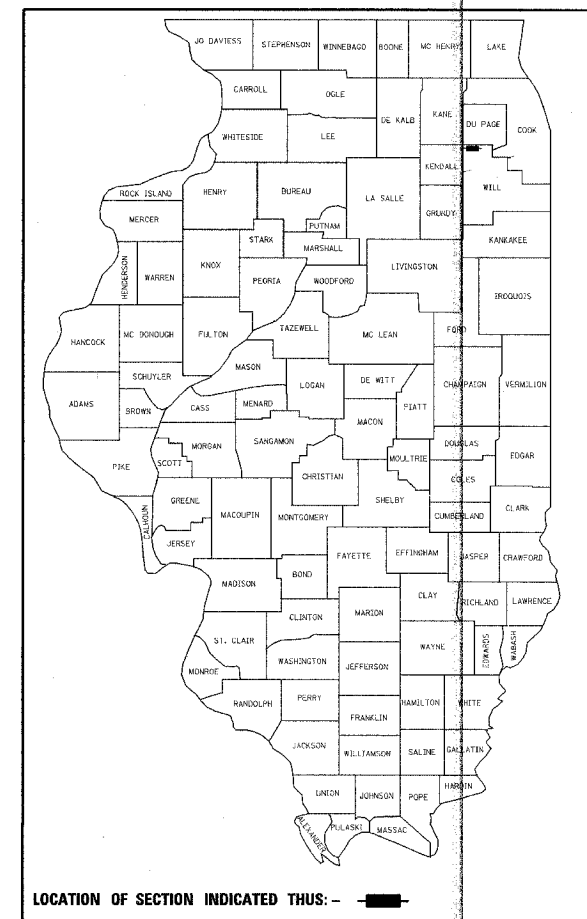


F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-00130-00-BR	WILL	41	1
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO. 83889				

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

**PROPOSED
FEDERAL AID PROJECT**

ILLINOIS ROUTE 59 PEDESTRIAN BRIDGE
VIRGIL GILMAN TRAIL WEST AND VIRGIL GILMAN TRAIL EAST
SECTION: 05-00130-00-BR
PROJECT: M-8003(642)
JOB NO.: C-91-355-06
CITY OF NAPERVILLE
WILL COUNTY



CITY OF NAPERVILLE

Approved December 8 2006
Division 1
CITY ENGINEER

Passed JANUARY 10 2007
CHRISTOPHER HOLT
DISTRICT 1 ENGINEER OF LOCAL ROADS AND STREETS

Releasing for Bid Jan. 10 2007
Based on Limited Review
Diane O'Keefe
DEPUTY DIRECTOR OF HIGHWAYS, REGION 1 ENGINEER

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

PLANS PREPARED BY:
URS 100 S. WACKER DR, STE 500 TEL (312) 939-1000
CHICAGO IL, 60606 FAX (312) 939-4198

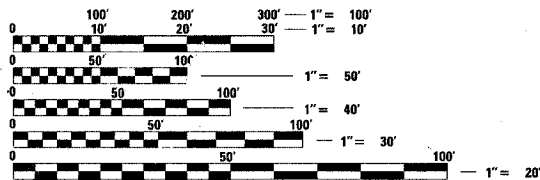
INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	TITLE & INDEX OF SHEETS
2	GENERAL NOTES, STANDARDS
3	SUMMARY OF QUANTITIES
4	TYPICAL SECTIONS
5-6	PLAN AND PROFILE SHEETS (ALIGNMENT & TIES INCLUDED)
7-8	ROADWAY DETAILS
9-12	LIGHTING SHEETS
13-35	STRUCTURAL SHEETS
36-41	CROSS SECTIONS

HIGHWAY STANDARDS, SEE SHEET NO. 2

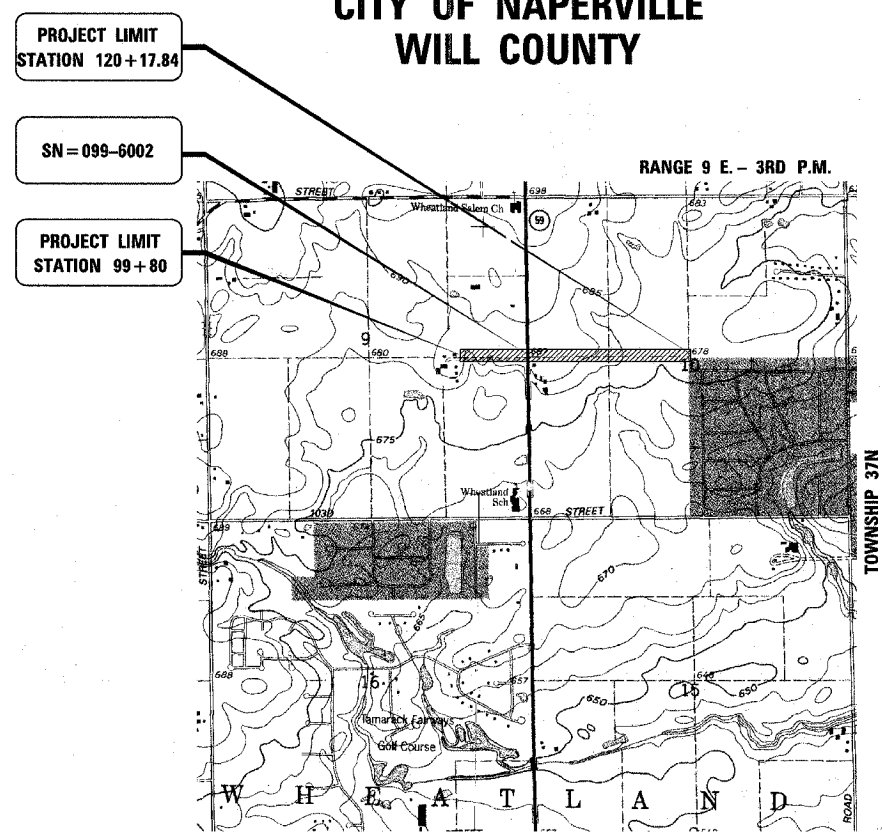
TRAFFIC DATA
AD₁ (2003) = 11,400 (RTE 59)
POSTED SPEED = 40 mph

BENCHMARKS
TBM-1 = SQUARE CHISELED @ S.E.X. OF COMED BOX
NORTH-SIDE OF ACCESS ROAD HALFWAY DOWN.
E.L. = 667.495
TBM-2 = "X" CHISELED @ P.C. OF CURB @ S.W.X. OF
STORAGE PROPERTY LINE.
E.L. = 687.565



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

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



GROSS LENGTH AND NET LENGTH = 2037.84 FEET (0.4 MILES)

Went
062-051669
Jeffrey B...
11/30/2007 Date: 12-8-06
Expires:

FEDERAL AID DESIGN ENGINEER: JESSICA A. FELICIA, J (0447) 705-4787

CONTRACT NO. 83889

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-00130-00-BR	WILL	41	2
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

CONTRACT NO. 83889

GENERAL NOTES

SPECIFICATIONS, STANDARDS AND SPECIAL PROVISIONS:
 ALL CONSTRUCTION SHALL BE PERFORMED IN ACCORDANCE WITH THE ILLINOIS DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", ADOPTED JANUARY 1, 2007, (HEREINAFTER REFERRED TO AS THE STANDARD SPECIFICATIONS); THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS", ADOPTED JANUARY 1, 2007; THE LATEST EDITION OF THE "ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS; THE "DETAILS" ON THE PLANS AND THE "SPECIAL PROVISIONS" INCLUDED IN THE CONTRACT DOCUMENTS. ANY REFERENCE TO STANDARDS THROUGHOUT THE PLANS OR SPECIAL PROVISIONS SHALL BE INTERPRETED AS THE LATEST STANDARD OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION.

PROJECT COORDINATION:
 THE CONTRACTOR SHALL NOTIFY THE CITY ENGINEER AT LEAST 72 HOURS IN ADVANCE OF BEGINNING WORK AND SHALL COORDINATE ALL CONSTRUCTION OPERATIONS WITH THE ENGINEER. ATTENTION IS CALLED TO SECTION 701 OF THE STANDARD SPECIFICATIONS AND THE SPECIAL PROVISIONS FOR TRAFFIC CONTROL AND PROTECTION. THE STORAGE OF EQUIPMENT AND/OR MATERIALS WITHIN THE RIGHT-OF-WAY SHALL REQUIRE PRIOR APPROVAL OF THE ENGINEER.

SAFETY:
 ALL CONSTRUCTION PERSONNEL WILL BE REQUIRED TO WEAR FLUORESCENT ORANGE, FLUORESCENT YELLOW/GREEN, OR A COMBINATION OF FLUORESCENT ORANGE AND FLUORESCENT YELLOW/GREEN SAFETY VESTS MEETING THE REQUIREMENTS OF THE AMERICAN NATIONAL STANDARDS INSTITUTE SPECIFICATION ANSI/ISEA 107-1999 FOR CONSPICUITY CLASS 2 GARMENTS AT ALL TIMES WHILE ON THE CONSTRUCTION SITE.

EXISTING UTILITIES:
 EXISTING UTILITIES ARE SHOWN ON THE PLANS ACCORDING TO INFORMATION OBTAINED FROM THE CITY OF NAPERVILLE AND FIELD SURVEYS. THE ACCURACY AND COMPLETENESS OF SAID INFORMATION IS NOT GUARANTEED. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE EXISTENCE, NATURE AND EXACT LOCATIONS OF ALL UTILITY LINES AND APPURTENANCES WITHIN THE LIMITS OF THE IMPROVEMENTS. THE CONTRACTOR SHALL GIVE PRIOR NOTIFICATION TO THE UTILITY COMPANIES AND THE CITY OF NAPERVILLE OF HIS INTENTION TO BEGIN WORK.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR CALLING J.U.L.I.E. AT TOLL FREE NUMBER 800-892-0123 AND THE CITY OF NAPERVILLE PUBLIC WORKS DEPARTMENT AT 630-420-6095 REQUESTING UTILITY LOCATION STAKING 48 HOURS PRIOR TO EXCAVATING.

TRAFFIC CONTROL AND MAINTENANCE:
 THE CONTRACTOR SHALL SCHEDULE HIS WORK SO THAT ONLY ONE TEMPORARY LANE CLOSURE IN EACH DIRECTION IS IMPLEMENTED AT A TIME. A LANE CLOSURE WILL ONLY BE PERMITTED DURING CONSTRUCTION OPERATIONS AND IN ACCORDANCE WITH THE APPLICABLE IDOT STANDARD. THE CONTRACTOR SHALL FURNISH, ERECT, AND MAINTAIN ALL SIGNS, BARRICADES AND OTHER TRAFFIC CONTROL DEVICES INCLUDING FLAGGERS REQUIRED TO MAINTAIN TRAFFIC FLOW. THE CONTRACTOR SHALL SCHEDULE HIS WORK SO THAT NO HOLES IN THE PAVEMENT REMAIN OPEN OVER NIGHT.

ACCESS TO ABUTTING PROPERTY SHALL BE PROVIDED AT ALL TIMES DURING CONSTRUCTION OF THIS PROJECT. TIME REQUIRED FOR CONSTRUCTION AT DRIVEWAYS SHALL BE LIMITED TO THE MINIMUM TIME REQUIRED FOR SAID CONSTRUCTION AND, IF REQUIRED, TEMPORARY AGGREGATE SURFACE FOR DRIVEWAY ACCESS SHALL BE PROVIDED.

ANY EXISTING UTILITY STRUCTURES REQUIRING ADJUSTMENT OR RECONSTRUCTION SHALL BE COMPLETED BY THE CONTRACTOR TO THE SATISFACTION OF THE UTILITY OWNER. ADJUSTMENTS AND/OR RECONSTRUCTIONS NOT CALLED OUT FOR ON THE PLANS SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT. NO MORE THAN A TOTAL OF 12 INCHES OF ADJUSTING RINGS AND/OR 2 ADJUSTING RINGS SHALL BE ALLOWED.

DISPOSAL OF EXCESS MATERIAL:
 ALL EXCESS MATERIAL AND ANY OTHER DEBRIS SHALL BE DISPOSED OF BY THE CONTRACTOR AT AN OFF-SITE DISPOSAL AREA.

PROTECTION OF PUBLIC/PRIVATE PROPERTY:
 THE CONTRACTOR SHALL PROTECT ALL EXISTING TREES, SHRUBS, FENCES, DRAIN LINES, POWER LINES, AND OTHER PUBLIC/PRIVATE PROPERTY. ANY ITEM THAT IS DAMAGED SHALL BE REPLACED OR REPAIRED BY THE CONTRACTOR AS DIRECTED BY THE ENGINEER AT NO ADDITIONAL COST TO THE CONTRACT.

SAW CUTTING FOR REMOVAL:
 THE CONTRACTOR SHALL BE REQUIRED TO MAKE A FULL DEPTH SAW CUT AT THE EDGE OF PAVEMENT ADJACENT TO THE REMOVAL OF ALL CONCRETE CURB OR COMBINATION CONCRETE CURB AND GUTTER. THE CONTRACTOR SHALL MAKE ALL FULL DEPTH SAW CUTS REQUIRED FOR THE REMOVAL OF CONCRETE CURB AND GUTTERS, SIDEWALKS, AND DRIVEWAYS AS SPECIFIED, OR AS DIRECTED BY THE ENGINEER. THE COST SHALL BE CONSIDERED INCLUDED IN THE COST FOR REMOVAL OF THE SPECIFIED ITEM IN THE CONTRACT.

PAVEMENT REMOVAL:
 THE ITEM OF PAVEMENT REMOVAL SHALL INCLUDE ALL SAW CUTS AND MILLING TO PROVIDE A NEAT, STRAIGHT PERPENDICULAR EDGE ADJACENT TO DRIVEWAY TO REMAIN. THE COST SHALL BE CONSIDERED INCLUDED IN THE COST FOR PAVEMENT REMOVAL.

BIKE PATH SLOPE
 AT LOCATIONS OF OVERLAND FLOW ACROSS THE BIKE PATH, IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO SLOPE THE BIKE PATH. A MINIMUM OF 2% IN THE SAME DIRECTION AS THE ADJACENT CROSS SLOPE DRAINAGE TO MAINTAIN OVERLAND FLOW ACROSS THE BIKE PATH.

EXISTING STREET CLEANLINESS:
 THE CONTRACTOR SHALL KEEP EXISTING ADJACENT STREETS CLEAN OF DIRT, MUD, AND OTHER DEBRIS AND, WHEN NECESSARY, CLEAN SAID PAVEMENTS ON A DAILY BASIS OR WHEN DIRECTED BY THE ENGINEER.

BASE COURSE CLEANING:
 PRIOR TO APPLYING THE BITUMINOUS PRIME COAT, THE BASE SURFACE INCLUDING GUTTERS SHALL BE CLEANED OF LOOSE GRINDINGS, LEAVES, OF ALL DUST, DIRT, WEEDS AND OTHER FOREIGN MATERIALS. COST TO BE CONSIDERED INCLUDED IN THE COST OF THE HOT-MIX ASPHALT SURFACE COURSE, MIX "C", NSO.

HOT-MIX ASPHALT PAVEMENTS:
 FOR DESIGN AND QUANTITY ESTIMATION PURPOSES, THESE PLANS HAVE BEEN DEVELOPED USING 112.0 POUNDS PER SQUARE YARD PER INCH THICKNESS OF BITUMINOUS CONCRETE SURFACE PAVEMENTS. THE ENGINEER WILL CALCULATE AN ADJUSTED PLAN QUANTITY ONCE THE PROJECT IS UNDER CONTRACT AND A MIX DESIGN IS DEVELOPED AND APPROVED.

CLEAN-UP AND DISPOSAL:
 THE CONTRACTOR SHALL MAINTAIN THE SITE IN A CLEAN AND ORDERLY MANNER. DEBRIS AND ANY SURPLUS MATERIAL SHALL BE REMOVED AND RESTORATION SHALL PROCEED AS THE WORK PROCEEDS. IF THE OWNER OR THE ENGINEER SO DIRECTS, THE CONTRACTOR SHALL STOP ALL OTHER WORK AND CONCENTRATE ON CLEAN-UP AND RESTORATION. DEBRIS AND SURPLUS MATERIAL SHALL BE DISPOSED OF BY THE CONTRACTOR OFF-SITE.

CONSTRUCTION LIMITS:
 THE CONTRACTOR SHALL CONFINE OPERATIONS WITHIN CONSTRUCTION LIMITS AS SHOWN ON PLANS. ANY DAMAGE OUTSIDE OF SAID CONSTRUCTION LIMITS SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.

LANDSCAPING RESTORATION:
 ALL LANDSCAPING DAMAGED DURING CONSTRUCTION SHALL BE RESTORED WITH A MINIMUM OF 6" OF PULVERIZED TOP SOIL AND SEEDING, CLASS 2A.

PROPERTY ACCESS
 DURING CONSTRUCTION, ALL SIGNS, BARRICADES, AND TEMPORARY PAVEMENT MARKINGS WILL CONFORM TO THE ILLINOIS MUTCD. VEHICULAR ACCESS TO LOCAL PROPERTIES WILL BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION, EXCEPT WHEN CONSTRUCTION OPERATIONS OCCUR DIRECTLY ON OR IN FRONT OF DRIVEWAYS. IN THIS CASE, FLAG PERSONS WILL BE USED TO DIRECT AND CONTROL TRAFFIC.

WATER UTILITY
 THE CONTRACTOR SHALL ROTATE AND/OR ADJUST ANY EXISTING AND/OR NEW HYDRANT TO THE SATISFACTION OF THE DEPARTMENT OF WATER UTILITIES.

ALL RETAINER GLANDS WHEN REQUIRED TO RESTRAIN VALVES, FITTINGS, HYDRANTS, AND PIPE JOINTS SHALL BE MECHANICAL JOINT WEDGE ACTION TYPE MEGALUG 1100 SERIES AS MANUFACTURED BY EBA IRON, INC. OR UNI-FLANGE BLOCKBUSTER 1400 SERIES AS MANUFACTURED BY FORD METER BOX CO. AND SHALL BE FOR USE ON DUCTILE IRON PIPE CONFORMING TO ANSI/AWWA C151/A21.51, FOR NOMINAL PIPE SIZES 3" THROUGH 48".

EXISTING DUCTILE IRON SYSTEMS FOR RESTRAINING PUSH-ON PIPE BELLS SHALL BE MEGALUG 1100HD OR FORD SERIES 1390.

EXISTING DUCTILE IRON SYSTEMS REQUIRING RESTRAINT SHALL BE MEGALUG SERIES 1100SD (SPLIT MEGALUG) FOR MECHANICAL JOINTS.

DUCTILE IRON WATER MAIN TO BE CLASS 52. ALL DUCTILE IRON PIPE IS TO BE ENCASED IN POLYETHYLENE FILM UNLESS A SOILS REPORT FROM THE DUCTILE IRON PIPE RESEARCH ASSOCIATION (DIPRA) IS RECEIVED BY THE CITY ENGINEER INDICATING THAT THE SOILS IN THE AREA ARE NOT CORROSIVE TO IRON PIPE. POLYWRAP TO BE INSTALLED IN ACCORDANCE WITH AWWAC105A21.5-99.

FIRE HYDRANT SHOULD BE BAGGED "NOT IN SERVICE" UNTIL ALL TESTING AND DISINFECTION HAS BEEN COMPLETED AND NEW WATER MAIN SECTION IS IN SERVICE.

AS-BUILT RECORD DRAWINGS
 A SET OF AS-BUILT RECORD DRAWINGS SHALL BE GIVEN TO THE CITY IF NAPERVILLE UPON COMPLETION OF IMPROVEMENTS SHOWING THE ELEVATION AND LOCATION (TIED TO TWO POINTS) OF ALL NEW AND EXISTING STRUCTURES INCLUDING FIRE HYDRANTS, VALVE BOXES AND VAULTS, MANHOLES, SEWER LINES, ETC. ALL ELEVATIONS SHOULD BE REFERENCED TO THE SAME BENCHMARK DATUM AS THE ORIGINAL DESIGN PLANS. HORIZONTAL TIES SHALL BE REFERENCED TO LOT LINES, BACK OF CURB, OR PROPERTY CORNERS.

TREES
 TREES SHALL BE INSTALLED A MINIMUM OF FIVE (5) FEET HORIZONTALLY FROM UNDERGROUND ELECTRICAL FEEDERS, SANITARY SEWERS, SANITARY SERVICES, WATER MAINS, AND WATER SERVICES. TREES SHALL BE INSTALLED A MINIMUM OF TEN (10) FEET HORIZONTALLY FROM UTILITY STRUCTURES AND APPURTENANCES, INCLUDING, BUT NOT LIMITED TO, MANHOLES, VALVE VAULTS, VALVE BOXES, AND FIRE HYDRANTS.

HIGHWAY STANDARDS	
STANDARD NO.	DESCRIPTION
000001-04	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
280001-03	TEMPORARY EROSION CONTROL SYSTEMS
424001-04	SIDEWALK RAMPS ACCESSIBLE TO THE DISABLED
482001-01	BITUMINOUS SHOULDER ADJACENT TO FLEXIBLE PAVEMENT
515001-02	NAME PLATE FOR BRIDGES
542401-01	METAL END SECTION FOR PIPE CULVERTS
609001-03	BRIDGE APPROACH SHOULDER PAVEMENT AND DRAIN
701101-01	OFF-RD OPERATIONS, MULTILANE, 15' TO 24" FROM PVT. EDGE
701106-01	OFF-RD OPERATIONS, MULTILANE, MORE THAN 15' AWAY
701601-04	URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NON TRANSVERSABLE MEDIAN
702001-06	TRAFFIC CONTROL DEVICES
805001-01	ELECTRICAL SERVICE INSTALLATION DETAILS

LOCATION	SUITABLE EXCAVATION (EARTH EXCAVATION)	EARTH EX. ADJUSTED FOR SHRINKAGE (15%)	SUITABLE EMBANKMENT	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-) (FURNISHED EXCAVATION)	UNSUITABLE EXCAVATION (REMOVAL & DISPOSAL OF UNSUITABLE MATERIAL)	UNSUITABLE EMBANKMENT	TOPSOIL FURNISH & PLACE 6"	UNSUITABLE BALANCE WASTE (+) OR SHORTAGE (-)
	CY	CY	CY	CY	CY	CY	CY	CY
ENTIRE BIKE PATH AND DRIVEWAY	70	80	1565	-1505	565	0	703	-138

AN ADDITIONAL 903 CY OF UNSUITABLE EXCAVATION AND PGE, SUBGRADE HAS BEEN PROVIDED IN THE SUMMARY OF QUANTITIES FOR USE IF POOR SUBGRADE CONDITIONS ARE ENCOUNTERED.

REVISIONS	
NAME	DATE

URS 100 S. WACKER DR., STE 500 TEL (312) 939-1000
 CHICAGO IL 60606 FAX (312) 939-4198

CITY OF NAPERVILLE

GENERAL NOTES, STANDARDS

NONE

50' 0 50' 100'

DATE : 12-8-2006

DRAWN BY : DGM
 CHECKED BY : DDL

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-00130-00-BR	WILL	41	4
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO. 83689				

LEGEND:

- ① AGGREGATE BASE COURSE, TYPE B, 6"
- ② BITUMINOUS PRIME COAT
- ③ HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 3"
- ④ 6" TOP SOIL AND SEEDING CLASS 2A
- ⑤ PAINT PAVEMENT MARKING, 4" YELLOW
- ⑥ EXISTING GROUND
- ⑦ GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
- ⑧ AGGREGATE BASE COURSE, TYPE B, 8"
- ⑨ HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 2 1/4"
- ⑩ HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 1 1/2"
- ⑪ PORTLAND CEMENT CONCRETE SIDEWALK 6 INCH, SPECIAL
- ⑫ MSE WALL - HEIGHT VARIES FROM '0-0" TO 10'-11-3/4" FROM GROUND, 3'-6" (MIN.) BELOW GRADE

NOTE 1:
AT LOCATIONS OF UNSUITABLE MATERIAL, AS DETERMINED BY THE ENGINEER, THE SUBGRADE TREATMENT WILL CONSIST OF EXCAVATION OF UNSUITABLE MATERIAL TO A DEPTH 12 INCHES BELOW AGGREGATE BASE COURSE AND PLACEMENT OF 12 INCHES OF POROUS GRANULAR EMBANKMENT SUBGRADE AND A GEOTECHNICAL FABRIC FOR GROUND STABILIZATION.

NOTE 2:
THE CONTRACTOR SHALL CONSTRUCT THE PATH SO THAT THE CROSS SLOPE IS IN THE DIRECTION OF THE GROUND SLOPE WHERE SHEET FLOW ACROSS THE PATH WILL OCCUR. WHERE SHEET FLOW ACROSS THE PATH IS NOT A CONCERN DUE TO THE PRESENCE OF A SWALE ON THE UPSTREAM SIDE, THE CONTRACTOR SHALL SLOPE THE PATH OUT FROM THE CENTERLINE.

NOTE 3:
ADDITIONAL FILL MATERIAL TO BE PLACED ABOVE FABRIC IN CUT SECTIONS SHALL NOT BE MEASURED FOR PAYMENT. MATERIAL SHALL BE SUITABLE EMBANKMENT MATERIAL.

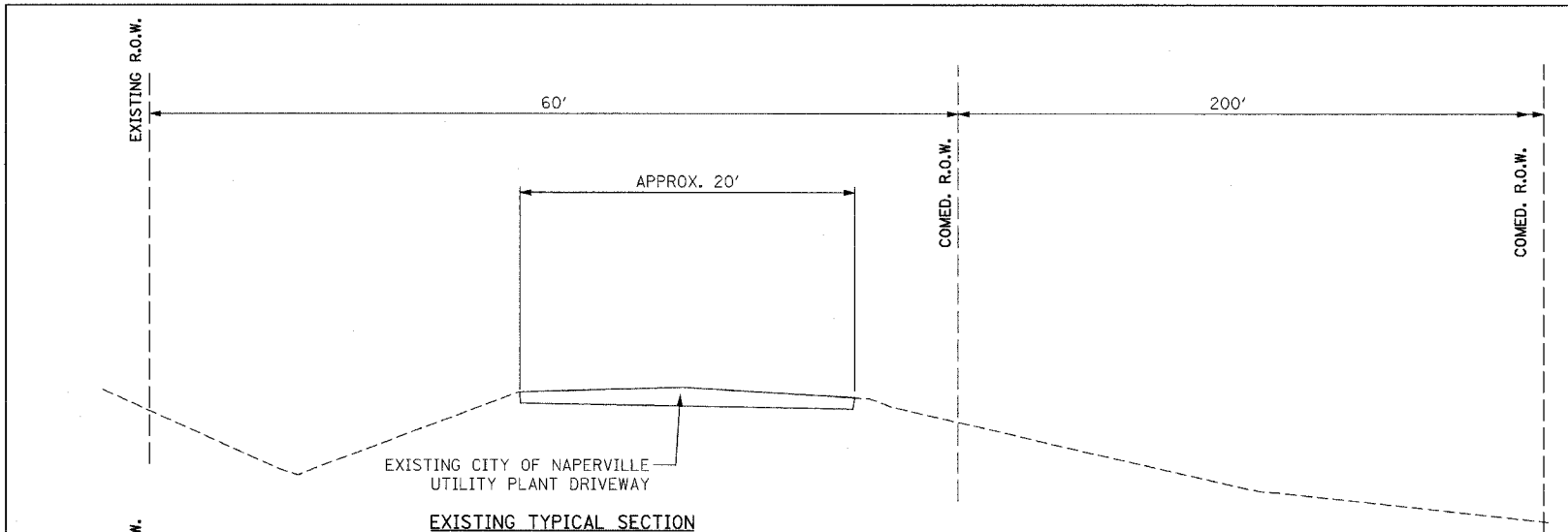
NOTE 4:
BIKE PATH AND DRIVEWAY AREAS SHALL HAVE GEOTECHNICAL FABRIC FOR GROUND STABILIZATION INSTALLED BENEATH THE AGGREGATE BASE COURSE.

Hot-Mix Asphalt Mixture Requirements		
MIXTURE TYPE	AC TYPE	AIR VOIDS
HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	PG 64-22	4% @ 50 GYR
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	PG 64-22*	4% @ 50 GYR

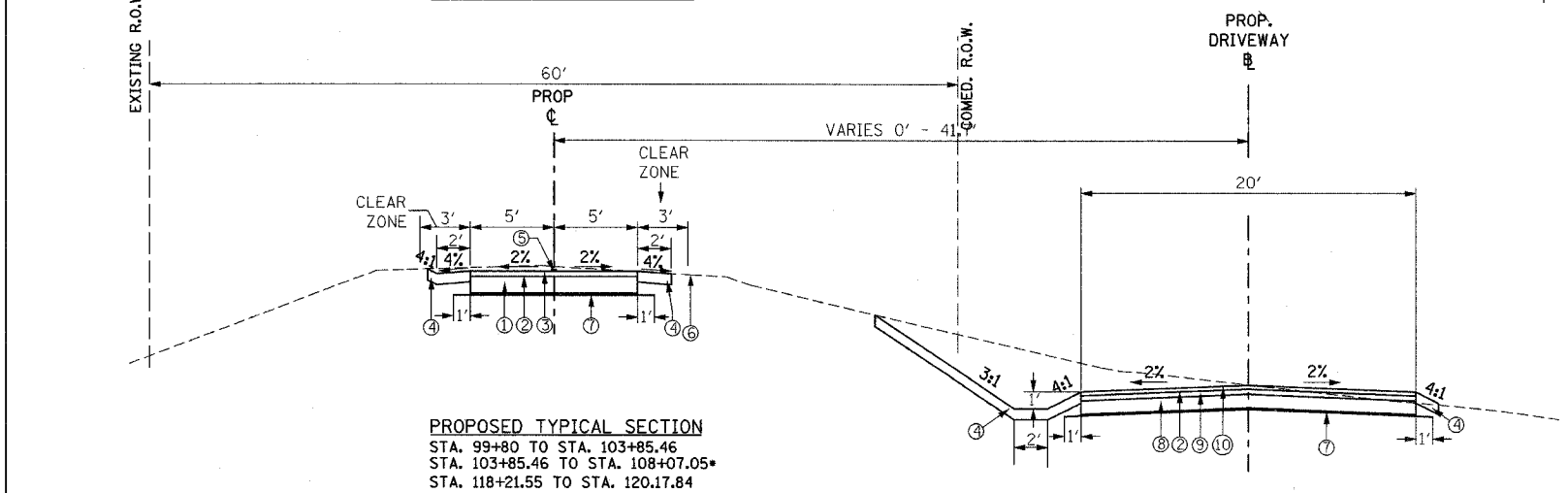
THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ-YD/IN.
* WHEN RAP EXCEEDS 20%, THE NEW ASPHALT BINDER IN THE MIX SHALL BE PG 58-22.

* STATIONS INCLUDING COMMERCIAL DRIVE

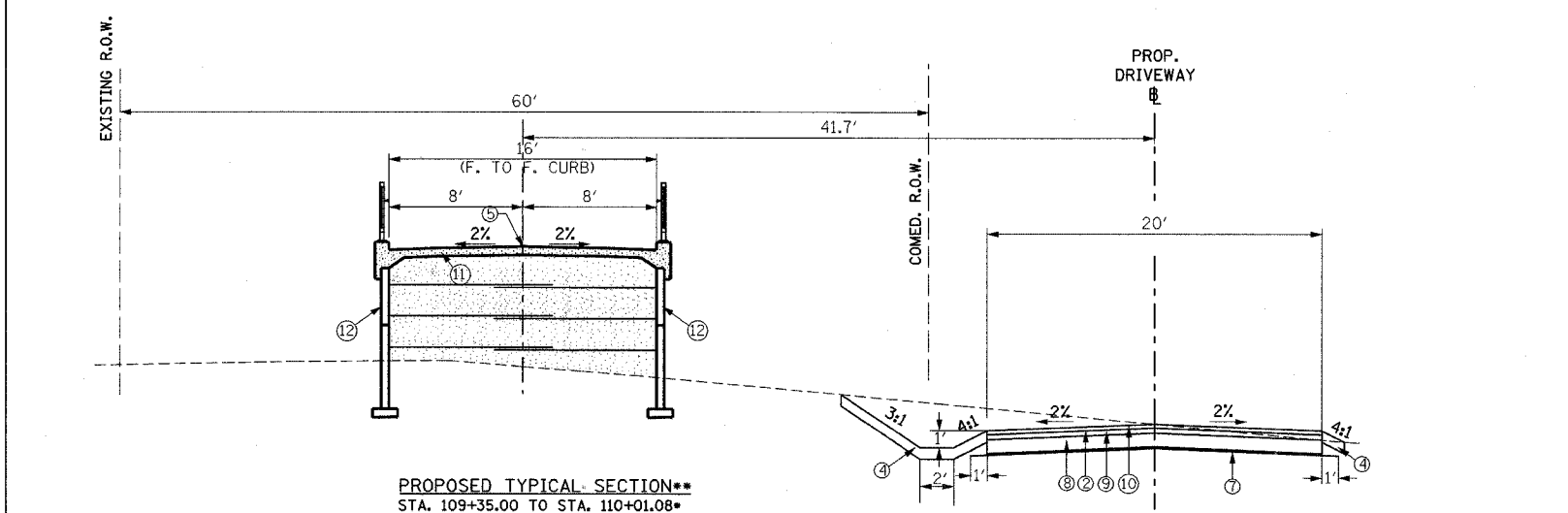
** SEE BRIDGE DETAILS FOR RAMP SPAN, ABUTMENT, M.S.E. WALL TYPICAL CROSS SECTION DETAILS



EXISTING TYPICAL SECTION



PROPOSED TYPICAL SECTION
STA. 99+80 TO STA. 103+85.46
STA. 103+85.46 TO STA. 108+07.05*
STA. 118+21.55 TO STA. 120.17.84



PROPOSED TYPICAL SECTION**
STA. 109+35.00 TO STA. 110+01.08*
STA. 116+03.12 TO STA. 117+90.00

BRIDGE OMISSION**
STA. 110+01.08 TO STA. 112+60.41*
STA. 112+60.41 TO STA. 116+03.12

REVISIONS		NAME	DATE
NO.	DESCRIPTION		

URS

100 S. WACKER DR, STE 500
CHICAGO, IL 60606

TEL (312) 939-1000
FAX (939) 939-4198

CITY OF NAPERVILLE

TYPICAL CROSS SECTIONS

SCALE:

DRAWN BY: DGM

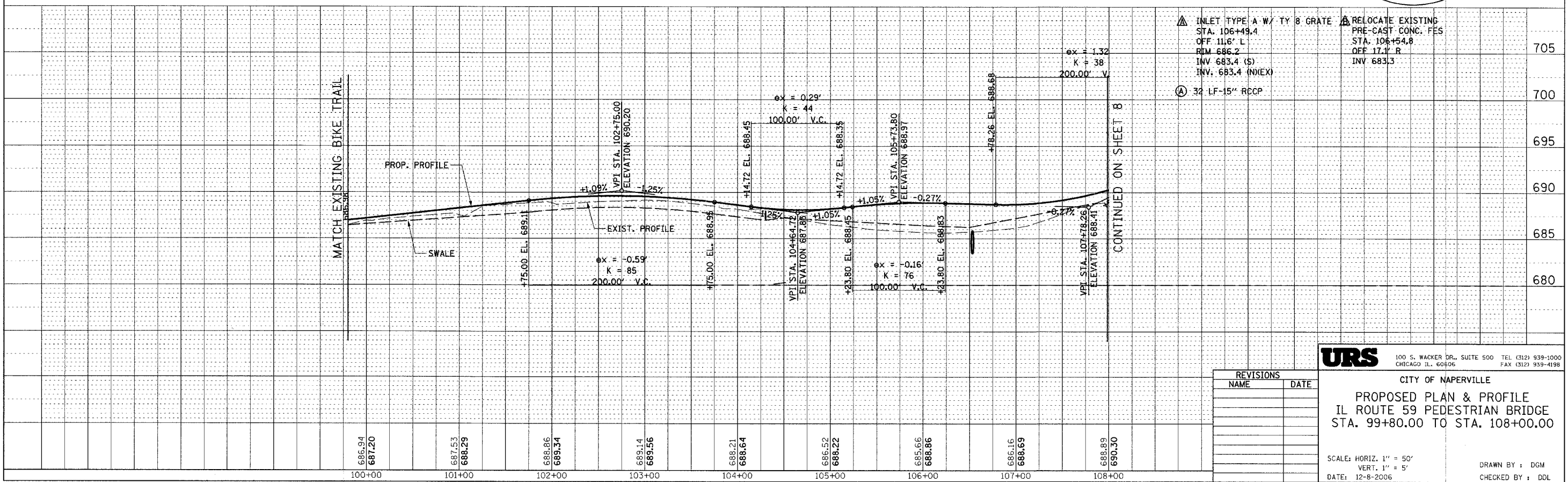
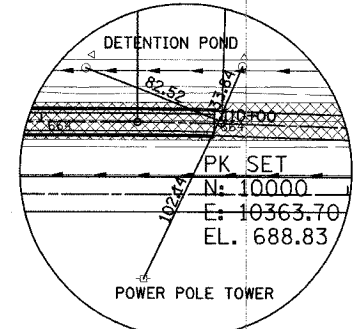
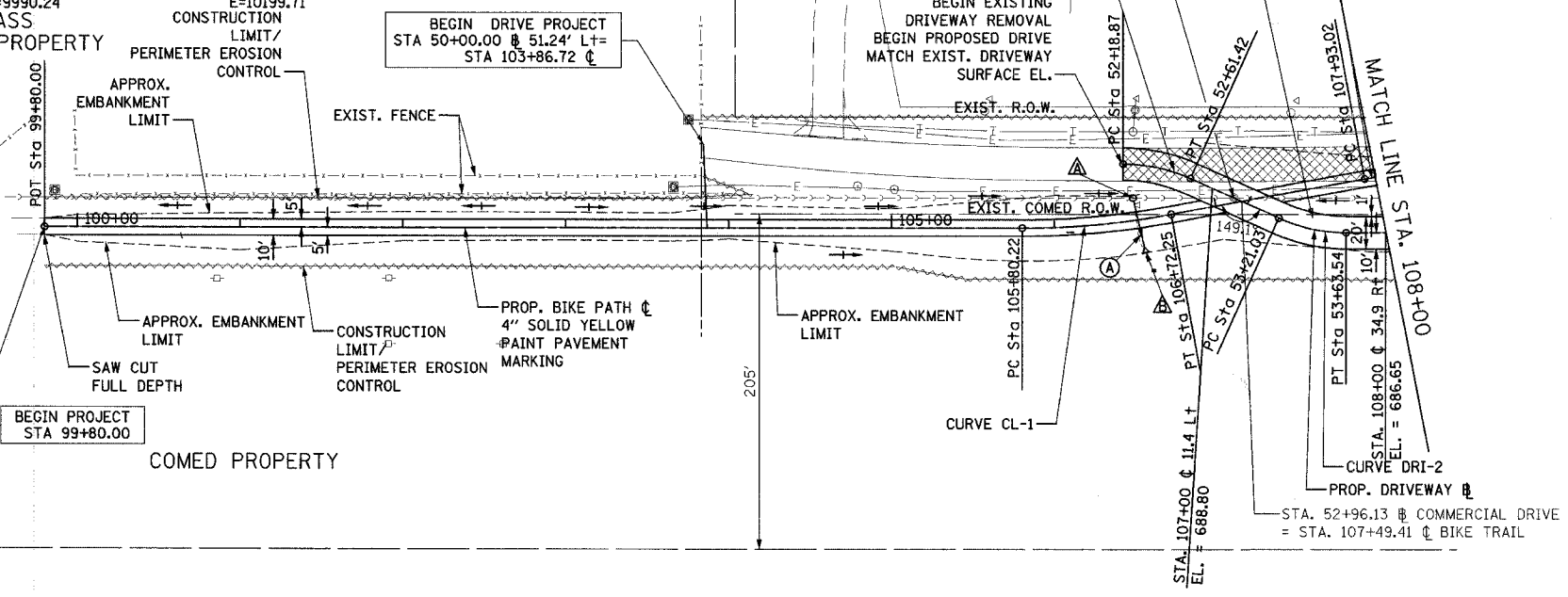
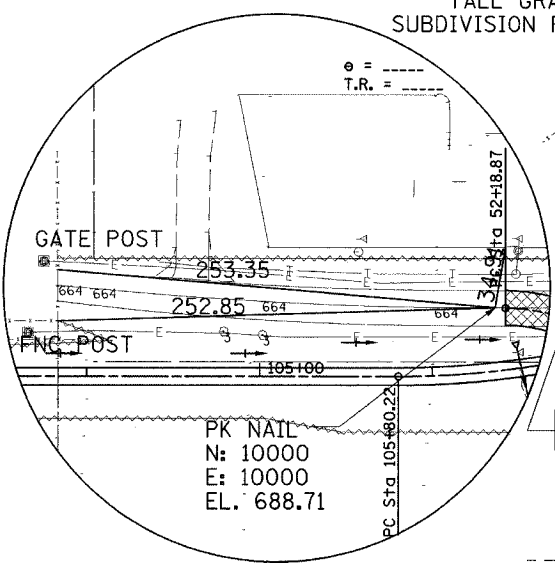
DATE: 12/8/2006

CHECKED BY: DDL

PROP. CURVE DRI-1 PI STA. = 52+40.46 $\Delta = 24^\circ 22' 11''$ (RT) $D = 57^\circ 17' 45''$ $R = 100.00'$ $T = 21.59'$ $L = 42.53'$ $E = 2.30'$ $e = N/A$ $T.R. = N/A$ $S.E. RUN = N/A$ P.C. STA. = 52+18.87 P.T. STA. = 52+61.40 $N = 9999.87$ $E = 10027.65$	PROP. CURVE DRI-2 PI STA. = 53+42.61 $\Delta = 24^\circ 21' 16''$ (LT) $D = 57^\circ 17' 45''$ $R = 100.00'$ $T = 21.58'$ $L = 42.51'$ $E = 2.30'$ $e = N/A$ $T.R. = N/A$ $S.E. RUN = N/A$ P.C. STA. = 53+21.03 P.T. STA. = 53+63.54 $N = 9990.97$ $E = 10047.33$	PROP. CURVE CL-1 PI STA. = 106+26.36 $\Delta = 10^\circ 32' 45''$ (LT) $D = 11^\circ 27' 33''$ $R = 500.00'$ $T = 46.14'$ $L = 92.03'$ $E = 2.12'$ $e = N/A$ $T.R. = N/A$ $S.E. RUN = N/A$ P.C. STA. = 105+80.22 P.T. STA. = 106+72.25 $N = 9960.14$ $E = 9990.24$	PROP. CURVE CL-2 PI STA. = 108+39.17 $\Delta = 10^\circ 32' 45''$ (RT) $D = 11^\circ 27' 33''$ $R = 500.00'$ $T = 46.14'$ $L = 92.03'$ $E = 2.12'$ $e = N/A$ $T.R. = N/A$ $S.E. RUN = N/A$ P.C. STA. = 107+93.02 P.T. STA. = 108+85.05 $N = 9999.13$ $E = 10199.71$
--	--	---	--

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
05-00130-00-BR	WILL		41	5
STA. 99+80.00		TO STA. 108+00.00		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
CONTRACT NO. 83889				

- LEGEND**
- PAVEMENT REMOVAL
 - SWALE
 - CATCH BASIN
 - END SECTION



REVISIONS	
NAME	DATE

URS 100 S. WACKER DR., SUITE 500 TEL (312) 939-1000
CHICAGO IL, 60606 FAX (312) 939-4198

CITY OF NAPERVILLE

PROPOSED PLAN & PROFILE
IL ROUTE 59 PEDESTRIAN BRIDGE
STA. 99+80.00 TO STA. 108+00.00

SCALE: HORIZ. 1" = 50'
 VERT. 1" = 5'

DATE: 12-8-2006

DRAWN BY: DGM
 CHECKED BY: DDL

PROP. CURVE CL-3
 PI STA. = 109+80.00
 $\Delta = 1^\circ 51' 20''$ (RT)
 $D = 3^\circ 49' 11''$
 $R = 1,500.00'$
 $T = 24.29'$
 $L = 48.58'$
 $E = 0.20'$
 $e = N/A$
 $T.R. = N/A$
 $S.E. RUN = N/A$
 $P.C. STA. = 109+55.71$
 $P.T. STA. = 110+04.29$
 $N=999.13$
 $E=10340.80$

SEE SHEETS 13-35 FOR STRUCTURAL SHEETS

PROP. CURVE CL-4
 PI STA. = 116+19.56
 $\Delta = 4^\circ 56' 45''$ (LT)
 $D = 9^\circ 32' 57''$
 $R = 600.00'$
 $T = 25.91'$
 $L = 51.79'$
 $E = 0.56'$
 $e = N/A$
 $T.R. = N/A$
 $S.E. RUN = N/A$
 $P.C. STA. = 115+93.65$
 $P.T. STA. = 116+45.44$
 $N=9978.43$
 $E=10980.03$

PROP. CURVE CL-5
 PI STA. = 116+99.12
 $\Delta = 3^\circ 05' 26''$ (RT)
 $D = 9^\circ 32' 57''$
 $R = 600.00'$
 $T = 16.19'$
 $L = 32.36'$
 $E = 0.22'$
 $e = N/A$
 $T.R. = N/A$
 $S.E. RUN = N/A$
 $P.C. STA. = 116+82.94$
 $P.T. STA. = 117+15.30$
 $N=9982.72$
 $E=11059.51$

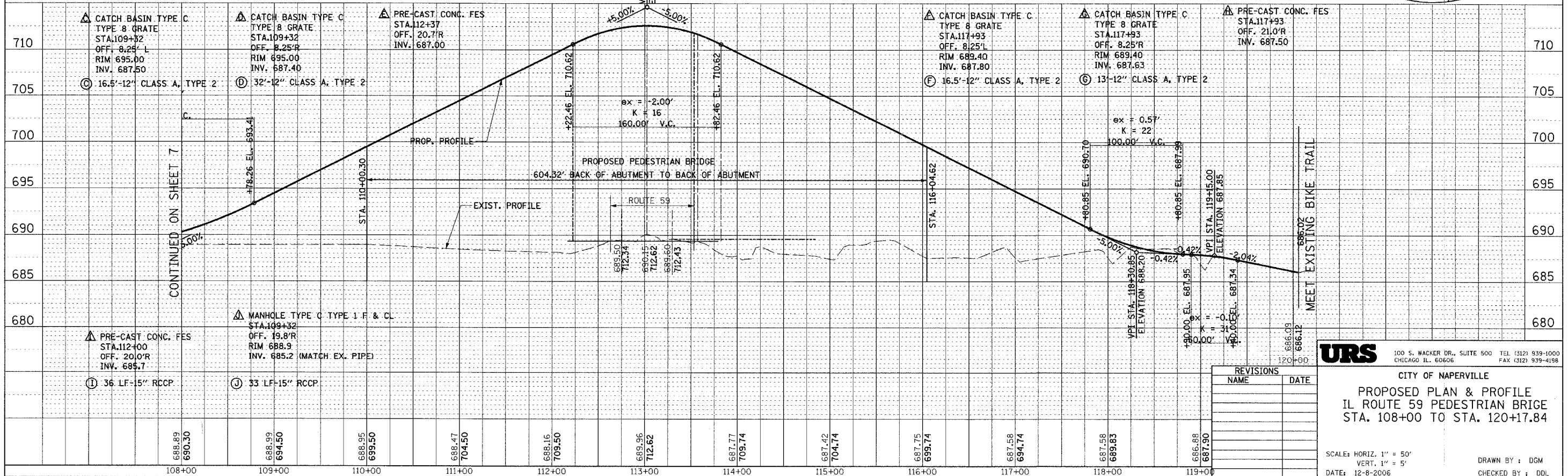
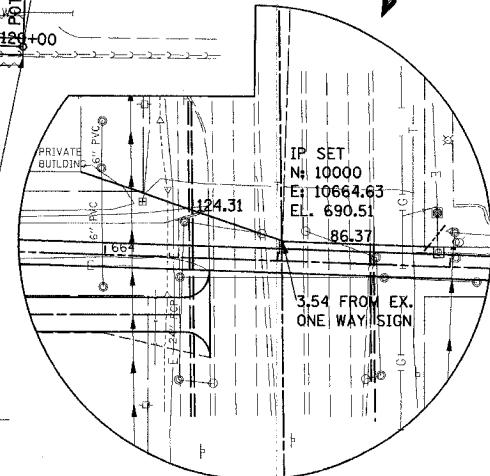
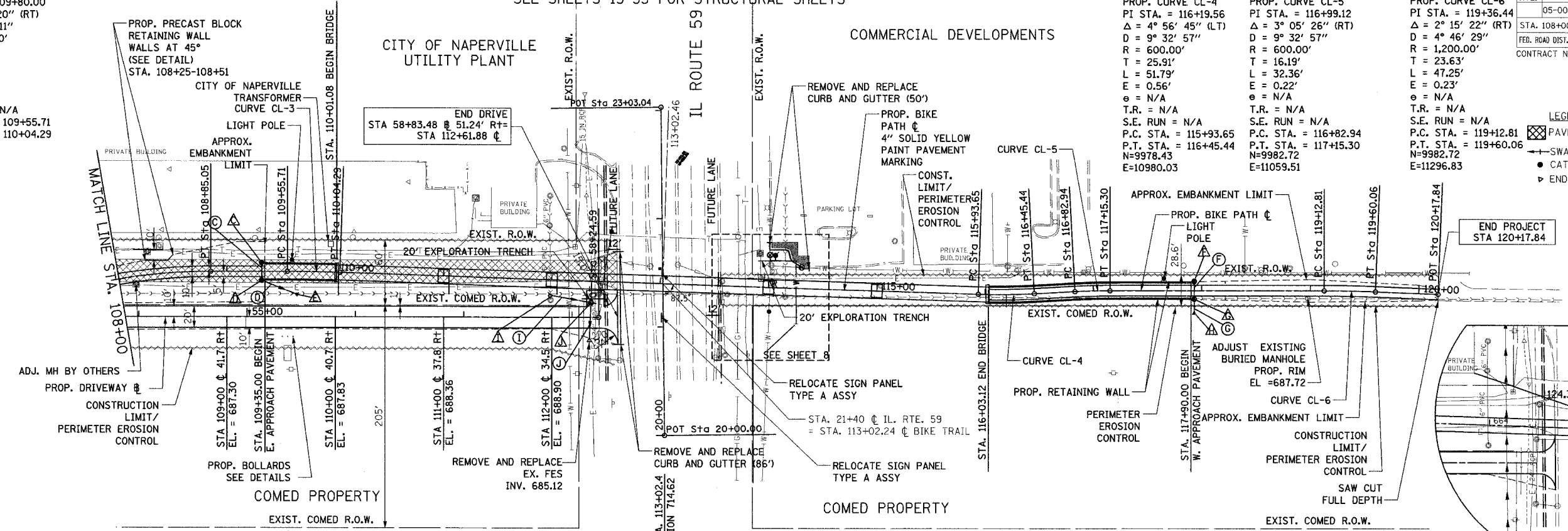
PROP. CURVE CL-6
 PI STA. = 119+36.44
 $\Delta = 2^\circ 15' 22''$ (RT)
 $D = 4^\circ 46' 29''$
 $R = 1,200.00'$
 $T = 23.63'$
 $L = 47.25'$
 $E = 0.23'$
 $e = N/A$
 $T.R. = N/A$
 $S.E. RUN = N/A$
 $P.C. STA. = 119+12.81$
 $P.T. STA. = 119+60.06$
 $N=9982.72$
 $E=11296.83$

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
05-00130-00-BR	WILL	ILLINOIS	41	6

STA. 108+00.00 TO STA. 120+17.84
 FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT
 CONTRACT NO. 83889

LEGEND

- PAVEMENT REMOVAL
- SWALE
- CATCH BASIN
- END SECTION



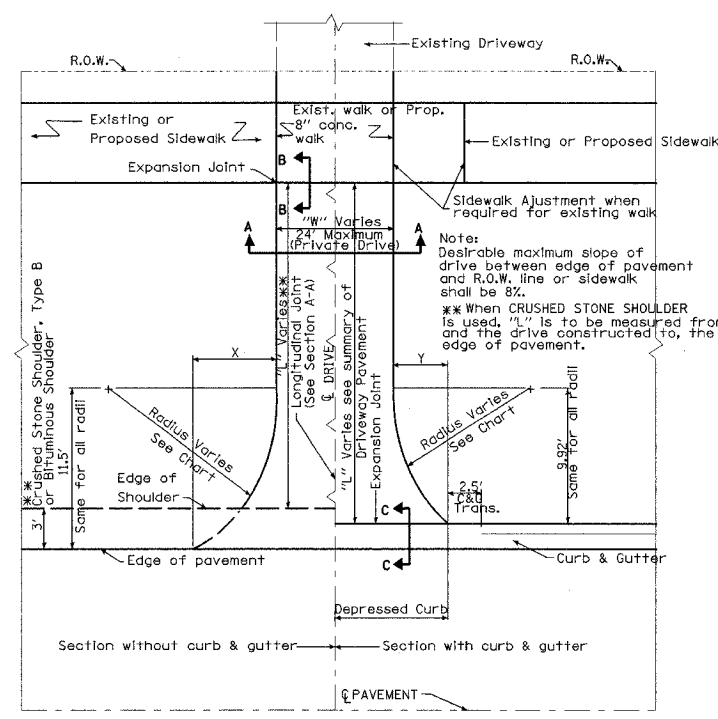
URS 100 S. WACKER DR., SUITE 500 TEL (312) 939-1000
 CHICAGO IL 60606 FAX (312) 939-4158

CITY OF NAPERVILLE
 PROPOSED PLAN & PROFILE
 IL ROUTE 59 PEDESTRIAN BRIDGE
 STA. 108+00 TO STA. 120+17.84

REVISIONS	
NAME	DATE

SCALE: HORIZ. 1" = 50'
 VERT. 1" = 5'
 DATE: 12-8-2006
 DRAWN BY: DGM
 CHECKED BY: DDL

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-00130-00-BR	WILL	41	7
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO. 83889				



DETAIL OF PRIVATE DRIVE

LIMITATIONS UPON PRIVATE DRIVES

AT STREET INTERSECTIONS
MAXIMUM WIDTH & MINIMUM DISTANCE BETWEEN DRIVES

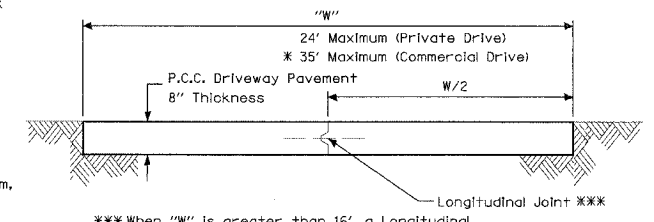
GUIDE FOR DRIVEWAY LENGTH

1. Meet existing walk (use joint for P.C.C. pavement sec. B-B).
2. If there is no existing or proposed walk-extend to R.O.W. line.
3. If there is no existing walk but a proposed walk is required, construct 8" walk for full driveway width (Sec. B-B).
4. If there is a walk adjustment, construct 8" walk for full driveway width and 5" walk beyond.

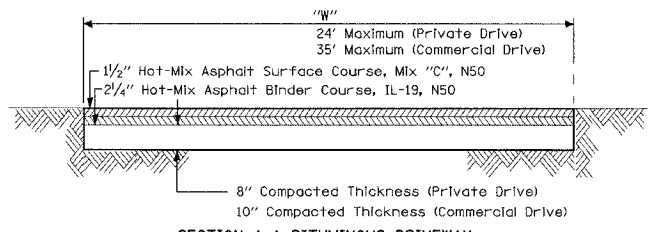
DRIVE DETAILS
NOT TO SCALE

CHART

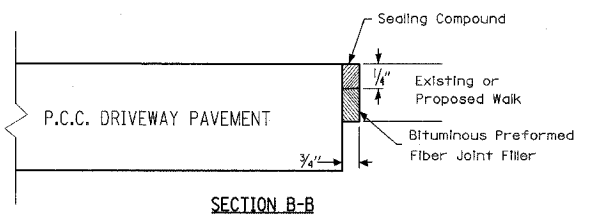
FOR DRIVEWAY WIDTH - "W"	USE RADIUS	X	Y
Less than 14'	14'	6.0'	4.2'
14'-16'	16'	4.9'	3.4'
17'-18'	18.5'	4.0'	2.9'
Over 18'	22.5'	3.2'	2.3'



SECTION A-A P.C.C. DRIVEWAY

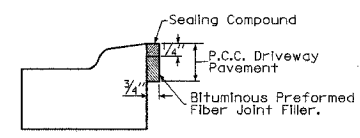


SECTION A-A BITUMINOUS DRIVEWAY

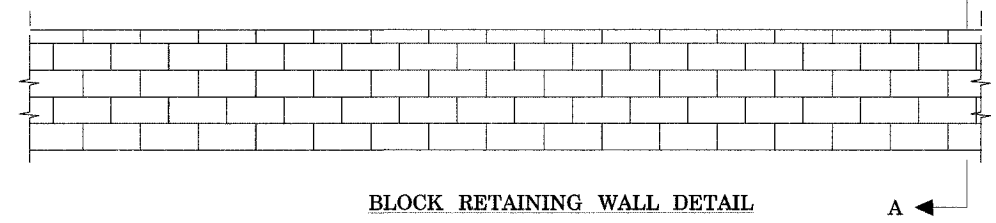


SECTION B-B

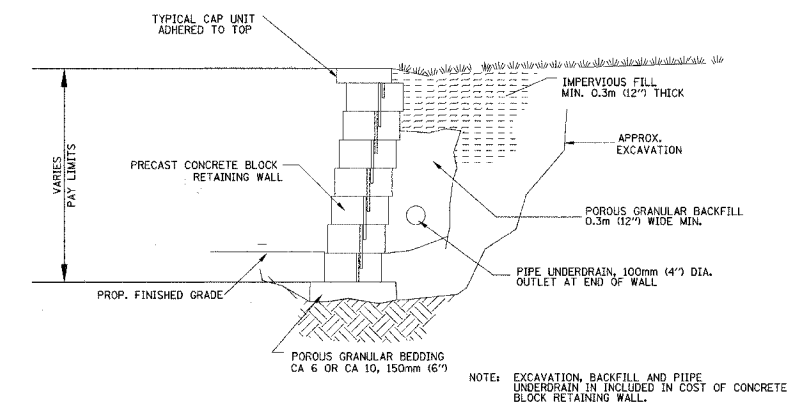
The Expansion Joint shall be included in the contract unit price per square foot for Portland Cement Concrete Sidewalk or per square yard for P.C. concrete Drive.



SECTION C-C



BLOCK RETAINING WALL DETAIL

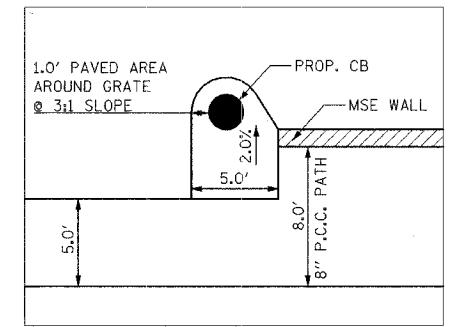


PRECAST CONCRETE BLOCK RETAINING WALL SECTION A-A

NOTES

1. THE CONTRACTOR SHALL SUBMIT DESIGN, CONSTRUCTION PLANS WITH MATERIAL INFORMATION & SHOP DRAWINGS SIGNED BY A STRUCTURAL ENGINEER LICENSED IN THE STATE OF ILLINOIS TO THE ENGINEER FOR APPROVAL BEFORE ORDERING MATERIALS.
2. RETAINING WALL EQUIVALENT FLUID PRESSURE = 50(PCF)

BLOCK RETAINING WALL DETAIL
NOT TO SCALE

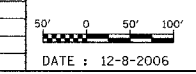


MSE WALL DRAIN DETAIL
NOT TO SCALE

REVISIONS	
NAME	DATE

URS 100 S. WACKER DR, STE 500 TEL (312) 939-1000
CHICAGO IL, 60606 FAX (312) 939-4198

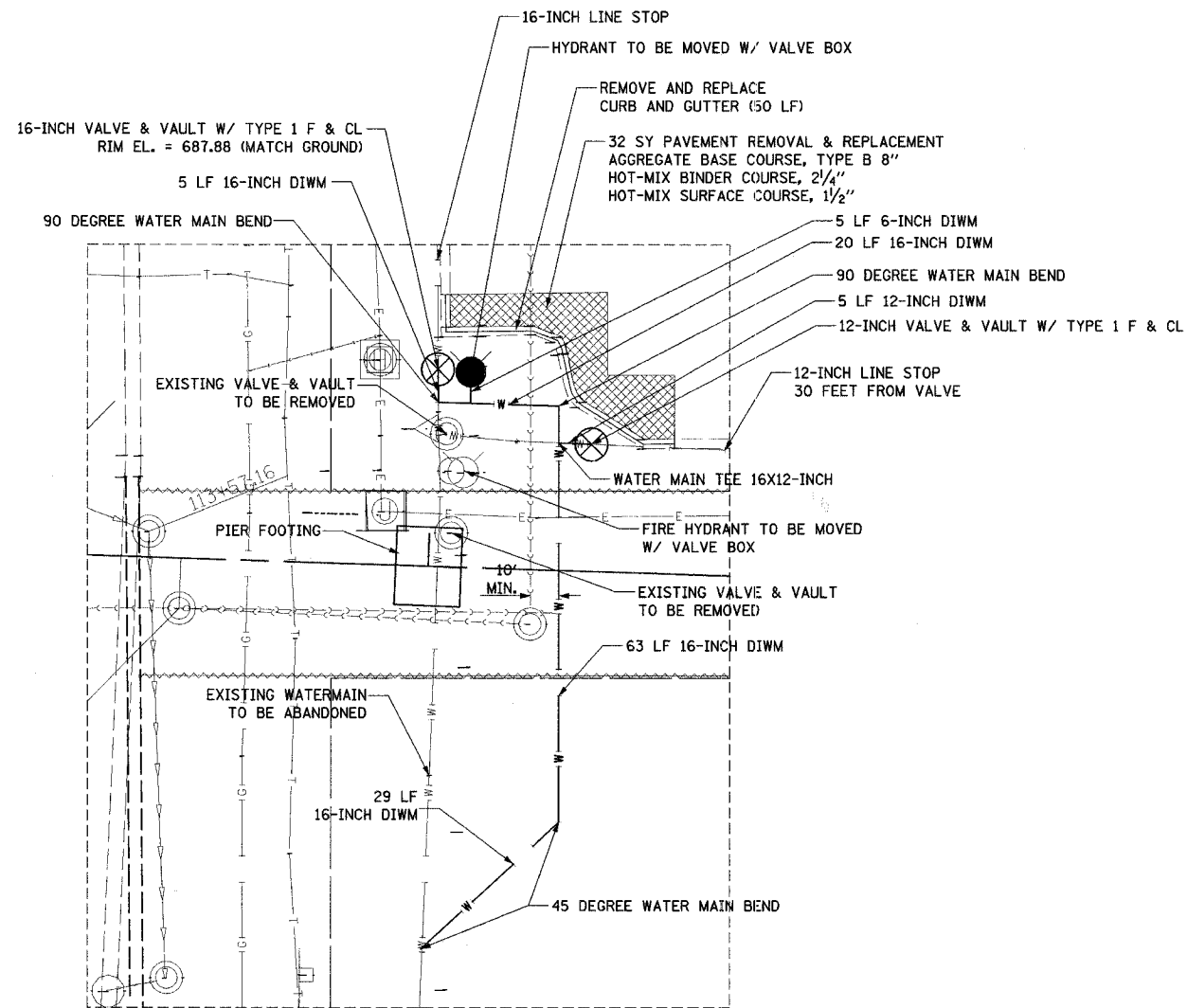
CITY OF NAPERVILLE
MISCELLANEOUS DETAILS



DATE : 12-8-2006

DRAWN BY : DGM
CHECKED BY : DDL

F.A. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	D5-00130-00+BR	WILL	41	8
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			
CONTRACT NO. 83889				



NOTES: CONTRACTOR SHALL REROUTE WATERMAIN AT SAME ELEVATION AS EXISTING WATERMAIN.

CONTRACTOR TO FOLLOW CITY OF NAPERVILLE STANDARDS.

CONTRACTOR SHALL RETURN EXISTING VALVES & AND FRAMES & GRATES TO BE REMOVED TO THE CITY OF NAPERVILLE.

URS 100 S. WACKER DR. STE 500 TEL (312) 939-1000
CHICAGO IL. 60606 FAX (312) 939-4198

REVISIONS	
NAME	DATE

CITY OF NAPERVILLE

MISCELLANEOUS DETAILS

50' 0 50' 100'

DATE : 12-8-2006

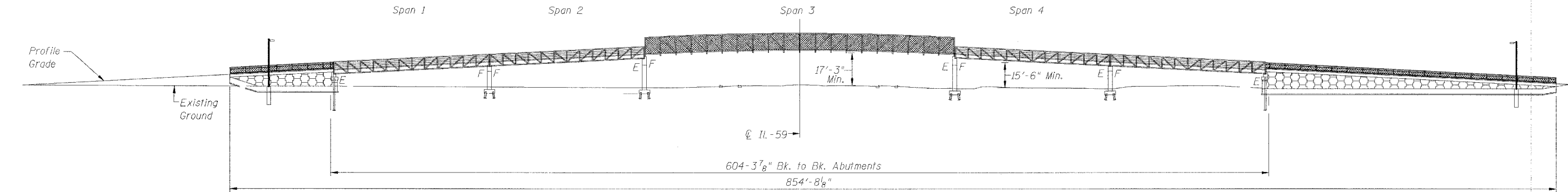
DRAWN BY : DGM

CHECKED BY : DDL

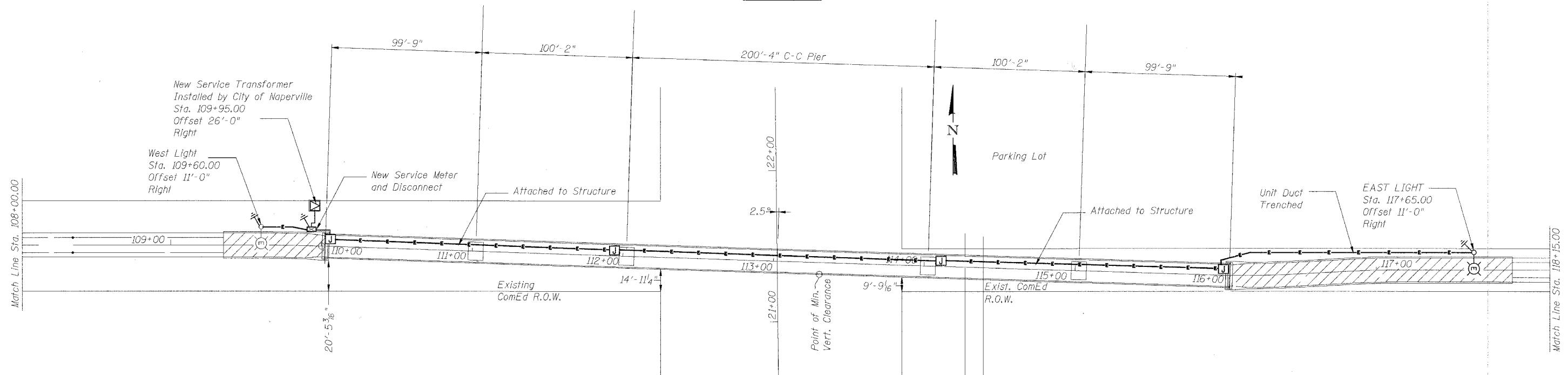
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P.	05-00130-00-BR	WILL	40	9
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT	

CONTRACT NO. 83889



ELEVATION



PLAN

Symbols

- — — Underground Incoming Service 2/C #6, 1/C #8 Ground
- E — — — Underground Unit Duct, 2/C #10 AWG, 1/C #10 Bare Ground, Trenched
- — — 3/4" Rigid Galvanized Conduit, 2/C #10 AWG, 1/C #10 Ground Attached to structure
- ⊠ Utility Transformer
- ⊞ Service Meter and Disconnect
- ⊕ Ground Rod
- ⊙ Shoe Box Type Light, 250 Watt High Pressure Sodium 30' Square Anodized Aluminum Pole.
- ⊠ Junction Box

General Notes

1. Become familiar with the existing conditions prior to bidding.
2. Perform all work in accordance with the latest codes, rules and specifications of the NEC, IDOT and the City of Naperville.
3. Electrical devices and equipment are shown symbolically on the plans. The use of symbols and notations (or omission thereof) does not relieve the contractor from furnishing a safe, complete and fully functional system.
4. Field locate devices and equipment to facilitate accessibility with the respect to operations and maintenance conditions.
5. Coordinate electrical work with general contractor, other trades and existing conditions to avoid conflicts or delays.
6. Provide only new U.L. labeled equipment and materials.
7. Prior to energizing the system, test the entire system as described in specifications.
8. Install a complete integrated grounding and bonding system for all new equipment and devices per NEC 250.
9. Install Expansion fittings at expansion joints of the bridge structure. See Bridge Plans for details

DESIGNED	DAD
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DRAWN	
CHECKED	

REVISIONS	
NAME	DATE

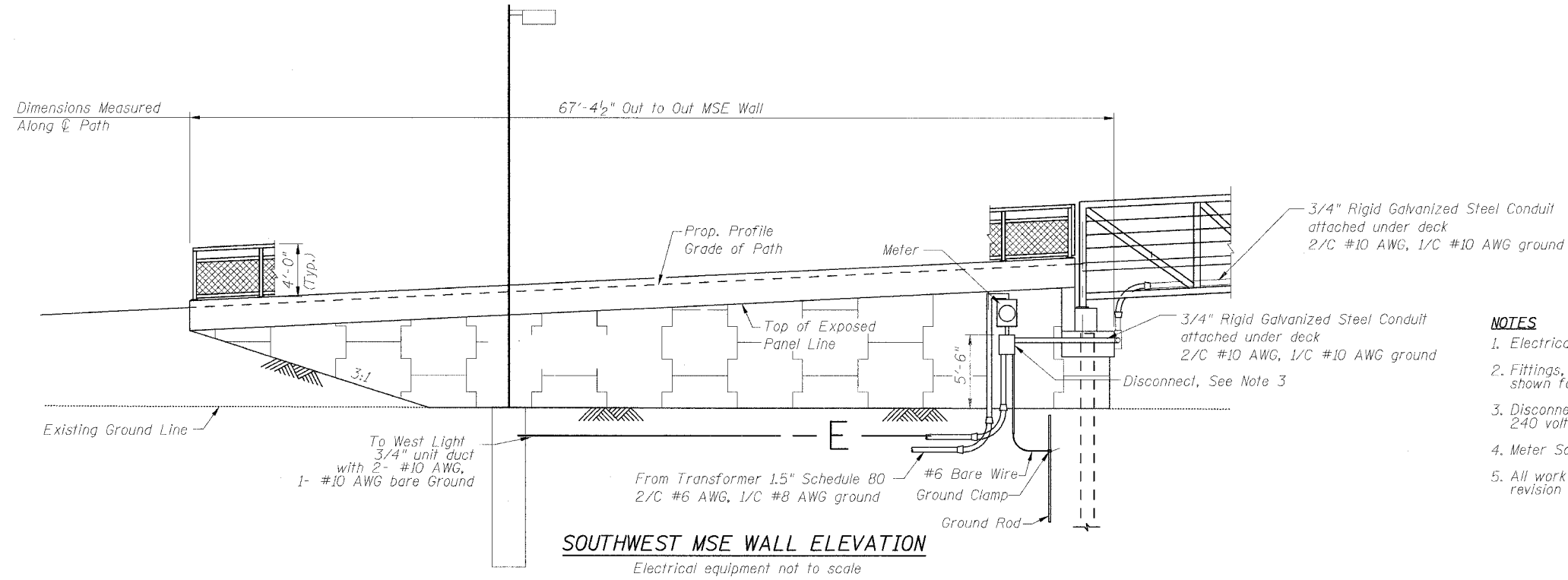
URS 100 South Wacker Drive,
Suite 500
Chicago, IL 60606
(312) 939-1000

ILLINOIS DEPARTMENT OF TRANSPORTATION
ELECTRICAL PLAN AND ELEVATION
ROUTE 59 PEDESTRIAN BRIDGE
CITY OF NAPERVILLE, WILL COUNTY
RTE. 59 STATION 113+02.46
SCALE: N.T.S.
SECTION: 05-00130-00-BR
STRUCTURE NO. 099-6002
DATE: 12-8-2006

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

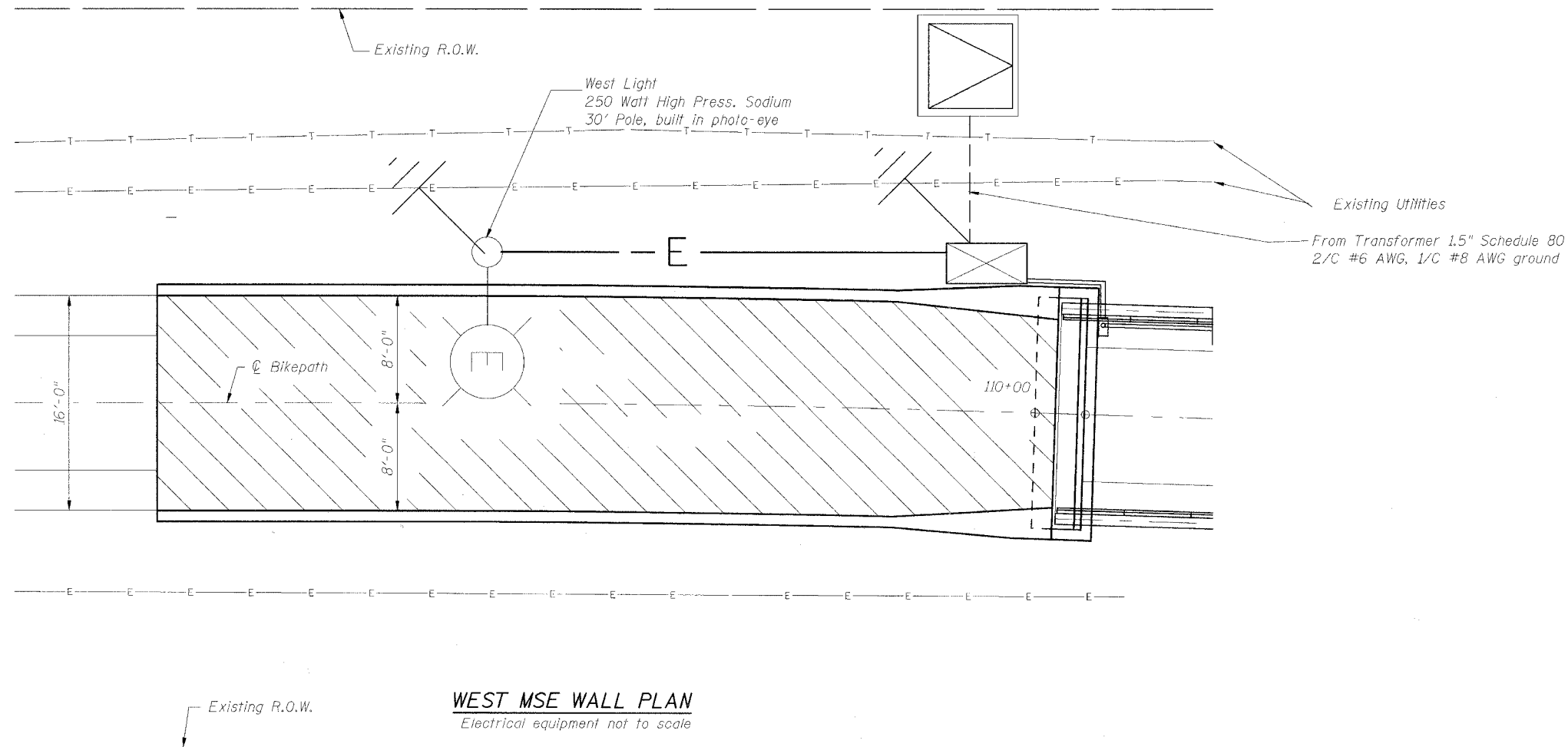
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F.A.P.	05-00130-00-BR	WILL	40	10
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-	

CONTRACT NO. 83889



NOTES

1. Electrical items are shown not to scale for clarity.
2. Fittings, elbows, LBs, expansion joints and other misc. fittings and brackets are not shown for clarity. All items required to complete the work shall be included.
3. Disconnect shall be lockable in the on and off positions. Breaker shall be rated for 240 volts, 2 pole 30 amps.
4. Meter Socket must be certified for use with Commonwealth Edison.
5. All work to conform to Section 800 of IDOT Standard specifications and the latest revision of the NEC.



DESIGNED	DAD
CHECKED	DL
DRAWN	SOI
CHECKED	

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
WEST MSE PLAN & ELEV
ELECTRICAL DETAILS
ROUTE 59 PEDESTRIAN BRIDGE
CITY OF NAPERVILLE, WILL COUNTY

URS 100 South Wacker Drive,
Suite 500
Chicago, IL 60606
(312) 939-1000

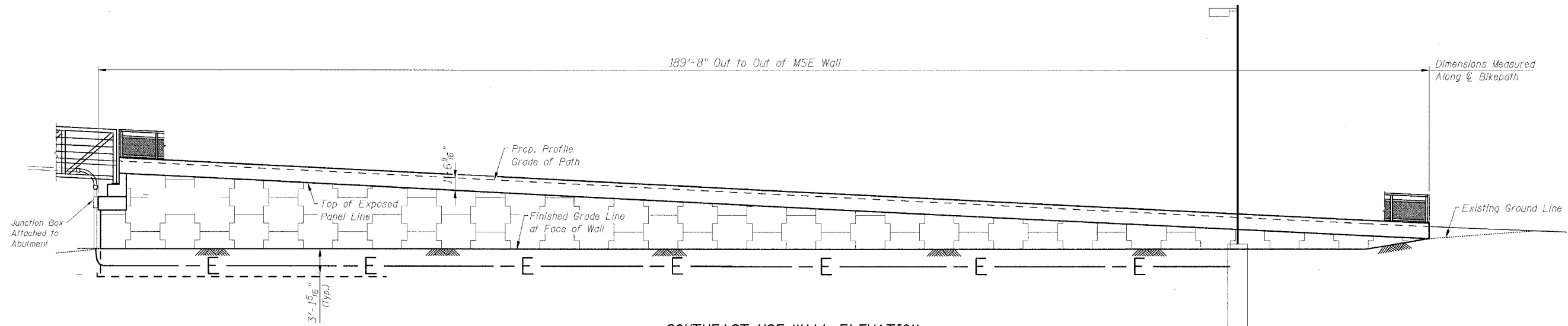
RTE. 59
STATION 113+02.46
SCALE: N.T.S.

SECTION: 05-00130-00-BR
STRUCTURE NO. 099-6002
DATE: 12-8-2006

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P.	05-00130-00-BR	WILL	40	11
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT	

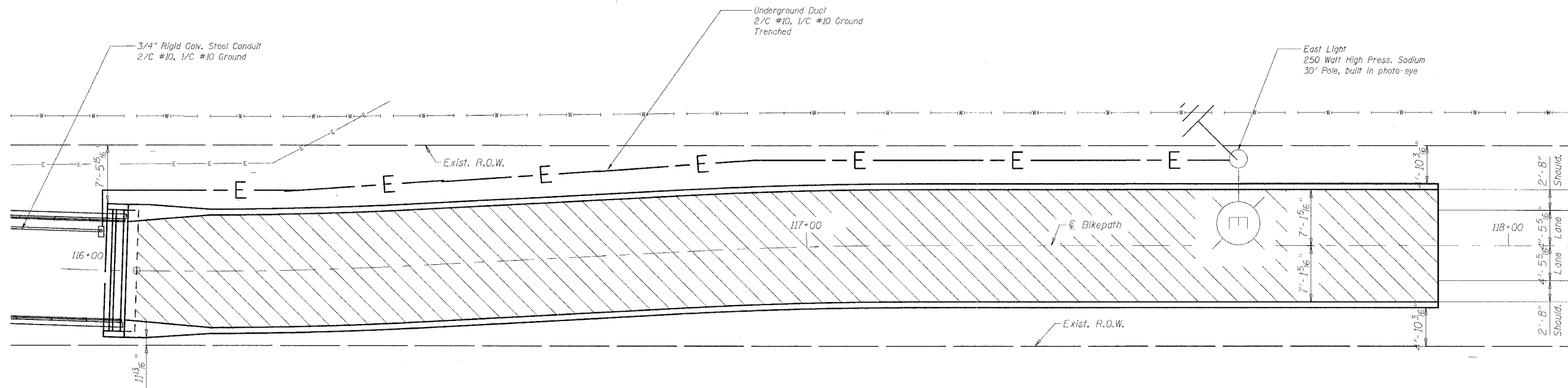
CONTRACT NO. 83889



SOUTHEAST MSE WALL ELEVATION
(Northeast Elevation - Opposite Hand)

NOTES

1. Electrical items are shown not to scale for clarity.
2. Fittings, elbows, LBs, expansion joints and other misc. fittings and brackets are not shown for clarity. All items required to complete the work shall be included.
3. All work to conform to Section 800 of IDOT Standard specifications and the latest revision of the NEC.



EAST MSE WALL PLAN

DESIGNED	DAD
CHECKED	DL
DRAWN	SOI
CHECKED	

REVISIONS	
NAME	DATE

URS
100 South Wacker Drive,
Suite 500
Chicago, IL 60606
(312) 939-1000

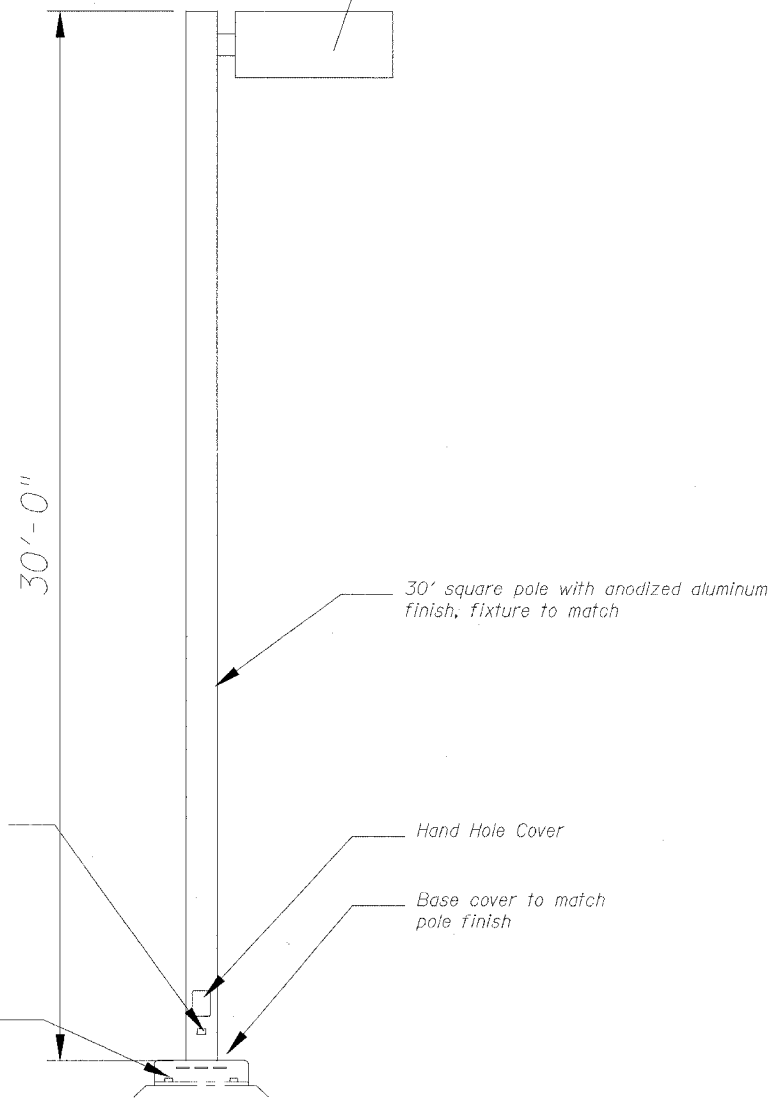
ILLINOIS DEPARTMENT OF TRANSPORTATION
**EAST MSE PLAN & ELEV
ELECTRICAL DETAILS**
ROUTE 59 PEDESTRIAN BRIDGE
CITY OF NAPERVILLE, WILL COUNTY
RTE. 59
STATION 113+02.46
SCALE: N.T.S.
SECTION: 05-00130-00-BR
STRUCTURE NO. 099-6002
DATE: 12-8-2006

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

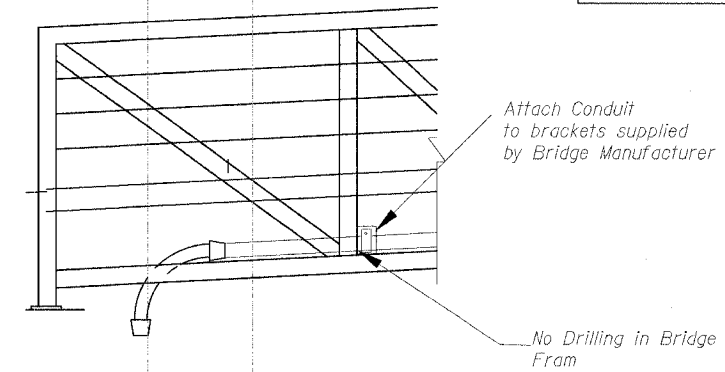
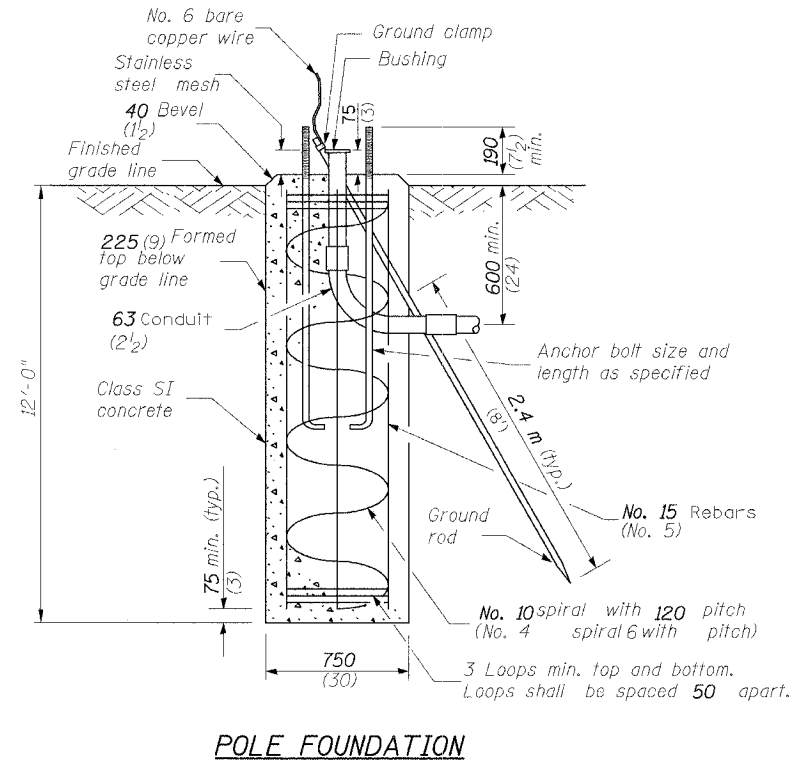
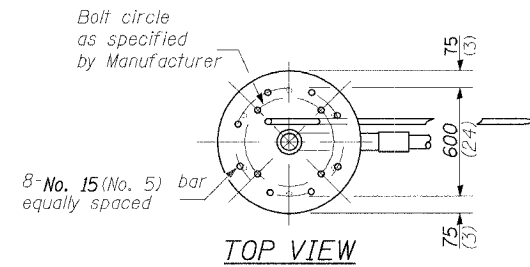
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F.A.P.	05-00130-00-BR	WILL	40	12
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-	

CONTRACT NO. 83889

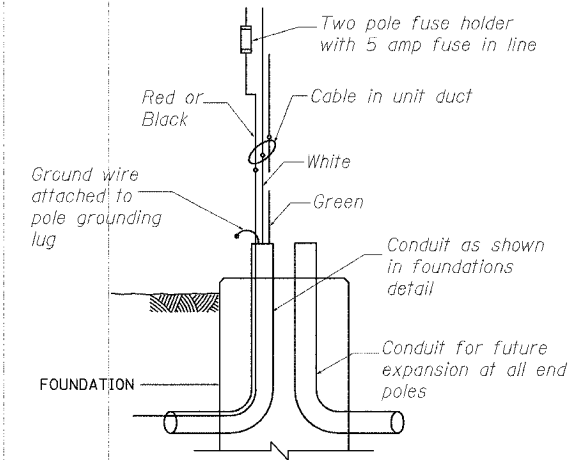
High Pressure Sodium outdoor lighting fixture shoe box style, 250 watt, 230 volt, type II distribution, photo-eye built into light



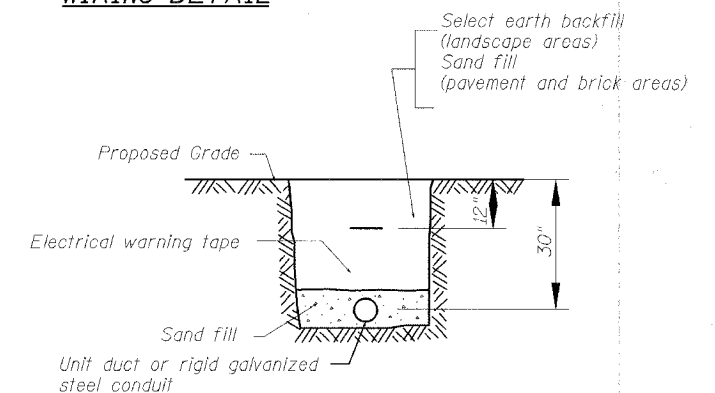
LIGHT POLE



TYPICAL CONDUIT ATTACHMENT



WIRING DETAIL



TRENCH DETAIL

NOTES

1. Install two new light poles with fixtures, and foundations per IDOT specifications.
2. New Lights to be located as shown on Electrical general plans.
3. Supply luminaire with built in photo-eye.
4. Bond poles to service feeds

DESIGNED	DAD
CHECKED	DL
DRAWN	SOI
CHECKED	---

URS
100 South Wacker Drive,
Suite 500
Chicago, IL 60606
(312) 939-1000

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
**POLE AND FOUNDATION
ELECTRICAL DETAILS**

ROUTE 59 PEDESTRIAN BRIDGE
CITY OF NAPERVILLE, WILL COUNTY

RTE. 59
STATION 113+02.46
SCALE: N.T.S.

SECTION: 05-00130-00-BR
STRUCTURE NO. 099-6002
DATE: 12-8-2006

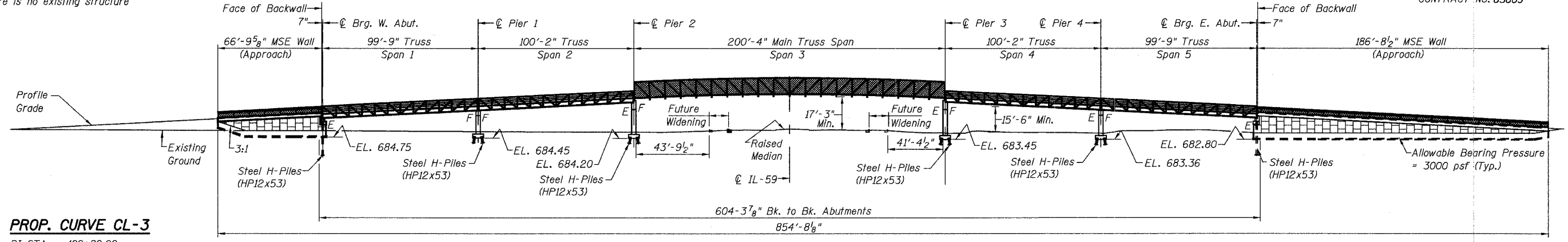
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P.	05-00130-00-BR	WILL	41	13
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-	

SHEET NO. 1
OF 23 SHEETS

CONTRACT NO. 83889

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

B. M. : Site Bench Mark: Chiseled "□" at southeast corner of ComEd Box on North-Side of Access Road, approximately half way down - Elev. 688.655.
Project Bench Mark: Bernstein Road, Top of Security Monument @ 103rd Street and Entrance to Fire Station on the southeast corner of driveway entrance.
There is no existing structure

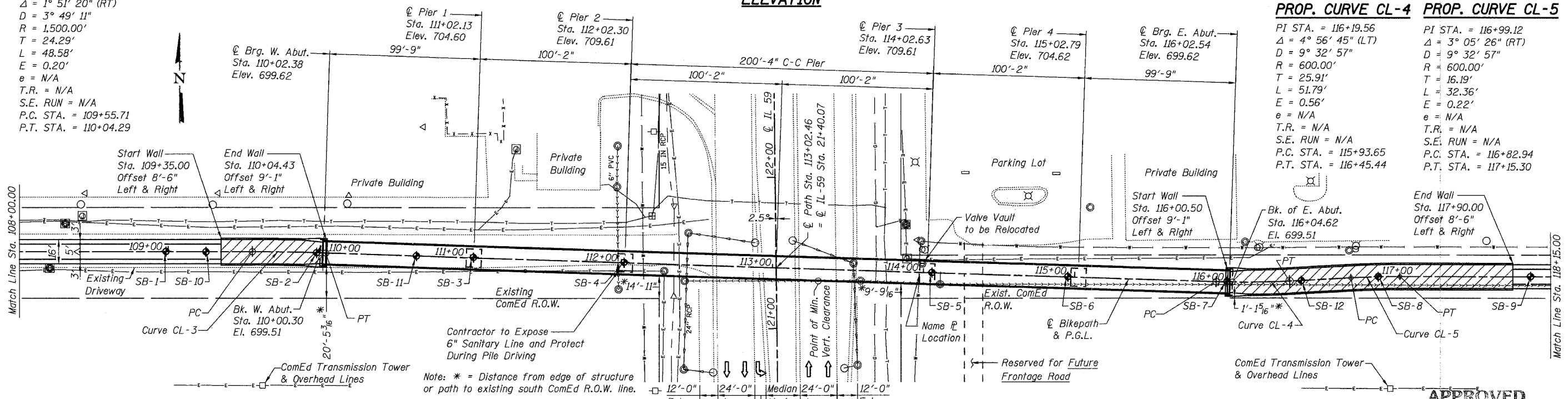


PROP. CURVE CL-3
PI STA. = 109+80.00
Δ = 1° 51' 20" (RT)
D = 3° 49' 11"
R = 1,500.00'
T = 24.29'
L = 48.58'
E = 0.20'
e = N/A
T.R. = N/A
S.E. RUN = N/A
P.C. STA. = 109+55.71
P.T. STA. = 110+04.29

PROP. CURVE CL-4
PI STA. = 116+19.56
Δ = 4° 56' 45" (LT)
D = 9° 32' 57"
R = 600.00'
T = 25.91'
L = 51.79'
E = 0.56'
e = N/A
T.R. = N/A
S.E. RUN = N/A
P.C. STA. = 115+93.65
P.T. STA. = 116+45.44

PROP. CURVE CL-5
PI STA. = 116+99.12
Δ = 3° 05' 26" (RT)
D = 9° 32' 57"
R = 600.00'
T = 16.19'
L = 32.36'
E = 0.22'
e = N/A
T.R. = N/A
S.E. RUN = N/A
P.C. STA. = 116+82.94
P.T. STA. = 117+15.30

ELEVATION



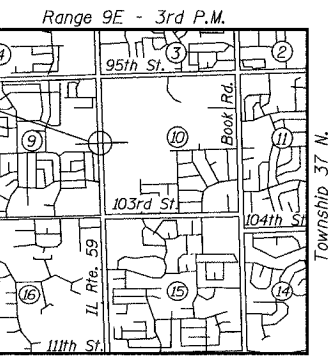
PLAN

LOADING H10 & PEDESTRIAN @ 85 P.S.F.
MSE Wall shall be designed for a min. surcharge of 85 psf and an equivalent fluid pressure of 50 psf.

DESIGN STRESSES

FIELD UNITS
f'c = 3,500 P.S.I.
Fy = 60,000 P.S.I. (Reinf.)
Fy = 50 K.S.I. (Struct.) (AASHTO M270, Grade 50) - Exp. P.
Fy = 36 K.S.I. (Struct.) (AASHTO M270, Grade 36) - Railings
PREFABRICATED BRIDGE UNITS
Fy = 50 K.S.I. (Struct.) (AASHTO M270, Grade 50W)
See GBSP "Pedestrian Truss Superstructure"

DESIGN SPECIFICATIONS
2002 AASHTO Standard Specification for Highway Bridges
1997 AASHTO Guide Specification for the Design of Pedestrian Bridges



LOCATION SKETCH

SEISMIC DATA
Seismic Performance Category (SPC) = A
Bedrock Acceleration Coefficient (A) = 0.04
Site Coefficient (S) = 1.0

- LEGEND:**
- ▨ Portland Cement Concrete Sidewalk 6 inch, Special
 - △ Flared End Section
 - Storm Sewer
 - Sanitary Sewer
 - Gas
 - Telephone
 - Watermain
 - Electric
 - Ditch Line
 - Manhole
 - Catch Basin
 - Street Light
 - Transformer/Switch
 - Hydrant

Date: 12-08-2006 Exp. Date: 11-30-2008

I Certify that to the best of my knowledge, information and belief, this Bridge/Box Culvert 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"

APPROVED
FOR STRUCTURAL ADEQUACY ONLY
Ralph E. Anderson
ENGINEER OF STRUCTURES



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
GENERAL PLAN AND ELEVATION
ROUTE 59 PEDESTRIAN BRIDGE
CITY OF NAPERVILLE, WILL COUNTY
F.A.P. RTE. STATION 113+02.46 SECTION: 05-00130-00-BR STRUCTURE NO. 099-6002
SCALE: N.T.S. DATE: 12/8/2006

URS
100 South Wacker Drive,
Suite 500
Chicago, IL 60606
(312) 939-1000

1/10/2007 1:52:08 PM C:\Naperville\2536506_PedBridg\Bridg\Pre-Final\Plans\Drawings\01_GP&E.dwg

DESIGNED MDS
CHECKED JPB
DRAWN MDS
CHECKED JPB

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P.	05-00130-00-BR	WILL	41	14
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-	CONTRACT NO. 83889	

SHEET NO. 2
OF 23 SHEETS

GENERAL NOTES

Reinforcement shall conform to the requirements of ASTM A706 Grade 60 (IL Modified). See Special Provisions.

All Reinforcement Bars Designated (E) shall be epoxy coated.

The contractor shall drive test piles to 110% of the nominal required bearing indicated in the pile data information, in production locations at substructures specified or approved by the Engineer before ordering the remainder of piles.

Concrete Sealer shall be applied to all exposed surfaces of the piers and abutments, as well as the MSE wall up to the back of backwall location.

All construction joints shall be bonded.

Calculated Weight of Grade 50 Structural Steel = 3,376 pounds.

Expansion Guards shall be assembled in the proper position with the ends in place and shall be left assembled for shop inspection.

All structural steel for expansion joint plates and attached bars shall be AASHTO M270 Grade 50.

Expansion joint plates and attached bars shall be shop painted with the inorganic zinc rich primer.

Field welding of construction accessories will not be permitted to beams, girders or truss members.

Anchor bolts shall be set before erecting deck forms or other obstructions over supports.

Construction of MSE Walls and fill shall be completed 30 calendar days prior to construction of the Concrete Sidewalk, any appurtenances or any facilities which will be supported by the fill to allow for settlement of the subgrade soils.

MSE Wall Panels must be fabricated to provide for a 1.1 inch initial anticipated settlement, and an additional 3/4" of long term consolidation, which will occur over approximately 30 days, of the subgrade soils.

The steel H-Piles shall be according to AASHTO M270 Grade 50.

Truss fabricator shall provide a 1" nominal shim pack for each bearing consisting of a 1", 1/2", 1/4", and 2-1/8" shim plates matching the dimensions of the masonry plate provided, including holes for anchor bolts. Cost included in the cost of PEDESTRIAN BRIDGE SUPERSTRUCTURE.

INDEX OF DRAWING SHEETS

1. General Plan and Elevation
2. General Notes and Total Bill of Material
3. Top of Deck Elevations
4. Bridge Sections and Details
5. Abutment Details
6. Pier 1 & 4 Details
7. Pier 2 Details
8. Pier 3 Details
9. Anchor Bolt Details
10. West MSE Wall Plan and Elevation
11. East MSE Wall Plan and Elevation
12. MSE Wall Details
13. Architectural Details
14. Bicycle Railing Details
15. Soil Borings 1 and 2
16. Soil Boring 3
17. Soil Boring 4
18. Soil Boring 5
19. Soil Borings 6 and 7
20. Soil Borings 8 and 9
21. Soil Boring 10
22. Soil Boring 11
23. Soil Boring 12

TOTAL BILL OF MATERIAL

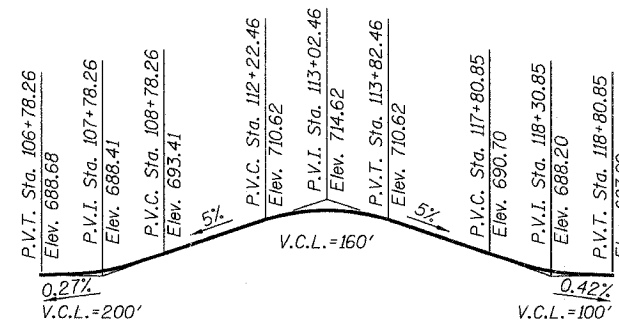
Description	Unit	Superstructure	Substructure	Total
Structure Excavation	Cu Yd	----	1,144.2	1,144.2
Concrete Structures	Cu Yd	----	165.7	165.7
Reinforcement Bars, Epoxy Coated	Pound	----	32,940	32,940
Furnishing Steel Piles HP12x53	Foot	----	1326	1326
Driving Piles	Foot	----	1326	1326
Test Pile Steel HP 12x53	Each	----	6	6
Pile Shoes	Each	----	36	36
Concrete Sealer	Sq Ft	----	2,817	2,817
* Pedestrian Truss Superstructure	Sq Ft	8,410	----	8,410
* Mechanically Stabilized Earth Retaining Wall	Sq Ft	----	5,308	5,308
Bicycle Railing	Foot	----	507	507
* Portland Cement Concrete Sidewalk 6", Special	Sq Ft	----	4,499	4,499
* Porous Granular Embankment, Special	Cu Yd	----	376	376
Furnishing and Erecting Structural Steel	Pound	3,376	----	3,376
Name Plate	Each	----	1	1
Form Liner Textured Surface	Sq Ft	----	614	614

* Items requiring Special Provisions.

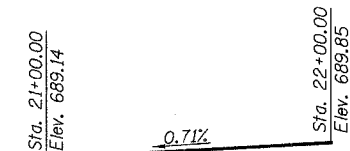
Note:
Cost of anchor bolts shall be included in the cost of Pedestrian Truss Superstructure.

STATION 113+02.46
BUILT BY
CITY OF NAPERVILLE
WILL COUNTY
SN 099-6002
LOADING H10 & PEDESTRIAN

NAME PLATE
See Std. 515001



PROFILE GRADE PEDESTRIAN BRIDGE



PROFILE GRADE IL-59
(From Survey)

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DESIGNED	MDS
CHECKED	JPB
DRAWN	MDS
CHECKED	JPB

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
**GENERAL NOTES AND
TOTAL BILL OF MATERIAL**
ROUTE 59 PEDESTRIAN BRIDGE
CITY OF NAPERVILLE, WILL COUNTY

F.A.P. RTE. SECTION: 05-00130-00-BR
STATION 113+02.46 STRUCTURE NO. 099-6002
SCALE: N.T.S. DATE: 12/8/2006

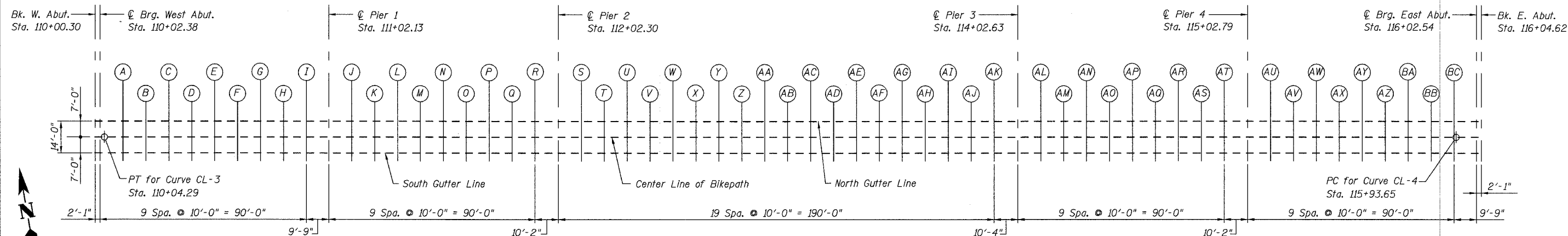
URS
100 South Wacker Drive,
Suite 500
Chicago, IL 60606
(312) 939-1000

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P.	05-00130-00-BR	WILL	41	15
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-	

CONTRACT NO. 83889

SHEET NO. 3
OF 23 SHEETS



"FINAL" DECK PLAN

"FINAL" DECK ELEVATIONS

(Final elevations, not adjusted for DL deflection) *

Station	Location	North Gutter	Center Line	South Gutter
110+00.30	Bk. W. Abut.	699.37	699.51	699.37
110+02.38	CL Brg. W. Abut.	699.48	699.62	699.48
110+12.38	A	699.98	700.12	699.98
110+22.38	B	700.48	700.62	700.48
110+32.38	C	700.98	701.12	700.98
110+42.38	D	701.48	701.62	701.48
110+52.38	E	701.98	702.12	701.98
110+62.38	F	702.48	702.62	702.48
110+72.38	G	702.98	703.12	702.98
110+82.38	H	703.48	703.62	703.48
110+92.38	I	703.98	704.12	703.98
111+02.13	CL Pier 1	704.46	704.60	704.46
111+12.13	J	704.96	705.10	704.96
111+22.13	K	705.46	705.60	705.46
111+32.13	L	705.96	706.10	705.96
111+42.13	M	706.46	706.60	706.46
111+52.13	N	706.96	707.10	706.96
111+62.13	O	707.46	707.60	707.46
111+72.13	P	707.96	708.10	707.96
111+82.13	Q	708.46	708.60	708.46
111+92.13	R	708.96	709.10	708.96
112+02.30	CL Pier 2	709.47	709.61	709.47
112+12.30	S	709.97	710.11	709.97
112+22.30	T	710.47	710.61	710.47
112+32.30	U	710.94	711.08	710.94
112+42.30	V	711.35	711.49	711.35
112+52.30	W	711.69	711.83	711.69
112+62.30	X	711.98	712.12	711.98
112+72.30	Y	712.20	712.34	712.20
112+82.30	Z	712.35	712.49	712.35
112+92.30	AA	712.45	712.59	712.45
113+02.30	AB	712.48	712.62	712.48

"FINAL" DECK ELEVATIONS (CONT.)

(Final elevations, not adjusted for DL deflection) *

Station	Location	North Gutter	Center Line	South Gutter
113+12.30	AC	712.45	712.59	712.45
113+22.30	AD	712.36	712.50	712.36
113+32.30	AE	712.20	712.34	712.20
113+42.30	AF	711.98	712.12	711.98
113+52.30	AG	711.70	711.84	711.70
113+62.30	AH	711.36	711.50	711.36
113+72.30	AI	710.96	711.10	710.96
113+82.30	AJ	710.49	710.63	710.49
113+92.30	AK	710.99	711.13	710.99
114+02.63	CL Pier 3	709.47	709.61	709.47
114+12.63	AL	708.97	709.11	708.97
114+22.63	AM	708.47	708.61	708.47
114+32.63	AN	707.97	708.11	707.97
114+42.63	AO	707.47	707.61	707.47
114+52.63	AP	706.97	707.11	706.97
114+62.63	AQ	706.47	706.61	706.47
114+72.63	AR	705.97	706.11	705.97
114+82.63	AS	705.47	705.61	705.47
114+92.63	AT	704.97	705.11	704.97
115+02.79	CL Pier 4	704.46	704.60	704.46
115+12.79	AU	703.96	704.10	703.96
115+22.79	AV	703.46	703.60	703.46
115+32.79	AW	702.96	703.10	702.96
115+42.79	AX	702.46	702.60	702.46
115+52.79	AY	701.96	702.10	701.96
115+62.79	AZ	701.46	701.60	701.46
115+72.79	BA	700.96	701.10	700.96
115+82.79	BB	700.46	700.60	700.46
115+92.79	BC	699.96	700.10	699.96
116+02.54	CL Brg. E. Abut.	699.48	699.62	699.48
116+04.62	Bk. E. Abut.	699.37	699.51	699.37

* Contractor is expected to adjust his/her work to "hit" the elevations & must make all necessary adjustments.

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DESIGNED	MDS
CHECKED	JPB
DRAWN	MDS
CHECKED	JPB

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REVISIONS	
NAME	DATE

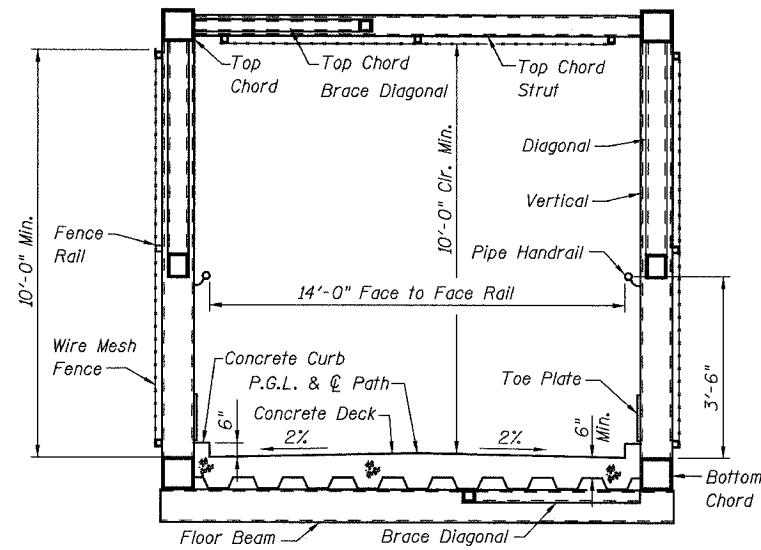
ILLINOIS DEPARTMENT OF TRANSPORTATION
TOP OF DECK ELEVATIONS
ROUTE 59 PEDESTRIAN BRIDGE
CITY OF NAPERVILLE, WILL COUNTY
F.A.P. RTE. SECTION: 05-00130-00-BR
STATION 113+02.46 STRUCTURE NO. 099-6002
SCALE: N.T.S. DATE: 12/8/2006

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

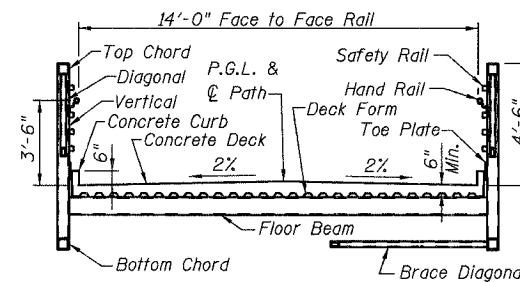
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P.	05-00130 -00-BR	WILL	41	16
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

SHEET NO. 4
OF 23 SHEETS

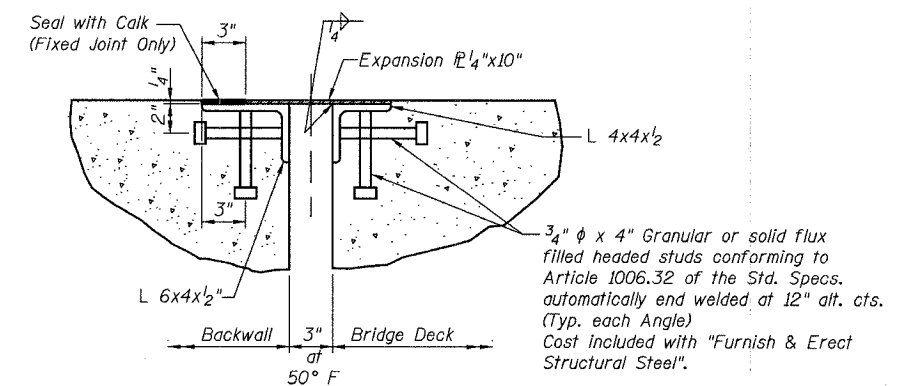
CONTRACT NO. 83889



MAIN SPAN OVER IL-59 - SECTION



RAMP SPANS - SECTION



EXPANSION JOINT DETAIL

(Fixed Joint similar, except as shown)
(Paid for as Furnish & Erect Structural Steel)

Note:
Expansion Joint shall continue onto inside face of curb.

REACTION TABLE - 200± FT. SPAN

"Design loads utilized, provided by Truss Fabricator. This information has been provided for reference only. If actual design loads exceed those stated by more than 5%, the Fabricator must inform the Design Engineer to re-evaluate the substructure design."

Load Type	P (Lbs.)	H (Lbs.)	L (Lbs.)
Dead Load	96,250	-----	-----
Uniform Live Load	59,500	-----	-----
Vehicle Load	5,000	-----	-----
Wind Uplift (20 psf)	-24,000	-----	-----
Wind	±16,800	42,000	-----
Thermal	-----	-----	14,440

"P" - Vertical Load at Each Base Plate (4 per Bridge)
"H" - Horizontal Load at Each Footing (2 per Bridge)
"L" - Longitudinal Load at Each Bearing (4 per Bridge)

REACTION TABLE - 100± FT. SPAN

"Design loads utilized, provided by Truss Fabricator. This information has been provided for reference only. If actual design loads exceed those stated by more than 5%, the Fabricator must inform the Design Engineer to re-evaluate the substructure design."

Load Type	P (Lbs.)	H (Lbs.)	L (Lbs.)
Dead Load	35,875	-----	-----
Uniform Live Load	29,750	-----	-----
Vehicle Load	5,000	-----	-----
Wind Uplift (20 psf)	-11,500	-----	-----
Wind	±3,070	12,550	-----
Thermal	-----	-----	5,385

"P" - Vertical Load at Each Base Plate (4 per Bridge)
"H" - Horizontal Load at Each Footing (2 per Bridge)
"L" - Longitudinal Load at Each Bearing (4 per Bridge)

Pay Item	Unit	Quantity
Pedestrian Bridge Superstructure	Sq. Ft.	8,410
Furnishing & Erecting Structural Steel	Pound	3,376

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DESIGNED	MDS
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DRAWN	MDS
CHECKED	JPB

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REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
**BRIDGE SECTIONS
AND DETAILS**
ROUTE 59 PEDESTRIAN BRIDGE
CITY OF NAPERVILLE, WILL COUNTY

F.A.P. RTE. SECTION: 05-00130-00-BR
STATION 113+02.46 STRUCTURE NO. 099-6002
SCALE: N.T.S. DATE: 12/8/2006

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P.	05-00130-00-BR	WILL	41	17
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-	
CONTRACT NO. 83889				

SHEET NO. 5
OF 23 SHEETS

(***) Note: The MSE wall supplier shall design the abutment soil reinforcement to resist a horizontal force of 1.5 Kips/ft. of abutment.

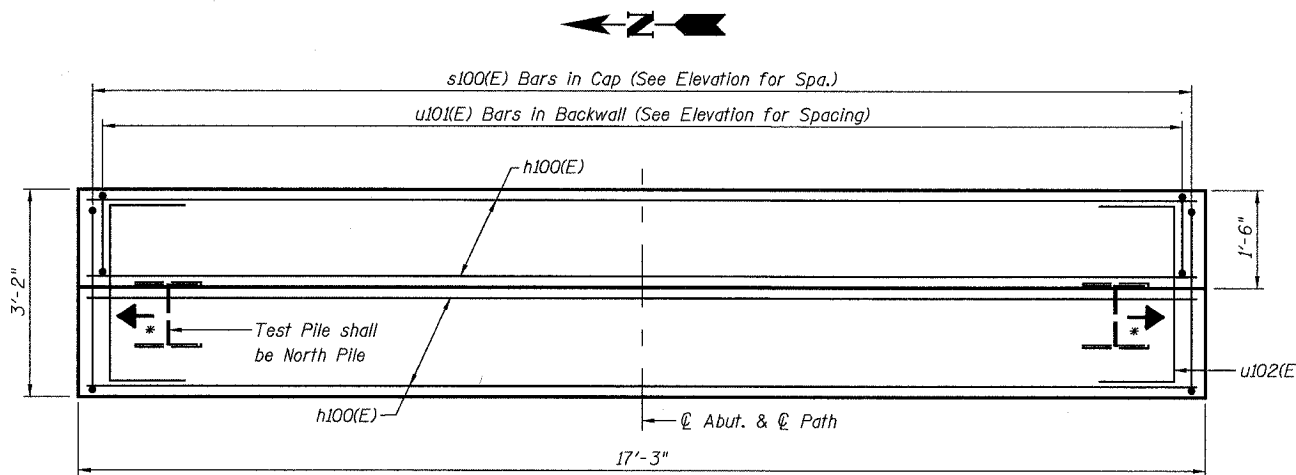
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h100(E)	48	#7	16'-11"	—
s100(E)	38	#5	12'-11"	□
u10(E)	38	#5	11'-10"	□
u102(E)	16	#5	7'-1"	□

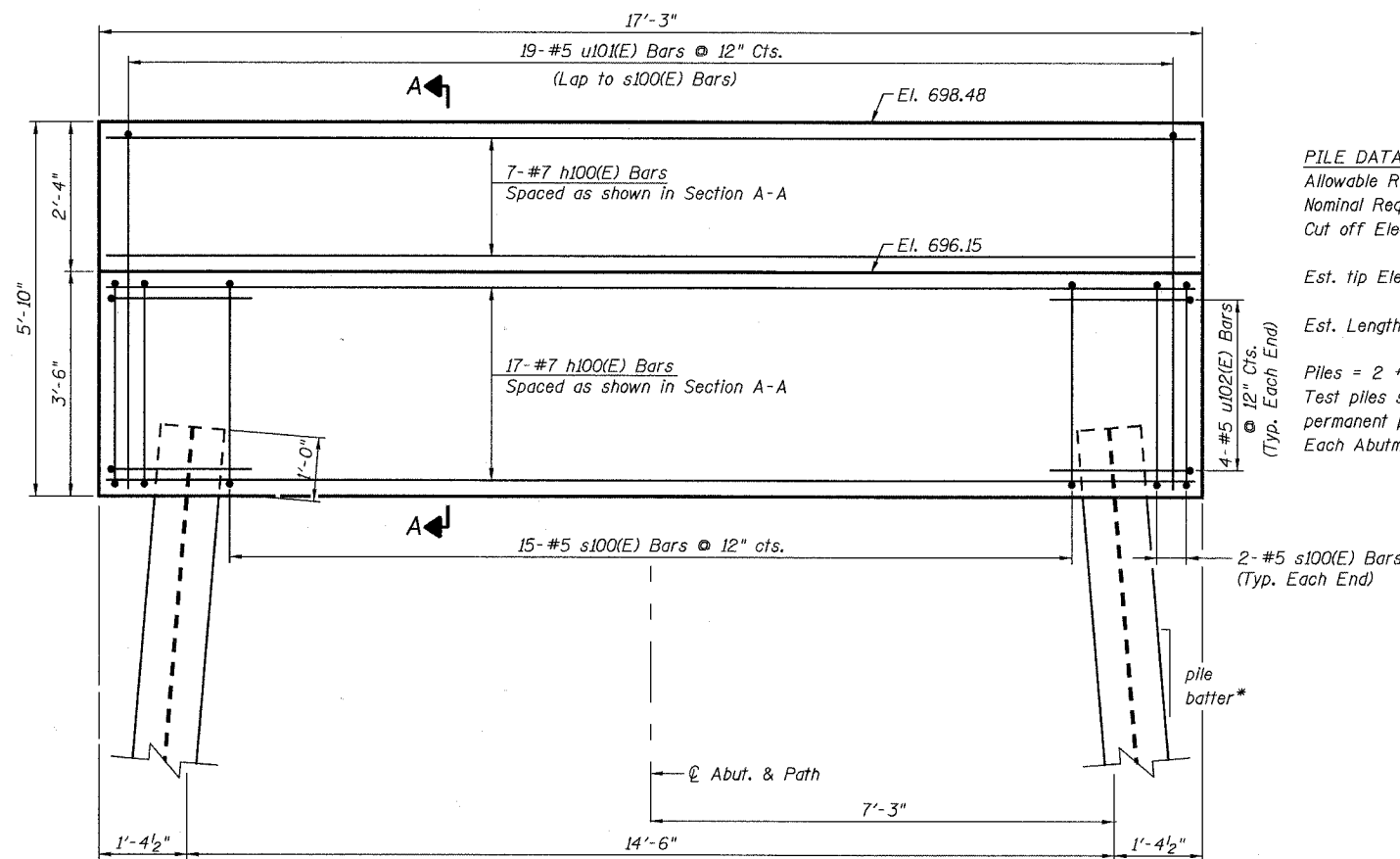
Pay Item	Unit	Quantity
Reinforcement Bars, Epoxy Coated	Lbs.	2,770
Concrete Structures	Cu. Yd.	18.7
Concrete Sealer	Sq. Ft.	185
Pile Shoes	Each	4
Driving Piles	Foot	105
Furnishing Steel Piles, HP 12x53	Foot	105
Test Pile Steel HP 12x53	Each	2

Reinforcement Bars designated (E) shall be Epoxy Coated.

** Note: Piles shall be driven prior to placement of the reinforced select fill and coated with coal tar epoxy from the bottom of the select fill to 1" above the base of the abutment. The cost of the coal tar epoxy coating shall be included with the cost of "Furnishing Steel Piles, HP12x53"



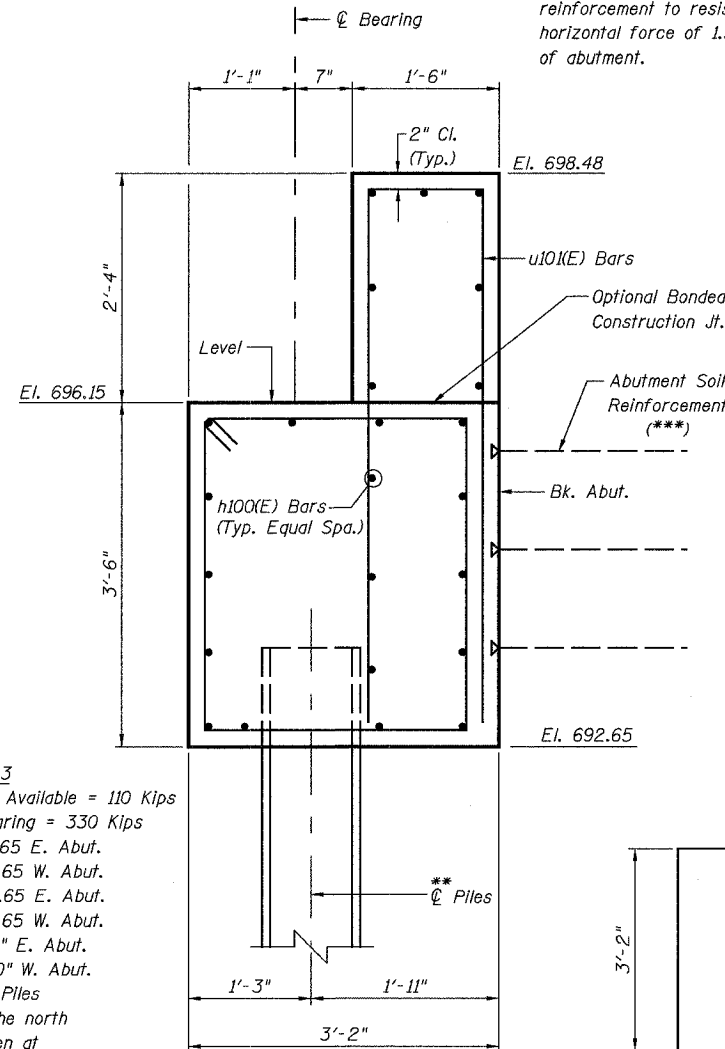
ABUTMENT PLAN
(East Abutment Shown, West Abutment Similar)



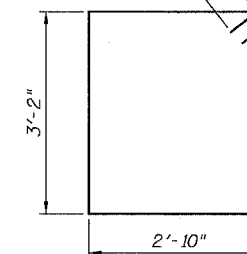
ABUTMENT ELEVATION
(East Abutment shown and West Abutment similar)

*1H:12V pile batter @ East Abutment
0H:12V pile batter @ West Abutment

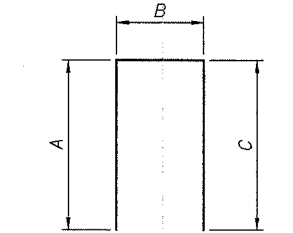
PILE DATA: HP12X53
Allowable Resistance Available = 110 Kips
Nominal Required Bearing = 330 Kips
Cut off Elev. = 693.65 E. Abut.
693.65 W. Abut.
Est. tip Elev. = 643.65 E. Abut.
638.65 W. Abut.
Est. Length = 50'-0" E. Abut.
55'-0" W. Abut.
Piles = 2 + 2 Test Piles
Test piles shall be the north permanent piles driven at Each Abutment.



SECTION A-A
(C.I.P. coping not shown for clarity, see MSE Wall drawings for details)



BAR s100(E)



BARS u10(E) & u102(E)

Bar	A	B	C
u10(E)	5'-4"	1'-2"	5'-4"
u102(E)	2'-2"	2'-9"	2'-2"

NOTES:

- Space reinforcement in cap to miss anchor bolts.
- All edges shall have standard 3/4" chamfers except as noted.
- For Anchor Bolt Details see sheet 9. Truss fabricator shall determine size and location of anchor bolts. Cost included with PEDESTRIAN TRUSS SUPERSTRUCTURE.
- There shall be no splicing of longitudinal bars. Bars shall be ordered full length.
- See Sheet 4 for Superstructure Reaction Tables.

Legend:

E.F. = Each Face
N.F. = Near Face
F.F. = Far Face

→ Arrow denotes direction of pile batter if applicable.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
ABUTMENT DETAILS

ROUTE 59 PEDESTRIAN BRIDGE
CITY OF NAPERVILLE, WILL COUNTY

F.A.P. RTE.
STATION 113+02.46
SCALE: N.T.S.

SECTION: 05-00130-00-BR
STRUCTURE NO. 099-6002
DATE: 12/8/2006

URS
100 South Wacker Drive,
Suite 500
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DESIGNED	MDS
CHECKED	JPB
DRAWN	MDS
CHECKED	JPB

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P.	05-00130-00-BR	WILL	41	19
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-	

SHEET NO. 7
OF 23 SHEETS

CONTRACT NO. 83889

BILL OF MATERIAL

Bar	Size	Length	Shape	No.
h(E)	#5	17'-3"	—	11
n(E)	#9	10'-11"	—	30
p(E)	#10	22'-6"	—	7
s1(E)	#5	22'-6"	—	8
s2(E)	#5	16'-7"	—	6
s3(E)	#5	10'-8"	—	6
s4(E)	#5	12'-8"	—	6
s5(E)	#5	13'-0"	—	12
t(E)	#8	9'-8"	—	28
u1(E)	#6	15'-6"	—	14
u2(E)	#6	8'-5"	—	14
u3(E)	#6	11'-7"	—	8
u4(E)	#6	14'-11"	—	8
u5(E)	#6	20'-3"	—	8
u6(E)	#5	6'-11"	—	24
v(E)	#9	19'-5"	—	30
w(E)	#8	11'-8"	—	40
Concrete Structures	Cu. Yd.			38
Reinforcement Bars, Epoxy Coated	lb.			7,780
Structure Excavation	Cu. Yd.			33.3
Concrete Sealer	Sq. Ft.			594
Furnishing Steel HP12x53 Piles	Foot			308
Driving Piles	Foot			308
Test Pile	Each			1
Steel HP 12x53				
Pile Shoes	Each			8
Form Liner	Sq. Ft.			162.2
Textured Surface				

DATA TABLE

	El. "A"	El. "B"	"H1"	"H2"	N1	El. "C"	El. "D"	El. "E"
Pier 2	707.51	684.20	23'-3 ³ / ₄ "	5'-4 ³ / ₈ "	6	685.20	641.20	706.12

NOTES:

1. Reinforcement Bars designated (E) shall be epoxy coated.
2. Concrete clear cover shall be 2" minimum unless noted otherwise.
3. For Anchor Bolt Details, see Sheet 9. Truss fabricator shall determine size and location of anchor bolts. Cost included with PEDESTRIAN TRUSS SUPERSTRUCTURE.
4. All edges shall have standard 3/4" chamfers except as noted.
5. Min. Lap for Bar #5 = 2'-2", #6 = 2'-7", #9 = 5'-9".
6. Space Reinforcement in Cap to miss Anchor Bolts.
7. For Architectural treatment of Piers see "Architectural Details" drawing.

PILE DATA

Type - Steel H-Piles (HP12x53)
Allowable Resistance Available = 100 Kips
Nominal Required Bearing = 300 Kips
Est. Length - 44 ft (Pier 2)

LEGEND

E.F. = Each Face
N.F. = Near Face
F.F. = Far Face

No. Req'd. - 7 per Pier
Test Piles - 1 per Pier

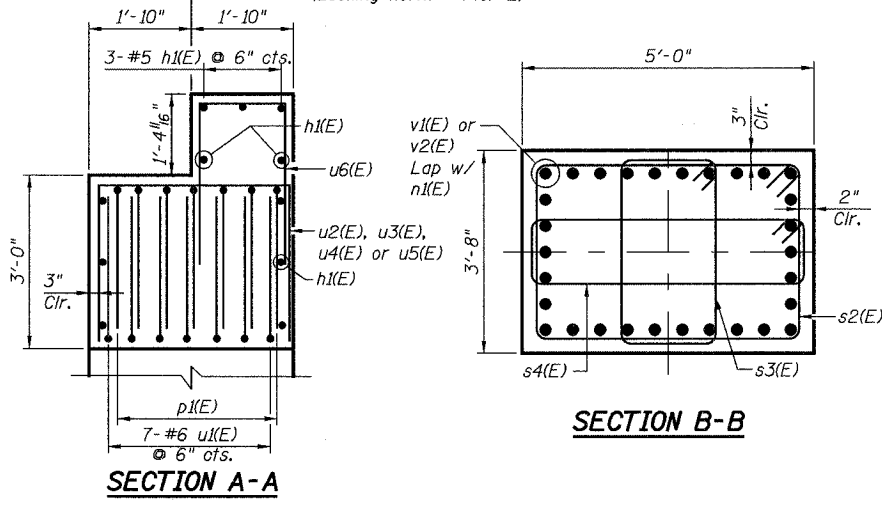
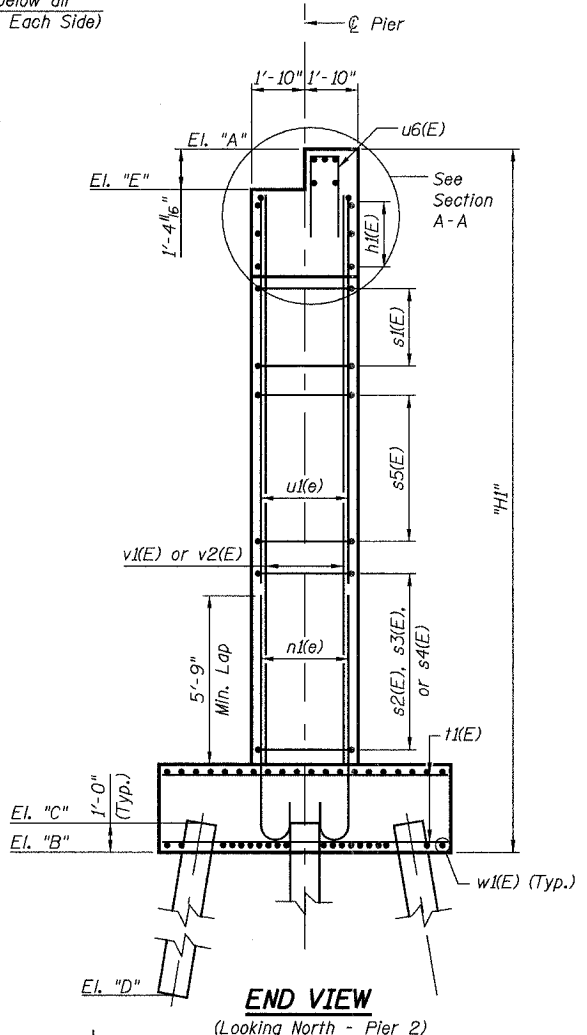
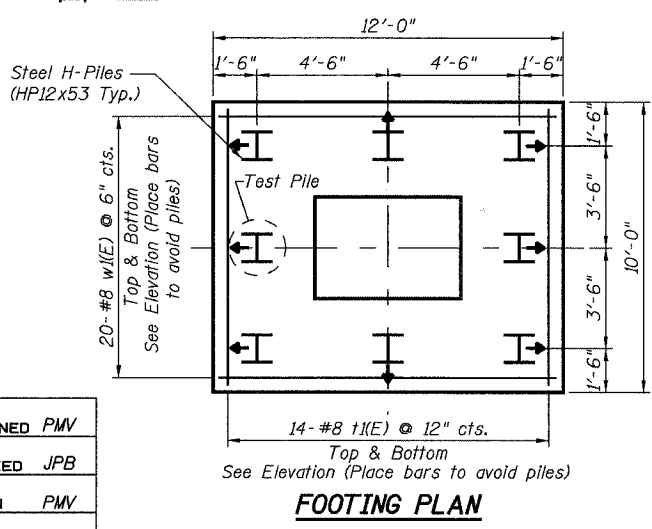
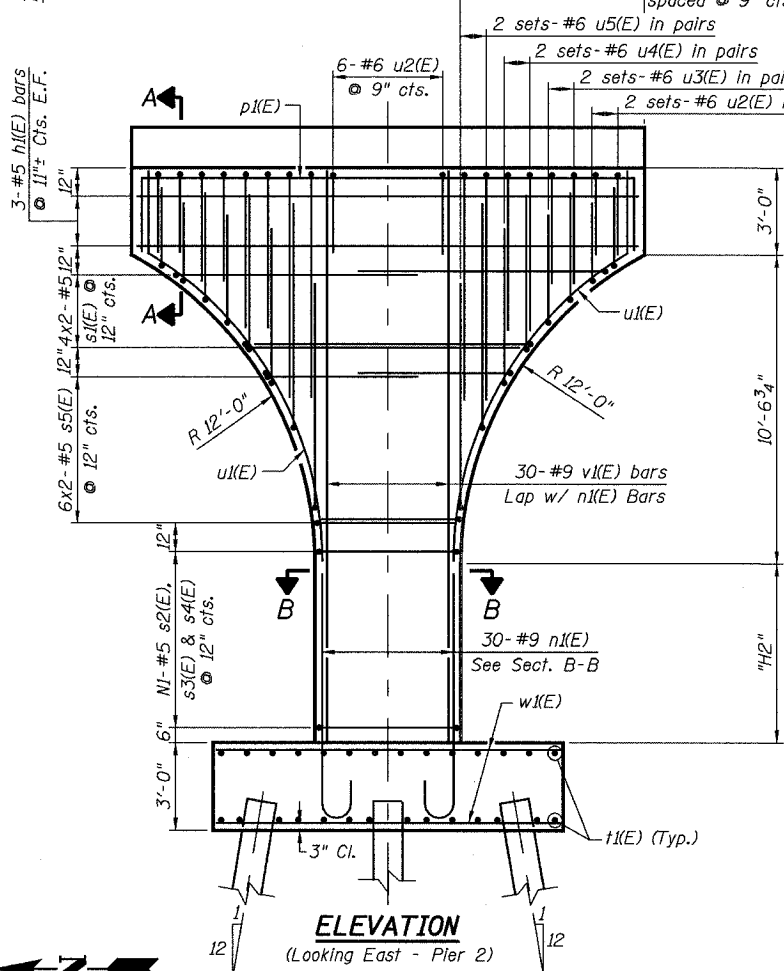
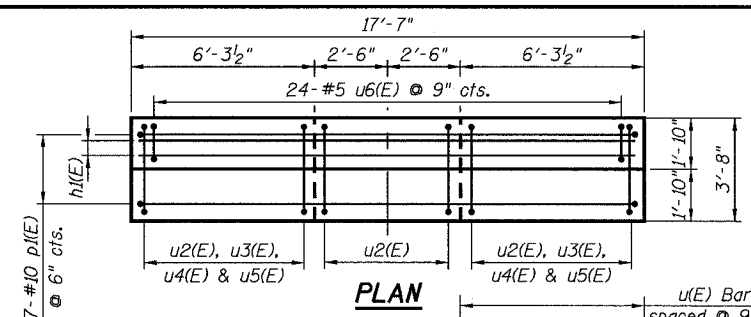
Indicates direction of Pile Batter

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
PIER 2 DETAILS

ROUTE 59 PEDESTRIAN BRIDGE
CITY OF NAPERVILLE, WILL COUNTY

F.A.P. RTE. SECTION: 05-00130-00-BR
STATION 113+02.46 STRUCTURE NO. 099-6002
SCALE: N.T.S. DATE: 12/8/2006



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P.	05-00130-00-BR	WILL	41	20
FED. ROAD DIST. NO. 7		ILLINOIS FED. AID PROJECT-		

SHEET NO. 8
OF 23 SHEETS

CONTRACT NO. 83889

BILL OF MATERIAL

Bar	Size	Length	Shape	No. Pier 3
h1(E)	#5	17'-3"	—	11
n1(E)	#9	10'-11"	—	30
p1(E)	#10	22'-6"	—	7
s1(E)	#5	22'-6"	—	8
s2(E)	#5	16'-7"	—	7
s3(E)	#5	10'-8"	—	7
s4(E)	#5	12'-8"	—	7
s5(E)	#5	13'-0"	—	12
t1(E)	#8	9'-8"	—	28
u1(E)	#6	15'-6"	—	14
u2(E)	#6	8'-5"	—	14
u3(E)	#6	11'-7"	—	8
u4(E)	#6	14'-11"	—	8
u5(E)	#6	20'-3"	—	8
u6(E)	#5	6'-11"	—	24
v2(E)	#9	20'-2"	—	30
w2(E)	#8	13'-2"	—	40
Concrete Structures				Cu. Yd. 40
Reinforcement Bars, Epoxy Coated				lb. 8,060
Structure Excavation				Cu. Yd. 36.3
Concrete Sealer				Sq. Ft. 606
Furnishing Steel				Foot 339
HP12x53 Piles				Foot 339
Driving Piles				Foot 339
Test Pile Steel HP 12x53				Each 1
Pile Shoes				Each 8
Form Liner Textured Surface				Sq. Ft. 165.2

DATA TABLE

	EL. "A"	EL. "B"	"H1"	"H2"	NI	EL. "C"	EL. "D"	EL. "E"
Pier 3	707.51	683.45	24'-0 ³ / ₄ "	6'-1 ³ / ₈ "	7	684.45	644.45	706.12

NOTES:

1. Reinforcement Bars designated (E) shall be epoxy coated.
2. Concrete clear cover shall be 2" minimum unless noted otherwise.
3. For Anchor Bolt Details, see Sheet 9. Truss fabricator shall determine size and location of anchor bolts. Cost included with PEDESTRIAN TRUSS SUPERSTRUCTURE.
4. All edges shall have standard ³/₄" chamfers except as noted.
5. Min. Lap for Bar #5 = 2'-2", #6 = 2'-7", #9 = 5'-9".
6. Space Reinforcement in Cap to miss Anchor Bolts.
7. For Architectural treatment of Piers see "Architectural Details" drawing.

PILE DATA

Type - Steel H-Piles (HP12x53)
Allowable Resistance Available = 100 Kips
Nominal Required Bearing = 300 Kips
Est. Length - 47 ft (Pier 3) 12V:2H
49 ft (Pier 3) 12V:4H
No. Req'd. - 7 per Pier
Test Piles - 1 per Pier

LEGEND

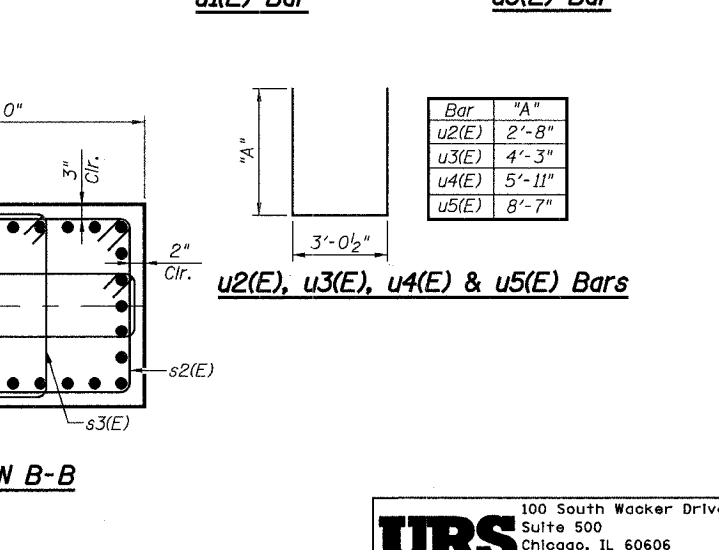
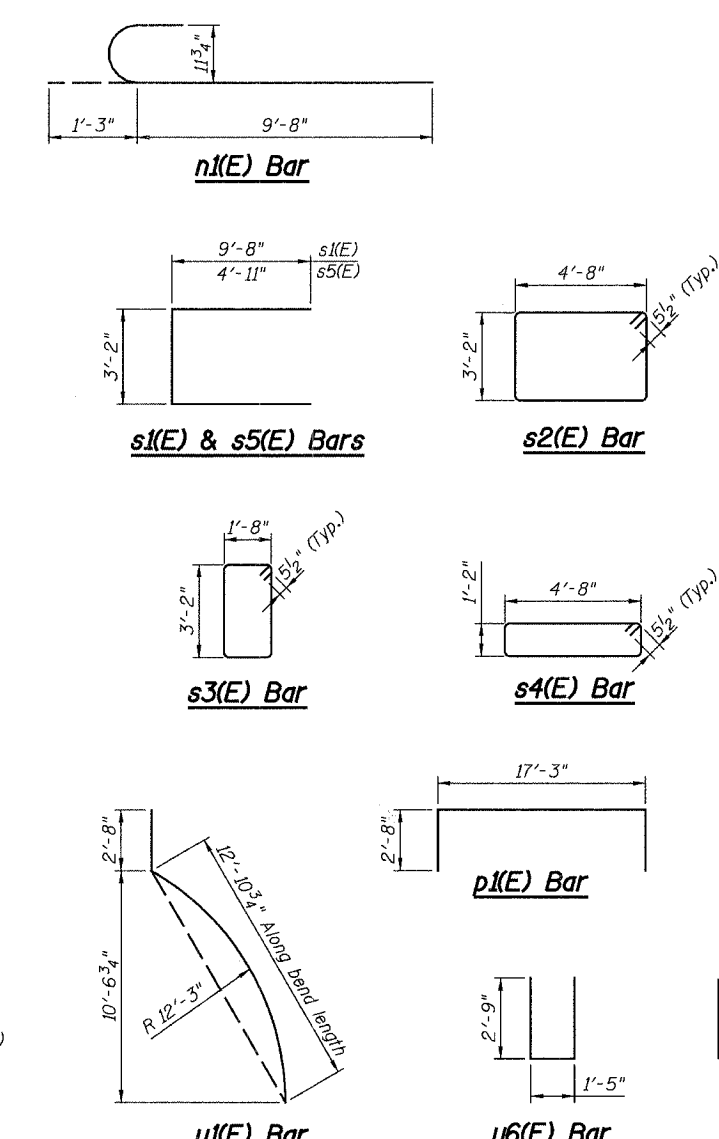
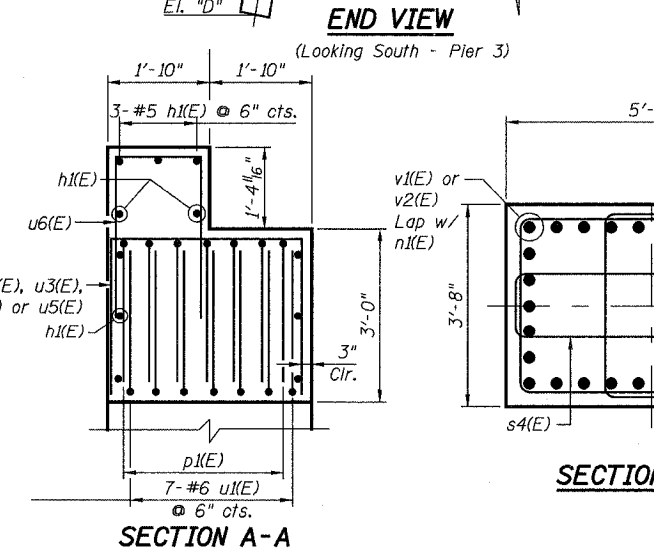
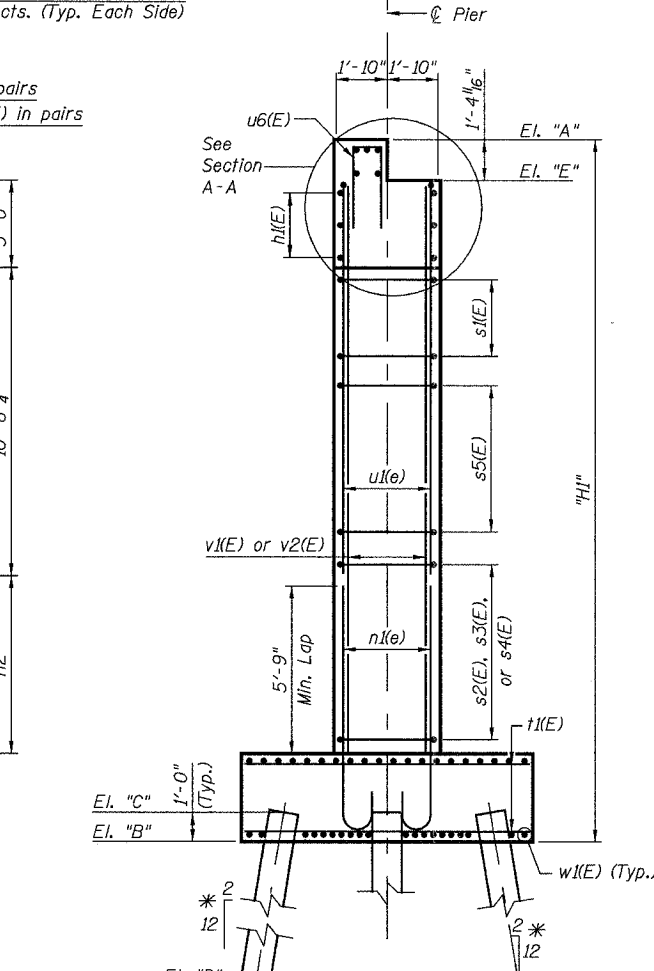
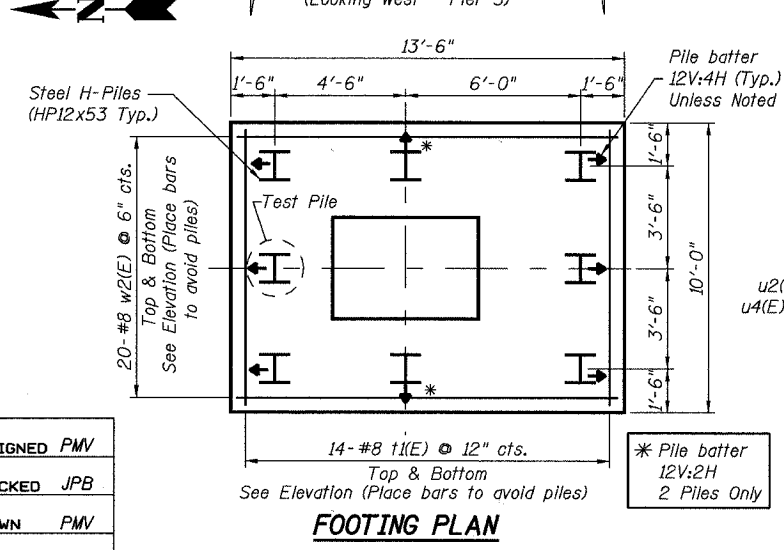
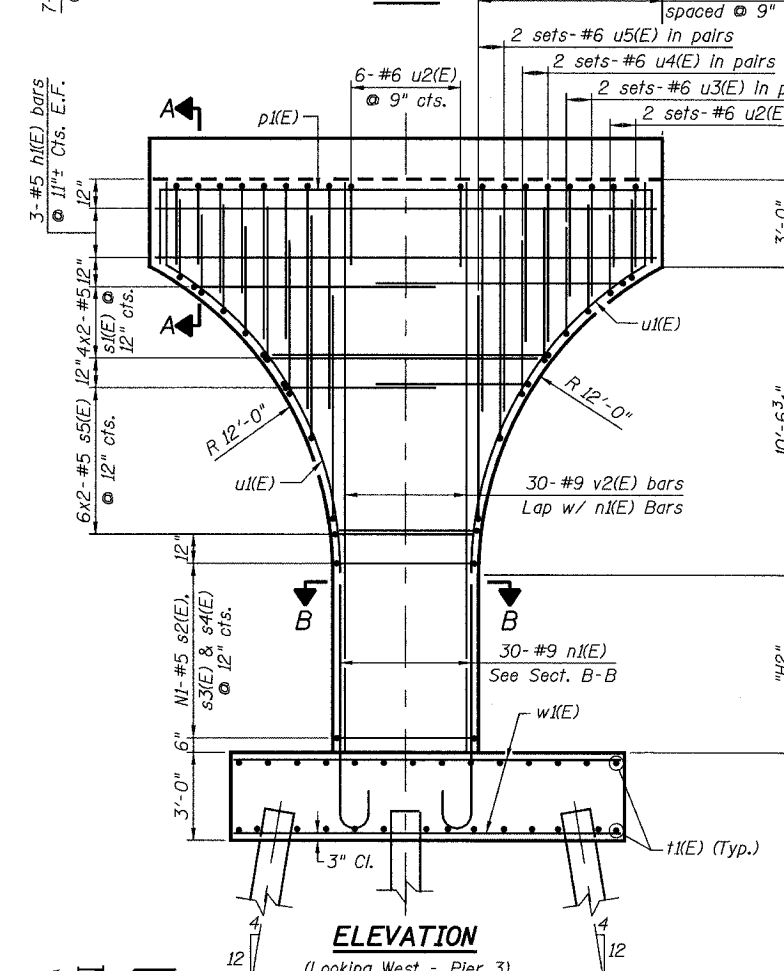
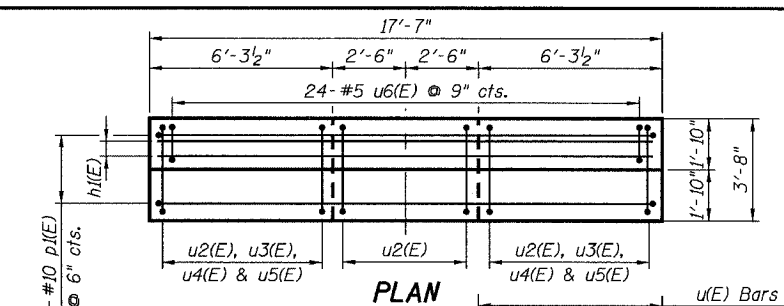
E.F. = Each Face
N.F. = Near Face
F.F. = Far Face
↖ Indicates direction of Pile Batter

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
PIER 3 DETAILS

ROUTE 59 PEDESTRIAN BRIDGE
CITY OF NAPERVILLE, WILL COUNTY

F.A.P. RTE. SECTION: 05-00130-00-BR
STATION 113+02.46 STRUCTURE NO. 099-6002
SCALE: N.T.S. DATE: 12/8/2006



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DESIGNED PMV
CHECKED JPB
DRAWN PMV
CHECKED JPB

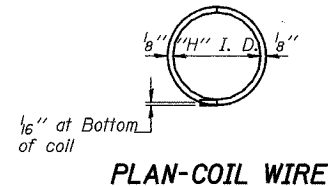
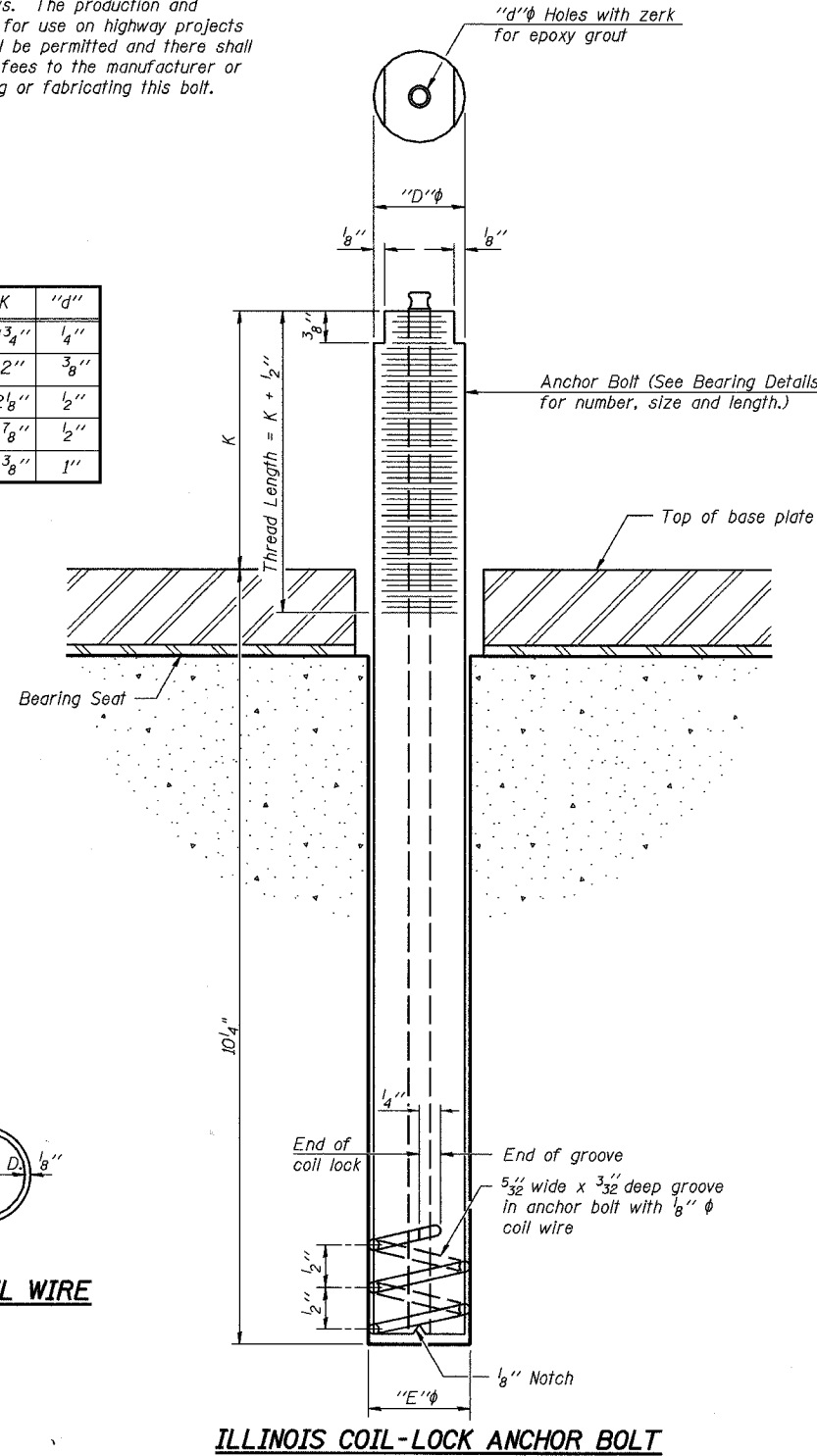
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P.	05-00130-00-BR	WILL	41	21
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-	
CONTRACT NO. 83889				

SHEET NO. 9
OF 23 SHEETS

The Illinois Coil-Lock Anchor Bolt is a proprietary item which is the property of the Illinois Department of Transportation. Use, reproduction or disclosure without express written permission is prohibited and protected under Federal copyright laws. The production and the fabrication of this bolt for use on highway projects in the State of Illinois shall be permitted and there shall be no incurred charges or fees to the manufacturer or the fabricator for producing or fabricating this bolt.

D	E	H	K	"d"
1"	1 1/8"	1 5/16"	1 3/4"	1/4"
1 1/4"	1 3/8"	1 1/16"	2"	3/8"
1 1/2"	1 5/8"	1 5/16"	2 1/8"	1/2"
2"	2 1/8"	1 13/16"	2 7/8"	1/2"
2 1/2"	2 5/8"	2 5/16"	3 3/8"	1"



MATERIALS FOR ILLINOIS COIL-LOCK ANCHOR BOLT

The anchor bolt shall be fabricated from cold drawn or hot finished seamless carbon steel mechanical tubing conforming to ASTM A 519, Grade 1026, CW and supplied with hexagonal nuts and cut washers.
The coil wire shall be made of any suitable soft steel wire.
The finished anchor bolt shall be cleaned of rust and other foreign materials and wrapped or packaged to prevent contamination until they are installed.
The epoxy grout shall be a two-component, epoxy resin bonding system conforming to ASTM C 881, Type I, Grade 1 and of a Class suitable for the temperature at installation.

INSTALLATION PROCEDURE for the ILLINOIS COIL-LOCK ANCHOR BOLT

1. With the coil wire in place, the bolt shall be inserted into the hole and turned clockwise to a snug fit in the hole. Nut and washer shall be placed on the bolt. The nut shall be tensioned until the steel base plates are held securely to the concrete bearing seat.
2. Epoxy grout shall be pumped through the zerk fitting with a pressure gun. Pumping shall continue until the epoxy overflows the hole around the bolt shank. After pumping is discontinued, excess epoxy shall be immediately wiped off.

ALTERNATE ANCHOR BOLTS

The Contractor may use, at his option, the capsule or the adhesive cartridge type anchor rods that have been previously tested and given a prior approval by the Department. The Contractor shall install these anchor rods in pre-drilled holes according to the manufacturer's recommendations and procedures.
The capsule or the adhesive cartridge type anchor rods shall be a two part system composed of:
1. A threaded rod stud with nut and washer of the type specified.
2. A sealed glass capsule or a sealed glass adhesive cartridge containing premeasured amounts of the adhesive chemical.

Location	Type

Size and type of anchor bolts to be determined by Prefabricated Truss Manufacturer.

ASTM F 1554 Grade 105, ASTM A 449 and AASHTO M 314 Grade 105 anchor bolts may be substituted for the anchor bolts shown above.

GENERAL NOTES

Holes in the masonry for anchor bolts shall be drilled through the base plates to the diameter and depth shown or according to the manufacturer's recommendation after beams or girders have been erected and adjusted.
Prior to setting the bolts, the holes shall be dry and all dust and loose particles shall be removed by the use of compressed air or vacuuming.
The anchor bolts, furnished and installed and including the epoxy grout or capsules shall not be paid for separately but shall be included in the unit bid price for PEDESTRIAN BRIDGE SUPERSTRUCTURE.

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DESIGNED	MDS
CHECKED	JPB
DRAWN	MDS
CHECKED	JPB

ABB-1 4-30-99

ILLINOIS COIL-LOCK ANCHOR BOLT

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
ANCHOR BOLT DETAILS

ROUTE 59 PEDESTRIAN BRIDGE
CITY OF NAPERVILLE, WILL COUNTY

F.A.P. RTE.
STATION 113+02.46
SCALE: N.T.S.

SECTION: 05-00130-00-BR
STRUCTURE NO. 099-6002
DATE: 12/8/2006

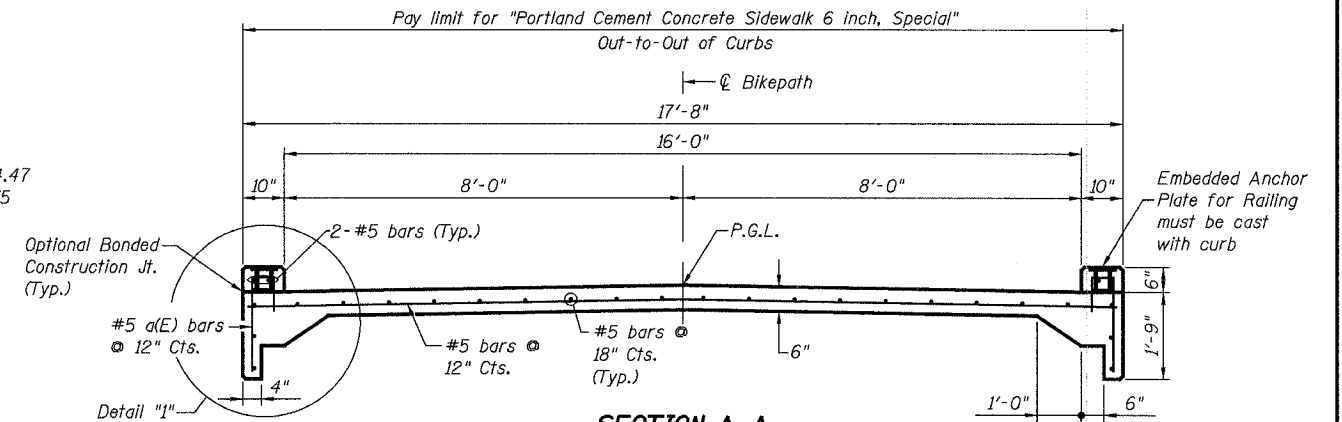
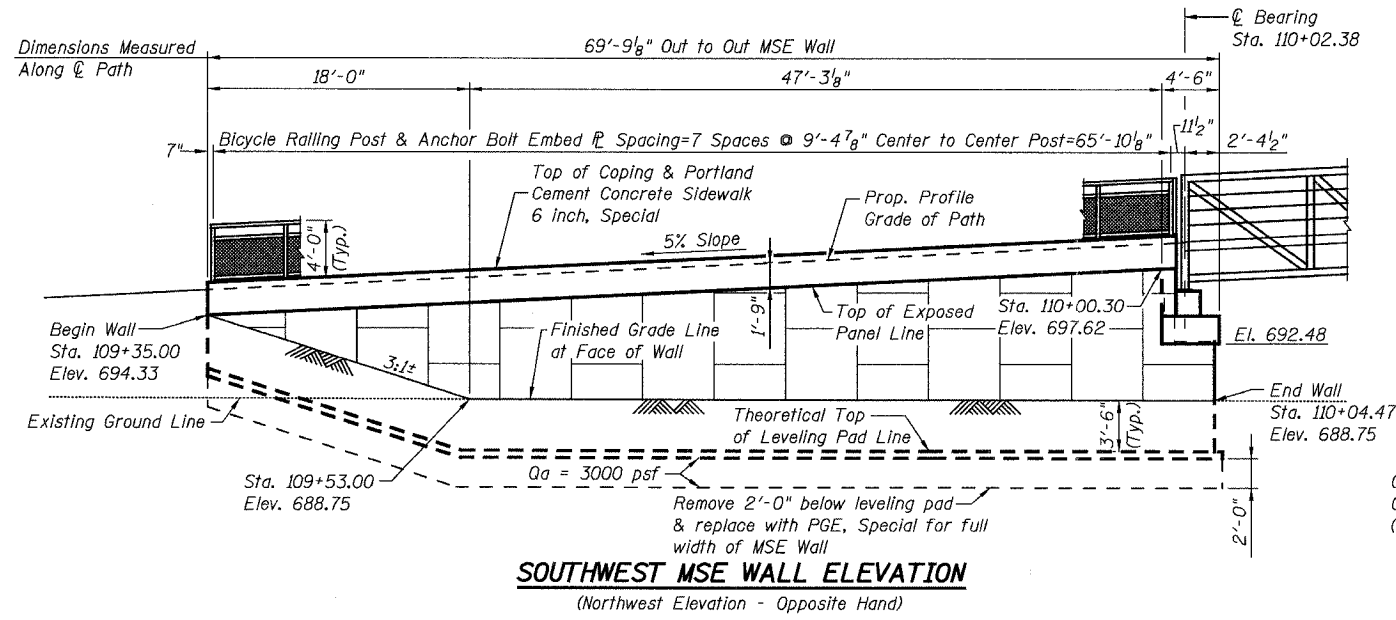
URS
100 South Wacker Drive,
Suite 500
Chicago, IL 60606
(312) 939-1000

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P.	05-00130 -00-BR	WILL	41	22
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-	

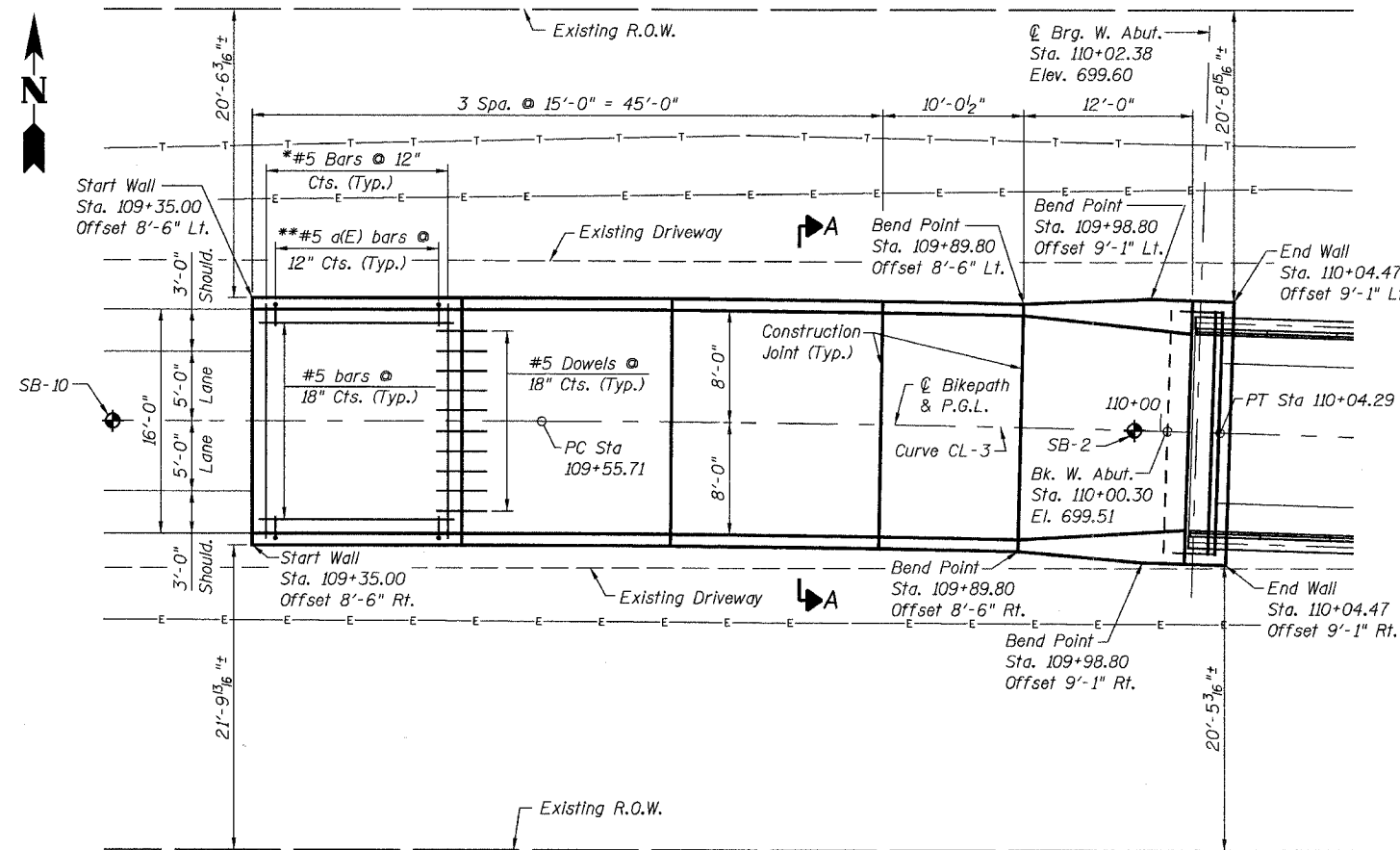
SHEET NO. 10
OF 23 SHEETS

CONTRACT NO. 83889



SECTION A-A

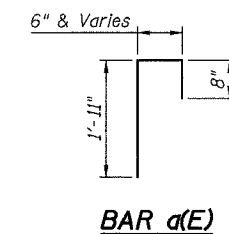
(Portland Cement Concrete Sidewalk 6 inch, Special)
Cost of Reinforcement Bars, Epoxy Coated
is included in the pay item "Portland Cement
Concrete Sidewalk 6 inch, Special".



WEST MSE WALL PLAN

* Typ. Btwn. Jts.
** Typ. Ea. Side & Btwn. Jts.

Note:
Offsets shown are to the outside edge of
Curb which equals Face of Wall
Offset +4".



BAR a(E)

CURVE DATA

CURVE CL-3

P.I. Sta. = 109+80.00
Δ = 1° 51' 20" (RT)
D = 3° 49' 11"
R = 1,500'
T = 24.29'
L = 48.58'
E = 0.20'
e = N/A
T.R. = N/A
S.E. Run = N/A
P.C. Sta. = 109+55.71
P.T. Sta. = 110+04.29

BILL OF MATERIAL

Pay Item	Unit	Quantity
Mechanically Stabilized Earth Retaining Wall	Sq. Ft.	1,492
Structure Excavation	Cu. Yd.	288
* Concrete Sealer	Sq. Ft.	145
Portland Cement Concrete Sidewalk 6", Special	Sq. Ft.	1,189
Porous Granular Embankment, Special	Cu. Yd.	143

All reinforcement bars shall be epoxy coated.
* See Sheet 12 for limits of Concrete Sealer on MSE Wall.

NOTES:

See Sheet 12 for MSE Wall Details.
See Sheet 14 for Railing Details.
See Sheet 12 for Detail 1.
For Architectural treatment of MSE Wall
See "Architectural Details" drawing.
See Plan at Abutments for curb plan and details,
Sheet 14.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
WEST MSE WALL
PLAN AND ELEVATION
ROUTE 59 PEDESTRIAN BRIDGE
CITY OF NAPERVILLE, WILL COUNTY

F.A.P. RTE. SECTION: 05-00130-00-BR
STATION 113+02.46 STRUCTURE NO. 099-6002
SCALE: N.T.S. DATE: 12/8/2006

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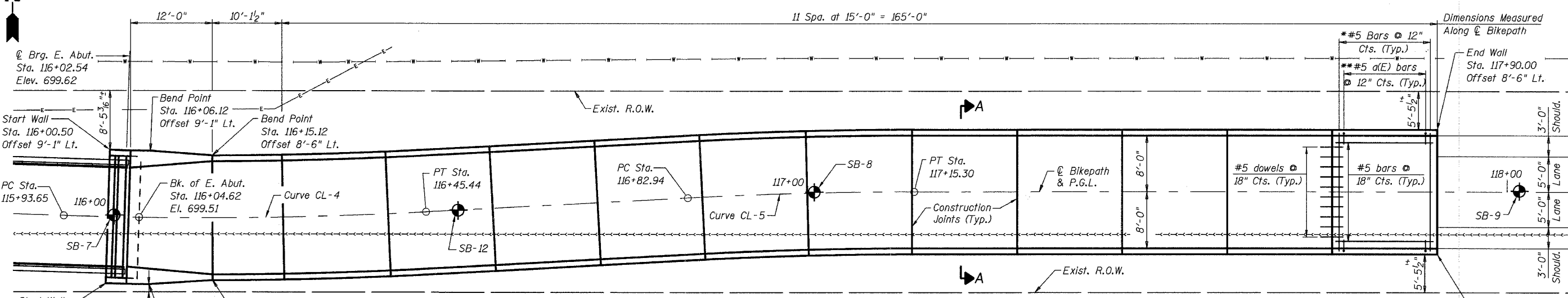
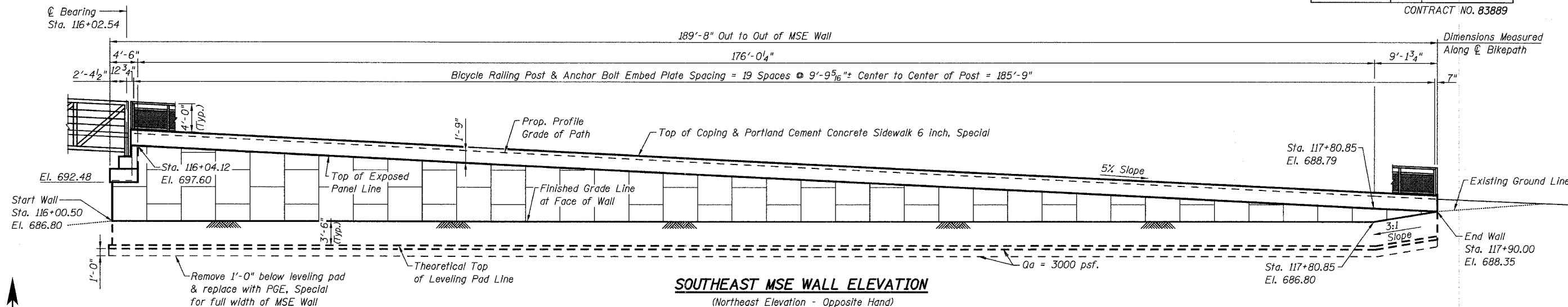
DESIGNED MDS
CHECKED JPB
DRAWN MDS
CHECKED JPB

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P.	05-00130-00-BR	WILL	41	23
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT	

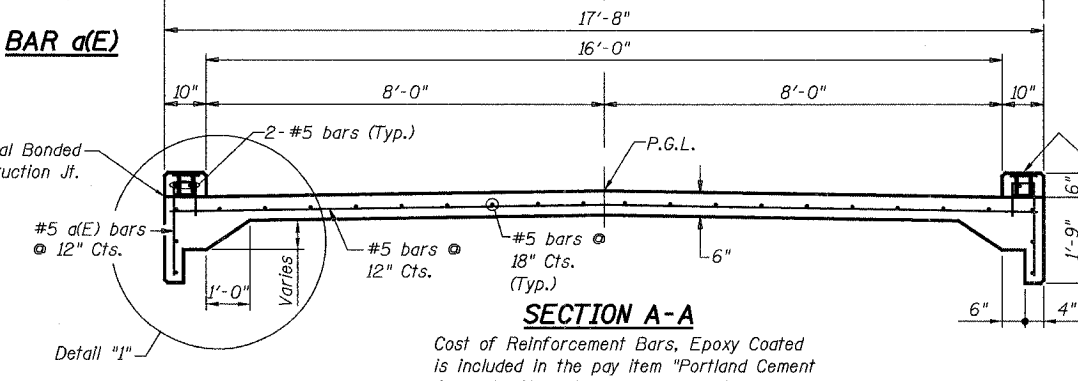
SHEET NO. 11
OF 23 SHEETS

CONTRACT NO. 83889



CURVE DATA

Curve	P.I. Sta.	Delta	D	R	T	L	E	e	T.R.	S.E. Run	P.C. Sta.	P.T. Sta.
CURVE CL-4	116+19.56	4° 56' 45" (LT)	9° 32' 57"	600.00'	25.91'	51.79'	0.56'	N/A	N/A	N/A	115+93.65	116+45.44
CURVE CL-5	116+99.12	3° 05' 26" (RT)	9° 32' 57"	600.00'	16.19'	32.36'	0.22'	N/A	N/A	N/A	116+82.94	117+15.30



BILL OF MATERIAL

Pay Item	Unit	Quantity
Mechanically Stabilized Earth Retaining Wall	Sq. Ft.	3,813
Structure Excavation	Cu. Yd.	720
Portland Cement Concrete Sidewalk 6", Special	Sq. Ft.	3,310
Porous Granular Embankment, Special	Cu. Yd.	233
Concrete Sealer	Sq. Ft.	198

Note:
Offsets shown are to outside edge of Curb which equals Face of Wall offset +4"

NOTES:
See Sheet 12 for MSE Wall Details.
See Sheet 14 for Railing Details.
See Sheet 12 for Detail 1.
For Architectural treatment of MSE Wall See "Architectural Details" drawing.
See Plan at Abutments for Curb Plan & Details.

REVISIONS

NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
EAST MSE WALL PLAN AND ELEVATION
ROUTE 59 PEDESTRIAN BRIDGE
CITY OF NAPERVILLE, WILL COUNTY
F.A.P. RTE. STATION 113+02.46
SCALE: N.T.S.
SECTION: 05-00130-00-BR
STRUCTURE NO. 099-6002
DATE: 12/8/2006

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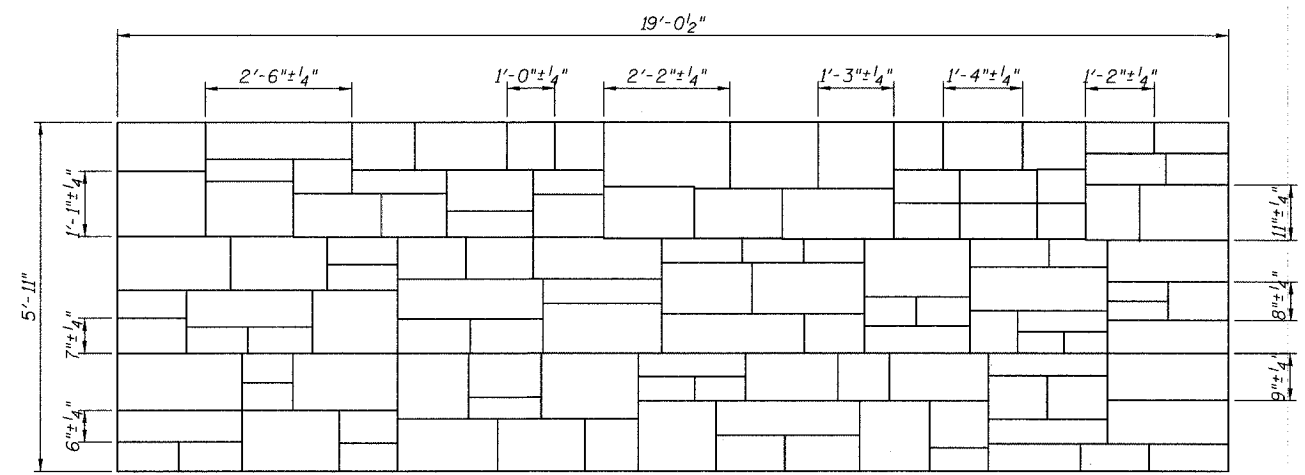
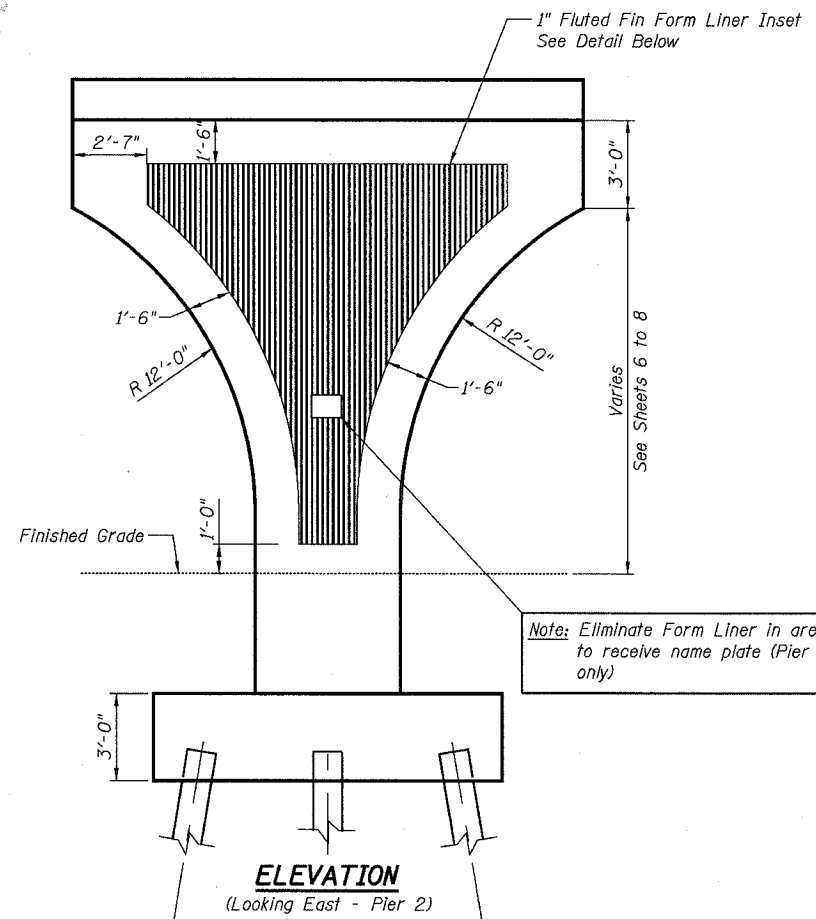
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DESIGNED MDS
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DRAWN MDS
CHECKED JPB

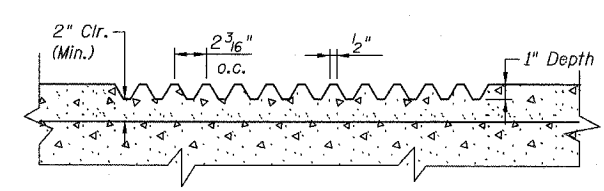
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P.	05-00130 -00-BR	WILL	41	25
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-	
CONTRACT NO. 83889				

SHEET NO. 13
OF 23 SHEETS



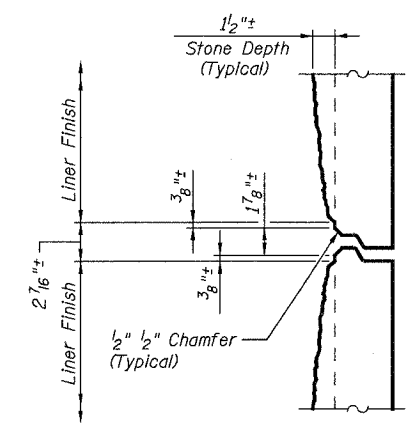
TYPICAL MSE WALL PANEL
See Note 3 for Pattern Information.



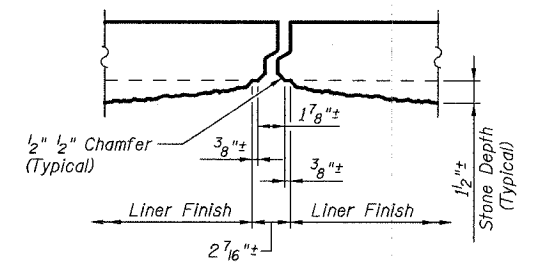
1" FLUTED FIN INSET

NOTES:

1. Architectural concrete surface treatment as shown is applicable to exterior surfaces of cast-in-place concrete for Piers and MSE Walls respectively.
2. The clear concrete cover shown to the bars nearest to the concrete surface shall be maintained.
3. Surface treatment of MSE Wall Panels shall be the Fishlar pattern used by Reinforced Earth Company or approved equal.
Maximum Relief = 1/2"
Average Relief = 1/2"
Cost of surface treatment shall be included in the cost of "Mechanically Stabilized Earth Retaining Wall".
4. Surface treatment shall continue across joints uninterrupted.
5. Pier surface treatment/form liner shall be paid for in square feet as "Form Liner Textured Surface".



M.S.E. HORIZONTAL WALL JOINT SECTION



M.S.E. VERTICAL WALL JOINT SECTION

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DESIGNED	PMV
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DRAWN	PMV
CHECKED	JPB

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Chicago, IL 60606
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REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
ARCHITECTURAL DETAILS

ROUTE 59 PEDESTRIAN BRIDGE
CITY OF NAPERVILLE, WILL COUNTY

F.A.P. RTE. STATION 113+02.46
SCALE: N.T.S.

SECTION: 05-00130-00-BR
STRUCTURE NO. 099-6002
DATE: 12/8/2006

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

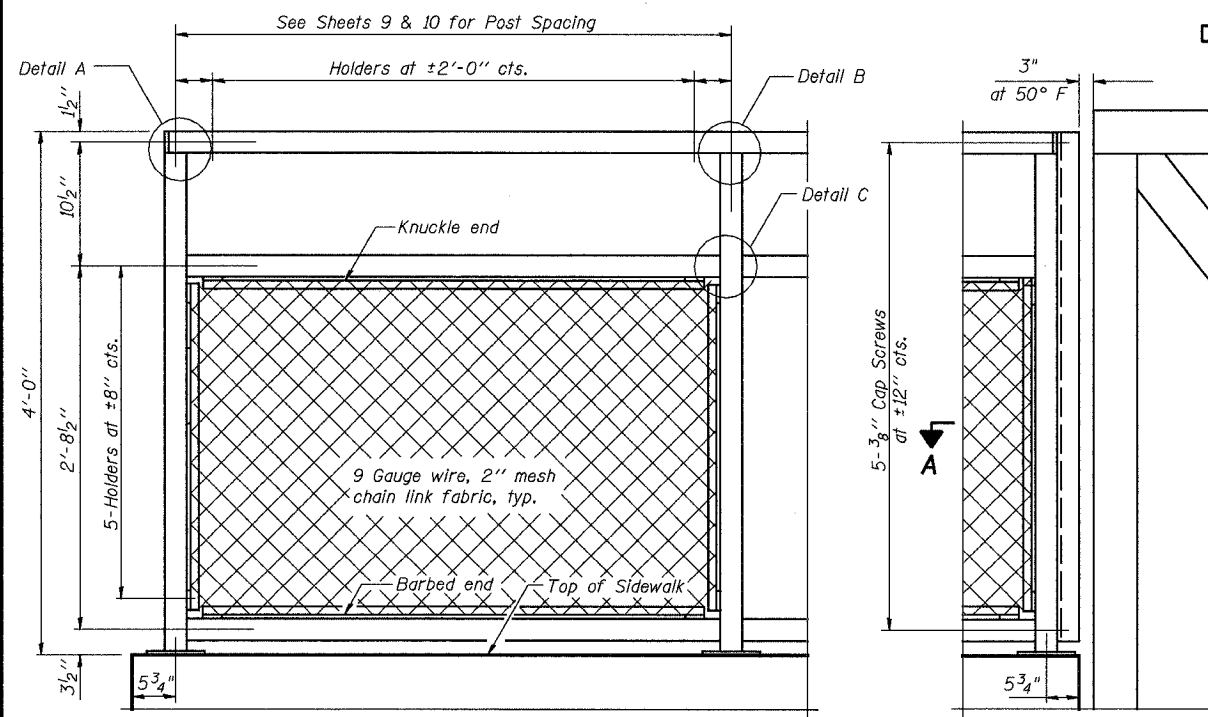
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P.	05-00130-00-BR	WILL	41	26
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT	

SHEET NO. 14
OF 23 SHEETS

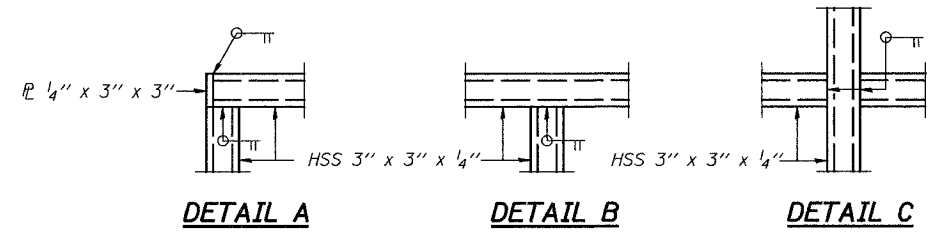
CONTRACT NO. 83889

NOTES

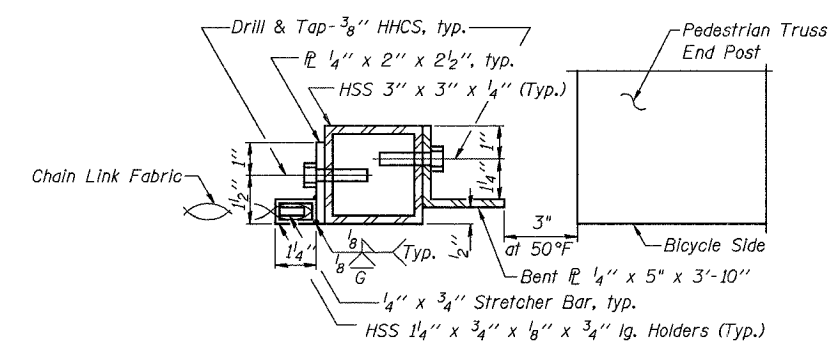
Railing shall be according to Section 509 of the Standard Specifications, except as noted, and will be paid for at the Contract Unit Price per foot for Bicycle Railing.
The 9 gauge fabric ties shall be according to Article 1006.27 (d) of the Standard Specifications.
Installation of the chain link fabric shall be according to Section 664 of the Standard Specifications.
Hollow structural sections shall conform to the requirements of ASTM designation A 500, Grade B, structural steel tubing.
All other steel shapes and plates shall conform to the requirements of AASHTO M 270 Grade 36.
The chain link fabric shall be placed along Bicycle Side as shown on Section A-A.
Stretcher bars shall be used at all four sides of each panel.
If the option of drilling and epoxy grouting the anchor rods is chosen, the Contractor shall use the capsule or the adhesive cartridge type anchor rods that have been previously tested and given a prior approval by the Department. The Contractor shall install these anchor rods in pre-drilled holes according to the manufacturer's recommendations and procedures. The capsule or the adhesive cartridge shall be sealed with pre-measured amounts of the adhesive chemical.
Space reinforcement to miss anchor rods.
All posts, railing, splices, anchor devices, and bent plates shall be galvanized after shop fabrication according to AASHTO M 111 and ASTM A 385. All bolts, nuts, washers, and anchor rods shall be galvanized according to AASHTO M 232 except stainless steel bolts as noted.
Vent holes for galvanizing shall be placed in the posts and rails at locations that will not allow the accumulation of moisture in the members.
The chain link fabric shall conform to the requirements of Article 1006.27(a)(1)a, b or c of the Standard Specifications.



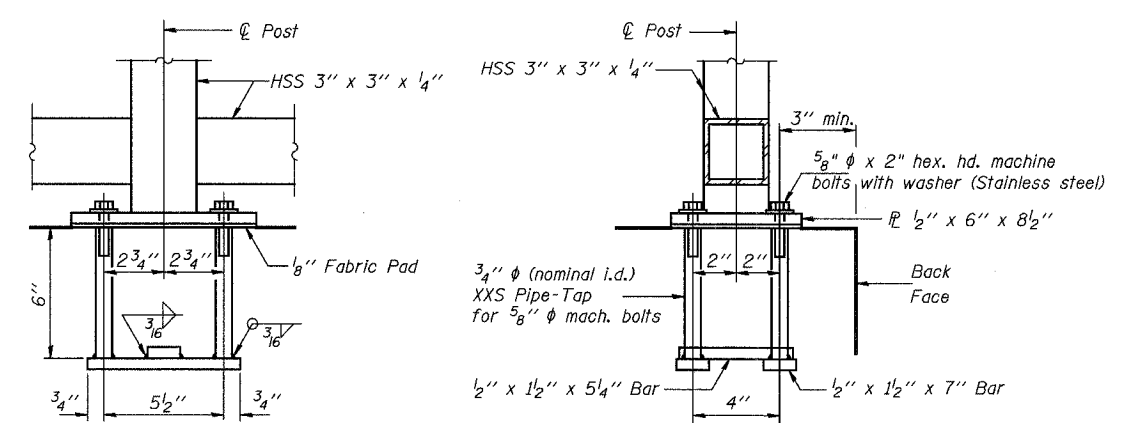
BICYCLE RAILING



DETAIL A DETAIL B DETAIL C

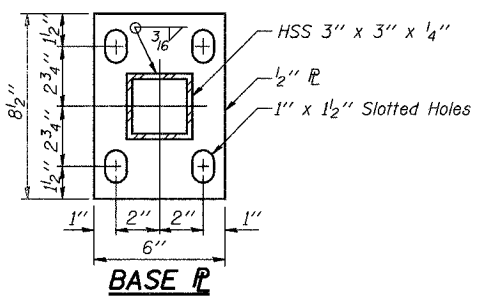


SECTION A-A

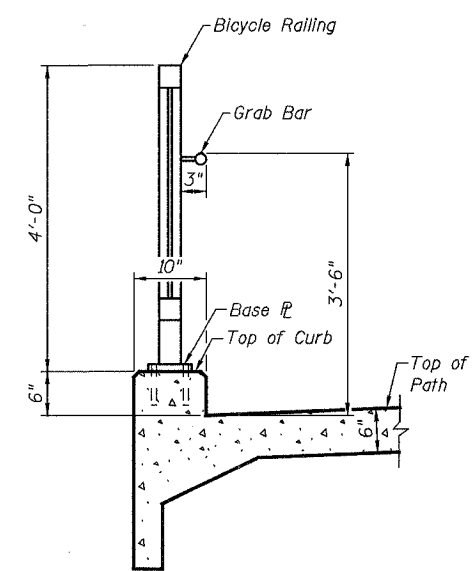


ANCHOR BOLT DETAILS

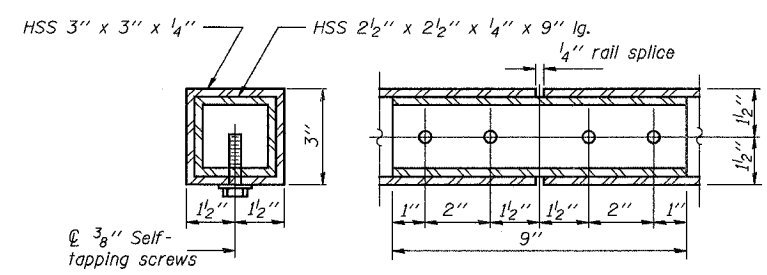
In lieu of the cast-in-place anchor device shown, the Contractor has the option of drilling and epoxy grouting 5/8" phi anchor rods. Embedment shall be according to the manufacturer's specifications.



BASE P



SECTION THRU REINFORCED CONCRETE SIDEWALK



RAIL SPLICE

BILL OF MATERIAL

Item	Unit	Quantity
Bicycle Railing	Foot	504

BICYCLE RAILING

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
BICYCLE RAILING DETAILS

ROUTE 59 PEDESTRIAN BRIDGE
CITY OF NAPERVILLE, WILL COUNTY

F.A.P. RTE. SECTION: 05-00130-00-BR
STATION 113+02.46 STRUCTURE NO. 099-6002
SCALE: N.T.S. DATE: 12/8/2006

URS
100 South Wacker Drive,
Suite 500
Chicago, IL 60606
(312) 939-1000

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DESIGNED	MDS
CHECKED	JPB
DRAWN	MDS
CHECKED	JPB

R-29 9-01-03 (10'-0" Maximum Post Spacing)

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P.	05-00130-00-BR	WILL	41	27
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT	

SHEET NO. 15
OF 23 SHEETS

CONTRACT NO. 83889

AGI Job No. 04-225		BORING LOG NO. SB-1		Sheet 1 of 1	
CLIENT: URS		PROJECT: Proposed Route 59 Pedestrian Bridge			
STATION: 108+98.41		OFFSET (ft): CL		LOCATION: IL Route 59 at ComEd Easement	
COUNTY: Will		SAMPLER TESTS			
Client Job No.: S.N. 099-6002		DEPTH (FT.)			
CITY & STATE: Naperville, Illinois		SPT-N BLOWS / FT.			
SURFACE ELEVATION Datum: USGS 689.0		NUMBER			
1.0 Topsoil, silty sandy clay, black		% RECOVERY			
FILL, silty clay with sand & gravel, brown & gray, stiff & hard, (CL-FILL)		MOISTURE, %			
8.5 SILTY CLAY, little sand & gravel, brown, very stiff, (CL)		DRY DENSITY PCF			
11.0 SANDY CLAY, tr. gravel, gray, soft, moist, (SC)		Qu (k) Failure Type			
14.8 SILTY CLAY, tr. sand & gravel, brown-gray, very stiff, (CL)		HNu Units, ppm			
17.0 SILTY CLAY, little sand & gravel, brown-gray to gray, stiff, moist, (CL)		Estim. Coefficient of Permeability k _v (cm/sec)			
24.0 SILTY CLAY, tr. gravel, gray, very stiff, (CL)		GRAPHIC LOG			
29.0 Gravel, wet		End Of Boring			
29.5 SILTY CLAY WITH GRAVEL, gray, moist, (CL-GP)		WATER LEVEL OBSERVATIONS			
30.0		Applied GeoScience, Inc.			
30.0		STARTED 2-6-06 FINISHED 2-6-06			
30.0		DRILL CO. GeoCon DRILL RIG ATV			
30.0		DRILLER Ken ASST DRILLER James			
30.0		ENGGEOLOG AB APPROVED AMM			

AGI Job No. 04-225		BORING LOG NO. SB-2		Sheet 1 of 1	
CLIENT: URS		PROJECT: Proposed Route 59 Pedestrian Bridge			
STATION: 109+98.82		OFFSET (ft): CL		LOCATION: IL Route 59 at ComEd Easement	
COUNTY: Will		SAMPLER TESTS			
Client Job No.: S.N. 099-6002		DEPTH (FT.)			
CITY & STATE: Naperville, Illinois		SPT-N BLOWS / FT.			
SURFACE ELEVATION Datum: USGS 689.0		NUMBER			
1.0 Topsoil, silty sandy clay, black		% RECOVERY			
FILL, silty clay with sand & gravel, brown & gray, very stiff, (CL-FILL)		MOISTURE, %			
7.0 SILTY CLAY, tr. sand & gravel, brown & gray, stiff, moist, (CL)		DRY DENSITY PCF			
13.5 SILTY CLAY, tr. sand & limestone gravel, brown, very stiff, moist, (CL)		Qu (k) Failure Type			
16.0 SILTY CLAY, little sand & gravel, gray, very stiff, moist, (CL)		HNu Units, ppm			
18.5 SILTY CLAY, some sand & gravel, brown-gray, moist, soft, (CL)		Estim. Coefficient of Permeability k _v (cm/sec)			
29.0 Gravel, gray, wet		GRAPHIC LOG			
29.5 GRAVEL, gray, wet		End Of Boring			
30.0 SILTY CLAY WITH GRAVEL, gray, moist, hard, (CL-GP)		WATER LEVEL OBSERVATIONS			
30.0		Applied GeoScience, Inc.			
30.0		STARTED 2-6-06 FINISHED 2-6-06			
30.0		DRILL CO. GeoCon DRILL RIG ATV			
30.0		DRILLER Ken ASST DRILLER James			
30.0		ENGGEOLOG AB APPROVED AMM			

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DESIGNED MDS
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DRAWN MDS
CHECKED JPB

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REVISIONS	
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ILLINOIS DEPARTMENT OF TRANSPORTATION
SOIL BORINGS 1 AND 2

ROUTE 59 PEDESTRIAN BRIDGE
CITY OF NAPERVILLE, WILL COUNTY

F.A.P. RTE. SECTION: 05-00130-00-BR
STATION 113+02.46 STRUCTURE NO. 099-6002
SCALE: N.T.S. DATE: 12/8/2006

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P.	05-00130-00-BR	WILL	41	28
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT	
CONTRACT NO. 83889				

SHEET NO. 16
OF 23 SHEETS

AGI Job No. 04-225		BORING LOG NO. SB-3		Sheet 1 of 2																																																																																																																																											
CLIENT URS		PROJECT Proposed Route 59 Pedestrian Bridge																																																																																																																																													
STATION: 111+02.09		OFFSET (ft): CL		LOCATION IL Route 59 at ComEd Easement																																																																																																																																											
COUNTY: Will		<table border="1"> <thead> <tr> <th rowspan="2">DEPTH (FT.)</th> <th colspan="3">SAMPLES</th> <th colspan="5">TESTS</th> </tr> <tr> <th>SPT-N BLOWS / FT.</th> <th>NUMBER</th> <th>TYPE</th> <th>% RECOVERY</th> <th>MOISTURE, %</th> <th>DRY DENSITY PCF</th> <th>Qu_u lbf Failure Type</th> <th>HN_u Units ppm</th> <th>Estim. Coefficient of Permeability k_v (cm/sec)</th> </tr> </thead> <tbody> <tr> <td>1.0</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>4.0</td> <td>12</td> <td>1</td> <td>SS</td> <td>70</td> <td>38</td> <td></td> <td>3.2 S</td> <td></td> <td></td> </tr> <tr> <td>5.0</td> <td>12</td> <td>2</td> <td>SS</td> <td>80</td> <td>32</td> <td></td> <td>3.3 S</td> <td></td> <td></td> </tr> <tr> <td>6.0</td> <td>5</td> <td>3</td> <td>SS</td> <td>30</td> <td>21</td> <td></td> <td>2.2 B</td> <td></td> <td></td> </tr> <tr> <td>10.0</td> <td>5</td> <td>4</td> <td>SS</td> <td>60</td> <td>24</td> <td></td> <td>0.83 B</td> <td></td> <td></td> </tr> <tr> <td>11.5</td> <td>5</td> <td>5</td> <td>SS</td> <td>80</td> <td>18</td> <td></td> <td>2.1 B</td> <td></td> <td></td> </tr> <tr> <td>15.0</td> <td>4</td> <td>6</td> <td>SS</td> <td>90</td> <td>19</td> <td></td> <td>3.3 B</td> <td></td> <td></td> </tr> <tr> <td>18.5</td> <td>4</td> <td>7</td> <td>SS</td> <td>65</td> <td>21</td> <td></td> <td>2.6 B</td> <td></td> <td></td> </tr> <tr> <td>20.0</td> <td>4</td> <td>8</td> <td>SS</td> <td>40</td> <td>23</td> <td></td> <td>0.62 B</td> <td></td> <td></td> </tr> <tr> <td>23.5</td> <td>4</td> <td>9</td> <td>SS</td> <td>100</td> <td>24</td> <td></td> <td>0.63 B</td> <td></td> <td></td> </tr> <tr> <td>27.0</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>29.5</td> <td>8</td> <td>10</td> <td>SS</td> <td>100</td> <td>20</td> <td></td> <td>4.7 S</td> <td></td> <td></td> </tr> </tbody> </table>				DEPTH (FT.)	SAMPLES			TESTS					SPT-N BLOWS / FT.	NUMBER	TYPE	% RECOVERY	MOISTURE, %	DRY DENSITY PCF	Qu _u lbf Failure Type	HN _u Units ppm	Estim. Coefficient of Permeability k _v (cm/sec)	1.0										4.0	12	1	SS	70	38		3.2 S			5.0	12	2	SS	80	32		3.3 S			6.0	5	3	SS	30	21		2.2 B			10.0	5	4	SS	60	24		0.83 B			11.5	5	5	SS	80	18		2.1 B			15.0	4	6	SS	90	19		3.3 B			18.5	4	7	SS	65	21		2.6 B			20.0	4	8	SS	40	23		0.62 B			23.5	4	9	SS	100	24		0.63 B			27.0										29.5	8	10	SS	100	20		4.7 S		
DEPTH (FT.)	SAMPLES						TESTS																																																																																																																																								
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6.0	5	3	SS	30	21		2.2 B																																																																																																																																								
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SURFACE ELEVATION Datum: USGS 688.5		GRAPHIC LOG																																																																																																																																													
1.0 Topsoil, silty sandy clay, black		687.5																																																																																																																																													
FILL, topsoil, silty sandy clay with organic, black, very stiff, (OL-FILL)																																																																																																																																															
4.0 FILL, silty clay, little gravel, brown, very stiff, (CL-FILL)		684.5																																																																																																																																													
6.0 SILTY CLAY, tr. gravel, brown-gray, moist, very stiff to med. stiff, (CL)		682.5																																																																																																																																													
11.5 SILTY CLAY, little sand & gravel, gray, very stiff, (CL)		677.0																																																																																																																																													
18.5 SILTY CLAY, tr. sand & gravel, brown, soft, moist, (CL)		670.0																																																																																																																																													
23.5 SILTY CLAY, tr. sand & gravel, brown-gray, soft, moist, (CL)		665.0																																																																																																																																													
27.0 GRAVEL, gray, wet		661.5																																																																																																																																													
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Continued on Next Page																																																																																																																																															
WATER LEVEL OBSERVATIONS		Applied GeoScience, Inc.		STARTED 2-6-06 FINISHED 2-6-06																																																																																																																																											
WL	▽ 27 WD	2385 Hammond Drive, Suite 6 Schaumburg, Illinois 60173 Tel: (847) 303-0300 Fax: (847) 303-0900		DRILL CO. GeoCon	DRILL RIG ATV																																																																																																																																										
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AGI Job No. 04-225		BORING LOG NO. SB-3		Sheet 2 of 2																																																	
CLIENT URS		PROJECT Proposed Route 59 Pedestrian Bridge																																																			
STATION: 111+02.09		OFFSET (ft): CL		LOCATION IL Route 59 at ComEd Easement																																																	
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38.0																																																					
40.0	12	12	SS	100	24		1.7 S																																														
(continued)		GRAPHIC LOG																																																			
SILTY CLAY, some sand & gravel, gray, very stiff, (CL)		650.5																																																			
SILTY CLAY, tr. sand & gravel, gray, stiff, moist, (CL)		648.5																																																			
End Of Boring																																																					
WATER LEVEL OBSERVATIONS		Applied GeoScience, Inc.		STARTED 2-6-06 FINISHED 2-6-06																																																	
WL	▽ 27 WD	2385 Hammond Drive, Suite 6 Schaumburg, Illinois 60173 Tel: (847) 303-0300 Fax: (847) 303-0900		DRILL CO. GeoCon	DRILL RIG ATV																																																
WL	▽ 25 AB			DRILLER Ken	ASST DRILLER James																																																
WL	▽			ENGGEOLOGICAL AB	APPROVED AMM																																																

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DESIGNED	MDS
CHECKED	JPB
DRAWN	MDS
CHECKED	JPB



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION SOIL BORING 3	
ROUTE 59 PEDESTRIAN BRIDGE CITY OF NAPERVILLE, WILL COUNTY	
F.A.P. RTE. STATION 113+02.46 SCALE: N.T.S.	SECTION: 05-00130-00-BR STRUCTURE NO. 099-6002 DATE: 12/8/2006

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P.	05-00130-00-BR	WILL	41	29
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-	CONTRACT NO. 83889	

SHEET NO. 17
OF 23 SHEETS

AGI Job No. 04-225		BORING LOG NO. SB-4		Sheet 1 of 2	
CLIENT		PROJECT			
URS		Proposed Route 59 Pedestrian Bridge			
STATION:		OFFSET (ft):		LOCATION	
112+01.82		CL		IL Route 59 at ComEd Easement	
COUNTY:		SAMPLES		TESTS	
Will					
Client Job No.:		DEPTH (FT.)		SPT-N	
S.N. 099-6002				BLOWS / FT.	
CITY & STATE:		NUMBER		TYPE	
Naperville, Illinois		%		RECOVERY	
		MOISTURE, %		DRY DENSITY	
		PCF		Qu (sf)	
		Failure Type		HN: Units, ppm	
		Estim. Coefficient of Permeability k _v (cm/sec)			
SURFACE ELEVATION		Datum: USGS			
688.2		GRAPHIC LOG			
1.0	Topsoil, silty sandy clay, black	687.2			
	FILL, silty clay with topsoil, sand & gravel, dk. brown, very stiff, (CL-FILL)		14	1	SS 80 30 3.8 B
3.5		684.7			
	SILTY CLAY, tr. sand & gravel, brown, hard, (CL)		15	2	SS 80 17 4.6 S
8.5		679.7			
	SILTY CLAY, tr. limestone gravel, gray, med. stiff, (CL)		6	3	SS 40 18 4.4 S
11.5		678.7			
	SILTY CLAY, tr. gravel, gray, stiff, (CL)		5	4	SS 40 21 0.83 B
17.5		670.7			
	SANDY SILTY CLAY, gray, med. stiff, moist, (SC-ML)		5	5	SS 100 22 1.63 B
21.0		667.2			
	SILTY CLAY, some sand & gravel, gray, very stiff, (CL)		5	6	SS 100 23 1.85 BS
28.0		660.2			
	GRAVEL, gray, wet		5	7	SS 100 22 1.7 B
30.0		658.2			
	FINE SILTY SAND, little clay, gray, loose, Continued on Next Page		4	8	SS 100 23 0.76 B
			7	9	SS 20 19 3.2 B
			4	10	SS 100

AGI Job No. 04-225		BORING LOG NO. SB-4		Sheet 2 of 2	
CLIENT		PROJECT			
URS		Proposed Route 59 Pedestrian Bridge			
STATION:		OFFSET (ft):		LOCATION	
112+01.82		CL		IL Route 59 at ComEd Easement	
COUNTY:		SAMPLES		TESTS	
Will					
Client Job No.:		DEPTH (FT.)		SPT-N	
S.N. 099-6002				BLOWS / FT.	
CITY & STATE:		NUMBER		TYPE	
Naperville, Illinois		%		RECOVERY	
		MOISTURE, %		DRY DENSITY	
		PCF		Qu (sf)	
		Failure Type		HN: Units, ppm	
		Estim. Coefficient of Permeability k _v (cm/sec)			
SURFACE ELEVATION		Datum: USGS			
688.2		GRAPHIC LOG			
(continued)					
moist, (SM)					
FINE SILTY SAND, little clay, gray, med. dense, moist, (SM)					
38.0		650.2			
	SANDY SILTY CLAY, tr. gravel, gray, hard, (CL)		20	11	SS 100 16
42.5		645.7			
	MEDIUM SAND, gray		35		
44.0		644.2			
	SILTY SANDY CLAY, little gravel, gray, very hard, (CL-ML)		13	12	SS 100 18 4.2 S
46.0		642.2			
	SAND & LIMESTONE GRAVEL, gray, wet, very dense, (SW-GP)		40		
50.0		638.2			
	End Of Boring		40	14	SS 60

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DESIGNED MDS
CHECKED JPB
DRAWN MDS
CHECKED JPB

Applied GeoScience, Inc.
2385 Hammond Drive, Suite 6
Schaumburg, Illinois 60173
Tel: (847) 303-0300
Fax: (847) 303-0900

STARTED	2-7-06	FINISHED	2-7-06
DRILL CO.	GeoCon	DRILL RIG	ATV
DRILLER	Ken	ASST DRILLER	James
ENGGEOL.	AB	APPROVED	AMM

Applied GeoScience, Inc.
2385 Hammond Drive, Suite 6
Schaumburg, Illinois 60173
Tel: (847) 303-0300
Fax: (847) 303-0900

STARTED	2-7-06	FINISHED	2-7-06
DRILL CO.	GeoCon	DRILL RIG	ATV
DRILLER	Ken	ASST DRILLER	James
ENGGEOL.	AB	APPROVED	AMM



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
SOIL BORING 4

ROUTE 59 PEDESTRIAN BRIDGE
CITY OF NAPERVILLE, WILL COUNTY

F.A.P. RTE. SECTION: 05-00130-00-BR
STATION 113+02.46 STRUCTURE NO. 099-6002
SCALE: N.T.S. DATE: 12/8/2006

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P.	05-00130-00-BR	WILL	41	30
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-	

SHEET NO. 18
OF 23 SHEETS

CONTRACT NO. 83889

AGI Job No. 04-225		BORING LOG NO. SB-5		Sheet 1 of 2	
CLIENT		PROJECT			
URS		Proposed Route 59 Pedestrian Bridge			
STATION:		OFFSET (ft):		LOCATION	
114+05.62		CL		IL Route 59 at ComEd Easement	
COUNTY:		SAMPLES		TESTS	
Will					
Client Job No.:		DEPTH (FT)		SPT-N	
S.N. 099-6002				BLOWS / FT.	
CITY & STATE:		NUMBER		TYPE	
Naperville, Illinois					
SURFACE ELEVATION		% RECOVERY		MOISTURE, %	
Datum: USGS 687.4					
Topsoil, silty sandy clay, black					
1.5					
FILL, silty clay, tr. sand & gravel, brown-gray, very stiff to stiff, (CL-FILL)					
685.9					
6.0					
SILTY CLAY, little sand & gravel, gray, stiff, moist, (CL)					
681.4					
9.0					
SILTY CLAY, tr. sand & gravel, brown-gray, (CL)					
678.4					
12.5					
SILTY CLAY, tr. sand & gravel, brown-gray, stiff, moist, (CL)					
674.9					
15.0					
SANDY CLAY, tr. limestone gravel, gray, very stiff, moist, (SC)					
643.4					
46.0					
MEDIUM SAND & GRAVEL, gray, extremely dense, wet, (GP)					
641.4					
49.5					
SILTY CLAY, tr. sand & gravel, gray, hard, (CL)					
637.9					
50.0					
637.4					
End Of Boring					
23.5					
SILTY CLAY, tr. sand & gravel, gray, stiff, (CL)					
663.9					
28.5					
SILTY CLAY, tr. sand & gravel, gray, very stiff, (CL)					
658.9					
31.0					
656.4					
Continued on Next Page					
WATER LEVEL OBSERVATIONS		STARTED		FINISHED	
WL	∇ 38 WD	2-7-06		2-7-06	
Applied GeoScience, Inc.		DRILL CO.		DRILL RIG	
2385 Hammond Drive, Suite 6		GeoCon		ATV	
Schaumburg, Illinois 60173		DRILLER		James	
Tel: (847) 303-0300		ENGGEOL.		AB	
Fax: (847) 303-0900		APPROVED		AMM	

AGI Job No. 04-225		BORING LOG NO. SB-5		Sheet 2 of 2	
CLIENT		PROJECT			
URS		Proposed Route 59 Pedestrian Bridge			
STATION:		OFFSET (ft):		LOCATION	
114+05.62		CL		IL Route 59 at ComEd Easement	
COUNTY:		SAMPLES		TESTS	
Will					
Client Job No.:		DEPTH (FT)		SPT-N	
S.N. 099-6002				BLOWS / FT.	
CITY & STATE:		NUMBER		TYPE	
Naperville, Illinois					
SURFACE ELEVATION		% RECOVERY		MOISTURE, %	
Datum: USGS 687.4					
FINE SILTY SAND, gray, med. dense, (ML-SM)					
35.0					
38.0					
40.0					
44.0					
SANDY CLAY, tr. limestone gravel, gray, very stiff, moist, (SC)					
643.4					
45.0					
46.0					
MEDIUM SAND & GRAVEL, gray, extremely dense, wet, (GP)					
641.4					
49.5					
SILTY CLAY, tr. sand & gravel, gray, hard, (CL)					
637.9					
50.0					
637.4					
End Of Boring					
23.5					
SILTY CLAY, tr. sand & gravel, gray, stiff, (CL)					
663.9					
28.5					
SILTY CLAY, tr. sand & gravel, gray, very stiff, (CL)					
658.9					
31.0					
656.4					
Continued on Next Page					
WATER LEVEL OBSERVATIONS		STARTED		FINISHED	
WL	∇ 38 WD	2-7-06		2-7-06	
Applied GeoScience, Inc.		DRILL CO.		DRILL RIG	
2385 Hammond Drive, Suite 6		GeoCon		ATV	
Schaumburg, Illinois 60173		DRILLER		James	
Tel: (847) 303-0300		ENGGEOL.		AB	
Fax: (847) 303-0900		APPROVED		AMM	

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DESIGNED MDS
CHECKED JPB
DRAWN MDS
CHECKED JPB

URS
100 South Wacker Drive,
Suite 500
Chicago, IL 60606
(312) 939-1000

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
SOIL BORING 5

ROUTE 59 PEDESTRIAN BRIDGE
CITY OF NAPERVILLE, WILL COUNTY

F.A.P. RTE. SECTION: 05-00130-00-BR
STATION 113+02.46 STRUCTURE NO. 099-6002
SCALE: N.T.S. DATE: 12/8/2006

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P.	05-00130-00-BR	WILL	41	31
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-	
CONTRACT NO. 83889				

SHEET NO. 19
OF 23 SHEETS

AGI Job No. 04-225		BORING LOG NO. SB-6		Sheet 1 of 1																																																																																																																																	
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SURFACE ELEVATION Datum: USGS 687.5		<p>0.5 Topsoil, silty sandy clay, black FILL, silty clay, some sand & gravel, brown-gray, hard to very stiff, (CL-FILL)</p> <p>11.0 SILTY CLAY, tr. sand & gravel, gray, hard, (CL)</p> <p>14.0 SILTY CLAY, little sand & gravel, brown to brown-gray at 17 feet, stiff to hard, (CL)</p> <p>18.5 GRAVEL, gray, extremely dense, wet, (GP)</p> <p>24.0 SILTY CLAY WITH LIMESTONE GRAVEL, gray, extremely dense, wet, (CL-GP)</p> <p>26.0 Auger & Spoon Refusal @ 26 feet End Of Boring</p>																																																																																																																																			
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SURFACE ELEVATION Datum: USGS 687.7		<p>0.5 Topsoil, silty sandy clay, black FILL, silty clay little sand & gravel, brown, very stiff, (CL-FILL)</p> <p>4.5 SANDY CLAY, tr. gravel, brown, moist, stiff, (SC)</p> <p>8.0 SILTY CLAY, tr. sand & gravel, brown-gray, moist, stiff, (CL)</p> <p>13.5 SILTY CLAY, little sand, gray, moist, very stiff, (CL)</p> <p>16.0 SILTY CLAY WITH GRAVEL, gray, very hard, (CL-GP)</p> <p>19.0 Limestone, gray, extremely dense, (GP)</p> <p>20.0 Spoon Refusal @ 20 feet End Of Boring</p>																																																																																																															
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AGI 04-225.GPJ 11/06

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DESIGNED MDS
CHECKED JPB
DRAWN MDS
CHECKED JPB

URS
100 South Wacker Drive,
Suite 500
Chicago, IL 60606
(312) 939-1000

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
SOIL BORINGS 6 AND 7

ROUTE 59 PEDESTRIAN BRIDGE
CITY OF NAPERVILLE, WILL COUNTY

F.A.P. RTE. SECTION: 05-00130-00-BR
STATION 113+02.46 STRUCTURE NO. 099-6002
SCALE: N.T.S. DATE: 12/8/2006

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P.	05-00130-00-BR	WILL	41	32
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-	

SHEET NO. 20
OF 23 SHEETS

CONTRACT NO. 83889

AGI Job No. 04-225		BORING LOG NO. SB-8		Sheet 1 of 1																																																																																																																																
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SURFACE ELEVATION Datum: USGS 687.0		<p>FILL, silty clay, little sand & gravel, brown, hard to stiff, (CL-FILL)</p> <p>SILTY CLAY, some sand & gravel, gray, soft to stiff, very moist, (CL)</p> <p>SANDY CLAY, tr. gravel, gray, very moist, soft, (SC)</p> <p>SILTY CLAY, tr. sand & gravel, brown-gray, soft to stiff, very moist, (CL)</p> <p>SILTY CLAY, some sand & gravel, gray, hard, moist, (CL)</p> <p>SILTY CLAY, some sand & gravel, gray, very hard, (CL)</p> <p>Very Hard Drilling @ 30 feet</p> <p>End Of Boring</p>																																																																																																																																		
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DESIGNED	MDS
CHECKED	JPB
DRAWN	MDS
CHECKED	JPB

URS
100 South Wacker Drive,
Suite 500
Chicago, IL 60606
(312) 939-1000

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
SOIL BORINGS 8 AND 9

ROUTE 59 PEDESTRIAN BRIDGE
CITY OF NAPERVILLE, WILL COUNTY

F.A.P. RTE. SECTION: 05-00130-00-BR
STATION 113+02.46 STRUCTURE NO. 099-6002
SCALE: N.T.S. DATE: 12/8/2006

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P.	05-00130-00-BR	WILL	41	33
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT	CONTRACT NO. 83889

SHEET NO. 21
OF 23 SHEETS

AGI Job No. 04-225		BORING LOG NO. SB-10				Sheet 1 of 2	
CLIENT URS		PROJECT Proposed Route 59 Pedestrian Bridge					
STATION: 109+25		OFFSET (ft): CL		LOCATION IL Route 59 at ComEd Easement			
COUNTY: Will Client Job No.: S.N. 099-6002 CITY & STATE: Naperville, Illinois		GRAPHIC LOG		SAMPLES			
SURFACE ELEVATION Datum: USGS 689.0		DEPTH (FT.)	SPT-N BLOWS / FT.	NUMBER	TYPE	% RECOVERY	TESTS
Drilling Without Sampling							
Continued on Next Page							
WATER LEVEL OBSERVATIONS		Applied GeoScience, Inc.		STARTED	4-20-06	FINISHED	4-20-06
WL	▽ 40 WD	2385 Hammond Drive, Suite 6 Schaumburg, Illinois 60173 Tel: (847) 303-0300 Fax: (847) 303-0900		DRILL CO.	Stryker	DRILL RIG	D-60
WL	▼			DRILLER	Fred	ASST DRILLER	GE
WL	▼			ENGGEOL.	ND	APPROVED	AMM

AGI Job No. 04-225		BORING LOG NO. SB-10				Sheet 2 of 2	
CLIENT URS		PROJECT Proposed Route 59 Pedestrian Bridge					
STATION: 109+25		OFFSET (ft): CL		LOCATION IL Route 59 at ComEd Easement			
COUNTY: Will Client Job No.: S.N. 099-6002 CITY & STATE: Naperville, Illinois		GRAPHIC LOG		SAMPLES			
(continued)		DEPTH (FT.)	SPT-N BLOWS / FT.	NUMBER	TYPE	% RECOVERY	TESTS
33.5 SILTY CLAY, with sand & gravel, gray, hard, (CL)		35	23	1	SS	100	20 4 P
39.0 SAND & GRAVEL, gray, med dense to dense, wet, (SW-GP)		40	12	2	SS	100	
		45	40	3	SS	100	
		50	31	4	SS	100	
		55	30	5	SS	100	
		60	28	6	SS	100	
63.5 64.0 LIMESTONE WITH SAND, Auger and Spoon refusal at 64 feet. End Of Boring		65.5 65.0	130	7	SS	3	
WATER LEVEL OBSERVATIONS		Applied GeoScience, Inc.		STARTED	4-20-06	FINISHED	4-20-06
WL	▽ 40 WD	2385 Hammond Drive, Suite 6 Schaumburg, Illinois 60173 Tel: (847) 303-0300 Fax: (847) 303-0900		DRILL CO.	Stryker	DRILL RIG	D-60
WL	▼			DRILLER	Fred	ASST DRILLER	GE
WL	▼			ENGGEOL.	ND	APPROVED	AMM

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DESIGNED MDS
CHECKED JPB
DRAWN MDS
CHECKED JPB

URS
100 South Wacker Drive,
Suite 500
Chicago, IL 60606
(312) 939-1000

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
SOIL BORING 10

ROUTE 59 PEDESTRIAN BRIDGE
CITY OF NAPERVILLE, WILL COUNTY

F.A.P. RTE. SECTION: 05-00130-00-BR
STATION 113+02.46 STRUCTURE NO. 099-6002
SCALE: N.T.S. DATE: 12/8/2006

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P.	05-00130-00-BR	WILL	41	34
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-	

SHEET NO. 22
OF 23 SHEETS

CONTRACT NO. 83889

AGI Job No. 04-225		BORING LOG NO. SB-11			Sheet 1 of 2						
CLIENT URS		PROJECT Proposed Route 59 Pedestrian Bridge									
STATION: 110+65		OFFSET (ft): CL		LOCATION IL Route 59 at ComEd Easement							
COUNTY: Will Client Job No.: S.N. 099-6002 CITY & STATE: Naperville, Illinois		GRAPHIC LOG	DEPTH (FT.)	SAMPLES			TESTS				
SURFACE ELEVATION Datum: USGS 688.5				SPT-N BLOWS / FT.	NUMBER	TYPE	% RECOVERY	MOISTURE, %	DRY DENSITY PCF	Qu _u test Failure Type	HN _u Units, ppm
Drilling Without Sampling											
Continued on Next Page											
WATER LEVEL OBSERVATIONS		Applied GeoScience, Inc.			STARTED	4-21-06	FINISHED	4-21-06			
WL	▽ 39 WD	2385 Hammond Drive, Suite 6 Schaumburg, Illinois 60173 Tel: (847) 303-0300 Fax: (847) 303-0900			DRILL CO.	Stryker	DRILL RIG	D-60			
WL	▽				DRILLER	Fred	ASST DRILLER	GE			
WL	▽				ENG-GEOL.	ND	APPROVED	AMM			

AGI Job No. 04-225		BORING LOG NO. SB-11			Sheet 2 of 2						
CLIENT URS		PROJECT Proposed Route 59 Pedestrian Bridge									
STATION: 110+65		OFFSET (ft): CL		LOCATION IL Route 59 at ComEd Easement							
COUNTY: Will Client Job No.: S.N. 099-6002 CITY & STATE: Naperville, Illinois		GRAPHIC LOG	DEPTH (FT.)	SAMPLES			TESTS				
(continued)				SPT-N BLOWS / FT.	NUMBER	TYPE	% RECOVERY	MOISTURE, %	DRY DENSITY PCF	Qu _u test Failure Type	HN _u Units, ppm
33.5											
SILTY CLAY, some sand & gravel, gray, hard, (CL)			22	1	SS	100	17		4 P		
40.0											
SAND & GRAVEL, with limestone, gray, wet, med. dense to dense, (SW-GP)			25	2	SS	100	18		4 P		
			28	3	SS	100					
			31	4	SS	100					
			25	5	SS	100					
			38	6	SS	100					
63.0											
63.5											
LIMESTONE with sand, gray, Auger and spoon refusal at 63.5 feet.			125	7	SS	5					
End Of Boring											
WATER LEVEL OBSERVATIONS		Applied GeoScience, Inc.			STARTED	4-21-06	FINISHED	4-21-06			
WL	▽ 39 WD	2385 Hammond Drive, Suite 6 Schaumburg, Illinois 60173 Tel: (847) 303-0300 Fax: (847) 303-0900			DRILL CO.	Stryker	DRILL RIG	D-60			
WL	▽				DRILLER	Fred	ASST DRILLER	GE			
WL	▽				ENG-GEOL.	ND	APPROVED	AMM			

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DESIGNED MDS
CHECKED JPB
DRAWN MDS
CHECKED JPB

URS
100 South Wacker Drive,
Suite 500
Chicago, IL 60606
(312) 939-1000

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
SOIL BORING 11

ROUTE 59 PEDESTRIAN BRIDGE
CITY OF NAPERVILLE, WILL COUNTY

F.A.P. RTE. SECTION: 05-00130-00-BR
STATION 113+02.46 STRUCTURE NO. 099-6002
SCALE: N.T.S. DATE: 12/8/2006

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P.	05-00130-00-BR	WILL	41	35
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-	

SHEET NO. 23
OF 23 SHEETS

CONTRACT NO. 83889

AGI Job No. 04-225		BORING LOG NO. SB-12		Sheet 1 of 2																																																																																																		
CLIENT URS		PROJECT Proposed Route 59 Pedestrian Bridge																																																																																																				
STATION: 116+50		OFFSET (ft): CL		LOCATION IL Route 59 at ComEd Easement																																																																																																		
COUNTY: Will Client Job No.: S.N. 099-6002 CITY & STATE: Naperville, Illinois		<table border="1"> <thead> <tr> <th rowspan="2">DEPTH (FT.)</th> <th colspan="3">SAMPLES</th> <th colspan="4">TESTS</th> </tr> <tr> <th>SPT-N BLOWS / FT.</th> <th>NUMBER</th> <th>TYPE</th> <th>% RECOVERY</th> <th>MOISTURE, %</th> <th>DRY DENSITY PCF</th> <th>Qu tsf Failure Type</th> <th>HN: Units ppm</th> <th>Estim. Coefficient of Permeability k_v (cm/sec)</th> </tr> </thead> <tbody> <tr> <td>0-38.5</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>38.5-41.0</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>41.0-45.0</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>45.0-50.0</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>50.0-55.0</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>55.0-60.0</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>60.0-65.0</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>65.0-65.5</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>				DEPTH (FT.)	SAMPLES			TESTS				SPT-N BLOWS / FT.	NUMBER	TYPE	% RECOVERY	MOISTURE, %	DRY DENSITY PCF	Qu tsf Failure Type	HN: Units ppm	Estim. Coefficient of Permeability k _v (cm/sec)	0-38.5										38.5-41.0										41.0-45.0										45.0-50.0										50.0-55.0										55.0-60.0										60.0-65.0										65.0-65.5									
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DESIGNED MDS
CHECKED JPB
DRAWN MDS
CHECKED JPB

URS
100 South Wacker Drive,
Suite 500
Chicago, IL 60606
(312) 939-1000

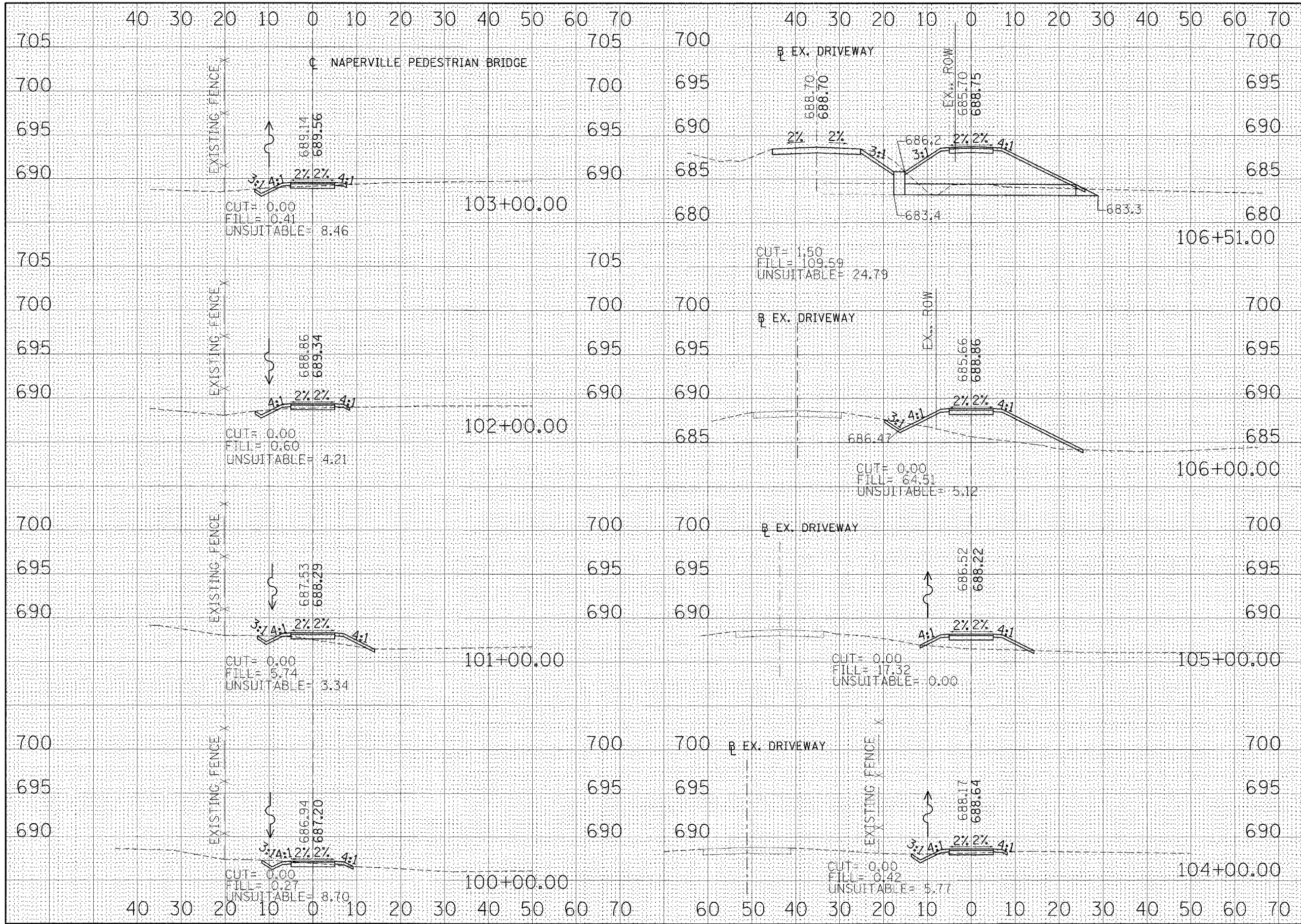
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
SOIL BORING 12

ROUTE 59 PEDESTRIAN BRIDGE
CITY OF NAPERVILLE, WILL COUNTY

F.A.P. RTE. SECTION: 05-00130-00-BR
STATION 113+02.46 STRUCTURE NO. 099-6002
SCALE: N.T.S. DATE: 12/8/2006

F.A. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-00130-00-BR	WILL	41	36
STA. 100+00	TO STA. 106.51			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	CONTRACT NO. 83889	

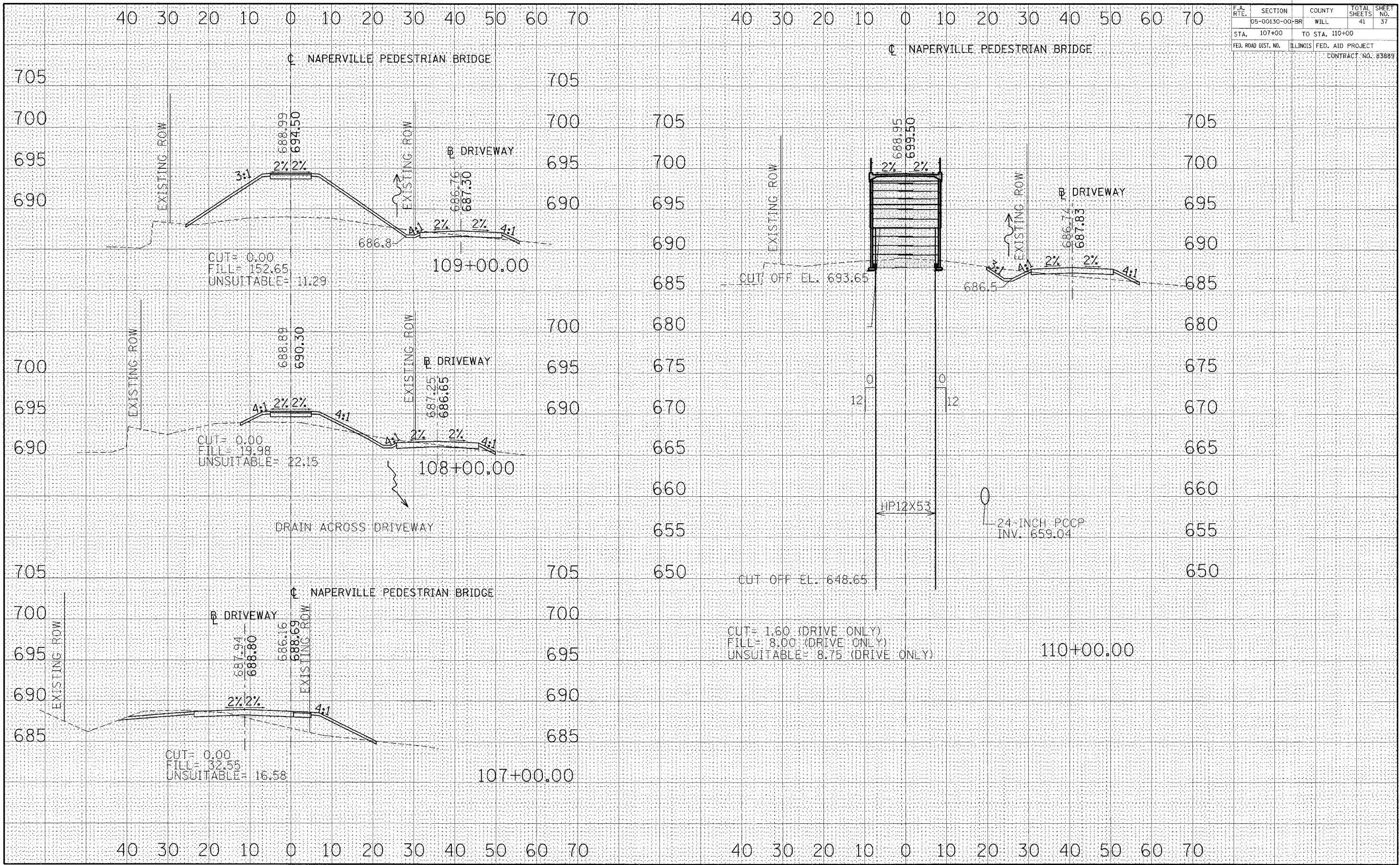


DATE	
BY	
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NOTE BOOK	
AREAS CHECKED	

DATE	
BY	
SURVEYED	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	

CROSS SECTIONS-NAPERVILLE PEDESTRIAN BRIDGE

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
05-00130-00-BR	WILL	ILLINOIS	41	37
STA. 107+00	TO STA. 110+00		FED. AID PROJECT	
			CONTRACT NO. 83889	



DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	

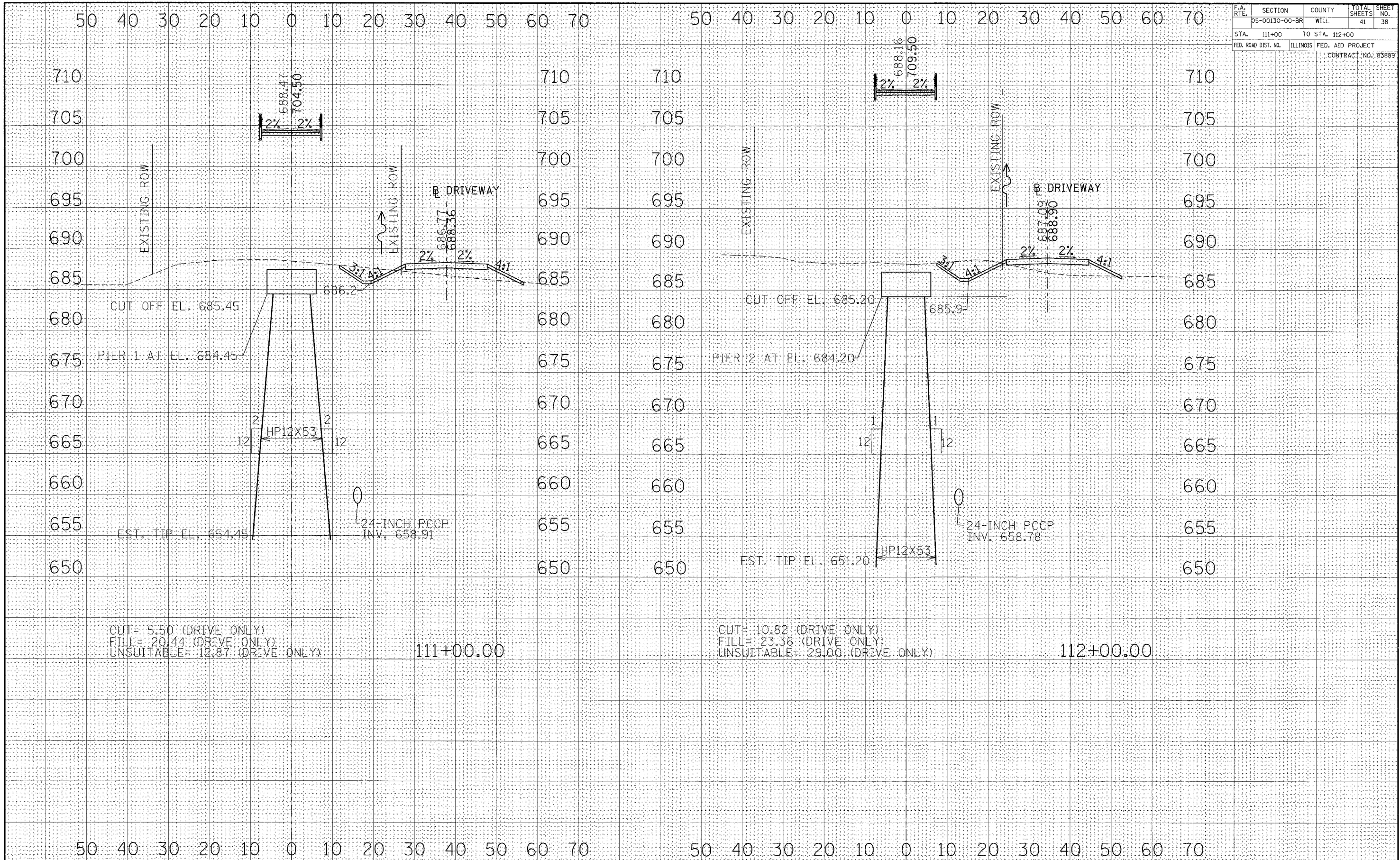
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NOTE BOOK	
AREAS CHECKED	
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CROSS SECTIONS-NAPERVILLE PEDESTRIAN BRIDGE

F.A. RTE.	SECTION	COUNTY	TOTAL SHEET NO.
05-00130-00-BR	WILL		41
STA. 111+00	TO STA. 112+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	
		CONTRACT NO. 83889	

DATE _____ BY _____
 SUPERSED
 PLOTTED
 TEMPLATE
 NOTE BOOK
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 AREAS CHECKED _____

DATE _____ BY _____
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 TEMPLATE
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 AREAS CHECKED _____

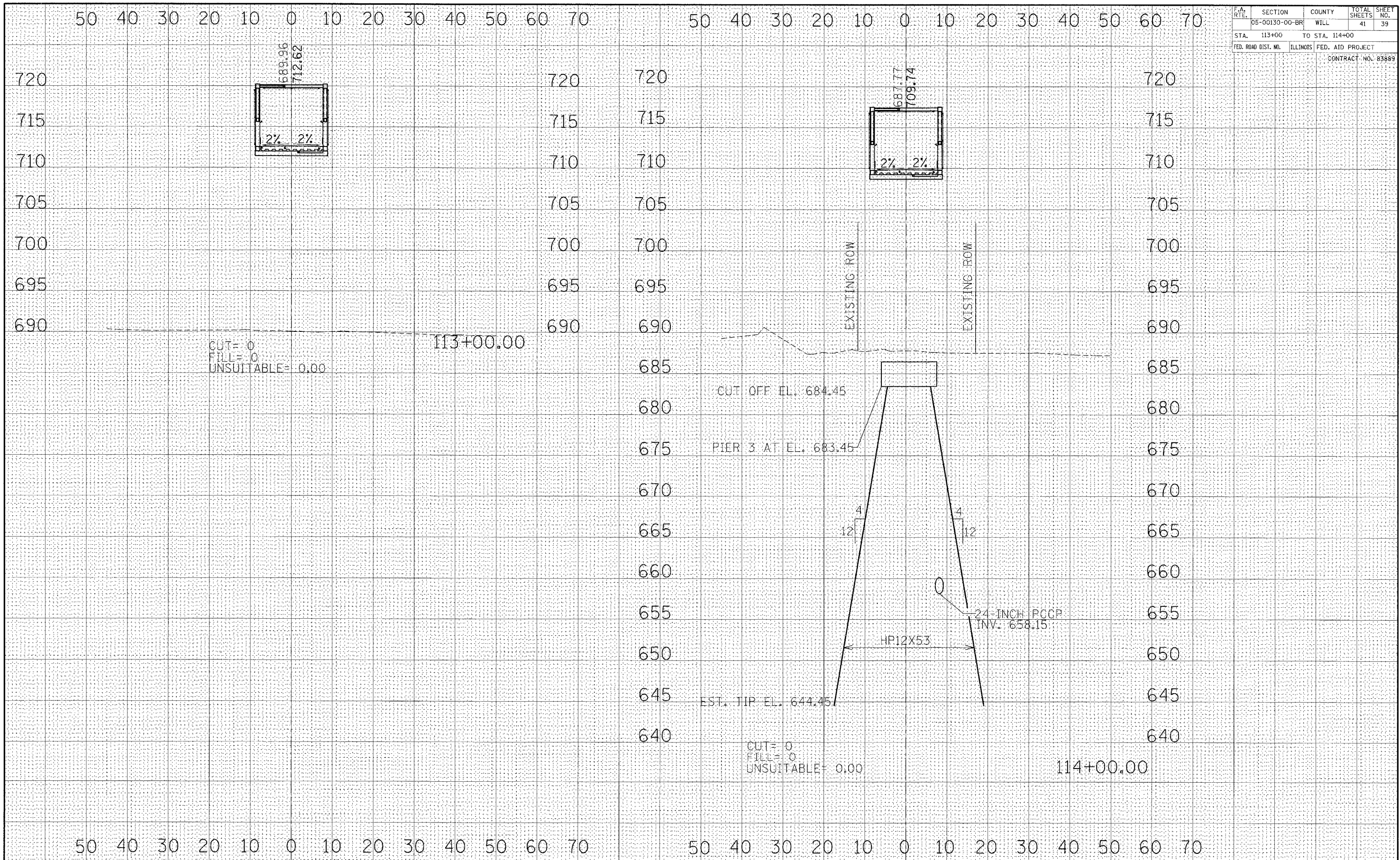


CROSS SECTIONS-NAPERVILLE PEDESTRIAN BRIDGE

F.A. RT.:	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-00130-00-BR	WILL	41	39
STA.	113+00	TO STA.	114+00	
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
		CONTRACT NO.	83889	

DATE	
BY	
FINAL SURVEY	
NOTED	
NO.	

DATE	
BY	
ORIGINAL SURVEY	
NOTED	
NO.	

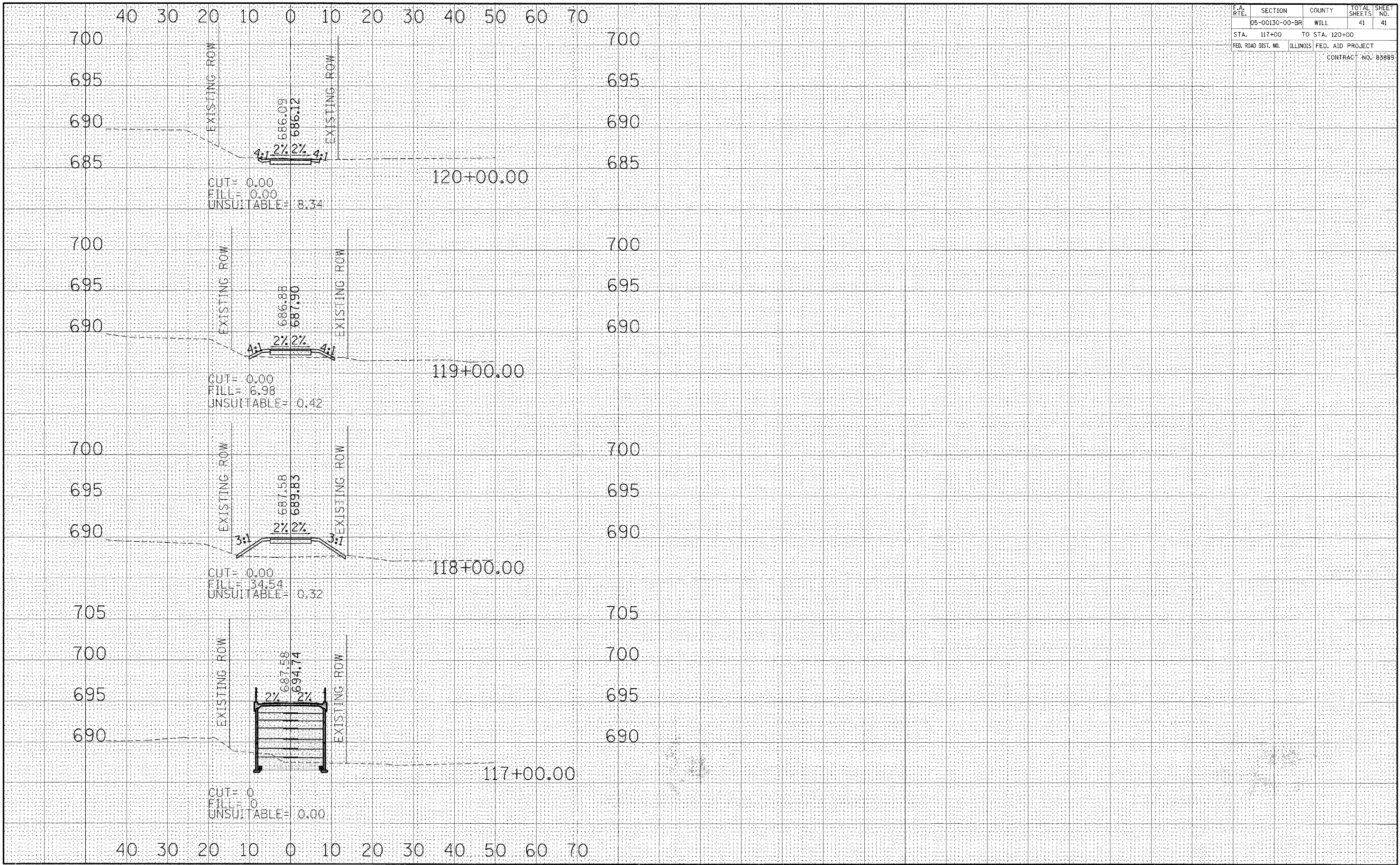


CROSS SECTIONS-NAPERVILLE PEDESTRIAN BRIDGE

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-00130-00-BR	WILL	41	41
STA.	117+00	TO STA.	120+00	
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
		CONTRACT NO.	83889	

DATE _____
 BY _____
 SURVEYED _____
 PLOTTED _____
 NOTE BOOK _____
 TEMPLATE _____
 AREAS CHECKED _____

DATE _____
 BY _____
 SURVEYED _____
 PLOTTED _____
 NOTE BOOK _____
 TEMPLATE _____
 AREAS CHECKED _____



CROSS SECTIONS-NAPERVILLE PEDESTRIAN BRIDGE