MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2315	14-00112-00-BR	COOK	46	1
	ILLINOIS	CONTRACT NO. 61E44		

01-18-2019 LETTING ITEM 142

FOR INDEX OF SHEETS, SEE SHEET NO. 2

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLANS FOR PROPOSED FEDERAL-AID HIGHWAY

MUN ROUTE 2315 (BARKER AVENUE)
OVER SALT CREEK
BRIDGE SUPERSTRUCTURE REPLACEMENT
SECTION 14-00112-00-BR
PROJECT X2F2(133)
CITY OF ROLLING MEADOWS
COOK COUNTY
C-91-396-14

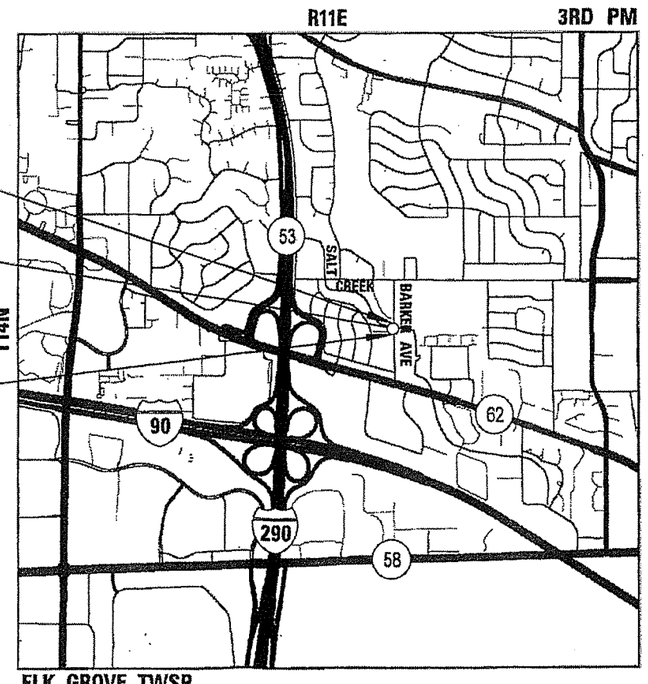
LOCATION OF SECTION INDICATED THUS: -

DESIGN DESIGNATION: MUNICIPAL STREET
BARKER AVENUE
2014 AADT = 3300
2032 AADT = 3399
DESIGN SPEED = 30 MPH
POSTED SPEED = 25 MPH

END PROJECT STA. 13+98.42

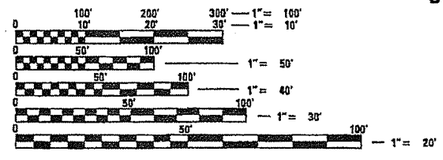
BRIDGE REHABILITATION
BARKER AV OVER SALT CR
S.N. 016-6055
STATION 12+82

BEGIN PROJECT STA. 11+65.58



LOCATION MAP
NOT TO SCALE

GROSS LENGTH = 232.84 FT. = 0.044 MILE
NET LENGTH = 232.84 FT. = 0.044 MILE



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

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

PROJECT MANAGER: MR. GARY ROZWADOWSKI, P.E. (847) 823-0500

CHRISTOPHER B. BURKE ENGINEERING, LTD.
9575 W. Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

CONTRACT NO. 61E44

GARY ROZWADOWSKI 062-051689 REGISTERED PROFESSIONAL ENGINEER OF ILLINOIS

ENGINEER — 11-27-2017 DATE

GARY ROZWADOWSKI
ILLINOIS REGISTRATION No. 062-051689
EXPIRATION DATE: 11/30/2019

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

APPROVED Ferol A. Vaz 11/27/2017
DIRECTOR OF PUBLIC WORKS
CITY OF ROLLING MEADOWS

PASSED DECEMBER 12 2017
CHRISTOPHER HOL
RELEASING FOR BID BASED ON LIMITED REVIEW DECEMBER 12 2017 — DISTRICT 1 ENGINEER OF LOCAL ROADS AND STREETS
Anthony J. Quigley (AB)
DEPUTY DIRECTOR OF HIGHWAYS, REGION 1 ENGINEER

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

PROGRAM AND OFFICE ENGINEER: CHARLES F. RIDDLE, PE 847-705-4406 SCHAUMBURG, IL

INDEX OF SHEETS

INDEX OF HIGHWAY STANDARDS

STANDARD NO.	DESCRIPTION
000001-07	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
420406	PAVEMENT CONNECTOR (HMA) FOR BRIDGE APPROACH SLAB
442201-03	CLASS C AND D PATCHES
515001-03	NAME PLATE FOR BRIDGES
604016-04	FRAME AND GRATE TYPE 4
606001-07	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
630001-12	STEEL PLATE BEAM GUARDRAIL
631011-10	TRAFFIC BARRIER TERMINAL, TYPE 2
701001-02	OFF-ROAD OPERATIONS, 2L, 2W, MORE THAN 15' (4.5 M) AWAY
701006-05	OFF-ROAD OPERATIONS, 2L, 2W, 15' (4.5 M) TO 24" (600 MM) FROM PAVEMENT EDGE
701011-04	OFF-ROAD OPERATIONS, 2L, 2W, DAY ONLY
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701311-03	LANE CLOSURE 2L, 2W MOVING OPERATIONS - DAY ONLY
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-08	TRAFFIC CONTROL DEVICES
720001-01	SIGN PANEL MOUNTING DETAILS
720006-04	SIGN PANEL ERECTION DETAILS
725001-01	OBJECT AND TERMINAL MARKERS
780001-05	TYPICAL PAVEMENT MARKINGS
782006	GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS

DISTRICT 1 DETAILS

STANDARD NO.	DESCRIPTION
BD-08	FRAMES AND LIDS ADJUSTMENTS WITH MILLING
BD-22	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT
BD-24	CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT
BD-32	BUTT JOINT AND HMA TAPERS
BM-07	GUARDRAIL SUPPORT AND END ANCHORAGE
TC-10	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS
TC-13	TYPICAL PAVEMENT MARKINGS
TC-21	DETOUR SIGNING FOR CLOSING STATE HIGHWAYS

GENERAL NOTES

1. ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE "DETAILS" IN THE PLANS, THE "SPECIAL PROVISIONS" INCLUDED IN THE CONTRACT DOCUMENTS, LATEST EDITIONS OF THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS", THE "ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS" (IMUTCD), THE AMERICANS WITH DISABILITIES ACT OF 1990 ACCESSIBILITY GUIDELINES, THE "DRAFT" REHABILITATION ACT OF 1973 (SECTION 504), AND THE PUBLIC RIGHT-OF-WAY ACCESSIBILITY GUIDELINES.

2. WHERE SECTION OR SUBSECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE THE MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL CAREFULLY PRESERVE ALL PROPERTY MARKS AND MONUMENTS UNTIL THE OWNER, AUTHORIZED SURVEYOR OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION.

3. THE CONTRACTOR SHALL COMPLY WITH ALL RULES AND REGULATIONS OF OSHA DURING CONSTRUCTION OF IMPROVEMENTS AND RESTORATION. NEITHER THE CITY NOR ITS APPOINTED ENGINEER SHALL BE RESPONSIBLE FOR THE CONTRACTOR'S COMPLIANCE WITH OSHA.

4. THE CONTRACTOR SHALL GIVE NOTICES AND COMPLY WITH APPLICABLE LAWS, ORDINANCES, RULES, REGULATIONS AND LAWFUL ORDERS OF ALL PUBLIC AUTHORITIES BEARING ON SAFETY OF PERSONS OR PROPERTY OR THEIR PROTECTION FROM DAMAGE, INJURY OR LOSS.

5. IT IS THE CONTRACTORS RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR FAILURE TO VERIFY EXISTING DIMENSIONS OR CONDITIONS.

6. THE CONTRACTOR SHALL LIMIT CONSTRUCTION ACTIVITIES TO THE WORK AREAS DESIGNATED ON THE PLANS. ANY DAMAGE TO AREAS OUTSIDE OF THESE LIMITS SHALL BE REPAIRED BY THE CONTRACTOR AT HIS/HER OWN EXPENSE TO THE SATISFACTION OF THE ENGINEER.

7. THE CONTRACTOR SHALL RELOCATE OR REMOVE AND REPLACE SIGNS THAT INTERFERE WITH CONSTRUCTION OPERATIONS, AND TO TEMPORARILY RESET ALL SUCH SIGNS DURING CONSTRUCTION OPERATIONS. IF EXISTING SIGNS ARE DAMAGED DURING THE REMOVAL AND REPLACEMENT PROCESS, THE SIGN SHALL BE REPLACED AT THE CONTACTOR'S EXPENSE.

8. PAY ITEMS IN THE SUMMARY OF QUANTITIES HAVE BEEN ESTIMATED. IF, IN THE ENGINEER'S OPINION, THE WORK IS NOT REQUIRED, THE ITEM WILL BE DEDUCTED FROM THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

9. AT THE END OF EACH DAY, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ASSURE THAT ALL STREETS ADJACENT TO THE PROJECT ARE FREE OF ALL CONSTRUCTION RELATED DEBRIS INCLUDING DIRT, STONE, NAILS, ETC. THE WORK SHALL BE DONE TO THE SATISFACTION OF THE ENGINEER AND THE CITY OF ROLLING MEADOWS.

10. THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470 A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.

11. THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES, SUCH AS: WATER MAIN, SEWERS, GAS LINES, ETC. AS SHOWN ON THE PLANS, HAVE BEEN DETERMINED FROM THE BEST AVAILABLE INFORMATION AND ONLY REPRESENT THE OPINION OF THE CITY OF ROLLING MEADOW AS TO THEIR LOCATIONS. THE PROVIDED LOCATIONS OF EXISTING UNDERGROUND UTILITIES IS GIVEN FOR THE CONVENIENCE OF THE BIDDER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR HAVING THE UTILITY COMPANIES LOCATE THEIR FACILITIES IN THE FIELD PRIOR TO CONSTRUCTION. BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL JULIE AT (800) 892-0123 FOR FIELD LOCATIONS OF BURIED UTILITIES (48-HOUR NOTIFICATION IS REQUIRED).

12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UNDERGROUND OR SURFACE UTILITIES EVEN THOUGH THEY MAY NOT BE SHOWN ON THE PLANS. ANY UTILITY THAT IS DAMAGED BY THE CONTRACTOR DURING CONSTRUCTION SHALL BE REPAIRED TO THE SATISFACTION OF THE ENGINEER. THIS WORK WILL BE AT THE CONTRACTOR'S EXPENSE.

13. DRAINAGE: DURING THE CONSTRUCTION OPERATIONS WHEN ANY LOOSE MATERIAL IS DEPOSITED IN THE FLOW LINE OF DITCHES, GUTTERS OR DRAINAGE STRUCTURES SO THE NATURAL FLOW OF WATER IS OBSTRUCTED, THE MATERIAL SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. AT THE CONCLUSION OF THE CONSTRUCTION OPERATIONS ALL DRAINAGE STRUCTURES SHALL BE FREE FROM ALL DIRT AND DEBRIS CAUSED BY THE CONSTRUCTION.

14. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR JOB SITE SAFETY AS WELL AS SUPERVISION/ DIRECTION AND MEANS/METHODS OF CONSTRUCTION.

15. THE CONTRACTOR SHALL INSTALL/MAINTAIN/REMOVE INLET FILTERS IN ALL OPEN LID DRAINAGE STRUCTURES IN THE PAVEMENT THAT ARE WITHIN THE WORK ZONE OR ACCEPT STORMWATER THAT FLOWS OUT OF THE WORK ZONE, AND AT LOCATIONS AS DIRECTED BY THE ENGINEER.

16. AREAS OF PARKWAY RESTORATION ARE SHOWN ON THE PLANS. AREAS DISTURBED BY THE CONTRACTOR BEYOND THOSE SHOWN IN THE PLANS SHALL BE REPAIRED AT CONTRACTORS EXPENSE.

17. PERPENDICULAR CURB RAMPS SHALL BE 6' WIDE FACE TO FACE OF CURB. THE 6' SIDEWALK SHALL CONTINUE BEYOND THE SIDEWALK CURB UNTIL IT MEETS EXISTING MAINLINE SIDEWALK.

18. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES, LOCAL GOVERNMENT AGENCIES AND IDOT.

19. SOIL STOCKPILES OR OTHER CONSTRUCTION MATERIALS SHALL NOT BE LOCATED WITHIN THE FLOOD PROTECTION AREA.

COMMITMENTS

NONE.

CHRISTOPHER B. BURKE ENGINEERING, LTD.
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Rosemont, Illinois 60018
(847) 823-0500

USER NAME = doconnell	DESIGNED - DOC	REVISED -	
	DRAWN - DOC	REVISED -	
PLOT SCALE =	CHECKED - GROZ	REVISED -	
PLOT DATE = 8/28/2018	DATE - 11/27/2017	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES AND INDEX OF SHEETS, STANDARDS, AND DETAILS

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

MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2315	14-00112-00-BR	COOK	46	2
		CONTRACT NO. 61E44		
		ILLINOIS FED. AID PROJECT		

\\CBBELSRVR1\cbbeldft\ROLLINGMEADOWS\980361.BR's\BR100's\98361BR100\Civil\NOT_98361BR100.01.SHT

PAY NO.	ITEM	UNIT	TOTAL QUANTITY
A2000086	TREE, ACER X FREEMANII ARMSTRONG (ARMSTRONG FREEMAN MAPLE), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	3
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	170
20101000	TEMPORARY FENCE	FOOT	25
20200100	EARTH EXCAVATION	CU YD	35
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	40
20300100	CHANNEL EXCAVATION	CU YD	195
20400800	FURNISHED EXCAVATION	CU YD	35
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	216
21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	139
25000210	SEEDING, CLASS 2A	ACRE	0.25
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	25
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	3
28000400	PERIMETER EROSION BARRIER	FOOT	239
28000510	INLET FILTERS	EACH	2
28001100	TEMPORARY EROSION CONTROL BLANKET	SQ YD	150
28100107	STONE RIPRAP, CLASS A4	SQ YD	290
28200200	FILTER FABRIC	SQ YD	290
30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	40
30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SQ YD	158
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	750
40600625	LEVELING BINDER (MACHINE METHOD), N50	TON	15
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	31
40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	43
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	35
42000070	PAVEMENT CONNECTOR (HMA) FOR BRIDGE APPROACH SLAB	SQ YD	72

PAY NO.	ITEM	UNIT	TOTAL QUANTITY
42001300	PROTECTIVE COAT	SQ YD	197
42400800	DETECTABLE WARNINGS	SQ FT	25
44000100	PAVEMENT REMOVAL	SQ YD	316
44000158	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"	SQ YD	345
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	238
44000600	SIDEWALK REMOVAL	SQ FT	983
44201713	CLASS D PATCHES, TYPE I, 6 INCH	SQ YD	5
44201717	CLASS D PATCHES, TYPE II, 6 INCH	SQ YD	10
44201721	CLASS D PATCHES, TYPE III, 6 INCH	SQ YD	15
44201723	CLASS D PATCHES, TYPE IV, 6 INCH	SQ YD	10
50101500	REMOVAL OF EXISTING SUPERSTRUCTURES	EACH	1
50102400	CONCRETE REMOVAL	CU YD	12.3
50200100	STRUCTURE EXCAVATION	CU YD	101
50201101	COFFERDAM (TYPE 1) (LOCATION - 1)	EACH	1
50201102	COFFERDAM (TYPE 1) (LOCATION - 2)	EACH	1
50300225	CONCRETE STRUCTURES	CU YD	36.9
50300255	CONCRETE SUPERSTRUCTURE	CU YD	23.1
50300260	BRIDGE DECK GROOVING	SQ YD	164
50300285	FORM LINER TEXTURED SURFACE	SQ FT	531
50300300	PROTECTIVE COAT	SQ YD	175
50301350	CONCRETE SUPERSTRUCTURE (APPROACH SLAB)	CU YD	50.3
50400305	PRECAST PRESTRESSED CONCRETE DECK BEAMS (17" DEPTH)	SQ FT	1970
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	29,860
* 50900105	ALUMINUM RAILING, TYPE L	FOOT	141

- SPECIALTY ITEM

CHRISTOPHER B. BURKE ENGINEERING, LTD.
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Rosemont, Illinois 60018
(847) 823-0500

USER NAME = dcconnell	DESIGNED - DOC	REVISED -	
	DRAWN - DOC	REVISED -	
PLOT SCALE =	CHECKED - GROZ	REVISED -	
PLOT DATE = 8/28/2018	DATE - 11/27/2017	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

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

MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2315	14-00112-00-BR	COOK	46	3
		CONTRACT NO. 61E44		
	ILLINOIS FED. AID PROJECT			

\\CBBELSRVR1\cbbeldft\ROLLINGMEADOWS\9B0361.BR's\BR100's\9B361BR180\Civil\QUA.01_9B361BR180.SHT

	PAY NO.	ITEM	UNIT	TOTAL QUANTITY
	51500100	NAME PLATES	EACH	1
	59100100	GEOCOMPOSITE WALL DRAIN	SQ YD	117
	60255800	MANHOLES TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID	EACH	1
	60260600	INLETS TO BE ADJUSTED WITH NEW TYPE 4 FRAME AND GRATE	EACH	2
	60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	180
*	63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	35
*	63100085	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	1
*	63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	1
	67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	3
	67100100	MOBILIZATION	L SUM	1
*	72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	1
*	78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	66
*	78007110	PERMANENT PAVEMENT MARKING - LINE 4"	FOOT	18
*	78200006	GUARDRAIL REFLECTORS, TYPE B	EACH	4
	X4240430	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH, SPECIAL	SQ FT	1005
	X5030305	CONCRETE WEARING SURFACE, 5"	SQ YD	221
	58600101	GRANULAR BACKFILL FOR STRUCTURES	CU YD	243
	X6640300	CHAIN LINK FENCE REMOVAL	FOOT	10
	X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1
*	X8430100	REMOVE EXISTING CONDUIT ATTACHED TO STRUCTURE	FOOT	45
	Z0013797	STABILIZED CONSTRUCTION ENTRANCE	SQ YD	210
	Z0013798	CONSTRUCTION LAYOUT	L SUM	1
	Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	55

* SPECIALTY ITEM

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Rosemont, Illinois 60018
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USER NAME = dcannell	DESIGNED - DOC	REVISED -	
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PLOT DATE = 8/28/2018	DATE - 11/27/2017	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

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

MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2315	14-00112-00-BR	COOK	46	4
		CONTRACT NO. 61E44		
		ILLINOIS FED. AID PROJECT		

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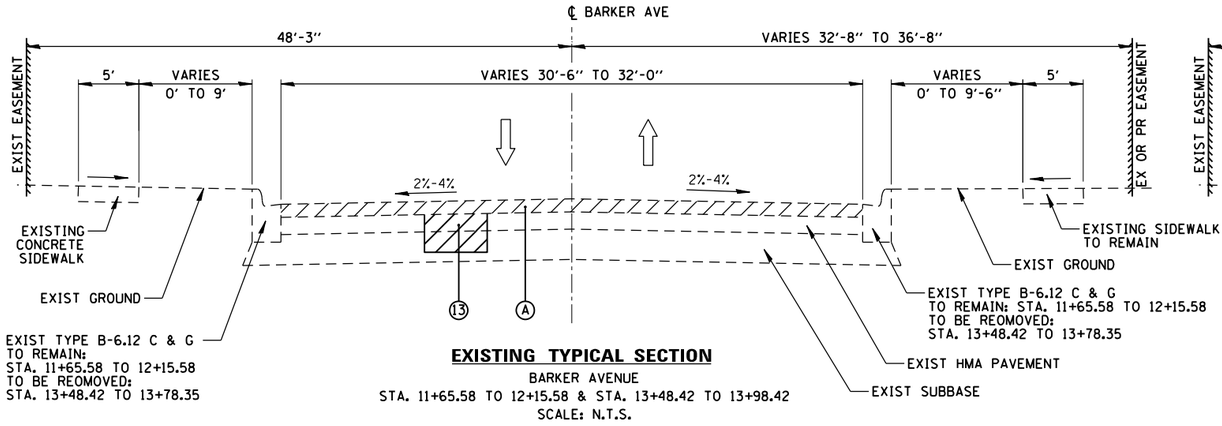
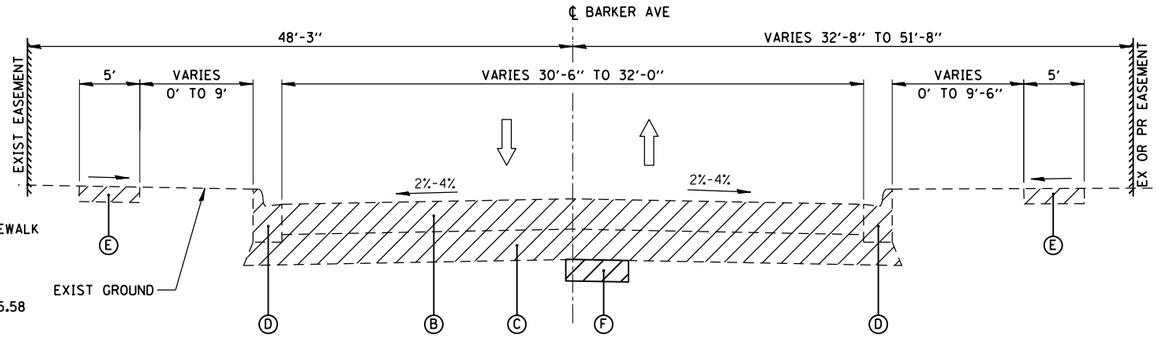


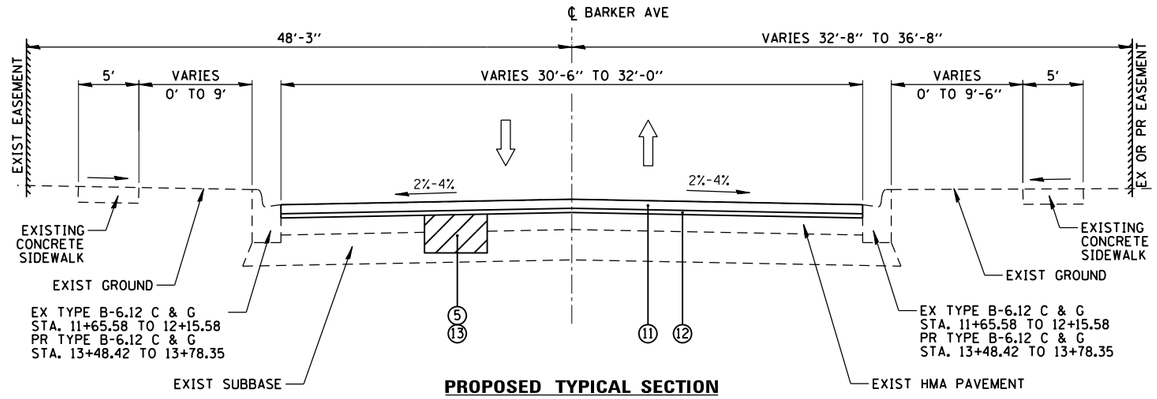
EXISTING TYPICAL SECTION

BARKER AVENUE
STA. 11+65.58 TO 12+15.58 & STA. 13+48.42 TO 13+98.42
SCALE: N.T.S.



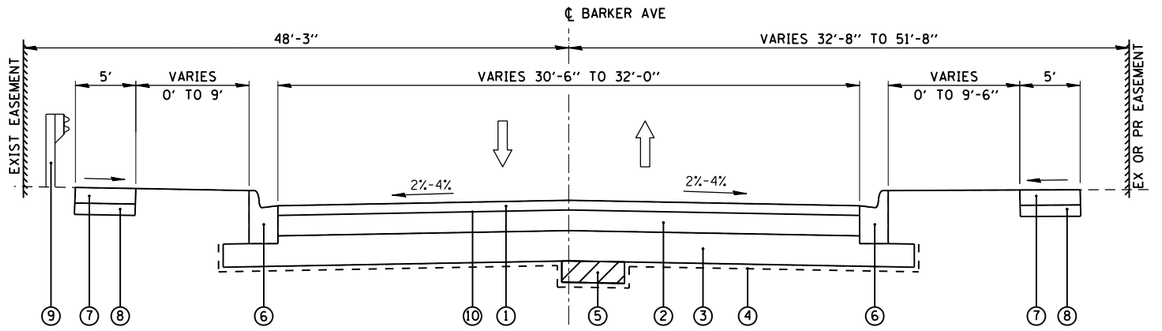
EXISTING TYPICAL SECTION

BARKER AVENUE
STA. 12+15.58 TO 12+60+00 & STA. 13+04.00 TO 13+48.42
SCALE: N.T.S.



PROPOSED TYPICAL SECTION

BARKER AVENUE
STA. 11+65.58 TO 12+15.58 & STA. 13+48.42 TO 13+98.42
SCALE: N.T.S.



PROPOSED TYPICAL SECTION

BARKER AVENUE
STA. 12+15.58 TO 12+45.58 & STA. 13+18.42 TO 13+48.42
SCALE: N.T.S.

HOT - MIX ASHPHLAT MIXTURE REQUIREMENTS

MIXTURE TYPE	AIR VIODS (%) @ Ndes
FULL DEPTH PAVEMENT:	
HOT MIX ASPHALT SURFACE COURSE, MIX "D", N50, (IL 9.5mm), 2"	4% @ 50 GYR
HOT MIX ASPHALT BINDER COURSE, IL-19.0, N50, 5 1/2" (IN TWO LIFTS)	4% @ 50 GYR
PAVEMENT RESURFACING:	
HOT MIX ASPHALT SURFACE COURSE, MIX "D", N50, (IL 9.5mm), 1 1/2"	4% @ 50 GYR
LEVELING BINDER (MACHINE METHOD), N50, (IL 9.5mm), 3/4"	4% @ 50 GYR
PATCHING:	
CLASS D PATCHES (HMA BINDER IL-19MM), 6"	4% @ 70 GYR

NOTES:

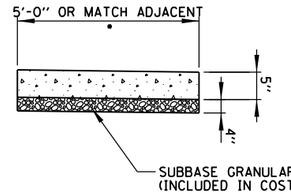
1. THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT SURFACE QUANTITIES IS 112 LB/SQ TD/IN.
2. THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS.
3. FOR HMA FULL DEPTH "AC TYPE" SEE SPECIAL PROVISIONS.
4. FOR RECYCLED MATERIALS SEE SPECIAL PROVISIONS.
5. THE CONTRACTOR SHALL MILL BEFORE PATCHING.

PROPOSED LEGEND

(1) 2" HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50
(2) 5 1/2" HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50
(3) AGGREGATE SUBGRADE IMPROVEMENT 12"
(4) GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
(5) AGGREGATE SUBGRADE IMPROVEMENT
(6) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
(7) PCC SIDEWALK, 5"
(8) AGGREGATE BASE COURSE, TYPE B 4"
(9) PROPOSED GUARDRAIL
(11) 1 ½" HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50;
(12) ¾" LEVELING BINDER (MACHINE METHOD), N50
(13) CLASS D PATCHES

EXISTING LEGEND

(A) HOT-MIX ASPHALT SURFACE REMOVAL, 2 ¼"
(B) PAVEMENT REMOVAL
(C) EARTH EXCAVATION
(D) COMBINATION CURB AND GUTTER REMOVAL
(E) SIDEWALK REMOVAL
(F) REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL



P.C.C. SIDEWALK 5 INCH, SPECIAL

NOT TO SCALE

NOTE:

ALL REQUIRED EARTH EXCAVATION TO CONSTRUCT P.C.C. SIDEWALK SHALL BE INCLUDED IN THE COST OF P.C.C. SIDEWALK 5 INCH, SPECIAL.

NOTE:
SEE STRUCTURAL PLAN SHEETS FOR TYPICAL APPROACH SLAB & BRIDGE SECTIONS

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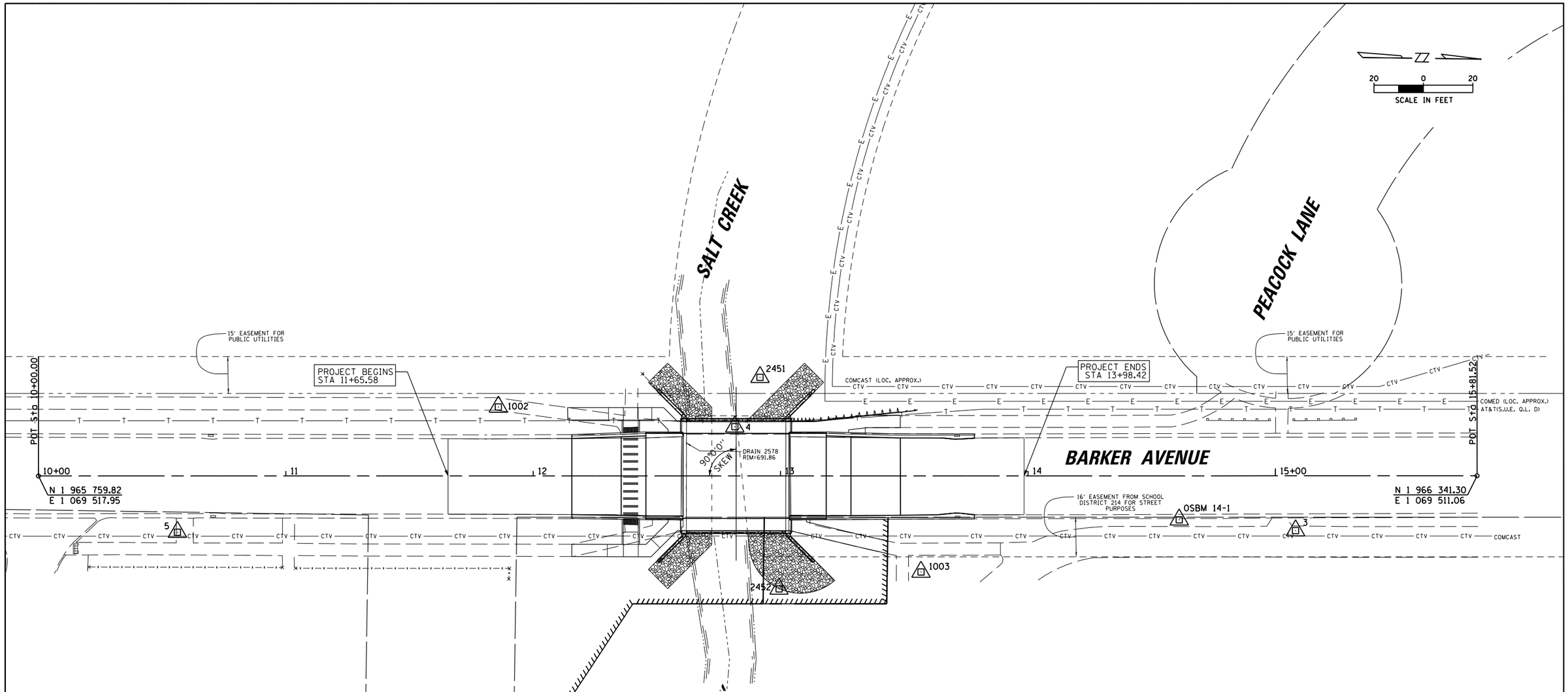
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

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

MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2315	14-00112-00-BR	COOK	46	5
		CONTRACT NO. 61E44		
	ILLINOIS FED. AID PROJECT			

\\CBBELSRVR1\cbbeldft\ROLLINGMEADOWS\980361.BR's\BR100's\98361BR180\Civil\TYP_98361BR180.01.SHT



HORIZONTAL CONTROL POINTS				
CP NO.	NORTHING (Y)	EASTING (X)	DESCRIPTION	ELEV.
5	N 1 965 816.28	E 1 069 540.02	CP-XCUT	700.22
1002	N 1 965 945.40	E 1 069 487.90	CHECK HORIZONTAL CONTROL	700.87
4	N 1 966 041.07	E 1 069 494.76	CP-XCUT	701.87
2451	N 1 966 051.01	E 1 069 474.66	CP-HUB	693.40
2452	N 1 966 059.71	E 1 069 560.08	CP-HUB	693.75
1003	N 1 966 116.99	E 1 069 552.57	CHECK HORIZONTAL CONTROL	701.57
3	N 1 966 268.21	E 1 069 534.06	CP-PK	701.99

ELEVATION BENCHMARKS DATUM:NAVD '88 (ROLLING MEADOWS)		
NO.	DESCRIPTION	ELEV.
MON 5	ROLLING MEADOWS MONUMENT 5- SLEEVED	700.14
	ROD LOCATED ON WEST SIDE OF BARKER AV.	
	APPROX. 0.1 MILES NORTH OF ALGONQUIN	
	RD. AND APRROX. 18' SOUTHEAST OF	
	BARKER LAKE SIGN	
OSBM 14-1	SQUARE CUT SET ON WEST FACE OF CONC.	701.21
	STREET LIGHT BASE ON EAST SIDE OF	
	BARKER AV., FIRST LIGHT POLE NORTH OF	
	BRIDGE OVER SALT CREEK	

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PLOT DATE = 9/11/2018	DATE - 11/27/2017	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ALIGNMENT, TIES, AND BENCHMARKS
BARKER AVENUE

SCALE: 20 | SHEET 1 OF 1 SHEETS | STA. 10+00.00 TO STA. 15+81.52

MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2315	14-00112-00-BR	COOK	46	6
		CONTRACT NO. 61E44		
	ILLINOIS FED. AID PROJECT			

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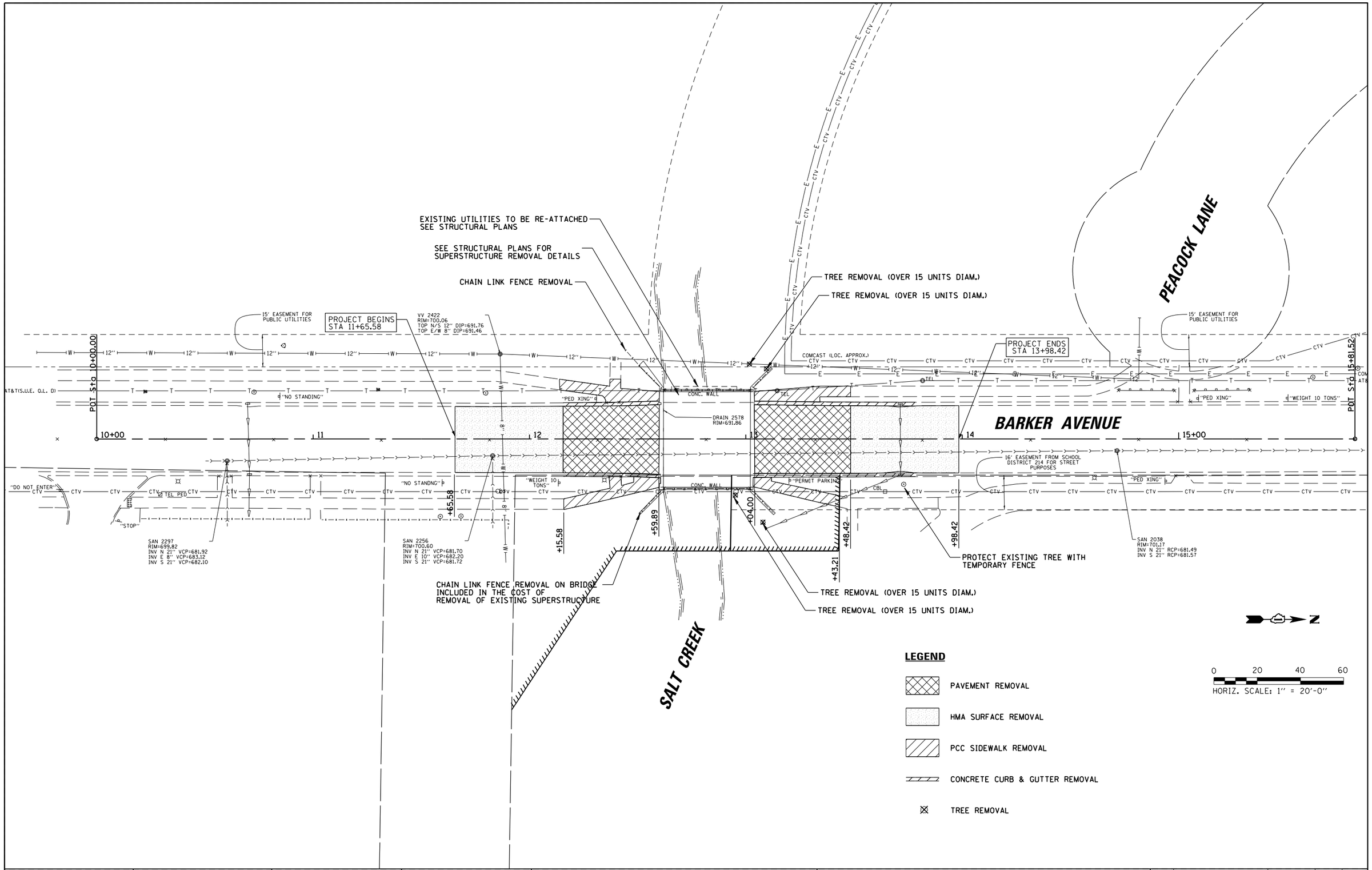

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PLOT DATE = 9/11/2018	DATE - 11/27/2017	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING CONDITIONS AND REMOVAL PLAN

SCALE: 20 | SHEET 1 OF 1 SHEETS | STA. 11+65.58 TO STA. 13+98.42

MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2315	14-00112-00-BR	COOK	46	7
		CONTRACT NO. 61E44		
	ILLINOIS FED. AID PROJECT			

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

PROFILE
SURVEYED
PLOTTED
GRADES CHECKED
B.M. NOTED
STRUCTURE NOTATNS CHKD
NOTE BOOK
NO.
BY
DATE

STONE RIPRAP, CLASS A4 (TYP)
BRIDGE APPROACH SLAB, STATION 12+45.58
ACER X FREEMANII ARMSTRONG, 3" BALLED AND BURLAPPED
COMB CONC CURB & GUTTER, TY B-6.12,
PAINTED CROSSWALK SEE D-1 STD TC-13
BEGIN ROADWAY RECONSTRUCTION STATION 12+15.58
BEGIN ROADWAY RESURFACING STATION 11+65.58
STRUCTURE NO. 016-6055
TRAFFIC BARRIER TERMINAL, TY 6
10 FT PAVEMENT CONNECTOR FOR BRIDGE APPROACH SLAB
STEEL PLATE BEAM GUARDRAIL, TY A, 6 FT POSTS (L=35 FT)
TRAFFIC BARRIER TERMINAL, TY 1 (SPECIAL) TANGENT WITH TERMINAL MARKER DIRECT APPLIED
END ROADWAY RECONSTRUCTION STATION 13+48.42
END ROADWAY RESURFACING STATION 13+98.42
EDGE OF WATER AS LOCATED BY CABEL SURVEY ON 10-07-2014
PEACOCK LANE
BARKER AVENUE
SALT CREEK
15' EASEMENT FOR PUBLIC UTILITIES
16' EASEMENT FROM SCHOOL DISTRICT 214 FOR STREET PURPOSES
CB 2394 RIM=699.59 INV E 10" PVC=697.07
VV 2422 RIM=700.06 TOP N/S 12" DIP=691.76 TOP E/W 8" DIP=691.46
INL 2167 RIM=700.27 INV E 10" RCP=697.85
INL 2074 RIM=700.30 INV SE 15" RCP=696.72 INV W 10" RCP=696.90
SAN 2038 RIM=701.17 INV N 21" RCP=681.49 INV S 21" RCP=681.57
SAN 2297 RIM=699.82 INV N 21" VCP=681.92 INV E 8" VCP=683.12 INV S 21" VCP=682.10
CB 2296 RIM=699.56 INV E 10" RCP=694.51 INV W 10" PVC=694.86
SAN 2256 RIM=700.60 INV N 21" VCP=681.70 INV E 10" VCP=682.20 INV S 21" VCP=681.72
DRAIN 2579 RIM=691.83
DRAIN 2578 RIM=691.86
DRAIN 2577 RIM=691.86
DRAIN 2576 RIM=691.86
DRAIN 2575 RIM=691.80
DRAIN 2574 RIM=691.82
POT Sta 10+00.00
POT Sta 15+81.52
10+00
11
12
13
14
15+00
ADJ
24'-0" (TYP)
15'-6"
15'-0"
31'-1"
5'-0" (TYP)
11'-0" (TYP)
10'-5"
R 21'
5'-0" TYP
+13.92
+36.46
+52.7
+58.15
+03.41
+13.77
+27.4
+35.3
+48.4
+55.35
+78.03
+15.58
+42.46
+45.56
+58.15
+60.58
+43.25
10 FT PAVEMENT CONNECTOR FOR BRIDGE APPROACH SLAB
ACER X FREEMANII ARMSTRONG, 3" BALLED AND BURLAPPED
DETECTABLE WARNING (TYP)
EXISTING PIPE OUTLET SHALL BE PRESERVED, RIP RAP SHALL BE PLACED AT THE BASE OF FLARED END SECTION AS DIRECTED BY THE ENGINEER
COMB CONC CURB & GUTTER, TY B-6.12 (TYP)
REPLACE EXISTING PAVEMENT MARKING FOR PARKING SPACES (TYP)
ACER X FREEMANII ARMSTRONG, 3" BALLED AND BURLAPPED
BRIDGE APPROACH SLAB, STATION 13+18.42
PCC SIDEWALK, 5" (TYP)
AREA AROUND EXISTING PIPE OUTLET SHALL BE EXCAVATED AND GRADED AS DIRECTED BY THE ENGINEER TO EXPOSE THE OUTLET FOR DRAINING INTO CHANNEL
COMCAST (LOC. APPROX.)
COMED (LOC. APPROX.)
AT&T(S.U.E. Q.L. D)
TEL PED
CBL
N

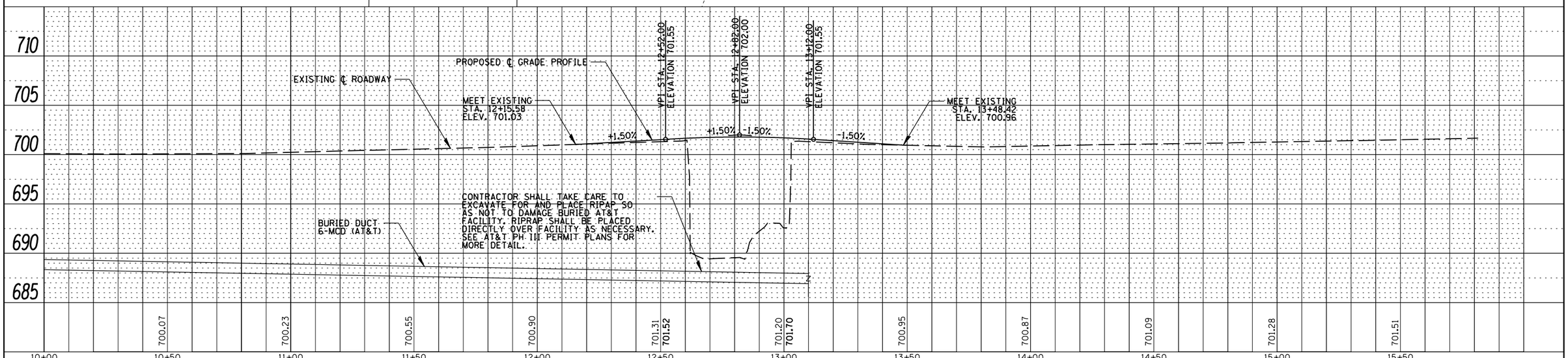
0 20 40 60
HORIZ. SCALE: 1" = 20'-0"

0 5 10 15
VERT. SCALE: 1" = 5'-0"

LEGEND

ADJ ADJUST EXISTING STRUCTURE, REPLACE LID OR FRAME AND GRATE

HMA BUTT JOINT



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY PLAN AND PROFILE

SCALE: 20 | SHEET 1 OF 1 SHEETS | STA. 11+65.58 TO STA. 13+98.42

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2135	14-00112-00-BR	COOK	46	8
		CONTRACT NO. 61E44		
	ILLINOIS FED. AID PROJECT			

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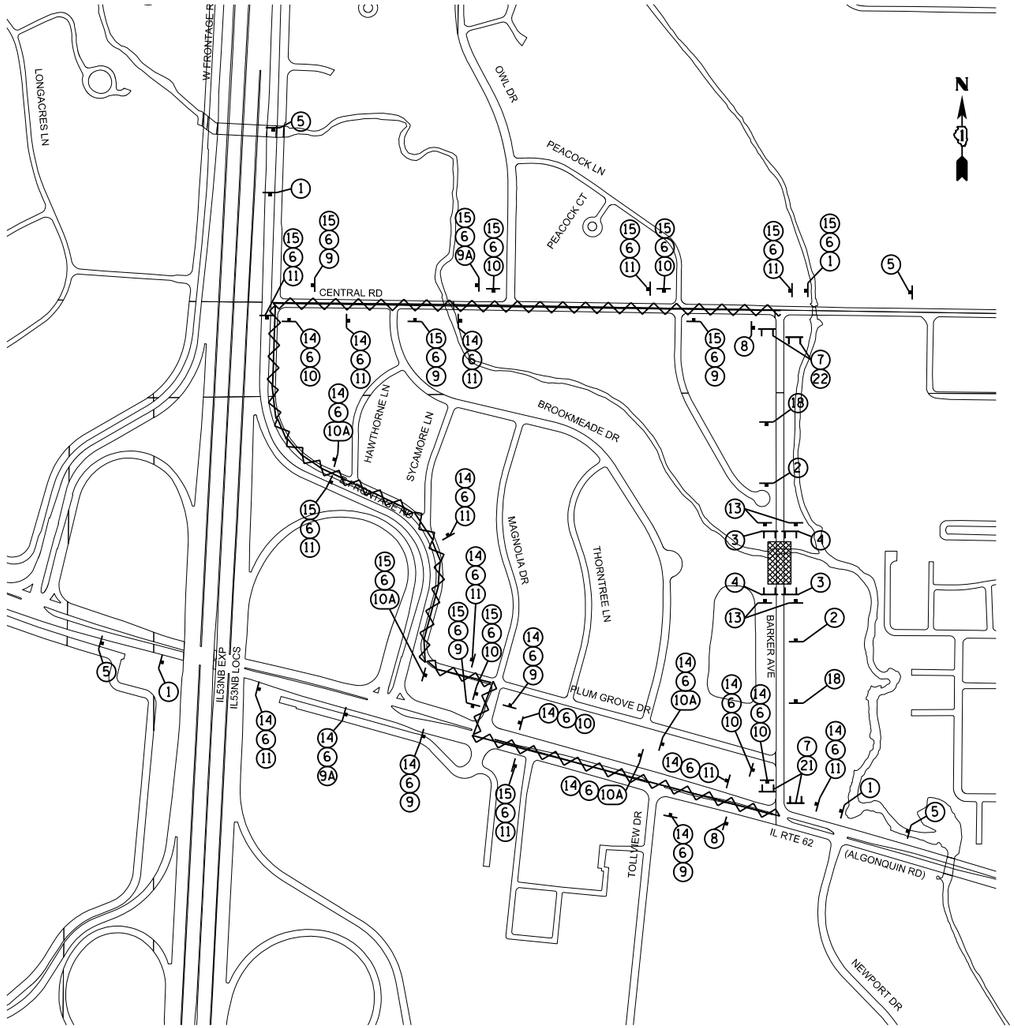

1. DETOUR AHEAD — W20-2(0) 4848
2. ROAD CLOSED 500 FT — W20-3(0) 4848
3. ROAD CLOSED — R11-2 4830
4. BRIDGE OUT — R11-2 4830
5. Barker Ave CLOSED AT Salt Creek — 6" BLACK LETTERS, ORANGE REFLECTIVE BACKGROUND
6. Barker Avenue — 6" BLACK LETTERS, ORANGE REFLECTIVE BACKGROUND
7. ROAD CLOSED TO THRU TRAFFIC — R11-4 6030
8. END DETOUR — M4-8A 2418
9. DETOUR ← — M4-9L 3021
9A. DETOUR ↰
10. DETOUR → — M4-9R 3021
10A. DETOUR ↱
11. DETOUR ↑ — M4-9 3021
13. SIDEWALK CLOSED — R9-9 2412
14. NORTH — M3-1(0) 2412
15. SOUTH — M3-3(0) 2412
16. R3-1 2424
17. R3-2 2424
18. ROAD CLOSED AHEAD — W20-3 4848
21. DETOUR ← — M4-10L 4818
22. DETOUR → — M4-10R 4818

NOTE: REFER TO DISTRICT 1 DETAIL TC-21 FOR TYPICAL SIGN LAYOUT AND SPACING

LEGEND:

- SIGN
- TYPE III BARRICADE
- PROJECT AREA
- DETOUR ROUTE

1. ALL SIGNING SHALL BE IN ACCORDANCE WITH THE APPLICABLE PROVISIONS OF THE LATEST EDITION OF THE STATE OF ILLINOIS "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", "THE QUALITY STANDARD FOR WORK ZONE TRAFFIC CONTROL DEVICES ADOPTED 2010", THE DETAILS IN THESE PLANS, THE LATEST EDITION OF THE STATE OF ILLINOIS "MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES", THE SPECIAL PROVISIONS FOR TRAFFIC CONTROL AND PROTECTION.

2. THE ENGINEER SHALL BE NOTIFIED IN WRITING AT LEAST THREE WEEKS PRIOR TO THE DAY THE DETOUR IS TO BE IN EFFECT. THE ENGINEER SHALL DETERMINE THE HOUR OF CLOSURE. THE ENGINEER WILL CONTACT THE APPROPRIATE LOCAL AGENCIES AND INTERESTED PARTIES. CITY WILL PROVIDE CONTRACTOR WITH AGENCY NAMES AND CONTACT INFORMATION ONCE THE NOTICE IS SUBMITTED TO THE CITY FOR REVIEW.

3. THE CONTRACTOR SHALL SUPPLY TO THE ENGINEER THE NAMES AND TELEPHONE NUMBERS OF HIS REPRESENTATIVES ON THE CONSTRUCTION SITE AND HIS REPRESENTATIVE RESPONSIBLE FOR THE DETOUR SIGNING PRIOR TO THE START OF THE WORK. THE CITY OF ROLLING MEADOWS REPRESENTATIVE FOR THIS DETOUR IS: MR. FRED VOGT; DIRECTOR OF PUBLIC WORKS, 847-963-0500.

4. IF REQUESTED BY THE CONTRACTOR IN WRITING AT LEAST THREE WEEKS PRIOR TO THE DAY THE DETOUR IS TO BE IN EFFECT, THE ENGINEER WILL FIELD LOCATE THE POSITIONS OF ANY SIGNS.

5. LONGITUDINAL DIMENSIONS SHOWN ON THESE PLANS MAY BE ADJUSTED TO FIT FIELD CONDITIONS, WITH THE APPROVAL OF THE ENGINEER.

6. THE ROAD SHALL NOT BE CLOSED UNTIL ALL SIGNING IS ERECTED IN ACCORDANCE WITH THE DETOUR PLAN AND INSPECTED AND APPROVED BY THE ENGINEER.

7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THAT ALL BARRICADES, SIGNS, LIGHTS, AND OTHER DEVICES INSTALLED BY HIM/HER ARE IN PLACE AND OPERATING 24 HOURS EACH DAY INCLUDING SUNDAYS AND HOLIDAYS DURING THE TIME THE DETOUR IS IN EFFECT.

8. THE TRAFFIC CONTROL SHOWN ON THE DETOUR PLAN IS THE MINIMUM NECESSARY FOR THIS ROAD CLOSURE. THE CONTRACTOR SHALL MAKE ALL CHANGES IN TRAFFIC CONTROL THAT IS DEEMED NECESSARY BY THE ENGINEER. ADDITIONS AND DELETIONS OF TRAFFIC CONTROL FOR THIS DETOUR SHALL BE CONSIDERED INCLUDED IN THE COST OF THE PAY ITEM "TRAFFIC CONTROL AND PROTECTION.

9. ALL EXISTING SIGNING THAT IS NOT APPLICABLE WHILE THE DETOUR IS IN EFFECT SHALL BE COMPLETELY COVERED BY THE CONTRACTOR, IN A MANNER APPROVED BY THE ENGINEER.

10. ALL DETOUR SIGNING SHALL BE POST MOUNTED IF THE ROAD CLOSURE IS TO EXCEED FOUR (4) CALENDAR DAYS.

11. ALL DETOUR SIGNING EXCEPT REGULATORY SIGNS SHALL HAVE BLACK LEGENDS ON FLUORESCENT ORANGE SHEETING AND STANDARD BLACK BORDERS. THE FLUORESCENT ORANGE REFLECTIVE SHEETING SHALL MEET THE REQUIREMENTS OF ARTICLE 1084.02 OF THE STANDARD SPECIFICATIONS. ALL DETOUR SIGNING SHALL BE NEW OR LIKE NEW CONDITION OF THE SIGNS. THE ENGINEER SHALL BE THE SOLE JUDGE OF THE CONDITION OF THE SIGNS.

12. THE SIZES OF ALL SIGNS NOT SPECIFIED IN THESE PLANS SHALL BE AS REQUIRED BY THE ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

13. AS A MINIMUM, ALL AMBER FLASHING LIGHTS THAT ARE REQUIRED FOR THIS DETOUR SHALL MEET THE REQUIREMENTS FOR TYPE A-LOW INTENSITY FLASHING LIGHTS IN ARTICLE 1084.01 OF THE STANDARD SPECIFICATIONS. ALL LIGHTS SHALL OPERATE DURING THE HOURS OF DARKNESS. ONLY LIGHTS THAT HAVE BEEN APPROVED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION SHALL BE USED.

14. WHEN REQUIRED THE MINIMUM DIMENSIONS OF THE ORANGE WARNING FLAGS SHOWN IN THESE PLANS ARE 18" X 18".

17. ALL BARRICADES SHALL HAVE REFLECTORIZED STRIPING ON BOTH SIDES OF THE BARRICADES. THE TYPE III BARRICADES USED AT THE POINT OF CLOSURE TO THRU TRAFFIC SHALL NOT EXCEED 8 FEET IN WIDTH EACH, FOR A SINGLE APPROACH LANE.

15. THE "ROAD CLOSED" (R11-2), THE "ROAD CLOSED TO THRU TRAFFIC" (R11-4) SIGNS SHALL BE MOUNTED ABOVE THE TOP OF THE BARRICADE. ALL TYPE III BARRICADES SHALL HAVE TWO (2) AMBER TYPE A-LOW INTENSITY FLASHING LIGHTS SPACED NEAR THE CENTERLINE OF THE SUPPORTS.

16. THE ROAD NAME SIGN SHALL HAVE A BLACK LEGEND ON FLUORESCENT ORANGE REFLECTIVE SHEETING. THE SIGN BLANK SHALL BE A 9" X VARIABLE OR A 12" X VARIABLE WITH DESIGN SERIES C LETTERS. THE CAPITAL LETTERS SHALL BE 6" WITH 5" LOWER CASE.

17. DURING NON-WORKING HOURS AT THE POINT OF ROAD CLOSURE TO ALL TRAFFIC THE CONTRACTOR SHALL PROVIDE A MEANS TO RESTRAIN THE BARRICADES FROM EASY MOVEMENT BY VANDALS. THE CHOSEN METHOD SHALL BE APPROVED BY THE ENGINEER.

18. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE VISIBILITY OF ALL DETOUR AND CONSTRUCTION SIGNING, INCLUDING BRUSHING BACK VEGETATION IF DEEMED NECESSARY BY THE ENGINEER.

19. THE ENGINEER SHALL BE NOTIFIED AT LEAST TWO (2) HOURS BEFORE THE ROAD IS TO BE OPENED TO TRAFFIC. THE ENGINEER WILL CONTACT THE APPROPRIATE LOCAL AGENCIES AND INTERESTED PARTIES. CITY WILL PROVIDE CONTRACTOR WITH AGENCY NAMES AND CONTACT INFORMATION ONCE THE NOTICE IS SUBMITTED TO THE CITY FOR REVIEW.

20. BRIDGE MAY BE CLOSED FOR NO LONGER THAN 60 DAYS.

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETOUR PLAN AND MAINTENANCE OF TRAFFIC PLAN

SCALE: N.T.S. | SHEET 1 OF 1 SHEETS | STA. 11+65.58 TO STA. 13+98.42

MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2315	14-00112-00-BR	COOK	46	9
		CONTRACT NO. 61E44		
		ILLINOIS	FED. AID PROJECT	

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EROSION CONTROL NOTES:

1. ALL TEMPORARY AND PERMANENT EROSION CONTROL MEASURES MUST BE MAINTAINED AND REPAIRED AS NEEDED. THE CONTRACTOR SHALL BE ULTIMATELY RESPONSIBLE FOR MAINTENANCE AND REPAIR.

2. ANY SEDIMENT OR SOIL REACHING AN IMPROVED PUBLIC RIGHT-OF-WAY, STREET, ALLEY OR PARKING AREA SHALL BE REMOVED BY SCRAPING OR STREET CLEANING AS ACCUMULATIONS WARRANT AND TRANSPORTED TO A CONTROLLED SEDIMENT DISPOSAL AREA.

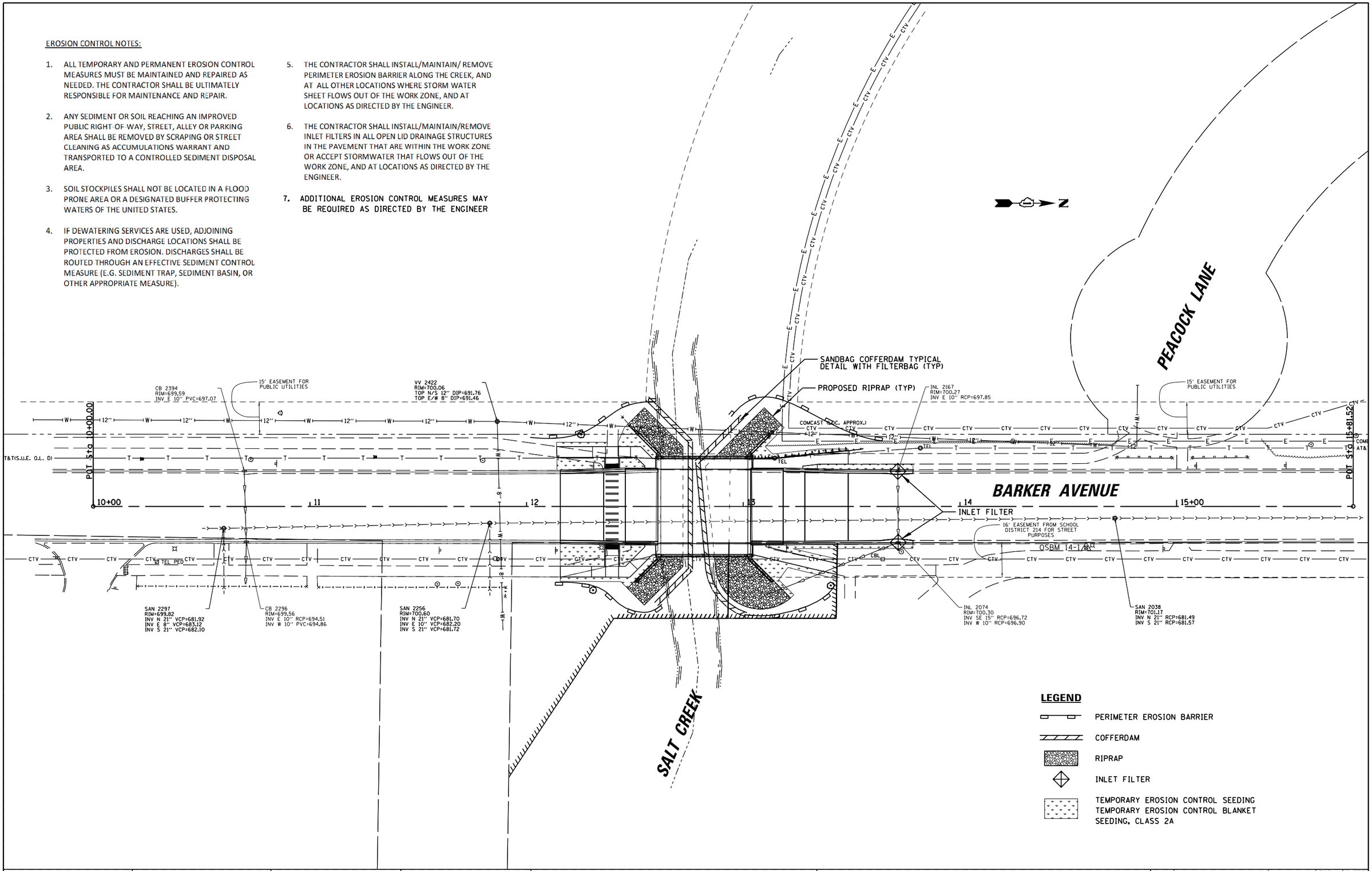
3. SOIL STOCKPILES SHALL NOT BE LOCATED IN A FLOOD PRONE AREA OR A DESIGNATED BUFFER PROTECTING WATERS OF THE UNITED STATES.

4. IF DEWATERING SERVICES ARE USED, ADJOINING PROPERTIES AND DISCHARGE LOCATIONS SHALL BE PROTECTED FROM EROSION. DISCHARGES SHALL BE ROUTED THROUGH AN EFFECTIVE SEDIMENT CONTROL MEASURE (E.G. SEDIMENT TRAP, SEDIMENT BASIN, OR OTHER APPROPRIATE MEASURE).

5. THE CONTRACTOR SHALL INSTALL/MAINTAIN/ REMOVE PERIMETER EROSION BARRIER ALONG THE CREEK, AND AT ALL OTHER LOCATIONS WHERE STORM WATER SHEET FLOWS OUT OF THE WORK ZONE, AND AT LOCATIONS AS DIRECTED BY THE ENGINEER.

6. THE CONTRACTOR SHALL INSTALL/MAINTAIN/REMOVE INLET FILTERS IN ALL OPEN LID DRAINAGE STRUCTURES IN THE PAVEMENT THAT ARE WITHIN THE WORK ZONE OR ACCEPT STORMWATER THAT FLOWS OUT OF THE WORK ZONE, AND AT LOCATIONS AS DIRECTED BY THE ENGINEER.

7. ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED AS DIRECTED BY THE ENGINEER



LEGEND

- PERIMETER EROSION BARRIER
- COFFERDAM
- RIPRAP
- INLET FILTER
- TEMPORARY EROSION CONTROL SEEDING
  TEMPORARY EROSION CONTROL BLANKET
  SEEDING, CLASS 2A

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION CONTROL PLAN

SCALE: 20 | SHEET 1 OF 1 SHEETS | STA. 11+65.58 TO STA. 13+98.42

MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2315	14-00112-00-BR	COOK	46	10
		CONTRACT NO. 61E44		
	ILLINOIS FED. AID PROJECT			

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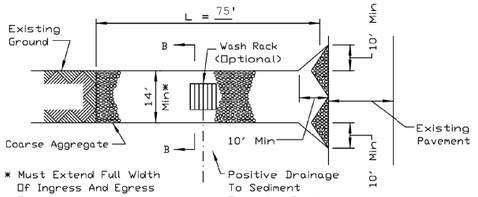
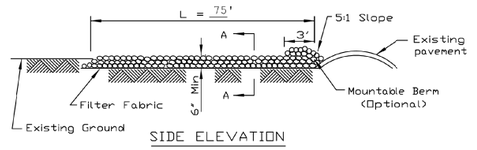
STABILIZED CONSTRUCTION ENTRANCE PLAN



PLAN VIEW

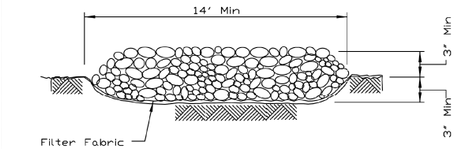


SIDE ELEVATION

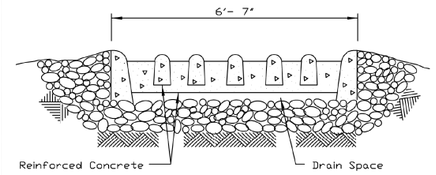
NOTES:
1. Filter fabric shall meet the requirements of material specification 592 GEOTEXTILE, Table I or 2, Class I, II or IV and shall be placed over the cleared area prior to the placing of rock.
2. Rock or reclaimed concrete shall meet one of the following IDOT coarse aggregate gradation, CA-1, CA-2,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

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

STABILIZED CONSTRUCTION ENTRANCE PLAN



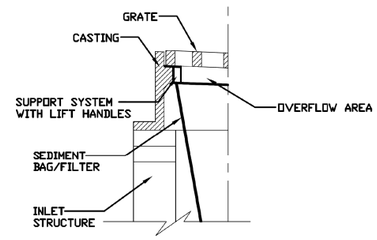
SECTION A-A

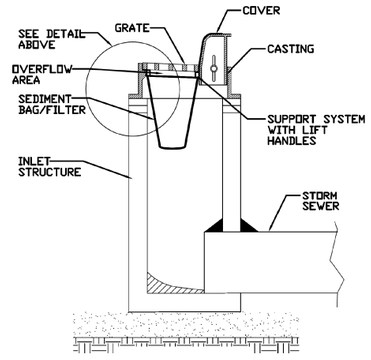


SECTION B-B

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

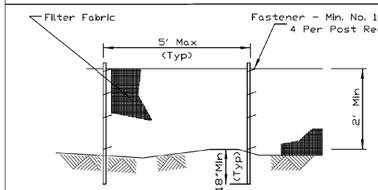
INLET PROTECTION - PAVED AREAS DROP-IN PROTECTION



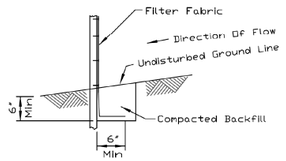


REFERENCE		STANDARD DWG. NO.
Project		IUM-561D
Designed ____ Date ____		SHEET 1 OF 1
Checked ____ Date ____		DATE 01-11-11
Approved ____ Date ____		

SILT FENCE PLAN



ELEVATION

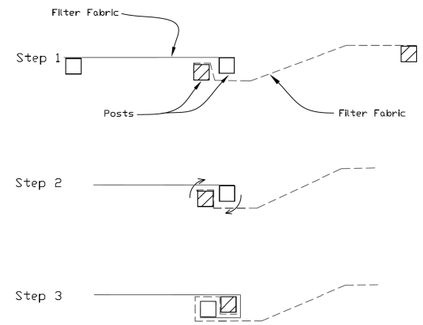


FABRIC ANCHOR DETAIL

NOTES:
1. Temporary sediment fence shall be installed prior to any grading work in the area to be protected. They shall be maintained throughout the construction period and removed in conjunction with the final grading and site stabilization.
2. Filter fabric shall meet the requirements of material specification 592 Geotextile Table 1 or 2, Class I with equivalent opening size of at least 30 for nonwoven and 40 for woven.
3. Fence posts shall be either standard steel post or wood post with a minimum cross-sectional area of 3.0 sq. in.

REFERENCE		STANDARD DWG. NO.
Project		IUM-620A
Designed ____ Date ____		SHEET 1 OF 2
Checked ____ Date ____		DATE 3-16-12
Approved ____ Date ____		

SILT FENCE - SPLICING TWO FENCES



ATTACHING TWO SILT FENCES

1. Place the end post of the second fence inside the end post of the first fence.
2. Rotate both posts at least 180 degrees in a clockwise direction to create a tight seal with the fabric material.
3. Cut the fabric near the bottom of the stakes to accommodate the 6" flap.
4. Drive both posts a minimum of 18 inches into the ground and bury the flap.
5. Compact backfill (particularly at splices) completely to prevent stormwater piping.

REFERENCE		STANDARD DWG. NO.
Project		IUM-620B(W)
Designed ____ Date ____		SHEET 1 OF 1
Checked ____ Date ____		DATE 3-16-2012
Approved ____ Date ____		

CHRISTOPHER B. BURKE ENGINEERING, LTD.
9575 W. Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

USER NAME = doconnell	DESIGNED - DOC	REVISED -	
	DRAWN - DOC	REVISED -	
PLOT SCALE =	CHECKED - GROZ	REVISED -	
PLOT DATE = 8/28/2018	DATE - 11/27/2017	REVISED -	

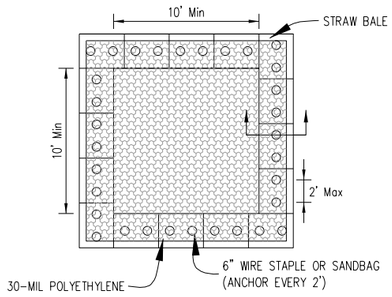
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION CONTROL DETAILS

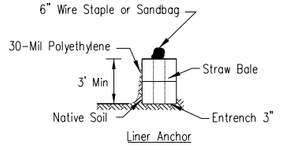
SCALE: N.T.S. | SHEET 1 OF 2 SHEETS | STA. | TO STA.

MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2315	14-00112-00-BR	COOK	46	11
		CONTRACT NO. 61E44		
	ILLINOIS	FED. AID PROJECT		

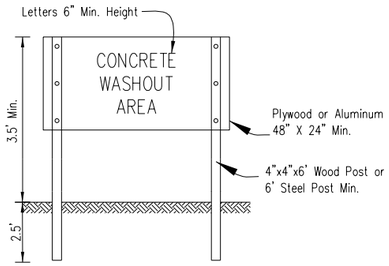
\\CBBELSRVR1\cbbeldft\ROLLINGMEADOWS\980361.BR's\BR100's\98361BR100\Civil\ERO_98361BR100.01.SHT



PLAN VIEW



STRAW BALE ANCHOR SECTIONS

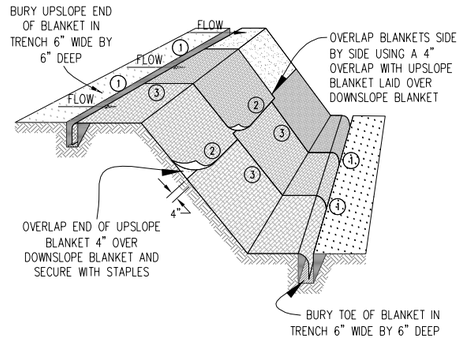


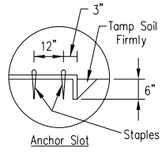
SIGN DETAIL

NOTES:

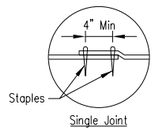
1. Maintaining temporary concrete washout facilities shall include removing and disposing of hardend concrete and/or slurry and returning the facilities to a functional condition.
2. Facility shall be cleaned or reconstructed in a new area once washout becomes two-thirds full.
3. Each straw bale is to be staked in place using (2) 2"x2"x4' wooden stakes.

Sheet 1 of 3	Drawing No. IUM-459	File Name	TEMPORARY CONCRETE WASHOUT FACILITY – STRAW BALE	Date
			Designed	
			Drawn B. JOHNSON	6/08
			Checked	
			Approved	

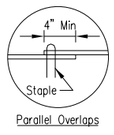




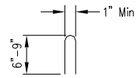
DETAIL 1



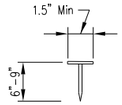
DETAIL 2



DETAIL 3



STAPLE DETAIL



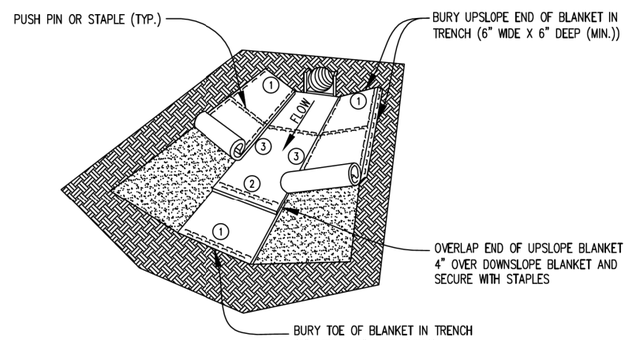
PUSH PIN DETAIL

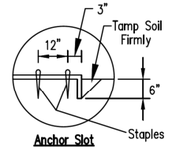
NOTES:

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

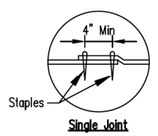
Sheet 1 of 1	Drawing No. IUM-530	File Name	EROSION CONTROL BLANKET INSTALLATION DETAILS	Date
			Designed	
			Drawn B. JOHNSON	11/08
			Checked	
			Approved	

EROSION CONTROL BLANKET - TURF REINFORCEMENT MAT (TRM)

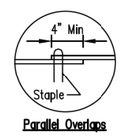




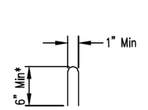
DETAIL 1



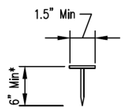
DETAIL 2



DETAIL 3



STAPLE DETAIL



PUSH PIN DETAIL

*Note:
1. For sandy soil conditions, staple or push pin shall be a minimum 8 inches.

REFERENCE		STANDARD DWG. NO.
Project		IUM-531
Designed	Date	SHEET 1 OF 1
Checked	Date	DATE 02-22-11
Approved	Date	

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USER NAME = doconnell	DESIGNED - DOC	REVISED -
	DRAWN - DOC	REVISED -
PLOT SCALE =	CHECKED - GROZ	REVISED -
PLOT DATE = 8/28/2018	DATE - 11/27/2017	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION CONTROL DETAILS

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

MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2315	14-00112-00-BR	COOK	46	12
		CONTRACT NO. 61E44		
	ILLINOIS FED. AID PROJECT			

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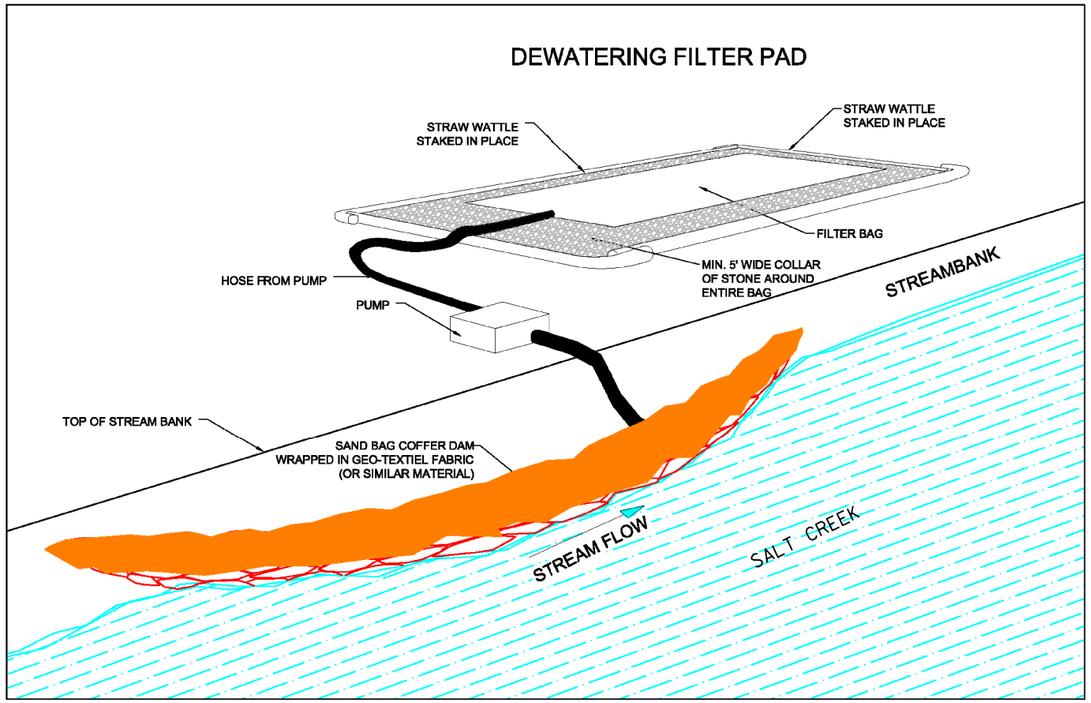


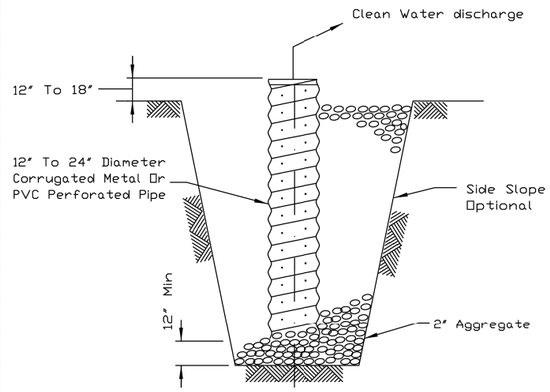
TEMPORARY PUMP DETAIL

SANDBAG COFFEDAM

A sandbag cofferdam should be installed by hand during low-flow conditions to isolate the streambank stabilization work from the flows of Salt Creek. If at the time of construction, the contractor believes that a cofferdam is not necessary to perform the work, the contractor shall gain approval from the US Army Corps of Engineers to proceed without installing a cofferdam. An impermeable liner, such as polyethylene plastic sheeting (minimum 20 ml thick), shall be placed in the creek along with the sandbags that must be an impermeable material shall be stacked in an alternating pattern upon the liner. The liner shall be placed so it may be wrapped over the sandbags towards the shore to create a seal. Sandbag cofferdam installation in a C-Shape design along the portion of the streambank requiring restoration. Following cofferdam installation, a pump equipped with a sediment bag will be used to dewater the area between the cofferdam and the streambank (see detail). The dewatering bag shall be placed as far from the creek as possible to maximize the time for sediment removal. The pump must be floated on top of the water to minimize the intake of sediment. The cofferdam, and pump must be maintained as necessary to allow the contractor to work "in the dry" and to control sediment. Following completion of the streambank restoration work, the sandbag cofferdam will be removed by hand, starting with the downstream side, to keep water flows. Unimpeded stabilization of upland areas may be required following removal of the sediment bag filter pad and should be completed using the specified native seed mix.

In no case shall the sandbag cofferdam be installed for greater than 30 days.

SUMP PIT PLAN



SECTION

NOTES:
1. Pit dimensions are optional.
2. The standpipe will be constructed by perforating a 12"-24" diameter corrugated metal or PVC pipe.
3. A base of 2" aggregate will be placed in the pit to a minimum depth of 12". After installing the standpipe, the pit surrounding the standpipe will then be backfilled with 2" aggregate.
4. The standpipe will extend 12" to 18" above the lip of the pit.
5. If discharge will be pumped direct.y to a storm drainage system, the standpipe will be wrapped with filter fabric before installation.
6. If desired, 1/4"-1/2" hardware cloth may be placed around the standpipe prior to attaching the filter fabric. This will increase the rate of water seepage into the pipe.

REFERENCE		STANDARD DWG. NO.
Project	NRCS Natural Resources Conservation Service	IL-650
Designed ____ Date ____		SHEET 1 OF 1
Checked ____ Date ____		DATE 8-11-94
Approved ____ Date ____		

CHRISTOPHER B. BURKE ENGINEERING, LTD.
9575 W. Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

USER NAME = doconnell	DESIGNED - DOC	REVISED -
	DRAWN - DOC	REVISED -
PLOT SCALE =	CHECKED - GROZ	REVISED -
PLOT DATE = 8/28/2018	DATE - 11/27/2017	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

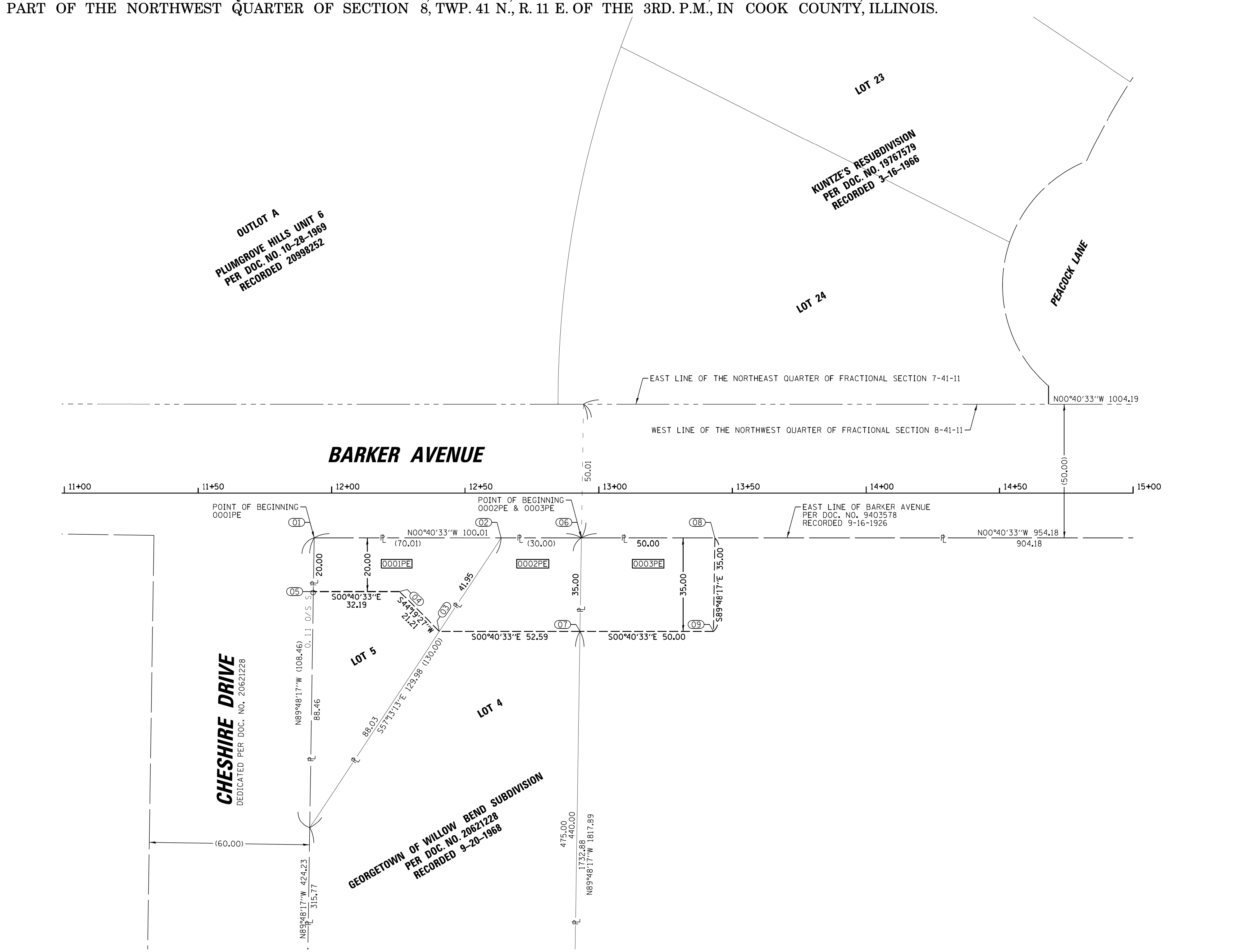
EROSION CONTROL DETAILS

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

MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2315	14-00112-00-BR	COOK	46	13
		CONTRACT NO. 61E44		
		ILLINOIS	FED. AID PROJECT	

\\CBBELSRVR1\cbbeldft\ROLLINGMEADOWS\980361.BR's\BR100's\98361BR180\Civil\ERO_98361BR180.02.SHT

PART OF THE SOUTHWEST QUARTER OF SECTION 5, TWP. 41 N., R. 11 E. OF THE 3RD. P.M., IN COOK COUNTY, ILLINOIS.
PART OF THE NORTHWEST QUARTER OF SECTION 8, TWP. 41 N., R. 11 E. OF THE 3RD. P.M., IN COOK COUNTY, ILLINOIS.



LEGEND

SECTION CORNER

QUARTER SECTION CORNER

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

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

●T1 T2 T3 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO TIE FOUND IRON STAKE IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.

●BT1 BT2 BT3 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.

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

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

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

□ RIGHT OF WAY STAKING PROPOSED TO BE SET

NOTE:

ALL DIMENSION ARE MEASURED UNLESS OTHERWISE SPECIFIED

BEARINGS AND DISTANCES SHOWN HEREON ARE ON THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID".

ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND". TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES BY THE COMBINATION FACTOR OF 0.99996083733.

AREAS SHOWN ON THIS PLAT ARE "GROUND"

STATE OF ILLINOIS)
)SS
COUNTY OF COOK)

THIS IS TO CERTIFY THAT I, KENNETH J. RASMUSSEN, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, (WE, CHRISTOPHER B. BURKE ENGINEERING, LTD. AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-001175,) HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 5, & 8, TOWNSHIP 41 NORTH, RANGE 11 EAST OF THE THIRD PRINCIPAL MERIDIAN, COOK COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT ROSEMONT, ILLINOIS THIS____DAY OF ____________20____A.D.

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-3240
LICENSE EXPIRATION DATE: 11-30-2018

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

CHRISTOPHER B. BURKE ENGINEERING, LTD.
9575 W. Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	EASEMENT AREA SQUARE FEET	PARCEL INDEX NUMBER
0001PE	0.087	N/A	N/A	0.087	PE= 0.034	1458	08-08-122-018
0002PE	30.001	N/A	N/A	30.001	PE= 0.033	1455	08-08-122-017 08-08-122-028 08-08-122-033
0003PE	38.806	N/A	N/A	38.806	PE= 0.040	1750	08-05-100-002 08-08-122-003 08-08-123-003

COORDINATE TABLE
ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NAD 83 (2007 ADJUSTMENT)

PT#	STATION	OFFSET	NORTHING	EASTING
01	11+93.47	16.70 RT	1965953.4156	1069532.3581
02	12+63.48	16.71 RT	1966023.4207	1069531.5324
03	12+40.35	51.71 RT	1966000.7082	1069566.8027
04	12+25.35	36.71 RT	1965985.5323	1069551.9807
05	11+93.16	36.70 RT	1965953.3474	1069552.3603
06	12+93.48	16.71 RT	1966053.4186	1069531.1786
07	12+92.94	51.71 RT	1966053.2993	1069566.1825
08	13+43.48	16.71 RT	1966103.4209	1069530.5889
09	13+42.95	51.71 RT	1966103.3016	1069565.5927

REVISION DATE: 09/11/2017 REVISION MADE BY: AJK

IDOT USE ONLY

PLAT OF HIGHWAYS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
BARKER AVENUE BRIDGE

LIMITS: ALGONQUIN RD TO CENTRAL RD COUNTY: COOK
SECTION: 14-00112-00BR JOB NO.: R-55-001-97
STA. 11+00 TO STA. 15+00
SCALE: SHEET OF SHEETS

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

\\CBBELSRVR1\cbbeldft\ROLLINGMEADOWS\980361.BR's\BR100's\98361BR162\Survey\Hwy98036BR180_3.sur

CHRISTOPHER B. BURKE ENGINEERING, LTD. 9575 W. Higgins Road, Suite 600 Rosemont, Illinois 60018 (847) 823-0500	USER NAME = doconnell	DESIGNED - DOC	REVISED -
		DRAWN - DOC	REVISED -
	PLOT SCALE =	CHECKED - GROZ	REVISED -
	PLOT DATE = 8/28/2018	DATE - 11/27/2017	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAT OF HIGHWAYS

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

MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2315	14-00112-00-BR	COOK	46	14

CONTRACT NO. 61E44

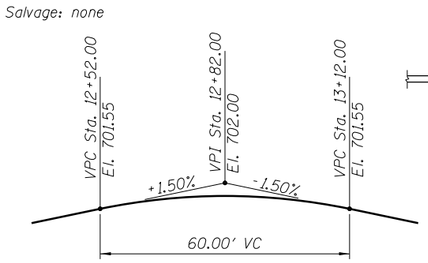
ILLINOIS FED. AID PROJECT

\\CBBELSRVR1\cbbeldft\ROLLINGMEADOWS\980361.BR's\BR100's\98361BR180\Civil\PLT_98361BR180_02.SHT

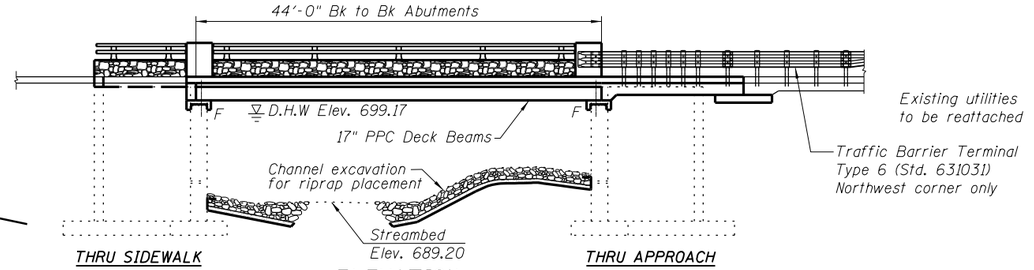
Benchmark: OSBM 14-1 Square Cut set on west face of concrete street light base on east side of Barker Avenue. First light poles north of bridge. Elev. 701.21

Existing Structure:
SN. 016-6055 constructed in 1970. The bridge is a single span structure with a length 44'-0" back to back of abutments and has no skew. The superstructure consists of 17-17"x36" PPC deck beams and 1-17"x48" PPC deck beam for a total width of 46'-0". The deck provides two lanes of traffic with a 5'-0" wide sidewalk and a 1'-0" concrete parapet on both sides with an aluminum type L railing. The bridge will be closed during construction and traffic detoured. No stage construction. The substructure will be reused.

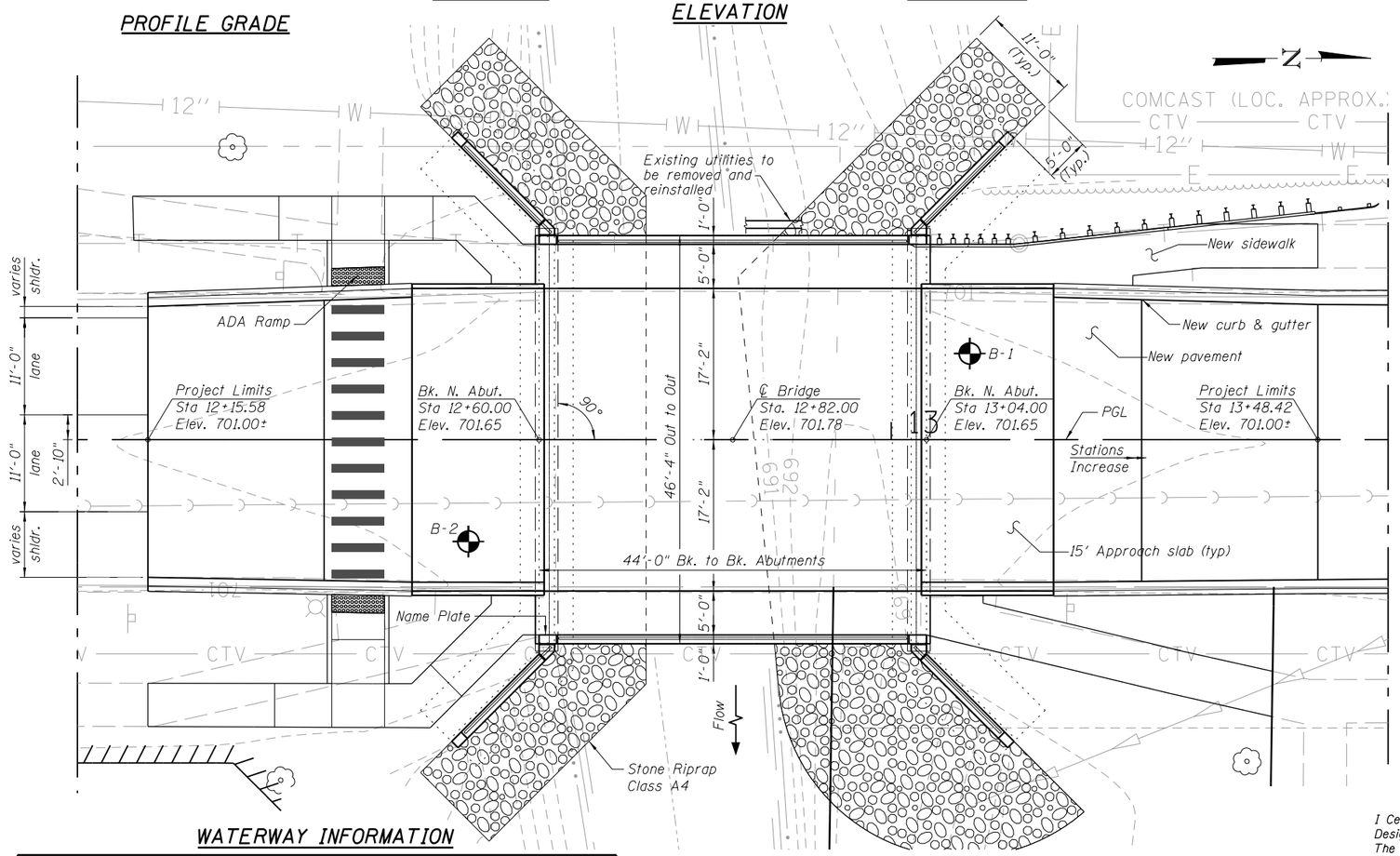
Salvage: none



PROFILE GRADE



ELEVATION



PLAN

WATERWAY INFORMATION

Drainage Area = 17.8 Sq. Miles

Flood	Freq. Yr.	Q C.F.S.	Opening Sq. Ft. Exist.	Opening Sq. Ft. Prop.	Nat. H.W.E.	Head - Ft. Exist.	Head - Ft. Prop.	Headwater El. Exist.	Headwater El. Prop.
	10	608	311.1	345.5	698.11	0.02	0.01	698.13	698.12
Design	30	887	355.0	389.0	699.17	0.05	0.03	699.22	699.20
Base	100	1202	360.5	394.2	700.09	0.12	0.08	700.21	700.17
Overtopping	250	1447	360.5	394.2	700.54	0.01	0.01	700.55	700.55
Max. Calc.	500	1641	360.5	394.2	700.88	0.04	0.01	700.92	700.89

DESIGN SCOUR ELEVATION TABLE

Design Scour Elevations (ft.)	N. Abut.	S. Abut.	Item 113
Q100	689.20	689.20	5
Q200	689.20	689.20	
Design	685.70	685.70	

STATE OF ILLINOIS · MAJID MOBASSERI · 081-005058 · CHAMPAIGN, ILLINOIS · LICENSED STRUCTURAL ENGINEER

I Certify That To The Best Of My Knowledge, Information And Belief, This Bridge Design Is Structurally Adequate For The Design Loading Shown On The Plans. The Design Is An Economical One For The Style Of Structure And Complies With Requirements Of The Current "AASHTO Standard Specification For Highway And Bridges".

11/27/2017

MAJID MOBASSERI
ILLINOIS REGISTRATION No. 081-005058 STRUCTURAL ENGINEER
EXPIRATION DATE: 11/30/2018

INDEX OF SHEETS

SALT CREEK
RE-BUILT BY
CITY OF ROLLING MEADOWS
SEC. 14-00112-00BR
STATION 12+82.00
STR. NO. 016-6055
LOADING HL-93

NAME PLATE

See Std. 515001

DESIGN STRESSES

FIELD UNITS (NEW CONSTRUCTION)

f'c = 4,000 psi
fy = 60,000 psi (Reinforcement)

PRECAST PRESTRESSED UNITS

f'c = 6,000 psi
f'_{ci} = 5,000 psi
f_{pu} = 270,000 psi ($\frac{1}{2}$"ϕ low relax. strands)
f_{pbt} = 201,960 psi ($\frac{1}{2}$"ϕ low relax. strands)

FIELD UNITS (EXIST. CONSTRUCTION)

f'c = 2,500 psi
fy = 40,000 psi (Reinforcement)

SEISMIC DATA

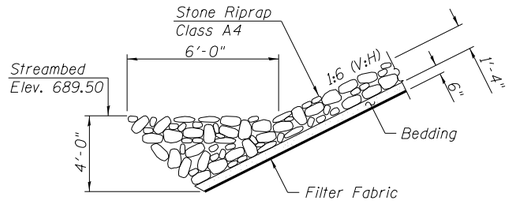
Seismic Performance Zone (SPZ) = 1
Design Spectral Acceleration at 1.0 sec. (S_{D1}) = 0.083g
Design Spectral Acceleration at 0.2 sec. (S_{Ds}) = 0.145g
Soil Site Class = D

LOADING HL-93

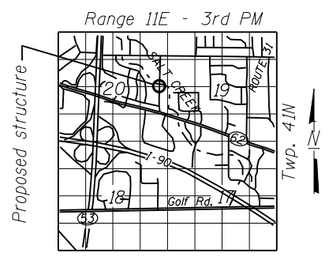
Allow 50#/sq. ft. for future wearing surface.

DESIGN SPECIFICATIONS

2014 AASHTO LRFD Bridge Design Specifications, 7th Edition



SECTION A-A



LOCATION SKETCH

GENERAL PLAN
BARKER AVENUE OVER SALT CREEK
SECTION 14-00112-00-BR
COOK COUNTY
STA. 12+82.00
STRUCTURE No. 016-6055

CHRISTOPHER B. BURKE ENGINEERING, LTD.
9575 W. Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

USER NAME = doconnell	DESIGNED - MM	REVISED
	CHECKED - MM	REVISED
PLOT SCALE =	DRAWN - PDR	REVISED
PLOT DATE = 8/28/2018	CHECKED - MM	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN AND ELEVATION
BARKER AVENUE OVER SALT CREEK
STRUCTURE No. 016-6055
SHEET NO. S1 OF S20 SHEETS

MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2315	14-00112-00-BR	COOK	46	15
		CONTRACT NO. 61E44		
	ILLINOIS FED. AID PROJECT			

N:\ROLLINGMEADOWS\980361.BR's\BR100's\98361BR180\Struct\GPE_98361BR180.sht

GENERAL NOTES

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

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

3. Layout of the slope protection system may be varied to suit ground conditions in the field as directed by the Engineer.

4. Excavation behind existing abutment walls shall be performed to balance front and back soil pressure before removing the existing superstructure.

5. Backfill shall be placed behind the abutment after the superstructure has been poured and falsework removed. See Article 502.10 of the Standard Specifications.

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

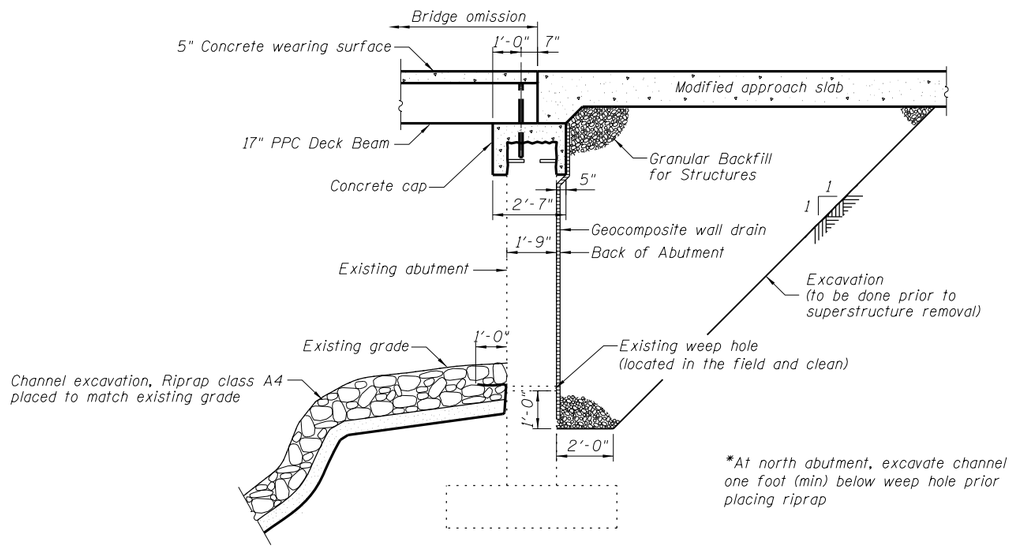
7. Existing reinforcement shall be cleaned and incorporated into the new construction. Cost included with Concrete Removal.

8. Utility company shall provide support to the cables attached on face of bridge during construction.

9. Installation of concrete cap dowels to be included in "Concrete Structures".

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Channel Excavation	Cu. Yd.		195	195
Structural Excavation	Cu. Yd.		101	101
Granular Backfill for Structures	Cu. Yd.		243	243
Stone Riprap, Class A4	Sq. Yd.		290	290
Filter Fabric	Sq. Yd.		290	290
Concrete Structures	Cu. Yd.		36.9	36.9
Concrete Superstructure	Cu. Yd.	23.1		23.1
Bridge Deck Grooving	Sq. Yd.	164		164
Protective Coat	Sq. Yd.	372		372
Reinforcement Bars, Epoxy Coated	Pound	23,910	5,950	29,860
Aluminum Railing, Type L	Foot	141		141
Name Plates	Each	1		1
Geocomposite Wall Drain	Sq. Yd.		117	117
Formliner Textured Surface	Sq. Ft.	531		531
Concrete Superstructure (Approach Slab)	Cu. Yd.	50.3		50.3
Traffic Barrier Terminal, Type 6	Each	1		1
Precast Prestressed Conc. Deck Beams (17" Depth)	Sq. Ft.	1,970		1,970
Concrete Wearing Surface, 5"	Sq. Yd.	221		221
Concrete Removal	Cu. Yd.		12.3	12.3
Removal of Existing Superstructure	Each	1		1



SECTION THRU ABUTMENT

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PLOT SCALE =	DRAWN - PDR	REVISED	
PLOT DATE = 8/28/2018	CHECKED - MM	REVISED	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL DATA
BARKER AVENUE OVER SALT CREEK
STRUCTURE No. 016-6055
SHEET NO. S2 OF S20 SHEETS

MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2315	14-00112-00-BR	COOK	46	16
		CONTRACT NO. 61E44		
	ILLINOIS FED. AID PROJECT			

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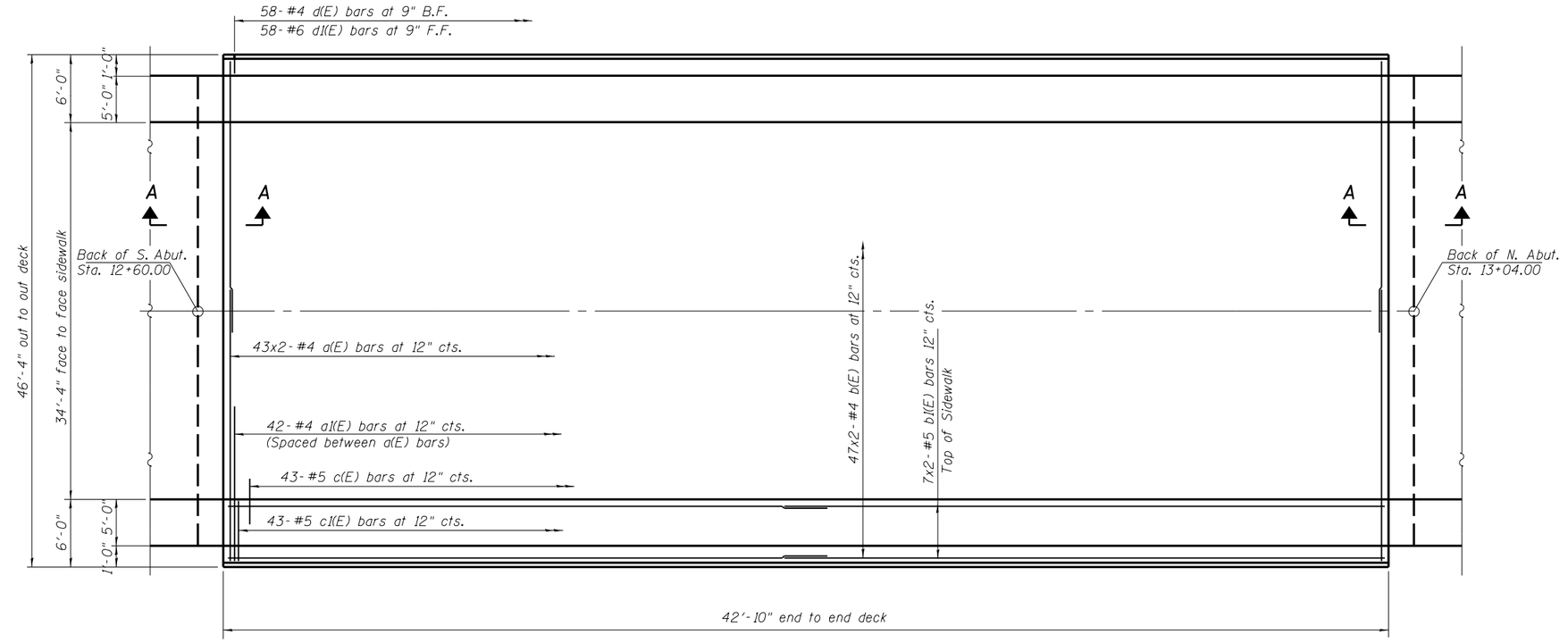
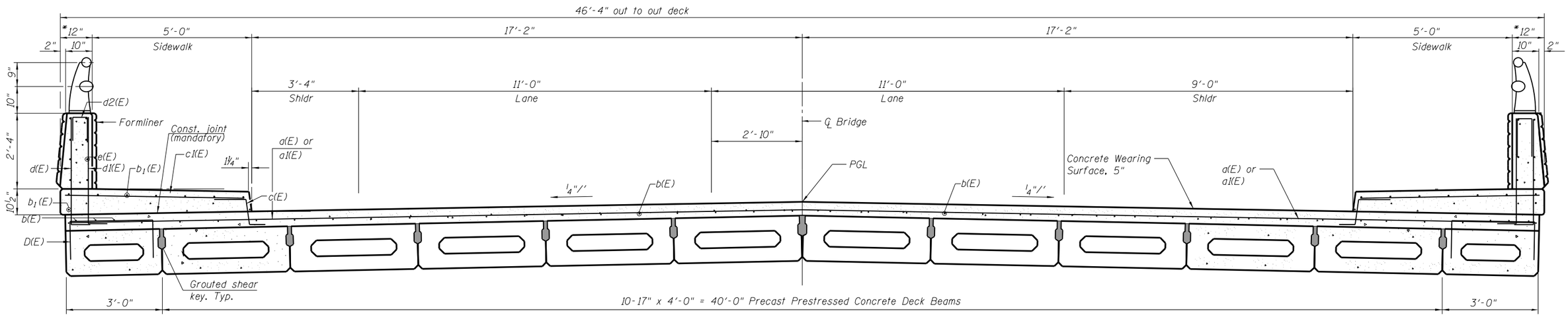


PLAN



CROSS SECTION
(Looking North)

N

SECTION A-A

Notes:
All concrete wearing surfaces shall be placed prior to casting a backwall and/or approach slab.
See sheet S6 of S20 for fabric bearing pad details.

* Dimensions Are for Sidewalk Barrier Only. Add $1\frac{5}{8}$" For Formliner Relief To Each Side of Barrier

Notes:
See sheet S4 of S20 for Superstructure Details and Bill of Material.
Bars indicated thus 20 x 2-#4 etc. indicates 20 lines of bars with 2 lengths per line.

MINIMUM BAR LAP

#4 bar = 2'-2"

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PLOT DATE = 8/28/2018	CHECKED - MM	REVISED	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DECK PLAN AND CROSS SECTION
BARKER AVENUE OVER SALT CREEK
STRUCTURE No. 016-6055
SHEET NO. S3 OF S20 SHEETS

MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2315	14-00112-00-BR	COOK	46	17
		CONTRACT NO. 61E44		
	ILLINOIS FED. AID PROJECT			

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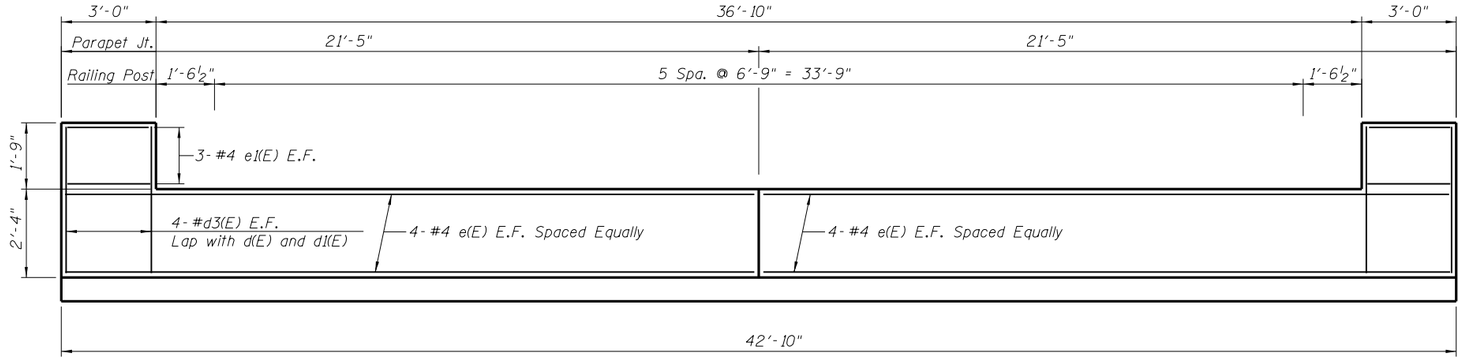
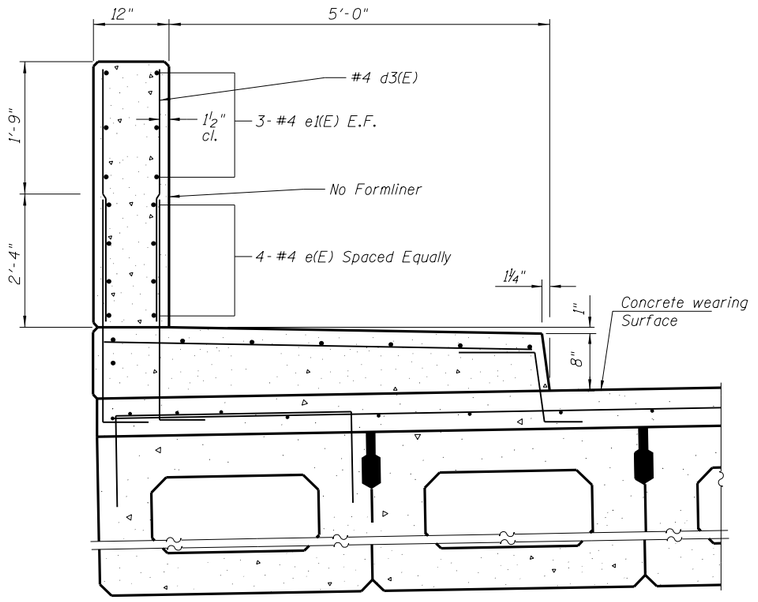


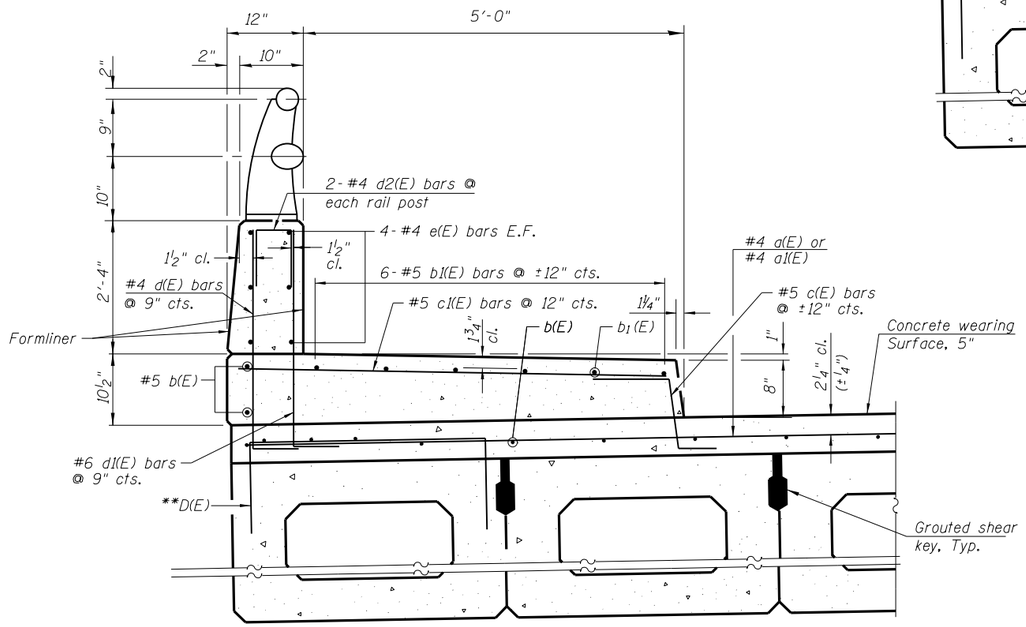
MINIMUM BAR LAP

(Parapet)
#4 bar = 2'-8"

BRIDGE SIDEWALK PARAPET ELEVATION

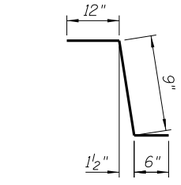


SECTION THRU PARAPET AT END POST

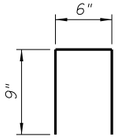


SECTION THRU PARAPET

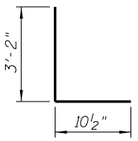
** Place #4 D(E) bars at 9" cts. in fascia beam. D(E) bar included in cost of beam.



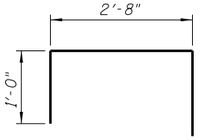
BAR C(E)



BAR d2(E)



BARS d(E) & d1(E)

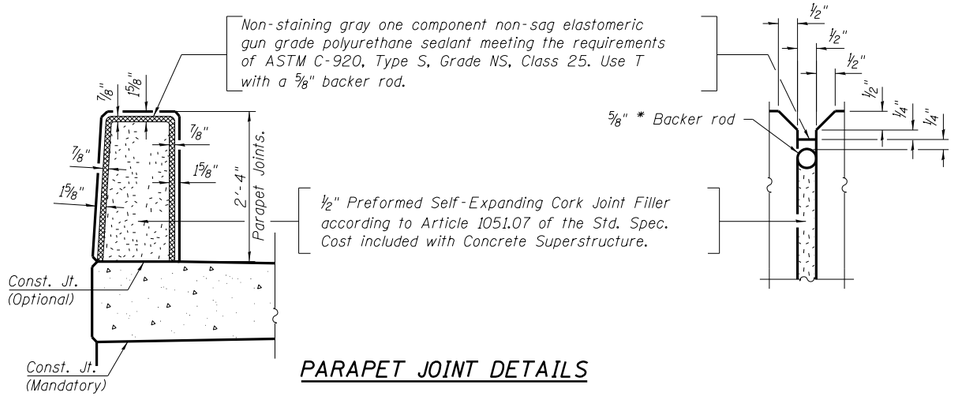


BAR D(E)

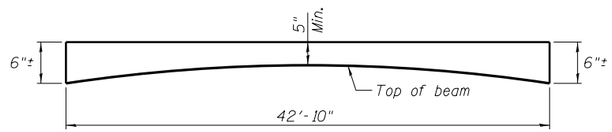
SUPERSTRUCTURE BILL OF MATERIAL

Bar	No.	Size	Length	Shape
d(E)	86	#4	25'-5"	——
a1(E)	84	#4	6'-0"	——
b(E)	94	#4	22'-7"	——
b1(E)	32	#5	22'-7"	——
c(E)	86	#5	2'-3"	⌠
c1(E)	86	#5	5'-6"	——
d(E)	116	#4	4'-1"	L
d1(E)	116	#6	4'-1"	L
d2(E)	24	#4	2'-0"	⊓
d3(E)	32	#4	3'-9"	——
e(E)	32	#4	21'-1"	——
e1(E)	24	#4	2'-8"	——
Reinforcement Bars, Epoxy Coated		Pound	6,290	
Concrete Superstructure		Cu. Yd.	23.1	
Concrete Wearing Surface, 5"		Sq. Yd.	221.4	

Bars indicated thus 1 x -#4 etc. indicates 1 line of bars with lengths per line.



PARAPET JOINT DETAILS



ANTICIPATED CONCRETE WEARING SURFACE PROFILE

(For information only)

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		CHECKED - MM	REVISED
	PLOT SCALE =	DRAWN - PDR	REVISED
	PLOT DATE = 8/28/2018	CHECKED - MM	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE DETAILS
BARKER AVENUE OVER SALT CREEK
STRUCTURE No. 016-6055
SHEET NO. 54 OF 520 SHEETS

MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2315	14-00112-00-BR	COOK	46	18
		CONTRACT NO. 61E44		
		ILLINOIS FED. AID PROJECT		

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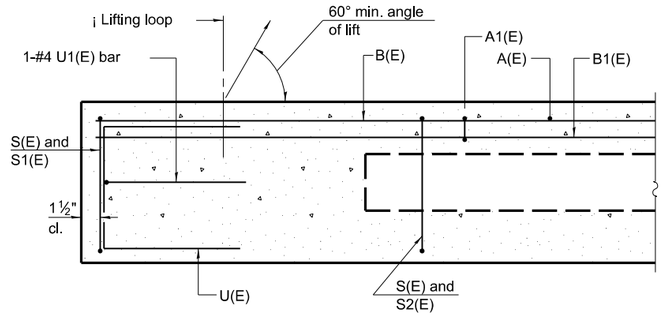
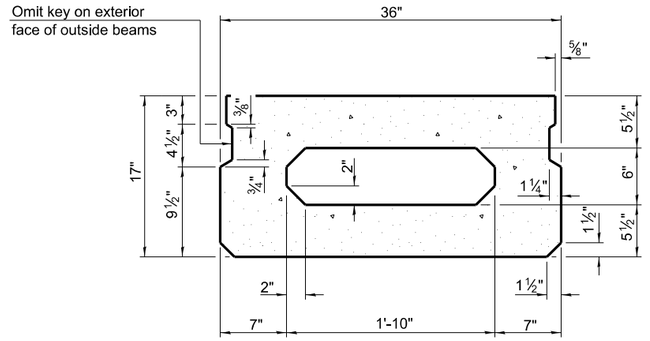
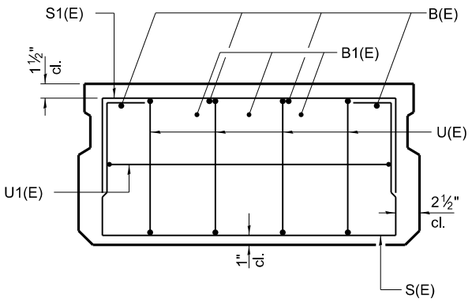


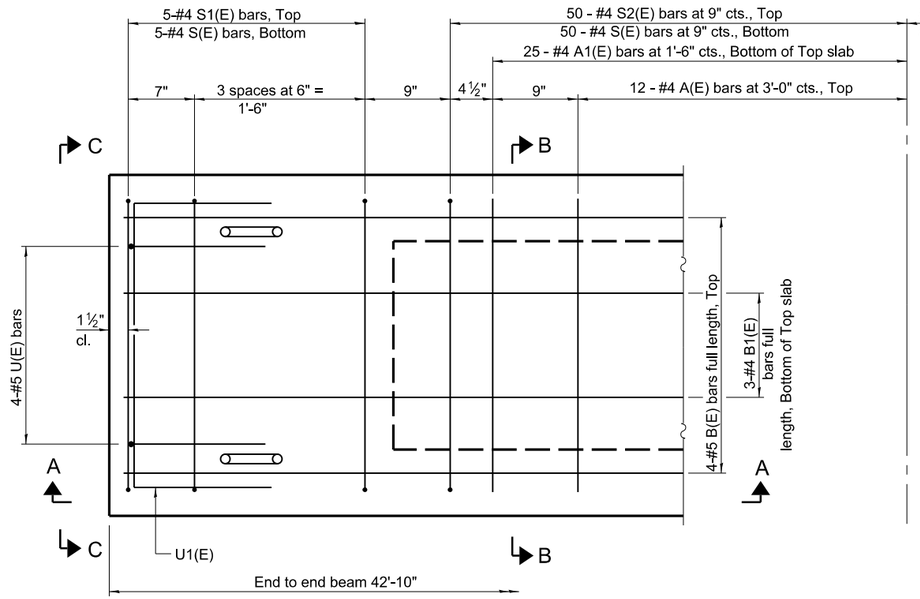
SECTION A-A



SECTION B-B
(Showing dimensions)

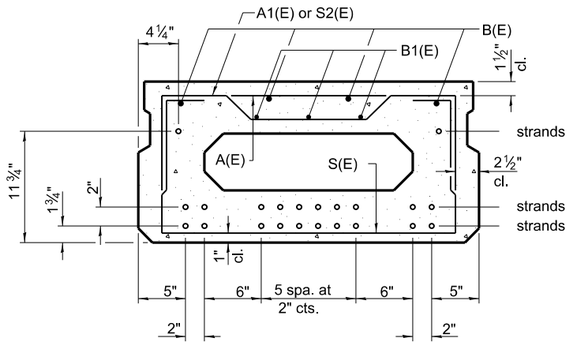


VIEW C-C



PLAN VIEW

Note: Spacing of S(E) and S2(E) bars may be adjusted up to 4" in the immediate area of the transverse tie diaphragms to miss the block outs for the transverse ties.



SECTION B-B
(Showing reinforcement and permissible strand locations)

Note: Place the number of strands specified in each row symmetrically about the centerline of beam in the permissible strand locations shown.

10 Strands @ 1¾"
10 Strands @ 3¾"
2 Strands @ 11¾"

MINIMUM BAR LAP
#4 bar = 1'-11"
#5 bar = 2'-6"

BAR LIST
ONE BEAM ONLY
(For information only)

Bar	No.	Size	Length	Shape
A(E)	12	#4	2'-7"	—
A1(E)	25	#4	2'-10"	⌒
B(E)	4	#5	42'-4"	—
B1(E)	3	#4	42'-4"	—
S(E)	60	#4	5'-9"	⌴
S1(E)	10	#4	4'-3"	⌐¬
S2(E)	50	#4	4'-6"	⌐¬
U(E)	8	#5	3'-8"	⊏
U1(E)	2	#4	5'-0"	⌐¬

Note: See sheet S6 of S20 for additional details and Bill of Material.

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PLOT SCALE =	DRAWN - PDR	REVISED
PLOT DATE = 8/28/2018	CHECKED - MM	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

17"x36" PPC DECK BEAM
BARKER AVENUE OVER SALT CREEK
STRUCTURE No. 016-6055
SHEET NO. S5 OF S20 SHEETS

MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2315	14-00112-00-BR	COOK	46	19
		CONTRACT NO. 61E44		
	ILLINOIS FED. AID PROJECT			

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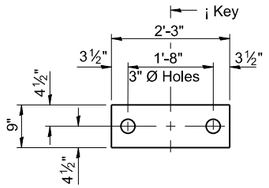
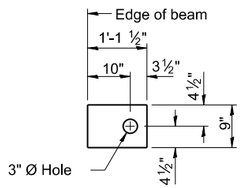


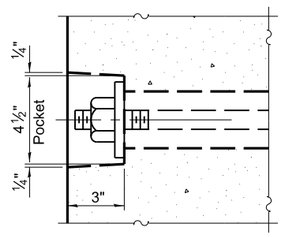
FABRIC BEARING PAD
(Interior)



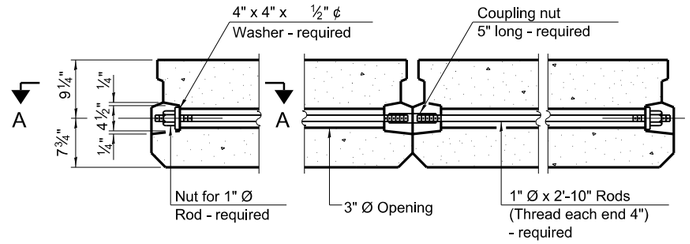
FABRIC BEARING PAD
(Exterior)

FIXED

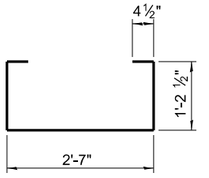
Notes:
All bearing pads shall be 1" thick.
Omit holes when using expansion bearings.
Expansion bearing pad shall be bonded to the substructure.



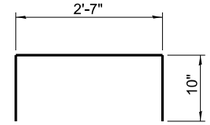
SECTION A-A



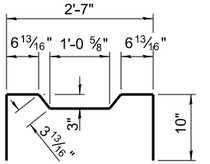
TYPICAL TRANSVERSE TIE ASSEMBLY



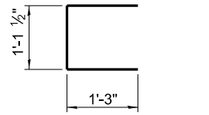
BAR S(E)



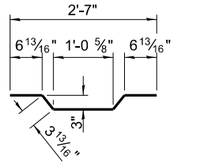
BAR S1(E)



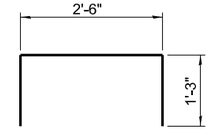
BAR S2(E)



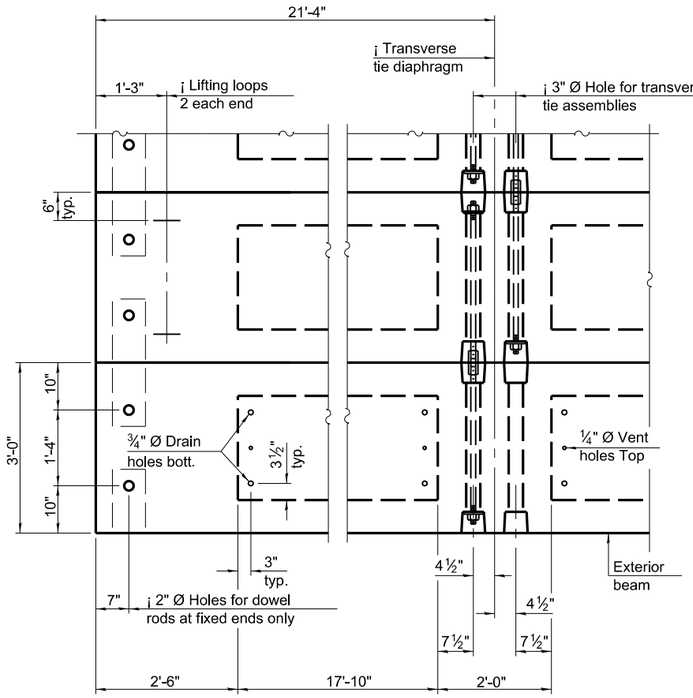
BAR U(E)



BAR A2(E)

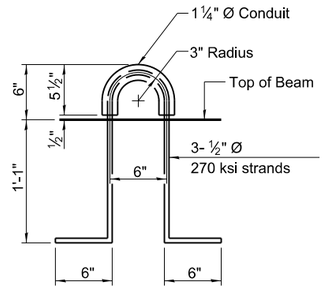


BAR U1(E)



PLAN VIEW

Note: Connect beams in pairs with the transverse tie configuration shown.



LIFTING LOOP DETAIL

NOTES

Prestressing steel shall be uncoated high strength, low relaxation 7-wire strand, Grade 270. The nominal diameter shall be ½" and the nominal cross-sectional area shall be 0.153 sq. in.

The 1" Ø rods in the transverse tie assembly shall be tightened to a snug fit and the threads set. Pockets on exterior faces of bridge shall be filled with grout after transverse tie assembly is in place.

Two ⅛" fabric adjusting shims of the dimensions of the exterior bearing pad shall be provided for each bearing pad location.

A minimum 2 ½" Ø lifting pin shall be used to engage the lifting loops during handling.

Corrosion Inhibitor, per Article 1020.05(b)(10) and 1021.07 of the Standard Specifications, shall be used in the concrete for precast prestressed concrete deck beams.

Compressive strength of prestressed concrete, f'c, shall be 6000 psi.

Compressive strength of prestressed concrete at release, f'ci, shall be 5000 psi.

BILL OF MATERIAL

Precast Prestressed Conc. Deck Bms. (17" depth)	Sq. Ft.	257

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	CHECKED - MM	REVISED	
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PLOT DATE = 8/28/2018	CHECKED - MM	REVISED	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

17"x36" PPC DECK BEAM DETAILS
BARKER AVENUE OVER SALT CREEK
STRUCTURE No. 016-6055
SHEET NO. S6 OF S20 SHEETS

MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2315	14-00112-00-BR	COOK	46	20
		CONTRACT NO. 61E44		
	ILLINOIS FED. AID PROJECT			

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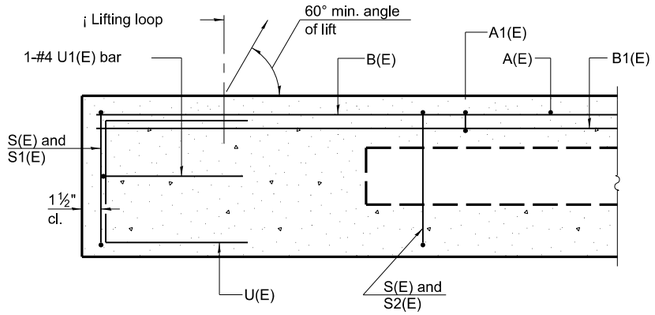
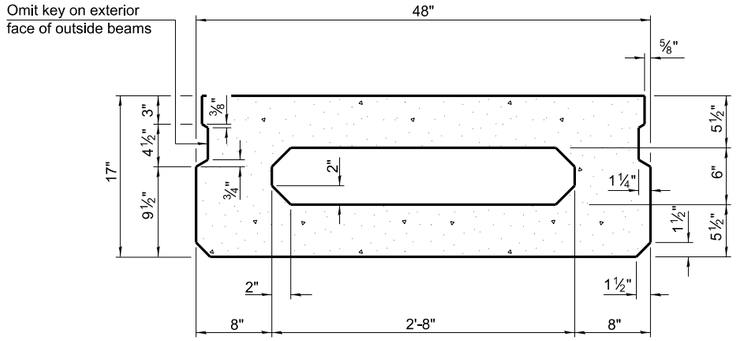
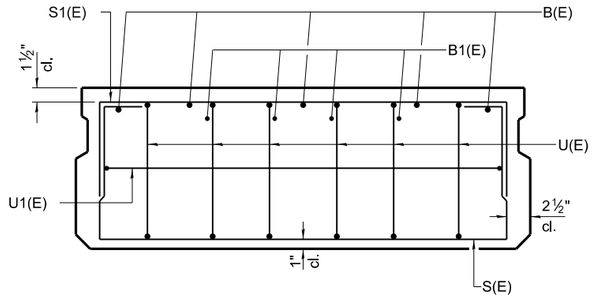


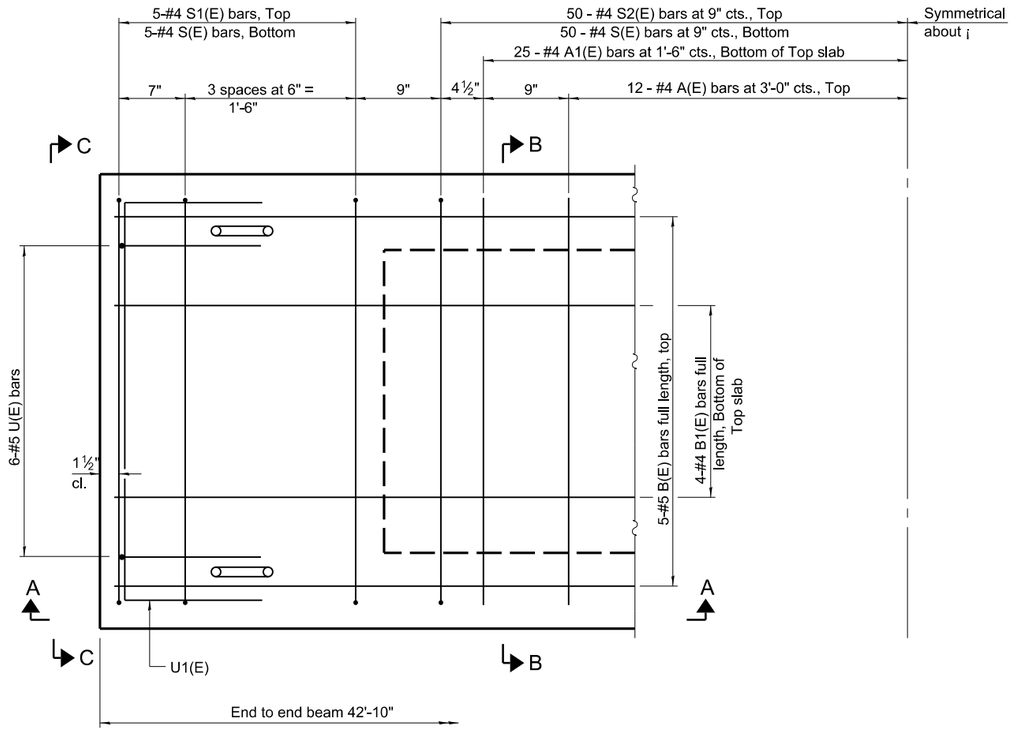
SECTION A-A



SECTION B-B
(Showing dimensions)

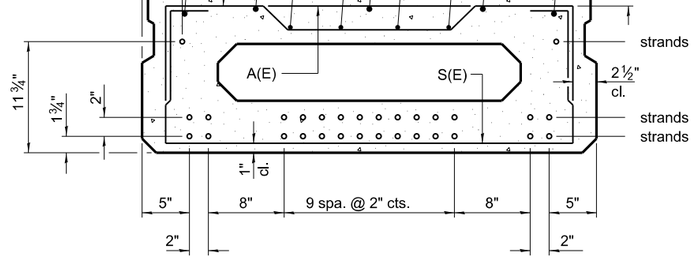


VIEW C-C



PLAN VIEW

Note: Spacing of S(E) and S2(E) bars may be adjusted up to 4" in the immediate area of the transverse tie diaphragms to miss the block outs for the transverse ties.



SECTION B-B
(Showing reinforcement and permissible strand locations)

Note: Place the number of strands specified in each row symmetrically about the centerline of beam in the permissible strand locations shown.

10 Strands @ 1¾"
12 Strands @ 3¾"
2 Strands @ 11¾"

MINIMUM BAR LAP

#4 bar = 1'-11"
#5 bar = 2'-6"

BAR LIST
ONE BEAM ONLY

(For information only)

Bar	No.	Size	Length	Shape
A(E)	12	#4	3'-7"	—
A1(E)	25	#4	3'-10"	~
B(E)	5	#5	42'-4"	—
B1(E)	4	#4	42'-4"	—
S(E)	60	#4	6'-9"	⌴
S1(E)	10	#4	5'-3"	⌐¬
S2(E)	50	#4	5'-6"	⌐¬
U(E)	12	#5	3'-8"	⊏
U1(E)	2	#4	6'-0"	⌐¬

Note:
See sheet S8 of S20 for additional details and Bill of Material.

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PLOT DATE = 8/28/2018	CHECKED - MM	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

17"x48" PPC DECK BEAM
BARKER AVENUE OVER SALT CREEK
STRUCTURE No. 016-6055
SHEET NO. S7 OF S20 SHEETS

MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2315	14-00112-00-BR	COOK	46	21
		CONTRACT NO. 61E44		
	ILLINOIS FED. AID PROJECT			

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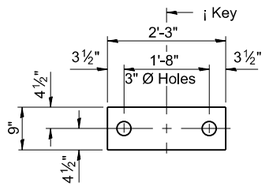
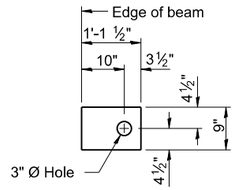


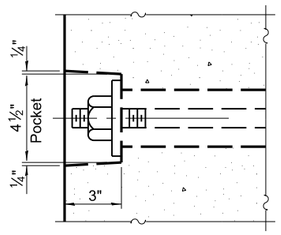
FABRIC BEARING PAD
(Interior)



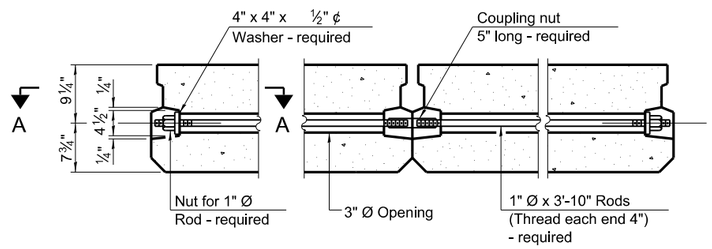
FABRIC BEARING PAD
(Exterior)

FIXED

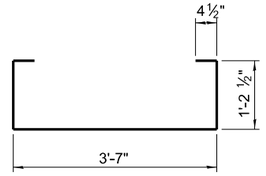
Notes:
All bearing pads shall be 1" thick.
Omit holes when using expansion bearings.
Expansion bearing pad shall be bonded to the substructure.



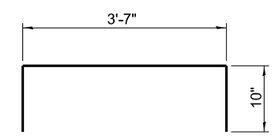
SECTION A-A



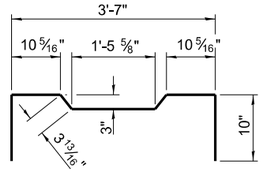
TYPICAL TRANSVERSE TIE ASSEMBLY



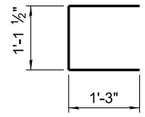
BAR S(E)



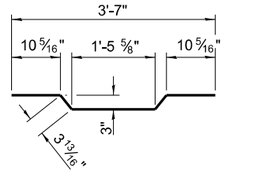
BAR S1(E)



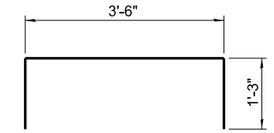
BAR S2(E)



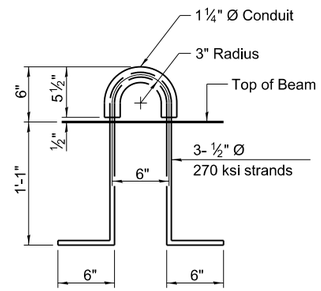
BAR U(E)



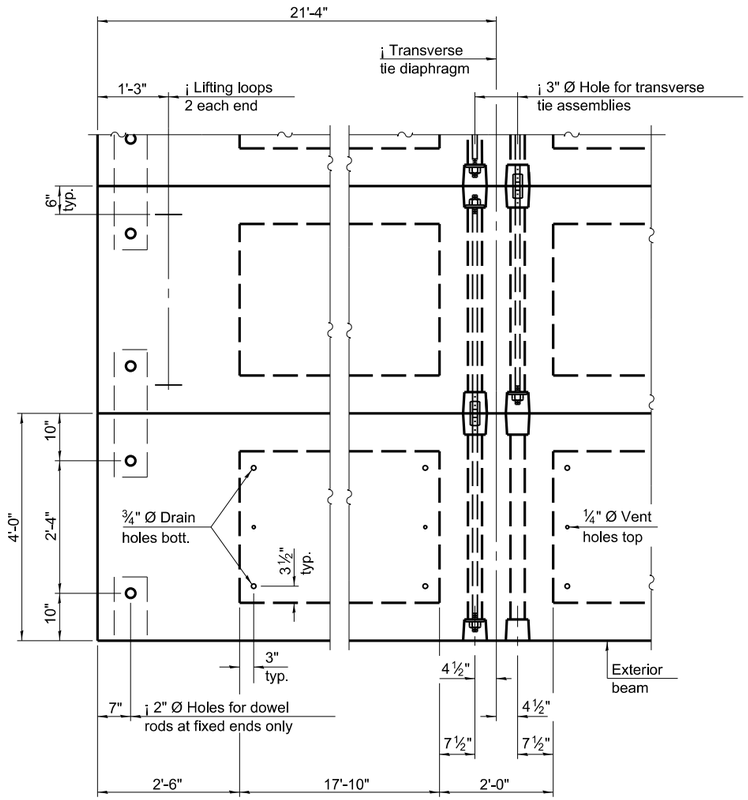
BAR A1(E)



BAR U1(E)



LIFTING LOOP DETAIL



PLAN VIEW

Note: Connect beams in pairs with the transverse tie configuration shown.

NOTES

Prestressing steel shall be uncoated high strength, low relaxation 7-wire strand, Grade 270. The nominal diameter shall be ½" and the nominal cross-sectional area shall be 0.153 sq. in.

The 1" Ø rods in the transverse tie assembly shall be tightened to a snug fit and the threads set. Pockets on exterior faces of bridge shall be filled with grout after transverse tie assembly is in place.

Two ⅛" fabric adjusting shims of the dimensions of the exterior bearing pad shall be provided for each bearing pad location.

A minimum 2 ½" Ø lifting pin shall be used to engage the lifting loops during handling.

Corrosion Inhibitor, per Article 1020.05(b)(10) and 1021.07 of the Standard Specifications, shall be used in the concrete for precast prestressed concrete deck beams.

Compressive strength of prestressed concrete, f'c, shall be 6000 psi.

Compressive strength of prestressed concrete at release, f'ci, shall be 5000 psi.

BILL OF MATERIAL

Precast Prestressed Conc. Deck Bms. (17" depth)	Sq. Ft.	1,713

PD-1748-0D 2-17-2017

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

17"x48" PPC DECK BEAM DETAILS
BARKER AVENUE OVER SALT CREEK
STRUCTURE No. 016-6055
SHEET NO. 58 OF 520 SHEETS

MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2315	14-00112-00-BR	COOK	46	22
		CONTRACT NO. 61E44		
		ILLINOIS FED. AID PROJECT		

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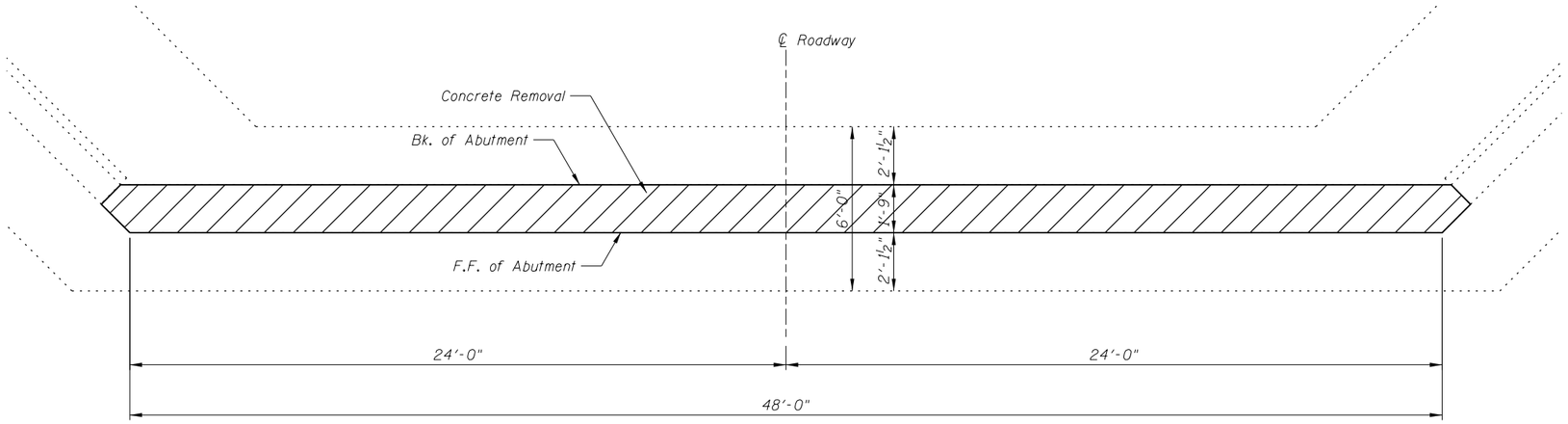
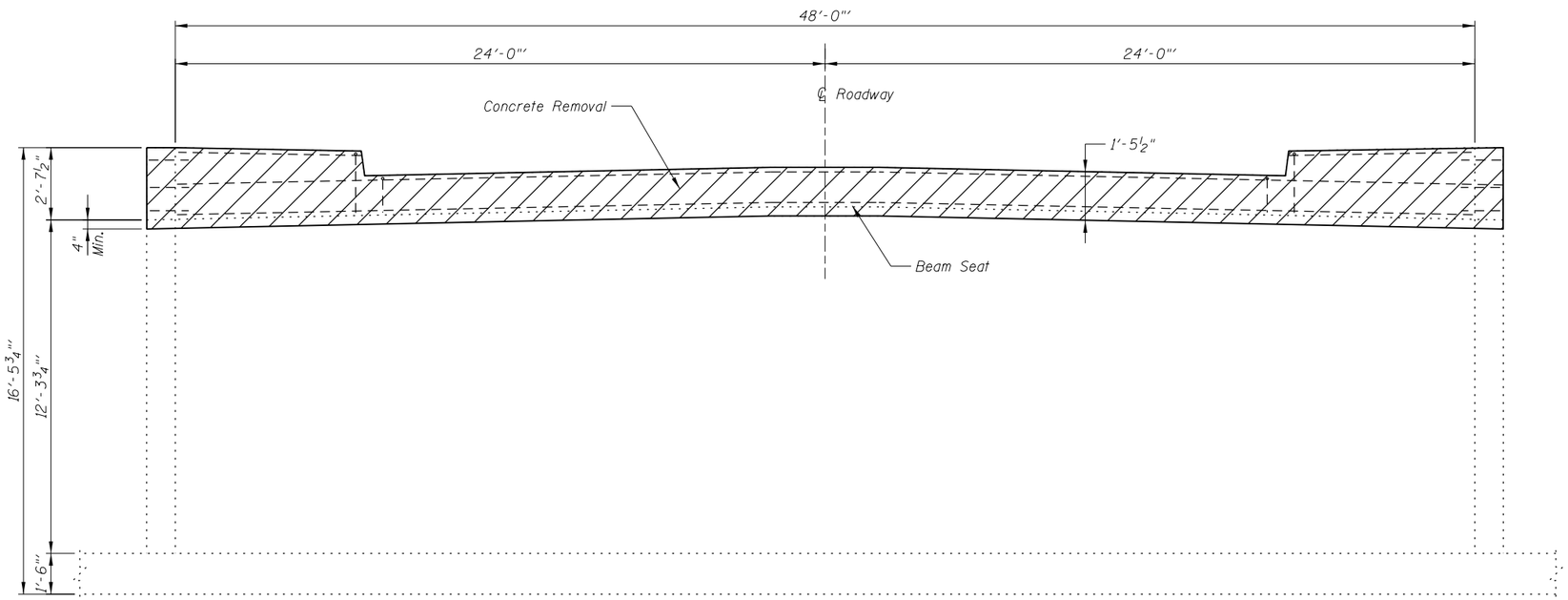


PLAN



ELEVATION

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ABUTMENT CONCRETE REMOVAL

SHEET NO. 9 OF 20 SHEETS

MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2315	14-00112-00-BR	COOK	46	23
		CONTRACT NO. 61E44		
	ILLINOIS FED. AID PROJECT			

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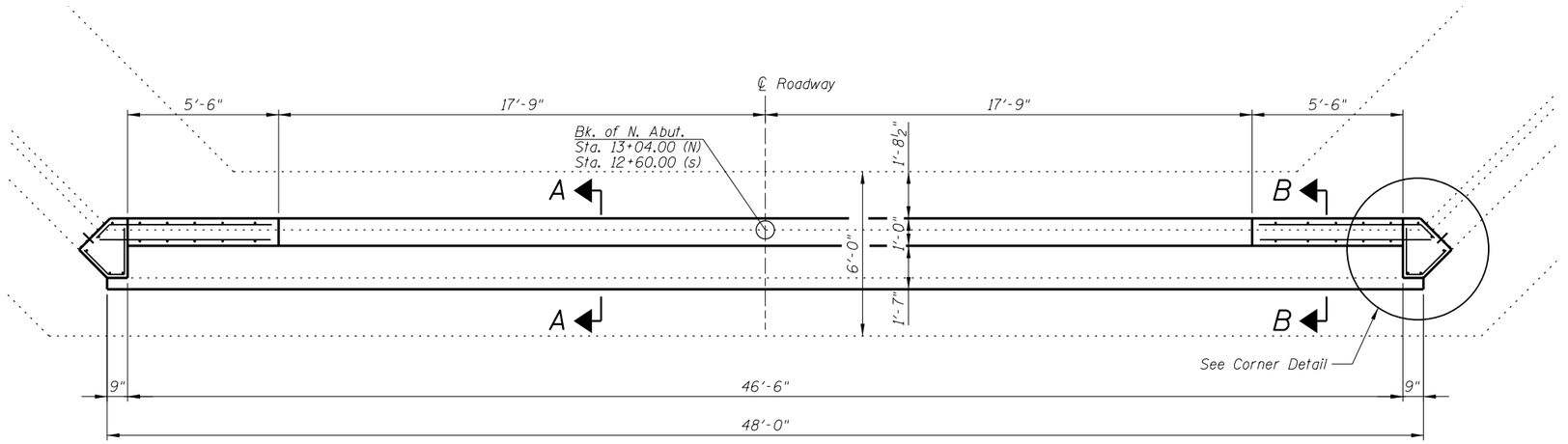
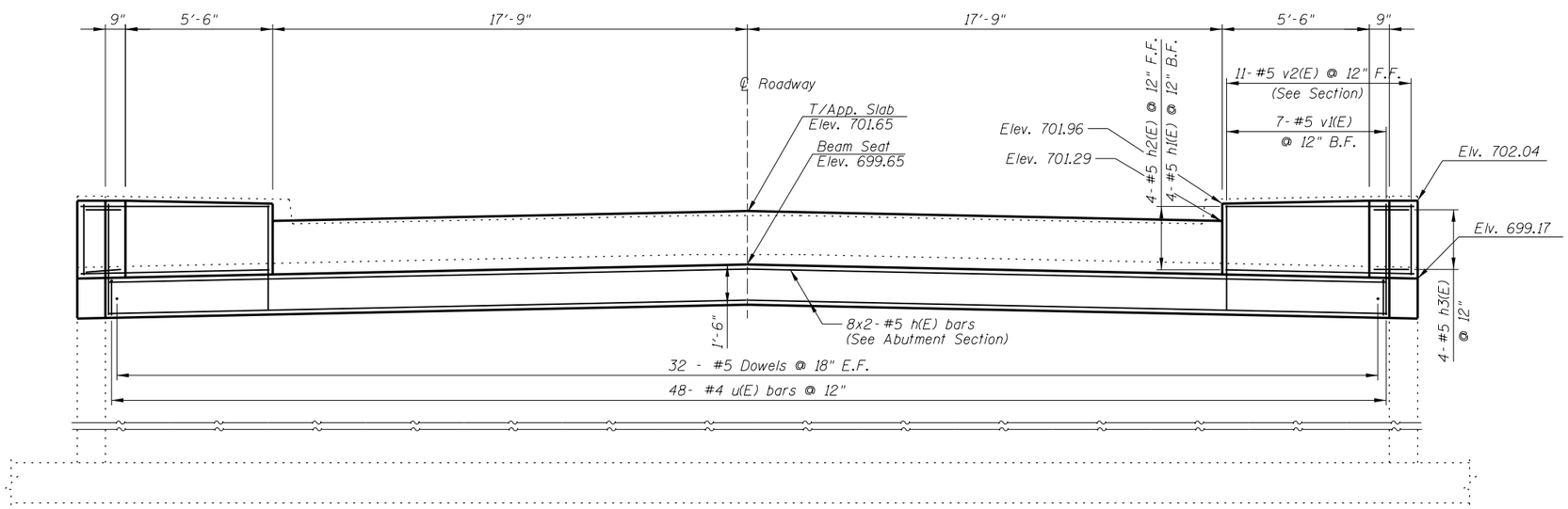
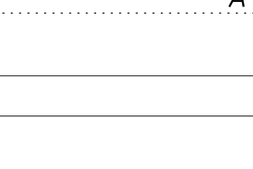


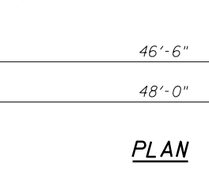
PLAN



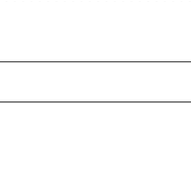
ELEVATION



BAR $h_1E)$ & $h_2(E)$



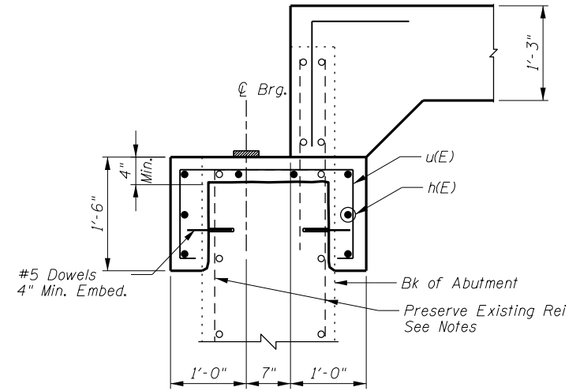
BAR $h_3E)$



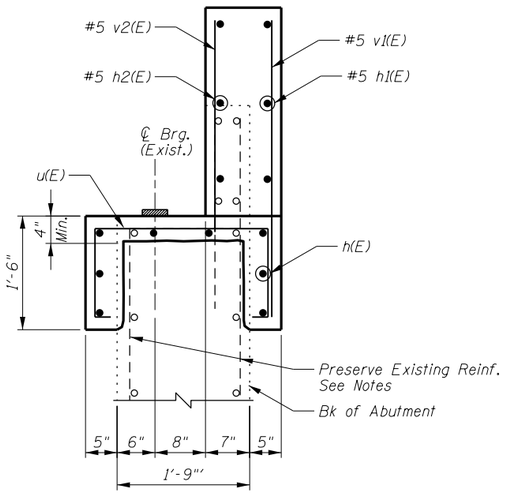
BARS u(E)

BILL OF MATERIAL
(FOR TWO ABUTMENT)

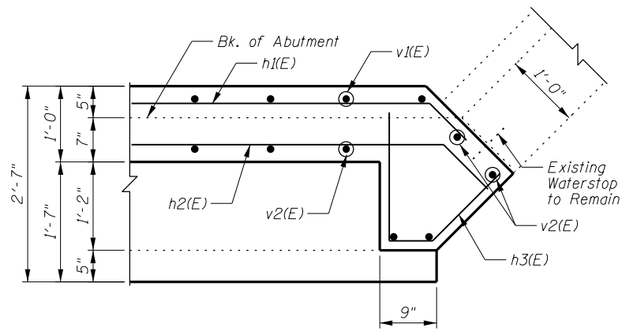
Bar	No.	Size	Length	Shape
h(E)	32	#5	26'-0"	
h1(E)	16	#5	6'-7"	
h2(E)	16	#5	7'-3"	
h3(E)	16	#5	3'-5"	
u(E)	96	#4	4'-7"	
v1(E)	28	#5	3'-10"	
v2(E)	44	#5	2'-6"	
Structure Excavation			Cu. Yd.	82.8
Concrete Structures			Cu. Yd.	13.8
Reinforcement Bars, Epoxy Coated			Pound	1,680



SECTION A-A
(AT ROADWAY)



SECTION B-B
(AT SIDEWALK)



CORNER DETAIL

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED ABUTMENT PLAN, ELEVATION AND SECTIONS

SHEET NO. S10 OF S20 SHEETS

MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2315	14-00112-00-BR	COOK	46	24
		CONTRACT NO. 61E44		
	ILLINOIS FED. AID PROJECT			

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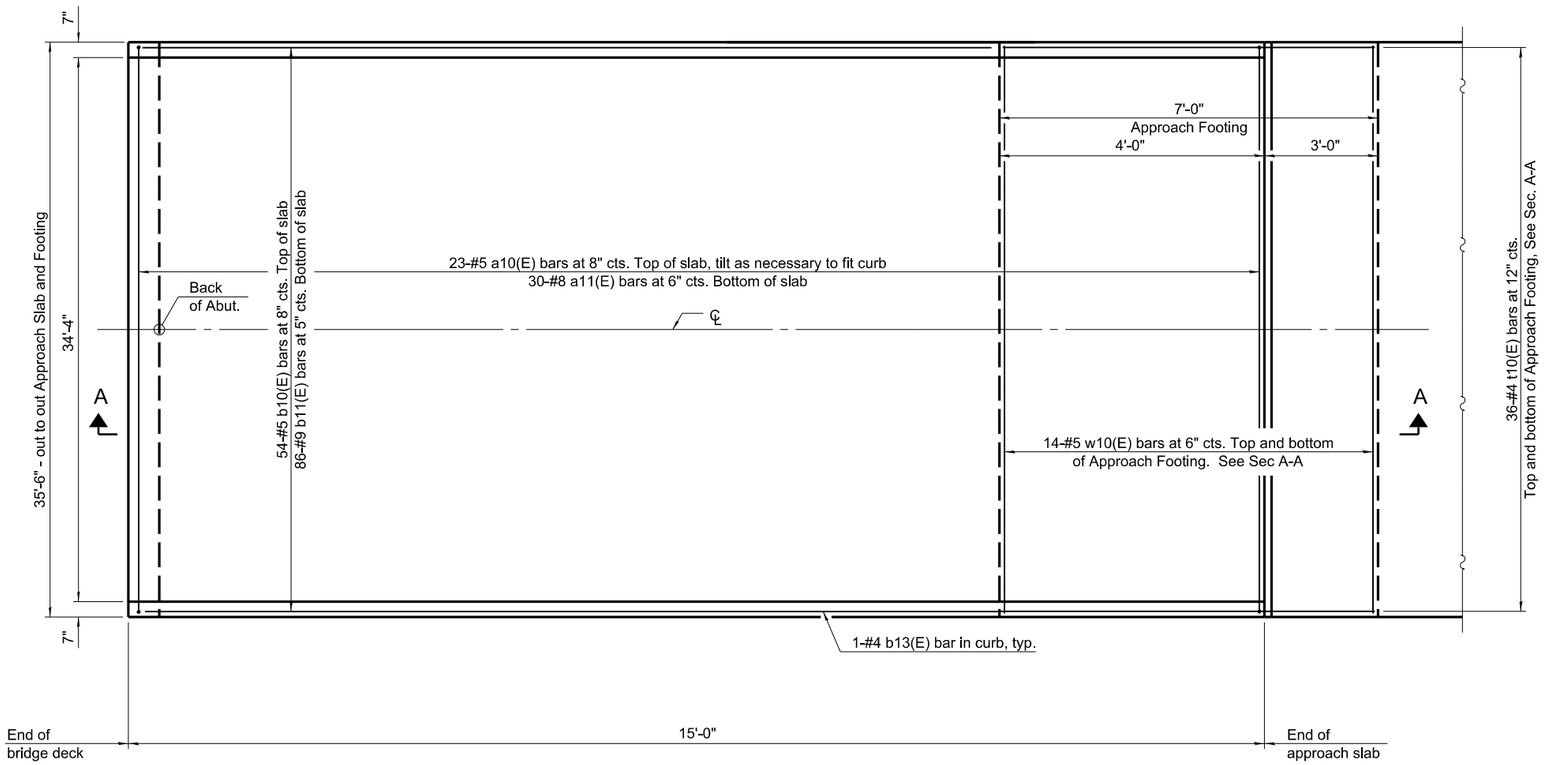
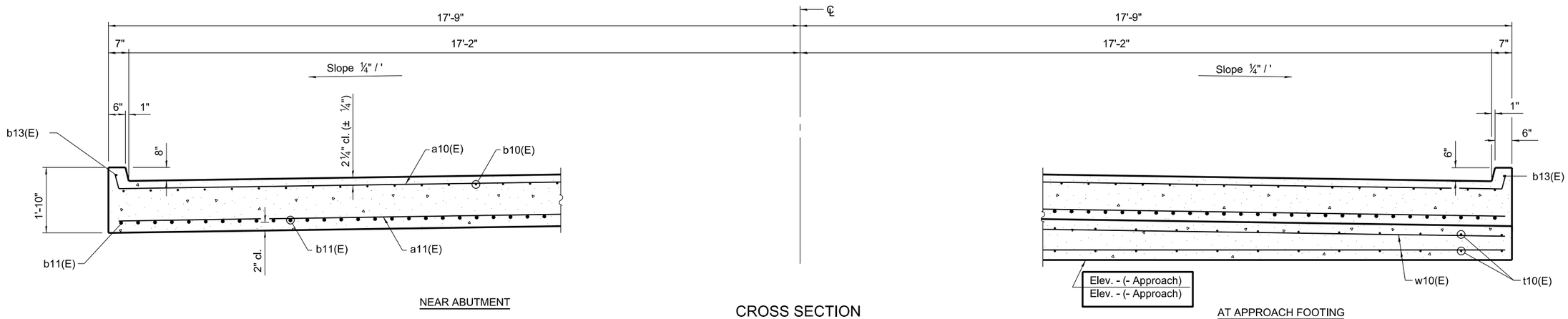


NORTH APPROACH SLAB PLAN

(MIRROR FOR SOUTH APPROACH)



NEAR ABUTMENT

CROSS SECTION

(Looking North)

AT APPROACH FOOTING

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRIDGE APPROACH SLAB
BARKER AVENUE OVER SALT CREEK
STRUCTURE No. 016-6055

SHEET NO. S11 OF S20 SHEETS

MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2315	14-00112-00-BR	COOK	46	25
		CONTRACT NO. 61E44		
	ILLINOIS FED. AID PROJECT			

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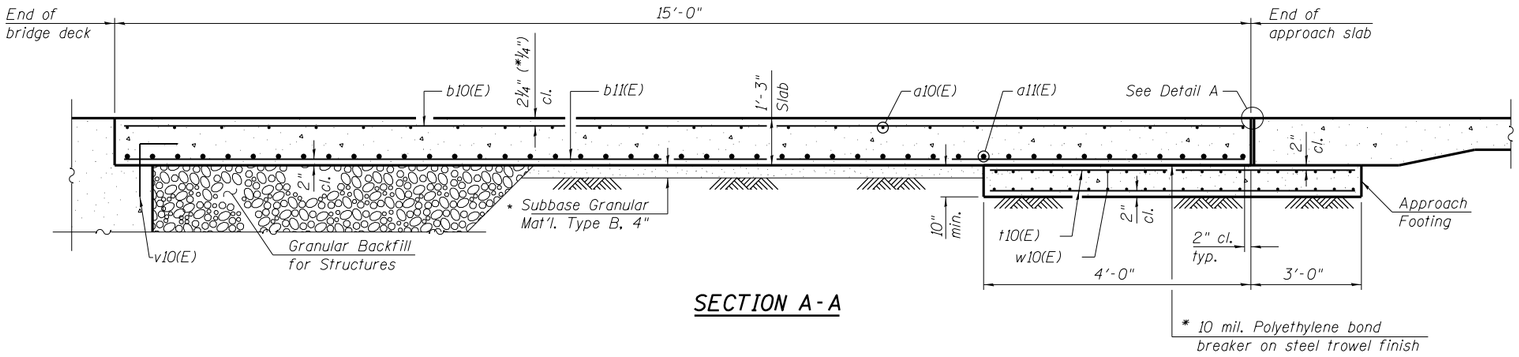
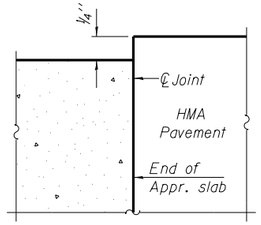


SECTION A-A



FLEXIBLE PAVEMENT

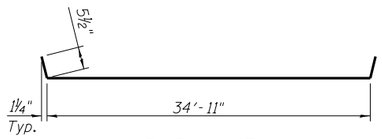
DETAIL A

* Cost included with Concrete Superstructure (Approach Slab).

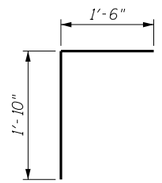
** Per manufacturer recommendations

Notes:

Approach slab shall be paid for as Concrete Superstructure (Approach Slab).
Approach footing concrete shall be paid for as Concrete Structures.
The approach footing maximum applied service bearing pressure (Qmax) = 2.0 ksf.
Cost of excavation for approach footing included with Concrete Structures.
For Granular Backfill for Structures and drainage treatment details, see sheet S2 of S20.



BAR a10(E)



BAR v10(E)

TWO APPROACHES BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a10(E)	46	#5	35'-10"	⌣
a11(E)	60	#8	35'-2"	—
b10(E)	108	#5	14'-8"	—
b11(E)	172	#9	14'-8"	—
b13(E)	4	#4	14'-8"	—
t10(E)	144	#4	6'-8"	—
v10(E)	70	#5	3'-4"	⌐
w10(E)	56	#5	36'-2"	—
Concrete Superstructure (Approach Slab)		Cu. Yd.	50.3	
Concrete Structures		Cu. Yd.	15.3	
Reinforcement Bars, Epoxy Coated		Pound	20,730	

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRIDGE APPROACH SLAB DETAILS
BARKER AVENUE OVER SALT CREEK
STRUCTURE No. 016-6055
SHEET NO. S12 OF S20 SHEETS

MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2315	14-00112-00-BR	COOK	46	26
		CONTRACT NO. 61E44		
	ILLINOIS FED. AID PROJECT			

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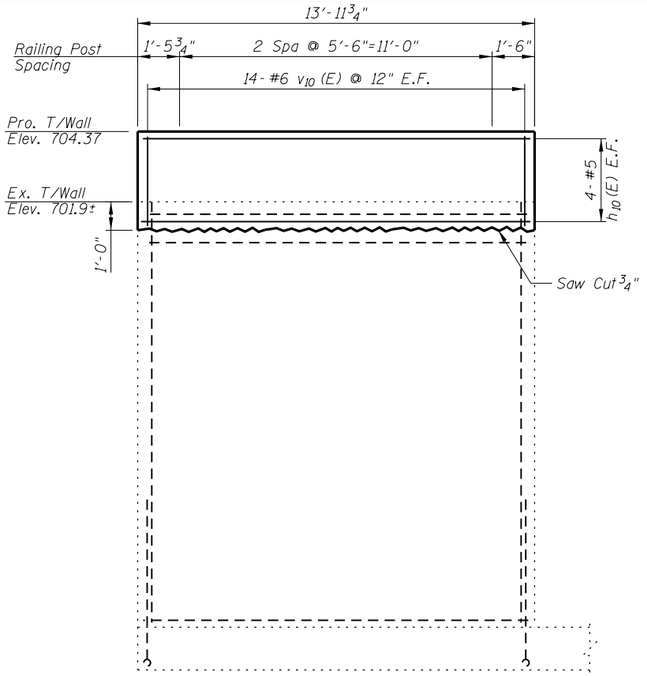
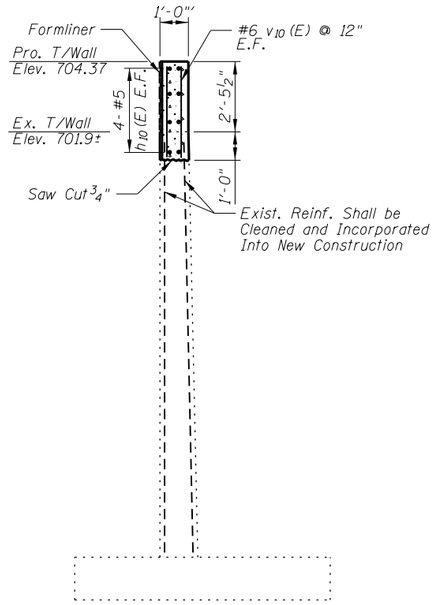


WINGWALL ELEVATION

(Railing on Top Not Shown for Clarity)



WINGWALL SECTION

BILL OF MATERIAL (EACH WINGWALL)

Bar	No.	Size	Length	Shape
h_{10} (E)	8	#5	13'-8"	——
v_{10} (E)	28	#6	4'-2"	——
Reinforcement Bars, Epoxy Coated		Pound	290	
Concrete Structures		Cu. Yd.	7.8	
Structure Excavation		Cu. Yd.	8.9	

Note:
See sheet S14 of S20 for railing details

CHRISTOPHER B. BURKE ENGINEERING, LTD.
9575 W. Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

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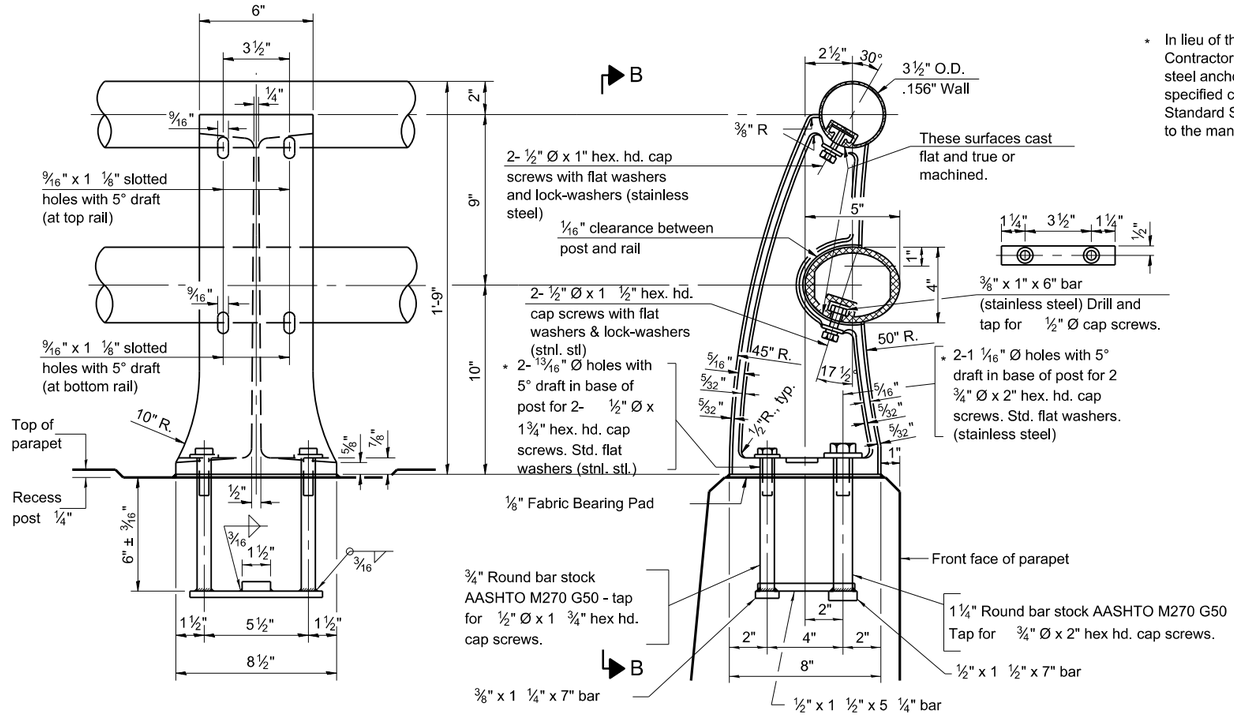
	CHECKED - MM	REVISED	
PLOT SCALE =	DRAWN - PDR	REVISED	
PLOT DATE = 8/28/2018	CHECKED - MM	REVISED	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WINGWALL DETAILS
STRUCTURE NO.
SHEET NO. S13 OF S20 SHEETS

MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2315	14-00112-00-BR	COOK	46	27
		CONTRACT NO. 61E44		
	ILLINOIS FED. AID PROJECT			

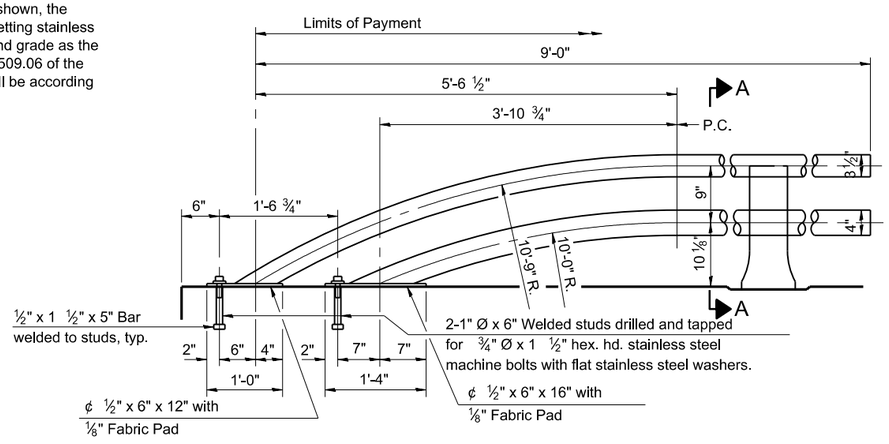
N:\ROLLINGMEADOWS\980361.BR's\BR100's\98361BR180\Struct\RAILING_98361BR180.sht

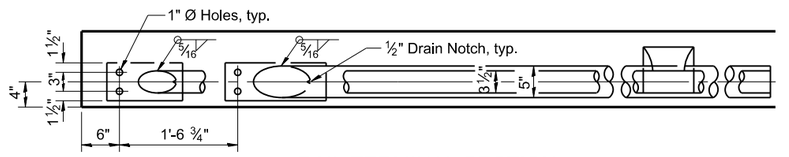


* In lieu of the cast-in-place anchor device shown, the Contractor has the option of drilling and setting stainless steel anchor rods of the same diameter and grade as the specified cap screws according to Article 509.06 of the Standard Specifications. Embedment shall be according to the manufacturer's specifications.

VIEW B-B

SECTION A-A

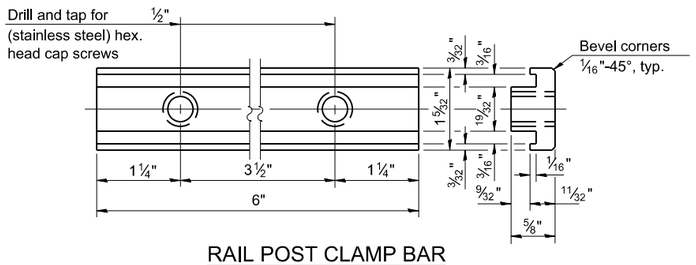




RAIL TERMINAL SECTION

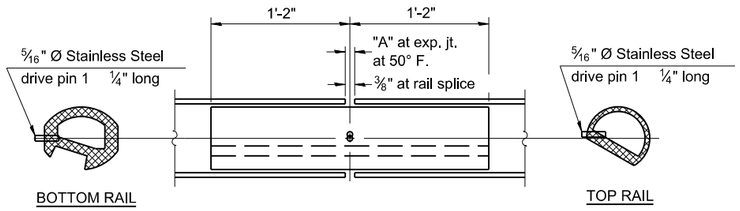
Note: The end rail post shall be set back as required for the terminal rail section.

RAIL POST DETAILS



RAIL POST CLAMP BAR

For Top Rail

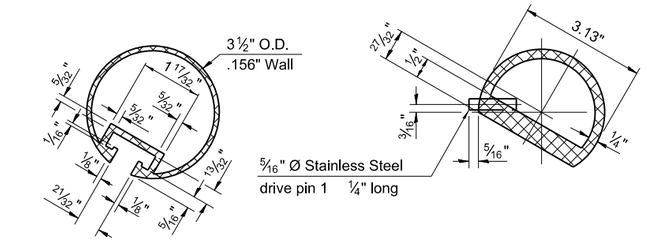


RAIL SPLICE

T	"A"
≤ 4"	2½"
> 4" ≤ 6 ½"	3¾"
> 6 ½" ≤ 9"	5"
> 9" ≤ 13"	7"

T = Total movement at expansion joint as shown on the design plans.

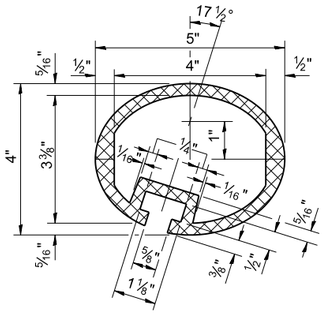
(7'-0" to 10'-0" Post spacing)



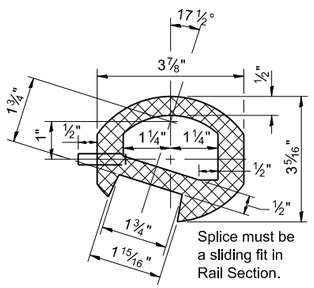
SECTION THRU TOP RAIL

SECTION THRU SPLICE

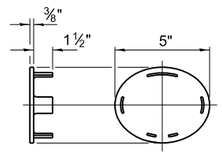
For Top Rail



SEC. THRU ELLIPTICAL RAIL SECTION

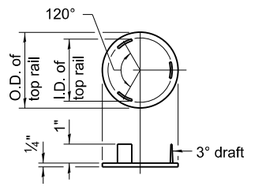


SEC. THRU SPLICE



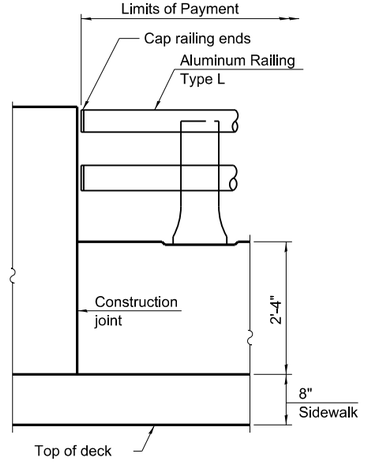
CAST END CAP

For bottom rail
DRIVE FIT TYPE



CAST END CAP

For top rail



RAIL END TREATMENT FOR TYPE 5 AND 6 TERMINAL

Notes:
All Posts shall be normal to parapet.
All joints in rail shall be spliced per detail.
All exposed rail ends shall be capped per detail.
Provide 1- ⅛" and 2- 1/16" Aluminum Shims for 25% of the Posts. Rail elements shall be parallel to Grade-high spots will be ground and low spots shimmed.
See sheet of for rail post spacing.

BILL OF MATERIAL

Item	Unit	Quantity
Aluminum Railing, Type L	Foot	74

-

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	PLOT DATE = 8/28/2018	CHECKED - MM	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ALUMINUM RAILING, TYPE L
STRUCTURE NO.
SHEET NO. S14 OF S20 SHEETS

MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2315	14-00112-00-BR	COOK	46	28
		CONTRACT NO. 61E44		
		ILLINOIS FED. AID PROJECT		

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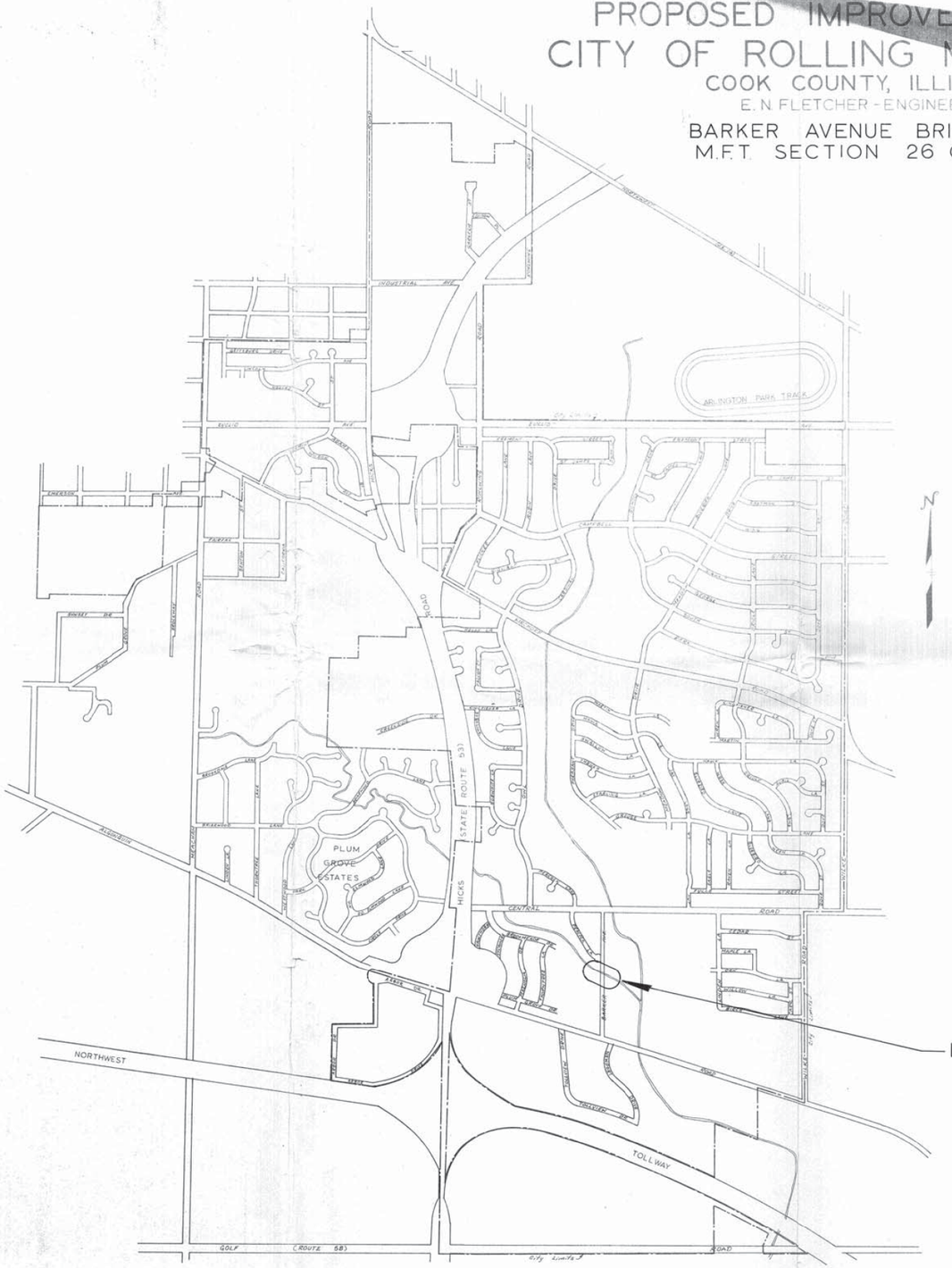
PROPOSED IMPROVEMENT
CITY OF ROLLING MEADOWS
COOK COUNTY, ILLINOIS

E. N. FLETCHER - ENGINEER

BARKER AVENUE BRIDGE
M.F.T. SECTION 26 C.S.

SHEET 1 OF 2 SHEETS



INDEX

FLETCHER ENGINEERING CO.
450 LEE ST. DES PLAINES, ILL.

DRAWN D.F.	SCALE	REVISIONS	DATE
CHECKED			
APPROVED E.N.F.			
DATE 10-8-1969			

TITLE SITE PLAN — NO. 69-107

CHRISTOPHER B. BURKE ENGINEERING, LTD.
9575 W. Higgins Road, Suite 600
Rosemont, Illinois 60018
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING STRUCTURAL PLANS (FOR INFORMATION ONLY)
STRUCTURE NUMBER 016-6055

SHEET NO. S15 OF S20 SHEETS

MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2315	14-00112-00-BR	COOK	45	29
		CONTRACT NO. 61E44		
	ILLINOIS FED. AID PROJECT			

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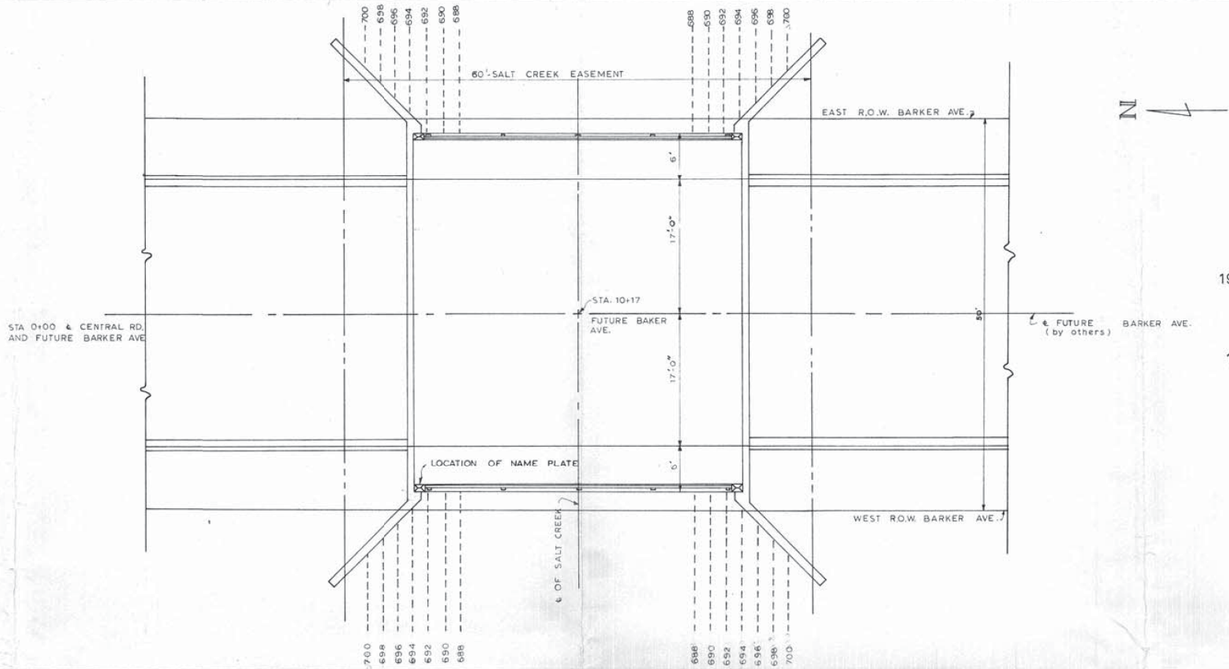
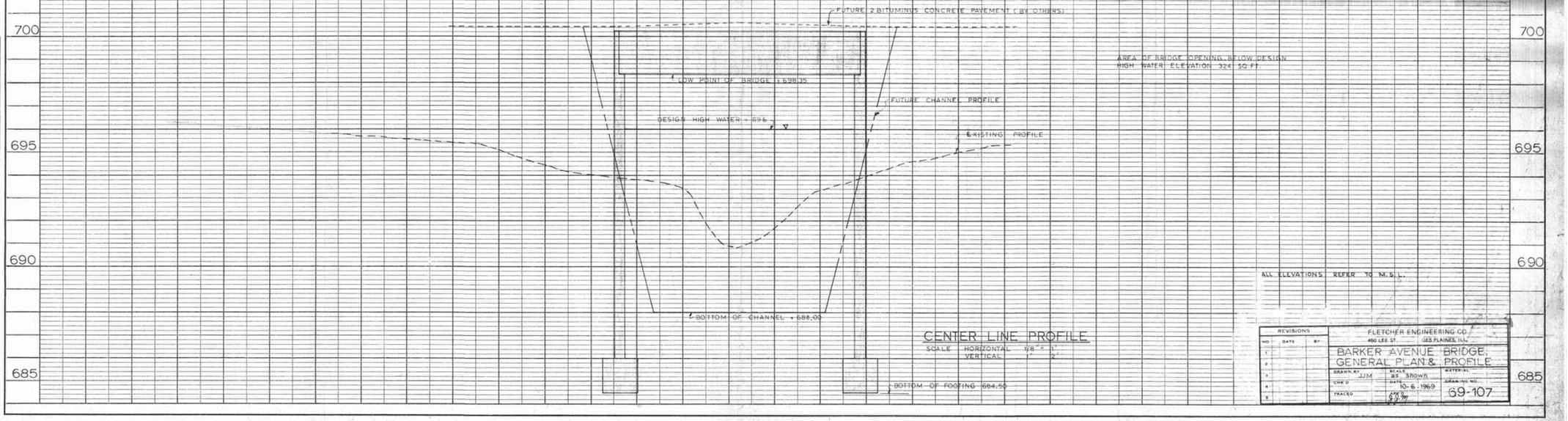


QUANTITIES

900	CU.YDS.	CLASS 'A' EXCAVATION
310	CU.YDS.	CHANNEL EXCAVATION
19,700	LBS.	REINFORCEMENT BARS
140	CU.YDS.	POROUS GRANULAR BACKFILL
78	LN. FT.	ALUMINUM RAILING
220	CU.YDS.	CLASS 'X' CONCRETE
1963	SQ.FT.	PRECAST PRESTRESSED CONCRETE DECK BEAMS

GENERAL PLAN



CENTER LINE PROFILE

SCALE HORIZONTAL 1/8" = 1'
VERTICAL 1" = 2'

ALL ELEVATIONS REFER TO M.S.L.

REVISIONS			FLETCHER ENGINEERING CO. 450 LEE ST. DES PLAINES, ILL.
NO.	DATE	BY	BARKER AVENUE BRIDGE, GENERAL PLAN & PROFILE
1			DRAWN BY JJM SCALE as shown WATER EL.
2			CHK'D DATE 10-6-1969 DRAWING NO. 69-107
3			TRACED
4			
5			

PLATE 1—PLAN—PROFILE
MADE AND PRINTED IN U.S.A.
CHARLES BRUNING COMPANY
BRUNING NO. 42-121

PLAN: SURVEYED, PLOTTED, NOTE BOOK, NO., ALIGNMENT CHECKED, ELEV. OF MAT'L CHECKED, DATE, BY

PROFILE: SURVEYED, PLOTTED, GRADES CHECKED, R.R. & UTILITIES, STRUCTURE NOTATIONS CHKD., DATE, BY

CHRISTOPHER B. BURKE ENGINEERING, LTD. 9575 W. Higgins Road, Suite 600 Rosemont, Illinois 60018 (847) 823-0500	USER NAME =	DESIGNED -	REVISED
		CHECKED -	REVISED
	PLOT SCALE =	DRAWN -	REVISED
	PLOT DATE =	CHECKED -	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING STRUCTURAL PLANS (FOR INFORMATION ONLY)
STRUCTURE NUMBER 016-6055
SHEET NO. S16 OF S20 SHEETS

MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2315	14-00112-00-BR	COOK	45	30
		CONTRACT NO. 61E44		
		ILLINOIS FED. AID PROJECT		

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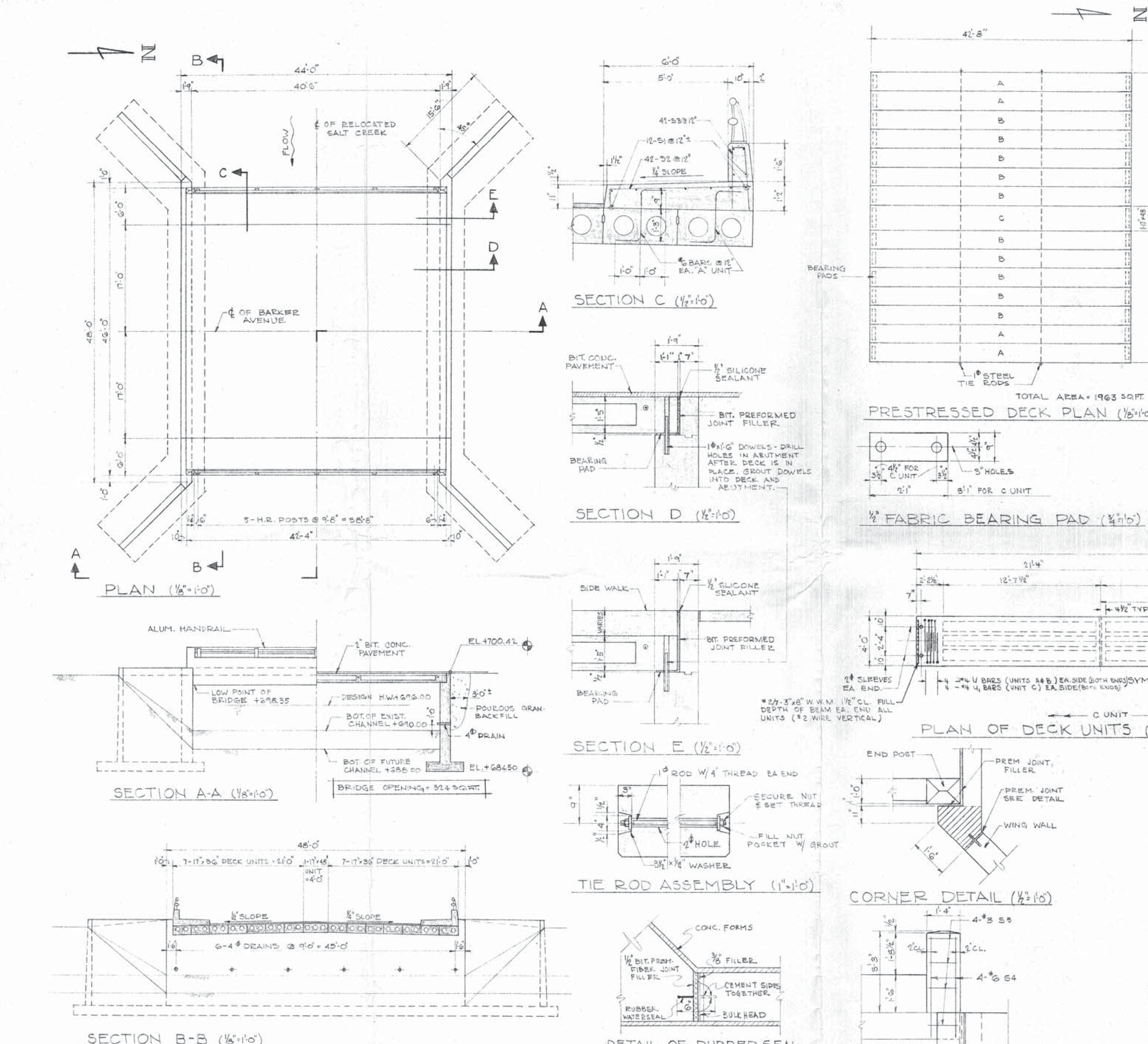
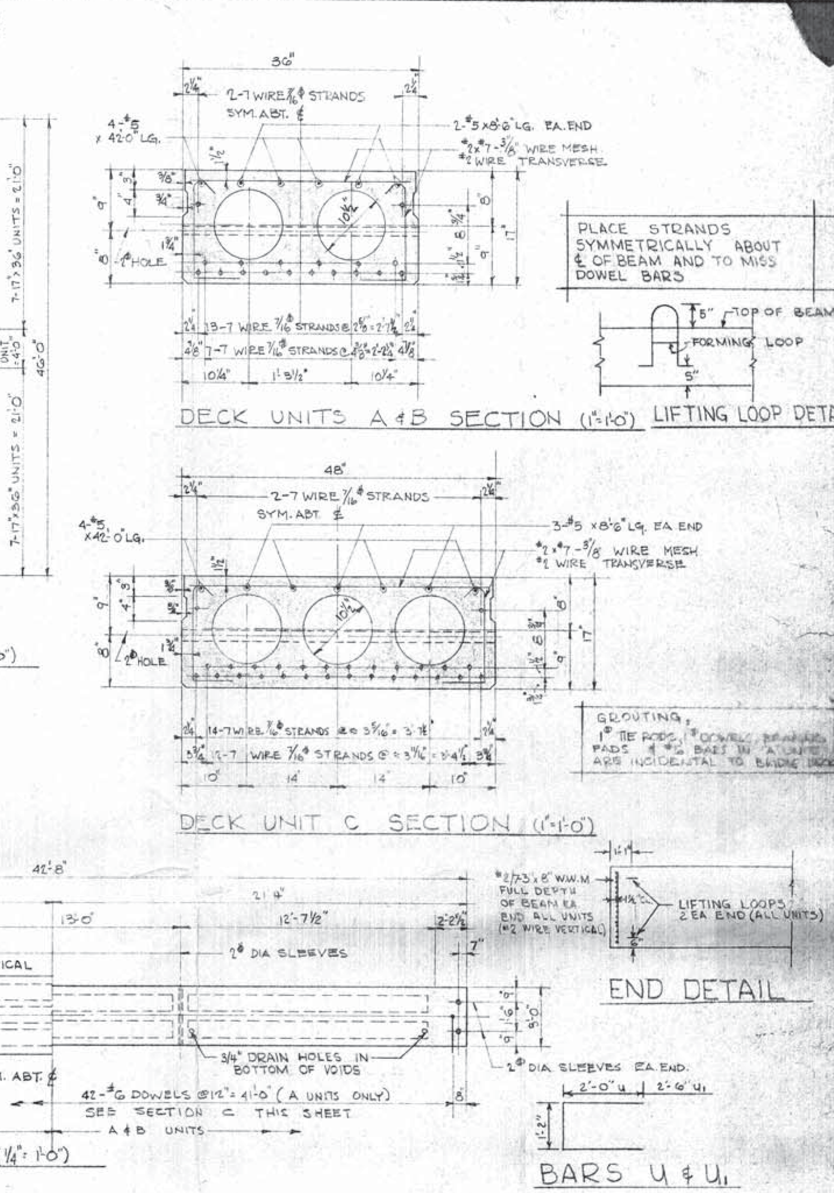




NOTES:

1) PRESTRESSING STEEL SHALL BE NON-GALVANIZED HIGH STRENGTH STRESS-RELEIVED 7 WIRE-STRAND. THE NOMINAL DIA. SHALL BE 7/16" AND THE NOMINAL CROSS-SECTIONAL AREA SHALL BE 0.109 SQ. IN.

2) LIFTING LOOPS SHALL BE MULTIPLES OF 7/16" OR 1/2" STRANDS

3) LONGITUDINAL SHEAR KEYS SHALL BE DRY PACKED WITH 1:1 SAND AND P.C. MORTAR

4) STEEL FOR DOWEL RODS, TRANSVERSE TIE ASSEMBLIES SHALL BE SAE 1020 STR. STEEL A.S.T.M. DESIGNATION A36, OR INTERMEDIATE GRADE A.S.T.M. DESIGNATION A15. TRANSVERSE TIE ASSEMBLIES SHALL BE HOT DIPPED IN ACCORDANCE WITH A.S.T.M. DESIGNATION A 153.

BAR DETAILS & BILL OF MATERIAL

MARK	NO.	SIZE	LENGTH	TYPE	A	B	C	D
S1	48	#5	21'-9"	ST.	—	—	—	—
S2	84	4	6'-3"	A	9"	5'-6"	—	—
S3	84	6	5'-6"	C	2'-6"	6"	2'-6"	2"
S4	16	6	4'-3"	ST	—	—	—	—
S5	16	3	4'-0"	B	8"	1'-0"	4"	—

TYPE A

TYPE B

TYPE C

QUANTITIES

CLASS X CONCRETE	25	C.Y.
REINFORCEMENT STEEL	2,270	LBS.
POUROUS GRAN. BACKFILL	275	TONS
PRECAST PRESTRESSED CONC. DECK BEAMS	1963	S.F.

DESIGN DATA

LIVE LOAD HS20 LOADING

DEAD LOADS 2" PAVEMENT 25 PSF; DECK UNITS 157 PSF; CONCRETE 150 PCF

DESIGN STRESSES

f'_c = 5000 PSI, f'_{ci} = 4000 PSI — PRESTRESSED CONCRETE

f'_s = 248 000 PSI, f_{si} = 173600 PSI — PRESTRESSING STEEL

f_c = 1000 PSI, v_c = 70 PSI, n = 10 — REINFORCED CONCRETE

f_s = 20000 PSI REINFORCING STEEL

BERNARD H. R. HEMMETER – STRUCTURAL ENGINEER
P.O. BOX 361 MT. PROSPECT ILL. 60056
312 – 255 3674

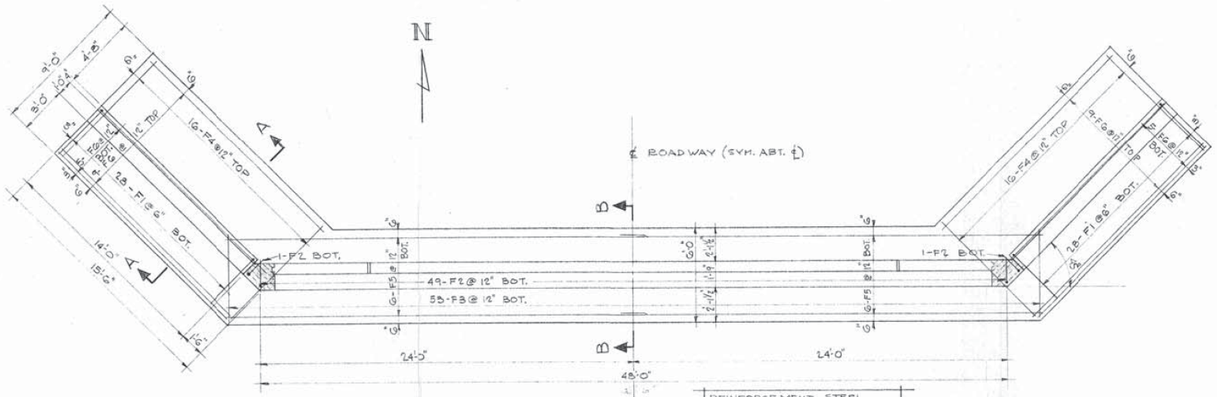
BARKER AVENUE BRIDGE

REVISIONS		
NO	DATE	BY
1		
2		
3		
4		
5		

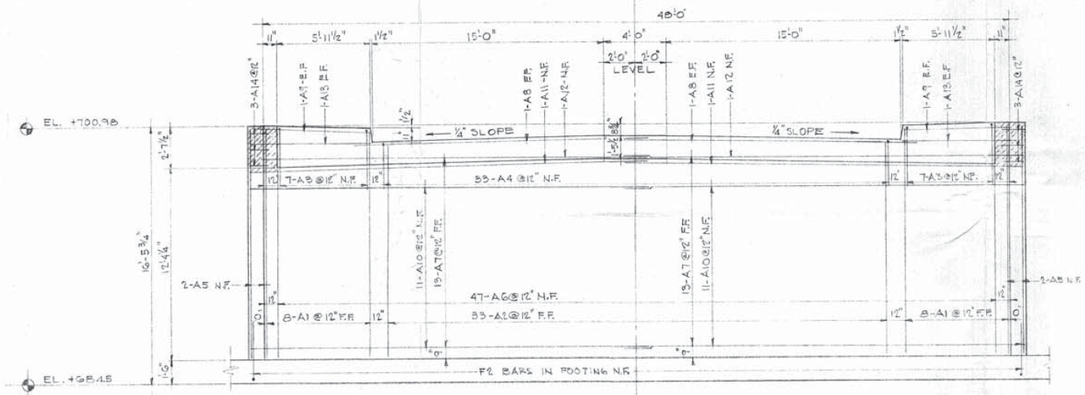
FLETCHER ENGINEERING CO.
450 LEE ST. DES PLAINES, ILL.

PLANS, DETAILS & SECTIONS

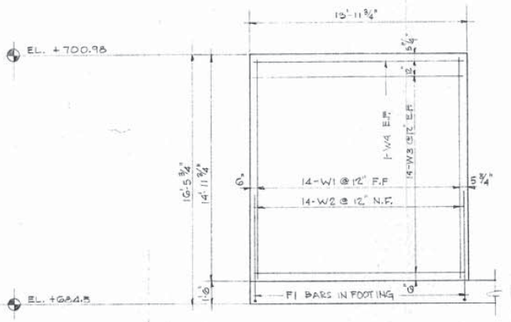
DRAWN BY BH | SCALE AS NOTED | MATERIAL
CHK'D BHRH | DATE 9-22-69 | DRAWING NO. 69-107
TRACED | APP'D g.g.m.



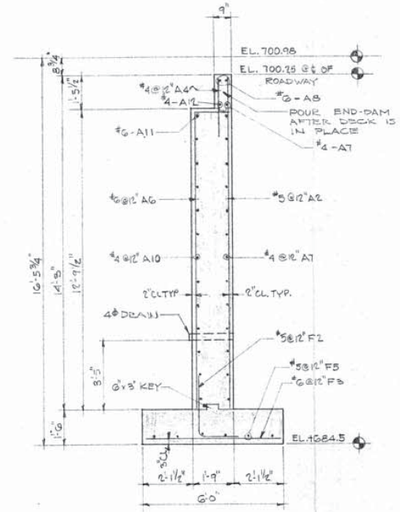
ABUTMENT PLAN (1/4"=1'-0")



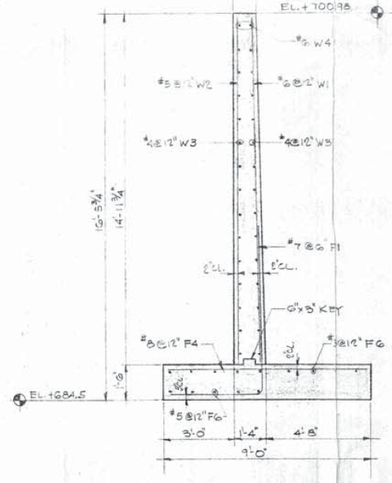
ABUTMENT ELEVATION (1/4"=1'-0")



WINGWALL ELEVATION (1/4"=1'-0")



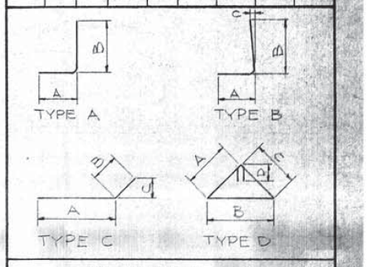
SECTION B-B (3/8"=1'-0")



SECTION A-A (3/8"=1'-0")

BILL OF MATERIALS & BAR DETAILS

MARK	NO.	SIZE	LENGTH	TYPE	A	B	C	D
F1	112	#7	10'-9"	B	3'-11"	6'-10"	2"	–
F2	102	5	4'-6"	A	1'-6"	3'-0"	–	–
F3	106	6	5'-6"	ST.	–	–	–	–
F4	64	8	8'-6"	ST.	–	–	–	–
F5	74	5	26'-9"	ST.	–	–	–	–
F6	56	5	15'-6"	ST.	–	–	–	–
A1	82	#5	14'-8"	ST.	–	–	–	–
A2	66	5	13'-9"	ST.	–	–	–	–
A3	98	6	4'-8"	ST.	–	–	–	–
A4	66	6	5'-0"	ST.	–	–	–	–
A5	8	6	14'-9"	ST.	–	–	–	–
A6	94	6	13'-6"	A	12'-9"	1'-4"	–	–
A7	52	4	25'-0"	ST.	–	–	–	–
A8	8	6	19'-0"	ST.	–	–	–	–
A9	8	6	7'-8"	ST.	–	–	–	–
A10	44	4	26'-0"	C	25'-0"	1'-0"	6 1/8"	–
A11	4	6	26'-0"	C	25'-0"	1'-0"	6 1/8"	–
A12	4	6	26'-0"	ST.	–	–	–	–
A13	8	4	8'-0"	ST.	–	–	–	–
A14	12	5	4'-0"	D	1'-0"	1'-5"	1'-0"	3 1/8"
W1	56	#6	14'-9"	–	–	–	–	–
W2	56	5	14'-1"	–	–	–	–	–
W3	112	4	13'-6"	–	–	–	–	–
W4	8	6	13'-6"	–	–	–	–	–



QUANTITIES

	FOOTING	ABUTMENT	WINGWALL	TOTAL
CONCRETE	65 CY	90 CY	40 CY	195 CY
REINFORCEMENT STEEL	7250#	6750#	3500#	17500#

NOTES

1) SOIL BEARING TO BE APPROVED BY ENGINEER AND FOOTINGS REVISED IF REQUIRED.
2) CHAMFER ALL EXPOSED CORNERS 3/4".
3) DRAIN OUTLET ENDS TO EXTEND 3" DRAIN INLET ENDS TO BE FLUSH W/ SURFACE.
4) BRIDGE DECK SHALL BE IN PLACE BEFORE ANY BACKFILL IS PLACED. FORMED OPENINGS MAY BE USED.
5) VERIFY ALL ELEVATIONS.
6) CROSS-HATCHED AREAS ON ABUTMENTS TO BE POURED AFTER BEAMS ARE IN PLACE.

BARKER AVENUE BR...

REVISIONS		
NO	DATE	BY
1		
2		
3		
4		
5		

FLETCHER ENGI... 430 LEE ST.

ABUTME...

DRAWN BY EH
CHK'D BY CB
TRACED

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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING STRUCTURAL PLANS (FOR INFORMATION ONLY)
STRUCTURE NUMBER 016-6055

SHEET NO. S18 OF S20 SHEETS

MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2315	14-00112-00-BR	COOK	45	32
		CONTRACT NO. 61E44		
		ILLINOIS	FED. AID PROJECT	

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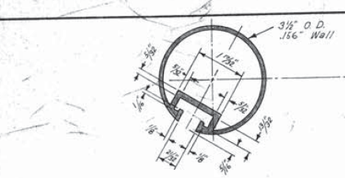
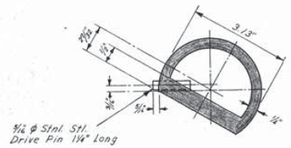
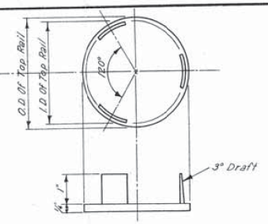


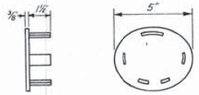
SECTION THRU TOP RAIL



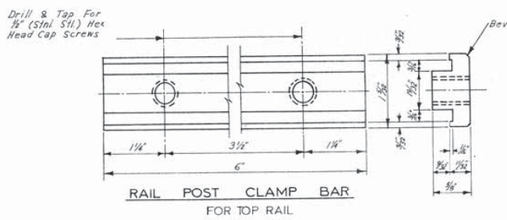
SECTION THRU SPLICE
TOP RAIL



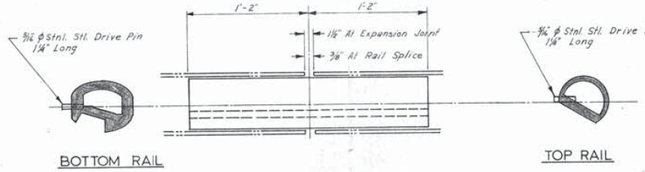
CAST END CAP
FOR TOP RAIL
___ REQUIRED



CAST END CAP
FOR BOTTOM RAIL
DRIVE FIT TYPE
___ REQUIRED



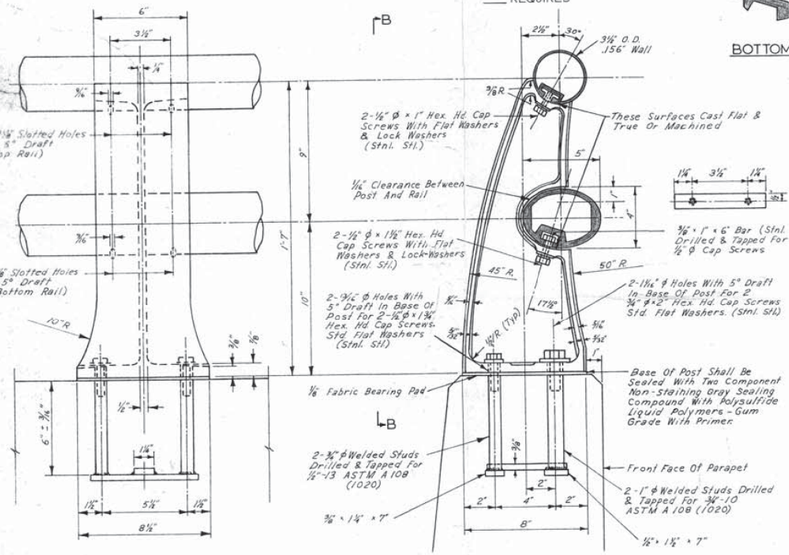
RAIL POST CLAMP BAR
FOR TOP RAIL



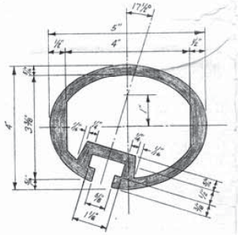
BOTTOM RAIL

RAIL SPLICE

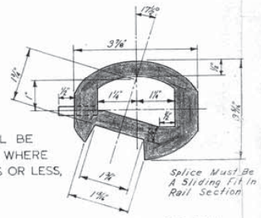
TOP RAIL



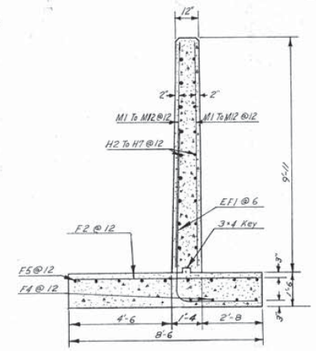
RAIL POST DETAILS



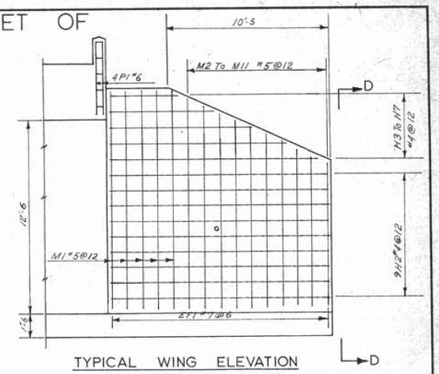
SEC. THRU ELLIPTICAL RAIL SECTION



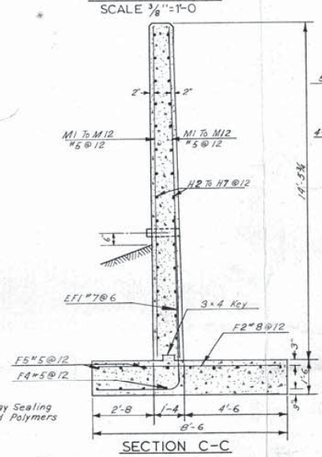
SEC. THRU SPLICE



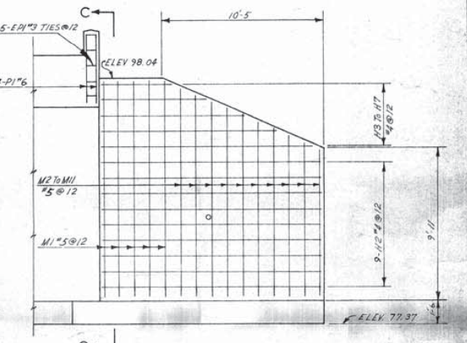
ELEVATION D-D
SCALE ⅜"=1'-0



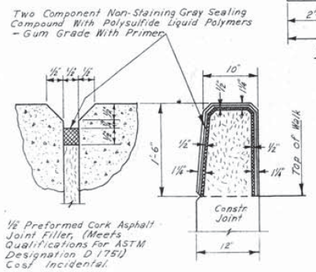
TYPICAL WING ELEVATION
REAR FACE REINFORCING
SCALE 1/4"=1'-0



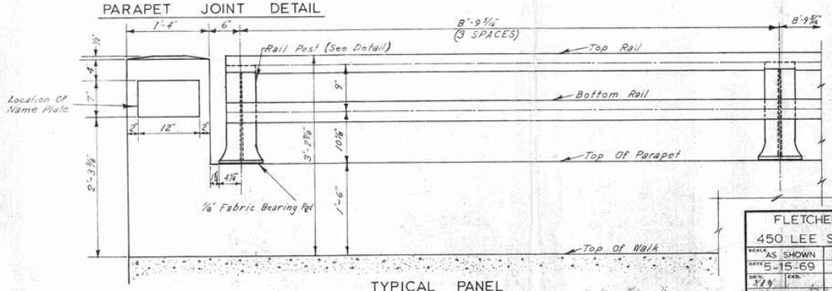
SECTION C-C



TYPICAL WING ELEVATION
FRONT FACE REINFORCING



PARAPET JOINT DETAIL



TYPICAL PANEL
SCALE 1"=1'-0"

NOTES:

ALL POSTS SHALL BE NORMAL TO PARAPET.

ALL ALUMINUM ALLOY EXTRUDED RAIL SHALL CONFORM TO ASTM SPECIFICATION B-221 ALLOY 6061-T6 & SHALL BE SUPPLIED IN MODULAR LENGTHS OF 30 FT., EXCEPT AT THE END OF BRIDGE OR OVER OPEN JOINTS IN BRIDGE DECK WHERE THE RAIL SHALL BE ATTACHED TO A MINIMUM OF 2 POST. IF THE RAIL IS ON A HORIZONTAL CURVE OF 2300 FT. RADIUS OR LESS, THE MODULAR LENGTHS MAY BE REDUCED BUT SHALL BE ATTACHED TO A MINIMUM OF 2 POSTS.

ALL JOINTS IN RAIL SHALL BE SPLICED PER DETAIL.

SEE SPECIAL PROVISIONS FOR THE FOLLOWING MATERIAL SPECIFICATIONS:

CAST ALUMINUM ALLOY BRIDGE POST ___ ALLOY A344-T4.

STAINLESS STEEL BARS, CAP SCREWS, WASHERS & LOCKWASHERS.

FABRIC BEARING PAD

METHOD OF MEASUREMENT: ALUMINUM HANDRAIL SHALL BE MEASURED IN LINEAL FEET. THE LENGTH PAID FOR SHALL BE THE OVER ALL LENGTH ALONG THE TOP LONGITUDINAL RAILING MEMBER THRU ALL POSTS & GAPS.

BASIS OF PAYMENT: ALUMINUM HANDRAIL SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER LINEAL FOOT FOR ALUMINUM HANDRAIL, MEASURED AS SPECIFIED, WHICH PRICE SHALL BE PAYMENT IN FULL FOR ALL MATERIALS, FABRICATION, TRANSPORTATION, & ERECTION.

COST OF RAIL SPLICE, END CAPS, & HARDWARE TO BE INCIDENTAL TO ITEM ALUMINUM HANDRAIL.

PROVIDE 1-1/8" & 2-1/16" ALUMINUM SHIMS FOR 25% OF THE POSTS. RAIL ELEMENTS SHALL BE PARALLEL TO GRADE ___ HIGH SPOTS SHALL BE GROUND & LOW SPOTS SHIMMED.

FLETCHER ENGINEERING COMPANY
450 LEE ST DES PLAINES, ILL.

SCALE	AS SHOWN	REVISIONS	BY	DATE
DATE	5-15-69			
DES.				
DET.				
APP'D.				

TITLE: BARKER AVENUE BRIDGE

CHRISTOPHER B. BURKE ENGINEERING, LTD.
9575 W. Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING STRUCTURAL PLANS (FOR INFORMATION ONLY)
STRUCTURE NUMBER 016-6055

SHEET NO. S19 OF S20 SHEETS

MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2315	14-00112-00-BR	COOK	45	33
		CONTRACT NO. 61E44		
	ILLINOIS FED. AID PROJECT			

\\CBBELSRVR1\cbbeldft\ROLLINGMEADOWS\980361.BR's\BR100's\98361BR180\Struct\EXIST_98361BR180-05.sht

Testing Service Corporation

STRUCTURE BORING LOG

Date Started 11/4/14
Date Completed 11/4/14

ROUTE _____ DESCRIPTION Barker Avenue over Salt Creek

SECT. _____ STRUCT. NO. 016-6055 DRILLED BY TSC/L-82,495

COUNTY Cook LOCATION North Abutment S. 7 NE , TWP. 41 , RNG. 11

Boring No. B-1
Station _____
Offset _____ ft
Surface Elev. 700.80 ft

Surface Water Elev. _____
Groundwater Elev.:
when drilling 23.5'
at Completion 26.0'
after _____ Hrs. _____

DEPTH	BLOWS	Qu tsf	W %
699.80 12" Bituminous Concrete			
699.50 4" Crushed Stone Base			
FILL - Dark brown CLAY, little crushed Concrete, very moist A-6	3 9 6	P 1.5	21.3
697.80 FILL - Brown SAND, some gravel, moist A-1-b	3 4 4		
-5			
	3 3 3		
692.80 FILL - Brown SAND and GRAVEL, moist A-1	4 4 5		
-10			
690.30 FILL - Gray CLAY, trace gravel, very moist A-6	1 1 1	P 0.5	22.8
	1 2 1	P 0.5	21.1
-15			
685.30 Very stiff gray CLAY LOAM, trace gravel, moist A-6	4 3 4	B 2.35 15%	13.4
682.80 Very stiff gray CLAY, trace gravel, moist A-6	2 2 4	B 2.28 15%	20.4
-20			
	3 5 9	B 2.08 15%	22.1
677.80 Loose gray SILTY LOAM, wet A-4	3 4 4		22.6
-25			

DEPTH	BLOWS	Qu tsf	W %
674.80 Very stiff gray CLAY, trace gravel, moist A-6			
-30	2 4 8	B 2.35 15%	19.3
668.80 Stiff to very stiff gray CLAY LOAM, trace gravel, moist A-6			
	3 5 9	B 1.62 15%	10.9
-35			
	5 10 10	B 2.42 15%	12.9
660.80 End of Boring at 40.0'			
-40			
-45			
-50			

SPT. (N) = Sum of last two blow values in sample. (Qu) S=Shear, B=Bulge at 15% Strain, P=Penetration Test.
Stations, Depths, Offset, and Elevations are in Feet

ILDOT_BORING 82495 IDOT.GPJ IDOT.GDT 11/20/14

Testing Service Corporation

STRUCTURE BORING LOG

Date Started 11/4/14
Date Completed 11/4/14

ROUTE _____ DESCRIPTION Barker Avenue over Salt Creek

SECT. _____ STRUCT. NO. 016-6055 DRILLED BY TSC/L-82,495

COUNTY Cook LOCATION South Abutment S. 7 NE , TWP. 41 , RNG. 11

Boring No. B-2
Station _____
Offset _____ ft
Surface Elev. 701.00 ft

Surface Water Elev. _____
Groundwater Elev.:
when drilling 11.0'
at Completion 13.0'
after _____ Hrs. _____

DEPTH	BLOWS	Qu tsf	W %
700.00 12" Bituminous Concrete			
699.70 4" Sand and Gravel Base			
FILL - Dark brown CLAY, little gravel, moist A-6	5 2 4	P 2.0	15.0
698.00 FILL - Brown and gray CLAY LOAM, trace to little gravel, moist to very moist A-6	3 3 6	P 2.5	13.2
-5			
694.00 FILL - Brown SANDY LOAM, some gravel, moist to very moist A-2-4	2 2 2	P 1.5	13.3
	2 3 3		5.1
-10			
690.50 FILL - Gray CLAY LOAM, trace gravel, moist A-6	5 15 6	P 2.5	11.9
688.00 Very stiff to stiff gray CLAY, trace gravel, moist to very moist A-6	3 4 4	B 3.87	15.7
-15			
	4 5 8	B 2.94	20.1
	2 2 4	B 1.49	22.9
-20			
	2 4 4	B 1.36	25.2
	4 4 4	B 1.42	25.4
-25			

DEPTH	BLOWS	Qu tsf	W %
674.00 Very stiff to stiff gray CLAY LOAM, trace gravel, moist A-6			
	4 6 6	B 2.70	13.7
-30			
	11 7 8	B 1.75	14.2
-35			
664.00 Dense gray SILTY LOAM, occasional Cobbles and Boulders, very moist A-4			
	10 15 16		16.1
661.00 End of Boring at 40.0'			
-40			
-45			
-50			

SPT. (N) = Sum of last two blow values in sample. (Qu) S=Shear, B=Bulge at 15% Strain, P=Penetration Test.
Stations, Depths, Offset, and Elevations are in Feet

ILDOT_BORING 82495 IDOT.GPJ IDOT.GDT 11/20/14

CHRISTOPHER B. BURKE ENGINEERING, LTD.
9575 W. Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

USER NAME = doconnell	DESIGNED - MM.	REVISED ___
	CHECKED - MM.	REVISED ___
PLOT SCALE =	DRAWN - PDR	REVISED ___
PLOT DATE = 8/28/2018	CHECKED - MM.	REVISED ___

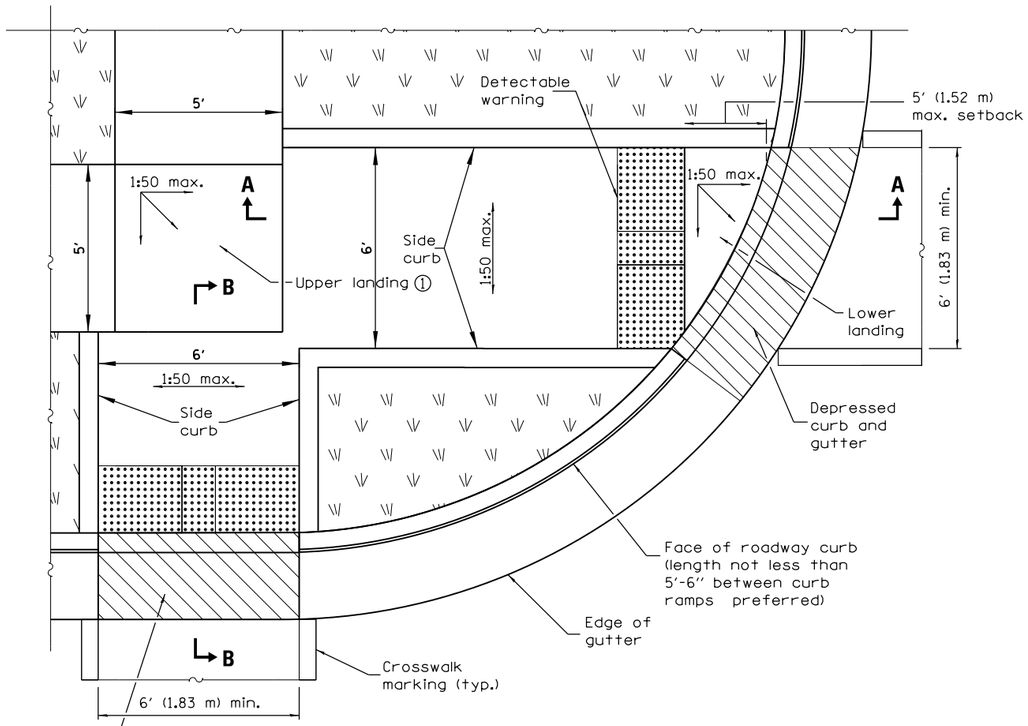
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BORING LOGS

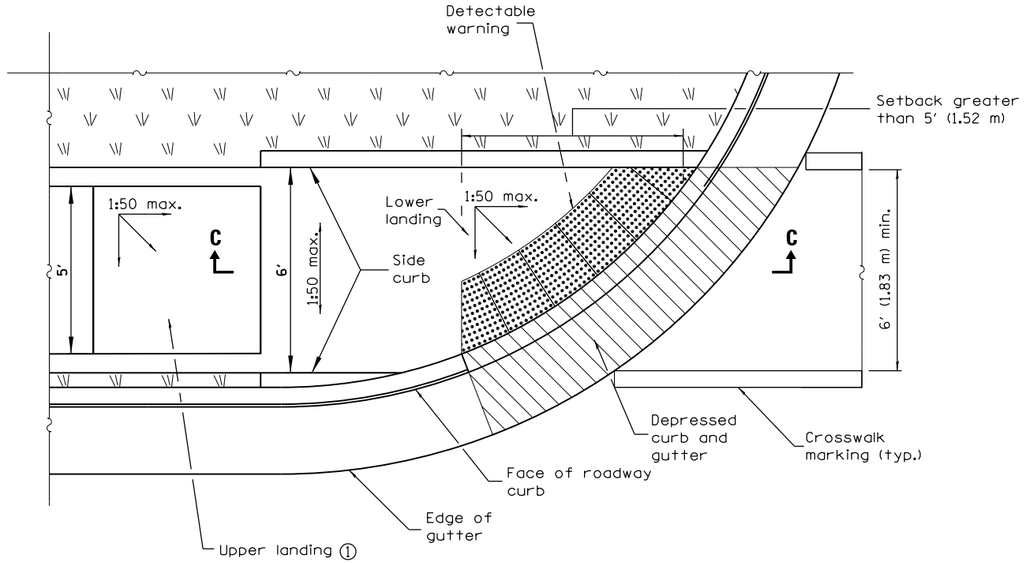
SHEET NO. S20 OF S20 SHEETS

MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2315	14-00112-00-BR	COOK	46	34
		CONTRACT NO. 61E44		
		ILLINOIS FED. AID PROJECT		

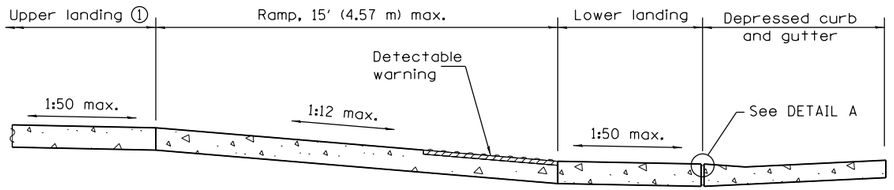
\\CBBELSRVR1\cbbeldft\ROLLINGMEADOWS\980361.BR's\BR100's\98361BR180\Struct\BOR_98361BR180.01.SHT



RAMPS IN LANDSCAPED AREA
SETBACK ≤ 5'

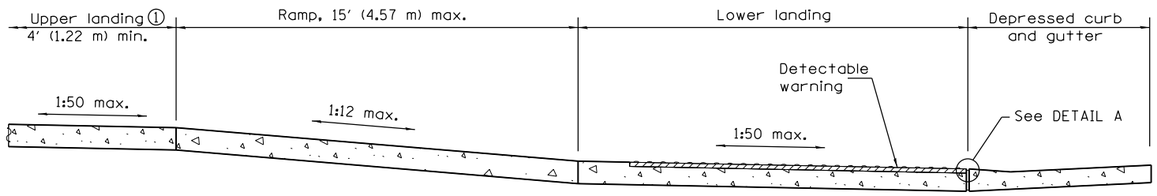


RAMP IN LANDSCAPED AREA
SETBACK > 5'



SECTION A–A

① Upper landing not required for ramp slopes flatter than 1:20.



SECTION C–C

① Upper landing not required for ramp slopes flatter than 1:20.

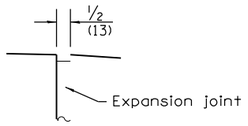
GENERAL NOTES

All slope ratios are expressed as units of vertical displacement to units of horizontal displacement (V:H).

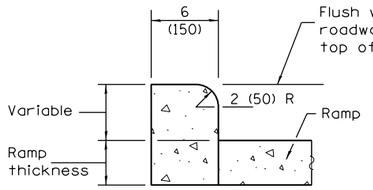
Where 1:50 maximum slope is shown, 1:64 is preferred.

See Standard 606001 for details of depressed curb adjacent to curb ramp.

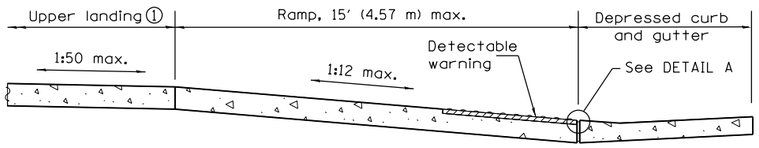
All dimensions are in inches (millimeters) unless otherwise shown.



DETAIL A



SIDE CURB DETAIL



SECTION B–B

① Upper landing not required for ramp slopes flatter than 1:20.

ROLLING MEADOWS PERPENDICULAR CURB RAMPS FOR SIDEWALKS

CHRISTOPHER B. BURKE ENGINEERING, LTD.
9575 W. Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

USER NAME = doconnell	DESIGNED - DOC	REVISED -	
	DRAWN - DOC	REVISED -	
PLOT SCALE =	CHECKED - GROZ	REVISED -	
PLOT DATE = 8/28/2018	DATE - 11/27/2017	REVISED -	

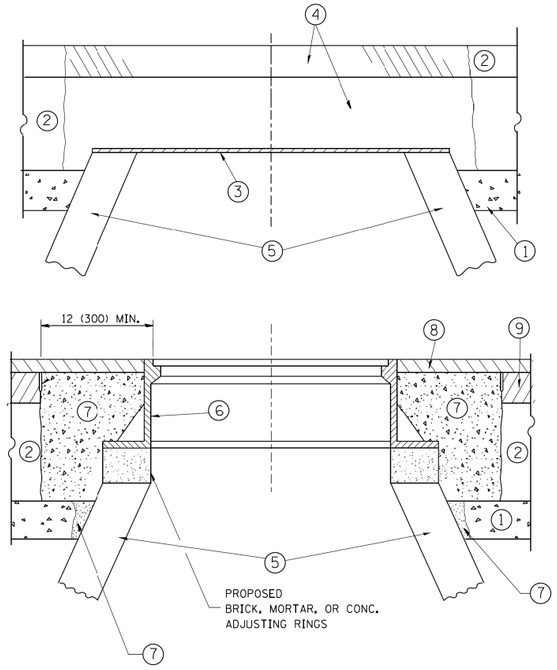
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CITY OF ROLLING MEADOWS
CONSTRUCTION DETAILS

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

MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2315	14-00112-00-BR	COOK	46	35
		CONTRACT NO. 61E44		
		ILLINOIS FED. AID PROJECT		

\\CBBELSRVR1\cbbeldft\ROLLINGMEADOWS\980361.BR's\BR100's\98361BR180\Civil\DET_98361BR180.01.SHT



CONSTRUCTION PROCEDURES

STAGE 1 (BEFORE PAVEMENT MILLING)

A: REMOVE A MINIMUM OF 12 (300) OF THE PAVEMENT FROM AROUND THE STRUCTURE.
B: REMOVE THE EXISTING FRAME AND LID FROM THE STRUCTURE.
C: COVER THE STRUCTURE OPENING WITH A 36 (900) DIAMETER METAL PLATE.
D: BACKFILL WITH CRUSHED STONE AND A MINIMUM 1½ (40) THICK HMA SURFACE MIX APPROVED BY THE ENGINEER.

STAGE 2 (AFTER PAVEMENT MILLING)

A) REMOVE THE HMA SURFACE MIX AND CRUSHED STONE.
B) INSTALL THE FRAME AND LID; ADJUST THE FRAME TO ITS FINAL SURFACE ELEVATION.
C) THE SURROUNDING SPACE SHALL BE FILLED WITH CLASS PP-1* CONCRETE TO THE ELEVATION OF THE SURFACE OF THE EXISTING BASE COURSE OR THE BINDER COURSE.

*UNLESS OTHERWISE SPECIFIED IN THE PLANS.

THE PROCEDURE EXPLAINED ABOVE SHALL CONFORM TO THE APPLICABLE PORTIONS OF SECTIONS 353, 406, 602, AND 603 OF THE STANDARD SPECIFICATIONS EXCEPT THAT "THE CONTRACTOR SHALL ADJUST THE STRUCTURES TO THE FINISHED PAVEMENT ELEVATION NO MORE THAN 5 CALENDAR DAYS PRIOR TO PLACEMENT OF THE FINAL LIFT OF SURFACE UNLESS APPROVED BY THE ENGINEER."

LEGEND

1. SUB-BASE GRANULAR MATERIAL
2. EXISTING PAVEMENT
3. 36 (900) DIAMETER METAL PLATE
4. PROPOSED CRUSHED STONE AND HMA SURFACE MIX
5. EXISTING STRUCTURE
6. FRAME AND LID (SEE NOTES)
7. CLASS PP-1* CONCRETE
8. PROPOSED HMA SURFACE COURSE
9. PROPOSED HMA BINDER COURSE

NOTES:

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

IF THE EXISTING LIDS ARE OPEN, THE FRAME WILL BE ADJUSTED TO THE ELEVATION OF THE MILLED PAVEMENT SURFACE PRIOR TO THE MILLING OPERATION. THE FRAME WILL NOT BE REMOVED AND COVERED BY THE METAL PLATE.

CITY OF CHICAGO CASTINGS ARE THE PROPERTY OF THE CITY AND THE CONTRACTOR SHALL NOTIFY THE CITY FOR REMOVAL AND DISPOSITION OF THE CASTINGS.

THE METAL PLATE USED TO COVER THE STRUCTURE SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.

WHEN STRUCTURES ARE TO BE ADJUSTED OR RECONSTRUCTED, THE LOWERING AND RAISING OF THE FRAMES AND LIDS WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE COST OF THE CORRESPONDING PAY ITEM.

LOCATION OF STRUCTURES:

THE CONTRACTOR WILL BE REQUIRED TO KEEP A RECORD OF THE LOCATIONS OF THE BURIED STRUCTURES ACCORDING TO THE STATION AND DISTANCE LEFT OR RIGHT OF THE CENTERLINE OF PAVEMENT. UPON COMPLETION OF THE WORK, THE CONTRACTOR WILL DELIVER THE RECORD TO THE ENGINEER.

BASIS OF PAYMENT:

REMOVING FRAMES AND LIDS ON DRAINAGE AND UTILITY STRUCTURES IN THE PAVEMENT PRIOR TO MILLING, AND ADJUSTING TO FINAL GRADE PRIOR TO PLACING THE SURFACE COURSE, WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR "FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)."

THIS WORK WILL NOT BE PAID FOR WHEN DRAINAGE AND UTILITY STRUCTURES ARE SPECIFIED FOR PAYMENT AS STRUCTURE RECONSTRUCTION.

NEW FRAMES AND LIDS, WHEN SPECIFIED, WILL BE PAID FOR SEPARATELY.

DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

FILE NAME = c:\pw_work\pwidot\bauerdl\d0108315\bd08.dgn	USER NAME = bauerdl	DESIGNED - R. SHAH	REVISED - R. WIEDEMAN 05-14-04
		DRAWN -	REVISED - R. BORO 01-01-07
	PLOT SCALE = 1968.5000 ' / m	CHECKED -	REVISED - R. BORO 03-09-11
	PLOT DATE = 12/6/2011	DATE - 10-25-94	REVISED - R. BORO 12-06-11

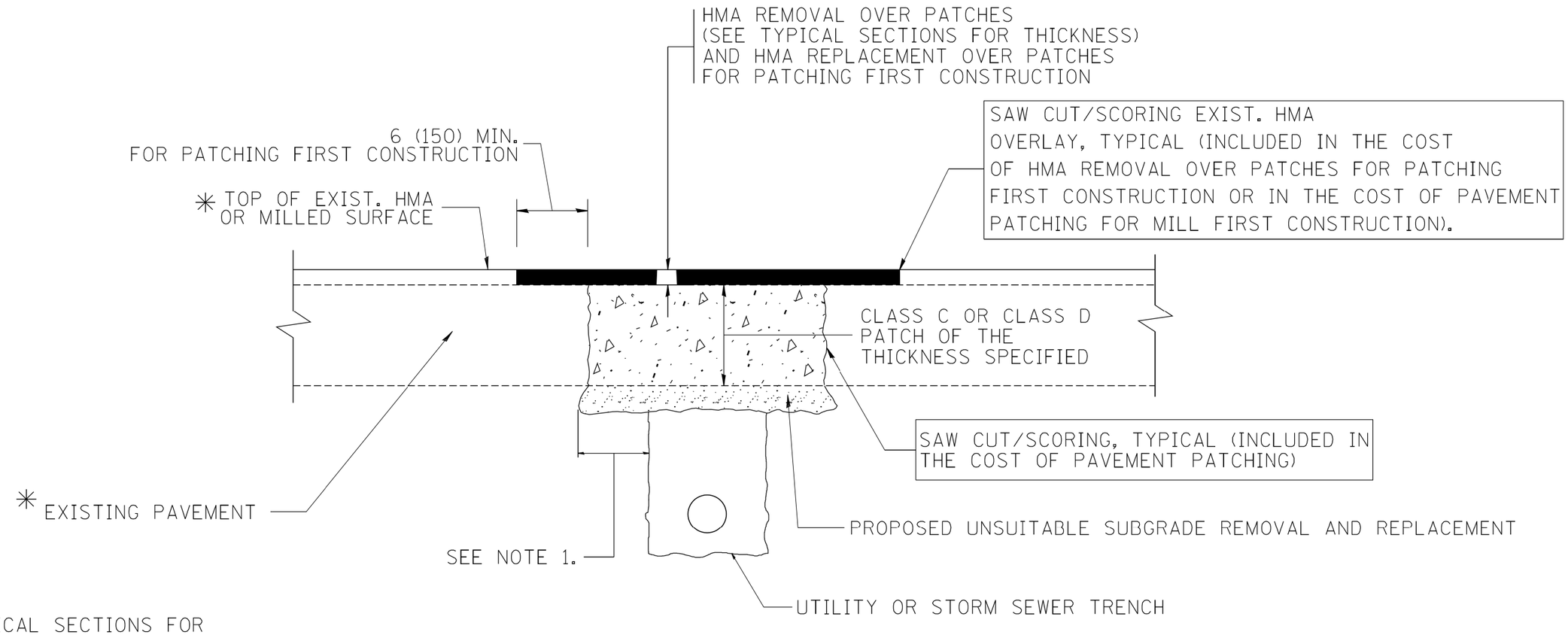
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETAILS FOR
FRAMES AND LIDS ADJUSTMENT WITH MILLING

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

MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2315	14-00112-00-BR	COOK	46	36
	BD600-03 (BD-8)	CONTRACT NO. 61E44		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

FILE NAME \\CBBELSRVR1\cbbeldfs\ROLLINGMEADOWS\980361.BR's\BR100's\98361BR180\Civil\BD-08_98361BR180.SHT



* SEE TYPICAL SECTIONS FOR THICKNESS AND MATERIALS

NOTES:

1. THE WIDTH OF THE FULL DEPTH PATCH OVER A TRENCH SHALL BE 12 (300) WIDER ON EACH SIDE OF THE TRENCH.
2. FOR METHOD OF MEASUREMENT AND BASIS OF PAYMENT, SEE RECURRING SPECIAL PROVISION "PATCHING WITH HOT-MIX ASPHALT OVERLAY REMOVAL".

SEQUENCE OF CONSTRUCTION (PATCHING FIRST)

1. REMOVE THE EXISTING HMA MATERIAL OVER THE AREA TO BE PATCHED.
2. REMOVE AND REPLACE WITH CLASS C OR D PATCH.
3. REPLACE HMA MATERIAL OVER THE AREA TO BE PATCHED.

SEQUENCE OF CONSTRUCTION (MILLING FIRST)

1. MILL HMA FIRST IF THERE IS AT LEAST $4\frac{1}{2}$ INCHES OR MORE OF HMA MATERIAL ON TOP OF THE EXISTING PAVEMENT OR IF THE PAVEMENT IS FULL DEPTH HMA. A MINIMUM OF 2 INCHES OF HMA MATERIAL SHALL BE IN PLACE AFTER MILLING.
2. REMOVE AND REPLACE WITH FULL DEPTH CLASS D PATCHES TO TOP OF MILLED SURFACE.

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

FILE NAME = c:\projects\diststd22x34\bd22.dgn	USER NAME = bauerd1	DESIGNED - R. SHAH	REVISED - A. ABBAS 04-27-98
		DRAWN -	REVISED - R. BORO 01-01-07
	PLOT SCALE = 50.000 ' / IN.	CHECKED -	REVISED - R. BORO 09-04-07
	PLOT DATE = 10/27/2008	DATE - 10-25-94	REVISED - K. ENG 10-27-08

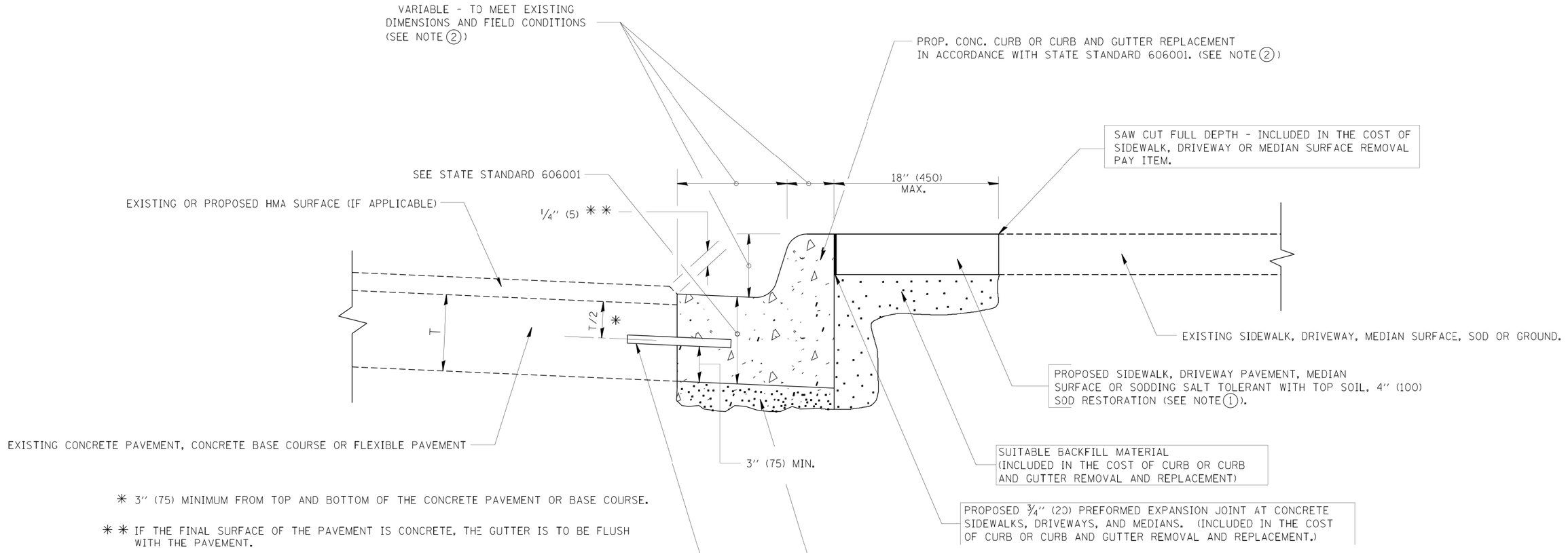
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT

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

MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2315	14-00112-00-BR	COOK	46	37
	BD400-04 (BD-22)	CONTRACT NO. 61E44		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

FILE NAME \\CBBELSRVR1\cbbeldft\ROLLINGMEADOWS\980361.BR's\BR100's\98361BR180\Civil\BD-22_98361BR180.SHT



* 3" (75) MINIMUM FROM TOP AND BOTTOM OF THE CONCRETE PAVEMENT OR BASE COURSE.

* * IF THE FINAL SURFACE OF THE PAVEMENT IS CONCRETE, THE GUTTER IS TO BE FLUSH WITH THE PAVEMENT.

NOTE: (1) SIDEWALK, DRIVEWAY PAVEMENT OR MEDIAN SURFACE SHALL BE SIMILAR TO THE MATERIAL BEING REMOVED AND WILL BE PAID FOR SEPARATELY.

SODDING, SALT TOLERANT AND TOP SOIL, FURNISH AND PLACE 4" WILL BE PAID FOR SEPARATELY,

(2) FERTILIZER FOR THE PLACEMENT OF THE SOD IS NOT REQUIRED

(3) CURB OR CURB AND GUTTER REPLACEMENT SHALL MATCH THE SHAPE OF THE EXISTING CURB OR CURB AND GUTTER UNLESS OTHERWISE SPECIFIED.

(4) FOR CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT ADJACENT TO FLEXIBLE PAVEMENT DELETE EPOXY COATED TIE BARS.

(5) LONGITUDINAL BARS, IF ENCOUNTERED IN THE EXISTING CURB OR CURB AND GUTTER, ARE NOT TO BE REPLACED. CUTTING AND REMOVING LONGITUDINAL BARS SHALL BE INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.

(6) THE COST OF HMA SURFACE REMOVAL IN THE EXISTING GUTTER FLAG SHALL BE INCLUDED IN THE COST OF THE CURB AND GUTTER REMOVAL AND REPLACEMENT.

(7) THE REMOVAL AND REPLACEMENT OF THE EXISTING CURB OR CURB AND GUTTER SHALL BE DONE IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF SECTION 440 AND 606 OF THE STANDARD SPECIFICATIONS.

(8) THE LOCATIONS OF REMOVAL AND REPLACEMENT OF EXISTING CURB OR CURB AND GUTTER SHALL BE DETERMINED BY THE RESIDENT ENGINEER AT THE TIME OF CONSTRUCTION.

BASIS OF PAYMENT:

THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER FOOT (METER) FOR "CURB REMOVAL AND REPLACEMENT" OR "COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT".

CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

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

FILE NAME = c:\pw_work\pwidot\drivakosgn\d0108315\bd24.dgn	USER NAME = drivakosgn	DESIGNED - A. HOUSEH	REVISED - R. SHAH 10-03-96
		DRAWN -	REVISED - A. ABBAS 03-21-97
	PLOT SCALE = 50.000 ' / IN.	CHECKED -	REVISED - M. GOMEZ 01-22-01
	PLOT DATE = 12/15/2009	DATE - 03-11-94	REVISED - R. BORO 12-15-09

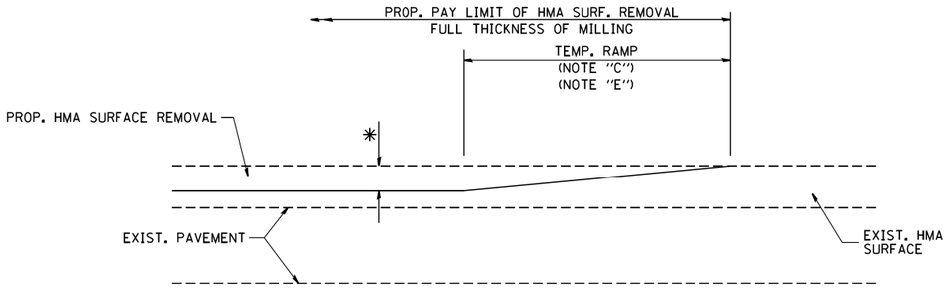
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

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

MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2315	14-00112-00-BR	COOK	46	38
	BD600-06 (BD-24)	CONTRACT NO. 61E44		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

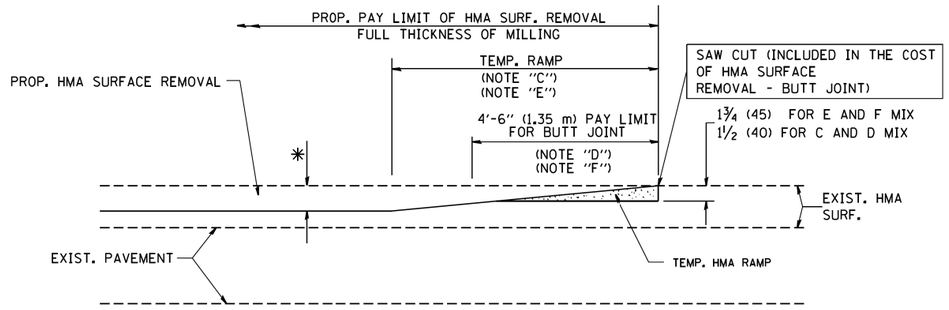
FILE NAME \\CBBELSRVR1\cbbeldft\ROLLINGMEADOWS\980361.BR's\BR100's\98361BR100\Civil\BD-24_98361BR100.SHT



MILLED TEMPORARY RAMP

(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 1

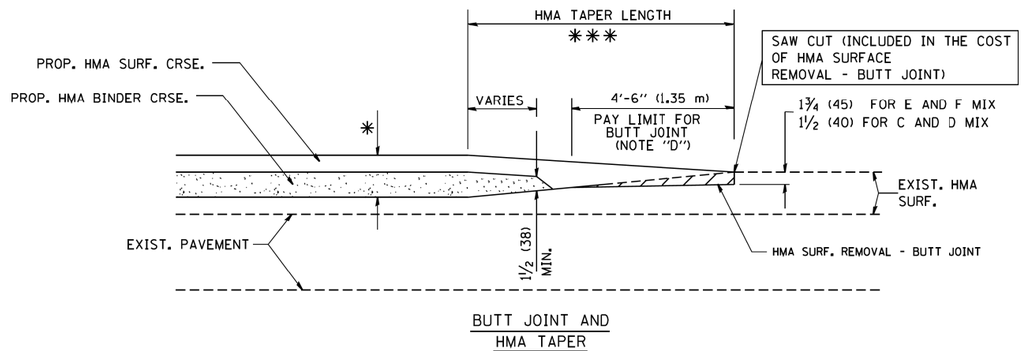


HMA CONSTRUCTED TEMPORARY RAMP

(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

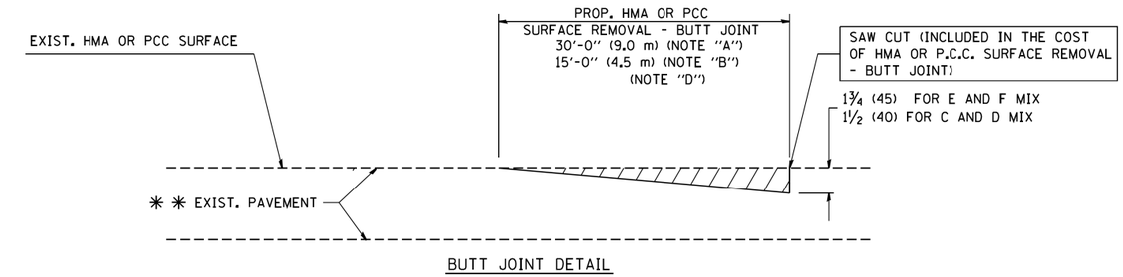
OPTION 2

TYPICAL TEMPORARY RAMP

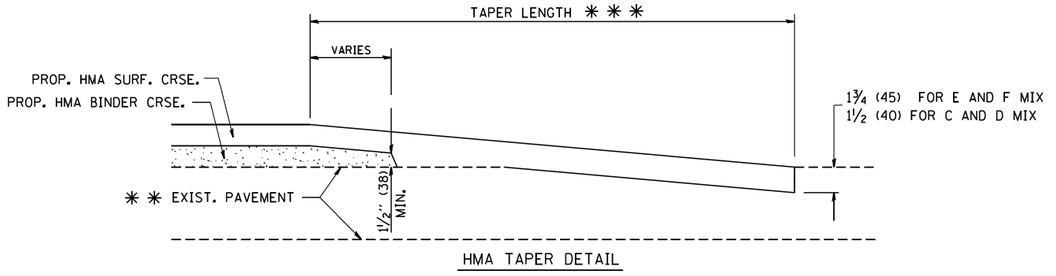


BUTT JOINT AND HMA TAPER

TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING



BUTT JOINT DETAIL



HMA TAPER DETAIL

TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY

* * PC CONCRETE, HMA OR HMA RESURFACED PAVEMENT.

NOTES

A: MAINLINE ROADWAYS AND MAJOR SIDE ROADS.

B: MINOR SIDE ROADS.

C: THE TEMP. RAMP SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING HMA SURFACE.

D: THE BUTT JOINT SHALL BE CONSTRUCTED IMMEDIATELY PRIOR TO PLACING THE PROPOSED HMA COURSES.

E: TAPER THE TEMP. RAMP AT A RATE OF 3'-0" (900 mm) PER 1 INCH (25 mm) OF MILLING THICKNESS.

F: INSTALLATION AND REMOVAL OF THE 4'-6" (1.35 m) TEMP. RAMP IS INCLUDED IN COST OF HMA SURFACE REMOVAL - BUTT JOINT

G: SEE ARTICLE 406.08 AND 406.14 OF THE STANDARD SPECIFICATIONS FOR "HMA AND/OR PCC SURFACE REMOVAL, BUTT JOINT".

* SEE TYPICAL SECTIONS FOR MILLING THICKNESS.

* * * 20'-0" (6.1 m) PER 1 (25) RESURFACING (NOTE "A")
10'-0" (3.0 m) PER 1 (25) RESURFACING (NOTE "B")

BASIS OF PAYMENT:

THE BUTT JOINT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD (SQUARE METER) FOR "HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT" OR FOR "PORTLAND CEMENT CONCRETE SURFACE REMOVAL- BUTT JOINT".

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

FILE NAME = W:\diststd\22x34\bd32.dgn	USER NAME = gaglianobt	DESIGNED - M. DE YONG	REVISED - R. SHAH 10-25-94	
		DRAWN -	REVISED - A. ABBAS 03-21-97	
	PLOT SCALE = 50.0000 ' / IN.	CHECKED -	REVISED - M. GOMEZ 04-06-01	
	PLOT DATE = 1/4/2008	DATE - 06-13-90	REVISED - R. BORO 01-01-07	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BUTT JOINT AND HMA TAPER DETAILS

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

MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2315	14-00112-00-BR	COOK	46	39
	BD400-05 BD32	CONTRACT NO. 61E44		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

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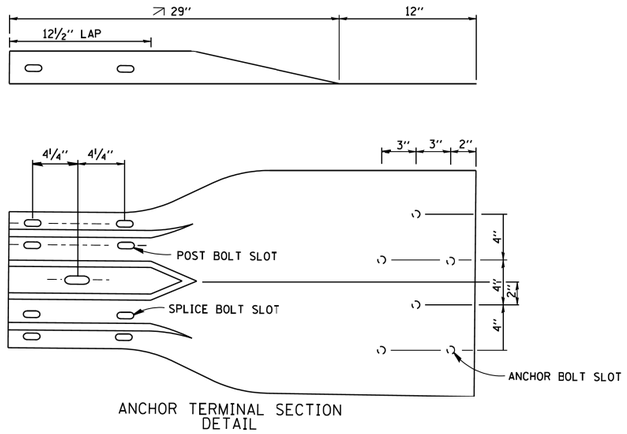
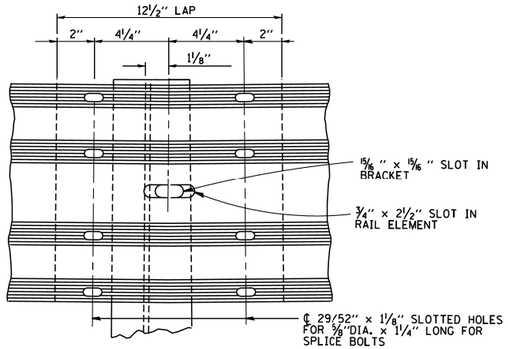
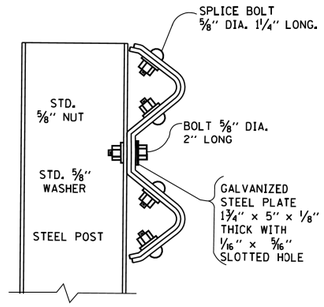
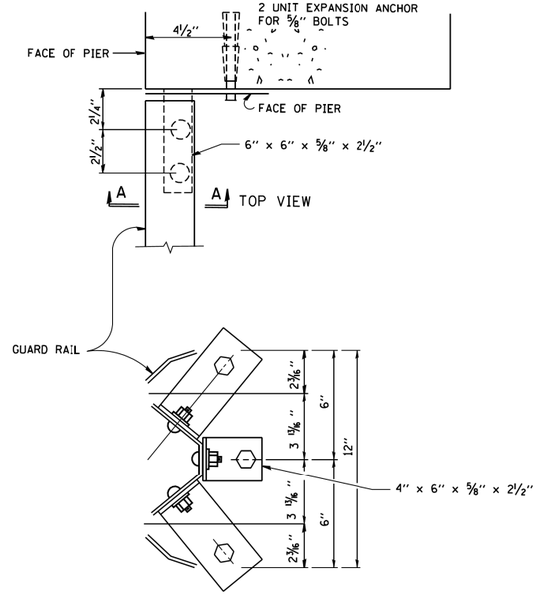


ANCHOR TERMINAL SECTION
DETAIL

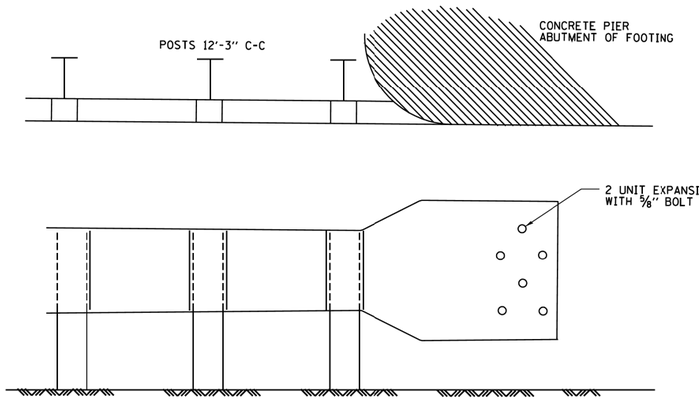






SECTION A-A
SCALE 4"= 1'

DETAIL OF CONNECTION OF GUARDRAIL
TO SQUARE BRIDGE PIER OR FOUNDATION.



TYPICAL INSTALLATION

DETAIL OF CONNECTION OF GUARDRAIL TO
ROUNDED BRIDGE PIER OR FOUNDATION

THIS SHEET IS FOR INFORMATION ONLY

FILE NAME = W:\diststd\22x34\bm07.dgn	USER NAME = gaglianobt	DESIGNED -	REVISED - R. RITCHIE 05-02-00
		DRAWN - RFL	REVISED -
	PLOT SCALE = 50.000 ' / IN.	CHECKED -	REVISED -
	PLOT DATE = 1/4/2008	DATE - 10-31-88	REVISED -

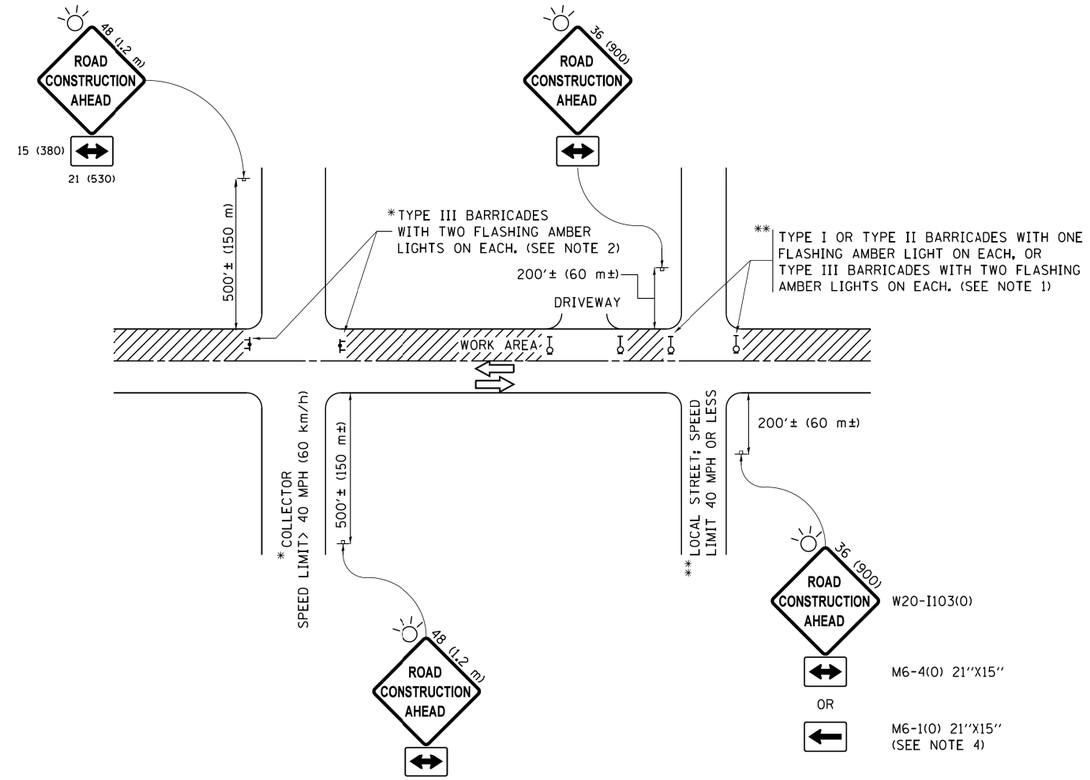
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETAIL OF GUARDRAIL SUPPORT AND END ANCHORAGE

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2315	14-00112-00-BR	COOK	46	40
	BM-07	CONTRACT NO. 61E44		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

FILE NAME \\CBBELSRVR1\cbbeldfs\ROLLINGMEADOWS\980361.BR's\BR100's\98361BR180\Civil\BM-07_98361BR180.SHT



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 = pw:\\IL084EBIDINTEG.illinois.gov:PWIDOT\Documents\IDOT Offices\District 1\Projects\Distribution\CADData\CADsheets\tc10.dgn	USER NAME = footemj	DESIGNED - L.H.A.	REVISED - A. HOUSEH 10-15-96	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
		DRAWN	REVISED -T. RAMMACHER 01-06-00	
	PLOT SCALE = 50.000 ' / in.	CHECKED -	REVISED - A. SCHUETZE 07-01-13	
Default	PLOT DATE = 9/15/2016	DATE - 06-89	REVISED - A. SCHUETZE 09-15-16	

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

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

MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2315	14-00112-00-BR	COOK	46	41
	TC-10	CONTRACT NO. 61E44		
	ILLINOIS FED. AID PROJECT			

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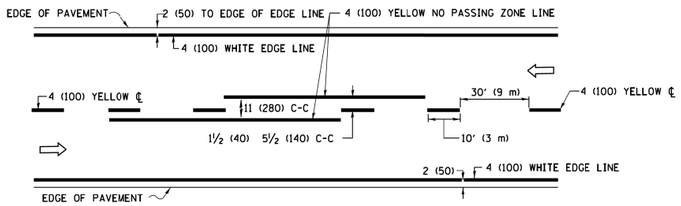
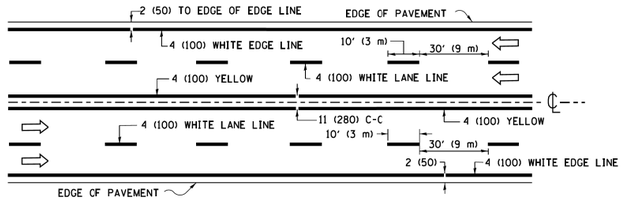
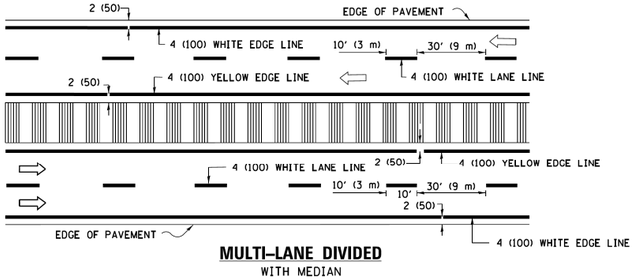


2–LANE ROADWAY

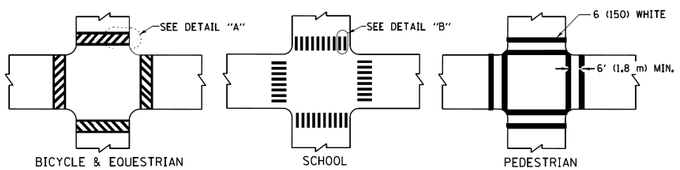


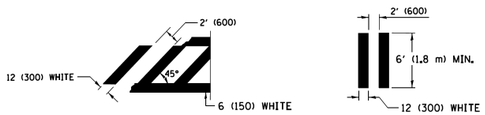
MULTI–LANE UNDIVIDED



MULTI–LANE DIVIDED
WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING

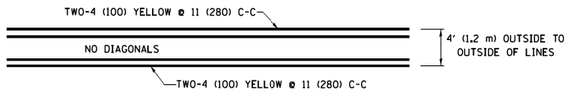




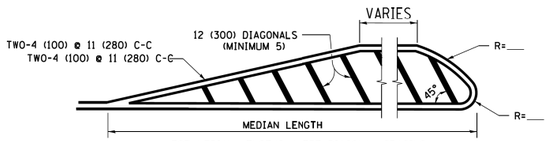
DETAIL "A" **DETAIL "B"**

TYPICAL CROSSWALK MARKING

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



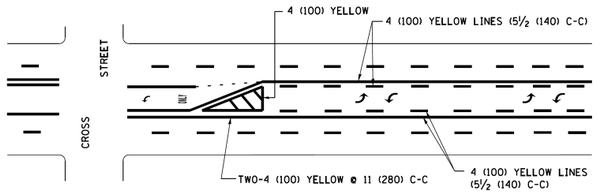
4' (1.2 m) WIDE MEDIANS ONLY



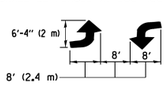
FOR MEDIAN LENGTHS WHERE DIAGONAL SPACING CANNOT BE ATTAINED, USE 5 (FIVE) EQUALLY SPACED DIAGONAL LINES.

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

MEDIANS OVER 4' (1.2 m) WIDE

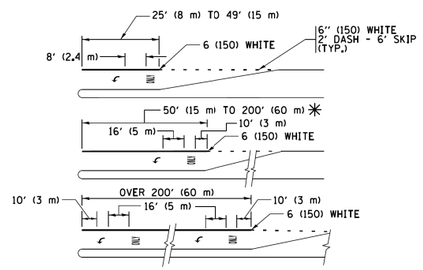


A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



MEDIAN WITH TWO–WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING

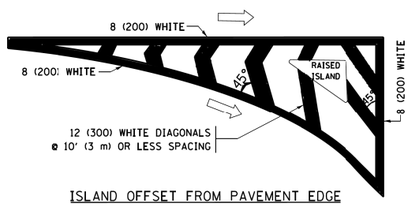


FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
↰ AREA = 15.6 SQ. FT. (1.5 m²) ONLY AREA = 20.8 SQ. FT. (1.9 m²)

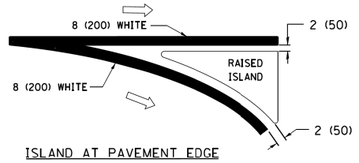
✳ TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING

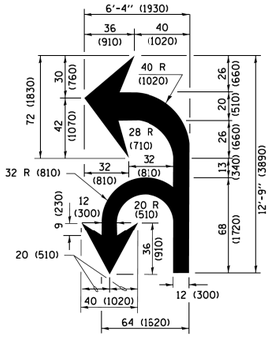


ISLAND OFFSET FROM PAVEMENT EDGE

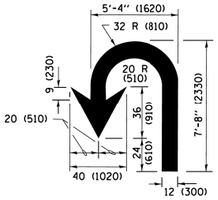


ISLAND AT PAVEMENT EDGE

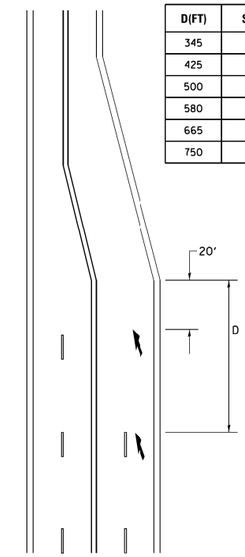
TYPICAL ISLAND MARKING



COMBINATION LEFT AND U–TURN



U–TURN



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

LANE REDUCTION TRANSITION

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

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING /REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 ⊄ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 ⊄ 4 (100)	SOLID SOLID	YELLOW YELLOW	5½ (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MEDIANS IN YELLOW
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 ⊄ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5½ (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 ⊄ 6 (150) 12 (300) ⊄ 45° 12 (300) ⊄ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT. PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 ⊄ 4 (100) WITH 12 (300) DIAGONALS ⊄ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW: TWO WAY TRAFFIC WHITE: ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS ⊄ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h)) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES; "RR" IS 6' (1.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SQ. FT. (0.33 m²) EACH "X"=54.0 SQ. FT. (5.0 m²)
SHOULDER DIAGONALS (REQUIRED FOR SHOULDERS ≥ 8')	12 (300) ⊄ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))
U TURN ARROW	SEE DETAIL	SOLID	WHITE	16.3 SF
2 ARROW COMBINATION LEFT AND U TURN	SEE DETAIL	SOLID	WHITE	30.4 SF

FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND STATE STANDARD 780001.

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

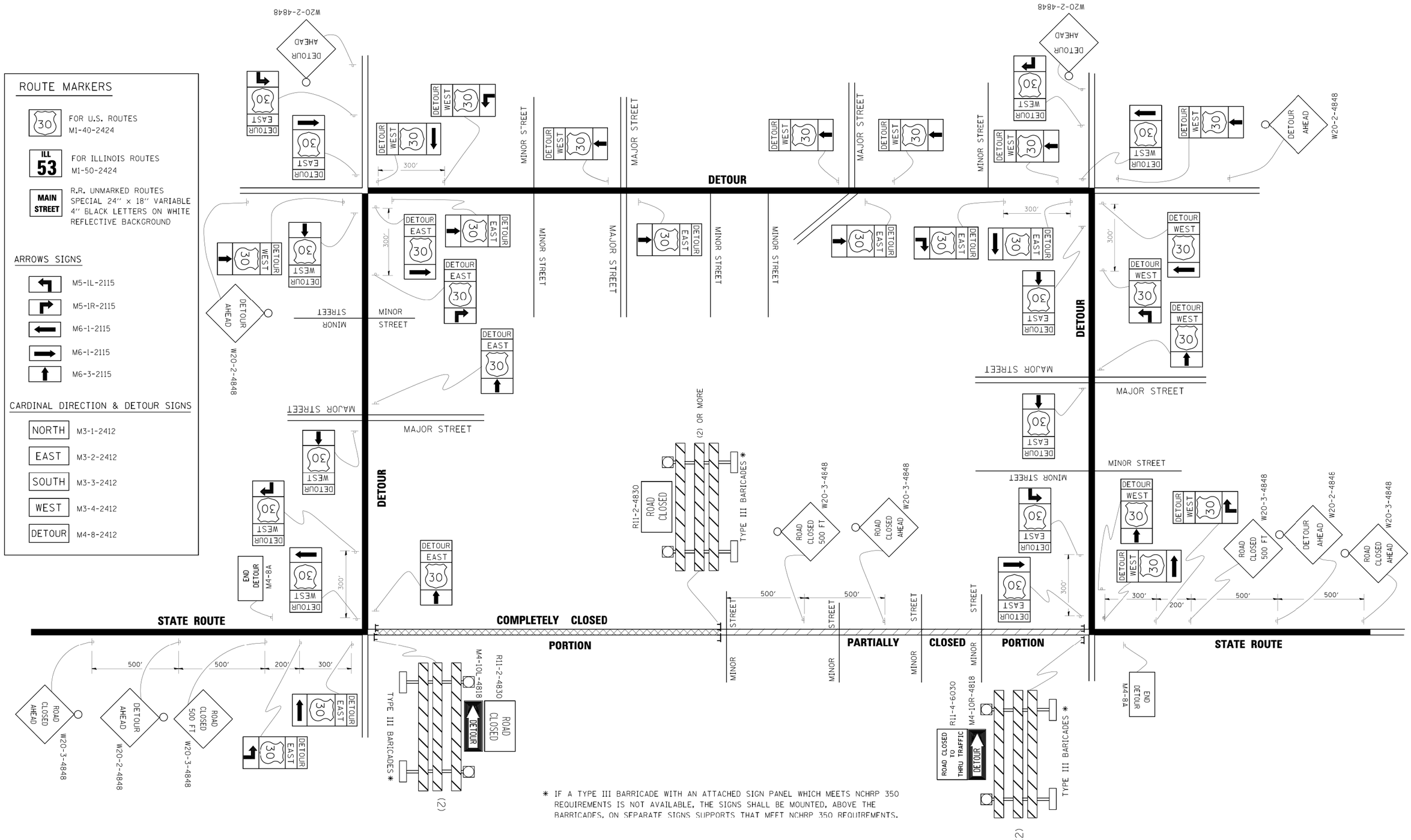
FILE NAME = W:\diststd\22x34\tcl3.dgn	USER NAME = leysa	DESIGNED - EVERS	REVISED - C. JUCIUS 09-09-09	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
Default		DRAWN -	REVISED - C. JUCIUS 07-01-13	
	PLOT SCALE = 50.000 ' / in.	CHECKED -	REVISED - C. JUCIUS 12-21-15	
	PLOT DATE = 6/23/2017	DATE - 03-19-90	REVISED - C. JUCIUS 04-12-16	

DISTRICT ONE
TYPICAL PAVEMENT MARKINGS

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

MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2315	14-00112-00-BR	COOK	46	42
	TC-13	CONTRACT NO. 61E44		
		ILLINOIS FED. AID PROJECT		

FILE NAME \\CBBELSRVR1\cbbeldft\ROLLINGMEADOWS\980361.BR's\BR100's\98361BR180\Civil\TC-13_98361BR180.SHT



* 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 =
c:\pw_work\PWIDOT\DRIVAKOSGN\d0108315\tc21.dgn

USER NAME = drivakosgn
PLOT SCALE = 49.9999 ' / IN.
PLOT DATE = 9/14/2009

DESIGNED -
DRAWN -
CHECKED -
DATE -

REVISED - 10-18-02
REVISED - R. BORO 09-14-09
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

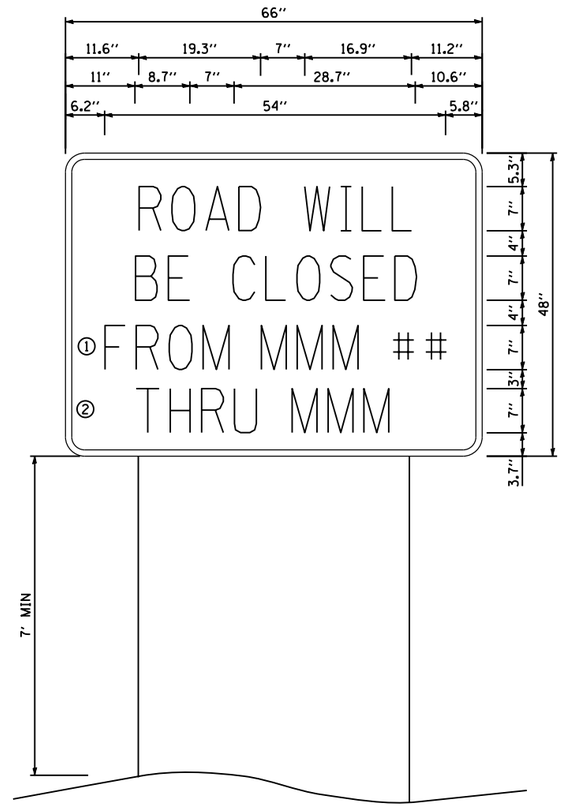
DETOUR SIGNING
FOR CLOSING STATE HIGHWAYS

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

MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2315	14-00112-00-BR	COOK	46	43

TC-21
CONTRACT NO. 61E44
FED. ROAD DIST. NO. 1 | ILLINOIS | FED. AID PROJECT

FILE NAME \\CBBELSRVR1\cbbeldft\ROLLINGMEADOWS\980361.BR's\BR100's\98361BR180\Civil\TC-21_98361BR180.SHT



NOTES:

1. USE BLACK LETTERING ON ORANGE BACKGROUND.
2. 6.0" RADIUS, 1.3" BORDER, BLACK ON ORANGE; "ROAD WILL" C 2K; "BE CLOSED" C 2K; RECTANGLE ORANGE; RECTANGLE ORANGE; "HIGHWAY C" FONT.
3. ERECT SIGN ASSEMBLY (POST-MOUNTED) WITH PANELS ① & ② IN PLACE ON ROAD TO BE CLOSED IN EACH DIRECTION NEAR POINT OF CLOSURE OR WITHIN SECTION TO BE FULLY CLOSED TWO (2) WEEKS PRIOR TO START DATE OF FULL CLOSURE. ERECT SIGNS AT LOCATIONS DIRECTED BY THE ENGINEER. REMOVE ASSEMBLY AFTER CLOSURE.
4. OVERLAY PANEL ① TO CONTAIN STARTING DATE, INCLUDING THREE-LETTER MONTH AND TWO-DIGIT DATE, OF FULL CLOSURE AND DETOUR IMPLEMENTATION.
5. OVERLAY PANEL ② TO CONTAIN ENDING THREE-LETTER MONTH ONLY (NO DATE) OF FULL CLOSURE AND DETOUR.
6. SEE SPECIAL PROVISION FOR "TEMPORARY INFORMATION SIGNING" FOR ADDITIONAL INFORMATION.
7. ONE SIGN ASSEMBLY EQUALS 27.3 SQ FT.
8. SHALL BE PAID FOR AS TEMPORARY INFORMATION SIGNING.

CHRISTOPHER B. BURKE ENGINEERING, LTD.
9575 W. Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

USER NAME = doconnell	DESIGNED - DOC	REVISED -
	DRAWN - DOC	REVISED -
PLOT SCALE =	CHECKED - GROZ	REVISED -
PLOT DATE = 8/28/2018	DATE - 11/27/2017	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ARTERIAL ROAD INFORMATION SIGN
FOR ROADS TO BE FULLY CLOSED AND DETOURED

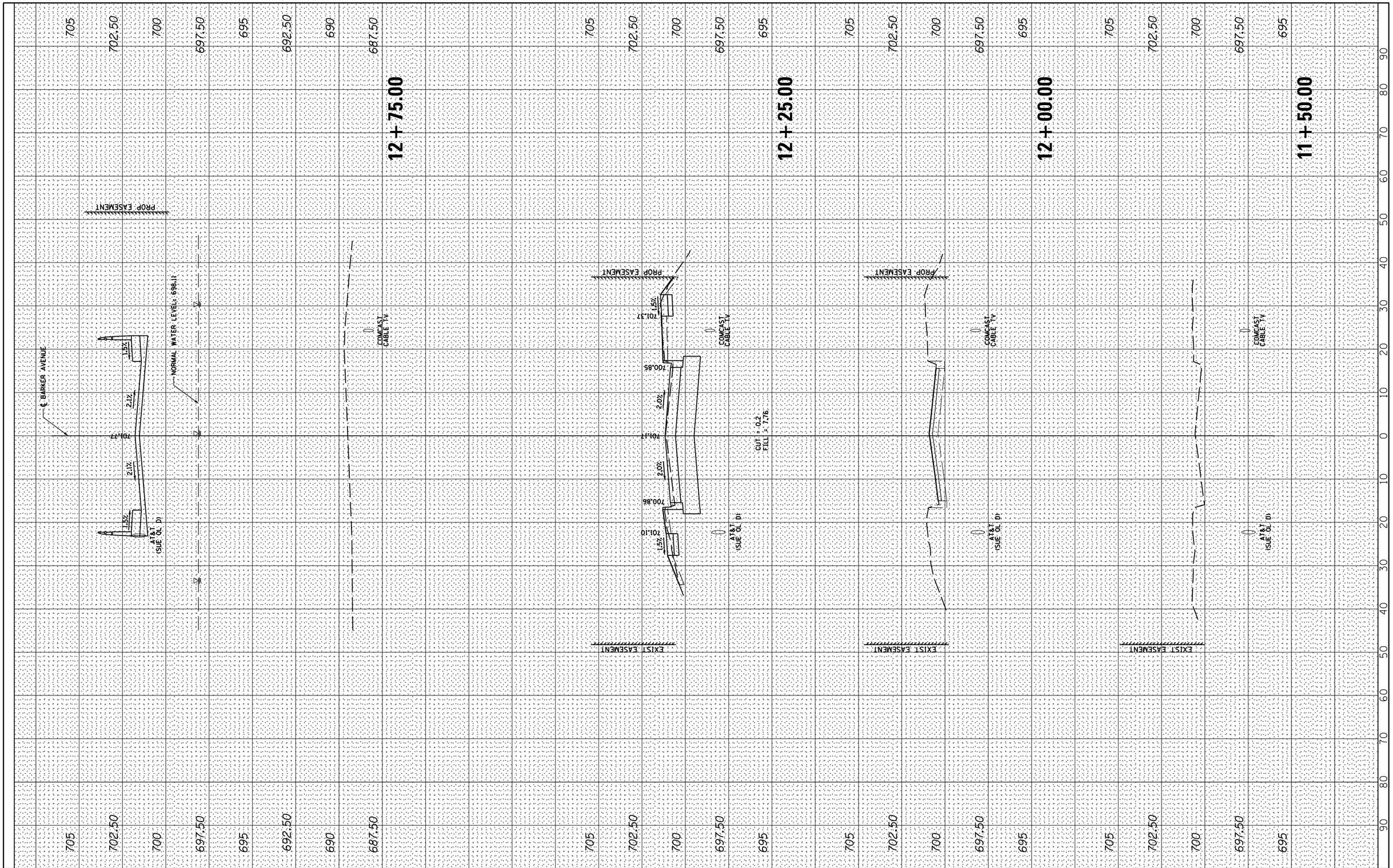
SCALE: | SHEET OF SHEETS | STA. | TO STA.

MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2315	14-00112-00-BR	COOK	46	44
		CONTRACT NO. 61E44		
	ILLINOIS FED. AID PROJECT			

\\CBBELSRVR1\cbbeldft\ROLLINGMEADOWS\980361.BR's\BR100's\98361BR100\Civil\TC-DET_98361BR180.SHT

FINAL SURVEY		BY	DATE
	SURVEYED		
	PLOTTED		
NOTE BOOK	TEMPLATE		
	AREAS		
NO.	AREAS CHECKED		

ORIGINAL SURVEY		BY	DATE
	SURVEYED		
	PLOTTED		
NOTE BOOK	TEMPLATE		
	AREAS		
NO.	AREAS CHECKED		



USER NAME = doconnell	DESIGNED - DOC	REVISED -	
	DRAWN - DOC	REVISED -	
PLOT SCALE =	CHECKED - GROZ	REVISED -	
PLOT DATE = 8/28/2018	DATE - 9/29/2017	REVISED -	

CHRISTOPHER B. BURKE ENGINEERING, LTD.
9575 W. Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS

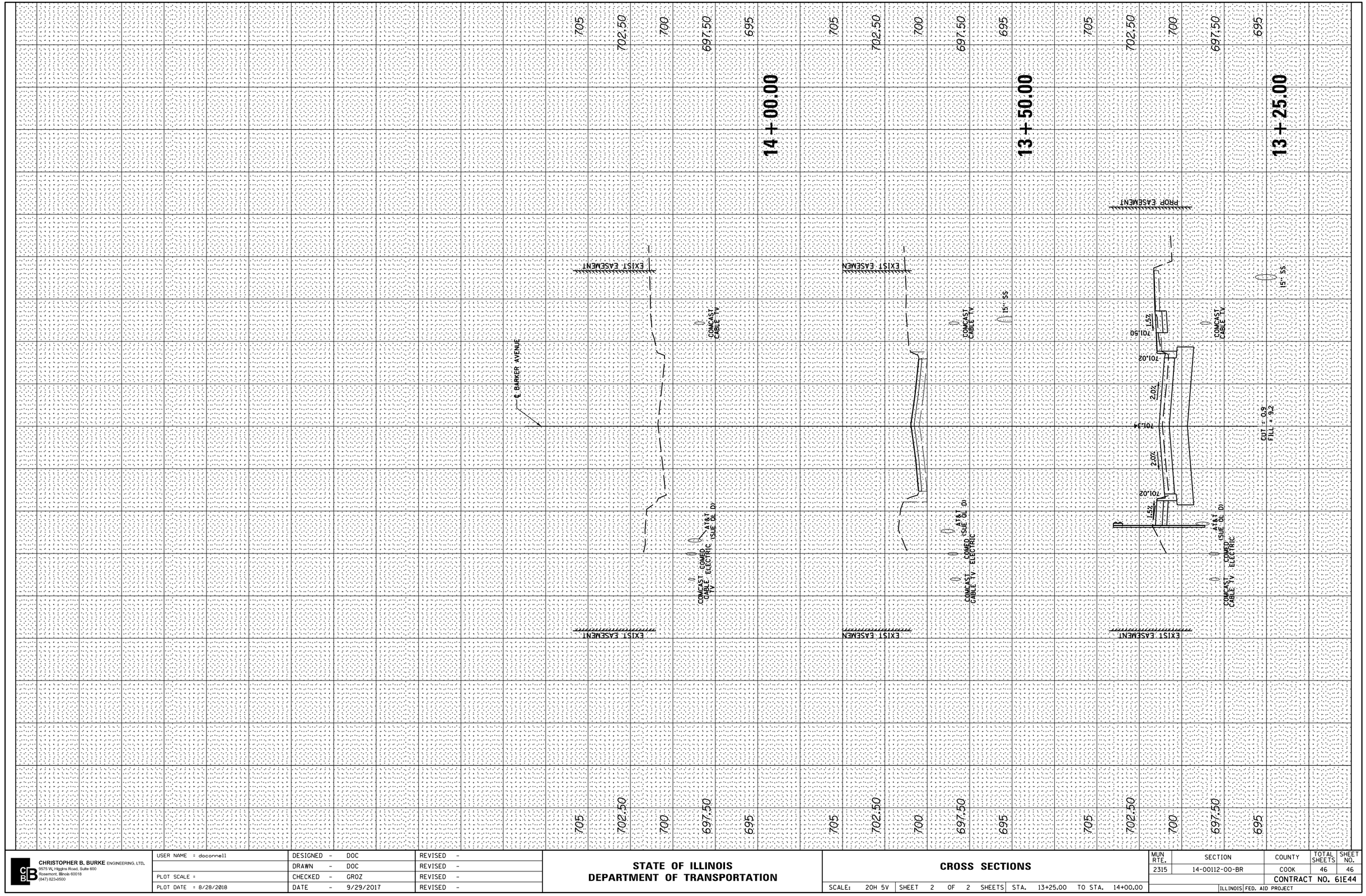
SCALE: 20H 5V | SHEET 1 OF 2 SHEETS | STA. 11+50.00 TO STA. 12+75.00

MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2315	14-00112-00-BR	COOK	46	45
		CONTRACT NO. 61E44		
	ILLINOIS FED. AID PROJECT			

\\CBBELSRVR1\cbbeldft\ROLLINGMEADOWS\980361.BR's\BR100's\98361BR180\Civil\XSEC_98361BR180.01.SHT

FINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
	PLOTTED		
	TEMPLATE		
	AREAS		
NO.	AREAS CHECKED		

ORIGINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
	PLOTTED		
	TEMPLATE		
	AREAS		
NO.	AREAS CHECKED		



CHRISTOPHER B. BURKE ENGINEERING, LTD. 9575 W. Higgins Road, Suite 600 Rosemont, Illinois 60018 (847) 823-0500	USER NAME = doconnell	DESIGNED - DOC	REVISED -
		DRAWN - DOC	REVISED -
	PLOT SCALE =	CHECKED - GROZ	REVISED -
	PLOT DATE = 8/28/2018	DATE - 9/29/2017	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS

SCALE: 20H 5V | SHEET 2 OF 2 SHEETS | STA. 13+25.00 TO STA. 14+00.00

MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2315	14-00112-00-BR	COOK	46	46
		CONTRACT NO. 61E44		
	ILLINOIS FED. AID PROJECT			

\\CBBELSRVR1\cbbeldft\ROLLINGMEADOWS\980361.BR's\BR100's\98361BR180\Civil\XSEC_98361BR180.02.SHT