWIDOT\Documents\JDOT_Offices\District_1\Projects\Dist1\084E81D\CADD\Drawings\084E81D\084E81D.dgn		DRAWN -	REVISED - E. GOMEZ 08-28-00
		CHECKED -	REVISED - E. GOMEZ 08-28-00
		DATE -	REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

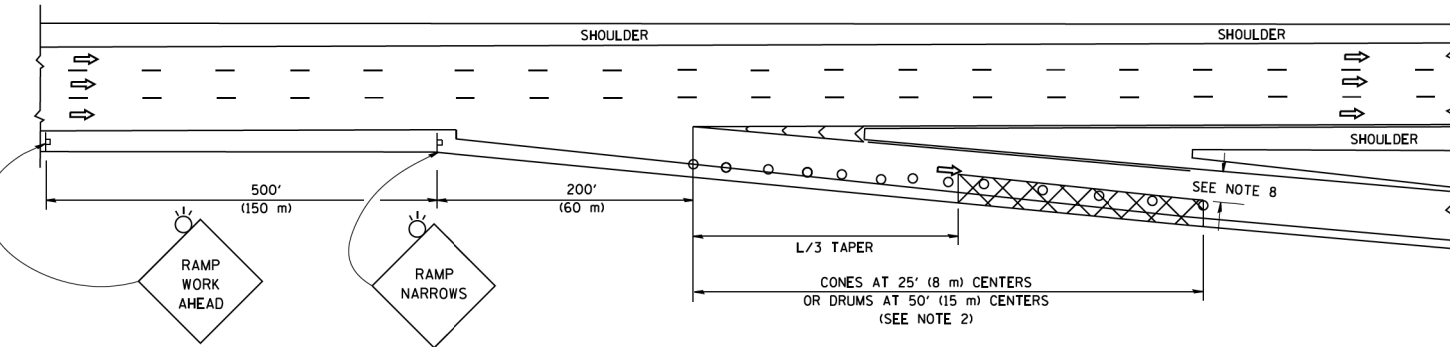
SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	267-0101.3-B-R	COOK	120	113
TC-16		CONTRACT NO. 62F95		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT NHPP-XG10(992)				

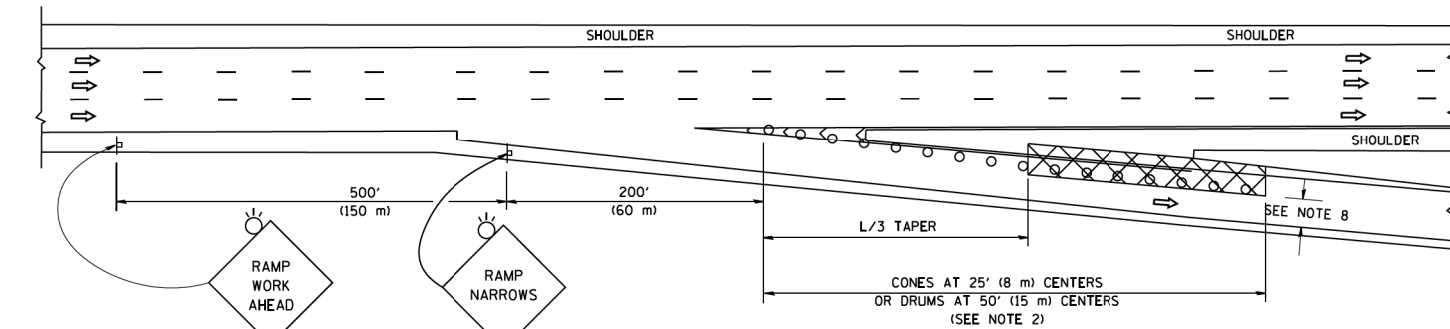
PARTIAL RAMP CLOSURE DETAILS



TYPICAL ENTRANCE RAMP



TYPICAL EXIT RAMP



TYPICAL EXIT RAMP

SYMBOLS

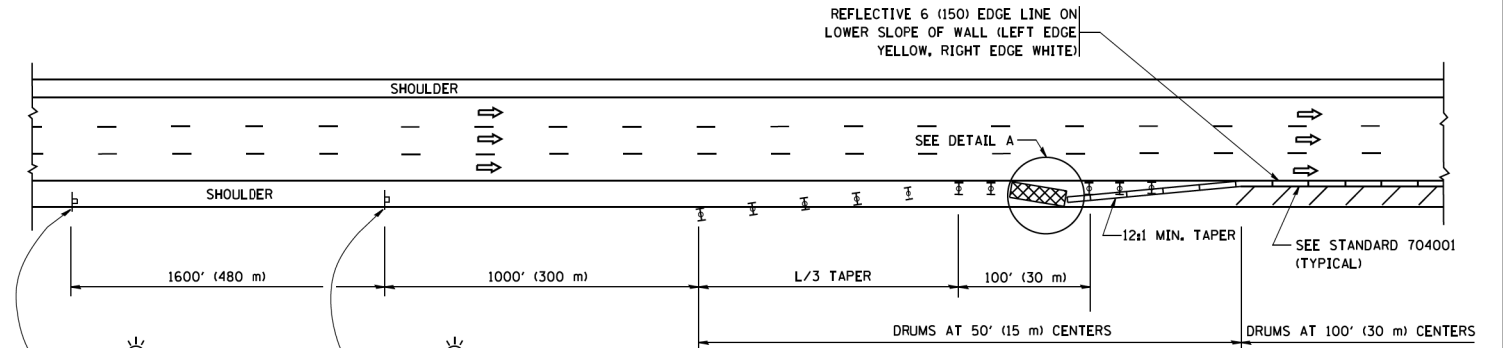
- ACTIVE WORK AREA
- SIGN ON PORTABLE OR PERMANENT SUPPORT
- FLAGGER WITH CONTROL SIGN
- TYPE II BARRICADE OR DRUM
- CONE, DRUM OR BARRICADE
- IMPACT ATTENUATOR OF TYPE AND TEST LEVEL SPECIFIED

GENERAL NOTES

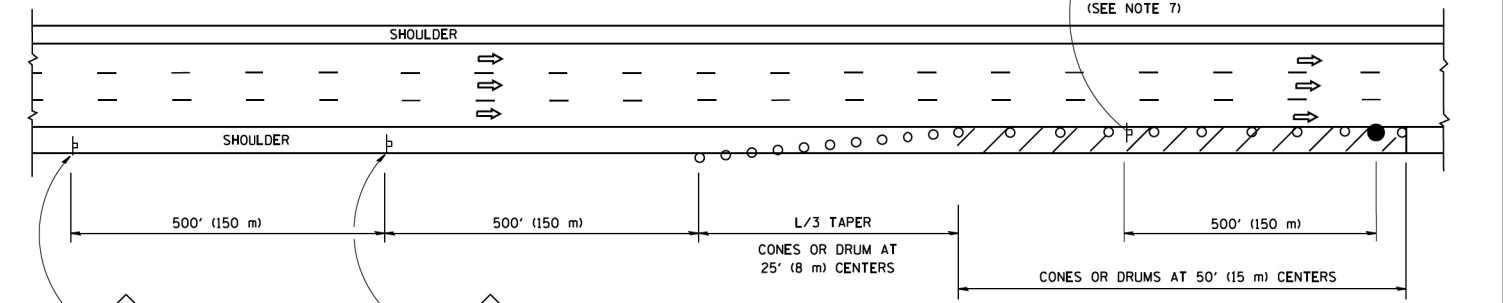
1. THE "L" DISTANCE EQUALS:

SPEED LIMIT	FORMULAS
45 mph (80 km/h) OR GREATER	METRIC ENGLISH L=0.65(W)(S) L=(W)(S)
W = WIDTH OF OFFSET IN FEET (METERS) S = NORMAL POSTED SPEED MPH (KM/H)	
2. TYPE II BARRICADES OR DRUMS ARE REQUIRED FOR ALL NIGHTTIME CLOSURES. TYPE II BARRICADES OR DRUMS WITH MONODIRECTIONAL STEADY BURN LIGHTS ARE REQUIRED FOR DELINEATING OBSTACLES, EXCAVATIONS, OR HAZARDS EXCEEDING 100 FT (30m) IN LENGTH AT NIGHT.
3. ALL SIGNS SHALL BE POST MOUNTED IF THE CLOSURE TIME EXCEEDS FOUR DAYS.
4. FLASHING LIGHTS SHALL BE USED DURING THE HOURS OF DARKNESS AND SHALL BE INSTALLED ABOVE THE FIRST TWO SETS OF SIGNS.
5. THE IMPACT ATTENUATOR, TEMPORARY IS NOT REQUIRED WHEN THE TEMPORARY CONCRETE BARRIER WALL IS PROTECTED BY OR IS TIED INTO THE EXISTING GUARDRAIL. IF OFFSET IS LESS THAN 5 FEET USE NARROW USE TYPE DEVICE TO MEET NCHRP350/MASH.
6. AUTHORIZATION FROM THE DISTRICT'S BUREAU OF TRAFFIC IS REQUIRED FOR ALL FREEWAY CLOSURES.
7. THE FLAGGER AND FLAGGER SIGN ARE REQUIRED AT THE ABOVE WORK SITES WHEN:
 - a. FOUR OR MORE WORK VEHICLES ENTER THE TRAFFIC LANES IN A ONE HOUR PERIOD.
 - b. THE WORK ACTIVITY REQUIRES FREQUENT ENCROACHMENT INTO THE LANE OPEN TO TRAFFIC.
 THE FLAGGER SHALL BE STATIONED APPROXIMATELY 100' (30 m) TO 200' (60 m) IN ADVANCE OF THE WORKERS.
8. 12' MIN. WIDTH TANGENT SECTION
16' MIN. WIDTH CURVE SECTION.

SHOULDER CLOSURE DETAILS

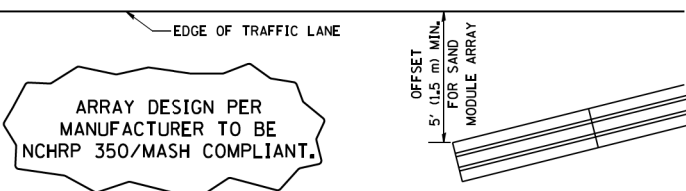


PERMANENT SHOULDER CLOSURE



DAYTIME SHOULDER CLOSURE

THIS DETAIL IS USED WHERE:
1. VEHICLES, EQUIPMENT, WORKERS OR THEIR ACTIVITIES ENCROACH IN AN AREA CLOSER THAN 15' (4.5 m) TO THE EDGE OF PAVEMENT FOR A PERIOD IN EXCESS OF 15 MINUTES.



DETAIL "A"
IMPACT ATTENUATOR, TEMPORARY
(SEE NOTE 5)

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

DATE PLOTTED = 8/15/2019 1:05:57 PM
 PEN TABLE = 0020795.01.tbl
 PLOT CONFIG = \\VPROJ\0020795.01.tbl
 FILE NAME = \\VPROJ\0020795.01.tbl

FILE NAME =	USER NAME = footemj	DESIGNED -	REVISED - S.P.B. 01-07	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC CONTROL DETAILS FOR FREEWAY SHOULDER CLOSURES AND PARTIAL RAMP CLOSURES	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw\1\084EBID\INTEG\illinois.gov\PIWIDOT\Documents\DOT Offices\District 1\Projects\Dist 1\084EBID\01\084EBID.dgn	DRAWN - C.A.D.	REVISED - S.P.B. 12-09	REVISED - S.P.B. 12-09			94	267-0101.3-B-R	COOK	120	114
PLOT SCALE = 50,0000 / 1 in.	CHECKED -	REVISED - M.D. 06-13	REVISED - M.D. 06-13			TC-17		CONTRACT NO. 62F95		
Default	PLOT DATE = 11/27/2017	DATE = 11-96	REVISED - M.D. 01-18			SCALE: NONE	SHEET 1 OF 1 SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT NHPP-XG10(992)	

DATE PLOTTED = 8/15/2019 1:06:09 PM
 PEN TABLE = C:\VDD\TCAD\CON\Fletting\AC01.PDF-plotter.tbl
 PLOT CONFIG = NAVPROJ\082875581\Design\082875581.dwg
 FILE NAME = NAVPROJ\082875581\Design\082875581.dwg

ROUTE MARKERS

FOR U.S. ROUTES
M1-40-2424

FOR ILLINOIS ROUTES
M1-50-2424

R.R. UNMARKED ROUTES
SPECIAL 24" x 18" VARIABLE
4" BLACK LETTERS ON WHITE
REFLECTIVE BACKGROUND

ARROWS SIGNS

M5-1L-2115

M5-1R-2115

M6-1-2115

M6-2-2115

M6-3-2115

CARDINAL DIRECTION & DETOUR SIGNS

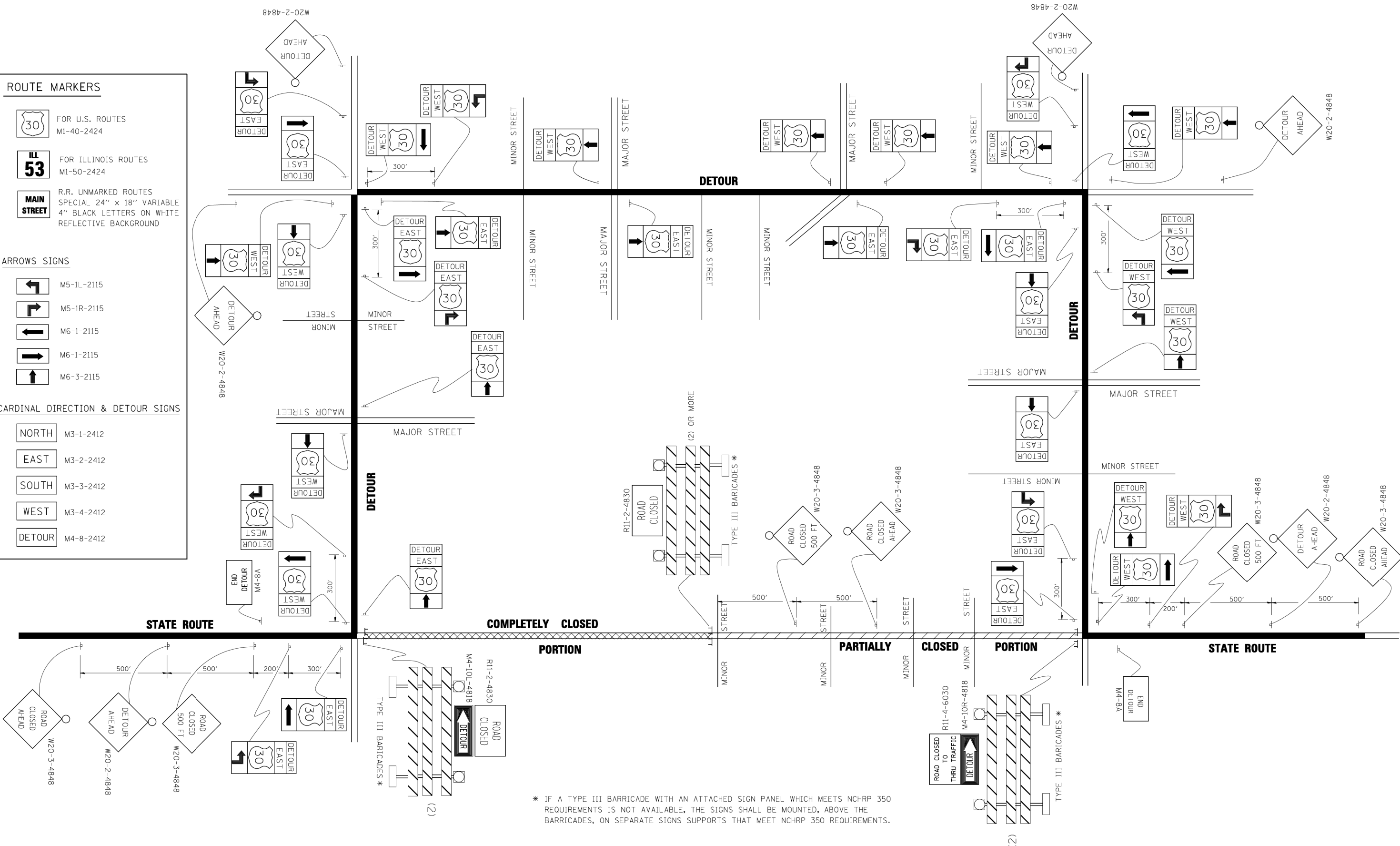
NORTH M3-1-2412

EAST M3-2-2412

SOUTH M3-3-2412

WEST M3-4-2412

DETOUR M4-8-2412



* 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.

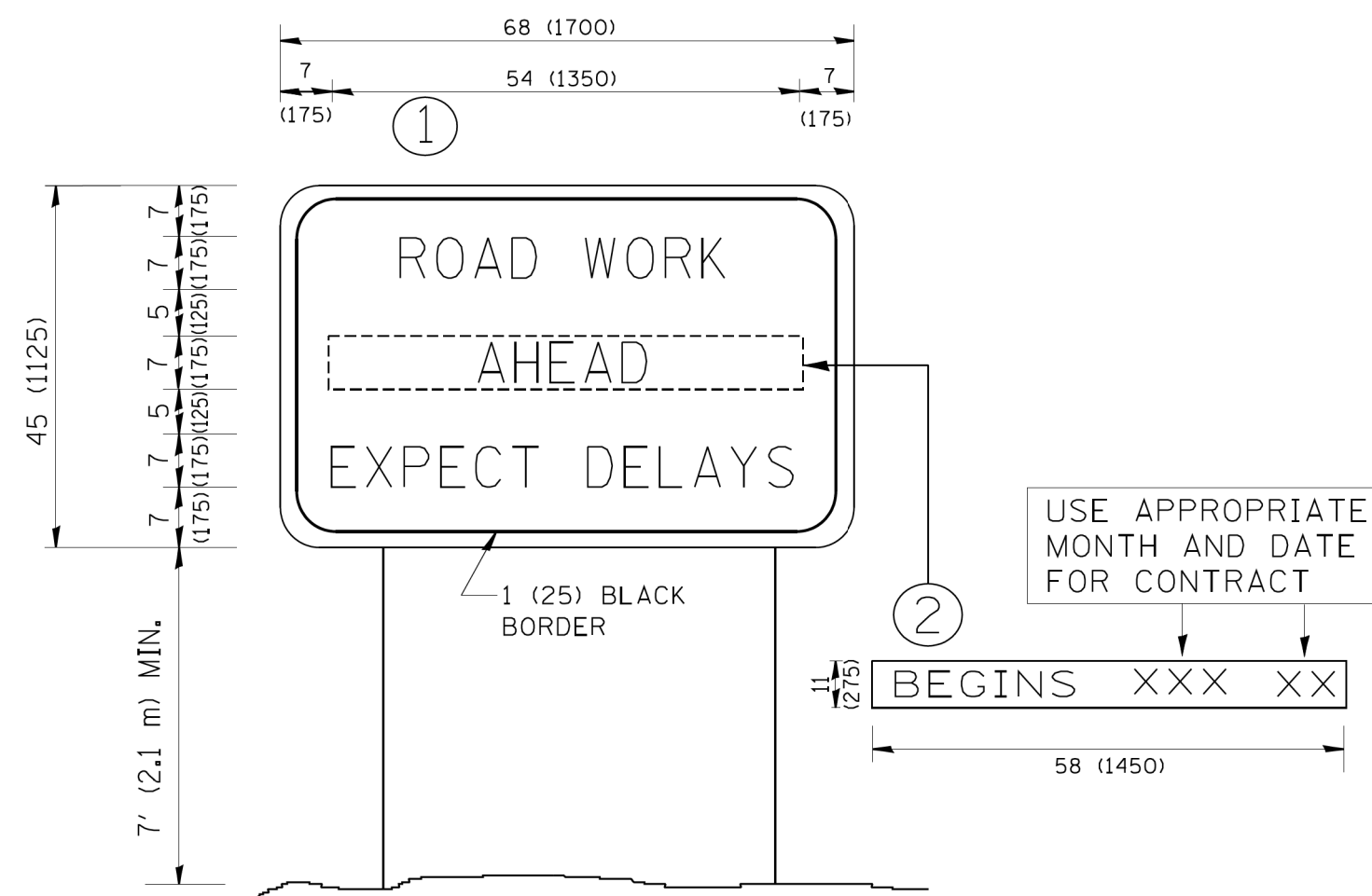
FILE NAME =	USER NAME = d-ivakosgn	DESIGNED -	REVISED - 10-18-02
c:\p\work\PWID01\DRIVAKOSGN\08108315\1221.dgn		DRAWN -	REVISED - R. BORO 09-14-09
		CHECKED -	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DETOUR SIGNING FOR CLOSING STATE HIGHWAYS	
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS
STA.	TO STA.

F.A.I. RTE. 94	SECTION 267-0101.3-B-R	COUNTY COOK	TOTAL SHEETS 120	SHEET NO. 115
TC-21		CONTRACT NO. 62F95		
FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT NHPP-XG10(992)				

DATE PLOTTED = 8/15/2008 1:06:21 PM
 PEN TABLE = C:\VDDOTCAD\CGI\PLT\p1tc22.dgn
 PLOT CONFIG = NAVPROJ\0028795\01\Design\Details\0028795_01.dwt
 FILE NAME = W:\distata\22x34\tc22.dgn

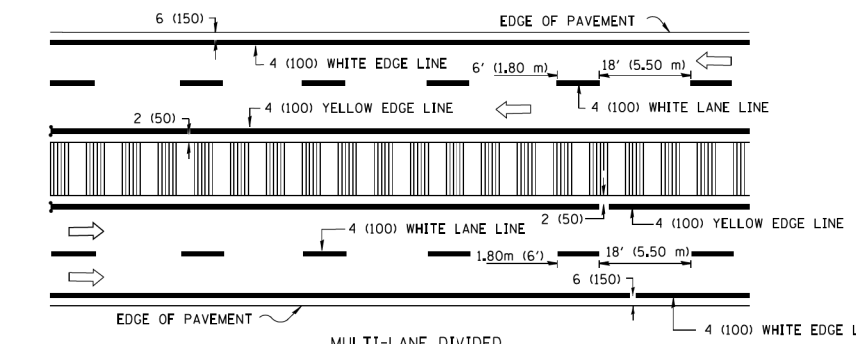
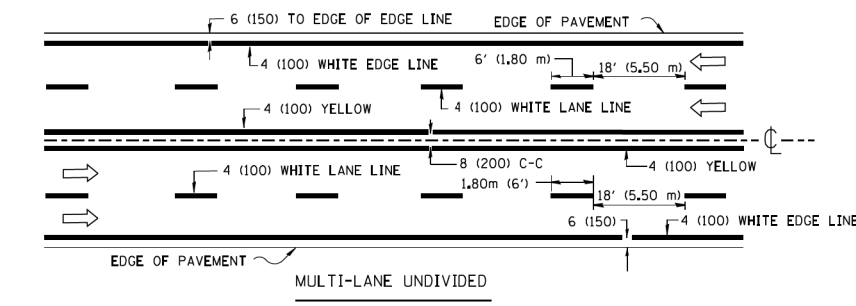
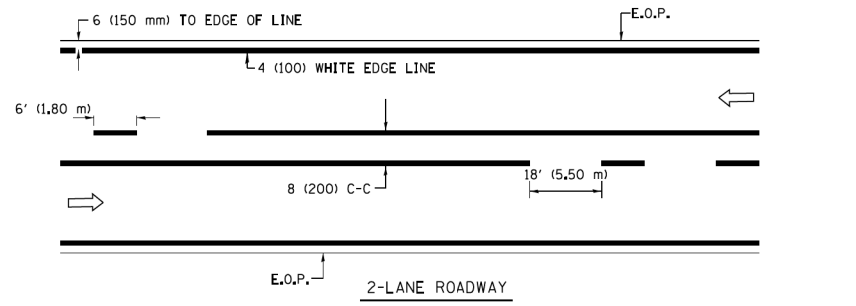


NOTES:

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.

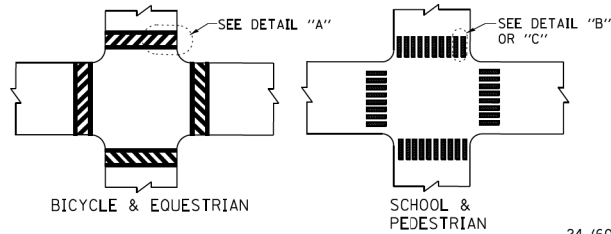
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

FILE NAME = W:\distata\22x34\tc22.dgn	USER NAME = gegl1enobt	DESIGNED -	REVISED - R, MIRS 09-15-97	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ARTERIAL ROAD INFORMATION SIGN	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 50.000' / IN.	CHECKED -	REVISED - T. RAMMACHER 02-02-99			94	267-0101.3-B-R	COOK	120	116
	PLOT DATE = 1/4/2008	DATE -	REVISED - C. JUCIUS 01-31-07			TC-22		CONTRACT NO. 62F95		
						SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT NHPP-XG10(992)

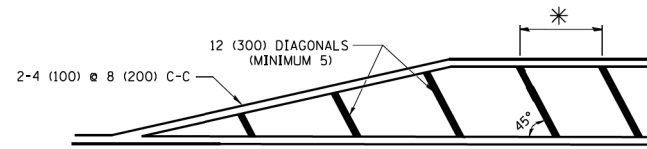


NOTE: MEDIANS WITH BARRIER CURB DO NOT REQUIRE AN EDGE LINE

TYPICAL LANE AND EDGE LINE MARKING



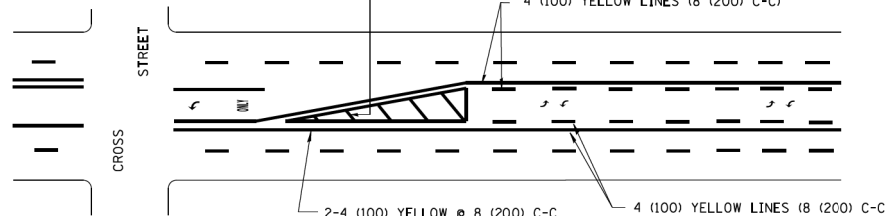
TYPICAL CROSSWALK MARKING



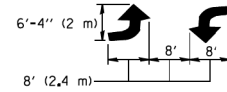
* FOR MEDIAN LENGTHS WHERE DIAGONAL SPACING CANNOT BE ATTAINED, USE 5 (FIVE) EQUALLY SPACED DIAGONAL LINES.

* DIAGONAL LINE SPACING: 20' (6.1 m) C-C

PAINTED MEDIANS

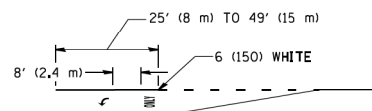
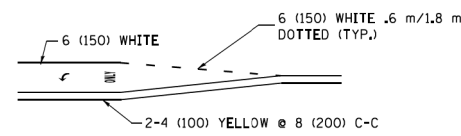


A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR, ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



MEDIAN WITH TWO-WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING

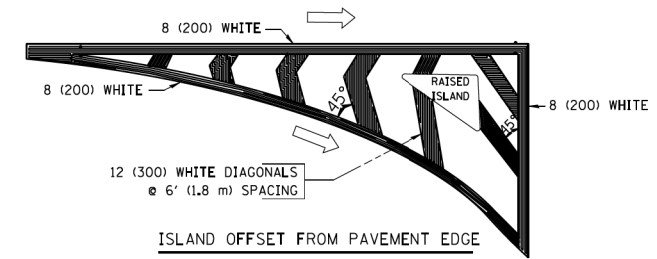


FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED. AREA = 15.8 SQ. FT. (1.47 m²) ONLY AREA = 22.9 SQ. FT. (2.13 m²)

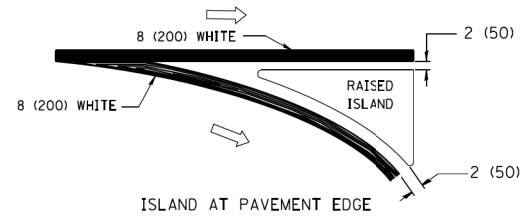
* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING



ISLAND OFFSET FROM PAVEMENT EDGE



ISLAND AT PAVEMENT EDGE

TYPICAL ISLAND MARKING

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	6' (1.80 m) LINE WITH 18' (5.50 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	8 (200) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	8 (200) C-C
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	6' (1.80 m) LINE WITH 18' (5.50 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MOUNTABLE MEDIANS IN YELLOW; EDGE LINES ARE NOT USED NEXT TO BARRIER CURB
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4 m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4 m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	6' (1.8 m) LINE WITH 18' (5.50 m) SPACE FOR SKIP-DASH; 8 (200) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL & PEDESTRIAN)	12 (300) @ 45° 24 (600) @ 90°	SOLID SOLID	WHITE WHITE	2' (600) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK. IF PRESENT, OTHERWISE, PLACE AT DESIRED STOPPING POINT. PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45°	SOLID	YELLOW; TWO WAY TRAFFIC WHITE; ONE WAY TRAFFIC	8 (200) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 20' (6.1 m) (LESS THAN 30 MPH (50 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES; "RR" IS 6' (1.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SQ. FT. (0.33m ²) EACH "X"=54.0 SQ. FT. (5.0 m ²)

FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STREET MARKING STANDARDS, PRINTED BY CITY OF CHICAGO, DEPARTMENT OF TRANSPORTATION, BUREAU OF TRAFFIC.

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

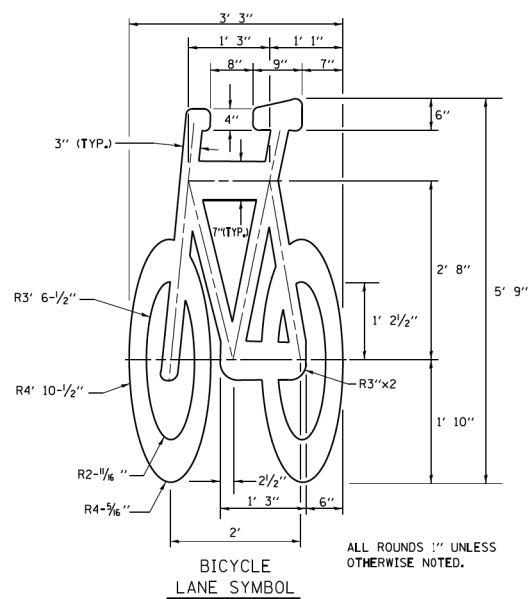
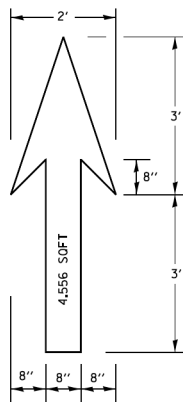
DATE PLOTTED = 8/15/2012 1:06:31 PM
PEN TABLE = C:\VENDOR\CGI\CGI\PDF\p1.ctb
PLOT CONFIG = NAVPROJ\082875481\Design\082875481.dgn
FILE NAME = TC24.dgn

FILE NAME =	USER NAME = drivkosgn	DESIGNED -	REVISED - T. RAMMACH 12-07-00
ca:\pwork\pwork\drivkosgn\d0108315\tc24.dgn		DRAWN -	REVISED - K. ENG 02-28-12
	PLOT SCALE = 50.0000 / in.	CHECKED -	REVISED -
	PLOT DATE = 3/1/2012	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

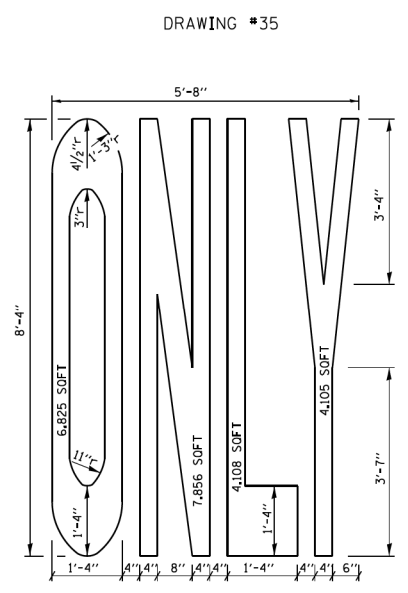
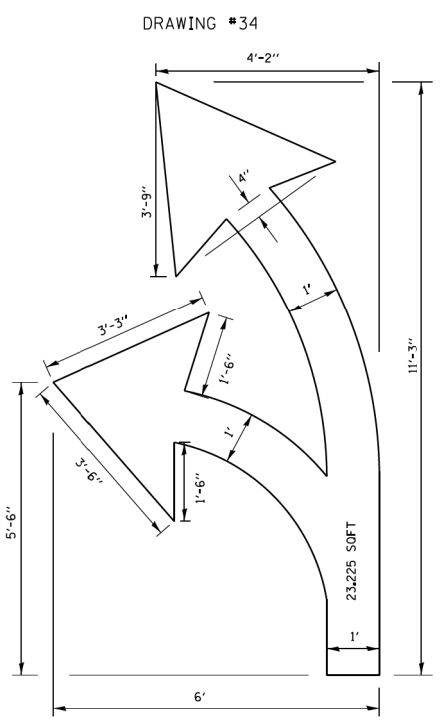
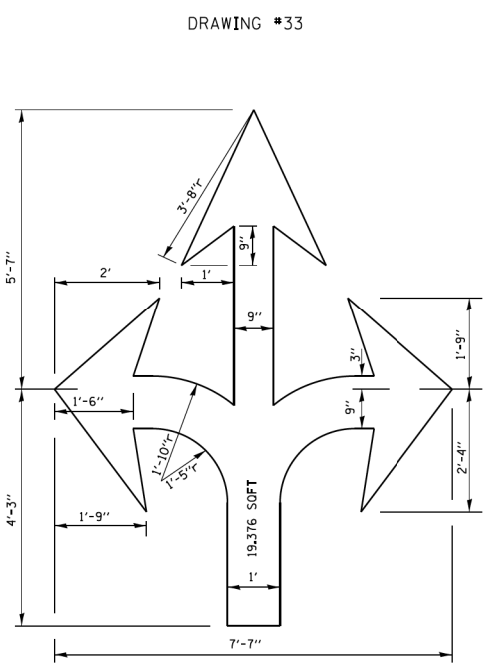
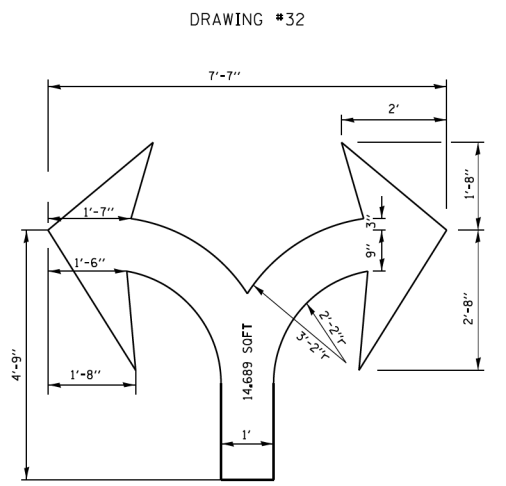
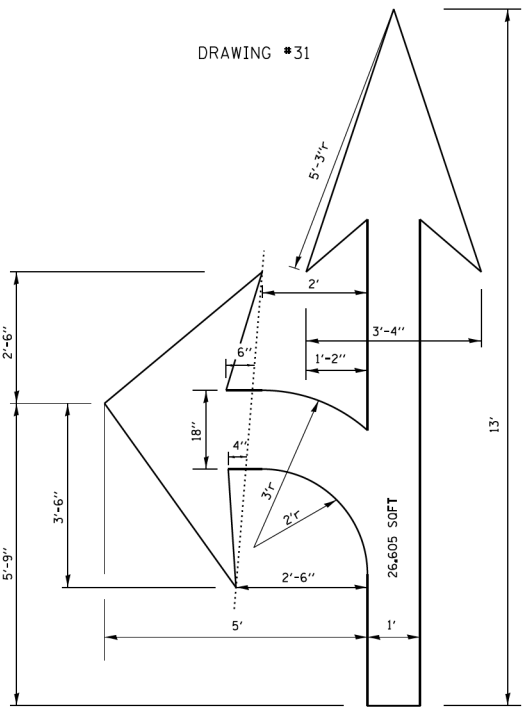
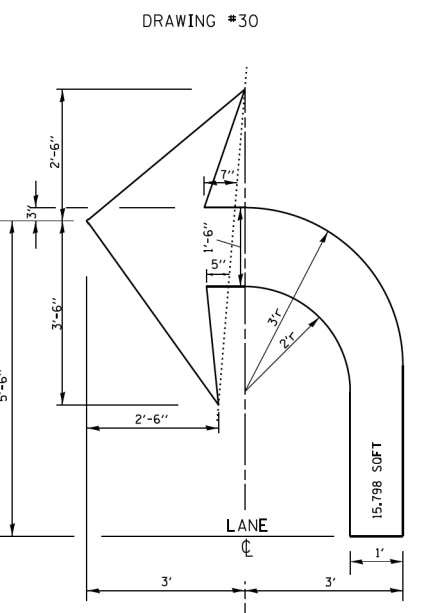
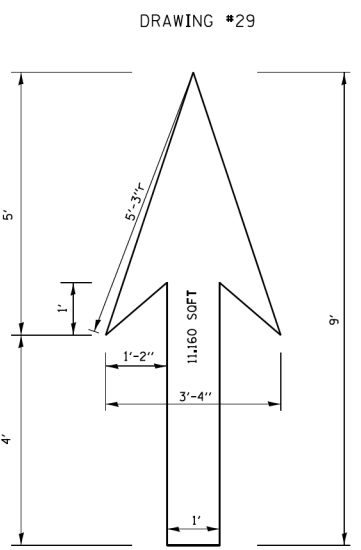
**CITY OF CHICAGO
TYPICAL PAVEMENT MARKINGS**

SCALE: NONE	SHEET NO. 1 OF 3 SHEETS	STA. TO STA.	F.A.I. RTE. 94	SECTION 267-0101.3-B-R	COUNTY COOK	TOTAL SHEETS 120	SHEET NO. 117
			TC-24		CONTRACT NO. 62F95	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT NHPP-XG10(992)	



- NOTE:**
- FOR BIKE LANE SYMBOLS ONLY, USE PRE-FORMED THERMOPLASTIC WITH A MINIMUM THICKNESS OF 90 MILS, MINIMUM SKID RESISTANCE VALUE OF 60 BPN, & A MINIMUM INDEX OF REFRACTION OF 1.50.
 - THE RESIDENT ENGINEER SHALL CONTACT MR. BEN GOMBERG AT 312-744-8093 AT LEAST ONE CALENDAR WEEK PRIOR TO INSTALLING BIKE LANE SYMBOLS.

TYPICAL BIKE LANE SYMBOLS
DRAWING #28



NOTE:
ALL MARKINGS SHALL BE SOLID WHITE UNLESS OTHERWISE NOTED IN THE PLANS

DATE PLOTTED = 8/15/2012 1:06:43 PM
PEN TABLE = 0020795.tbl
PLOT CONFIG = C:\DDOTCADD\CONP\Plotting\ACGI.Plot.ctb
FILE NAME = N:\PROJ\0828795\01\Design\0828795_01.dwg

FILE NAME =	USER NAME = drivkosgn	DESIGNED -	REVISED - T. RAMMACHER 12-07-00
ca:\pwork\pwork\drivkosgn\d0108315\tc24.dgn		DRAWN -	REVISED - K. ENG 02-28-12
	PLOT SCALE = 50.000' / in.	CHECKED -	REVISED -
	PLOT DATE = 3/29/2012	DATE -	REVISED -

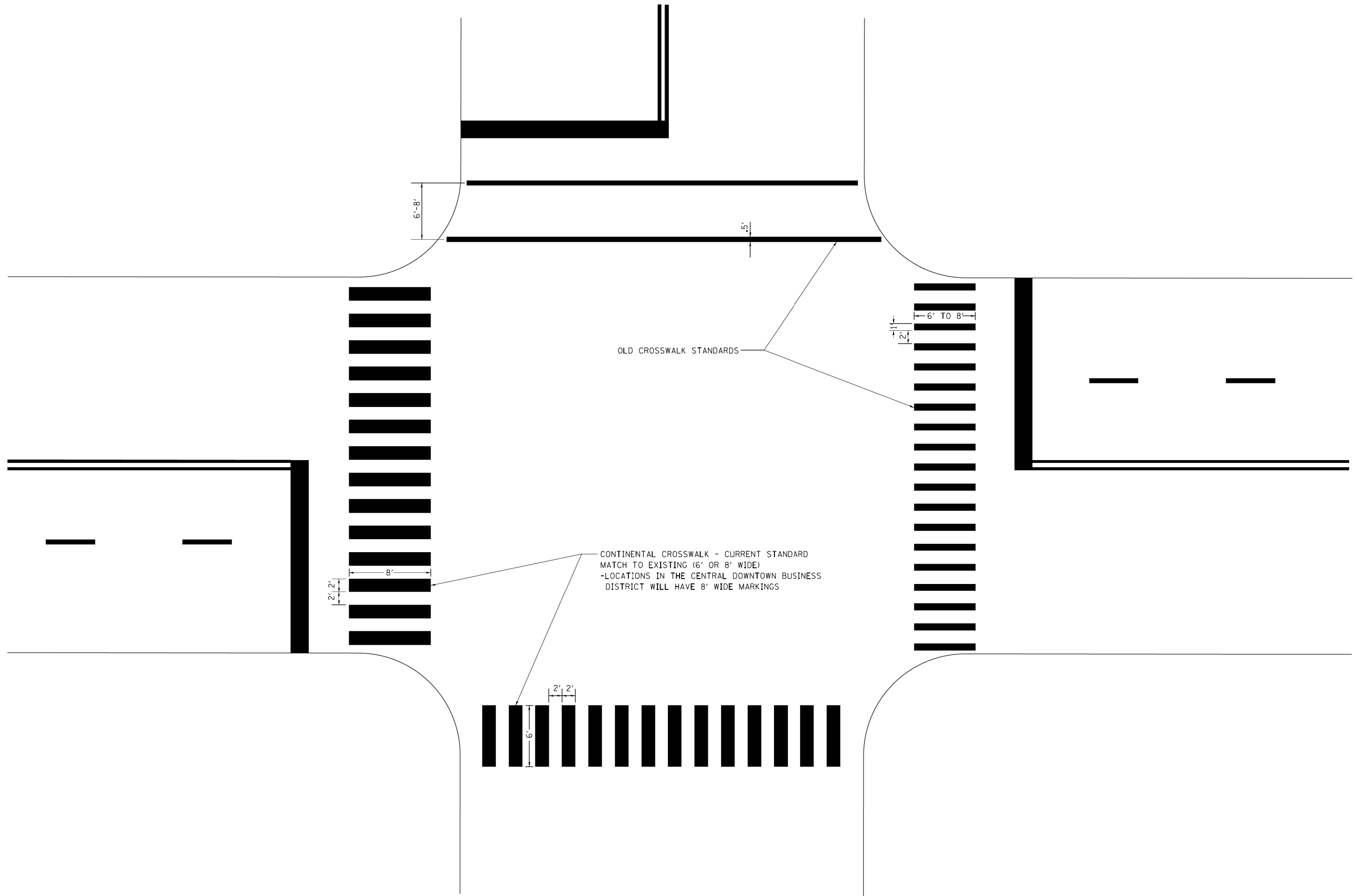
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE: NONE		SHEET NO. 2 OF 3 SHEETS		STA. TO STA.	
-------------	--	-------------------------	--	--------------	--

CITY OF CHICAGO
TYPICAL PAVEMENT MARKINGS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	267-0101.3-B-R	COOK	120	118
TC-24		CONTRACT NO. 62F95		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT NHPP-XG10(992)				

DATE PLOTTED = 8/15/2012 1:06:54 PM
 PEN TABLE = C:\VDDOT\CAO\CGI\Plotting\ACGI_PDF.plt
 PLOT CONFIG = NAVPROJ\0028775481\Design\Details\0028775481_01.dwt
 FILE NAME = c:\pwork\pwork\drivkosgn\d0108315\tc24.dgn



OLD CROSSWALK STANDARDS

CONTINENTAL CROSSWALK - CURRENT STANDARD
 MATCH TO EXISTING (6' OR 8' WIDE)
 -LOCATIONS IN THE CENTRAL DOWNTOWN BUSINESS
 DISTRICT WILL HAVE 8' WIDE MARKINGS

FILE NAME =	USER NAME = drivkosgn	DESIGNED -	REVISED - T. RAMMACHER 12-07-00
c:\pwork\pwork\drivkosgn\d0108315\tc24.dgn		DRAWN -	REVISED - K. ENG 02-28-12
	PLOT SCALE = 50.000' / in.	CHECKED -	REVISED -
	PLOT DATE = 3/29/2012	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

CITY OF CHICAGO TYPICAL PAVEMENT MARKINGS			
SCALE: NONE	SHEET NO. 3	OF 3 SHEETS	STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	267-0101.3-B-R	COOK	120	119
TC-24		CONTRACT NO. 62F95		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT NHPP-XG10(992)				

