

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	4-HBR	WINNEBAGO	148	1
		ILLINOIS	CONTRACT NO. 64A08	

STATE OF ILLINOIS 09-18-2020 LETTING ITEM 015

DEPARTMENT OF TRANSPORTATION

D-92-056-04

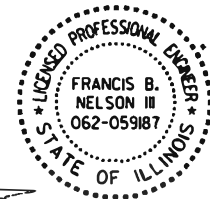
INDEX OF SHEETS

SEE SHEET 2 FOR "INDEX OF SHEETS"

HIGHWAY STANDARDS

SEE SHEET 2 FOR "HIGHWAY STANDARDS"

TOWNSHIP: ROCKFORD SECTION: 12
TOWNSHIP: CHERRY VALLEY SECTION: 7



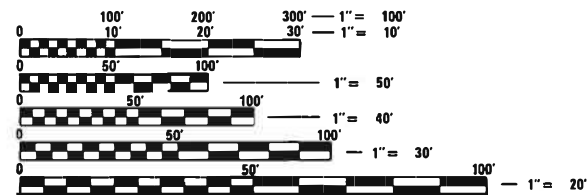
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6-12-20

FRANCIS B. NELSON III ILLINOIS P.E. 062.059187 DATE
EXPIRES 11/30/2021
SIGNATURE AND SEAL APPLY TO ALL SHEETS
EXCEPT AS NOTED BELOW:
SHEETS 49 - 99

PREPARED BY:

QEI 2351 SOUTH DIRKSEN PARKWAY
SPRINGFIELD, ILLINOIS 62703
(217) 670-0563 (P) / 217-245-5398 (F)
PROJECT MANAGER:
FRANCIS B. NELSON III, P.E.
www.quiggengineering.com



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

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

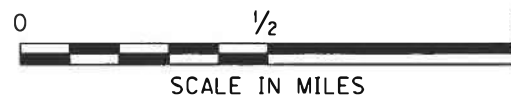
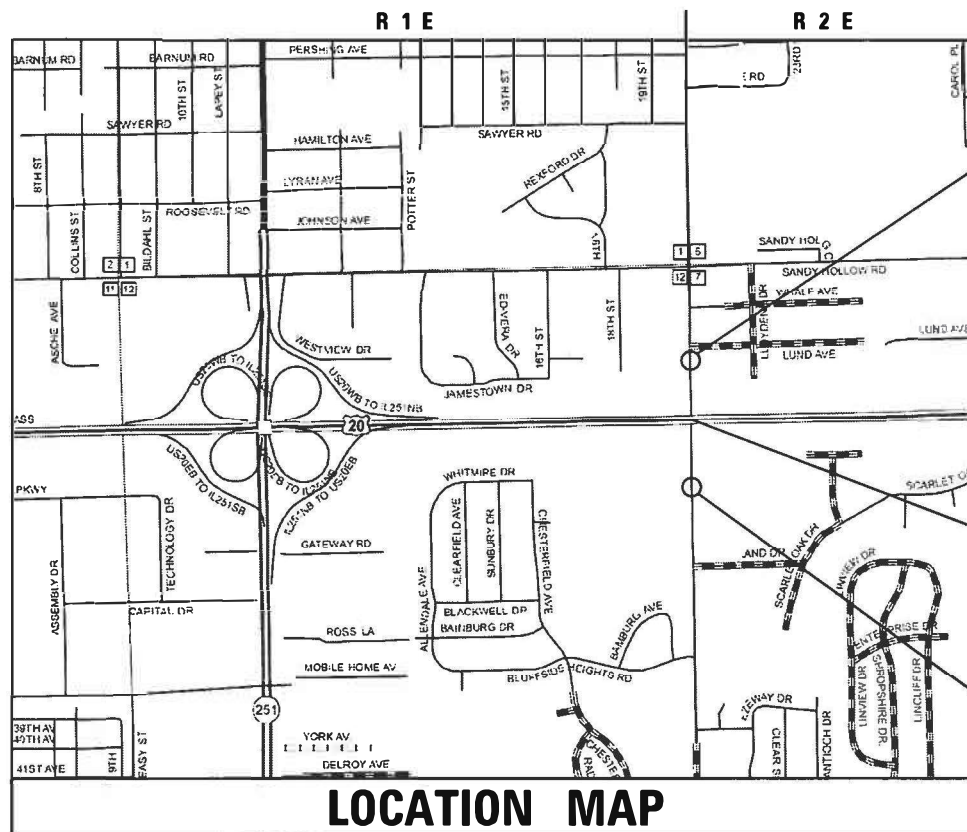
PROJECT ENGINEER: FAITH DUNCAN
PROJECT MANAGER: TRACI DUDEN (815) 284-5932
traci.duden@illinois.gov

CONTRACT NO. 64A08

**PROPOSED
HIGHWAY PLANS**

FAP 301 (US 20)
SECTION 4-HBR
PROJECT NHPP-32E9(868)
BRIDGE REPLACEMENT
WINNEBAGO COUNTY

C-92-030-16



GROSS & NET LENGTH = 1,200.00 FT. = 0.227 MILE (20TH ST)
= 940 FT. = 0.180 MILE (US 20)
= 2,150 FT. = 0.407 MILE (TOTAL)

PROJECT /IMPROVEMENT
ENDS STA 106 + 00.00

4HBR

STRUCTURE REPLACEMENT
EX S.N. 101-0116
PR S.N. 101-0188

IMPROVEMENT BEGINS STA 93 + 85.00
PROJECT BEGINS STA 94 + 00.00



LOCATION OF SECTION INDICATED THUS: -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
SUBMITTED June 18, 2020
[Signature]
REGIONAL ENGINEER
August 14, 2020
[Signature]
ENGINEER OF DESIGN AND ENVIRONMENT
August 14, 2020
[Signature]
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

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OF THE STATE OF ILLINOIS

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	COVER SHEET
2	INDEX OF SHEETS / HIGHWAY STANDARDS
3 - 5	GENERAL NOTES
6 - 15	SUMMARY OF QUANTITIES
16 - 17	TYPICAL SECTIONS - 20TH STREET
18	TYPICAL SECTIONS - US ROUTE 20
19 - 30	SCHEDULE OF QUANTITIES
31	PAVEMENT SCHEDULE
32	ALIGNMENT, TIES & BENCHMARKS
33 - 34	RIGHT OF WAY PLAN
35	PLAN & PROFILE - 20TH STREET
36	ROADWAY PLAN - US ROUTE 20
37	REMOVAL PLAN
38	TRAFFIC CONTROL - 20TH STREET CLOSURE
39	TRAFFIC CONTROL - TYPICAL SECTIONS US ROUTE 20
40	TRAFFIC CONTROL - PRE-STAGE 1 US ROUTE 20
41	TRAFFIC CONTROL - STAGE 1 US ROUTE 20
42	TRAFFIC CONTROL - STAGE 2 US ROUTE 20
43	EROSION & SEDIMENT CONTROL PLAN
44	DRAINAGE PLAN
45 - 48	ENTRANCE DETAILS
49 - 65	EXISTING STRUCTURE PLANS (FOR INFORMATION ONLY)
66 - 99	STRUCTURE PLANS (SN 101-0188)
100	RIPRAP AT END SECTIONS (DIST STD 19.4)
100	HOT-MIX ASPHALT SHOULDER (DIST STD 22.4)
100	DETAIL OF HOT-MIX ASPHALT SHOULDER AT GUARDRAIL (DIST STD 23.4)
100	CONCRETE HEADWALLS FOR PIPE UNDERDRAINS FOR STRUCTURES (DIST STD 27.4)
101	DELINEATOR AND POST ORIENTATION (DIST STD 37.4)
101	TYPICAL BENCHING ON EXISTING EMBANKMENT (DIST STD 50.4)
101	PERMANENT SURVEY MARKERS, TYPE II (DIST STD 66.2)
102 - 106	TRAVERSABLE PIPE GRATE FOR PARALLEL DRAINAGE STRUCTURE (DIST STD 14.1)
107	HOT-MIX ASPHALT APPROACHES AND MAILBOX RETURNS (DIST STD 20.1)
108	CONCRETE COLLARS FOR PIPE OR BOX CULVERT EXTENSIONS (DIST STD 33.1)
109 - 112	WORK ZONE SIGN DETAILS (DIST STD 34.1)
113	TRAFFIC CONTROL TYPICAL WEAVE (DIST STD 39.1)
114	TRAFFIC CONTROL FOR ROAD CLOSURE (DIST STD 40.1)
115 - 117	TYPICAL PAVEMENT MARKINGS (DIST STD 41.1)
118	DETAILS OF PLANTING AND BRACING TREES (DIST STD 92.1)
119	STEEL PLATE BEAM GUARDRAIL ADJUSTMENT DETAIL
120 - 138	CROSS SECTIONS - 20TH STREET
139 - 148	CROSS SECTIONS - US ROUTE 20

IDOT HIGHWAY STANDARDS

STD NO.	DESCRIPTION
000001-07	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
001006	DECIMAL OF AN INCH AND OF A FOOT
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
420001-09	PAVEMENT JOINTS
420401-13	PAVEMENT CONNECTOR (PCC) FOR BRIDGE APPROACH SLAB
420701-03	PAVEMENT WELDED WIRE REINFORCEMENT
515001-04	NAME PLATE FOR BRIDGES
542001-06	CONCRETE END SECTIONS FOR PIPE CULVERTS 15" (375 MM) THRU 84" (2100 MM) DIAMETER
542311-07	TRAVERSABLE PIPE GRATE FOR CONCRETE END SECTION
542401-03	METAL FLARED END SECTION FOR PIPE CULVERTS
542411	SLOPED METAL END SECTIONS FOR PIPE CULVERTS 15" (375 MM) THRU 60" (1500 MM) DIAMETER
601001-05	PIPE UNDERDRAINS
601101-02	CONCRETE HEADWALL FOR PIPE UNDERDRAIN
630001-12	STEEL PLATE BEAM GUARDRAIL
630116	BACK SIDE PROTECTION OF GUARDRAIL
630301-09	SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
631031-16	TRAFFIC BARRIER TERMINAL, TYPE 6
635001-02	DELINEATORS
642001-02	SHOULDER RUMBLE STRIPS, 16 IN.
643001-02	SAND MODULE IMPACT ATTENUATORS
665001-02	WOVEN WIRE FENCE
666001-01	RIGHT-OF-WAY MARKERS
701001-02	OFF-ROAD OPERATIONS, 2L, 2W, MORE THAN 15' (4.5 M) AWAY
701006-05	OFF-ROAD OPERATIONS, 2L, 2W, 15' (4.5 M) TO 24" (600 MM) FROM PAVEMENT EDGE
701011-04	OFF-ROAD MOVING OPERATIONS, 2L, 2W, DAY ONLY
701101-05	OFF-ROAD OPERATIONS, MULTILANE, 15' (4.5 M) TO 24" (600 MM) FROM PAVEMENT EDGE
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY
701400-09	APPROACH TO LANE CLOSURE, FREEWAY/EXPRESSWAY
701401-12	LANE CLOSURE, FREEWAY/EXPRESSWAY
701402-12	LANE CLOSURE, FREEWAY/EXPRESSWAY, WITH BARRIER
701426-09	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATION, FOR SPEEDS > 45 MPH
701428-01	TRAFFIC CONTROL, SETUP AND REMOVAL, FREEWAY/EXPRESSWAY
701901-08	TRAFFIC CONTROL DEVICES
704001-08	TEMPORARY CONCRETE BARRIER
720001-01	SIGN PANEL MOUNTING DETAILS
720006-04	SIGN PANEL ERECTION DETAILS
720011-01	METAL POSTS FOR SIGNS, MARKERS AND DELINEATORS
725001-01	OBJECT AND TERMINAL MARKERS
780001-05	TYPICAL PAVEMENT MARKINGS
782006-01	GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS

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PLOT DATE = 6/17/2020	DATE - 6/12/2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

INDEX OF SHEETS / HIGHWAY STANDARDS

SCALE: SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	4-HBR	WINNEBAGO	148	2
CONTRACT NO. 64A08				
ILLINOIS FED. AID PROJECT				

GENERAL NOTES

82. ONE 16D GALVANIZED NAIL SHALL BE USED TO TOE NAIL THE WOOD BLOCK OUT TO THE WOOD POST ON ALL TRAFFIC BARRIER TERMINAL TYPE I SPECIALS.
83. DELINEATORS SHALL BE INSTALLED AS SHOWN IN STANDARD 635001, EXCEPT THAT THE POST SHALL BE ROTATED 180° AND ONLY METAL-BACKED DELINEATORS SHALL BE PERMITTED. DELINEATORS SHALL BE PLACED AT THE ENDS OF APPROACH GUARDRAIL TERMINAL SECTIONS, AND AT EACH HEADWALL OR END SECTION OF AR CULVERTS. THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR DELINEATORS.
84. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COLLECTING AND MAINTAINING AN ELECTRONIC LOG OF ALL STAKEOUT SURVEY THAT IS PERFORMED ON THE JOB, EITHER BY HIM/HER OR ANY SUB-CONTRACTOR PERFORMING THE STAKEOUT. UPON REQUEST, ALL LOGS SHALL BE SUBMITTED TO THE DEPARTMENT. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR THIS WORK, BUT SHALL BE CONSIDERED INCLUDED IN THE COST FOR CONSTRUCTION LAYOUT.
85. TREE PLANTING LAYOUT SHALL BE PERFORMED BY THE DISTRICT ROADSIDE MANAGEMENT SPECIALIST. MULCH SHALL BE PLACED 4" THICK AND TO THE DIAMETER AROUND THE TREE AS SHOWN ON DISTRICT STANDARD 92.1. THE MULCH SHALL BE HARDWOOD WOOD CHIPS PLACED ON WEED BARRIER FABRIC. THIS WORK SHALL BE INCLUDED IN THE COST OF THE TREE.
88. PAVEMENT MARKING SHALL BE DONE ACCORDING TO STANDARD 780001, EXCEPT AS FOLLOWS:
1. ALL WORDS, SUCH AS ONLY, SHALL BE 8 FEET HIGH.
 2. ALL NON-FREEWAY ARROWS SHALL BE THE LARGE SIZE.
 3. THE DISTANCE BETWEEN YELLOW NO-PASSING LINES SHALL BE 8 INCHES, NOT 7 INCHES, AS SHOWN IN THE DETAIL OF TYPICAL LANE AND EDGE LINES.
 4. CENTERLINE SKIP DASH PAVEMENT MARKING ON MULTI-LANE DIVIDED, MULTI-LANE UNDIVIDED, AND ONE-WAY ROADWAY SHALL BE ACCORDING TO DISTRICT STANDARD 41.1.
89. PERMANENT SURVEY MARKERS, TYPE II, SHALL BE SET AT INTERVALS OF 1 MILE OR AS DIRECTED BY THE ENGINEER. BRIDGE OR CULVERT PROJECTS SHALL HAVE ONE SURVEY MARKER PLACED NEAR THE STRUCTURE. ESTIMATED: 1 EACH.
91. PERMANENT SURVEY MARKERS, TYPE II SHALL BE CAST-IN-PLACE AS SHOWN ON DISTRICT STANDARD 66.2, OR ANOTHER OPTION WOULD BE TO INSTALL A VAULTED STYLE MONUMENT AS DESCRIBED BY NGS AS A 3D MONUMENT (TOP SECURITY SLEEVE ROD MONUMENT), WITH INSTALLATION INSTRUCTIONS PROVIDED BY THE DISTRICT CHIEF OF SURVEYS. IF POURED IN PLACE, THE BOTTOM OF THE MARKER SHALL BE 5'-0" BELOW THE GROUND SURFACE.
92. THE PERMANENT SURVEY MARKERS, IF POSSIBLE, SHALL BE INSTALLED AT THE BEGINNING OF THE JOB AND PROTECTED THROUGHOUT.
93. THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER A DESCRIPTION OF LOCATION, ELEVATION, AND COORDINATES FOR EACH PERMANENT SURVEY MARKER. THE HORIZONTAL COORDINATES MUST BE DERIVED BY GPS AND THE ELEVATION DERIVED USING AN ELECTRONIC LEVEL. THE META DATA, SUCH AS THE GEOID USED, (NGS ADJUSTMENT ie: 97 HARN, 03, 07), AND THE BASE POINT(S) NAME OR NUMBER SHALL BE SUBMITTED ALONG WITH A COMPLETE COLLECTION LOG. IF COLLECTED USING RTK METHOD, IT WILL REQUIRE EITHER 3 COLLECTIONS (AVERAGED) FROM 2 DIFFERENT BASES, OR A MINIMUM OF 3 COLLECTIONS (AVERAGED), AT LEAST 2 HOURS APART, FROM THE SAME BASE. IF USING A CORS TYPE NETWORK, THE COLLECTION PROCEDURE SHALL INCLUDE LOCALIZING WITH CHECK SHOTS ON AT LEAST 2 DIFFERENT HARN MONUMENTS BOTH BEFORE AND AFTER COLLECTION. THE LEVEL CIRCUIT SHALL BE RUN FROM FURNISHED MARK TO FURNISHED MARK AND THEN ADJUSTED. THE ERROR OF CLOSURE SHALL BE SUBMITTED WITH THE ELECTRONIC LEVEL NOTES IN A RECOGNIZED FORMAT APPROVED BY THE ENGINEER AND/OR THE CHIEF OF SURVEYS. THE ENGINEER SHALL SUBMIT THIS INFORMATION TO THE DISTRICT CHIEF OF SURVEYS.
98. RIGHT-OF-WAY MARKERS WILL BE ERECTED PER HIGHWAY STANDARD 666001 WITH THE BACK FACE OF THE MARKER ON THE RIGHT-OF-WAY LINE, UNLESS THE NEW RIGHT-OF-WAY LINE HAS BEEN SURVEYED AND PINNED, IN WHICH INSTANCE THE RIGHT-OF-WAY MARKERS WILL BE ERECTED 12 INCHES INSIDE THE NEW RIGHT-OF-WAY LINE. THE METHOD OF INSTALLATION SHALL BE APPROVED BY THE ENGINEER.

102. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND PROTECTING UTILITY PROPERTY DURING CONSTRUCTION OPERATIONS AS OUTLINED IN ARTICLE 107.39 OF THE STANDARD SPECIFICATIONS. A MINIMUM OF 48 HOURS ADVANCE NOTICE IS REQUIRED FOR NON-EMERGENCY WORK. THE JULIE NUMBER IS 800-892-0123. THE FOLLOWING LISTED UTILITIES LOCATED WITHIN THE PROJECT LIMITS OR IMMEDIATELY ADJACENT TO THE PROJECT CONSTRUCTION LIMITS ARE MEMBERS OF JULIE:

UTILITY CONTACTS					
TYPE	UTILITY	CONTACT	TELEPHONE #	JULIE MEMBER	RELOCATION COMPLETION DATE
TELEPHONE	AT&T COMMUNICATIONS, INC.	MR. CARL DONAHUE 866 ROCK CREEK ROAD PLANO, IL 60545	630-552-4677	YES	
PETROLEUM	BUCKEYE PARTNERS, LP	MR. MICHAEL NORRIS 12920 S. BELL ROAD LEMONT, IL 60439	219-313-5321	YES	
ELECTRIC	COMMONWEALTH EDISON COMPANY	MS. NORA FERNANDEZ 123 ENERGY AVENUE ROCKFORD, IL 61109	815-490-2869	YES	
TELEPHONE	FRONTIER	MR. DONALD BELMORE 2239 NEWBURG ROAD BELVIDERE, IL 61008	815-544-6171	YES	
TELEPHONE	AT&T	MR. HECTOR GARCIA 1000 COMMERCE DRIVE OAK BROOK, IL 60523	630-573-5465	YES	
GAS	NICOR GAS CO.	MR. BRUCE KOPPANG 1844 FERRY ROAD NAPERVILLE, IL 60563-9600	630-388-3046	YES	
WATER	ROCKFORD WATER DEPARTMENT	MS. JAMIE ROTT 425 E. STATE STREET ROCKFORD, IL 61104	815-967-7060	NO	
SEWER	ROCK RIVER WATER RECLAMATION DISTRICT	MS. ANGIE GOOD 3501 KISHWAUKEE STREET ROCKFORD, IL 61126-7480	815-387-7400	YES	
CATV	COMCAST CABLE	MR. MICHAEL OWENS 4450 KISHWAUKEE STREET ROCKFORD, IL 61109	815-395-8977	YES	
TELEPHONE	WINDSTREAM	MR. DEVEN BARNHILL 1901 N. ROSELLE ROAD SCHAUMBURG, IL 60195	815-592-3395	YES	
COMMUNICATIONS	G4S TECHNOLOGY, LLC	MR. CECIL KUHSE 565 WILLOWBROOK CENTER PKWY WILLOWBROOK, IL 60527-5512	630-343-2155	YES	

IDOT IS NOT A MEMBER OF JULIE. IF YOU ARE NEAR ANY OVERHEAD LIGHTING, INTERSECTION LIGHTING OR TRAFFIC SIGNALS, CONTACT THE IDOT TRAFFIC OFFICE AT 815/284-5469 AT LEAST 48 HOURS PRIOR TO WORK.

106. RELOCATE TEMPORARY IMPACT ATTENUATORS SHALL INCLUDE STORAGE AND TRANSPORTATION TO AND FROM STORAGE, WHEN THE DEVICE IS NOT NEEDED FOR A TIME, AS SHOWN ON THE STAGING PLANS. THIS SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE PER EACH FOR IMPACT ATTENUATORS, RELOCATE OF THE TYPE SPECIFIED.
107. WHEN RELOCATE TEMPORARY CONCRETE BARRIER IS SPECIFIED, THE WALL SHALL BE REMOVED, STORAGE AND TRANSPORTATION TO AND FROM STORAGE, WHEN THE WALL IS NOT NEEDED FOR A TIME AS SHOWN ON THE STAGING PLANS, RELOCATED AND REINSTATED AT THE NEW LOCATION. THE REINSTALLATION REQUIREMENTS SHALL BE THE SAME AS THOSE FOR A NEW INSTALLATION. THIS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER FOOT FOR RELOCATE TEMPORARY CONCRETE BARRIER.

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

GENERAL NOTES

SCALE: SHEET NO. 2 OF 3 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	4-HBR	WINNEBAGO	148	4
CONTRACT NO. 64A08				
ILLINOIS FED. AID PROJECT				

GENERAL NOTES

200. GRADING SHALL BE DONE BY HAND AROUND LIGHT POLES, UTILITY POLES, SIGN POSTS, SHRUBS, TREES, OR OTHER NATURAL OR MAN-MADE OBJECTS WHERE SHALLOW CUTS OR FILLS ARE ADJACENT TO THE ITEMS. IT IS THE INTENT THAT THE LIMITS OF CONSTRUCTION BE SUCH AS TO PRESERVE IN THE ORIGINAL STATE AS MUCH AREA OF TEMPORARY EASEMENTS AS POSSIBLE. THE DECISION AS TO ITEMS TO REMAIN IN PLACE SHALL BE AS DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED INCLUDED IN THE CONTRACT UNIT PRICE PER CUBIC YARD FOR EARTH EXCAVATION, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
201. ABANDONED UNDERGROUND UTILITIES THAT CONFLICT WITH CONSTRUCTION SHALL BE DISPOSED OF OUTSIDE THE LIMITS OF RIGHT-OF-WAY ACCORDING TO ARTICLE 202.03 OF THE STANDARD SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF EARTH EXCAVATION AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
202. WHERE SECTION OR SUBSECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL PROPERTY MARKERS AND MONUMENTS UNTIL THE OWNER AND AN AUTHORIZED SURVEYOR OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION. THE CONTRACTOR WILL BE RESPONSIBLE FOR HAVING AN AUTHORIZED SURVEYOR RE-ESTABLISH ANY SECTION OR SUBSECTION MONUMENTS DESTROYED BY THE CONTRACTOR'S OPERATIONS.
203. ALL OTHER SIGNS OR SIGN POSTS THAT REQUIRE RELOCATION OR REMOVAL SHALL BE REMOVED, TEMPORARILY RELOCATED OR STORED. SIGNS TO BE RELOCATED SHALL BE PERMANENTLY RELOCATED AT THE DIRECTION OF THE RESIDENT ENGINEER IN ACCORDANCE WITH SECTION 107.25 OF THE STANDARD SPECIFICATIONS.
204. EXCESS TREES THAT CANNOT BE PLANTED ALONG THE 20TH STREET PROJECT LIMITS SHALL BE PLANTED AT ALTERNATIVE LOCATIONS IN WINNEBAGO COUNTY AS DETERMINED BY THE DISTRICT ROADSIDE MANAGEMENT SPECIALIST.

COMMITMENTS

1. THE CONTRACTOR SHALL CONTACT TOMAS HERNANDEZ AT (815) 621-5008 AND EMAIL AT HERNANDEZLANDO9@GMAIL.COM AT LEAST 2 WEEKS PRIOR TO CONSTRUCTION IN FRONT OF THEIR PROPERTY (STA 103+50 LT) AT 3533 20TH STREET, ROCKFORD, IL TO NOTIFY OWNER OF START DATE TO ALLOW THEM TIME TO REMOVE EXISTING PAVERS FROM THEIR DRIVEWAY.
2. THE CONTRACTOR SHALL TAKE CARE AND NOT CROSS THE ROW LINE IN FRONT OF THE CHURCH OF CHRIST EAST SIDE PROPERTY (BETWEEN STA 104+21 LT AND STA 105+60 LT) AT 3529 20TH STREET, ROCKFORD, IL. ALL REMOVAL AND PROPOSED WORK SHALL BE PERFORMED FROM THE STATE SIDE OF ROW.

APPLICATION RATES

AGG SUBGRADE IMPROVEMENT	2.05 TONS/CU YD
AGG BASE COURSE, TYPE B	2.08 TONS/CU YD
HMA MATERIALS	112 LBS/SQ YD/IN
TACK COAT	0.025 LBS/SQ FT
PRIME COAT	0.25 LBS/SQ FT
NITROGEN FERTILIZER NUTRIENT	90 LBS/ACRE
PHOSPHOROUS FERTILIZER NUTRIENT	90 LBS/ACRE
POTASSIUM FERTILIZER NUTRIENT	90 LBS/ACRE

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QUIGG ENGINEERING INC

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

GENERAL NOTES

SCALE: SHEET NO. 3 OF 3 SHEETS STA. TO STA.

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CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE			
				NHPP 80% FED 20% STATE	80% FED 20% CITY	NHPP 80% FED 20% STATE	100% CITY ROCKFORD
				ROADWAY	NEW PATH / SIDEWALK	BRIDGE	BRIDGE
				0004	0028	0010	0010
				URBAN	URBAN	101-0188	101-0188
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	296	296			
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	48	48			
20100500	TREE REMOVAL, ACRES	ACRE	0.75	0.75			
20200100	EARTH EXCAVATION	CU YD	4,039	4,039			
20400800	FURNISHED EXCAVATION	CU YD	8,500	8,500			
* 21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	17,603	17,603			
* 25000110	SEEDING, CLASS 1A	ACRE	0.75	0.75			
* 25000210	SEEDING, CLASS 2A	ACRE	3.00	3.00			
* 25000400	NITROGEN FERTILIZER NUTRIENT	POUND	330	330			
* 25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	330	330			
* 25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	330	330			
** 25000750	MOWING	ACRE	3.75	3.75			
* 25100115	MULCH, METHOD 2	ACRE	3.75	3.75			

* DENOTES "SPECIALTY ITEM" ** 100% STATE



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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES	
SCALE:	SHEET NO. 1 OF 10 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	4-HBR	WINNEBAGO	148	6
CONTRACT NO. 64A08			ILLINOIS FED. AID PROJECT	

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CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE			
				NHPP 80% FED 20% STATE	80% FED 20% CITY	NHPP 80% FED 20% STATE	100% CITY ROCKFORD
				ROADWAY	NEW PATH / SIDEWALK	BRIDGE	BRIDGE
				0004	0028	0010	0010
				URBAN	URBAN	101-0188	101-0188
* 25100630	EROSION CONTROL BLANKET	SQ YD	15,192	15,192			
* 25100900	TURF REINFORCEMENT MAT	SQ YD	2,412	2,412			
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	366	366			
28000305	TEMPORARY DITCH CHECKS	FOOT	272	272			
28000400	PERIMETER EROSION BARRIER	FOOT	830	830			
28000500	INLET AND PIPE PROTECTION	EACH	6	6			
28100105	STONE RIPRAP, CLASS A3	SQ YD	170	170			
28200200	FILTER FABRIC	SQ YD	170	170			
30300011	AGGREGATE SUBGRADE IMPROVEMENT	TON	5,942	5,942			
31101600	SUBBASE GRANULAR MATERIAL, TYPE B 8"	SQ YD	979		979		
35101400	AGGREGATE BASE COURSE, TYPE B	TON	685	685			
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	16,173	13,971	2,202		
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	2,071	2,071			

* DENOTES "SPECIALTY ITEM"



USER NAME = F.Nelson	DESIGNED - FBN	REVISED -
FILE NAME = D264A08-sht-500.dgn	DRAWN - RG	REVISED -
PLOT SCALE = 100.0000' / 1in.	CHECKED - MCV	REVISED -
PLOT DATE = 6/23/2020	DATE - 6/12/2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES			
SCALE:	SHEET NO. 2 OF 10 SHEETS	STA.	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	4-HBR	WINNEBAGO	148	7
CONTRACT NO. 64A08			ILLINOIS FED. AID PROJECT	

FILE NAME = S:\Projects\2013 JOBS\13-57 ESCA PTB 169 ITEM 23 D2 VARIOUS PH 1-11\WD 5 - 28th St. over US 20\CADD\CADD Sheets\0264A08-sht-500.dgn
 MODEL = Default
 PLOT DRIVER = IODT_PDF.plt

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE			
				NHPP 80% FED 20% STATE	80% FED 20% CITY	NHPP 80% FED 20% STATE	100% CITY ROCKFORD
				ROADWAY	NEW PATH / SIDEWALK	BRIDGE	BRIDGE
				0004	0028	0010	0010
				URBAN	URBAN	101-0188	101-0188
40604000	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5FG, MIX "C", N50	TON	426	316	110		
40701871	HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 9 1/2"	SQ YD	2,459	2,459			
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	228	228			
42000070	PAVEMENT CONNECTOR (HMA) FOR BRIDGE APPROACH SLAB	SQ YD	158	158			
42001300	PROTECTIVE COAT	SQ YD	1,671			1,671	
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	413	413			
44000100	PAVEMENT REMOVAL	SQ YD	1,592	1,592			
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	84	84			
44000600	SIDEWALK REMOVAL	SQ FT	207	207			
44004000	PAVED DITCH REMOVAL	FOOT	189	189			
44004250	PAVED SHOULDER REMOVAL	SQ YD	1,880	1,880			
48203021	HOT-MIX ASPHALT SHOULDERS, 6"	SQ YD	3,077	3,077			
50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1			1	

* DENOTES "SPECIALTY ITEM"



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PLOT DATE = 6/23/2020	DATE - 6/12/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: SHEET NO. 3 OF 10 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	4-HBR	WINNEBAGO	148	8
CONTRACT NO. 64A08			ILLINOIS FED. AID PROJECT	

FILE NAME = S:\Projects\2013 JOBS\13-57 ESCA PTB 169 ITEM 23 D2 VARIOUS PH 1-11\WD 5 - 26th St. over US 20\CADD\CADD Sheets\0264A08-sh1-500.dgn
 MODEL = Default
 PLOT DRIVER = IODT_PDF.plt

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE			
				NHPP 80% FED 20% STATE	80% FED 20% CITY	NHPP 80% FED 20% STATE	100% CITY ROCKFORD
				ROADWAY	NEW PATH / SIDEWALK	BRIDGE	BRIDGE
				0004	0028	0010	0010
				URBAN	URBAN	101-0188	101-0188
50104400	CONCRETE HEADWALL REMOVAL	EACH	6	6			
50105220	PIPE CULVERT REMOVAL	FOOT	190	190			
50157300	PROTECTIVE SHIELD	SQ YD	345.3			345.3	
50200100	STRUCTURE EXCAVATION	CU YD	326.3			326.3	
50300225	CONCRETE STRUCTURES	CU YD	176.1			176.1	
50300255	CONCRETE SUPERSTRUCTURE	CU YD	378.8			378.8	
50300260	BRIDGE DECK GROOVING	SQ YD	899			899	
* 50300285	FORM LINER TEXTURED SURFACE	SQ FT	1,274				1,274
50301350	CONCRETE SUPERSTRUCTURE (APPROACH SLAB)	CU YD	128.6			128.6	
50500105	FURNISHING AND ERECTING STRUCTURAL STEEL	L SUM	1			1	
50500505	STUD SHEAR CONNECTORS	EACH	3,738			3,738	
50800105	REINFORCEMENT BARS	POUND	80	80			
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	163,540			163,540	
50901730	BRIDGE FENCE RAILING	FOOT	270			270	

* DENOTES "SPECIALTY ITEM"



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: SHEET NO. 4 OF 10 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	4-HBR	WINNEBAGO	148	9
CONTRACT NO. 64A08			ILLINOIS FED. AID PROJECT	

FILE NAME = S:\Projects\2013 JOBS\13-57 ESCA PTB 169 ITEM 23 D2 VARIOUS PH I-11\WD 5 - 28th St. over US 20\CADD\CADD Sheets\0264A08-sht-500.dgn
 MODEL = Default
 PLOT DRIVER = IODT_PDF.plt

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE			
				NHPP 80% FED 20% STATE	80% FED 20% CITY	NHPP 80% FED 20% STATE	100% CITY ROCKFORD
				ROADWAY	NEW PATH / SIDEWALK	BRIDGE	BRIDGE
				0004	0028	0010	0010
				URBAN	URBAN	101-0188	101-0188
50901750	PARAPET RAILING	FOOT	269			269	
51100100	SLOPE WALL 4 INCH	SQ YD	506			506	
51200959	FURNISHING METAL SHELL PILES 14" X 0.312"	FOOT	2,209			2,209	
51202305	DRIVING PILES	FOOT	2,209			2,209	
51203200	TEST PILE METAL SHELLS	EACH	3			3	
51204650	PILE SHOES	EACH	56			56	
51500100	NAME PLATES	EACH	1			1	
52100010	ELASTOMERIC BEARING ASSEMBLY, TYPE I	EACH	7			7	
52100520	ANCHOR BOLTS, 1"	EACH	28			28	
52100540	ANCHOR BOLTS, 1 1/2"	EACH	14			14	
542A1081	PIPE CULVERTS, CLASS A, TYPE 2 36"	FOOT	151	151			
542A1093	PIPE CULVERTS, CLASS A, TYPE 2 48"	FOOT	148	148			
542D0220	PIPE CULVERTS, CLASS D, TYPE 1 15"	FOOT	116	116			

* DENOTES "SPECIALTY ITEM"



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PLOT DATE = 6/23/2020	DATE - 6/12/2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: SHEET NO. 5 OF 10 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	4-HBR	WINNEBAGO	148	10
CONTRACT NO. 64A08				
(ILLINOIS) FED. AID PROJECT				

FILE NAME = S:\Projects\2013\JOBS\13-57 ESCA\PTB 169 ITEM 23 D2 VARIOUS PH 1-11\WD 5 - 28th St over US 20\CAD\CADD Sheets\0264A08-shr-500.dgn
 MODEL = Default
 PLOT DRIVER = I:\DOT_PDF.plt

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE			
				NHPP 80% FED 20% STATE	80% FED 20% CITY	NHPP 80% FED 20% STATE	100% CITY ROCKFORD
				ROADWAY	NEW PATH / SIDEWALK	BRIDGE	BRIDGE
				0004	0028	0010	0010
				URBAN	URBAN	101-0188	101-0188
54248510	CONCRETE COLLAR	CU YD	2.2	2.2			
54260315	TRAVERSABLE PIPE GRATE FOR CONCRETE END SECTION	FOOT	177	177			
54260715	SLOPED METAL END SECTION WITH GRATE, STANDARD 542411, 15", 1:6	EACH	2	2			
54261433	CONCRETE END SECTION, STANDARD 542001, 33", 1:4	EACH	2	2			
54261636	CONCRETE END SECTION, STANDARD 542001, 36", 1:6	EACH	2	2			
54261648	CONCRETE END SECTION, STANDARD 542001, 48", 1:6	EACH	2	2			
54262715	METAL FLARED END SECTIONS 15"	EACH	4	4			
550A0440	STORM SEWERS, CLASS A, TYPE 2 33"	FOOT	14	14			
58600101	GRANULAR BACKFILL FOR STRUCTURES	CU YD	157.8			157.8	
59100100	GEOCOMPOSITE WALL DRAIN	SQ YD	87			87	
60100060	CONCRETE HEADWALLS FOR PIPE DRAINS	EACH	4			4	
* 63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	262.5	262.5			
* 63000035	BACK SIDE PROTECTION OF GUARDRAIL	FOOT	200.0		200.0		

* DENOTES "SPECIALTY ITEM"



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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: SHEET NO. 6 OF 10 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	4-HBR	WINNEBAGO	148	11
CONTRACT NO. 64A08			(ILLINOIS) FED. AID PROJECT	

FILE NAME = S:\Projects\2013\JOBS\13-57 ESCA PTB 169 ITEM 23 D2 VARIOUS PH I-17\NO 5 - 28th St over US 20\CADD\CADD Sheets\0264A08-sh1-500.dgn
 MODEL = Default
 PLOT DRIVER = IODT_PDF.plt

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE			
				NHPP 80% FED 20% STATE	80% FED 20% CITY	NHPP 80% FED 20% STATE	100% CITY ROCKFORD
				ROADWAY	NEW PATH / SIDEWALK	BRIDGE	BRIDGE
				0004	0028	0010	0010
				URBAN	URBAN	101-0188	101-0188
* 63100085	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	4	4			
* 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	4	4			
63200310	GUARDRAIL REMOVAL	FOOT	2,247	2,247			
63500105	DELINEATORS	EACH	14	14			
64200116	SHOULDER RUMBLE STRIPS, 16 INCH	FOOT	1,650	1,650			
64300450	IMPACT ATTENUATORS (NON-REDIRECTIVE), TEST LEVEL 3	EACH	2	2			
64301090	ATTENUATOR BASE	SQ YD	55	55			
66500105	WOVEN WIRE FENCE, 4'	FOOT	557	557			
66600105	FURNISHING AND ERECTING RIGHT OF WAY MARKERS	EACH	10	10			
* 66700305	PERMANENT SURVEY MARKERS, TYPE II	EACH	1	1			
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	6	6			
67100100	MOBILIZATION	L SUM	1	1			
70100207	TRAFFIC CONTROL AND PROTECTION, STANDARD 701402	EACH	2	2			

* DENOTES "SPECIALTY ITEM"



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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: SHEET NO. 7 OF 10 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	4-HBR	WINNEBAGO	148	12
CONTRACT NO. 64A08			ILLINOIS FED. AID PROJECT	

FILE NAME = S:\Projects\2013\JOBS\13-57 ESCA PTB 169 ITEM 23 D2 VARIOUS PH I-17\NO 5 - 28th St. over US 20\CADD\CADD Sheets\0264A08-shr-500.dgn
 MODEL = Default
 PLOT DRIVER = IODT_PDF.plt

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE			
				NHPP 80% FED 20% STATE	80% FED 20% CITY	NHPP 80% FED 20% STATE	100% CITY ROCKFORD
				ROADWAY	NEW PATH / SIDEWALK	BRIDGE	BRIDGE
				0004	0028	0010	0010
				URBAN	URBAN	101-0188	101-0188
70100800	TRAFFIC CONTROL AND PROTECTION, STANDARD 701401	L SUM	1	1			
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	11	11			
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	420	420			
70200100	NIGHTTIME WORK ZONE LIGHTING	L SUM	1	1			
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	13,629	13,629			
70400100	TEMPORARY CONCRETE BARRIER	FOOT	1,125.0	1,125.0			
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	850.0	850.0			
70600260	IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	2	2			
70600332	IMPACT ATTENUATORS, RELOCATE (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	2	2			
* 72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	4	4			
* 78009004	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	FOOT	9,540	9,540			
* 78009006	MODIFIED URETHANE PAVEMENT MARKING - LINE 6"	FOOT	600	600			
* 78200005	GUARDRAIL REFLECTORS, TYPE A	EACH	16	16			

* DENOTES "SPECIALTY ITEM"



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PLOT SCALE = 100.0000' / 1in.	CHECKED - MCV	REVISED -
PLOT DATE = 6/23/2020	DATE - 6/12/2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: SHEET NO. 8 OF 10 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	4-HBR	WINNEBAGO	148	13
CONTRACT NO. 64A08			ILLINOIS FED. AID PROJECT	

FILE NAME = S:\Projects\2013\JOBS\13-57 ESCA PTB 169 ITEM 23 D2 VARIOUS PH I-11\NO 5 - 26th St. over US 20\CADD\CADD Sheets\0264A08-sht-500.dgn
 MODEL = Default
 PLOT DRIVER = I:\DOT_PDF.plt

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE			
				NHPP 80% FED 20% STATE	80% FED 20% CITY	NHPP 80% FED 20% STATE	100% CITY ROCKFORD
				ROADWAY	NEW PATH / SIDEWALK	BRIDGE	BRIDGE
				0004	0028	0010	0010
				URBAN	URBAN	101-0188	101-0188
* 78200010	BARRIER WALL REFLECTORS, TYPE B	EACH	16	16			
* 78200011	BARRIER WALL REFLECTORS, TYPE C	EACH	158	158			
Z0004638	PAVEMENT BREAKING	SQ YD	1,134	1,134			
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1			
* Z0025505	PROPERTY MARKERS	EACH	40	40			
Z0046304	PIPE UNDERDRAINS FOR STRUCTURES 4"	FOOT	161			161	
* A2000114	TREE, ACER X FREEMANII AUTUMN BLAZE (AUTUMN BLAZE FREEMAN MAPLE), 1-3/4" CALIPER, BALLED AND BURLAPPED	EACH	22	22			
* A2002914	TREE, CELTIS OCCIDENTALIS (COMMON HACKBERRY), 1-3/4" CALIPER, BALLED AND BURLAPPED	EACH	21	21			
* A2005814	TREE, PLATANUS OCCIDENTALIS (SYCAMORE), 1-3/4" CALIPER, BALLED AND BURLAPPED	EACH	21	21			
* A2006514	TREE, QUERCUS BICOLOR (SWAMP WHITE OAK), 1-3/4" CALIPER, BALLED AND BURLAPPED	EACH	21	21			
* A2006814	TREE, QUERCUS MUEHLENBERGII (CHINKAPIN OAK), 1-3/4" CALIPER, BALLED AND BURLAPPED	EACH	21	21			
X0327980	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	1,087	1,087			
* X2500003	POWDER COATING OF BRIDGE FENCE RAILING	L SUM	1				1

* DENOTES "SPECIALTY ITEM"



USER NAME = F.Nelson	DESIGNED - FBN	REVISED -
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: SHEET NO. 9 OF 10 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	4-HBR	WINNEBAGO	148	14
CONTRACT NO. 64A08			ILLINOIS FED. AID PROJECT	

FILE NAME = S:\Projects\2013\JOBS\13-57 ESCA\PTB 169 ITEM 23 D2 VARIOUS PH I-11\NO 5 - 28th St over US 20\CADD\CADD Sheets\0264A08-sht-500.dgn
 MODEL = Default
 PLOT DRIVER = IODT_PDF.plt

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE			
				NHPP 80% FED 20% STATE	80% FED 20% CITY	NHPP 80% FED 20% STATE	100% CITY ROCKFORD
				ROADWAY	NEW PATH / SIDEWALK	BRIDGE	BRIDGE
				0004	0028	0010	0010
				URBAN	URBAN	101-0188	101-0188
X4021000	TEMPORARY ACCESS (PRIVATE ENTRANCE)	EACH	5	5			
X4022000	TEMPORARY ACCESS (COMMERCIAL ENTRANCE)	EACH	2	2			
* X5030290	STAINING CONCRETE STRUCTURES	SQ FT	1,274				1,274
* X6330735	STEEL PLATE BEAM GUARDRAIL ADJUSTMENT	FOOT	55		55		
X6650202	WOVEN WIRE FENCE REMOVAL	FOOT	845	845			
X7010216	TRAFFIC CONTROL AND PROTECTION, SPECIAL	L SUM	1	1			
X7010805	TRAFFIC CONTROL AND PROTECTION, STANDARD 701401 (SPECIAL)	L SUM	1	1			
∅ Z0076600	TRAINEES	HOUR	1,000	1,000			
X7030005	TEMPORARY PAVEMENT MARKING REMOVAL	SQ FT	5,333	5,333			
∅ Z0076604	TRAINEES - TRAINING PROGRAM GRADUATE	HOUR	1,000	1,000			

* DENOTES "SPECIALTY ITEM"

∅ 0042



USER NAME = FNeison	DESIGNED - FBN	REVISED -
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PLOT SCALE = 100.0000' / 1in.	CHECKED - MCV	REVISED -
PLOT DATE = 6/23/2020	DATE - 6/12/2020	REVISED -

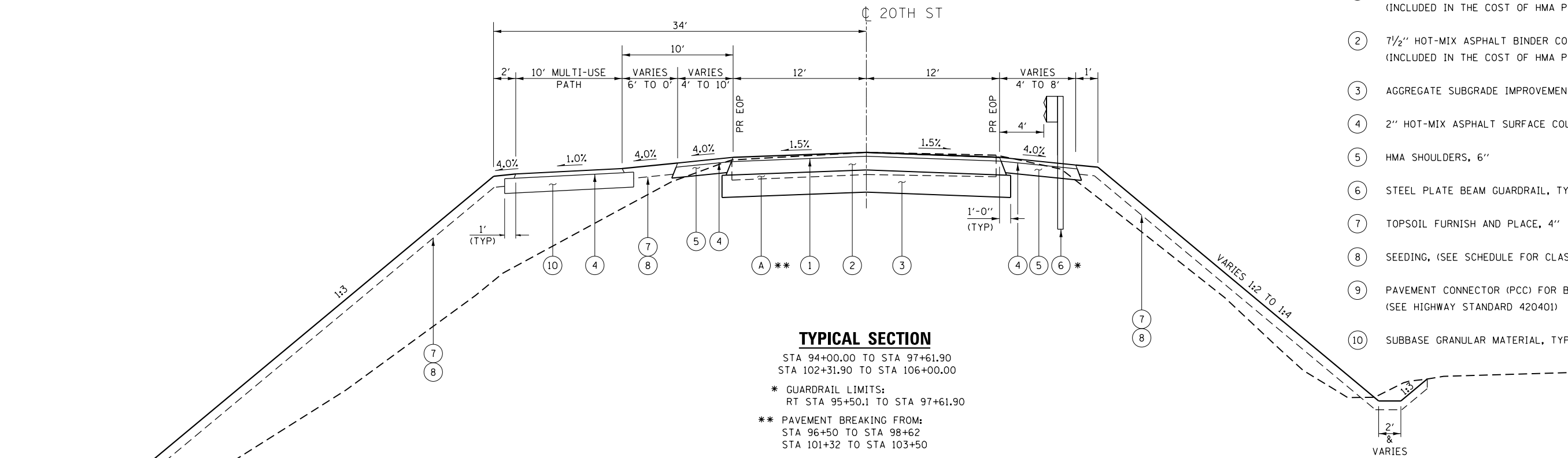
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES			
SCALE:	SHEET NO. 10 OF 10 SHEETS	STA.	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	4-HBR	WINNEBAGO	148	15
CONTRACT NO. 64A08				
ILLINOIS FED. AID PROJECT				

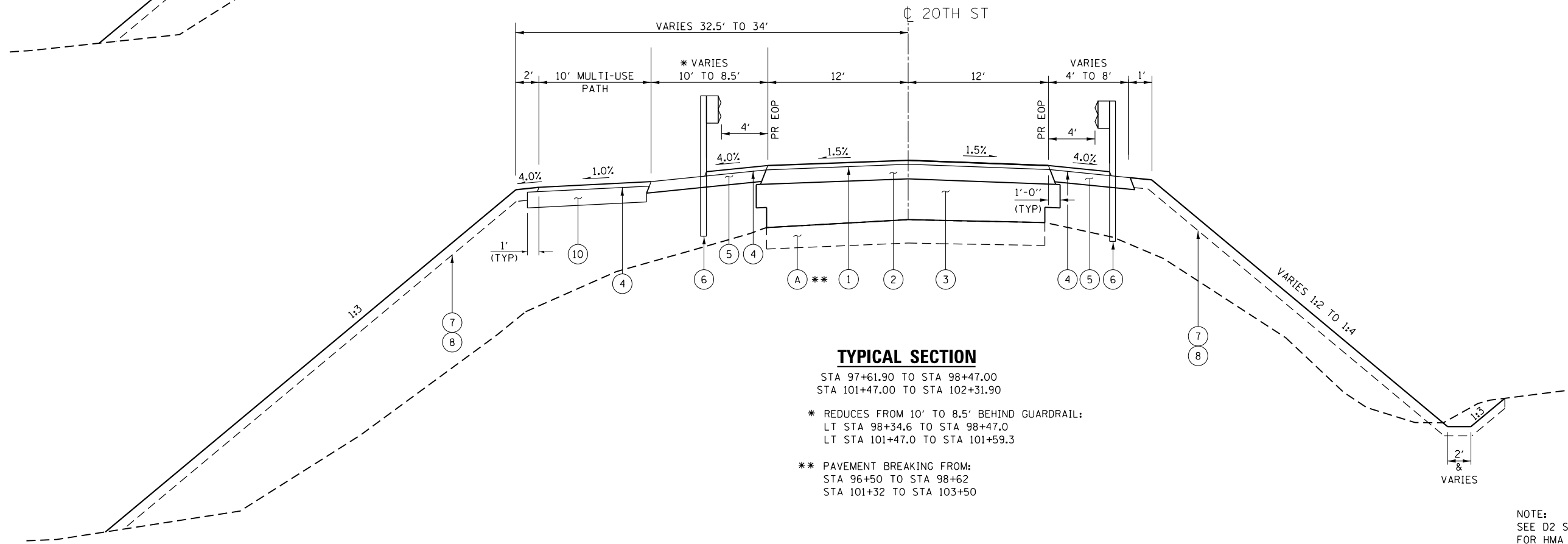
LEGEND

- Ⓐ EXISTING PAVEMENT - 8" HMA
10" AGG SUBBASE
- ① 2" HOT-MIX ASPHALT SURFACE COURSE, IL-9.5FG, MIX "D", N50
(INCLUDED IN THE COST OF HMA PAVT FD 9/2")
- ② 7/2" HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50
(INCLUDED IN THE COST OF HMA PAVT FD 9/2")
- ③ AGGREGATE SUBGRADE IMPROVEMENT (12" OR VARIES)
- ④ 2" HOT-MIX ASPHALT SURFACE COURSE, IL-9.5FG, MIX "C", N50
- ⑤ HMA SHOULDERS, 6"
- ⑥ STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS
- ⑦ TOPSOIL FURNISH AND PLACE, 4"
- ⑧ SEEDING, (SEE SCHEDULE FOR CLASS 1A OR 2A)
- ⑨ PAVEMENT CONNECTOR (PCC) FOR BRIDGE APPROACH SLAB
(SEE HIGHWAY STANDARD 420401)
- ⑩ SUBBASE GRANULAR MATERIAL, TYPE B 8"



TYPICAL SECTION

STA 94+00.00 TO STA 97+61.90
 STA 102+31.90 TO STA 106+00.00
 * GUARDRAIL LIMITS:
 RT STA 95+50.1 TO STA 97+61.90
 ** PAVEMENT BREAKING FROM:
 STA 96+50 TO STA 98+62
 STA 101+32 TO STA 103+50



TYPICAL SECTION

STA 97+61.90 TO STA 98+47.00
 STA 101+47.00 TO STA 102+31.90
 * REDUCES FROM 10' TO 8.5' BEHIND GUARDRAIL:
 LT STA 98+34.6 TO STA 98+47.0
 LT STA 101+47.0 TO STA 101+59.3
 ** PAVEMENT BREAKING FROM:
 STA 96+50 TO STA 98+62
 STA 101+32 TO STA 103+50

NOTE:
 SEE D2 STANDARDS 22.4 & 23.4
 FOR HMA SHOULDER DETAILS NOT TO SCALE

FILE NAME = S:\Projects\2013\JOBS\13-57 ESCA PTB 169 ITEM 23 D2 VARIOUS PH 1-11\WD 5 - 28th St over US 20\CADD\CADD Sheets\0264A08-sht-typical.dgn
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FILE NAME = 0264A08-sht-typical.dgn	DRAWN - RG	REVISED -
PLOT SCALE = 10.0000' / in.	CHECKED - MCV	REVISED -
PLOT DATE = 6/12/2020	DATE - 6/12/2020	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

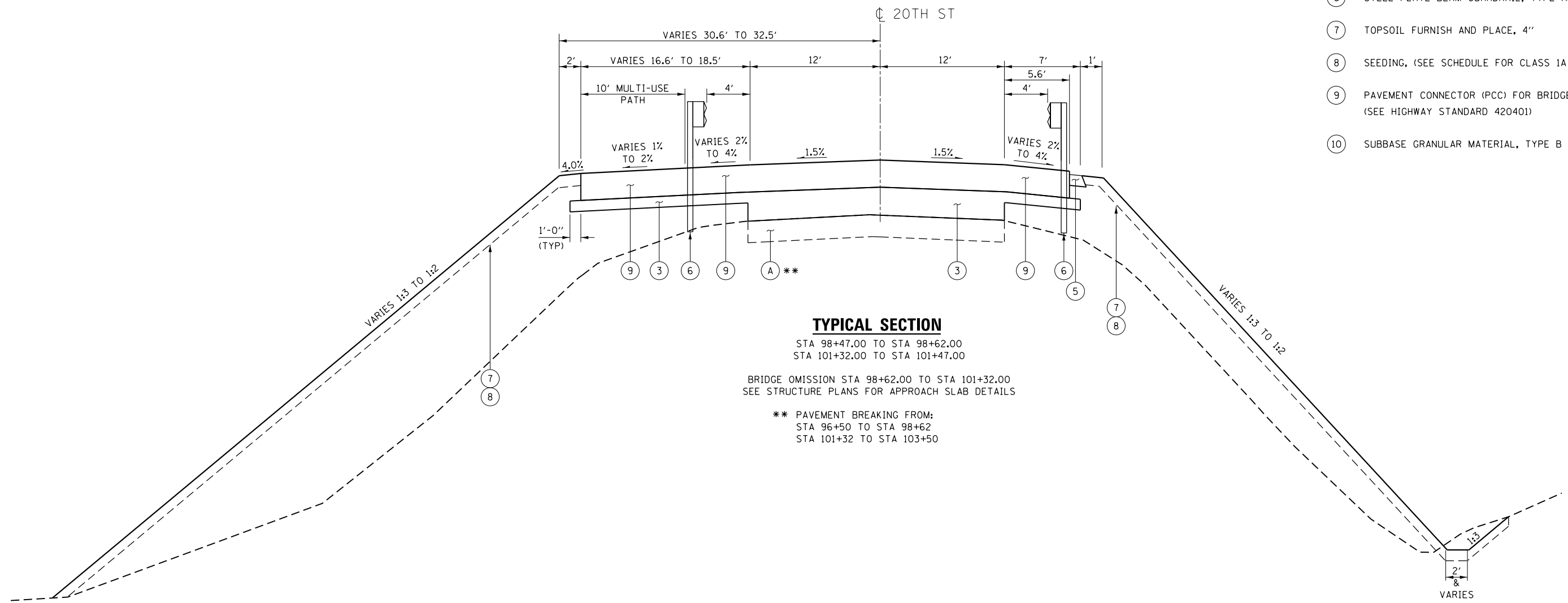
**TYPICAL SECTIONS
 20TH STREET**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	4-HBR	WINNEBAGO	148	16
CONTRACT NO. 64A08				
ILLINOIS FED. AID PROJECT				

LEGEND

- Ⓐ EXISTING PAVEMENT - 8" HMA
10" AGG SUBBASE
- ① 2" HOT-MIX ASPHALT SURFACE COURSE, IL-9.5FG, MIX "D", N50
(INCLUDED IN THE COST OF HMA PAVT FD 9 1/2")
- ② 7 1/2" HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50
(INCLUDED IN THE COST OF HMA PAVT FD 9 1/2")
- ③ AGGREGATE SUBGRADE IMPROVEMENT (12" OR VARIES)
- ④ 2" HOT-MIX ASPHALT SURFACE COURSE, IL-9.5FG, MIX "C", N50
- ⑤ HMA SHOULDERS, 6"
- ⑥ STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS
- ⑦ TOPSOIL FURNISH AND PLACE, 4"
- ⑧ SEEDING, (SEE SCHEDULE FOR CLASS 1A OR 2A)
- ⑨ PAVEMENT CONNECTOR (PCC) FOR BRIDGE APPROACH SLAB
(SEE HIGHWAY STANDARD 420401)
- ⑩ SUBBASE GRANULAR MATERIAL, TYPE B 8"



TYPICAL SECTION

STA 98+47.00 TO STA 98+62.00
STA 101+32.00 TO STA 101+47.00

BRIDGE OMISSION STA 98+62.00 TO STA 101+32.00
SEE STRUCTURE PLANS FOR APPROACH SLAB DETAILS

** PAVEMENT BREAKING FROM:
STA 96+50 TO STA 98+62
STA 101+32 TO STA 103+50

NOTE:
SEE D2 STANDARDS 22.4 & 23.4
FOR HMA SHOULDER DETAILS NOT TO SCALE

FILE NAME = S:\Projects\2013\JOBS\13-57 ESCA PTB 169 ITEM 23 D2 VARIOUS PH 1-11\WD 5 - 28th St over US 20\CADD\CADD Sheets\0264A08-sh-typical.dgn
 MODEL = Default
 PLOT DRIVER = 100T_PDF.plt



USER NAME = FNelson	DESIGNED - FBN	REVISED -
FILE NAME = D264A08-sh-typical.dgn	DRAWN - RG	REVISED -
PLOT SCALE = 10.0000' / 1"	CHECKED - MCV	REVISED -
PLOT DATE = 6/12/2020	DATE - 6/12/2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

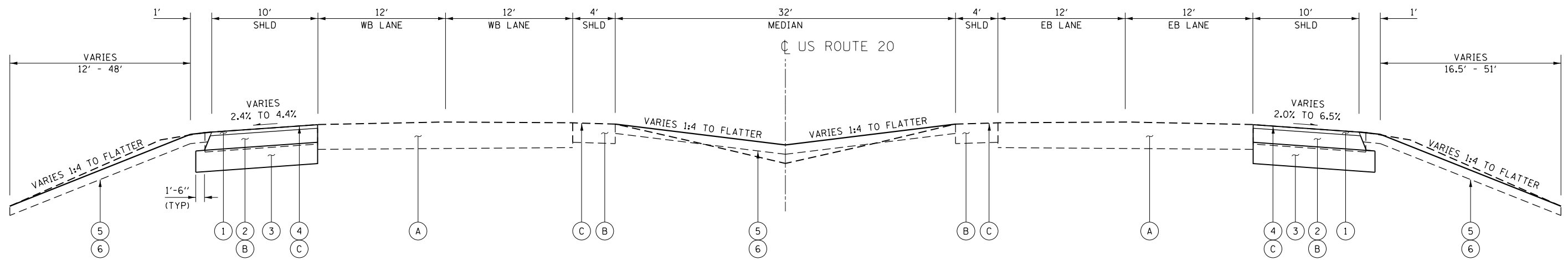
**TYPICAL SECTIONS
20TH STREET**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	4-HBR	WINNEBAGO	148	17
CONTRACT NO. 64A08				
ILLINOIS FED. AID PROJECT				

LEGEND

- (A) EXISTING PAVEMENT (6" HMA & 10" PCC)
- (B) EXISTING SHOULDER (14" HMA)
- (C) EXISTING RUMBLE STRIPS
- (1) 2" HOT-MIX ASPHALT SURFACE COURSE, IL-9.5FG, MIX "C", N50
- (2) HMA SHOULDERS, 6"
- (3) AGGREGATE SUBGRADE IMPROVEMENT (12")
- (4) SHOULDER RUMBLE STRIPS, 16 INCH
- (5) TOPSOIL FURNISH AND PLACE, 4"
- (6) SEEDING, CLASS 2A



TYPICAL SECTION

EB STA 1028+50.00 TO STA 1036+75.00
 WB STA 1029+75.00 TO STA 1038+00.00

FILE NAME = S:\Projects\2013\JOBS\13-57 ESCA PTB 169 ITEM 23 D2 VARIOUS PH 1-11\WD 5 - 28th St. over US 20\CADD\CADD Sheets\0264A08-sht-typical.dgn
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USER NAME = FNelson	DESIGNED - FBN	REVISED -
FILE NAME = 0264A08-sht-typical.dgn	DRAWN - RG	REVISED -
PLOT SCALE = 10.0000 ' / in.	CHECKED - MCV	REVISED -
PLOT DATE = 6/12/2020	DATE - 6/12/2020	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**TYPICAL SECTIONS
 US ROUTE 20**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	4-HBR	WINNEBAGO	148	18
CONTRACT NO. 64A08				
ILLINOIS FED. AID PROJECT				

NOT TO SCALE

FILE NAME = S:\Projects\2013 JOBS\13-57 ESCA PTB 169 ITEM 23 D2 VARIOUS PH 1-11\WD 5 - 28th St over US 20\CADD\CADD Sheets\0264A08-sht-SCH.dgn
 MODEL = Default
 PLOT DRIVER = IODT_PDF.plt

20100110 TREE REMOVAL (6 TO 15 UNITS DIAMETER)

UNIT	STA	OFFSET	LT / RT	REMARKS
20TH ST				
6	94+31	45	LT	
6	94+34	83	LT	
6	94+37	45	LT	
6	94+47	45	LT	
6	95+04	46	LT	
6	95+23	32	LT	
10	95+24	40	LT	
6	96+13	74	LT	
8	96+17	75	LT	
6	96+27	74	LT	
6	96+44	75	LT	
6	96+49	75	LT	
6	96+63	74	LT	
6	96+73	93	LT	
6	96+92	76	LT	
8	97+23	78	LT	
8	97+35	79	LT	
6	97+41	79	LT	
8	97+45	82	LT	
6	97+47	87	LT	
6	97+51	81	LT	
6	97+51	77	LT	
6	97+52	82	LT	
14	98+56	72	LT	
12	98+69	58	LT	
12	98+91	124	LT	
8	99+09	29	LT	
8	99+10	30	LT	
6	99+11	51	LT	
6	99+14	47	LT	
6	99+14	50	LT	
8	99+17	48	LT	
6	100+90	52	RT	
8	100+98	59	RT	
14	101+03	95	RT	
6	101+15	65	RT	
6	101+21	53	RT	
10	102+87	39	RT	
8	102+97	75	LT	
8	103+36	46	RT	
296	TOTAL			

20100210 TREE REMOVAL (OVER 15 UNITS DIAMETER)

UNIT	STA	OFFSET	LT / RT	REMARKS
20TH ST				
24	100+88	68	RT	
24	102+97	75	LT	
48	TOTAL			

20100500 TREE REMOVAL - ACRES

ACRE	STA	STA	LT / RT	AREA	REMARKS
20TH ST					
0.132	96+89	98+86	RT	5,760	CADD AREA
0.451	100+80	102+72	LT	19,625	CADD AREA
0.125	101+15	103+27	RT	5,430	CADD AREA
0.75	TOTAL				

EARTHWORK SCHEDULE

1	2	3	4	5	6
LOCATION	20200100 EARTH EXCAVATION (CU YD)	20400800 FURNISHED EXCAVATION (CU YD)	EARTH EXCAVATION ADJUSTED FOR SHRINKAGE (25%) (CU YD)	EMBANKMENT (CU YD)	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-) (CU YD)
20TH ST					
STA 94+00.00 TO STA 98+62.00	423	4,521	317	4,838	-4,521
BRIDGE OMISSION					
STA 101+32.00 TO STA 106+00.00	423	5,042	317	5,359	-5,042
ENTRANCE REMOVAL (NOT INCLUDED IN STATION RANGES)	189	-	142	0	142
US 20					
STA 1028+50.00 TO STA 1038+00.00	3,004	-1,063	2,253	1,190	1,063
TOTALS	4,039	8,500	3,029	11,387	-8,358

COLUMN 1 - LOCATION FROM PLANS.
 COLUMN 2 - CUT QUANTITIES FROM CROSS SECTIONS.
 COLUMN 3 - FURNISHED EXCAVATION QUANTITIES NEEDED FROM COLUMN 6.
 COLUMN 4 - ADJUSTED EARTH EXCAVATION QUANTITIES THAT ARE TO BE USED AS FILL MATERIAL IN EMBANKMENT.
 COLUMN 5 - FILL QUANTITIES FROM CROSS SECTIONS.
 COLUMN 6 - MATERIAL TO WASTE OR OFF-SITE MATERIAL (-) NEEDED. (-) REPRESENTS FURNISHED EXCAVATION.



USER NAME = FNelson	DESIGNED - FBN	REVISED -
FILE NAME = D264A08-sht-SCH.dgn	DRAWN - RG	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - MCV	REVISED -
PLOT DATE = 6/12/2020	DATE - 6/12/2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF QUANTITIES

SCALE: SHEET NO. 1 OF 13 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	4-HBR	WINNEBAGO	148	19
CONTRACT NO. 64A08				
ILLINOIS FED. AID PROJECT				

FILE NAME = S:\Projects\2013 JOBS\13-57 ESCA PTB 169 ITEM 23 D2 VARIOUS PH 1-11\WD 5 - 28th St. over US 20\CADD\CADD Sheets\0264A08-sht-SCH.dgn
 MODEL = Default
 PLOT DRIVER = IDDT_PDF.plt



USER NAME = FNelson	DESIGNED - FBN	REVISED -
FILE NAME = D264A08-sht-SCH.dgn	DRAWN - RG	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - MCV	REVISED -
PLOT DATE = 6/12/2020	DATE - 6/12/2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF QUANTITIES

SCALE: SHEET NO. 2 OF 13 SHEETS STA. TO STA.

F.A.P. RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	4-HBR	WINNEBAGO	148	20
CONTRACT NO. 64A08				
ILLINOIS FED. AID PROJECT				

21101615 TOPSOIL FURNISH AND PLACE, 4"

SO YD	STA	STA	LT/CL/RT	AREA	SLOPE FACTOR	ADJ AREA	REMARKS
20TH ST							
307.9	93+85	94+09	LT	2,629	1.054	2,771.0	SEEDING, CLASS 1A
271.2	94+38	95+34	RT	2,367	1.031	2,440.4	SEEDING, CLASS 1A
503.2	94+15	95+94	LT	4,297	1.054	4,529.0	SEEDING, CLASS 1A
22.5	94+25	95+26	LT	202	1.001	202.2	SEEDING, CLASS 2A
1,729.9	95+28	99+33	RT	13,926	1.118	15,569.3	SEEDING, CLASS 2A
251.3	95+28	99+00	RT	2,146	1.054	2,261.9	SEEDING, CLASS 2A
756.1	95+50	97+21	LT	6,456	1.054	6,804.6	SEEDING, CLASS 1A
112.9	95+60	97+62	LT	1,015	1.001	1,016.0	SEEDING, CLASS 2A
52.7	96+04	97+06	LT	450	1.054	474.3	SEEDING, CLASS 1A
1,515.3	97+21	99+00	LT	12,939	1.054	13,637.7	SEEDING, CLASS 2A
267.6	98+91	99+32	LT	2,154	1.118	2,408.2	SEEDING, CLASS 2A
352.3	99+00	99+42	LT	3,087	1.027	3,170.3	SEEDING, CLASS 2A
142.3	99+00	99+42	RT	1,215	1.054	1,280.6	SEEDING, CLASS 2A
292.4	100+59	100+95	LT	2,497	1.054	2,631.8	SEEDING, CLASS 2A
168.8	100+60	100+95	RT	1,441	1.054	1,518.8	SEEDING, CLASS 2A
232.5	100+67	101+03	LT	1,872	1.118	2,092.9	SEEDING, CLASS 2A
181.6	100+68	101+03	RT	1,462	1.118	1,634.5	SEEDING, CLASS 2A
1,447.5	100+95	102+71	LT	12,359	1.054	13,027.5	SEEDING, CLASS 2A
1,486.4	100+95	103+15	RT	12,691	1.054	13,377.5	SEEDING, CLASS 2A
95.5	102+32	103+96	LT	859	1.001	859.9	SEEDING, CLASS 2A
590.2	102+71	104+06	LT	5,040	1.054	5,312.2	SEEDING, CLASS 1A
5.9	103+18	103+36	LT	50	1.054	52.7	SEEDING, CLASS 1A
14.3	103+45	103+81	LT	122	1.054	128.6	SEEDING, CLASS 1A
13.0	103+97	104+26	LT	111	1.054	117.0	SEEDING, CLASS 1A
359.8	103+16	104+28	RT	3,072	1.054	3,237.9	SEEDING, CLASS 1A
83.1	104+36	105+12	RT	710	1.054	748.3	SEEDING, CLASS 1A
52.7	104+41	104+71	LT	450	1.054	474.3	SEEDING, CLASS 1A
14.5	104+51	105+15	LT	124	1.054	130.7	SEEDING, CLASS 2A
94.2	104+80	105+25	LT	804	1.054	847.4	SEEDING, CLASS 1A
65.3	105+28	106+00	RT	558	1.054	588.1	SEEDING, CLASS 1A
113.5	105+55	106+00	LT	969	1.054	1,021.3	SEEDING, CLASS 1A
17,602.9	TOTAL						
17,603	USE						

25000110 SEEDING, CLASS 1A

ACRE	STA	STA	LT/CL/RT	SEEDED AREA	SLOPE FACTOR	ADJ AREA	REMARKS
20TH ST							
0.064	93+85	94+09	LT	2,629	1.054	2,771.0	USE EROSION CONTR BLANKET
0.056	94+38	95+34	RT	2,367	1.031	2,440.4	USE EROSION CONTR BLANKET
0.104	94+15	95+94	LT	4,297	1.054	4,529.0	USE EROSION CONTR BLANKET
0.156	95+50	97+21	LT	6,456	1.054	6,804.6	USE EROSION CONTR BLANKET
0.011	96+04	97+06	LT	450	1.054	474.3	USE EROSION CONTR BLANKET
0.122	102+71	104+06	LT	5,040	1.054	5,312.2	USE EROSION CONTR BLANKET
0.001	103+18	103+36	LT	50	1.054	52.7	USE EROSION CONTR BLANKET
0.003	103+45	103+81	LT	122	1.054	128.6	USE EROSION CONTR BLANKET
0.003	103+97	104+26	LT	111	1.054	117.0	USE EROSION CONTR BLANKET
0.074	103+16	104+28	RT	3,072	1.054	3,237.9	USE EROSION CONTR BLANKET
0.017	104+36	105+12	RT	710	1.054	748.3	USE EROSION CONTR BLANKET
0.011	104+41	104+71	LT	450	1.054	474.3	USE EROSION CONTR BLANKET
0.019	104+80	105+25	LT	804	1.054	847.4	USE EROSION CONTR BLANKET
0.014	105+28	106+00	RT	558	1.054	588.1	USE EROSION CONTR BLANKET
0.023	105+55	106+00	LT	969	1.054	1,021.3	USE EROSION CONTR BLANKET
0.678	TOTAL						
0.75	USE						

25000210 SEEDING, CLASS 2A

ACRE	STA	STA	LT/CL/RT	SEEDED AREA	SLOPE FACTOR	ADJ AREA	REMARKS
20TH ST							
0.005	94+25	95+26	LT	202	1.001	202.2	USE EROSION CONTR BLANKET
0.357	95+28	99+33	RT	13,926	1.118	15,569.3	USE TURF REINF MAT
0.052	95+28	99+00	RT	2,146	1.054	2,261.9	USE EROSION CONTR BLANKET
0.023	95+60	97+62	LT	1,015	1.001	1,016.0	USE EROSION CONTR BLANKET
0.313	97+21	99+00	LT	12,939	1.054	13,637.7	USE EROSION CONTR BLANKET
0.055	98+91	99+32	LT	2,154	1.118	2,408.2	USE TURF REINF MAT
0.073	99+00	99+42	LT	3,087	1.027	3,170.3	USE EROSION CONTR BLANKET
0.029	99+00	99+42	RT	1,215	1.054	1,280.6	USE EROSION CONTR BLANKET
0.060	100+59	100+95	LT	2,497	1.054	2,631.8	USE EROSION CONTR BLANKET
0.035	100+60	100+95	RT	1,441	1.054	1,518.8	USE EROSION CONTR BLANKET
0.048	100+67	101+03	LT	1,872	1.118	2,092.9	USE TURF REINF MAT
0.038	100+68	101+03	RT	1,462	1.118	1,634.5	USE TURF REINF MAT
0.299	100+95	102+71	LT	12,359	1.054	13,027.5	USE EROSION CONTR BLANKET
0.307	100+95	103+15	RT	12,691	1.054	13,377.5	USE EROSION CONTR BLANKET
0.020	102+32	103+96	LT	859	1.001	859.9	USE EROSION CONTR BLANKET
0.003	104+51	105+15	LT	124	1.054	130.7	USE EROSION CONTR BLANKET
US 20							
0.211	1028+50	1032+93	RT	9,056	1.014	9,182.8	USE EROSION CONTR BLANKET
0.253	1029+75	1032+93	LT	10,869	1.014	11,021.2	USE EROSION CONTR BLANKET
0.017	1030+09	1031+00	RT	715	1.014	725.0	USE EROSION CONTR BLANKET
0.280	1031+00	1035+00	CL	12,193	1.002	12,217.4	USE EROSION CONTR BLANKET
0.213	1033+39	1036+75	RT	9,148	1.014	9,276.1	USE EROSION CONTR BLANKET
0.238	1033+39	1038+00	LT	10,204	1.014	10,346.9	USE EROSION CONTR BLANKET
0.030	1035+00	1036+51	LT	1,270	1.014	1,287.8	USE EROSION CONTR BLANKET
2.959	TOTAL						
3.00	USE						

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 MODEL = Default
 PLOT DRIVER = IDDT_PDF.plt

25000400 NITROGEN FERTILIZER NUTRIENT

POUND	STA	STA	LT/CL/RT	SEEDED AREA	SLOPE FACTOR	ADJ AREA	ACRES	LBS/ACRE	REMARKS
20TH ST									
5.8	93+85	94+09	LT	2,629	1.054	2,771.0	0.064	90	SEEDING, CLASS 1A
5.1	94+38	95+34	RT	2,367	1.031	2,440.4	0.057	90	SEEDING, CLASS 1A
9.4	94+15	95+94	LT	4,297	1.054	4,529.0	0.104	90	SEEDING, CLASS 1A
0.5	94+25	95+26	LT	202	1.001	202.2	0.005	90	SEEDING, CLASS 2A
32.2	95+28	99+33	RT	13,926	1.118	15,569.3	0.358	90	SEEDING, CLASS 2A
4.7	95+28	99+00	RT	2,146	1.054	2,261.9	0.052	90	SEEDING, CLASS 2A
14.1	95+50	97+21	LT	6,456	1.054	6,804.6	0.157	90	SEEDING, CLASS 1A
2.2	95+60	97+62	LT	1,015	1.001	1,016.0	0.024	90	SEEDING, CLASS 2A
1.0	96+04	97+06	LT	450	1.054	474.3	0.011	90	SEEDING, CLASS 1A
28.3	97+21	99+00	LT	12,939	1.054	13,637.7	0.314	90	SEEDING, CLASS 2A
5.0	98+91	99+32	LT	2,154	1.118	2,408.2	0.056	90	SEEDING, CLASS 2A
6.6	99+00	99+42	LT	3,087	1.027	3,170.3	0.073	90	SEEDING, CLASS 2A
2.7	99+00	99+42	RT	1,215	1.054	1,280.6	0.030	90	SEEDING, CLASS 2A
5.5	100+59	100+95	LT	2,497	1.054	2,631.8	0.061	90	SEEDING, CLASS 2A
3.2	100+60	100+95	RT	1,441	1.054	1,518.8	0.035	90	SEEDING, CLASS 2A
4.4	100+67	101+03	LT	1,872	1.118	2,092.9	0.049	90	SEEDING, CLASS 2A
3.4	100+68	101+03	RT	1,462	1.118	1,634.5	0.038	90	SEEDING, CLASS 2A
27.0	100+95	102+71	LT	12,359	1.054	13,027.5	0.300	90	SEEDING, CLASS 2A
27.7	100+95	103+15	RT	12,691	1.054	13,377.5	0.308	90	SEEDING, CLASS 2A
1.8	102+32	103+96	LT	859	1.001	859.9	0.020	90	SEEDING, CLASS 2A
11.0	102+71	104+06	LT	5,040	1.054	5,312.2	0.122	90	SEEDING, CLASS 1A
0.2	103+18	103+36	LT	50	1.054	52.7	0.002	90	SEEDING, CLASS 1A
0.3	103+45	103+81	LT	122	1.054	128.6	0.003	90	SEEDING, CLASS 1A
0.3	103+97	104+26	LT	111	1.054	117.0	0.003	90	SEEDING, CLASS 1A
6.8	103+16	104+28	RT	3,072	1.054	3,237.9	0.075	90	SEEDING, CLASS 1A
1.6	104+36	105+12	RT	710	1.054	748.3	0.018	90	SEEDING, CLASS 1A
1.0	104+41	104+71	LT	450	1.054	474.3	0.011	90	SEEDING, CLASS 1A
0.4	104+51	105+15	LT	124	1.054	130.7	0.004	90	SEEDING, CLASS 2A
1.8	104+80	105+25	LT	804	1.054	847.4	0.020	90	SEEDING, CLASS 1A
1.3	105+28	106+00	RT	558	1.054	588.1	0.014	90	SEEDING, CLASS 1A
2.2	105+55	106+00	LT	969	1.054	1,021.3	0.024	90	SEEDING, CLASS 1A
US 20									
19.0	1028+50	1032+93	RT	9,056	1.014	9,182.8	0.211	90	SEEDING, CLASS 2A
22.9	1029+75	1032+93	LT	10,869	1.014	11,021.2	0.254	90	SEEDING, CLASS 2A
1.5	1030+09	1031+00	RT	715	1.014	725.0	0.017	90	SEEDING, CLASS 2A
25.3	1031+00	1035+00	CL	12,193	1.002	12,217.4	0.281	90	SEEDING, CLASS 2A
19.2	1033+39	1036+75	RT	9,148	1.014	9,276.1	0.213	90	SEEDING, CLASS 2A
21.4	1033+39	1038+00	LT	10,204	1.014	10,346.9	0.238	90	SEEDING, CLASS 2A
2.7	1035+00	1036+51	LT	1,270	1.014	1,287.8	0.030	90	SEEDING, CLASS 2A
329.5	TOTAL								
330	USE								

25000500 PHOSPHORUS FERTILIZER NUTRIENT

POUND	STA	STA	LT/CL/RT	SEEDED AREA	SLOPE FACTOR	ADJ AREA	ACRES	LBS/ACRE	REMARKS
20TH ST									
5.8	93+85	94+09	LT	2,629	1.054	2,771.0	0.064	90	SEEDING, CLASS 1A
5.1	94+38	95+34	RT	2,367	1.031	2,440.4	0.057	90	SEEDING, CLASS 1A
9.4	94+15	95+94	LT	4,297	1.054	4,529.0	0.104	90	SEEDING, CLASS 1A
0.5	94+25	95+26	LT	202	1.001	202.2	0.005	90	SEEDING, CLASS 2A
32.2	95+28	99+33	RT	13,926	1.118	15,569.3	0.358	90	SEEDING, CLASS 2A
4.7	95+28	99+00	RT	2,146	1.054	2,261.9	0.052	90	SEEDING, CLASS 2A
14.1	95+50	97+21	LT	6,456	1.054	6,804.6	0.157	90	SEEDING, CLASS 1A
2.2	95+60	97+62	LT	1,015	1.001	1,016.0	0.024	90	SEEDING, CLASS 2A
1.0	96+04	97+06	LT	450	1.054	474.3	0.011	90	SEEDING, CLASS 1A
28.3	97+21	99+00	LT	12,939	1.054	13,637.7	0.314	90	SEEDING, CLASS 2A
5.0	98+91	99+32	LT	2,154	1.118	2,408.2	0.056	90	SEEDING, CLASS 2A
6.6	99+00	99+42	LT	3,087	1.027	3,170.3	0.073	90	SEEDING, CLASS 2A
2.7	99+00	99+42	RT	1,215	1.054	1,280.6	0.030	90	SEEDING, CLASS 2A
5.5	100+59	100+95	LT	2,497	1.054	2,631.8	0.061	90	SEEDING, CLASS 2A
3.2	100+60	100+95	RT	1,441	1.054	1,518.8	0.035	90	SEEDING, CLASS 2A
4.4	100+67	101+03	LT	1,872	1.118	2,092.9	0.049	90	SEEDING, CLASS 2A
3.4	100+68	101+03	RT	1,462	1.118	1,634.5	0.038	90	SEEDING, CLASS 2A
27.0	100+95	102+71	LT	12,359	1.054	13,027.5	0.300	90	SEEDING, CLASS 2A
27.7	100+95	103+15	RT	12,691	1.054	13,377.5	0.308	90	SEEDING, CLASS 2A
1.8	102+32	103+96	LT	859	1.001	859.9	0.020	90	SEEDING, CLASS 2A
11.0	102+71	104+06	LT	5,040	1.054	5,312.2	0.122	90	SEEDING, CLASS 1A
0.2	103+18	103+36	LT	50	1.054	52.7	0.002	90	SEEDING, CLASS 1A
0.3	103+45	103+81	LT	122	1.054	128.6	0.003	90	SEEDING, CLASS 1A
0.3	103+97	104+26	LT	111	1.054	117.0	0.003	90	SEEDING, CLASS 1A
6.8	103+16	104+28	RT	3,072	1.054	3,237.9	0.075	90	SEEDING, CLASS 1A
1.6	104+36	105+12	RT	710	1.054	748.3	0.018	90	SEEDING, CLASS 1A
1.0	104+41	104+71	LT	450	1.054	474.3	0.011	90	SEEDING, CLASS 1A
0.4	104+51	105+15	LT	124	1.054	130.7	0.004	90	SEEDING, CLASS 2A
1.8	104+80	105+25	LT	804	1.054	847.4	0.020	90	SEEDING, CLASS 1A
1.3	105+28	106+00	RT	558	1.054	588.1	0.014	90	SEEDING, CLASS 1A
2.2	105+55	106+00	LT	969	1.054	1,021.3	0.024	90	SEEDING, CLASS 1A
US 20									
19.0	1028+50	1032+93	RT	9,056	1.014	9,182.8	0.211	90	SEEDING, CLASS 2A
22.9	1029+75	1032+93	LT	10,869	1.014	11,021.2	0.254	90	SEEDING, CLASS 2A
1.5	1030+09	1031+00	RT	715	1.014	725.0	0.017	90	SEEDING, CLASS 2A
25.3	1031+00	1035+00	CL	12,193	1.002	12,217.4	0.281	90	SEEDING, CLASS 2A
19.2	1033+39	1036+75	RT	9,148	1.014	9,276.1	0.213	90	SEEDING, CLASS 2A
21.4	1033+39	1038+00	LT	10,204	1.014	10,346.9	0.238	90	SEEDING, CLASS 2A
2.7	1035+00	1036+51	LT	1,270	1.014	1,287.8	0.030	90	SEEDING, CLASS 2A
329.5	TOTAL								
330	USE								



USER NAME = FNelson	DESIGNED - FBN	REVISED -
FILE NAME = D264A08-sht-SCH.dgn	DRAWN - RG	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - MCV	REVISED -
PLOT DATE = 6/12/2020	DATE - 6/12/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

SCALE: SHEET NO. 3 OF 13 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	4-HBR	WINNEBAGO	148	21
CONTRACT NO. 64A08				
ILLINOIS FED. AID PROJECT				

25000600 POTASSIUM FERTILIZER NUTRIENT

POUND	STA	STA	LT/CL/RT	SEEDED AREA	SLOPE FACTOR	ADJ AREA	ACRES	LBS/ACRE	REMARKS
20TH ST									
5.8	93+85	94+09	LT	2,629	1.054	2,771.0	0.064	90	SEEDING, CLASS 1A
5.1	94+38	95+34	RT	2,367	1.031	2,440.4	0.057	90	SEEDING, CLASS 1A
9.4	94+15	95+94	LT	4,297	1.054	4,529.0	0.104	90	SEEDING, CLASS 1A
0.5	94+25	95+26	LT	202	1.001	202.2	0.005	90	SEEDING, CLASS 2A
32.2	95+28	99+33	RT	13,926	1.118	15,569.3	0.358	90	SEEDING, CLASS 2A
4.7	95+28	99+00	RT	2,146	1.054	2,261.9	0.052	90	SEEDING, CLASS 2A
14.1	95+50	97+21	LT	6,456	1.054	6,804.6	0.157	90	SEEDING, CLASS 1A
2.2	95+60	97+62	LT	1,015	1.001	1,016.0	0.024	90	SEEDING, CLASS 2A
1.0	96+04	97+06	LT	450	1.054	474.3	0.011	90	SEEDING, CLASS 1A
28.3	97+21	99+00	LT	12,939	1.054	13,637.7	0.314	90	SEEDING, CLASS 2A
5.0	98+91	99+32	LT	2,154	1.118	2,408.2	0.056	90	SEEDING, CLASS 2A
6.6	99+00	99+42	LT	3,087	1.027	3,170.3	0.073	90	SEEDING, CLASS 2A
2.7	99+00	99+42	RT	1,215	1.054	1,280.6	0.030	90	SEEDING, CLASS 2A
5.5	100+59	100+95	LT	2,497	1.054	2,631.8	0.061	90	SEEDING, CLASS 2A
3.2	100+60	100+95	RT	1,441	1.054	1,518.8	0.035	90	SEEDING, CLASS 2A
4.4	100+67	101+03	LT	1,872	1.118	2,092.9	0.049	90	SEEDING, CLASS 2A
3.4	100+68	101+03	RT	1,462	1.118	1,634.5	0.038	90	SEEDING, CLASS 2A
27.0	100+95	102+71	LT	12,359	1.054	13,027.5	0.300	90	SEEDING, CLASS 2A
27.7	100+95	103+15	RT	12,691	1.054	13,377.5	0.308	90	SEEDING, CLASS 2A
1.8	102+32	103+96	LT	859	1.001	859.9	0.020	90	SEEDING, CLASS 2A
11.0	102+71	104+06	LT	5,040	1.054	5,312.2	0.122	90	SEEDING, CLASS 1A
0.2	103+18	103+36	LT	50	1.054	52.7	0.002	90	SEEDING, CLASS 1A
0.3	103+45	103+81	LT	122	1.054	128.6	0.003	90	SEEDING, CLASS 1A
0.3	103+97	104+26	LT	111	1.054	117.0	0.003	90	SEEDING, CLASS 1A
6.8	103+16	104+28	RT	3,072	1.054	3,237.9	0.075	90	SEEDING, CLASS 1A
1.6	104+36	105+12	RT	710	1.054	748.3	0.018	90	SEEDING, CLASS 1A
1.0	104+41	104+71	LT	450	1.054	474.3	0.011	90	SEEDING, CLASS 1A
0.4	104+51	105+15	LT	124	1.054	130.7	0.004	90	SEEDING, CLASS 2A
1.8	104+80	105+25	LT	804	1.054	847.4	0.020	90	SEEDING, CLASS 1A
1.3	105+28	106+00	RT	558	1.054	588.1	0.014	90	SEEDING, CLASS 1A
2.2	105+55	106+00	LT	969	1.054	1,021.3	0.024	90	SEEDING, CLASS 1A
US 20									
19.0	1028+50	1032+93	RT	9,056	1.014	9,182.8	0.211	90	SEEDING, CLASS 2A
22.9	1029+75	1032+93	LT	10,869	1.014	11,021.2	0.254	90	SEEDING, CLASS 2A
1.5	1030+09	1031+00	RT	715	1.014	725.0	0.017	90	SEEDING, CLASS 2A
25.3	1031+00	1035+00	CL	12,193	1.002	12,217.4	0.281	90	SEEDING, CLASS 2A
19.2	1033+39	1036+75	RT	9,148	1.014	9,276.1	0.213	90	SEEDING, CLASS 2A
21.4	1033+39	1038+00	LT	10,204	1.014	10,346.9	0.238	90	SEEDING, CLASS 2A
2.7	1035+00	1036+51	LT	1,270	1.014	1,287.8	0.030	90	SEEDING, CLASS 2A
329.5	TOTAL								
330	USE								

25000750 MOWING

ACRE	STA	STA	LT/CL/RT	SEEDED AREA	SLOPE FACTOR	ADJ AREA	REMARKS
20TH ST							
0.064	93+85	94+09	LT	2,629	1.054	2,771.0	SEEDING, CLASS 1A
0.056	94+38	95+34	RT	2,367	1.031	2,440.4	SEEDING, CLASS 1A
0.104	94+15	95+94	LT	4,297	1.054	4,529.0	SEEDING, CLASS 1A
0.005	94+25	95+26	LT	202	1.001	202.2	SEEDING, CLASS 2A
0.357	95+28	99+33	RT	13,926	1.118	15,569.3	SEEDING, CLASS 2A
0.052	95+28	99+00	RT	2,146	1.054	2,261.9	SEEDING, CLASS 2A
0.156	95+50	97+21	LT	6,456	1.054	6,804.6	SEEDING, CLASS 1A
0.023	95+60	97+62	LT	1,015	1.001	1,016.0	SEEDING, CLASS 2A
0.011	96+04	97+06	LT	450	1.054	474.3	SEEDING, CLASS 1A
0.313	97+21	99+00	LT	12,939	1.054	13,637.7	SEEDING, CLASS 2A
0.055	98+91	99+32	LT	2,154	1.118	2,408.2	SEEDING, CLASS 2A
0.073	99+00	99+42	LT	3,087	1.027	3,170.3	SEEDING, CLASS 2A
0.029	99+00	99+42	RT	1,215	1.054	1,280.6	SEEDING, CLASS 2A
0.060	100+59	100+95	LT	2,497	1.054	2,631.8	SEEDING, CLASS 2A
0.035	100+60	100+95	RT	1,441	1.054	1,518.8	SEEDING, CLASS 2A
0.048	100+67	101+03	LT	1,872	1.118	2,092.9	SEEDING, CLASS 2A
0.038	100+68	101+03	RT	1,462	1.118	1,634.5	SEEDING, CLASS 2A
0.299	100+95	102+71	LT	12,359	1.054	13,027.5	SEEDING, CLASS 2A
0.307	100+95	103+15	RT	12,691	1.054	13,377.5	SEEDING, CLASS 2A
0.020	102+32	103+96	LT	859	1.001	859.9	SEEDING, CLASS 2A
0.122	102+71	104+06	LT	5,040	1.054	5,312.2	SEEDING, CLASS 1A
0.001	103+18	103+36	LT	50	1.054	52.7	SEEDING, CLASS 1A
0.003	103+45	103+81	LT	122	1.054	128.6	SEEDING, CLASS 1A
0.003	103+97	104+26	LT	111	1.054	117.0	SEEDING, CLASS 1A
0.074	103+16	104+28	RT	3,072	1.054	3,237.9	SEEDING, CLASS 1A
0.017	104+36	105+12	RT	710	1.054	748.3	SEEDING, CLASS 1A
0.011	104+41	104+71	LT	450	1.054	474.3	SEEDING, CLASS 1A
0.003	104+51	105+15	LT	124	1.054	130.7	SEEDING, CLASS 2A
0.019	104+80	105+25	LT	804	1.054	847.4	SEEDING, CLASS 1A
0.014	105+28	106+00	RT	558	1.054	588.1	SEEDING, CLASS 1A
0.023	105+55	106+00	LT	969	1.054	1,021.3	SEEDING, CLASS 1A
US 20							
0.211	1028+50	1032+93	RT	9,056	1.014	9,182.8	SEEDING, CLASS 2A
0.253	1029+75	1032+93	LT	10,869	1.014	11,021.2	SEEDING, CLASS 2A
0.017	1030+09	1031+00	RT	715	1.014	725.0	SEEDING, CLASS 2A
0.280	1031+00	1035+00	CL	12,193	1.002	12,217.4	SEEDING, CLASS 2A
0.213	1033+39	1036+75	RT	9,148	1.014	9,276.1	SEEDING, CLASS 2A
0.238	1033+39	1038+00	LT	10,204	1.014	10,346.9	SEEDING, CLASS 2A
0.030	1035+00	1036+51	LT	1,270	1.014	1,287.8	SEEDING, CLASS 2A
3.637	TOTAL						
3.75	USE						



USER NAME = FNelson	DESIGNED - FBN	REVISED -
FILE NAME = D264A08-shit-SCH.dgn	DRAWN - RG	REVISED -
PLOT SCALE = 20.0000 / in.	CHECKED - MCV	REVISED -
PLOT DATE = 6/12/2020	DATE - 6/12/2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF QUANTITIES

SCALE: SHEET NO. 4 OF 13 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	4-HBR	WINNEBAGO	148	22
CONTRACT NO. 64A08				
ILLINOIS FED. AID PROJECT				

FILE NAME = S:\Projects\2013 JOBS\13-57 ESCA PTB 169 ITEM 23 D2 VARIOUS PH 1-11\WD 5 - 20th St over US 20\CADD\CADD Sheets\0264A08-sht-SCH.dgn
 MODEL = Default
 PLOT DRIVER = IODT_PDF.plt

2510015 MULCH METHOD 2							
ACRE	STA	STA	LT/CL/RT	SEEDED AREA	SLOPE FACTOR	ADJ AREA	REMARKS
20TH ST							
0.064	93+85	94+09	LT	2,629	1.054	2,771.0	SEEDING, CLASS 1A
0.056	94+38	95+34	RT	2,367	1.031	2,440.4	SEEDING, CLASS 1A
0.104	94+15	95+94	LT	4,297	1.054	4,529.0	SEEDING, CLASS 1A
0.005	94+25	95+26	LT	202	1.001	202.2	SEEDING, CLASS 2A
0.357	95+28	99+33	RT	13,926	1.118	15,569.3	SEEDING, CLASS 2A
0.052	95+28	99+00	RT	2,146	1.054	2,261.9	SEEDING, CLASS 2A
0.156	95+50	97+21	LT	6,456	1.054	6,804.6	SEEDING, CLASS 1A
0.023	95+60	97+62	LT	1,015	1.001	1,016.0	SEEDING, CLASS 2A
0.011	96+04	97+06	LT	450	1.054	474.3	SEEDING, CLASS 1A
0.313	97+21	99+00	LT	12,939	1.054	13,637.7	SEEDING, CLASS 2A
0.055	98+91	99+32	LT	2,154	1.118	2,408.2	SEEDING, CLASS 2A
0.073	99+00	99+42	LT	3,087	1.027	3,170.3	SEEDING, CLASS 2A
0.029	99+00	99+42	RT	1,215	1.054	1,280.6	SEEDING, CLASS 2A
0.060	100+59	100+95	LT	2,497	1.054	2,631.8	SEEDING, CLASS 2A
0.035	100+60	100+95	RT	1,441	1.054	1,518.8	SEEDING, CLASS 2A
0.048	100+67	101+03	LT	1,872	1.118	2,092.9	SEEDING, CLASS 2A
0.038	100+68	101+03	RT	1,462	1.118	1,634.5	SEEDING, CLASS 2A
0.299	100+95	102+71	LT	12,359	1.054	13,027.5	SEEDING, CLASS 2A
0.307	100+95	103+15	RT	12,691	1.054	13,377.5	SEEDING, CLASS 2A
0.020	102+32	103+96	LT	859	1.001	859.9	SEEDING, CLASS 2A
0.122	102+71	104+06	LT	5,040	1.054	5,312.2	SEEDING, CLASS 1A
0.001	103+18	103+36	LT	50	1.054	52.7	SEEDING, CLASS 1A
0.003	103+45	103+81	LT	122	1.054	128.6	SEEDING, CLASS 1A
0.003	103+97	104+26	LT	111	1.054	117.0	SEEDING, CLASS 1A
0.074	103+16	104+28	RT	3,072	1.054	3,237.9	SEEDING, CLASS 1A
0.017	104+36	105+12	RT	710	1.054	748.3	SEEDING, CLASS 1A
0.011	104+41	104+71	LT	450	1.054	474.3	SEEDING, CLASS 1A
0.003	104+51	105+15	LT	124	1.054	130.7	SEEDING, CLASS 2A
0.019	104+80	105+25	LT	804	1.054	847.4	SEEDING, CLASS 1A
0.014	105+28	106+00	RT	558	1.054	588.1	SEEDING, CLASS 1A
0.023	105+55	106+00	LT	969	1.054	1,021.3	SEEDING, CLASS 1A
US 20							
0.211	1028+50	1032+93	RT	9,056	1.014	9,182.8	SEEDING, CLASS 2A
0.253	1029+75	1032+93	LT	10,869	1.014	11,021.2	SEEDING, CLASS 2A
0.017	1030+09	1031+00	RT	715	1.014	725.0	SEEDING, CLASS 2A
0.280	1031+00	1035+00	CL	12,193	1.002	12,217.4	SEEDING, CLASS 2A
0.213	1033+39	1036+75	RT	9,148	1.014	9,276.1	SEEDING, CLASS 2A
0.238	1033+39	1038+00	LT	10,204	1.014	10,346.9	SEEDING, CLASS 2A
0.030	1035+00	1036+51	LT	1,270	1.014	1,287.8	SEEDING, CLASS 2A
3.637	TOTAL						
3.75	USE						

25100630 EROSION CONTROL BLANKET							
SO YD	STA	STA	LT/CL/RT	AREA	SLOPE FACTOR	ADJ AREA	REMARKS
20TH ST							
307.9	93+85	94+09	LT	2,629	1.054	2,771.0	SEEDING, CLASS 1A
271.2	94+38	95+34	RT	2,367	1.031	2,440.4	SEEDING, CLASS 1A
503.2	94+15	95+94	LT	4,297	1.054	4,529.0	SEEDING, CLASS 1A
22.5	94+25	95+26	LT	202	1.001	202.2	SEEDING, CLASS 2A
756.1	95+50	97+21	LT	6,456	1.054	6,804.6	SEEDING, CLASS 1A
251.3	95+28	99+00	RT	2,146	1.054	2,261.9	SEEDING, CLASS 2A
112.9	95+60	97+62	LT	1,015	1.001	1,016.0	SEEDING, CLASS 2A
52.7	96+04	97+06	LT	450	1.054	474.3	SEEDING, CLASS 1A
1,515.3	97+21	99+00	LT	12,939	1.054	13,637.7	SEEDING, CLASS 2A
352.3	99+00	99+42	LT	3,087	1.027	3,170.3	SEEDING, CLASS 2A
142.3	99+00	99+42	RT	1,215	1.054	1,280.6	SEEDING, CLASS 2A
292.4	100+59	100+95	LT	2,497	1.054	2,631.8	SEEDING, CLASS 2A
168.8	100+60	100+95	RT	1,441	1.054	1,518.8	SEEDING, CLASS 2A
1,447.5	100+95	102+71	LT	12,359	1.054	13,027.5	SEEDING, CLASS 2A
1,486.4	100+95	103+15	RT	12,691	1.054	13,377.5	SEEDING, CLASS 2A
95.5	102+32	103+96	LT	859	1.001	859.9	SEEDING, CLASS 2A
590.2	102+71	104+06	LT	5,040	1.054	5,312.2	SEEDING, CLASS 1A
5.9	103+18	103+36	LT	50	1.054	52.7	SEEDING, CLASS 1A
14.3	103+45	103+81	LT	122	1.054	128.6	SEEDING, CLASS 1A
13.0	103+97	104+26	LT	111	1.054	117.0	SEEDING, CLASS 1A
359.8	103+16	104+28	RT	3,072	1.054	3,237.9	SEEDING, CLASS 1A
83.1	104+36	105+12	RT	710	1.054	748.3	SEEDING, CLASS 1A
52.7	104+41	104+71	LT	450	1.054	474.3	SEEDING, CLASS 1A
14.5	104+51	105+15	LT	124	1.054	130.7	SEEDING, CLASS 2A
94.2	104+80	105+25	LT	804	1.054	847.4	SEEDING, CLASS 1A
65.3	105+28	106+00	RT	558	1.054	588.1	SEEDING, CLASS 1A
113.5	105+55	106+00	LT	969	1.054	1,021.3	SEEDING, CLASS 1A
US 20							
1,020.3	1028+50	1032+93	RT	9,056	1.014	9,182.8	SEEDING, CLASS 2A
1,224.6	1029+75	1032+93	LT	10,869	1.014	11,021.2	SEEDING, CLASS 2A
80.6	1030+09	1031+00	RT	715	1.014	725.0	SEEDING, CLASS 2A
1,357.5	1031+00	1035+00	CL	12,193	1.002	12,217.4	SEEDING, CLASS 2A
1,030.7	1033+39	1036+75	RT	9,148	1.014	9,276.1	SEEDING, CLASS 2A
1,149.7	1033+39	1038+00	LT	10,204	1.014	10,346.9	SEEDING, CLASS 2A
143.1	1035+00	1036+51	LT	1,270	1.014	1,287.8	SEEDING, CLASS 2A
15,191.3	TOTAL						
15,192	USE						



USER NAME = FNelson	DESIGNED - FBN	REVISED -
FILE NAME = D264A08-sht-SCH.dgn	DRAWN - RG	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - MCV	REVISED -
PLOT DATE = 6/12/2020	DATE - 6/12/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

SCALE: SHEET NO. 5 OF 13 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	4-HBR	WINNEBAGO	148	23
CONTRACT NO. 64A08				
ILLINOIS FED. AID PROJECT				

SO YD	STA	STA	LT/CL/RT	AREA	SLOPE FACTOR	ADJ AREA	REMARKS
25100900 TURF REINFORCEMENT MAT							
20TH ST							
1,729.9	95+28	99+33	RT	13,926	1.118	15,569.3	
267.6	98+91	99+32	LT	2,154	1.118	2,408.2	
232.5	100+67	101+03	LT	1,872	1.118	2,092.9	
181.6	100+68	101+03	RT	1,462	1.118	1,634.5	
2,411.6	TOTAL						
2,412	USE						

POUND	STA	STA	LT/CL/RT	SEEDED AREA	SLOPE FACTOR	ADJ AREA	ACRES	LBS/ACRE	REMARKS
28000250 TEMPORARY EROSION CONTROL SEEDING									
20TH ST									
6.4	93+85	94+09	LT	2,629	1.054	2,771.0	0.064	100	USE EROSION CONTR BLANKET
5.7	94+38	95+34	RT	2,367	1.031	2,440.4	0.057	100	USE EROSION CONTR BLANKET
10.4	94+15	95+94	LT	4,297	1.054	4,529.0	0.104	100	USE EROSION CONTR BLANKET
0.5	94+25	95+26	LT	202	1.001	202.2	0.005	100	USE EROSION CONTR BLANKET
35.8	95+28	99+33	RT	13,926	1.118	15,569.3	0.358	100	USE TURF REINF MAT
5.2	95+28	99+00	RT	2,146	1.054	2,261.9	0.052	100	USE EROSION CONTR BLANKET
15.7	95+50	97+21	LT	6,456	1.054	6,804.6	0.157	100	USE EROSION CONTR BLANKET
2.4	95+60	97+62	LT	1,015	1.001	1,016.0	0.024	100	USE EROSION CONTR BLANKET
1.1	96+04	97+06	LT	450	1.054	474.3	0.011	100	USE EROSION CONTR BLANKET
31.4	97+21	99+00	LT	12,939	1.054	13,637.7	0.314	100	USE EROSION CONTR BLANKET
5.6	98+91	99+32	LT	2,154	1.118	2,408.2	0.056	100	USE TURF REINF MAT
7.3	99+00	99+42	LT	3,087	1.027	3,170.3	0.073	100	USE EROSION CONTR BLANKET
3.0	99+00	99+42	RT	1,215	1.054	1,280.6	0.030	100	USE EROSION CONTR BLANKET
6.1	100+59	100+95	LT	2,497	1.054	2,631.8	0.061	100	USE EROSION CONTR BLANKET
3.5	100+60	100+95	RT	1,441	1.054	1,518.8	0.035	100	USE EROSION CONTR BLANKET
4.9	100+67	101+03	LT	1,872	1.118	2,092.9	0.049	100	USE TURF REINF MAT
3.8	100+68	101+03	RT	1,462	1.118	1,634.5	0.038	100	USE TURF REINF MAT
30.0	100+95	102+71	LT	12,359	1.054	13,027.5	0.300	100	USE EROSION CONTR BLANKET
30.8	100+95	103+15	RT	12,691	1.054	13,377.5	0.308	100	USE EROSION CONTR BLANKET
2.0	102+32	103+96	LT	859	1.001	859.9	0.020	100	USE EROSION CONTR BLANKET
12.2	102+71	104+06	LT	5,040	1.054	5,312.2	0.122	100	USE EROSION CONTR BLANKET
0.2	103+18	103+36	LT	50	1.054	52.7	0.002	100	USE EROSION CONTR BLANKET
0.3	103+45	103+81	LT	122	1.054	128.6	0.003	100	USE EROSION CONTR BLANKET
0.3	103+97	104+26	LT	111	1.054	117.0	0.003	100	USE EROSION CONTR BLANKET
7.5	103+16	104+28	RT	3,072	1.054	3,237.9	0.075	100	USE EROSION CONTR BLANKET
1.8	104+36	105+12	RT	710	1.054	748.3	0.018	100	USE EROSION CONTR BLANKET
1.1	104+41	104+71	LT	450	1.054	474.3	0.011	100	USE EROSION CONTR BLANKET
0.4	104+51	105+15	LT	124	1.054	130.7	0.004	100	USE EROSION CONTR BLANKET
2.0	104+80	105+25	LT	804	1.054	847.4	0.020	100	USE EROSION CONTR BLANKET
1.4	105+28	106+00	RT	558	1.054	588.1	0.014	100	USE EROSION CONTR BLANKET
2.4	105+55	106+00	LT	969	1.054	1,021.3	0.024	100	USE EROSION CONTR BLANKET
US 20									
21.1	1028+50	1032+93	RT	9,056	1.014	9,182.8	0.211	100	USE EROSION CONTR BLANKET
25.4	1029+75	1032+93	LT	10,869	1.014	11,021.2	0.254	100	USE EROSION CONTR BLANKET
1.7	1030+09	1031+00	RT	715	1.014	725.0	0.017	100	USE EROSION CONTR BLANKET
28.1	1031+00	1035+00	CL	12,193	1.002	12,217.4	0.281	100	USE EROSION CONTR BLANKET
21.3	1033+39	1036+75	RT	9,148	1.014	9,276.1	0.213	100	USE EROSION CONTR BLANKET
23.8	1033+39	1038+00	LT	10,204	1.014	10,346.9	0.238	100	USE EROSION CONTR BLANKET
3.0	1035+00	1036+51	LT	1,270	1.014	1,287.8	0.030	100	USE EROSION CONTR BLANKET
365.6	TOTAL								
366	USE								

FOOT	STA	ELEV	STA	ELEV	LT / RT	NO.	REMARKS
28000305 TEMPORARY DITCH CHECKS							
20TH ST							
150	95+50	792.90	98+50	779.50	RT	10	
24	101+50	778.70	103+50	782.70	RT	2	
US 20							
37	1028+50	768.67	1031+89	769.90	RT	1	
11	1029+75	766.32	1031+89	767.54	LT	1	
25	1034+00	776.67	1036+75	783.81	RT	2	
25	1034+00	776.59	1038+00	788.01	LT	3	
272	TOTAL						

FOOT	STA	OFFSET	STA	OFFSET	LT / RT	REMARKS
28000400 PERIMETER EROSION BARRIER						
20TH ST						
38	93+85	122.0	94+23	122.0	LT	
29	94+23	122.0	94+50	113.0	LT	
14	94+83	71.9	94+83	58.0	LT	
15	94+83	58.0	94+98	58.0	LT	
25	94+98	58.0	95+22	50.7	LT	
23	95+22	50.7	95+44	56.1	LT	
33	95+44	56.1	95+75	68.2	LT	
20	95+75	68.2	95+90	81.4	LT	
4	95+90	81.4	95+94	81.3	LT	
47	96+04	81.9	96+50	89.5	LT	
52	96+50	89.5	97+00	103.5	LT	
6	97+00	103.5	97+06	102.0	LT	
4	97+18	99.1	97+22	97.9	LT	
79	97+22	97.9	98+00	100.0	LT	
53	98+00	100.0	98+51	115.3	LT	
38	98+51	115.3	98+88	121.6	LT	
61	101+20	171.8	101+32	112.2	LT	
120	101+32	112.2	102+50	91.3	LT	
155	102+50	91.3	104+00	50.8	LT	
14	104+00	50.8	104+06	37.6	LT	
830	TOTAL					



USER NAME = FNelson	DESIGNED - FBN	REVISED -
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PLOT DATE = 6/12/2020	DATE - 6/12/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

SCALE: SHEET NO. 6 OF 13 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	4-HBR	WINNEBAGO	148	24
CONTRACT NO. 64A08				
ILLINOIS FED. AID PROJECT				

FILE NAME = S:\Projects\2013 JOBS\13-57 ESCA PTB 169 ITEM 23 D2 VARIOUS PH 1-11\WD 5 - 20th St over US 20\CADD\CADD Sheets\0264A08-sht-SCH.dgn
 MODEL = Default
 PLOT DRIVER = IDDT_PDF.plt

28000500 INLET AND PIPE PROTECTION				
EACH	STA	OFFSET	LT / RT	REMARKS
20TH ST				
1	94+40	69	LT	
1	95+00	42	RT	
1	105+00	30	RT	
US 20				
1	1031+89	73	RT	
1	1033+84	85	LT	
1	1033+88	81	RT	
6	TOTAL			

28100105 STONE RIPRAP, CLASS A3							
SO YD	STA	OFFSET	LT / RT	WIDTH 1 (FOOT)	WIDTH 2 (FOOT)	LENGTH (FOOT)	REMARKS
US 20							
125.0	1031+85.0	103.0	LT				CADD AREA 33" & 48" COMBINED AREA
45.0	1031+97.0	94.0	RT				CADD AREA 33" & 36" COMBINED AREA
170.0	TOTAL						
170	USE						

28200200 FILTER FABRIC							
SO YD	STA	OFFSET	LT / RT	WIDTH 1 (FOOT)	WIDTH 2 (FOOT)	LENGTH (FOOT)	REMARKS
US 20							
125.0	1031+85.0	103.0	LT				CADD AREA 33" & 48" COMBINED AREA
45.0	1031+97.0	94.0	RT				CADD AREA 33" & 36" COMBINED AREA
170.0	TOTAL						
170	USE						

42400200 PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH					
SO FT	STA	OFFSET	WIDTH	SO FT	REMARKS
20TH ST					
209.0	94+72.2	LT	8.8	209.0	CADD AREA
26.4	103+40.6	LT	8.5	26.4	CADD AREA
177.0	104+75.7	LT	9.8	177.0	CADD AREA
412.4	TOTAL				
413	USE				

44000100 PAVEMENT REMOVAL					
SO YD	STA	STA	WIDTH	SO FT	REMARKS
20TH ST					
765.8	94+00.0	96+50.0	24.0	6,892.2	CADD AREA
825.5	103+50.0	106+00.0	24.0	7,429.8	CADD AREA
1,591.3	TOTAL				
1,592	USE				

44000200 DRIVEWAY PAVEMENT REMOVAL					
SO YD	STA	OFFSET	WIDTH	SO FT	REMARKS
20TH ST					
32.2	104+31.8	RT	8.2	289.4	CADD AREA
51.0	105+19.2	RT	17.0	458.9	CADD AREA
83.2	TOTAL				
84	USE				

44000600 SIDEWALK REMOVAL					
SO FT	STA	OFFSET	WIDTH	SO FT	REMARKS
20TH ST					
46.6	94+72.4	LT	3.0	46.6	CADD AREA
160.2	104+75.3	LT	17.0	160.2	CADD AREA
206.8	TOTAL				
207	USE				



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

SCALE: SHEET NO. 7 OF 13 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	4-HBR	WINNEBAGO	148	25
CONTRACT NO. 64A08				
ILLINOIS FED. AID PROJECT				

FILE NAME = S:\Projects\2013 JOBS\13-57 ESCA PTB 169 ITEM 23 D2 VARIOUS PH 1-11\WD 5 - 28th St over US 20\CADD\CADD Sheets\0264A08-sht-SCH.dgn
 MODEL = Default
 PLOT DRIVER = IODT_PDF.plt

44004000 PAVED DITCH REMOVAL						
FOOT	STA	STA	LT/RT	OFFSET	FOOT	
US 20						
90.0	1032+70.0	1033+60.0	LT	61.3	90.0	
99.0	1032+65.0	1033+64.0	RT	62.4	99.0	
189.0	TOTAL					
189	USE					

44004250 PAVED SHOULDER REMOVAL						
SO YD	STA	STA	LT / RT	WIDTH	SO FT	REMARKS
US 20						
916.7	1028+50.0	1036+75.0	RT	10.0	8,250.0	
962.5	1029+75.0	1038+00.0	LT	10.5	8,662.5	
1,879.2	TOTAL					
1,880	USE					

50104400 CONCRETE HEADWALL REMOVAL						
EACH	STA	OFFSET	LT / RT	REMARKS		
US 20						
1	1031+89	73	LT			
1	1031+89	67	RT			
1	1032+66	72	RT			
1	1032+70	70	LT			
1	1033+60	69	LT			
1	1033+65	72	RT			
6	TOTAL					

50105220 PIPE CULVERT REMOVAL						
FOOT	STA	STA	LT / RT	REMARKS		
US 20						
99	1032+65	1033+64	RT	36"		
91	1032+70	1033+60	LT	36"		
190	TOTAL					

542A1081 PIPE CULVERTS, CLASS A, TYPE 2 36"						
FOOT	STA	OFFSET	STA	OFFSET	LT / RT	
US 20						
150.5	1032+37.7	81	1033+87.8	90.9	RT	
150.5	TOTAL					
151	USE					

542A1093 PIPE CULVERTS, CLASS A, TYPE 2 48"						
FOOT	STA	OFFSET	STA	OFFSET	LT / RT	REMARKS
US 20						
147.8	1032+36.4	97.8	1033+83.7	85.5	LT	
147.8	TOTAL					
148	USE					

542D0220 PIPE CULVERTS, CLASS D, TYPE 1 15"						
FOOT	STA	OFFSET	STA	OFFSET	LT / RT	REMARKS
20TH ST						
32.7	94+40.3	68.8	94+40.3	101.5	LT	PE
44.0	95+00.0	41.3	95+44.0	41.3	RT	PE
39.2	104+99.9	29.6	105+39.1	30.3	RT	PE
115.9	TOTAL					
116.0	USE					

54248510 CONCRETE COLLAR							
CU YD	STA	OFFSET	LT / RT	SO FT	FT	CU FT	REMARKS
20TH ST							
1.1	1031+89.0	73	RT	15.1	2.0	30.2	
1.1	1031+89.0	80	LT	15.1	2.0	30.2	
2.2	TOTAL						

54260315 TRAVERSABLE PIPE GRATE FOR CONCRETE END SECTION						
FOOT	STA	OFFSET	LT / RT	REMARKS		
US 20						
15.8	1031+89	73	RT	33" - STD	542311	
15.8	1031+89	80	LT	33" - STD	542312	
25.8	1032+38	91	RT	36" - D2 STD		
46.6	1032+36	98	LT	48" - D2 STD		
25.8	1033+88	81	RT	36" - D2 STD		
46.6	1033+84	85	LT	48" - D2 STD		
177	TOTAL					

54260715 SLOPED METAL END SECTION WITH GRATE, STANDARD 542411, 15", 1:6				
EACH	STA	OFFSET	LT / RT	REMARKS
20TH ST				
1	105+00	30	RT	
1	105+39	30	RT	
2	TOTAL			

54261433 CONCRETE END SECTION, STANDARD 542001, 33", 1:4				
EACH	STA	OFFSET	LT / RT	REMARKS
US 20				
1	1031+89	73	RT	
1	1031+89	80	LT	
2	TOTAL			

54261636 CONCRETE END SECTION, STANDARD 542001, 36", 1:6				
EACH	STA	OFFSET	LT / RT	REMARKS
US 20				
1	1032+38	91	RT	
1	1033+88	81	RT	
2	TOTAL			



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

SCALE: SHEET NO. 8 OF 13 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	4-HBR	WINNEBAGO	148	26
CONTRACT NO. 64A08				
ILLINOIS FED. AID PROJECT				

FILE NAME = S:\Projects\2013\JOBS\13-57 ESCA PTB 169 ITEM 23 D2 VARIOUS PH 1-11\1100 5 - 28th St over US 20\CADD\CADD Sheets\0264A08-sht-SCH.dgn
 MODEL = Default
 PLOT DRIVER = IODT_PDF.plt

54261648 CONCRETE END SECTION, STANDARD 542001, 48", 1:6				
EACH	STA	OFFSET	LT / RT	REMARKS
	US 20			
1	1032+36	98	LT	
1	1033+84	86	LT	
2	TOTAL			

63000035 BACK SIDE PROTECTION OF GUARDRAIL				
FOOT	STA	STA	LT / RT	REMARKS
	20TH ST			
99.4	97+62.6	98+62.0	LT	
99.9	101+32.0	102+31.9	LT	
200.0	TOTAL			

63500105 DELINEATORS				
EACH	STA	OFFSET	LT / RT	REMARKS
	20TH STREET			
1	95+00	42	RT	END SECTION
1	95+44	40	RT	END SECTION
1	95+50	17	RT	GUARDRAIL
1	97+63	17	LT	GUARDRAIL
1	102+31	17	RT	GUARDRAIL
1	102+31	17	LT	GUARDRAIL
1	105+00	30	RT	END SECTION
1	105+39	30	RT	END SECTION

54262715 METAL FLARED END SECTIONS 15"				
EACH	STA	OFFSET	LT / RT	REMARKS
	20TH ST			
1	94+40	69	LT	
1	94+40	102	LT	
1	95+00	41	RT	
1	95+44	41	RT	
4	TOTAL			

63100085 TRAFFIC BARRIER TERMINAL, TYPE 6				
EACH	STA	STA	LT / RT	REMARKS
	20TH ST			
1	98+25.1	98+62.0	LT	
1	98+25.1	98+62.0	RT	
1	101+32.0	101+68.9	LT	
1	101+32.0	101+68.9	RT	
4	TOTAL			

US 20				
EACH	STA	OFFSET	LT / RT	REMARKS
1	1031+89	73	RT	END SECTION
1	1031+89	80	LT	END SECTION
1	1032+38	91	RT	END SECTION
1	1032+36	98	LT	END SECTION
1	1033+84	86	LT	END SECTION
1	1033+88	81	RT	END SECTION
14	TOTAL			

550A0440 STORM SEWERS, CLASS A, TYPE 2 33"						
FOOT	STA	OFFSET	STA	OFFSET	LT / RT	REMARKS
	US 20					
6	1031+88.6	67.3	1031+88.6	73.3	RT	
8	1031+88.6	71.9	1031+88.6	79.9	LT	
14	TOTAL					

63100167 TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT				
EACH	STA	STA	LT / RT	REMARKS
	20TH ST			
1	95+50.1	96+00.1	RT	
1	97+62.6	98+12.6	LT	
1	101+81.4	102+31.9	RT	
1	101+81.4	102+31.9	LT	
4	TOTAL			

64200116 SHOULDER RUMBLE STRIPS, 16 INCH				
FOOT	STA	STA	LT / RT	REMARKS
	US 20			
825	1028+50.0	1036+75.0	RT	
825	1029+75.0	1038+00.0	LT	
1.650	TOTAL			

63000001 STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS					
FOOT	STA	STA	LT / RT	OFFSET	REMARKS
	20TH ST				
225.0	96+00.1	98+25.1	RT	16	
12.5	98+12.6	98+25.1	LT	16	
12.5	101+68.9	101+81.4	RT	16	
12.5	101+68.9	101+81.4	LT	16	
262.5	TOTAL				

63200310 GUARDRAIL REMOVAL				
FOOT	STA	STA	LT / RT	REMARKS
	20TH ST			
303	95+87.9	98+90.8	RT	
191	97+00.4	98+91.2	LT	
112	100+94.9	102+06.8	RT	
113	100+95.0	102+07.8	LT	
	US 20			
392	1029+36.3	1033+28.3	RT	
278	1030+53.8	1033+31.3	RT	
518	1031+88.5	1037+06.9	LT	
340	1033+10.6	1036+50.8	LT	
2,247	TOTAL			

64300450 IMPACT ATTENUATORS (NON-REDIRECTIVE), TEST LEVEL 3				
EACH	STA	OFFSET	LT / RT	REMARKS
	US 20			
1	1032+59		RT / LT	COMPLETE INSTALLATION
1	1033+40		RT / LT	COMPLETE INSTALLATION
2	TOTAL			



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

SCALE: SHEET NO. 9 OF 13 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	4-HBR	WINNEBAGO	148	27
CONTRACT NO. 64A08				
ILLINOIS FED. AID PROJECT				

FILE NAME = S:\Projects\2013\JOBS\13-57 ESCA PTB 169 ITEM 23 D2 VARIOUS PH 1-11\WD 5 - 28th St over US 20\CADD\CADD Sheets\0264A08-sht-SCH.dgn
 MODEL = Default
 PLOT DRIVER = IODI_PDF.plt

64301090 ATTENUATOR BASE				
SO YD	STA	STA	SO FT	REMARKS
US 20				
27.3	1032+59.1	1032+92.4	245.8	CADD AREA
27.3	1033+40.0	1033+73.3	245.8	CADD AREA
54.6	TOTAL			
55	USE			

70400100 TEMPORARY CONCRETE BARRIER						
FOOT	STA	OFFSET	STA	OFFSET	LT / RT	REMARKS
STAGE 1						
US 20						
12.5	1029+44.4	17.7	1029+57.4	17.7	RT	
150.0	1029+57.4	17.7	1031+08.9	21.0	RT	
262.5	1031+08.9	21.0	1033+75.1	23.0	RT	
262.5	1032+63.8	23.0	1035+29.6	23.0	LT	
150.0	1035+29.6	23.0	1036+81.7	18.0	LT	
12.5	1036+81.7	18.0	1036+94.4	18.0	LT	

66500105 WOVEN WIRE FENCE, 4'						
FOOT	STA	OFFSET	STA	OFFSET	LT / RT	REMARKS
20TH ST						
88	98+51.2	115.2	98+62.0	28.6	LT	
57	98+57.2	73.6	98+62.0	17.6	RT	
56	101+32.0	28.6	101+47.3	82.5	LT	
115	101+47.3	82.5	102+62.3	82.5	LT	
70	101+32.0	17.6	101+48.6	85.3	RT	
103	101+48.6	85.3	102+50.0	67.0	RT	
68	102+50.0	67.0	103+15.7	50.0	RT	
557	TOTAL					

70300220 TEMPORARY PAVEMENT MARKING - LINE 4"						
FOOT	STA	STA	LT / RT	PLACEMENT	REMARKS	
ROADWAY US 20 (%)						
PRE-STAGE 1						
1,185.1	1026+69.9	1038+55.0	RT	100%	SOLID WHITE	
296.3	1026+69.9	1038+55.0	RT	25%	SKIP DASH WHITE	
1,185.1	1027+95.0	1039+80.1	LT	100%	SOLID WHITE	
296.3	1027+95.0	1039+80.1	LT	25%	SKIP DASH WHITE	
STAGE 1						
1,185.1	1026+69.9	1038+55.0	RT	100%	SOLID WHITE	
296.3	1026+69.9	1038+55.0	RT	25%	SKIP DASH WHITE	
1,185.1	1026+69.9	1038+55.0	RT	100%	SOLID YELLOW	
1,185.1	1027+95.0	1039+80.1	LT	100%	SOLID WHITE	
296.3	1027+95.0	1039+80.1	LT	25%	SKIP DASH WHITE	
1,185.1	1027+95.0	1039+80.1	LT	100%	SOLID YELLOW	
STAGE 2						
1,185.1	1026+69.9	1038+55.0	RT	100%	SOLID WHITE	
296.3	1026+69.9	1038+55.0	RT	25%	SKIP DASH WHITE	
1,185.1	1026+69.9	1038+55.0	RT	100%	SOLID YELLOW	
1,185.1	1027+95.0	1039+80.1	LT	100%	SOLID WHITE	
296.3	1027+95.0	1039+80.1	LT	25%	SKIP DASH WHITE	
1,185.1	1027+95.0	1039+80.1	LT	100%	SOLID YELLOW	
13,628.8	TOTAL					
13,629	USE					

70400200 RELOCATE TEMPORARY CONCRETE BARRIER						
FOOT	STA	OFFSET	STA	OFFSET	LT / RT	REMARKS
STAGE 2						
US 20						
125.0	1032+87.1	47.1	1034+13.7	47.2	RT	
150.0	1031+65.8	47.1	1033+05.3	47.2	LT	
1,125.0	TOTAL					

66600105 FURNISHING AND ERECTING RIGHT OF WAY MARKERS				
EACH	STA	OFFSET	LT / RT	REMARKS
20TH STREET				
1	93+85	50	LT	
1	95+10	50	LT	
1	96+75	75	LT	
1	97+00	80	LT	
1	97+40	110	LT	
1	98+00	110	LT	
1	98+50	125	LT	
1	102+72	95	LT	
1	103+00	85	LT	
1	103+25	70	LT	
10	TOTAL			

70400200 RELOCATE TEMPORARY CONCRETE BARRIER						
FOOT	STA	OFFSET	STA	OFFSET	LT / RT	REMARKS
STAGE 2						
US 20						
350.0	1033+05.3	47.1	1036+59.8	47.2	LT	
50.0	1036+59.8	47.2	1037+10.5	51.5	LT	
25.0	1037+10.5	51.5	1037+35.7	51.5	LT	
12.5	1028+56.4	51.0	1028+69.0	51.0	RT	
50.0	1028+69.0	51.0	1029+19.5	46.9	RT	
362.5	1029+19.5	46.9	1032+88.7	47.1	RT	
850.0	TOTAL					

66700305 PERMANENT SURVEY MARKERS, TYPE II	
EACH	REMARKS
1	LOCATION TO BE DETERMINED BY ENGINEER
1	TOTAL

70600260 IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3				
EACH	STA	LT / RT	OFFSET	REMARKS
STAGE 1				
US 20				
1	1029+44.4	RT	17.7	
1	1036+94.4	LT	18.0	
2	TOTAL			



USER NAME = FNelson	DESIGNED - FBN	REVISED -
FILE NAME = D264A08-sht-SCH.dgn	DRAWN - RG	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - MCV	REVISED -
PLOT DATE = 6/12/2020	DATE - 6/12/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

SCALE: SHEET NO. 10 OF 13 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	4-HBR	WINNEBAGO	148	28
CONTRACT NO. 64A08				
ILLINOIS FED. AID PROJECT				

FILE NAME = S:\Projects\2013 JOBS\13-57 ESCA PTB 169 ITEM 23 D2 VARIOUS PH 1-11\WD 5 - 28th St. over US 20\CADD\CADD Sheets\0264A08-sht-SCH.dgn
 MODEL = Default
 PLOT DRIVER = IODI_PDF.plt

70600332 IMPACT ATTENUATORS, RELOCATE (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3

EACH	STA	LT / RT	OFFSET	REMARKS
STAGE 1				
US 20				
1	1028+56.4	RT	51.0	
1	1037+35.7	LT	51.5	
2	TOTAL			

72501000 TERMINAL MARKER-DIRECT APPLIED

EACH	STA	LT / RT	REMARKS
20TH ST			
1	95+50.1	RT	
1	97+62.6	LT	
1	102+31.4	RT	
1	102+31.4	LT	
4	TOTAL		

78009004 MODIFIED URETHANE PAVEMENT MARKING - LINE 4"

FOOT	STA	STA	LT / CL / RT	DIRECTION	PLACEMENT (%)	REMARKS
ROADWAY 20TH ST						
1,200.0	94+00.0	106+00.0	LT	N / S	100%	SOLID WHITE
1,200.0	94+00.0	106+00.0	RT	N / S	100%	SOLID WHITE
2,400.0	94+00.0	106+00.0	CL	N / S	200%	DOUBLE YELLOW
US 20						
1,185.0	1026+70.0	1038+55.0	RT	EB	100%	SOLID WHITE
1,185.0	1026+70.0	1038+55.0	RT	EB	100%	SOLID YELLOW
1,185.0	1027+95.0	1039+80.0	LT	WB	100%	SOLID WHITE
1,185.0	1027+95.0	1039+80.0	LT	WB	100%	SOLID YELLOW
9,540	TOTAL					

78009006 MODIFIED URETHANE PAVEMENT MARKING - LINE 6"

FOOT	STA	STA	LT / RT	PLACEMENT (%)	REMARKS
ROADWAY US 20					
300.0	1026+70.0	1038+55.0	RT	25%	SKIP DASH WHITE
300.0	1027+95.0	1039+80.0	LT	25%	SKIP DASH WHITE
600.0	TOTAL				
600	USE				

78200005 GUARDRAIL REFLECTORS, TYPE A

EACH	STA	STA	LT / RT	LENGTH	REMARKS
20TH ST					
0	95+50.1	96+00.1	RT	50.0	TY 1 SPECIAL
4	96+00.1	98+62.0	RT	261.9	66' CTS
0	97+62.6	98+12.6	LT	50.0	TY 1 SPECIAL
4	98+12.6	98+62.0	LT	49.4	12.5' CTS
4	101+32.0	101+81.4	RT	49.4	12.5' CTS
0	101+81.4	102+31.9	RT	50.0	TY 1 SPECIAL
4	101+32.0	101+81.4	LT	49.4	12.5' CTS
0	101+81.4	102+31.9	LT	50.0	TY 1 SPECIAL
16	TOTAL				

78200010 BARRIER WALL REFLECTORS, TYPE B

EACH	STA	STA	LT / RT	FOOT	REMARKS
20TH STREET					
8	98+62.0	101+32.0	RT	275.0	68.75' CTS x 2 EA
8	98+62.0	101+32.0	LT	275.0	68.75' CTS x 2 EA
16	TOTAL				

78200011 BARRIER WALL REFLECTORS, TYPE C

EACH	STA	STA	LT / RT	FOOT	REMARKS
STAGE 1 - TEMPORARY CONCRETE BARRIER					
US 20					
34	1029+44.4	1033+75.1	RT	425.0	25' CTS x 2 EA
34	1032+63.8	1036+94.4	LT	425.0	25' CTS x 2 EA
STAGE 2 - TEMPORARY CONCRETE BARRIER					
US 20					
44	1028+56.4	1034+13.7	RT	550.0	25' CTS x 2 EA
46	1031+65.8	1037+35.7	LT	562.5	25' CTS x 2 EA
158	TOTAL				

Z0004638 PAVEMENT BREAKING

SO YD	STA	STA	WIDTH	SO FT	REMARKS
20TH ST					
558.0	96+50.0	98+62.0	24.0	5,021.7	CADD AREA
575.2	101+32.0	103+50.0	24.0	5,177.1	CADD AREA
1,133.2	TOTAL				
1,134	USE				

Z0025505 PROPERTY MARKERS

EACH	REMARKS
40	20TH STREET ESTIMATED QUANTITY
40	TOTAL

X0327980 PAVEMENT MARKING REMOVAL - WATER BLASTING

SO FT	STA	STA	LT / RT	PLACEMENT (%)	WIDTH (INCH)	REMARKS
US 20 (FOR PRE-STAGE 1 TRAFFIC)						
148.1	1026+70.0	1038+55.0	RT	25%	6	SKIP DASH WHITE
395.0	1026+70.0	1038+55.0	RT	100%	4	SOLID WHITE
148.1	1027+95.0	1039+80.0	LT	25%	6	SKIP DASH WHITE
395.0	1027+95.0	1039+80.0	LT	100%	4	SOLID WHITE
1,086.2	TOTAL					
1,087	USE					



USER NAME = FNelson	DESIGNED - FBN	REVISED -
FILE NAME = 0264A08-sht-SCH.dgn	DRAWN - RG	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - MCV	REVISED -
PLOT DATE = 6/12/2020	DATE - 6/12/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

SCALE: SHEET NO. 11 OF 13 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	4-HBR	WINNEBAGO	148	29
CONTRACT NO. 64A08				
ILLINOIS FED. AID PROJECT				

FILE NAME = S:\Projects\2013 JOBS\13-57 ESCA PTB 169 ITEM 23 D2 VARIOUS PH 1-11\WD 5 - 20th St over US 20\CADD\CADD Sheets\0264A08-sht-SCH.dgn
 MODEL = Default
 PLOT DRIVER = IODT_PDF.plt

X4021000 TEMPORARY ACCESS (PRIVATE ENTRANCE)

EACH	STA	LT / RT
20TH ST		
1	94+59	LT
1	95+22	RT
1	95+41	LT
1	104+32	RT
1	105+20	RT
5	TOTAL	

X4022000 TEMPORARY ACCESS (COMMERCIAL ENTRANCE)

EACH	STA	LT / RT	REMARKS
20TH ST			
1	104+32	LT	
1	105+40	LT	
2	TOTAL		

X6330735 STEEL PLATE BEAM GUARDRAIL ADJUSTMENT

FOOT	STA	STA	LT / RT	REMARKS
20TH ST				
27.4	98+34.6	98+62.0	LT	
27.3	101+32.0	101+59.3	LT	
55	TOTAL			

X6650202 WOVEN WIRE FENCE REMOVAL

FOOT	STA	STA	OFFSET	REMARKS
20TH ST				
20	95+10.2	95+11.3	LT	
50	96+13.7	96+64.0	LT	
158	96+93.6	98+51.0	LT	
40	98+51.2	98+51.0	LT	
66	98+51.0	98+92.2	LT	
65	98+57.2	98+93.3	RT	
69	101+01.1	101+42.0	LT	
120	101+42.0	102+62.1	LT	
12	102+62.1	102+62.3	LT	
71	101+01.8	101+44.2	RT	
174	101+44.2	103+15.7	RT	
845	TOTAL			

X7030005 TEMPORARY PAVEMENT MARKING REMOVAL

SO FT	STA	STA	LT / RT	PLACEMENT	WIDTH	REMARKS
US 20 (FOR STAGE 1 TRAFFIC)						
				(%)	(INCH)	
395.0	1026+70.0	1038+55.0	RT	100%	4	SOLID WHITE
98.8	1026+70.0	1038+55.0	RT	25%	4	SKIP DASH WHITE
395.0	1026+70.0	1038+55.0	RT	100%	4	SOLID YELLOW
395.0	1027+95.0	1039+80.0	LT	100%	4	SOLID WHITE
98.8	1027+95.0	1039+80.0	LT	25%	4	SKIP DASH WHITE
395.0	1027+95.0	1039+80.0	LT	100%	4	SOLID YELLOW
US 20 (FOR STAGE 2 TRAFFIC)						
				(%)	(INCH)	
395.0	1026+70.0	1038+55.0	RT	100%	4	SOLID WHITE
98.8	1026+70.0	1038+55.0	RT	25%	4	SKIP DASH WHITE
395.0	1026+70.0	1038+55.0	RT	100%	4	SOLID YELLOW
395.0	1027+95.0	1039+80.0	LT	100%	4	SOLID WHITE
98.8	1027+95.0	1039+80.0	LT	25%	4	SKIP DASH WHITE
395.0	1027+95.0	1039+80.0	LT	100%	4	SOLID YELLOW
US 20 (FOR FINAL PLACEMENT)						
				(%)	(INCH)	
395.0	1026+70.0	1038+55.0	RT	100%	4	SOLID WHITE
98.8	1026+70.0	1038+55.0	RT	25%	4	SKIP DASH WHITE
395.0	1026+70.0	1038+55.0	RT	100%	4	SOLID YELLOW
395.0	1027+95.0	1039+80.0	LT	100%	4	SOLID WHITE
98.8	1027+95.0	1039+80.0	LT	25%	4	SKIP DASH WHITE
395.0	1027+95.0	1039+80.0	LT	100%	4	SOLID YELLOW
5,332.8	TOTAL					
5,333	USE					



USER NAME = FNelson
 FILE NAME = D264A08-sht-SCH.dgn
 PLOT SCALE = 20.0000' / in.
 PLOT DATE = 6/12/2020

DESIGNED - FBN
 DRAWN - RG
 CHECKED - MCV
 DATE - 6/12/2020

REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

SCALE: SHEET NO. 12 OF 13 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	4-HBR	WINNEBAGO	148	30
CONTRACT NO. 64A08				
ILLINOIS FED. AID PROJECT				

PAVEMENT SCHEDULE

LOCATION	LT / RT	DESCRIPTION	LENGTH	SURFACE		BINDER		SUBGRADE		30300011	31101600	35101400	40600275	40600290	40604000	40701871	40800050	42000080	48203021	
				WIDTH*	AREA	WIDTH*	AREA	WIDTH*	AREA	AGG	SUB GRAN	AGG BASE	BIT MATLS	BIT MATLS	HMA SC	HMA PAVT	INCIDENTAL	PVT CON	HMA	SHOULDERS
				0.025 LBS/SQ FT		0.025 LBS/SQ FT		0.25 LBS/SQ FT		2.05 TONS/CU YD	(SQ YD)	(TON)	(POUND)	(POUND)	(TON)	(SQ YD)	(TON)	(SQ YD)	(SQ YD)	
STA	STA		(FOOT)	(FOOT)	(SQ FT)	(FOOT)	(SQ FT)	(FOOT)	(SQ FT)	(TON)	(SQ YD)	(TON)	(POUND)	(POUND)	(TON)	(SQ YD)	(TON)	(SQ YD)	(SQ YD)	
20TH STREET																				
93+85.00	94+00.00	LT	HMA SHLD	15.0	4.05	60.75	4.12	61.80							15.5	3.1	0.80		6.9	
93+87.09	95+26.00	LT	MBT	138.9			VARIES	395.70							20.3	98.9		6.77		
93+93.10	98+47.00	LT	NEW PATH	453.9	10.00	4,054.20			12.00	4,865.04		540.6		1,216.3		60.50				
94+00.00	94+50.00	LT / RT	ROADWAY	50.0	24.13	1,206.50	24.30	1,214.83	26.00	1,300.00	98.7			303.7	60.3		135.0			
94+00.00	94+50.00	RT	HMA SHLD	50.0	4.49	224.46	4.49	224.46						56.1	11.2	2.80			24.9	
94+00.00	94+50.00	LT	HMA SHLD	50.0	4.00	200.00	4.00	200.00						50.0	10.0	2.50			22.2	
94+00.00	95+02.28	RT	MBT	102.3			VARIES	385.60						19.8	96.4		6.60			
94+09.00		LT	PE				VARIES	2,165.50						111.2	541.4		37.05			
94+50.00	95+93.43	LT	HMA SHLD	143.4	4.00	573.73	4.00	573.72						143.4	28.7	7.10			63.7	
94+50.00	96+50.00	LT / RT	ROADWAY	200.0	24.00	4,800.00	24.17	4,833.33	26.00	5,200.00	394.8			1,208.3	240.0		537.0			
96+50.00	98+47.00	LT / RT	ROADWAY	197.0	24.00	4,728.00	26.00	5,122.00	25.00	4,925.00	1,121.8			1,280.5	236.4		569.1			
94+50.00	95+16.10	RT	HMA SHLD	66.1	4.17	275.42	4.17	275.42						68.9	13.8	3.40			30.6	
95+21.50		RT	PE				VARIES	801.60						41.2	200.4		13.72			
95+16.10	95+40.10	RT	HMA SHLD	24.0	6.17	148.00	6.17	148.00						37.0	7.4	1.80			16.4	
95+44.00		LT	PE				VARIES	2,693.12						138.3	673.3		46.08			
95+40.10	95+50.11	RT	HMA SHLD	10.0	8.17	81.75	8.17	81.75						20.4	4.0	1.00			9.1	
95+50.11	95+75.10	RT	HMA SHLD	25.0	6.21	155.13	7.77	194.17						48.5	8.7	1.90			21.6	
95+62.23	95+93.43	LT	MBT	31.2			VARIES	77.60						4.0	19.4		1.33			
95+75.10	96+00.11	RT	HMA SHLD	25.0	5.44	136.00	7.17	179.32						44.8	7.9	1.70			19.9	
95+93.43	97+25.90	LT	HMA SHLD	132.5	4.00	529.88	4.17	551.96						138.0	27.0	6.60			61.3	
96+00.11	98+47.00	RT	HMA SHLD	246.9	5.44	1,342.47	7.17	1,770.20						442.6	77.8	16.70			196.7	
97+25.90	97+61.90	LT	HMA SHLD	36.0	7.00	252.00	7.17	258.00						64.5	12.8	3.10			28.7	
97+61.90	98+34.67	LT	HMA SHLD	72.8	5.94	432.26	10.00	727.70						181.9	29.0	5.40			80.9	
98+34.67	98+47.00	LT	HMA SHLD	12.3	5.44	67.08	8.94	110.23						27.6	4.4	0.80			12.2	
98+47.00	98+62.00	RT	HMA SHLD	15.0	1.42	21.30	1.50	22.50						5.6	1.1	0.30			2.5	
98+47.00	98+62.00	LT / RT	PVT CON	15.0	47.15	707.25			35.30	529.50	72.0								78.6	
101+32.00	101+47.00	LT / RT	PVT CON	15.0	47.15	707.25			35.30	529.50	72.0								78.6	
101+32.00	101+47.00	RT	HMA SHLD	15.0	1.42	21.30	1.50	22.50						5.6	1.2	0.30			2.5	
101+47.00	102+50.00	LT / RT	ROADWAY	103.0	24.00	2,472.00	24.17	2,489.17	26.00	2,678.00	610.0			622.3	124.4		276.6			
102+50.00	105+50.00	LT / RT	ROADWAY	300.0	24.00	7,200.00	24.17	7,250.00	26.00	7,800.00	592.2						805.6			
101+47.00	101+59.33	LT	HMA SHLD	12.3	5.44	67.08	8.94	110.23						27.6	4.4	0.80			12.2	
101+47.00	101+81.96	RT	HMA SHLD	35.0	5.44	190.10	7.17	250.66						62.7	11.0	2.40			27.9	
101+47.00	105+65.00	LT	NEW PATH	418.0	10.00	3,284.10			12.00	3,940.92		437.9		985.2		49.00				
101+59.33	102+31.90	LT	HMA SHLD	72.6	5.94	431.07	10.00	725.70						181.4	28.9	5.40			80.6	
101+81.96	102+06.96	RT	HMA SHLD	25.0	5.94	148.50	7.70	192.50						48.1	8.5	1.80			21.4	
102+06.96	102+41.96	RT	HMA SHLD	35.0	6.44	225.40	8.17	285.83						71.5	12.8	2.80			31.8	
102+31.90	102+67.90	LT	HMA SHLD	36.0	7.00	252.00	7.17	258.12						64.5	12.9	3.10			28.7	
102+41.96	102+65.96	RT	HMA SHLD	24.0	6.00	144.00	6.17	148.00						37.0	7.3	1.80			16.4	
102+65.96	103+78.00	RT	HMA SHLD	112.0	4.00	448.17	4.17	466.83						116.7	22.9	5.60			51.9	
102+67.90	103+90.00	LT	HMA SHLD	122.1	4.00	488.41	4.17	508.75						127.2	25.4	6.10			56.5	
103+78.00	105+44.50	RT	HMA SHLD	166.5	4.00	666.00	4.00	666.00						166.5	33.3	8.30			74.0	
103+78.00	104+14.00	RT	MBT	36.0			VARIES	99.10						5.1	24.8		1.70			
103+90.00	105+50.00	LT	HMA SHLD	160.0	4.00	640.00	4.00	640.00						160.0	32.0	8.00			71.1	
104+23.50		LT	CE				VARIES	3,657.50						187.8	914.4		62.58			
104+32.00		RT	PE				VARIES	612.00						31.4	153.0		10.47			
104+50.00	104+98.50	RT	MBT	48.5			VARIES	194.00						10.0	48.5		3.32			
104+53.00	105+13.00	LT	MBT	60.0			VARIES	240.00						12.3	60.0		4.11			
105+19.50		RT	PE				VARIES	672.30						34.5	168.1		11.50			
105+40.00		LT	CE				VARIES	1,251.30						64.3	312.8		21.41			
105+44.50	106+00.00	RT	HMA SHLD	55.5	4.00	222.00	4.17	231.25						57.8	11.3	2.80			25.7	
105+50.00	106+00.00	LT / RT	ROADWAY	50.0	24.10	1,205.00	24.27	1,213.33	26.00	1,300.00	98.7			303.3	60.3		134.8			
105+50.00	106+00.00	LT	HMA SHLD	50.0	4.00	200.00	4.00	200.00						50.0	10.0	2.50			22.2	
105+67.01	105+98.02	LT	MBT	31.0			VARIES	79.29						4.1	19.8		1.36			
US 20																				
1028+50.00	1036+75.00	RT	HMA SHLD	825.00	10.17	8,387.50	10.67	8,800.00	11.50	9,487.50	1,440.7			2,200.0	440.0	104.40			977.8	
1029+75.00	1038+00.00	LT	HMA SHLD	825.00	10.17	8,387.50	10.67	8,800.00	11.50	9,487.50	1,440.7			2,200.0	440.0	104.40			977.8	
TOTALS										5,941.6	978.5	684.3	16,172.2	2,070.2	425.9	2,458.1	228.0	157.2	3,076.1	
USE										5,942	979	685	16,173	2,071	426	2,459	228	158	3,077	

* WIDTHS LISTED ARE AVERAGE AND NOT NECESSARILY USED TO DETERMINE AREA

FILE NAME = S:\Projects\2013\ESCA PTB 169\ITEM 23 D2 VARIOUS PH I-I\W05 - 28th St over US 20\CADD\CADD Sheets\0264A08-sht-SCH.dgn
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USER NAME = FNelson	DESIGNED - FBN	REVISED -
FILE NAME = D264A08-sht-SCH.dgn	DRAWN - RG	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - MCV	REVISED -
PLOT DATE = 6/12/2020	DATE - 6/12/2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PAVEMENT SCHEDULE

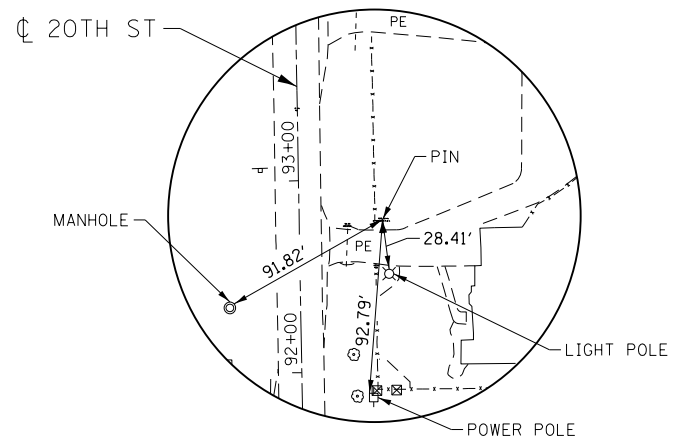
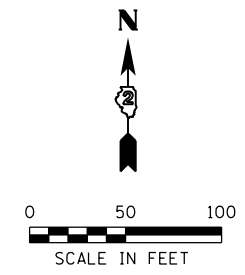
SCALE: SHEET NO. 13 OF 13 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	4-HBR	WINNEBAGO	148	31
CONTRACT NO. 64A08				
ILLINOIS FED. AID PROJECT				

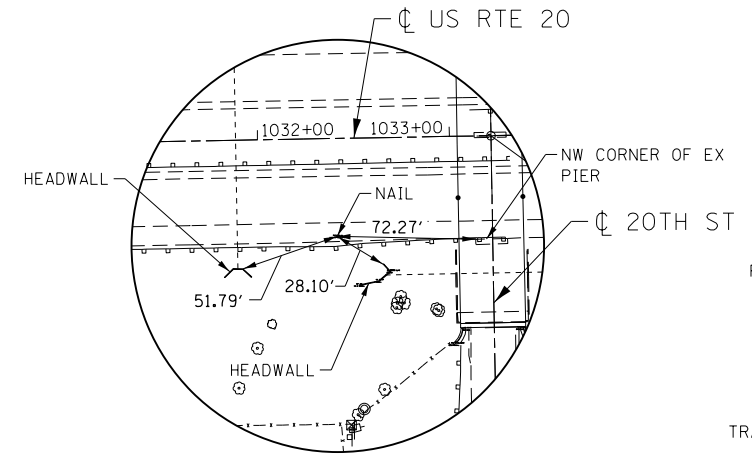
HORIZONTAL & VERTICAL CONTROL

HORIZONTAL CONTROL POINTS							
POINT	NORTH	EAST	ELEVATION	CHAIN	STATION	OFFSET	DESCRIPTION
90218	2023783.0450	2597066.4650	799.8830	20THST	92+78.95	43.4019	TOPO SURVEY POINT, PIN
90219	2024450.7520	2596930.3220	777.4770	20THST	99+48.93	81.0983	TOPO SURVEY POINT, NAIL
90221	2025982.1230	2596959.4320	799.2280	20THST	114+79.56	25.3375	TOPO SURVEY POINT, NAIL
	2023087.2443	2597035.1695		20THST	85+83.80	0.0000	P.O.T. @ FRUITLAND AVE
	2025157.0523	2596999.1368		20THST	106+53.93	0.0000	P.O.T. @ LUND AVE
	2024488.5398	2596188.9541		US RTE 20	1025+00.00	0.0000	P.O.T.
	2024515.3483	2597688.7145		US RTE 20	1040+00.00	0.0000	P.O.T.

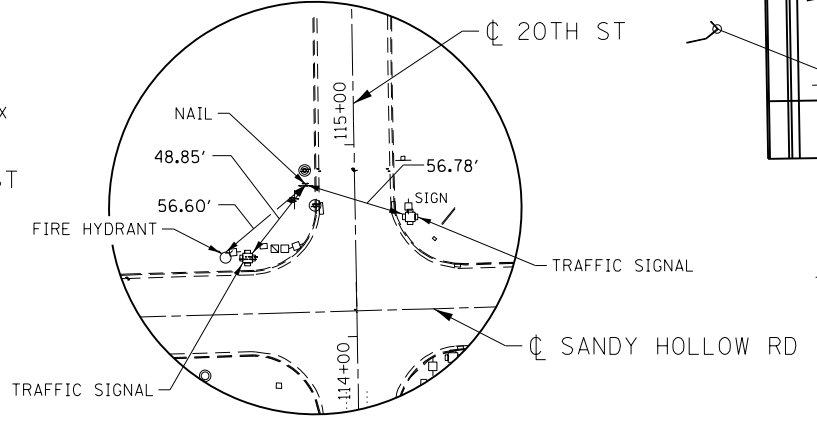
PROJECT / IMPROVEMENT
ENDS STA 106+00.00
 NORTH 2025103.1345
 EAST 2597000.0754



HORIZONTAL CONTROL POINT NO. 90218

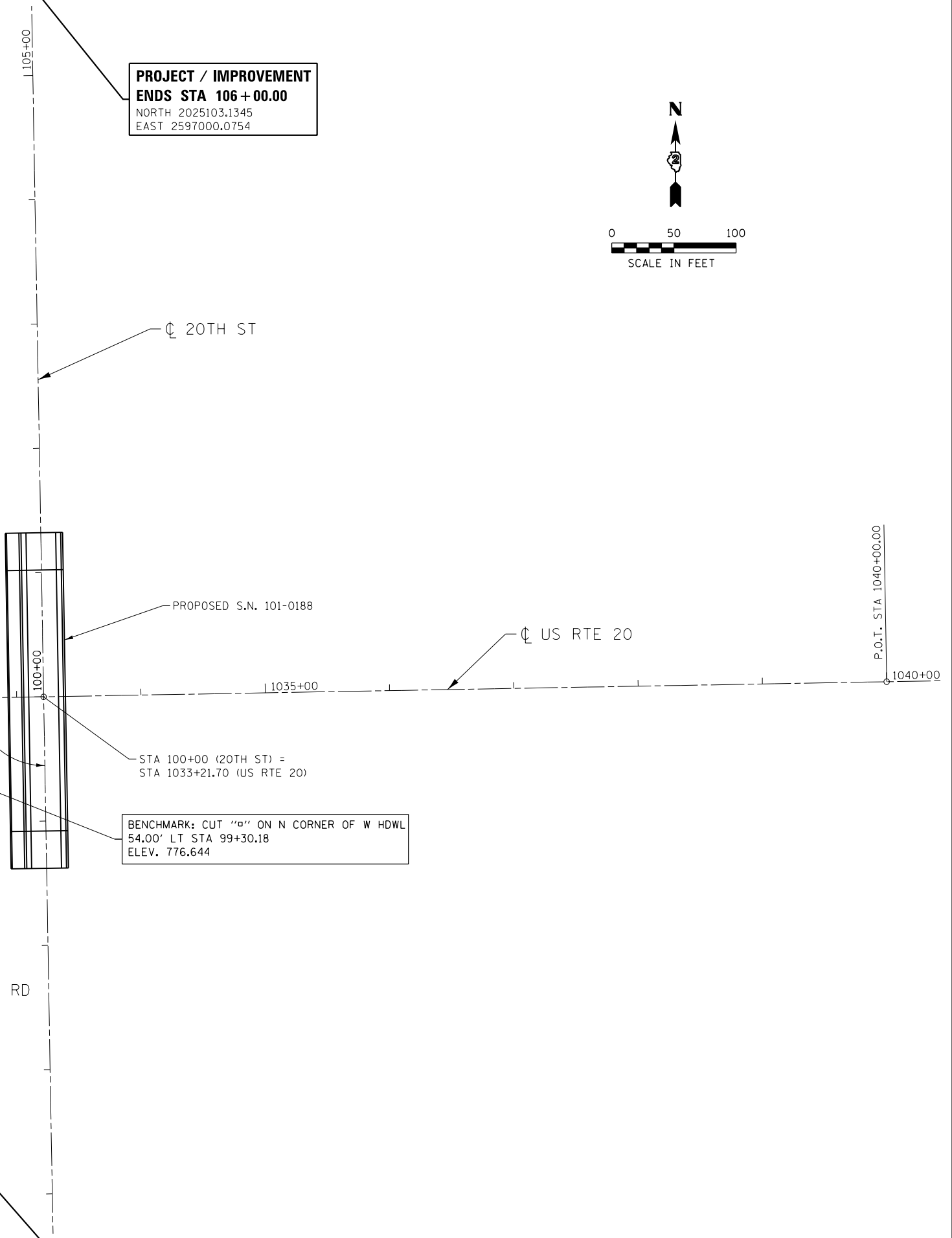


HORIZONTAL CONTROL POINT NO. 90219



HORIZONTAL CONTROL POINT NO. 90221

PROJECT
BEGINS STA 94+00.00
 NORTH 2023903.3163
 EAST 2597020.9627



FILE NAME = S:\Projects\2013 JOBS\13-57 ESCA PTB 169 ITEM 23 D2 VARIOUS PH 1-11\WD 5 - 28th St over US 20\CADD\CADD Sheets\0264A08-sht-atb.dgn
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 PLOT DRIVER = 100T_PDF.plt.ctb



USER NAME = FNelson	DESIGNED - FBN	REVISED -
FILE NAME = 0264A08-sht-atb.dgn	DRAWN - RG	REVISED -
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PLOT DATE = 6/12/2020	DATE - 6/12/2020	REVISED -

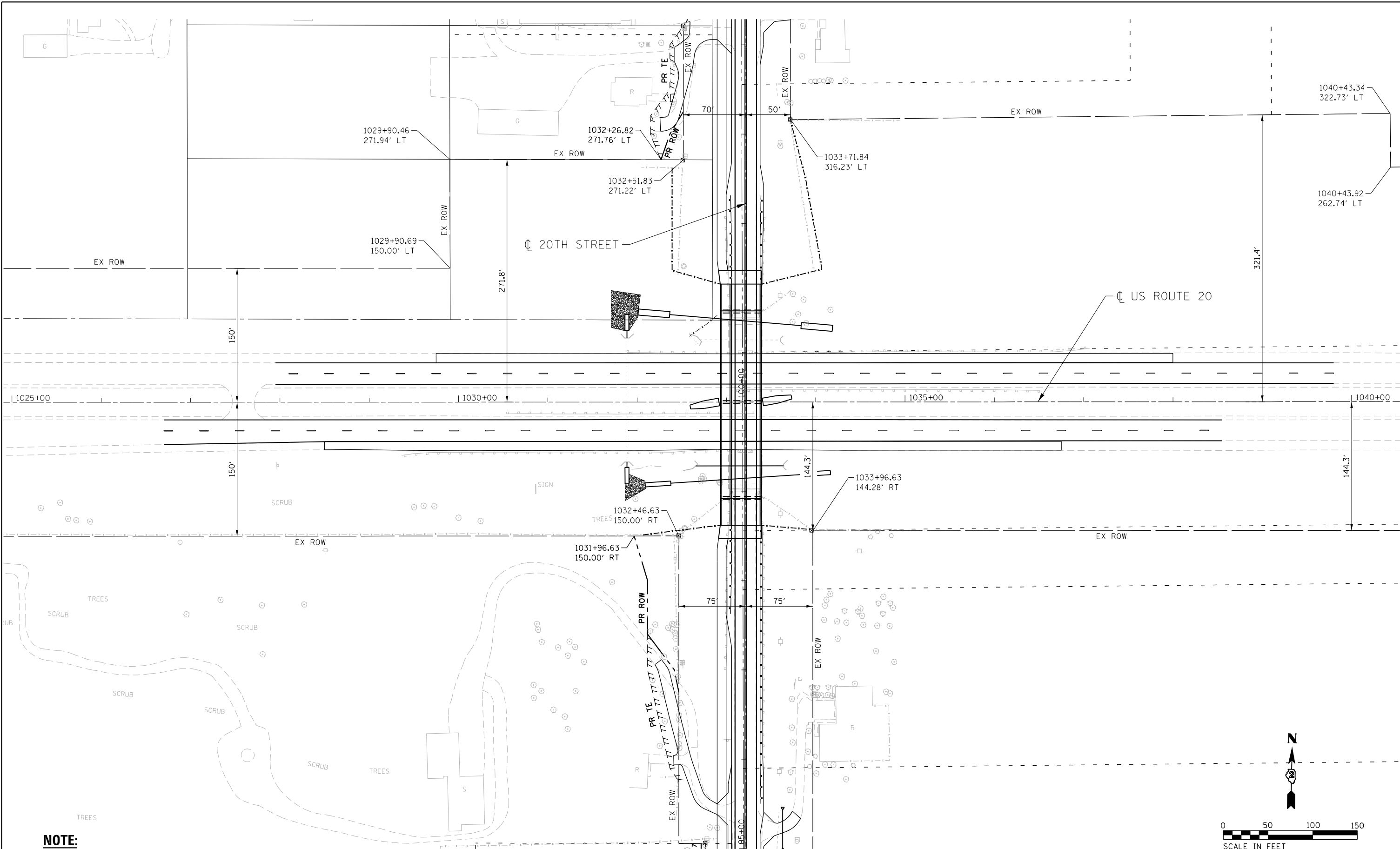
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ALIGNMENT, TIES & BENCHMARKS

SCALE: SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	4-HBR	WINNEBAGO	148	32
CONTRACT NO. 64A08				
ILLINOIS FED. AID PROJECT				

FILE NAME = S:\Projects\2013 JOBS\13-57 ESCA PTB 169 ITEM 23 D2 VARIOUS PH 1-11\WD 5 - 28th St. over US 20\CADD\CADD Sheets\0264A08-sht-ROW.dgn
 MODEL = Default
 PLOT DRIVER = 100T_PDF.plt



NOTE:

CALLOUTS ARE ALONG US 20 ONLY, THIS SHEET.
 SEE NEXT SHEET FOR 20TH STREET CALLOUTS.



USER NAME = F.Nelson	DESIGNED - FBN	REVISED -
FILE NAME = 0264A08-sht-ROW.dgn	DRAWN - RG	REVISED -
PLOT SCALE = 100.0000' / 1" =	CHECKED - MCV	REVISED -
PLOT DATE = 6/12/2020	DATE - 6/12/2020	REVISED -

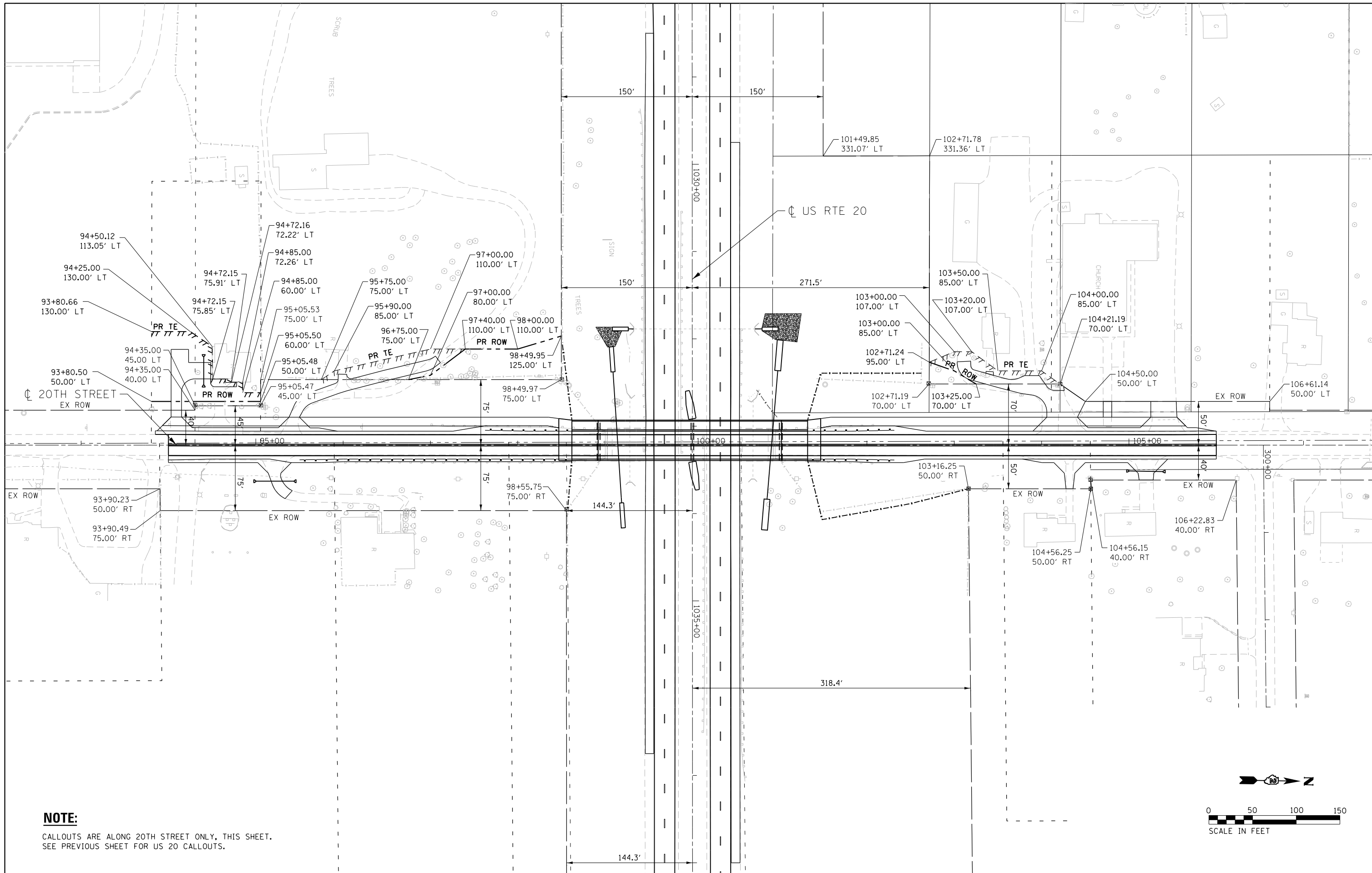
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**RIGHT OF WAY PLAN
 US ROUTE 20**

SCALE: 1" = 50' SHEET NO. 1 OF 2 SHEETS STA. 1025+00.00 TO STA. 1040+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	4-HBR	WINNEBAGO	148	33
CONTRACT NO. 64A08				
ILLINOIS FED. AID PROJECT				

FILE NAME = S:\Projects\2013 JOBS\13-57 ESCA PTB 169 ITEM 23 D2 VARIOUS PH 1-11\WD 5 - 28th St. over US 20\CADD\CADD Sheets\0264A08-sht-ROW.2.dgn
 MODEL = Default
 PLOT DRIVER = IODI_PDF.plt



NOTE:
 CALLOUTS ARE ALONG 20TH STREET ONLY, THIS SHEET.
 SEE PREVIOUS SHEET FOR US 20 CALLOUTS.



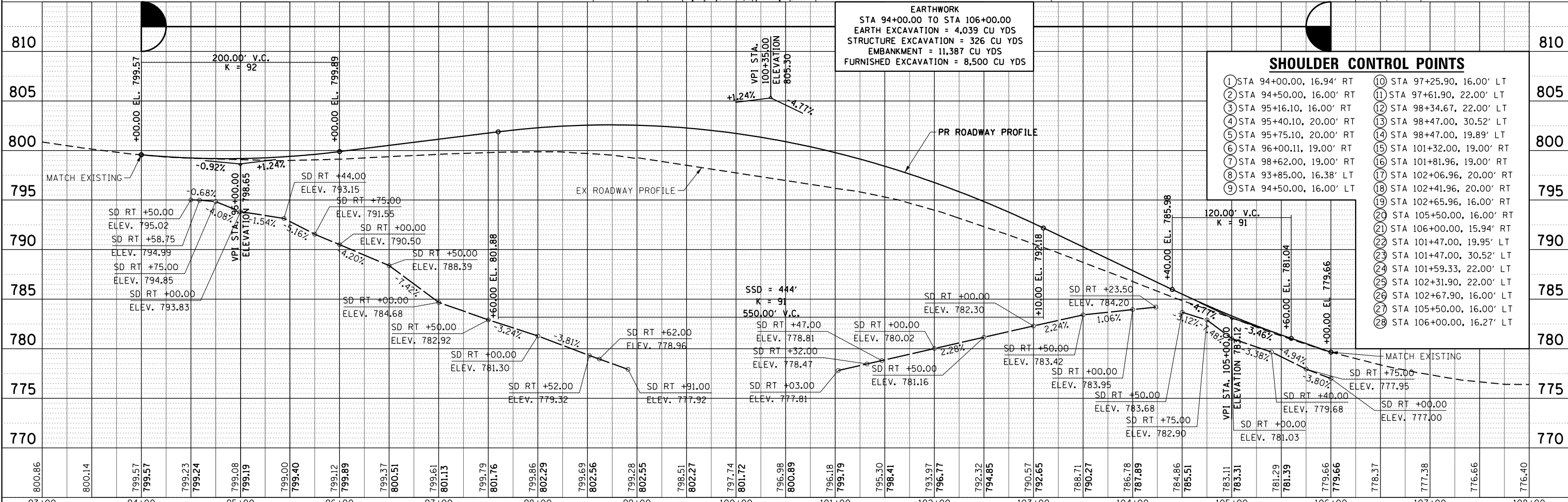
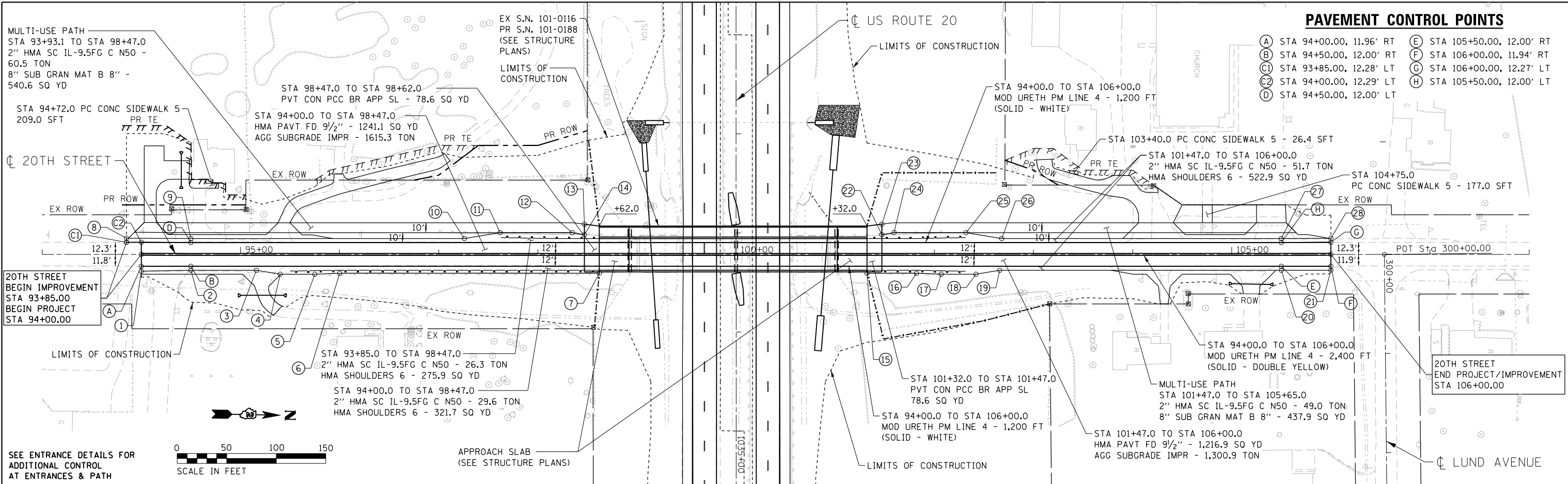
USER NAME = FNelson	DESIGNED - FBN	REVISED -
FILE NAME = D264A08-sht-ROW.2.dgn	DRAWN - RG	REVISED -
PLOT SCALE = 100.0000' / 1" =	CHECKED - MCV	REVISED -
PLOT DATE = 6/12/2020	DATE - 6/12/2020	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**RIGHT OF WAY PLAN
 20TH STREET**

SCALE: 1" = 50' SHEET NO. 2 OF 2 SHEETS STA. 94+00.00 TO STA. 106+00.00

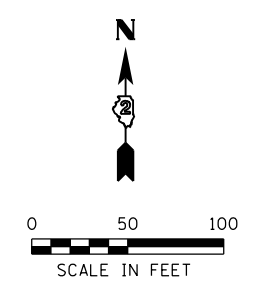
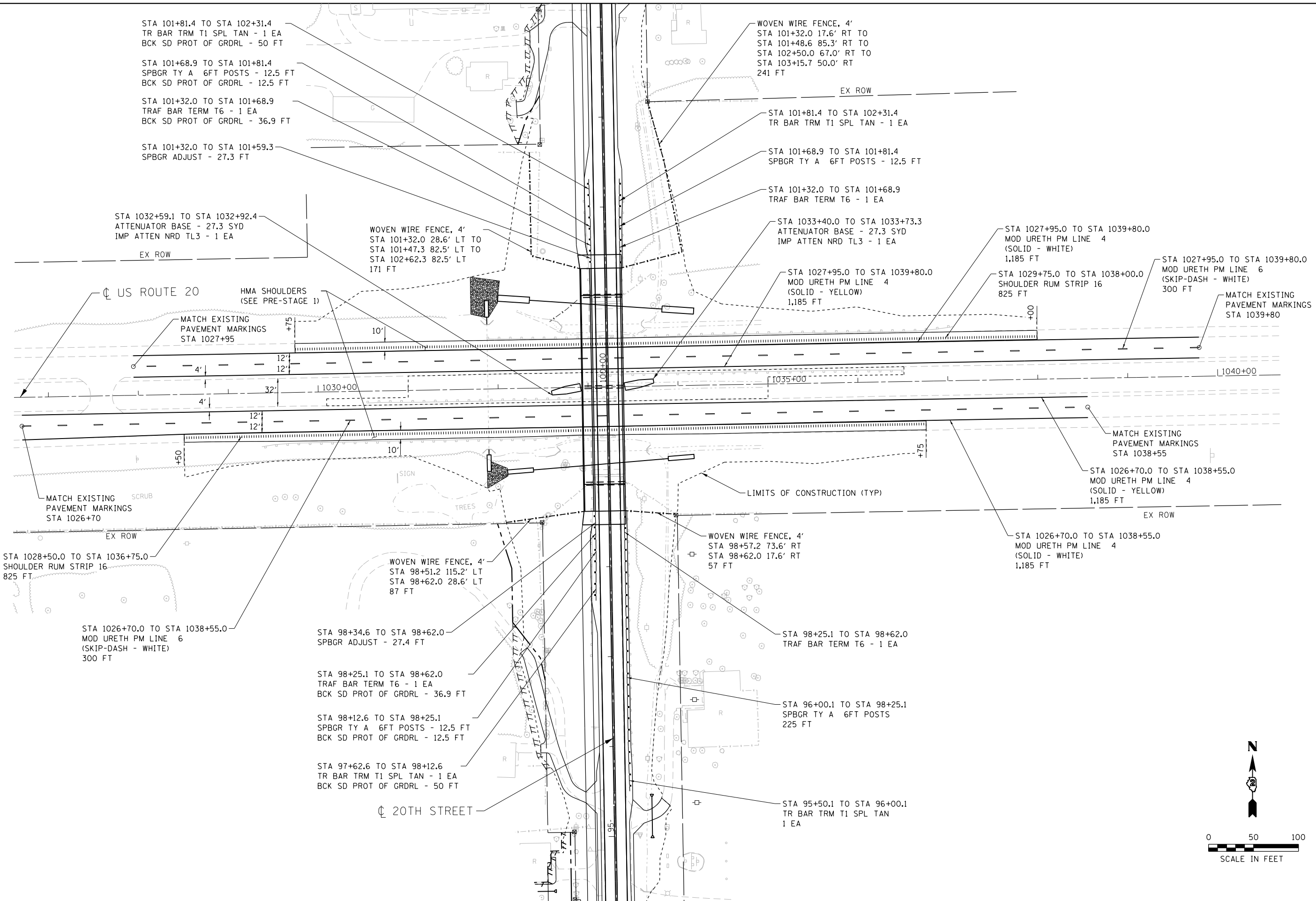
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	4-HBR	WINNEBAGO	148	34
CONTRACT NO. 64A08				
ILLINOIS FED. AID PROJECT				



FILE NAME = S:\Projects\2013\JOBS\13-57\ESCA\PTB 169 ITEM 23 D2 VARIOUS PH 1-11\NO 5 - 28th St over US 20\CADD\CADD Sheets\0264A08-sht-plnpr.fgn
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 PLOT DRIVER = 100_PDF.plt

 QUIGG ENGINEERING INC	USER NAME = FNelson FILE NAME = D264A08-sht-plnpr.fgn PLOT SCALE = 100.0000' / 1" PLOT DATE = 6/12/2020	DESIGNED - FBN DRAWN - RC CHECKED - MCV DATE - 6/12/2020	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		PLAN & PROFILE 20TH STREET		F.A.P. RTE. = 301 SECTION = 4-HBR COUNTY = WINNEBAGO CONTRACT NO. = 64A08	TOTAL SHEETS = 148 SHEET NO. = 35 ILLINOIS FED. AID PROJECT
	SCALE: 1" = 50' SHEET NO. 1 OF 1 SHEETS STA. 94+00.00 TO STA. 106+00.00								

FILE NAME = S:\Projects\2013\JOBS\13-57 ESCA PTB 169 ITEM 23 D2 VARIOUS PH 1-11\WD 5 - 28th St. over US 20\CADD\CADD Sheets\0264A08-sht-pln us20.dgn
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 PLOT DRIVER = IODI_PDF.plt.ctb



USER NAME = FNelson	DESIGNED - FBN	REVISED -
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PLOT SCALE = 100.0000' / 1"	CHECKED - MCV	REVISED -
PLOT DATE = 6/12/2020	DATE - 6/12/2020	REVISED -

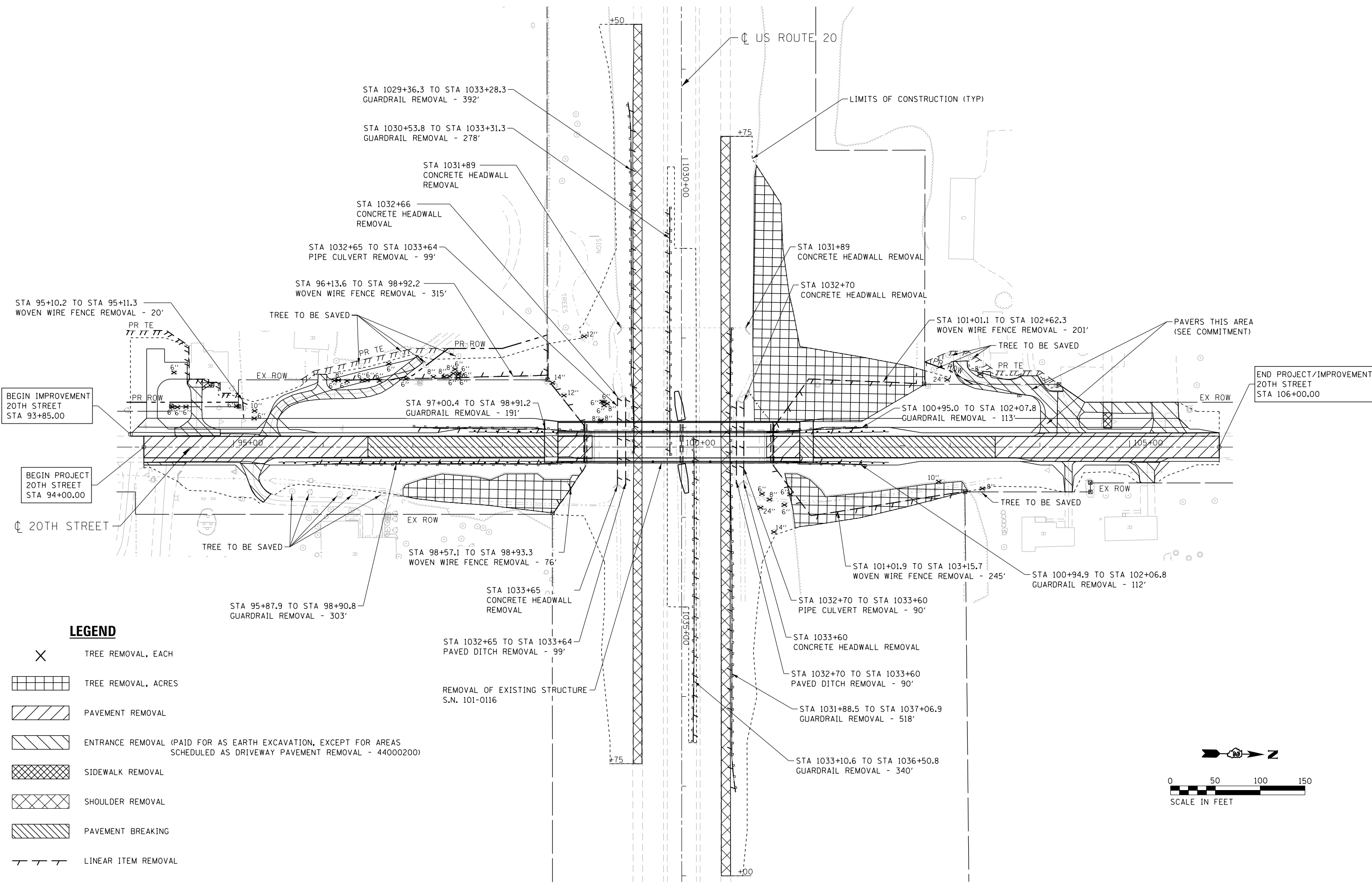
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ROADWAY PLAN
US ROUTE 20**

SCALE: 1" = 50' SHEET NO. 1 OF 1 SHEETS STA. 1026+70.00 TO STA. 1039+80.00

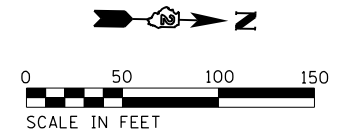
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	4-HBR	WINNEBAGO	148	36
CONTRACT NO. 64A08				
ILLINOIS FED. AID PROJECT				

FILE NAME = S:\Projects\2013\JOBS\13-57 ESCA PTB 169 ITEM 23 D2 VARIOUS PH 1-11\WD 5 - 28th St over US 20\CADD\CADD Sheets\0264A08-sht-rem.dgn
 MODEL = Default
 PLOT DRIVER = 1007_PDF.plt



LEGEND

- X TREE REMOVAL, EACH
- [Grid Pattern] TREE REMOVAL, ACRES
- [Diagonal Lines /] PAVEMENT REMOVAL
- [Diagonal Lines \] ENTRANCE REMOVAL (PAID FOR AS EARTH EXCAVATION, EXCEPT FOR AREAS SCHEDULED AS DRIVEWAY PAVEMENT REMOVAL - 44000200)
- [Cross-hatch] SIDEWALK REMOVAL
- [Diagonal Lines /] SHOULDER REMOVAL
- [Diagonal Lines \] PAVEMENT BREAKING
- - - LINEAR ITEM REMOVAL



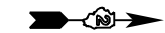
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PLOT SCALE = 100.0000' / 1"	CHECKED - MCV	REVISED -
PLOT DATE = 6/12/2020	DATE - 6/12/2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

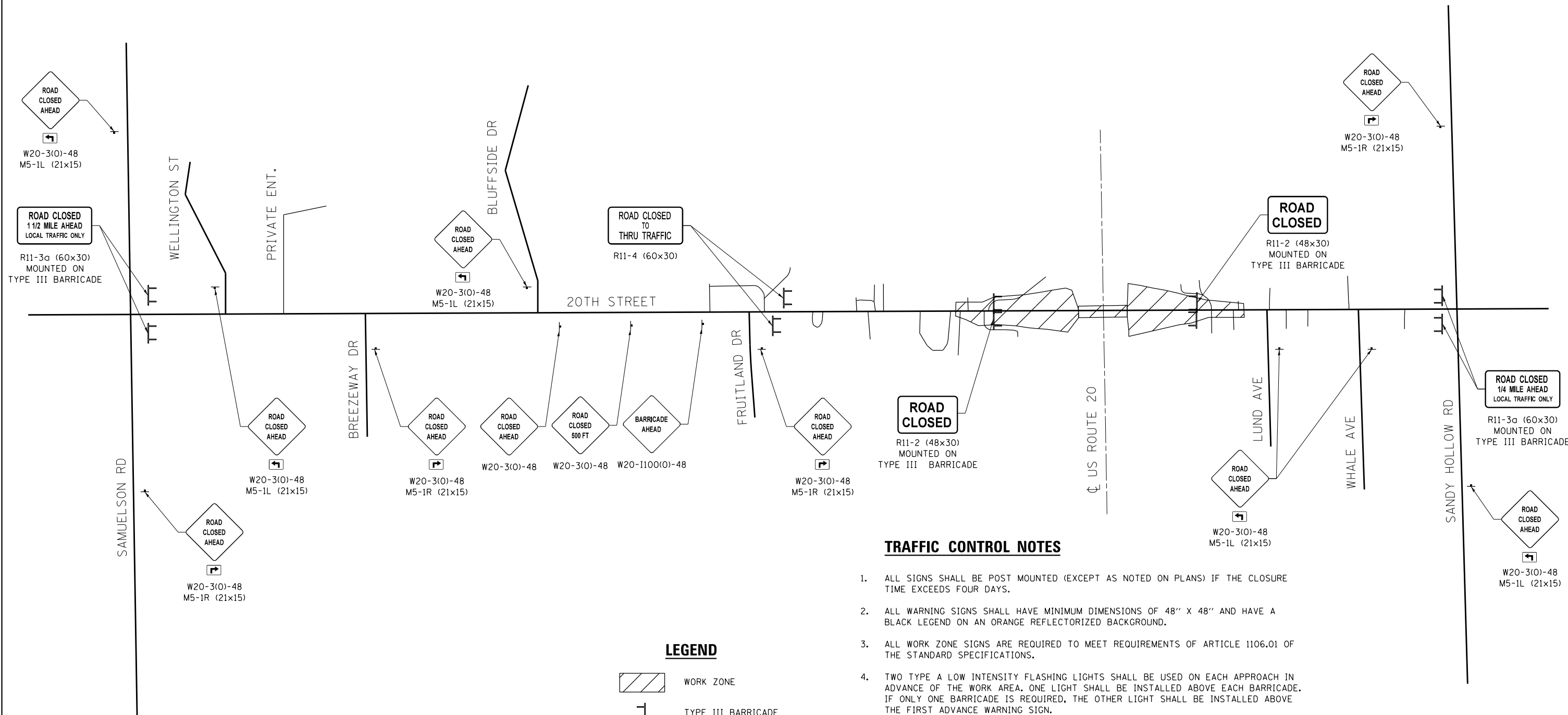
REMOVAL PLAN

SCALE: 1" = 50' SHEET NO. 1 OF 1 SHEETS STA. 94+00.00 TO STA. 106+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	4-HBR	WINNEBAGO	148	37
CONTRACT NO. 64A08				
ILLINOIS FED. AID PROJECT				



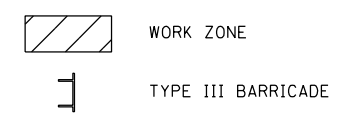
NOT TO SCALE



TRAFFIC CONTROL NOTES

1. ALL SIGNS SHALL BE POST MOUNTED (EXCEPT AS NOTED ON PLANS) IF THE CLOSURE TIME EXCEEDS FOUR DAYS.
2. ALL WARNING SIGNS SHALL HAVE MINIMUM DIMENSIONS OF 48" X 48" AND HAVE A BLACK LEGEND ON AN ORANGE REFLECTORIZED BACKGROUND.
3. ALL WORK ZONE SIGNS ARE REQUIRED TO MEET REQUIREMENTS OF ARTICLE 1106.01 OF THE STANDARD SPECIFICATIONS.
4. TWO TYPE A LOW INTENSITY FLASHING LIGHTS SHALL BE USED ON EACH APPROACH IN ADVANCE OF THE WORK AREA. ONE LIGHT SHALL BE INSTALLED ABOVE EACH BARRICADE. IF ONLY ONE BARRICADE IS REQUIRED, THE OTHER LIGHT SHALL BE INSTALLED ABOVE THE FIRST ADVANCE WARNING SIGN.
5. LONGITUDINAL DIMENSIONS MAY BE ADJUSTED TO FIT FIELD CONDITIONS.
6. SEE STANDARD 701901 AND D2 STANDARD 40.1 FOR ADDITIONAL DETAILS.
7. SEE STANDARDS 701001, 701006, 701011, 701301, AND 701311 FOR ANY WORK TO BE PERFORMED OUTSIDE OF THE CLOSURE DURATION.

LEGEND



FILE NAME = S:\Projects\2013 JOBS\13-57 ESCA PTB 169 ITEM 23 D2 VARIOUS PH 1-11\WD 5 - 28th St. over US 20\CADD\CADD Sheets\0264A08-sht-staging_20th.studgn
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PLOT DATE = 6/12/2020	DATE - 6/12/2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC CONTROL
20TH STREET CLOSURE**

SCALE: N.T.S. SHEET NO. 1 OF 5 SHEETS STA. TO STA.

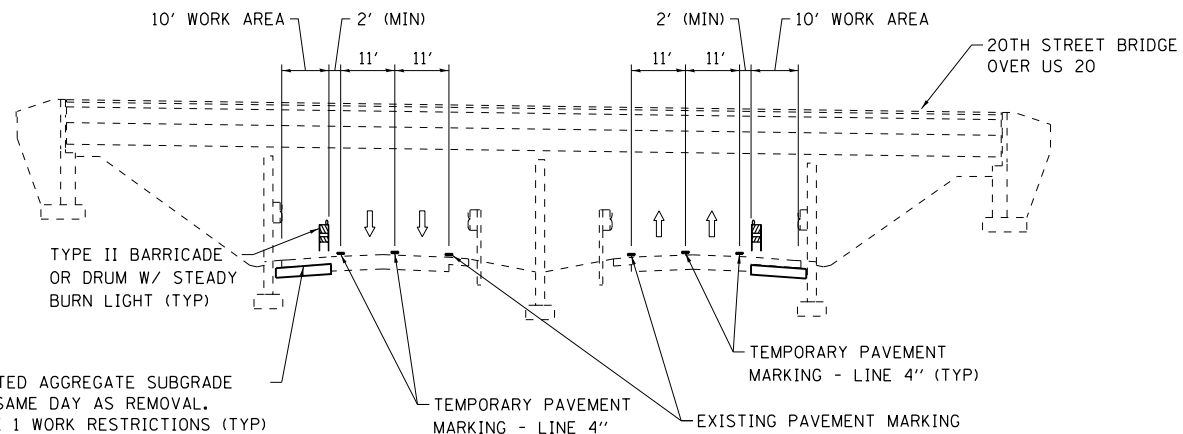
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	4-HBR	WINNEBAGO	148	38
CONTRACT NO. 64A08				
ILLINOIS FED. AID PROJECT				

FILE NAME = S:\Projects\2013\JOBS\13-57\ESCA\PTB 169\ITEM 23 D2 (VARIOUS PH 1-11)\WD 5 - 28th St. over US 20\CADD\CADD Sheets\0264A08-sht-staging-tp.dgn
 MODEL DRIVER = 1001_PDF.plt

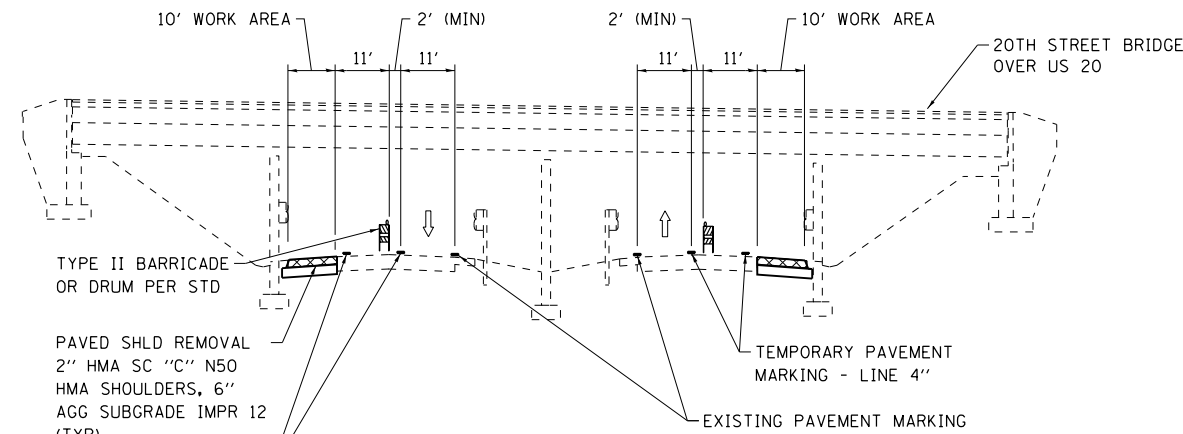
PRE-STAGE 1 WORK RESTRICTIONS

- ONLY OFF-PEAK LANE CLOSURES WILL BE ALLOWED (6:00 P.M. TO 6:00 AM MONDAY THROUGH FRIDAY)
- NO LANE CLOSURES ARE ALLOWED FROM 6:00 A.M. FRIDAY TO 6:00 P.M. MONDAY.
- PROPOSED AGGREGATE SUBGRADE IMPROVEMENT SHALL BE IN PLACE SAME DAY AS REMOVAL
- NO DROP-OFFS GREATER THAN 12" WILL BE ALLOWED

PLACE COMPACTED AGGREGATE SUBGRADE IMPROVEMENT SAME DAY AS REMOVAL. SEE PRE-STAGE 1 WORK RESTRICTIONS (TYP)



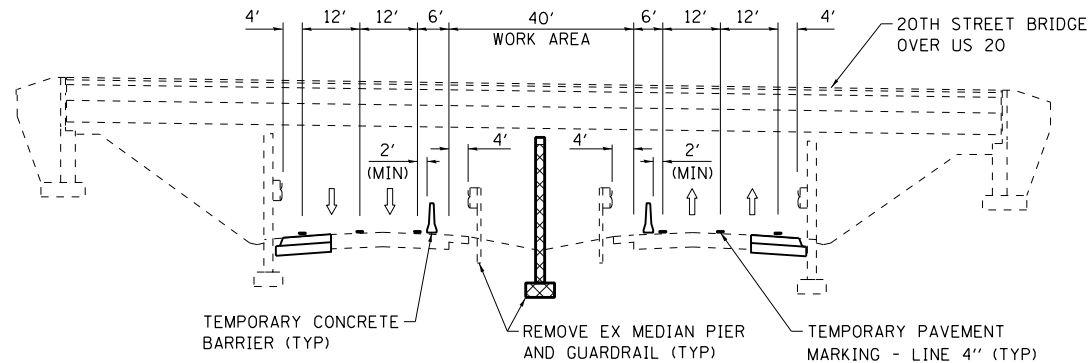
TYPICAL SECTION - PRE-STAGE 1
NON-WORKING HOURS



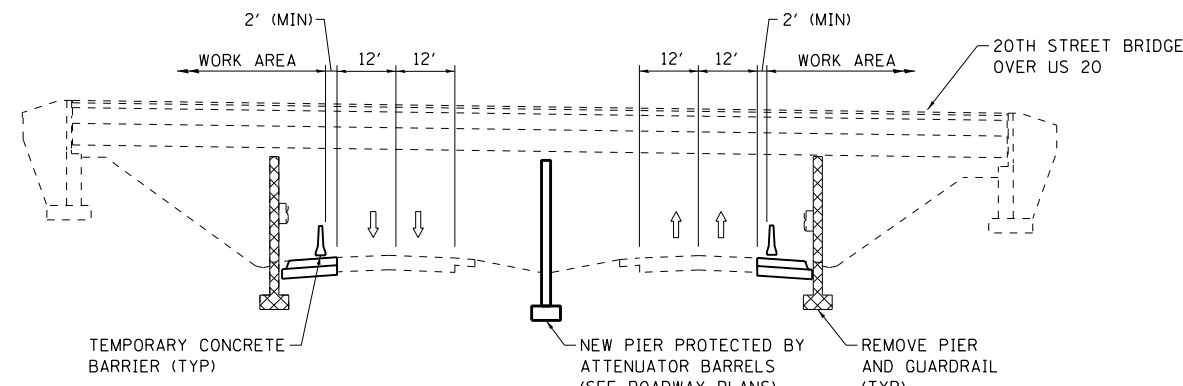
TYPICAL SECTION - PRE-STAGE 1
WORKING HOURS

STAGE 1 & 2 WORK RESTRICTIONS

- ONLY OFF-PEAK LANE CLOSURES WILL BE ALLOWED (6:00 P.M. TO 6:00 AM MONDAY THROUGH FRIDAY)
- NO LANE CLOSURES ARE ALLOWED FROM 6:00 A.M. FRIDAY TO 6:00 P.M. MONDAY.
- TEMPORARY CONCRETE BARRIER WILL NEED TO BE PLACED USING TRAFFIC CONTROL AND PROTECTION STANDARD 701401 DURING NIGHTTIME LANE CLOSURE.



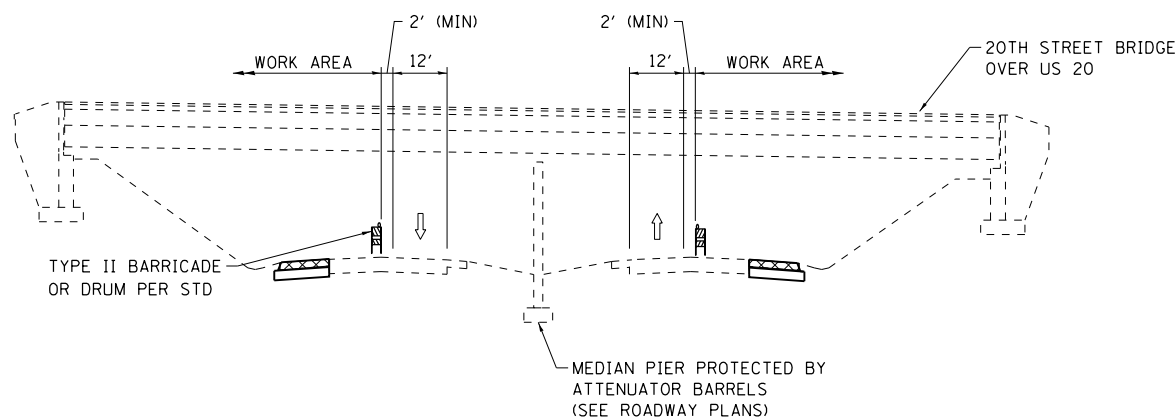
TYPICAL SECTION - STAGE 1



TYPICAL SECTION - STAGE 2

POST-STAGE 2 WORK RESTRICTIONS

- THIS WORK WILL INCLUDE FINAL BRIDGE PAINTING TOUCHUPS AND OTHER PUNCHLIST ITEMS REQUIRING A LANE CLOSURE
- ONLY OFF-PEAK LANE CLOSURES WILL BE ALLOWED (6:00 P.M. TO 6:00 AM MONDAY THROUGH FRIDAY)
- NO LANE CLOSURES ARE ALLOWED FROM 6:00 A.M. FRIDAY TO 6:00 P.M. MONDAY.
- USE TRAFFIC CONTROL AND PROTECTION STANDARDS 701400, 701401, AND 701426 WITH TMA TRUCKS FOR LANE CLOSURES
- USE TRAFFIC CONTROL AND PROTECTION STANDARD 701101 FOR ALL OTHER OFF-ROAD WORK DURING THIS STAGE



TYPICAL SECTION - POST-STAGE 2
(INSIDE LANE SHOWN - OUTSIDE LANE SIMILAR)
ONLY DURING WORKING HOURS



USER NAME = FNelson
 FILE NAME = 0264A08-sht-staging-tp.dgn
 PLOT SCALE = 48.0000' / in.
 PLOT DATE = 6/17/2020

DESIGNED - FBN
 DRAWN - RG
 CHECKED - MCV
 DATE - 6/12/2020

REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

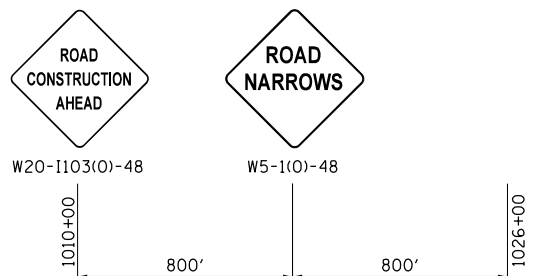
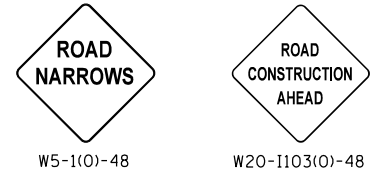
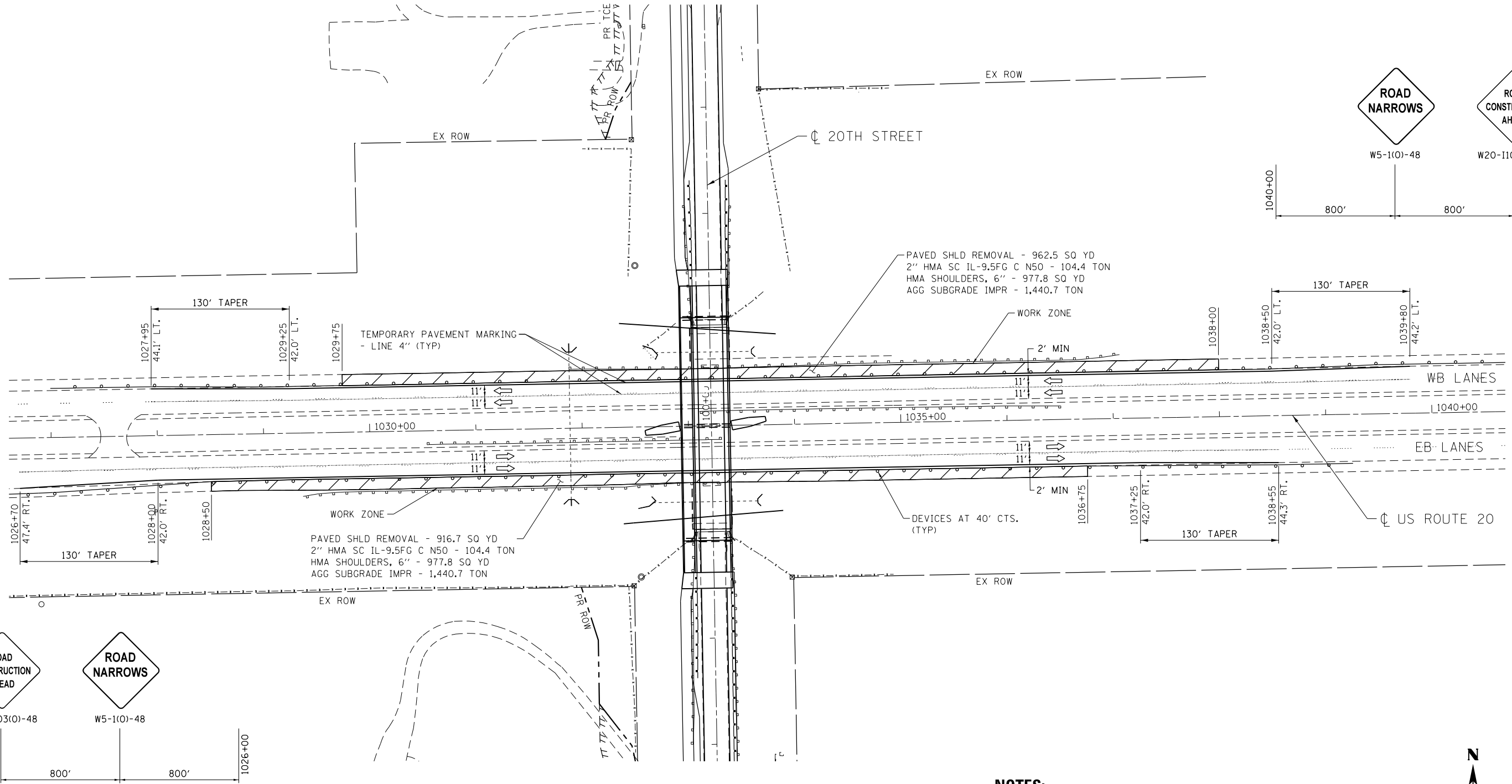
TRAFFIC CONTROL
 TYPICAL SECTIONS - US ROUTE 20

SCALE: N.T.S. SHEET NO. 2 OF 5 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	4-HBR	WINNEBAGO	148	39
CONTRACT NO. 64A08				
ILLINOIS FED. AID PROJECT				

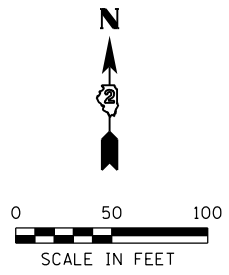
LEGEND

- I ○ TYPE II BARRICADE OR DRUM
W/ STEADY BURN LIGHT
- ➔ DIRECTION OF TRAFFIC
- ▨ WORK ZONE



NOTES:

1. USE TRAFFIC CONTROL AND PROTECTION STANDARD 701428 FOR SETUP.
2. THIS SHEET DETAILS TRAFFIC CONTROL DURING PEAK HOURS WITH ALL LANES OPEN. (SEE PRE-STAGE 1 WORK RESTRICTIONS ON "TRAFFIC CONTROL TYPICAL SECTIONS- US ROUTE 20")
3. USE TRAFFIC CONTROL AND PROTECTION STANDARDS 701400 AND 701401 FOR SHOULDER CONSTRUCTION (OFF-PEAK ONLY).



FILE NAME = S:\Projects\2013\JOBS\13-57 ESCA PTB 169 ITEM 23 D2 VARIOUS PH 1-11\WD 5 - 28th St. over US 20\CADD\CADD Sheets\0264A08-sht-staging-pre1.dgn
 MODEL = Default
 PLOT DRIVER = 100T_PDF.plt



USER NAME = FNelson	DESIGNED - FBN	REVISED -
FILE NAME = 0264A08-sht-staging-pre1.dgn	DRAWN - RG	REVISED -
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PLOT DATE = 6/12/2020	DATE - 6/12/2020	REVISED -



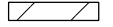


**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

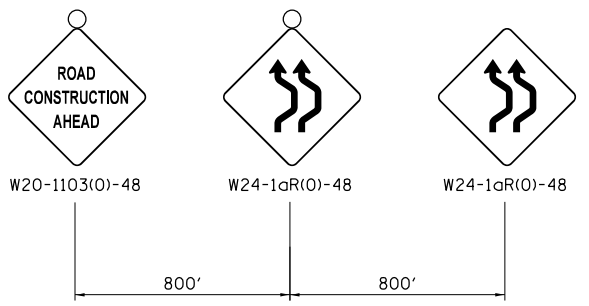
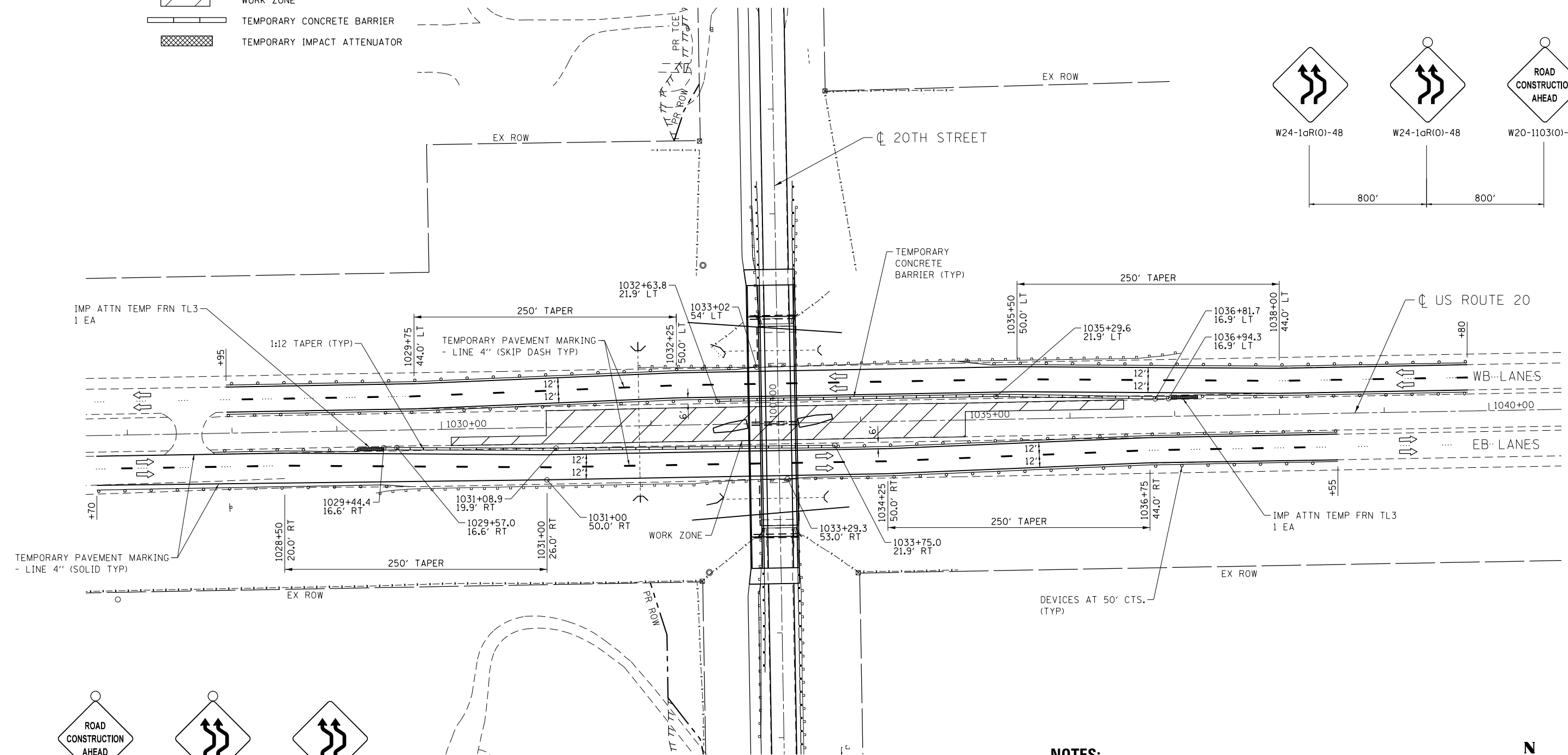
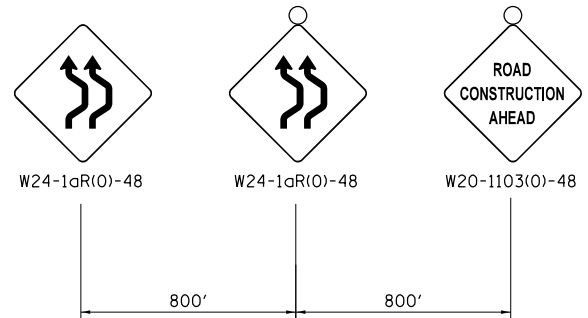
**TRAFFIC CONTROL
PRE-STAGE 1 - US ROUTE 20**

SCALE: 1" = 50' SHEET NO. 3 OF 5 SHEETS STA. 1026+70.00 TO STA. 1039+80.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	4-HBR	WINNEBAGO	148	40
CONTRACT NO. 64A08				
ILLINOIS FED. AID PROJECT				

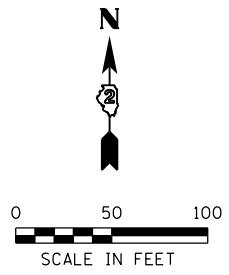
LEGEND

-  TYPE II BARRICADE OR DRUM W/ STEADY BURN LIGHT
-  DIRECTION OF TRAFFIC
-  WORK ZONE
-  TEMPORARY CONCRETE BARRIER
-  TEMPORARY IMPACT ATTENUATOR



NOTES:

1. USE TRAFFIC CONTROL AND PROTECTION STANDARD 701428 FOR SETUP.
 2. SEE SCHEDULES FOR LIMITS OF TEMPORARY PAVEMENT MARKINGS.
 3. PERMANENT ATTENUATOR BASE AND SAND MODULES MUST BE INSTALLED AT MEDIAN PIER PRIOR TO COMPLETION OF STAGE 1.
- PROPOSED WORK ON 20TH STREET OVER US 20 NOT SHOWN FOR CLARITY OF STAGING ON US 20



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
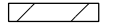
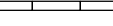

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

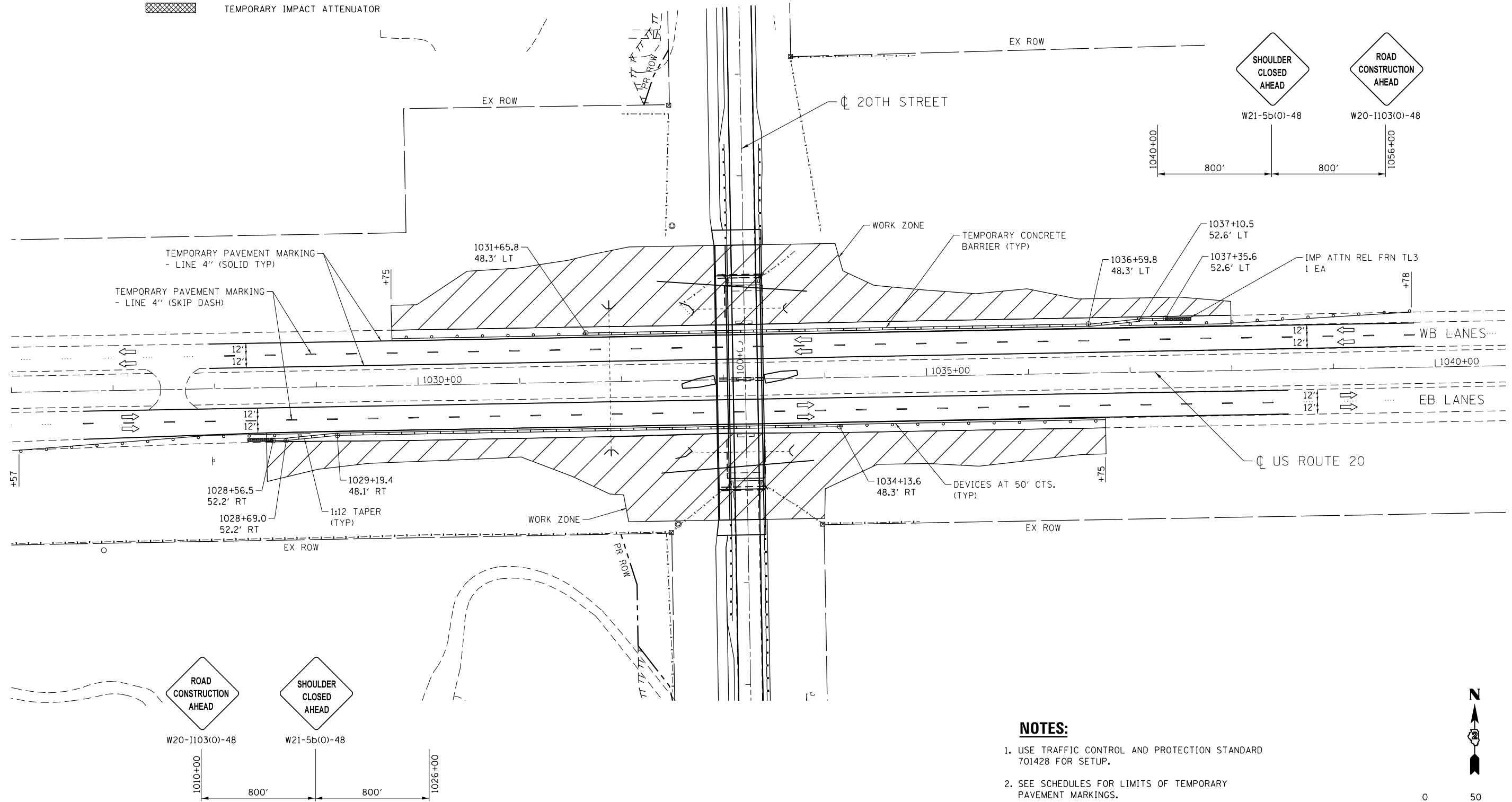
**TRAFFIC CONTROL
STAGE 1 - US ROUTE 20**

SCALE: 1" = 50' SHEET NO. 4 OF 5 SHEETS STA. 1026+70.00 TO STA. 1039+80.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	4-HBR	WINNEBAGO	148	41
CONTRACT NO. 64A08				
ILLINOIS FED. AID PROJECT				

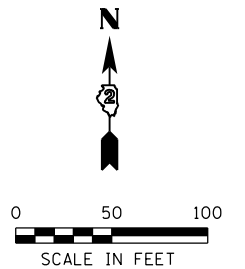
LEGEND

-  TYPE II BARRICADE OR DRUM
W/ STEADY BURN LIGHT
-  DIRECTION OF TRAFFIC
-  WORK ZONE
-  TEMPORARY CONCRETE BARRIER
-  TEMPORARY IMPACT ATTENUATOR



NOTES:

1. USE TRAFFIC CONTROL AND PROTECTION STANDARD 701428 FOR SETUP.
 2. SEE SCHEDULES FOR LIMITS OF TEMPORARY PAVEMENT MARKINGS.
- PROPOSED WORK ON 20TH STREET OVER US 20 NOT SHOWN FOR CLARITY OF STAGING ON US 20



FILE NAME = S:\Projects\2013\JOBS\13-57 ESCA\PTB 169 ITEM 23 D2 VARIOUS PH 1-11\WD 5 - 28th St over US 20\CADD\CADD Sheets\0264A08-sht-staging-2.dgn
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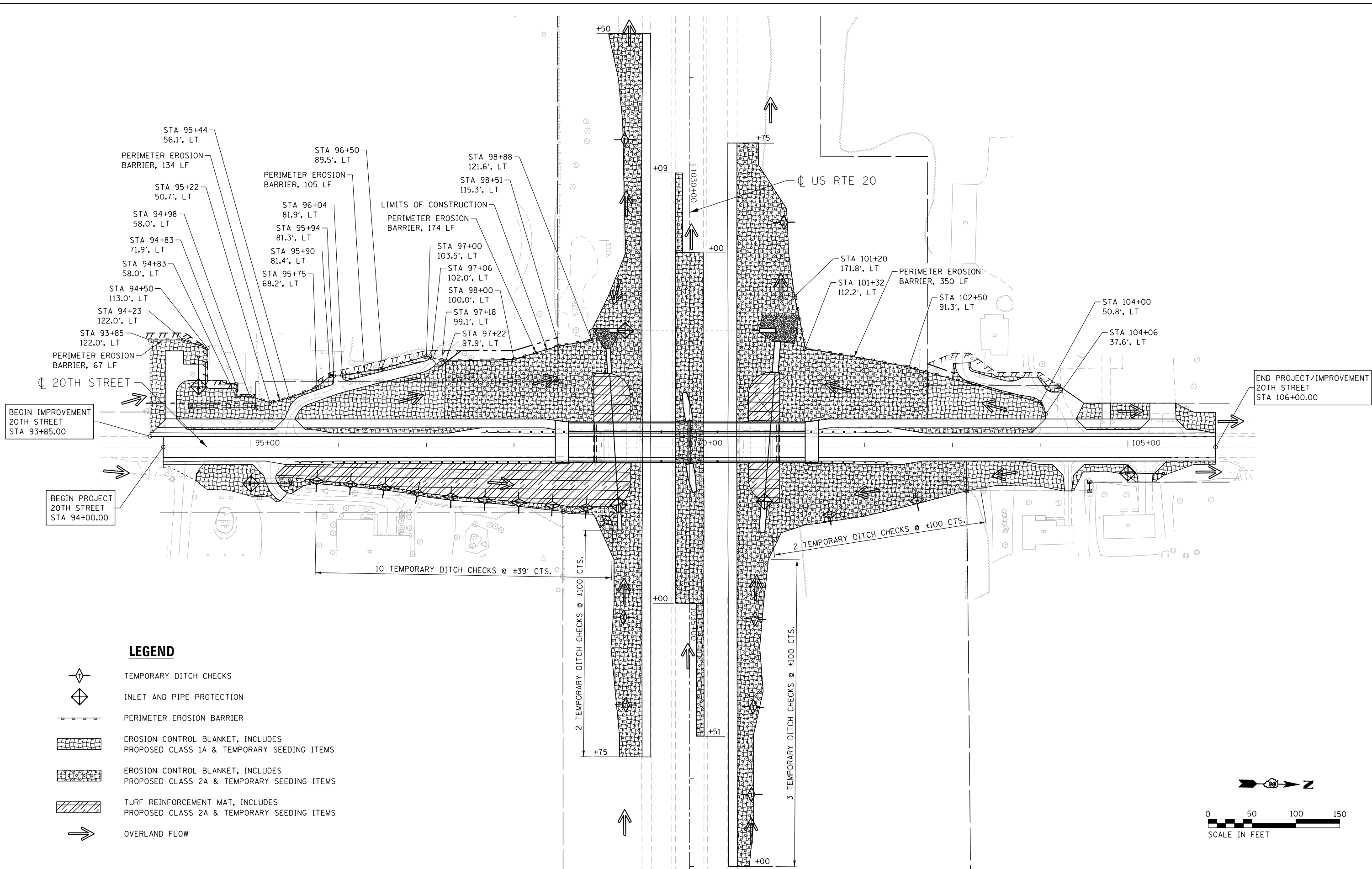
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC CONTROL
STAGE 2 - US ROUTE 20**

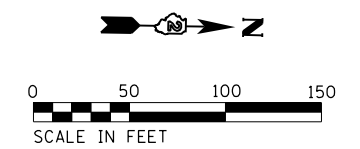
SCALE: 1" = 50' SHEET NO. 5 OF 5 SHEETS STA. 1026+70.00 TO STA. 1039+80.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	4-HBR	WINNEBAGO	148	42
CONTRACT NO. 64A08				
ILLINOIS FED. AID PROJECT				

FILE NAME = S:\Projects\2013\JOBS\13-57\ESCA\PTB 169\ITEM 23 D2 VARIOUS PH 1-11\WD 5 - 28th St over US 20\CADD\CADD Sheets\0264A08-sht-eros.dgn
 MODEL = Default
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- LEGEND**
- TEMPORARY DITCH CHECKS
 - INLET AND PIPE PROTECTION
 - PERIMETER EROSION BARRIER
 - EROSION CONTROL BLANKET, INCLUDES PROPOSED CLASS 1A & TEMPORARY SEEDING ITEMS
 - EROSION CONTROL BLANKET, INCLUDES PROPOSED CLASS 2A & TEMPORARY SEEDING ITEMS
 - TURF REINFORCEMENT MAT, INCLUDES PROPOSED CLASS 2A & TEMPORARY SEEDING ITEMS
 - OVERLAND FLOW



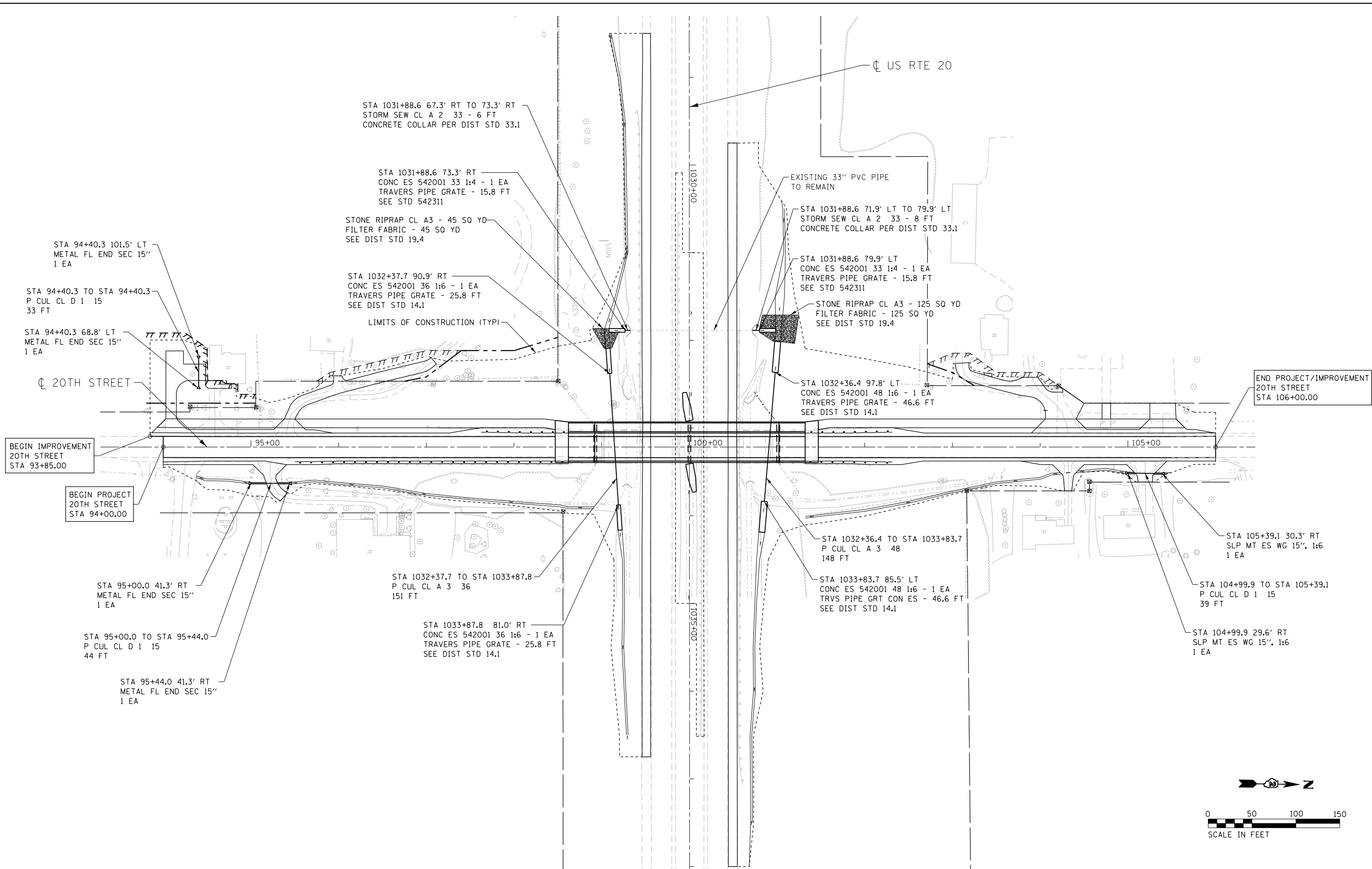
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PLOT DATE = 6/12/2020	DATE - 6/12/2020	REVISED -


**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

EROSION & SEDIMENT CONTROL PLAN			
SCALE: 1" = 50'	SHEET NO. 1 OF 1 SHEETS	STA. 94+00.00 TO STA. 106+00.00	

F.A.P. RTE. 301	SECTION 4-HBR	COUNTY WINNEBAGO	TOTAL SHEETS 148	SHEET NO. 43
CONTRACT NO. 64A08				
ILLINOIS FED. AID PROJECT				

FILE NAME = S:\Projects\2013 JOBS\13-57 ESCA PTB 169 ITEM 23 D2 VARIOUS PH 1-11\WD 5 - 20th St. over US 20\CADD\CADD Sheets\0264A08-sht-drain.dgn
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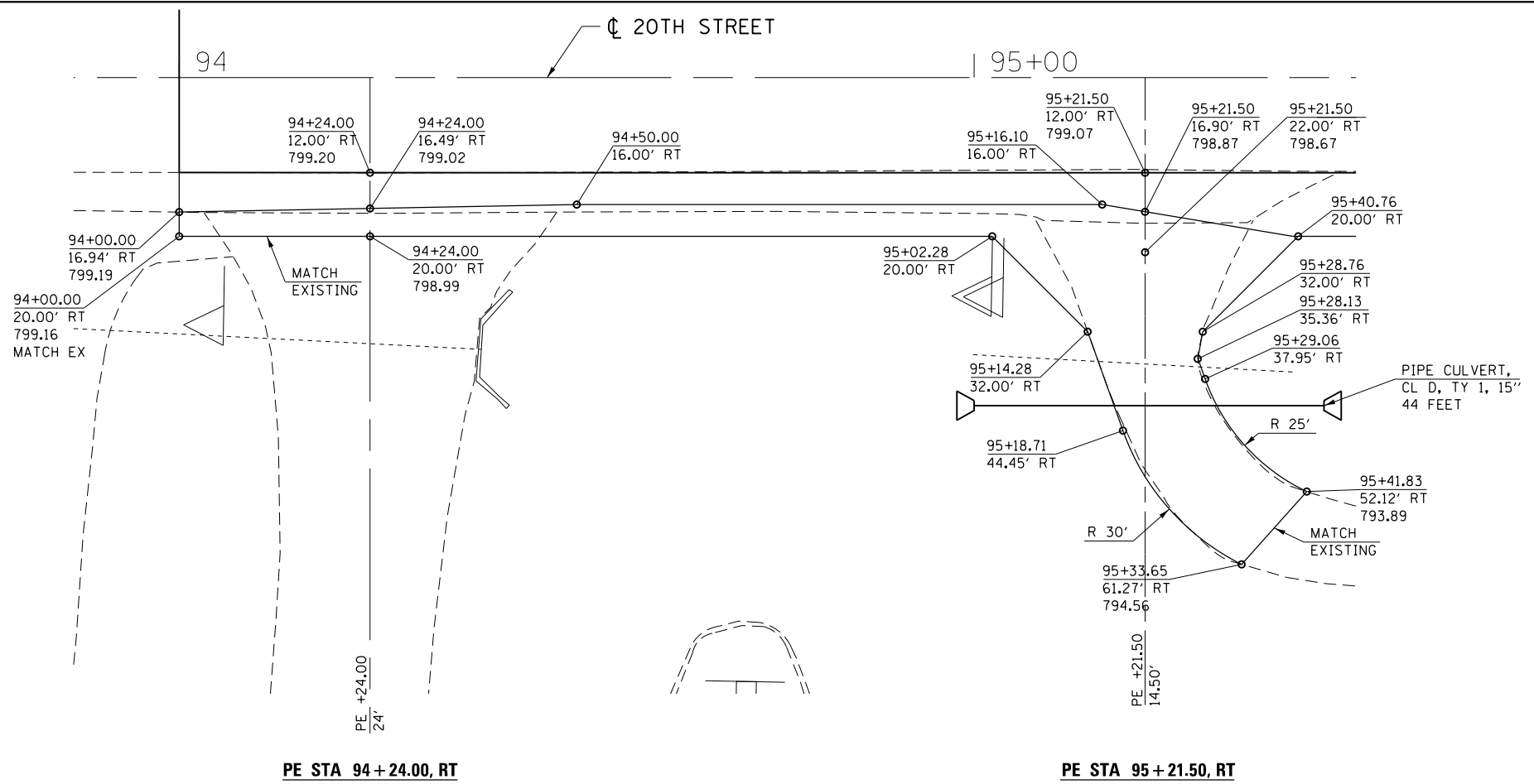


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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

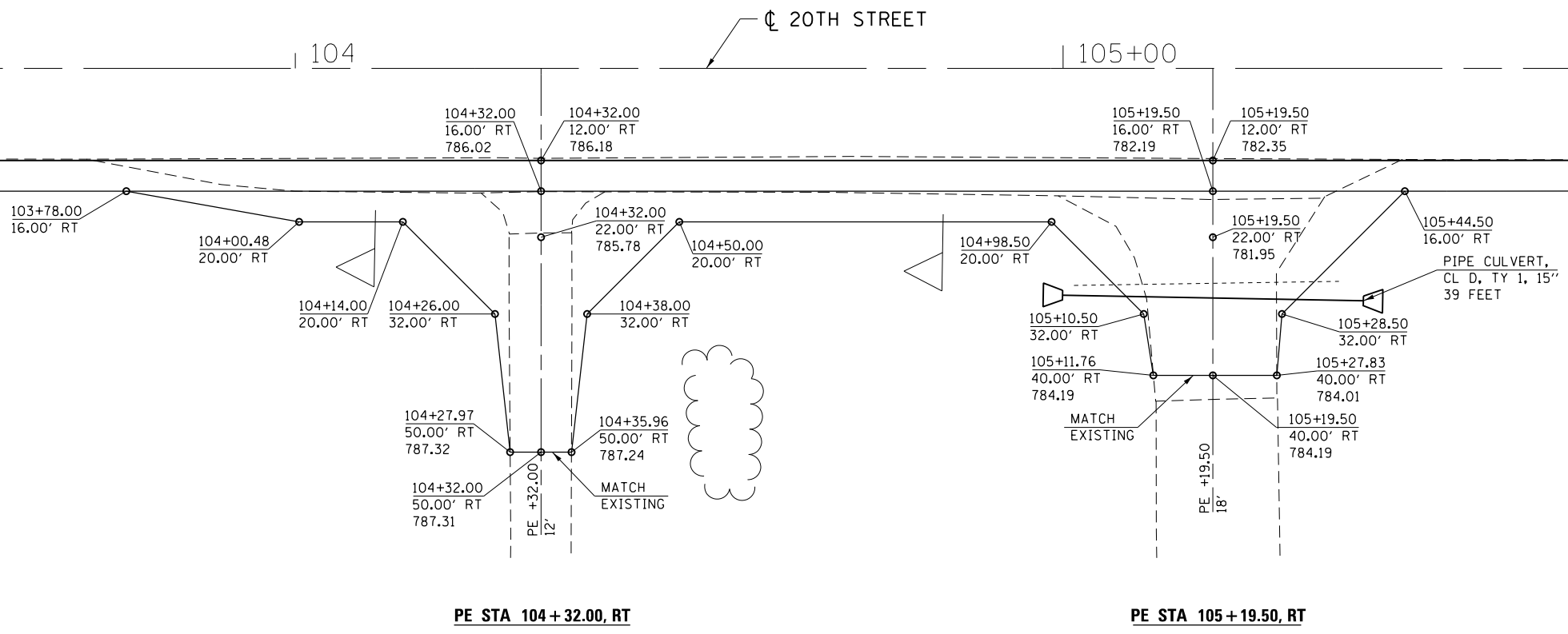
DRAINAGE PLAN	
SCALE: 1" = 50'	SHEET NO. 1 OF 1 SHEETS
STA.	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	4-HBR	WINNEBAGO	148	44
CONTRACT NO. 64A08				
ILLINOIS FED. AID PROJECT				



ALL ENTRANCES & MAILBOX TURNOUTS:
2 1/4" INCIDENTAL HMA SURFACING WITH
8" AGGREGATE BASE COURSE, TYPE B

0 10 20 30
SCALE IN FEET



ALL ENTRANCES & MAILBOX TURNOUTS:
2 1/4" INCIDENTAL HMA SURFACING WITH
8" AGGREGATE BASE COURSE, TYPE B

0 10 20 30
SCALE IN FEET

FILE NAME = S:\Projects\2013 JOBS\13-57 ESCA PTB 169 ITEM 23 D2 VARIOUS PH 1-11\WD 5 - 28th St. over US 20\CADD\CADD Sheets\0264A08-sht-details-entrances.dgn
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USER NAME = FNelson	DESIGNED - FBN	REVISED -
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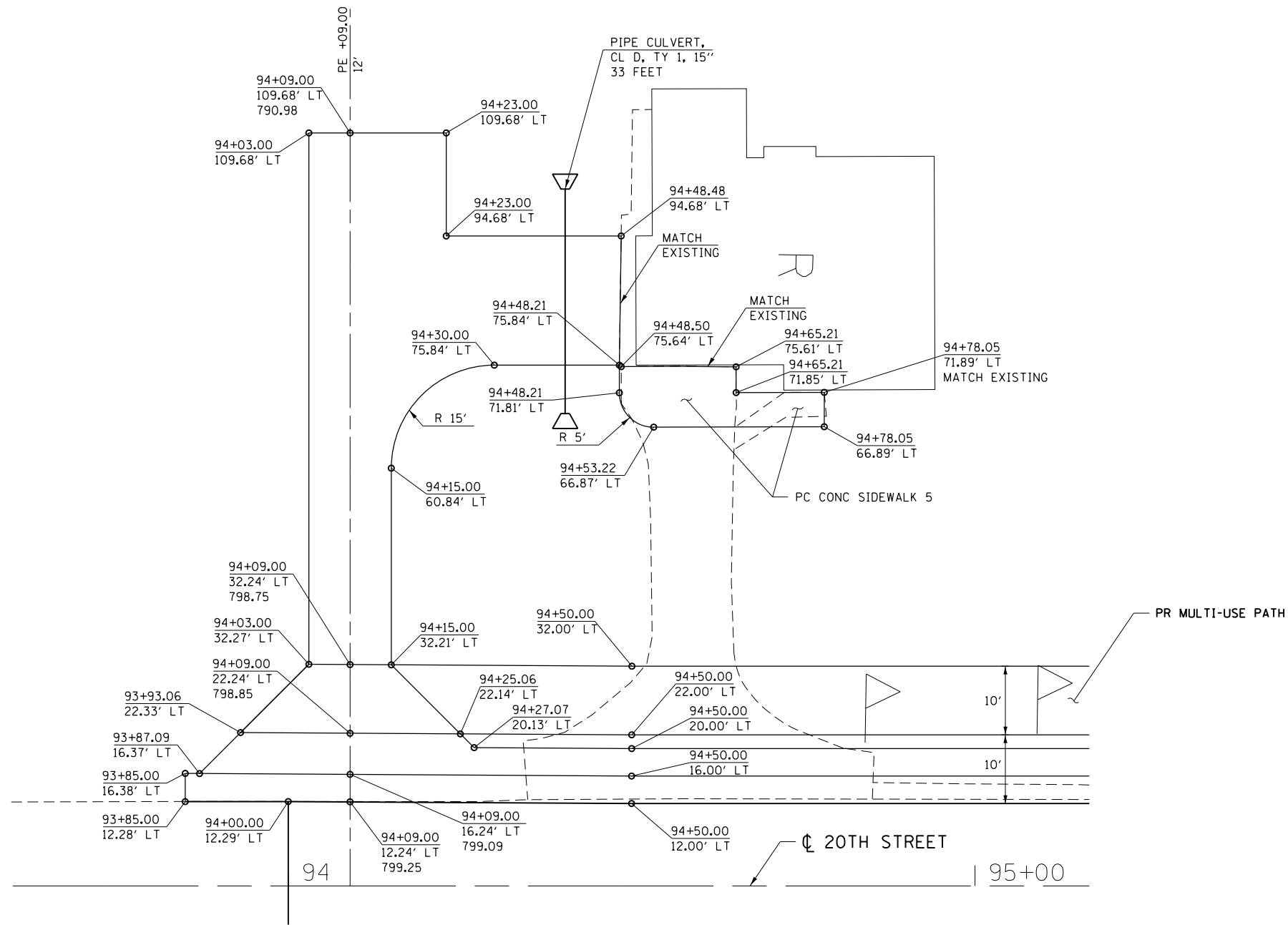
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ENTRANCE DETAILS

SCALE: 1" = 10' SHEET NO. 1 OF 4 SHEETS STA. TO STA.

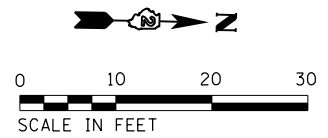
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	4-HBR	WINNEBAGO	148	45
CONTRACT NO. 64A08				
ILLINOIS FED. AID PROJECT				

FILE NAME = S:\Projects\2013 JOBS\13-57 ESCA PTB 169 ITEM 23 D2 VARIOUS PH 1-11\WD 5 - 28th St over US 20\CADD\CADD Sheets\0264A08-sht-details-entrances.dgn
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PE STA 94+09.00, LT

ALL ENTRANCES & MAILBOX TURNOUTS:
 2 1/4" INCIDENTAL HMA SURFACING WITH
 8" AGGREGATE BASE COURSE, TYPE B



USER NAME = FNelson	DESIGNED - FBN	REVISED -
FILE NAME = D264A08-sht-details-entrances.dgn	DRAWN - SM	REVISED -
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PLOT DATE = 6/12/2020	DATE - 6/12/2020	REVISED -

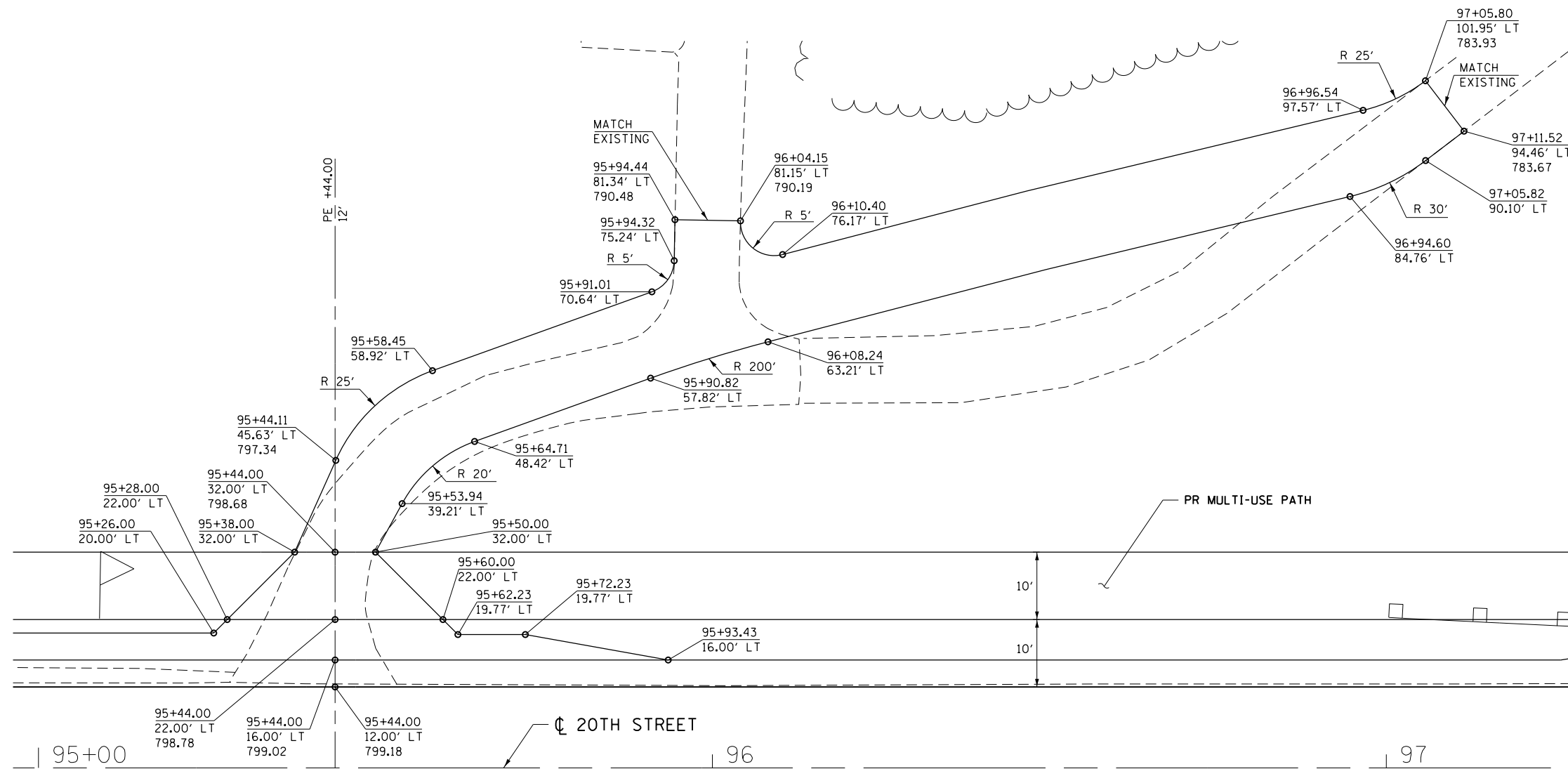
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

ENTRANCE DETAILS

SCALE: 1" = 10' SHEET NO. 2 OF 4 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	4-HBR	WINNEBAGO	148	46
CONTRACT NO. 64A08				
ILLINOIS FED. AID PROJECT				

FILE NAME = S:\Projects\2013 JOBS\13-57 ESCA PTB 169 ITEM 23 D2 VARIOUS PH 1-11\WD 5 - 28th St over US 20\CADD\CADD Sheets\0264A08-sht-details-entrances.dgn
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PE STA 95 + 44.00, LT

ALL ENTRANCES & MAILBOX TURNOUTS:
 2 1/4" INCIDENTAL HMA SURFACING WITH
 8" AGGREGATE BASE COURSE, TYPE B



USER NAME = FNelson	DESIGNED - FBN	REVISED -
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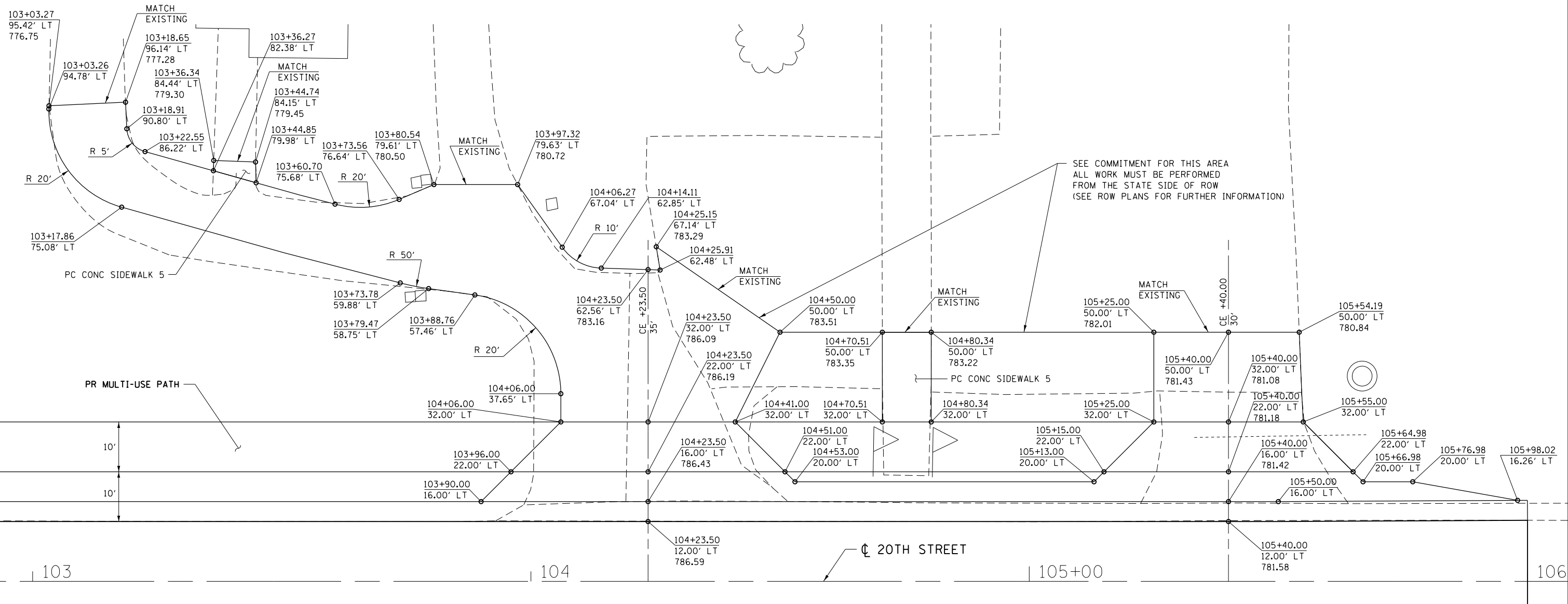
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

ENTRANCE DETAILS

SCALE: 1" = 10' SHEET NO. 3 OF 4 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	4-HBR	WINNEBAGO	148	47
CONTRACT NO. 64A08				
ILLINOIS FED. AID PROJECT				

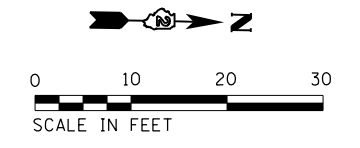
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CE STA 104 + 23.50, LT

CE STA 105 + 40.00, LT

ALL ENTRANCES & MAILBOX TURNOUTS:
 2 1/4" INCIDENTAL HMA SURFACING WITH
 8" AGGREGATE BASE COURSE, TYPE B



USER NAME = FNelson	DESIGNED - FBN	REVISED -
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PLOT DATE = 6/12/2020	DATE - 6/12/2020	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

ENTRANCE DETAILS

SCALE: 1" = 10' SHEET NO. 4 OF 4 SHEETS STA. TO STA.

F.A.P. RTE. 301	SECTION 4-HBR	COUNTY WINNEBAGO	TOTAL SHEETS 148	SHEET NO. 48
CONTRACT NO. 64A08				
ILLINOIS FED. AID PROJECT				

ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS
F.A. 194	4HB	WINNEBAGO	24
STA.	TO STA.		
FED. ROAD DIST. NO. 7 ILLINOIS			PROJ. U-284

hd-9

INDEX OF SHEETS

1. TITLE SHEET
2. GENERAL NOTES - TYPICAL SECTIONS - SUMMARY OF QUANTITIES
3. PLAN AND PROFILE (20TH ST)
4. PLAN AND PROFILE (20TH ST)
5. PLAN AND PROFILE (BYPASS)
6. GENERAL BRIDGE PLAN
7. BORING LOGS - GENERAL NOTES FOR BRIDGE
8. PIERS 1, 2, AND 3
9. ABUTMENT PART 1
10. ABUTMENT PART 2
11. DECK PLAN
12. STEEL FRAMING PLAN
13. STEEL DETAILS
14. HANDRAIL DETAILS
15. REINFORCING SCHEDULE
16. CROSS SECTIONS (20TH ST)
17. CROSS SECTIONS (20TH ST)
18. CROSS SECTIONS (DETOUR ROAD)
19. CROSS SECTION (BYPASS)
20. CROSS SECTION (BYPASS)
21. PRIVATE ENTRANCE APPROACHES - MAIL BOX TURNOUT
22. STANDARD FOR CONCRETE PILES
23. STANDARD 1971 - 5 ("ROAD UNDER CONST." SIGN)
STANDARD 1972 - 1 (BARRICADE)
STANDARD 2114 (FLAGMANS TRAFFIC CONTROL SIGN)
STANDARD 2158-1 (SIGN FOR HIGHWAY IMPROVEMENT)
24. STANDARD 2113 (NAME PLATE)
STANDARD 1687-3 (STEEL PLATE BEAM GUARD RAIL)

STATE OF ILLINOIS DEPARTMENT OF PUBLIC WORKS AND BUILDINGS DIVISION OF HIGHWAYS PLANS FOR PROPOSED FEDERAL AID HIGHWAY TWENTIETH STREET BRIDGE OVER WINNEBAGO COUNTY ROCKFORD BYPASS F.A. ROUTE 194 SECTION 4HB PROJECT U-284 (14)

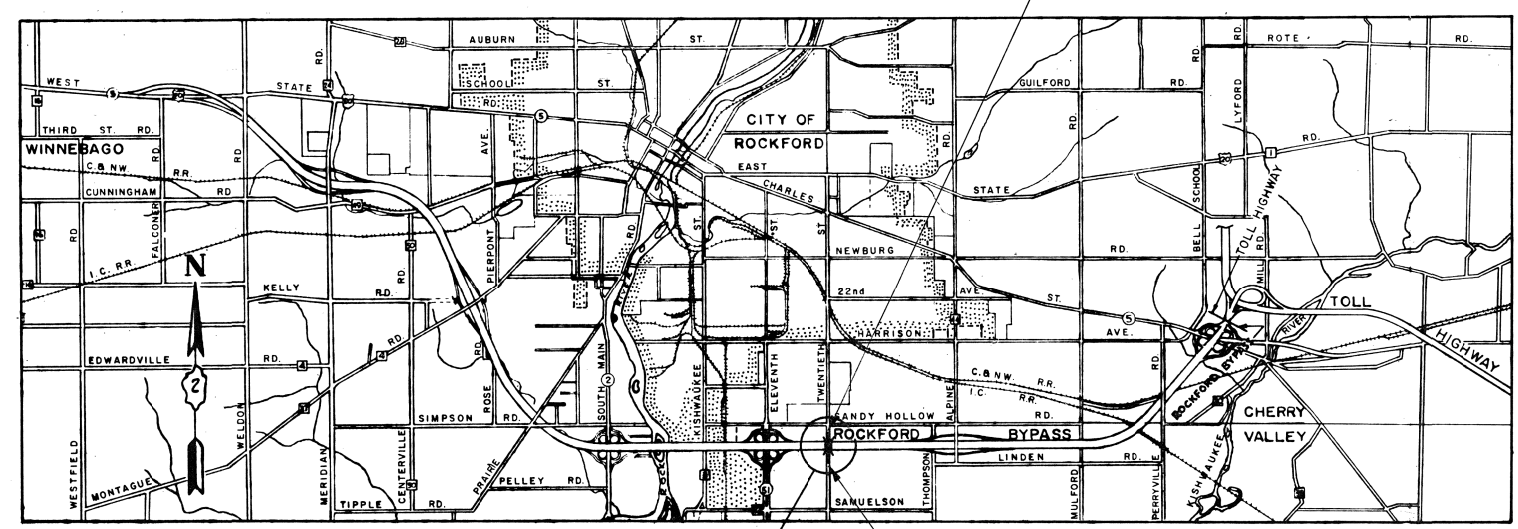


LOCATION OF SECTION INDICATED THUS: -

SECTION 4HB CONSISTS OF THE CONSTRUCTION OF ONE (1) WIDE FLANGE BEAM GRADE SEPARATION BRIDGE (20TH STREET OVER ROCKFORD BYPASS) SPANS: 1 @ 38'-0", 1 @ 55'-6", 1 @ 55'-6", 1 @ 44'-0" AT STATION 594 + 32.73 AT THE INTERSECTION OF 20TH STREET AND THE ROCKFORD BYPASS INCLUDING THE FURNISHING AND FABRICATING OF THE STRUCTURAL STEEL, FURNISHING AND APPLYING ONE SHOP COAT AND TWO FIELD COATS OF PAINT AND THE DELIVERY OF THE STRUCTURAL STEEL TO THE SITE AND THE CONSTRUCTION OF 20TH STREET FROM STA. -4 + 00 TO STA. 18 + 00

ROAD CLASSIFICATION:
F.A. ROUTE 194 870 - T-70
20th STREET 90 - P-55

NET LENGTH OF PROJECT : 0 MILE
NET LENGTH OF SECTION : 1400 FT. = 0.265 MILE



SEC. 4-HB BEGINS STA. 4+00 (20th ST.)

SEC. 4-HB ENDS STA. 18+00 (20th ST.)

MACCABEE, CAMPBELL & ASSOCIATES
CONSULTING ENGINEERS
173 W. MADISON ST. CHICAGO, ILL.

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

DESIGNED BY: *M. T. Mather* JULY 3, 1962

EXAMINED BY: *William J. Hall* AUGUST 2, 1962

PASSED BY: *August* AUGUST 2, 1962

APPROVED BY: *W. J. Hall* AUGUST 2, 1962

APPROVED BY: *W. J. Hall* AUGUST 2, 1962

DEPARTMENT OF COMMERCE
BUREAU OF PUBLIC ROADS

APPROVED _____ DATE _____

DIVISION ENGINEER _____

Ben Mather

JOB NO 22576
FA Rte. 194 Section 4HB Winnebago County

FILE NAME = S:\Projects\2013 JOBS\13-57 ESCA PTB 169 ITEM 23 D2 VARIOUS PH 1-11\WD 5 - 20th St. over US 20\CADD\CADD Sheets\0264A08-sht-Ex-Str.dgn
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PLOT DATE = 6/12/2020	DATE - 6/12/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING STRUCTURE PLANS
(FOR INFORMATION ONLY)

SCALE: SHEET NO. 1 OF 17 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	4-HBR	WINNEBAGO	148	49
CONTRACT NO. 64A08				
ILLINOIS FED. AID PROJECT				

**STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS AND BUILDINGS
DIVISION OF HIGHWAYS
PLANS FOR PROPOSED
FEDERAL AID HIGHWAY**

ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS
194	4HB-1	WINNEBAGO	1
STA.	TO STA.		
FED. ROAD DIST. NO. 7 ILLINOIS	PROJ. U-284		

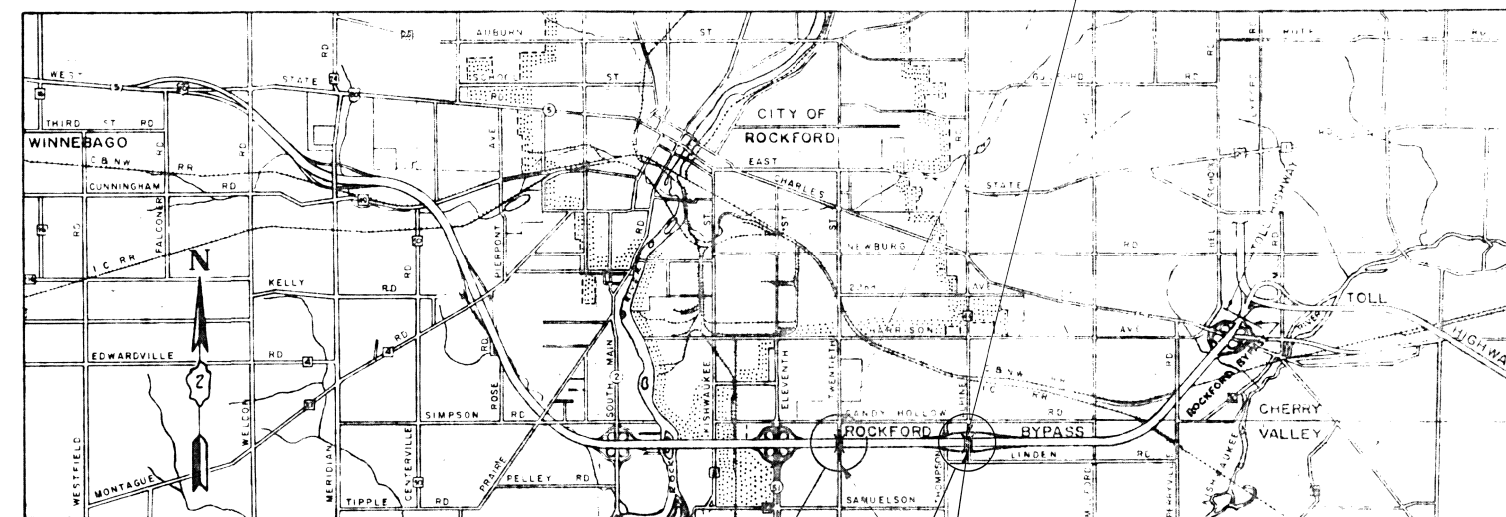
WINNEBAGO COUNTY

F.A. ROUTE 194 SECTION 4HB, 4HB-1

PROJECT U284 (14)

SECTION 4HB-1 CONSISTS OF THE CONSTRUCTION OF ONE WF BEAM GRADE SEPARATION STRUCTURE (ALPINE ROAD OVER THE ROCKFORD BYPASS) SPANS 1 @ 42'-0", 1 @ 55'-6", 1 @ 55'-6" AND 1 @ 42'-0" AT STATION 672 PLUS 56.23 AT THE INTERSECTION OF ALPINE ROAD AND THE ROCKFORD BYPASS INCLUDING THE FURNISHING AND FABRICATING OF THE STRUCTURAL STEEL, FURNISHING AND APPLYING ONE SHOP COAT AND TWO FIELD COATS OF PAINT AND THE DELIVERY OF THE STRUCTURAL STEEL TO THE SITE.

SECTION 4HB CONSISTS OF THE CONSTRUCTION OF ONE (1) WIDE FLANGE BEAM GRADE SEPARATION BRIDGE (20TH. STREET OVER ROCKFORD BYPASS) SPANS: 1 @ 38'-0", 1 @ 55'-6", 1 @ 55'-6", 1 @ 44'-0" AT STATION 594 + 32.73 AT THE INTERSECTION OF 20TH. STREET AND THE ROCKFORD BYPASS INCLUDING THE FURNISHING AND FABRICATING OF THE STRUCTURAL STEEL, FURNISHING AND APPLYING ONE SHOP COAT AND TWO FIELD COATS OF PAINT AND THE DELIVERY OF THE STRUCTURAL STEEL TO THE SITE AND THE CONSTRUCTION OF BOTH SIDES FROM STA. 4+00 TO STA. 16+00



SEC. 4-HB BEGINS STA. 4+00 (20th ST.)

SEC. 4HB-1 BEGINS STA. 34+26.49 (ALPINE RD)

SEC. 4HB-1 ENDS STA. 36+25.15 (ALPINE RD)

SEC. 4-HB ENDS STA. 18+00 (20th ST.)

NET LENGTH OF PROJECT 12.00 MILE

MACCABEE, CAMPBELL & ASSOCIATES

CONSULTING ENGINEERS
175 W. MADISON ST. CHICAGO, ILL.



LOCATION OF SECTION INDICATED THIS: —
SPECIAL COVER SHEET PREPARED FOR
BUREAU OF PUBLIC ROADS.

STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS AND BUILDINGS
DIVISION OF HIGHWAYS
SUBMITTED JULY 3, 1962
M. T. Mendenhall
APPROVED AUGUST 9, 1962
W. J. Anderson
APPROVED AUGUST 8, 1962
M. T. Mendenhall
APPROVED AUGUST 8, 1962
M. T. Mendenhall

DEPARTMENT OF COMMERCE
BUREAU OF PUBLIC ROADS
APPROVED _____
DIVISION ENGINEER DATE

PA Rte. 194 Section 4HB, 4HB-1 Winnebago County

FILE NAME = S:\Projects\2013 JOBS\13-57 ESCA PTB 169 ITEM 23 D2 VARIOUS PH 1-11\WD 5 - 26th St. over US 20\CADD\CADD Sheets\0264A08-sht-Ex-Str.dgn
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PLOT DATE = 6/12/2020	DATE - 6/12/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING STRUCTURE PLANS
(FOR INFORMATION ONLY)

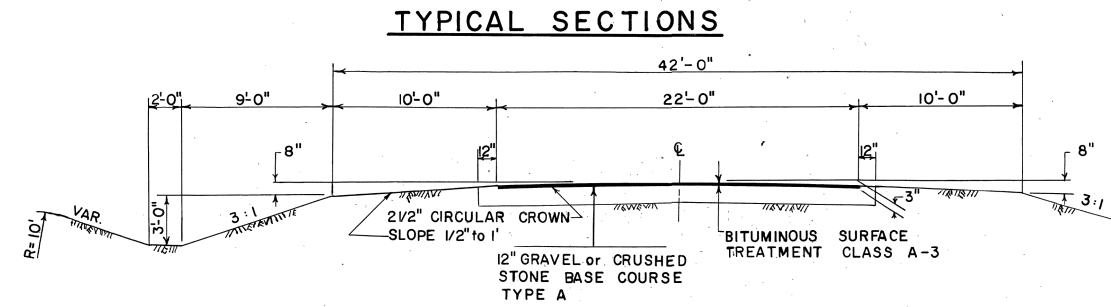
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301	4-HBR	WINNEBAGO	148	50
CONTRACT NO. 64A08				
ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES SEC. 4-HB

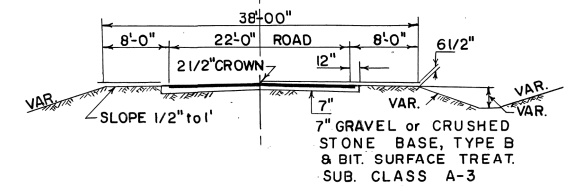
FA-194 4-HB WINNEBAGO 24 2
U-284(14)

QUANTITIES			UNIT	ITEM	CODE
BRIDGE	ROAD	TOTAL			
	75	75	IN. DIA.	TREE REMOVAL (6" TO 15" DIA.)	010001
	125	125	IN. DIA.	TREE REMOVAL (OVER 15" DIA.)	010002
	4,404	4,404	CU. YDS.	EARTH EXCAVATION	011001
	31,664	31,664	CU. YDS.	BORROW EXCAVATION	013001
	70	70	CU. YDS.	TRENCH BACKFILL	020001
	2,243	2,243	TON	GRAVEL OR CRUSHED STONE BASE COURSE TYPE A	029001
	881	881	TON	GRAVEL OR CRUSHED STONE BASE COURSE TYPE B	029003
	2,091	2,091	GAL.	BITUMINOUS MATERIALS (PRIME COAT)	039001
	3,831	3,831	GAL.	BITUMINOUS MATERIALS (COVER AND SEAL COAT)	039002
	103	103	TON	COVER COAT AGGREGATE	039003
	47	47	TON	SEAL COAT AGGREGATE	039004
	280	280	CU. YDS.	CLASS A EXCAVATION FOR STRUCTURES	050001
	419.2	419.2	CU. YDS.	CLASS X CONCRETE	052003
	140,760	140,760	POUNDS	FURNISHING AND ERECTING STRUCTURAL STEEL	054001
	830	830	SQ. YD.	PROTECTIVE COAT	052021
	88	88	LIN. FT.	PIPE CULVERT TYPE 2A, REINFORCED CONCRETE CULVERT, (CLASS III) 30"	058101
	96	96	LIN. FT.	PIPE CULVERT TYPE 2A, REINFORCED CONCRETE CULVERT, (CLASS III) 36"	058103
	190	190	LIN. FT.	PIPE CULVERT TYPE 1, 15"	058199
	40	40	LIN. FT.	PIPE CULVERT TYPE 1, 18"	058200
	70	70	LIN. FT.	PIPE CULVERT TYPE 1, 30"	058204
	72	72	LIN. FT.	PIPE CULVERT TYPE 1, 36"	058206
	62,600	62,600	POUNDS	REINFORCEMENT BARS	059001
	648	648	LIN. FT.	FURNISHING GRSOATED PILES (UP 20')	060004
	1	1	EACH	TEST PILE TIMBER	060007
	900	900	LIN. FT.	DRIVING TIMBER PILES	060008
	990	990	LIN. FT.	FURNISHING CONCRETE PILES	060044
	1,320	1,320	LIN. FT.	DRIVING CONCRETE PILES	060043
	1	1	EACH	TEST PILE CONCRETE	060041
	847	847	LIN. FT.	DRIVING CONCRETE PILES	060043
	1,320	1,320	LIN. FT.	DRIVING CONCRETE PILES	060043
	54	54	EACH	METAL SHOES	060042
	2	2	EACH	NAME PLATES	061001
	192	192	SQ. YDS.	DRIVEWAY PAVEMENT REMOVAL	082002
	504	504	LIN. FT.	COMBINATION CURB AND GUTTER REMOVAL	089006
	150	150	SQ. FT.	SIDEWALK REMOVAL	082006
	404	404	SQ. YDS.	SLOPE WALL 4"	083002
	105	105	SQ. YDS.	PORTLAND CEMENT CONCRETE DRIVEWAY 7"	088003
	239	239	SQ. FT.	PORTLAND CEMENT CONCRETE SIDEWALK 5"	089003
	699	699	LIN. FT.	STEEL PLATE BEAM GUARD RAIL	094001
	220	220	CU. YDS.	STOCK-PILED SALVAGED AGGREGATE	101007
	220	220	CU. YDS.	STOCK-PILED AGGREGATE	101008
	15	15	EACH	FURNISHING AND ERECTING R.O.W. MARKERS	104001
	2.0	2.0	ACRES	TEMPORARY SEEDING	110001
	1.0	1.0	ACRES	COMPLETE SEEDING	110004
	0.2	0.2	TON	FERTILIZER NUTRIENTS	110005
	5.0	5.0	TON	STRAW FOR ASPHALT-COATED MULCH	111002
	425	425	GAL.	EMULSIFIED ASPHALT	111003
	2,500	2,500	SQ. YDS.	SODDING	112001
	2,496	2,496	SQ. YDS.	SODDING	112001
	390	390	LIN. FT.	ALUMINUM HANDRAIL	Z00004



TYPICAL SECTION, 20TH STREET

THE NOMINAL THICKNESSES FOR SUB-BASE GRANULAR MATERIAL AND GRAVEL OR CRUSHED STONE SHOULDERS TYPE A; BASE AND SURFACE COURSES ARE SHOWN ON THE TYPICAL SECTIONS, STANDARDS, SCHEDULES OR SPECIAL DETAILS. THE CONSTRUCTED THICKNESSES OF THE ABOVE ITEMS SHALL NOT BE LESS THAN 90 PER CENT OF THE NOMINAL THICKNESS AT ANY LOCATION.



TYPICAL SECTION, DETOUR ROAD

GENERAL NOTES

ENTIRE SECTION INSPECTED AND APPROVED AS TO POLICY
DATE JULY 3, 1962
DISTRICT ENGINEER M. N. Mealer

AT THE LOCATIONS WHERE EXCAVATION QUANTITIES ON THE PLANS ARE INDICATED AS HAVING BEEN ESTIMATED, THE RESIDENT ENGINEER WILL OBTAIN ORIGINAL AND FINAL CROSS SECTIONS TO DETERMINE PAY QUANTITIES.

EXCAVATION IN EXISTING BITUMINOUS OR GRAVEL ROAD TO BE PAID FOR AS EARTH EXCAVATION.

CONTRACTOR TO REMOVE ALL STRUCTURES WITHIN THE RIGHT-OF-WAY WITHOUT ADDITIONAL COMPENSATION, UNLESS EXTRA PAY IS SPECIFICALLY NOTED.

SEE CROSS SECTIONS FOR SPECIAL DITCHES AND BACK SLOPES.

THE CONTRACTOR SHALL CAREFULLY PRESERVE ALL PROPERTY MARKS UNTIL AN OWNER OR AUTHORIZED SURVEYOR OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION.

PLACE RIGHT-OF-WAY MARKERS THROUGHOUT THE SECTION AS DIRECTED BY THE ENGINEER.
ESTIMATED: 10 EACH FURNISHING AND ERECTING RIGHT-OF-WAY MARKERS.

THE CONTRACTOR SHALL REMOVE ALL ENTRANCE CULVERTS, WHICH ARE NOT TO BE LEFT IN PLACE, IN CONDITION FOR RE-USE. THEY SHALL BE CLEANED AND STORED ALONG THE RIGHT-OF-WAY AS DIRECTED. IN NO CASE SHALL THEY BE ROUGHLY HANDLED OR SAVED BY HEAVY MACHINERY. UNLESS OTHERWISE SPECIFIED.

STABLE MATERIAL SHALL BE DISPOSED OF BY THE CONTRACTOR AT HIS EXPENSE. COST OF THE ABOVE WORK TO BE INCLUDED IN THE CONTRACT UNIT PRICE PER CUBIC YARD FOR EARTH EXCAVATION.

CONTRACTOR TO MULCH ALL AREAS TO BE SEEDDED WITH ASPHALT COATED MULCH. ESTIMATED: 495 GALS. EMULSIFIED ASPHALT ESTIMATED: 5.0 TONS. STRAW FOR ASPHALT COATED MULCH

TWO SIGNS CONFORMING TO STANDARD 2158-1 SHALL BE ERECTED AT LOCATIONS AS DIRECTED BY THE ENGINEER.

THE SALVAGED AGGREGATE FROM THE DETOUR ROAD AND TEMPORARY CONNECTIONS TO BE PLACED IN ACCORDANCE WITH THE PLANS OR AS DIRECTED BY THE ENGINEER.

SEE SHEET NO. 7 FOR GENERAL NOTES FOR BRIDGE.

FOUNDATIONS, WALLS, STEPS, WELLS OR OTHER UNDERGROUND STRUCTURES OF RESIDENCES, BUSINESS ESTABLISHMENTS, OR FARM UNITS ORIGINALLY LOCATED ON THE RIGHT-OF-WAY SHALL HAVE THE CONCRETE OR MASONRY REMOVED BY THE CONTRACTOR TO AN ELEVATION 12 INCHES BELOW THE SUBGRADE OR FINAL GROUND LINE.

BASEMENTS OR WELLS SHALL BE FILLED WITH EARTH UNLESS A PORTION OF THE STRUCTURE IS WITHIN THE ROADBED, IN WHICH CASE THE STRUCTURE SHALL BE FILLED IN ACCORDANCE WITH ARTICLES 19.2 AND 19.3 OF THE STANDARD SPECIFICATIONS. THE CONCRETE OR MASONRY FLOOR OF ANY BASEMENT TO BE FILLED SHALL BE BROKEN OR PERFORATED AS DIRECTED BY THE ENGINEER, TO ALLOW SEEPAGE.

THE COST OF REMOVING AND DISPOSING OF ANY CONCRETE OR MASONRY AND FILLING UNDERGROUND STRUCTURES AS DESCRIBED ABOVE SHALL BE CONSIDERED INCIDENTAL TO THIS CONTRACT UNLESS SPECIFICALLY ACCOUNTED FOR AS A PAY ITEM ON THE PLANS.

IF A BASEMENT LOCATED UNDER THE ROADBED IS PRESENTLY FILLED WITH MATERIAL UNSUITABLE IN THE OPINION OF THE ENGINEER, IT SHALL BE REMOVED AND PAID FOR AS EARTH EXCAVATION AND FILLED AS DESCRIBED ABOVE.

WHenever IN THESE PLANS REFERENCE IS MADE TO THE "STANDARD SPECIFICATIONS" IT IS UNDERSTOOD TO INCLUDE THE "SUPPLEMENTAL SPECIFICATIONS" EFFECTIVE APRIL 2, 1962.

TWO (2) BARRICADES CONFORMING TO STANDARD 1972-1 SHALL BE ERECTED BY THE CONTRACTOR, ONE (1) AT EACH END OF THE SECTION, AS DIRECTED BY THE ENGINEER.

PRIVATE ENTRANCE APPROACHES TO HAVE BITUMINOUS SURFACE TREATMENT, CLASS A, SUBCLASS A-3; EXCEPT DRIVEWAY LT. OF STATION 5+66, WHICH IS TO HAVE P.C. CONCRETE APPROACH.

SBI ROUTE SEC.
F.A. ROUTE F.A. PROJ.
COUNTY
DISTRICT NO. 2 DIXON
DRAWN Dave Kollmeyer DATE Nov. 1961
CHECKED Ed Woel SCALE

FILE NAME = S:\Projects\2013 JOBS\13-57 ESCA PTB 169 ITEM 23 D2 VARIOUS PH 1-I\1\NO 5 - 28th St. over US 20\CADD\CADD Sheets\0264A08-sht-Ex-Str.dgn
MODEL = Default
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FILE NAME = D264A08-sht-Ex-Str.dgn	DRAWN - SM	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - MCV	REVISED -
PLOT DATE = 6/12/2020	DATE - 6/12/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING STRUCTURE PLANS
(FOR INFORMATION ONLY)

SCALE: SHEET NO. 3 OF 17 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	4-HBR	WINNEBAGO	148	51
CONTRACT NO. 64A08				
ILLINOIS FED. AID PROJECT				

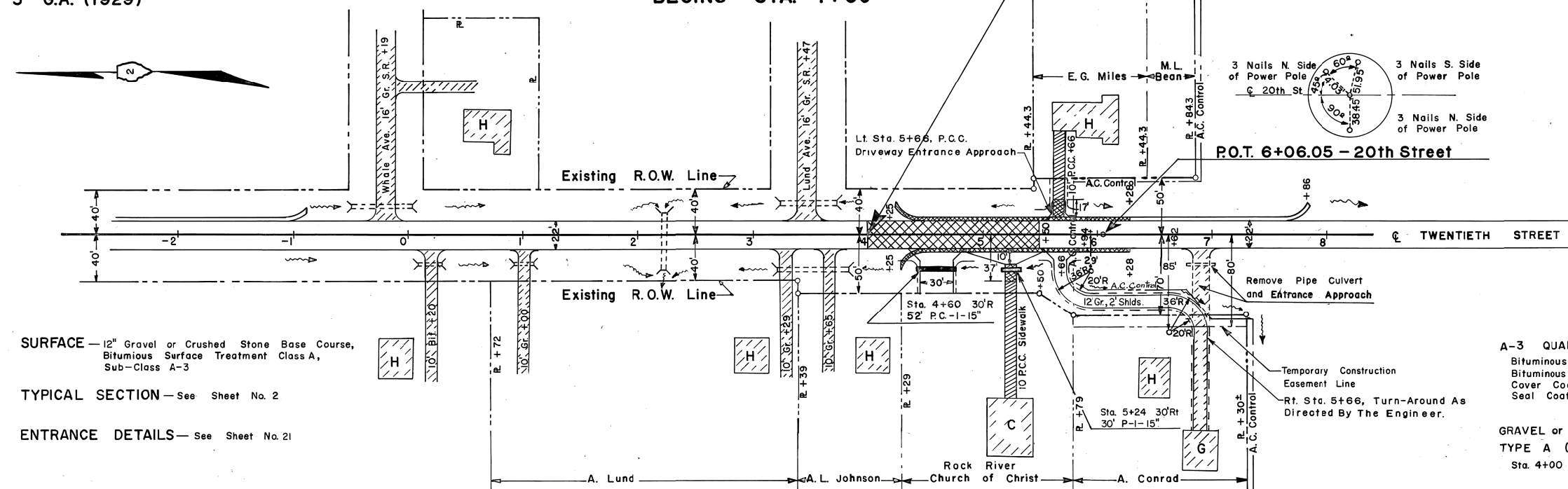
U.S.G.S. DATUM
5TH G.A. (1929)

B.M. No. 47 4 Nails in East Root, 4 Pronged Elder 175± Lt 576+50
ELEVATION 753.63 FT.

PROPOSED RECONSTRUCTION
BEGINS STA. 4+00

B.M. No. 48 3 Nails in South Side, 5 Prong Elder 100± Lt. 587+90±
ELEVATION 761.45 FT.

FA.194 4-HB Winnebago 24 3



- SURFACE REMOVAL
This work will not be paid for separately, but shall be included in the contract unit price per cubic yard for earth work.
- DRIVEWAY PAVEMENT REMOVAL
CONCRETE SIDEWALK REMOVAL
- DRIVEWAY PAVEMENT
CONCRETE SIDEWALK
- COMBINATION CONCRETE CURB and GUTTER REMOVAL

SURFACE — 12" Gravel or Crushed Stone Base Course, Bituminous Surface Treatment Class A, Sub-Class A-3

TYPICAL SECTION — See Sheet No. 2

ENTRANCE DETAILS — See Sheet No. 21

A-3 QUANTITIES (From Sta. 4+00 to Sta. 18+00)

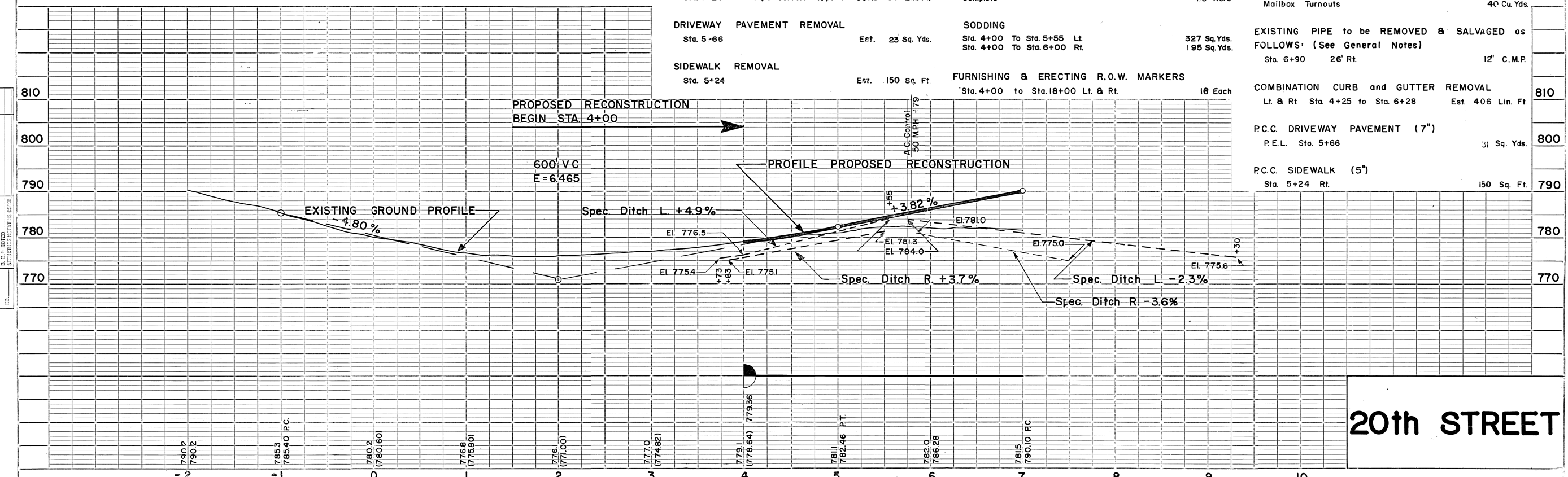
Bituminous Materials (Prime Coat)	1203 Gals.
Bituminous Materials (Cover and Seal Coat)	2206 Gals.
Cover Coat Aggregate	59 Tons
Seal Coat Aggregate	30 Tons

GRAVEL or CRUSHED STONE BASE COURSE, TYPE A (12" Depth)
Sta. 4+00 to Sta. 9+04.50 919 Tons

SALVAGED AGGREGATE FROM DETOUR ROAD

P.E.R. (7" Depth)	Sta. 4+60	25 Cu. Yds.
Entrance Turnout	Sta. 5+24	8 Cu. Yds.
P.E.R. and Turn-Around	Sta. 6+00	51 Cu. Yds.
Mailbox Turnouts		40 Cu. Yds.

ITEM	ESTIMATE	UNIT	QUANTITY
CULVERT SUMMARY			
Sta. 4+90	15" Pipe Culvert Type I	30Rt	52 Lin. Ft.
Sta. 5+24	15" Pipe Culvert Type I	30Rt	30 Lin. Ft.
DRIVEWAY PAVEMENT REMOVAL			
Sta. 5+66		Est.	23 Sq. Yds.
SODDING			
Sta. 4+00 To Sta. 5+55 Lt.			327 Sq. Yds.
Sta. 4+00 To Sta. 8+00 Rt.			195 Sq. Yds.
SIDEWALK REMOVAL			
Sta. 5+24		Est.	150 Sq. Ft.
FURNISHING & ERECTING R.O.W. MARKERS			
Sta. 4+00 to Sta. 18+00 Lt. & Rt.			18 Each



20th STREET

PLATE 1 — PROFILE OF R. & R. E. STATIONED
201 FOR APPROX. FIELD MADE AND PRINTED BY M. S. A.
ENGINEERING CO., CHICAGO

FILE NAME = S:\Projects\2013 JOBS\13-57 ESCA PTB 169 ITEM 23 D2 VARIOUS PH 1-11\130 5 - 28th St. over US 20\CADD\CADD Sheets\0264A08-sht-Ex-Str.dgn
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DATE	BY	DESCRIPTION
		REVISION
		REVISION
		REVISION



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FILE NAME = D264A08-sht-Ex-Str.dgn	DRAWN - SM	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - MCV	REVISED -
PLOT DATE = 6/12/2020	DATE - 6/12/2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

EXISTING STRUCTURE PLANS (FOR INFORMATION ONLY)	
SCALE:	SHEET NO. 4 OF 17 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	4-HBR	WINNEBAGO	148	52
CONTRACT NO. 64A08				
ILLINOIS FED. AID PROJECT				

U.S.G.S. DATUM
5TH G.A. (1929)

B.M. No. 49 3 Nails in West Side,
4 Pronged Ash 110' Lt. Sta. 593+75
ELEVATION 771.78 FT.

ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
F.A. 194	4-H.R.	WINNEBAGO	24	4
STA. 6+35 TO STA. 18+00				
FED. ROAD DIST. NO. 7 ILLINOIS				
CURVE DATA "A" "B" "C" "D"				
R.A. HYSMITH Δ = 30°-00'				
D = 57°-17'-45"				
L = 26.79'				
T = 52.36'				
M = 100'				
E = 3.52'				
Tile Field: See Note Below				
SAVE				
Sta. 14+80 40' Lt.				
60' P.C. - 1-15"				
Sta. 16+00 38' Lt.				
46' P.C. - 1-15"				
Sta. 17+36 30' Lt.				
34' P.C. - 1-15"				

PROPOSED DETOUR ROAD BEGINS STA. 6+35

PROPOSED DETOUR ROAD ENDS STA. 14+45.49

PROPOSED RECONSTRUCTION ENDS STA. 18+00

SALVAGED AGGREGATE (From Detour Road), 6" DEPTH

P.E.L. STA. 14+80	50	Cu. Yds.
P.E.R. STA. 14+80	16	Cu. Yds.
P.E.R. STA. 15+40	7	Cu. Yds.
P.E.L. STA. 16+00	16	Cu. Yds.
P.E.L. STA. 17+36	7	Cu. Yds.

P.C. Conc. DRIVEWAY PAVEMENT, 7"

P.E.R. STA. 15+40	58	Sq. Yds.
P.E.L. STA. 17+36	16	Sq. Yds.

CULVERT SUMMARY

Station	Size	Material	Type	Class	Length	Estimate
Sta. 9+31	30"	Pipe Culvert	Type 2A	(R.C.P. Class III)	88 Lin. Ft.	
Sta. 10+72	36"	Pipe Culvert	Type 2A	(R.C.P. Class III)	96 Lin. Ft.	
Sta. 14+80	18"	Pipe Culvert	Type 1	40' Lt.	60 Lin. Ft.	
Sta. 14+80	15"	Pipe Culvert	Type 1	38' Rt.	40 Lin. Ft.	
Sta. 16+00	15"	Pipe Culvert	Type 1	38' Lt.	46 Lin. Ft.	
Sta. 17+36	15"	Pipe Culvert	Type 1	30' Lt.	34 Lin. Ft.	
Sta. 10+25		Trench Backfill				Est. 70 Cu. Yds.

Station	Size	Material	Type	Length	Estimate
Detour Road Sta. 9+55	30"	Pipe Culvert	Type 1	70 Lin. Ft.	
Detour Road Sta. 10+93	36"	Pipe Culvert	Type 1	72 Lin. Ft.	

A-3 QUANTITIES (Driveway Flares)

Bituminous Materials (Prime Coat)	68	Gals.
Bituminous Materials (Cover and Seal Coat)	135	Gals.
Cover Coat Aggregate	4	Tons
Seal Coat Aggregate	2	Tons

Station	Quantity	Unit
Sta. 7+25	73	Sq. Yds.
Sta. 15+40	50	Sq. Yds.
Sta. 17+36	16	Sq. Yds.

Station	Quantity	Unit
Lt. & Rt. Sta. 8+04 to 9+04	200	Lin. Ft.
Lt. Sta. 11+02 to 14+02	300	Lin. Ft.
Rt. Sta. 11+02 to 12+89.5	188	Lin. Ft.

A-3 QUANTITIES (Detour Road)

Bituminous Materials (Prime Coat)	820	Gals.
Bituminous Materials (Cover and Seal Coat)	1490	Gals.
Cover Coat Aggregate	40	Tons
Seal Coat Aggregate	20	Tons

Station	Quantity	Unit
Detour Road (Sta. 6+35 to Sta. 14+45.49)	880	Tons

P.O.T. 10+00 - 20TH. ST. =
P.O.T. 594+32.73 - BYPASS

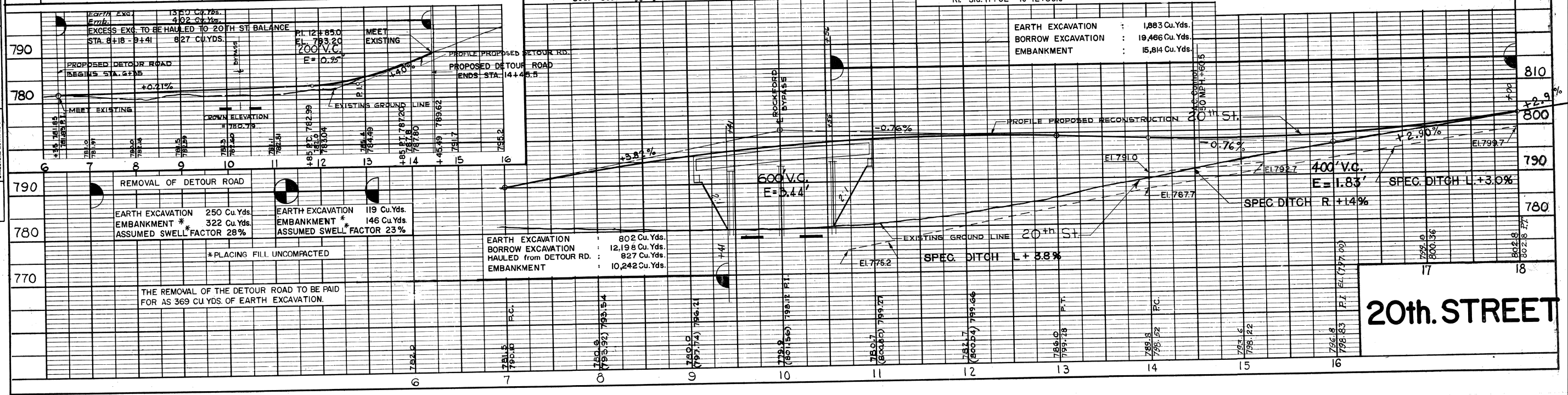
P.O.T. 14+13.42 - 20TH. ST.

Station	Quantity	Unit
Lt. Sta. 11+50 to Sta. 14+50	1133	Sq. Yds.
Rt. Sta. 11+50 to Sta. 13+00	750	Sq. Yds.

Station	Quantity	Unit
Sta. 11+01.5 to Sta. 18+00	1242	Tons

Station	Quantity	Unit
Rt. Sta. 9+10 to 10+25	75	In. Dia.
	125	In. Dia.

Station	Quantity	Unit
Lt. Sta. 6+28 to 7+86	158	Lin. Ft.



DATE	BY	DESCRIPTION

DATE	BY	DESCRIPTION

DATE	BY	DESCRIPTION

DATE	BY	DESCRIPTION



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PLOT DATE = 6/12/2020

DESIGNED - FBN
DRAWN - SM
CHECKED - MCV
DATE - 6/12/2020

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

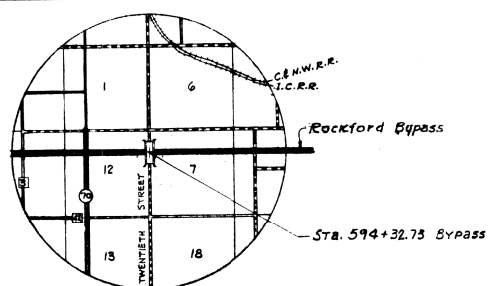
EXISTING STRUCTURE PLANS
(FOR INFORMATION ONLY)

SCALE: SHEET NO. 5 OF 17 SHEETS STA. TO STA.

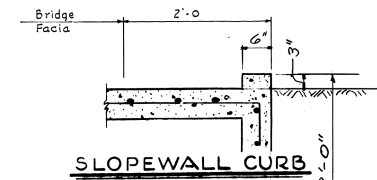
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	4-HBR	WINNEBAGO	148	53
CONTRACT NO. 64A08				
ILLINOIS FED. AID PROJECT				

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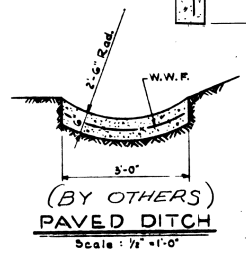
ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
F.A. 194	4HB	WINNEBAGO	24	6
STA.	TO STA.			
FED. ROAD DIST. NO. 7 ILLINOIS	PROJ. U-284(14)			



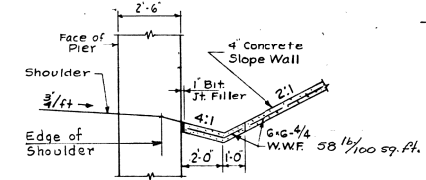
VICINITY MAP
T-43 N R-2 E 300 P.M.



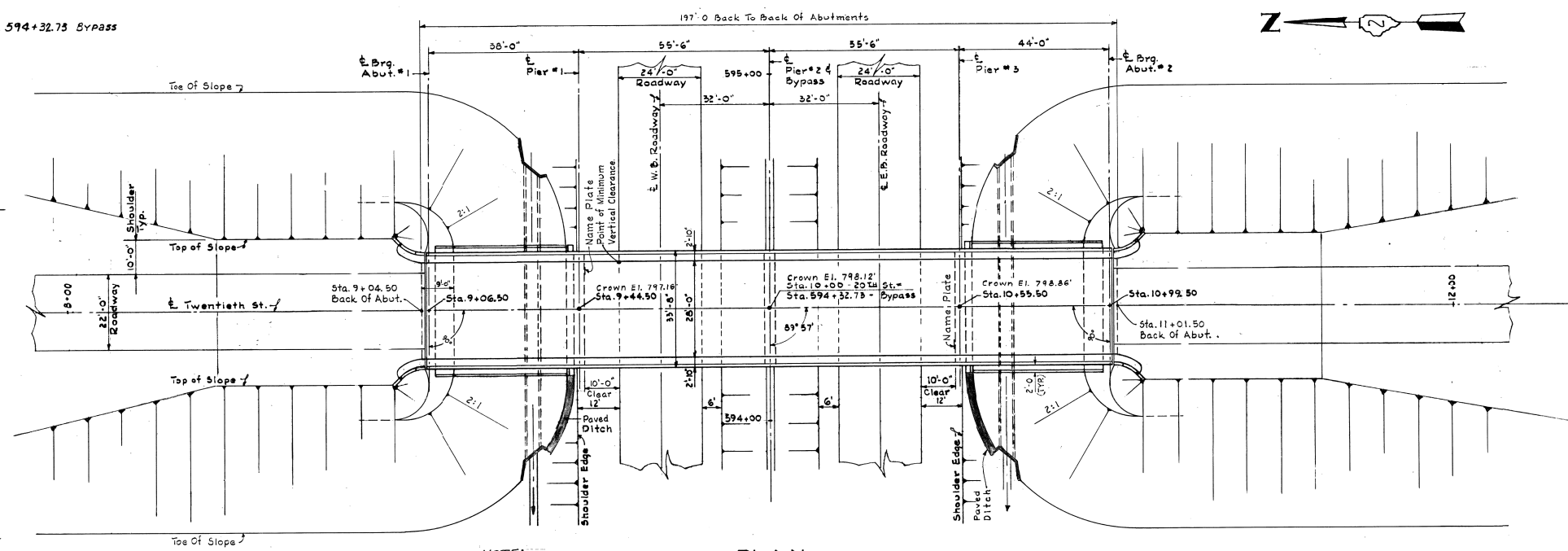
SLOPEWALL CURB



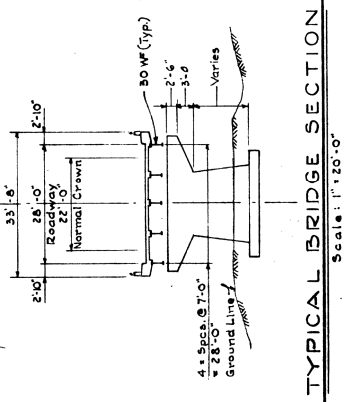
(BY OTHERS) PAVED DITCH
Scale: 1/4" = 1'-0"



DETAIL OF SLOPEWALL AT PIER
Scale: 1/4" = 1'-0"

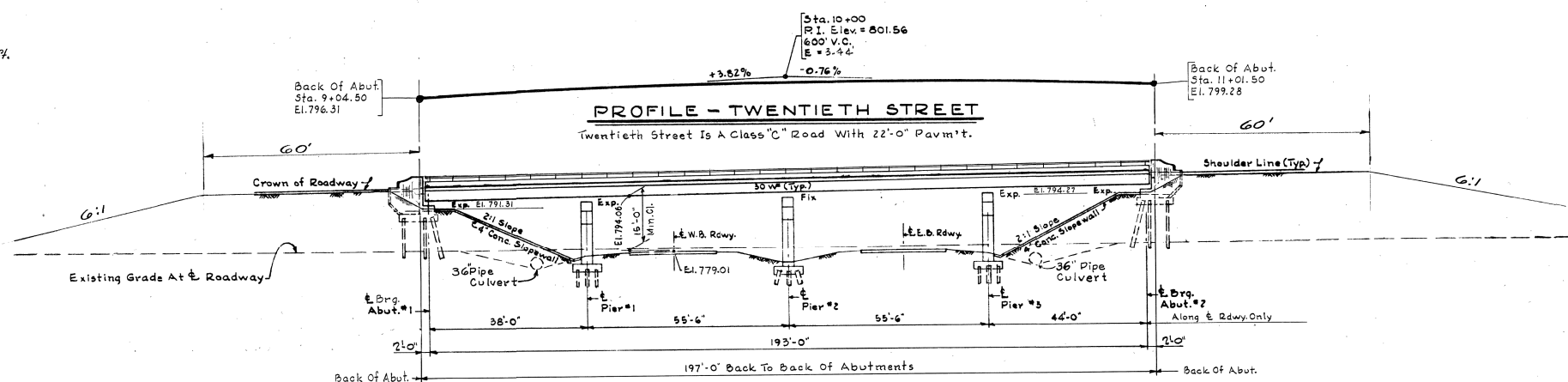


PLAN
Scale: 1" = 20'-0"



TYPICAL BRIDGE SECTION
Scale: 1" = 20'-0"

NOTE: PAVED DITCHES AND HEADWALLS BY OTHERS.



PROFILE - TWENTIETH STREET
Scale: 1" = 20'-0"

DESIGN DATA

SPECIFICATIONS:
A.A.S.H.O. Dated 1961, Standard Specifications For Road And Bridge Construction Dated January, 2, 1958, Supplemental Specifications dated April 4, 1962.

LOADING:
L.L. H20-S16-44
D.L. 20 P.S.F. Future Wearing Surface (Additional)

STRESSES:
CONCRETE
f_c = 1400 P.S.I. Superstructure n = 10
f_c = 1000 P.S.I. Substructure (With Earth Pressure)
f_c = 1400 P.S.I. Substructure (Without Earth Pressure)
75 P.S.I. Max. Allowable V. In Pier Footings

STEEL
Structural = 18000 P.S.I.
Reinforcing = 20000 P.S.I.

BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Class A Excavation	cu. Yd.		280	280
Class X Concrete	cu. Yd.	185.7	233.5	419.2
Reinforcement Bar	lb.	44,960	17,640	62,600
Structural Steel	lb.	140,760		140,760
Name Plate	each		2	2
Concrete Piles	lin. ft.		1320	1320
Concrete Test Pile	each		1	1
Creosoted Piles	lin. ft.		900	900
Timber Test Pile	each		1	1
Metal Shoe	each		54	54
Aluminum Handrail	lin. ft.	390		390
Slope Wall	Sq. Yd.		404	404
Protective Coat	Sq. Yd.	830		830

STATION 594+32.73
BUILT 196 BY
STATE OF ILLINOIS
F.A. RT. 194 SEC. 4HB
F.A. PROJ. U-284(14)
LOADING H20-S16

SEE STATE OF ILL. STD. 2113
NAME PLATE (REQ)

ILLINOIS DIVISION OF HIGHWAYS
ROCKFORD BYPASS
F. A. ROUTE 194
PROJECT SECTION 4HB
WINNEBAGO COUNTY
GENERAL PLAN
Designed By E.S. Drawn By G.G. Checked By E.V.M.

FILE NAME = S:\Projects\2013 JOBS\13-57 ESCA PTB 169 ITEM 23 D2 VARIOUS PH 1-I\11\10 5 - 28th St. over US 20\CADD\CADD Sheets\0264A08-sht-Ex-Str.dgn
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PLOT DATE = 6/12/2020	DATE - 6/12/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

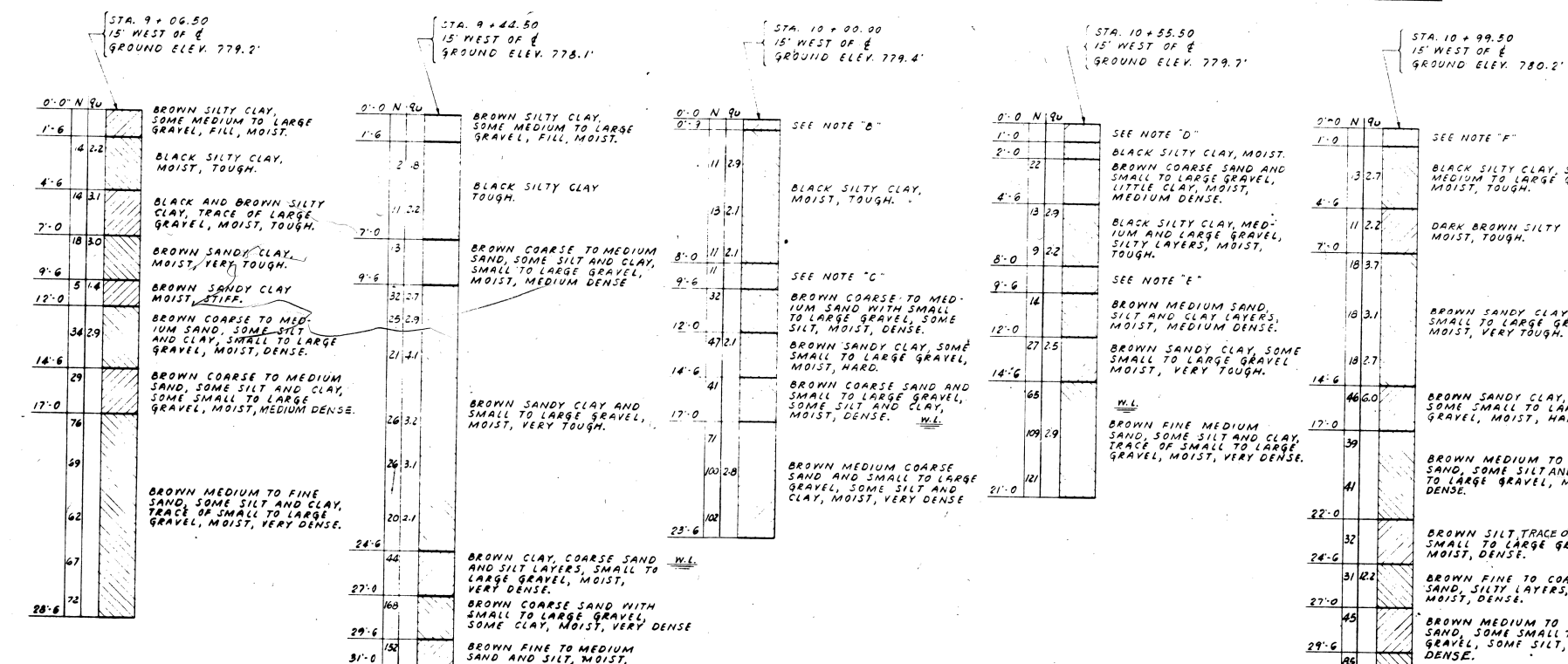
EXISTING STRUCTURE PLANS
(FOR INFORMATION ONLY)

SCALE: SHEET NO. 7 OF 17 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	4-HBR	WINNEBAGO	148	55
CONTRACT NO. 64A08			ILLINOIS FED. AID PROJECT	

ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
F.A. 194	4HB	WINNEBAGO	24	7
STA. TO STA.			PROJ.	
FED. ROAD DIST. NO. 7 ILLINOIS				

BORING N^o 1 BORING N^o 2 BORING N^o 3 BORING N^o 4 BORING N^o 5

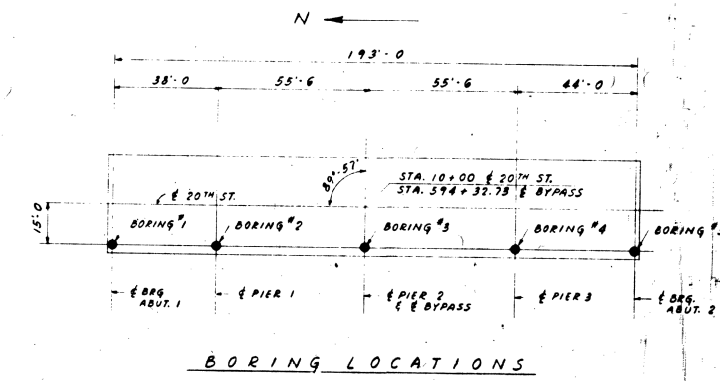


GENERAL NOTES

CLASS "X" CONCRETE SHALL BE USED THROUGHOUT. ALL EXPOSED EDGES SHALL HAVE A 3/4" CHAMFER. THE CONCRETE FLOOR SLAB SHALL BE FINISHED IN ACCORDANCE WITH ART. 21.19 OF THE STANDARD SPECIFICATIONS. RIVETS 3/4" OPEN HOLES 1/2" UNLESS NOTED. ALL BOLSTERS, ROCKERS, BRACING PLATES, LEAD PLATES, RIVETS AND ANCHOR BOLTS SHALL BE FABRICATED AND SET IN ACCORDANCE WITH ART. 51.5 OF THE STANDARD SPECIFICATIONS AND ARE INCLUDED IN QUANTITY OF STRUCTURAL STEEL. ANCHOR BOLTS SHALL BE SET BEFORE RIVETING DIAPHRAGMS OVER SUPPORTS. ALL HANDRAIL POSTS SHALL BE VERTICAL. EXPANSION GUARDS SHALL BE FABRICATED AND ERECTED IN ACCORDANCE WITH ART. 51.3(G) OF THE STANDARD SPECIFICATIONS AND ARE INCLUDED IN QUANTITY OF STRUCTURAL STEEL. THE OUTSIDE FACE OF THE VERTICAL LEGS OF THE EXPANSION GUARDS SHALL BE GIVEN TWO SHOP COATS OF RED LEAD PAINT. EXCEPT AS OTHERWISE NOTED, ALL STRUCTURAL STEEL SHALL RECEIVE ONE SHOP COAT OF RED LEAD PAINT AND TWO FIELD COATS OF ALUMINUM PAINT. SEE ART. 56.1 TO 56.5 INCLUSIVE OF THE STANDARD SPECIFICATIONS. REINFORCEMENT BARS SHALL BE PLACED EXACTLY AS SHOWN ON THE PLANS AND IN ACCORDANCE WITH ART. 59.5 OF THE STANDARD SPECIFICATIONS. THE CONTRACTOR SHALL DRIVE ONE CONCRETE TEST PILE AT THE NORTH ABUTMENT IN A PERMANENT LOCATION, ONE TIMBER TEST PILE IN THE VICINITY OF PIER 2 AND ONE IN THE VICINITY OF A TOWER BEFORE ORDERING THE REMAINDER OF THE PILES. ABUTMENT PILES SHALL BE PRE-CORED THROUGH EMBANKMENTS IN ACCORDANCE WITH ART. 60.9(C) OF THE STANDARD SPECIFICATIONS. ~~THE CONTRACTOR SHALL DRIVE ONE CONCRETE TEST PILE AT THE NORTH ABUTMENT IN A PERMANENT LOCATION, ONE TIMBER TEST PILE IN THE VICINITY OF PIER 2 AND ONE IN THE VICINITY OF A TOWER BEFORE ORDERING THE REMAINDER OF THE PILES.~~ ~~ABUTMENT PILES SHALL BE PRE-CORED THROUGH EMBANKMENTS IN ACCORDANCE WITH ART. 60.9(C) OF THE STANDARD SPECIFICATIONS.~~ ~~THE CONTRACTOR SHALL DRIVE ONE CONCRETE TEST PILE AT THE NORTH ABUTMENT IN A PERMANENT LOCATION, ONE TIMBER TEST PILE IN THE VICINITY OF PIER 2 AND ONE IN THE VICINITY OF A TOWER BEFORE ORDERING THE REMAINDER OF THE PILES.~~ ~~ABUTMENT PILES SHALL BE PRE-CORED THROUGH EMBANKMENTS IN ACCORDANCE WITH ART. 60.9(C) OF THE STANDARD SPECIFICATIONS.~~

BORING NOTES

- N = NUMBER OF BLOWS PER FT. FOR A 140# HAMMER FALLING 30".
- QU = UNCONFINED COMPRESSIVE STRENGTH IN KIPS PER SQ. FT.
- NOTE "B" BROWN SILTY CLAY WITH MEDIUM TO LARGE GRAVEL, FILL, MOIST.
- NOTE "C" BROWN COARSE TO MEDIUM SAND, SOME SILT, MEDIUM DENSE, MOIST.
- NOTE "D" BROWN SILT AND FINE SAND MEDIUM TO LARGE GRAVEL, FILL, MOIST.
- NOTE "E" BROWN MEDIUM TO COARSE SAND, SOME SILT, MOIST, LOOSE.
- NOTE "F" BROWN SILTY AND FINE SAND, SOME MEDIUM TO LARGE GRAVEL, FILL, MOIST.



ILLINOIS DIVISION OF HIGHWAYS	
ROCKFORD BYPASS	
F.A. ROUTE 194	
PROJECT U-284 (14) SECTION 4 HB	
WINNEBAGO COUNTY	
GENERAL NOTES - BORING LOGS	

FILE NAME = S:\Projects\2013\JOBS\13-57 ESCA PTB 169 ITEM 23 D2 VARIOUS PH 1-I-11\WD 5 - 28th St. over US 20\CAD\CADD Sheets\0264A08-sht-Ex-Str.dgn
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 PLOT DRIVER = I:\DDT_PDF.plt



USER NAME = F Nelson	DESIGNED - FBN	REVISED -
FILE NAME = 0264A08-sht-Ex-Str.dgn	DRAWN - SM	REVISED -
PLOT SCALE = 100.0000' / 1"	CHECKED - MCV	REVISED -
PLOT DATE = 6/12/2020	DATE - 6/12/2020	REVISED -

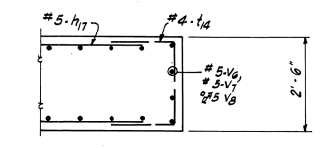
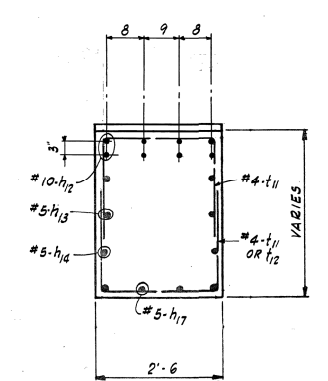
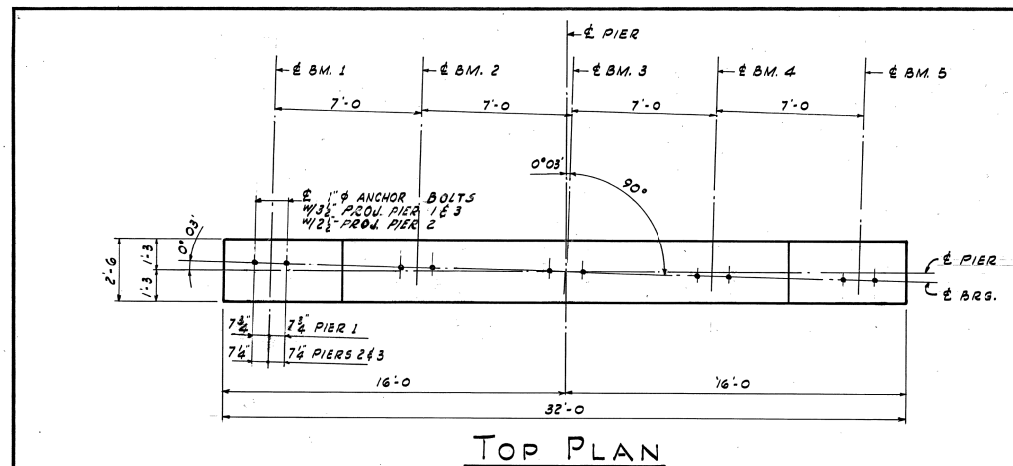
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING STRUCTURE PLANS
(FOR INFORMATION ONLY)

SCALE: SHEET NO. 8 OF 17 SHEETS STA. TO STA.

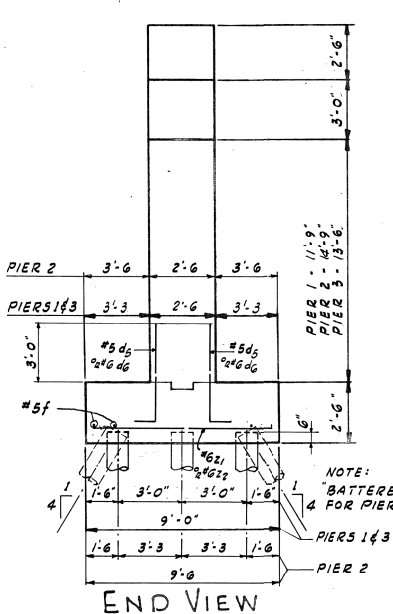
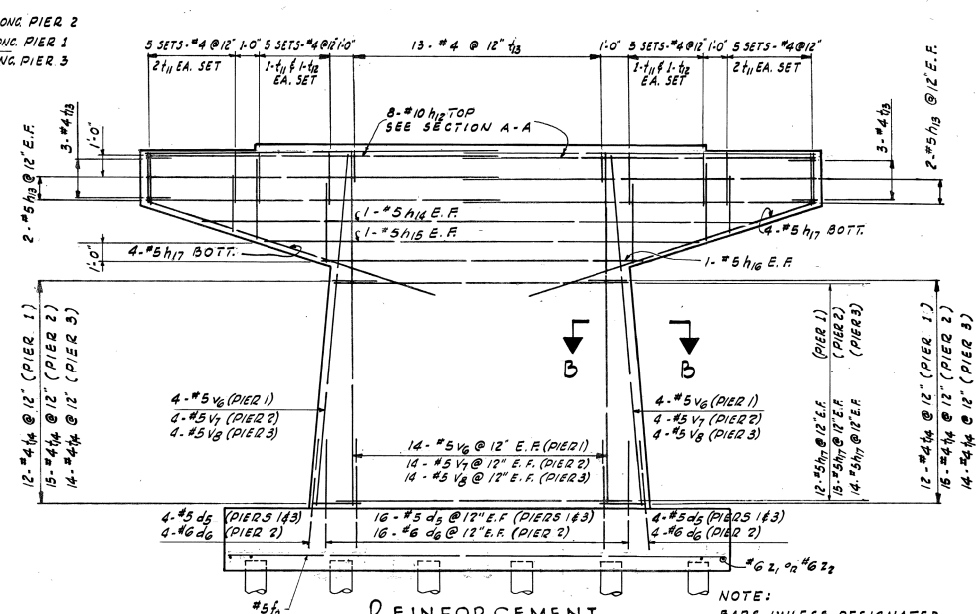
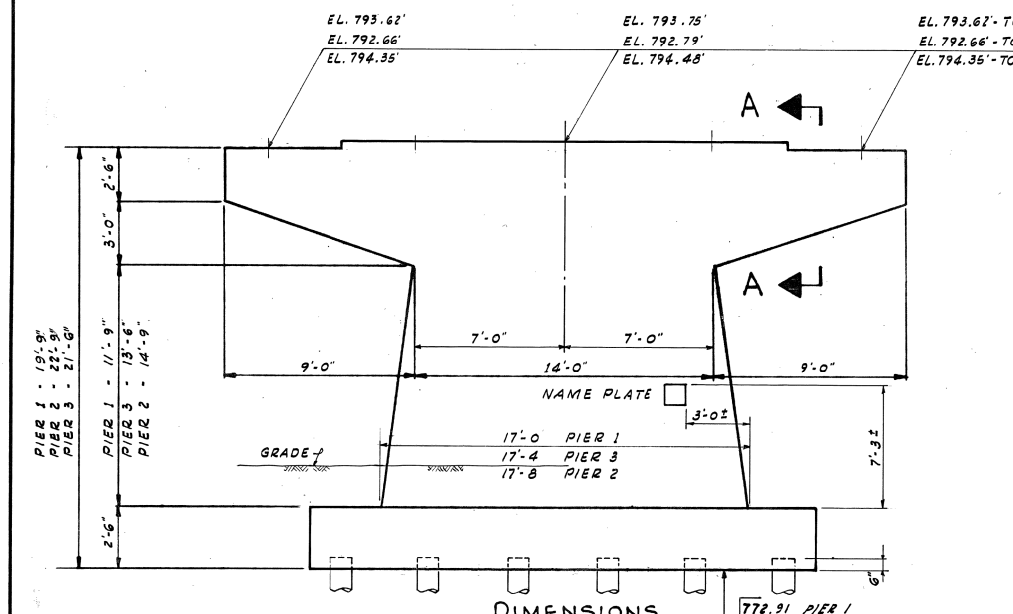
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	4-HBR	WINNEBAGO	148	56
CONTRACT NO. 64A08				
ILLINOIS FED. AID PROJECT				

ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
F.A. 194	4-HB	WINNEBAGO	24	8
STA.		TO STA.		PROJ.
FED. ROAD DIST. NO. 7 ILLINOIS				



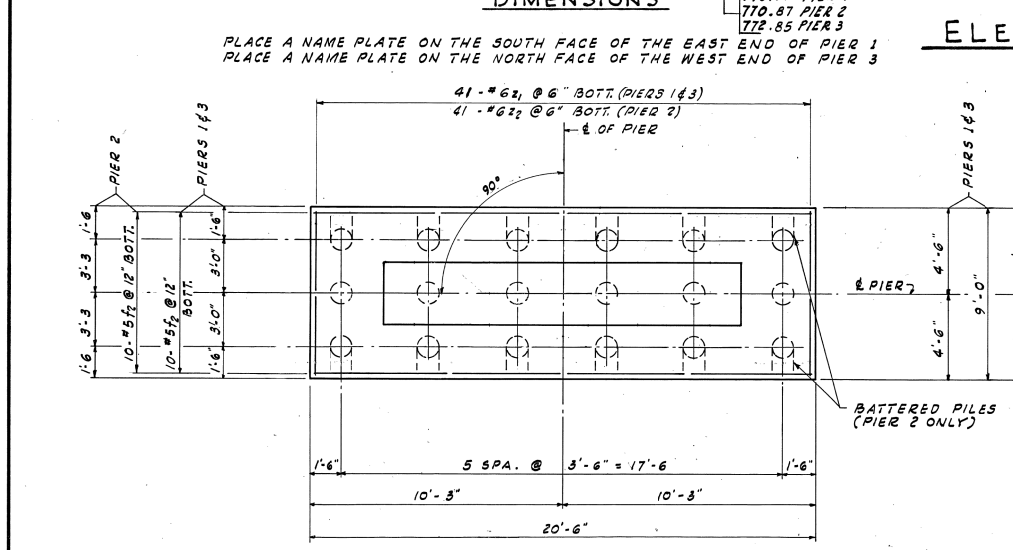
SECTION B-B

SECTION A-A



PILE DATA

PIER 1	20 TON CREOSOTED PILES ESTIMATED LENGTH - 20' NUMBER REQUIRED - 18
PIER 2	20 TON CREOSOTED PILES ESTIMATED LENGTH - 15' NUMBER REQUIRED - 18
PIER 3	20 TON CREOSOTED PILES ESTIMATED LENGTH - 15' NUMBER REQUIRED - 18



ELEVATION

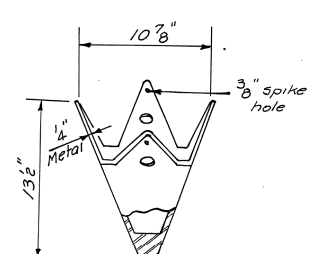
REINFORCEMENT

END VIEW

NOTE:
BARS UNLESS DESIGNATED OTHERWISE ARE TYPICAL FOR PIERS 1, 2, & 3.

NOTE:
CREOSOTED PILES TO BE SHOD WITH METAL SHOES.

NOTE:
FOR REINFORCING SCHEDULE SEE SMT. # 15



METAL PILE SHOE
(TOTAL NUMBER REQ'D. = 54)

ITEM	UNIT	TOTAL
CONCRETE, CLASS "X"	CU. YDS.	150.7
REINFORCEMENT BARS	LBS.	12030
CREOSOTED PILES (UP TO 20')	LIN. FT.	900
TEST PILES (TIMBER)	EA.	1
METAL SHOES	EA.	54
CLASS "A" EXCAVATION FOR STRUCTURES	CU. YDS.	280

ILLINOIS DIVISION OF HIGHWAYS
ROCKFORD BYPASS

F. A. ROUTE 194
PROJECT _____ SECTION **4-HB**
WINNEBAGO COUNTY

PIERS 1, 2, & 3

Designed By: _____ Drawn By: **G.G.** Checked By: **J.T.M.**

FILE NAME = S:\Projects\2013\JOBS\13-57 ESCA\PTB 169 ITEM 23 D2 VARIOUS PH 1-I\11\NO 5 - 28th St. over US 20\CADD\CADD Sheets\0264A08-sht-Ex-Str.dgn
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PLOT DRIVER = PLOT_PDF.ctb



USER NAME = FNelson
FILE NAME = D264A08-sht-Ex-Str.dgn
PLOT SCALE = 100.0000' / 1"
PLOT DATE = 6/12/2020

DESIGNED - FBN
DRAWN - SM
CHECKED - MCV
DATE - 6/12/2020

REVISED -
REVISED -
REVISED -
REVISED -

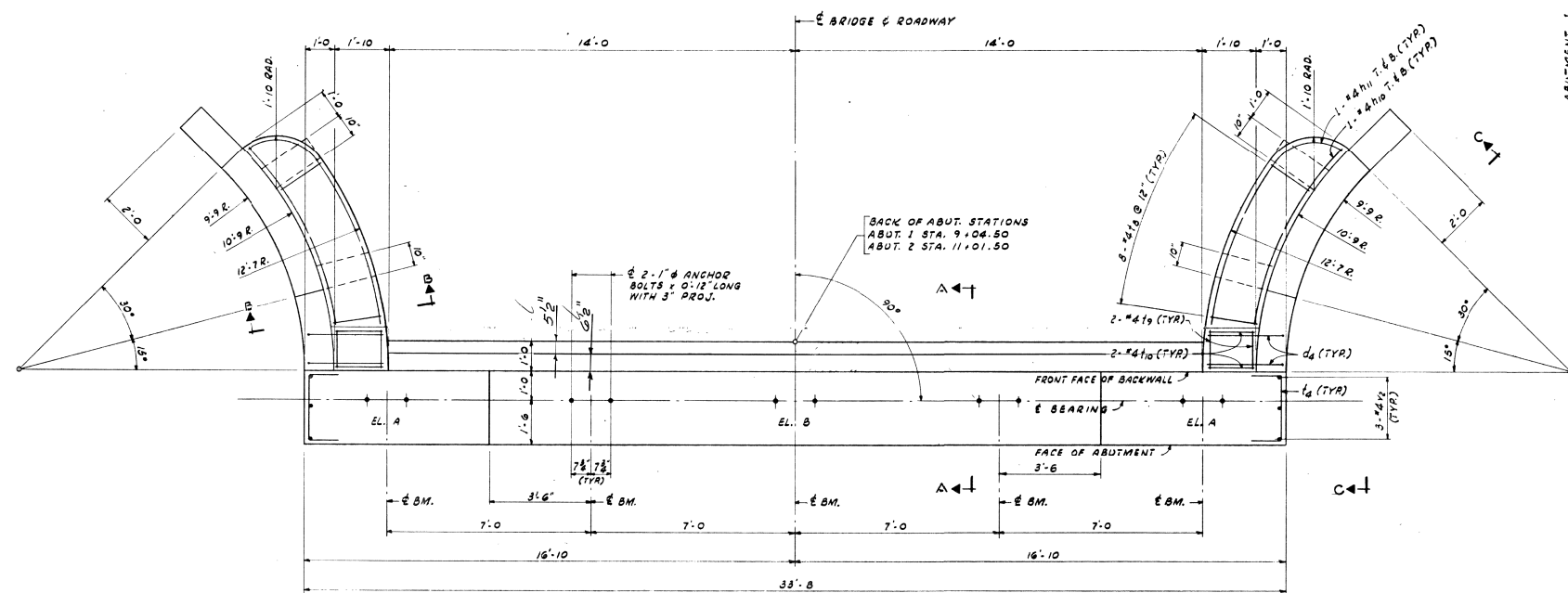
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING STRUCTURE PLANS
(FOR INFORMATION ONLY)

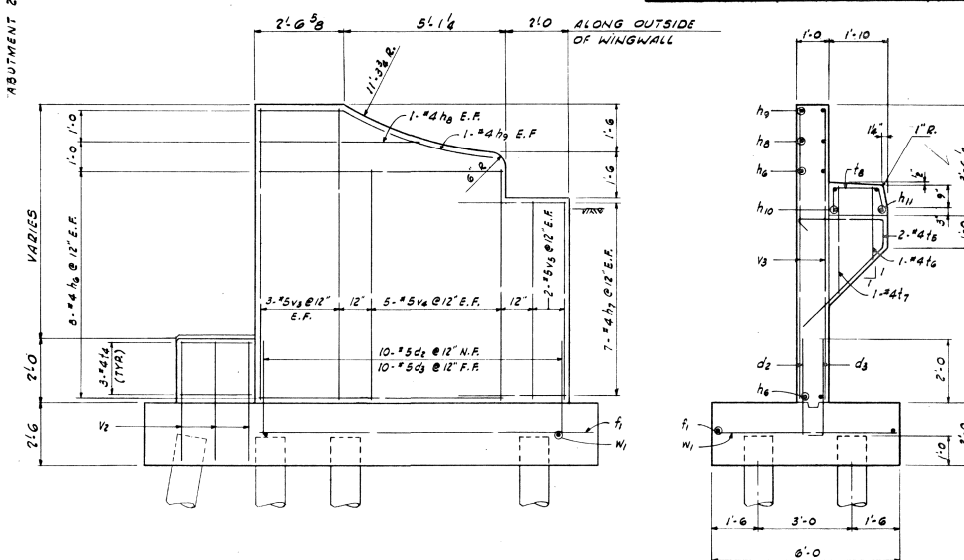
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	4-HBR	WINNEBAGO	148	57
CONTRACT NO. 64A08				
ILLINOIS FED. AID PROJECT				

ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.194	4HB	WINNEBAGO	24	9
STA.	TO STA.		PROJ.	
FED. ROAD DIST. NO. 7	ILLINOIS			

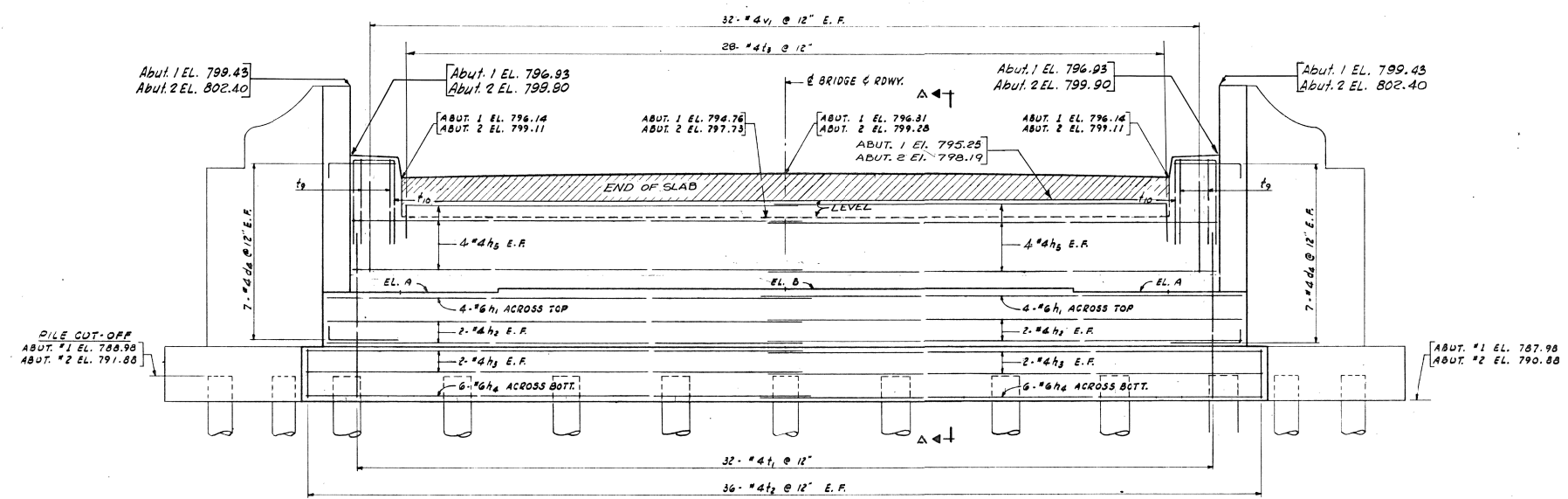


PLAN
SCALE: 1/8" = 1'-0"

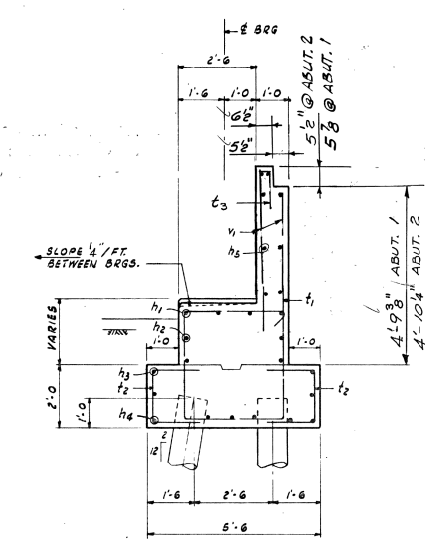


ELEVATION C-C
SCALE: 1/8" = 1'-0"

SECTION B-B
SCALE: 1/8" = 1'-0"



ELEVATION
SCALE: 1/8" = 1'-0"



SECTION A-A
SCALE: 1/8" = 1'-0"

ABUT. NO.	ELEVATIONS AT BEARINGS	
	A	B
1	791.98	792.11
2	794.88	795.01

NOTE: ELEVATIONS ARE GIVEN TO TOP OF CONCRETE.

QUANTITIES FOR 2 ABUTMENTS		
ITEM	UNIT	TOTAL
CLASS 'X' CONCRETE	CU. YDS.	82.8
REINFORCEMENT BARS	LBS.	5610
CONCRETE PILES	LIN. FT.	1320
TEST PILES	CONCRETE EACH	1

PILE DATA
 ABUTMENTS
 25 TON CONCRETE PILES
 ESTIMATED LENGTH - 40'
 NUMBER REQUIRED - 34
 * INCLUDES ONE CONCRETE TEST PILE.

NOTES:
 WORK THIS DRAWING WITH SHEET 10
 FOR GENERAL NOTES SEE SHEET 7
 FOR REINFORCEMENT BARS SEE SCHEDULE SHEET 15

ILLINOIS DIVISION OF HIGHWAYS
 ROCKFORD BYPASS
 F. A. ROUTE 194
 PROJECT _____ SECTION 4HB
 WINNEBAGO COUNTY
ABUTMENT PART I
 Designed By: _____ Drawn By: G.W.G. Checked By: J.R.M.

FILE NAME = S:\Projects\2013\JOBS\13-57 ESCA\PTB 169 ITEM 23 D2 VARIOUS PH 1-I\11\10 5 - 28th St. over US 20\CADD\CADD Sheets\0264A08-sht-Ex-Str.dgn
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USER NAME = F.Nelson	DESIGNED - FBN	REVISED -
FILE NAME = D264A08-sht-Ex-Str.dgn	DRAWN - SM	REVISED -
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PLOT DATE = 6/12/2020	DATE - 6/12/2020	REVISED -

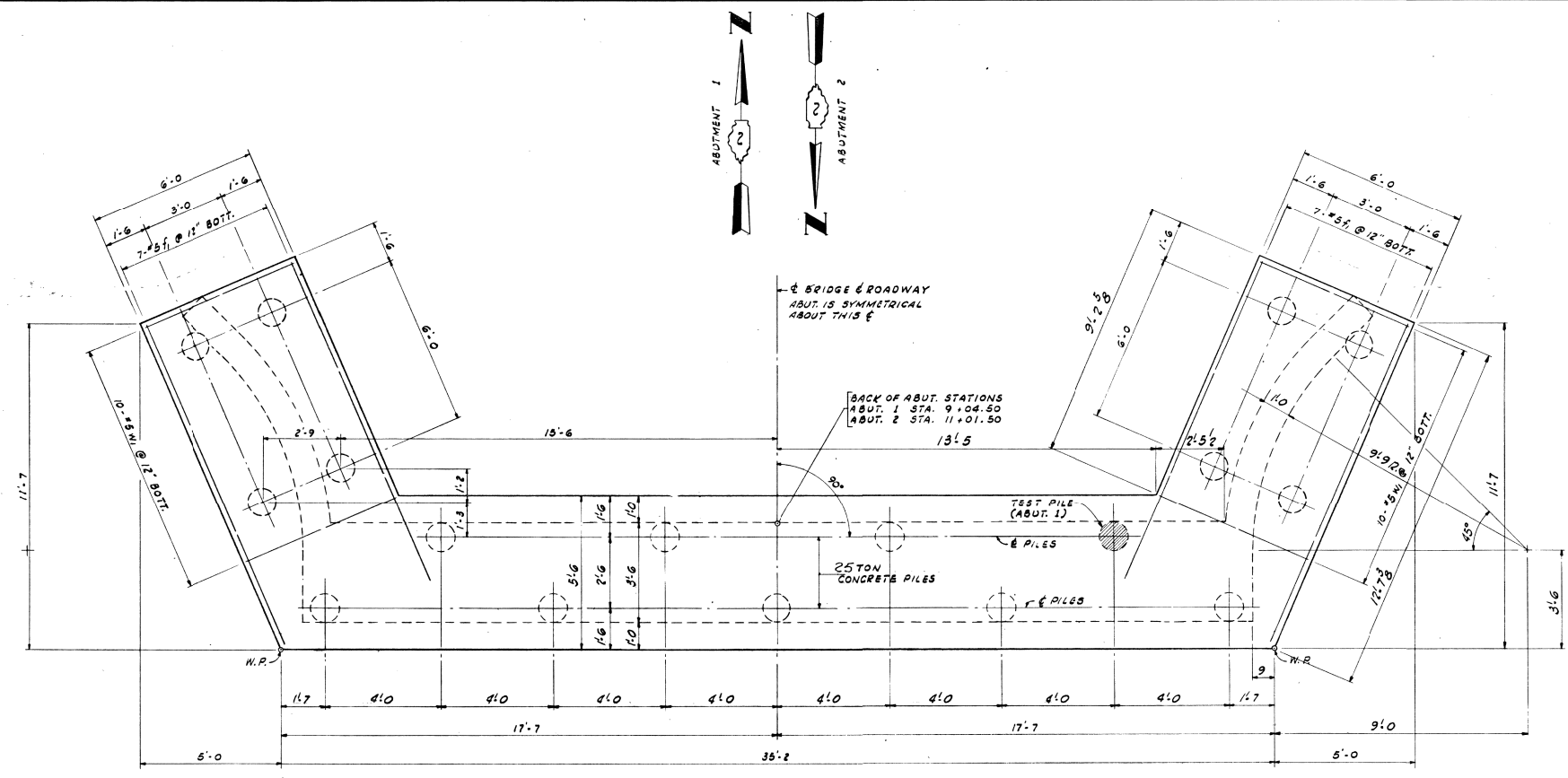
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

EXISTING STRUCTURE PLANS
 (FOR INFORMATION ONLY)

SCALE: SHEET NO. 10 OF 17 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	4-HBR	WINNEBAGO	148	58
CONTRACT NO. 64A08			ILLINOIS FED. AID PROJECT	

ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
FA-194	4HB	WINNEBAGO	24	10
STA.		TO STA.		PROJ.
FED. ROAD DIST. NO. 7		ILLINOIS		



NOTES:
 WORK THIS DRAWING WITH SHEET 9
 FOR GENERAL NOTES SEE SHEET 7
 FOR REINFORCEMENT BARS SEE SCHEDULE SHEETS

ILLINOIS DIVISION OF HIGHWAYS
 ROCKFORD BYPASS
 F. A. ROUTE 194
 PROJECT _____ SECTION 4HB
 WINNEBAGO COUNTY
ABUTMENT PART 2
 Designed By: _____ Drawn By: G.W.G. Checked By: J.Q.M.F.

FILE NAME = S:\Projects\2013 JOBS\13-57 ESCA PTB 169 ITEM 23 D2 VARIOUS PH 1-11\WD 5 - 28th St over US 20\CADD\CADD Sheets\0264A08-sht-Ex-Str.dgn
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USER NAME = FNelson	DESIGNED - FBN	REVISED -
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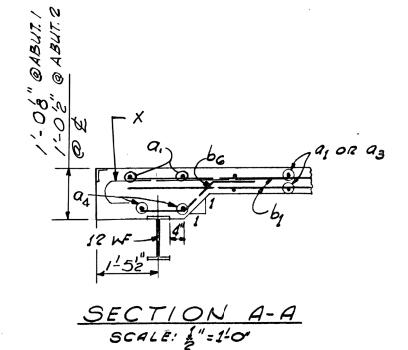
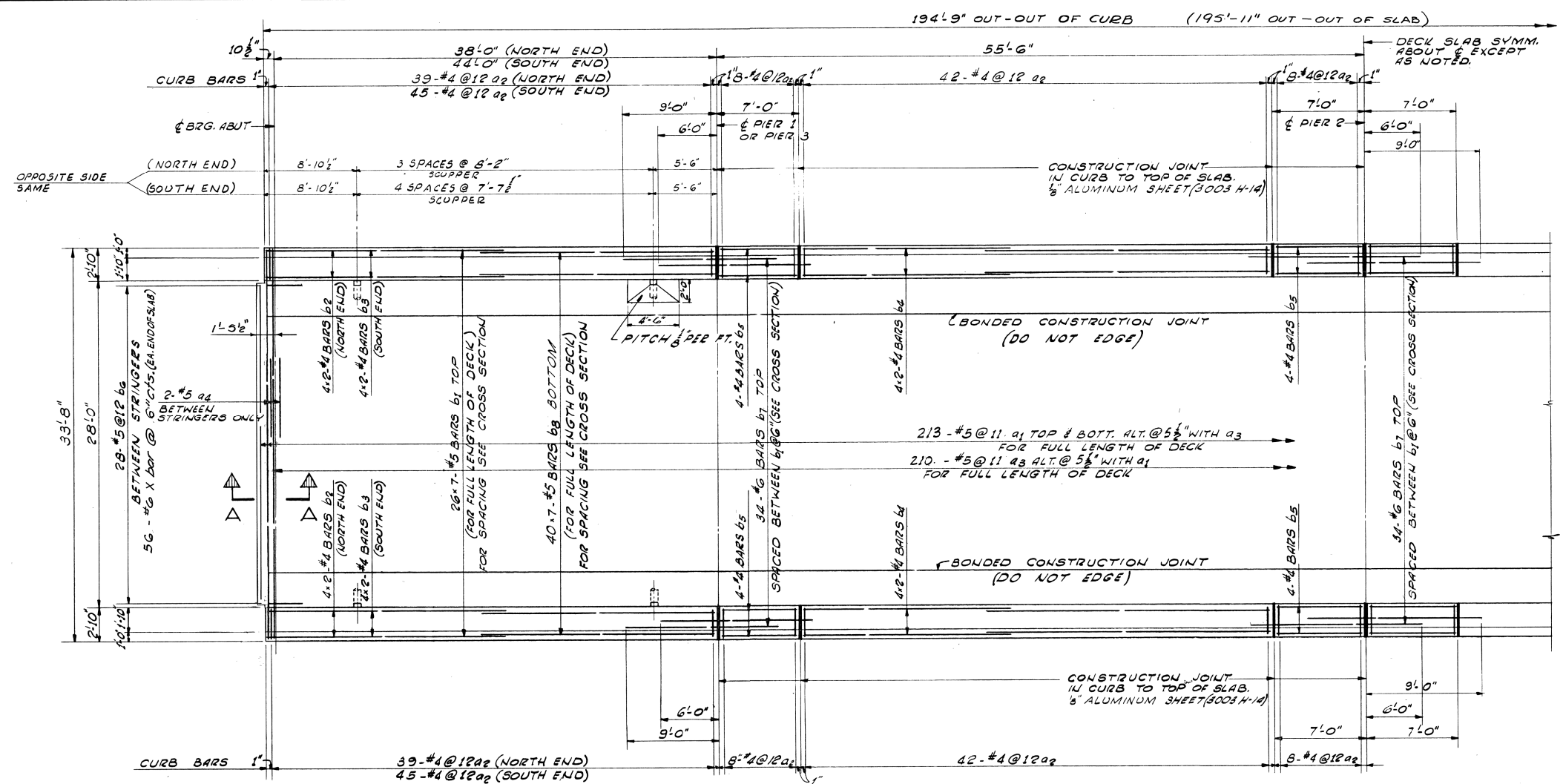
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

EXISTING STRUCTURE PLANS
 (FOR INFORMATION ONLY)

SCALE: SHEET NO. 11 OF 17 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	4-HBR	WINNEBAGO	148	59
CONTRACT NO. 64A08				
ILLINOIS FED. AID PROJECT				

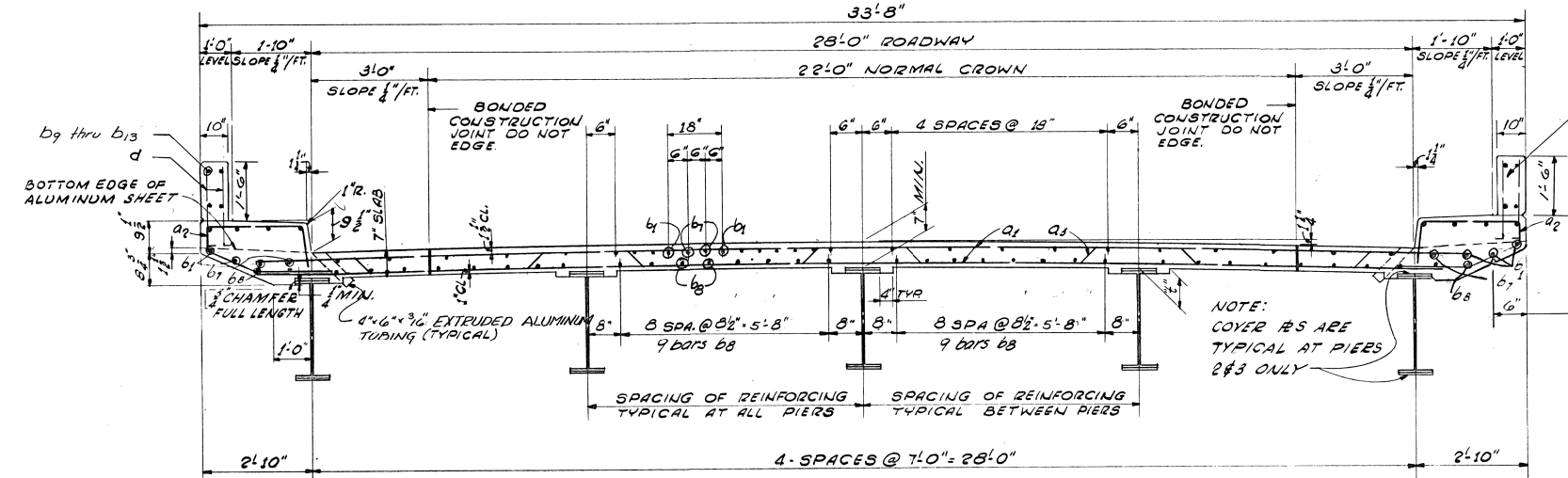
ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
F.A. 194	4HB	WINNEBAGO	27	11
STA.	TO STA.			
FED. ROAD DIST. NO. ILLINOIS	PROJ.			



NOTES:
FOR GENERAL NOTES SEE SHT. 7
METHOD OF DETERMINING FILLET HEIGHTS "4":
AFTER ALL STRUCTURAL STEEL HAS BEEN ERECTED, ELEVATIONS OF THE TOP FLANGES OF THE BEAMS SHALL BE TAKEN AT INTERVALS NOT TO EXCEED 10 FT. FROM THESE ELEVATIONS SUBTRACT THE INCREMENT OF DEFLECTION FOR THESE POINTS DETERMINED FROM THE O.L. DEFLECTION DIAGRAM. THE ELEVATIONS SO ATTAINED SUBTRACTED FROM THE THEORETICAL GRADE ELEVATIONS, MINUS FLOOR THICKNESS EQUALS THE FILLET HEIGHTS ABOVE TOP OF BEAM.
FOR HANDRAIL DETAILS SEE SHT. 14
FOR REINFORCING SCHEDULE SEE SHT. 15

BARS DESIGNATED b₂, b₃, b₄ & b₅ SHALL NOT PASS THRU CONSTRUCTION JOINTS.
BARS DESIGNATED "24.7-#5 BARS" INDICATES THAT THERE ARE 24 ROWS AND EACH ROW CONTAINS 7 LENGTHS OF BARS.

TWO COMPONENT NON-STAINING GRAY SEALING COMPOUND WITH POLYSULFIDE LIQUID POLYMERS - GUN GRADE WITH PRIMER.



FOR PARAPET & BAILING DETAILS SEE SH. N° 14

1/2" PREFORMED CORK-ASPHALT JOINT FILLER - A.S.T.M DESIGNATION: D544-49 - TYPE X. COST INCIDENTAL

NOTE: COVER RS ARE TYPICAL AT PIERS & #3 ONLY

QUANTITIES FOR DECK

ITEM	UNIT	TOTAL
CLASS "X" CONCRETE	CU. YDS	185.7
REINFORCEMENT BARS	LBS.	44,960
STRUCTURAL STEEL	LBS.	140,760
PROTECTIVE COAT	Sq. Yds.	830

ILLINOIS DIVISION OF HIGHWAYS			
ROCKFORD BYPASS			
F. A. ROUTE 194			
PROJECT		SECTION 4HB	
WINNEBAGO COUNTY			
DECK PLAN			
Designed By:	Drawn By: J.R.M.F.	Checked By:	

FILE NAME = S:\Projects\2013 JOBS\13-57 ESCA PTB 169 ITEM 23 D2 VARIOUS PH 1-I\11\10 5 - 28th St. over US 20\CADD\CADD Sheets\0264A08-sht-Ex-Str.dgn
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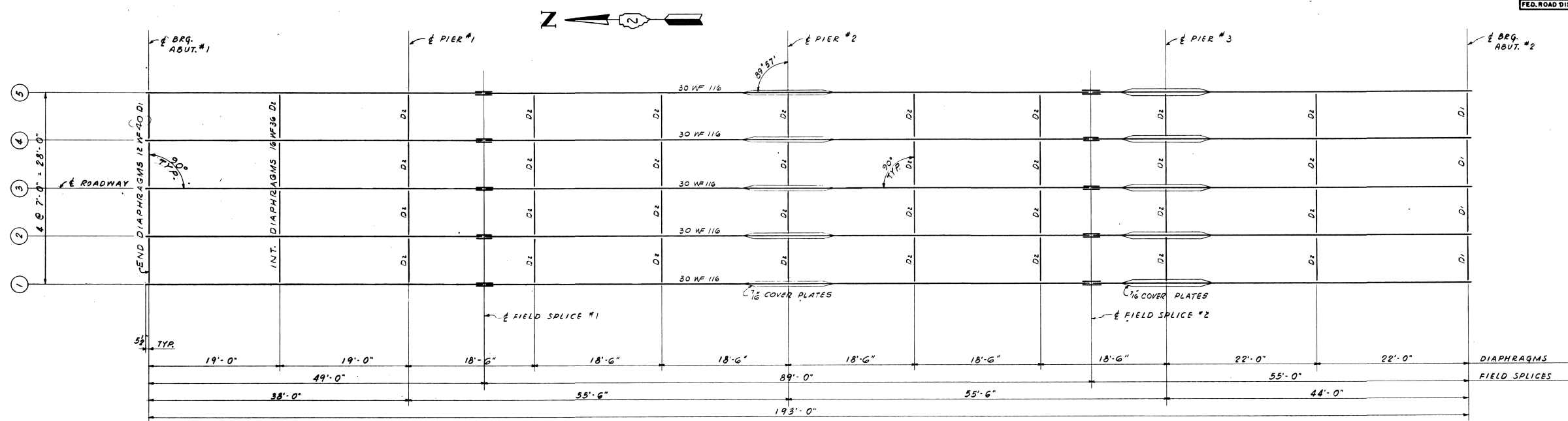
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING STRUCTURE PLANS
(FOR INFORMATION ONLY)

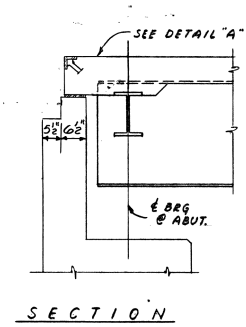
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	4-HBR	WINNEBAGO	148	60
CONTRACT NO. 64A08				
ILLINOIS FED. AID PROJECT				

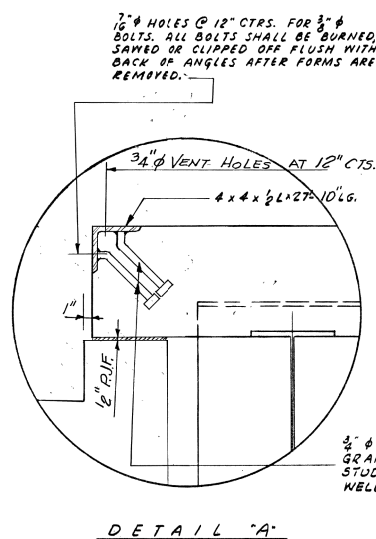
ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
194	4HB	WINNEBAGO	27	12
STA. TO STA.			PROJ.	
FED. ROAD DIST. NO. 7 ILLINOIS				



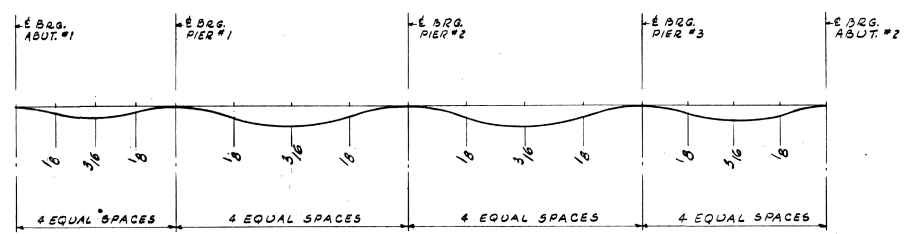
FRAMING PLAN
SCALE 1/8" = 1'-0"



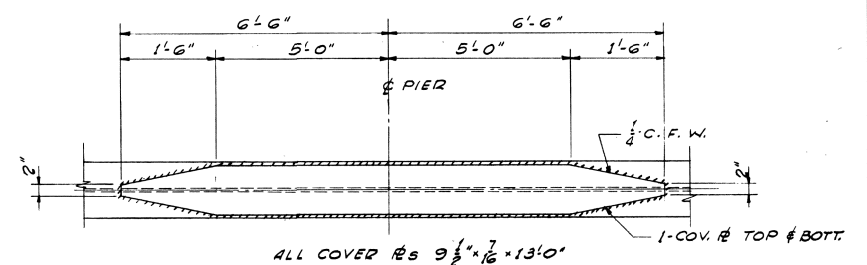
SECTION



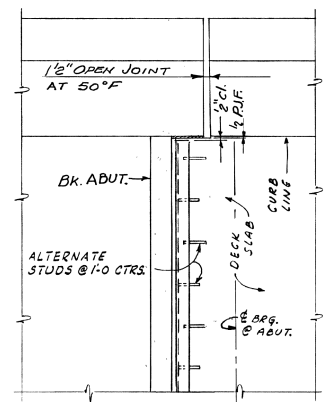
DETAIL A



DEAD LOAD DEFLECTION DIAGRAM FOR SLAB ONLY



DETAIL OF COVER PLATES



EXPANSION JOINT DETAILS

		ELEVATIONS						
BEAM NO.	LOCATION	BRG. ABUT. 1	BRG. PIER 1	FIELD SPICE 1	BRG. PIER 2	FIELD SPICE 2	BRG. PIER 3	BRG. ABUT. 2
1	TOP OF SLAB	796.19'	796.99'	797.20'	797.95'	798.56'	798.69'	799.09'
	TOP OF STEEL	795.61'	796.35'	796.62'	797.28'	797.98'	798.08'	798.51'
2	TOP OF SLAB	796.32'	797.12'	797.33'	798.08'	798.69'	798.82'	799.22'
	TOP OF STEEL	795.74'	796.48'	796.75'	797.41'	798.11'	798.21'	798.64'
3	TOP OF SLAB	796.36'	797.16'	797.37'	798.12'	798.73'	798.86'	799.26'
	TOP OF STEEL	795.78'	796.52'	796.79'	797.45'	798.15'	798.25'	798.68'
4	TOP OF SLAB	796.32'	797.12'	797.33'	798.08'	798.69'	798.82'	799.22'
	TOP OF STEEL	795.74'	796.48'	796.75'	797.41'	798.11'	798.21'	798.64'
5	TOP OF SLAB	796.19'	796.99'	797.20'	797.95'	798.56'	798.69'	799.09'
	TOP OF STEEL	795.61'	796.35'	796.62'	797.28'	797.98'	798.08'	798.51'

ILLINOIS DIVISION OF HIGHWAYS
ROCKFORD BYPASS

F. A. ROUTE 194
PROJECT _____ SECTION **4-HB**
WINNEBAGO COUNTY

STEEL FRAMING PLAN

Designed By: _____ Drawn By: L. V. S. G. Checked By: J. R. M. F.

FILE NAME = S:\Projects\2013\JOBS\13-57 ESCA PTB 169 ITEM 23 D2 VARIOUS PH 1-11\WD 5 - 28th St. over US 20\CADD\CADD Sheets\0264A08-sht-Ex-Str.dgn
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USER NAME = FNelson
FILE NAME = D264A08-sht-Ex-Str.dgn
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PLOT DATE = 6/12/2020

DESIGNED - FBN
DRAWN - SM
CHECKED - MCV
DATE - 6/12/2020

REVISED -
REVISED -
REVISED -
REVISED -

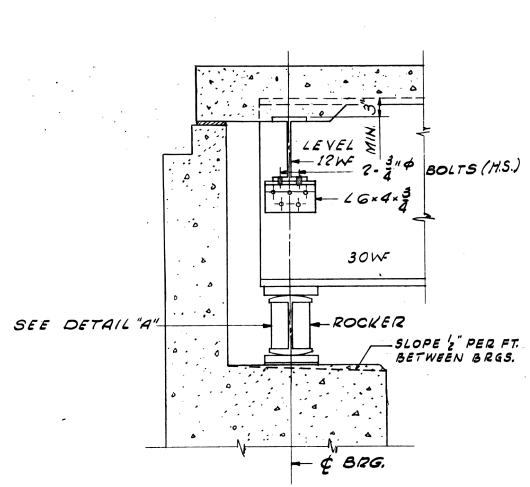
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING STRUCTURE PLANS
(FOR INFORMATION ONLY)

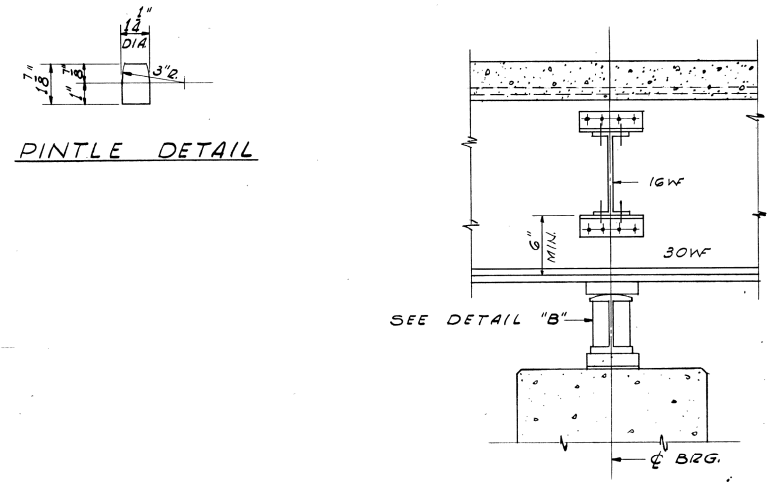
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	4-HBR	WINNEBAGO	148	61
CONTRACT NO. 64A08				
ILLINOIS FED. AID PROJECT				

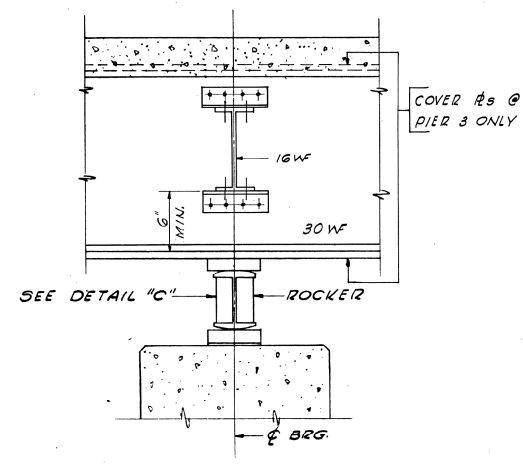
ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
F.A. 194	4HB	WINNEBAGO	24	13
STA.		TO STA.		
FED. ROAD DIST. NO. 7 ILLINOIS		PROJ.		



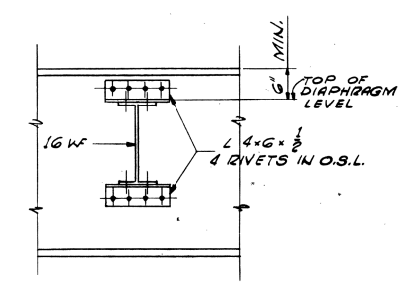
SECTION A, ABUTMENT



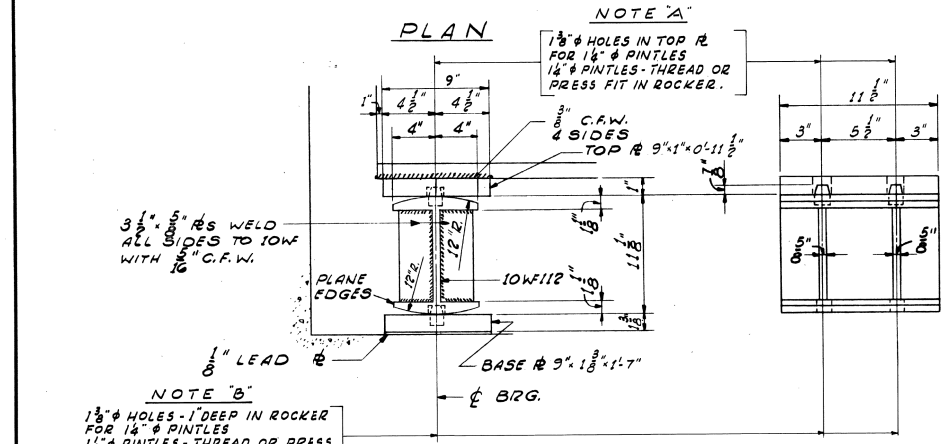
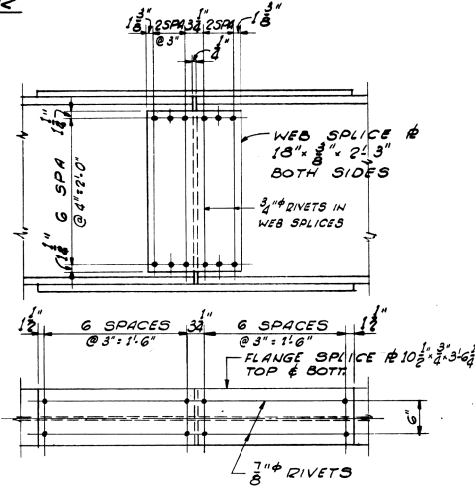
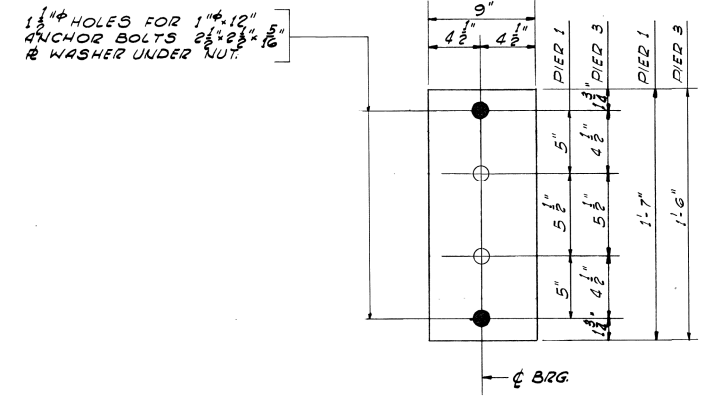
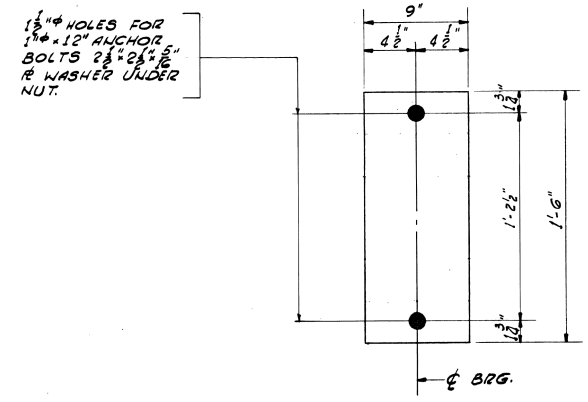
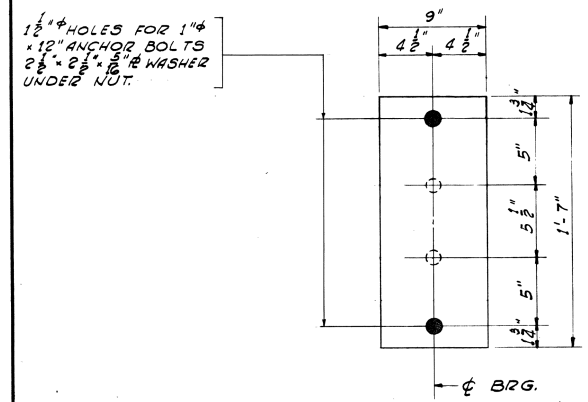
SECTION A, FIXED PIER



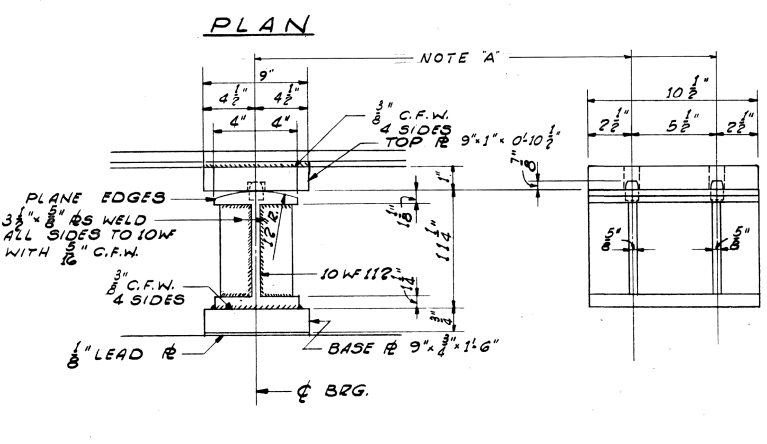
SECTION A, EXPANSION PIER



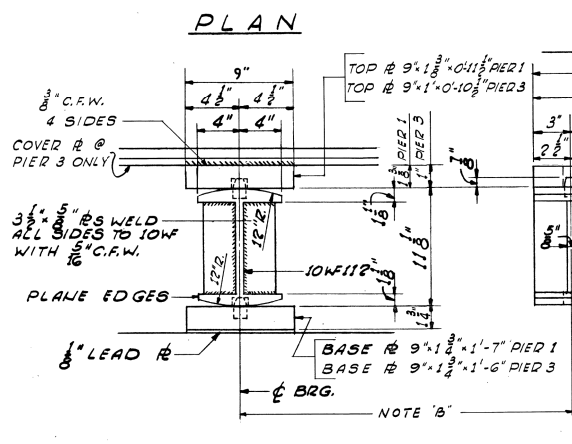
INTERIOR DIAPHRAGM



DETAIL "A"



DETAIL "B"



DETAIL "C"

NOTE A:
1 1/2 inch HOLES IN TOP R FOR 1 1/2 inch PINTLES FOR 1 1/2 inch PINTLES-THREAD OR PRESS FIT IN ROCKER.

NOTE:
PROVIDE 1/8 inch SHIM UNDER BRG. AT ALL PIERS & ABUTMENTS FOR BEAM NO. 3 ONLY. SHIM PLATES TO HAVE SAME LENGTH, WIDTH & BOLT HOLE LOCATIONS AS BEARING BASE PLATES.

ILLINOIS DIVISION OF HIGHWAYS
ROCKFORD BYPASS
F. A. ROUTE 194
PROJECT SECTION 4HB
WINNEBAGO COUNTY
STEEL DETAILS
Designed By: _____ Drawn By: J.B.M. Checked By: _____

FILE NAME = S:\Projects\2013 JOBS\13-57 ESCA PTB 169 ITEM 23 D2 VARIOUS PH 1-11\11\10 5 - 28th St. over US 20\CADD\CADD Sheets\0264A08-sht-Ex-Str.dgn
MODEL = Default
PLOT DRIVER = 100T_PDF.plt



USER NAME = FNelson	DESIGNED - FBN	REVISED -
FILE NAME = D264A08-sht-Ex-Str.dgn	DRAWN - SM	REVISED -
PLOT SCALE = 100.0000 / 1 in.	CHECKED - MCV	REVISED -
PLOT DATE = 6/12/2020	DATE - 6/12/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

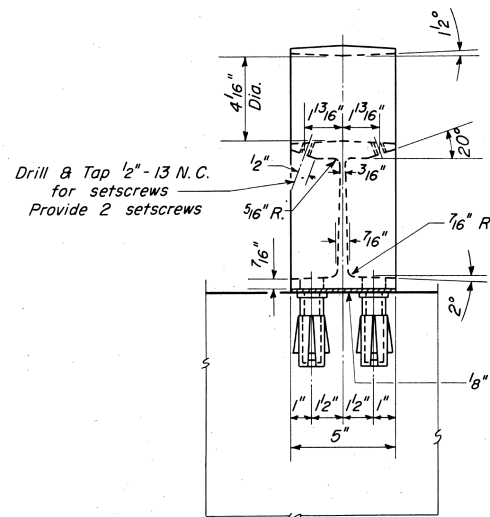
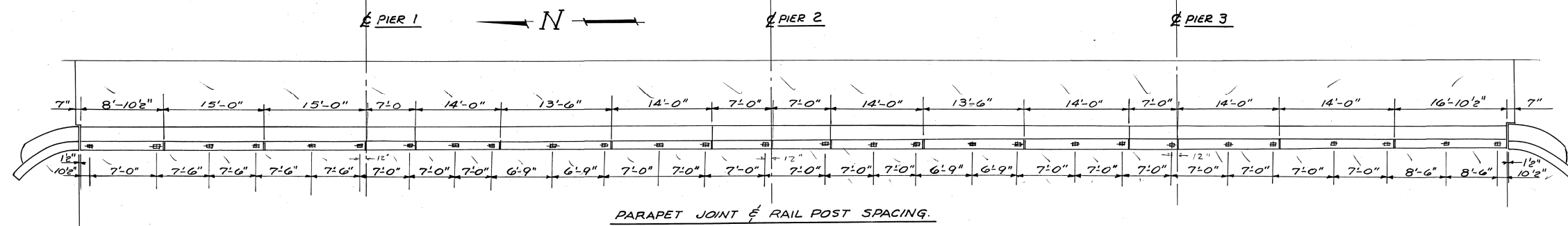
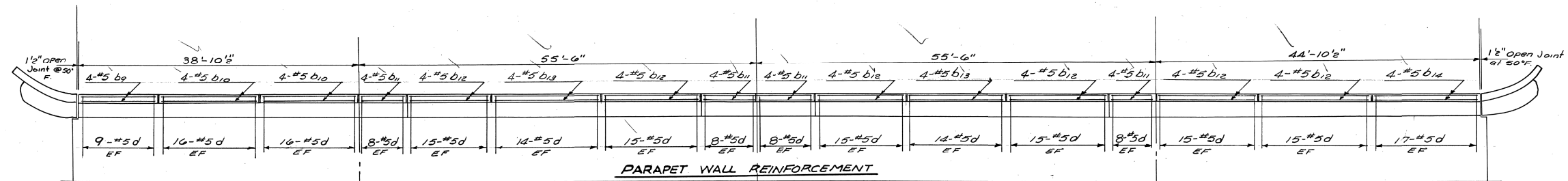
EXISTING STRUCTURE PLANS
(FOR INFORMATION ONLY)

SCALE: SHEET NO. 14 OF 17 SHEETS STA. TO STA.

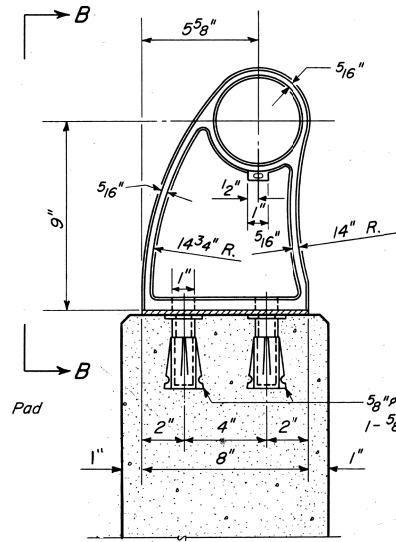
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	4-HBR	WINNEBAGO	148	62
ILLINOIS FED. AID PROJECT			CONTRACT NO. 64A08	

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

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO.
F.A. 194	4HB	WINNEBAGO	24	14	
FED. ROAD DIST. NO. 7		ILLINOIS		FED. AID PROJECT	

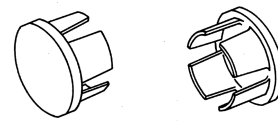


VIEW B-B



SECTION A-A

RAIL POST DETAILS

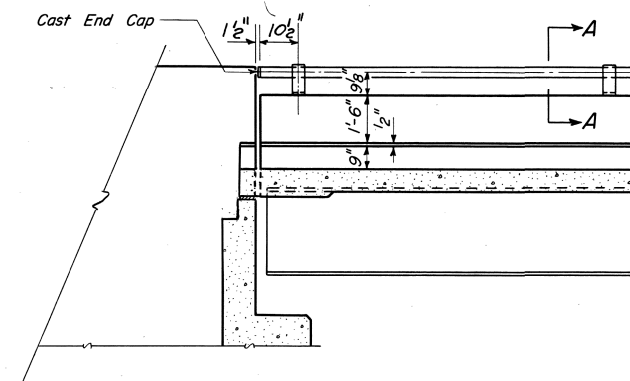


CAST END CAP
DRIVE FIT TYPE
4 - Required
Incidental to item "Aluminum Handrail"

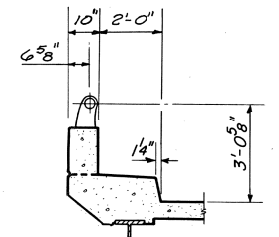
5/8\"/>

NOTES

- All Posts shall be placed normal to parapet
- All Posts shall be of Aluminum conforming to ASTM Specification B-108 alloy 56-70B-T6.
- All Rail Tubing shall be of Aluminum conforming to ASTM Specification B-235 alloy 6S-11A-T6.
- Alclad Washers shall be made from sheet conforming to ASTM Specification B-209 alloy clad CG-42A-T4.
- Rail Tubing may extend a maximum of 3 panel lengths.
- For material composition of Prefabricated Pad, See Art. 54.9 (f), (Bearings and Anchorage), of the Std. Specs.
- Set Screws shall be of Aluminum conforming to ASTM Specification B-211 alloy CG-42A-T4.



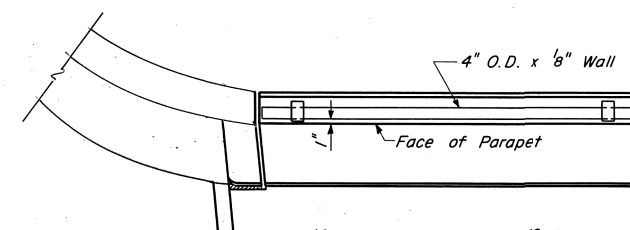
ELEVATION - END POST



SEC. THRU CURB

BILL OF MATERIAL

Item	Unit	Quantity
Aluminum Handrail <td>Lin. Ft.</td> <td>1390</td>	Lin. Ft.	1390



PLAN - END POST

DESIGNED	EXAMINED	19
CHECKED	PASSED	ENGINEER OF BRIDGE AND TRAFFIC STRUCTURES
DRAWN W. A. Sausaman	APPROVED	ENGINEER OF DESIGN
CHECKED		CHIEF HIGHWAY ENGINEER

R-10 Drawn 2-16-60

PROJECT U-284 (14)
FA. ROUTE 194 - SEC. 4HB
WINNEBAGO COUNTY
STA. 594 + 32.73

FILE NAME = S:\Projects\2013 JOBS\13-57 ESCA PTB 169 ITEM 23 D2 VARIOUS PH 1-11\WD 5 - 28th St. over US 20\CADD\CADD Sheets\0264A08-sht-Ex-Str.dgn
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PLOT SCALE = 100.0000 / 1in.
PLOT DATE = 6/12/2020

DESIGNED - FBN
DRAWN - SM
CHECKED - MCV
DATE - 6/12/2020

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING STRUCTURE PLANS
(FOR INFORMATION ONLY)

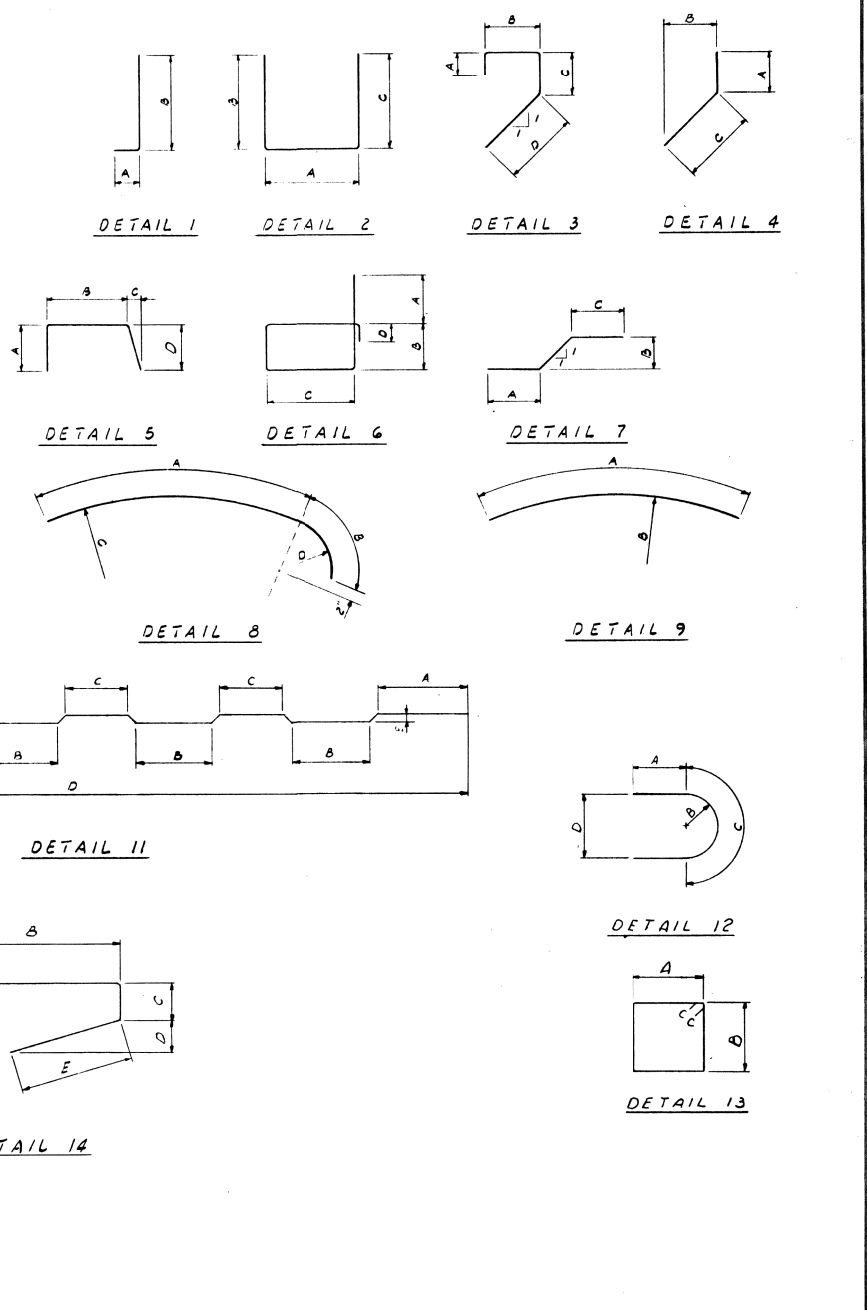
SCALE: SHEET NO. 15 OF 17 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	4-HBR	WINNEBAGO	148	63
CONTRACT NO. 64A08				
ILLINOIS FED. AID PROJECT				

B A R S C H E D U L E

ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
F.A. 194	4HB	WINNEBAGO	24	15
STA. TO STA.		PROJ.		
FED. ROAD DIST. NO. 7 ILLINOIS				

BAR	NO.	SIZE	LENGTH	DETAIL	DIMENSIONS					BAR	NO.	SIZE	LENGTH	DETAIL	DIMENSIONS					BAR	NO.	SIZE	LENGTH	DETAIL	DIMENSIONS									
					A	B	C	D	E						A	B	C	D	E						A	B	C	D	E					
PIER 1										ABUTMENT 1										D E C K														
h12	16	#10	17'-6"	—						h1	8	#6	17'-9"	—						a1	420	#5	31'-0"	—										
h13	8	#5	16'-9"	—						h2	8	#4	17'-9"	—					a2	400	#4	7'-6"	14	1'-1"	2'-6"	7"	6"	1'-10"						
h14	2	#5	26'-6"	—						h3	8	#4	18'-3"	—				a3	210	#5	35'-2"	11	3'-3"	3'-8"	2'-7"	3'-11"	4'-2"							
h15	2	#5	20'-6"	—						h4	12	#6	18'-6"	—				a4	16	#5	6'-6"	—												
h16	2	#5	15'-3"	—						h5	16	#4	16'-9"	—				b1	182	#5	28'-6"	—												
h17	32	#5	13'-9"	—						h6	32	#4	7'-9"	9	7'-9"	10'-3"			b2	16	#4	20'-3"	—											
Y6	36	#5	17'-0"	—						h7	28	#4	3'-0"	—				b3	16	#4	23'-3"	—												
d5	40	#5	5'-3"	1	6"	4'-9"				h8	4	#4	5'-3"	9	5'-3"	10'-3"			b4	32	#4	21'-9"	—											
cu	30	#4	6'-9"	2	2'-3"	2'-3"	2'-3"			h9	4	#4	8'-0"	10	7'-9"	10'-3"	11'-5 1/2"	2'-6"	1'-6"	b5	32	#4	6'-9"	—										
cu	10	#4	9'-9"	2	2'-3"	3'-9"	3'-9"			h10	4	#4	6'-9"	9	6'-9"	10'-11"			b6	32	#4	6'-9"	—											
cu	19	#4	4'-9"	2	2'-3"	1'-3"	1'-3"			h11	4	#4	10'-9"	8	8'-0"	2'-9"	12'-5"	1'-8"	b7	56	#5	3'-0"	7	1'-3"	8'	1'-0"								
cu	24	#4	8'-3"	2	2'-3"	3'-0"	3'-0"			Y1	64	#4	5'-0"	—				b7	102	#6	15'-0"	—												
f2	10	#5	20'-0"	—						Y2	6	#4	3'-9"	—				b8	280	#5	28'-6"	—												
Z	41	#6	8'-6"	—						Y3	12	#5	9'-0"	—				b9	8	#5	8'-7"	—												
										Y4	20	#5	7'-3"	—				b10	16	#5	14'-9"	—												
										Y5	8	#5	6'-0"	—				b11	32	#5	6'-9"	—												
										d2	20	#5	3'-0"	—				b12	48	#5	13'-9"	—												
										d3	20	#5	3'-6"	1	6"	3'-0"		b13	16	#5	13'-3"	—												
										d4	20	#4	3'-0"	1	6"	2'-6"		b14	8	#5	16'-7"	—												
										e1	32	#4	15'-9"	6	2'-3"	3'-6"	3'-0"	6"	d	832	#5	2'-6"	1	6"	2'-0"									
										e2	72	#4	4'-6"	2	1'-6"	1'-6"	1'-6"	X	112	#6	5'-0"	15	8"	4'-4"										
										e3	28	#4	1'-6"	1	4"	1'-2"																		
										e4	6	#4	4'-3"	2	2'-3"	1'-0"	1'-0"																	
										e5	8	#4	6'-9"	3	6"	2'-6"	9"	3'-0"																
										e6	4	#4	5'-0"	2	6"	2'-3"	2'-3"																	
										e7	4	#4	7'-0"	2	6"	3'-3"	3'-3"																	
										e8	16	#4	3'-0"	5	9"	1'-5"	1"	9"																
										e9	4	#4	7'-3"	2	1'-3"	3'-0"	3'-0"																	
										e10	4	#4	7'-6"	2	1'-6"	3'-0"	3'-0"																	
										f1	14	#5	12'-3"	—																				
										K1	20	#5	5'-9"	—																				



**ILLINOIS DIVISION OF HIGHWAYS
ROCKFORD BYPASS**

F. A. ROUTE 194
PROJECT _____ SECTION 4HB
WINNEBAGO COUNTY

REINFORCING SCHEDULE

Designed By: _____ Drawn By: *D.H.* Checked By: *J.R.M.F.*

FILE NAME = S:\Projects\2013 JOBS\13-57 ESCA PTB 169 ITEM 23 D2 VARIOUS PH 1-11\10 5 - 28th St over US 28\CAD\CADD Sheets\0264A08-sht-Ex-Str.dgn
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 PLOT DRIVER = IODT_PDF.plt



USER NAME = F.Nelson
 FILE NAME = 0264A08-sht-Ex-Str.dgn
 PLOT SCALE = 100.0000' / 1"
 PLOT DATE = 6/12/2020

DESIGNED - FBN
 DRAWN - SM
 CHECKED - MCV
 DATE - 6/12/2020

REVISED -
 REVISED -
 REVISED -
 REVISED -

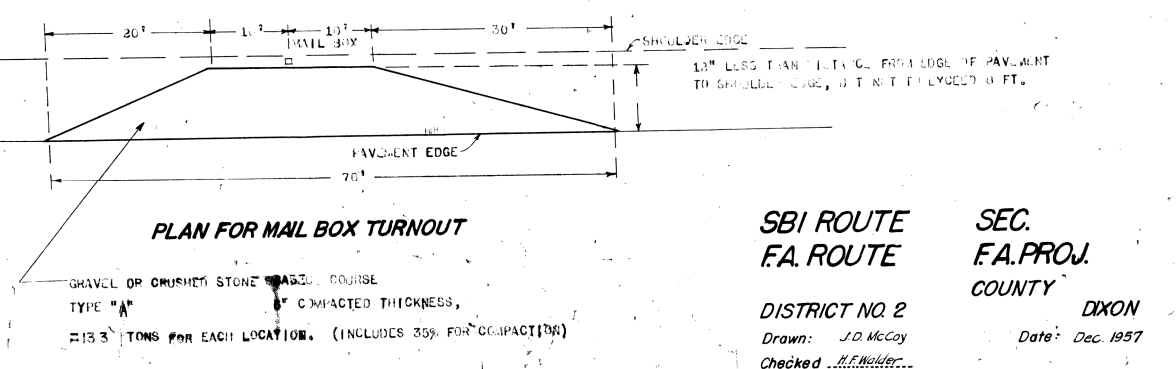
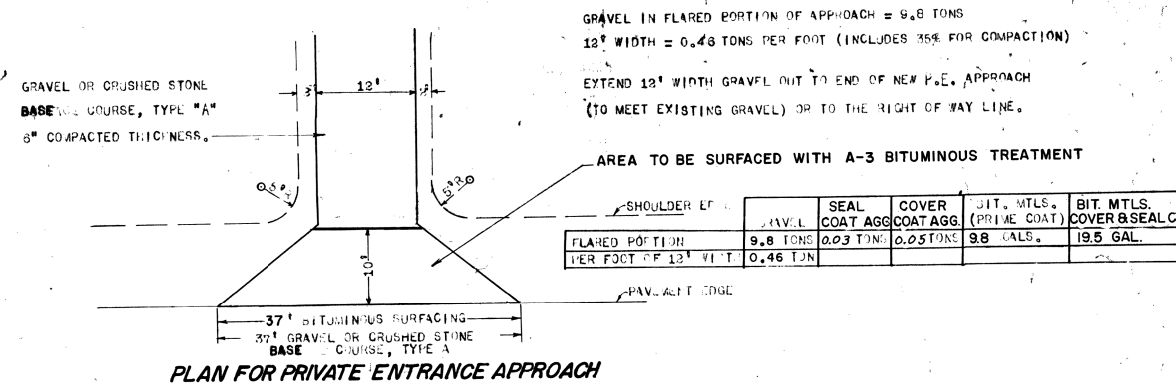
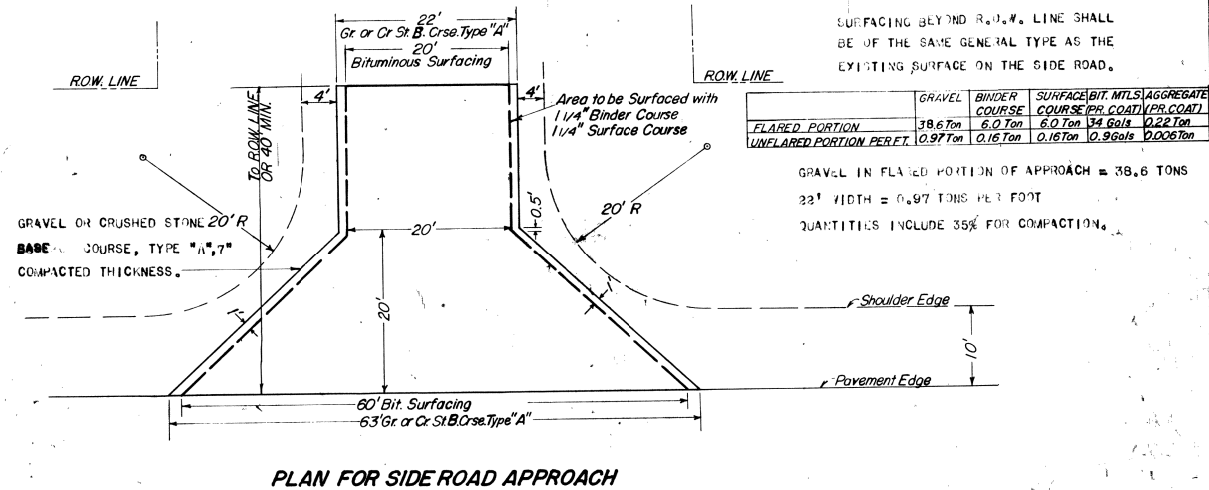
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING STRUCTURE PLANS
(FOR INFORMATION ONLY)

SCALE: _____ SHEET NO. 16 OF 17 SHEETS STA. _____ TO STA. _____

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	4-HBR	WINNEBAGO	148	64
CONTRACT NO. 64A08				
ILLINOIS FED. AID PROJECT				

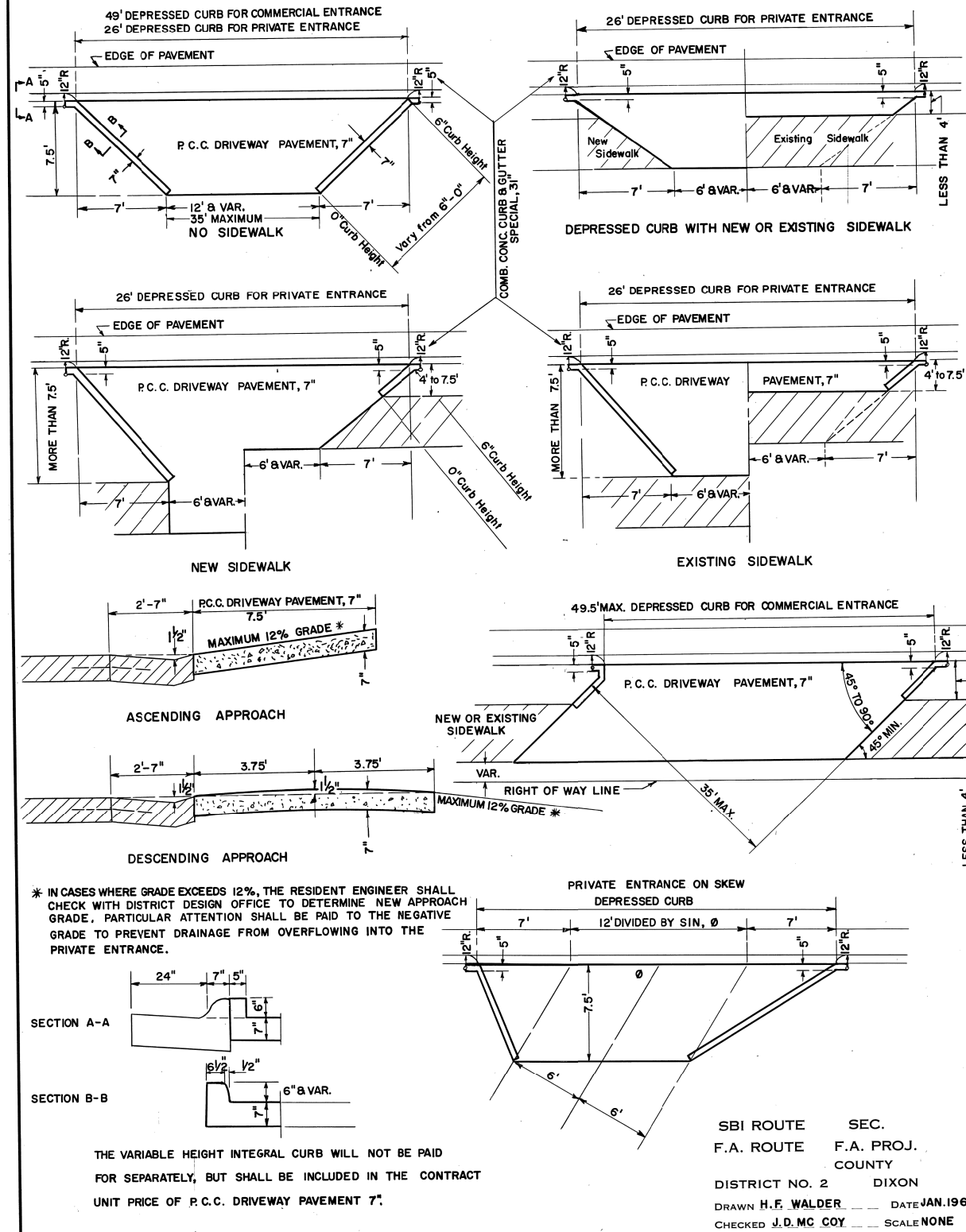
DETAILS OF BITUMINOUS SURFACE APPROACHES ON GRAVEL OR CRUSHED STONE BASE COURSE TYPE "A" FOR PRIVATE ENTRANCE & SIDE ROAD & MAIL BOX TURNOUTS



SBI ROUTE F.A. ROUTE
SEC. F.A. PROJ. COUNTY
DISTRICT NO. 2 DIXON
Drawn: J.D. McCoy Date: Dec. 1957
Checked: H.F. Walder

PRIVATE ENTRANCE APPROACHES - URBAN AREA

ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
FA-194	4-HB	WINNEBAGO	24	21
FED. ROAD DIST. NO. 7 ILLINOIS PROJECT				



FILE NAME = S:\Projects\2813 JOBS\13-57 ESCA PTB 169 ITEM 23 D2 VARIOUS PH 1-11-10 5 - 28th St. over US 20\CADD\CADD Sheets\0264A08-sht-Ex-Str.dgn
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USER NAME = F.Nelson	DESIGNED - FBN	REVISED -
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PLOT SCALE = 100.0000' / in.	CHECKED - MCV	REVISED -
PLOT DATE = 6/12/2020	DATE - 6/12/2020	REVISED -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

EXISTING STRUCTURE PLANS (FOR INFORMATION ONLY)

SCALE: SHEET NO. 17 OF 17 SHEETS STA. TO STA.

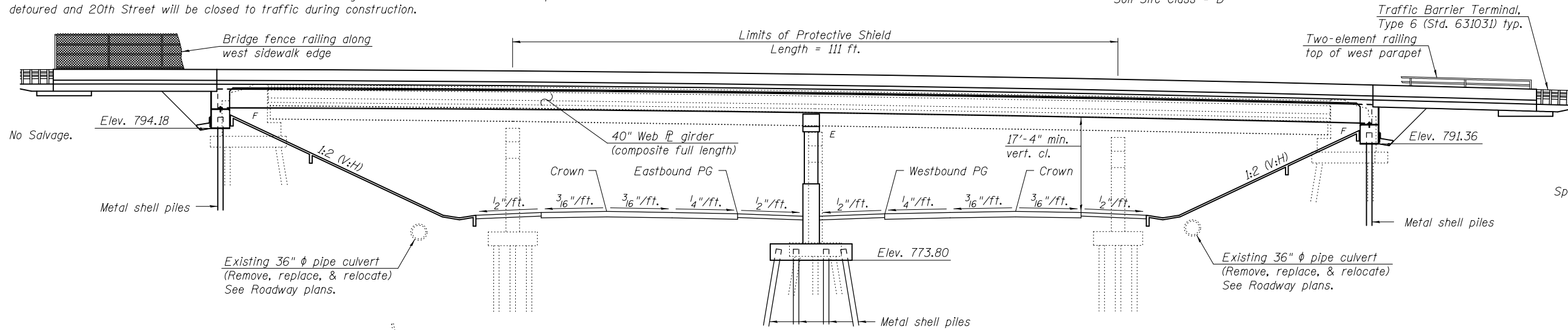
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	4-HBR	WINNEBAGO	148	65
CONTRACT NO. 64A08				
ILLINOIS FED. AID PROJECT				

Benchmark: GPS - Control Point (#22) = 55.85' right of Sta. 1036+85.17, Elev. 787.552.

Existing Structure: Structure No. 101-0116 built in 1963 as F.A.P. 194, Section 4-HB. The superstructure consists of 4 span continuous non-composite wide flange beams with reinforced concrete deck. The substructure consists of pile bent abutments on concrete piles and piers on timber piles. Existing structure length back-to-back of abutments is 197'-0". The out-to-out width of deck is 33'-8". Existing structure to be removed and replaced. Traffic will be detoured and 20th Street will be closed to traffic during construction.

SEISMIC DATA

Seismic Performance Zone (SPZ) = 1
 Design Spectral Acceleration at 1.0 sec. (S_{D1}) = 0.079 g
 Design Spectral Acceleration at 0.2 sec. (S_{D5}) = 0.134 g
 Soil Site Class = D



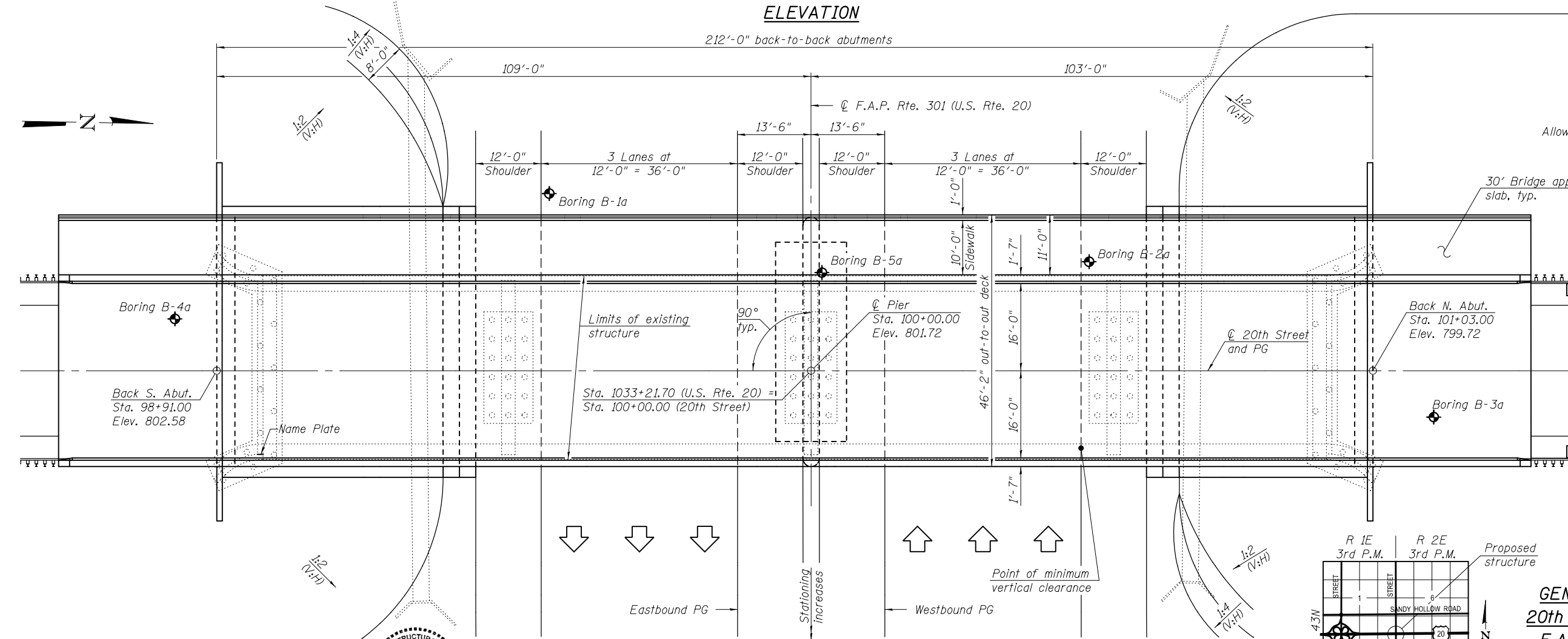
DESIGN SPECIFICATIONS
 2014 AASHTO LRFD Bridge Design Specifications, 7th Edition with 2015 Interims

DESIGN STRESSES

FIELD UNITS

f'_c = 4,000 psi (Superstructure)
 f'_c = 3,500 psi
 f_y = 60,000 psi (Reinforcement)
 f_y = 50,000 psi (M270 Grade 50)

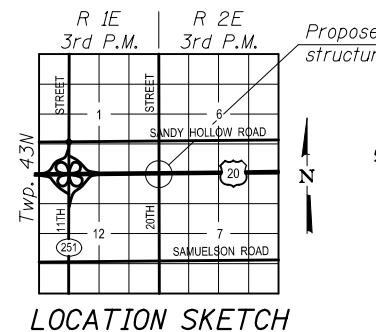
ELEVATION



LOADING HL-93

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

PLAN



GENERAL PLAN & ELEVATION
 20th STREET OVER U.S. RTE 20
 F.A.P. RTE. 301 - SEC. 4HBR
 WINNEBAGO COUNTY
 STATION 100+00.00
 STRUCTURE NO. 101-0188

7/31/2020 4:08:14 PM



EXPIRES 11-30-2020

DESIGNED - NICHOLAS R. BARNETT
 CHECKED - PAUL GURKLYS/CORY KOLTVEIT
 DRAWN - MICHAEL B. MOSSMAN
 CHECKED - PG / CDK / GRA

EXAMINED
 PASSED
 ENGINEER OF BRIDGE DESIGN
 ENGINEER OF BRIDGES AND STRUCTURES

DATE - 8/6/2020
 REVISED
 REVISED

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SHEET NO. 1 OF 34 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	4HBR	WINNEBAGO	148	66
CONTRACT NO. 64A08				

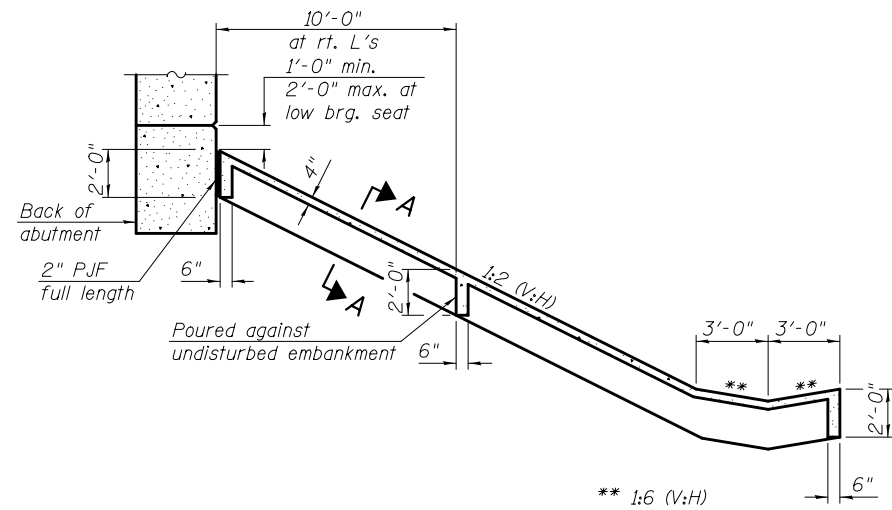
ILLINOIS FED. AID PROJECT

INDEX OF SHEETS

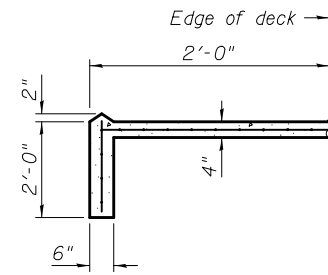
- 1 - General Plan and Elevation
- 2 - General Data
- 3-4 - Top of Slab Elevations
- 5-6 - Top of Approach Slab Elevations
- 7-8 - Superstructure
- 9-13 - Superstructure Details
- 14 - Diaphragm Details
- 15-17 - Bridge Approach Slab Details
- 18 - Bridge Fence Railing
- 19 - Parapet Railing
- 20 - Structural Steel
- 21 - Structural Steel Details
- 22 - Bearing Details
- 23-25 - Abutment
- 26-27 - Pier
- 28 - Metal Shell Pile Details
- 29 - Form Liner Details
- 30-34 - Boring Logs

GENERAL NOTES

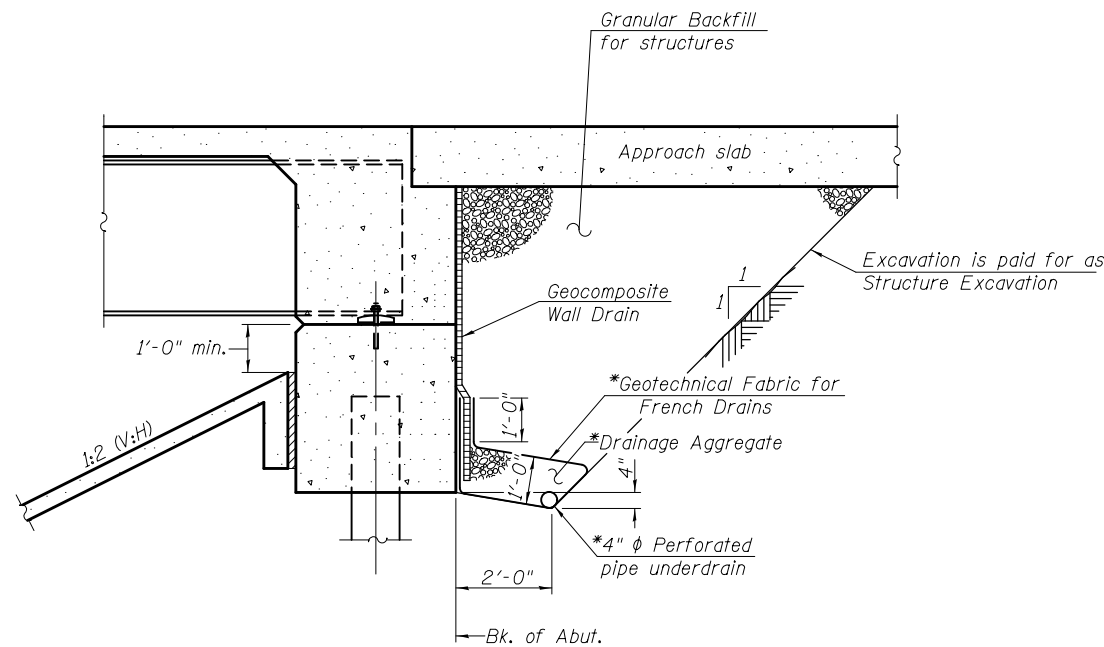
Fasteners shall be ASTM A325 Type 1, mechanically galvanized bolts. Bolts $\frac{7}{8}$ in. ϕ , holes $\frac{15}{16}$ in. ϕ , unless otherwise noted.
 Calculated weight of Structural Steel = 366,961 Lbs. (M270 Grade 50)
 Calculated weight of Structural Steel = 24,374 Lbs. (M270 Grade 36)
 No field welding is permitted except as specified in the contract documents.
 Reinforcement bars designated (E) shall be epoxy coated.
 Bearing seat surfaces shall be constructed or adjusted to the designated elevations within a tolerance of $\frac{1}{8}$ inch (0.01 ft.). Adjustment shall be made either by grinding the surface or by shimming the bearings.
 The existing structural steel coating contains lead. The Contractor shall take appropriate precautions to deal with the presence of lead on this project.
 All structural steel shall be thermal spray metallized, and sealed using System #1, except the fascia beams shall be painted with the primary and intermediate coats of System #2, and the exterior surface and bottom of bottom flange of the fascia beams only shall be painted with the 2 top coats of System #2.
 The color of the final finish coat for the exterior surface and bottom of the bottom flange of the fascia beams shall be Blue, Munsell No. 10B 3/6. See Special Provisions for Metallizing of Structural Steel.
 The embankment configuration shown shall be the minimum that must be placed and compacted prior to construction of the abutments.
 Slope wall shall be reinforced with welded wire fabric, 6" x 6" - W4.0 x W4.0, weighing 58 lbs. per 100 sq. ft.
 Slipforming of parapets is not allowed.



SECTION THRU CONCRETE SLOPEWALL



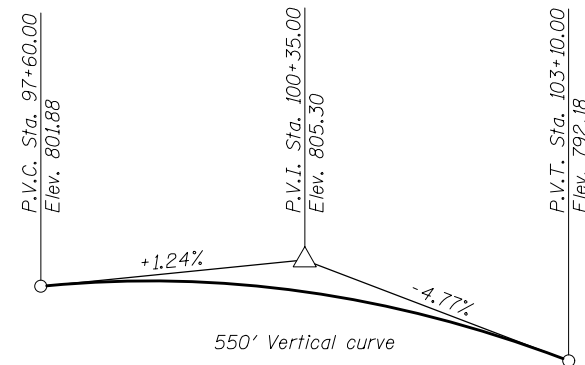
SECTION A-A



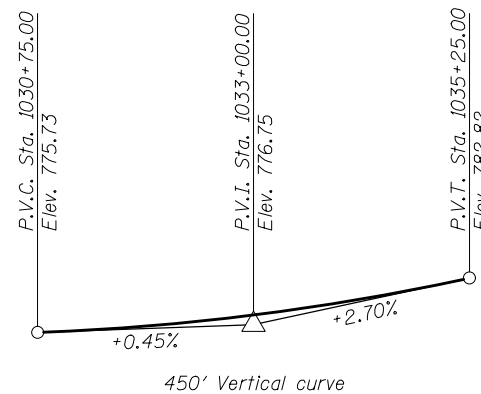
SECTION THRU INTEGRAL ABUTMENT
(Horiz. dim. @ Rt. L's)

*Included in the cost of Pipe Underdrains for Structures. (See Special Provisions)

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



20th STREET PROFILE GRADE



U.S. RTE. 20 PROFILE GRADE

STATION 100+00.00
 BUILT 20 BY
 STATE OF ILLINOIS
 F.A.P. RTE. 301 - SEC. 4HBR
 LOADING HL-93
 STRUCTURE NO. 101-0188

NAME PLATE
 See Std. 515001

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Removal of Existing Structures	Each	1		1
Protective Shield	Sq. Yd.	345.3		345.3
Structure Excavation	Cu. Yd.		326.3	326.3
Concrete Structures	Cu. Yd.		176.1	176.1
Concrete Superstructure	Cu. Yd.	378.8		378.8
Bridge Deck Grooving	Sq. Yd.	899		899
Form Liner Textured Surface	Sq. Ft.	1,274		1,274
Protective Coat	Sq. Yd.	1,671		1,671
Concrete Superstructure (Approach Slab)	Cu. Yd.	128.6		128.6
Furnishing and Erecting Structural Steel	L. Sum	1		1
Stud Shear Connectors	Each	3,738		3,738
Reinforcement Bars, Epoxy Coated	Pound	136,700	26,840	163,540
Bridge Fence Railing	Foot	270		270
Parapet Railing	Foot	269		269
Slope Wall 4 Inch	Sq. Yd.		506	506
Furnishing Metal Shell Piles 14" x 0.312"	Foot		2,209	2,209
Driving Piles	Foot		2,209	2,209
Test Pile Metal Shells	Each		3	3
Pile Shoes	Each		56	56
Name Plates	Each	1		1
Elastomeric Bearing Assembly, Type I	Each	7		7
Anchor Bolts, 1"	Each		28	28
Anchor Bolts, 1/2"	Each		14	14
Geocomposite Wall Drain	Sq. Yd.		87	87
Pipe Underdrains for Structures, 4"	Foot		161	161
Granular Backfill for Structures	Cu. Yd.		157.8	157.8

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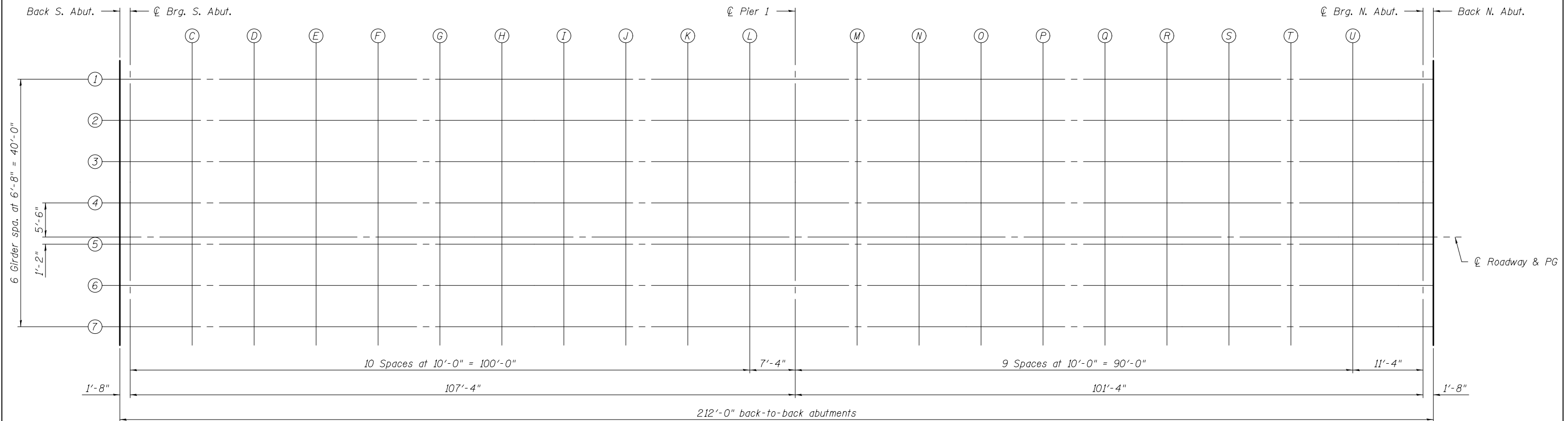
DESIGNED - NICHOLAS R. BARNETT	EXAMINED - <i>James F. J...</i>	DATE - AUGUST 6, 2020
CHECKED - PAUL GURKLYS/CORY KOLTVEIT	PASSED - <i>Paul Gurklys</i>	
DRAWN - MICHAEL B. MOSSMAN		
CHECKED - PG / CDK / GRA		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL DATA
STRUCTURE NO. 101 - 0188

SHEET NO. 2 OF 34 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	4HBR	WINNEBAGO	148	67
CONTRACT NO. 64A08				
ILLINOIS FED. AID PROJECT				



PLAN

GIRDER 1

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Back S. Abut.	98+91.00	-25.50	802.11	802.11
☉ Brg. S. Abut.	98+92.67	-25.50	802.11	802.11
C	99+02.67	-25.50	802.08	802.12
D	99+12.67	-25.50	802.04	802.12
E	99+22.67	-25.50	801.99	802.10
F	99+32.67	-25.50	801.93	802.05
G	99+42.67	-25.50	801.86	801.98
H	99+52.67	-25.50	801.78	801.89
I	99+62.67	-25.50	801.69	801.77
J	99+72.67	-25.50	801.59	801.64
K	99+82.67	-25.50	801.47	801.51
L	99+92.67	-25.50	801.35	801.36
☉ Pier 1	100+00.00	-25.50	801.25	801.25
M	100+10.00	-25.50	801.11	801.12
N	100+20.00	-25.50	800.95	800.97
O	100+30.00	-25.50	800.79	800.82
P	100+40.00	-25.50	800.61	800.67
Q	100+50.00	-25.50	800.42	800.50
R	100+60.00	-25.50	800.22	800.30
S	100+70.00	-25.50	800.02	800.09
T	100+80.00	-25.50	799.80	799.85
U	100+90.00	-25.50	799.56	799.60
☉ Brg. N. Abut.	101+01.33	-25.50	799.29	799.29
Back N. Abut.	101+03.00	-25.50	799.25	799.25

GIRDER 2

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Back S. Abut.	98+91.00	-18.83	802.25	802.25
☉ Brg. S. Abut.	98+92.67	-18.83	802.24	802.24
C	99+02.67	-18.83	802.22	802.26
D	99+12.67	-18.83	802.18	802.26
E	99+22.67	-18.83	802.13	802.24
F	99+32.67	-18.83	802.07	802.18
G	99+42.67	-18.83	802.00	802.12
H	99+52.67	-18.83	801.92	802.02
I	99+62.67	-18.83	801.83	801.91
J	99+72.67	-18.83	801.73	801.78
K	99+82.67	-18.83	801.61	801.65
L	99+92.67	-18.83	801.49	801.50
☉ Pier 1	100+00.00	-18.83	801.39	801.39
M	100+10.00	-18.83	801.25	801.26
N	100+20.00	-18.83	801.09	801.11
O	100+30.00	-18.83	800.93	800.96
P	100+40.00	-18.83	800.75	800.80
Q	100+50.00	-18.83	800.56	800.64
R	100+60.00	-18.83	800.36	800.44
S	100+70.00	-18.83	800.15	800.22
T	100+80.00	-18.83	799.93	799.99
U	100+90.00	-18.83	799.70	799.73
☉ Brg. N. Abut.	101+01.33	-18.83	799.43	799.43
Back N. Abut.	101+03.00	-18.83	799.39	799.39

GIRDER 3

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Back S. Abut.	98+91.00	-12.17	802.39	802.39
☉ Brg. S. Abut.	98+92.67	-12.17	802.38	802.38
C	99+02.67	-12.17	802.36	802.39
D	99+12.67	-12.17	802.32	802.40
E	99+22.67	-12.17	802.27	802.38
F	99+32.67	-12.17	802.21	802.32
G	99+42.67	-12.17	802.14	802.26
H	99+52.67	-12.17	802.06	802.16
I	99+62.67	-12.17	801.97	802.05
J	99+72.67	-12.17	801.87	801.92
K	99+82.67	-12.17	801.75	801.79
L	99+92.67	-12.17	801.63	801.64
☉ Pier 1	100+00.00	-12.17	801.53	801.53
M	100+10.00	-12.17	801.38	801.40
N	100+20.00	-12.17	801.23	801.25
O	100+30.00	-12.17	801.06	801.10
P	100+40.00	-12.17	800.89	800.94
Q	100+50.00	-12.17	800.70	800.77
R	100+60.00	-12.17	800.50	800.57
S	100+70.00	-12.17	800.29	800.36
T	100+80.00	-12.17	800.07	800.13
U	100+90.00	-12.17	799.84	799.87
☉ Brg. N. Abut.	101+01.33	-12.17	799.57	799.57
Back N. Abut.	101+03.00	-12.17	799.52	799.52

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DESIGNED - NICHOLAS R. BARNETT	EXAMINED - <i>Jaime F. J...</i>	DATE - AUGUST 6, 2020
CHECKED - PAUL GURKLYS/CORY KOLTVEIT	PASSED - <i>Carl...</i>	REVISIONS
DRAWN - MICHAEL B. MOSSMAN	ENGINEER OF BRIDGES AND STRUCTURES	REVISIONS
CHECKED - PG / CDK / GRA		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TOP OF SLAB ELEVATIONS
STRUCTURE NO. 101 - 0188**

SHEET NO. 3 OF 34 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	4HBR	WINNEBAGO	148	68
CONTRACT NO. 64A08				
ILLINOIS FED. AID PROJECT				

GIRDER 4

Table with 5 columns: Location, Station, Offset, Theoretical Grade Elevations, Theoretical Grade Elevations Adjusted For Dead Load Deflection. Rows include Back S. Abut., C through U, Q Pier 1, and Back N. Abut.

ROADWAY & PG

Table with 5 columns: Location, Station, Offset, Theoretical Grade Elevations, Theoretical Grade Elevations Adjusted For Dead Load Deflection. Rows include Back S. Abut., C through U, Q Pier 1, and Back N. Abut.

GIRDER 5

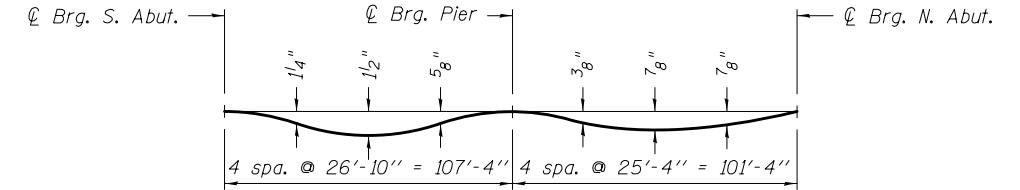
Table with 5 columns: Location, Station, Offset, Theoretical Grade Elevations, Theoretical Grade Elevations Adjusted For Dead Load Deflection. Rows include Back S. Abut., C through U, Q Pier 1, and Back N. Abut.

GIRDER 6

Table with 5 columns: Location, Station, Offset, Theoretical Grade Elevations, Theoretical Grade Elevations Adjusted For Dead Load Deflection. Rows include Back S. Abut., C through U, Q Pier 1, and Back N. Abut.

GIRDER 7

Table with 5 columns: Location, Station, Offset, Theoretical Grade Elevations, Theoretical Grade Elevations Adjusted For Dead Load Deflection. Rows include Back S. Abut., C through U, Q Pier 1, and Back N. Abut.

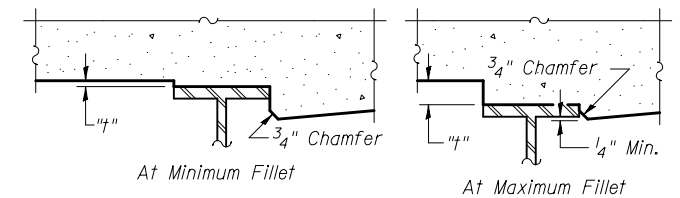


DEAD LOAD DEFLECTION DIAGRAM

(Includes weight of concrete only.)

Note:

The above deflections are not to be used in the field if the engineer is working from the grade elevations adjusted for dead load deflections as shown on sheets 3 and 4 of 34.



To determine "t": After all structural steel has been erected, elevations of the top flanges of the beams shall be taken at intervals shown on sheet 3 of 34. These elevations subtracted from the "Theoretical Grade Elevations Adjusted for Dead Load Deflection" shown on sheets 3 and 4 of 34, minus slab thickness, equals the fillet heights "t" above top flange of beams.

FILLET HEIGHTS

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Designation table with columns for DESIGNED, CHECKED, DRAWN, CHECKED, EXAMINED, PASSED, and DATE. Includes signatures and names like Nicholas R. Barnett and Paul Gurklys/Cory Koltveit.

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

TOP OF SLAB ELEVATIONS STRUCTURE NO. 101 - 0188

Table with columns for F.A.P. RTE., SECTION, COUNTY, TOTAL SHEETS, SHEET NO., CONTRACT NO. Includes values like 301, 4HBR, WINNEBAGO, 148, 69, and 64A08.

SHEET NO. 4 OF 34 SHEETS

ILLINOIS FED. AID PROJECT

WEST EDGE OF SIDEWALK

Location	Station	Offset	Theoretical Grade Elevations
S. End of S. Appr. Slab	98+62.00	-27.58	802.07
A	98+72.00	-27.58	802.07
B	98+82.00	-27.58	802.07
N. End of S. Appr. Slab	98+92.00	-27.58	802.06

EAST EDGE OF SIDEWALK

Location	Station	Offset	Theoretical Grade Elevations
S. End of S. Appr. Slab	98+62.00	-17.58	802.28
A	98+72.00	-17.58	802.28
B	98+82.00	-17.58	802.28
N. End of S. Appr. Slab	98+92.00	-17.58	802.27

WEST CURB LINE

Location	Station	Offset	Theoretical Grade Elevations
S. End of S. Appr. Slab	98+62.00	-16.00	802.31
A	98+72.00	-16.00	802.32
B	98+82.00	-16.00	802.31
N. End of S. Appr. Slab	98+92.00	-16.00	802.30

WEST EDGE OF ROADWAY

Location	Station	Offset	Theoretical Grade Elevations
S. End of S. Appr. Slab	98+62.00	-12.00	802.39
A	98+72.00	-12.00	802.40
B	98+82.00	-12.00	802.40
N. End of S. Appr. Slab	98+92.00	-12.00	802.38

☉ ROADWAY & PG

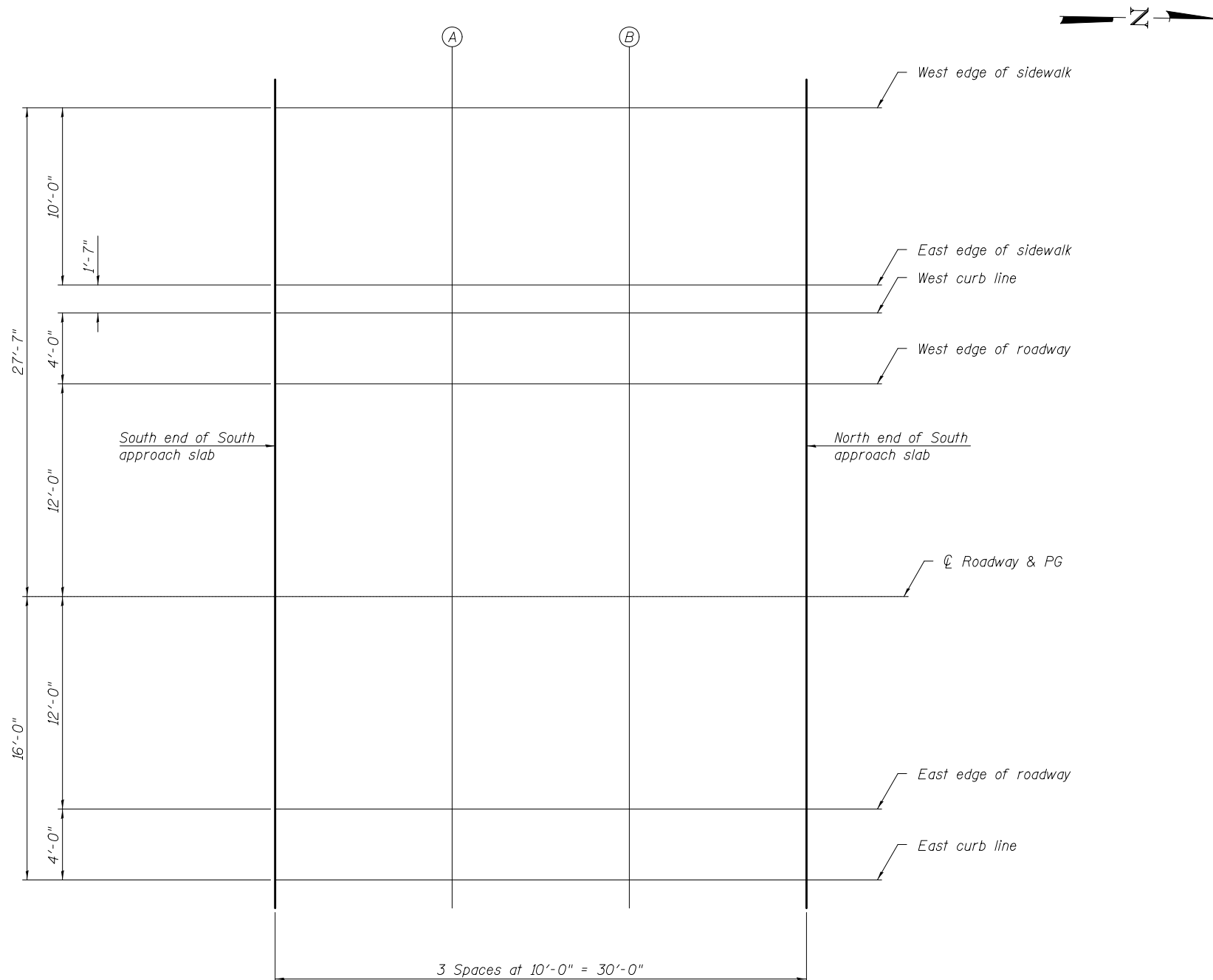
Location	Station	Offset	Theoretical Grade Elevations
S. End of S. Appr. Slab	98+62.00	0.00	802.59
A	98+72.00	0.00	802.59
B	98+82.00	0.00	802.59
N. End of S. Appr. Slab	98+92.00	0.00	802.57

EAST EDGE OF ROADWAY

Location	Station	Offset	Theoretical Grade Elevations
S. End of S. Appr. Slab	98+62.00	12.00	802.39
A	98+72.00	12.00	802.40
B	98+82.00	12.00	802.40
N. End of S. Appr. Slab	98+92.00	12.00	802.38

EAST CURB LINE

Location	Station	Offset	Theoretical Grade Elevations
S. End of S. Appr. Slab	98+62.00	16.00	802.31
A	98+72.00	16.00	802.32
B	98+82.00	16.00	802.31
N. End of S. Appr. Slab	98+92.00	16.00	802.30



PLAN

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DESIGNED - NICHOLAS R. BARNETT	EXAMINED - <i>Jaime F. J. [Signature]</i>	DATE - AUGUST 6, 2020
CHECKED - PAUL GURKLYS/CORY KOLTVEIT	PASSED - <i>Carl [Signature]</i>	REVISIONS
DRAWN - MICHAEL B. MOSSMAN	ENGINEER OF BRIDGES AND STRUCTURES	REVISIONS
CHECKED - PG / CDK / GRA		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TOP OF SOUTH APPROACH SLAB ELEVATIONS
STRUCTURE NO. 101 - 0188**

SHEET NO. 5 OF 34 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	4HBR	WINNEBAGO	148	70
CONTRACT NO. 64A08				
ILLINOIS FED. AID PROJECT				

WEST EDGE OF SIDEWALK

Location	Station	Offset	Theoretical Grade Elevations
S. End of N. Appr. Slab	101+02.00	-27.58	799.22
V	101+12.00	-27.58	798.97
W	101+22.00	-27.58	798.70
N. End of N. Appr. Slab	101+32.00	-27.58	798.42

EAST EDGE OF SIDEWALK

Location	Station	Offset	Theoretical Grade Elevations
S. End of N. Appr. Slab	101+02.00	-17.58	799.43
V	101+12.00	-17.58	799.18
W	101+22.00	-17.58	798.91
N. End of N. Appr. Slab	101+32.00	-17.58	798.63

WEST CURB LINE

Location	Station	Offset	Theoretical Grade Elevations
S. End of N. Appr. Slab	101+02.00	-16.00	799.46
V	101+12.00	-16.00	799.21
W	101+22.00	-16.00	798.94
N. End of N. Appr. Slab	101+32.00	-16.00	798.67

WEST EDGE OF ROADWAY

Location	Station	Offset	Theoretical Grade Elevations
S. End of N. Appr. Slab	101+02.00	-12.00	799.55
V	101+12.00	-12.00	799.29
W	101+22.00	-12.00	799.03
N. End of N. Appr. Slab	101+32.00	-12.00	798.75

☉ ROADWAY & PG

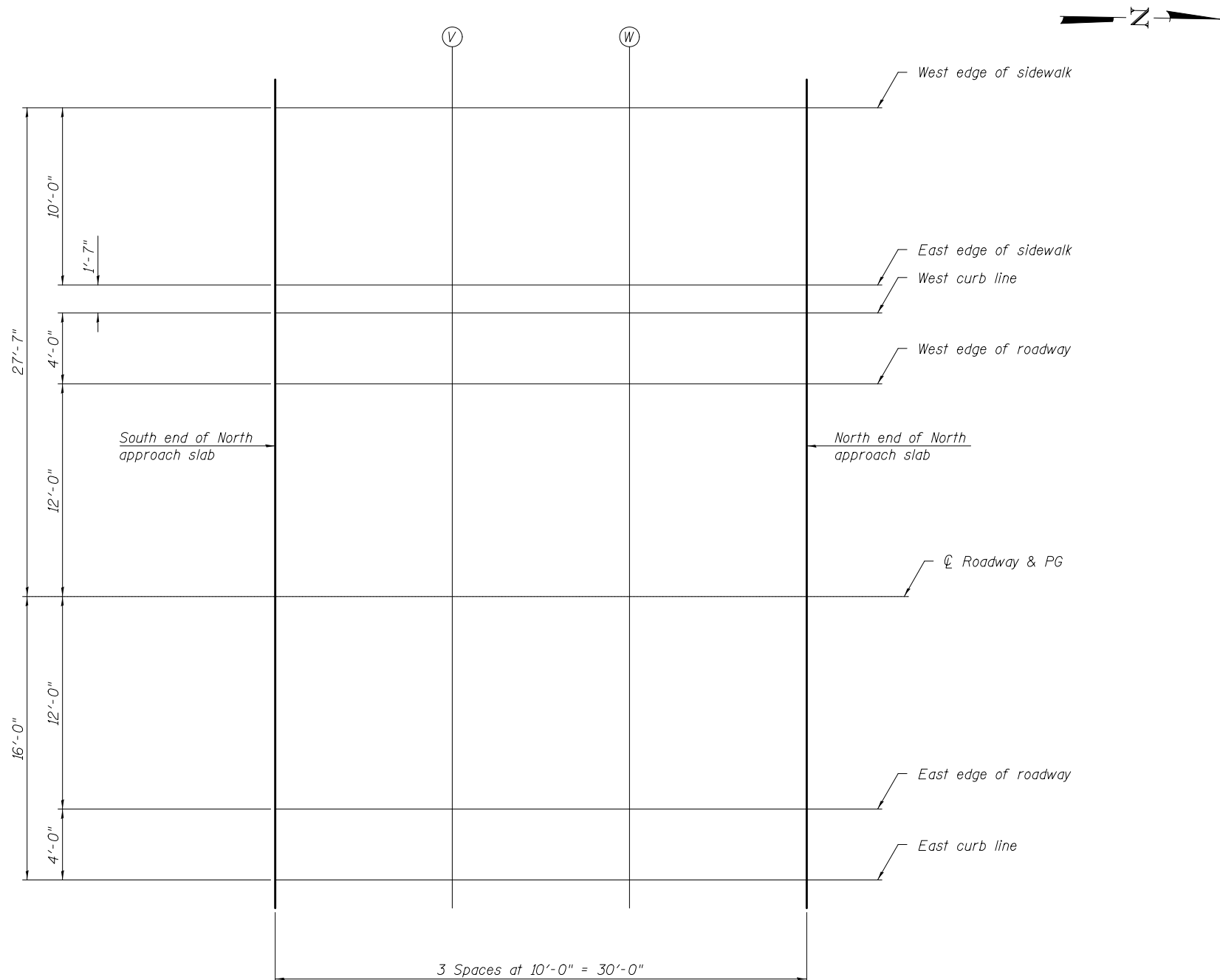
Location	Station	Offset	Theoretical Grade Elevations
S. End of N. Appr. Slab	101+02.00	0.00	799.74
V	101+12.00	0.00	799.49
W	101+22.00	0.00	799.22
N. End of N. Appr. Slab	101+32.00	0.00	798.94

EAST EDGE OF ROADWAY

Location	Station	Offset	Theoretical Grade Elevations
S. End of N. Appr. Slab	101+02.00	12.00	799.55
V	101+12.00	12.00	799.29
W	101+22.00	12.00	799.03
N. End of N. Appr. Slab	101+32.00	12.00	798.75

EAST CURB LINE

Location	Station	Offset	Theoretical Grade Elevations
S. End of N. Appr. Slab	101+02.00	16.00	799.46
V	101+12.00	16.00	799.21
W	101+22.00	16.00	798.94
N. End of N. Appr. Slab	101+32.00	16.00	798.67



PLAN

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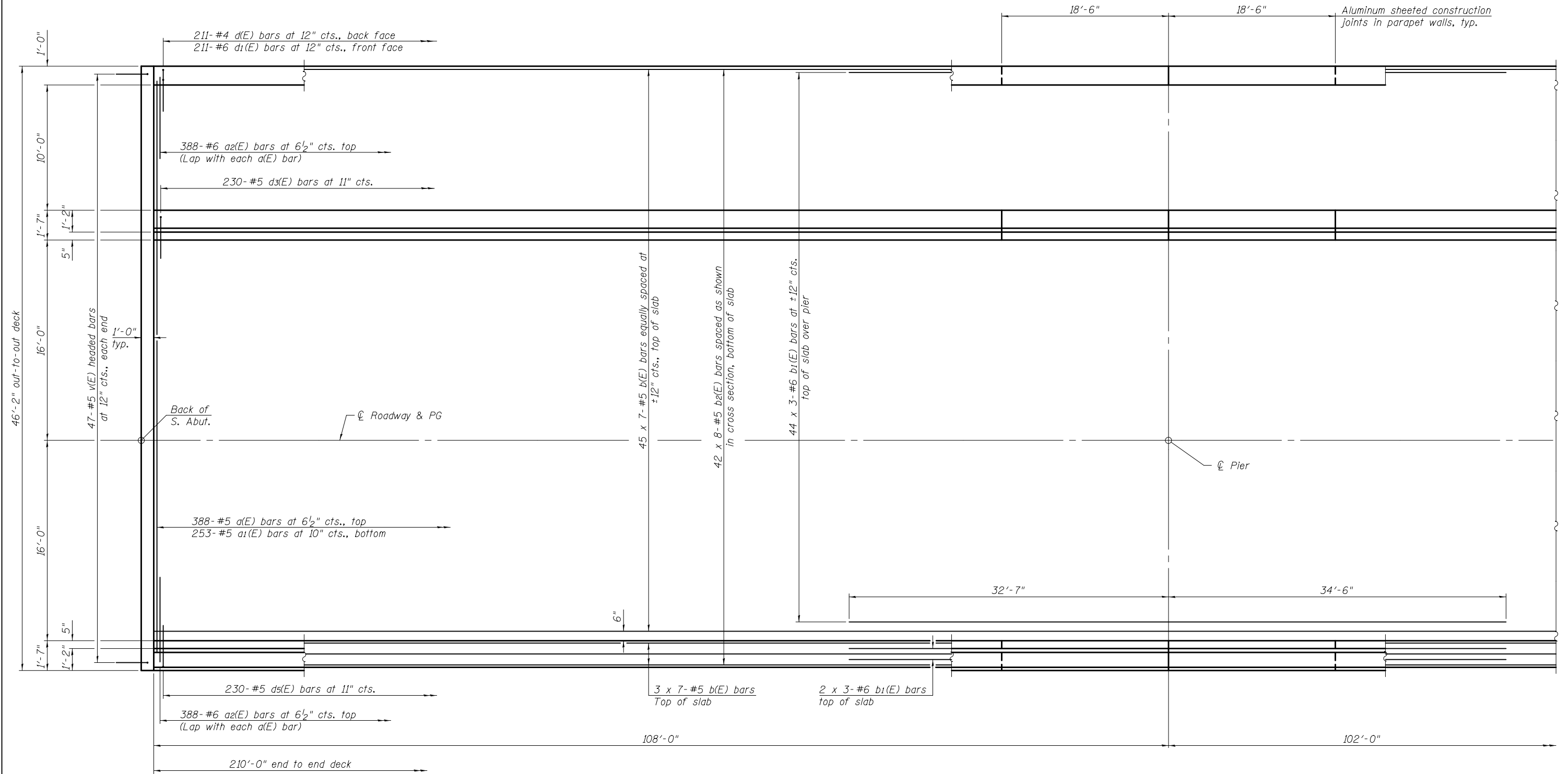
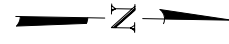
DESIGNED - NICHOLAS R. BARNETT	EXAMINED - <i>Jaime F. J. [Signature]</i>	DATE - AUGUST 6, 2020
CHECKED - PAUL GURKLYS/CORY KOLTVEIT	PASSED - <i>Carl [Signature]</i>	REVISIONS
DRAWN - MICHAEL B. MOSSMAN	ENGINEER OF BRIDGES AND STRUCTURES	REVISIONS
CHECKED - PG / CDK / GRA		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TOP OF NORTH APPROACH SLAB ELEVATIONS
STRUCTURE NO. 101 - 0188**

SHEET NO. 6 OF 34 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	4HBR	WINNEBAGO	148	71
CONTRACT NO. 64A08				
ILLINOIS FED. AID PROJECT				



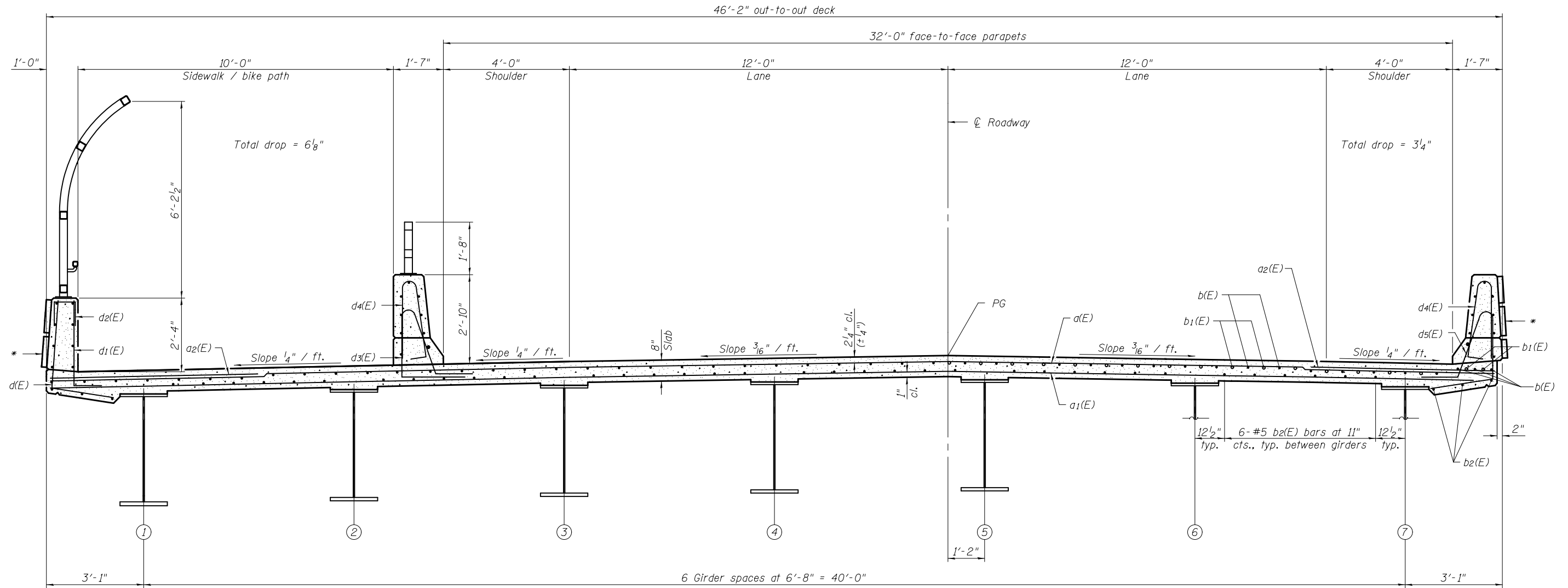
PARTIAL PLAN

MINIMUM BAR LAP
 #5 bar = 3'-6"
 #6 bar = 3'-7"

Notes:
 See Sheets 9-13 of 34 for superstructure details and Bill of Material.
 Bars indicated thus 45 x 7-#5 etc. indicates 45 lines of bars with 7 lengths per line.
 See Sheets 9-11 of 34 for parapet reinforcement.

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DESIGNED - NICHOLAS R. BARNETT	EXAMINED - <i>James F. J...</i>	DATE - AUGUST 6, 2020	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		SUPERSTRUCTURE STRUCTURE NO. 101 - 0188		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CHECKED - PAUL GURKLYS/CORY KOLTVEIT	PASSED - <i>Carl...</i>	REVISIONS					301	4HBR	WINNEBAGO	148	72
DRAWN - MICHAEL B. MOSSMAN	ENGINEER OF BRIDGES AND STRUCTURES	REVISIONS	SHEET NO. 7 OF 34 SHEETS		CONTRACT NO. 64A08		ILLINOIS FED. AID PROJECT				
CHECKED - PG / CDK / GRA											



NEAR MIDSPAN

NEAR PIER

CROSS SECTION
(Looking North)

* Form liner surface (1/2" max. relief).
See sheet 29 of 34 for details of form
liner textured surface.

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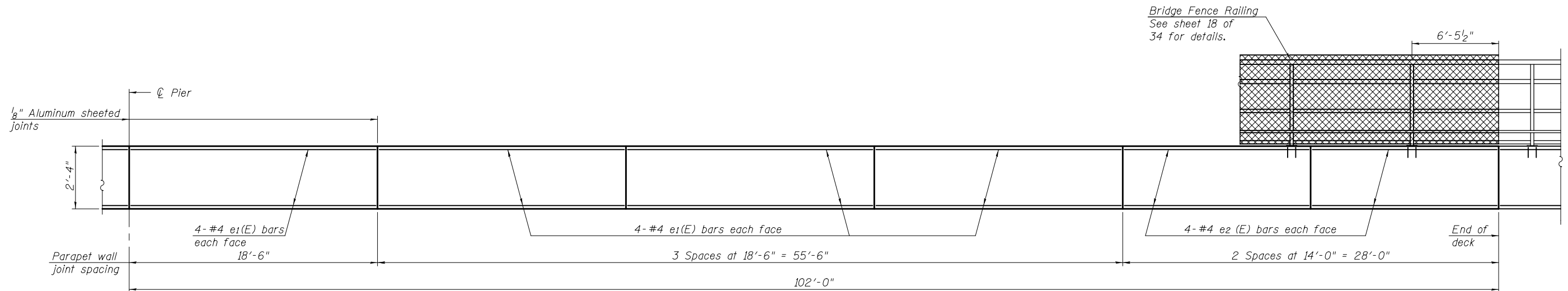
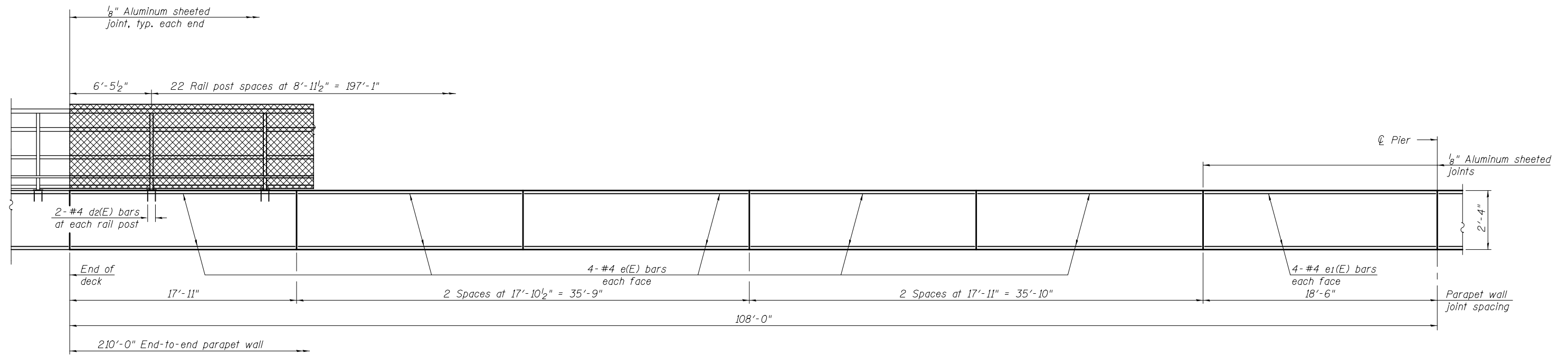
DESIGNED - NICHOLAS R. BARNETT	EXAMINED	DATE - AUGUST 6, 2020
CHECKED - PAUL GURKLYS/CORY KOLTVEIT	 ENGINEER OF BRIDGE DESIGN	REVISED
DRAWN - MICHAEL B. MOSSMAN		REVISED
CHECKED - PG / CDK / GRA	 ENGINEER OF BRIDGES AND STRUCTURES	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE
STRUCTURE NO. 101 - 0188

SHEET NO. 8 OF 34 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	4HBR	WINNEBAGO	148	73
CONTRACT NO. 64A08				
ILLINOIS FED. AID PROJECT				



INSIDE ELEVATION OF WEST SIDEWALK PARAPET WALL
(Looking west)

Note:
See sheet 12 of 34 for section thru multi-use path.

8/6/2020 4:18:19 PM

DESIGNED - NICHOLAS R. BARNETT	EXAMINED	DATE - AUGUST 6, 2020
CHECKED - PAUL GURKLYS/CORY KOLTVEIT	PASSED	REVISOR
DRAWN - MICHAEL B. MOSSMAN		REVISOR
CHECKED - PG / CDK / GRA	 ENGINEER OF BRIDGES AND STRUCTURES	

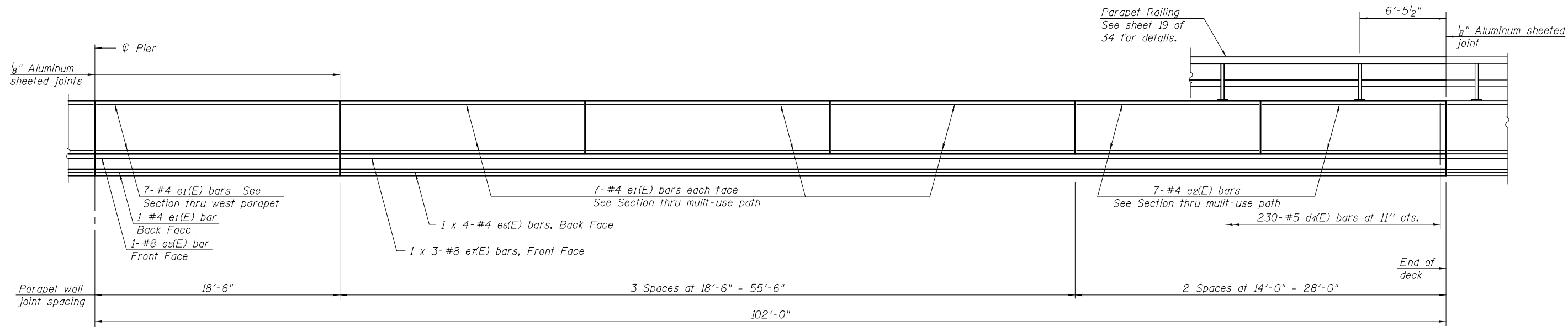
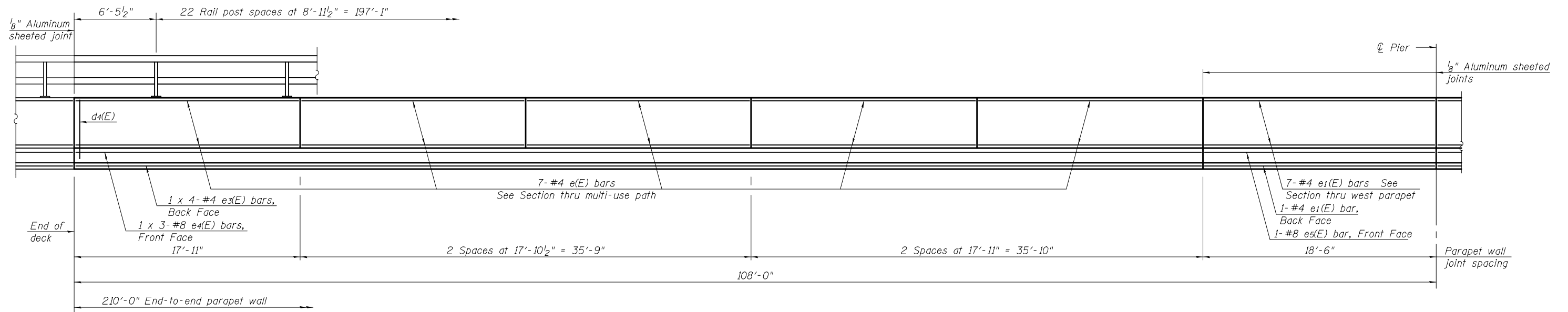
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SUPERSTRUCTURE DETAILS
STRUCTURE NO. 101 - 0188**

SHEET NO. 9 OF 34 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	4HBR	WINNEBAGO	148	74
CONTRACT NO. 64A08				

ILLINOIS FED. AID PROJECT



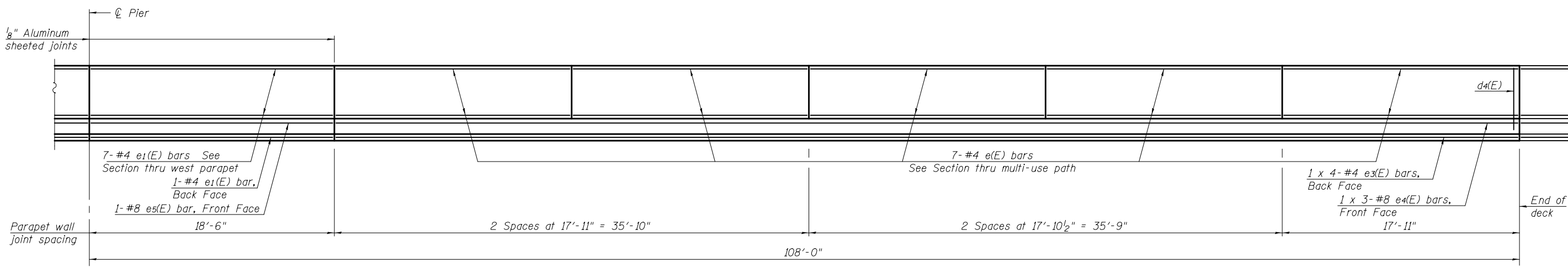
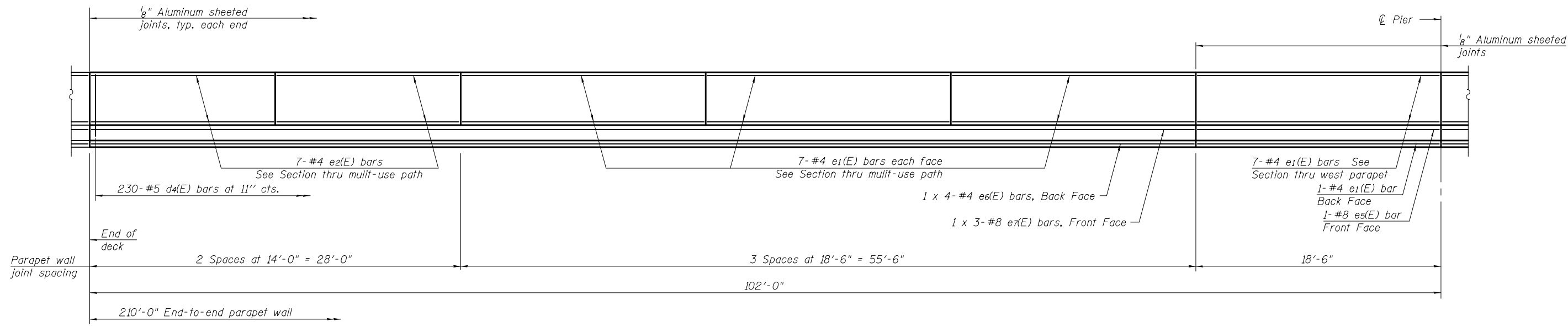
INSIDE ELEVATION OF WEST ROADWAY PARAPET
(Looking west)

Note:
See sheet 12 of 34 for section thru multi-use path.

MINIMUM BAR LAP
(Parapet)
#4 bar = 2'-8"
#8 bar = 5'-11"

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DESIGNED - NICHOLAS R. BARNETT	EXAMINED - <i>James F. J...</i>	DATE - AUGUST 6, 2020	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUPERSTRUCTURE DETAILS STRUCTURE NO. 101 - 0188	F.A.P. RTE. 301	SECTION 4HBR	COUNTY WINNEBAGO	TOTAL SHEETS 148	SHEET NO. 75	
CHECKED - PAUL GURKLYS/CORY KOLTVEIT	PASSED - <i>Carl...</i>	REVISOR			CONTRACT NO. 64A08					
DRAWN - MICHAEL B. MOSSMAN	ENGINEER OF BRIDGES AND STRUCTURES	REVISOR			ILLINOIS FED. AID PROJECT					
CHECKED - PG / CDK / GRA					SHEET NO. 10 OF 34 SHEETS					



INSIDE ELEVATION OF EAST ROADWAY PARAPET
(Looking east)

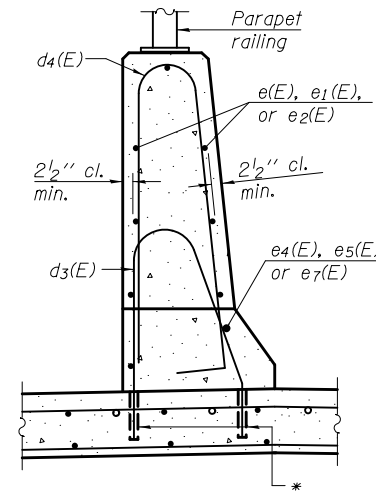
MINIMUM BAR LAP
(Parapet)
#4 bar = 2'-8"
#8 bar = 5'-11"

Notes:
See sheet 12 of 34 for section thru east parapet.

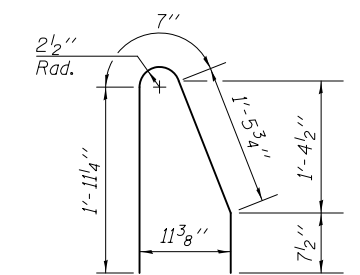
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DESIGNED - NICHOLAS R. BARNETT	EXAMINED - <i>Joanne F. J...</i>	DATE - AUGUST 6, 2020	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUPERSTRUCTURE DETAILS STRUCTURE NO. 101 - 0188	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
CHECKED - PAUL GURKLYS/CORY KOLTVEIT	PASSED - <i>Carl...</i>	REVIS			301	4HBR	WINNEBAGO	148	76	
DRAWN - MICHAEL B. MOSSMAN	ENGINEER OF BRIDGES AND STRUCTURES	REVIS			CONTRACT NO. 64A08					
CHECKED - PG / CDK / GRA					SHEET NO. 11 OF 34 SHEETS					

ILLINOIS FED. AID PROJECT

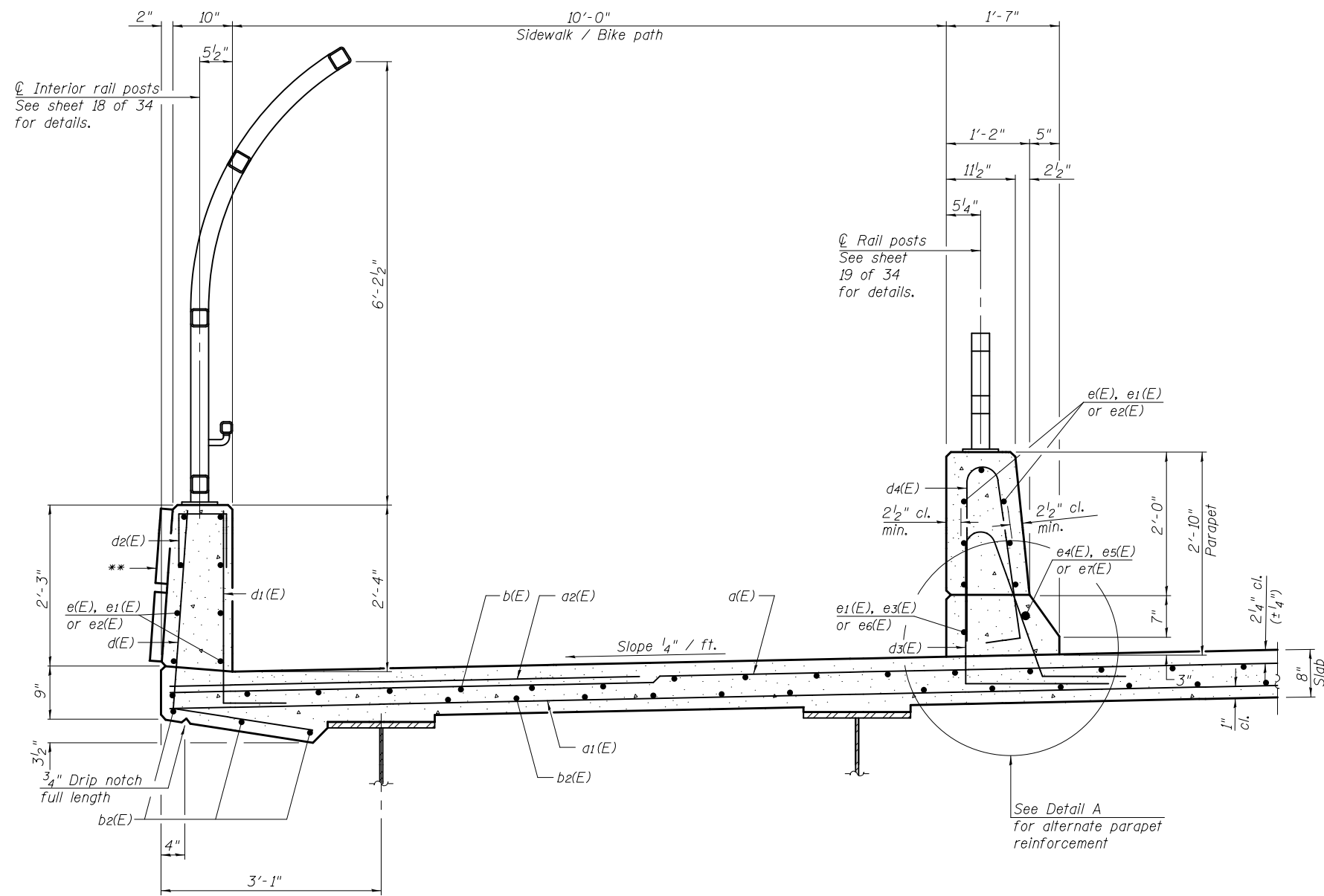


DETAIL A

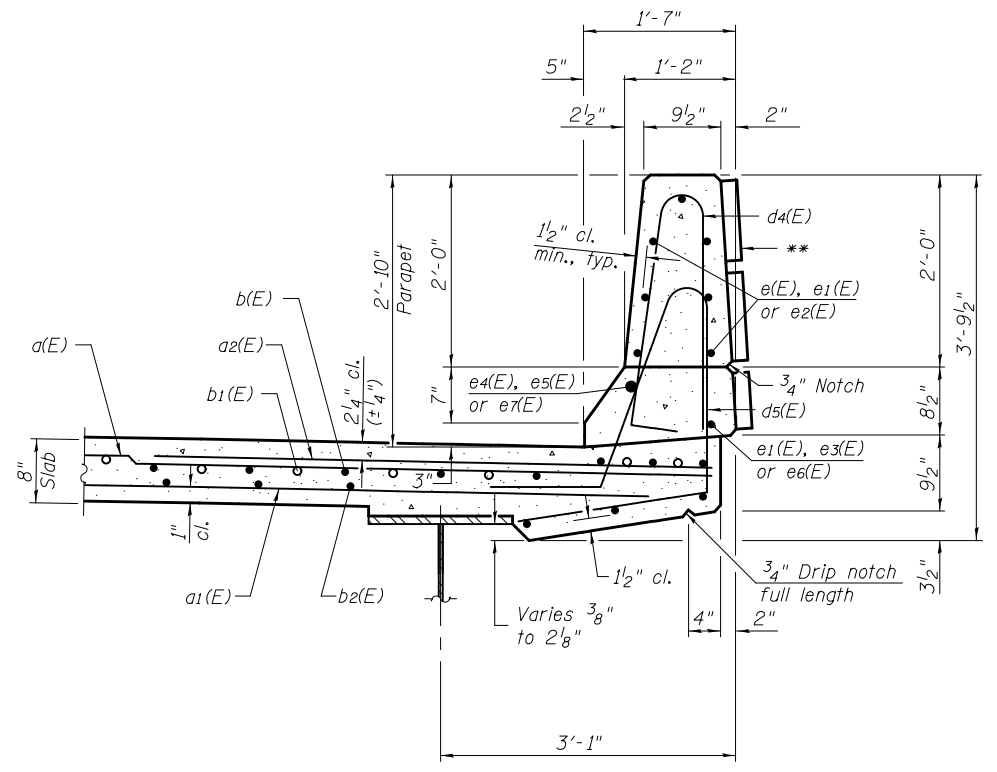


ALTERNATE BAR d3(E)

* Drill and set Alternate #5 d3(E) bar according to Article 509.06 of the Standard Specifications. Drilled holes shall be roughened or scored per manufacturer's recommendations. Maximum depth of hole shall not exceed 6".
 The Contractor shall take all necessary precautions to prevent drilled hole interference with deck reinforcement bars. Locate longitudinal bars to miss drilled locations. Locate drilled holes to miss transverse bars in deck.
 If alternate parapet reinforcement is chosen, cost of alternate d3(E) bars, drilling, and setting is included with the cost of Reinforcement Bars. Epoxy Coated.
 ** Form liner surface (1/2" max. relief). See sheet 29 of 34 for details of form liner textured surface.



**SECTION THRU MULTI-USE PATH
NEAR MIDSPAN**



**SECTION THRU
EAST PARAPET
NEAR PIER**

8/6/2020 4:18:20 PM

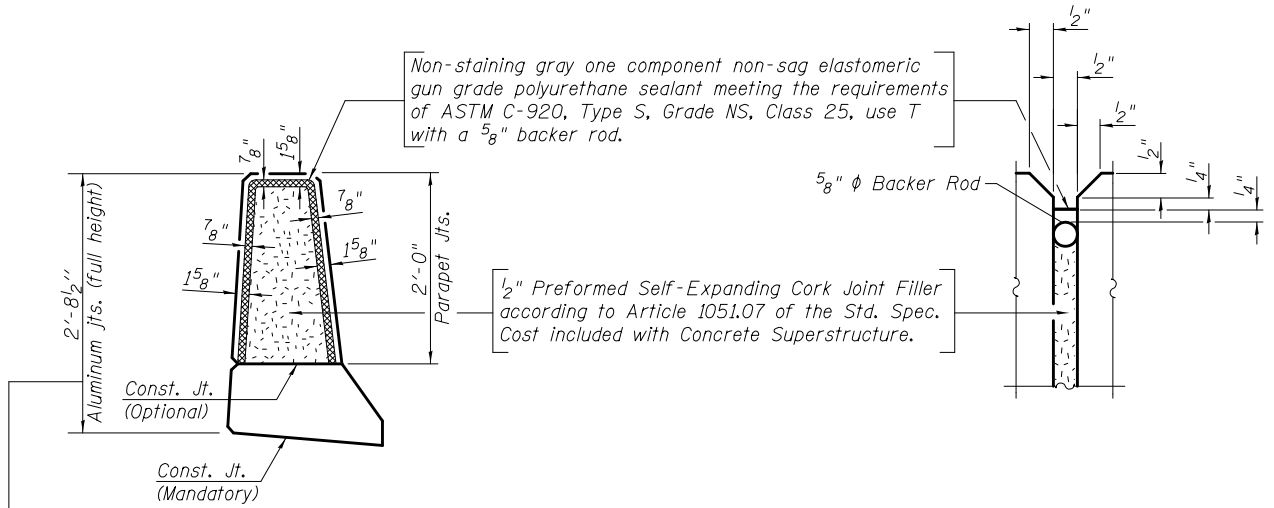
DESIGNED - NICHOLAS R. BARNETT	EXAMINED - <i>Jaime F. Joffe</i>	DATE - AUGUST 6, 2020
CHECKED - PAUL GURKLYS/CORY KOLTVEIT	PASSED - <i>Carl Rupp</i>	REVISOR
DRAWN - MICHAEL B. MOSSMAN	ENGINEER OF BRIDGES AND STRUCTURES	REVISOR
CHECKED - PG / CDK / GRA		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SUPERSTRUCTURE DETAILS
STRUCTURE NO. 101 - 0188**

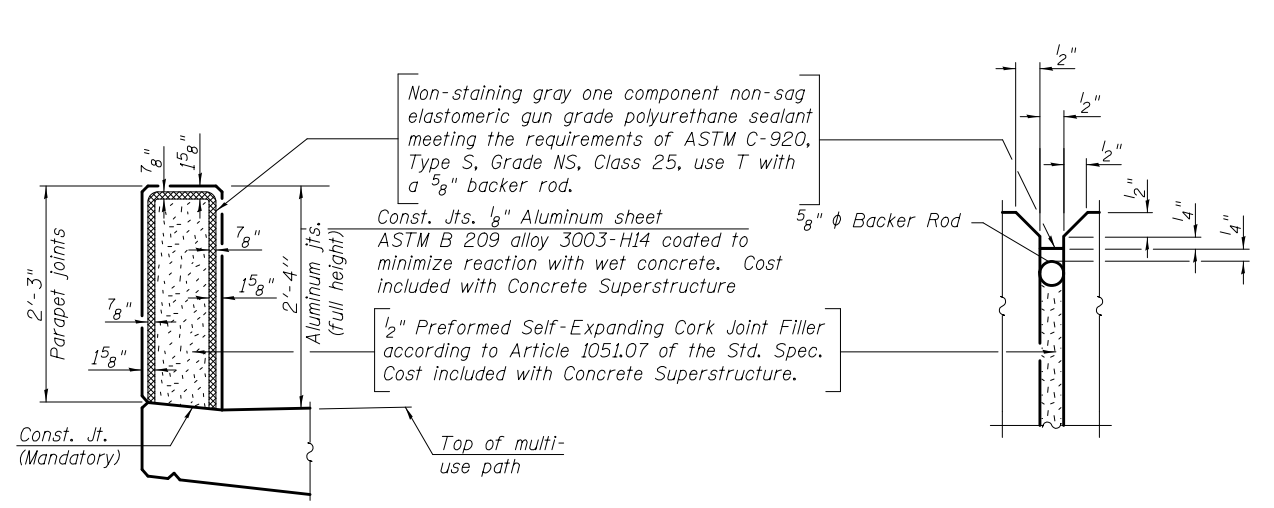
SHEET NO. 12 OF 34 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	4HBR	WINNEBAGO	148	77
CONTRACT NO. 64A08				
ILLINOIS FED. AID PROJECT				



PARAPET JOINT DETAILS

Const. Jts. 1/8" Aluminum sheet
ASTM B 209 alloy 3003-H14 coated to minimize reaction with wet concrete. Cost included with Concrete Superstructure

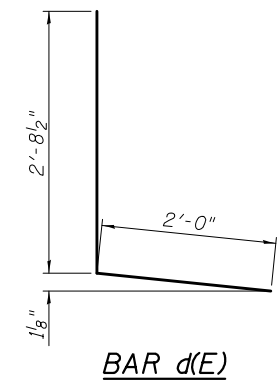


WEST MULTI-USE PATH PARAPET JOINT DETAILS

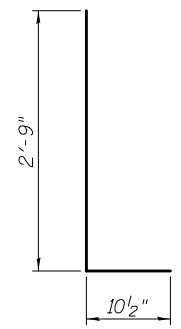
SUPERSTRUCTURE BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a(E)	388	#5	45'-9"	—
a ₁ (E)	253	#5	44'-0"	—
a ₂ (E)	776	#6	6'-6"	—
b(E)	336	#5	33'-0"	—
b ₁ (E)	138	#6	24'-9"	—
b ₂ (E)	336	#5	29'-4"	—
d(E)	211	#4	4'-9"	L
d ₁ (E)	211	#6	3'-8"	L
d ₂ (E)	46	#4	2'-0"	n
d ₃ (E)	230	#5	7'-8"	L
d ₄ (E)	460	#5	5'-7"	L
d ₅ (E)	230	#5	7'-6"	L
e(E)	110	#4	17'-7"	—
e ₁ (E)	114	#4	18'-3"	—
e ₂ (E)	44	#4	13'-9"	—
e ₃ (E)	8	#4	24'-5"	—
e ₄ (E)	6	#8	33'-10"	—
e ₅ (E)	4	#8	18'-3"	—
e ₆ (E)	8	#4	22'-11"	—
e ₇ (E)	6	#8	31'-10"	—
m(E)	8	#6	45'-10"	—
m ₁ (E)	48	#6	6'-3"	—
m ₂ (E)	16	#6	2'-8"	—
m ₃ (E)	56	#5	4'-0"	—
s(E)	84	#5	8'-5"	□
s ₁ (E)	84	#5	11'-0"	□
v(E)	94	#5	3'-1"	Γ
Reinforcement Bars, Epoxy Coated			Pound	80,770
Concrete Superstructure			Cu. Yds.	360.1

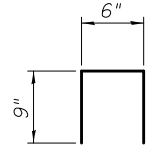
Bars indicated thus 1 x 2-#8 etc. indicates 1 line of bars with 2 lengths per line.



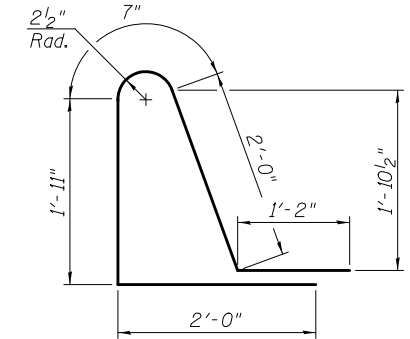
BAR d(E)



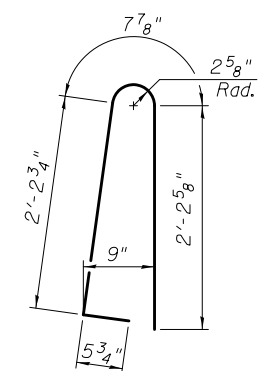
BAR d1(E)



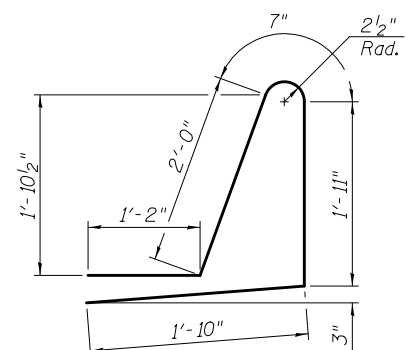
BAR d2(E)



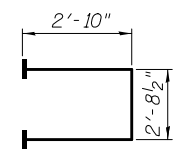
BAR d3(E)



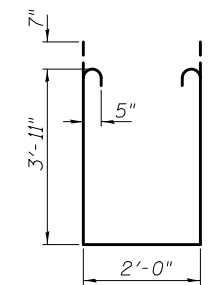
BAR d4(E)



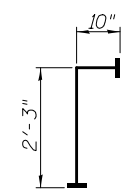
BAR d5(E)



BAR s(E)
(Headed)



BAR s1(E)



BAR v(E)
(Headed)

Note:
Headed bars shall conform to ASTM A970 with threaded attachment; Class HA; and reinforcement bars conforming to ASTM A706. Cost included with Reinforcement Bars. Epoxy Coated.

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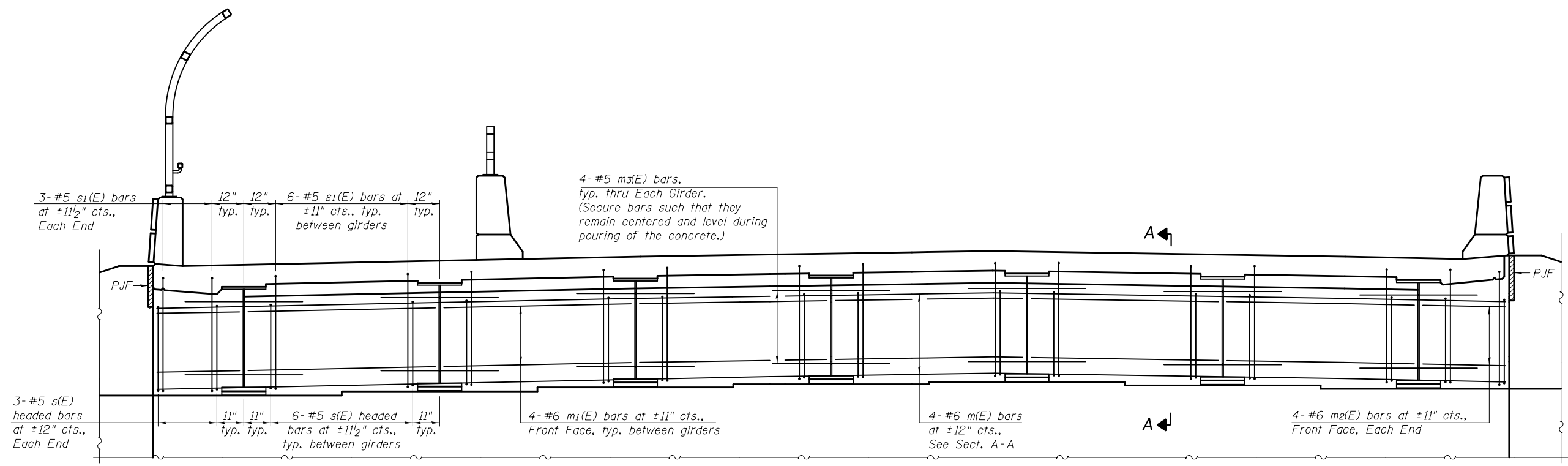
DESIGNED - NICHOLAS R. BARNETT	EXAMINED - <i>Jaime F. Joffe</i>	DATE - AUGUST 6, 2020
CHECKED - PAUL GURKLYS/CORY KOLTVEIT	PASSED - <i>Carl Rupp</i>	REVISD
DRAWN - MICHAEL B. MOSSMAN	ENGINEER OF BRIDGES AND STRUCTURES	REVISD
CHECKED - PG / CDK / GRA		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE DETAILS
STRUCTURE NO. 101 - 0188

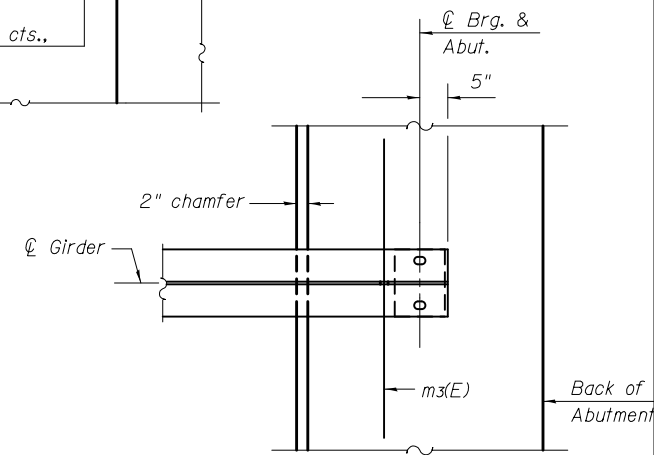
SHEET NO. 13 OF 34 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	4HBR	WINNEBAGO	148	78
CONTRACT NO. 64A08				
ILLINOIS FED. AID PROJECT				

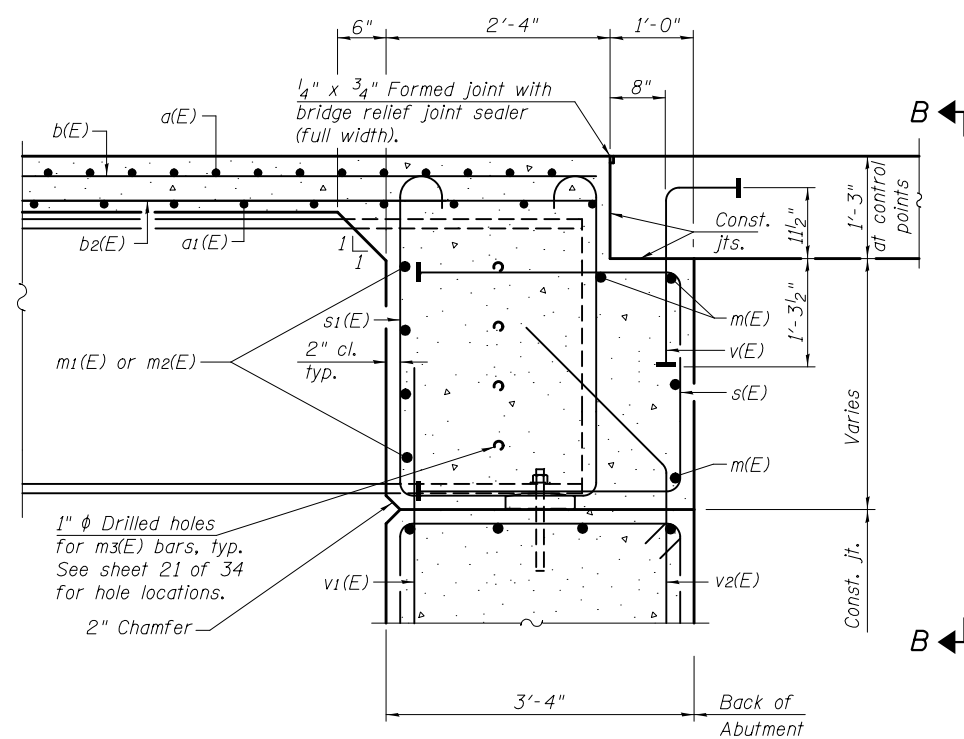


DIAPHRAGM ELEVATION AT ABUTMENT

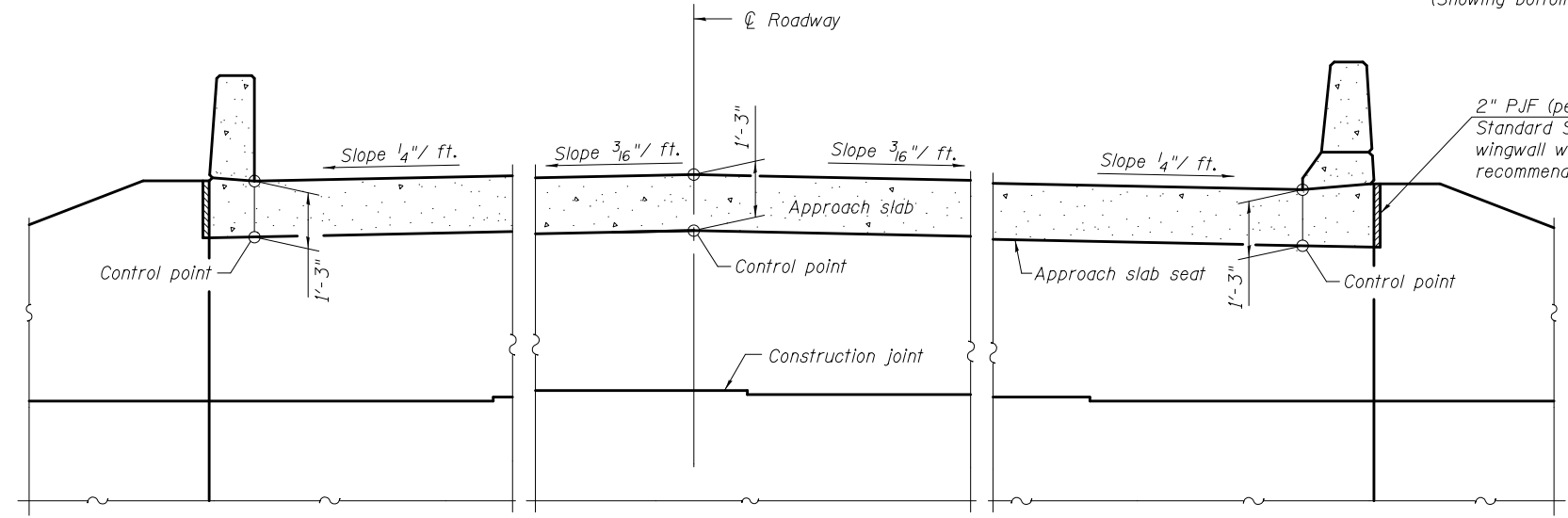
Notes:
 Reinforcement bars in diaphragm are billed with superstructure on sheet 13 of 34.
 Concrete in diaphragm is included with Concrete Superstructure on sheet 13 of 34.
 For details of bars s(E), s1(E) and v(E) see sheet 13 of 34.
 The approach slab seat shall have a constant slope determined from the control points shown.
 For bearing details see sheet 22 of 34.



PARTIAL PLAN AT ABUTMENT
 (Showing bottom flange of girder)



SECTION A-A



VIEW B-B

8/6/2020 4:18:21 PM

DESIGNED - NICHOLAS R. BARNETT	EXAMINED - <i>Joanne F. J...</i>	DATE - AUGUST 6, 2020
CHECKED - PAUL GURKLYS/CORY KOLTVEIT	PASSED - <i>Paul Gurklys</i>	REVISOR
DRAWN - MICHAEL B. MOSSMAN	ENGINEER OF BRIDGES AND STRUCTURES	REVISOR
CHECKED - PG / CDK / GRA		

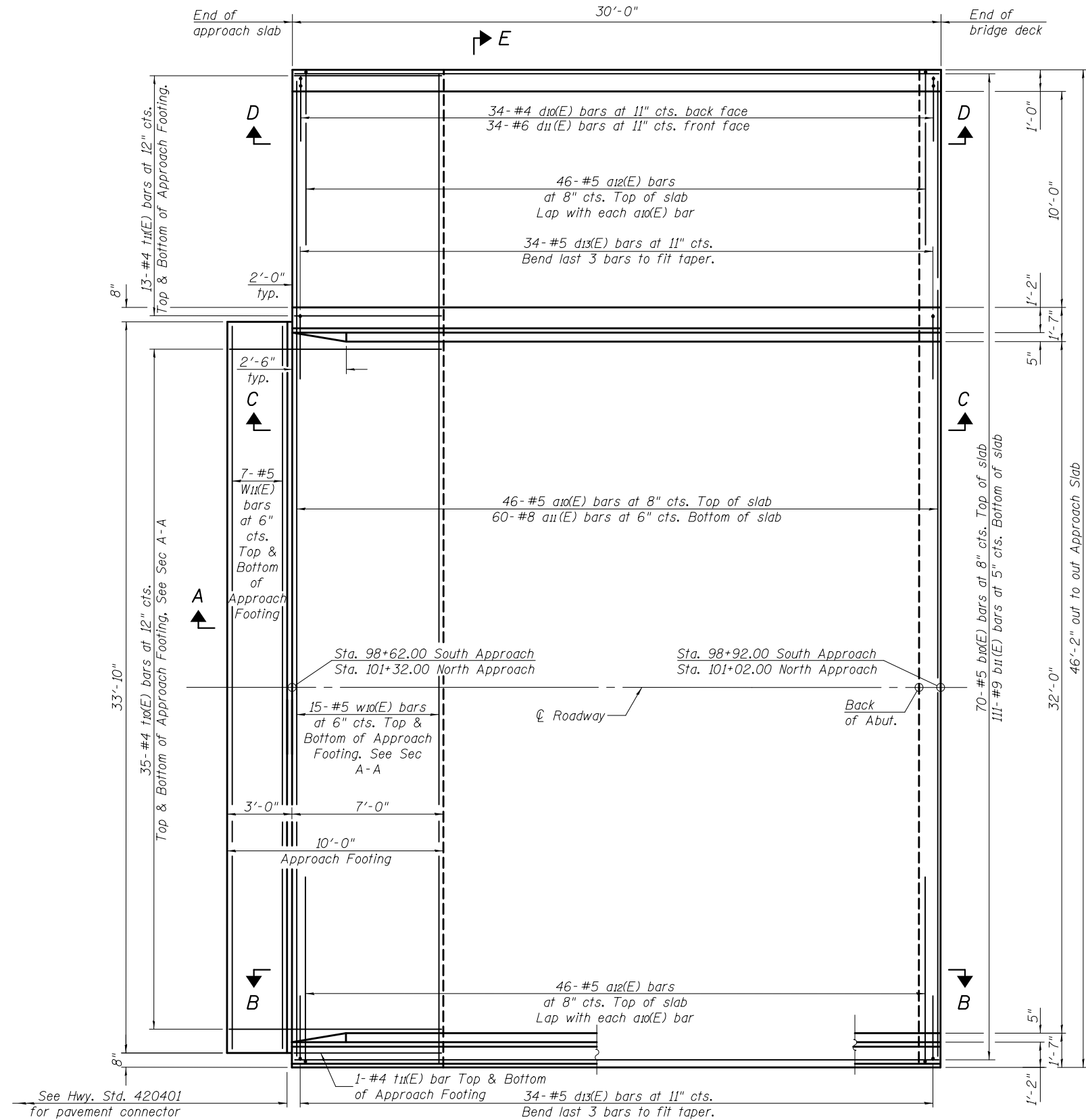
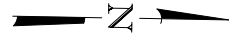
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**DIAPHRAGM DETAILS
 STRUCTURE NO. 101 - 0188**

SHEET NO. 14 OF 34 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	4HBR	WINNEBAGO	148	79
CONTRACT NO. 64A08				

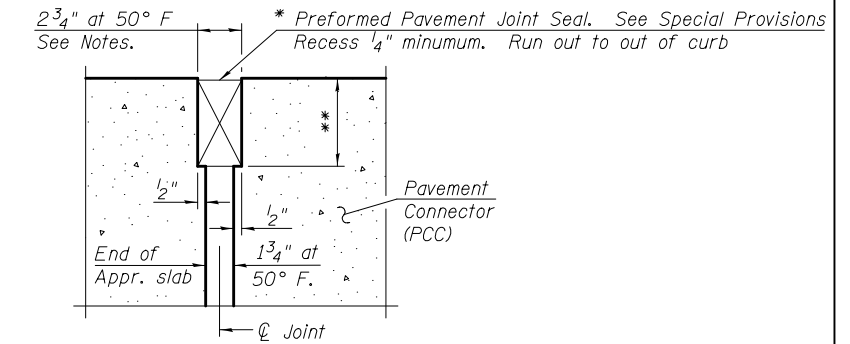
ILLINOIS FED. AID PROJECT



PLAN

South Approach shown; North Approach similar

Notes:
See sheet 16 of 34 for Sections A-A and E-E.
See sheet 17 of 34 for Views B-B, C-C and D-D.



DETAIL A

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

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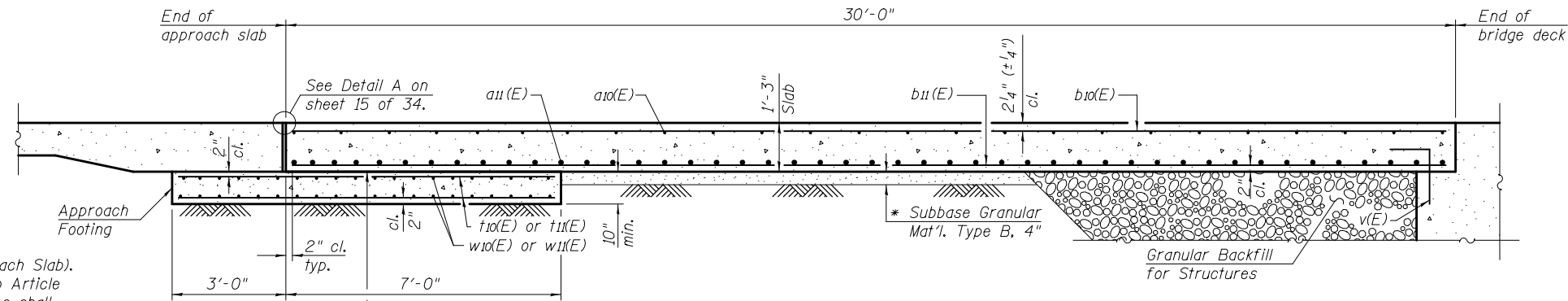
DESIGNED - NICHOLAS R. BARNETT	EXAMINED - <i>Joanne F. J...</i>	DATE - AUGUST 6, 2020
CHECKED - PAUL GURKLYS/CORY KOLTVEIT	PASSED - <i>Carl...</i>	REVISOR
DRAWN - MICHAEL B. MOSSMAN	ENGINEER OF BRIDGES AND STRUCTURES	REVISOR
CHECKED - PG / CDK / GRA		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

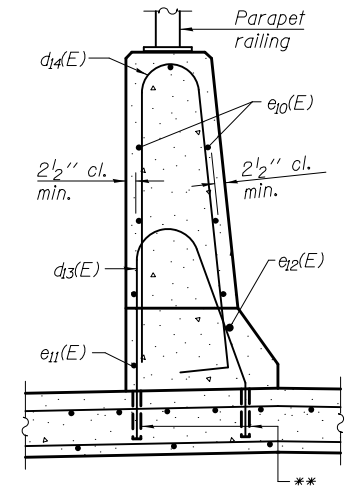
**BRIDGE APPROACH SLAB DETAILS
STRUCTURE NO. 101 - 0188**

SHEET NO. 15 OF 34 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	4HBR	WINNEBAGO	148	80
CONTRACT NO. 64A08				
ILLINOIS FED. AID PROJECT				



SECTION A-A



DETAIL A

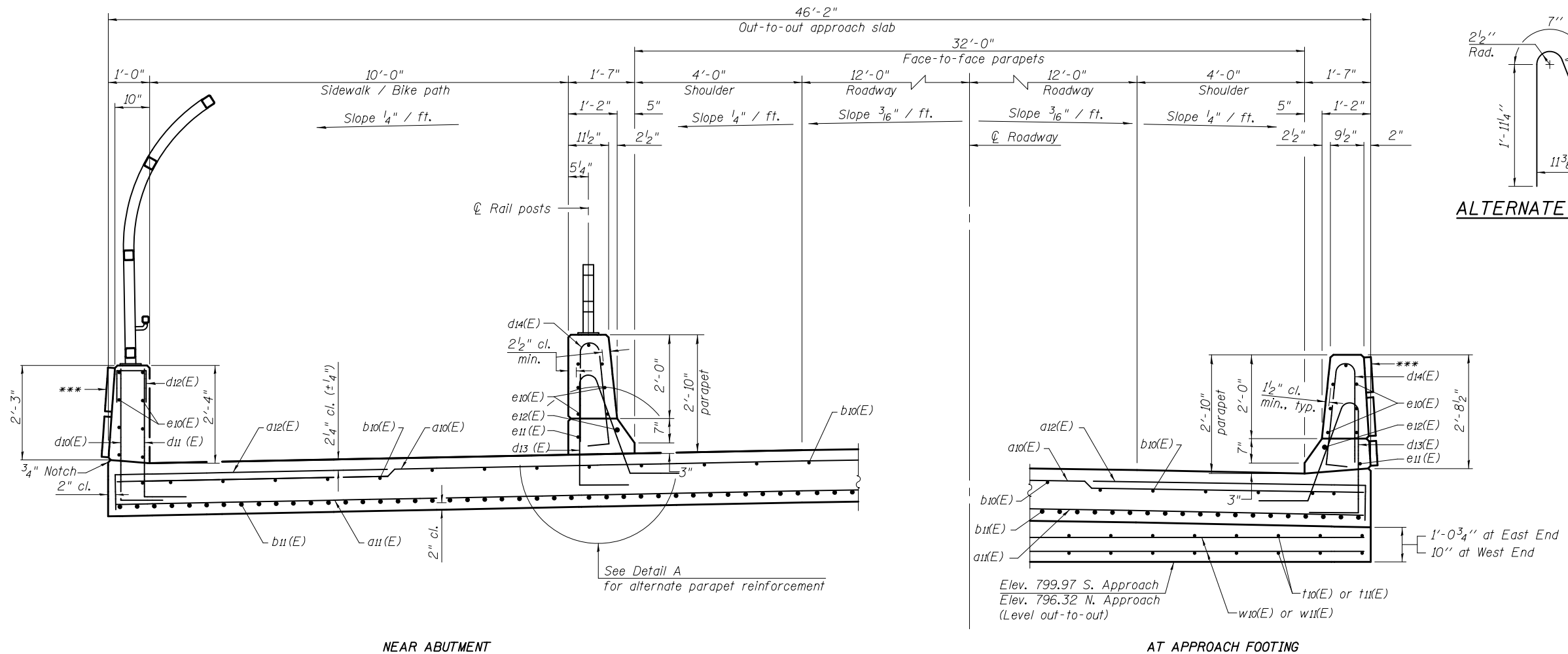
* Cost included with Concrete Superstructure (Approach Slab).
 ** Drill and set Alternate #5 d13(E) bar according to Article 509.06 of the Standard Specifications. Drilled holes shall be roughened or scored per manufacturer's recommendations. Maximum depth of hole shall not exceed 6".

The Contractor shall take all necessary precautions to prevent drilled hole interference with approach slab reinforcement bars. Locate longitudinal bars to miss drilled locations. Locate drilled holes to miss transverse bars in approach slab.

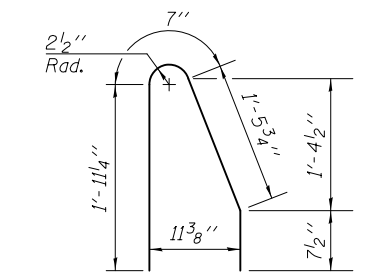
If alternate parapet reinforcement is chosen, cost of alternate d13(E) bars, drilling, and setting is included with the cost of Reinforcement Bars, Epoxy Coated.

*** Form liner surface (1" max. relief). See sheet 29 of 34 for details of form liner textured surface.

* 10 mil. Polyethylene bond breaker on steel trowel finish



SECTION E-E



ALTERNATE BAR d13(E)

(Sheet 2 of 3)

8/6/2020 4:18:21 PM

DESIGNED - NICHOLAS R. BARNETT	EXAMINED - <i>Joanne F. J...</i>	DATE - AUGUST 6, 2020	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BRIDGE APPROACH SLAB DETAILS STRUCTURE NO. 101 - 0188	F.A.P. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
CHECKED - PAUL GURKLYS/CORY KOLTVEIT	PASSED - <i>Carl...</i>	REVIS			301	4HBR	WINNEBAGO	148	81	
DRAWN - MICHAEL B. MOSSMAN		REVIS			CONTRACT NO. 64A08					
CHECKED - PG / CDK / GRA	ENGINEER OF BRIDGES AND STRUCTURES				SHEET NO. 16 OF 34 SHEETS					

ILLINOIS FED. AID PROJECT

Notes:

The joint opening shall be adjusted for temperature per Article 520.04 of the Standard Specifications. However, since this detail is for jointless structures, the length of bridge used to calculate the adjustment shall be equal to half the total bridge length plus the length of the bridge approach pavement.

Parapet concrete shall be paid for as Concrete Superstructure.

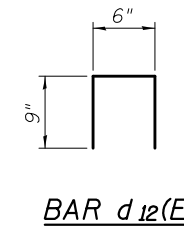
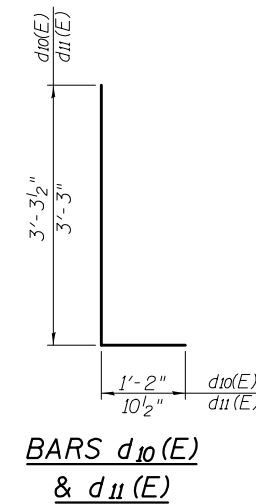
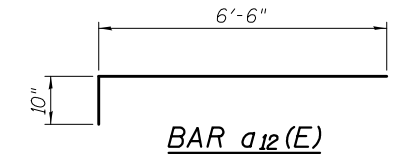
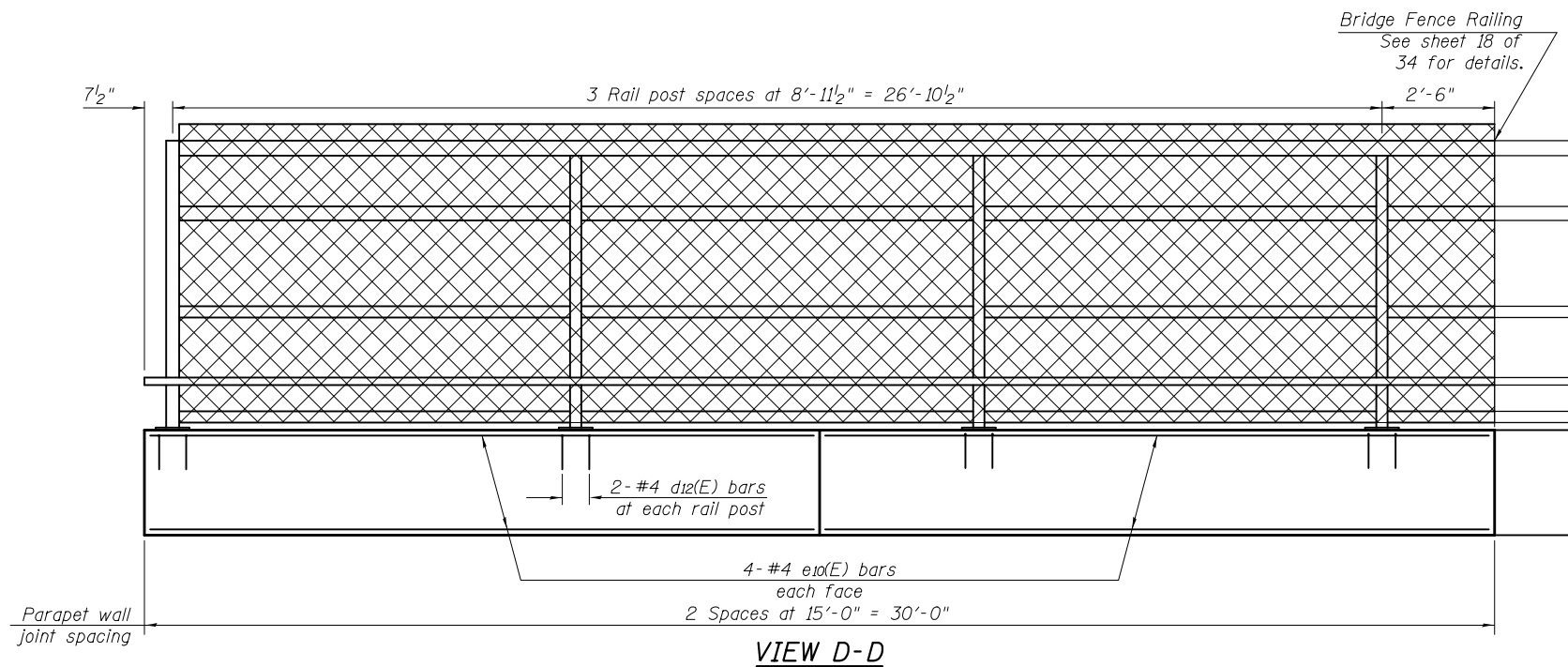
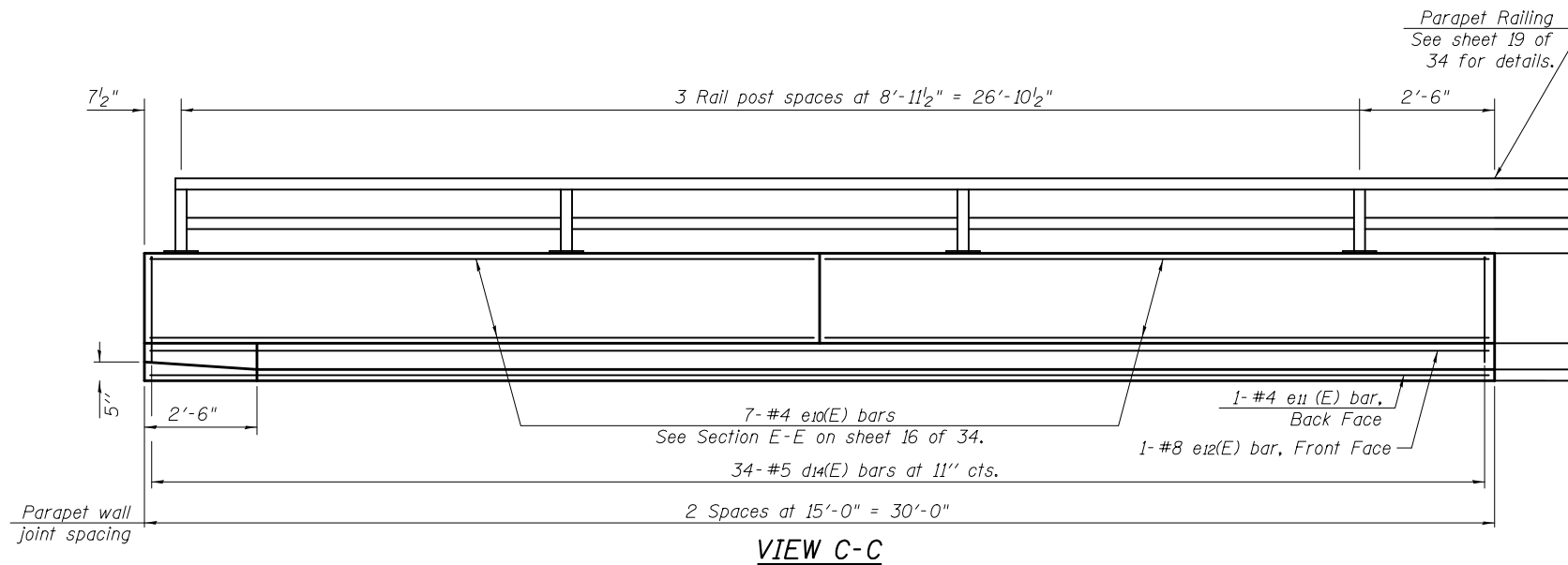
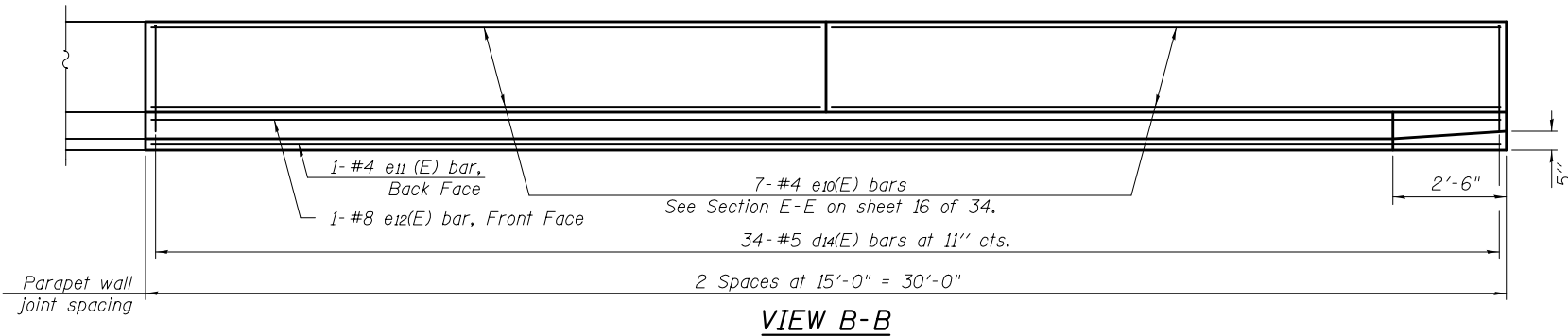
Approach slab shall be paid for as Concrete Superstructure (Approach Slab).

Approach footing concrete shall be paid for as Concrete Structures.

The approach footing maximum applied service bearing pressure (Q_{max}) = 2.0 ksf.

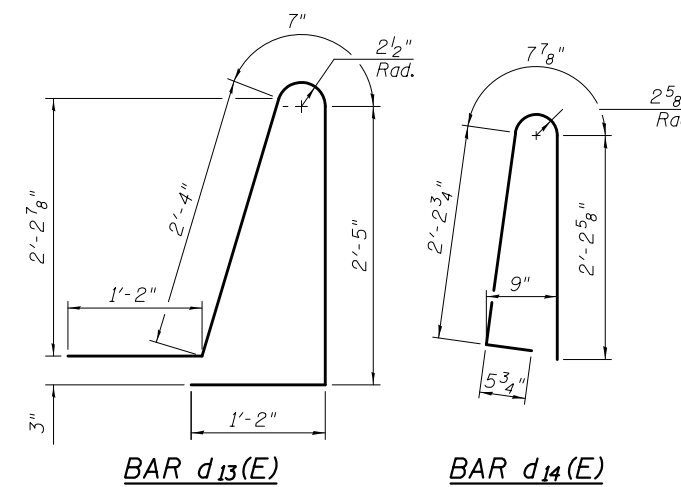
Cost of excavation for approach footing included with Concrete Structures.

For Granular Backfill for Structures and drainage treatment details, see sheet 2 of 34.



**TWO APPROACHES
BILL OF MATERIAL**

Bar	No.	Size	Length	Shape
a ₁₀ (E)	92	#5	45'-8"	—
a ₁₁ (E)	120	#8	45'-8"	—
a ₁₂ (E)	184	#5	7'-4"	—
b ₁₀ (E)	140	#5	29'-8"	—
b ₁₁ (E)	222	#9	29'-8"	—
d ₁₀ (E)	68	#4	4'-6"	L
d ₁₁ (E)	68	#6	4'-2"	L
d ₁₂ (E)	16	#4	2'-0"	n
d ₁₃ (E)	136	#5	7'-8"	Δ
d ₁₄ (E)	136	#5	5'-7"	Δ
e ₁₀ (E)	88	#4	14'-8"	—
e ₁₁ (E)	4	#4	29'-8"	—
e ₁₂ (E)	4	#8	29'-8"	—
f ₁₀ (E)	140	#4	9'-8"	—
f ₁₁ (E)	56	#4	6'-8"	—
w ₁₀ (E)	60	#5	45'-10"	—
w ₁₁ (E)	28	#5	33'-6"	—
Concrete Superstructure			Cu. Yd.	18.7
Concrete Superstructure (Approach Slab)			Cu. Yd.	128.6
Concrete Structures			Cu. Yd.	36.4
Reinforcement Bars, Epoxy Coated			Pound	55,930



(Sheet 3 of 3)

8/6/2020 4:18:22 PM

DESIGNED - NICHOLAS R. BARNETT	EXAMINED	DATE - AUGUST 6, 2020
CHECKED - PAUL GURKLYS/CORY KOLTVEIT	PASSED	
DRAWN - MICHAEL B. MOSSMAN		
CHECKED - PG / CDK / GRA		

Jaime F. J. [Signature]
ENGINEER OF BRIDGE DESIGN
[Signature]
ENGINEER OF BRIDGES AND STRUCTURES

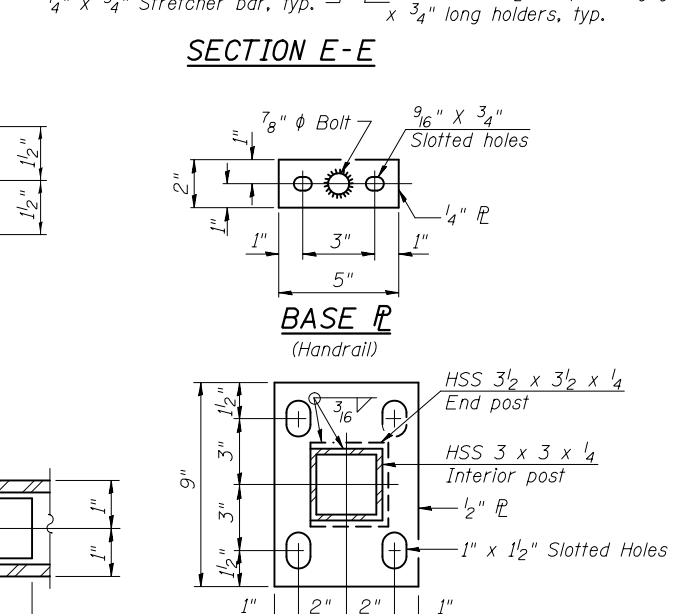
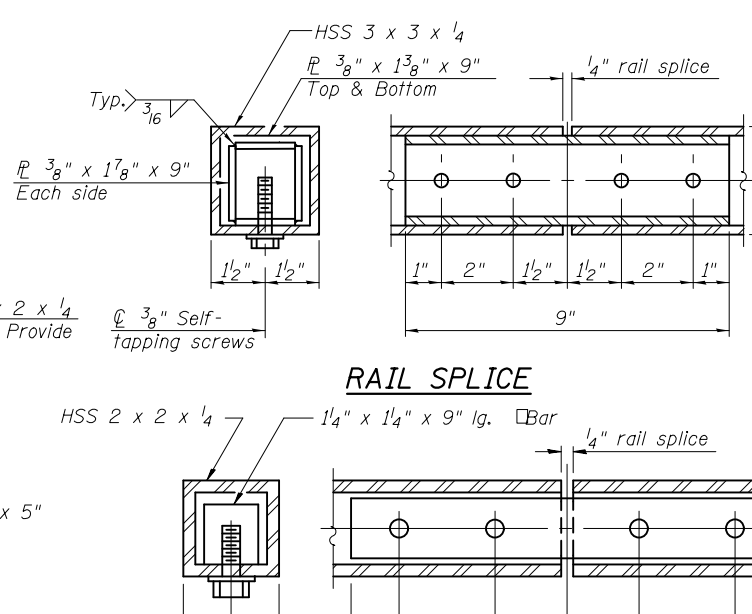
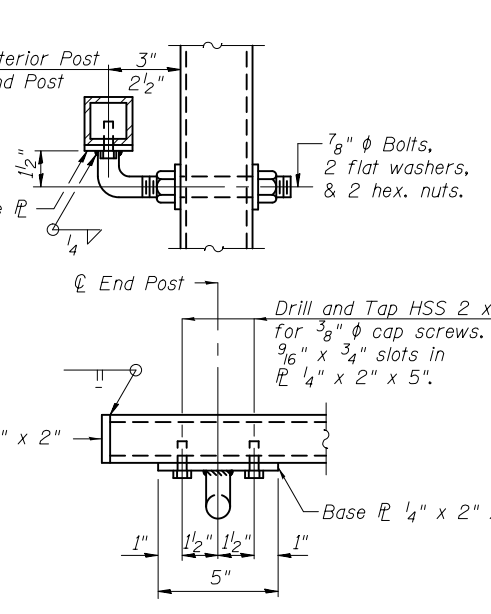
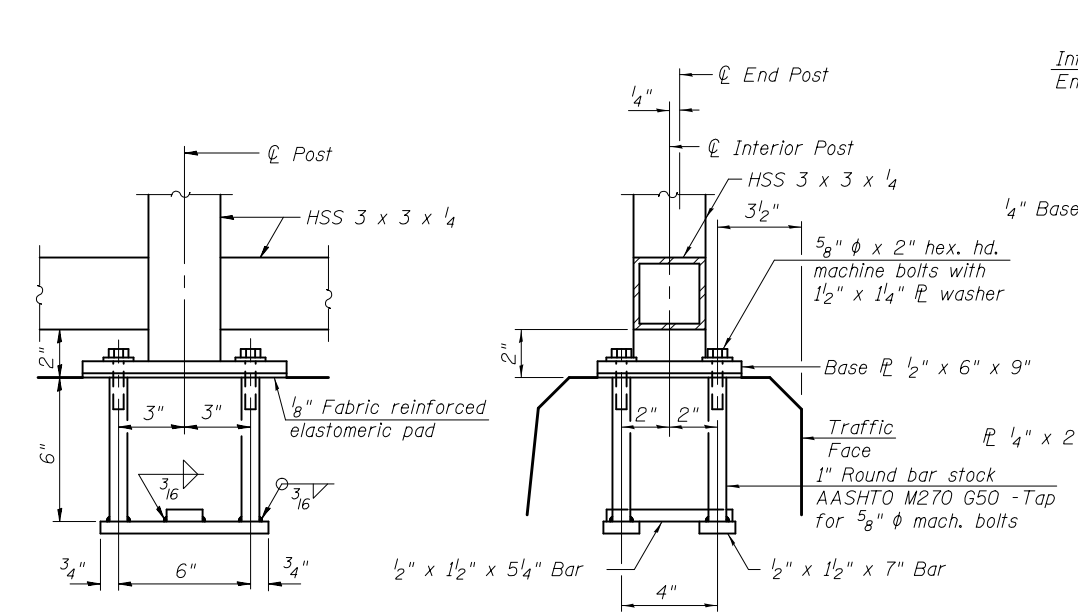
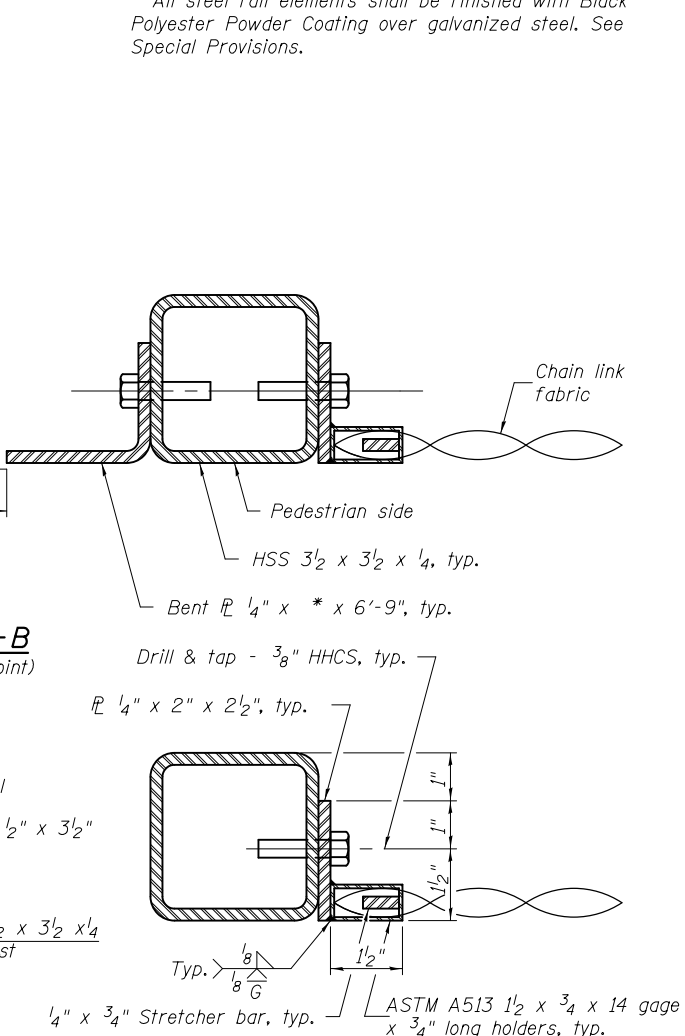
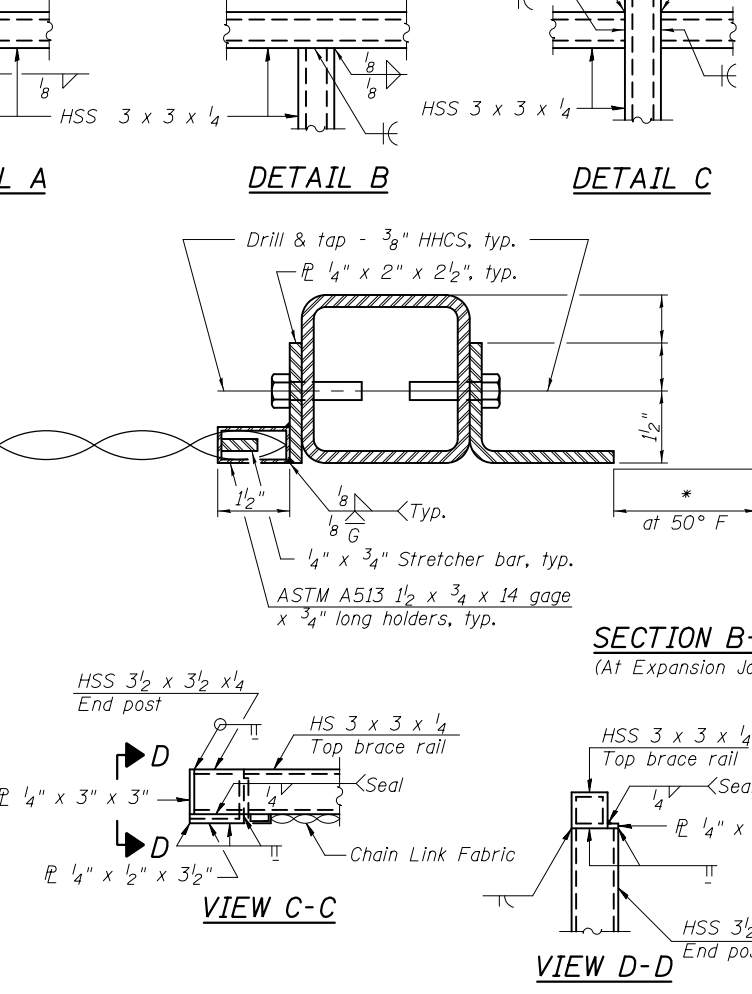
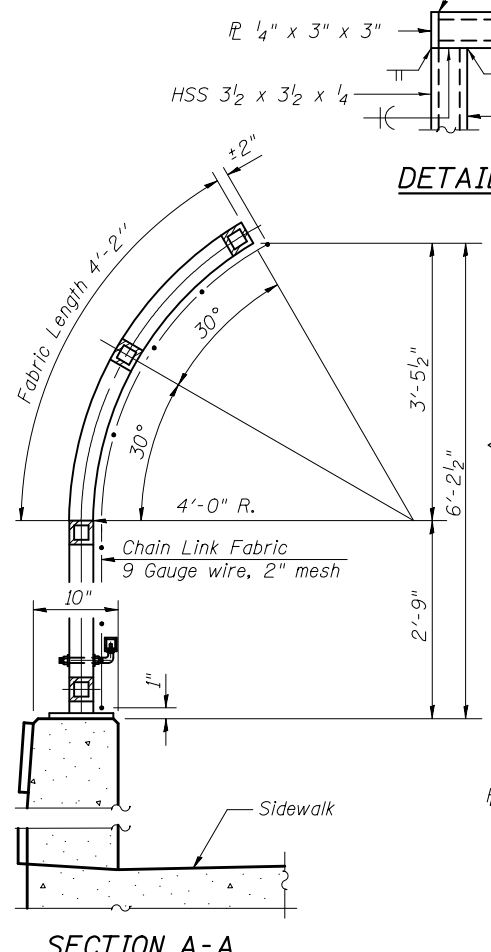
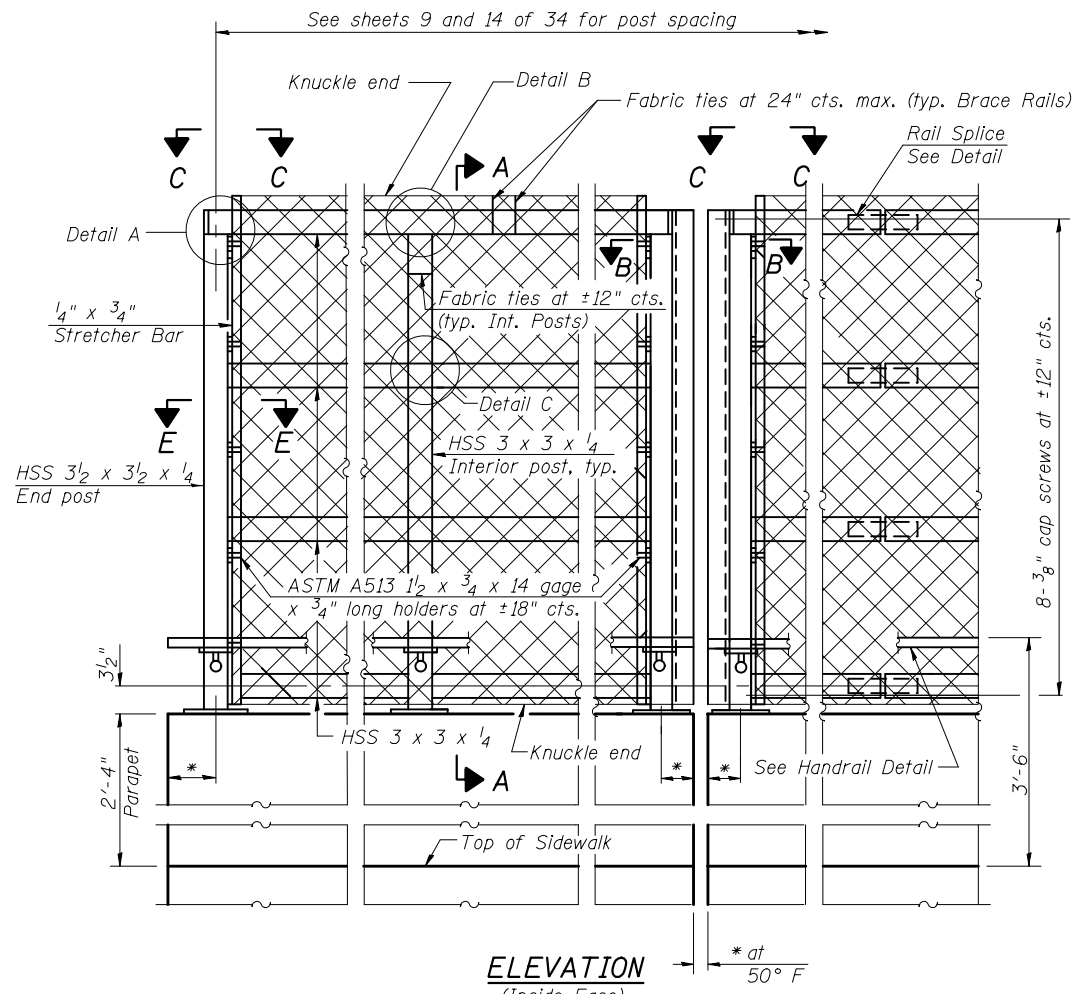
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRIDGE APPROACH SLAB DETAILS
STRUCTURE NO. 101 - 0188

SHEET NO. 17 OF 34 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	4HBR	WINNEBAGO	148	82
CONTRACT NO. 64A08				
ILLINOIS FED. AID PROJECT				

All steel rail elements shall be galvanized according to Article 509.05 of the Standard Specifications.
 All steel rail elements shall be finished with Black Polyester Powder Coating over galvanized steel. See Special Provisions.



ANCHOR BOLT DETAILS
 In lieu of the cast-in-place anchor device shown, the Contractor has the option of drilling and setting 5/8" anchor rods according to Article 509.06 of the Standard Specifications. Embedment shall be according to the manufacturer's specifications.

*Variable - See Plans
 (10'-0" Maximum Post Spacing)

BILL OF MATERIAL

Item	Unit	Quantity
Bridge Fence Railing	Foot	270

8/6/2020 4:18:22 PM

DESIGNED - NICHOLAS R. BARNETT
 CHECKED - PAUL GURKLYS/CORY KOLTVEIT
 DRAWN - MICHAEL B. MOSSMAN
 CHECKED - PG / CDK / GRA

EXAMINED
 PASSED
 ENGINEER OF BRIDGES AND STRUCTURES

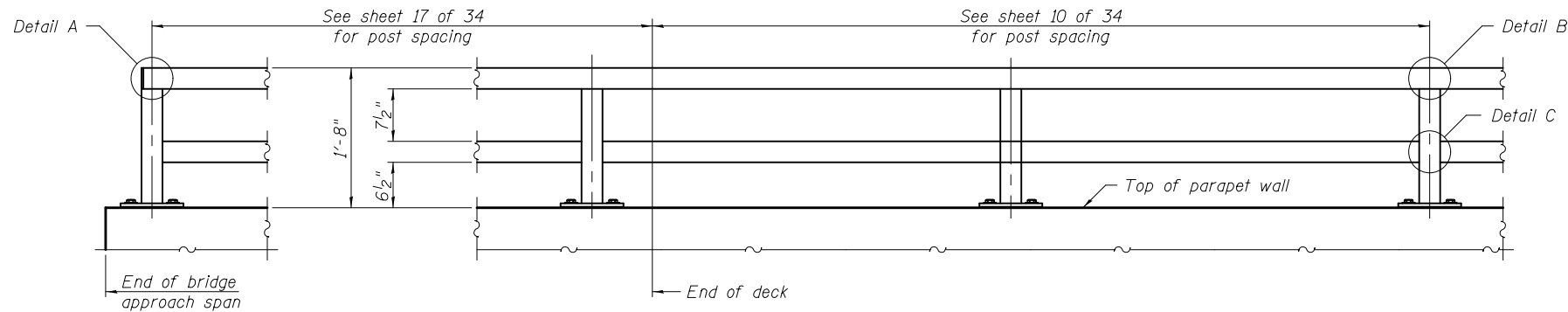
DATE - AUGUST 6, 2020
 REVISED
 REVISED

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

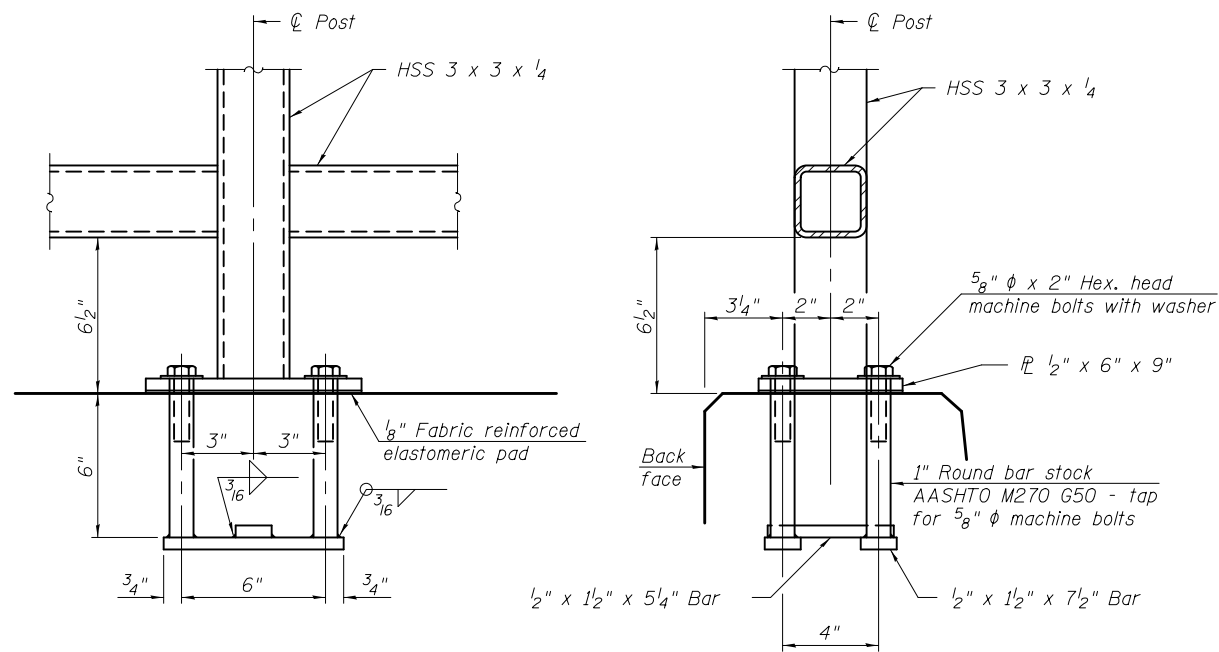
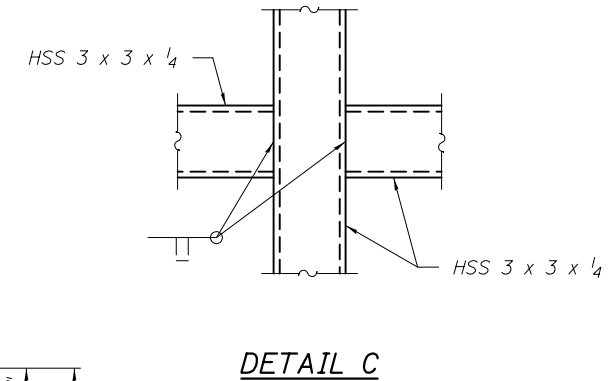
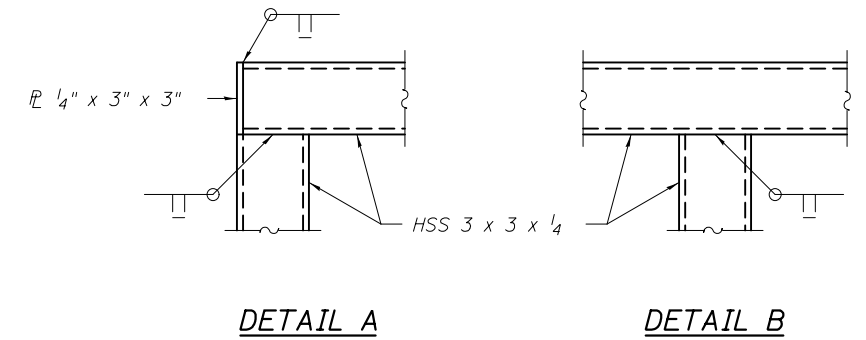
**BRIDGE FENCE RAILING, PARAPET MOUNTED
 STRUCTURE NO. 101 - 0188**

SHEET NO. 18 OF 34 SHEETS

F.A.P. R.T.E. SECTION COUNTY TOTAL SHEETS SHEET NO.
 301 4HBR WINNEBAGO 148 83
 CONTRACT NO. 64A08
 ILLINOIS FED. AID PROJECT

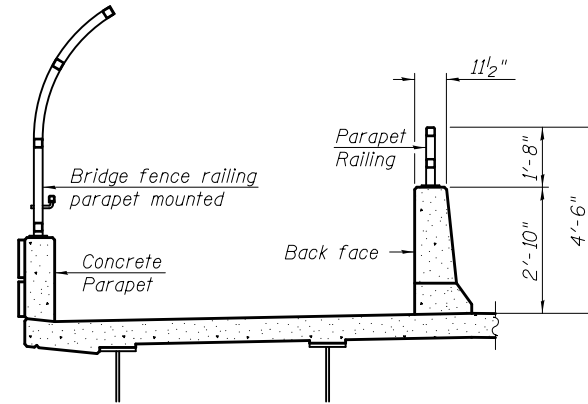


PARAPET RAILING ELEVATION
(Inside face of two element rail)



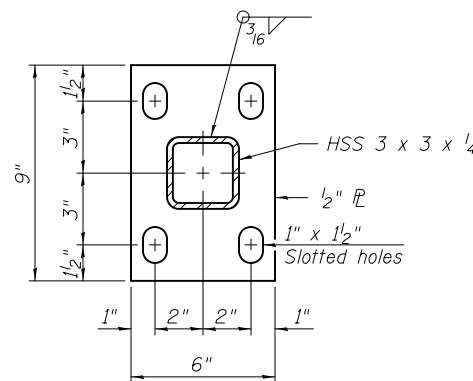
ANCHOR BOLT DETAILS

In lieu of the cast-in-place anchor device shown, the Contractor has the option of drilling and setting 5/8" diameter anchor rods according to Article 509.06 of the Standard Specifications. Embedment shall be according to the manufacturer's specifications.

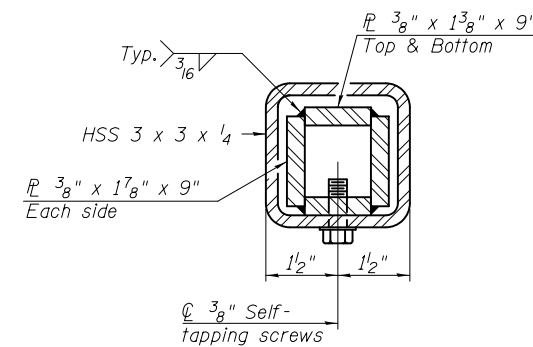


SECTION THRU DECK

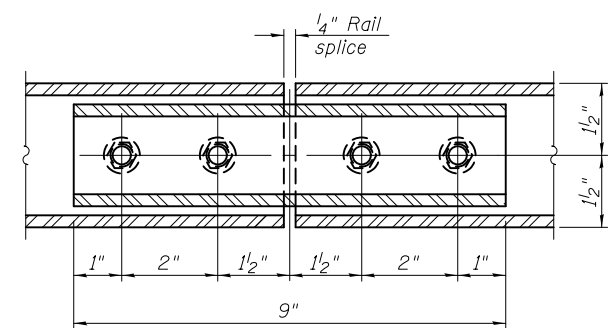
Note:
All steel rail elements shall be galvanized according to Article 509.05 of the Standard Specifications.
All structural steel tubing, posts and railing for parapet railing shall be CVN tested according to Article 1006.34(b) of the Standard Specifications.
All steel rail elements shall be finished with Black Polyester Powder Coating over galvanized steel. See Special Provisions.



BASE PL



RAIL SPLICE



BILL OF MATERIAL

Item	Unit	Quantity
Parapet Railing	Foot	269

8/6/2020 4:18:22 PM

DESIGNED - NICHOLAS R. BARNETT
CHECKED - PAUL GURKLYS/CORY KOLTVEIT
DRAWN - MICHAEL B. MOSSMAN
CHECKED - PG / CDK / GRA

EXAMINED
PASSED
ENGINEER OF BRIDGES AND STRUCTURES

DATE - AUGUST 6, 2020
REVISED
REVISED

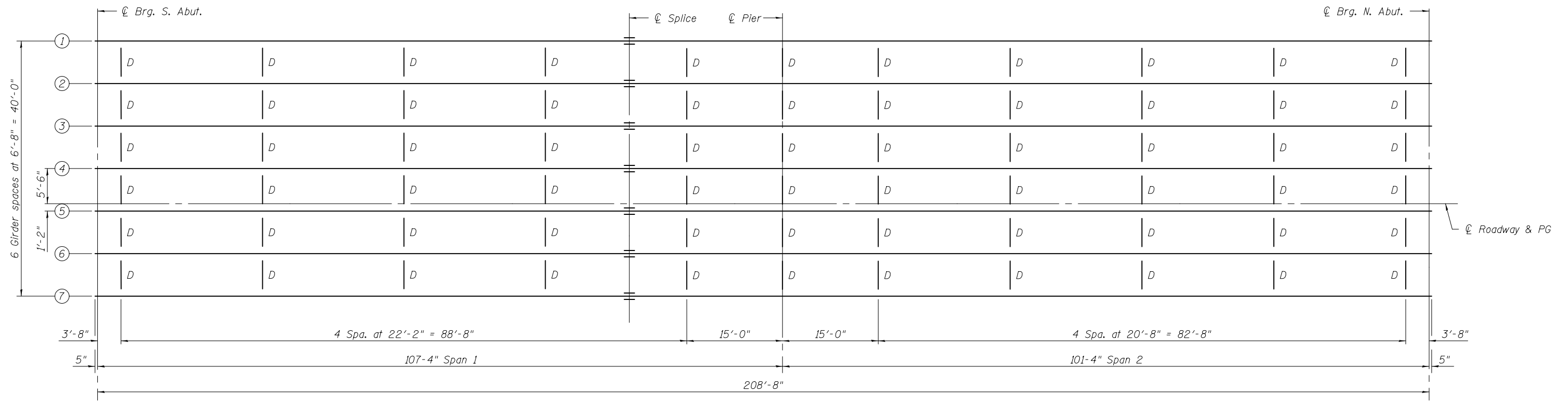
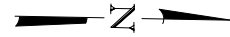
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PARAPET RAILING
STRUCTURE NO. 101 - 0188

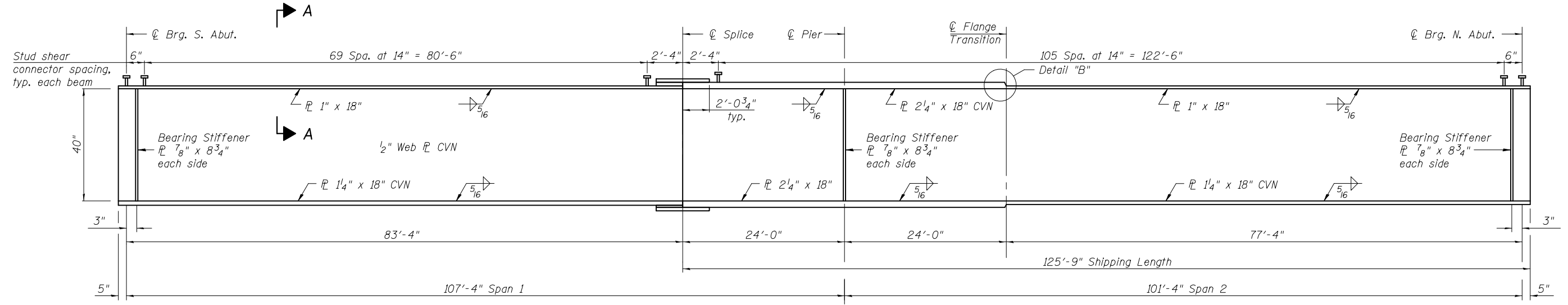
SHEET NO. 19 OF 34 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	4HBR	WINNEBAGO	148	84
CONTRACT NO. 64A08				

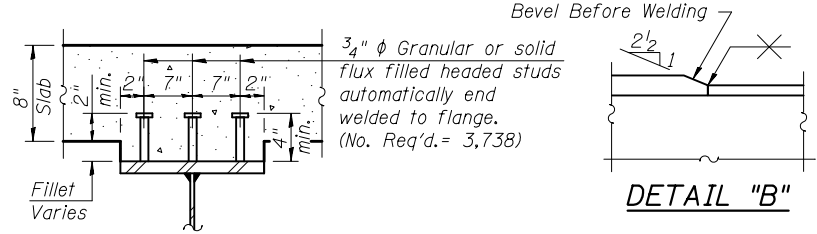
ILLINOIS FED. AID PROJECT



PLAN



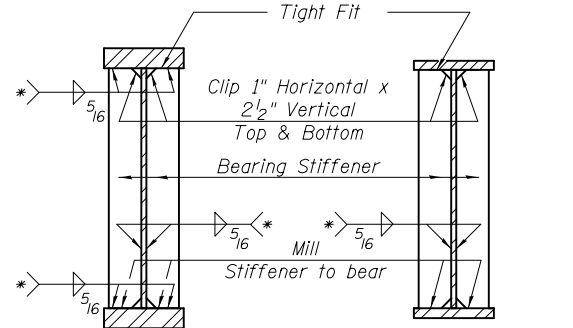
GIRDER ELEVATION



SECTION A-A

DETAIL "B"

Notes:
 All diaphragms shall be installed as steel is erected and secured with erection pins and bolts except as otherwise noted. Individual diaphragms at supports may be temporarily disconnected to install bearing anchor rods.
 "CVN" denotes Charpy-V-Notch impact energy requirements, zone 2.
 All girder plates including bearing stiffeners shall be AASHTO M270, Gr. 50.

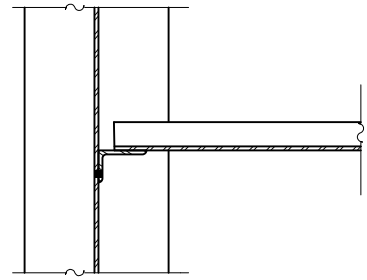


SECTION AT PIER

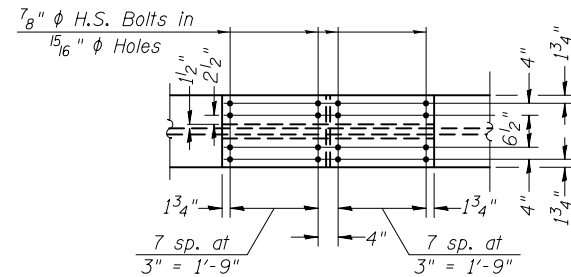
SECTION AT ABUTMENT

4:18:22 PM
8/6/2020

DESIGNED - NICHOLAS R. BARNETT	EXAMINED - <i>James F. J...</i>	DATE - AUGUST 6, 2020	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STRUCTURAL STEEL STRUCTURE NO. 101 - 0188	F.A.P. RTE. 301	SECTION 4HBR	COUNTY WINNEBAGO	TOTAL SHEETS 148	SHEET NO. 85	
CHECKED - PAUL GURKLYS/CORY KOLTVEIT	PASSED - <i>Carl...</i>	REVISOR			CONTRACT NO. 64A08					
DRAWN - MICHAEL B. MOSSMAN	ENGINEER OF BRIDGES AND STRUCTURES	REVISOR			SHEET NO. 20 OF 34 SHEETS					
CHECKED - PG / CDK / GRA					ILLINOIS FED. AID PROJECT					

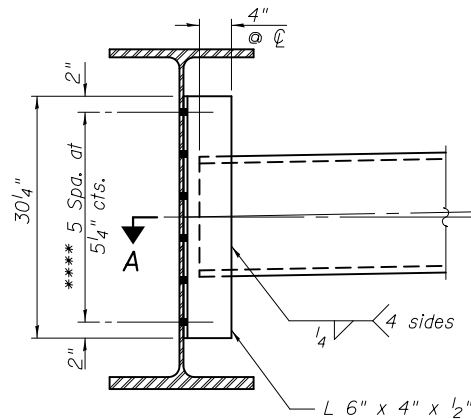


SECTION A-A



FLANGE SPLICE DETAIL

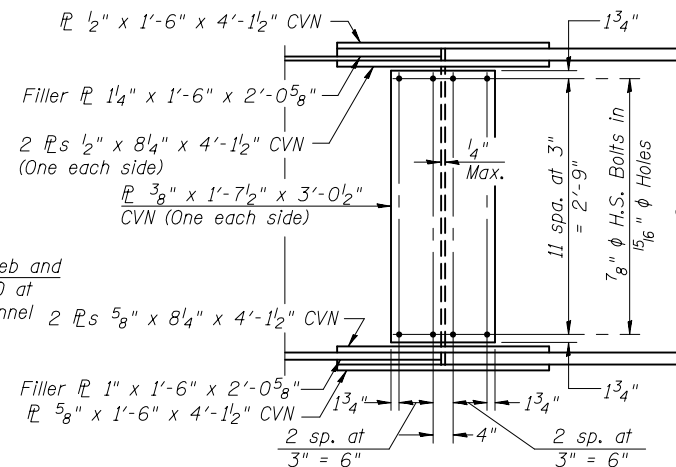
Top and Bottom Flange



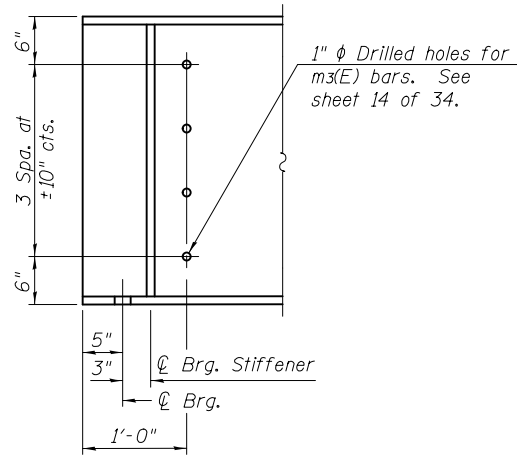
INTERIOR DIAPHRAGM

Note:

Two hardened washers required for each set of oversized holes.
 *** Alternate channel C15 x 50 is permitted to facilitate material acquisition. Calculated weight of structural steel is based on the lighter section. The alternate, if utilized, shall be provided at no additional cost to the Department.
 **** 3/4" φ HS bolts, 1 5/16" φ holes
 "CVN" denotes Charpy-V-Notch Impact energy requirements, zone 2.
 All splice plates, except filler plates, shall be AASHTO M270, Gr. 50.

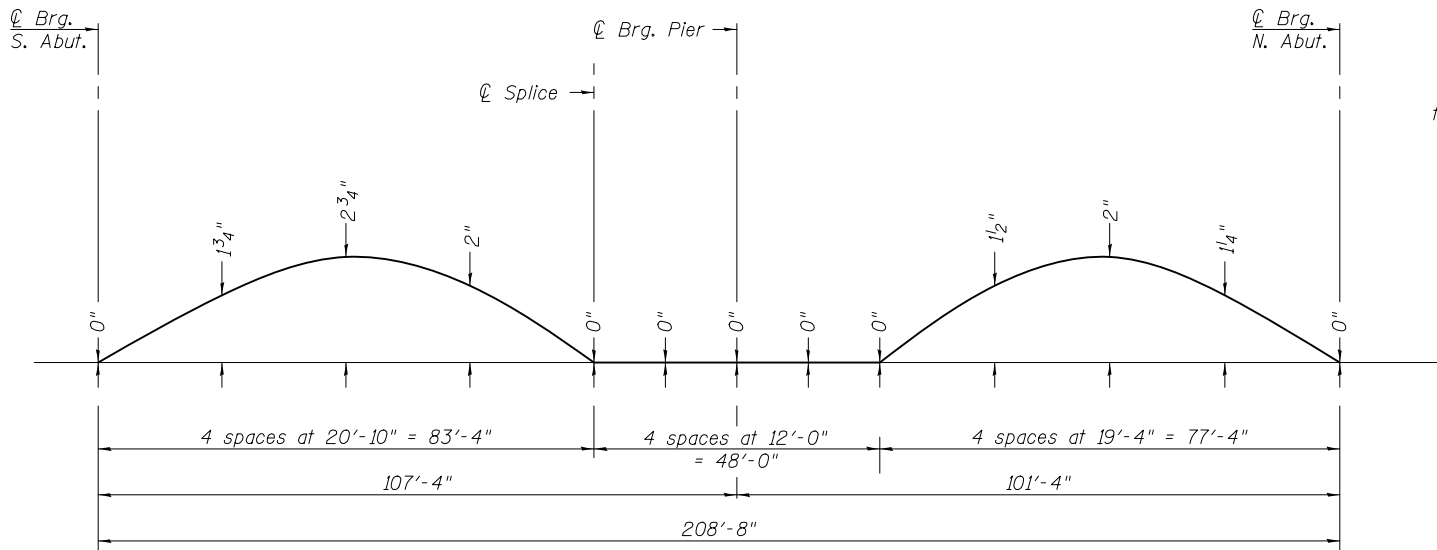


WEB SPLICE DETAIL



END OF GIRDER ELEVATION

(Typical at each end of each girder)



CAMBER DIAGRAM

INTERIOR GIRDER MOMENT TABLE			
	0.4 Sp. 1	Pier	0.6 Sp. 2
I_s	(in ⁴) 19658	38848	19658
$I_c(n)$	(in ⁴) 45016	71026	45016
$I_c(3n)$	(in ⁴) 33390	54192	33390
$I_c(cr)$	(in ⁴)	43155	
S_s	(in ³) 999	1746	999
$S_c(n)$	(in ³) 1280	2076	1280
$S_c(3n)$	(in ³) 1187	1937	1187
$S_c(cr)$	(in ³)	1810	
DC1	(k/')	0.959	1.096
DC2	(k/')	0.212	0.212
MDC1	(k)	682.0	1533.0
MDC2	(k)	161.0	331.0
DW	(k/')	0.333	0.333
MDW	(k)	253.0	520.0
LLDF		0.525	0.555
*M _κ + IM	(k)	1617.0	2074.0
M _u (Strength I)	(k)	4263.0	6739.5
φ _r M _n	(k)	6102.4	8343.0
f _s DC1	(ksi)	8.19	10.54
f _s DC2	(ksi)	1.63	2.19
f _s DW	(ksi)	2.56	3.45
f _s (κ + IM)	(ksi)	15.16	13.75
f _s (Service II)	(ksi)	32.08	34.05
0.95R _n F _{yf}	(ksi)	47.50	47.50
f _s (Total)(Strength I)	(ksi)		
φ _r F _n	(ksi)		
V _r	(k)	28.3	28.3

*M_κ + IM includes service moment due to sidewalk.

GIRDER REACTION TABLE				
	Abut.		Pier	
	Interior	Exterior	Interior	Exterior
LLDF	0.719		0.719	
OCF				
R _{DC1}	(k) 36.6	33.9	132.0	123.9
R _{DC2}	(k) 8.3	5.1	28.5	18.1
R _{DW}	(k) 13.1	12.3	44.7	42.3
**R _κ	(k) 82.9	56.2	179.0	114.4
R _{IM}	(k) 15.2	12.3	25.6	22.1
R _{Total}	(k) 156.1	119.8	409.8	320.8

**R_κ includes service reaction due to sidewalk.

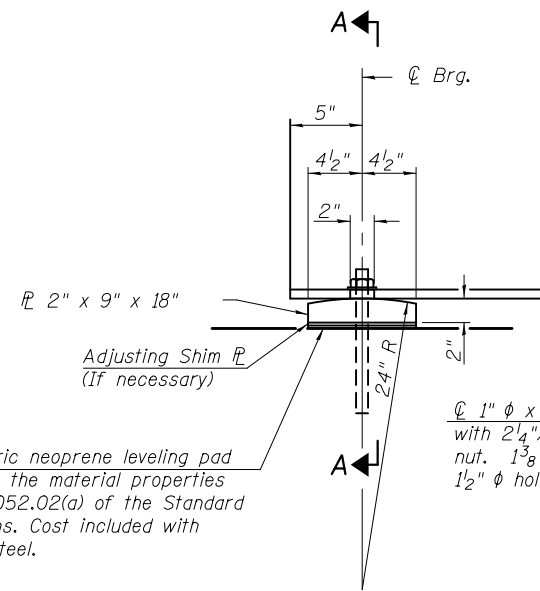
I_s, S_s : Non-composite moment of inertia and section modulus of the steel section used for computing f_s (Total-Strength I, and Service II) due to non-composite dead loads (in⁴ and in³).
 $I_c(n), S_c(n)$: Composite moment of inertia and section modulus of the steel and deck based upon the modular ratio, "n", used for computing f_s (Total-Strength I, and Service II) in uncracked sections due to short-term composite live loads (in⁴ and in³).
 $I_c(3n), S_c(3n)$: Composite moment of inertia and section modulus of the steel and deck based upon 3 times the modular ratio, "3n", used for computing f_s (Total-Strength I, and Service II) in uncracked sections, due to long-term composite (superimposed) dead loads (in⁴ and in³).
 $I_c(cr), S_c(cr)$: Composite moment of inertia and section modulus of the steel and longitudinal deck reinforcement, used for computing f_s (Total-Strength I and Service II) in cracked sections, due to both short-term composite live loads and long-term composite (superimposed) dead loads (in⁴ and in³).
 DC1: Un-factored non-composite dead load (kips/ft.).
 MDC1: Un-factored moment due to non-composite dead load (kip-ft.).
 DC2: Un-factored long-term composite (superimposed excluding future wearing surface) dead load (kips/ft.).
 MDC2: Un-factored moment due to long-term composite (superimposed excluding future wearing surface) dead load (kip-ft.).
 DW: Un-factored long-term composite (superimposed future wearing surface only) dead load (kips/ft.).
 MDW: Un-factored moment due to long-term composite (superimposed future wearing surface only) dead load (kip-ft.).
 M_κ + IM: Un-factored live load moment plus dynamic load allowance (impact) (kip-ft.).
 M_u (Strength I): Factored design moment (kip-ft.).
 1.25 (MDC1 + MDC2) + 1.5 MDW + 1.75 M_κ + IM
 φ_rM_n: Compact composite positive moment capacity computed according to Article 6.10.7.1 or non-slender negative moment capacity according to Article A6.1.1 or A6.1.2 (kip-ft.).
 f_s DC1: Un-factored stress at edge of flange for controlling steel flange due to vertical non-composite dead loads as calculated below (ksi).
 MDC1 / S_{nc}
 f_s DC2: Un-factored stress at edge of flange for controlling steel flange due to vertical composite dead loads as calculated below (ksi).
 MDC2 / S_c(3n) or MDC2 / S_c(cr) as applicable.
 f_s DW: Un-factored stress at edge of flange for controlling steel flange due to vertical composite future wearing surface loads as calculated below (ksi).
 MDW / S_c(3n) or MDW / S_c(cr) as applicable.
 f_s (κ + IM): Un-factored stress at edge of flange for controlling steel flange due to vertical composite live load plus impact loads as calculated below (ksi).
 M_κ + IM / S_c(n) or MDW / S_c(cr) as applicable.
 f_s (Service II): Sum of stresses as computed below (ksi).
 f_{sDC1} + f_{sDC2} + f_{sDW} + 1.3 f_s (κ + IM)
 0.95R_nF_{yf}: Composite stress capacity for Service II loading according to Article 6.10.4.2 (ksi).
 f_s (Total)(Strength I): Sum of stresses as computed below on non-compact section (ksi).
 1.25 (f_{sDC1} + f_{sDC2}) + 1.5 f_{sDW} + 1.75 f_s (κ + IM)
 φ_rF_n: Non-Compact composite positive or negative stress capacity for Strength I loading according to Article 6.10.7 or 6.10.8 (ksi).
 V_r: Maximum factored shear range in span computed according to Article 6.10.10.

*****TOP OF WEB ELEVATIONS

Location	☉ Brg. S. Abut.	☉ Splice	☉ Brg. Pier	☉ Brg. N. Abut.
Beam 1	801.30	800.59	800.33	798.48
Beam 2	801.43	800.73	800.47	798.62
Beam 3	801.57	800.87	800.61	798.76
Beam 4	801.68	800.97	800.71	798.86
Beam 5	801.75	801.04	800.78	798.93
Beam 6	801.64	800.94	800.68	798.82
Beam 7	801.52	800.82	800.56	798.71

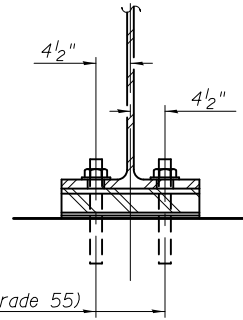
***** For fabrication use only.

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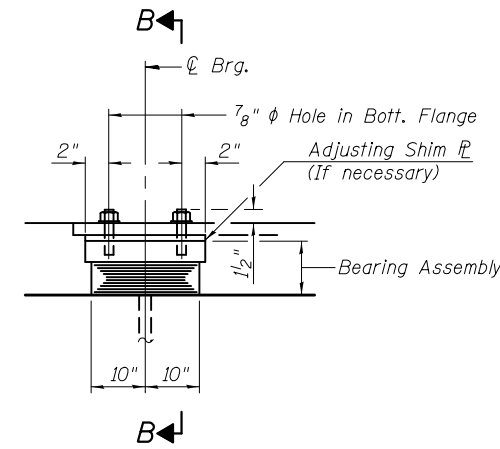


ELEVATION AT ABUTMENTS

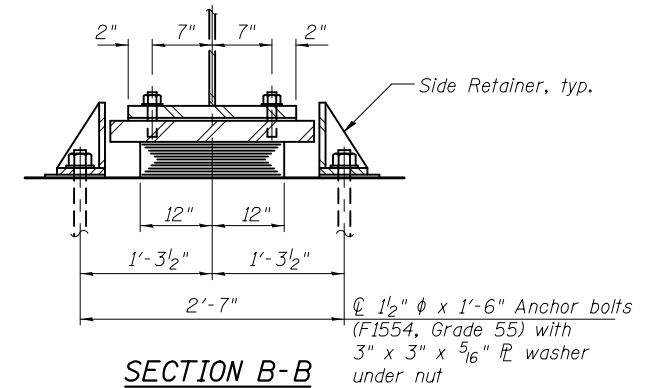
FIXED BEARING
(14 Required)



SECTION A-A



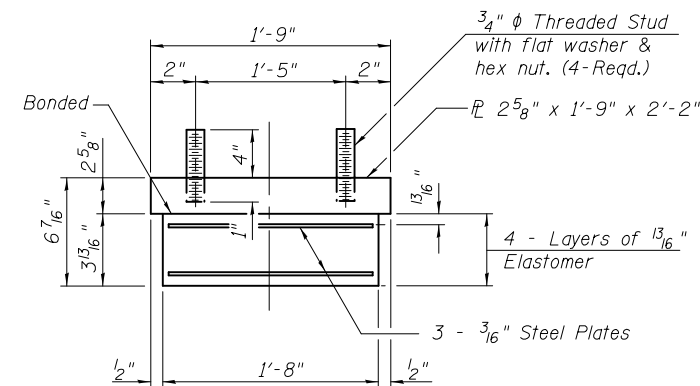
ELEVATION AT PIER



SECTION B-B

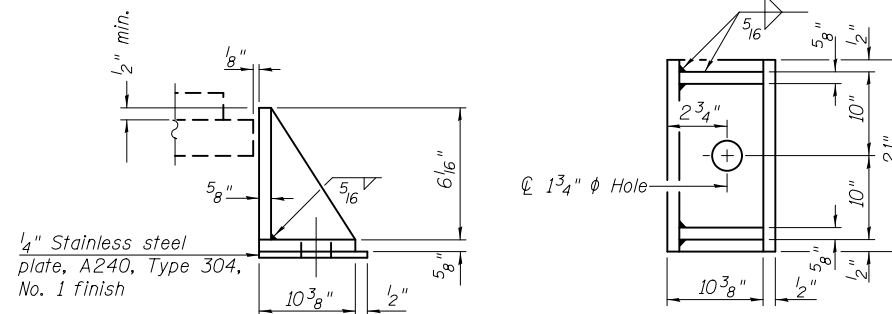
TYPE I ELASTOMERIC EXP. BRG.

(7 Required)



BEARING ASSEMBLY

Note:
Shim plates shall not be placed under Bearing Assembly.



SIDE RETAINER

Equivalent rolled angle with stiffeners will be allowed in lieu of welded plates.

Notes:
Anchor bolts shall be ASTM F1554 all-thread (or an Engineer-approved alternate material) of the grade(s) and diameter(s) specified. The corresponding specified grade of AASHTO M314 anchor bolts may be used in lieu of ASTM F1554.
Side retainers and other steel members required for the elastomeric bearing assembly shall be included in the cost of Elastomeric Bearing Assembly, Type I.
Beams shall be braced for stability during erection and remain braced until deck is poured and cured.
Anchor bolts and side retainers at all supports shall be installed as each member is erected unless an equivalent temporary means of lateral restraint is used.
All structural steel plates of the fixed bearing and elastomeric bearing assembly, except adjusting shims, shall conform to the requirements of AASHTO M 270 Grade 50.
Two 1/8 in. adjusting shims shall be provided for each bearing in addition to all other plates or shims and placed as shown on bearing details.

BILL OF MATERIAL

Item	Unit	Total
Elastomeric Bearing Assembly Type I	Each	7
Anchor Bolts, 1"	Each	28
Anchor Bolts, 1/2"	Each	14

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DESIGNED - NICHOLAS R. BARNETT	EXAMINED - <i>Jaime F. J. [Signature]</i>	DATE - AUGUST 6, 2020
CHECKED - PAUL GURKLYS/CORY KOLTVEIT	PASSED - <i>Carl [Signature]</i>	REVISIONS
DRAWN - MICHAEL B. MOSSMAN	ENGINEER OF BRIDGES AND STRUCTURES	REVISIONS
CHECKED - PG / CDK / GRA		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

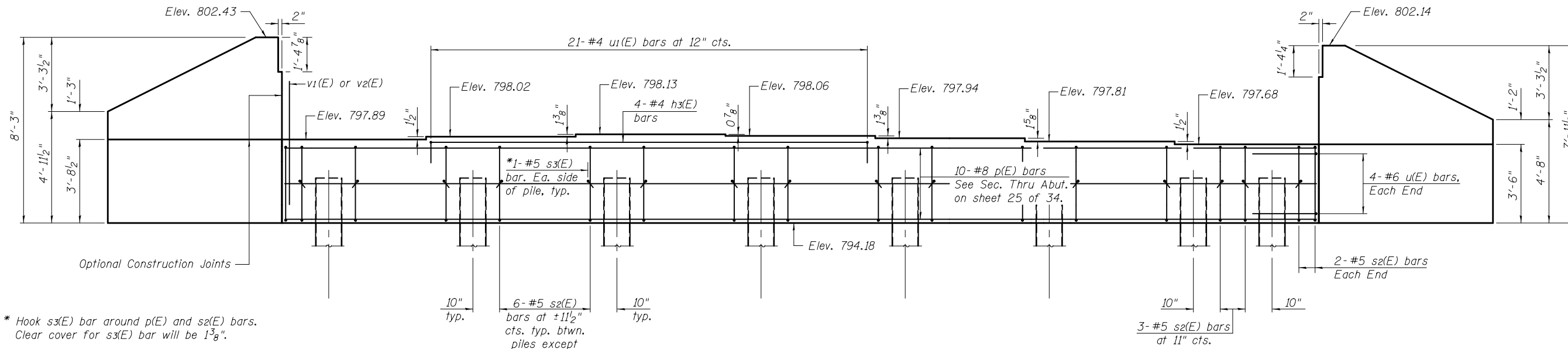
BEARING DETAILS
STRUCTURE NO. 101 - 0188

SHEET NO. 22 OF 34 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	4HBR	WINNEBAGO	148	87
CONTRACT NO. 64A08				
ILLINOIS FED. AID PROJECT				

Notes:

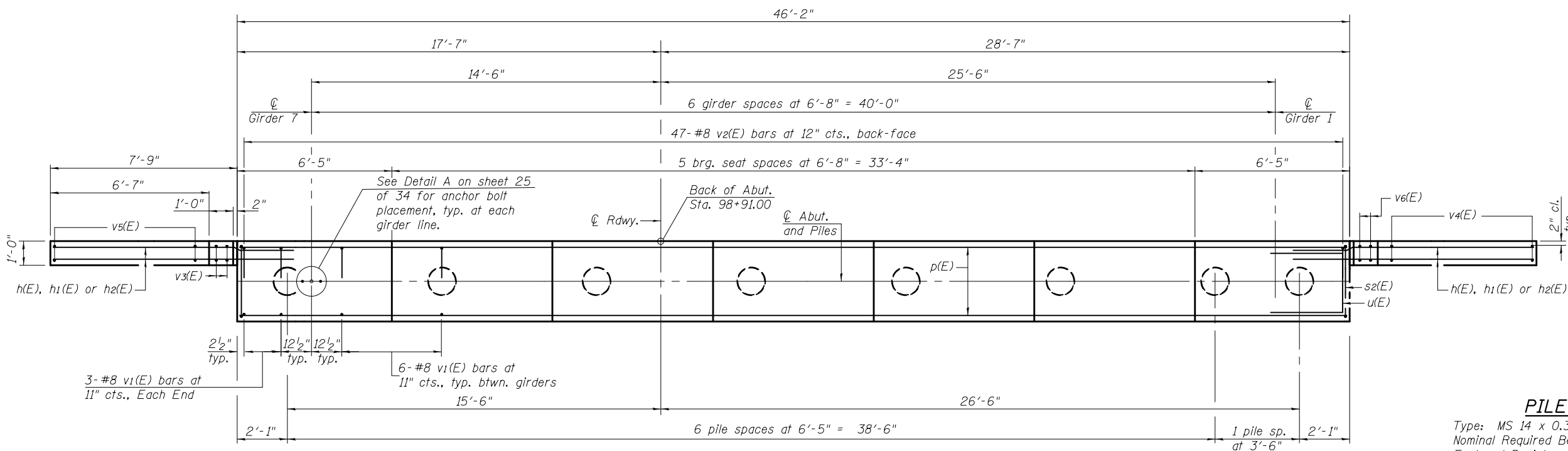
Pour steps monolithically with cap.
 The proposed piles are located to miss existing pile locations, based on the existing structure plans and information available. Contractor shall verify existing pile locations in field and report any conflicts to the Engineer. Existing piles shall be cut off one foot below proposed footing elevation.



* Hook s3(E) bar around p(E) and s2(E) bars. Clear cover for s3(E) bar will be 1 3/8".

ELEVATION

Looking South



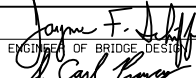
PLAN

PILE DATA

Type: MS 14 x 0.312" With Pile Shoes
 Nominal Required Bearing: 400 kips
 Factored Resistance Available: 220 kips
 Est. Length: 38'
 No. Production Piles: 7
 No. Test Piles: 1

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DESIGNED - NICHOLAS R. BARNETT	EXAMINED
CHECKED - PAUL GURKLYS/CORY KOLTVEIT	PASSED
DRAWN - MICHAEL B. MOSSMAN	
CHECKED - PG / CDK / GRA	


 ENGINEER OF BRIDGES AND STRUCTURES

DATE - AUGUST 6, 2020
REVISED
REVISED

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

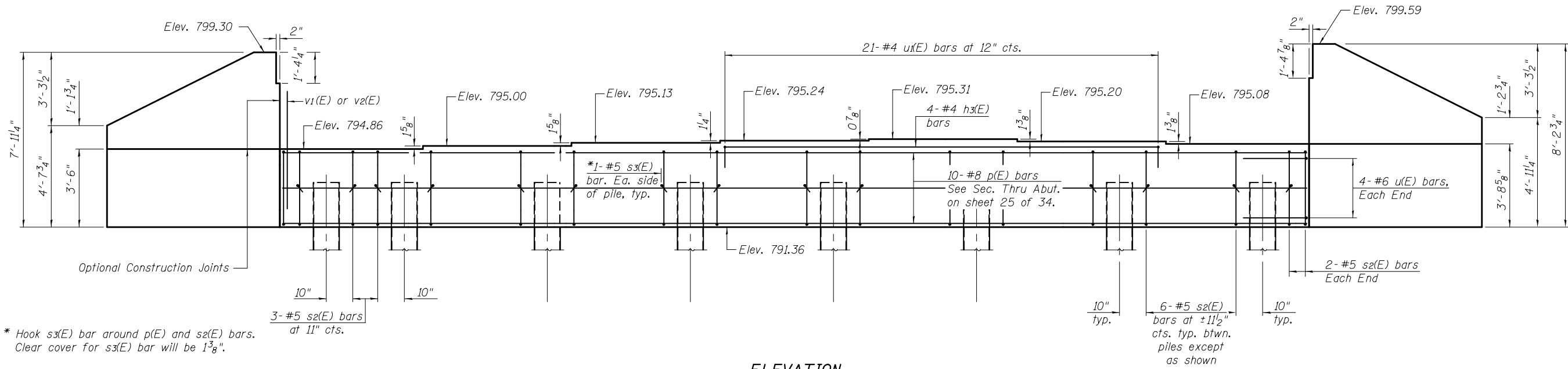
**SOUTH ABUTMENT
 STRUCTURE NO. 101 - 0188**

SHEET NO. 23 OF 34 SHEETS

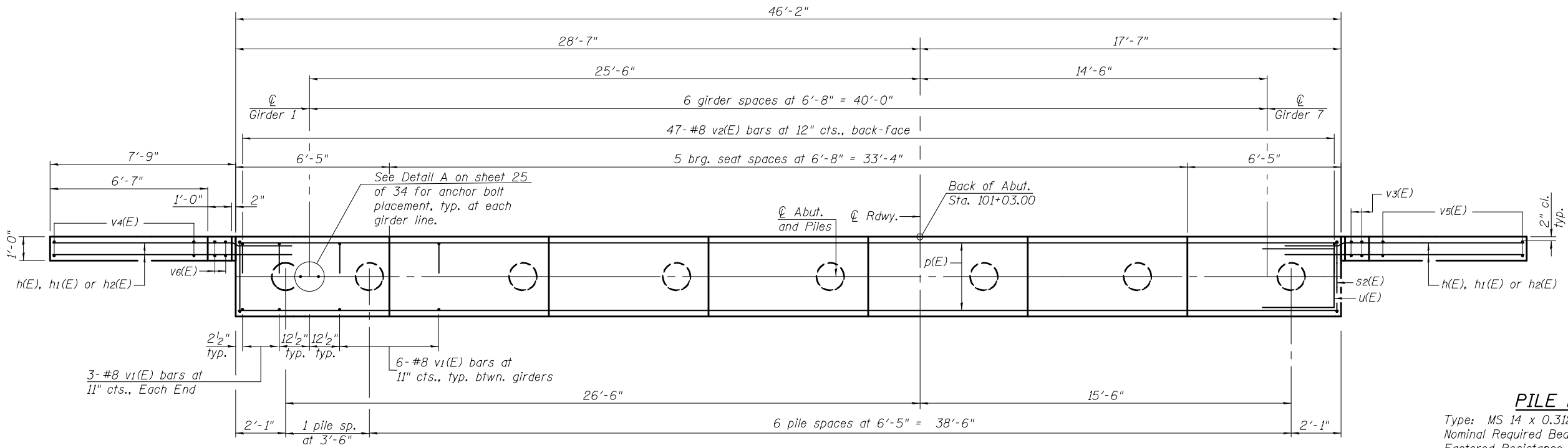
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	4HBR	WINNEBAGO	148	88
CONTRACT NO. 64A08				
ILLINOIS FED. AID PROJECT				

Notes:

Pour steps monolithically with cap.
 The proposed piles are located to miss existing pile locations, based on the existing structure plans and information available. Contractor shall verify existing pile locations in field and report any conflicts to the Engineer. Existing piles shall be cut off one foot below proposed footing elevation.



ELEVATION
 Looking North



PLAN

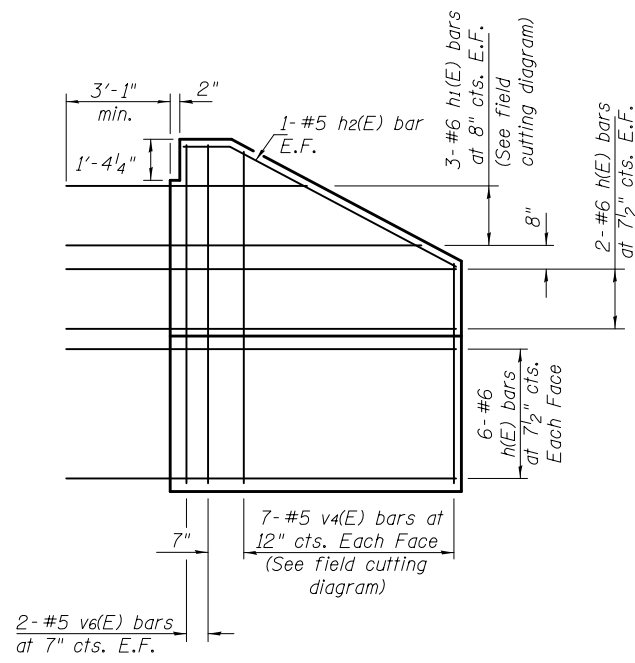
PILE DATA

Type: MS 14 x 0.312" With Pile Shoes
 Nominal Required Bearing: 394 kips
 Factored Resistance Available: 217 kips
 Est. Length: 38'
 No. Production Piles: 7
 No. Test Piles: 1

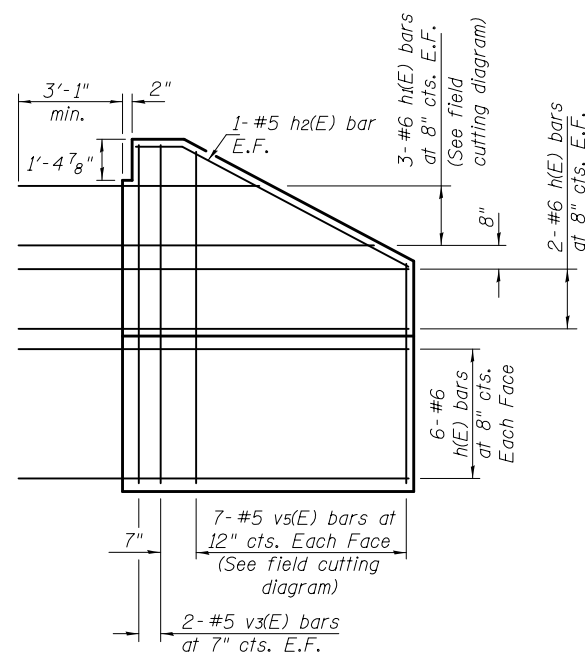
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DESIGNED - NICHOLAS R. BARNETT	EXAMINED - <i>Joanne F. J...</i>	DATE - AUGUST 6, 2020	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	NORTH ABUTMENT STRUCTURE NO. 101 - 0188	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
CHECKED - PAUL GURKLYS/CORY KOLTVEIT	PASSED - <i>Carl...</i>	REVIS			301	4HBR	WINNEBAGO	148	89	
DRAWN - MICHAEL B. MOSSMAN	ENGINEER OF BRIDGES AND STRUCTURES	REVIS			CONTRACT NO. 64A08					
CHECKED - PG / CDK / GRA					SHEET NO. 24 OF 34 SHEETS					

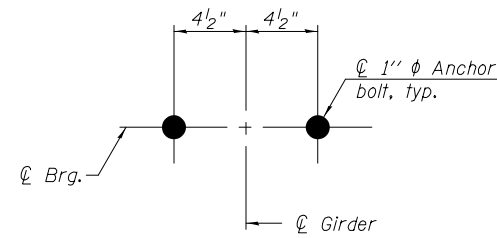
ILLINOIS FED. AID PROJECT



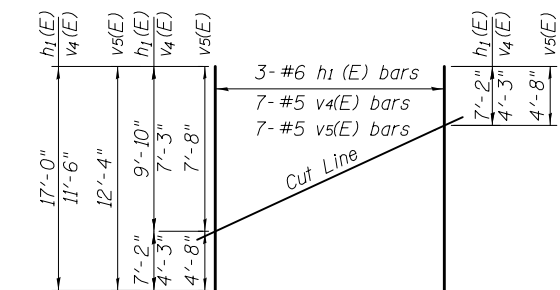
WEST WINGWALL ELEVATION



EAST WINGWALL ELEVATION

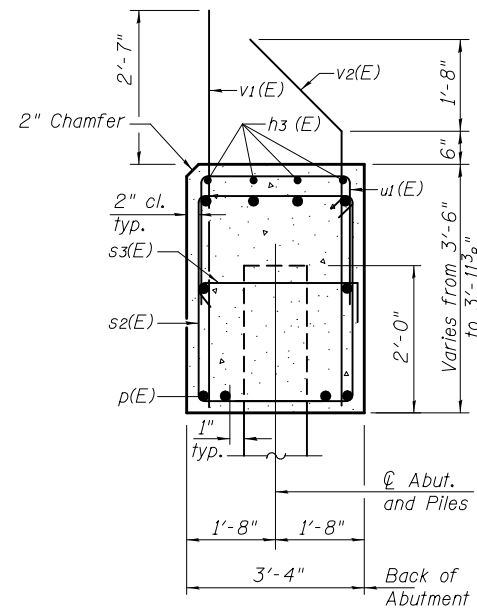


DETAIL A



FIELD CUTTING DIAGRAM

Order h1(E), v4(E), and v5(E) full length. Cut as shown and use remainder of bars in opposite face.



SEC. THRU ABUT.

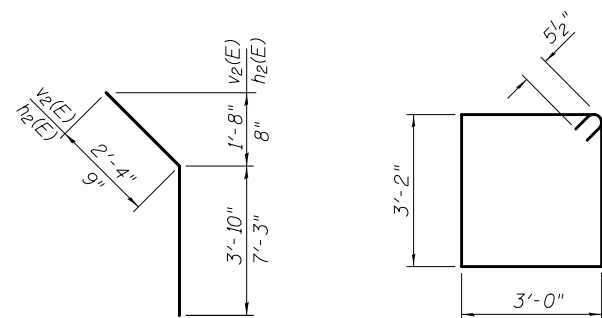
**SOUTH ABUTMENT
BILL OF MATERIAL**

Bar	No.	Size	Length	Shape
h(E)	32	#6	10'-8"	—
h1(E)	6	#6	17'-0"	—
h2(E)	4	#5	8'-0"	—
h3(E)	4	#4	19'-8"	—
p(E)	10	#8	45'-10"	—
s2(E)	43	#5	13'-3"	□
s3(E)	16	#5	4'-1"	┌
u(E)	8	#6	10'-6"	—
u1(E)	21	#4	7'-0"	—
v1(E)	42	#8	5'-11"	—
v2(E)	47	#8	6'-2"	—
v3(E)	4	#5	7'-10"	—
v4(E)	7	#5	11'-6"	—
v5(E)	7	#5	12'-4"	—
v6(E)	4	#5	7'-6"	—
Structure Excavation		Cu. Yd.	106.9	
Concrete Structures		Cu. Yd.	25.1	
Reinforcement Bars, Epoxy Coated		Pound	4,540	
Furnishing Metal Shell Piles 14" x 0.312"		Foot	266	
Driving Piles		Foot	266	
Test Pile Metal Shells		Each	1	
Pile Shoes		Each	8	

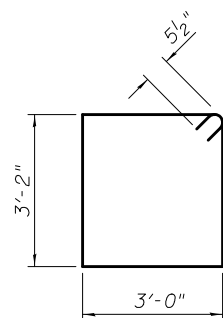
**NORTH ABUTMENT
BILL OF MATERIAL**

Bar	No.	Size	Length	Shape
h(E)	32	#6	10'-8"	—
h1(E)	6	#6	17'-0"	—
h2(E)	4	#5	8'-0"	—
h3(E)	4	#4	19'-8"	—
p(E)	10	#8	45'-10"	—
s2(E)	43	#5	13'-3"	□
s3(E)	16	#5	4'-1"	┌
u(E)	8	#6	10'-6"	—
u1(E)	21	#4	7'-0"	—
v1(E)	42	#8	5'-11"	—
v2(E)	47	#8	6'-2"	—
v3(E)	4	#5	7'-10"	—
v4(E)	7	#5	11'-6"	—
v5(E)	7	#5	12'-4"	—
v6(E)	4	#5	7'-6"	—
Structure Excavation		Cu. Yd.	106.9	
Concrete Structures		Cu. Yd.	25.1	
Reinforcement Bars, Epoxy Coated		Pound	4,540	
Furnishing Metal Shell Piles 14" x 0.312"		Foot	266	
Driving Piles		Foot	266	
Test Pile Metal Shells		Each	1	
Pile Shoes		Each	8	

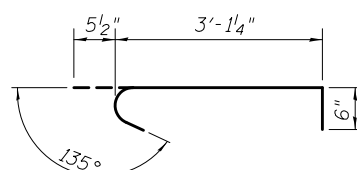
For details of piles see sheet 28 of 34.



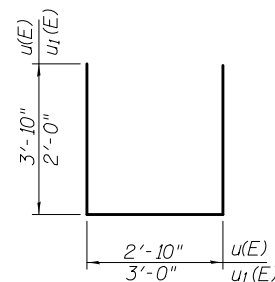
BAR v2(E) & h2(E)



BAR s2(E)



BAR s3(E)



BAR u(E) & u1(E)

8/6/2020 4:18:24 PM

DESIGNED - NICHOLAS R. BARNETT	EXAMINED - <i>Jaime F. J...</i>	DATE - AUGUST 6, 2020
CHECKED - PAUL GURKLYS/CORY KOLTVEIT	PASSED - <i>Carl...</i>	REVISED
DRAWN - MICHAEL B. MOSSMAN	ENGINEER OF BRIDGES AND STRUCTURES	REVISED
CHECKED - PG / CDK / GRA		

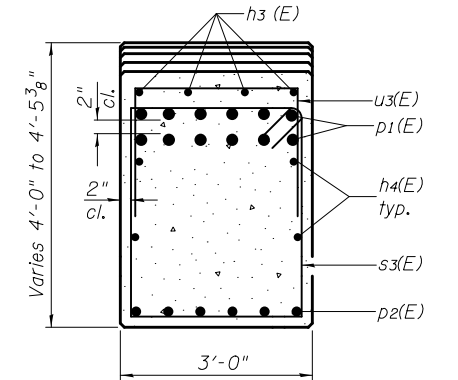
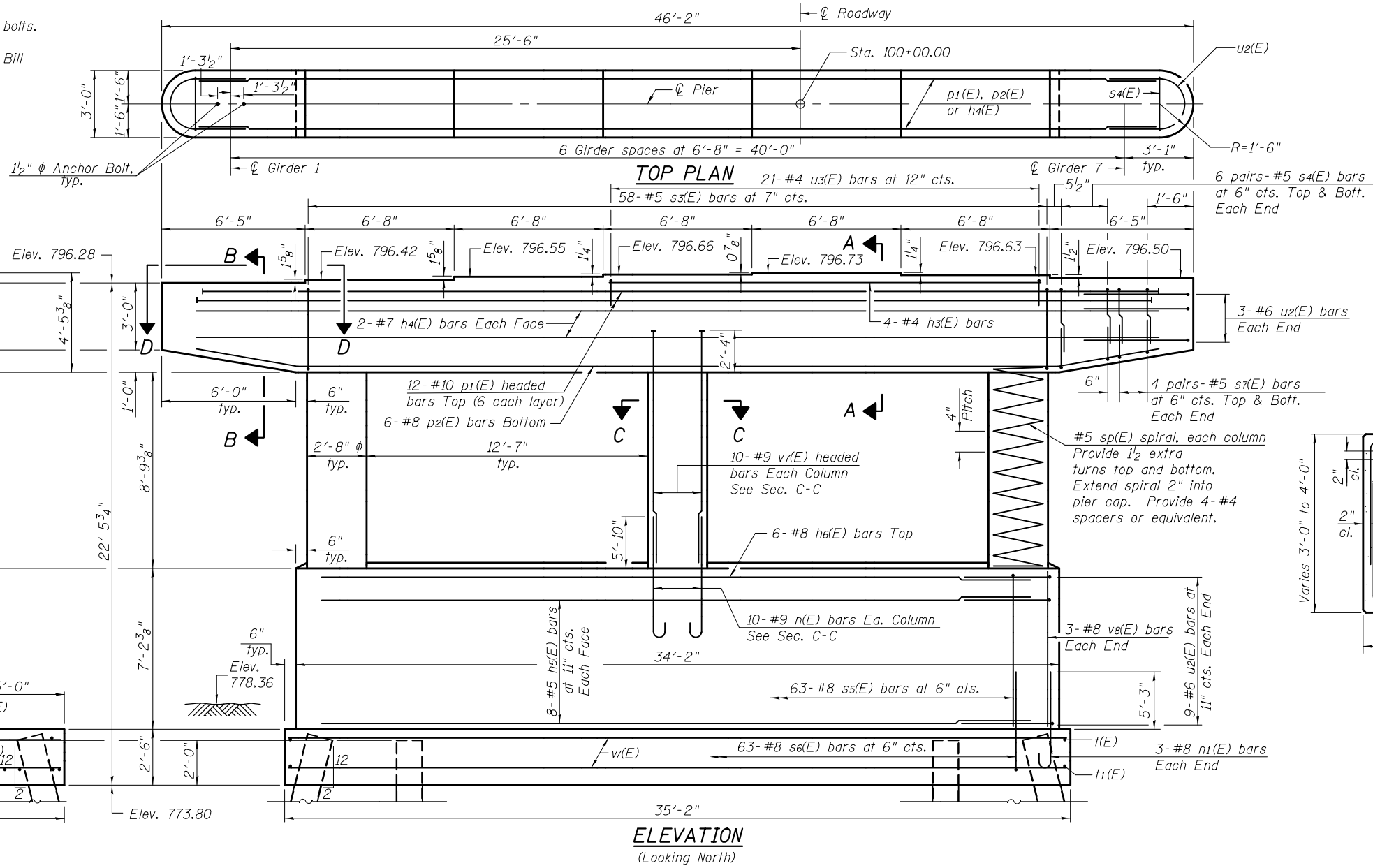
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ABUTMENT DETAILS
STRUCTURE NO. 101 - 0188**

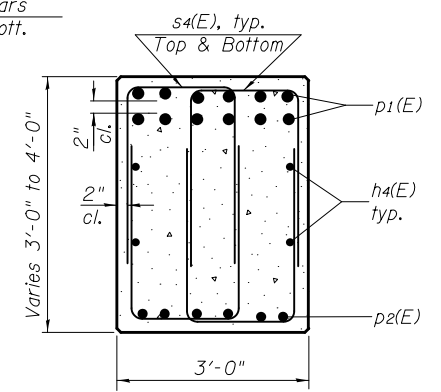
SHEET NO. 25 OF 34 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	4HBR	WINNEBAGO	148	90
CONTRACT NO. 64A08				
ILLINOIS FED. AID PROJECT				

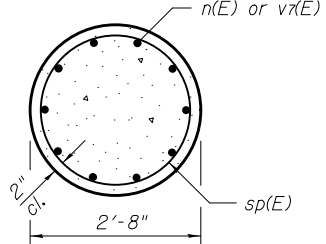
Notes:
 Space reinforcement in cap to miss anchor bolts.
 Pour steps monolithically with cap.
 For pile spacing, bar bending diagrams and Bill of Material, see sheet 27 of 34.
 For details of piles, see sheet 28 of 34.



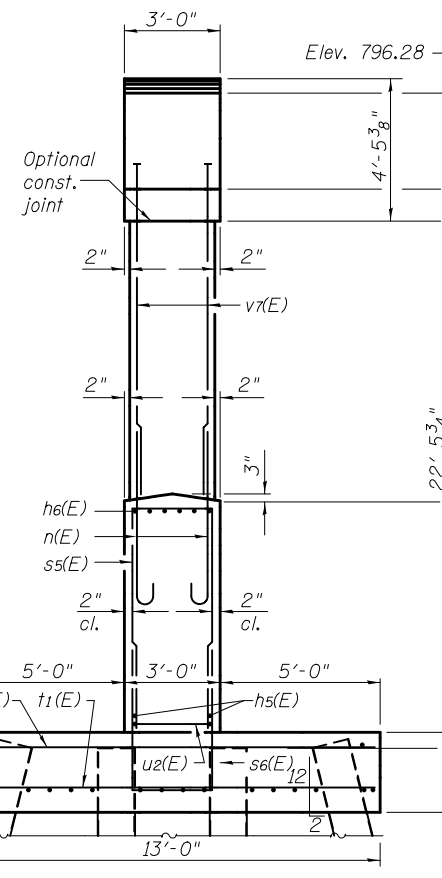
SEC. A-A



SEC. B-B

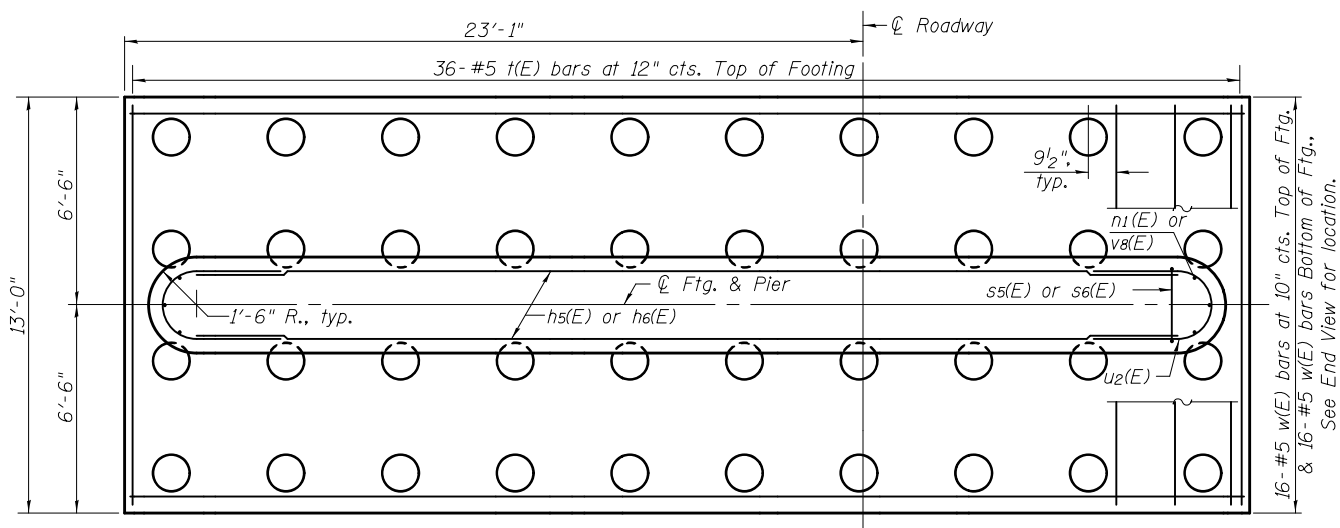


SEC. C-C

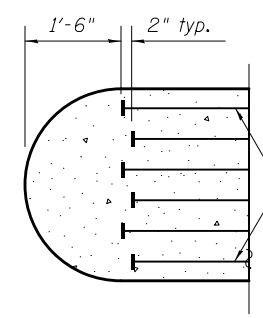


END VIEW

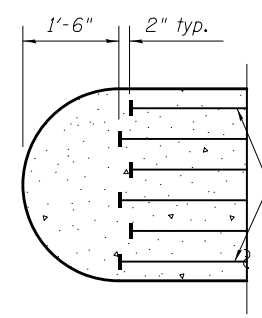
MINIMUM BAR LAP
 #8 bar = 5'-1"
 #9 bar = 5'-8"



FOOTING PLAN



TOP BAR LAYER



BOTTOM BAR LAYER

SEC. D-D

* Clear cover for p(E) bar heads will be 1 3/4" min.

8/6/2020 4:18:24 PM

DESIGNED - NICHOLAS R. BARNETT	EXAMINED - <i>Jaime F. Joffe</i>	DATE - AUGUST 6, 2020	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PIER STRUCTURE NO. 101 - 0188	F.A.P. R.T.E. 301	SECTION 4HBR	COUNTY WINNEBAGO	TOTAL SHEETS 148	SHEET NO. 91	
CHECKED - PAUL GURKLYS/CORY KOLTVEIT	PASSED - <i>Carl Rupp</i>	REVISOR			CONTRACT NO. 64A08					
DRAWN - MICHAEL B. MOSSMAN	ENGINEER OF BRIDGES AND STRUCTURES	REVISOR			SHEET NO. 26 OF 34 SHEETS					
CHECKED - PG / CDK / GRA					ILLINOIS FED. AID PROJECT					

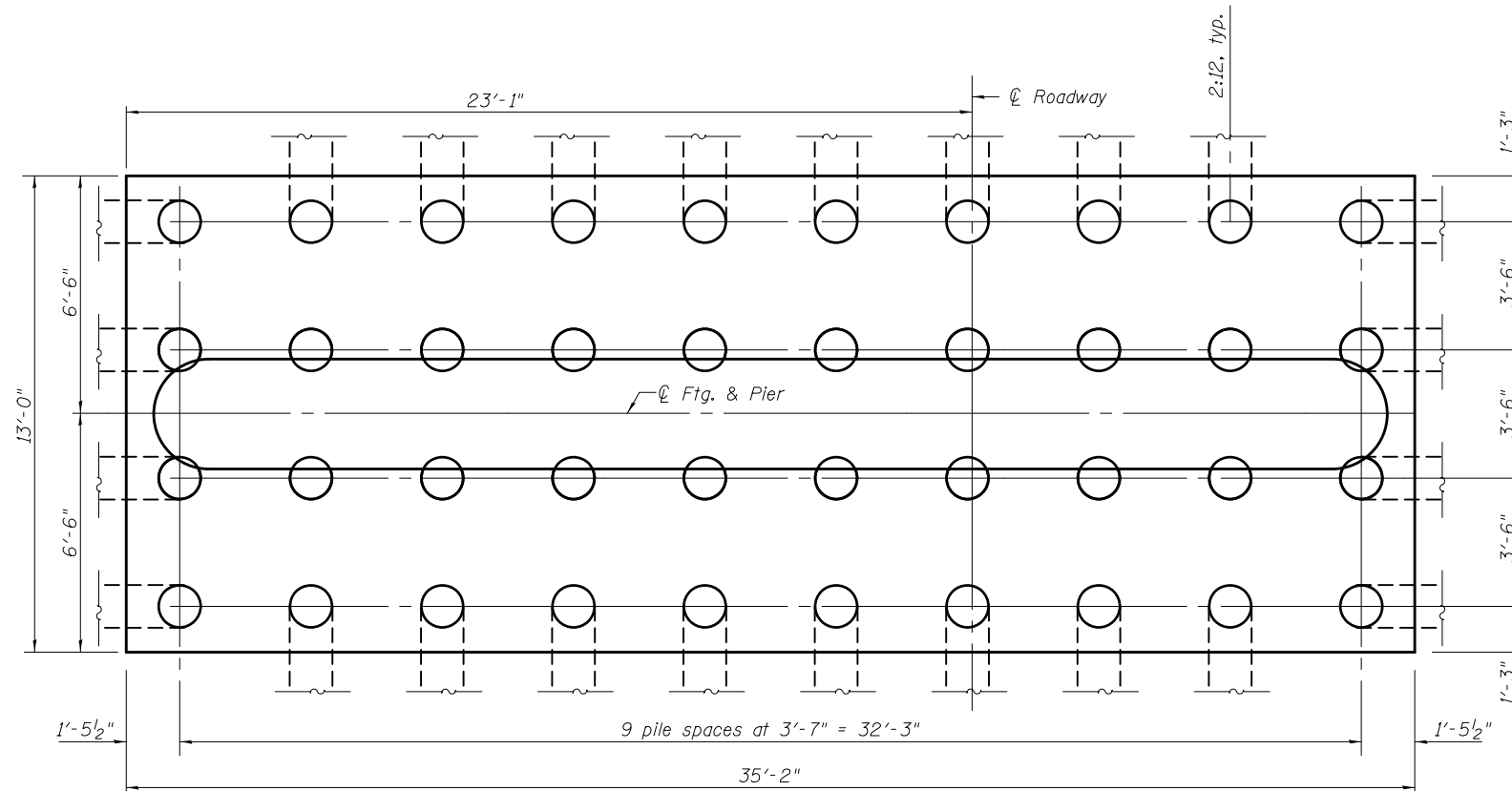
PILE DATA

Type: MS 14 x 0.312 with Pile Shoes
 Nominal Required Bearing: 279 kips
 Factored Resistance Available: 153 kips
 Est. Length: 43'
 No. Production Piles: 39
 No. Test Piles: 1

Notes:

The proposed piles are located to miss existing pile locations, based on the existing structure plans and information available. Contractor shall verify existing pile locations in field and report any conflicts to the Engineer. Existing piles shall be cut off one foot below proposed footing elevation.

Headed bars shall conform to ASTM A970 with threaded attachment; Class HA; and reinforcement bars conforming to ASTM A706. Cost included with Reinforcement Bars, Epoxy Coated.

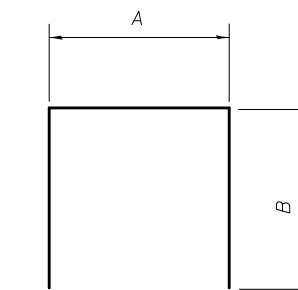


FOOTING PLAN

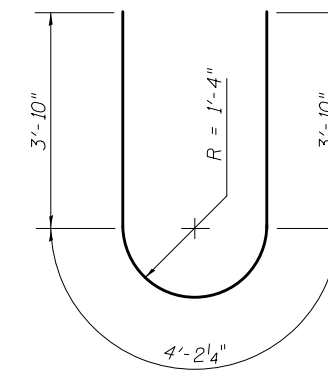
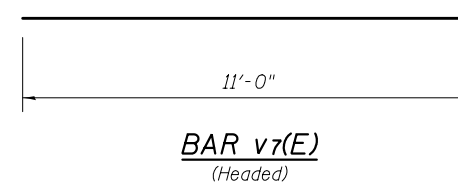
Showing Pile Spacing

A & B DIMENSIONS

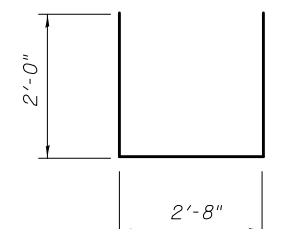
Bar	A	B
s4(E)	1'-8 1/2"	3'-3"
ss(E)	2'-8"	6'-10"
s6(E)	2'-8"	7'-6"
s7(E)	1'-8 1/2"	2'-11"



BARS s4(E), s5(E), s6(E) & s7(E)



BAR u2(E)

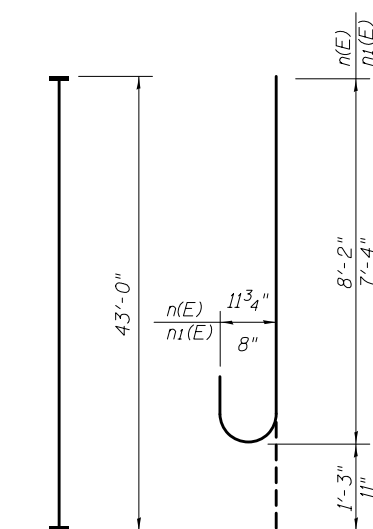


BAR u3(E)

BILL OF MATERIAL

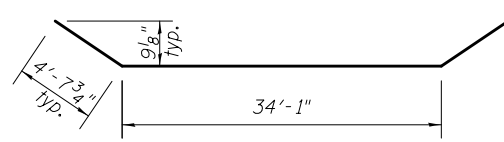
Bar	No.	Size	Length	Shape
h3(E)	4	#4	19'-8"	—
h4(E)	4	#7	43'-2"	—
h5(E)	16	#5	31'-2"	—
h6(E)	6	#8	31'-2"	—
n(E)	30	#9	9'-5"	U
n1(E)	6	#8	8'-3"	U
p1(E)	12	#10	43'-0"	—
p2(E)	6	#8	43'-5"	—
s3(E)	58	#5	13'-7"	□
s4(E)	48	#5	8'-3"	□
s5(E)	63	#8	16'-4"	□
s6(E)	63	#8	17'-8"	□
s7(E)	32	#5	7'-7"	□
* sp(E)	3	#5	9'-2"	~
f(E)	36	#5	12'-8"	—
t1(E)	40	#7	12'-8"	—
u2(E)	24	#6	11'-11"	U
u3(E)	21	#4	6'-8"	U
v7(E)	30	#9	11'-0"	—
v8(E)	6	#8	6'-10"	—
w(E)	32	#5	34'-10"	—
Structure Excavation		Cu. Yd.	112.5	
Concrete Structures		Cu. Yd.	89.5	
Reinforcement Bars, Epoxy Coated		Pound	17,760	
Furnishing Metal Shell Piles 14" x 0.312"		Foot	1,677	
Driving Piles		Foot	1,677	
Test Pile Metal Shells		Each	1	
Pile Shoes		Each	40	

* Length is height of spiral.

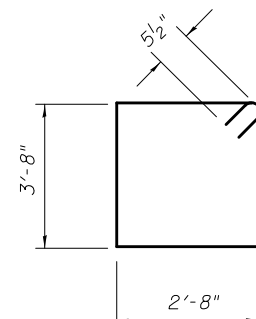


BAR p1(E)
(Headed)

BARS n(E) & n1(E)



BAR p2(E)



BAR s3(E)

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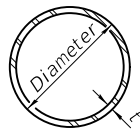
DESIGNED - NICHOLAS R. BARNETT	EXAMINED - <i>Joanne F. J...</i>	DATE - AUGUST 6, 2020
CHECKED - PAUL GURKLYS/CORY KOLTVEIT	PASSED - <i>Carl...</i>	REVISIONS
DRAWN - MICHAEL B. MOSSMAN	ENGINEER OF BRIDGES AND STRUCTURES	REVISIONS
CHECKED - PG / CDK / GRA		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PIER
STRUCTURE NO. 101 - 0188**

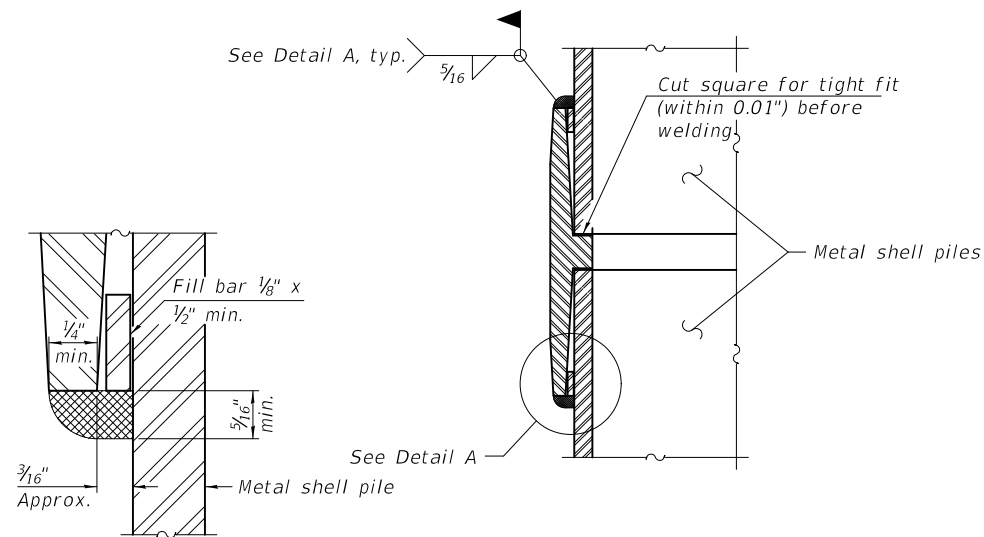
SHEET NO. 27 OF 34 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	4HBR	WINNEBAGO	148	92
CONTRACT NO. 64A08				
ILLINOIS FED. AID PROJECT				

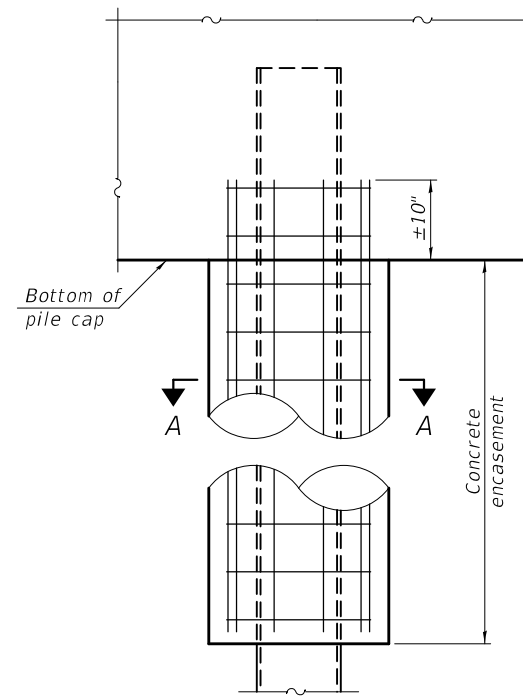


METAL SHELL PILE TABLE

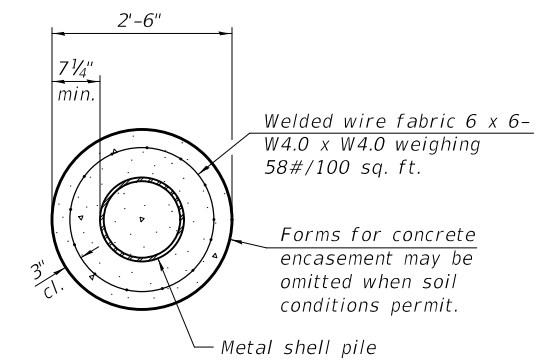
Designation and outside diameter	Wall thickness t	Weight per foot (Lbs./ft.)	Inside volume (yd. ³ /ft.)
PP12	0.250"	31.37	0.0267
PP14	0.250"	36.71	0.0368
PP14	0.312"	45.61	0.0361
PP16	0.312"	52.32	0.0478
PP16	0.375"	62.64	0.0470



DETAIL A

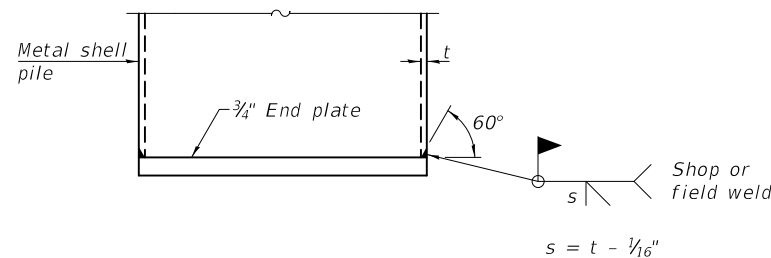


ELEVATION



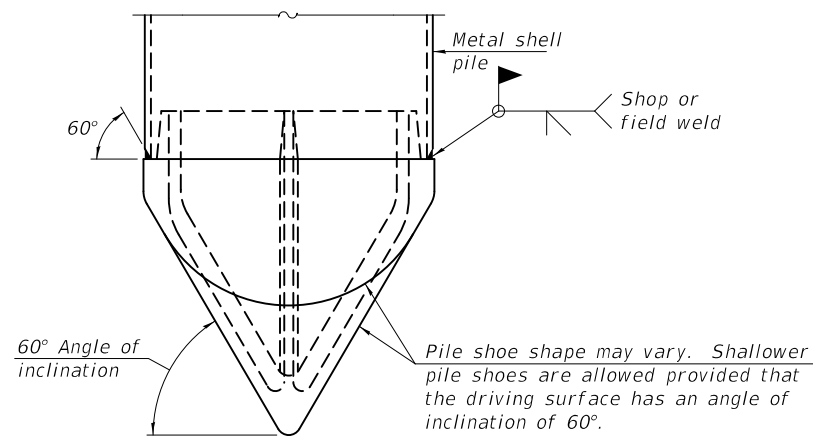
SECTION A-A

INDIVIDUAL PILE CONCRETE ENCASUREMENT
(When specified)



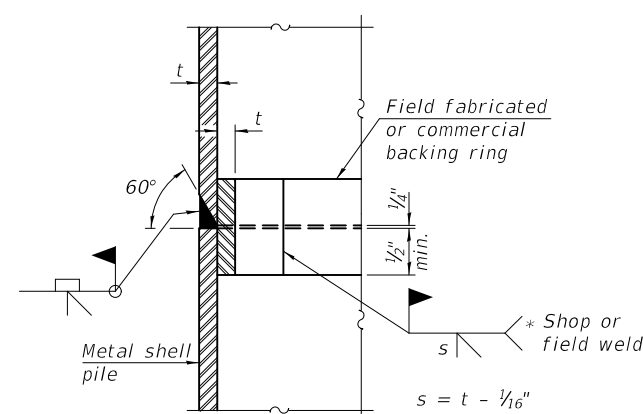
END PLATE ATTACHMENT

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



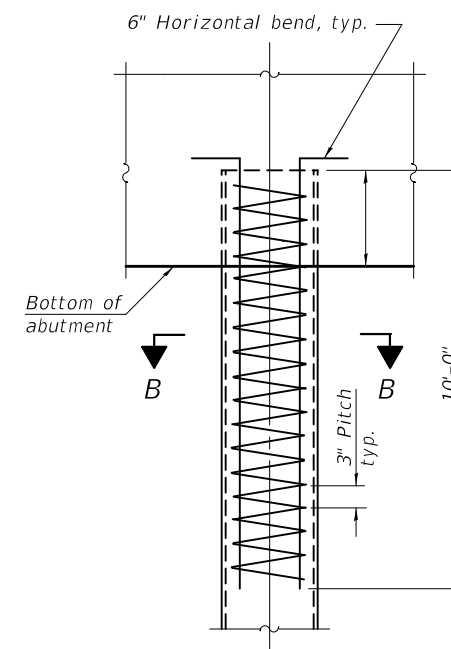
PILE SHOE ATTACHMENT

(When called for on the plans, the Contractor shall furnish metal shell pile shoes consisting of a single piece conical pile point as shown. The pile shoes shall be cast in one piece steel according to either ASTM A 148 Grade 80-50 or AASHTO M 103 Grade 65-35 and shall provide full bearing over the full circumference of the metal shell pile. The pile shoe shall have tapered leads to assure proper alignment and fitting and shall be secured to the pile with a circumferential weld).

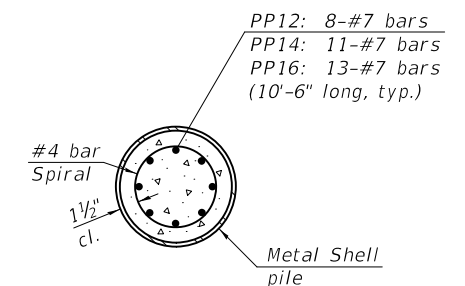


COMPLETE PENETRATION WELD SPLICE

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



ELEVATION



SECTION B-B

REINFORCEMENT AT ABUTMENTS
(Omit when concrete encasement is specified)

Note:
The metal shell piles shall be according to Article 1006.05 of the Standard Specifications.

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F-MS 1-1-2020

DESIGNED - NICHOLAS R. BARNETT	EXAMINED	DATE - AUGUST 6, 2020
CHECKED - PAUL GURKLYS/CORY KOLTVEIT	PASSED	
DRAWN - MICHAEL B. MOSSMAN		
CHECKED - PG / CDK / GRA		

Jaime F. J. [Signature]
ENGINEER OF BRIDGE DESIGN
[Signature]
ENGINEER OF BRIDGES AND STRUCTURES

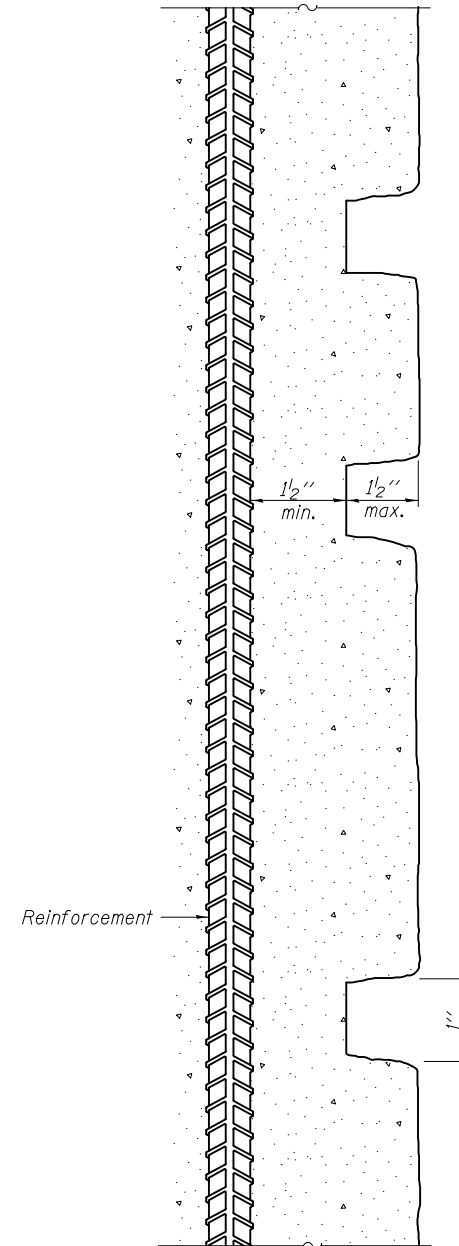
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**METAL SHELL PILE DETAILS
STRUCTURE NO. 101 - 0188**

SHEET NO. 28 OF 34 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	4HBR	WINNEBAGO	148	93
CONTRACT NO. 64A08				

ILLINOIS FED. AID PROJECT



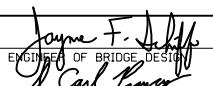
SECTION THRU
FORM LINER



RANDOM BLOCK ASHLAR STONE
FORM LINER
(Pattern #1506)

8/6/2020 4:18:25 PM

DESIGNED - NICHOLAS R. BARNETT
 CHECKED - PAUL GURKLYS/CORY KOLTVEIT
 DRAWN - MICHAEL B. MOSSMAN
 CHECKED - PG / CDK / GRA

EXAMINED
 PASSED

 ENGINEER OF BRIDGES AND STRUCTURES

DATE - AUGUST 6, 2020
 REVISED
 REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FORM LINER DETAILS
STRUCTURE NO. 101 - 0188

SHEET NO. 29 OF 34 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	4HBR	WINNEBAGO	148	94
ILLINOIS FED. AID PROJECT			CONTRACT NO. 64A08	

Illinois Department of Transportation
Division of Highways
IDOT

SOIL BORING LOG Page 1 of 2 Date 3/31/04

ROUTE FA 301 DESCRIPTION P92-056-04 20th Street In Rockford over Bypass 20, 3/4 m. E. of 11th Street (IL 251) LOGGED BY C. Jenkins

SECTION 4 HB LOCATION Southwest Rockford - NE, SEC. 12, TWP. 43N, RNG. 1E

COUNTY Winnebago DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME-45 Automatic

STRUCT. NO. Station 594+32.73 on Bypass, 10+00 20th St.

BORING NO. B-1a Station 10+48 Offset 32.50ft RI CL 20th St. Ground Surface Elev. 80.50 ft

DEPTH (ft)	BULGE (in)	SHEAR (tsf)	PENETRATION (%)	DESCRIPTION	DEPTH (ft)	BULGE (in)	SHEAR (tsf)	PENETRATION (%)
				DENSE tan well-cemented SAND & GRAVEL (continued)	14			
					18			
76.50	2			VERY DENSE tan fine grained SAND with LIMESTONE fragments	52			
	4	0.8	13.0		28			
77.00	4				24			
					56.50			
	2			VERY STIFF tan SANDY CLAY TILL	13			
	3	0.7	23.0		13	2.6	10.0	
74.50	3				13			
				VERY STIFF tan SANDY CLAY TILL	4			
	2	0.4	16.0		10	3.5	9.0	
72.00	3				19			
				DENSE tan fine grained SAND	11			
	3				17			
	4	0.8	9.0		21			
69.50	5				49.50			
				MEDIUM tan fine grained SAND	17			
	2				4			
	5	1.0	9.0		13			
66.50	8				47.00			
				MEDIUM tan fine grained SAND	7			
	8				10			
	24				10			
64.00	19				44.00			
				Begin Wash	5			
	14			STIFF tan SANDY LOAM TILL	6	1.4	12.0	
	18	3.0	7.0		8			
61.50	18				41.50			
					5			
	7				40			

The Unconfined Compressive Strength (UCS) Failure Mode Is Indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, form 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
IDOT

SOIL BORING LOG Page 2 of 2 Date 3/31/04

ROUTE FA 301 DESCRIPTION P92-056-04 20th Street In Rockford over Bypass 20, 3/4 m. E. of 11th Street (IL 251) LOGGED BY C. Jenkins

SECTION 4 HB LOCATION Southwest Rockford - NE, SEC. 12, TWP. 43N, RNG. 1E

COUNTY Winnebago DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME-45 Automatic

STRUCT. NO. Station 594+32.73 on Bypass, 10+00 20th St.

BORING NO. B-1a Station 10+48 Offset 32.50ft RI CL 20th St. Ground Surface Elev. 80.50 ft

DEPTH (ft)	BULGE (in)	SHEAR (tsf)	PENETRATION (%)	DESCRIPTION	DEPTH (ft)	BULGE (in)	SHEAR (tsf)	PENETRATION (%)
				Wash	9			
				MEDIUM tan fine grained SAND (continued)	9			
					39.00			
				MEDIUM tan SANDY LOAM TILL	6			
	8	0.7	12.0		8			
37.00	8				37.00			
				MEDIUM gray SANDY LOAM TILL	2			
	2				14			
34.00	14				34.00			
				VERY DENSE tan fine grained SAND with some LIMESTONE fragments	30			
					39			
					55			
32.00					32.00			
				VERY DENSE tan very fine grained SAND	24			
					21			
					34			
29.50					29.50			
				End of Boring				

The Unconfined Compressive Strength (UCS) Failure Mode Is Indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, form 137 (Rev. 8-99)

8/6/2020 4:18:26 PM

DESIGNED - NICHOLAS R. BARNETT	EXAMINED - <i>James F. J. [Signature]</i>	DATE - AUGUST 6, 2020	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SOIL BORING LOGS STRUCTURE NO. 101 - 0188	F.A.P. RTE. 301	SECTION 4HBR	COUNTY WINNEBAGO	TOTAL SHEETS 148	SHEET NO. 95	
CHECKED - PAUL GURKLYS/CORY KOLTVEIT	PASSED - <i>Carl [Signature]</i>	REVISOR			CONTRACT NO. 64A08					
DRAWN - MICHAEL B. MOSSMAN	ENGINEER OF BRIDGES AND STRUCTURES	REVISOR			SHEET NO. 30 OF 34 SHEETS					
CHECKED - PG / CDK / GRA					ILLINOIS FED. AID PROJECT					

Illinois Department of Transportation
Division of Highways
IDOT

SOIL BORING LOG

Page 1 of 2
Date 4/1/04

ROUTE FA 301 DESCRIPTION P92-056-04 20th Street In Rockford over Bypass
20, 3/4 m. E. of 11th Street (IL 251) LOGGED BY C. Jenkins

SECTION 4 HB LOCATION Southwest Rockford - NE, SEC. 12, TWP. 43N, RNG. 1E

COUNTY Winnebago DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME-45 Automatic

STRUCT. NO. _____
Station 594+32.78 Bypass 20, 10+00 20th St.

BORING NO. B-2a
Station 9+49
Offset 20.00ft RI CL 20th St.
Ground Surface Elev. 80.80 ft

DEPTH (ft)	BULGE (ft)	SHEAR (tsf)	PENETRATION (%)	Description	DEPTH (ft)	BULGE (ft)	SHEAR (tsf)	PENETRATION (%)	Surface Water Elev.	Stream Bed Elev.	DEPTH (ft)	BULGE (ft)	SHEAR (tsf)	PENETRATION (%)
									None	None				
0				Asphalt	8						8			
0.9			12.0	MEDIUM black SILTY LOAM	10	2.6		11.0			10	2.6		11.0
5				STIFF black/brown SILTY LOAM	11						11			
6	1.3		20.0	Same as above	9	3.7		10.0			9	3.7		10.0
10					14						14			
2				STIFF brown SILTY LOAM	8						8			
3	1.2		22.0	HARD tan SANDY CLAY TILL with SAND lenses	16	4.4		12.0			16	4.4		12.0
5					21						21			
9				MEDIUM tan fine SAND	8						8			
5				DENSE tan fine grained SAND	15						15			
6					21						21			
7				STIFF tan SANDY LOAM TILL	17						17			
9	1.7		9.0	Begin Wash VERY DENSE tan fine grained SAND	26						26			
10					31						31			
8				VERY STIFF tan SANDY LOAM TILL	23						23			
10	2.3		9.0	VERY DENSE tan SAND with some GRAVEL	26						26			
11					25						25			
8				Same as above	14						14			
12	2.3		8.0	DENSE tan fine SAND	16						16			
15					19						19			
14				Same as above	12						12			
23	2.7		6.0	Wash Same as above	20						20			
30					26						26			
					41.80						41.80			
					40						40			

The Unconfined Compressive Strength (UCS) Failure Mode Is Indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, form 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
IDOT

SOIL BORING LOG

Page 2 of 2
Date 4/1/04

ROUTE FA 301 DESCRIPTION P92-056-04 20th Street In Rockford over Bypass
20, 3/4 m. E. of 11th Street (IL 251) LOGGED BY C. Jenkins

SECTION 4 HB LOCATION Southwest Rockford - NE, SEC. 12, TWP. 43N, RNG. 1E

COUNTY Winnebago DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME-45 Automatic

STRUCT. NO. _____
Station 594+32.78 Bypass 20, 10+00 20th St.

BORING NO. B-2a
Station 9+49
Offset 20.00ft RI CL 20th St.
Ground Surface Elev. 80.80 ft

DEPTH (ft)	BULGE (ft)	SHEAR (tsf)	PENETRATION (%)	Description	DEPTH (ft)	BULGE (ft)	SHEAR (tsf)	PENETRATION (%)	Surface Water Elev.	Stream Bed Elev.	DEPTH (ft)	BULGE (ft)	SHEAR (tsf)	PENETRATION (%)
									None	None				
12				Wash	12						12			
15				DENSE tan coarse grained SAND	15						15			
19					19						19			
10				Wash	10						10			
12				MEDIUM tan fine SAND	12						12			
14					14						14			
4				MEDIUM tan SANDY LOAM TILL	4						4			
4	0.8		12.0		4	0.8		12.0			4	0.8		12.0
5					5						5			
7				VERY STIFF tan/pink SANDY CLAY TILL	7						7			
15	3.0		10.0		15	3.0		10.0			15	3.0		10.0
24					24						24			
				End of Boring										
					31.80						31.80			
					40						40			

The Unconfined Compressive Strength (UCS) Failure Mode Is Indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, form 137 (Rev. 8-99)

8/6/2020 4:18:26 PM

DESIGNED - NICHOLAS R. BARNETT	EXAMINED	DATE - AUGUST 6, 2020	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SOIL BORING LOGS STRUCTURE NO. 101 - 0188	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CHECKED - PAUL GURKLYS/CORY KOLTVEIT	PASSED	REVISOR			301	4HBR	WINNEBAGO	148	96
DRAWN - MICHAEL B. MOSSMAN		REVISOR			CONTRACT NO. 64A08				
CHECKED - PG / CDK / GRA		REVISOR			ILLINOIS FED. AID PROJECT				

Illinois Department of Transportation
Division of Highways
IDOT

SOIL BORING LOG

Page 1 of 2
Date 4/5/04

ROUTE FA 301 DESCRIPTION P92-056-04 20th Street In Rockford over Bypass
20, 3/4 m. E. of 11th Street (IL 251) LOGGED BY C. Jenkins

SECTION 4 HB LOCATION Southwest Rockford - NE, SEC. 12, TWP. 43N, RNG. 1E

COUNTY Winnebago DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME-45 Automatic

STRUCT. NO. Station 592+32.73 Bypass, 10+00 20th St.

BORING NO. B-3a Station 8+88 Offset 8.50ft Lt CL 20th St. Ground Surface Elev. 97.50 ft

Description	Depth (ft)	Bulge (ft)	Shear (tsf)	Penetration (blows)	Soil Description	Depth (ft)	Bulge (ft)	Shear (tsf)	Penetration (blows)	Surface Water Elev.	Stream Bed Elev.	Groundwater Elev.:	First Encounter	Upon Completion	After
										ft	ft	ft	ft	ft	ft
Asphalt					STIFF black SILTY CLAY	3									
MEDIUM tan to brown SAND	95.50					5	1.1	25.0	7						
						7									
SOFT brown SANDY LOAM	93.50	1			STIFF dark gray SILTY CLAY with some GRAVEL	2			5	1.1	22.0				
		3	0.4	10.0		7			7						
		5													
MEDIUM brown SANDY LOAM with GRAVEL	91.00	2			MEDIUM tan SANDY LOAM with GRAVEL	3			6	0.9	10.0				
		4	0.6	9.0		10			10						
		2													
SOFT tan SANDY LOAM TILL	88.50	1			STIFF tan/gray SANDY CLAY TILL	7			9	1.6	9.0				
		2	0.4	9.0		11			11						
		5													
MEDIUM tan SANDY LOAM TILL	85.50	1			STIFF gray/tan SANDY CLAY TILL	6			7	1.1	10.0				
		4	0.6	11.0		6			6						
VERY LOOSE brown SAND	83.00	1			DENSE tan fine SAND with LIMESTONE fragments	13			23						
		1				25									
		2													
SOFT black SANDY LOAM TILL	81.00	1			STIFF tan SANDY LOAM TILL with LIMESTONE fragments	13			22	1.7	8.0				
		1	0.4	18.0		19			19						
		2													
VERY STIFF black SANDY LOAM	78.50	4			VERY STIFF tan SANDY LOAM TILL	6			12	2.4	9.0				
		8	2.7	21.0		14			14						
		12													

The Unconfined Compressive Strength (UCS) Failure Mode Is Indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, form 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
IDOT

SOIL BORING LOG

Page 2 of 2
Date 4/5/04

ROUTE FA 301 DESCRIPTION P92-056-04 20th Street In Rockford over Bypass
20, 3/4 m. E. of 11th Street (IL 251) LOGGED BY C. Jenkins

SECTION 4 HB LOCATION Southwest Rockford - NE, SEC. 12, TWP. 43N, RNG. 1E

COUNTY Winnebago DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME-45 Automatic

STRUCT. NO. Station 592+32.73 Bypass, 10+00 20th St.

BORING NO. B-3a Station 8+88 Offset 8.50ft Lt CL 20th St. Ground Surface Elev. 97.50 ft

Description	Depth (ft)	Bulge (ft)	Shear (tsf)	Penetration (blows)	Soil Description	Depth (ft)	Bulge (ft)	Shear (tsf)	Penetration (blows)	Surface Water Elev.	Stream Bed Elev.	Groundwater Elev.:	First Encounter	Upon Completion	After
										ft	ft	ft	ft	ft	ft
VERY DENSE reddish/tan medium grained SAND	56.00					30			45						
						55			100/11"						
						37			PEN						
VERY DENSE reddish/tan coarse SANDY GRAVEL	53.50					42			44						
VERY DENSE tan fine grained SAND	51.00					29			38						
						54									
End of Boring															

The Unconfined Compressive Strength (UCS) Failure Mode Is Indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, form 137 (Rev. 8-99)

8/6/2020 4:18:26 PM

DESIGNED - NICHOLAS R. BARNETT	EXAMINED	DATE - AUGUST 6, 2020	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SOIL BORING LOGS STRUCTURE NO. 101 - 0188	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CHECKED - PAUL GURKLYS/CORY KOLTVEIT	PASSED	REVISOR			301	4HBR	WINNEBAGO	148	97
DRAWN - MICHAEL B. MOSSMAN		REVISOR			CONTRACT NO. 64A08				
CHECKED - PG / CDK / GRA					SHEET NO. 32 OF 34 SHEETS			ILLINOIS FED. AID PROJECT	

Illinois Department of Transportation
Division of Highways
IDOT

SOIL BORING LOG

Page 1 of 2
Date 4/21/04

ROUTE FA 301 DESCRIPTION P92-056-04 20th Street In Rockford over Bypass
20, 3/4 m. E. of 11th St. (IL 251) LOGGED BY C. Jenkins

SECTION 4 HB LOCATION Southwest Rockford - NE, SEC. 12, TWP. 43N, RNG. 1E

COUNTY Winnebago DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME-45 Automatic

STRUCT. NO. _____
Station 592+32.73 Bypass, 10+00 20th St.

BORING NO. B-4a
Station 11+13
Offset 9.50ft Rt CL
Ground Surface Elev. 101.00 ft

DEPTH ft	B ft	L ft	U ft	M ft	Description	DEPTH ft	B ft	L ft	U ft	M ft	Description	SPT Blows	Penetration ft	Remarks
0					Asphalt	0					DENSE brown SAND & GRAVEL	3		
8					MEDIUM tan SAND & GRAVEL	8						8		
29						79.00								
2					MEDIUM tan SANDY LOAM with GRAVEL	5					STIFF black SILTY LOAM	5		
2		0.5	9.0			4	1.4	19.0						
4		S				7	P							
4					Same as above	76.50								
3						25					LOOSE tan SANDY GRAVEL	7		
4		0.7	9.0			5								
4		S				5								
4					SOFT tan SANDY LOAM	74.50								
1						5					MEDIUM tan SANDY GRAVEL	5		
2		0.3	12.0			6								
2		P				9								
2					SOFT tan SANDY LOAM with some GRAVEL	71.50								
1						30					STIFF tan/pink SANDY LOAM TILL	3		
2		0.4	10.0			4	1.5	9.0						
2		P				7	S							
2					SOFT gray/black SILTY LOAM with some GRAVEL	69.50								
1						8					STIFF tan SANDY LOAM TILL	8		
2		0.3	16.0			10	1.5	8.0						
2		B				14	S							
2					MEDIUM brown/gray SANDY SILT with some GRAVEL	67.00								
0						35					Same as above	13		
2		0.6	17.0			17	1.5	7.0						
2		P				22	S							
2					MEDIUM brown SANDY LOAM	64.50								
1						16					Same as above	16		
3		0.7	16.0			14	2.0	8.0						
4		B				17	S							
4						62.00								
4						40								

The Unconfined Compressive Strength (UCS) Failure Mode is Indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, form 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
IDOT

SOIL BORING LOG

Page 2 of 2
Date 4/21/04

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SECTION 4 HB LOCATION Southwest Rockford - NE, SEC. 12, TWP. 43N, RNG. 1E

COUNTY Winnebago DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME-45 Automatic

STRUCT. NO. _____
Station 592+32.73 Bypass, 10+00 20th St.

BORING NO. B-4a
Station 11+13
Offset 9.50ft Rt CL
Ground Surface Elev. 101.00 ft

DEPTH ft	B ft	L ft	U ft	M ft	Description	DEPTH ft	B ft	L ft	U ft	M ft	Description	SPT Blows	Penetration ft	Remarks
12					HARD tan SANDY LOAM TILL	12								
17		6.7	9.0			17								
24		S				24								
24						59.50								
15					Same as above	15								
22		6.0	9.0			22								
33		S				33								
33						56.50								
11					VERY DENSE tan/gray fine SAND	11								
22						22								
41						41								
41						54.50								
15					DENSE tan fine grained SAND	15								
17						17								
22						22								
22						52.00								
20					VERY DENSE tan/orange SANDY GRAVEL	20								
34						34								
38						38								
38						49.50								
13					DENSE tan fine grained SAND	13								
17						17								
23						23								
23						47.00								
8					DENSE tan medium grained SAND	8								
18						18								
29						29								
29						44.50								
29					End of Boring	29								
29						40								

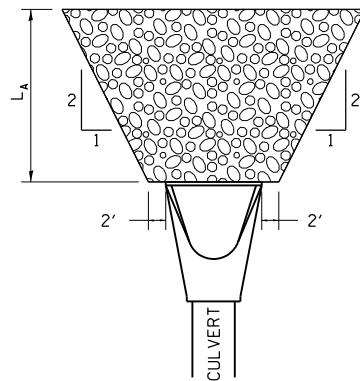
The Unconfined Compressive Strength (UCS) Failure Mode is Indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, form 137 (Rev. 8-99)

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DESIGNED - NICHOLAS R. BARNETT	EXAMINED	DATE - AUGUST 6, 2020	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SOIL BORING LOGS STRUCTURE NO. 101 - 0188	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CHECKED - PAUL GURKLYS/CORY KOLTVEIT	PASSED	REVISOR			301	4HBR	WINNEBAGO	148	98
DRAWN - MICHAEL B. MOSSMAN		REVISOR			CONTRACT NO. 64A08				
CHECKED - PG / CDK / GRA		REVISOR			ILLINOIS FED. AID PROJECT				

RIPRAP AT END SECTIONS

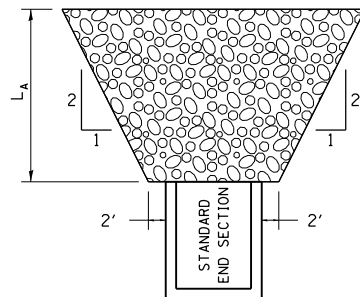


FLARED END SECTION

L_A = APRON LENGTH (ft)

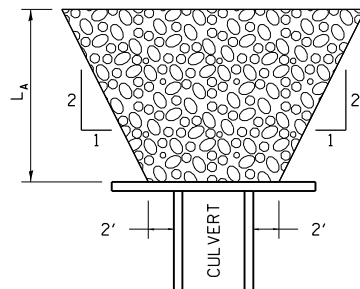
IF THE CULVERT OUTLETS INTO A DEFINED CHANNEL, RIPRAP BANK TO BANK FOR LENGTH (L_A).

STANDARD END SECTION:
542001 (PIPE), 542011 (ELLIPTICAL)
DISTRICT STANDARD 10.1 (BOX).

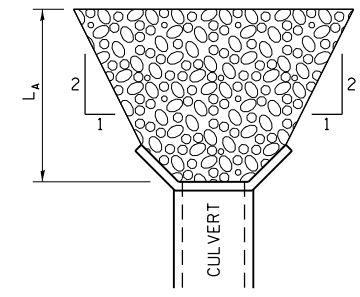


STANDARD END SECTION

REVISED - 7-13-16
REVISED - 11-12-14
REVISED - 2-10-14



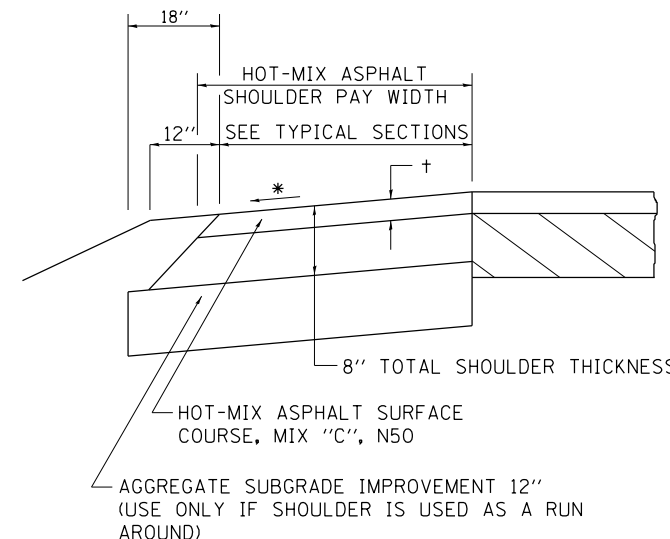
CULVERT WITH HEADWALL



CULVERT WITH WING WALLS

RIPRAP AT END SECTIONS 19.4

HOT-MIX ASPHALT SHOULDER



GENERAL NOTES

THE HOT-MIX ASPHALT SHOULDER SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION 482 EXCEPT THE TOP LIFT SHALL BE HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50. THE WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER TON FOR HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 AND SQUARE YARD FOR HOT-MIX ASPHALT SHOULDERS OF THE THICKNESS SPECIFIED.

USE HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50. WHEN RESURFACING EXISTING HOT-MIX ASPHALT SHOULDERS. THE THICKNESS IS SHOWN ON THE TYPICAL SECTIONS. THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER TON FOR HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50.

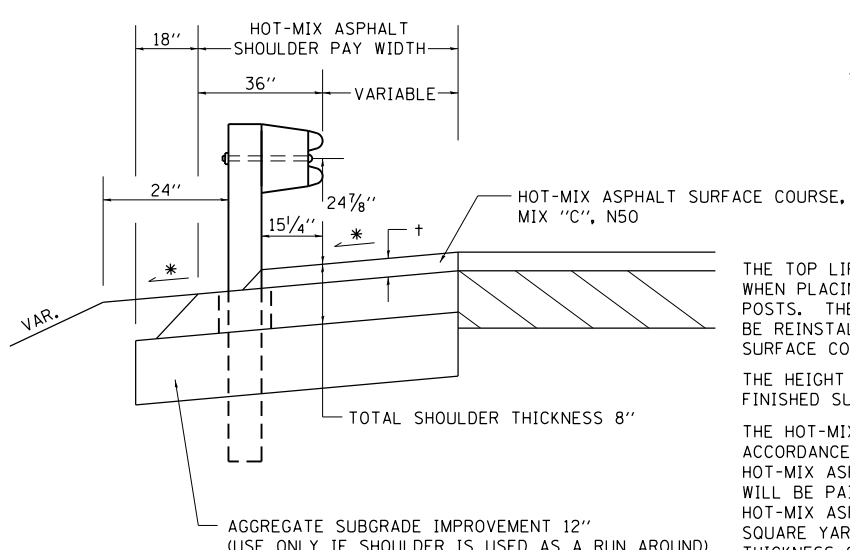
REMOVAL OF MATERIAL FOR PLACEMENT OF THE HOT-MIX ASPHALT SHOULDER TO BE PAID FOR IN UNITS FOR EXCAVATING AND GRADING EXISTING SHOULDERS OR IN CUBIC YARDS FOR EARTH EXCAVATION OR EARTH EXCAVATION WIDENING.

* 4% WHEN MAINLINE IS ON TANGENT. FOR CROSS SLOPE ON SUPERELEVATION SECTION, SEE HIGHWAY STANDARD 482001 OR 482006.

REVISED - 1-05-16
REVISED - 3-13-13

HOT-MIX ASPHALT SHOULDER 22.4

DETAIL OF HOT-MIX ASPHALT SHOULDER AT GUARDRAIL



+ = SEE TYPICAL SECTIONS FOR THICKNESS

GENERAL NOTES

THE TOP LIFT SHALL NOT BE PLACED BEHIND THE GUARDRAIL POSTS. WHEN PLACING THE TOP LIFT THE RAIL MUST BE REMOVED FROM THE POSTS. THE POST SHALL NOT BE REMOVED. THE RAIL ELEMENT SHALL BE REINSTALLED WITHIN 72 HOURS OF THE COMPLETION OF THE SURFACE COURSE.

THE HEIGHT OF THE GUARDRAIL SHALL BE SET 24 7/8" FROM THE FINISHED SURFACE.

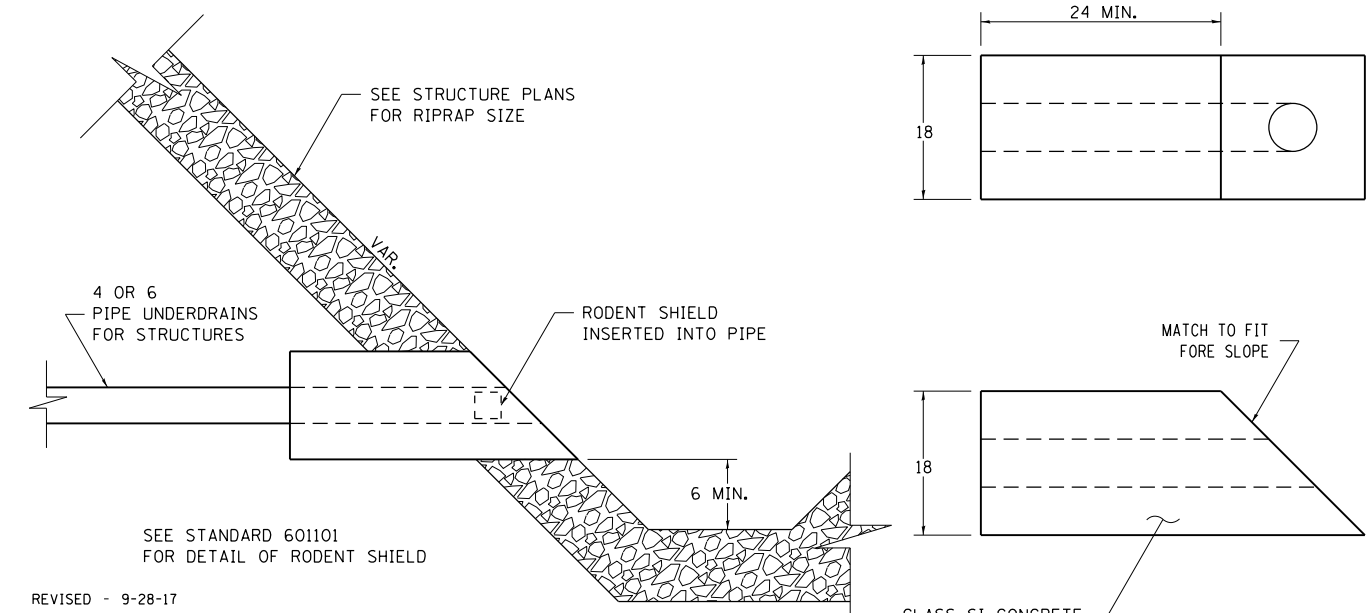
THE HOT-MIX ASPHALT SHOULDER SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION 482 EXCEPT THE TOP LIFT SHALL BE HOT-MIX ASPHALT SURFACE COURSE, MIXTURE C, N50. THE WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER TON FOR HOT-MIX ASPHALT SURFACE COURSE, MIXTURE "C", N50 AND SQUARE YARD FOR HOT-MIX ASPHALT SHOULDERS OF THE THICKNESS SPECIFIED. THE REMOVAL & REINSTALLATION OF THE GUARDRAIL WILL BE INCLUDED IN THE COST OF THE HOT-MIX ASPHALT SURFACE COURSE, MIXTURE C, N50.

* 4% WHEN MAINLINE IS ON TANGENT. FOR CROSS SLOPE ON SUPERELEVATED SECTION, SEE HIGHWAY STANDARD 482001 OR 482006.

REVISED - 1-05-16
REVISED - 6-27-14
REVISED - 8-27-13
REVISED - 3-13-13

DETAIL OF HOT-MIX ASPHALT SHOULDER AT GUARDRAIL 23.4

CONCRETE HEADWALLS FOR PIPE UNDERDRAINS FOR STRUCTURES



REVISED - 9-28-17
REVISED - 11-12-14
REVISED - 10-03-11

CONCRETE HEADWALLS FOR PIPE UNDERDRAINS FOR STRUCTURES 27.4

FILE NAME = S:\Projects\2013 Jobs\13-57 ESCA PTB 169 ITEM 23 D2 VARIOUS PH I-17\NO 5 - 20th St over US 20\CADD\CADD Sheets\0264408-sht-detailed-02.dgn PLOT DATE = 6/12/2020

REVISED -	REGION 2 / DISTRICT 2 STANDARD				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
REVISED -	SCALE:	SHEET NO. 1 OF 19 SHEETS	STA.	TO STA.	301	4-HBR	WINNEBAGO	148	100
REVISED -					CONTRACT NO. 64A08				
REVISED -					FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				