01-30-15 LETTING ITEM 058

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6621	09-00344-00-BR	PEORIA	44	1
	ILLINOIS	CONTRACT NO.	89657	

INDEX OF SHEETS

1. COVER
2. GENERAL NOTES AND LEGEND
3. SUMMARY OF QUANTITIES
4.-5. TYPICAL SECTIONS
6. SCHEDULE OF QUANTITIES
7. ALIGNMENT, BENCHMARKS, AND TIES
8. MAINTENANCE OF TRAFFIC
9. REMOVAL PLAN
10. PLAN & PROFILE
11. EROSION CONTROL PLAN
12. DRAINAGE PLANS
13. RIGHT OF WAY PLANS
14. INTERSECTION DETAIL
15. ENTRANCE DETAIL
16.-35. STRUCTURE PLANS
36.-40. CROSS SECTIONS
41.-44. DISTRICT 4 STANDARD DETAILS

LIST OF STANDARDS

000001-06	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
420401-11	BRIDGE APPROACH PAVEMENT CONNECTOR
424016-02	MID-BLOCK CURB RAMPS FOR SIDEWALKS
515001-03	NAME PLATES FOR BRIDGES
601101-01	CONCRETE HEADWALL FOR PIPE DRAIN
701311-03	LANE CLOSURE 2L, 2W MOVING OPERATIONS-DAY ONLY
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701801-05	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-04	TRAFFIC CONTROL DEVICES
728001-01	TELESCOPING STEEL SIGN SUPPORT
720001-01	SIGN PANEL MOUNTING DETAIL
720006-04	SIGN PANEL ERECTION DETAILS
780001-05	TYPICAL PAVEMENT MARKINGS
BLR 22-7	TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION ON RURAL LOCAL HIGHWAYS

DISTRICT 4

602001-D4	INLETS, TYPE G-1
602021-D4	INLET-MANHOLE, TYPE G-1
780001-D4	TYPICAL PAVEMENT MARKING

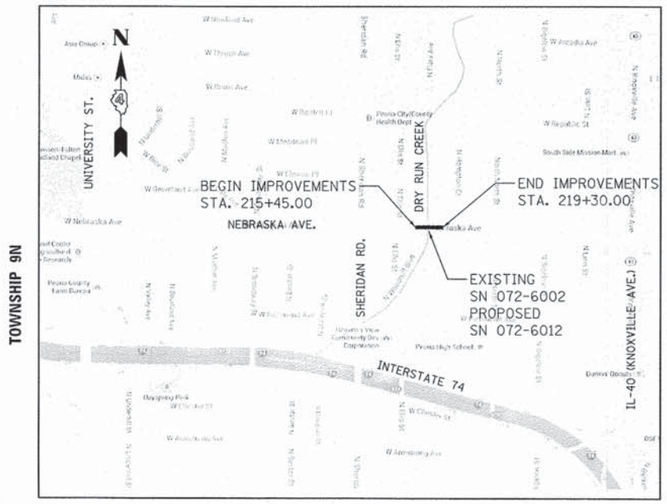
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PLANS FOR PROPOSED BRIDGE REPLACEMENT

NEBRASKA AVENUE (FAU 6621)
SECTION 09-00344-00-BR
CITY OF PEORIA
PEORIA COUNTY
JOB C-94-042-14
PROJECT BRM-5093(170)
STP - BRIDGE

LOCATION OF SECTION INDICATED THUS:- ▬

RANGE 8E



TOWNSHIP 9N

SECTION 4/33

GROSS LENGTH = 385.00 FT. = 0.07 MILE
NET LENGTH = 329.00 FT. = 0.06 MILE

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

0 5' 10' 15' — 1"= 5'

0 10' 20' 30' — 1"= 10'

0 50' 100' — 1"= 40'

50' 100' — 1"= 20'

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

ADT (2012) = 4500, ADT (2035) = 5012, SU=0%, MU=4%
HIGHWAY CLASS: II
FUNCTIONAL CLASSIFICATION: ARTERIAL
DESIGN SPEED: 30 MPH
POSTED SPEED LIMIT: 30 MPH
DESIGN POLICY: BLR MANUAL - URBAN

CONTRACT NO. #89657
CATALOG NO. 035056-00

LICENSED PROFESSIONAL ENGINEER
MATTHEW C. DAWSON
062-057939
STATE OF ILLINOIS

DATE SIGNED : 8/5/14

LIC. EXP. DATE : 11/30/2015

DATE: 8/5/2014

HANSON
Hanson Professional Services Inc.
7625 N. University St., Suite 200
Peoria, Illinois 61614
Offices Nationwide

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

APPROVED August 4 20 14
CITY ENGINEER

PASSED August 18th 20 14
DISTRICT FOUR ENGINEER OF LOCAL ROADS & STREETS

Releasing For Bid Based on Limited Review August 19 20 14
DEPUTY DIRECTOR OF HIGHWAYS, REGION THREE ENGINEER

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES

1. THE CONSTRUCTION SHALL BE GOVERNED BY THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION IN ILLINOIS", 2012 EDITION AND "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS", 2014 EDITION.
2. ALL REFERENCES TO THE "DEPARTMENT" OR "ENGINEER" IN THE I.D.O.T. STANDARD SPECIFICATIONS SHALL BE CONSTRUED TO MEAN THE OWNER OR HIS AGENT AS APPROPRIATE.
3. WHERE SECTION, SUB-SECTION, SUBDIVISION, OR PROPERTY MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND PRESERVE ALL PROPERTY MARKERS UNTIL AN OWNER OR AUTHORIZED SURVEYOR HAS WITNESSED OR REFERENCED THEIR LOCATION.
4. THE CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS PRIOR TO CONSTRUCTION AND NOTIFY THE ENGINEER OF ANY DISCREPANCY IMMEDIATELY.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRS TO ANY UTILITY LINES AND EXISTING IMPROVEMENTS TO REMAIN THAT ARE DAMAGED AS A RESULT OF THE WORK.
6. ALL SECTIONS, DETAILS AND NOTES SHOWN ON THE DRAWINGS ARE INTENDED TO BE TYPICAL AND SHALL APPLY TO SIMILAR SITUATIONS ELSEWHERE, UNLESS OTHERWISE SHOWN.
7. ALL THE ELEVATIONS, STATIONS, AND OFFSETS SHOWN ON THE PLANS SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION.
8. ALL PAVEMENT REMOVALS SHALL BE FULL DEPTH SAW CUT AT THE LIMITS TO BE REMOVED. THE COST OF THE SAW CUT IS INCLUDED IN PAVEMENT REMOVAL.
9. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS.
10. EXCESS MATERIAL, IF NOT USED FOR OTHER ON-SITE PURPOSES, SHALL BE HAULED OFF-SITE AT CONTRACTOR'S EXPENSE.
11. THE WORK AREA SHALL BE POSITIVELY DRAINED DURING CONSTRUCTION. FINAL GRADES SHALL BE PROTECTED AGAINST DAMAGE FROM EROSION, SEDIMENTATION, AND TRAFFIC.
12. APPLICATION RATES:

    NUTRIENTS: 60 LB/ACRE (SODDING)

13. THE CONTRACTOR SHALL USE ANY ON SITE MATERIAL DEEMED SUITABLE BY THE ENGINEER BEFORE ANY NEW FILL IS HAULED TO THE SITE.
14. CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL EXISTING UNDERGROUND UTILITIES PRIOR TO EXCAVATION.
15. CONTRACTORS BIDDING THIS PROJECT SHALL VISIT THE SITE BEFORE BIDDING.

UTILITIES

AMEREN (ELECTRIC)
8420 N. UNIVERSITY ST.
PEORIA, IL 61615
ATTN: JON REICK
309.693.4697

AMEREN (GAS)
8420 N. UNIVERSITY ST.
PEORIA, IL 61615
ATTN: KENT KOWALSKI
309.264.5575

AT&T
2315 N. KNOXVILLE AVE
PEORIA, IL 61604
ATTN: DORIAN KENNEDY
309.686.3316

GPSD
2322 S. DARST STREET
PEORIA, IL 61607-2093
ATTN: JAMES SLOAN
309.678.9046
ATTN: JOHN BOYLE
309.678.9035

COMCAST
3517 N. DRIES LANE
PEORIA, IL 61604
ATTN: KIRK KROMPHARDT
309.686.2677

WINDSTREAM
102 E. SHAFER ST.
FORSYTH, IL 62535
ATTN: DAVID FEREIRA
309.253.0930

ILLINOIS AMERICAN WATER COMPANY
123 S.W. WASHINGTON ST.
PEORIA, IL 61602
ATTN: MATT WHITE
309.208.8366

IDOT DISTRICT 4 GENERAL NOTES

107.00 COMMITMENTS

COMMITMENTS ARE NOT TO BE ALTERED WITHOUT THE WRITTEN APPROVAL OF ALL PARTIES TO WHICH THE COMMITMENT WAS MADE.

107.09 PROPERTY OWNER ACCESS REQUIREMENT

ACCESS MUST BE MAINTAINED TO ALL EXISTING PROPERTIES DURING CONSTRUCTION PER ARTICLE 107.09 UNLESS ARRANGEMENTS ARE MADE IN WRITING BY THE CONTRACTOR WITH THE PROPERTY OWNERS WITH A COPY TO THE ENGINEER FOR SHORT-TERM CLOSURES.

201.04 TREE REMOVAL

THE DISTRICT FOUR TREE COMMITTEE SHOULD BE CONTACTED AND PRIOR APPROVAL OBTAINED FOR ANY TREE REMOVAL BEYOND THE LIMITS/LOCATIONS INCLUDED IN THE PLANS.

204.00 ENVIRONMENTAL REVIEWS

PRIOR TO THE USE OF ANY PROPOSED BORROW AREAS, USE AREAS (TEMPORARY ACCESS ROADS, DETOURS, RUN-AROUNDS, ETC.) AND/OR WASTE AREAS, THE CONTRACTOR SHALL FILE THE REQUIRED ENVIRONMENTAL RESOURCE REQUEST SURVEYS ACCORDING TO SECTION 107.22 OF THE STANDARD SPECIFICATIONS. THESE SURVEYS ARE REQUIRED IN ORDER FOR THE DEPARTMENT TO CONDUCT CULTURAL AND BIOLOGICAL RESOURCE SURVEYS FOR THE PROPOSED SITE.

THE REQUIRED ENVIRONMENTAL RESOURCE DOCUMENTATION SHALL INCLUDE THE FOLLOWING:

- BDE FORM 2289 (CULTURAL AND NATURAL RESOURCES REVIEW OF BORROW AREAS)
- BDE FORM 2290 (WASTE/USE AREA REVIEW)
- A LOCATION MAP SHOWING THE SIZE LIMITS AND LOCATION OF THE USE AREA
- COLOR PHOTOGRAPHS DEPICTING THE USE AREA
- BORROW AREA ENTRY AGREEMENT FORM - D4 PI0101

PRIOR TO ANY WASTE MATERIALS BEING REMOVED FROM THE CONSTRUCTION SITE THE REQUIRED ENVIRONMENTAL RESOURCE SURVEYS SHALL BE OBTAINED AND FILED BY THE CONTRACTOR. EXCESS WASTE PRODUCTS REMOVED FROM THE CONSTRUCTION SITE SHALL BE DISPOSED OF AS REQUIRED IN SECTION 202.03 OF THE STANDARD SPECIFICATIONS.

ANY PROTRUDING METAL BARS SHALL BE REMOVED PRIOR TO THE DISPOSAL OF BROKEN CONCRETE AT APPROVED DISPOSAL SITES.

PLEASE NOTE THAT A MINIMUM OF FOUR WEEKS SHALL BE ALLOWED FOR THE DISTRICT TO OBTAIN THE REQUIRED WASTE SITE ENVIRONMENTAL CLEARANCES AND SIX WEEKS FOR THE REQUIRED BORROW SITE ENVIRONMENTAL CLEARANCES.

205.01 SEEDING - SIDESLOPE RIPPING

ALL SLOPES STEEPER THAN 3 TO 1 AND OVER 15 FT. (4.5 M) IN HEIGHT SHALL BE RIPPED. THIS SHALL CONSIST OF RIPPING BETWEEN 18 INCHES TO 24 INCHES (450 MM TO 600 MM) DEEP NORMAL TO THE SLOPE. THE INTERVAL OF RIPPING ALONG THE SLOPE SHALL BE 12 FT. (3.6 M). THIS WORK SHALL BE DONE AFTER THE SEED BED HAS BEEN PREPARED BUT BEFORE ANY FERTILIZER OR SEED HAS BEEN APPLIED. THE FERTILIZER AND SEED SHALL BE APPLIED WITHIN A 24-HOUR PERIOD AFTER THE RIPPING HAS BEEN DONE. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE COST OF THE VARIOUS ITEMS OF SEEDING INVOLVED.

542.00 ORDERING LENGTH CONFIRMATION - DRAINAGE ITEMS

THE CONTRACTOR SHALL CONSULT WITH THE ENGINEER IN REGARD TO THE EXACT LENGTH OF THE BOX/PIPE CULVERTS, STORM SEWERS, AND/OR PIPE DRAINS REQUIRED PRIOR TO ORDERING THESE ITEMS.

670.00A ENGINEERS FIELD OFFICE

ADD THE FOLLOWING SENTENCE TO THE END OF PARAGRAPH 670.02 (I) AND 670.04 (E):

ALL OF THE TELEPHONE LINES PROVIDED SHALL HAVE UNPUBLISHED NUMBERS.

720.00 SIGNING

SIGN LOCATIONS MAY VARY FROM THE STATIONS SHOWN ON THE PLANS IN ACCORDANCE WITH DIRECTIONS FROM THE ENGINEER AT THE TIME OF CONSTRUCTION. SIGN LOCATIONS MAY BE ADJUSTED IN THE FIELD TO AVOID ANY FOUND UTILITIES.

ALL WOOD POST LOCATIONS SHALL BE VERIFIED WITH THE BUREAU OF OPERATIONS, TRAFFIC SECTION, BEFORE INSTALLATION.

LEGEND

◎	EXISTING MANHOLE	—G—	GAS
▲	CONTROL POINT	—T—T—	TELEPHONE
⊞	EXISTING TELEPHONE PEDESTAL	—CTV—CTV—	CABLE TELEVISION
→	EXISTING GUY	—FO—FO—	FIBER OPTIC
⊣□	EXISTING POWER POLE	—W—	WATER
◁	EXISTING CULVERT	----------	PIPE CULVERT
⊢	EXISTING SIGN	◄———◄———	PROPOSED STORM SEWER
⊙	EXISTING TREE	◄———◄———	EXISTING STORM SEWER
⊠	EXISTING R.O.W. MARKER	—A—A—	OVERHEAD ELECTRIC
⚐	EXISTING MAILBOX	—x—x—x—x—	FENCE
▬	PROPOSED INLET	——— - - ———	PROPOSED R.O.W.
⊙	PROPOSED MANHOLE	——— ——— ———	EXISTING R.O.W.
⊢	PROPOSED SIGN	⊓⊓⊓⊓⊓⊓⊓⊓	TEMPORARY EASEMENT

UTILITY NOTE

THE LOCATIONS OF THOSE BURIED AND ABOVEGROUND UTILITIES SHOWN ARE APPROXIMATE, ARE SHOWN FOR CONTRACTOR INFORMATIONAL USE ONLY, AND ARE NOT TO BE REFERENCED FOR CONSTRUCTION PURPOSES. THE IMPLIED PRESENCE OR ABSENCE OF UTILITIES IS NOT TO BE CONSTRUED BY THE OWNER, ENGINEER, CONTRACTOR, OR SUBCONTRACTORS TO BE AN ACCURATE AND COMPLETE REPRESENTATION OF UTILITIES THAT MAY OR MAY NOT EXIST ON THE CONSTRUCTION SITE. BURIED AND ABOVEGROUND UTILITY LOCATION, IDENTIFICATION, AND MARKING ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. REROUTING, DISCONNECTION, PROTECTION, ETC. OF ANY UTILITIES MUST BE COORDINATED AMONG THE CONTRACTOR, UTILITY COMPANY, AND OWNER. SITE SAFETY, INCLUDING THE AVOIDANCE OF HAZARDS, ASSOCIATED WITH BURIED AND ABOVEGROUND UTILITIES REMAIN THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

LAYOUT	MGD
DRAWN	RLA
REVIEWED	CAL

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

NEBRASKA AVENUE
GENERAL NOTES

SCALE: N/A | SHEET | OF | SHEETS | STA. | TO STA.

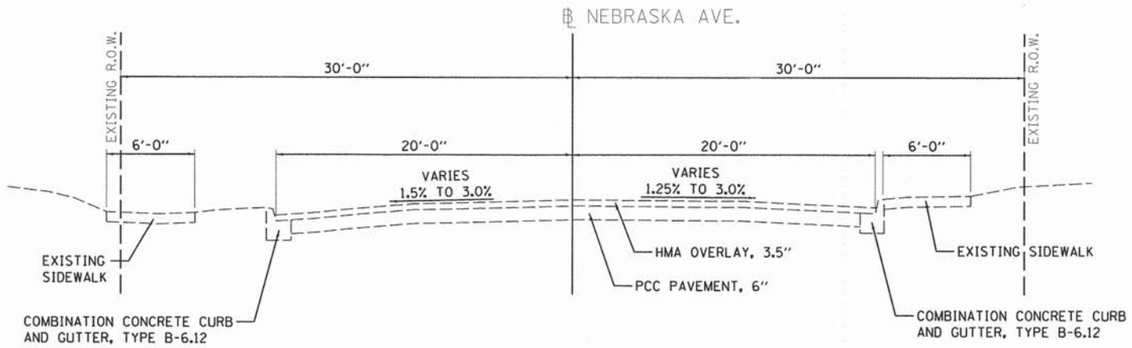
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6621	09-00344-00-BR	PEORIA	44	2
		CONTRACT NO.89657		
	ILLINOIS FED. AID PROJECT	BRM-5093(170)		

SUMMARY OF QUANTITIES			
ITEM NUMBER	ITEM	UNIT	QUANTITY
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	46
20101100	TREE TRUNK PROTECTION	EACH	4
20200100	EARTH EXCAVATION	CU YD	444
20300100	CHANNEL EXCAVATION	CU YD	95
21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	429
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	6
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	6
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	6
25200100	SODDING	SQ YD	429
25200200	SUPPLEMENTAL WATERING	UNIT	9
28000510	INLET FILTERS	EACH	9
28000400	PERIMETER EROSION BARRIER	FOOT	214
28100109	STONE RIPRAP, CLASS A5	SQ YD	446
28200200	FILTER FABRIC	SQ YD	446
31100100	SUBBASE GRANULAR MATERIAL, TYPE A	TON	975
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	281
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	1860
40600285	POLYMERIZED BITUMINOUS MATERIALS (PRIME COAT)	POUND	499
40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	192
40603230	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	168
40603510	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	129
42001300	PROTECTIVE COAT	SQ YD	658
42001430	BRIDGE APPROACH PAVEMENT CONNECTOR (FLEXIBLE)	SQ YD	114
42300200	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH	SQ YD	149
42400100	PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	SQ FT	3251
42400800	DETECTABLE WARNINGS	SQ FT	19
44000100	PAVEMENT REMOVAL	SQ YD	1250
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	183
44000300	CURB REMOVAL	FOOT	607
44000600	SIDEWALK REMOVAL	SQ FT	2307
44004000	PAVED DITCH REMOVAL	FOOT	23
50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1
50200100	STRUCTURE EXCAVATION	CU YD	522
50300225	CONCRETE STRUCTURES	CU YD	116.4
50300255	CONCRETE SUPERSTRUCTURE	CU YD	296.2

•SPECIALTY ITEMS

SUMMARY OF QUANTITIES				
	ITEM NUMBER	ITEM	UNIT	QUANTITY
	50300260	BRIDGE DECK GROOVING	SQ YD	469
	50300300	PROTECTIVE COAT	SQ YD	756
	50400805	FURNISHING AND ERECTING PRECAST PRESTRESSED CONCRETE I-BEAMS, 36 IN.	FOOT	427
	50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	69540
*	50900105	ALUMINUM RAILING, TYPE L	FOOT	104
	51200957	FURNISHING METAL SHELL PILES 12" X 0.250"	FOOT	710
	51202305	DRIVING PILES	FOOT	710
	51203200	TEST PILE METAL SHELLS	EACH	2
	51500100	NAME PLATES	EACH	1
	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	36
	55100500	STORM SEWER REMOVAL 12"	FOOT	170
	59100100	GEOCOMPOSITE WALL DRAIN	SQ YD	113
	59300100	CONTROLLED LOW-STRENGTH MATERIAL	CU YD	56
	60235700	INLETS, TYPE A, TYPE 3 FRAME AND GRATE	EACH	1
	60255800	MANHOLES TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID	EACH	2
	60500040	REMOVING MANHOLES	EACH	1
	60604400	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18	FOOT	528
	60500060	REMOVING INLETS	EACH	4
	67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	6
	67100100	MOBILIZATION	L SUM	1
	72000100	SIGN PANEL - TYPE 1	SQ FT	6.5
	72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	13
*	78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	770
*	78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	45
*	78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	11
	X5860110	GRANULAR BACKFILL FOR STRUCTURES	CU YD	246
	X6020082	INLETS, TYPE G-1	EACH	7
	X6021814	INLET-MANHOLE, TYPE G-1, 4' DIAMETER	EACH	1
	X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1
	Z0013798	CONSTRUCTION LAYOUT	L SUM	1
	Z0016702	DETOUR SIGNING	L SUM	1
	Z0046304	PIPE UNDERDRAINS FOR STRUCTURES 4"	FOOT	223
	Z0056608	STORM SEWER (WATER MAIN REQUIREMENTS) 12 INCH	FOOT	216
	Z0056610	STORM SEWER (WATER MAIN REQUIREMENTS) 15 INCH	FOOT	110

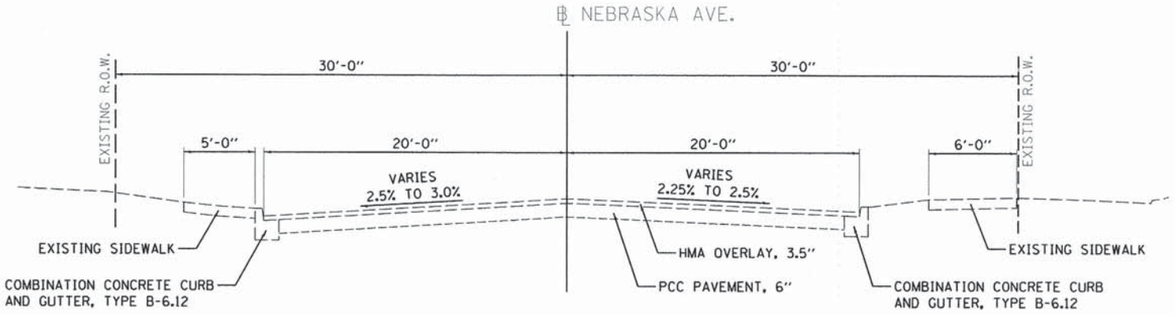
•SPECIALTY ITEMS



NEBRASKA AVE. EXISTING TYPICAL SECTION

STA. 217+46.18 TO STA. 219+30.00

BRIDGE OMISSION
216+71.22 TO 217+46.18



NEBRASKA AVE. EXISTING TYPICAL SECTION

STA. 215+45.00 TO STA. 216+71.22

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DRAWN	RLA
REVIEWED	CAL

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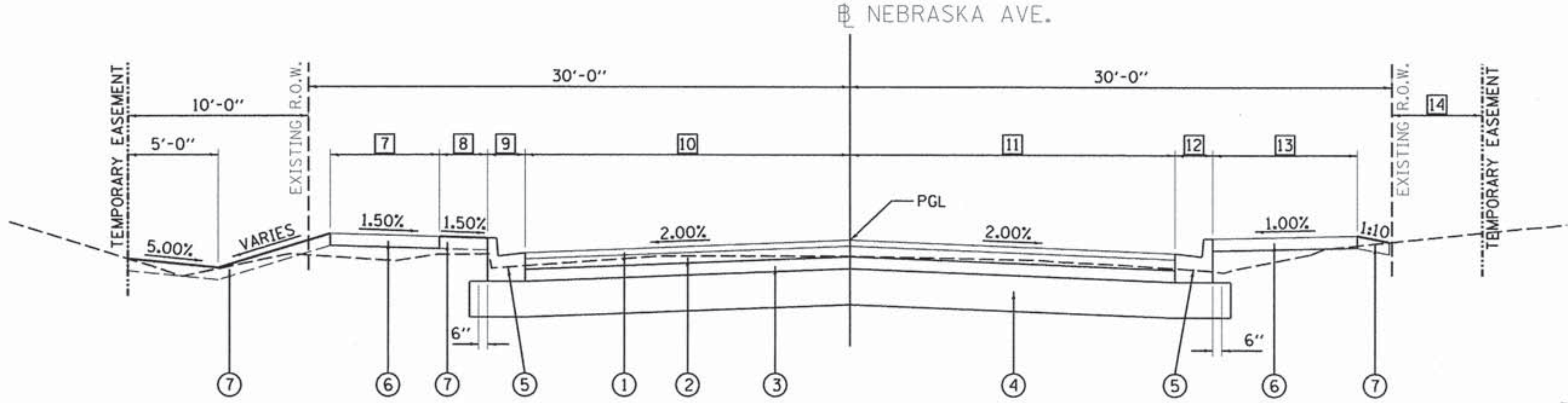
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

NEBRASKA AVENUE
EXISTING TYPICAL SECTIONS

SCALE: N/A | SHEET OF SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6621	09-00344-00-BR	PEORIA	44	4
		CONTRACT NO.89657		
	ILLINOIS FED. AID PROJECT	BRM-5093(170)		

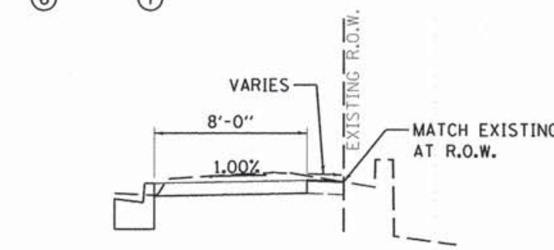


NEBRASKA AVE. PROPOSED TYPICAL SECTION

STA. 217+56.00 TO STA. 219+30.00

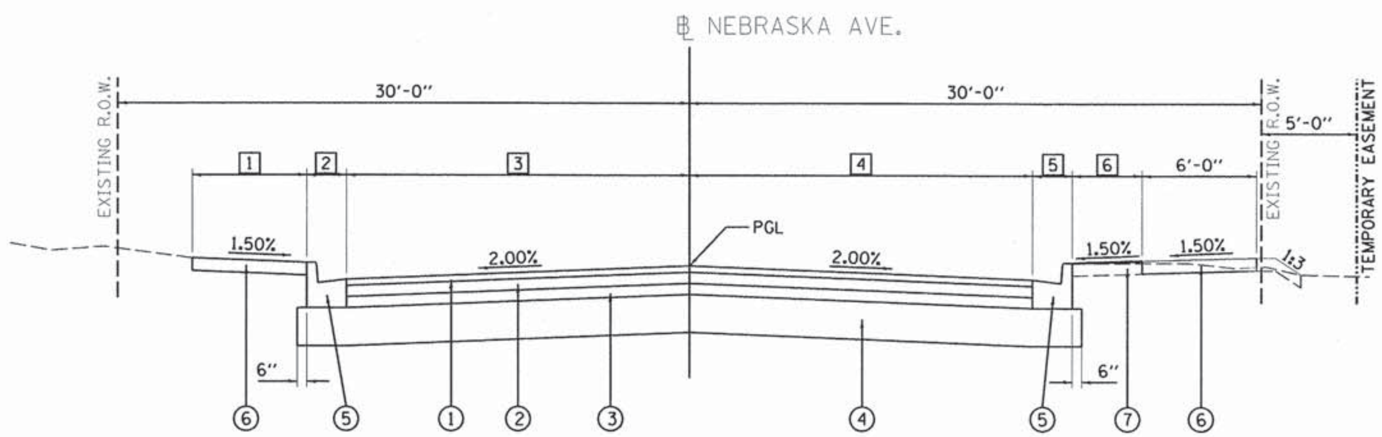
BRIDGE OMISSION
216+52.00 TO 217+56.00

INTERSECTION OMISSION
216+19.75 (LT) TO 216+52.00
216+52.00 (RT) TO 216+52.00



GRADING ADJACENT TO TRACK DETAIL

STA. 218+35.00 TO STA. 219+30.00



NEBRASKA AVE. PROPOSED TYPICAL SECTION

STA. 215+45.00 TO STA. 216+19.75 (LT)/216+52.00 (RT)

LEGEND

1. POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50, 2"
2. POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 3.5"
3. HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 4"
4. SUBBASE GRANULAR MATERIAL, TYPE A, 12"
5. COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18
6. PCC SIDEWALK, 4"
7. TOPSOIL FURNISH AND PLACE, 4"

NOTES:

1. FULL DEPTH PAVEMENT REPLACEMENT BEGINS AT STA. 215+75.00 AND ENDS AT STA. 219+00.00 SEE PLAN & PROFILE SHEET AND CROSS SECTIONS FOR PAVEMENT CONSTRUCTION IN BUTT-JOINT AREAS.

[1] SIDEWALK WIDTH - LEFT
STA. 215+45.00 TO STA. 215+75.00 = TRANSITIONS FROM 4'-6" TO 6'-0"
STA. 215+75.00 TO STA. 216+19.75 = 6'-0"

[2] CURB AND GUTTER WIDTH - LEFT
STA. 215+45.00 TO STA. 215+75.00 = TRANSITIONS FROM 0'-10" TO 2'-1"
STA. 215+75.00 TO STA. 216+19.75 = 2'-1"

[3] LANE WIDTH - LEFT
STA. 215+45.00 TO STA. 215+75.00 = TRANSITIONS FROM 20'-2" TO 18'-0"
STA. 215+75.00 TO STA. 216+19.75 = 18'-0"

[4] LANE WIDTH - RIGHT
STA. 215+45.00 TO STA. 215+75.00 = TRANSITIONS FROM 19'-5" TO 18'-0"
STA. 215+75.00 TO STA. 216+52.00 = 18'-0"

[5] CURB AND GUTTER WIDTH - RIGHT
STA. 215+45.00 TO STA. 215+75.00 = TRANSITIONS FROM 0'-10" TO 2'-1"
STA. 215+75.00 TO STA. 216+52.00 = 2'-1"

[6] TOPSOIL WIDTH - RIGHT
STA. 215+45.00 TO STA. 216+17.59 = 3'-8"
STA. 216+17.59 TO STA. 216+33.19 = TRANSITIONS FROM 3'-8" TO 1'-6"
STA. 216+33.19 TO STA. 216+52.00 = 0'-0"

[7] SIDEWALK WIDTH - LEFT
STA. 217+56.00 TO STA. 219+18.00 = 6'-0"
STA. 219+18.00 TO STA. 219+30.00 = TRANSITIONS FROM 6'-0" TO 5'-10"

[8] TOPSOIL WIDTH - LEFT
STA. 217+56.00 TO STA. 218+19.48 = 0'-0"
STA. 218+19.48 TO STA. 218+33.00 = TRANSITIONS FROM 0'-0" TO 3'-8"
STA. 218+33.00 TO STA. 219+00.00 = 3'-8"
STA. 219+00.00 TO STA. 219+30.00 = TRANSITIONS FROM 3'-8" TO 4'-10"

[9] CURB AND GUTTER WIDTH - LEFT
STA. 217+56.00 TO STA. 219+00.00 = 2'-1"
STA. 219+00.00 TO STA. 219+30.00 = TRANSITIONS FROM 2'-1" TO 0'-6"

[10] LANE WIDTH - LEFT
STA. 217+56.00 TO STA. 219+00.00 = 18"-0"
STA. 219+00.00 TO STA. 219+30.00 = TRANSITIONS FROM 18'-0" TO 19'-4"

[11] LANE WIDTH - RIGHT
STA. 217+56.00 TO STA. 219+00.00 = 18"-0"
STA. 219+00.00 TO STA. 219+30.00 = TRANSITIONS FROM 18'-0" TO 20'-2"

[12] CURB AND GUTTER WIDTH - RIGHT
STA. 217+56.00 TO STA. 219+00.00 = 2'-1"
STA. 219+00.00 TO STA. 219+30.00 = TRANSITIONS FROM 2'-1" TO 0'-7"

[13] SIDEWALK WIDTH - RIGHT
STA. 217+56.00 TO STA. 217+61.00 = TRANSITIONS FROM 6'-0" TO 8'-0"
STA. 217+61.00 TO STA. 219+00.00 = 8'-0"
STA. 219+00.00 TO STA. 219+30.00 = TRANSITIONS FROM 8'-0" TO 6'-0"

[14] TEMPORARY EASEMENT - RIGHT
STA. 217+56.00 TO STA. 218+36.27 = 10'-0"
STA. 218+36.27 TO STA. 219+30.00 = 0'-0"

BITUMINOUS MIXTURE REQUIREMENTS

THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT:

MIXTURE USE(S):	POLYMERIZED SURFACE COURSE	POLYMERIZED TOP BINDER COURSE	LOWER BINDER COURSE
AC/PG:	SBS OR SBR 64-28	SBS OR SBR 64-28	PG 64-22
RAP%+RAS% (MAX.):	10%	10%	25%
DESIGN AIR VOIDS:	4.0% @ N-50	4.0% @ N-50	4.0% @ N-50
MIXTURE COMPOSITION: (GRADATION MIXTURE)	IL 9.5 OR IL 12.5	IL 19.0	IL 19.0
FRICTION AGGREGATE:	MIXTURE C	N/A	N/A
MIXTURE WEIGHT:	116 LB/SQ YD/IN	116 LB/SQ YD/IN	116 LB/SQ YD/IN
THICKNESS:	2.0 IN	3.5 IN	4.0 IN

NOTES: INDIVIDUAL LIFT THICKNESS OF EACH MIX TYPE WILL BE NO LESS THAN THREE (3) TIMES NOMINAL MAXIMUM AGGREGATE SIZE AND NO MORE THAN 6 TIMES NOMINAL MAXIMUM AGGREGATE SIZE.

STRUCTURAL DESIGN TRAFFIC: YEAR 2025 ADT 4783
PV = 96% SU = 0% MU = 4%
ROAD/STREET CLASSIFICATION: CLASS II
PERCENTAGE OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE
P = 100% S = 100% M = 100%
TRAFFIC FACTOR: ACTUAL TF = 0.74 AC TYPE = 20
MINIMUM TF = 0.25
PC GRADE: Binder= PG 64-22 Surface= PG 64-28
SUBGRADE SUPPORT RATING:
SSR = POOR (STA. 215+45.00 TO 219+30.00)
SSR = ______ (STA. ______ TO ______)

LAYOUT	DRAWN	REVIEWED
MGD	RLA	CAL

FILE NAME =	USER NAME = ander00846	DESIGNED - MGD	REVISED -
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Default	PLOT DATE = 08\04\2014	DATE - 7/31/2014	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

NEBRASKA AVENUE
PROPOSED TYPICAL SECTIONS

SCALE: N/A | SHEET OF SHEETS | STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6621	09-00344-00-BR	PEORIA	44	5
		CONTRACT NO.89657		
		ILLINOIS FED. AID PROJECT	BRM-5093(170)	

HANSON
Hanson Professional Services Inc.

PAVEMENT AND CURB AND GUTTER SCHEDULE

LOCATION		31100100	40600275	40600285	40603080	40603230	40603510	42001300	42001430	60604400
		SUB BASE GRANULAR MATERIAL, TYPE A	BITUMINOUS MATERIALS (PRIME COAT)	POLYMERIZED BITUMINOUS MATERIALS (PRIME COAT)	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	PROTECTIVE COAT	BRIDGE APPROACH PAVEMENT CONNECTOR (FLEXIBLE)	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18
BEGIN STATION	END STATION	TON	POUND	POUND	TON	TON	TON	SQ YD	SQ YD	FOOT
WEST OF BRIDGE										
215+45.00	216+71.25	398	623.5	127	64.5	56	50	59	90	212
EAST OF BRIDGE										
217+36.25	219+30.00	559	1236.5	372	127.5	112	79	88	24	316
TOTAL		957	1860	499	192	168	129	147	114	528

DRIVEWAY AND SIDEWALK SCHEDULE

LOCATION		31100100	42001300	42300200	42400100	42400800
		SUBBASE GRANULAR MATERIAL, TYPE A	PROTECTIVE COAT	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH	PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	DETECTABLE WARNINGS
BEGIN STATION	END STATION	TON	SQ YD	SQ YD	SQ FT	SQ FT
WEST OF BRIDGE						
215+45.00	216+71.25	3	171	23	1329	19
EAST OF BRIDGE						
217+36.25	219+30.00	15	340	126	1922	0
TOTAL		18	511	149	3251	19
FROM PAVEMENT AND C&G SCHEDULE		957	147			
TOTAL		975	658			

PAVEMENT MARKING SCHEDULE

LOCATION		78000200	78000500	78000600
		THERMOPLASTIC PAVEMENT MARKING - LINE 4"	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	THERMOPLASTIC PAVEMENT MARKING - LINE 12"
BEGIN STATION	END STATION	FOOT	FOOT	FOOT
WEST OF BRIDGE				
215+45.00	216+71.25	252.5	45	11
ON BRIDGE				
216+71.25	217+36.25	130.0	0	0
EAST OF BRIDGE				
217+36.25	219+30.00	387.5	0	0
TOTAL		770	45	11

SIGN AND POST SCHEDULE

LOCATION			SIGN PANEL	72000100	72800100
				SIGN PANEL - TYPE 1	TELESCOPING STEEL SIGN SUPPORT
STATION	OFFSET	LT/RT		SQ FT	FEET
216+35.63	46.08	LT	R1-1	6.5	13
TOTAL				6.5	13

PERIMETER EROSION BARRIER SCHEDULE

LOCATION			28000400
			PERIMETER EROSION BARRIER
BEGIN STATION	END STATION	LT/RT	FEET
215+45.00	216+80.92	RT	139.0
216+69.45	216+81.00	LT	27.0
217+37.06	217+70.28	RT	33.5
217+37.02	217+42.87	LT	14.5
TOTAL			214

REMOVAL SCHEDULE

LOCATION		40600982	44000100	44000200	44000500	44000600	44004000	55100500
		HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	PAVEMENT REMOVAL	DRIVEWAY PAVEMENT REMOVAL	COMBINATON CURB AND GUTTER REMOVAL	SIDEWALK REMOVAL	PAVED DITCH REMOVAL	STORM SEWER REMOVAL, 12"
BEGIN STATION	END STATION	SQ YD	SQ YD	SQ YD	FOOT	SQ FT	SQ FT	SQ FT
WEST OF BRIDGE								
215+45.00	216+71.25	155	575	22	232	794	23	170
EAST OF BRIDGE								
217+36.25	219+30.00	126	675	161	375	1513	0	0
TOTAL		281	1250	183	607	2307	23	170

INLET & MANHOLE REMOVAL/ADJUSTMENT SCHEDULE

LOCATION			60255800	60500040	60500060
			MANHOLES TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID	REMOVING MANHOLES	REMOVING INLETS
STATION	OFFSET	LT/RT	EACH	EACH	EACH
215+78.72	1.42	RT	1		
215+79.12	19.82	RT			1
215+79.40	20.36	LT			1
216+53.60	10.61	RT		1	
217+55.11	19.95	RT			1
217+59.58	19.98	LT			1
217+75±	20.00	RT	1		
TOTAL			2	1	4

INLET PROTECTION SCHEDULE

LOCATION			28000510
			INLET FILTERS
STATION	OFFSET	LT/RT	EACH
215+80.00	18.83	LT	1
215+80.00	18.83	RT	1
216+18.50	18.83	RT	1
216+37.95	27.13	LT	1
216+40.00	18.83	RT	1
216+68.00	50.16	LT	1
217+65.50	18.83	LT	1
217+65.50	18.83	RT	1
218+90.00	18.83	RT	1
TOTAL			9

TREE REMOVAL AND PROTECTION SCHEDULE

LOCATION			20100110	20101100
			TREE REMOVAL (6 TO 15 UNITS DIAMETER)	TREE TRUNK PROTECTION
STATION	OFFSET	LT/RT	UNIT	EACH
216+78.25	34.00	LT	6	
216+81.60	42.61	LT	6	
216+83.68	34.36	LT	6	
216+86.11	34.95	LT	6	
216+87.09	39.39	RT	6	
216+92.64	40.86	LT	6	
217+33.47	38.62	LT	10	
217+36.06	43.38	LT		1
217+36.99	41.97	LT		1
218+00.82	37.85	LT		1
218+57.55	38.50	LT		1
TOTAL			46	4

LANDSCAPE SCHEDULE

LOCATION		21101615	25000400	25000500	25000600	25200100	25200200
		TOPSOIL FURNISH AND PLACE, 4"	NITROGEN FERTILIZER NUTRIENT	PHOSPHOROUS FERTILIZER NUTRIENT	POTASSIUM FERTILIZER NUTRIENT	SODDING	SUPPLEMENTAL WATERING
BEGIN STATION	END STATION	SQ YD	POUND	POUND	POUND	SQ YD	UNIT
WEST OF BRIDGE							
215+45.00	216+71.25	127	2	2	2	127	2.7
EAST OF BRIDGE							
217+36.25	219+30.00	302	4	4	4	302	6.3
TOTAL		429	6	6	6	429	9

EARTHWORK SUMMARY

LOCATION		20200100				20300100
		EARTH EXCAVATION	EXCAVATION TO BE USED IN EMBANKMENT ADJUSTED FOR 25% SHRINKAGE	EMBANKMENT	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-)	CHANNEL EXCAVATION
		CU YD	CU YD	CU YD	CU YD	CU YD
WEST OF BRIDGE						
215+45.00	216+82.00	210	158	36	122	0
EAST OF BRIDGE						
217+36.00	219+30.00	234	176	43	133	0
DRY RUN CREEK						95
CONTINGENCY		**0**	**0**	**0**	**0**	**0**
TOTAL		**444**	**334**	**79**	**255**	**95**

LAYOUT	MGD				
DRAWN	RLA				
REVIEWED	CAL				

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

NEBRASKA AVENUE
SCHEDULE OF QUANTITIES

SCALE: N/A | SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6621	09-00344-00-BR	PEORIA	44	6
		CONTRACT NO.89657		
	ILLINOIS FED. AID PROJECT	BRM-5093(170)		

HANSON
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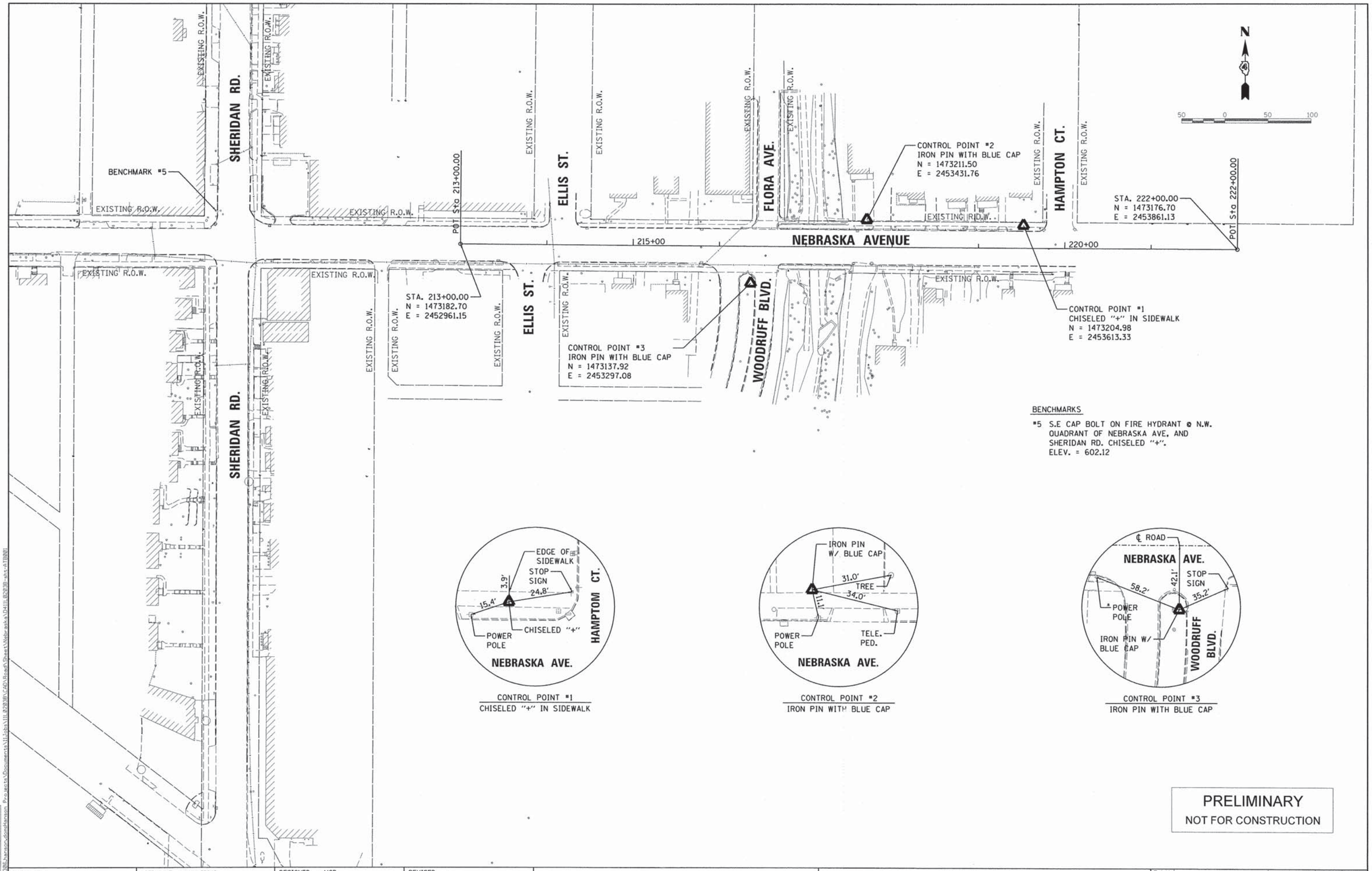

BENCHMARKS

"5 S.E CAP BOLT ON FIRE HYDRANT ⊙ N.W. QUADRANT OF NEBRASKA AVE, AND SHERIDAN RD. CHISELED "+". ELEV. = 602.12

CONTROL POINT "1"
CHISELED "+" IN SIDEWALK

CONTROL POINT "2"
IRON PIN WITH BLUE CAP

CONTROL POINT "3"
IRON PIN WITH BLUE CAP

PRELIMINARY
NOT FOR CONSTRUCTION

LAYOUT	MGD
DRAWN	RLA
REVIEWED	CAL

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Default	PLOT DATE = 08\04\2014	DATE - 7/31/2014	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

NEBRASKA AVENUE
ALIGNMENTS, BENCHMARKS, AND TIES

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6621	09-00344-00-BR	PEORIA	44	7
		CONTRACT NO.89657		
	ILLINOIS	FED. AID PROJECT	BRM-5093(170)	

HANSON
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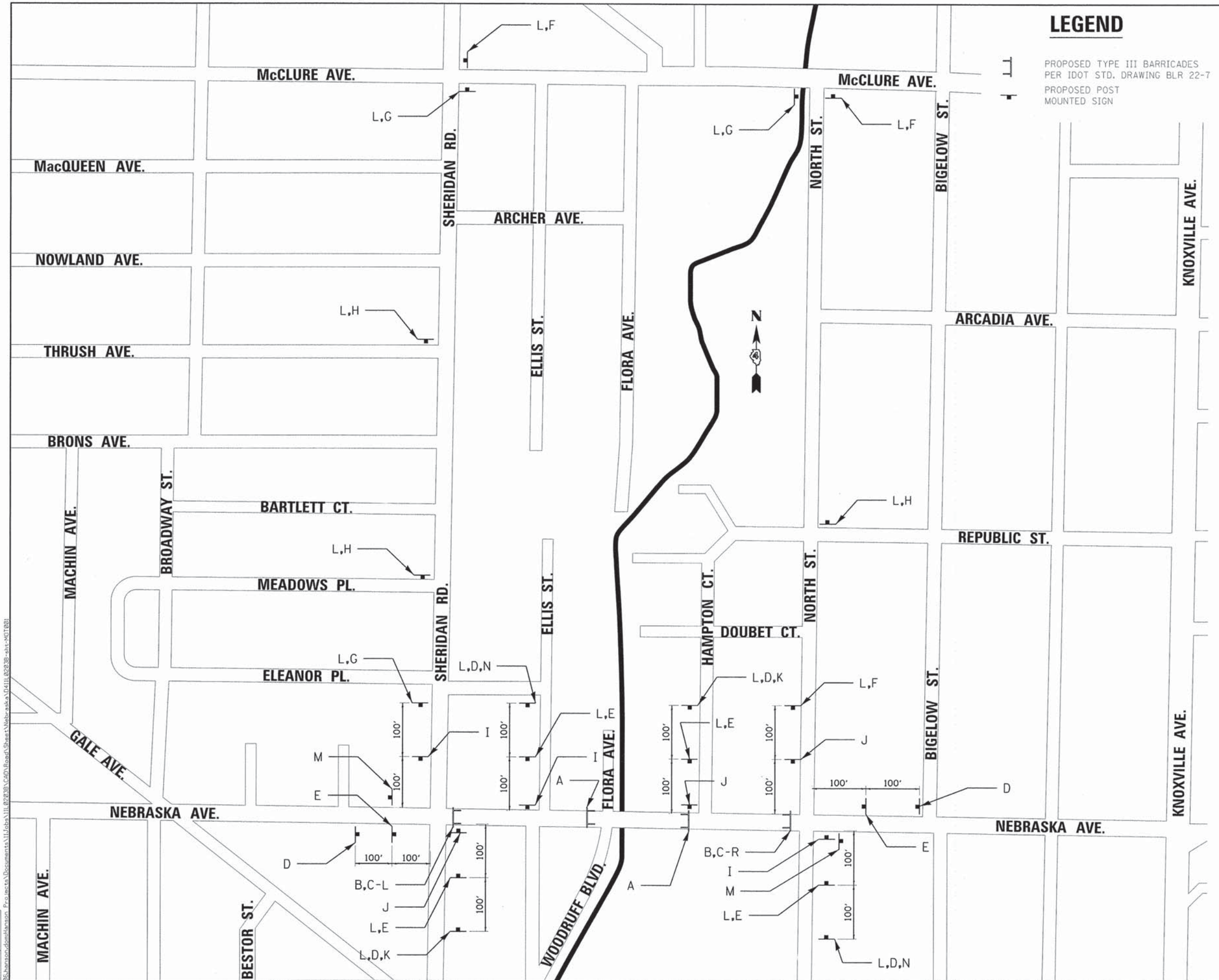

LEGEND

PROPOSED TYPE III BARRICADES PER IDOT STD. DRAWING BLR 22-7

PROPOSED POST MOUNTED SIGN

SIGN LEGEND

A — ROAD CLOSED — R11-2, 48"X30"

B — ROAD CLOSED TO THRU TRAFFIC — R11-4, 60"X30"

C–R — DETOUR — M4-10, 48"X18"

C–L — DETOUR — M4-10, 48"X18"

D — ROAD CLOSED AHEAD — W20-3(0)-48, 48"X48"

E — DETOUR AHEAD — W20-2a, 36"X36"

F — DETOUR — M4-9, 30"X24"

G — DETOUR — M4-9, 30"X24"

H — DETOUR — M4-9, 30"X30"

I

J

K — W16-6P, 24"X18"

L — NEBRASKA AVE — D3-1, 30"X12"

M — END DETOUR — M4-8a, 24"X18"

N — W16-6P, 24"X18"

LAYOUT	MGD	
DRAWN	RLA	
REVIEWED	CAL	

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Default	PLOT DATE = 08\04\2014	DATE - 7/31/2014	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

NEBRASKA AVENUE
MAINTENANCE OF TRAFFIC

SCALE: N/A | SHEET | OF | SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6621	09-00344-00-BR	PEORIA	44	8
		CONTRACT NO.89657		
	ILLINOIS	FED. AID PROJECT	BRM-5093(170)	

HANSON
Hanson Professional Services Inc.

ELLIS ST.

FLORA AVE.

WOODRUFF BLVD.

NEBRASKA AVENUE

EXISTING R.O.W.

REMOVING INLETS

STA. 215+74.99, 30.00' LT
END DRIVEWAY
PAVEMENT REMOVAL

STA. 215+75.00, 20.21' LT
END PAVEMENT
BEGIN HOT-MIX ASPHALT
SURFACE REMOVAL-BUTT JOINT

STA. 215+64.29, 30.00' LT
END DRIVEWAY
PAVEMENT REMOVAL

STA. 215+45.00, 20.48' LT
BEGIN HOT-MIX ASPHALT
SURFACE REMOVAL-BUTT JOINT
BEGIN CURB REMOVAL
BEGIN SIDEWALK REMOVAL

STA. 215+78.72, 1.42' RT.
BEGIN STORM SEWER REMOVAL 12"
MANHOLES TO BE ADJUSTED WITH
NEW TYPE 1 FRAME, CLOSED LID

STA. 215+45.00, 19.81' RT
BEGIN HOT-MIX ASPHALT
SURFACE REMOVAL-BUTT JOINT
BEGIN CURB REMOVAL

STA. 215+45.00, 24.03' RT
BEGIN SIDEWALK REMOVAL

STA. 215+75.00, 19.71' RT
END PAVEMENT
BEGIN HOT-MIX ASPHALT
SURFACE REMOVAL-BUTT JOINT

STA. 215+67.80, 30.00' RT
END DRIVEWAY
PAVEMENT REMOVAL

STA. 215+75.71, 30.00' RT
END DRIVEWAY
PAVEMENT REMOVAL

REMOVING INLETS

STA. 215+92.41, 24.67' RT
END SIDEWALK REMOVAL

STA. 215+97.96, 30.00' RT
END PAVEMENT REMOVAL
END CURB REMOVAL

STA. 216+43.45 59.84' LT
END SIDEWALK REMOVAL
END CURB REMOVAL

STA. 216+42.72, 55.00' LT
END HOT-MIX ASPHALT
SURFACE REMOVAL

STA. 216+44.80, 43.00' LT
END PAVEMENT REMOVAL
BEGIN HOT-MIX ASPHALT
SURFACE REMOVAL

TEMPORARY
EASEMENT

PROPOSED R.O.W.

EXISTING R.O.W.

STA. 216+67.79, 55.17' LT
BEGIN HOT-MIX ASPHALT
SURFACE REMOVAL
BEGIN CURB REMOVAL

STA. 216+67.16, 43.00' LT
END HOT-MIX ASPHALT
SURFACE REMOVAL
BEGIN PAVEMENT REMOVAL

STA. 216+68.01, 25.42' LT
BEGIN CURB REMOVAL

STA. 216+72.87, 32.59' LT
END CURB REMOVAL

PAVED DITCH
REMOVAL, 23 FT.

STA. 216+71.24, 20.04' LT
END PAVEMENT REMOVAL
END CURB REMOVAL

REMOVING MANHOLES

STA. 216+71.34, 20.02' RT
END PAVEMENT REMOVAL
END CURB REMOVAL

TEMPORARY EASEMENT

STA. 216+91.11, 41.17' RT,
END STORM SEWER REMOVAL 12"

STA. 216+67.98, 25.48' RT
BEGIN CURB REMOVAL

STA. 216+66.57, 30.00' RT
END PAVEMENT REMOVAL

STA. 215+45.00, 20.48' LT
BEGIN STORM SEWER REMOVAL 12"

STA. 217+73.73, 30.25' LT
BEGIN PAVEMENT REMOVAL
BEGIN CURB REMOVAL
BEGIN SIDEWALK REMOVAL

STA. 217+59.58, 19.98' LT
END STORM SEWER REMOVAL 12"
REMOVING INLETS

STA. 217+78.12, 25.02' LT
END DRIVEWAY
PAVEMENT REMOVAL

STA. 217+98.45, 24.87' LT
END DRIVEWAY
PAVEMENT REMOVAL

TEMPORARY EASEMENT

STA. 217+46.31, 20.21' RT
BEGIN PAVEMENT REMOVAL
BEGIN CURB REMOVAL
BEGIN SIDEWALK REMOVAL

TEMPORARY
EASEMENT

STA. 218+31.09, 30.00' RT
END DRIVEWAY
PAVEMENT REMOVAL

STA. 218+21.10, 30.00' RT
END DRIVEWAY PAVEMENT REMOVAL

STA. 217+81.00, 30.00' RT
END DRIVEWAY PAVEMENT REMOVAL

MANHOLES TO BE ADJUSTED WITH
NEW TYPE 1 FRAME, CLOSED LID

STA. 217+55.11, 19.95' RT
END STORM SEWER REMOVAL 12"
REMOVING INLETS

STA. 217+53.48, 30.00' RT
END DRIVEWAY PAVEMENT REMOVAL

STA. 217+39.60, 34.79' RT
BEGIN STORM SEWER REMOVAL 12"

STA. 218+38.39, 37.72' LT
END DRIVEWAY
PAVEMENT REMOVAL

STA. 218+50.90, 37.72' LT
END DRIVEWAY
PAVEMENT REMOVAL

STA. 218+86.87, 35.72' LT
END DRIVEWAY PAVEMENT REMOVAL

STA. 218+95.23, 35.72' LT
END DRIVEWAY PAVEMENT REMOVAL

STA. 219+00.00, 19.68' LT
END PAVEMENT REMOVAL
BEGIN HOT-MIX ASPHALT
SURFACE REMOVAL-BUTT JOINT

STA. 219+22.88, 36.83' LT
END DRIVEWAY PAVEMENT REMOVAL

STA. 219+30.82, 36.75' LT
END DRIVEWAY PAVEMENT REMOVAL

STA. 219+35.31, 24.91' LT
END SIDEWALK REMOVAL

STA. 219+37.33, 19.60' LT
END CURB REMOVAL

STA. 219+30.00, 19.65' LT
END HOT-MIX ASPHALT
SURFACE REMOVAL-BUTT JOINT

STA. 219+30.00, 20.27' RT
END HOT-MIX ASPHALT
SURFACE REMOVAL-BUTT JOINT
END CURB REMOVAL
END SIDEWALK REMOVAL

STA. 219+00.00, 20.11' RT
END PAVEMENT REMOVAL
BEGIN HOT-MIX ASPHALT
SURFACE REMOVAL-BUTT JOINT

STA. 218+84.44, 30.00' RT
END DRIVEWAY PAVEMENT REMOVAL

STA. 218+69.53, 30.00' RT
END DRIVEWAY PAVEMENT REMOVAL

214 | 215+00 | 216 | 217 | 218 | 219 | 220+00

TREE REMOVAL		
STATION	OFFSET	6 TO 15 UNITS
216+78.25	34.00' LT.	6
216+81.60	42.61' LT.	6
216+83.68	34.36' LT.	6
216+86.11	34.95' LT.	6
216+87.09	39.39' RT.	6
216+92.64	40.86' LT.	6
217+33.47	38.62' LT.	10

N

20 0 20 40

LEGEND

- PAVEMENT REMOVAL
- SIDEWALK REMOVAL
- DRIVEWAY PAVEMENT REMOVAL
- HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
- STORM SEWER REMOVAL
- CURB REMOVAL
- REMOVING INLETS
- REMOVING MANHOLES
- REMOVING TREES

LAYOUT	
DRAWN	MGD
REVIEWED	RLA
	CAL

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CHECKED - CAL
DATE - 7/31/2014

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

NEBRASKA AVENUE
REMOVAL PLAN

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6621	09-00344-00-BR	PEORIA	44	9

CONTRACT NO.89657
ILLINOIS FED. AID PROJECT BRM-5093(170)

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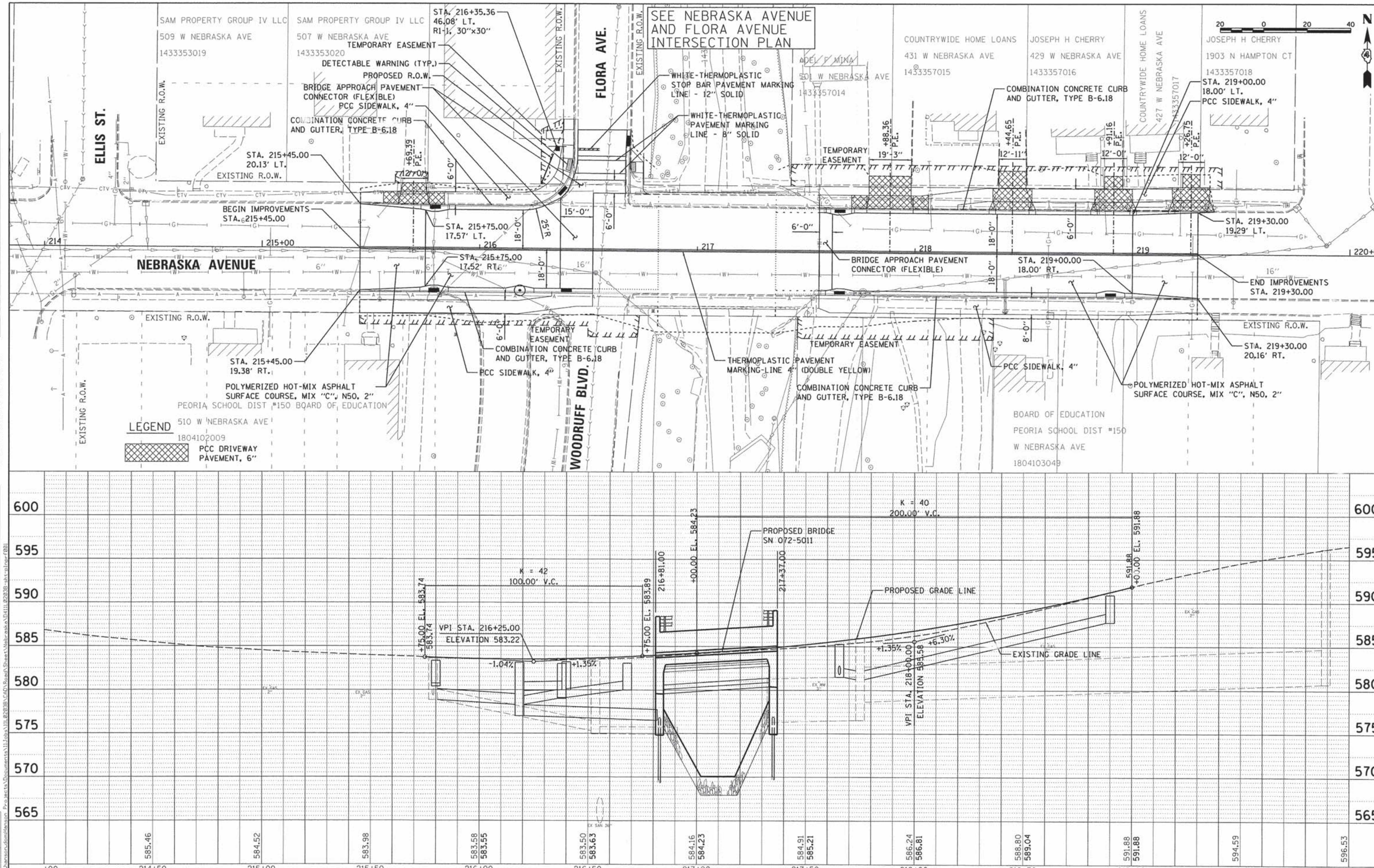
SEE NEBRASKA AVENUE AND FLORA AVENUE INTERSECTION PLAN
SAM PROPERTY GROUP IV LLC
509 W NEBRASKA AVE
1433353019
SAM PROPERTY GROUP IV LLC
507 W NEBRASKA AVE
1433353020
STA. 216+35.36
46.08' LT.
R1-1, 30"x30"
TEMPORARY EASEMENT
DETECTABLE WARNING (TYP.)
PROPOSED R.O.W.
BRIDGE APPROACH PAVEMENT CONNECTOR (FLEXIBLE)
PCC SIDEWALK, 4"
COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18
STA. 215+45.00
20.13' LT.
EXISTING R.O.W.
ELLIS ST.
FLORA AVE.
WHITE-THERMOPLASTIC STOP BAR PAVEMENT MARKING LINE - 12" SOLID
WHITE-THERMOPLASTIC PAVEMENT MARKING LINE - 8" SOLID
ADEL F MINA
501 W NEBRASKA AVE
1433357014
COUNTRYWIDE HOME LOANS
431 W NEBRASKA AVE
1433357015
JOSEPH H CHERRY
429 W NEBRASKA AVE
1433357016
COUNTRYWIDE HOME LOANS
427 W NEBRASKA AVE
1433357017
JOSEPH H CHERRY
1903 N HAMPTON CT
1433357018
STA. 219+00.00
18.00' LT.
PCC SIDEWALK, 4"
COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18
TEMPORARY EASEMENT
BEGIN IMPROVEMENTS
STA. 215+45.00
STA. 215+75.00
17.57' LT.
STA. 215+75.00
17.52' RT.
25'R
15'-0"
NEBRASKA AVENUE
BRIDGE APPROACH PAVEMENT CONNECTOR (FLEXIBLE)
STA. 219+00.00
18.00' RT.
STA. 219+30.00
19.29' LT.
END IMPROVEMENTS
STA. 219+30.00
STA. 219+30.00
20.16' RT.
EXISTING R.O.W.
TEMPORARY EASEMENT
COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18
PCC SIDEWALK, 4"
WOODRUFF BLVD.
STA. 215+45.00
19.38' RT.
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50, 2"
PEORIA SCHOOL DIST #150 BOARD OF EDUCATION
510 W NEBRASKA AVE
1804102009
THERMOPLASTIC PAVEMENT MARKING-LINE 4" (DOUBLE YELLOW)
COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18
PCC SIDEWALK, 4"
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50, 2"
BOARD OF EDUCATION
PEORIA SCHOOL DIST #150
W NEBRASKA AVE
1804103049
LEGEND
PCC DRIVEWAY PAVEMENT, 6"
K = 40
200.00' V.C.
K = 42
100.00' V.C.
PROPOSED BRIDGE
SN 072-5011
PROPOSED GRADE LINE
VPI STA. 216+25.00
ELEVATION 583.22
-1.04%
+1.35%
+1.35%
+6.30%
EXISTING GRADE LINE
VPI STA. 218+00.00
ELEVATION 585.58
+75.00 EL. 583.74
+75.00 EL. 583.89
216+81.00
+00.00 EL. 584.23
217+37.00
+00.00 EL. 591.88
600
595
590
585
580
575
570
565
585.46
584.52
583.98
583.58 583.55
583.50 583.63
584.16 584.23
584.91 585.21
586.24 586.81
588.80 589.04
591.88 591.88
594.59
596.53
+00
214+50
215+00
215+50
216+00
216+50
217+00
217+50
218+00
218+50
219+00
219+50
HPSI

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		DATE - 7/31/2014	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

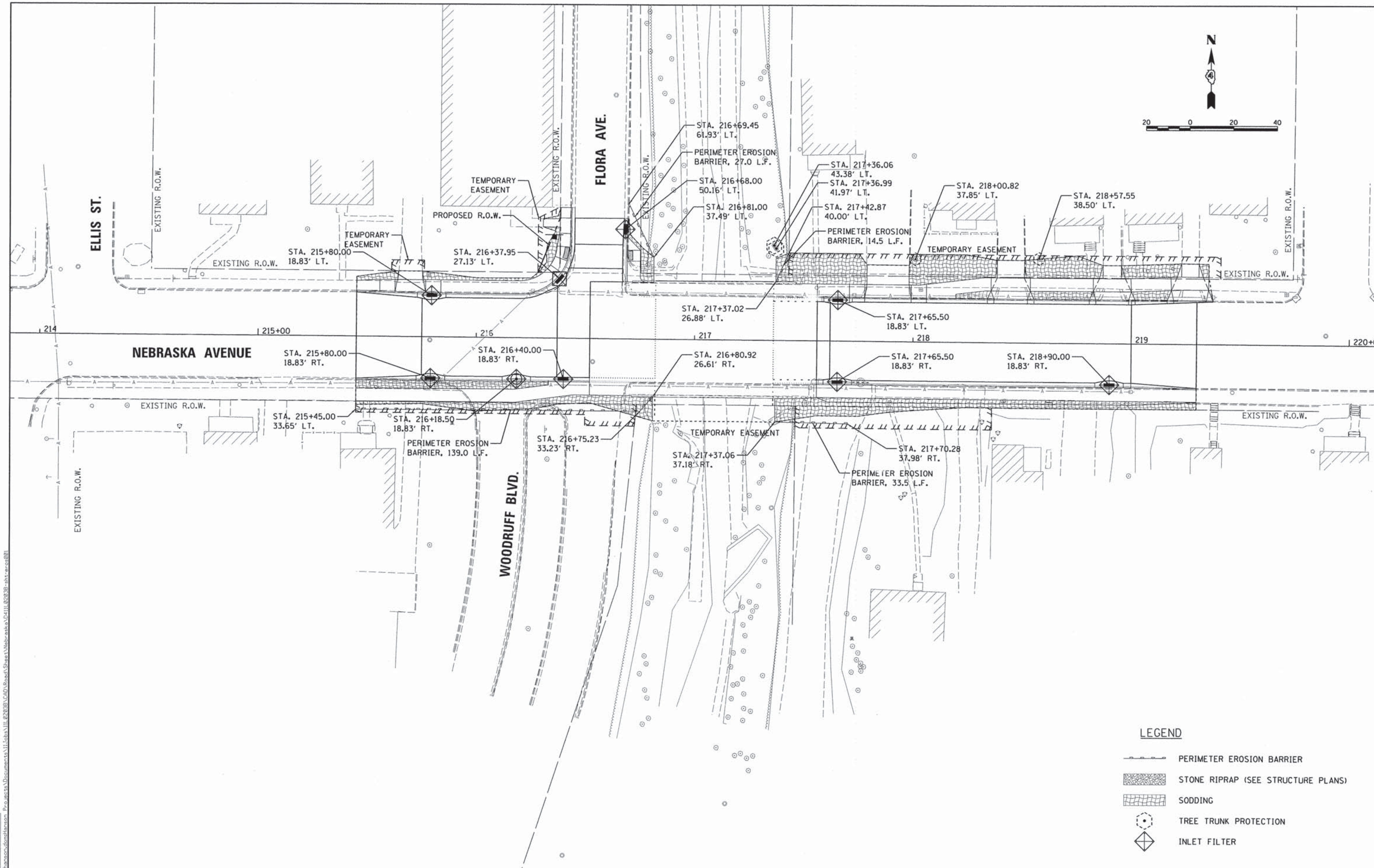
NEBRASKA AVENUE
PLAN & PROFILE

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6621	09-00344-00-BR	PEORIA	44	10
		CONTRACT NO. 89657		

ILLINOIS FED. AID PROJECT

LAYOUT MGD | DRAWN RLA | REVIEWED CAL



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Default	PLOT DATE = 08\04\2014	CHECKED - CAL	REVISED -
		DATE - 7/31/2014	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

NEBRASKA AVENUE
EROSION CONTROL PLAN

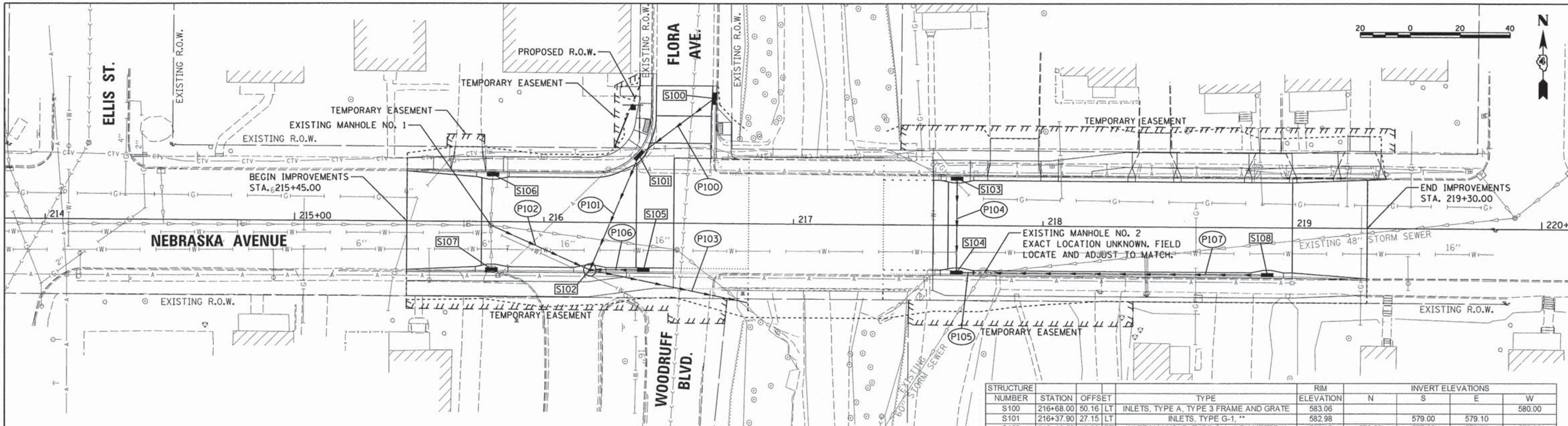
SCALE: 1"=20' | SHEET OF SHEETS | STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6621	09-00344-00-BR	PEORIA	44	11

CONTRACT NO. 89657

ILLINOIS FED. AID PROJECT BRM-5093(170)

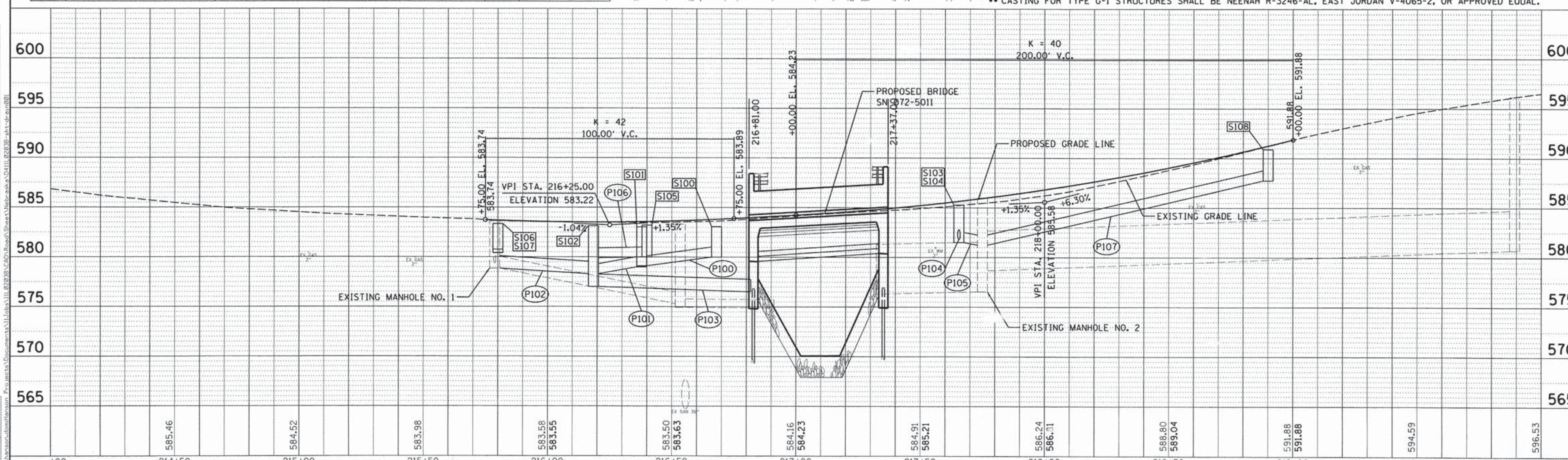
LAYOUT	MGD
DRAWN	RLA
REVIEWED	CAL



PIPE NUMBER	FROM STRUCTURE	U/S INVERT	TO STRUCTURE	D/S INVERT	CLASS/ TYPE	DIAMETER	LENGTH	SLOPE	CLSM CY
P100	S100	580.00	S101	579.10	STORM SEWER, CLASS A, TYPE 1	12	35.5	2.54%	4.7
P101	S101	579.00	S102	578.30	STORM SEWER (WATER MAIN REQUIREMENTS)	12	46.5	1.51%	9.0
P102	EXIST MH 1	578.84	S102	578.30	STORM SEWER (WATER MAIN REQUIREMENTS)	15	39.5	1.37%	9.3
P103	S102	577.00	OUTFALL	576.48	STORM SEWER (WATER MAIN REQUIREMENTS)	15	70.5	0.74%	8.5
P104	S103	582.00	S104	581.60	STORM SEWER (WATER MAIN REQUIREMENTS)	12	36	1.11%	4.8
P105	S104	581.50	EXIST MH 2	581.25	STORM SEWER (WATER MAIN REQUIREMENTS)	12	5	5.00%	0.9
P106	S105	580.00	S102	579.90	STORM SEWER (WATER MAIN REQUIREMENTS)	12	18	0.56%	2.4
P107	S108	587.75	EXIST MH 2	581.25	STORM SEWER (WATER MAIN REQUIREMENTS)	12	110	5.91%	15.6

STRUCTURE NUMBER	STATION	OFFSET		TYPE	RIM ELEVATION	INVERT ELEVATIONS N	S	E	W
S100	216+68.00	50.16	LT	INLETS, TYPE A, TYPE 3 FRAME AND GRATE	583.06				580.00
S101	216+37.90	27.15	LT	INLETS, TYPE G-1, **	582.98		579.00	579.10	
S102	216+18.50	18.83	RT	INLET-MANHOLE, TYPE G-1, 4' DIAMETER **	583.15	578.30	577.00	579.90	578.30
S103	217+65.50	18.83	LT	INLETS, TYPE G-1, **	585.28		582.00		
S104	217+65.50	18.83	RT	INLETS, TYPE G-1, **	585.28	581.60		581.50	
S105	216+40.00	18.83	RT	INLETS, TYPE G-1, **	583.21				580.00
S106	215+80.00	18.83	LT	INLETS, TYPE G-1, **	583.33		EX 580.4		
S107	215+80.00	18.83	RT	INLETS, TYPE G-1, **	583.33	EX 580.75			
S108	218+90.00	18.83	RT	INLETS, TYPE G-1, **	590.90				587.75
EXIST MH 1	215+78.72	1.42	RT		583.67	579.27	579.18	578.84	578.88
EXIST MH 2			RT	LOCATION UNKNOWN - FIELD VERIFY	586.00			578.68	576.55
OUTFALL			RT		581.00				576.48

** CASTING FOR TYPE G-1 STRUCTURES SHALL BE NEENAH R-3246-AL, EAST JORDAN V-4065-2, OR APPROVED EQUAL.



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

PROFILE	NOTE BOOK NO.	SURVEYED	PLOTTED	GRADES CHECKED	B.M. NOTED	STRUCTURE NOTATIONS CHK'D

LAYOUT	DRAWN	REVIEWED
MGD	RLA	CAL

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

NEBRASKA AVENUE
DRAINAGE PLAN

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6621	09-00344-00-BR	PEORIA	44	12
		CONTRACT NO.89657		
	ILLINOIS FED. AID PROJECT			

HPSI

HANSON
Hanson Professional Services Inc.

SAM PROPERTY GROUP IV LLC
509 W NEBRASKA AVE
1433353019

SAM PROPERTY GROUP IV LLC
507 W NEBRASKA AVE
1433353020

ADEL F MINA
501 W NEBRASKA AVE
1433357014

COUNTRYWIDE HOME LOANS
431 W NEBRASKA AVE
1433357015

JOSEPH H CHERRY
429 W NEBRASKA AVE
1433357016

COUNTRYWIDE HOME LOANS
427 W NEBRASKA AVE
1433357017

JOSEPH H CHERRY
1903 N HAMPTON CT
1433357018

PEORIA SCHOOL DIST #150 BOARD OF EDUCATION
510 W NEBRASKA AVE
1804102009

BOARD OF EDUCATION
PEORIA SCHOOL DIST #150
W NEBRASKA AVE
1804103049

ELLIS ST.

FLORA AVE.

WOODRUFF BLVD.

NEBRASKA AVENUE

EXISTING R.O.W.

PROPOSED R.O.W.

TEMPORARY EASEMENT

STA. 216+37.95
60.00' LT.

STA. 216+38.01
55.00' LT.

STA. 216+28.01
55.00' LT.

STA. 216+27.95
30.00' LT.

STA. 215+60.96
35.00' LT.

STA. 215+60.95
30.00' LT.

STA. 215+75.96
35.00' LT.

STA. 215+75.95
30.00' LT.

STA. 217+42.87
40.00' LT.

STA. 217+42.84
30.00' LT.

STA. 219+40.84
40.00' LT.

STA. 219+40.81
30.00' LT.

BEGIN IMPROVEMENTS
STA. 215+45.00

END IMPROVEMENTS
STA. 219+30.00

214 | 215+00 | 216 | 217 | 218 | 219 | 220+00

18'-0"

STA. 216+73.62
30.00' RT.

STA. 217+46.29
30.00' RT.

STA. 218+36.29
30.00' RT.

STA. 215+45.00
30.00' RT.

STA. 215+45.00
35.00' RT.

STA. 216+50.00
35.00' RT.

STA. 216+72.68
40.00' RT.

STA. 216+50.00
40.00' RT.

STA. 217+46.27
40.00' RT.

STA. 218+36.27
40.00' RT.

1433357013

N

20 0 20 40

LAYOUT		MGD
DRAWN		RLA
REVIEWED		CAL

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

NEBRASKA AVENUE
RIGHT OF WAY PLAN

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6621	09-00344-00-BR	PEORIA	44	13
		CONTRACT NO.89657		
	ILLINOIS FED. AID PROJECT	BRM-5093(170)		

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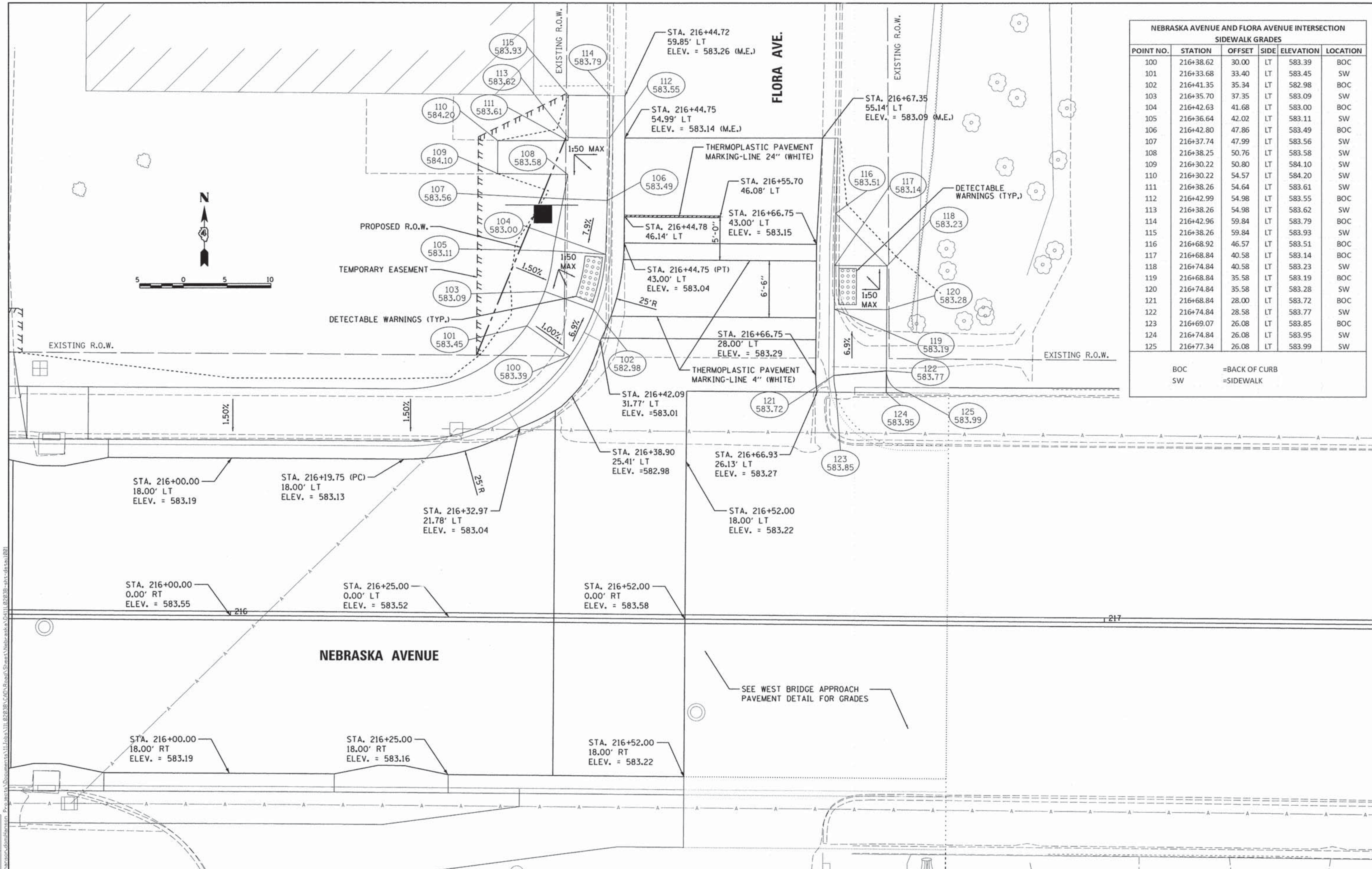

NEBRASKA AVENUE AND FLORA AVENUE INTERSECTION SIDEWALK GRADES					
POINT NO.	STATION	OFFSET	SIDE	ELEVATION	LOCATION
100	216+38.62	30.00	LT	583.39	BOC
101	216+33.68	33.40	LT	583.45	SW
102	216+41.35	35.34	LT	582.98	BOC
103	216+35.70	37.35	LT	583.09	SW
104	216+42.63	41.68	LT	583.00	BOC
105	216+36.64	42.02	LT	583.11	SW
106	216+42.80	47.86	LT	583.49	BOC
107	216+37.74	47.99	LT	583.56	SW
108	216+38.25	50.76	LT	583.58	SW
109	216+30.22	50.80	LT	584.10	SW
110	216+30.22	54.57	LT	584.20	SW
111	216+38.26	54.64	LT	583.61	SW
112	216+42.99	54.98	LT	583.55	BOC
113	216+38.26	54.98	LT	583.62	SW
114	216+42.96	59.84	LT	583.79	BOC
115	216+38.26	59.84	LT	583.93	SW
116	216+68.92	46.57	LT	583.51	BOC
117	216+68.84	40.58	LT	583.14	BOC
118	216+74.84	40.58	LT	583.23	SW
119	216+68.84	35.58	LT	583.19	BOC
120	216+74.84	35.58	LT	583.28	SW
121	216+68.84	28.00	LT	583.72	BOC
122	216+74.84	28.58	LT	583.77	SW
123	216+69.07	26.08	LT	583.85	BOC
124	216+74.84	26.08	LT	583.95	SW
125	216+77.34	26.08	LT	583.99	SW

BOC =BACK OF CURB
SW =SIDEWALK

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REVIEWED	CAL		PLOT DATE = 08\04\2014

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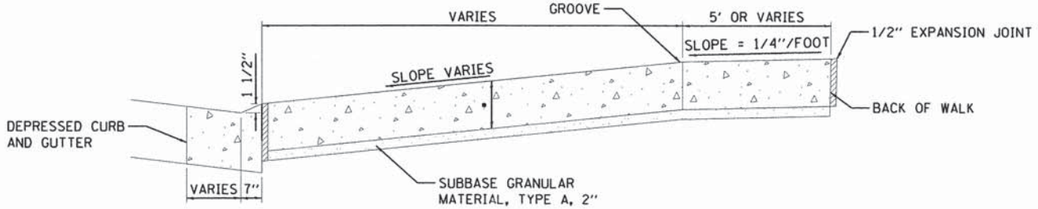
DRAWN - RLA	REVISED -
CHECKED - CAL	REVISED -
DATE - 7/31/2014	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

NEBRASKA AVENUE
INTERSECTION DETAIL

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6621	09-00344-00-BR	PEORIA	44	14
		CONTRACT NO.89657		
	ILLINOIS	FED. AID PROJECT	BRM-5093(170)	



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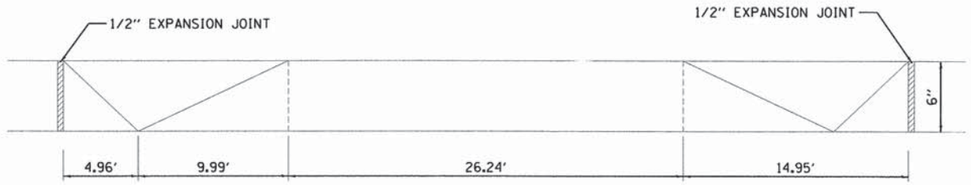

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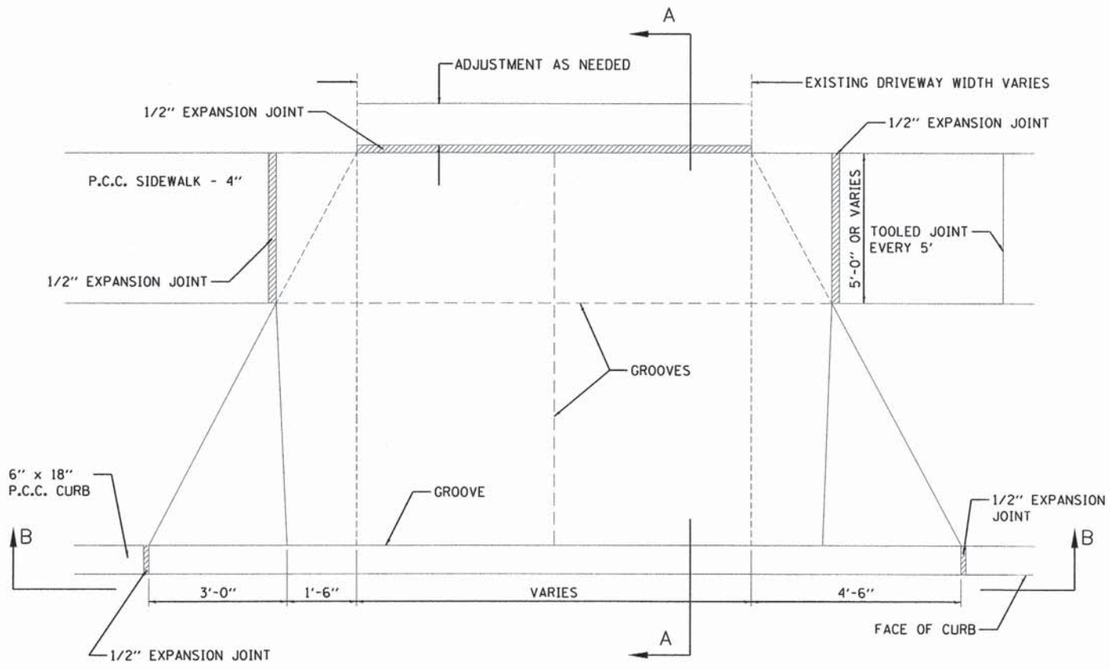
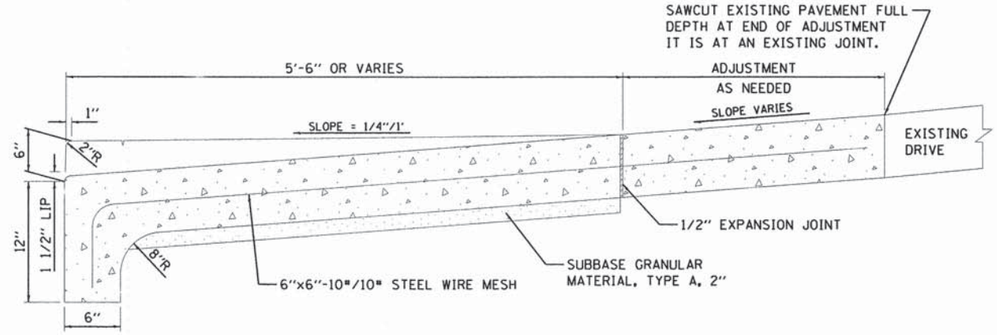


P.C.C. DRIVEWAY PAVEMENT, 6"

ADJACENT TO PROPERTY LINE SIDEWALK



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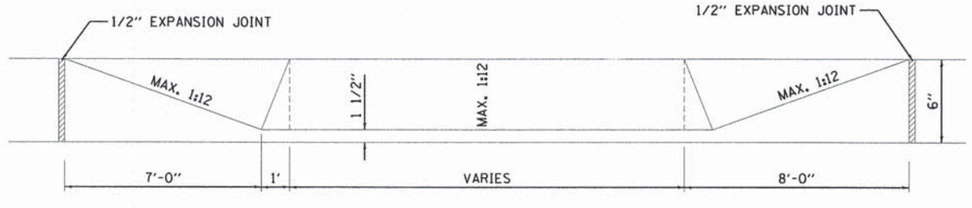

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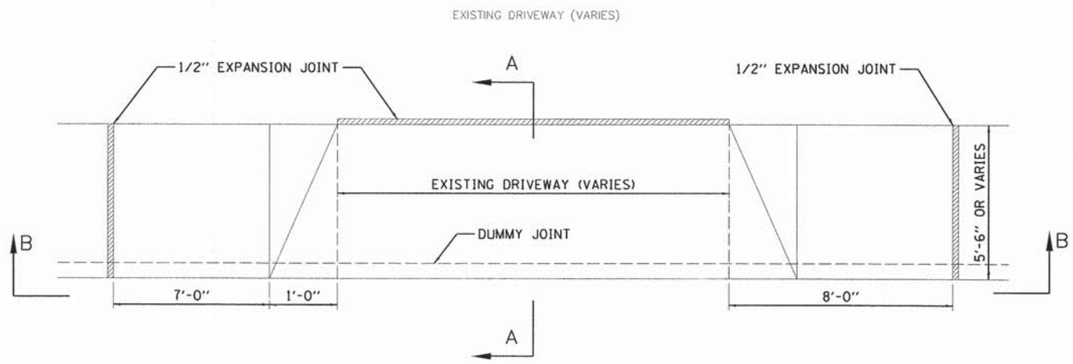

P.C.C. DRIVEWAY PAVEMENT, – 6" OR 8"

AS COMBINATION CURB AND SIDEWALK

LAYOUT	MGD
DRAWN	RLA
REVIEWED	CAL

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

NEBRASKA AVENUE
ENTRANCE DETAILS

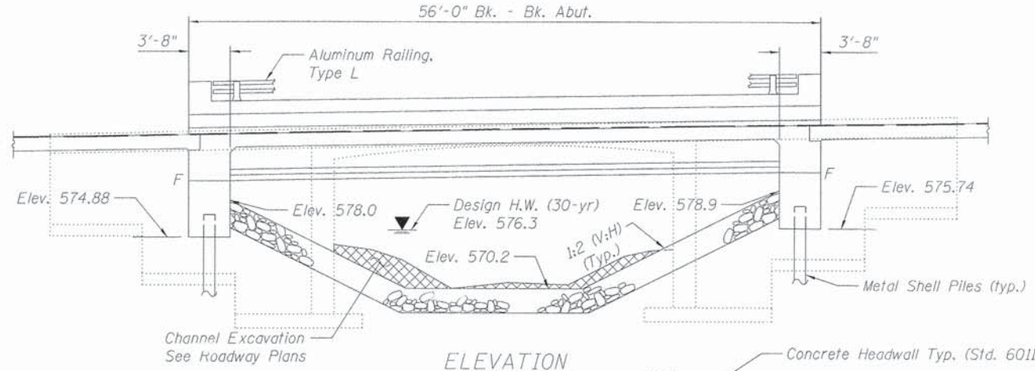
SCALE: N/A | SHEET | OF | SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6621	09-00344-00-BR	PEORIA	44	15
		CONTRACT NO.89657		
	ILLINOIS	FED. AID PROJECT	BRM-5093(170)	

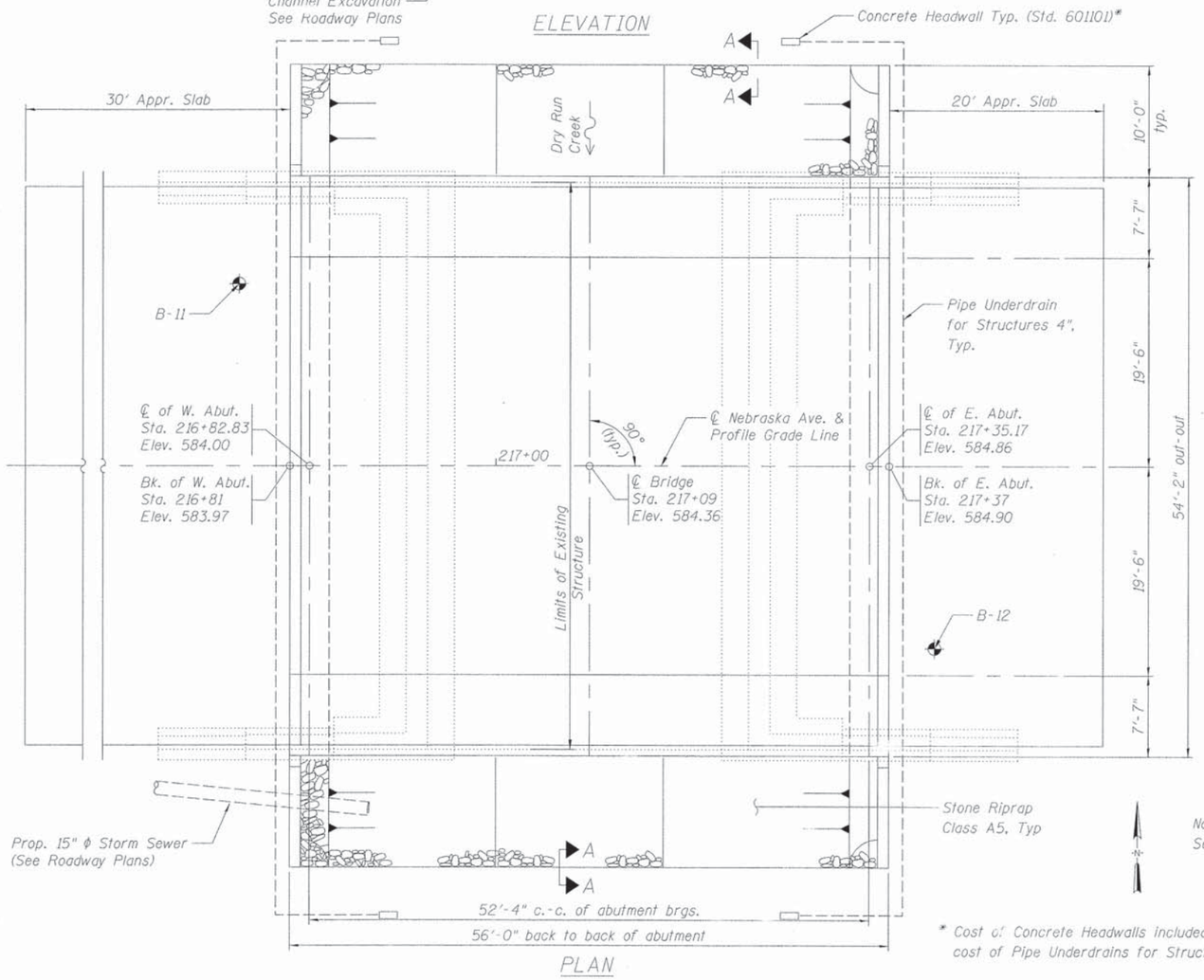
B.M.- Benchmark is Chiseled "+" on SE Cap Bolt on fire hydrant at NW Quad of Sheridan and Nebraska intersection. Elev. 602.12

Existing Structure - Structure No. 072-6002. Existing structure was constructed in 1938 and consists of a three-sided, rigid frame concrete slab with closed concrete abutments. The bridge width is 53'-4", out-to-out of deck. The bridge length is 34'-0", back-to-back of abutments. The abutments and wing walls are founded on spread footings without piles.

Salvage- None



ELEVATION



PLAN

* Cost of Concrete Headwalls included in the cost of Pipe Underdrains for Structures 4".

DESIGN SPECIFICATIONS

2012 AASHTO LRFD Bridge Design Specifications - 6th edition

LOADING HL-93

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

DESIGN STRESSES

FIELD UNITS
f'c = 3,500 p.s.i.
fy = 60,000 p.s.i. (Reinforcement)

PRECAST PRESTRESSED UNITS
f'c = 6,000 p.s.i.
f'ci = 5,000 p.s.i.
fpu = 270,000 p.s.i. ($\frac{1}{2}$" ϕ low relax. strands)
fbpt = 201,960 p.s.i. ($\frac{1}{2}$" ϕ low relax. strands)

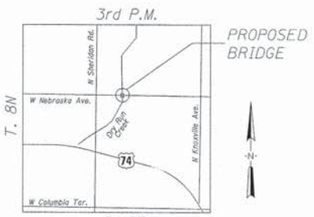
SEISMIC DATA

Seismic Performance Zone (SPZ) = 1
Design Spectral Acceleration at 1.0 sec (SD1) = 0.112
Design Spectral Acceleration at 0.2 sec (SDs) = 0.175
Soil Site Class = D

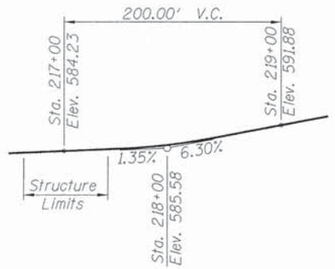
DRY RUN CREEK
BUILT 20__ BY
PEORIA COUNTY
SEC. 09-00344-00-BR
F.A.U. RT. 6621 STA. 217+09
STR. NO. 072-6012 LOADING ____

NAME PLATE

See Std. 515001
Locate Name Plate on South Parapet as indicated on Sheet 7 of 20.



LOCATION SKETCH



PROFILE GRADE
(Along ℄ Roadway)

DESIGN SCOUR ELEVATION TABLE

Design Scour Elevation (ft.)	W. Abut.	E. Abut.
	574.88	575.74

WATERWAY INFORMATION

Drainage Area = 2.62 Sq. Mi. Low Grade Elev. = ±583.45

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.
Design	30	1477	130	168	576.3	2.1	1.7	578.4	578.0
Base	100	1950	161	211	577.3	2.7	2.4	580.0	579.7

Notes:
See Sheet 2 of 20 for Section A-A.

LICENSED STRUCTURAL ENGINEER
FRANCIS L. NAUMAN
081-004900
STATE OF ILLINOIS
SIGNATURE
7/24/2014
DATE
LIC. EXP. DATE 11/30/2014

"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 Specifications for Highway Bridges.'"

GENERAL PLAN & ELEVATION
NEBRASKA AVENUE BRIDGE
OVER DRY RUN CREEK
FAU 6621
SEC. 09-00344-00-BR
PEORIA COUNTY, ILLINOIS
STATION 217+09
STRUCTURE NO. 072-6012

HANSON
Hanson Professional Services Inc.

LAYOUT	SMK/FLN	02/05/2014
DRAWN	MGM	06/12/2014
REVIEWED	FLN	06/13/2014

FILE NAME = 072-6012-ILL0203B-001-GPE	USER NAME = anderl0846	DESIGNED - SMK/FLN	REVISED -
		DRAWN - MWH	REVISED -
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	PLOT DATE = 08\04\2014	DATE - 6/20/2014	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN & ELEVATION
NEBRASKA AVENUE BRIDGE

SCALE: | SHEET 1 OF 20 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6621	09-00344-00-BR	PEORIA	44	16
		CONTRACT NO. 89657		
	ILLINOIS FED. AID PROJECT BRM-5093(170)			

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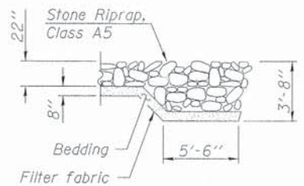
2. General Data
3. Top of Slab Elevations
4. Top of West Approach Slab Elevations
5. Top of East Approach Slab Elevations
6. Superstructure
7. Parapet Details
8. Abutment Diaphragm Details
9. West Bridge Approach Slab Details
10. West Bridge Approach Slab Details
11. East Bridge Approach Slab Details
12. East Bridge Approach Slab Details
13. Aluminum Railing, Type L
14. Framing Plan
15. Framing Details
16. Framing Details
17. West Abutment
18. East Abutment
19. Metal Shell Pile Details
20. Boring Logs

GENERAL NOTES

Reinforcement bars designated (E) shall be epoxy coated.

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

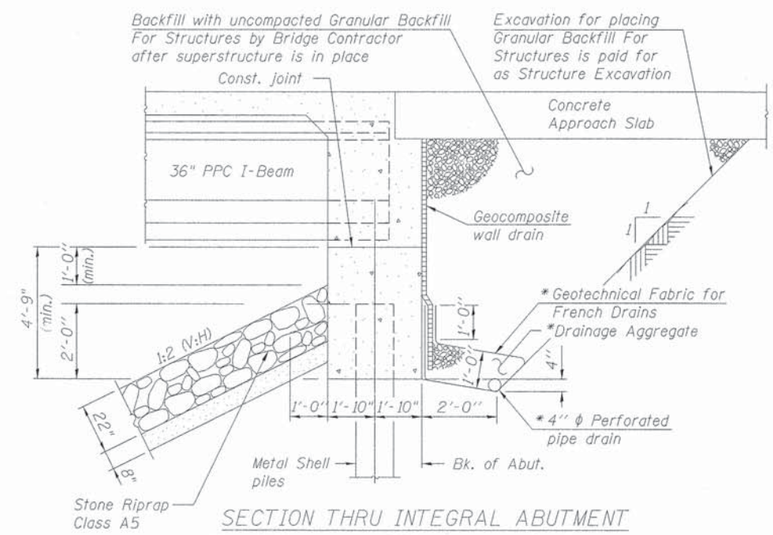
The Contractor shall obtain a construction permit from the Illinois Department of Natural Resources (IDNR), Office of Water Resources for any temporary construction activity placed in the water except cofferdams. This shall include the placement of material for run-arounds, causeways, etc. Any permit application by the Contractor shall refer to the IDNR 3704 Floodway Construction permit number allowing permanent construction as shown in the contract plans.



SECTION A-A

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Stone Riprap, Class A5	Sq. Yd.	—	446	446
Filter Fabric	Sq. Yd.	—	446	446
Removal of Existing Structures	Each	1	—	1
Structure Excavation	Cu. Yd.	—	522	522
Concrete Structures	Cu. Yd.	—	116.4	116.4
Concrete Superstructure	Cu. Yd.	296.2	—	296.2
Bridge Deck Grooving	Sq. Yd.	469	—	469
Protective Coat	Sq. Yd.	756	—	756
Furnishing and Erecting PPC I-Beams, 36"	Foot	427	—	427
Reinforcement Bars, Epoxy Coated	Pound	52,680	16,860	69,540
Aluminum Railing, Type L	Foot	104	—	104
Furnishing Metal Shell Piles 12"x0.250"	Foot	—	710	710
Driving Piles	Foot	—	710	710
Test Pile Metal Shells	Each	—	2	2
Name Plates	Each	—	1	1
Geocomposite Wall Drain	Sq. Yd.	—	113	113
Granular Backfill for Structures	Cu. Yd.	—	246	246
Pipe Underdrains for Structures 4"	Foot	—	223	223



SECTION THRU INTEGRAL ABUTMENT

* Included in the cost of Pipe Underdrains for Structures.

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

LAYOUT	FLN	02/06/2014
DRAWN	MGM	02/06/2014
REVIEWED	FLN	04/11/2014

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL DATA
NEBRASKA AVENUE BRIDGE

SCALE: | SHEET 2 OF 20 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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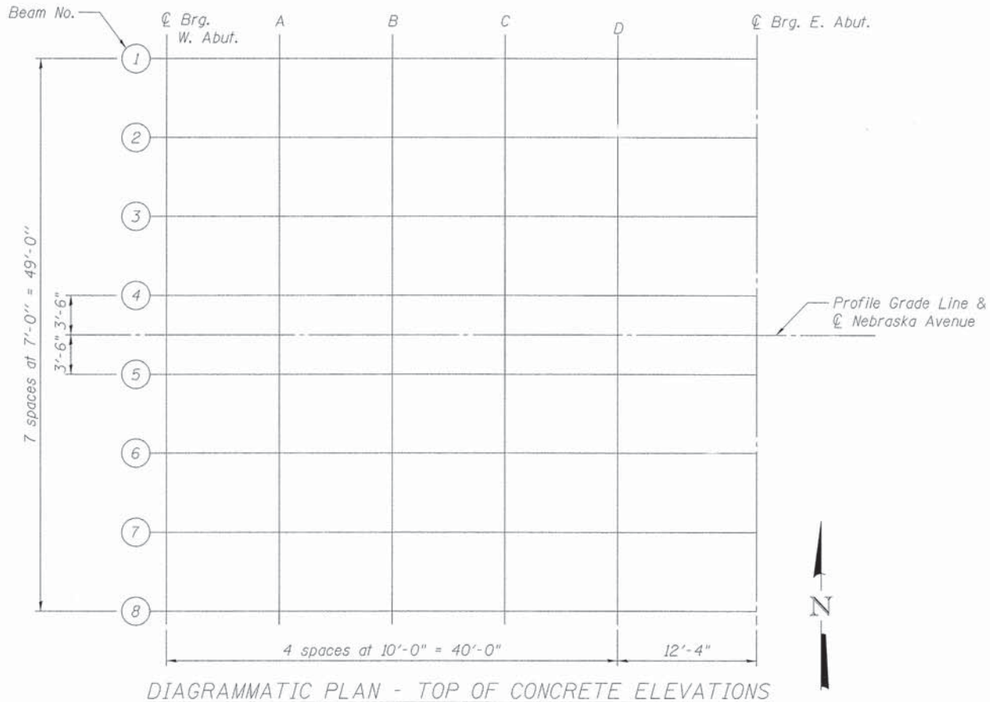
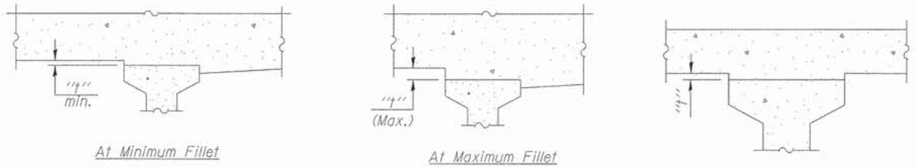
		CONTRACT NO. 89657		
	ILLINOIS FED. AID PROJECT BRM-5093(170)			



DIAGRAMMATIC PLAN - TOP OF CONCRETE ELEVATIONS



At Minimum Fillet

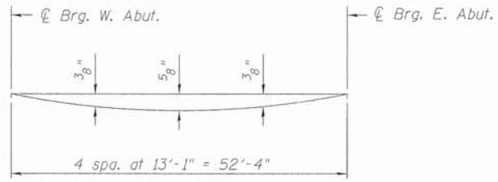
At Maximum Fillet

EXTERIOR BEAMS

INTERIOR BEAMS

FILLET HEIGHTS

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



DEAD LOAD DEFLECTION DIAGRAM

(Includes weight of concrete deck only.)

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

BEAM 1 & 8

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut	216+81.00	±24.50	583.48	583.48
CL Brg. W. Abut.	216+82.83	±24.50	583.51	583.51
A	216+92.83	±24.50	583.64	583.67
B	217+02.83	±24.50	583.78	583.82
C	217+12.83	±24.50	583.93	583.98
D	217+22.83	±24.50	584.11	584.15
CL Brg. E. Abut.	217+35.17	±24.50	584.37	584.37
Bk. E. Abut	217+37.00	±24.50	584.41	584.41

BEAM 2 & 7

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut	216+81.00	±17.50	583.62	583.62
CL Brg. W. Abut.	216+82.83	±17.50	583.65	583.65
A	216+92.83	±17.50	583.78	583.81
B	217+02.83	±17.50	583.92	583.96
C	217+12.83	±17.50	584.07	584.12
D	217+22.83	±17.50	584.25	584.29
CL Brg. E. Abut.	217+35.17	±17.50	584.51	584.51
Bk. E. Abut	217+37.00	±17.50	584.55	584.55

BEAM 3 & 6

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut	216+81.00	±10.50	583.76	583.76
CL Brg. W. Abut.	216+82.83	±10.50	583.79	583.79
A	216+92.83	±10.50	583.92	583.95
B	217+02.83	±10.50	584.06	584.10
C	217+12.83	±10.50	584.21	584.26
D	217+22.83	±10.50	584.39	584.43
CL Brg. E. Abut.	217+35.17	±10.50	584.65	584.65
Bk. E. Abut	217+37.00	±10.50	584.69	584.69

BEAM 4 & 5

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut	216+81.00	±3.50	583.90	583.90
CL Brg. W. Abut.	216+82.83	±3.50	583.93	583.93
A	216+92.83	±3.50	584.06	584.09
B	217+02.83	±3.50	584.20	584.24
C	217+12.83	±3.50	584.35	584.40
D	217+22.83	±3.50	584.53	584.57
CL Brg. E. Abut.	217+35.17	±3.50	584.79	584.79
Bk. E. Abut	217+37.00	±3.50	584.83	584.83

PGL

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut	216+81.00	0	583.97	583.97
CL Brg. W. Abut.	216+82.83	0	584.00	584.00
A	216+92.83	0	584.13	584.16
B	217+02.83	0	584.27	584.31
C	217+12.83	0	584.42	584.47
D	217+22.83	0	584.60	584.64
CL Brg. E. Abut.	217+35.17	0	584.86	584.86
Bk. E. Abut	217+37.00	0	584.90	584.90

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LAYOUT	FLN	02/06/2014
DRAWN	MGM	02/06/2014
REVIEWED	FLN	04/11/2014

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Default	PLOT DATE = 08\04\2014	DATE - 06/20/2014	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TOP OF SLAB ELEVATIONS
NEBRASKA AVENUE BRIDGE

SCALE: | SHEET 3 OF 20 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6621	09-00344-00-BR	PEORIA	44	18
		CONTRACT NO. 89657		
	ILLINOIS FED. AID PROJECT	BRM-5093(170)		

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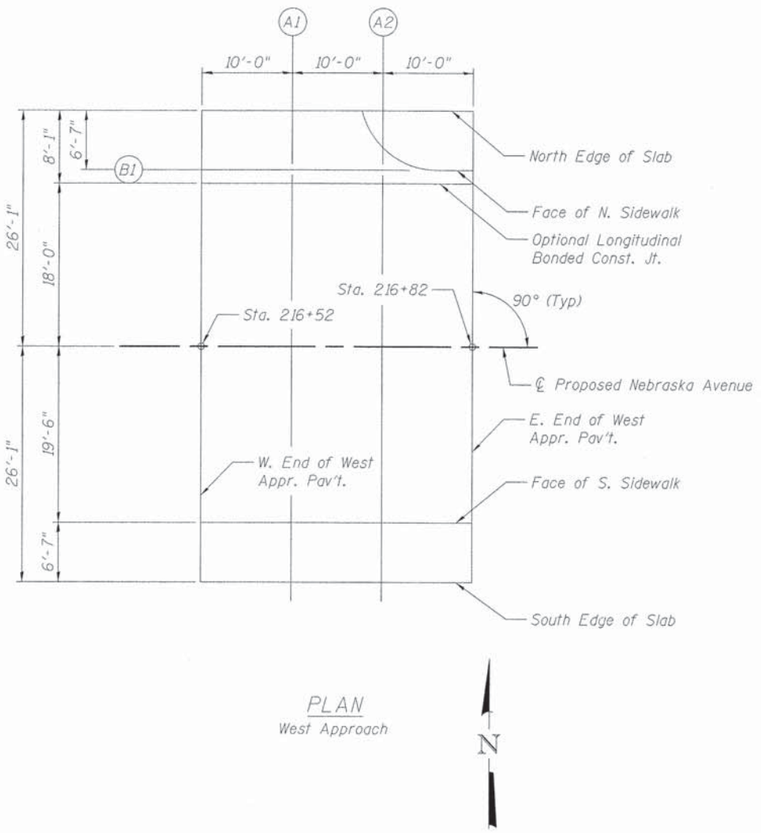

PLAN
West Approach

NORTH EDGE OF SLAB

Location	Station	Offset	Theoretical Grade Elevations
W. End West Appr. Pav't.	216+52	-26.08	583.06
A1	216+62	-26.08	583.20
A2	216+72	-26.08	583.33
E. End West Appr. Pav't.	216+82	-26.08	583.47

REFERENCE LINE B1

Location	Station	Offset	Theoretical Grade Elevations
W. End West Appr. Pav't.	216+52	-19.50	583.19
A1	216+62	-19.50	583.33
A2	216+72	-19.50	583.46
E. End West Appr. Pav't.	216+82	-19.50	583.60

LONGITUDINAL BONDED CONST. JT.

Location	Station	Offset	Theoretical Grade Elevations
W. End West Appr. Pav't.	216+52	-18.00	583.22
A1	216+62	-18.00	583.36
A2	216+72	-18.00	583.49
E. End West Appr. Pav't.	216+82	-18.00	583.63

℄ PROPOSED NEBRASKA AVENUE

Location	Station	Offset	Theoretical Grade Elevations
W. End West Appr. Pav't.	216+52	0.00	583.58
A1	216+62	0.00	583.72
A2	216+72	0.00	583.85
E. End West Appr. Pav't.	216+82	0.00	583.99

FACE OF SOUTH SIDEWALK

Location	Station	Offset	Theoretical Grade Elevations
W. End West Appr. Pav't.	216+52	19.50	583.19
A1	216+62	19.50	583.33
A2	216+72	19.50	583.46
E. End West Appr. Pav't.	216+82	19.50	583.60

SOUTH EDGE OF SLAB

Location	Station	Offset	Theoretical Grade Elevations
W. End West Appr. Pav't.	216+52	26.08	583.06
A1	216+62	26.08	583.20
A2	216+72	26.08	583.33
E. End West Appr. Pav't.	216+82	26.08	583.47

Notes:
Offsets are to ℄ Proposed Nebraska Avenue.
Negative (-) offsets are offsets to the left of the ℄ while looking upstation.
Theoretical Grade Elevations provided are for the top of the approach slab and do not include the sidewalk.

LAYOUT	FLN	02/06/2014
DRAWN	MGM	02/06/2014
REVIEWED	FLN	04/11/2014

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TOP OF WEST APPROACH SLAB ELEVATIONS
NEBRASKA AVENUE BRIDGE

SCALE: | SHEET 4 OF 20 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6621	09-00344-00-BR	PEORIA	44	19
		CONTRACT NO. 89657		
	ILLINOIS	FED. AID PROJECT	BRM-5093(170)	

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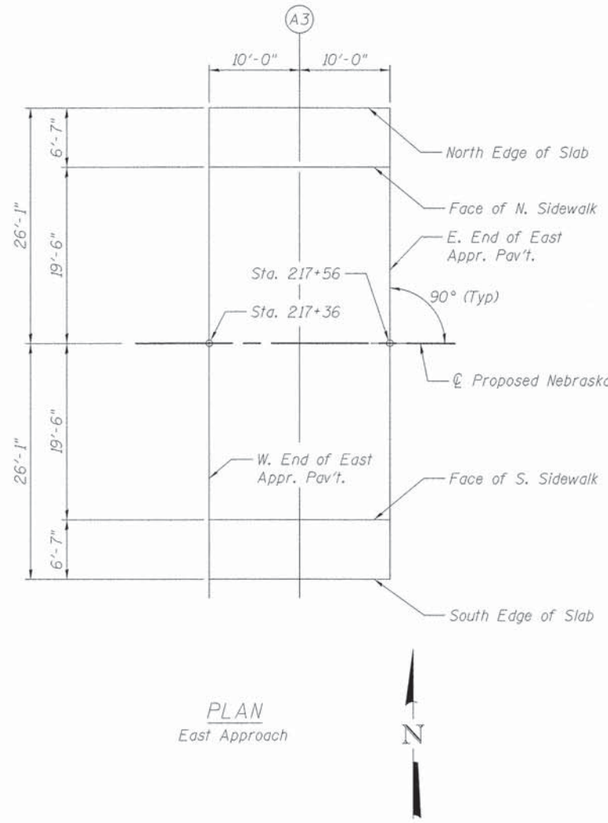

PLAN
East Approach

NORTH EDGE OF SLAB

Location	Station	Offset	Theoretical Grade Elevations
W. End East Appr. Pav't.	217+36	-26.08	584.35
A3	217+46	-26.08	584.59
E. End East Appr. Pav't.	217+56	-26.08	584.85

FACE OF NORTH SIDEWALK

Location	Station	Offset	Theoretical Grade Elevations
W. End East Appr. Pav't.	217+36	-19.50	584.49
A3	217+46	-19.50	584.72
E. End East Appr. Pav't.	217+56	-19.50	584.98

℄ PROPOSED NEBRASKA AVENUE

Location	Station	Offset	Theoretical Grade Elevations
W. End East Appr. Pav't.	217+36	0.00	584.88
A3	217+46	0.00	585.11
E. End East Appr. Pav't.	217+56	0.00	585.37

FACE OF SOUTH SIDEWALK

Location	Station	Offset	Theoretical Grade Elevations
W. End East Appr. Pav't.	217+36	19.50	584.49
A3	217+46	19.50	584.72
E. End East Appr. Pav't.	217+56	19.50	584.98

SOUTH EDGE OF SLAB

Location	Station	Offset	Theoretical Grade Elevations
W. End East Appr. Pav't.	217+36	26.08	584.35
A3	217+46	26.08	584.59
E. End East Appr. Pav't.	217+56	26.08	584.85

Notes:
Offsets are to ℄ Proposed Nebraska Avenue.
Negative (-) offsets are offsets to the left of the ℄ while looking upstation.
Theoretical Grade Elevations provided are for the top of the approach slab and do not include the sidewalk.

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DRAWN	MGM	02/06/2014
REVIEWED	FLN	04/11/2014

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TOP OF EAST APPROACH SLAB ELEVATIONS
NEBRASKA AVENUE BRIDGE

SCALE: | SHEET 5 OF 20 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6621	09-00344-00-BR	PEORIA	44	20
		CONTRACT NO. 89657		
	ILLINOIS FED. AID PROJECT	BRM-5093(170)		

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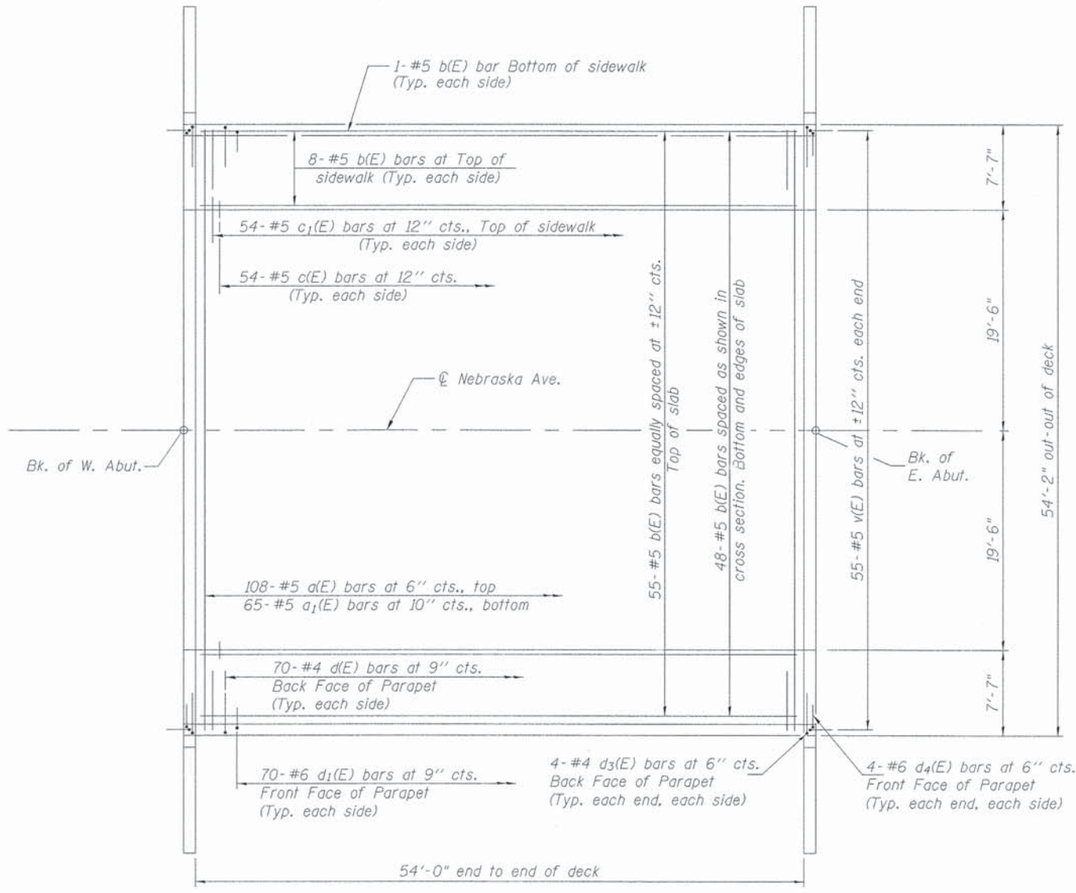
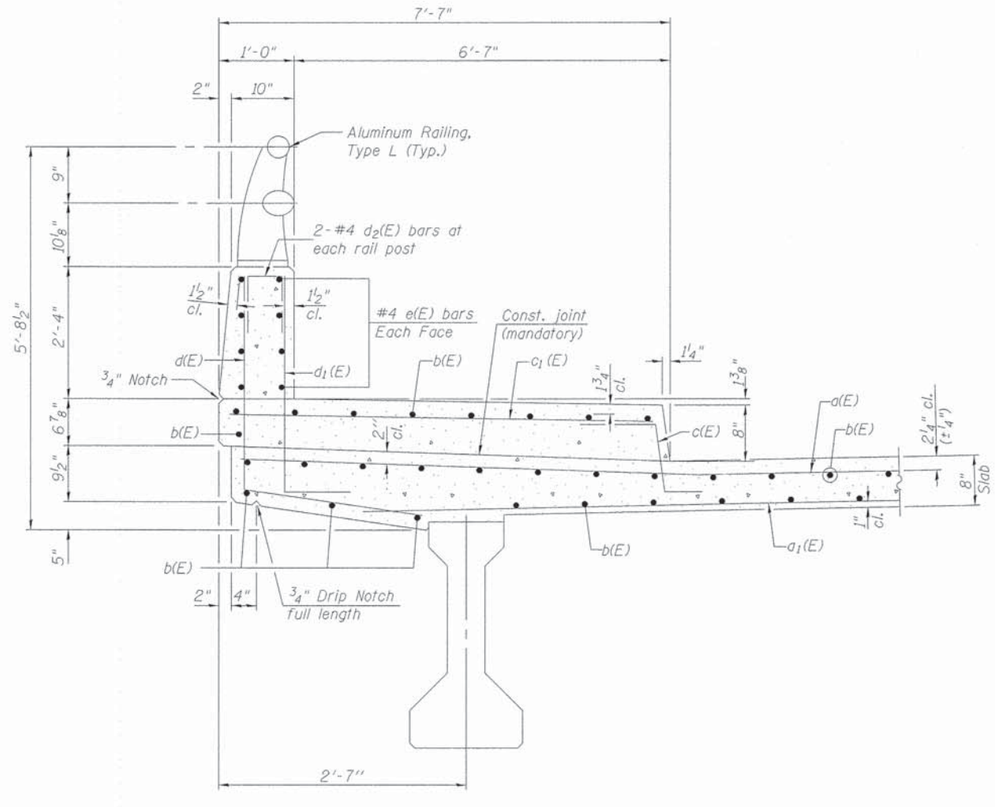
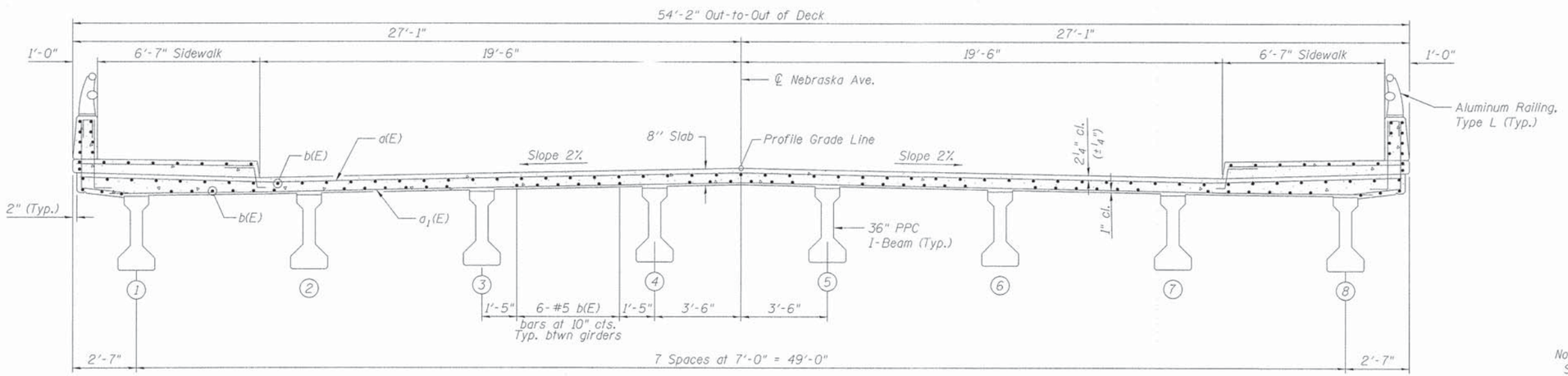


PLAN



SECTION THRU SIDEWALK



CROSS SECTION
(Looking East)

Notes:
See Sheet 7 of 20 for Section Thru Sidewalk at End of Parapet.

LAYOUT	FLN	04/06/2014
DRAWN	MGM	04/06/2014
REVIEWED	FLN	04/11/2014

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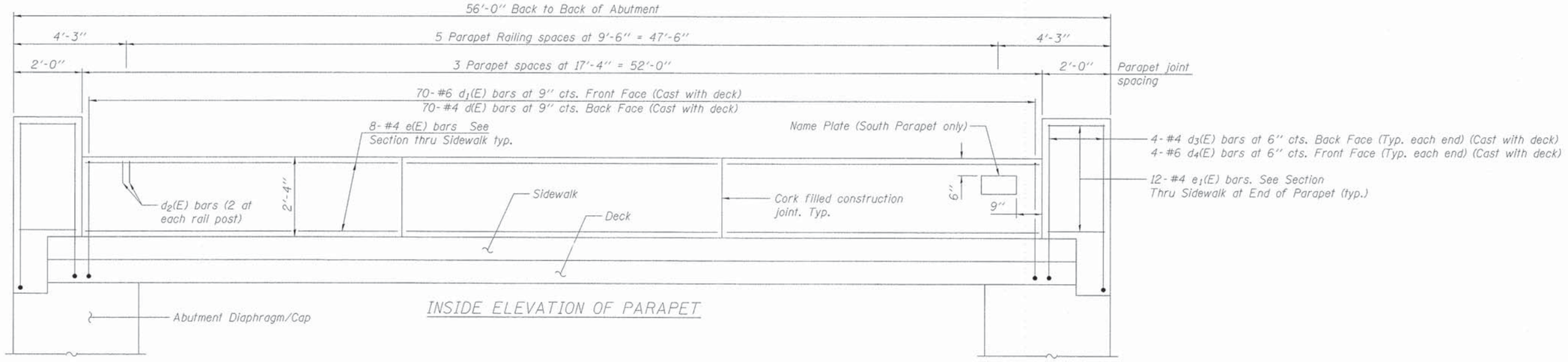
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

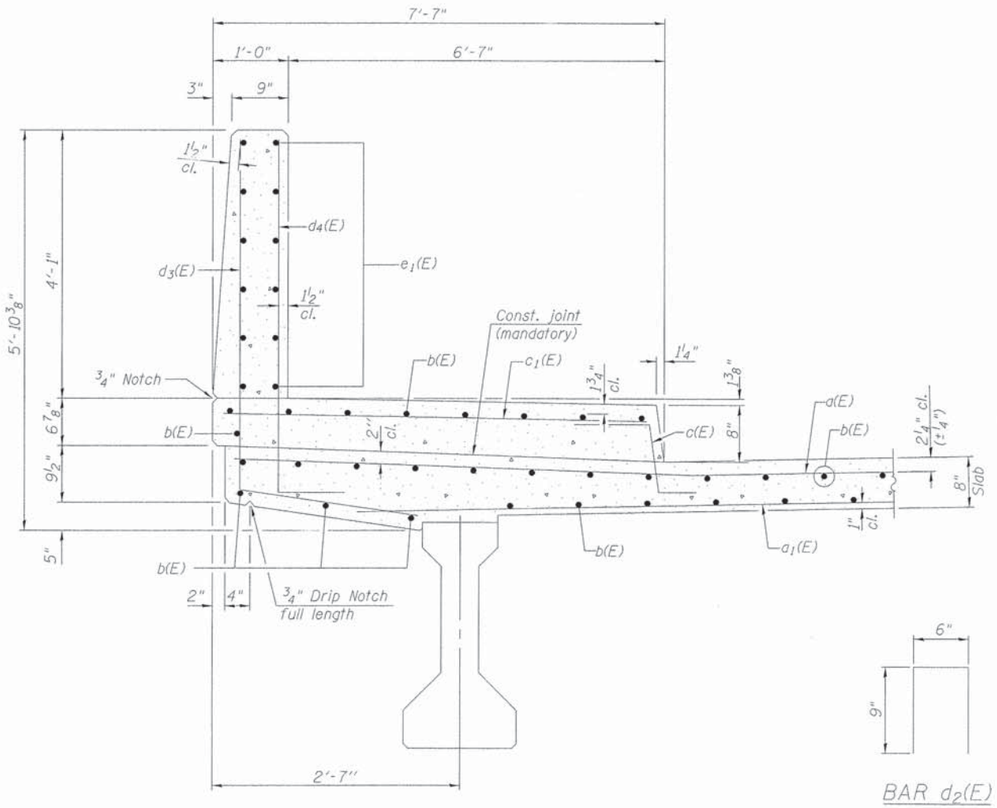
SUPERSTRUCTURE
NEBRASKA AVENUE BRIDGE

SCALE: | SHEET 6 OF 20 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6621	09-00344-00-BR	PEORIA	44	21
		CONTRACT NO. 89657		
	ILLINOIS	FED. AID PROJECT BRM-5093(170)		

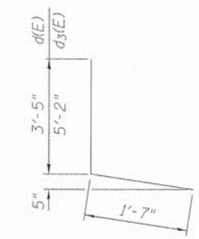


INSIDE ELEVATION OF PARAPET

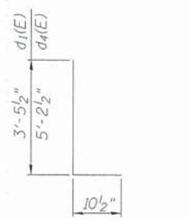


SECTION THRU SIDEWALK AT END OF PARAPET

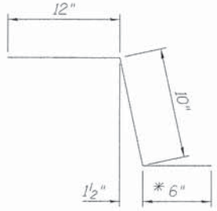
BAR $d_2(E)$



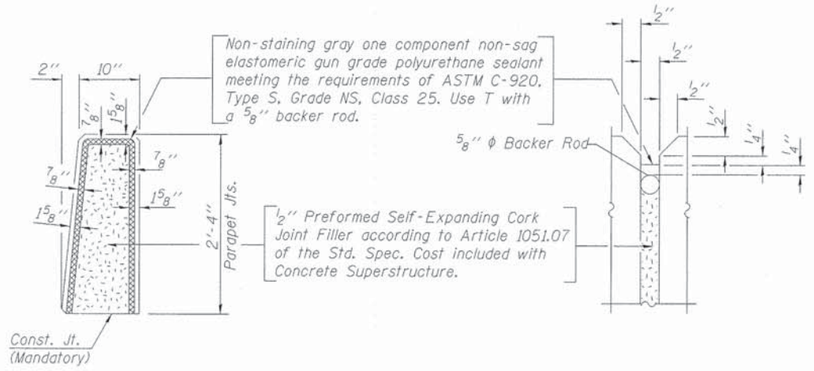
BAR d(E) & $d_3(E)$



BAR $d_1(E)$ & $d_4(E)$



BAR c(E)



PARAPET JOINT DETAILS

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

SUPERSTRUCTURE BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a(E)	108	#5	53'-6"	
$a_1(E)$	65	#5	51'-6"	
b(E)	121	#5	53'-8"	
c(E)	108	#5	2'-4"	
$c_1(E)$	108	#5	7'-2"	
d(E)	140	#4	5'-0"	
$d_1(E)$	140	#6	4'-4"	
$d_2(E)$	24	#4	2'-0"	
$d_3(E)$	16	#4	6'-9"	
$d_4(E)$	16	#6	6'-1"	
e(E)	48	#4	17'-0"	
$e_1(E)$	48	#4	1'-8"	
m(E)	8	#6	53'-10"	
$m_1(E)$	28	#6	6'-2"	
$m_2(E)$	8	#6	2'-0"	
$m_3(E)$	14	#6	5'-2"	
$m_4(E)$	4	#6	1'-6"	
$m_5(E)$	32	#5	5'-0"	
s(E)	92	#5	8'-9"	
$s_1(E)$	92	#5	10'-0"	
v(E)	110	#5	3'-1"	
Reinforcement Bars, Epoxy Coated			Lbs.	22,960
Concrete Superstructure			Cu. Yds.	150.7

Notes:
See Sheet 6 of 20 for Section Thru Sidewalk.
See Sheet 8 of 20 for s(E), v(E) and $s_1(E)$ bar details.

LAYOUT	FLN	04/06/2014
DRAWN	MGM	04/06/2014
REVIEWED	FLN	04/11/2014

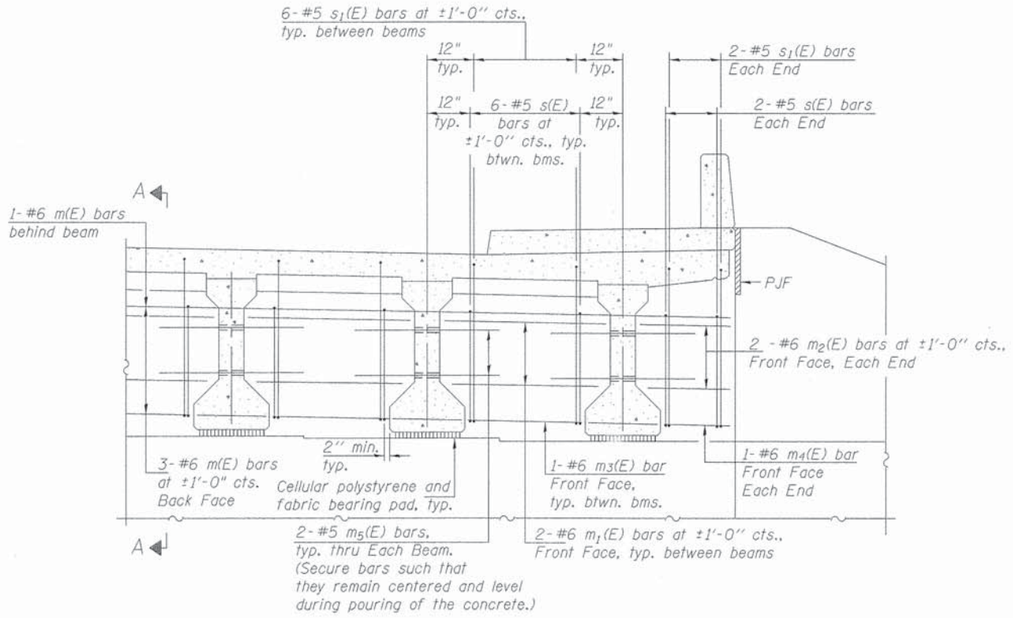
FILE NAME = 072-6012-1IL02038-007-PARAPET DET	USER NAME = ander00846	DESIGNED - FLN	REVISED -
		DRAWN - MGM	REVISED -
	PLOT SCALE = 0:2.0000 ':' / in.	CHECKED - FLN	REVISED -
Sheet	PLOT DATE = 08\04\2014	DATE - 06/20/2014	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

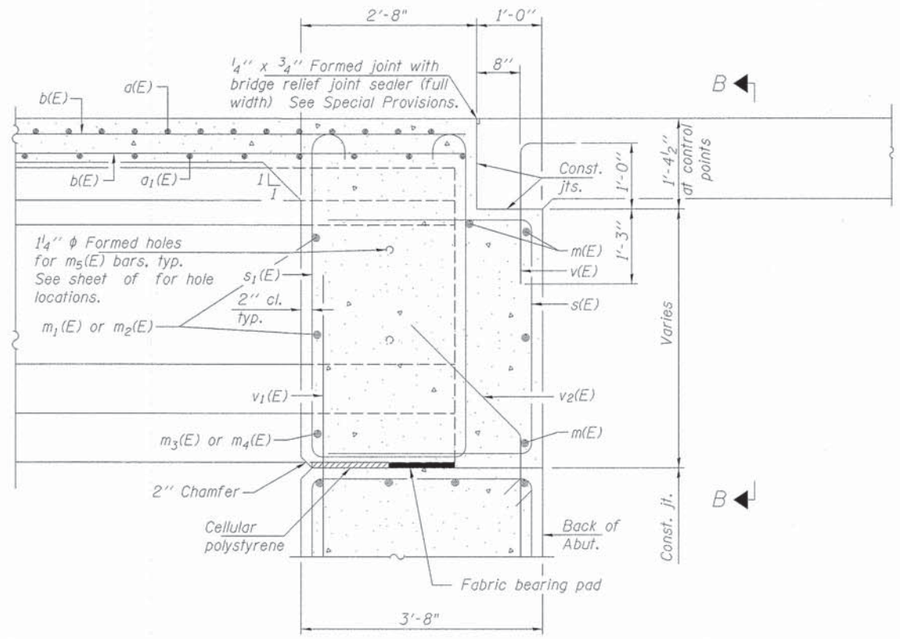
PARAPET DETAILS
NEBRASKA AVENUE BRIDGE

SCALE: | SHEET 7 OF 20 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6621	09-00344-00-BR	PEORIA	44	22
		CONTRACT NO. 89657		
	ILLINOIS FED. AID PROJECT BRM-5093(170)			

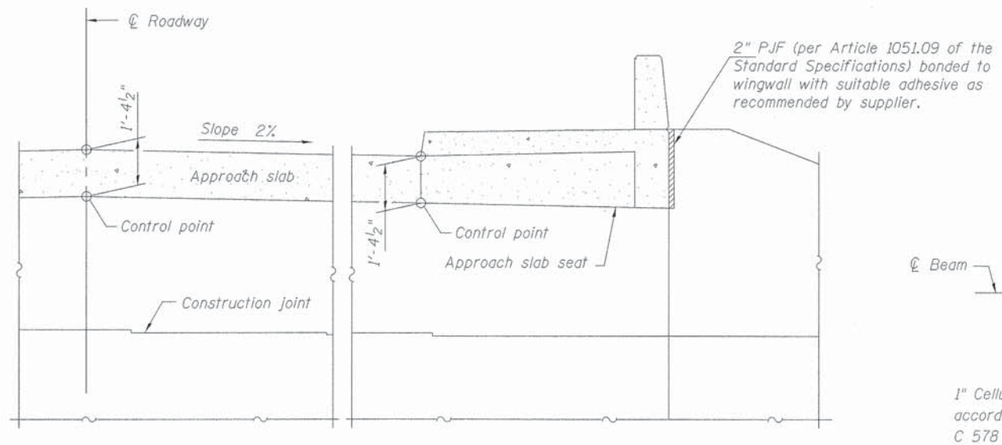


DIAPHRAGM ELEVATION AT ABUTMENT

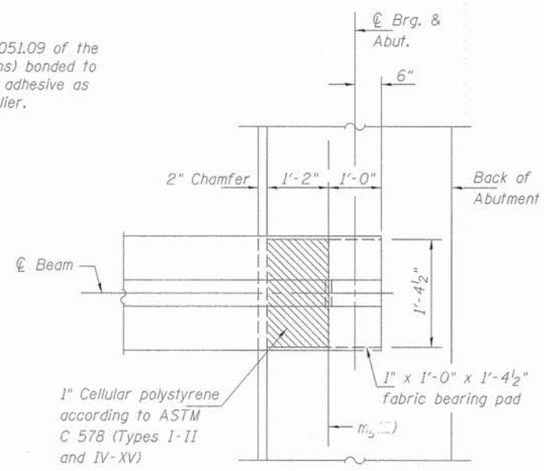


SECTION A-A

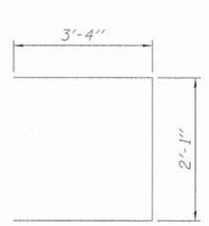
Notes:
Reinforcement bars in diaphragm are billed with superstructure on sheet 7 of 20.
Concrete in diaphragm is included with Concrete Superstructure on sheet 7 of 20.
The approach slab seat shall have a constant slope determined from the control points shown.
Cost of cellular polystyrene is included with Concrete Superstructure.



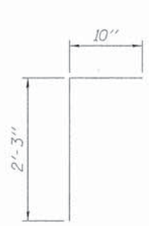
SECTION B-B



PARTIAL PLAN AT ABUTMENT
(Showing bottom flange of beam)



BARS s(E)



BARS v(E)

BARS s_1(E)

LAYOUT	FLN	04/06/2014
DRAWN	MGM	04/06/2014
REVIEWED	FLN	04/11/2014

FILE NAME = 072-6012-11L0203B-008-DIAPHRAGM	USER NAME = ander00846	DESIGNED - FLN	REVISED -
		DRAWN - MGM	REVISED -
Sheet	PLOT SCALE = 0.2.0000 '' / in.	CHECKED - FLN	REVISED -
	PLOT DATE = 08\04\2014	DATE - 06/20/2014	REVISED -

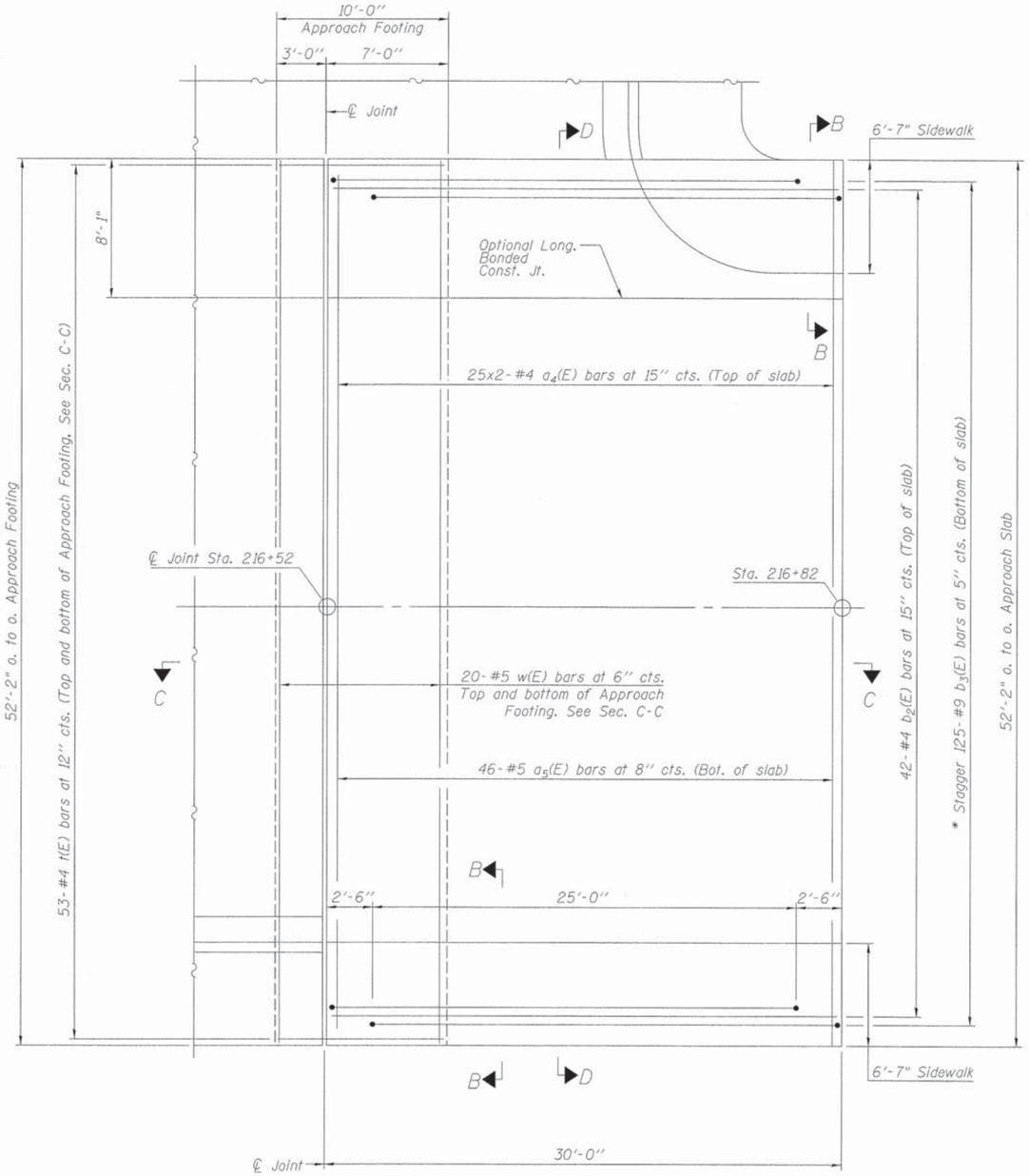
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ABUTMENT DIAPHRAGM DETAILS
NEBRASKA AVENUE BRIDGE

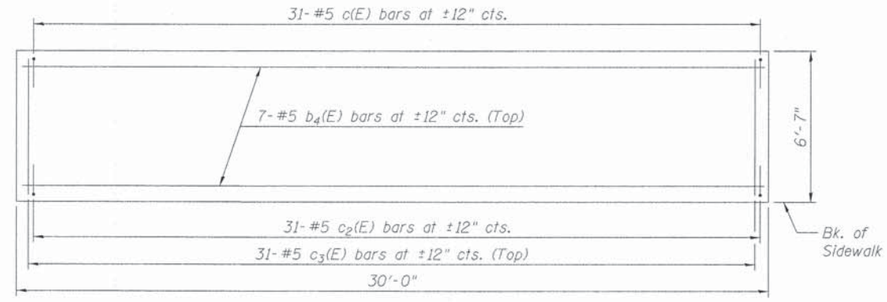
SCALE: | SHEET 8 OF 20 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6621	09-00344-00-BR	PEORIA	44	23
		CONTRACT NO. 89657		
	ILLINOIS FED. AID PROJECT	BRM-5093(170)		

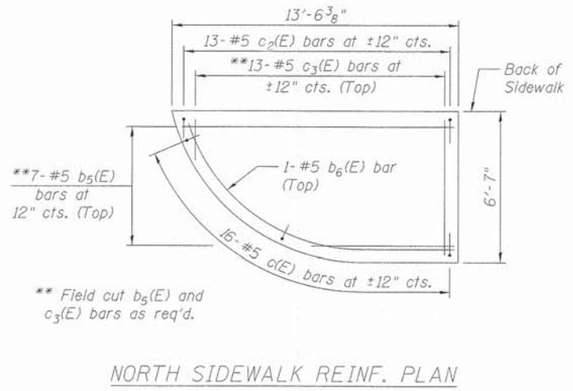
HANSON
Hanson Professional Services Inc.



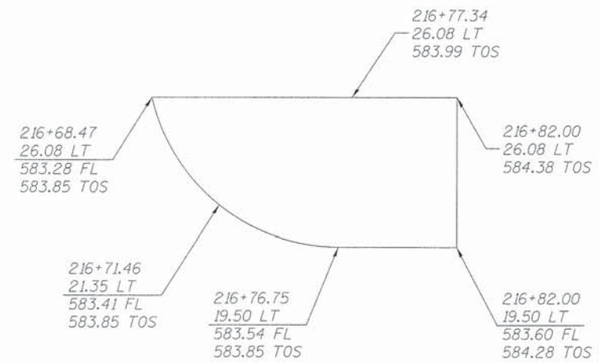
PLAN - WEST APPROACH SLAB



SOUTH SIDEWALK REINF. PLAN

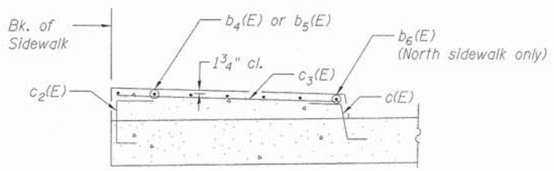


NORTH SIDEWALK REINF. PLAN

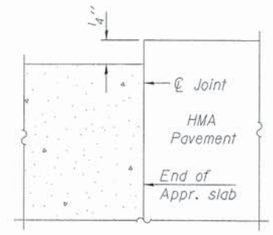


NORTH SIDEWALK LAYOUT PLAN

FL = Flow Line Elevation
TOS = Top of Sidewalk Elevation



SECTION B-B



FLEXIBLE PAVEMENT

DETAIL A

* Tilt #9 b_3(E) bars as required to maintain clearance.

Notes:
See sheet 10 of 20 for Sections C-C & D-D.
a_4(E) and a_5(E) bar spacings measured along ℄ Rdwy.
Bars indicated thus 25x2-#5 etc. indicates 25 lines of bars with 2 lengths per line.

LAYOUT	SMK/FLN	02/06/2014
DRAWN	MGM	06/09/2014
REVIEWED	FLN	06/10/2014

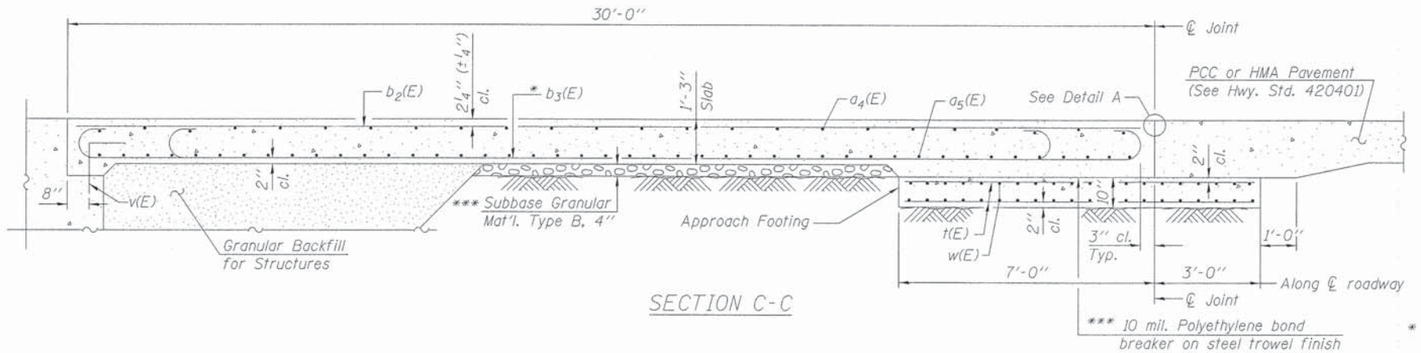
FILE NAME = 072-6012-11L0203B-009-APPR SLAB DET	USER NAME = ender00846	DESIGNED - SMK/FLN	REVISED -
		DRAWN - MGM	REVISED -
	PLOT SCALE = 0.2.0000 '' / in.	CHECKED - FLN	REVISED -
Default	PLOT DATE = 08\04\2014	DATE - 06/20/2014	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WEST BRIDGE APPROACH SLAB DETAILS
NEBRASKA AVENUE BRIDGE

SCALE: | SHEET 9 OF 20 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6621	09-00344-00-BR	PEORIA	44	24
		CONTRACT NO. 89657		
	ILLINOIS FED. AID PROJECT BRM-5093(170)			

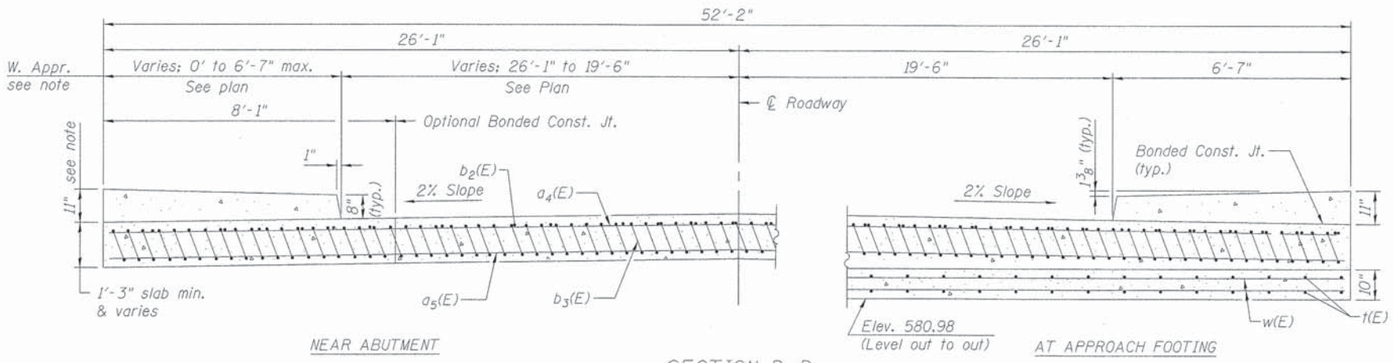


SECTION C-C

Notes:
See sheet 9 of 20 for Detail A.
Approach slab shall be paid for as Concrete Superstructure.
Approach footing concrete shall be paid for as Concrete Structures.
Reinforcement shall be paid for as Reinforcement Bars, Epoxy Coated.
For v(E) bar details, see sheet 8 of 20.
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 2 of 20.

* Tilt #9 b_3(E) bars as required to maintain clearance.

*** Cost included with Concrete Superstructure.

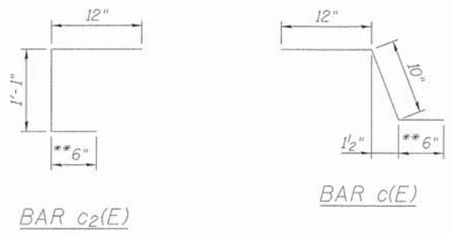


SECTION D-D
(See Plan for dimensions not shown)

Note: Thickness and width of sidewalk at NE corner of W. Approach slab varies. See dimensions and elevations on sht 9 of 20.

MIN. BAR LAP

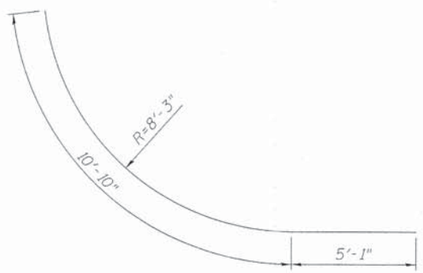
#4 = 2'-4"



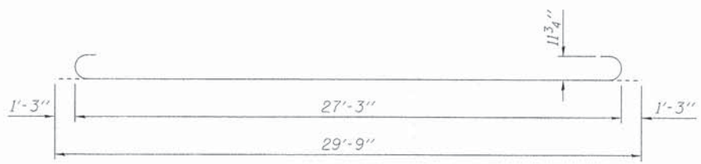
BAR c_2(E)

BAR c(E)

** In lieu of bottom leg, c(E) and c_2(E) bars may be cored and set according to Article 509.06 of the Standard Specifications. Cored holes shall be roughened or scored per manufacturer's recommendations. Maximum depth of cored hole shall not exceed 6".



BAR b_6(E)



BAR b_3(E)

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a_4(E)	50	#4	27'-1"	
a_5(E)	46	#5	51'-10"	
b_2(E)	42	#4	29'-8"	
b_3(E)	125	#9	29'-9"	
b_4(E)	7	#5	29'-8"	
b_5(E)	7	#5	13'-0"	
b_6(E)	1	#5	15'-11"	
c(E)	47	#5	2'-4"	
c_2(E)	44	#5	2'-7"	
c_3(E)	44	#5	6'-3"	
t(E)	106	#4	9'-8"	
w(E)	40	#5	51'-10"	
Concrete Superstructure			Cu. Yd.	84.4
Concrete Structures			Cu. Yd.	16.1
Reinforcement Bars, Epoxy Coated			Pound	20,560

a_2(E), a_3(E) and b_1(E) bars not used in this plan set.

LAYOUT	SMK/FLN	02/06/2014
DRAWN	MGM	06/09/2014
REVIEWED	FLN	06/10/2014

FILE NAME = Ø72-6Ø12-1IL0203B-Ø10-APPR SLAB DET 2	USER NAME = ander00846	DESIGNED - SMK/FLN	REVISED -
		DRAWN - MGM	REVISED -
Default	PLOT SCALE = Ø.2.ØØØØ '\' / in.	CHECKED - FLN	REVISED -
	PLOT DATE = Ø8\Ø4\2014	DATE - 06/20/2014	REVISED -

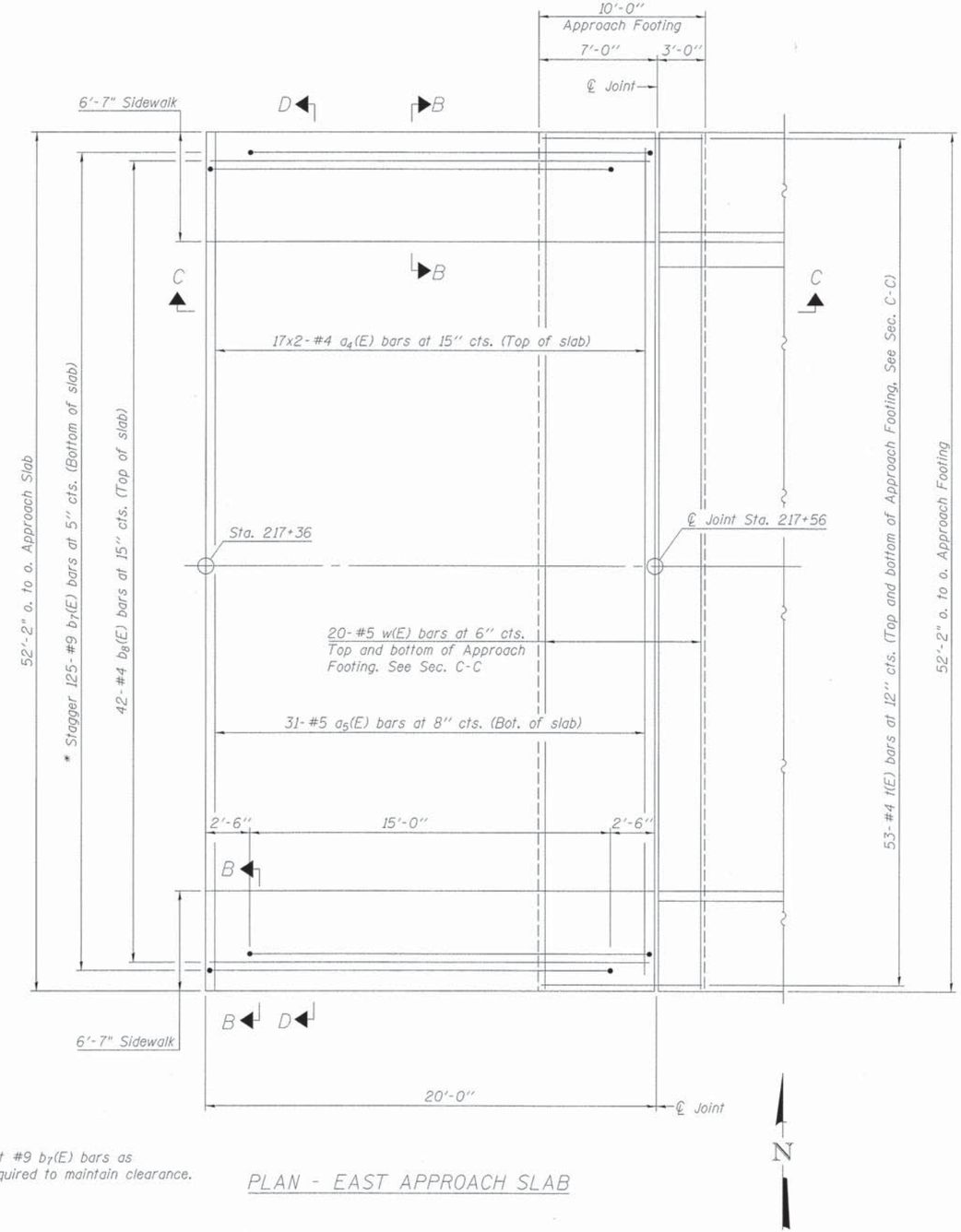
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WEST BRIDGE APPROACH SLAB DETAILS
NEBRASKA AVENUE BRIDGE

SCALE: | SHEET 10 OF 20 SHEETS | STA. | TO STA.

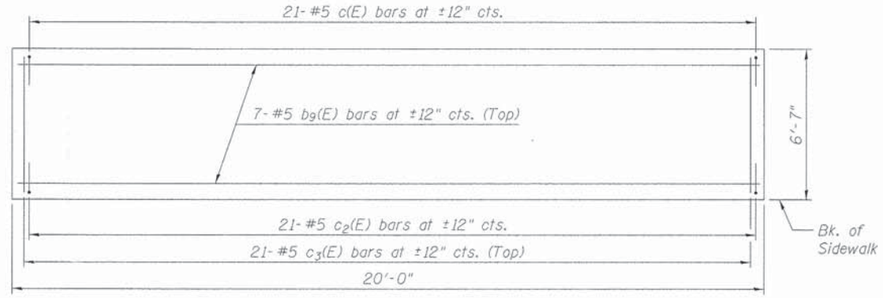
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6621	09-00344-00-BR	PEORIA	44	25
		CONTRACT NO. 89657		
	ILLINOIS FED. AID PROJECT BRM-5093(170)			

HANSON
Hanson Professional Services Inc.

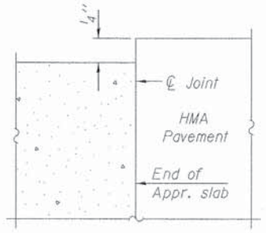


* Tilt #9 b_7(E) bars as required to maintain clearance.

PLAN - EAST APPROACH SLAB

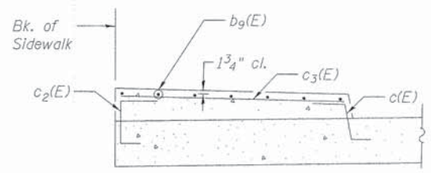


NORTH & SOUTH SIDEWALK REINF. PLAN



FLEXIBLE PAVEMENT

DETAIL A



SECTION B-B

Notes:
See sheet 12 of 20 for Sections C-C & D-D.
a_4(E) and a_5(E) bar spacings measured along ℄ Rdwy.
Bars indicated thus 25x2-#5 etc. indicates 25 lines of bars with 2 lengths per line.

LAYOUT	SMK/FLN	02/06/2014
DRAWN	MGM	06/09/2014
REVIEWED	FLN	06/10/2014

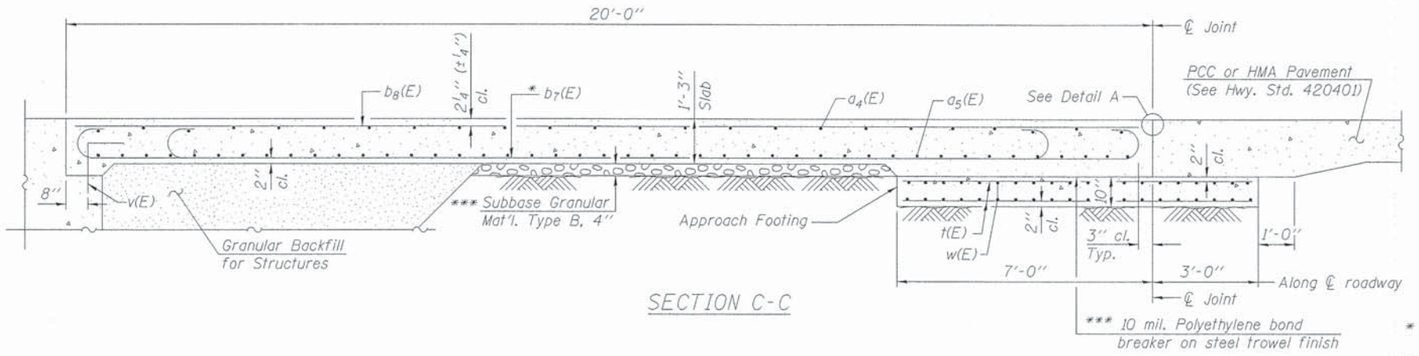
FILE NAME = 072-6012-1IL0203B-011-APPR SLAB DET 3	USER NAME = ander00046	DESIGNED - SMK/FLN	REVISED -
		DRAWN - MGM	REVISED -
	PLOT SCALE = 0.2.0000 '/ in.	CHECKED - FLN	REVISED -
Default	PLOT DATE = 08\04\2014	DATE - 06/20/2014	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

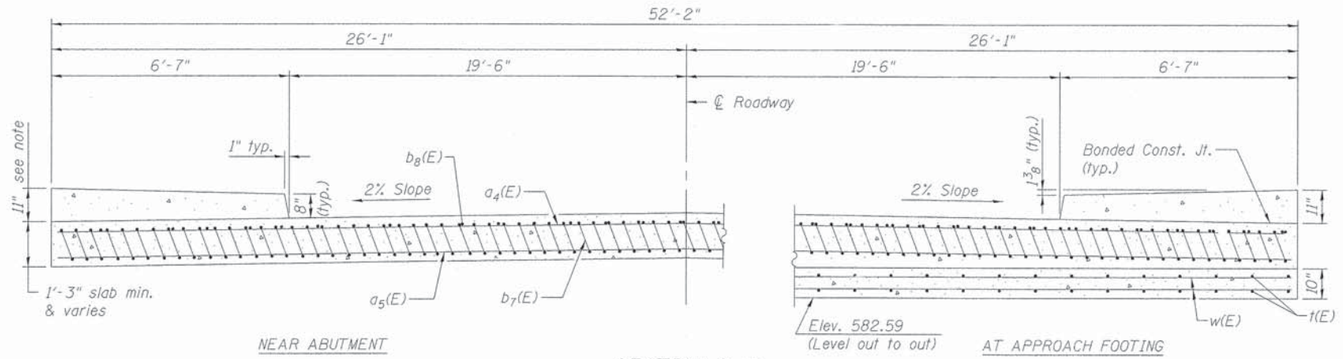
EAST BRIDGE APPROACH SLAB DETAILS
NEBRASKA AVENUE BRIDGE

SCALE: | SHEET 11 OF 20 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6621	09-00344-00-BR	PEORIA	44	26
		CONTRACT NO. 89657		
	ILLINOIS	FED. AID PROJECT	BRM-5093(170)	



SECTION C-C



SECTION D-D

(See Plan for dimensions not shown)

Notes:
- See sheet 11 of 20 for Detail A.
- Approach slab shall be paid for as Concrete Superstructure.
- Approach footing concrete shall be paid for as Concrete Structures.
- Reinforcement shall be paid for as Reinforcement Bars, Epoxy Coated.
- For v(E) bar details, see sheet 8 of 20.
- 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 2 of 20.

* Tilt #9 $b_7(E)$ bars as required to maintain clearance.

*** Cost included with Concrete Superstructure.

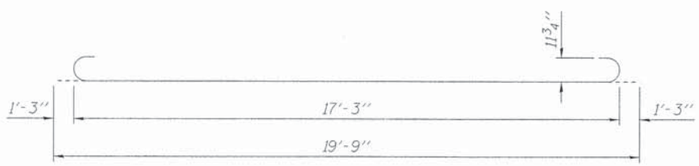
MIN. BAR LAP

#4 = 2'-4"

BAR $c_2(E)$

BAR c(E)

** In lieu of bottom leg, c(E) and $c_2(E)$ bars may be cored and set according to Article 509.06 of the Standard Specifications. Cored holes shall be roughened or scored per manufacturer's recommendations. Maximum depth of cored hole shall not exceed 6".



BAR $b_7(E)$

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
$a_4(E)$	34	#4	27'-1"	
$a_5(E)$	31	#5	51'-10"	
$b_7(E)$	125	#9	19'-9"	
$b_8(E)$	42	#4	19'-8"	
$b_9(E)$	14	#5	19'-8"	
c(E)	42	#5	2'-4"	
$c_2(E)$	42	#5	2'-7"	
$c_3(E)$	42	#5	6'-3"	
t(E)	106	#4	9'-8"	
w(E)	40	#5	51'-10"	
Concrete Superstructure			Cu. Yd.	61.1
Concrete Structures			Cu. Yd.	16.1
Reinforcement Bars, Epoxy Coated			Pound	14,860

$a_2(E)$, $a_3(E)$ and $b_1(E)$ bars not used in this plan set.

LAYOUT	SMK/FLN	02/06/2014
DRAWN	MGM	06/09/2014
REVIEWED	FLN	06/10/2014

FILE NAME = 072-6012-11L02038-012-APPR SLAB DET 4 Default	USER NAME = ander00846	DESIGNED - SMK/FLN	REVISED -
		DRAWN - MGM	REVISED -
	PLOT SCALE = 02.0000 '/ in.	CHECKED - FLN	REVISED -
	PLOT DATE = 06\04\2014	DATE - 6/20/2014	REVISED -

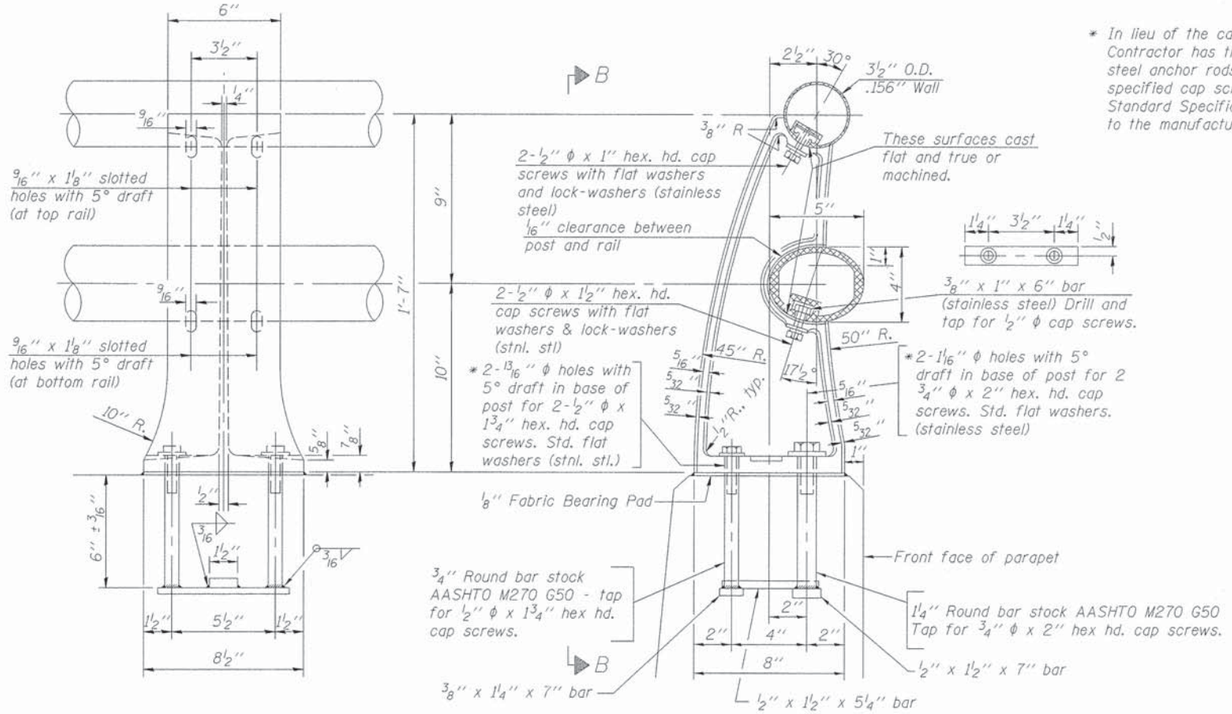
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EAST BRIDGE APPROACH SLAB DETAILS
NEBRASKA AVENUE BRIDGE

SCALE: | SHEET 12 OF 20 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6621	09-00344-00-BR	PEORIA	44	27
		CONTRACT NO. 89657		
	ILLINOIS FED. AID PROJECT BRM-5093(170)			

HANSON
Hanson Professional Services Inc.

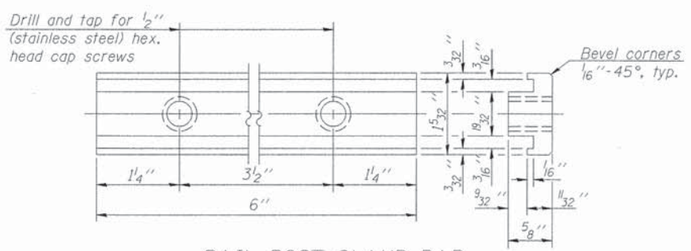


VIEW B-B

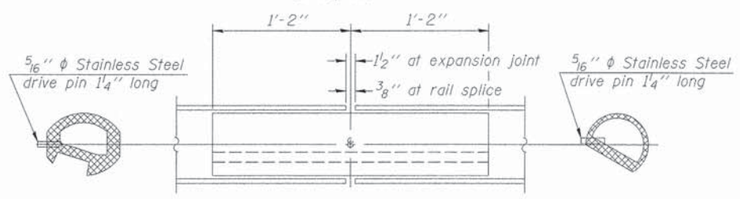
SECTION A-A

* 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.

RAIL POST DETAILS



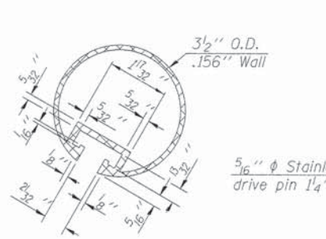
RAIL POST CLAMP BAR
For Top Rail



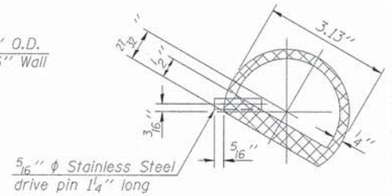
BOTTOM RAIL

TOP RAIL

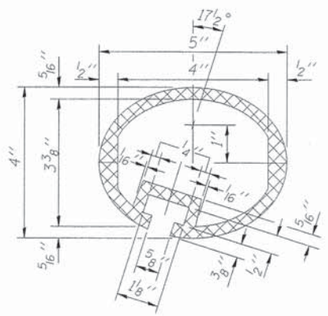
RAIL SPLICE



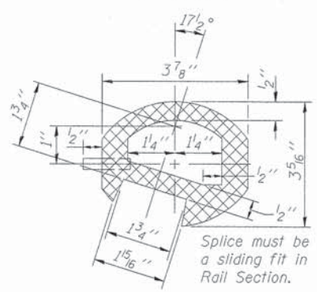
SECTION THRU TOP RAIL



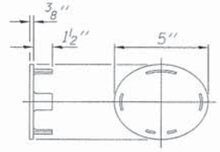
SECTION THRU SPLICE
For Top Rail



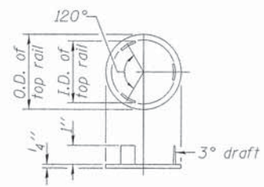
SEC. THRU ELLIPTICAL RAIL SECTION



SEC. THRU SPLICE

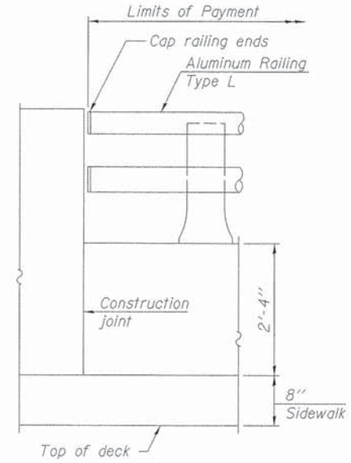


CAST END CAP
For bottom rail
DRIVE FIT TYPE



CAST END CAP
For top rail

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 7 of 20 for rail post spacing.



RAIL END TREATMENT

BILL OF MATERIAL

Item	Unit	Quantity
Aluminum Railing, Type L	Foot	104

LAYOUT	FLN	02/06/2014
DRAWN	MGM	02/06/2014
REVIEWED	FLN	04/11/2014

FILE NAME = 072-6012-ILB2038-013-RAIL	USER NAME = ander00846	DESIGNED - FLN	REVISED -
		DRAWN - MGM	REVISED -
Sheet	PLOT SCALE = 0.2.0000 '/ in.	CHECKED - FLN	REVISED -
	PLOT DATE = 08\04\2014	DATE - 06/20/2014	REVISED -

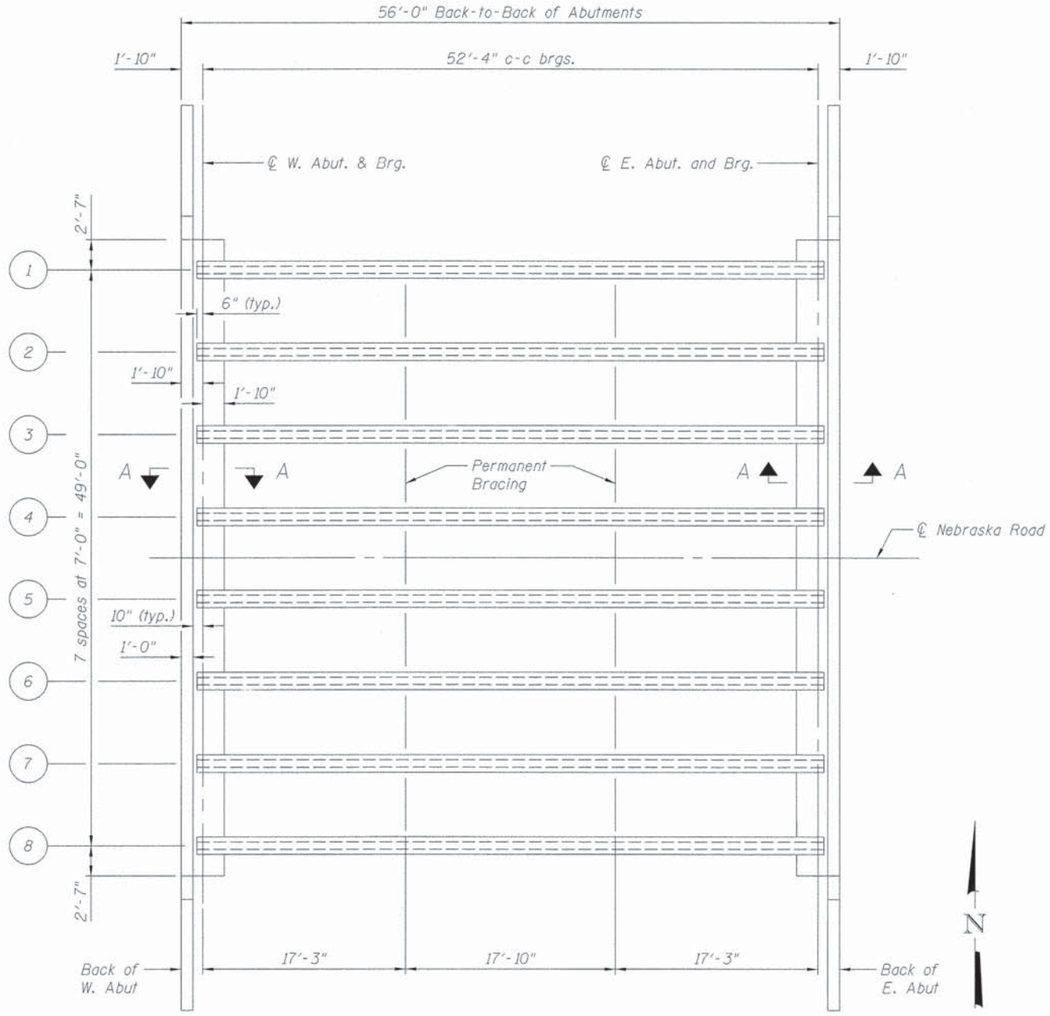
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ALUMINUM RAILING, TYPE L
NEBRASKA AVENUE BRIDGE

SCALE: | SHEET 13 OF 20 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6621	09-00344-00-BR	PEORIA	44	28
		CONTRACT NO. 89657		
	ILLINOIS FED. AID PROJECT BRM-5093(170)			

HANSON
Hanson Professional Services Inc.



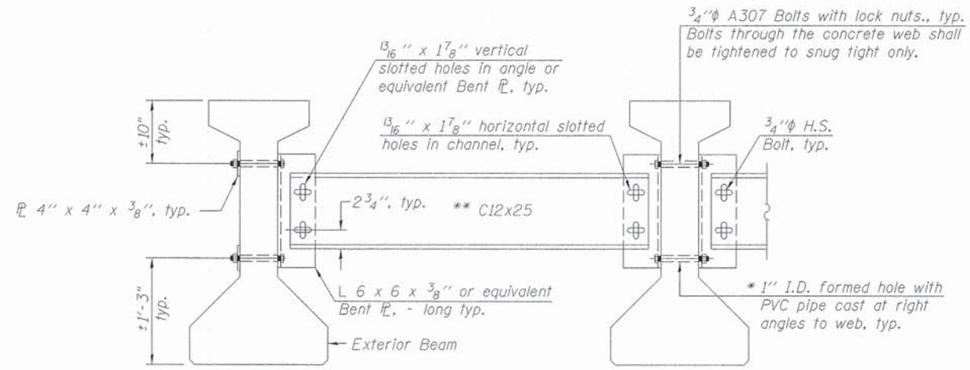
FRAMING PLAN

All Beams are Precast Prestressed Concrete I-Beams, 36"

INTERIOR BEAM MOMENT TABLE		
		0.5 Span
I	(in^4)	48,648
I'	(in^4)	178,840
S_b	(in^3)	3,165
S_b'	(in^3)	5,988
S_t	(in^3)	2,358
S_t'	(in^3)	29,159
DC1	(k/')	1.094
M_{DC1}	('k)	377
DC2	(k/')	0.269
M_{DC2}	('k)	93
DW	(k/')	0.244
M_{DW}	('k)	84
M_{L+IM}	('k)	765

INTERIOR BEAM REACTION TABLE		
		Abut.
R_{DC1}	(k)	28.7
R_{DC2}	(k)	7.1
R_{DW}	(k)	6.4
R_{L+IM}	(k)	71.0
R_{Total}	(k)	113.2

I: Non-composite moment of inertia of beam section ($in.^4$).
I': Composite moment of inertia of beam section ($in.^4$).
S_b: Non-composite section modulus for the bottom fiber of the prestressed beam ($in.^3$).
S_b': Composite section modulus for the bottom fiber of the prestressed beam ($in.^3$).
S_t: Non-composite section modulus for the top fiber of the prestressed beam ($in.^3$).
S_t': Composite section modulus for the top fiber of the prestressed beam ($in.^3$).
DC1: Un-factored non-composite dead load (kips/ft.).
M_{DC1}: Un-factored moment due to non-composite dead load (kip-ft.).
DC2: Un-factored long-term composite (superimposed excluding future wearing surface) dead load (kips/ft.).
M_{DC2}: Un-factored moment due to long-term composite (superimposed excluding future wearing surface) dead load (kip-ft.).
DW: Un-factored long-term composite (superimposed future wearing surface only) dead load (kips/ft.).
M_{DW}: Un-factored moment due to long-term composite (superimposed future wearing surface only) dead load (kip-ft).
M_{L+IM}: Un-factored live load moment plus dynamic load allowance (impact) (kip-ft.).



Notes:
All material for bracing shall be hot dip galvanized according to AASHTO M111 unless otherwise noted.
Two hardened washers are required for each set of oversized holes.
All holes shall be 15/16"ϕ unless otherwise noted.
5/16" x 3" x 3" plate washers are required over all slotted holes.
All bolts shall be galvanized according to AASHTO M232.
Bracing shall be installed as beams are erected and tightened as soon as possible during erection.
Permanent bracing shall not be paid for separately, but shall be included in the cost of Furnishing and Erecting Precast Prestressed Concrete I-Beams.
For section A-A, see sheet 8 of 20.

* Fabricator shall locate to miss strands within permissible tolerances.

** Alternate C12x30 channels are permitted to facilitate material acquisition.

PERMANENT BRACING DETAILS

LAYOUT	FLN	02/06/2014
DRAWN	MGM	02/06/2014
REVIEWED	FLN	04/11/2014

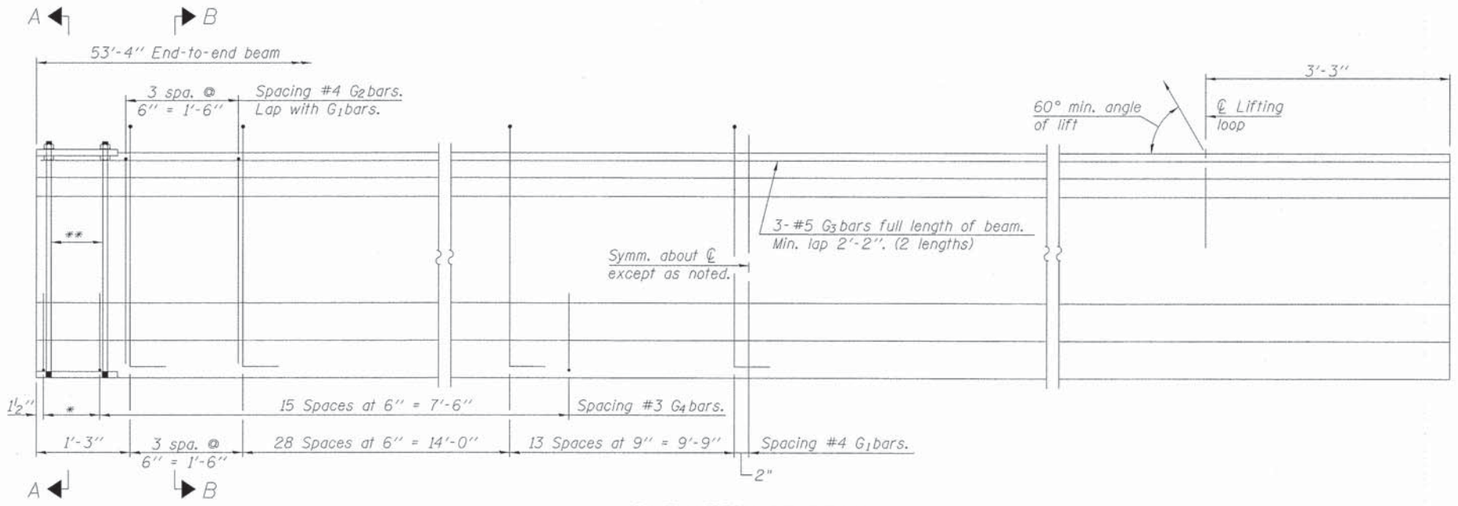
FILE NAME = 072-6012-11L02038-014-FRAMING	USER NAME = ender00846	DESIGNED - SMK	REVISED -
		DRAWN - MGM	REVISED -
Sheet	PLOT SCALE = 02.0000 '/ in.	CHECKED - FLN	REVISED -
	PLOT DATE = 08\04\2014	DATE - 06/20/2014	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FRAMING PLAN
NEBRASKA AVENUE BRIDGE

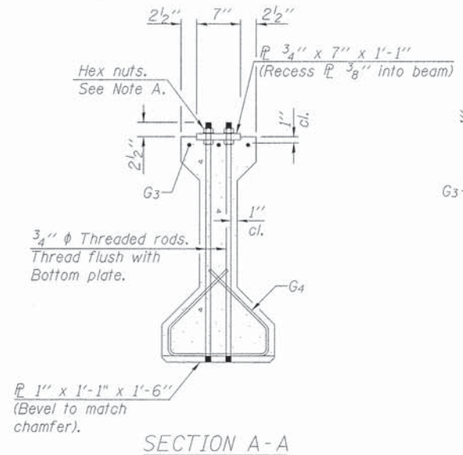
SCALE: | SHEET 14 OF 20 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6621	09-00344-00-BR	PEORIA	44	29
		CONTRACT NO. 89657		
		ILLINOIS FED. AID PROJECT	BRM-5093(170)	

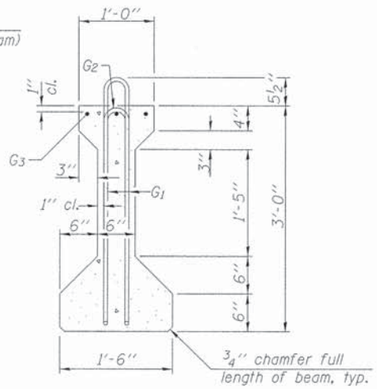


ELEVATION OF BEAM
(Showing reinforcement & dimensions)

* 3 spaces at 3" = 9".
** 4-¾" ϕ threaded dowel rods at 3" cts., Each Face

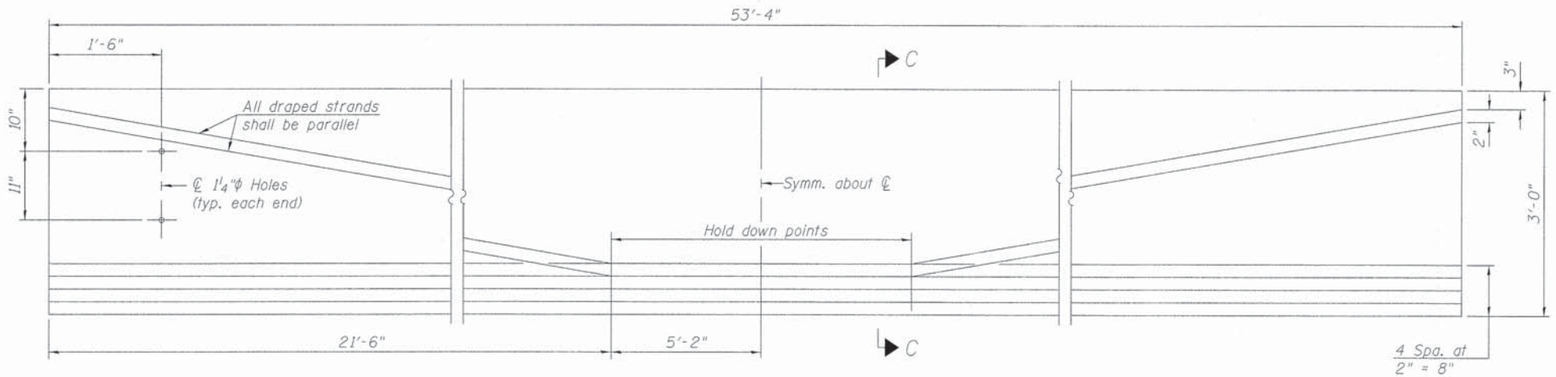


SECTION A-A

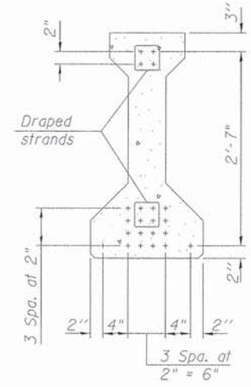


SECTION B-B

Note A:
Hex nuts (top and bottom) with lock washers (top). Only tighten sufficiently to compress lock washers.



ELEVATION OF BEAM
(Showing prestressing steel)



SECTION C-C

***BAR LIST
ONE BEAM ONLY

Bar	No.	Size	Length	Shape
G_1	92	#4	7'-7"	⊓L
G_2	8	#4	5'-8"	⊓
G_3	6	#5	27'-8"	——
G_4	38	#3	4'-1"	⌓

***For information only

Notes:
See sheet 16 of 20 for additional details and Bill of Material.
Required release strength, f'ci, shall be 5,000 psi.

HANSON
Hanson Professional Services Inc.

LAYOUT	SMK	02/06/2014
DRAWN	MGM	02/06/2014
REVIEWED	FLN	04/11/2014

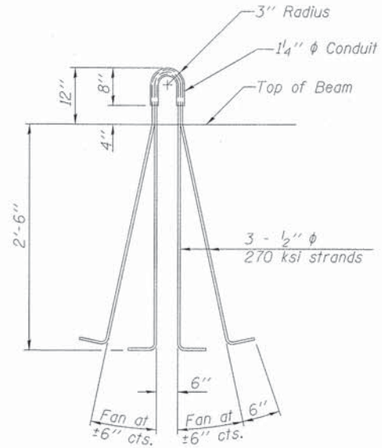
FILE NAME = 072-6012-11L0203B-015-1-BEAM	USER NAME = anderB0846	DESIGNED - SMK	REVISED -
		DRAWN - MGM	REVISED -
Sheet	PLOT SCALE = 0:2.0000 ':' / in.	CHECKED - FLN	REVISED -
	PLOT DATE = 08\04\2014	DATE - 06/20/2014	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FRAMING DETAILS
NEBRASKA AVENUE BRIDGE

SCALE: | SHEET 15 OF 20 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6621	09-00344-00-BR	PEORIA	44	30
		CONTRACT NO. 89657		
		ILLINOIS FED. AID PROJECT	BRM-5093(170)	



LIFTING LOOP DETAIL

NOTES

Inserts for ¾" ϕ threaded dowel rods, when specified, are to be two strut, ferrule type for interior beams and single ferrule, flared loop type for exterior beams.

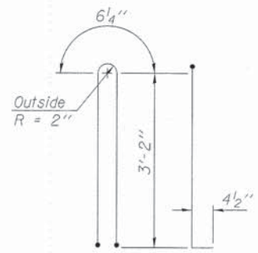
Prestressing steel shall be uncoated high strength, low relaxation 7-wire strand, Grade 270. The nominal diameter shall be ½" and the nominal cross-sectional area shall be 0.153 sq. in.

A minimum 2½" ϕ lifting pin shall be used to engage the lifting loops during handling.

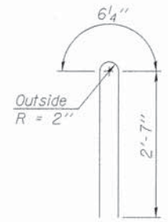
The top and bottom plates shall be AASHTO M270 Grade 50.

The bottom plates shall be galvanized according to AASHTO M111. Top plates and threaded rods need not be galvanized.

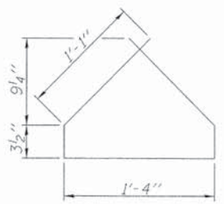
Threaded rods shall be ASTM F 1554 Grade 55.



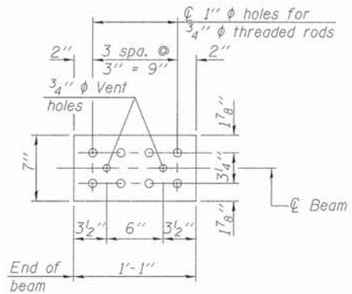
BAR G1



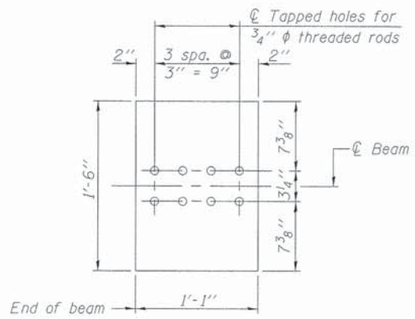
BAR G2



BAR G4



TOP PLATE



BOTTOM PLATE

See bearing details for pintle hole locations when required.

BILL OF MATERIAL

Item	Unit	Total
Furnishing and Erecting Precast Prestressed Concrete I-Beams, 36"	Ft.	426.7

LAYOUT	SMK	02/06/2014
DRAWN	MWH	02/06/2014
REVIEWED	FLN	04/11/2014

FILE NAME = 072-6012-11L0203B-016-I-BEAM DET	USER NAME = ander00846	DESIGNED - SMK	REVISED -
		DRAWN - MWH	REVISED -
	PLOT SCALE = 0.2.0000 '' / in.	CHECKED - FLN	REVISED -
Sheet	PLOT DATE = 08\04\2014	DATE - 06/20/2014	REVISED -

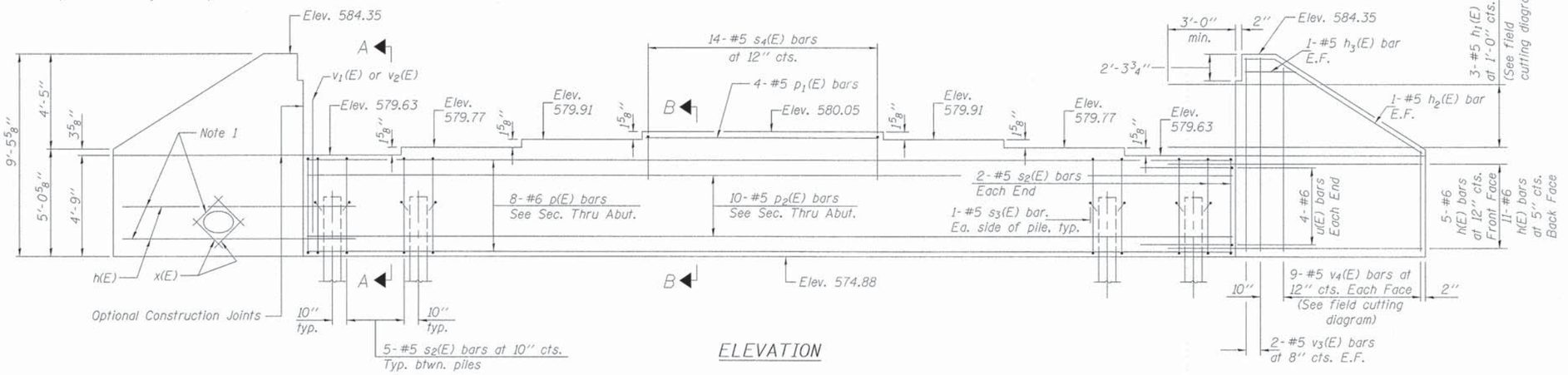
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FRAMING DETAILS
NEBRASKA AVENUE BRIDGE

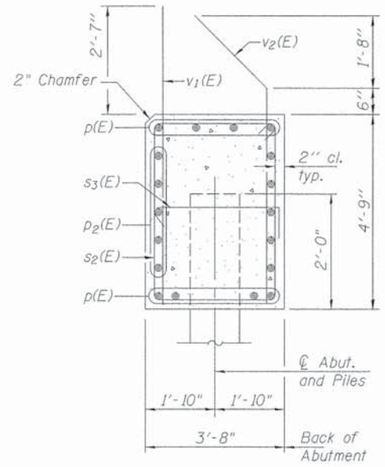
SCALE: | SHEET 16 OF 20 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6621	09-00344-00-BR	PEORIA	44	31
		CONTRACT NO. 89657		
	ILLINOIS FED. AID PROJECT BRM-5093(170)			

Notes:
Pour steps monolithically with cap.



ELEVATION

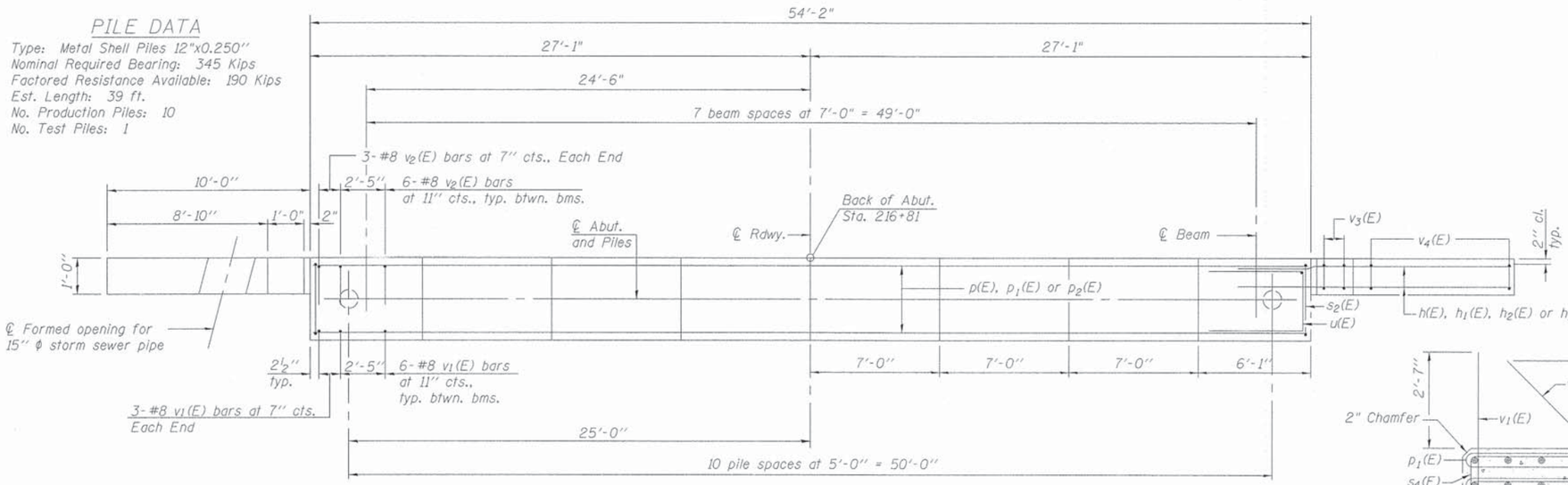


SECTION A-A
SEC. THRU ABUT.

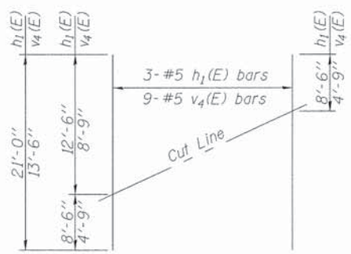
Note 1
Field cut typical reinforcement that interferes with proposed storm sewer pipe. Provide one additional h(E) bar above and below opening in each face. Provide four x(E) bars as shown in each face.

PILE DATA

Type: Metal Shell Piles 12"x0.250"
Nominal Required Bearing: 345 Kips
Factored Resistance Available: 190 Kips
Est. Length: 39 ft.
No. Production Piles: 10
No. Test Piles: 1

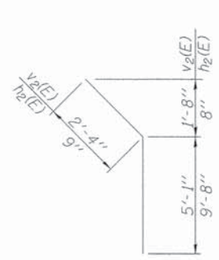


PLAN

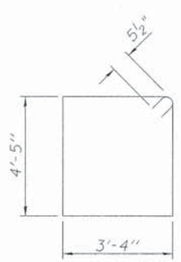


FIELD CUTTING DIAGRAM

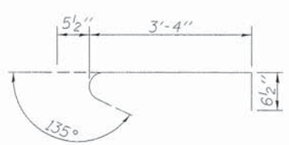
Order h_1(E) and v_4(E) full length. Cut as shown and use remainder of bars in opposite face.



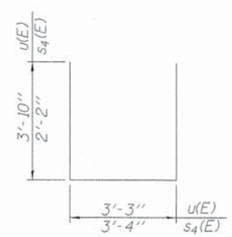
BAR v_2(E) & h_2(E)



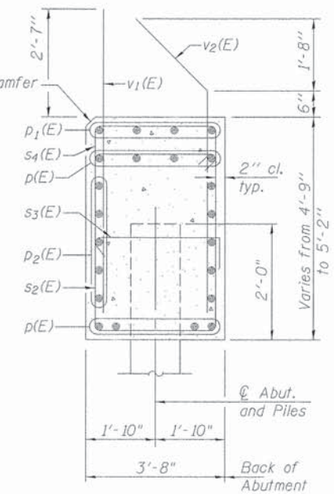
BAR s_2(E)



BAR s_3(E)



BAR u(E) & s_4(E)



SECTION B-B
SEC. THRU ABUT.

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h(E)	36	#6	12'-10"	
h_1(E)	6	#5	21'-0"	
h_2(E)	4	#5	10'-5"	
h_3(E)	4	#5	3'-0"	
p(E)	8	#6	53'-10"	
p_1(E)	4	#5	13'-8"	
p_2(E)	10	#5	53'-10"	
s_2(E)	54	#5	16'-5"	
s_3(E)	22	#5	4'-4"	
s_4(E)	14	#5	7'-8"	
u(E)	8	#6	10'-11"	
v_1(E)	48	#8	7'-1"	
v_2(E)	48	#8	7'-5"	
v_3(E)	8	#5	9'-2"	
v_4(E)	18	#5	13'-6"	
x(E)	8	#5	3'-0"	
Structure Excavation		Cu. Yd.	266	
Concrete Structures		Cu. Yd.	42.1	
Reinforcement Bars, Epoxy Coated		Pound	5,630	
Furnishing Metal Shell Piles, 12"x0.250"		Foot	390	
Driving Piles		Foot	390	
Test Pile, Metal Shell		Each	1	

For details of piles see sheet 19 of 20.

LAYOUT	FLN	04/04/2014
DRAWN	MGM	06/04/2014
REVIEWED	FLN	06/04/2014

FILE NAME = 072-6012-ILL02038-017-WEST_ABUT	USER NAME = ander00846	DESIGNED - FLN	REVISED -
		DRAWN - MGM	REVISED -
Sheet	PLOT SCALE = 02.0000 '' / in.	CHECKED - FLN	REVISED -
	PLOT DATE = 08\04\2014	DATE - 06/20/2014	REVISED -

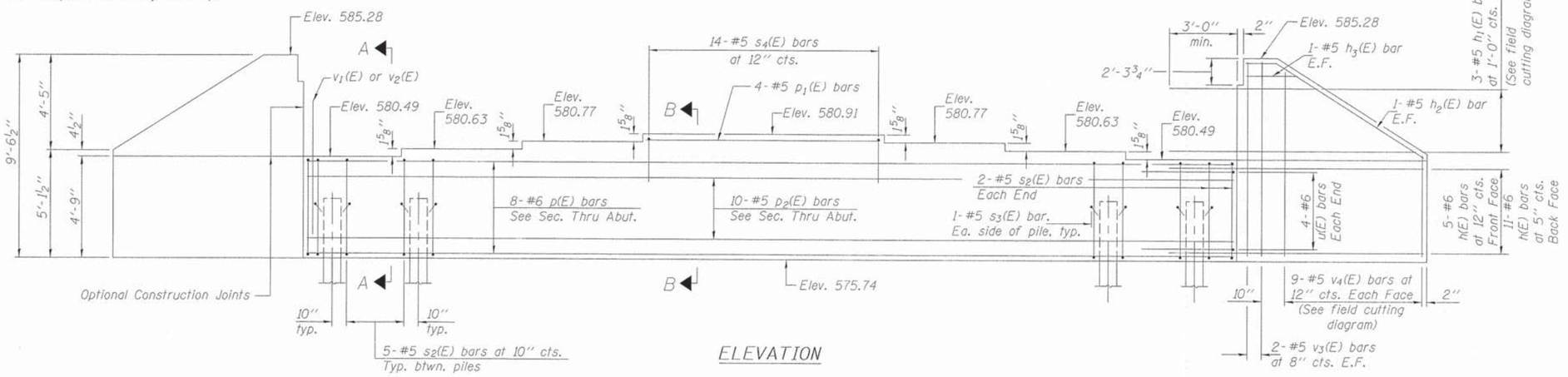
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WEST ABUTMENT
NEBRASKA AVENUE BRIDGE

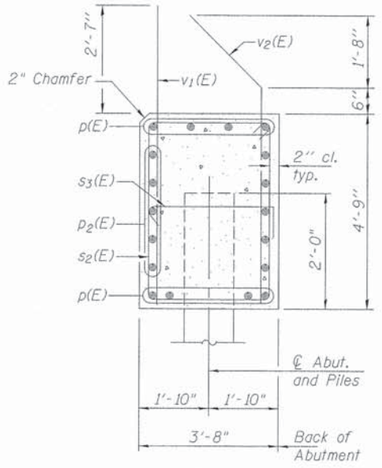
SCALE: | SHEET 17 OF 20 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6621	09-00344-00-BR	PEORIA	44	32
		CONTRACT NO. 89657		
	ILLINOIS FED. AID PROJECT BRM-5093(170)			

Notes:
Pour steps monolithically with cap.



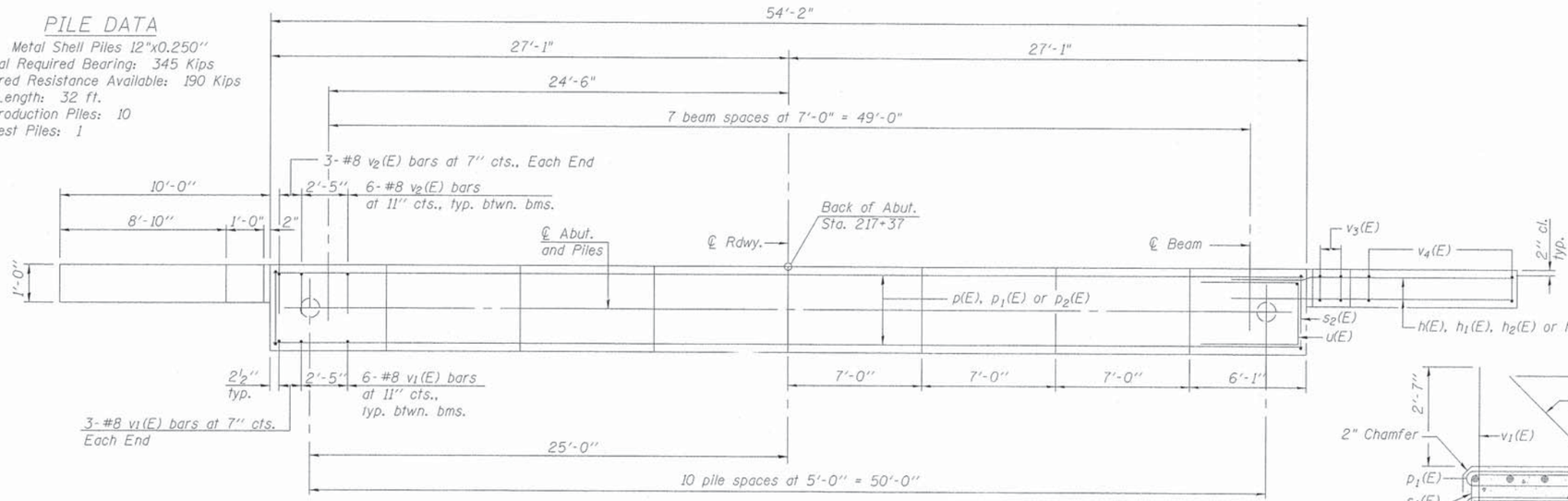
ELEVATION



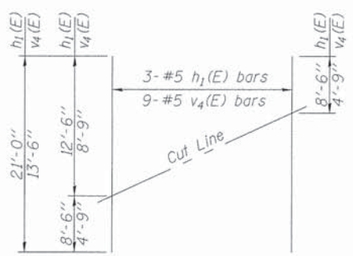
SECTION A-A
SEC. THRU ABUT.

PILE DATA

Type: Metal Shell Piles 12"x0.250"
Nominal Required Bearing: 345 Kips
Factored Resistance Available: 190 Kips
Est. Length: 32 ft.
No. Production Piles: 10
No. Test Piles: 1

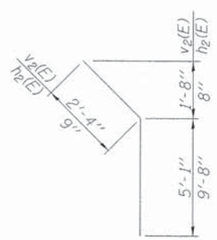


PLAN

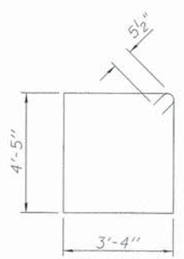


FIELD CUTTING DIAGRAM

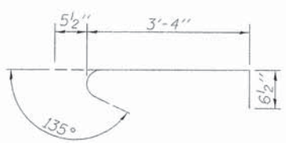
Order h_1(E) and v_4(E) full length. Cut as shown and use remainder of bars in opposite face.



BAR v_2(E) & h_2(E)

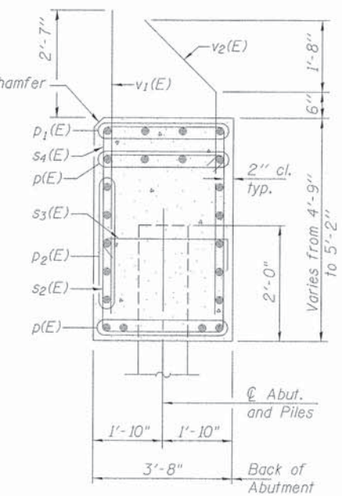


BAR s_2(E)



BAR s_3(E)

BAR u(E) & s_4(E)



SECTION B-B
SEC. THRU ABUT.

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h(E)	32	#6	12'-10"	
h_1(E)	6	#5	21'-0"	
h_2(E)	4	#5	10'-5"	
h_3(E)	4	#5	3'-0"	
p(E)	8	#6	53'-10"	
p_1(E)	4	#5	13'-8"	
p_2(E)	10	#5	53'-10"	
s_2(E)	54	#5	16'-5"	
s_3(E)	22	#5	4'-4"	
s_4(E)	14	#5	7'-8"	
u(E)	8	#6	10'-11"	
v_1(E)	48	#8	7'-1"	
v_2(E)	48	#8	7'-5"	
v_3(E)	8	#5	9'-2"	
v_4(E)	18	#5	13'-6"	
Structure Excavation			Cu. Yd.	256
Concrete Structures			Cu. Yd.	42.1
Reinforcement Bars, Epoxy Coated			Pound	5,530
Furnishing Metal Shell Piles, 12"x0.250"			Foot	320
Driving Piles			Foot	320
Test Pile, Metal Shell			Each	1

For details of piles see sheet 19 of 20.

LAYOUT	FLN	04/04/2014
DRAWN	MGM	06/03/2014
REVIEWED	FLN	06/03/2014

FILE NAME = 072-6012-11L0203B-018-EAST_ABUT	USER NAME = ander00846	DESIGNED - FLN	REVISED -
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Sheet	PLOT DATE = 08\04\2014	DATE - 06/20/2014	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

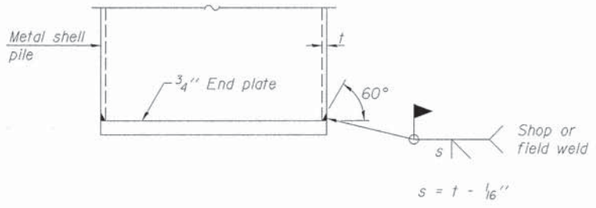
EAST ABUTMENT
NEBRASKA AVENUE BRIDGE

SCALE: | SHEET 18 OF 20 SHEETS | STA. | TO STA.

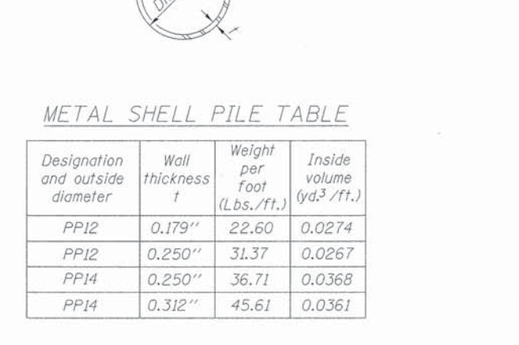
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6621	09-00344-00-BR	PEORIA	44	33
		CONTRACT NO. 89657		
		ILLINOIS FED. AID PROJECT BRM-5093(170)		

METAL SHELL PILE TABLE

Designation and outside diameter	Wall thickness t	Weight per foot (Lbs./ft.)	Inside volume (yd^3/ft.)
PP12	0.179"	22.60	0.0274
PP12	0.250"	31.37	0.0267
PP14	0.250"	36.71	0.0368
PP14	0.312"	45.61	0.0361



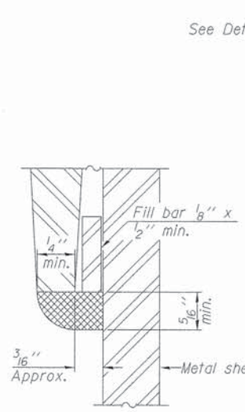
END PLATE ATTACHMENT



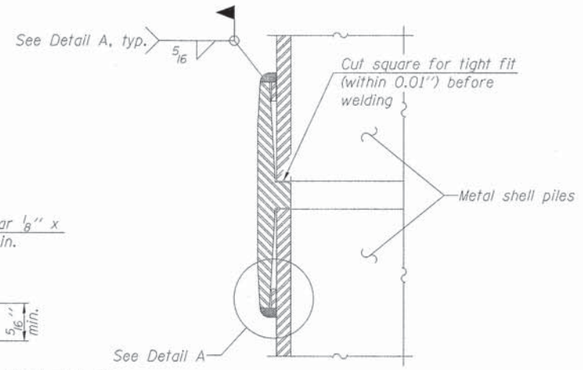
Note A:
When called for on the plans, the Contractor shall furnish metal shell pile shoes consisting of a single piece conical pile point as shown. The pile shoes shall be cast in one piece steel according to either ASTM A 148 Grade 90-60 or AASHTO M 103 Grade 65-35 and shall provide full bearing over the full circumference of the metal shell pile. The pile shoe shall have tapered leads to assure proper alignment and fitting and shall be secured to the pile with a circumferential weld.

METAL SHELL PILE SHOE ATTACHMENT

(See Note A)

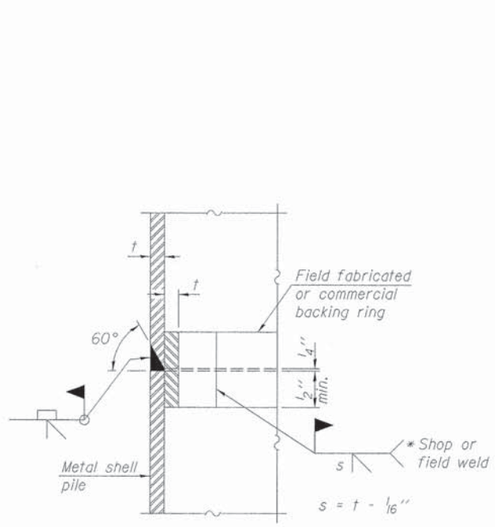


DETAIL A



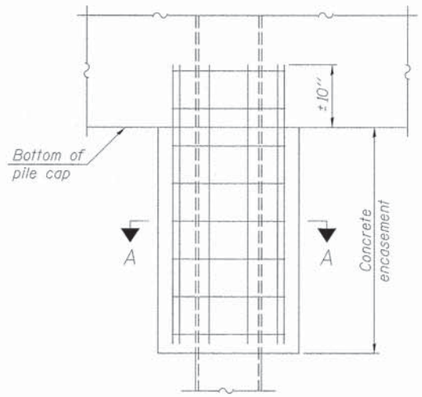
Notes:
The 1/8" x 1/2" min. fill bar may be constructed of 2 bars with a 1/8" max. gap between them.
Pile segments shall be driven to solid contact with splicer before welding.

WELDED COMMERCIAL SPLICE

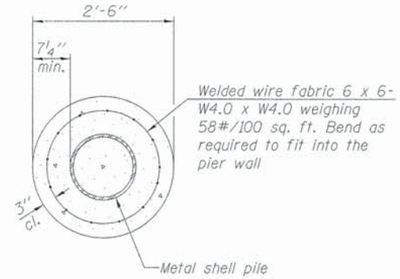


COMPLETE PENETRATION WELD SPLICE

* Field fabricated backing ring may be made from pile shell by removing segment to allow reducing circumference and vertically rejoin with partial joint penetration weld.



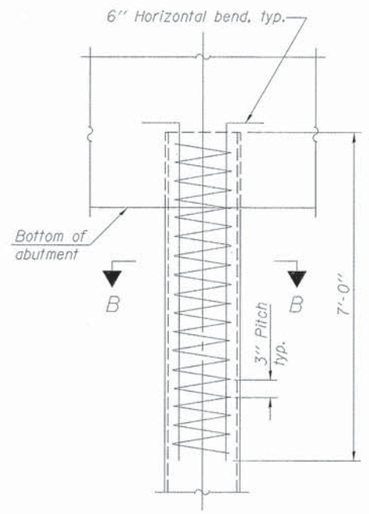
ELEVATION



SECTION A-A

Note:
Forms for encasement may be omitted when soil conditions permit.

CONCRETE ENCASEMENT AT PIERS



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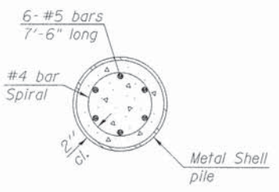

SECTION B-B

METAL SHELL REINFORCEMENT AT ABUTMENTS

Note:
The metal shell piles shall be according to ASTM A 252 Grade 3.

LAYOUT	FLN	02/06/2014	
DRAWN	MGM	02/06/2014	
REVIEWED	FLN	04/11/2014	

FILE NAME = 072-6012-11L0203B-819-MTL SHELL PILE	USER NAME = ander20846	DESIGNED - FLN	REVISED -
		DRAWN - MGM	REVISED -
Sheet	PLOT SCALE = 0.2.0000 '' / in.	CHECKED - FLN	REVISED -
	PLOT DATE = 08\04\2014	DATE - 06/20/2014	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

METAL SHELL PILE DETAILS
NEBRASKA AVENUE BRIDGE

SCALE: | SHEET 19 OF 20 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6621	09-00344-00-BR	PEORIA	44	34
		CONTRACT NO. 89657		
	ILLINOIS	FED. AID PROJECT	BRM-5093(170)	

ILLINOIS DEPARTMENT OF TRANSPORTATION
Testing Service Corporation
STRUCTURE BORING LOG

Page 1 of 1
Date 10/21/13

ROUTE Nebraska Avenue DESCRIPTION Bridge Over Dry Run Creek

SECT. _____ STRUCT. NO. 072-6002 DRILLED BY Bruno Williamson

COUNTY Peoria LOCATION Peoria S. 33 , TWP. 9N , RNG. 8E

Boring No. B-11
Station 216+76
Offset 17.00ft LT
Surface Elev. 583.50 ft

Surface Water Elev. _____
Groundwater Elev.:
when drilling 563.5
at Completion 575.5
after _____ Hrs. _____

DEPTH	BLOWS		Qu tsf	W %
583.20 / 582.70 Bituminous Pavement / Concrete Pavement				
Aggregate Base	5			8
	6			
	4			
580.50				
Very loose brown SANDY LOAM, moist	3			15
	2			
-5	1			
577.50				
Medium stiff to stiff brown SILTY CLAY LOAM, moist	2	B	0.62	22
	1			
	1			
	0	B	1.28	16
	2			
-10	2			
573.00				
Loose to medium dense brown fine to coarse SAND, trace small gravel, wet	1			
	2			
	3			
	4			
	5			
-15	6			
568.00				
Dense gray fine to coarse SAND and small GRAVEL, saturated	3			
	9			
	30			
	4			
	17			
-20	13			
563.00				
Very stiff to hard gray SILTY CLAY LOAM, moist	6	P	3.0	16
	9			
	9			
	5	B	3.77	12
	10			
-25	13			

DEPTH	BLOWS		Qu tsf	W %
Very stiff to hard gray SILTY CLAY LOAM, moist	4	B		12
	7		3.65	
	10			
	5	B		12
	9		4.43	
-30	12			
	5	B		13
	7		3.65	
-35	10			
	5	B		13
	7		4.18	
-40	10			
	2	B		13
	6		2.79	
-45	8			
End of Boring at 50' 533.50	3	B		13
	7		3.12	
-50	10			

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

ILLINOIS DEPARTMENT OF TRANSPORTATION
Testing Service Corporation
STRUCTURE BORING LOG

Page 1 of 1
Date 10/21/13

ROUTE Nebraska Ave. DESCRIPTION Bridge Over Dry Run Creek

SECT. _____ STRUCT. NO. 072-6002 DRILLED BY Bruno Williamson

COUNTY Peoria LOCATION Peoria S. 4 , TWP. 8N , RNG. 8E

Boring No. B-12
Station 217+41
Offset 17.00ft RT
Surface Elev. 584.50 ft

Surface Water Elev. _____
Groundwater Elev.:
when drilling 570.0
at Completion 572.5
after _____ Hrs. _____

DEPTH	BLOWS		Qu tsf	W %
584.20 / 583.70 Bituminous Pavement / Concrete Pavement				
Aggregate Base	1	P		17
	1		0.25	
582.50	2			
Very soft dark brown SILTY LOAM, moist				
	1	P		15
	1		0.25	
-5	1			
579.00				
Very loose brown SAND and GRAVEL, with clay binder, moist	1			13
	1			
	2			
	0			15
	2			
574.50 -10	2			
Dense to medium dense brown SAND and GRAVEL, with clay binder, moist	6			10
	22			
	11			
	2			12
	6			
-15	19			
569.00				
Medium dense brown fine to coarse SAND and small GRAVEL, saturated	8			
	11			
	10			
	10			
	12			
-20	12			
564.00				
Medium dense gray fine to coarse SAND and small GRAVEL, saturated	9			
	11			
	16			
561.50				
Stiff to very stiff gray SILTY CLAY LOAM, moist	2	P		16
	5		1.5	
-25	8			

DEPTH	BLOWS		Qu tsf	W %
Stiff to very stiff gray SILTY CLAY LOAM, moist	5	B		13
	8		2.50	
	12			
	3	B		13
	7		3.69	
-30	10			
	4	P		15
	10		1.5	
-35	12			
546.50				
Very dense gray SANDY LOAM, moist	7			12
	22			
-40	32			
543.50				
Very dense gray fine to coarse SAND and small GRAVEL, saturated	5			11
	22			
-45	31			
536.50				
Very stiff gray SILTY CLAY LOAM, moist	6	S		14
	10		2.58	
End of Boring at 50' 534.50 -50	12			

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

LAYOUT	SMK	02/06/2014
DRAWN	MWH	02/06/2014
REVIEWED	FLN	04/11/2014

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Sheet	PLOT DATE = 08\04\2014	DATE - 06/20/2014	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

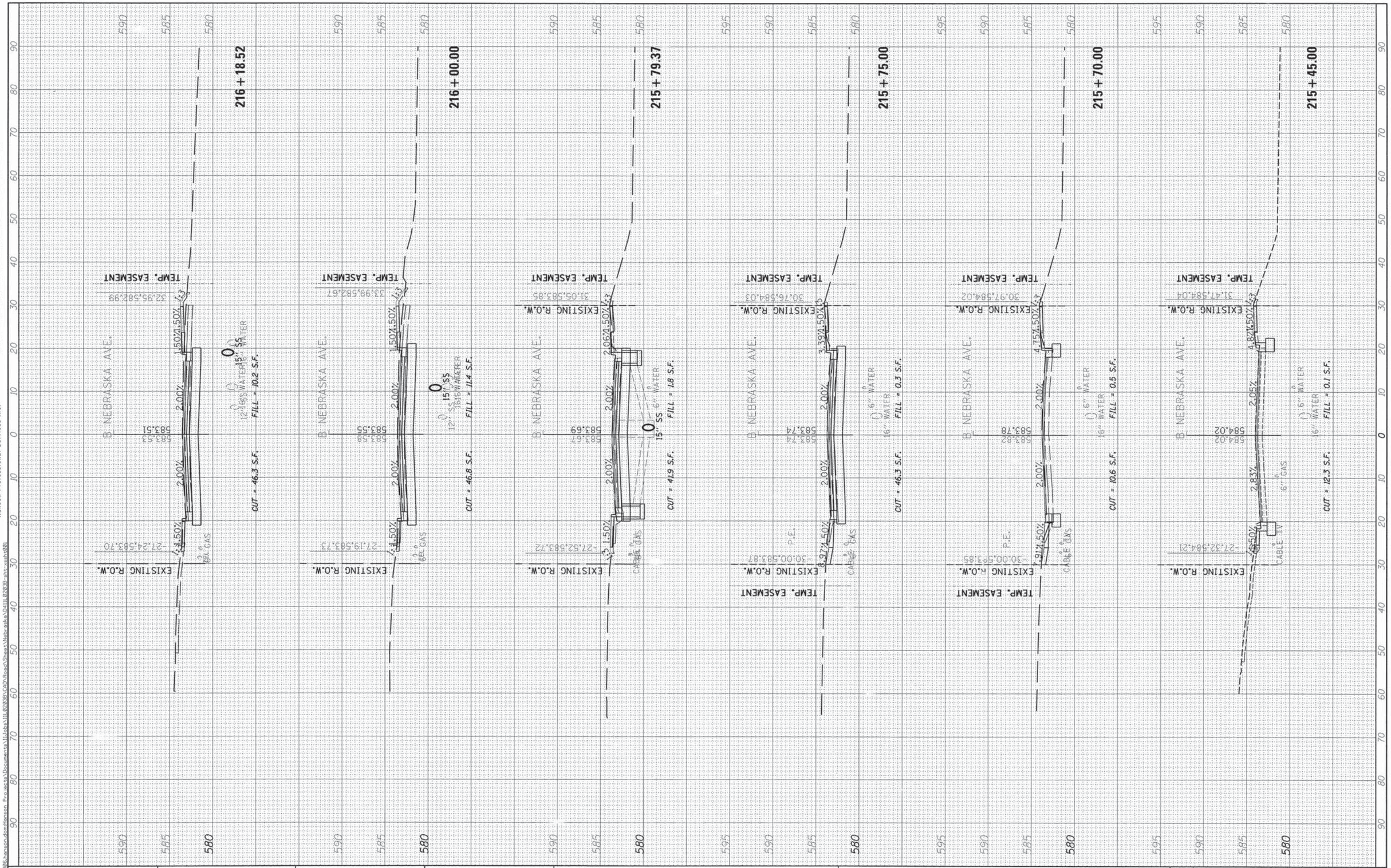
BORING LOGS
NEBRASKA AVENUE BRIDGE
SCALE: SHEET 20 OF 20 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6621	09-00344-00-BR	PEORIA	44	35
		CONTRACT NO. 89657		
	ILLINOIS FED. AID PROJECT BRM-5093(170)			

HANSON
Hanson Professional Services Inc.

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

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



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Default	PLOT DATE = 08\04\2014	DATE - 7/31/2014	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

NEBRASKA AVENUE
CROSS SECTIONS

SCALE: | SHEET OF SHEETS | STA. 215+45.00 TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6621	09-00344-00-BR	PEORIA	44	36
		CONTRACT NO.89657		
	ILLINOIS FED. AID PROJECT	BRM-5093(170)		

HANSON
Hanson Professional Services Inc.

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		

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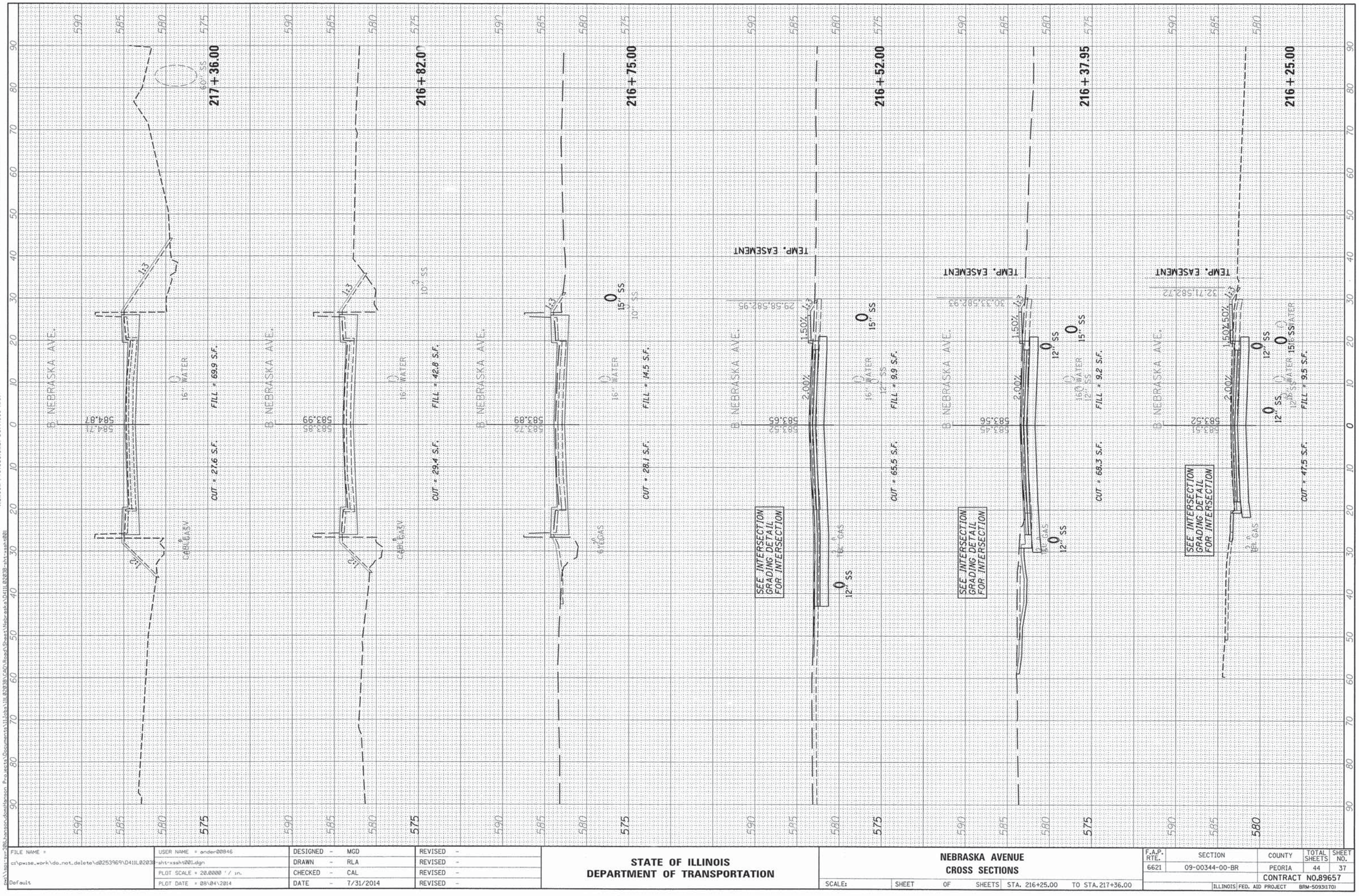

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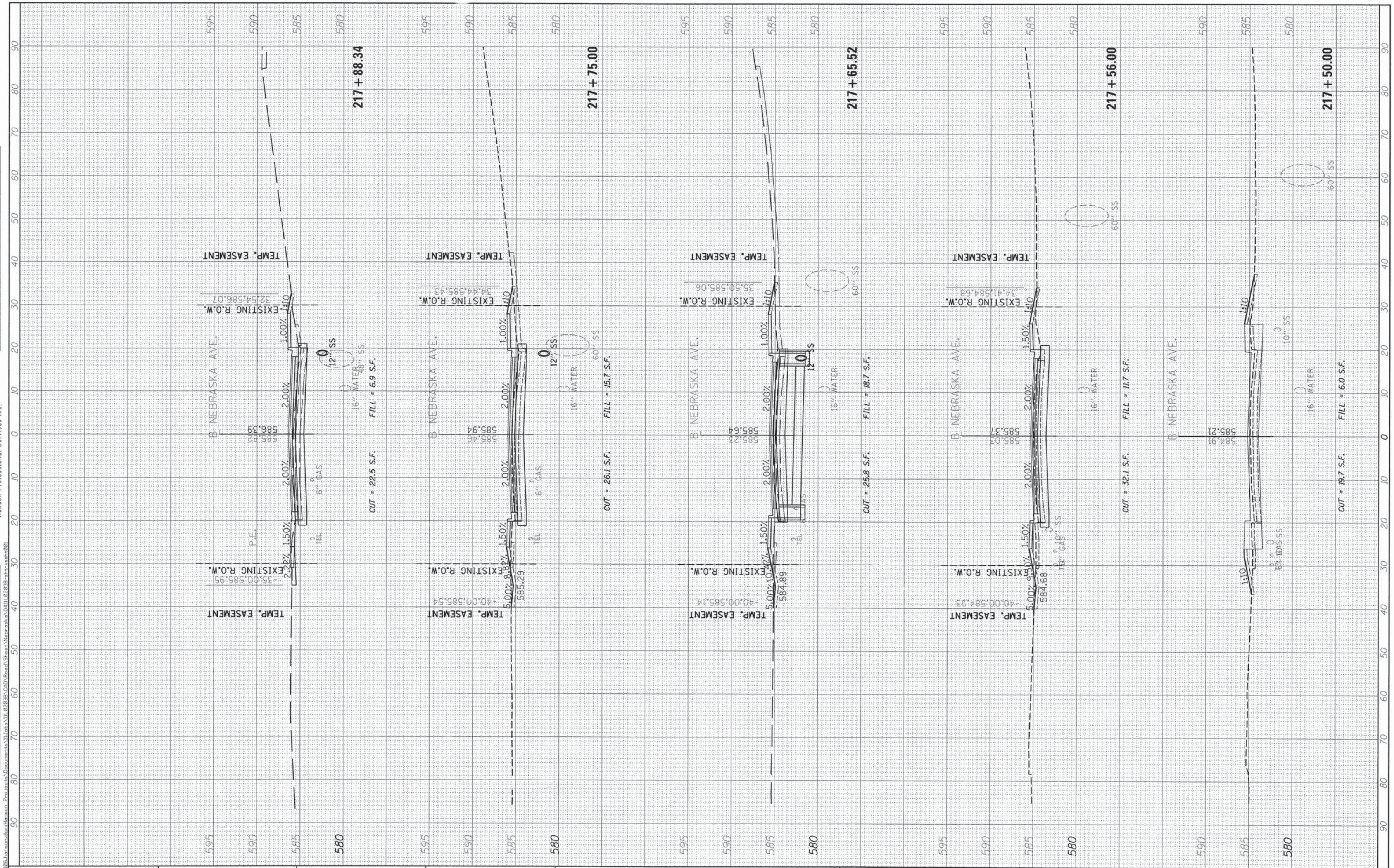
Default	PLOT DATE = 08\04\2014	DATE - 7/31/2014	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

NEBRASKA AVENUE
CROSS SECTIONS

SCALE: | SHEET OF SHEETS | STA. 216+25.00 TO STA. 217+36.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6621	09-00344-00-BR	PEORIA	44	37
		CONTRACT NO.89657		
	ILLINOIS FED. AID PROJECT BRM-5093(170)			



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Hanson Professional Services Inc.

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Default	PLOT DATE = 08\04\2014	DATE - 7/31/2014	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

NEBRASKA AVENUE
CROSS SECTIONS

SCALE: SHEET OF SHEETS STA. TO STA. 217+88.34

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6621	09-00344-00-BR	PEORIA	44	38
		CONTRACT NO.89657		
	ILLINOIS FED. AID PROJECT	BRM-5093(170)		

HANSON
Hanson Professional Services Inc.

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NOTE BOOK	TEMPLATE		
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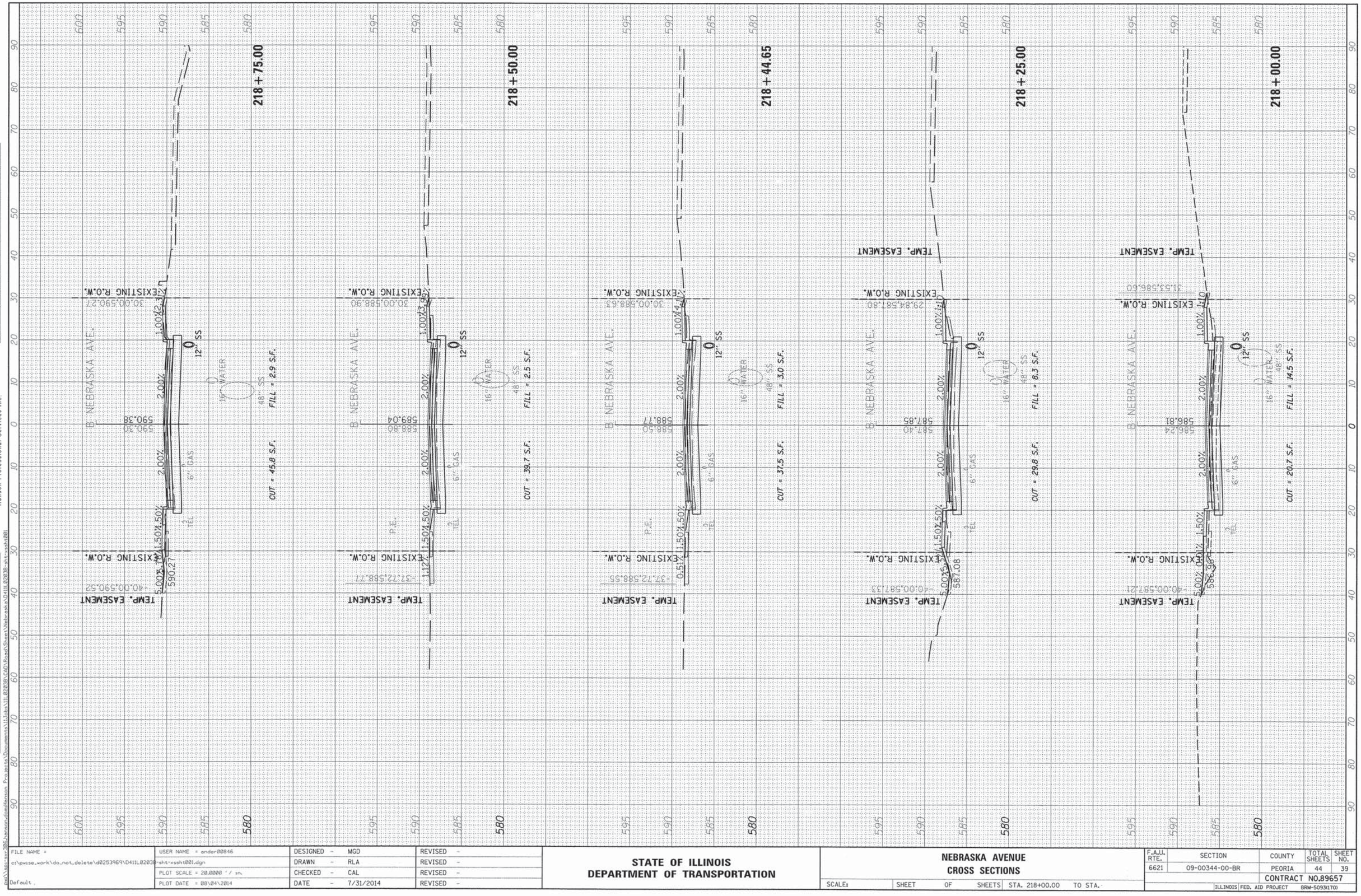
NO.	AREAS CHECKED		



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	PLOTTED		
NOTE BOOK	TEMPLATE		
	AREAS		
NO.	AREAS CHECKED		

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

NEBRASKA AVENUE
CROSS SECTIONS

SCALE: | SHEET OF SHEETS | STA. 218+00.00 TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6621	09-00344-00-BR	PEORIA	44	39
		CONTRACT NO.89657		
	ILLINOIS FED. AID PROJECT BRM-5093(170)			

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

ORIGINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
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NO. AREAS CHECKED		

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Default	PLOT DATE = 08\04\2014	DATE - 7/31/2014	REVISED -

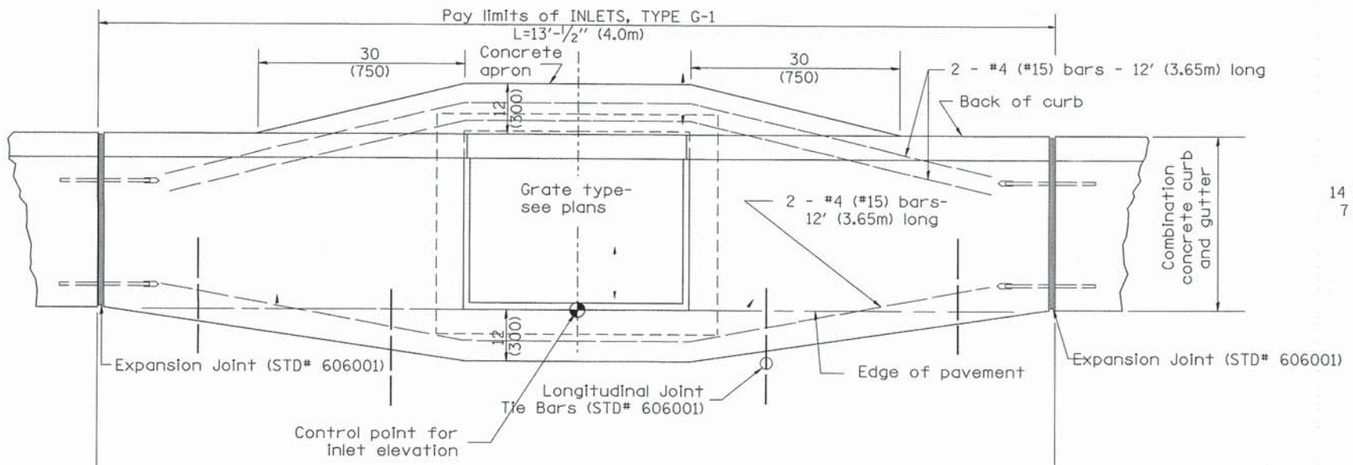
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

NEBRASKA AVENUE
CROSS SECTIONS

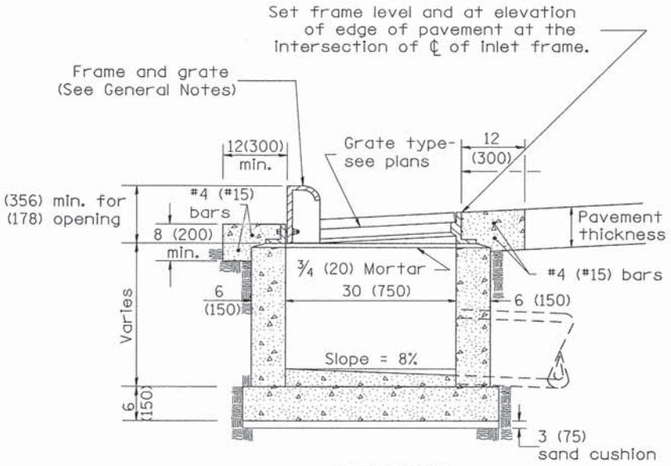
SCALE: | SHEET OF SHEETS | STA. 218+91.05 TO STA. 219+30.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6621	09-00344-00-BR	PEORIA	44	40

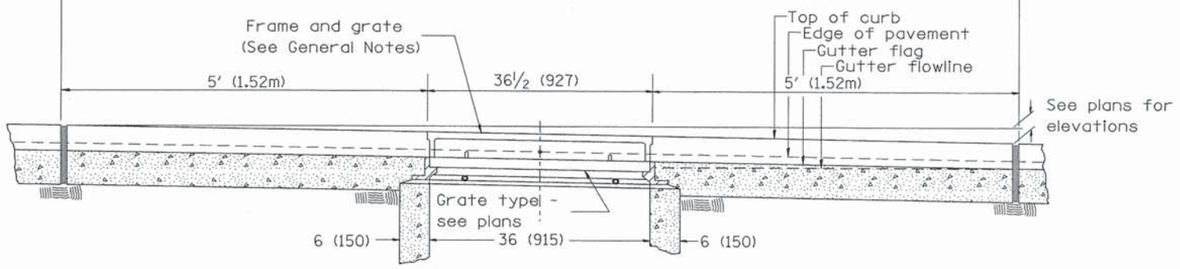
CONTRACT NO. 89657
ILLINOIS FED. AID PROJECT BRM-5093(170)



PLAN



ELEVATION
SIDE



ELEVATION
FRONT

GENERAL NOTES

1. Inlet construction shall be in accordance with Section 602 of the Standard Specifications.
2. Combination Concrete Curb & Gutter shall be constructed in accordance with Section 606 of the Standard Specifications.
3. See District CADD Standard 604001-D4 for frame and grates.

DESIGNER NOTES:

1. Include State Standard 606001 for combination concrete curb and gutter details.
2. Include State Standard 420001 for pavement joints.
3. Include District CADD Standard for frame and grates and specify grate type in plans.
4. Include District Special Provision. Pay Item includes transitional c.c.c &g., Inlet and frame and grate. All work within pay limits.
5. The designer should include pavement removal quantities when the apron requires pavement removal.

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

01-01-97	RENUM. B-4.01, NEW REVISION BOX	T.P.					
10-99	REVISION TO GENERAL NOTES	J.A.					
02-00	REVISION TO DESIGNER NOTES	J.A.					
10-16-06	REVISED TO 2007 SPEC.	M.A.					

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INLETS, TYPE G-1

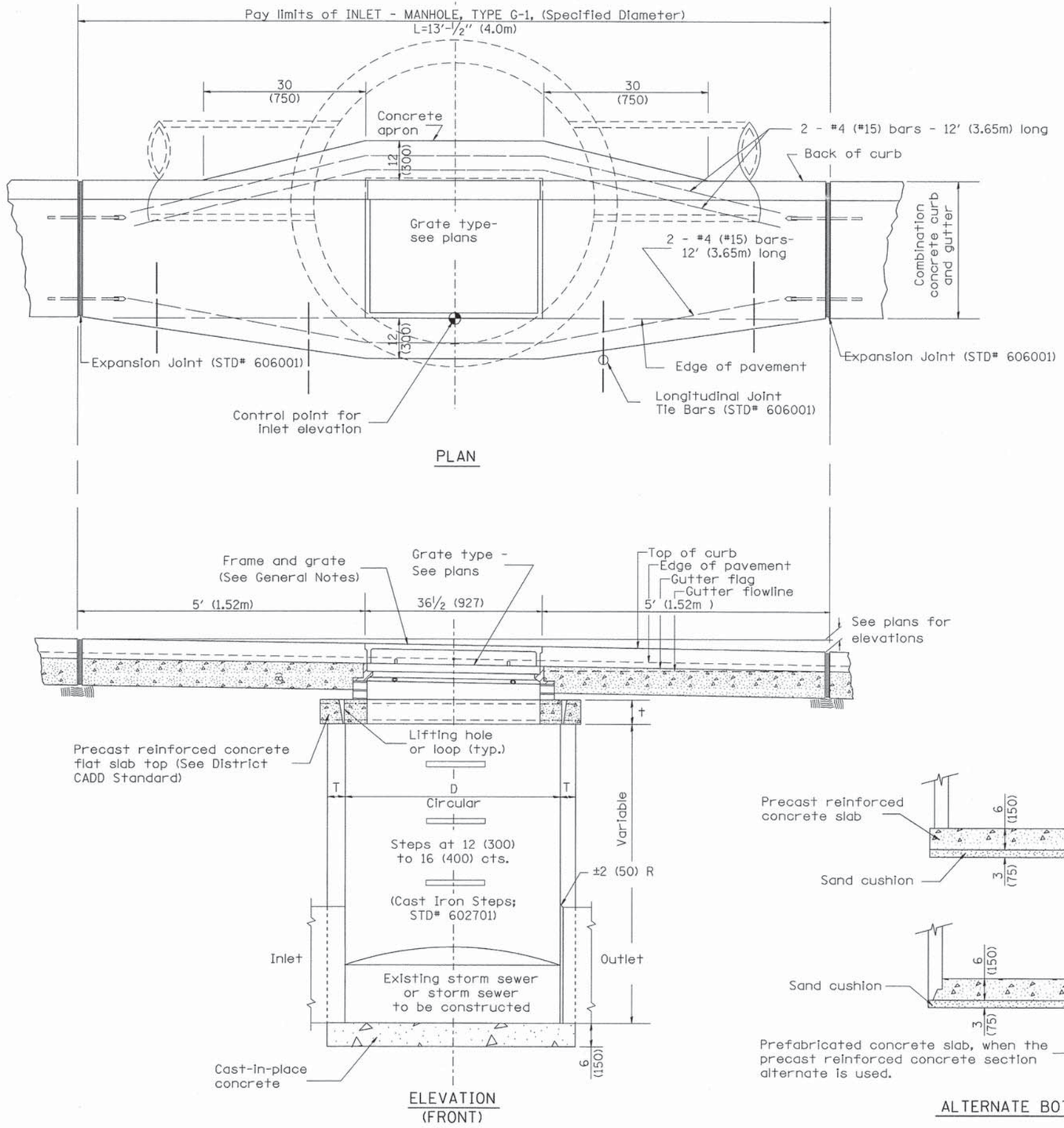
NOT TO SCALE

CADD STD. 602001-D4

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6621	09-00344-00-BR	PEORIA	44	41
		CONTRACT NO. 89657		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	BRM-5093(170)	

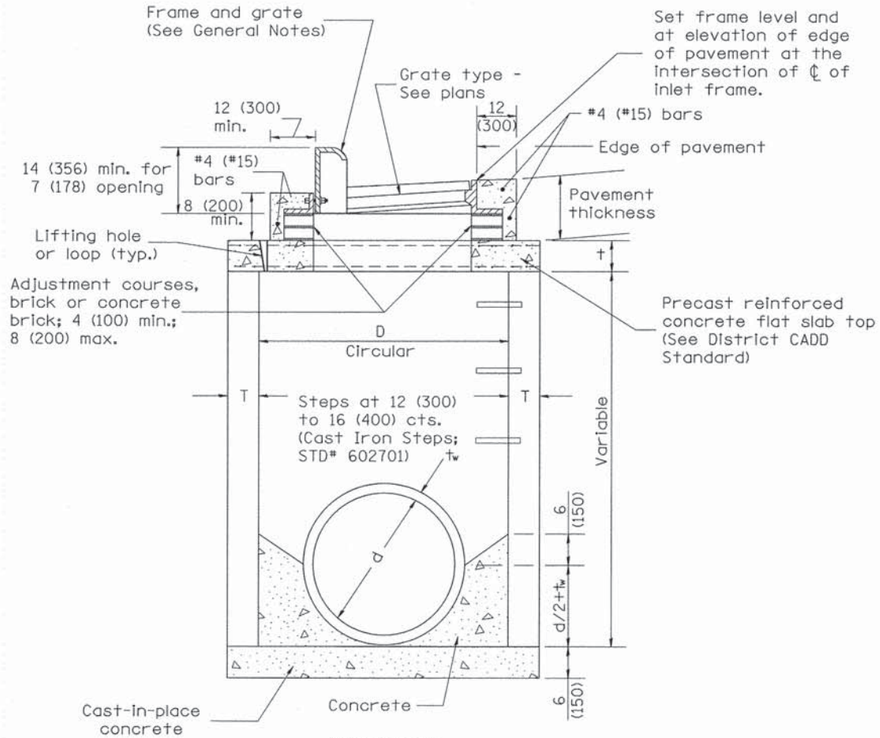
DESIGNER NOTES:

1. Include State STD# 606001 for combination concrete curb and gutter details.
2. Include State STD# 420001 for pavement joints.
3. Include State STD# 602701 for cast iron steps.
4. Include District CADD Standard for frame and grates and specify grate type in plans.
5. Include District CADD Standard for precast reinforced concrete flat slab top.
6. Include District Special Provision. Pay item includes inlet - manhole, flat slab top, transitional c.c.&g. and frame and grate. All work within pay limits.
7. Specify diameter of inlet - manhole in plans.
8. The designer should include pavement removal quantities when the apron requires pavement removal.



PLAN

ELEVATION (FRONT)



ELEVATION (SIDE)

TABLE

D	T	t
4′ (1.2m)	5 (125)	6 (150)
5′ (1.5m)	6 (150)	8 (200)
6′ (1.8m)	7 3/4 (195)	8 (200)
8′ (2.4m)	9 (225)	10 (250)

ALTERNATE BOTTOM SLAB

GENERAL NOTES

1. Inlet-manhole construction shall be in accordance with Section 602 of the Standard Specifications.
2. Combination concrete curb and gutter shall be constructed in accordance with Section 606 of the Standard Specifications.
3. See District CADD Standard 604001-D4 for frame and grates.
4. See District CADD Standard for precast reinforced concrete flat slab top.

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

01-01-97	RENUM. B-4.05, NEW REVISION BOX	
10-99	REVISION TO GENERAL NOTES	J.A.
02-00	REVISION TO DESIGNER NOTES	J.A.
10-16-06	REVISED TO 2007 SPEC.	M.A.

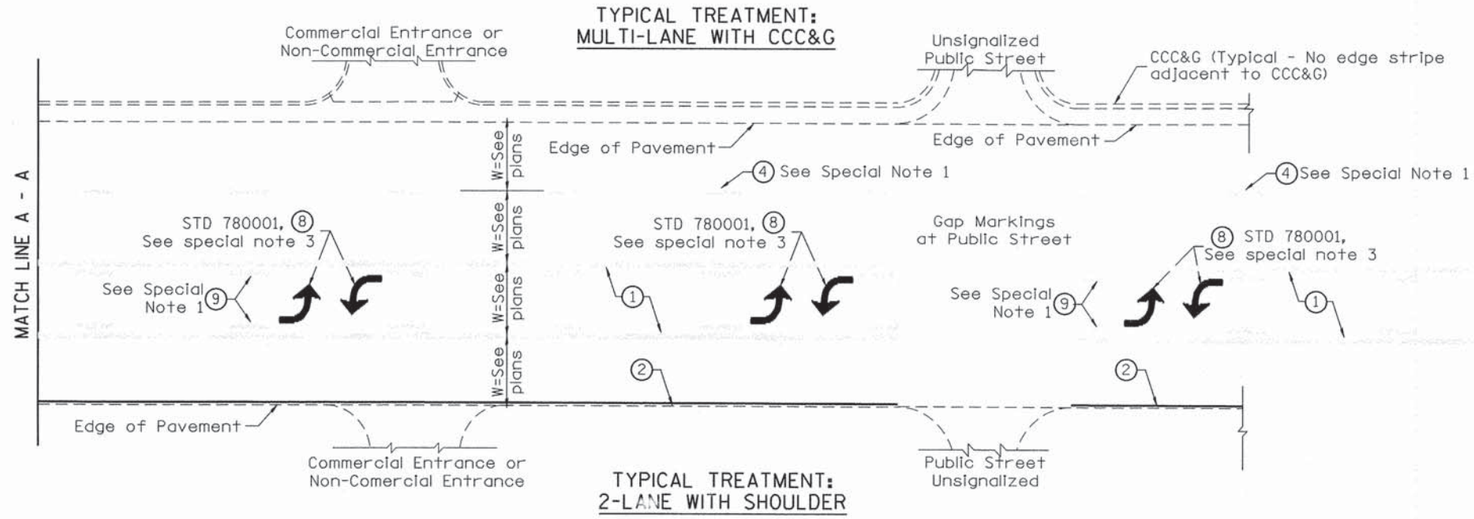
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

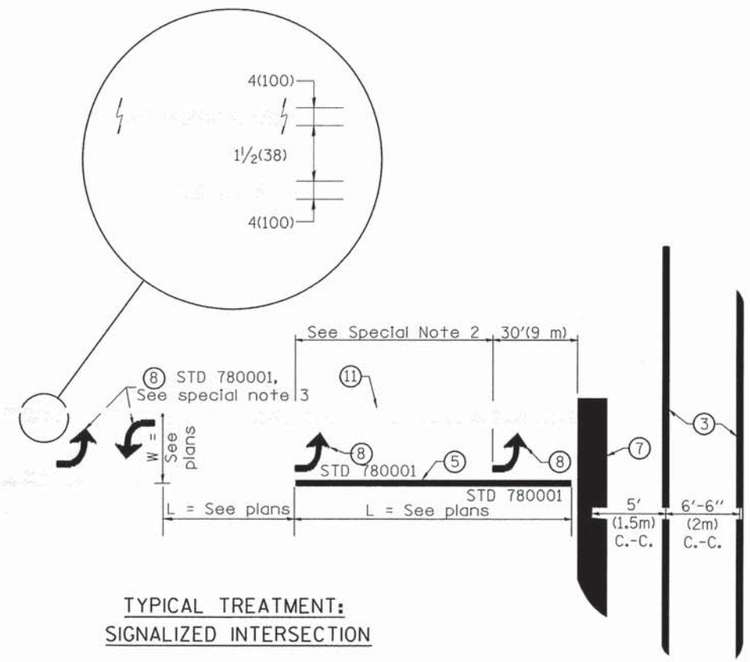
INLET–MANHOLE, TYPE G-1

NOT TO SCALE

CADD STD. 602021-D4

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6621	09-00344-00-BR	PEORIA	44	42
		CONTRACT NO. 89657		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	BRM-5093(170)	





FLUSH PAVED MEDIAN: TWO-WAY LEFT TURN LANE WITH ONE-WAY LEFT TURN LANE AT SIGNALIZED INTERSECTION

TYPICAL PAVEMENT MARKING LEGEND

(Note: This is a District Standard Legend.
Some elements may not apply to specific project.)

1. 4(100) Solid (Yellow)
2. 4(100) Solid (White)
3. 2-6(150) Crosswalk @ 6'-6" (2m)min C.-C. (White)
   2-8(200) Crosswalk @ 6'-6" (2m)min C.-C. (White) (When traffic signals are present.)
4. 6(150) Skip-Dash (White) — 10' (3.05m) / 30' (9.14m) / 10' (3.05m) (See Special Note 1)
5. 8(200) Solid (White)
6. 12(300) Diagonal (White) (Item 6 is shown on Std. 780001)
7. 24(600) Stop Bar (White)
8. Letters & Arrows — 33' (10m) (See Std. 780001 and Special Notes 2 & 3)
9. 4(100) Skip-Dash (Yellow) — 10' (3.05m) / 30' (9.14m) / 10' (3.05m) (See Special Note 1)
10. 12(300) Diagonal (Yellow) (See Table A) — 45°, 11(280) C.-C., See Table A
11. 4(100) Double Solid (Yellow)

SPECIAL NOTES

1. Skip-Dash markings will be centered between both ends of city blocks and shall be placed in alignment transversly across the pavement.
2. The following shall apply to arrows located in one-way left turn lanes:
   A. A minimum of two (2) arrows is required.
   B. The maximum spacing between arrows is 80' (24 m).
   C. Arrows shall be evenly spaced if three (3) or more are required.
3. The following shall apply to arrow pairs located in two-way left turn lanes:
   A. A minimum of two (2) arrow pairs is required.
   B. The maximum spacing between arrow pairs is 200' (61 m).
   C. Arrow pairs shall be evenly spaced if three (3) or more are required.
   D. The spacing between Bi Directional Left Turn Arrows is 33' (10 m).

GENERAL NOTES

1. Refer to State Standard 780001 for additional Pavement Markings including letters & arrows.
2. See Plans for Pavement Markings adjacent to curbed islands and medians, and through lane reductions.

DESIGNER NOTES:
1. Include State Standard 780001 (Typical Pavement Markings)

01-01-97	RENUM. F-8.03, NEW REVISION BOX	T.P.		10-16-06	REVISED TO 2007 SPEC.		
02-07-97	ADD BI DIRECTIONAL DIMENSION	J.A.					
10-97	CORRECT BI DIRECTIONAL DIMENSION	J.A.					
08-02	ADD CROSSWALK DMNS. WITH T.S.	M.A.					

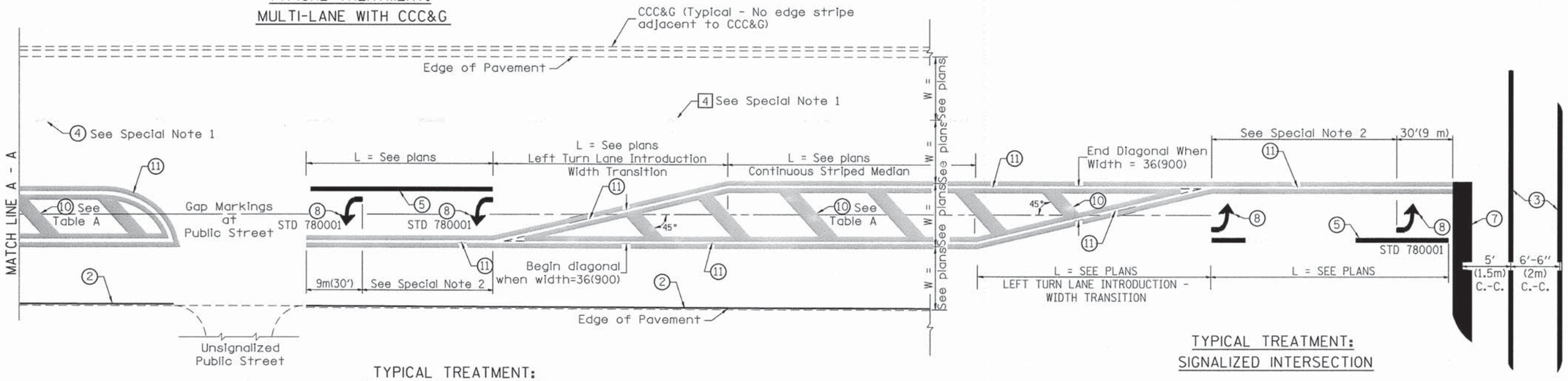
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL PAVEMENT MARKINGS

NOT TO SCALE

SHT. 1 OF 2
CADD STD. 780001-D4

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6621	09-00344-00-BR	PEORIA	44	43
		CONTRACT NO. 89657		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	BRM-5093(170)	



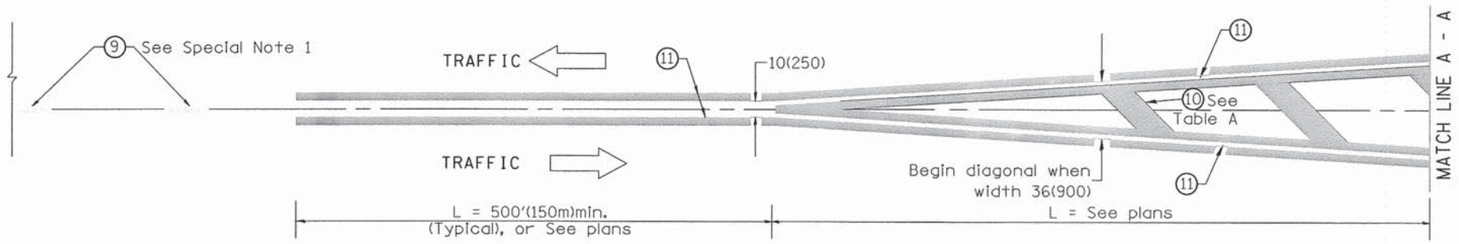
TYPICAL MEDIAN TRANSITIONS

FLUSH PAVED MEDIAN: RESTRICTED LEFT TURN LANE

TABLE A

RECOMMENDED SPACING BETWEEN DIAGONAL LINES

SPEED LIMIT RANGE	CONTINUOUS	INTERSECTION CHANNELIZATION (Includes Width Transitions for Median and Left Turn Lane Introductions)
Less Than 30 mph (50 km/h)	50' (15m)	15' (5m)
30 - 45 mph (50 - 70 km/h)	75' (23m)	20' (6m)
Over 45 mph (70 km/h)	150' (46m)	30' (9m)



MEDIAN INTRODUCTION - WIDTH TRANSITIONS

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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL PAVEMENT MARKINGS

NOT TO SCALE

SHT. 2 OF 2
CADD STD. 780001-D4

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6621	09-00344-00-BR	PEORIA	44	44
		CONTRACT NO. 89657		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	BRM-5093(170)	