

03-09-12 LETTING ITEM 015

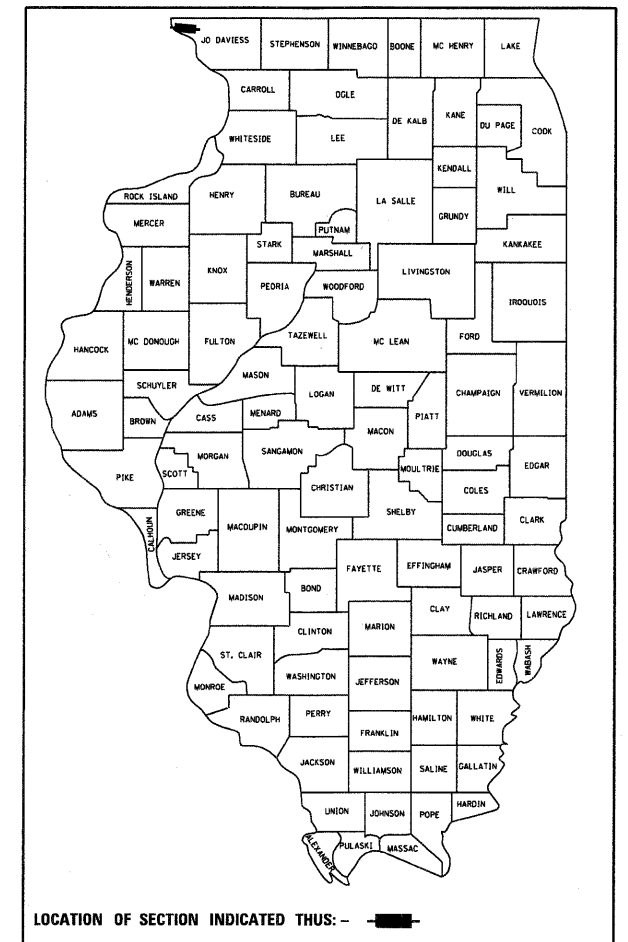
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

**PROPOSED
HIGHWAY PLANS**

FAP ROUTE 301 (US 20)
SECTION (43B, 44B, 44HB, 45B)D
PROJECT: **ACNHF-ACBHF-0301(071)**
BRIDGE DECK REPLACEMENT
JO DAVIESS COUNTY
C-92-126-10

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	.	JO DAVIESS	309	1

D-92-032-07



INDEX OF SHEETS
SEE SHEET NO. 2

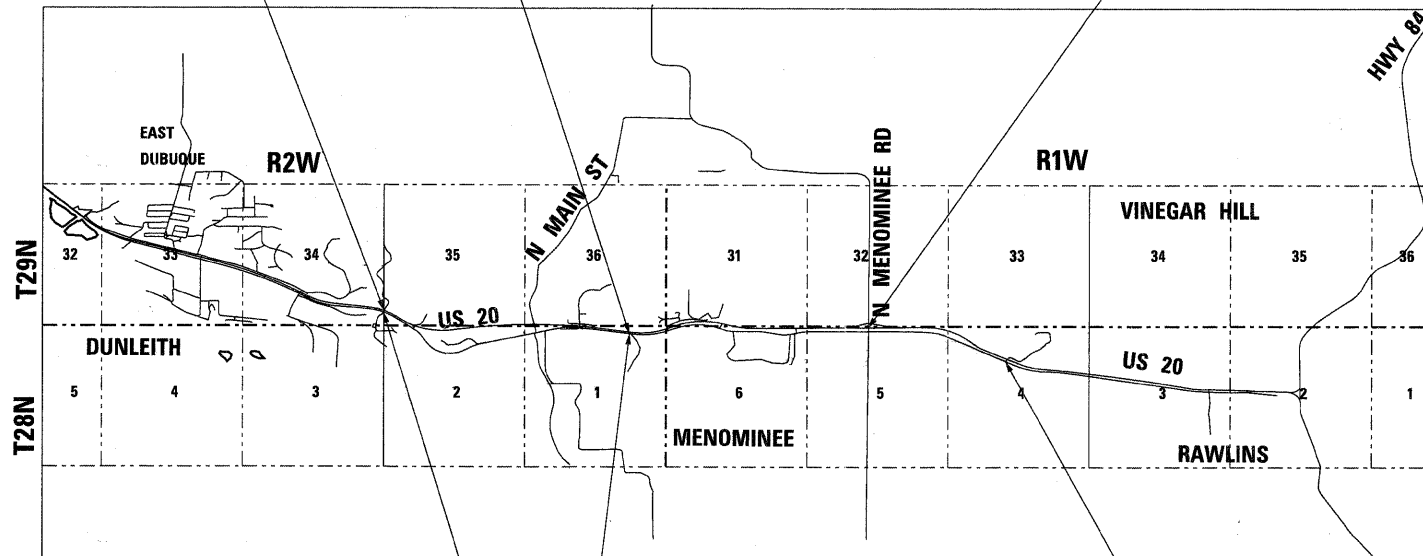
**DECK REPLACEMENT
OVER LITTLE MEMONINEE RIVER**
STA. 328 + 90.74 (WB)
SN 043-0005
PROJECT BEGINS STA. 324 + 82
PROJECT ENDS STA. 338 + 08

**DECK REPLACEMENT
OVER MEMONINEE RIVER**
STA. 225 + 31.03 (WB)
SN 043-0003
PROJECT BEGINS STA. 222 + 40
PROJECT ENDS STA. 229 + 69

**DECK REPLACEMENT
OVER MEMONINEE ROAD**
STA. 414 + 42.31 (WB)
SN 043-0006
PROJECT BEGINS STA. 412 + 90
PROJECT ENDS STA. 419 + 11

HIGHWAY STANDARDS
SEE SHEET NO. 2

DISTRICT 2 STANDARDS
SEE SHEET NO. 2

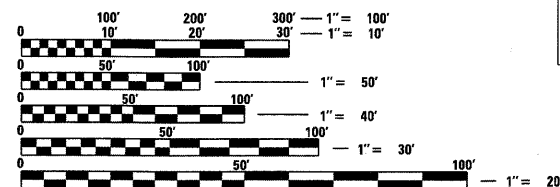


GROSS LENGTH = 5,652.00 FT. = 1.08 MILE
NET LENGTH = 5,652.00 FT. = 1.08 MILE

**DECK REPLACEMENT
OVER MEMONINEE RIVER**
STA. 225 + 91.23 (EB)
SN 043-0002
PROJECT BEGINS STA. 221 + 04
PROJECT ENDS STA. 228 + 60.00

**DECK REPLACEMENT OVER
LITTLE MEMONINEE RIVER**
STA. 337 + 15.59 (EB)
SN 043-0004
IMPROVEMENT BEGINS STA. 332 + 72
PROJECT BEGINS STA. 333 + 11.50
PROJECT /IMPROVEMENT ENDS STA. 344 + 33

**DECK REPLACEMENT
OVER SINSINAWA RIVER**
STA. 487 + 04.59 (EB)
SN 043-0007
PROJECT BEGINS STA. 482 + 06
PROJECT ENDS STA. 492 + 42



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: MASOOD AHMAD
PROJECT MANAGER: SAMEER ABDULLAH (815) 284-5935
CONTRACT NO. 64C94
CATALOG NO.

WHKS & CO.
ENGINEERING
1701 ROUTE 35 NORTH
EAST DUBUQUE, IL 61025
(815) 747-8833
DESIGN FIRM #184001036



James A. Colbrooke, Jr. 12-1-11
Expires: 11/30/2013

FUNCTIONAL CLASSIFICATION:
OTHER PRINCIPAL ARTERIAL
DESIGN SPEED: 65 MPH
POSTED SPEED: 65 MPH
ADT: 10,025 (2012); 14,200 (2032)
14.7% TRUCKS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED Dec 12 2011
Eric S. Thibault
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

February 3, 2012
John D. Bauannelli, P.E.
ENGINEER OF DESIGN AND ENVIRONMENT

February 3, 2012
William B. Frey, Jr.
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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

CONSULTANT: TONY ZELINSKAS (815) 747-8833

PROJECT ENGINEER: MASOOD AHMAD

DISTRICT TWO - BUREAU OF DESIGN
SENIOR SQUAD LEADER: SAMEER ABDULLAH (815) 284-5935

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HIGHWAY STANDARDS

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- 001001-02 AREAS OF REINFORCEMENT BARS
- 001006 DECIMAL OF AN INCH AND OF A FOOT
- 280001-06 TEMPORARY EROSION CONTROL SYSTEMS
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- 642001-02 SHOULDER RUMBLE STRIPS, 16 IN.
- 701101-02 OFF-ROAD OPERATIONS, MULTILANE, 15' (4.5m) TO 24" (600 mm) FROM PAVEMENT EDGE
- 701106-02 OFF-ROAD OPERATIONS, MULTILANE, MORE THAN 15' (4.5m) AWAY
- 701400-05 APPROACH TO LANE CLOSURE, FREEWAY/EXPRESSWAY
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- 701402-09 LANE CLOSURE, FREEWAY/EXPRESSWAY, WITH BARRIER
- 701406-06 LANE CLOSURE, FREEWAY/EXPRESSWAY, DAY OPERATIONS ONLY
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DISTRICT 2 STANDARDS

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- 66.2 WITNESS MARKER & PERMANENT SURVEY MARKERS, TYPE II
- 91.2 ROUGH GROOVED SURFACE SIGN
- 92.1 DETAILS OF PLANTING AND BRACING TREES

USER NAME = gjameson	DESIGNED -	REVISED -		1701 ROUTE 35 NORTH EAST DUBUQUE, IL 61025 (815) 747-8833 DESIGN FIRM #184001036	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	US 20 INDEX OF SHEETS AND STANDARDS	F.A.P. RTE. 301	SECTION (43B,44B,44HB,45B)D	COUNTY JO DAVIESS	TOTAL SHEETS 309	SHEET NO. 2	
FILE NAME = Z03207HWYSTD.dgn	CHECKED -	REVISED -		CONTRACT NO. 64C94				ILLINOIS FED. AID PROJECT				
PLOT DATE = 12/6/2011	DRAWN -	REVISED -										
PLOT TIME = 10:17:02 AM	CHECKED -	REVISED -										

GENERAL NOTES

- SEE CROSS SECTIONS FOR SPECIAL DITCHES AND BACKSLOPES.
- ALL SAW CUTS NECESSARY TO COMPLETE THE WORK AS DETAILED IN THE PLANS SHALL BE INCLUDED IN THE COST OF THE VARIOUS PAY ITEMS.
- ALL BORROW/WASTE/USE SITES MUST BE APPROVED BY THE DEPARTMENT PRIOR TO REMOVING ANY MATERIAL FROM THE PROJECT OR INITIATING ANY EARTHMOVING ACTIVITIES, INCLUDING TEMPORARY STOCKPILING OUTSIDE THE LIMITS OF CONSTRUCTION.
- THE CONTRACTOR SHALL SEED ALL DISTURBED AREAS WITHIN THE PROJECT LIMITS. SEEDING CLASS 4 OR 2A SHALL BE USED, EXCEPT IN FRONT OF PROPERTIES WHERE THE GROSS WILL BE MOWED. THEN USE SEEDING, CLASS 1. CLASS 2A SHALL BE USED ON FRONT SLOPES AND DITCH BOTTOMS. CLASS 4 SHALL BE USED BEHIND TYPE A GUTTER, ON ALL BACKSLOPES AND AREAS BEHIND THE BACKSLOPE, AND BEYOND THE TOE OF FRONT SLOPE ON FILL SECTIONS WITHOUT DITCHES.
- PLACE LEVELING BINDER (MACHINE METHOD) ON CURVES TO ATTAIN ADDITIONAL SUPERELEVATION AS INDICATED ON THE TYPICAL SECTION. THE CURVES REQUIRING SUCH TREATMENT ARE INCLUDED IN THE SCHEDULES. ESTIMATED TOTAL 140 TONS.
- THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT:

MIXTURE USES(S):	SURFACE	LEVELING BINDER	TOP SHOULDER	BOTTOM SHOULDER
PG:	PG 64-22	PG 64-22	PG 58-22	PG 58-22
DESIGN AIR VOIDS	4.0 @ N70	4.0 @ N70	3.0 @ N50	2.0 @ N50
MIXTURE COMPOSITION (GRADATION MIXTURE)	IL 9.5 OR 12.5	IL 9.5	IL 9.5 OR 12.5	BAM OR IL 19.0
FRICITION AGGREGATE	D	N/A	C	N/A
20 YEAR ESAL	6.3	6.3	N/A	N/A
MIX UNIT WEIGHT	112 LBS/SY/IN		112 LBS/SY/IN	

- THE CONTRACTOR WILL BE REQUIRED TO FURNISH 5 1/2" HIGH BRASS STENCILS AS APPROVED BY THE ENGINEER AND INSTALL STATIONING AT 250' INTERVALS. STATIONING SHALL BE PLACED ON BOTH LANES OF 2-LANE HIGHWAYS AND ON THE OUTSIDE LANES IN BOTH DIRECTIONS ON 4-LANE HIGHWAYS. THE STATIONS SHALL BE PLACED 6" INSIDE THE PAVEMENT MARKING EDGE SO THEY CAN BE READ FROM THE SHOULDER. THIS WORK WILL BE INCLUDED IN THE COST OF THE FINAL PAVEMENT SURFACE.
- THE AREA TO BE PRIMED SHALL BE LIMITED TO THAT WHICH CAN BE COVERED WITH HMA ON THE NEXT DAYS PRODUCTIVITY BUT NO MORE THAN FIVE DAYS IN ADVANCE OF THE PLACEMENT OF THE HMA, UNLESS APPROVED BY THE ENGINEER.
- INSTALL RUMBLE STRIPS IN ALL SHOULDERS IN ACCORDANCE WITH STATE STANDARD 642001. RUMBLE STRIPS SHALL BE PLACED ON SHOULDERS ON BOTH SIDES OF THE PAVEMENT.
- FERTILIZER NUTRIENTS SHALL BE APPLIED AT THE RATE SPECIFIED IN SECTIONS 250 AND 252 OF THE STANDARD SPECIFICATIONS. THIS SHALL BE INCLUDED IN THE COST OF SEEDING, CLASS 2A AND SEEDING, CLASS 4.
- THESE STRUCTURES WILL RETAIN THE SAME NUMBER: 043-0002, 043-0003, 043-0004, 043-0005, 043-0006 AND 043-0007.
- REFLECTOR MARKERS TYPE B SHALL BE INSTALLED ON THE TOP OF BRIDGE PARAPET WALLS. THE MARKERS SHALL BE ACCORDING TO STANDARD 635011 AND THE COLOR AND SPACING ACCORDING TO STANDARD 635006, EXCEPT THE MINIMUM IS 2 PER SIDE.
- CULVERT AND BRIDGE FLOWS MUST BE MAINTAINED THROUGHOUT THE PROJECT. NORMAL FLOW SHALL BE ALLOWED TO PASS AT THE RATE IT ENTERS THE JOBSITE. HIGH FLOWS SHALL BE ALLOWED TO PASS WITHOUT CAUSING DAMAGE TO UPSTREAM PROPERTIES.
- THE PROPOSED PIPES FOR ENTRANCES AND SIDE ROADS SHALL BE PLACED IN LINE WITH THE EXISTING OR PROPOSED DITCH LINE.
- CONNECTING BANDS FOR CORRUGATED METAL PIPES SHALL BE METAL AND SHALL BE COATED WITH THE SAME MATERIAL AS THE PIPE SECTIONS. THE CONNECTING BANDS SHALL BE A MINIMUM OF 18" WIDE.
- ALL FRAMES AND GRATES OF DRAINAGE STRUCTURES TO BE REMOVED OR FILLED SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.
- LATERAL DISTANCES FROM THE CENTERLINE ON ALL INLETS ARE TO THE FACE OF THE INLET.

- EMBANKMENT QUANTITIES FOR THE CONSTRUCTION OF THE TRAFFIC BARRIER TERMINALS AS SHOWN IN THE PLANS ARE INCLUDED IN QUANTITY FOR EARTH EXCAVATION.
- THE CONTRACTOR SHALL SUPPLY THE RESIDENT ENGINEER WITH THE MANUFACTURER'S INSTALLATION REQUIREMENTS FOR THE TYPE OF TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT OR TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) FLARED.
- 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, (SPECIAL).
- DELINEATORS SHALL BE INSTALLED AS SHOWN IN STANDARD 635001, EXCEPT THAT THE POST SHALL 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.
- 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.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING UTILITY PROPERTY DURING CONSTRUCTION OPERATIONS AS OUTLINED IN ARTICLE 107.31 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:

NICOR GAS

FOLLOWING ARE THE KNOWN UTILITIES WITHIN THE PROJECT LIMITS OR IMMEDIATELY ADJACENT TO THE PROJECT CONSTRUCTION LIMITS WHICH ARE NOTE MEMBERS OF JULIE AND SHOULD BE NOTIFIED INDIVIDUALLY BY THE CONTRACTOR: _____

- THE APPLICABLE PORTIONS OF ARTICLE 105.07 OF THE STANDARD SPECIFICATION SHALL APPLY EXCEPT FOR THE FOLLOWING: THE CONTRACTOR SHALL BE RESPONSIBLE TO LOCATE THE VERTICAL DEPTHS OF THE UNDERGROUND UTILITIES WHICH MAY INTERFERE WITH CONSTRUCTION OPERATIONS. THIS WORK WILL NOT BE MEASURED OR PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICE FOR THE ITEM OF CONSTRUCTION INVOLVED.

PER SB 699 (90 DAY UTILITY RELOCATION LAW), ONCE RIGHT-OF-WAY IS CLEAR TO AWARD THE PROJECT, A NOTICE WILL BE SENT TO THE UTILITY COMPANIES INSTRUCTING THEM TO HAVE THEIR FACILITIES RELOCATED WITHIN 90 DAYS. ESTIMATED DATE RELOCATION COMPLETE = AWARD DATE + 100 DAYS

- CADD DATA WILL BE AVAILABLE TO CONTRACTORS AND CONSULTANTS WORKING ON THIS PROJECT. THIS INFORMATION WILL BE PROVIDED UPON REQUEST AS MICROSTATION CADD FILES AND GEOPAK COORDINATE GEMOETRY FILES ONLY. IF DATA IS REQUIRED IN OTHER FORMATS IT WILL BE YOUR RESPONSIBILITY TO MAKE THESE CONVERSIONS. IF ANY DISCREPANCY OR INCONSISTENCY ARISES BETWEEN THE ELECTRONIC DATA AND THE INFORMATION O THE HARD COPY, THE INFORMATION ON THE HARD COPY SHOULD BE USED. CONTACT THE DISTRICT'S PROJECT ENGINEER TO REQUEST THESE FILES.
- THE CONTRACTOR SHALL SUBMIT FOUR COPIES OF THE REQUIRED SHOP DRAWINGS FOR REVIEW AND APPROVAL TO THE BUREAU OF BRIDGES AND STRUCTURES, 2300 SOUTH DIRKSEN PARKWAY, SPRINGFIELD, IL 62764. AFTER APPROVAL OF THE INITIAL SUBMITTAL, THE CONTRACTOR SHALL SUBMIT ONE SET OF SHOP DRAWINGS TO DAVE LIPPERT, ENGINEER OF MATERIALS, 126 EAST ASH STREET, SPRINGFIELD, IL 62706, AND EIGHT (8) SETS OF SHOP DRAWINGS TO BE DISTRIBUTED TO:

DISTRICT 2 DISTRICT ENGINEER (1)
FABRICATOR (1)
CONTRACTOR (2)
RESIDENT ENGINEER (2)
DISTRICT 2 BUREAU OF MATERIALS (2)
- CONSTRUCTION EQUIPMENT SHALL BE STAGED ON PAVED SURFACES. CONTRACTOR SHALL NOT BE ALLOWED TO WORK FROM THE WATERWAY.
- 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 2 EACH.

GENERAL NOTES

- 29. PERMANENT SURVEY MARKERS, TYPE II SHALL BE CAST-IN-PLACE AS SHOWN ON DISTRICT STANDARD 66.2. OPTION 2 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.
- 30. THE CONTRACTOR SHALL STRAIGHTEN OR CUT OFF THE ENDS OF EXISTING ENTRANCE CULVERTS THAT WILL HAVE NEW METAL END SECTIONS INSTALLED. THE COST OF THIS WILL BE INCLUDED IN THE CONTRACT UNIT PRICE EACH FOR END SECTIONS OF THE SIZE SPECIFIED.
- 31. THE PERMANENT SURVEY MARKERS, IF POSSIBLE, SHALL BE INSTALLED AT THE BEGINNING OF THE JOB AND PROTECTED THROUGHOUT.
- 32. 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 LEVELS 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.
- 33. THE TEMPORARY CONCRETE BARRIER SHALL BE ANCHORED TO THE PAVEMENT WITH 6 ANCHORS PER SECTION AT THE FOLLOWING LOCATIONS:

SN 043-0002
 STA. 224+80.34 TO STA. 225+31.02 (EB)
 STA. 226+57.72 TO STA. 226+95.73 (EB)

SN 043-0003
 STA. 224+29.27 TO STA. 224+67.28 (WB)
 STA. 226+06.65 TO STA. 226+44.66 (WB)

SN 043-0004
 STA. 335+80.34 TO STA. 336+05.68 (EB)
 STA. 338+21.07 TO STA. 338+59.08 (EB)

SN 043-0005
 STA. 327+50.92 TO STA. 327+88.93 (WB)
 STA. 329+91.65 TO STA. 330+29.66 (WB)

SN 043-0006
 STA. 413+43.93 TO STA. 413+69.27 (WB)
 STA. 415+08.64 TO STA. 415+46.65 (WB)

SN 043-0007
 STA. 485+55.34 TO STA. 485+93.35 (EB)
 STA. 488+21.41 TO STA. 488+46.75 (EB)

- 34. TREE PLANTING LAYOUT SHALL BE PERFORMED BY THE DISTRICT LANDSCAPE ARCHITECT. MULCH SHALL BE PLACED 4" THICK AND TO THE DIAMETER AROUND THE TREE AS SHOWN ON DISTRICT 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.
- 35. TEMPORARY IMPACT ATTENUATORS WILL BE MEASURED AS EACH FOR EACH ATTENUATOR SUPPLIED ON THE JOB AS SPECIFIED IN THE PLANS, AND SHALL INCLUDE THE COST OF RENTING/OWNING THE ATTENUATOR FOR THE TIME REQUIRED ON THE JOB PLUS HAULING TO AND FROM THE PROJECT SITE, AS WELL AS ONE PLACEMENT AND REMOVAL FROM THE ROADWAY. THIS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER EACH FO IMPACT ATTENUATORS, TEMPORARY OF THE TYPE SPECIFIED.

RELOCATE TEMPORARY IMPACT ATTENUATORS WILL BE PAID FOR AS EACH AND WILL BE PAID FOR EACH TIME THE ATTENUATOR IS REQUIRED BY STAGING TO BE PICKED UP AND MOVED TO A DIFFERENT LOCATION ON THE PROJECT, WHETHER IT IS TO ANOTHER LOCATION ON THE ROADWAY OR TO A STORAGE/STAGING LOCATION FOR THE PROJECT. THIS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER EACH FOR IMPACT ATTENUATORS, RELOCATE OF THE TYPE SPECIFIED.

- 36. THIS WORK SHALL BE DONE IN ACCORDANCE WITH SECTION 704 OF THE STANDARD SPECIFICATIONS. TEMPORARY CONCRETE BARRIER WILL BE MEASURED IN FEET ALONG THE CENTERLINE O THE BARRIER AND SHALL INCLUDE THE COST OF RENTING/OWNING THE BARRIER FOR THE TIME REQUIRED ON THE JOB PLUS HAULING TO AND FROM THE PROJECT SITE, AS WELL AS ONE PLACEMENT AND REMOVAL FROM THE ROADWAY IN ACCORDANCE WITH SECTION 704, OF THE STANDARD SPECIFICATION. THIS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER FOOT FOR TEMPORARY CONCRETE BARRIER.

USER NAME = g_jameson	DESIGNED -	REVISED -
FILE NAME = ZB3287GEN-SHT.dgn	CHECKED -	REVISED -
PLOT DATE = 12/6/2011	DRAWN -	REVISED -
PLOT TIME = 10:17:08 AM	CHECKED -	REVISED -

WHKS & CO.
ENGINEERING

1701 ROUTE 35 NORTH
 EAST DUBUQUE, IL 61025
 (815) 747-8833
 DESIGN FIRM #184001036

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 20	
GENERAL NOTES	
SCALE: NTS	SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	(43B,44B,44HB,45B)D	JO DAVIESS	309	4
CONTRACT NO. 64C94				
ILLINOIS FED. AID PROJECT				

CODE NUMBER	DESCRIPTION	UNIT	TOTAL QUANTITY	ACNHF		ACDHF			
				80% FED / 20% STATE		80% FED / 20% STATE			
				ROADWAY 0004		BRIDGE 0014			
				SN 043-0002 SN 043-0003	SN 043-0004 SN 043-0005	SN 043-0006	SN 043-0007		
20100500	TREE REMOVAL, ACRES	ACRE	0.50	0.50					
20200100	EARTH EXCAVATION	CU YD	865	865					
* 21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	5,700	5,700					
* 21400100	GRADING AND SHAPING DITCHES	FOOT	300	300					
* 25000210	SEEDING, CLASS 2A	ACRE	1.25	1.25					
Δ 25000750	MOWING	ACRE	1.25	1.25					
* 25100630	EROSION CONTROL BLANKET	SQ YD	5,505	5,505					
* 28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	375	375					
* 28000305	TEMPORARY DITCH CHECKS	FOOT	8	8					
28000400	PERIMETER EROSION BARRIER	FOOT	8,447	8,447					
28000500	INLET AND PIPE PROTECTION	EACH	6	6					
28100107	STONE RIPRAP, CLASS A4	SQ YD	46	46					
28100109	STONE RIPRAP, CLASS A5	SQ YD	12,803		3,420	7,282		2,101	
28200200	FILTER FABRIC	SQ YD	12,849	46	3,420	7,282		2,101	
35101400	AGGREGATE BASE COURSE, TYPE B	TON	7	7					
40600200	BITUMINOUS MATERIALS (PRIME COAT)	TON	9	9					
40600300	AGGREGATE (PRIME COAT)	TON	46	46					
40600635	LEVELING BINDER (MACHINE METHOD), N70	TON	148	148					
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	481	481					
40600990	TEMPORARY RAMPS	SQ YD	853	853					
40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	1,608	1,608					
40603340	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	1,273	1,273					
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	2	2					
42001420	BRIDGE APPROACH PAVEMENT CONNECTOR (PCC)	SQ YD	419	419					
44000100	PAVEMENT REMOVAL	SQ YD	271	271					
44000157	HOT-MIX ASPHALT SURFACE REMOVAL 2"	SQ YD	14,568	14,568					
44000300	CURB REMOVAL	FOOT	230	230					

* SPECIALTY ITEM
Δ 100% STATE

USER NAME = #OPERATOR#	DESIGNED -	REVISED -
FILE NAME = #FILES#	CHECKED -	REVISED -
PLOT DATE = Thu Dec 08 14:12:26	DRAWN -	REVISED -
PLOT TIME = #TIME#	CHECKED -	REVISED -

WHKS & CO.
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1701 ROUTE 35 NORTH
EAST DUBUQUE, IL 61025
(815) 747-8833
DESIGN FIRM #184001036

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**US 20
SUMMARY OF QUANTITIES**

SCALE: NTS SHEET NO. 1 OF 5 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	(43B,44B,44HB,45B)D	JO DAVIESS	309	5
ILLINOIS FED. AID PROJECT			CONTRACT NO. 64C94	

CODE NUMBER	DESCRIPTION	UNIT	TOTAL QUANTITY	ACNHF	ACBHF			
				80% FED	80% FED / 20% STATE			
				20% STATE	BRIDGE 0014			
				ROADWAY 0004	SN 043-0002 SN 043-0003	SN 043-0004 SN 043-0005	SN 043-0006	SN 043-0007
44000400	GUTTER REMOVAL	FOOT	38	38				
44004000	PAVED DITCH REMOVAL	FOOT	14	14				
44004250	PAVED SHOULDER REMOVAL	SQ YD	2,150	2,150				
48101200	AGGREGATE SHOULDERS, TYPE B	TON	64	64				
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	45	45				
48203029	HOT-MIX ASPHALT SHOULDERS, 8"	SQ YD	4,815	4,815				
50102400	CONCRETE REMOVAL	CU YD	167.8		54.0	51.4	32.4	30.0
50104400	CONCRETE HEADWALL REMOVAL	EACH	2	2				
50104650	SLOPE WALL REMOVAL	SQ YD	7,036		2,023	3,342	400	1,271
50104701	REMOVAL OF EXISTING CONCRETE DECK NO. 1	EACH	2		2			
50104702	REMOVAL OF EXISTING CONCRETE DECK NO. 2	EACH	2			2		
50104703	REMOVAL OF EXISTING CONCRETE DECK NO. 3	EACH	1				1	
50104704	REMOVAL OF EXISTING CONCRETE DECK NO. 4	EACH	1					1
50105220	PIPE CULVERT REMOVAL	FOOT	208	208				
50157300	PROTECTIVE SHIELD	SQ YD	250				250	
50200100	STRUCTURE EXCAVATION	CU YD	1,200		410	405	174	211
50300225	CONCRETE STRUCTURES	CU YD	322.1		118.0	78.7	37.6	87.8
50300255	CONCRETE SUPERSTRUCTURE	CU YD	2,141.8		606.3	810.6	337.1	387.8
50300260	BRIDGE DECK GROOVING	SQ YD	5,134		1,368	1,936	836	994
50300300	PROTECTIVE COAT	SQ YD	6,358		1,726	2,440	957	1,235
50500405	FURNISHING AND ERECTING STRUCTURAL STEEL	POUND	28,420		9,100	10,200	4,500	4,620
50500505	STUD SHEAR CONNECTORS	EACH	17,622		5,148	6,516	2,466	3,492
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	500,320		139,920	183,120	79,880	97,400
50800515	BAR SPLICERS	EACH	4,653		1,338	1,688	732	895
51100100	SLOPE WALL 4 INCH	SQ YD	400				400	
51500100	NAME PLATES	EACH	6		2	2	1	1
52000110	PREFORMED JOINT STRIP SEAL	FOOT	80					80
52100010	ELASTOMERIC BEARING ASSEMBLY, TYPE I	EACH	60		24	24	12	
52100020	ELASTOMERIC BEARING ASSEMBLY, TYPE II	EACH	12					12
52100510	ANCHOR BOLTS, 3/4"	EACH	48					48

* SPECIALTY ITEM
 Δ 100% STATE

USER NAME = #OPERATOR#	DESIGNED -	REVISED -
FILE NAME = #FILES#	CHECKED -	REVISED -
PLOT DATE = Thu Dec 08 14:12:42	DRAWN -	REVISED -
PLOT TIME = #TIME#	CHECKED -	REVISED -

W H K S & CO.
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 1701 ROUTE 35 NORTH
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**US 20
 SUMMARY OF QUANTITIES**

SCALE: NTS SHEET NO. 2 OF 5 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	(43B,44B,44HB,45B/D)	JO DAVIESS	309	6
CONTRACT NO. 64C94			Rev.	
ILLINOIS FED. AID PROJECT				

CODE NUMBER	DESCRIPTION	UNIT	TOTAL QUANTITY	ACNHF	ACBHF			
				80% FED	80% FED / 20% STATE			
				20% STATE	BRIDGE 0014			
				ROADWAY 0004	SN 043-0002 SN 043-0003	SN 043-0004 SN 043-0005	SN 043-0006	SN 043-0007
52100520	ANCHOR BOLTS, 1"	EACH	120		48	48	24	
542D0229	PIPE CULVERTS, CLASS D, TYPE 1 24"	FOOT	183	183				
54213663	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18"	EACH	2	2				
54215547	METAL END SECTIONS 12"	EACH	7	7				
54215559	METAL END SECTIONS 24"	EACH	4	4				
54215565	METAL END SECTIONS 30"	EACH	1	1				
54215583	METAL END SECTIONS 48"	EACH	1	1				
587C0300	CONCRETE SEALER	SQ FT	604					604
59100100	GEOCOMPOSITE WALL DRAIN	SQ YD	288		108	80	50	50
60100945	PIPE DRAINS 12"	FOOT	328	328				
60900515	CONCRETE THRUST BLOCKS	EACH	8	8				
* 63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	4,175	4,175				
* 63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	3	3				
* 63100070	TRAFFIC BARRIER TERMINAL, TYPE 5	EACH	3	3				
* 63100085	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	11	11				
* 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	2	2				
* 63100169	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) FLARED	EACH	9	9				
63200310	GUARDRAIL REMOVAL	FOOT	3,134	3,134				
* 63301210	REMOVE AND REERECT STEEL PLATE BEAM GUARDRAIL, TYPE A	FOOT	25	25				
* 63302700	REMOVE AND REERECT TRAFFIC BARRIER TERMINALS, TYPE 6	EACH	1	1				
63500105	DELINEATORS	EACH	27	27				
64200116	SHOULDER RUMBLE STRIPS, 16 INCH	FOOT	9,026	9,026				
66700305	PERMANENT SURVEY MARKERS, TYPE II	EACH	2	2				
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	8	8				
67100100	MOBILIZATION	L SUM	1	1				
70100207	TRAFFIC CONTROL AND PROTECTION, STANDARD 701402	EACH	6	6				

* SPECIALTY ITEM
 Δ 100% STATE

USER NAME = #OPERATOR#	DESIGNED -	REVISED -
FILE NAME = #FILES#	CHECKED -	REVISED -
PLOT DATE = Thu Dec 08 14:13:01	DRAWN -	REVISED -
PLOT TIME = #TIME#	CHECKED -	REVISED -

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**US 20
 SUMMARY OF QUANTITIES**

SCALE: NTS SHEET NO. 3 OF 5 SHEETS STA. TO STA.

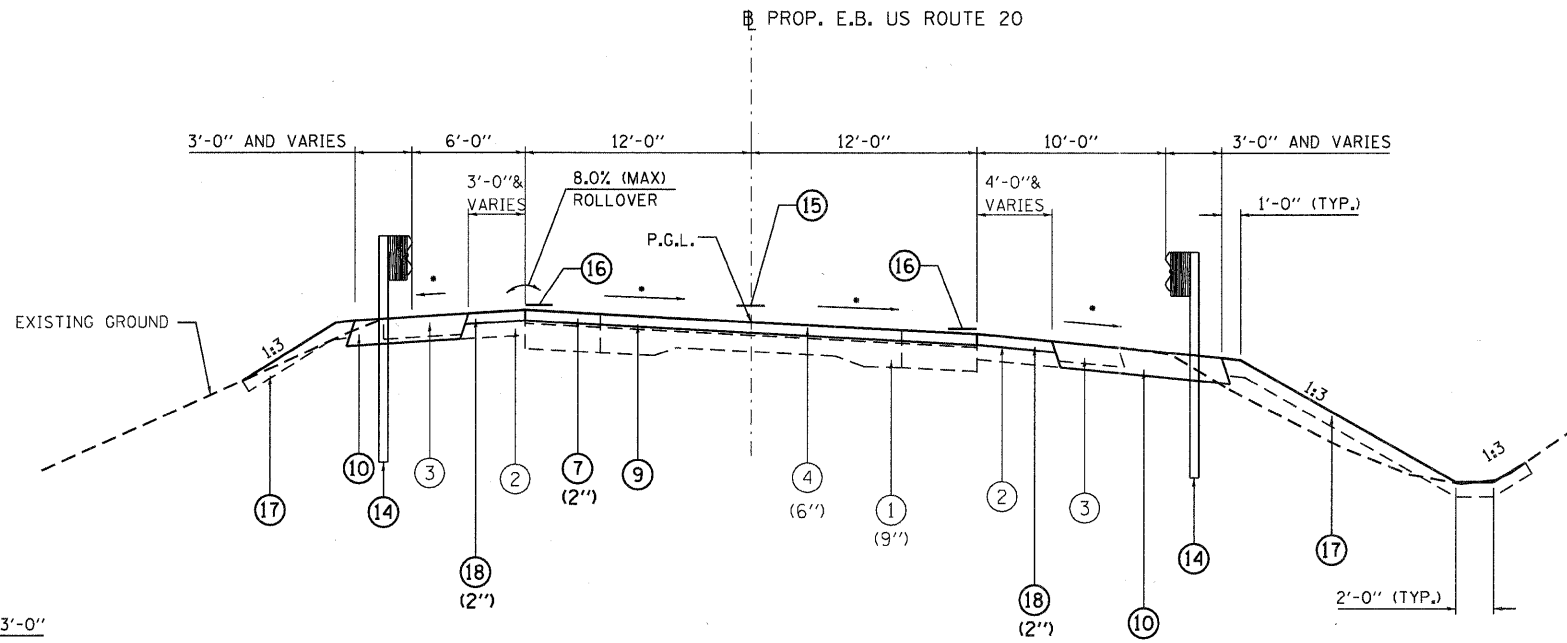
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	(43B,44B,44HB,45B/D)	JO DAVIESS	309	7
ILLINOIS FED. AID PROJECT			CONTRACT NO. 64C94	

CODE NUMBER	DESCRIPTION	UNIT	TOTAL QUANTITY	ACNHF		ACBHF			
				80% FED / 20% STATE		80% FED / 20% STATE			
				ROADWAY 0004		BRIDGE 0014			
				SN 043-0002 SN 043-0003	SN 043-0004 SN 043-0005	SN 043-0006	SN 043-0007		
70100420	TRAFFIC CONTROL AND PROTECTION, STANDARD 701411	EACH	2	2					
70100700	TRAFFIC CONTROL AND PROTECTION, STANDARD 701406	L SUM	1	1					
70100800	TRAFFIC CONTROL AND PROTECTION, STANDARD 701401	L SUM	1	1					
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	24	24					
70300100	SHORT TERM PAVEMENT MARKING	FOOT	1,264	1,264					
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	32,390	32,390					
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	11,220	11,220					
70400100	TEMPORARY CONCRETE BARRIER	FOOT	2,838	2,838					
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	2,838	2,838					
* 78008210	POLYUREA PAVEMENT MARKING TYPE 1 - LINE 4"	FOOT	12,087	12,087					
* 78008230	POLYUREA PAVEMENT MARKING TYPE 1 - LINE 6"	FOOT	2,850	2,850					
* 78008240	POLYUREA PAVEMENT MARKING TYPE 1 - LINE 8"	FOOT	160	160					
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	71	71					
* 78200410	GUARDRAIL MARKERS, TYPE A	EACH	55	55					
* 78200520	BARRIER WALL MARKERS, TYPE B	EACH	24	24					
* 78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	11	11					
78300100	PAVEMENT MARKING REMOVAL	SQ FT	4,438	4,438					
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	70	70					
Z0001899	JACK AND REMOVE EXISTING BEARINGS	EACH	72		24	24	12	12	
Z0001903	STRUCTURAL STEEL REMOVAL	POUND	18,210		5,170	5,940	3,730	3,370	
Z0004552	APPROACH SLAB REMOVAL	SQ YD	960	960					
Z0007101	CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES NO. 1	L SUM	1		1				
Z0007102	CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES NO. 2	L SUM	1			1			
Z0007103	CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES NO. 3	L SUM	1				1		
Z0007104	CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES NO. 4	L SUM	1					1	
Z0010501	CLEANING AND PAINTING STEEL BRIDGE NO. 1	L SUM	1		1				
Z0010502	CLEANING AND PAINTING STEEL BRIDGE NO. 2	L SUM	1			1			

* SPECIALTY ITEM
 Δ 100% STATE

CODE NUMBER	DESCRIPTION	UNIT	TOTAL QUANTITY	ACNHF		ACBHF			
				80% FED / 20% STATE		80% FED / 20% STATE			
				ROADWAY 0004		BRIDGE 0014			
				SN 043-0002 SN 043-0003	SN 043-0004 SN 043-0005	SN 043-0006	SN 043-0007		
Z0010503	CLEANING AND PAINTING STEEL BRIDGE NO. 3	L SUM	1				1		
Z0010504	CLEANING AND PAINTING STEEL BRIDGE NO. 4	L SUM	1					1	
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1					
Z0018002	DRAINAGE SCUPPERS, DS-11	EACH	1					1	
Z0018700	DRAINAGE STRUCTURE TO BE REMOVED	EACH	1	1					
Z0026407	TEMPORARY SHEET PILING	SQ FT	1,608		440	668	132	368	
Z0030260	IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	6	6					
Z0030330	IMPACT ATTENUATORS, RELOCATE (FULLY REDIRECTIVE), TEST LEVEL 3	EACH	6	6					
Z0046304	PIPE UNDERDRAINS FOR STRUCTURES 4"	FOOT	744		235	243	126	140	
Z0062456	TEMPORARY PAVEMENT	SQ YD	72	72					
Z0075496	CONCRETE RETAINING WALL REMOVAL	FOOT	21	21					
* A2006914	TREE, QUERCUS PALUSTRIS (PIN OAK), 1-3/4" CALIPER, BALLED AND BURLAPPED	EACH	10	10					
* A2007114	TREE, QUERCUS RUBRA (RED OAK), 1-3/4" CALIPER, BALLED AND BURLAPPED	EACH	10	10					
* A2007514	TREE, SALIX NIGRA (BLACK WILLOW), 1-3/4" CALIPER, BALLED AND BURLAPPED	EACH	10	10					
* B2001114	TREE, CERCIS CANADENSIS (EASTERN REDBUD), 1-3/4" CALIPER, TREE FORM, BALLED AND BURLAPPED	EACH	14	14					
54260048	GRADED CULVERT END SECTIONS, 48" DIAMETER	EACH	1	1					
X2070304	POROUS GRANULAR EMBANKMENT, SPECIAL	CU YD	676		242	259	79	96	
X4401198	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SQ YD	4,752	4,752					
X6090150	TYPE B INLET BOX, STANDARD 609006 (SPECIAL)	EACH	4	4					
X6090245	TYPE C INLET BOX, STANDARD 609006 (SPECIAL)	EACH	2	2					
X6090320	TYPE D INLET BOX, STANDARD 609006 (SPECIAL)	EACH	1	1					
⊙ Z0076600	TRAINEES	HOUR	500	500					

* SPECIALTY ITEM
 Δ 100% STATE
 ⊙ 0042



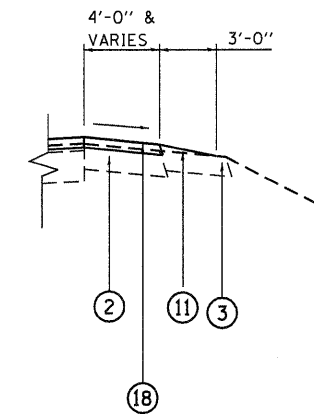
PROPOSED TYPICAL SECTION
 STA. 221+04.00 TO STA. 224+05.00
 (CONSTRUCTION \square)

NOTE: ALL STATIONING IS
 RELATIVE TO THE PROPOSED
 CONSTRUCTION \square .

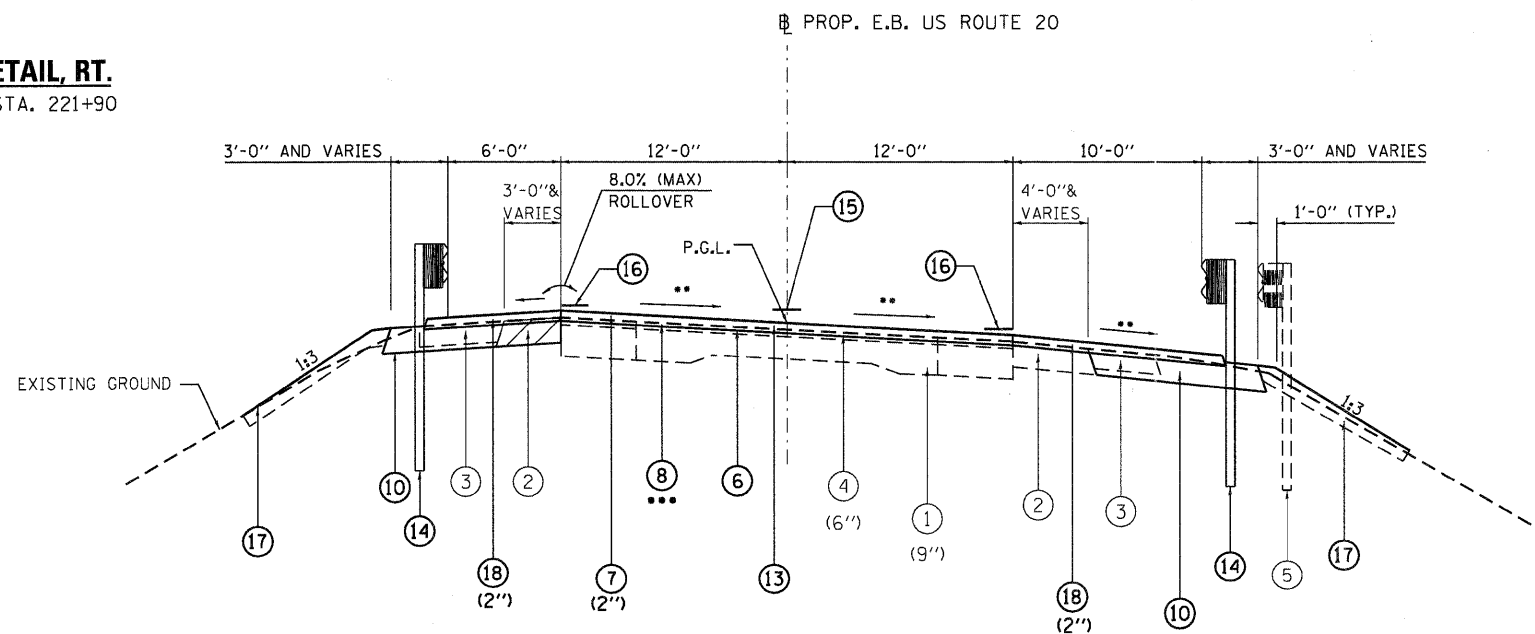
LEGEND

- ① EXISTING P.C.C. PAVEMENT
- ② EXISTING HMA SHOULDER
- ③ EXISTING AGGREGATE SHOULDER
- ④ EXISTING HMA RESURFACING
- ⑤ EXISTING GUARDRAIL
- ⑥ LEVELING BINDER (MACHINE METHOD), N70 (3/4")
- ⑦ HOT-MIX ASPHALT (HMA) SURFACE COURSE, MIX "D", N70
- ⑧ HMA SURFACE REMOVAL, VARIABLE DEPTH
- ⑨ HMA SURFACE REMOVAL, 2"
- ⑩ HMA SHOULDERS, 8"
- ⑪ AGGREGATE WEDGE SHOULDER, TYPE B
- ⑫ AGGREGATE SHOULDERS, TYPE B 8"
- ⑬ BITUMINOUS MATERIALS (PRIME COAT)
- ⑭ GUARDRAIL
- ⑮ POLYUREA PAVEMENT MARKING, TYPE 1 - LINE 6"
- ⑯ POLYUREA PAVEMENT MARKING, TYPE 1 - LINE 4"
- ⑰ TOPSOIL FURNISH AND PLACE, 4" AND SEEDING
- ⑱ HMA SURFACE COURSE, MIX "C", N50
- \square TO BE REMOVED

- * MATCH EXISTING SLOPES
- ** PAVEMENT SLOPE TRANSITIONS
 STA. 224+05 MATCH EXISTING
 STA. 224+80 3.88% (MATCH EXISTING)
 STA. 225+00 4.50%
- *** VARIES FROM 2" AT STA. 224+05 TO
 1/4" AT STA. 224+91.98



SHOULDER DETAIL, RT.
 STA. 221+04 TO STA. 221+90



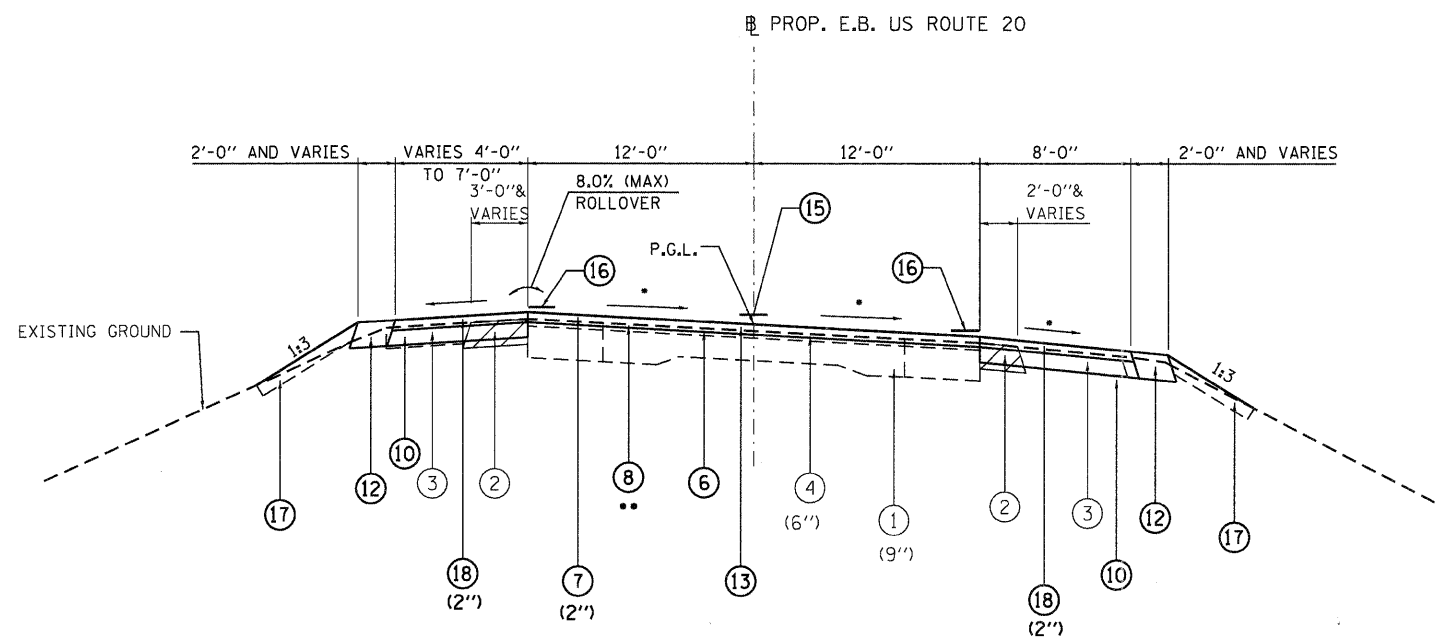
PROPOSED TYPICAL SECTION
 STA. 224+05 TO STA. 224+91.98
 (CONSTRUCTION \square)

BRIDGE OMISSION:
 STA. 225+26.82 TO STA. 226+56.29

BRIDGE APPROACH SLAB OMISSION:
 STA. 224+97.98 TO STA. 225+27.69
 STA. 226+55.40 TO STA. 226+85.84

BRIDGE APPROACH PAVEMENT CONNECTORS (P.C.C.) OMISSION:
 STA. 224+91.98 TO STA. 224+97.98
 STA. 226+85.84 TO STA. 226+95.84
 SEE HIGHWAY STANDARD 420401
 SEE INLET BOX, STANDARD 609006 (SPECIAL) DETAIL

USER NAME = gjameson	DESIGNED -	REVISED -		1701 ROUTE 35 NORTH EAST DUBUQUE, IL 61025 (815) 747-8833 DESIGN FIRM #184001036	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	US 20 TYPICAL SECTIONS SN 043-0002		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FILE NAME = 203207.txdgn	CHECKED -	REVISED -						301	(43B,44B,44HB,45B)D	JO DAVIESS	309	10
PLOT DATE = 12/6/2011	DRAWN -	REVISED -				CONTRACT NO. 64C94						
PLOT TIME = 10:17:15 AM	CHECKED -	REVISED -				ILLINOIS FED. AID PROJECT						



PROPOSED TYPICAL SECTION
 STA. 226+95.84 TO STA. 228+60.00
 (CONSTRUCTION \mathbb{B})

NOTE: ALL STATIONING IS
 RELATIVE TO THE PROPOSED
 CONSTRUCTION \mathbb{B} .

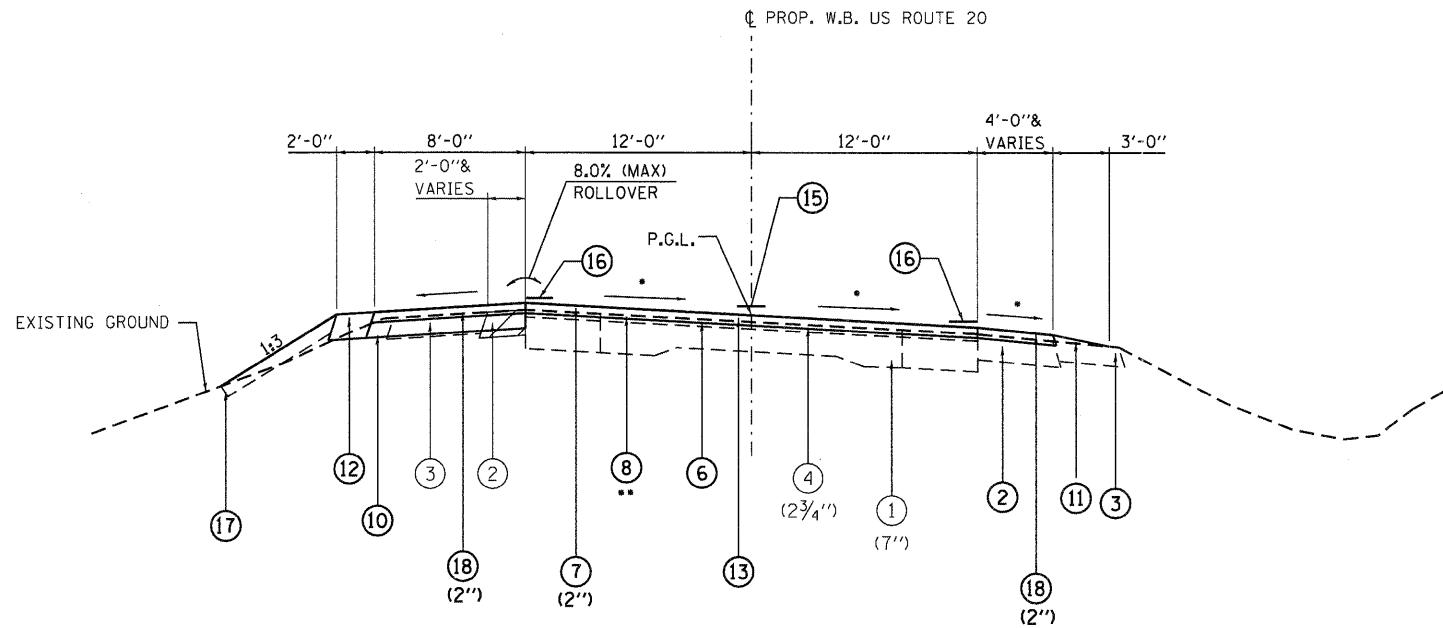
LEGEND

- ① EXISTING P.C.C. PAVEMENT
- ② EXISTING HMA SHOULDER
- ③ EXISTING AGGREGATE SHOULDER
- ④ EXISTING HMA RESURFACING
- ⑤ EXISTING GUARDRAIL
- ⑥ LEVELING BINDER (MACHINE METHOD), N70 (3/4")
- ⑦ HOT-MIX ASPHALT (HMA) SURFACE COURSE, MIX "D", N70
- ⑧ HMA SURFACE REMOVAL, VARIABLE DEPTH
- ⑨ HMA SURFACE REMOVAL, 2"
- ⑩ HMA SHOULDERS, 8"
- ⑪ AGGREGATE WEDGE SHOULDER, TYPE B
- ⑫ AGGREGATE SHOULDERS, TYPE B 8"
- ⑬ BITUMINOUS MATERIALS (PRIME COAT)
- ⑭ GUARDRAIL
- ⑮ POLYUREA PAVEMENT MARKING, TYPE 1 - LINE 6"
- ⑯ POLYUREA PAVEMENT MARKING, TYPE 1 - LINE 4"
- ⑰ TOPSOIL FURNISH AND PLACE, 4" AND SEEDING
- ⑱ HMA SURFACE COURSE, MIX "C", N50
- TO BE REMOVED

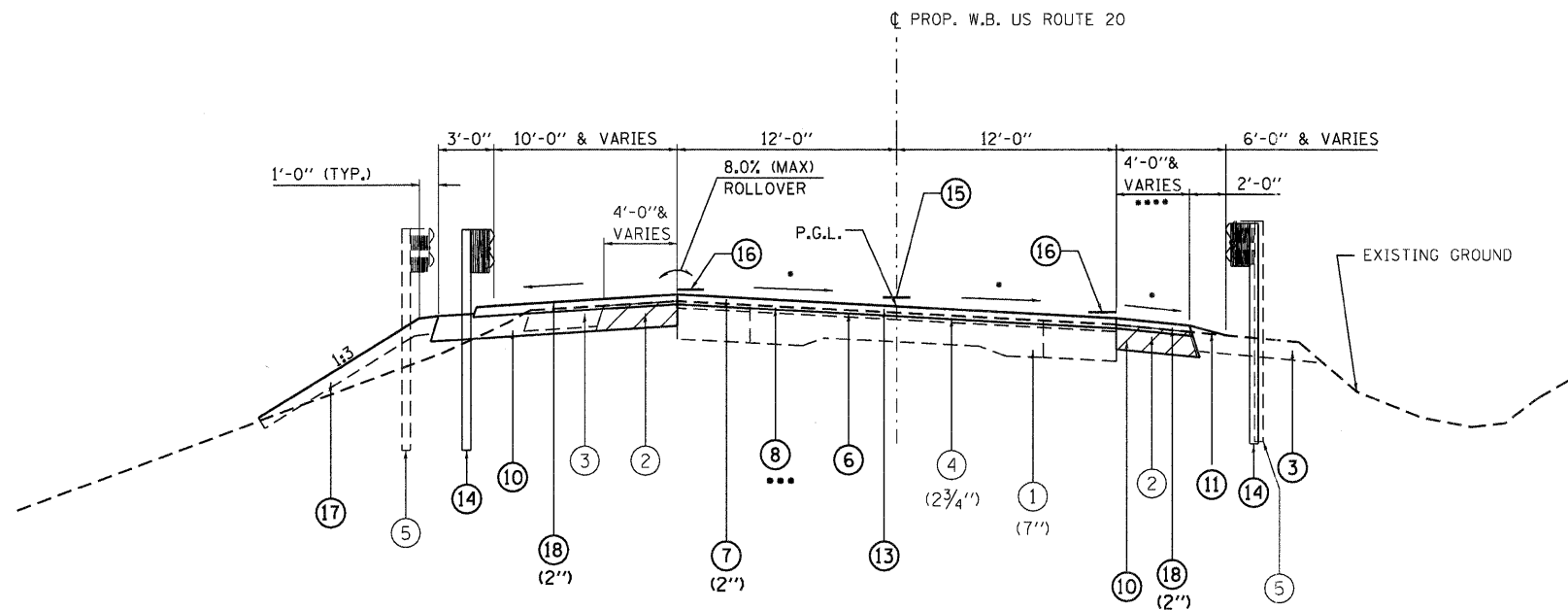
- PAVEMENT SLOPE TRANSITIONS
 STA. 226+93 4.5%
 STA. 227+10 4.0% (MATCH EXISTING)
 STA. 227+50 MATCH EXISTING

- ** VARIES FROM 3/4" AT STA. 226+95.84
 TO 1/2" AT STA. 228+20.

USER NAME = g.jameson	DESIGNED -	REVISED -		1701 ROUTE 35 NORTH EAST DUBUQUE, IL 61025 (815) 747-8833 DESIGN FIRM #184001036	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION			US 20 TYPICAL SECTIONS SN 043-0002			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
FILE NAME = Z03207typ.dgn	CHECKED -	REVISED -						301	(43B,44B,44HB,45B)D	JO DAVIESS	309	11				
PLOT DATE = 12/6/2011	DRAWN -	REVISED -			SCALE: 1" = 5'			SHEET NO. 2 OF 2 SHEETS			STA. TO STA.			ILLINOIS FED. AID PROJECT		
PLOT TIME = 10:17:16 AM	CHECKED -	REVISED -			CONTRACT NO. 64C94											



PROPOSED TYPICAL SECTION
 STA. 222+40.00 TO STA. 224+32.12



PROPOSED TYPICAL SECTION
 STA. 226+37.18 TO STA. 227+50.00

LEGEND

- ① EXISTING P.C.C. PAVEMENT
- ② EXISTING HMA SHOULDER
- ③ EXISTING AGGREGATE SHOULDER
- ④ EXISTING HMA RESURFACING
- ⑤ EXISTING GUARDRAIL
- ⑥ LEVELING BINDER (MACHINE METHOD), N70 (3/4")
- ⑦ HOT-MIX ASPHALT (HMA) SURFACE COURSE, MIX "D", N70
- ⑧ HMA SURFACE REMOVAL, VARIABLE DEPTH
- ⑨ HMA SURFACE REMOVAL, 2"
- ⑩ HMA SHOULDERS, 8"
- ⑪ AGGREGATE WEDGE SHOULDER, TYPE B
- ⑫ AGGREGATE SHOULDERS, TYPE B 8"
- ⑬ BITUMINOUS MATERIALS (PRIME COAT)
- ⑭ GUARDRAIL
- ⑮ POLYUREA PAVEMENT MARKING, TYPE 1 - LINE 6"
- ⑯ POLYUREA PAVEMENT MARKING, TYPE 1 - LINE 4"
- ⑰ TOPSOIL FURNISH AND PLACE, 4" AND SEEDING
- ⑱ HMA SURFACE COURSE, MIX "C", N50
- TO BE REMOVED

- PAVEMENT SLOPE TRANSITIONS
 STA. 222+80 MATCH EXIST.
 STA. 224+48 4.5%
 STA. 226+35 4.5%
 STA. 226+70 3.5% (MATCH EXIST.)
 STA. 227+50 MATCH EXIST.

- VARIES FROM 1 1/2" AT STA. 222+80 TO 1/2" AT STA. 224+32.12

- VARIES FROM 1 3/4" AT STA. 226+37.18 TO 2" AT STA. 227+10

- HMA SURFACE REMOVAL, 2" FROM STA. 227+10 TO STA. 227+50

- HMA SHOULDERS, 8" FROM STA. 226+37.18 TO STA. 226+85

BRIDGE OMISSION:
 STA. 224+66.86 TO STA. 225+95.78

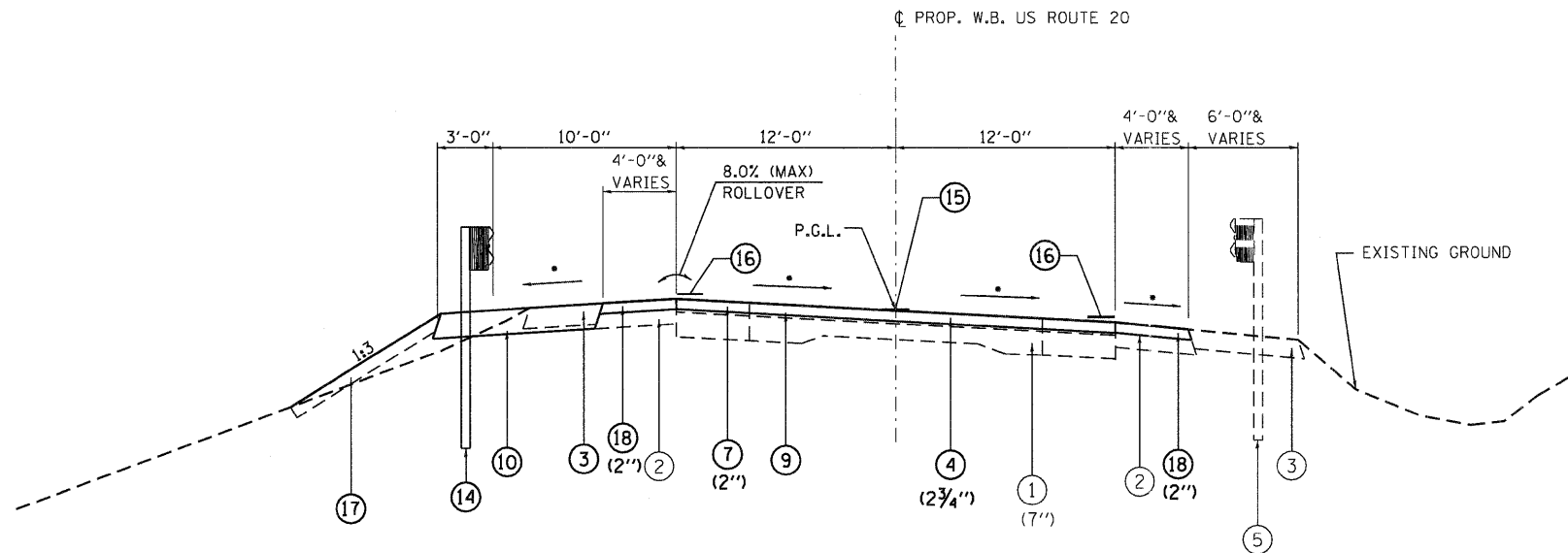
BRIDGE APPROACH SLAB OMISSION:
 STA. 224+38.12 TO STA. 224+67.73
 STA. 225+94.90 TO STA. 226+25.18

BRIDGE APPROACH PAVEMENT CONNECTORS (P.C.C.) OMISSION:
 STA. 224+32.12 TO STA. 224+38.12
 STA. 226+25.18 TO STA. 226+37.18
 SEE HIGHWAY STANDARD 420401
 SEE INLET BOX, STANDARD 609006 (SPECIAL) DETAIL

USER NAME = gjameson	DESIGNED -	REVISED -	 1701 ROUTE 35 NORTH EAST DUBUQUE, IL 61025 (815) 747-8833 DESIGN FIRM #184001036	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	US 20 TYPICAL SECTIONS SN 043-0003			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FILE NAME = Z03207typ.dgn	CHECKED -	REVISED -			301	(43B,44B,44HB,45B)D	JO DAVIESS	309	12			
PLDT DATE = 12/6/2011	DRAWN -	REVISED -			CONTRACT NO. 64C94							
PLDT TIME = 10:17:17 AM	CHECKED -	REVISED -			ILLINOIS FED. AID PROJECT							
					SCALE: 1" = 5'	SHEET NO. 1 OF 2 SHEETS	STA.	TO STA.				

LEGEND

- ① EXISTING P.C.C. PAVEMENT
- ② EXISTING HMA SHOULDER
- ③ EXISTING AGGREGATE SHOULDER
- ④ EXISTING HMA RESURFACING
- ⑤ EXISTING GUARDRAIL
- ⑥ LEVELING BINDER (MACHINE METHOD), N70 (3/4")
- ⑦ HOT-MIX ASPHALT (HMA) SURFACE COURSE, MIX "D", N70
- ⑧ HMA SURFACE REMOVAL, VARIABLE DEPTH
- ⑨ HMA SURFACE REMOVAL, 2"
- ⑩ HMA SHOULDERS, 8"
- ⑪ AGGREGATE WEDGE SHOULDER, TYPE B
- ⑫ AGGREGATE SHOULDERS, TYPE B 8"
- ⑬ BITUMINOUS MATERIALS (PRIME COAT)
- ⑭ GUARDRAIL
- ⑮ POLYUREA PAVEMENT MARKING, TYPE 1 - LINE 6"
- ⑯ POLYUREA PAVEMENT MARKING, TYPE 1 - LINE 4"
- ⑰ TOPSOIL FURNISH AND PLACE, 4" AND SEEDING
- ⑱ HMA SURFACE COURSE, MIX "C", N50
- ▨ TO BE REMOVED
- MATCH EXISTING SLOPES



PROPOSED TYPICAL SECTION
 STA. 227+50.00 TO STA. 229+69.00

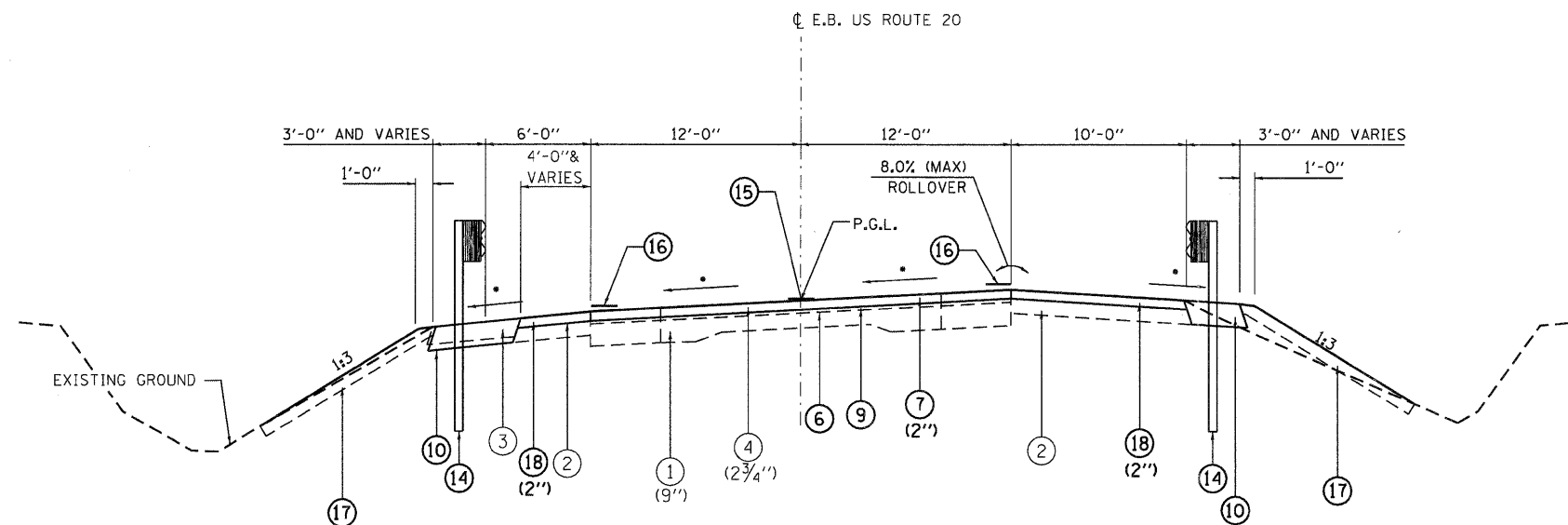
USER NAME = gjameson	DESIGNED -	REVISED -
FILE NAME = Z03207.tpd.dgn	CHECKED -	REVISED -
PLOT DATE = 12/6/2011	DRAWN -	REVISED -
PLOT TIME = 10:17:18 AM	CHECKED -	REVISED -

WHKS & CO.
 ENGINEERING
 1701 ROUTE 35 NORTH
 EAST DUBUQUE, IL 61025
 (815) 747-8833
 DESIGN FIRM #184001036

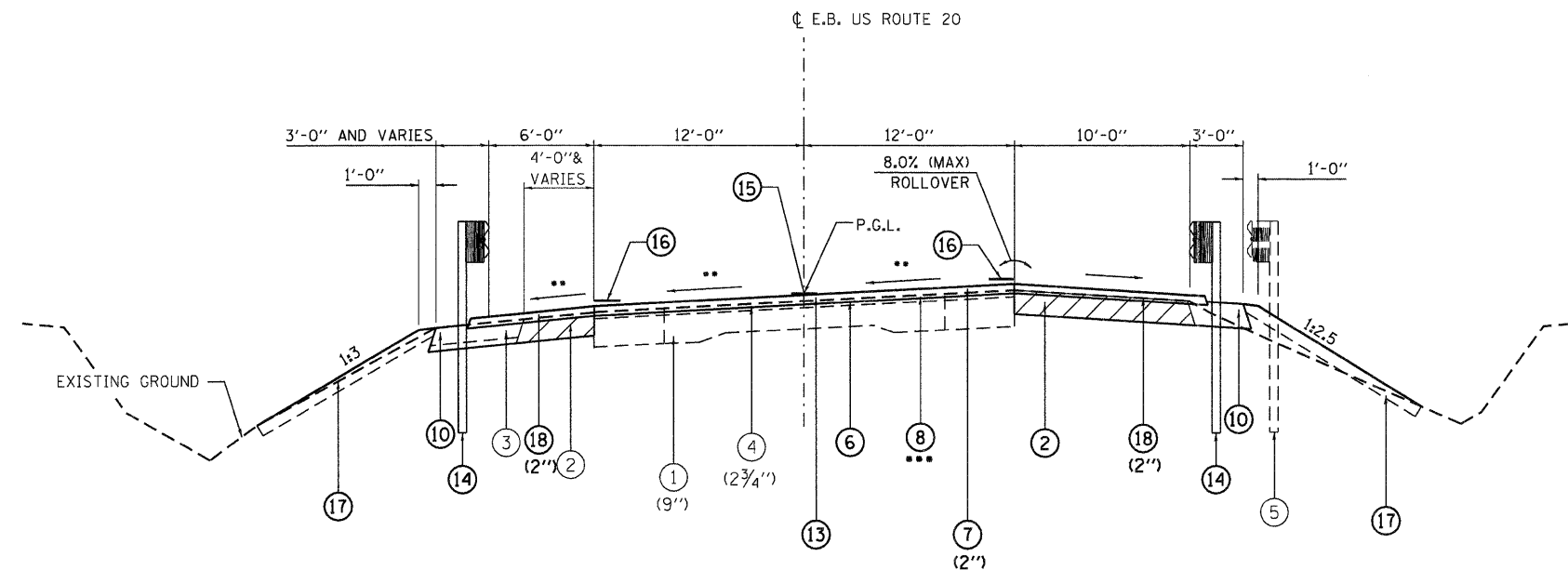
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

US 20 TYPICAL SECTIONS
 SN 043-0003
 SCALE: 1" = 5'
 SHEET NO. 2 OF 2 SHEETS
 STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	(43B,44B,44HB,45B)D	JO DAVIESS	309	13
CONTRACT NO. 64C94			ILLINOIS FED. AID PROJECT	



PROPOSED TYPICAL SECTION
STA. 333+11.50 TO STA. 335+30.00



PROPOSED TYPICAL SECTION
STA. 335+30.00 TO STA. 335+81.53

NOTES:
HMA SHOULDERS, 8" FROM
STA. 334+10 TO STA. 335+82.68, RT.

LEGEND

- ① EXISTING P.C.C. PAVEMENT
- ② EXISTING HMA SHOULDER
- ③ EXISTING AGGREGATE SHOULDER
- ④ EXISTING HMA RESURFACING
- ⑤ EXISTING GUARDRAIL
- ⑥ LEVELING BINDER (MACHINE METHOD), N70 (3/4")
- ⑦ HOT-MIX ASPHALT (HMA) SURFACE COURSE, MIX "D", N70
- ⑧ HMA SURFACE REMOVAL, VARIABLE DEPTH
- ⑨ HMA SURFACE REMOVAL, 2"
- ⑩ HMA SHOULDERS, 8"
- ⑪ AGGREGATE WEDGE SHOULDER, TYPE B
- ⑫ AGGREGATE SHOULDERS, TYPE B 8"
- ⑬ BITUMINOUS MATERIALS (PRIME COAT)
- ⑭ GUARDRAIL
- ⑮ POLYUREA PAVEMENT MARKING, TYPE 1 - LINE 6"
- ⑯ POLYUREA PAVEMENT MARKING, TYPE 1 - LINE 4"
- ⑰ TOPSOIL FURNISH AND PLACE, 4" AND SEEDING
- ⑱ HMA SURFACE COURSE, MIX "C", N50
- ▨ TO BE REMOVED

- * MATCH EXISTING SLOPES
- ** PAVEMENT SLOPE TRANSITIONS
STA. 333+70 MATCH EXIST.
STA. 335+30 4.1% (MATCH EXIST.)
STA. 335+70 4.5%
- *** VARIES FROM 2" AT STA. 335+30 TO
1 1/4" AT STA. 335+81.53

BRIDGE OMISSION:
STA. 336+16.73 TO STA. 338+14.46

BRIDGE APPROACH SLAB OMISSION:
STA. 335+87.53 TO STA. 336+17.56
STA. 338+13.63 TO STA. 338+43.66

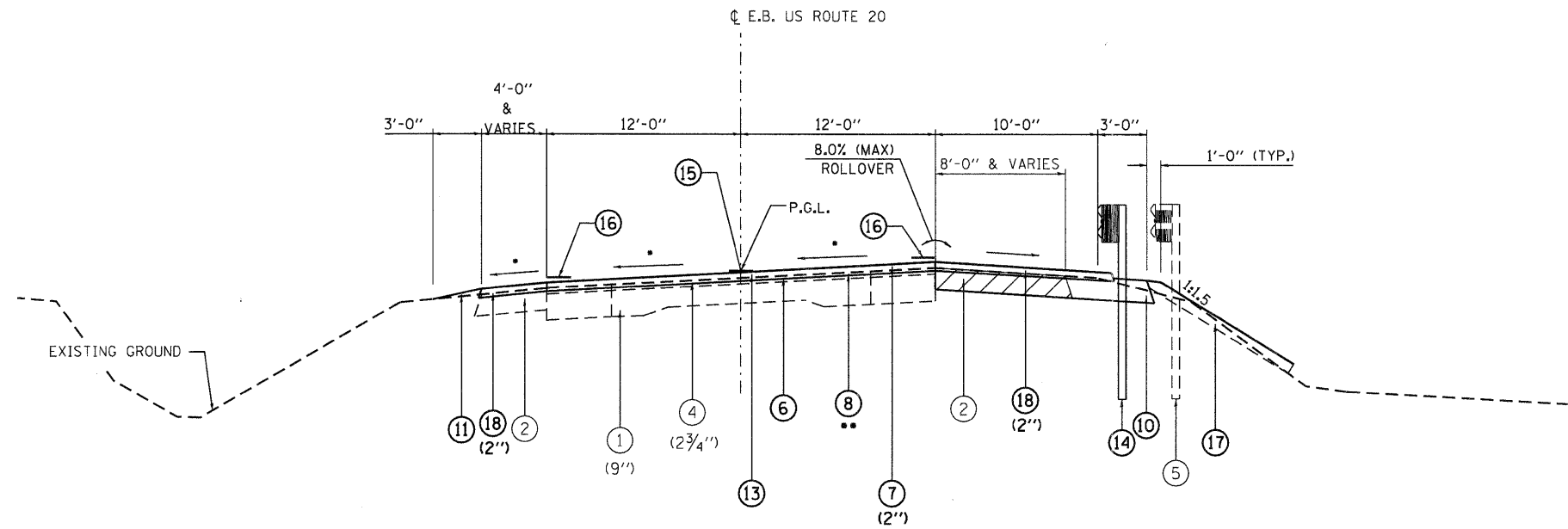
BRIDGE APPROACH PAVEMENT CONNECTORS (P.C.C.) OMISSION:
STA. 335+81.53 TO STA. 336+87.53
STA. 338+43.66 TO STA. 338+53.66
SEE HIGHWAY STANDARD 420401
SEE INLET BOX, STANDARD 609006 (SPECIAL) DETAIL

USER NAME = gjameson	DESIGNED -	REVISED -		1701 ROUTE 35 NORTH EAST DUBUQUE, IL 61025 (815) 747-8833 DESIGN FIRM #184001036	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION			US 20 TYPICAL SECTIONS SN 043-0004			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FILE NAME = Z83287.txd	CHECKED -	REVISED -									301	(43B,44B,44HB,45B)D	JO DAVIESS	309	14
PLOT DATE = 12/6/2011	DRAWN -	REVISED -						CONTRACT NO. 64C94			ILLINOIS FED. AID PROJECT				
PLOT TIME = 10:17:18 AM	CHECKED -	REVISED -						SCALE: 1" = 5'	SHEET NO. 1 OF 2 SHEETS	STA.	TO STA.				

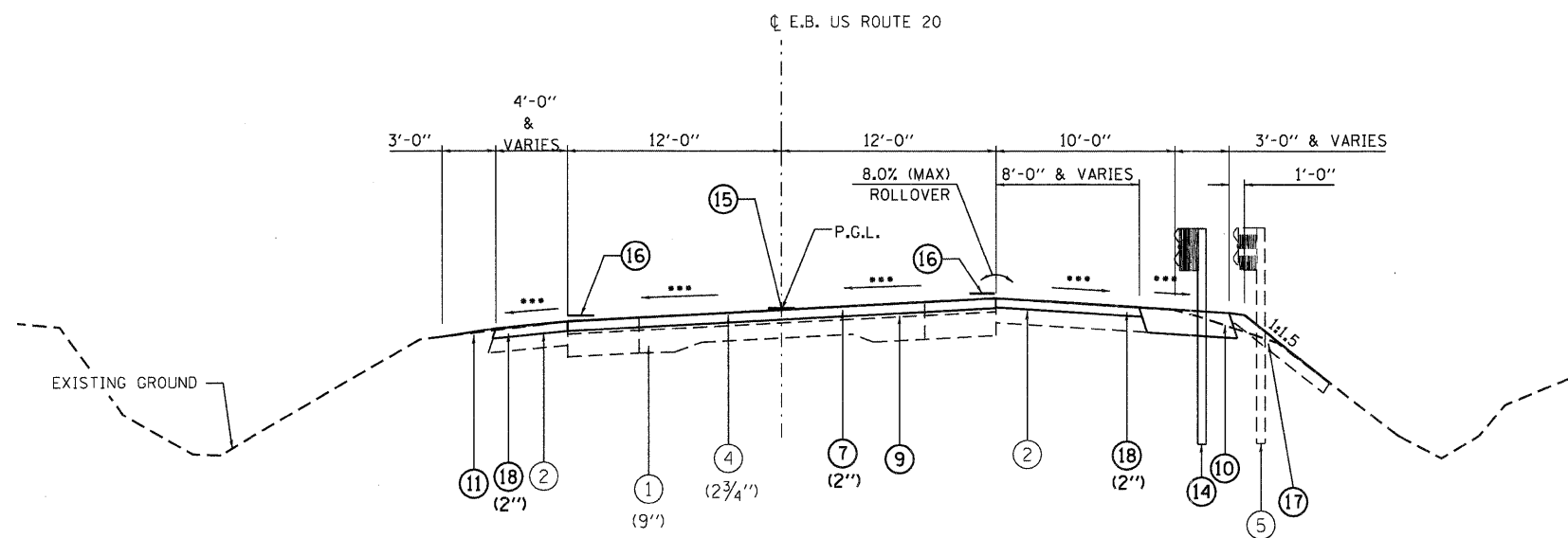
LEGEND

- ① EXISTING P.C.C. PAVEMENT
- ② EXISTING HMA SHOULDER
- ③ EXISTING AGGREGATE SHOULDER
- ④ EXISTING HMA RESURFACING
- ⑤ EXISTING GUARDRAIL
- ⑥ LEVELING BINDER (MACHINE METHOD), N70 (3/4")
- ⑦ HOT-MIX ASPHALT (HMA) SURFACE COURSE, MIX "D", N70
- ⑧ HMA SURFACE REMOVAL, VARIABLE DEPTH
- ⑨ HMA SURFACE REMOVAL, 2"
- ⑩ HMA SHOULDERS, 8"
- ⑪ AGGREGATE WEDGE SHOULDER, TYPE B
- ⑫ AGGREGATE SHOULDERS, TYPE B 8"
- ⑬ BITUMINOUS MATERIALS (PRIME COAT)
- ⑭ GUARDRAIL
- ⑮ POLYUREA PAVEMENT MARKING, TYPE 1 - LINE 6"
- ⑯ POLYUREA PAVEMENT MARKING, TYPE 1 - LINE 4"
- ⑰ TOPSOIL FURNISH AND PLACE, 4" AND SEEDING
- ⑱ HMA SURFACE COURSE, MIX "C", N50
- TO BE REMOVED

- * PAVEMENT SLOPE TRANSITIONS
 STA. 338+70 4.5%
 STA. 339+50 4.2% (MATCH EXIST.)
 STA. 340+65 MATCH EXIST.
- ** VARIES FROM 1/2" AT STA. 338+53.66
 TO 2" AT STA. 339+50.00
 HMA SURFACE REMOVAL, 2" FROM
 STA. 339+50 TO STA. 340+65.
- *** MATCH EXISTING SLOPES




PROPOSED TYPICAL SECTION
 STA. 338+53.66 TO STA. 340+65.00



PROPOSED TYPICAL SECTION
 STA. 340+65.00 TO STA. 344+33.00

USER NAME = gjameson	DESIGNED -	REVISED -		1701 ROUTE 35 NORTH EAST DUBUQUE, IL 61025 (815) 747-8833 DESIGN FIRM #184001036	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	US 20 TYPICAL SECTIONS SN 043-0004	F.A.P. RTE. 301	SECTION (43B,44B,44HB,45B)D	COUNTY JO DAVIESS	TOTAL SHEETS 309	SHEET NO. 15	
FILE NAME = 203207typ.dgn	CHECKED -	REVISED -		ENGINEERING								
PLOT DATE = 12/6/2011	DRAWN -	REVISED -										
PLOT TIME = 10:17:19 AM	CHECKED -	REVISED -										
SCALE: 1" = 5'							SHEET NO. 2 OF 2 SHEETS	STA.	TO STA.			
ILLINOIS FED. AID PROJECT												

LEGEND

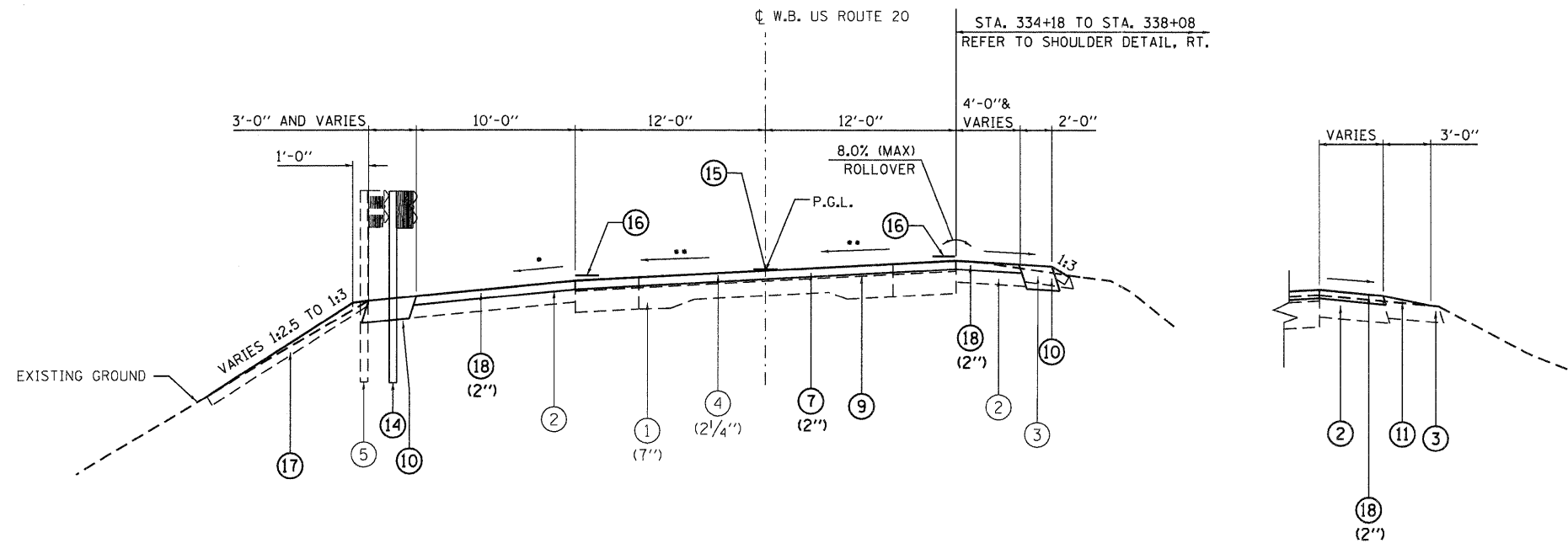
- ① EXISTING P.C.C. PAVEMENT
- ② EXISTING HMA SHOULDER
- ③ EXISTING AGGREGATE SHOULDER
- ④ EXISTING HMA RESURFACING
- ⑤ EXISTING GUARDRAIL
- ⑥ LEVELING BINDER (MACHINE METHOD), N70 (3/4")
- ⑦ HOT-MIX ASPHALT (HMA) SURFACE COURSE, MIX "D", N70
- ⑧ HMA SURFACE REMOVAL, VARIABLE DEPTH
- ⑨ HMA SURFACE REMOVAL, 2"
- ⑩ HMA SHOULDERS, 8"
- ⑪ AGGREGATE WEDGE SHOULDER, TYPE B
- ⑫ AGGREGATE SHOULDERS, TYPE B 8"
- ⑬ BITUMINOUS MATERIALS (PRIME COAT)
- ⑭ GUARDRAIL
- ⑮ POLYUREA PAVEMENT MARKING, TYPE 1 - LINE 6"
- ⑯ POLYUREA PAVEMENT MARKING, TYPE 1 - LINE 4"
- ⑰ TOPSOIL FURNISH AND PLACE, 4" AND SEEDING
- ⑱ HMA SURFACE COURSE, MIX "C", N50
-  TO BE REMOVED

- MATCH EXISTING SLOPES
- PAVEMENT SLOPE TRANSITIONS
STA. 326+35 MATCH EXIST.
STA. 326+80 4.3% (MATCH EXIST.)
STA. 327+30 4.5%
- VARIES FROM 2" AT STA. 326+40
TO 1/2" AT STA. 327+56.67

BRIDGE OMISSION:
STA. 327+91.87 TO STA. 329+89.60

BRIDGE APPROACH SLAB OMISSION:
STA. 327+62.67 TO STA. 327+92.70
STA. 329+88.77 TO STA. 330+18.80

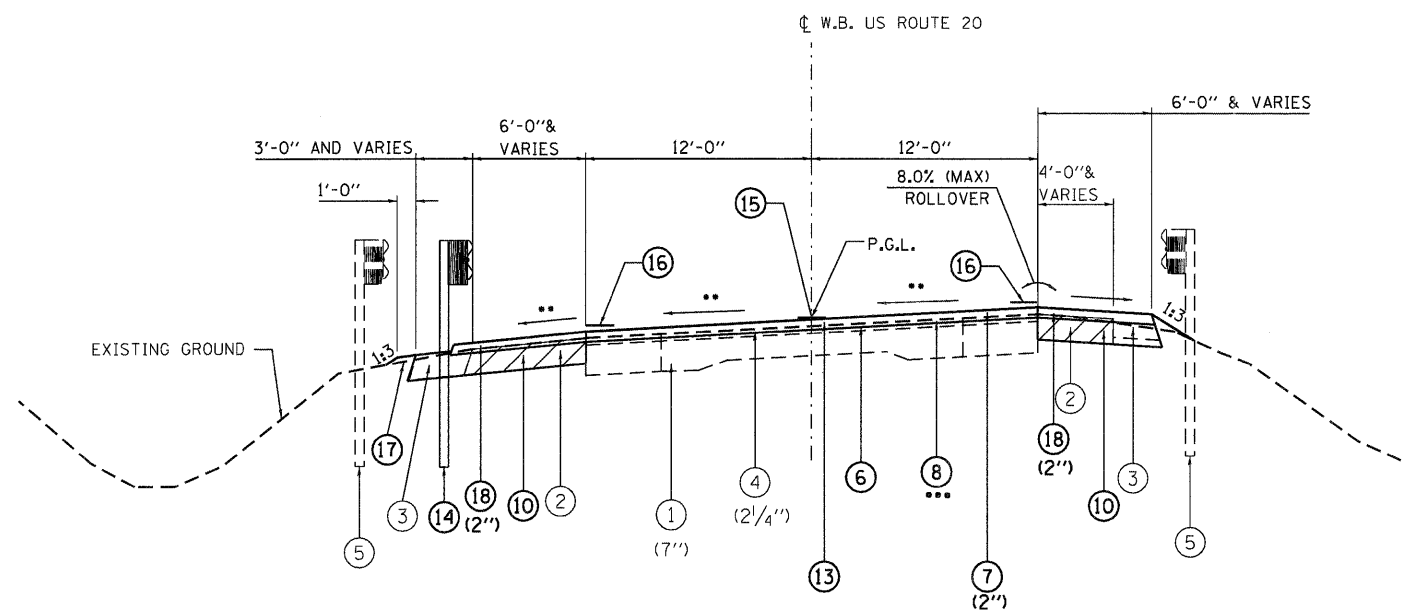
BRIDGE APPROACH PAVEMENT CONNECTORS (P.C.C.) OMISSION:
STA. 327+56.67 TO STA. 327+62.67
STA. 330+18.80 TO STA. 330+28.80
SEE HIGHWAY STANDARD 420401
SEE INLET BOX, STANDARD 609006 (SPECIAL) DETAIL




SHOULDER DETAIL, RT.
STA. 334+18 TO STA. 338+08

NOTES :
1. REMOVE EXISTING HMA SHOULDERS AND
CONSTRUCTION PROPOSED HMA SHOULDERS, 8"
FROM LEFT STA. 326+13.00 TO STA. 326+40.00


PROPOSED TYPICAL SECTION
STA. 324+82.00 TO STA. 326+40.00
STA. 334+18.00 TO STA. 338+08.00



PROPOSED TYPICAL SECTION
STA. 326+40.00 TO STA. 327+56.67

USER NAME = gjameson	DESIGNED -	REVISED -	 1701 ROUTE 35 NORTH EAST DUBUQUE, IL 61025 (815) 747-8833 DESIGN FIRM #184001036	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	US 20 TYPICAL SECTIONS SN 043-0005			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
FILE NAME = Z03207typ.dgn	CHECKED -	REVISED -						301	(43B,44B,44HB,45B)D	JO DAVIESS	309	16	
PLOT DATE = 12/6/2011	DRAWN -	REVISED -			SCALE: 1" = 5'			SHEET NO. 1 OF 2 SHEETS		STA. TO STA.		CONTRACT NO. 64C94	
PLOT TIME = 10:17:19 AM	CHECKED -	REVISED -			ILLINOIS FED. AID PROJECT								

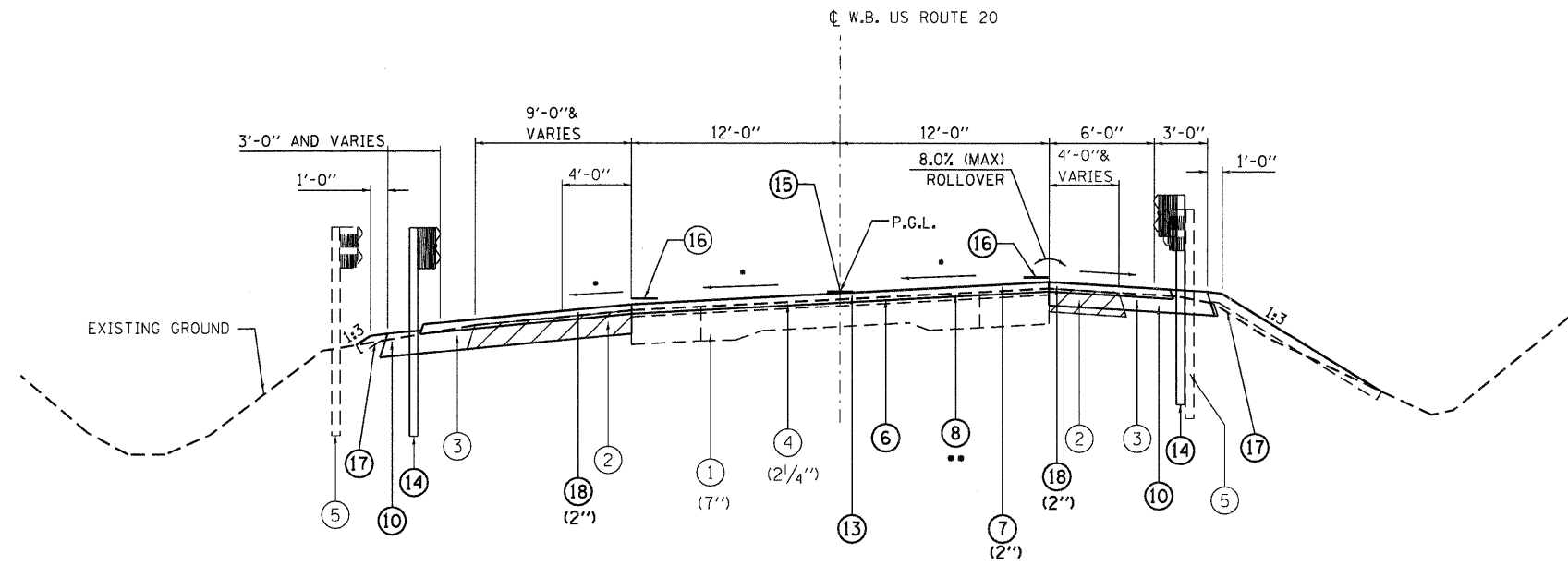
LEGEND

- ① EXISTING P.C.C. PAVEMENT
- ② EXISTING HMA SHOULDER
- ③ EXISTING AGGREGATE SHOULDER
- ④ EXISTING HMA RESURFACING
- ⑤ EXISTING GUARDRAIL
- ⑥ LEVELING BINDER (MACHINE METHOD), N70 (3/4")
- ⑦ HOT-MIX ASPHALT (HMA) SURFACE COURSE, MIX "D", N70
- ⑧ HMA SURFACE REMOVAL, VARIABLE DEPTH
- ⑨ HMA SURFACE REMOVAL, 2"
- ⑩ HMA SHOULDERS, 8"
- ⑪ AGGREGATE WEDGE SHOULDER, TYPE B
- ⑫ AGGREGATE SHOULDERS, TYPE B 8"
- ⑬ BITUMINOUS MATERIALS (PRIME COAT)
- ⑭ GUARDRAIL
- ⑮ POLYUREA PAVEMENT MARKING, TYPE 1 - LINE 6"
- ⑯ POLYUREA PAVEMENT MARKING, TYPE 1 - LINE 4"
- ⑰ TOPSOIL FURNISH AND PLACE, 4" AND SEEDING
- ⑱ HMA SURFACE COURSE, MIX "C", N50
-  TO BE REMOVED

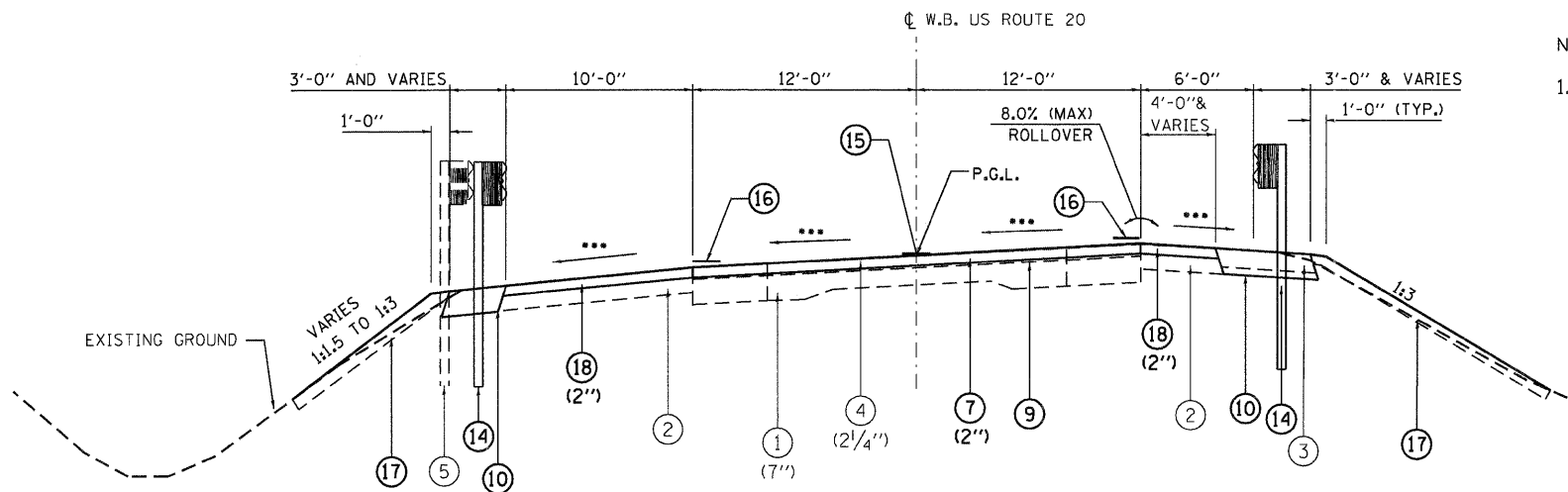
- PAVEMENT SLOPE TRANSITIONS
 STA. 330+30 4.5%
 STA. 331+05 4.5%
 STA. 331+45 MATCH EXIST.
- VARIES FROM 1 1/4" AT STA. 330+28.80
 TO 2" AT STA. 331+05.
- MATCH EXISTING SLOPES

NOTES:

1. REMOVE EXISTING HMA SHOULDER AND CONSTRUCT PROPOSED HMA SHOULDERS, 8" FROM LEFT STA. 331+07.00 TO STA. 331+72.00.



PROPOSED TYPICAL SECTION
 STA. 330+28.80 TO STA. 331+07.00



PROPOSED TYPICAL SECTION
 STA. 331+07.00 TO STA. 334+28.00

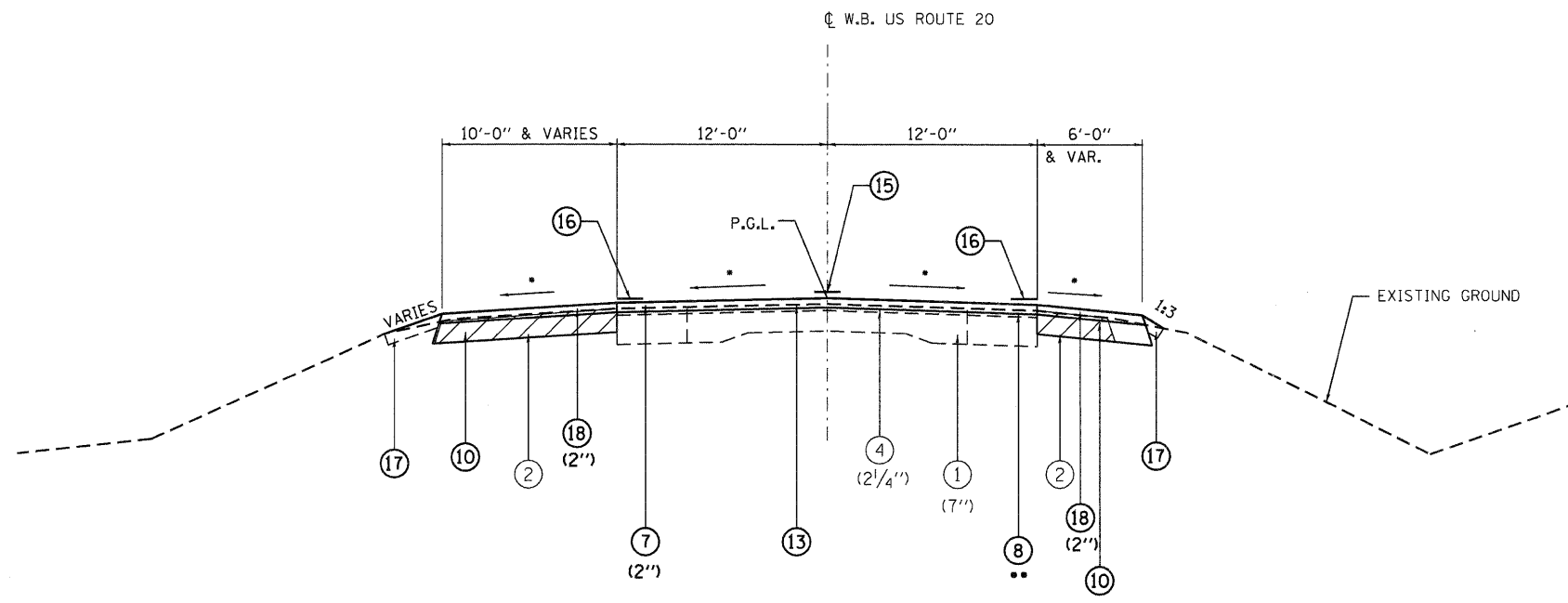
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FILE NAME = Z83207.tpd.dgn	CHECKED -	REVISED -
PLOT DATE = 12/6/2011	DRAWN -	REVISED -
PLOT TIME = 10:17:20 AM	CHECKED -	REVISED -

WHKS & CO.
 ENGINEERING
 1701 ROUTE 35 NORTH
 EAST DUBUQUE, IL 61025
 (815) 747-8833
 DESIGN FIRM #184001036

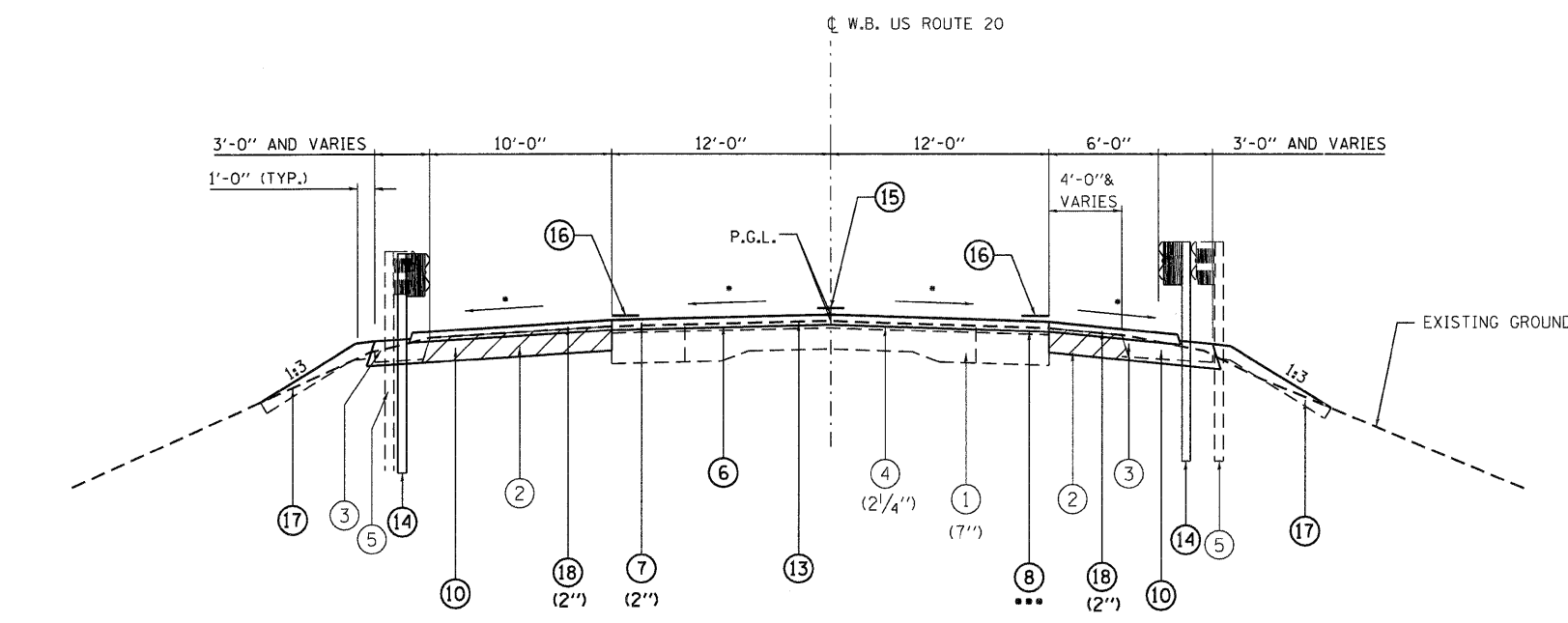
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

US 20 TYPICAL SECTIONS
 SN 043-0005
 SCALE: 1" = 5' SHEET NO. 2 OF 2 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	(43B,44B,44HB,45B)D	JO DAVIESS	309	17
CONTRACT NO. 64C94			ILLINOIS FED. AID PROJECT	



PROPOSED TYPICAL SECTION
STA. 412+90.00 TO STA. 413+43.14



PROPOSED TYPICAL SECTION
STA. 415+45.00 TO STA. 415+85.00

LEGEND

- ① EXISTING P.C.C. PAVEMENT
- ② EXISTING HMA SHOULDER
- ③ EXISTING AGGREGATE SHOULDER
- ④ EXISTING HMA RESURFACING
- ⑤ EXISTING GUARDRAIL
- ⑥ LEVELING BINDER (MACHINE METHOD), N70 (3/4")
- ⑦ HOT-MIX ASPHALT (HMA) SURFACE COURSE, MIX "D", N70
- ⑧ HMA SURFACE REMOVAL, VARIABLE DEPTH
- ⑨ HMA SURFACE REMOVAL, 2"
- ⑩ HMA SHOULDERS, 8"
- ⑪ AGGREGATE WEDGE SHOULDER, TYPE B
- ⑫ AGGREGATE SHOULDERS, TYPE B 8"
- ⑬ BITUMINOUS MATERIALS (PRIME COAT)
- ⑭ GUARDRAIL
- ⑮ POLYUREA PAVEMENT MARKING, TYPE 1 - LINE 6"
- ⑯ POLYUREA PAVEMENT MARKING, TYPE 1 - LINE 4"
- ⑰ TOPSOIL FURNISH AND PLACE, 4" AND SEEDING
- ⑱ HMA SURFACE COURSE, MIX "C", N50
- ▨ TO BE REMOVED

- MATCH EXISTING SLOPES
- VARIES FROM 1" AT STA. 413+30 TO 1 1/2" AT STA. 413+43.14
- VARIES FROM 1" AT STA. 415+45 TO 2" AT STA. 415+85.

BRIDGE OMISSION:
STA. 413+78.31 TO STA. 415+06.31

BRIDGE APPROACH SLAB OMISSION:
STA. 413+49.14 TO STA. 413+79.14
STA. 415+05.48 TO STA. 415+35.48
SEE BRIDGE PLANS

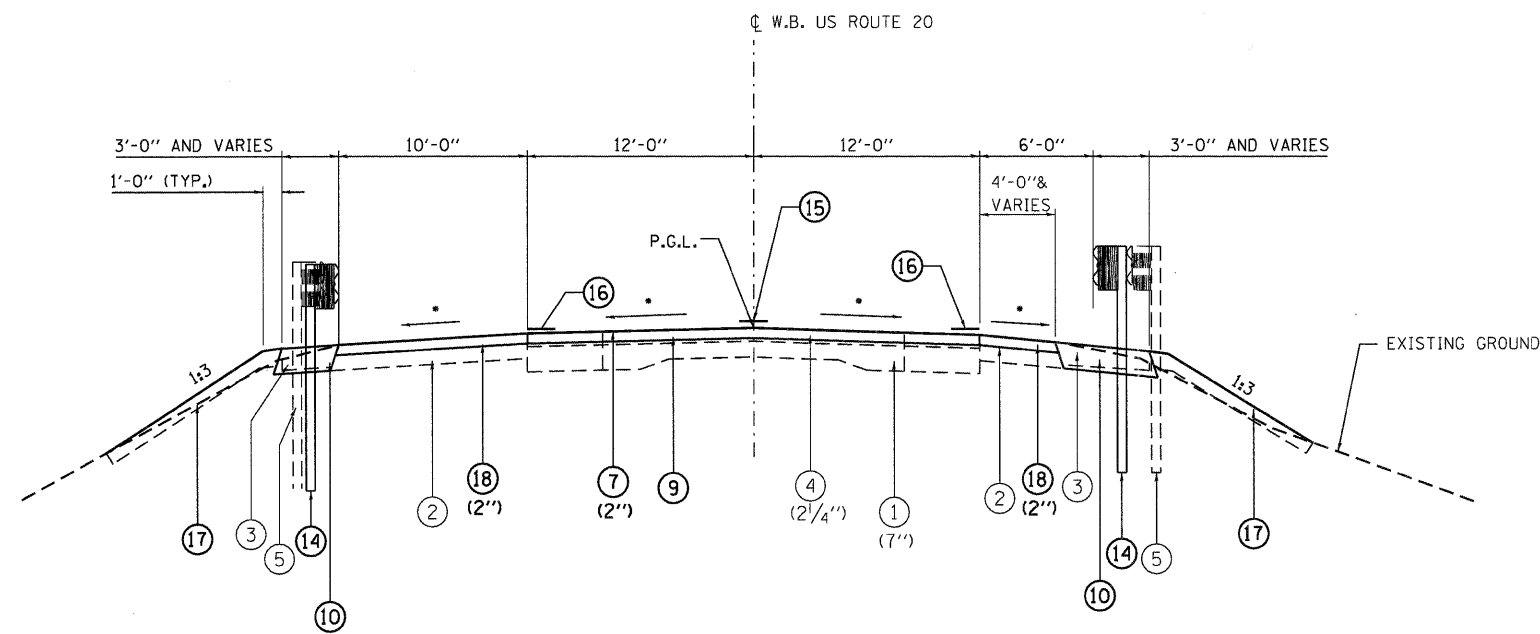
BRIDGE APPROACH PAVEMENT CONNECTORS (P.C.C.) OMISSION:
STA. 413+43.14 TO STA. 413+49.14
STA. 415+35.48 TO STA. 415+45.00
SEE HIGHWAY STANDARD 420401
SEE INLET BOX, STANDARD 609006 (SPECIAL) DETAIL

USER NAME = gjameson	DESIGNED -	REVISED -		1701 ROUTE 35 NORTH EAST DUBUQUE, IL 61025 (815) 747-8833 DESIGN FIRM #184001036	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION			US 20 TYPICAL SECTIONS SN 043-0006		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FILE NAME = Z03207 typ.dgn	CHECKED -	REVISED -						301	(43B,44B,44HB,45B)D	JO DAVIESS	309	18		
PLDT DATE = 12/6/2011	DRAWN -	REVISED -			SCALE: 1" = 5' SHEET NO. 1 OF 2 SHEETS STA. TO STA.			CONTRACT NO. 64C94						
PLDT TIME = 10:17:21 AM	CHECKED -	REVISED -			[ILLINOIS] FED. AID PROJECT									

LEGEND

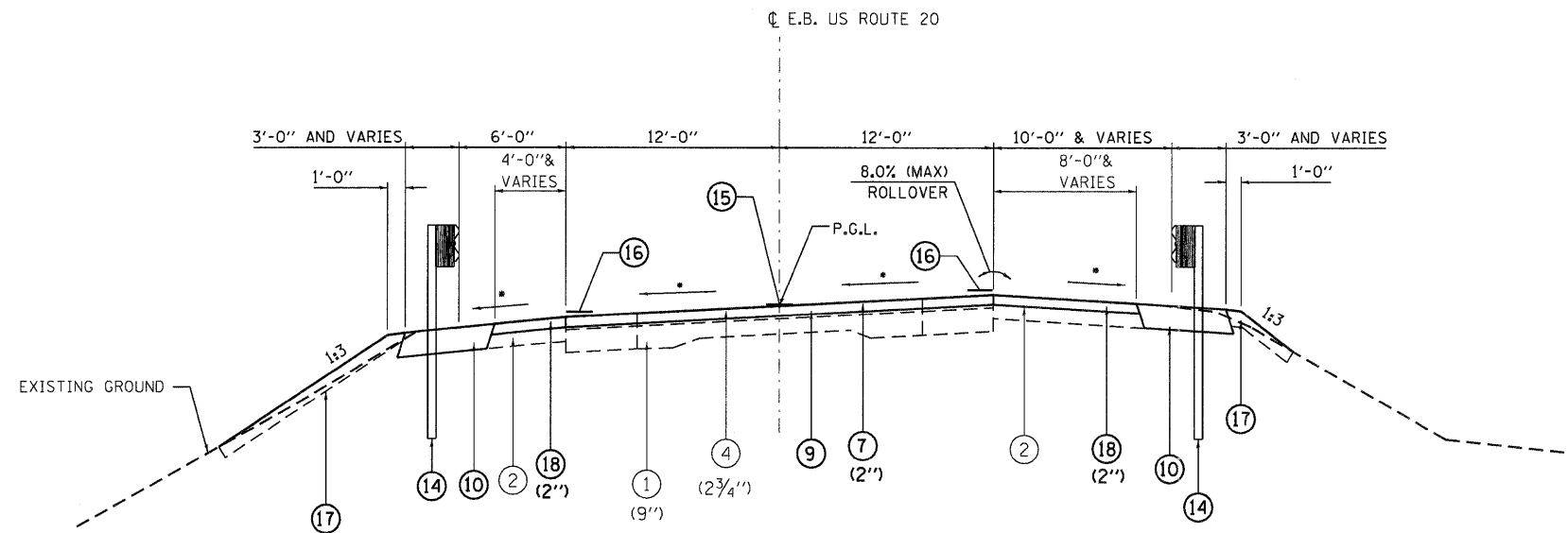
- ① EXISTING P.C.C. PAVEMENT
- ② EXISTING HMA SHOULDER
- ③ EXISTING AGGREGATE SHOULDER
- ④ EXISTING HMA RESURFACING
- ⑤ EXISTING GUARDRAIL
- ⑥ LEVELING BINDER (MACHINE METHOD), N70 (3/4")
- ⑦ HOT-MIX ASPHALT (HMA) SURFACE COURSE, MIX "D", N70
- ⑧ HMA SURFACE REMOVAL, VARIABLE DEPTH
- ⑨ HMA SURFACE REMOVAL, 2"
- ⑩ HMA SHOULDERS, 8"
- ⑪ AGGREGATE WEDGE SHOULDER, TYPE B
- ⑫ AGGREGATE SHOULDERS, TYPE B 8"
- ⑬ BITUMINOUS MATERIALS (PRIME COAT)
- ⑭ GUARDRAIL
- ⑮ POLYUREA PAVEMENT MARKING, TYPE 1 - LINE 6"
- ⑯ POLYUREA PAVEMENT MARKING, TYPE 1 - LINE 4"
- ⑰ TOPSOIL FURNISH AND PLACE, 4" AND SEEDING
- ⑱ HMA SURFACE COURSE, MIX "C", N50
- ▨ TO BE REMOVED

• MATCH EXISTING SLOPES

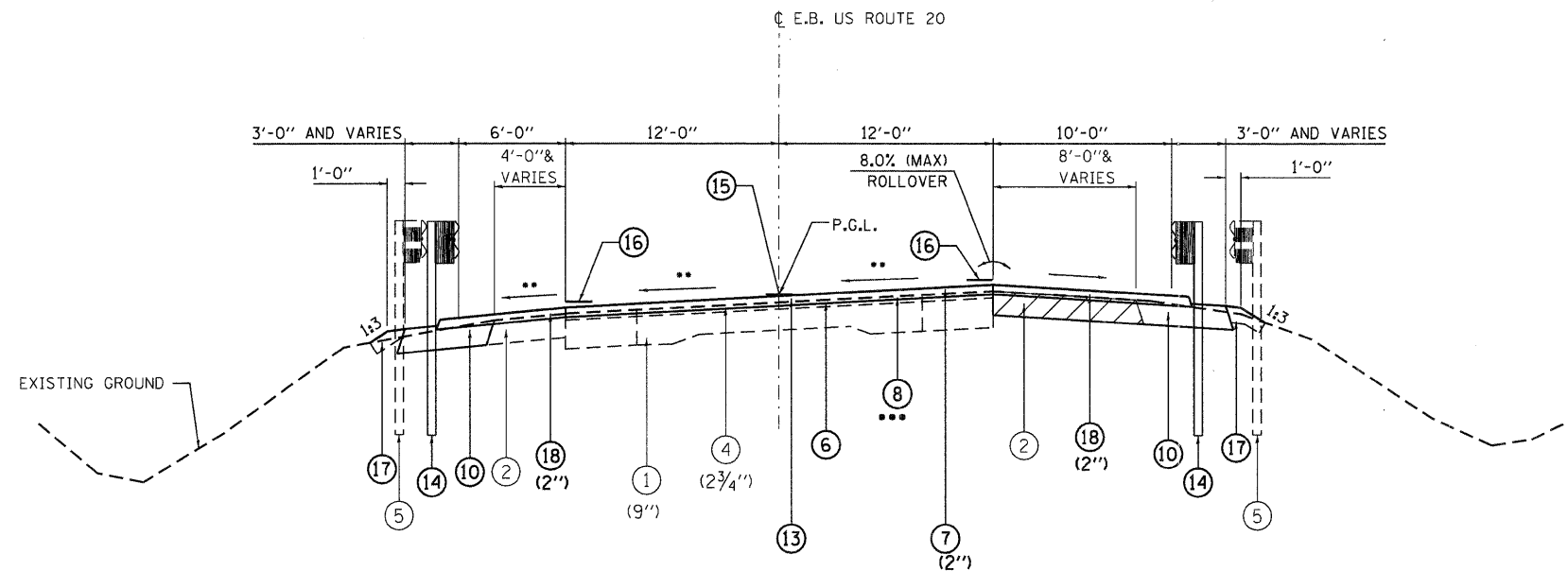


PROPOSED TYPICAL SECTION
STA. 415+85.00 TO STA. 419+11.00

USER NAME = gjemerson	DESIGNED -	REVISED -		1701 ROUTE 35 NORTH EAST DUBUQUE, IL 61025 (815) 747-8833 DESIGN FIRM #184001036	STATE OF ILLINOIS			US 20 TYPICAL SECTIONS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FILE NAME = Z03207typ.dgn	CHECKED -	REVISED -			DEPARTMENT OF TRANSPORTATION			SN 043-0006			301	(43B,44B,44HB,45B)D	JO DAVIESS	309	19
PLOT DATE = 12/6/2011	DRAWN -	REVISED -									CONTRACT NO. 64C94				
PLOT TIME = 10:17:21 AM	CHECKED -	REVISED -									ILLINOIS FED. AID PROJECT				
						SCALE: 1" = 5'		SHEET NO. 2 OF 2 SHEETS		STA. TO STA.					



PROPOSED TYPICAL SECTION
STA. 482+06.00 TO STA. 484+10.00



PROPOSED TYPICAL SECTION
STA. 484+10.00 TO STA. 485+58.40

LEGEND

- ① EXISTING P.C.C. PAVEMENT
- ② EXISTING HMA SHOULDER
- ③ EXISTING AGGREGATE SHOULDER
- ④ EXISTING HMA RESURFACING
- ⑤ EXISTING GUARDRAIL
- ⑥ LEVELING BINDER (MACHINE METHOD), N70 (3/4")
- ⑦ HOT-MIX ASPHALT (HMA) SURFACE COURSE, MIX "D", N70
- ⑧ HMA SURFACE REMOVAL, VARIABLE DEPTH
- ⑨ HMA SURFACE REMOVAL, 2"
- ⑩ HMA SHOULDERS, 8"
- ⑪ AGGREGATE WEDGE SHOULDER, TYPE B
- ⑫ AGGREGATE SHOULDERS, TYPE B 8"
- ⑬ BITUMINOUS MATERIALS (PRIME COAT)
- ⑭ GUARDRAIL
- ⑮ POLYUREA PAVEMENT MARKING, TYPE 1 - LINE 6"
- ⑯ POLYUREA PAVEMENT MARKING, TYPE 1 - LINE 4"
- ⑰ TOPSOIL FURNISH AND PLACE, 4" AND SEEDING
- ⑱ HMA SURFACE COURSE, MIX "C", N50
- ▨ TO BE REMOVED

- MATCH EXISTING SLOPES
- ** PAVEMENT SLOPE TRANSITIONS
STA. 483+70 MATCH EXIST.
STA. 484+10 4.1% (MATCH EXIST.)
STA. 485+50 4.5%
- *** VARIES FROM 2" AT STA. 484+10 TO 1 3/4" AT STA. 485+58.40.

BRIDGE OMISSION:
STA. 485+99.87 TO STA. 488+11.29

BRIDGE APPROACH SLAB OMISSION:
STA. 485+70.40 TO STA. 486+00.40
STA. 488+10.74 TO STA. 488+40.74

BRIDGE APPROACH PAVEMENT CONNECTORS (P.C.C.) OMISSION:
STA. 485+58.40 TO STA. 485+70.40
STA. 488+40.74 TO STA. 488+46.74
SEE HIGHWAY STANDARD 420401
SEE INLET BOX, STANDARD 609006 (SPECIAL) DETAIL

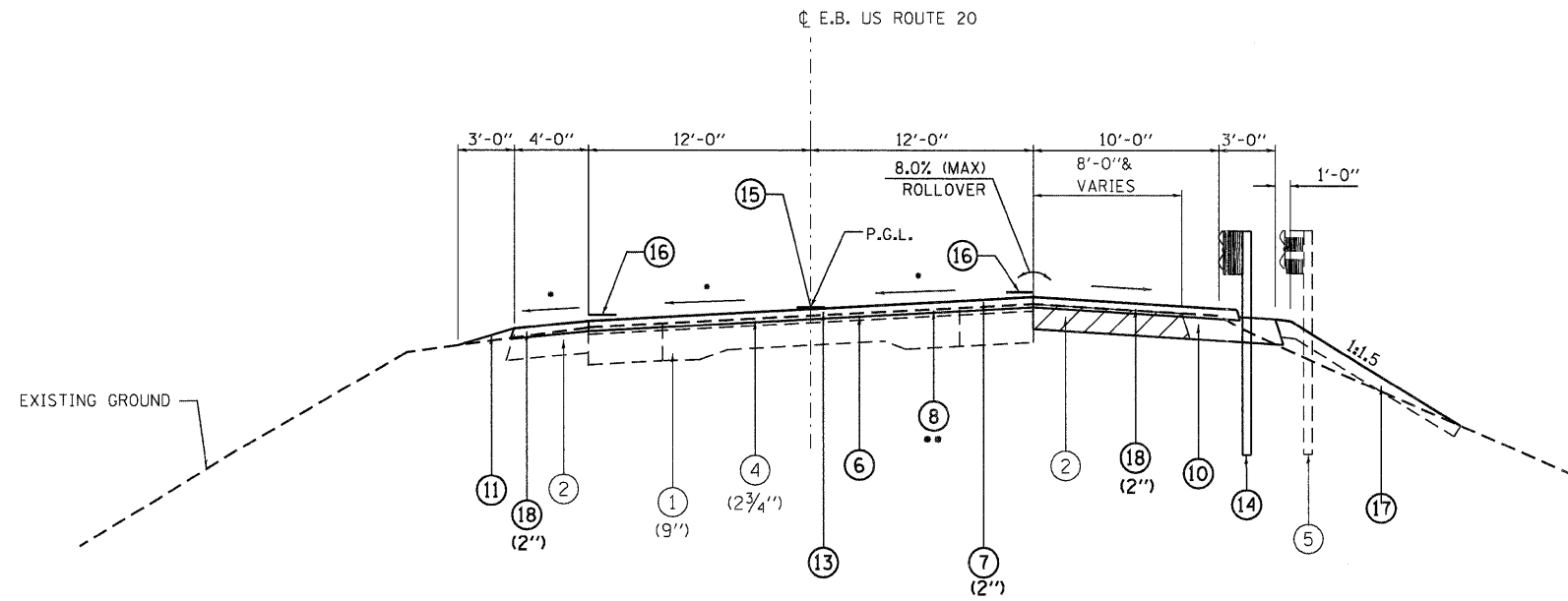
USER NAME = gjameson	DESIGNED -	REVISED -		1701 ROUTE 35 NORTH EAST DUBUQUE, IL 61025 (815) 747-8833 DESIGN FIRM #184001036
FILE NAME = Z83287.sxdgn	CHECKED -	REVISED -		
PLOT DATE = 12/6/2011	DRAWN -	REVISED -		
PLOT TIME = 10:17:22 AM	CHECKED -	REVISED -		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

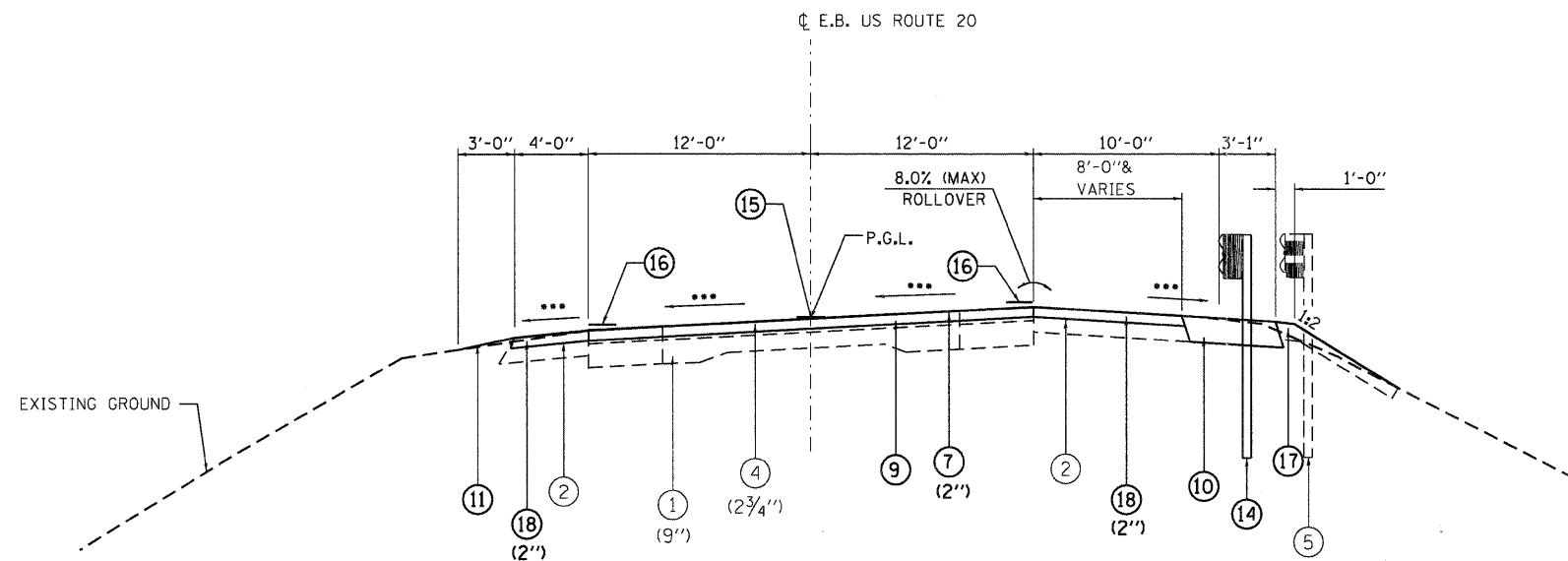
US 20 TYPICAL SECTIONS
SN 043-0007

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	(43B,44B,44HB,45B)D	JO DAVIESS	309	20
CONTRACT NO. 64C94			ILLINOIS FED. AID PROJECT	



PROPOSED TYPICAL SECTION
STA. 488+46.74 TO STA. 490+50.00



PROPOSED TYPICAL SECTION
STA. 490+50.00 TO STA. 492+42.00

LEGEND

- ① EXISTING P.C.C. PAVEMENT
- ② EXISTING HMA SHOULDER
- ③ EXISTING AGGREGATE SHOULDER
- ④ EXISTING HMA RESURFACING
- ⑤ EXISTING GUARDRAIL
- ⑥ LEVELING BINDER (MACHINE METHOD), N70 (3/4")
- ⑦ HOT-MIX ASPHALT (HMA) SURFACE COURSE, MIX "D", N70
- ⑧ HMA SURFACE REMOVAL, VARIABLE DEPTH
- ⑨ HMA SURFACE REMOVAL, 2"
- ⑩ HMA SHOULDERS, 8"
- ⑪ AGGREGATE WEDGE SHOULDER, TYPE B
- ⑫ AGGREGATE SHOULDERS, TYPE B 8"
- ⑬ BITUMINOUS MATERIALS (PRIME COAT)
- ⑭ GUARDRAIL
- ⑮ POLYUREA PAVEMENT MARKING, TYPE 1 - LINE 6"
- ⑯ POLYUREA PAVEMENT MARKING, TYPE 1 - LINE 4"
- ⑰ TOPSOIL FURNISH AND PLACE, 4" AND SEEDING
- ⑱ HMA SURFACE COURSE, MIX "C", N50
- ▨ TO BE REMOVED

- PAVEMENT SLOPE TRANSITIONS
STA. 488+45 4.5%
STA. 488+60 4.25% (MATCH EXIST.)
STA. 490+50 MATCH EXIST.
- ** VARIES FROM 1" AT STA. 488+46.76 TO 2" AT STA. 489+00.
HMA SURFACE REMOVAL, 2" FROM STA. 489+00 TO STA. 490+50.
- *** MATCH EXISTING SLOPES

USER NAME = gjomason	DESIGNED -	REVISED -		1701 ROUTE 35 NORTH EAST DUBUQUE, IL 61025 (815) 747-8833 DESIGN FIRM #184001036	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	US 20 TYPICAL SECTIONS SN 043-0007		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FILE NAME = Z032071.dgn	CHECKED -	REVISED -						301	(43B,44B,44HB,45B)D	JO DAVIESS	309	21
PLOT DATE = 12/6/2011	DRAWN -	REVISED -				CONTRACT NO. 64C94						
PLOT TIME = 10:17:23 AM	CHECKED -	REVISED -				SCALE: 1" = 5'	SHEET NO. 2 OF 2 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		

LOCATION			TYPE	COLOR	70300100 SHORT TERM PAVEMENT MARKING	70300220 TEMPORARY PAVEMENT MARKING - LINE 4"	70301000 WORK ZONE PAVEMENT MARKING REMOVAL	78008210 POLYUREA PAVEMENT MARKING TYPE 1 - LINE 4"	78008230 POLYUREA PAVEMENT MARKING TYPE 1 - LINE 6"	78008240 POLYUREA PAVEMENT MARKING TYPE 1 - LINE 8"	78100100 RAISED REFLECTIVE PAVEMENT MARKERS	78300100 PAVEMENT MARKING REMOVAL	78300100 RAISED REFLECTIVE PAVEMENT MARKER REMOVAL
STATION	STATION	OFFSET			(FOOT)	(FOOT)	(SQ FT)	(FOOT)	(FOOT)	(FOOT)	(EACH)	(SQ FT)	(EACH)
SN 043-0002													
PRE-STAGE													
221+04	228+60	CL											9
STAGE 1													
207+55	217+55	RT	SOLID	WHITE		1,000	333					333	
217+55	222+55	CL	SOLID	WHITE		500	167					167	
222+55	224+05	LT	SOLID	WHITE		150	50					50	
224+05	227+35	LT	SOLID	WHITE		330	110					110	
227+35	228+65	LT	SOLID	WHITE		130	43					43	
222+55	224+05	LT	SOLID	YELLOW		150	50					50	
224+05	227+35	LT	SOLID	YELLOW		330	110					110	
227+35	228+65	LT	SOLID	YELLOW		130	43					43	
STAGE 2													
207+55	217+55	LT	SOLID	YELLOW		1,000	333						
217+55	222+55	CL	SOLID	YELLOW		500	167						
222+55	228+50	RT	SOLID	YELLOW		595	198						
222+55	228+50	RT	SOLID	WHITE		595	198						
STAGE 3													
217+55	221+04	CL	SKIP DASH	WHITE	52		17						
221+04	228+65	CL	SKIP DASH	WHITE	108		36						
STAGE 4													
207+55	221+04	CL	SKIP DASH	WHITE					340				
221+04	228+65	LT	SOLID	YELLOW			761						
221+04	228+65	CL	SKIP DASH	WHITE				200		9			
221+04	228+65	RT	SOLID	WHITE			761						
SUBTOTAL					160	5,410	1,855	1,522	540	0	9	907	9

LOCATION			TYPE	COLOR	70300100 SHORT TERM PAVEMENT MARKING	70300220 TEMPORARY PAVEMENT MARKING - LINE 4"	70301000 WORK ZONE PAVEMENT MARKING REMOVAL	78008210 POLYUREA PAVEMENT MARKING TYPE 1 - LINE 4"	78008230 POLYUREA PAVEMENT MARKING TYPE 1 - LINE 6"	78008240 POLYUREA PAVEMENT MARKING TYPE 1 - LINE 8"	78100100 RAISED REFLECTIVE PAVEMENT MARKERS	78300100 PAVEMENT MARKING REMOVAL	78300100 RAISED REFLECTIVE PAVEMENT MARKER REMOVAL
STATION	STATION	OFFSET			(FOOT)	(FOOT)	(SQ.FT)	(FOOT)	(FOOT)	(FOOT)	(EACH)	(SQ.FT)	(EACH)
SN 043-0003													
PRE-STAGE													
222+40	229+69	CL											9
STAGE 1													
222+60	223+90	LT	SOLID	WHITE		130	43					44	
223+90	227+20	LT	SOLID	WHITE		330	110					110	
227+20	228+50	LT	SOLID	WHITE		130	43					44	
222+60	223+90	LT	SOLID	YELLOW		130	43					44	
223+90	227+20	LT	SOLID	YELLOW		330	110					110	
227+20	228+50	LT	SOLID	YELLOW		130	43					44	
228+50	233+50	CL	SOLID	YELLOW		500	167					167	
STAGE 2													
222+65	228+50	RT	SOLID	WHITE		585	195						
222+65	228+50	RT	SOLID	YELLOW		585	195						
228+50	233+50	CL	SOLID	WHITE		500	167						
STAGE 3													
222+40	229+69	CL	SKIP DASH	WHITE	104		35						
229+69	233+50	CL	SKIP DASH	WHITE	56		19						
STAGE 4													
222+40	229+69	LT	SOLID	WHITE				729					
222+40	229+69	CL	SKIP DASH	WHITE					190		9		
222+40	229+69	RT	SOLID	YELLOW				729					
229+69	233+50	CL	SKIP DASH	WHITE					100				
SUBTOTAL					160	3,350	1,170	1,458	290	0	9	563	9

LOCATION			TYPE	COLOR	70300100 SHORT TERM PAVEMENT MARKING	70300220 TEMPORARY PAVEMENT MARKING - LINE 4"	70301000 WORK ZONE PAVEMENT MARKING REMOVAL	78008210 POLYUREA PAVEMENT MARKING TYPE 1 - LINE 4"	78008230 POLYUREA PAVEMENT MARKING TYPE 1 - LINE 6"	78008240 POLYUREA PAVEMENT MARKING TYPE 1 - LINE 8"	78100100 RAISED REFLECTIVE PAVEMENT MARKERS	78300100 PAVEMENT MARKING REMOVAL	78300100 RAISED REFLECTIVE PAVEMENT MARKER REMOVAL
STATION	STATION	OFFSET			(FOOT)	(FOOT)	(SQ.FT)	(FOOT)	(FOOT)	(FOOT)	(EACH)	(SQ.FT)	(EACH)
SN 043-0004													
PRE-STAGE													
333+11.50	344+33	CL											14
STAGE 1													
328+20	333+20	CL	SOLID	WHITE		500	167					167	
333+20	335+05	LT	SOLID	WHITE		185	62					62	
335+05	338+85	LT	SOLID	WHITE		380	127					127	
338+85	340+15	LT	SOLID	WHITE		130	43					44	
333+20	335+05	LT	SOLID	YELLOW		185	62					62	
335+05	338+85	LT	SOLID	YELLOW		380	127					127	
338+85	340+15	LT	SOLID	YELLOW		130	43					44	
STAGE 2													
328+20	333+20	CL	SOLID	YELLOW		500	167						
333+20	340+70	RT	SOLID	YELLOW		750	250						
333+20	340+70	RT	SOLID	WHITE		750	250						
STAGE 3													
328+20	333+11.50	CL	SKIP DASH	WHITE	68		23						
333+11.50	340+70	CL	SKIP DASH	WHITE	108		36						
STAGE 4													
328+20	333+11.50	CL	SKIP DASH	WHITE					130				
333+11.50	344+33	LT	SOLID	YELLOW				1,122					
333+11.50	344+33	CL	SKIP DASH	WHITE					290	15			
333+11.50	344+33	RT	SOLID	WHITE				1,122					
SUBTOTAL					176	3,890	1,357	2,243	420	0	15	633	14

LOCATION			TYPE	COLOR	70300100 SHORT TERM PAVEMENT MARKING	70300220 TEMPORARY PAVEMENT MARKING - LINE 4"	70301000 WORK ZONE PAVEMENT MARKING REMOVAL	78008210 POLYUREA PAVEMENT MARKING TYPE 1 - LINE 4"	78008230 POLYUREA PAVEMENT MARKING TYPE 1 - LINE 6"	78008240 POLYUREA PAVEMENT MARKING TYPE 1 - LINE 8"	78100100 RAISED REFLECTIVE PAVEMENT MARKERS	78300100 PAVEMENT MARKING REMOVAL	78300100 RAISED REFLECTIVE PAVEMENT MARKER REMOVAL
STATION	STATION	OFFSET			(FOOT)	(FOOT)	(SQ FT)	(FOOT)	(FOOT)	(FOOT)	(EACH)	(SQ FT)	(EACH)
SN 043-0005													
PRE-STAGE													
324+82	338+08	CL											17
STAGE 1													
325+95	327+25	LT	SOLID	WHITE		130	43					44	
327+25	331+05	LT	SOLID	WHITE		380	127					127	
331+05	332+95	LT	SOLID	WHITE		190	63					64	
325+95	327+25	LT	SOLID	YELLOW		130	43					44	
327+25	331+05	LT	SOLID	YELLOW		380	127					127	
331+05	332+95	LT	SOLID	YELLOW		190	63					64	
332+95	337+95	CL	SOLID	YELLOW		500	167					167	
STAGE 2													
325+30	332+95	RT	SOLID	WHITE		765	255						
325+30	332+95	RT	SOLID	YELLOW		765	255						
332+95	337+95	CL	SOLID	WHITE		500	167						
STAGE 3													
324+82	338+08	CL	SKIP DASH	WHITE	188		63						
STAGE 4													
324+82	338+08	LT	SOLID	WHITE				1,326					
324+82	338+08	CL	SKIP DASH	WHITE					340		17		
324+82	338+08	RT	SOLID	YELLOW				1,326					
SUBTOTAL					188	3,930	1,373	2,652	340	0	17	637	17

LOCATION			TYPE	COLOR	70300100 SHORT TERM PAVEMENT MARKING	70300220 TEMPORARY PAVEMENT MARKING - LINE 4"	70301000 WORK ZONE PAVEMENT MARKING REMOVAL	78008210 POLYUREA PAVEMENT MARKING TYPE 1 - LINE 4"	78008230 POLYUREA PAVEMENT MARKING TYPE 1 - LINE 6"	78008240 POLYUREA PAVEMENT MARKING TYPE 1 - LINE 8"	78100100 RAISED REFLECTIVE PAVEMENT MARKERS	78300100 PAVEMENT MARKING REMOVAL	78300100 RAISED REFLECTIVE PAVEMENT MARKER REMOVAL
STATION	STATION	OFFSET			(FOOT)	(FOOT)	(SQ.FT)	(FOOT)	(FOOT)	(FOOT)	(EACH)	(SQ.FT)	(EACH)
SN 043-0007													
PRE-STAGE													
482+06	492+42	CL											13
STAGE 1													
477+80	482+80	CL	SOLID	WHITE		500	167					167	
482+80	484+80	LT	SOLID	WHITE		200	67					67	
484+80	488+80	LT	SOLID	WHITE		400	133					134	
488+80	492+42	LT	SOLID	WHITE		362	121					121	
482+80	484+80	LT	SOLID	YELLOW		200	67					67	
484+80	488+80	LT	SOLID	YELLOW		400	133					134	
488+80	490+10	LT	SOLID	YELLOW		130	43					44	
STAGE 2													
477+80	482+80	CL	SOLID	YELLOW		500	167						
482+80	490+80	RT	SOLID	YELLOW		800	267						
482+80	490+80	RT	SOLID	WHITE		800	267						
STAGE 3													
477+80	482+06	CL	SKIP DASH	WHITE	64		21						
482+06	492+42	CL	SKIP DASH	WHITE	148		49						
STAGE 4													
477+80	482+06	CL	SKIP DASH	WHITE					110				
482+06	492+42	LT	SOLID	YELLOW			1,036						
482+06	492+42	CL	SKIP DASH	WHITE					260		13		
482+06	492+42	RT	SOLID	WHITE			1,036						
SUBTOTAL					212	4,292	1,502	2,072	370	0	13	734	13
TOTALS					1,264	32,390	11,220	12,087	2,850	160	71	4,438	70

LOCATION	40600982 HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT (SQ YD)	44000157 HOT-MIX ASPHALT SURFACE REMOVAL, 2" (SQ YD)	X4401198 HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH (SQ YD)
SN 043-0002			
STA. 221+04 TO STA. 224+05		1,081	
STA. 222+05 TO STA. 224+97, RT		130	
STA. 222+05 TO STA. 225+23, LT		142	
STA. 224+05 TO STA. 225+91.98			787
STA. 226+50 TO STA. 229+05, LT		114	
STA. 226+95.84 TO STA. 228+20			496
STA. 228+20 TO STA. 228+60	152		
STA. 228+60 TO STA. 229+00, RT		18	
SN 043-0003			
STA. 222+10 TO STA. 224+63, LT		113	
STA. 222+15 TO STA. 224+37, RT		99	
STA. 222+40 TO STA. 222+80	162		
STA. 222+80 TO STA. 224+32.12			610
STA. 225+90 TO STA. 228+90, LT		134	
STA. 226+37.18 TO STA. 227+10			296
STA. 226+85 TO STA. 229+00, RT		96	
STA. 227+10 TO STA. 229+69		899	
SN 043-0004			
STA. 332+80 TO STA. 334+10, RT		58	
STA. 332+80 TO STA. 336+16, LT		150	
STA. 333+11.50 TO STA. 335+30		940	
STA. 335+30 TO STA. 336+81.53			226
STA. 338+15 TO STA. 340+65, LT		112	
STA. 338+53.66 TO STA. 339+50			407
STA. 339+50 TO STA. 344+33		1,840	
STA. 340+65 TO STA. 341+10, RT		20	
SN 043-0005			
STA. 324+82 TO STA. 326+40		641	
STA. 324+90 TO STA. 326+40, RT		67	
STA. 325+45 TO STA. 327+90, LT		109	
STA. 326+40 TO STA. 327+56.67			493
STA. 329+90 TO STA. 333+45, LT		158	
STA. 330+28.80 TO STA. 331+05			330
STA. 331+05 TO STA. 338+08		2,910	
STA. 331+05 TO STA. 333+45, RT		107	

LOCATION	40600982 HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT (SQ YD)	44000157 HOT-MIX ASPHALT SURFACE REMOVAL, 2" (SQ YD)	X4401198 HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH (SQ YD)
SN 043-0006			
STA. 409+70 TO STA. 413+79, LT		182	
STA. 410+50 TO STA. 413+30, RT		125	
STA. 412+90 TO STA. 413+30	167		
STA. 413+30 TO STA. 413+43.14			60
STA. 415+05 TO STA. 419+95, LT		218	
STA. 415+45 TO STA. 415+85			180
STA. 415+85 TO STA. 419+11		1,391	
STA. 415+85 TO STA. 419+95, RT		183	
SN 043-0007			
STA. 482+06 TO STA. 484+10		862	
STA. 482+30 TO STA. 484+10, RT		80	
STA. 482+30 TO STA. 486+05, LT		167	
STA. 484+10 TO STA. 485+58.40			647
STA. 488+15 TO STA. 490+60, LT		109	
STA. 488+46.74 TO STA. 489+00			220
STA. 489+00 TO STA. 492+42		1,277	
STA. 490+50 TO STA. 491+30, RT		36	
TOTAL	481	14,568	4,752

LOCATION	OFFSET	20100500 TREE REMOVAL (ACRES)
SN 043-0002		
STA. 335+50	RT	0.03
STA. 338+00	RT	0.06
SN 043-0005		
STA. 328+00	LT	0.05
STA. 329+50	LT	0.15
SN 043-0007		
STA. 486+25	RT	0.05
STA. 488+00	RT	0.04
TOTAL		0.38
USE		0.50

LOCATION	66700305 PERMANENT SURVEY MARKERS, TYPE II (EACH)
SN 043-0006	1
SN 043-0007	1
TOTAL	2

THE EXACT LOCATION OF THE SURVEY MARKERS WILL DETERMINED BY THE DEPARTMENT DURING CONSTRUCTION

LOCATION	OFFSET	40600200	40600300	40600635	40603510	40603540	64200116	Z0062456
		BITUMINOUS MATERIAL (PRIME COAT) (TON)	AGGREGATE (PRIME COAT) (TON)	LEVELING BINDER (MACHINE METHOD) N70 (TON)	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 (TON)	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (TON)	SHOULDER RUMBLE STRIPS, 16 IN. (FOOT)	TEMPORARY PAVEMENT (SQ YD)
SN 043-0005								
STA. 324+82 TO STA. 327+56.67	LT	0.35	1.78		42	43	274	
STA. 324+82 TO STA. 327+56.67	RT	0.25	1.36		22	42	276	
STA. 324+90 TO STA. 326+40	RT				8			
STA. 325+45 TO STA. 327+90	LT				13			
STA. 326+40 TO STA. 327+56.67	LT			9	16			
STA. 326+40 TO STA. 327+56.67	RT			9	10			
STA. 329+90 TO STA. 333+45	LT				18			
STA. 330+28.80 TO STA. 331+05	LT			5	10			
STA. 330+28.80 TO STA. 331+05	RT			5	12			
STA. 330+28.80 TO STA. 338+08	LT	0.83	4.57		129	118	778	
STA. 330+28.80 TO STA. 338+08	RT	0.69	3.59		72	119	780	
STA. 331+05 TO STA. 333+45	RT				12			
SN 043-0006								
STA. 409+70 TO STA. 413+79	LT	0.05	0.29		21			
STA. 410+50 TO STA. 413+30	RT				14			
STA. 410+50 TO STA. 412+90	RT							43
STA. 412+90 TO STA. 413+43.14	LT	0.06	0.39		14	8	373	
STA. 412+90 TO STA. 413+43.14	RT	0.07	0.31		8	8	243	
STA. 415+05 TO STA. 419+95	LT				25			
STA. 415+45 TO STA. 419+11	LT	0.46	2.31		76	57	366	
STA. 415+45 TO STA. 419+11	RT	0.38	1.93		54	56	366	
STA. 415+85 TO STA. 419+95	RT	0.01	0.04		21			
SN 043-0007								
STA. 482+06 TO STA. 485+58.40	LT	0.44	2.12		47	54	359	
STA. 482+06 TO STA. 485+58.40	RT	0.45	2.43		61	54	346	
STA. 482+30 TO STA. 484+10	RT				9			
STA. 482+30 TO STA. 486+05	LT				19			
STA. 484+10 TO STA. 485+58.40	LT			10	21			
STA. 484+10 TO STA. 485+58.40	RT			10	21			
STA. 488+15 TO STA. 490+60	LT				13			
STA. 488+46.74 TO STA. 489+00	LT			4	3			
STA. 488+46.74 TO STA. 489+00	RT			4	11			
STA. 488+46.74 TO STA. 492+42	LT	0.27	1.48		21	60	386	
STA. 488+46.74 TO STA. 492+42	RT	0.45	2.38		65	60	404	
STA. 490+50 TO STA. 491+30	RT				4			
TOTAL		9	46	148	1,608	1,273	9,026	72

LOCATION	SHOULDER WIDTH (FOOT)
SN 043-0006	
STA. 412+90.00, LT	9.30
STA. 413+30.00, LT	9.30
STA. 413+43.14, LT	10.67
STA. 412+90.00, RT	6.00
STA. 413+30.00, RT	6.00
STA. 413+43.14, RT	6.17
STA. 415+45.00, LT	13.67
STA. 415+64.00, RT	13.00
STA. 417+88.50, LT	13.00
STA. 418+13.50, LT	20.00
STA. 418+38.50, LT	20.00
STA. 418+61.00, LT	10.00
419+11.00, LT	10.00
STA. 415+45.00, RT	9.17
STA. 415+50.00, RT	9.00
STA. 418+38.50, RT	9.00
STA. 418+63.50, RT	16.00
STA. 418+88.50, RT	16.00
STA. 419+11.00, RT	7.30
SN 043-0007	
STA. 482+06.00, LT	5.00
STA. 482+28.50, LT	16.00
STA. 482+53.50, LT	16.00
STA. 418+78.50, LT	9.00
STA. 485+62.00, LT	9.00
STA. 485+64.40, LT	8.94
STA. 482+06.00, RT	9.90
STA. 482+26.00, RT	9.90
STA3 482+46.00, RT	22.46
STA. 482+78.50, RT	22.46
STA. 483+03.50, RT	12.46
STA. 485+52.51, RT	8.92
STA. 488+55.39, LT	5.92
STA. 489+00.00, LT	4.00
STA. 492+42.00, LT	4.00
STA. 488+38.24, RT	8.92
STA. 489+52.00, RT	13.00
STA. 492+24.00, RT	13.00
STA. 492+42.00, RT	10.90

LOCATION	40600990 TEMPORARY RAMPS (SQ YD)
SN 043-0002	
STA. 221+04 TO STA. 221+14	27
STA. 224+81.98 TO STA. 224+91.88	42
STA. 226+95.84 TO STA. 227+05.84	39
STA. 228+50 TO STA. 228+60	32
SN 043-0003	
STA. 222+50 TO STA. 222+50	27
STA. 224+12.12 TO STA. 224+32.12	80
STA. 226+37.18 TO STA. 226+42.18	20
STA. 229+59 TO STA. 229+69	27
SN 043-0004	
STA. 333+11.50 TO STA. 333+21.50	27
STA. 335+76.53 TO STA. 335+81.53	21
STA. 338+53.66 TO STA. 338+63.66	42
STA. 334+23 TO STA. 334+33	27
SN 043-0005	
STA. 324+82 TO STA. 324+92	27
STA. 327+41.67 TO STA. 327+56.67	64
STA. 330+28.80 TO STA. 330+38.80	42
STA. 337+98 TO STA. 338+08	27
SN 043-0006	
STA. 412+90 TO STA. 413+00	43
STA. 413+33.14 TO STA. 413.43.14	46
STA. 415+45 TO STA. 415+50	23
STA. 419+01 TO STA. 419+11	36
SN 043-0007	
STA. 482+06 TO STA. 482+16	27
STA. 485+48.40 TO STA. 485+58.40	40
STA. 488+46.74 TO STA. 488+56.74	40
STA. 492+32 TO STA. 492+42	27
TOTAL	853


LOCATION	44000100 PAVEMENT REMOVAL (SQ YD)	Z0004552 APPROACH SLAB REMOVAL (SQ YD)
SN 043-0002		
STA. 224+91.98 TO STA. 224+97.98	16	
STA. 224+97.98 TO STA. 225+27.98		80
STA. 226+55.84 TO STA. 226+85.84		80
STA. 226+85.84 TO STA. 226+95.84	27	
SN 043-0003		
STA. 224+32.12 TO STA. 224+38.12	16	
STA. 224+38+12 TO STA. 224+68.12		80
STA. 225+95.18 TO STA. 226+25.18		80
STA. 226+25.18 TO STA. 226+37.18	32	
SN 043-0004		
STA. 335+81.53 TO STA. 335+87.53	16	
STA. 335+87.53 TO STA. 336+17.53		80
STA. 338+13.66 TO STA. 338+43.66		80
STA. 338+43.66 TO STA. 338+53.66	27	
SN 043-0005		
STA. 327+56.67 TO STA. 327+62.67	16	
STA. 327+62.67 TO STA. 327+92.67		80
STA. 329+88.80 TO STA. 330+18.80		80
STA. 330+18.80 TO STA. 330+28.80	27	
SN 043-0006		
STA. 413+43.14 TO STA. 413+49.14	16	
STA. 413+49.14 TO STA. 413+79.14		80
STA. 415+05.48 TO STA. 415+35.48		80
STA. 415+35.48 TO STA. 415+45.00	26	
SN 043-0007		
STA. 485+58.40 TO STA. 485+70.90	34	
STA. 485+70.90 TO STA. 486+00.90		80
STA. 488+10.24 TO STA. 488+40.24		80
STA. 488+40.24 TO STA. 488+46.74	18	
TOTAL	271	960

LOCATION	OFFSET	63200310 GUARDRAIL REMOVAL (FOOT)
SN 043-0002		
STA. 223+64 TO STA. 225+09	LT	150
STA. 224+41 TO STA. 225+19	RT	78
SN 043-0003		
STA. 226+01 TO STA. 226+77	LT	76
SN 043-0004		
STA. 334+25 TO STA. 336+03	LT	178
STA. 335+35 TO STA. 336+07	RT	72
STA. 338+23 TO STA. 338+68	LT	45
STA. 338+20 TO STA. 344+07	RT	587
SN 043-0005		
STA. 325+34 TO STA. 327+81	LT	247
STA. 326+61 TO STA. 327+83	RT	122
STA. 330+00 TO STA. 334+65	LT	465
STA. 329+98 TO STA. 331+35	RT	137
SN 043-0006		
STA. 415+16 TO STA. 416+29	LT	113
STA. 415+16 TO STA. 416+29	RT	113
SN 043-0007		
STA. 484+84 TO STA. 485+96	LT	112
STA. 484+06 TO STA. 485+85	RT	179
STA. 488+28 TO STA. 488+71	LT	52
STA. 488+14 TO STA. 492+17	RT	408
TOTAL		3,134

LOCATION	20200100	EARTH EXCAVATION ADJUSTED FOR SHRINKAGE	EMBANKMENT	EARTHWORK BALANCE WASTE(+) AND SHORTAGE (-)	21101615
	EARTH EXCAVATION				TOPSOIL FURNISH AND PLACE, 4"
	(CU YD)	(CU YD)	(CU YD)	(CU YD)	(SQ YD)
SN 043-0002					
STA. 221+04 TO STA. 225+26.82	124	93	138	-45	802
STA. 226+56.29 TO STA. 228+60	48	36	27	9	501
SN 043-0003					
STA. 222+40 TO STA. 224+66.86	31	23	12	11	97
STA. 225+95.78 TO STA. 229+69	75	56	27	29	374
SN 043-0004					
STA. 332+72 TO STA. 336+16.73	63	47	22	25	390
STA. 338+14.46 TO STA. 344+33	119	89	116	-27	629
SN 043-0005					
STA. 324+82 TO STA. 327+91.87	63	47	8	39	353
STA. 329+89.60 TO STA. 338+08	115	86	83	3	1,253
SN 043-0006					
STA. 412+90 TO STA. 413+78.31	18	14	9	5	126
STA. 415+06.31 TO STA. 419+11	71	53	21	32	498
SN 043-0007					
STA. 482+06.00 TO STA. 485+99.87	94	71	17	54	472
STA. 488+11.29 TO STA. 492+42.00	44	33	7	26	205
TOTAL	865	648	487	161	5,700

SHRINKAGE FACTOR FOR EARTH EXCAVATION = 25%

LOCATION	OFFSET	35101400	40800050	48101200	48102100
		AGGREGATE BASE COURSE, TYPE B	INDICENTAL HOT-MIX ASPHALT SURFACING	AGGREGATE SHOULDERS, TYPE B	AGGREGATE WEDGE SHOULDER, TYPE B
		(TON)	(TON)	(TON)	(TON)
SN 043-0002					
STA. 221+04 TO STA. 221+90	RT				2
STA. 226+90.43 TO STA. 228+60	LT			18	
STA. 227+04.01 TO STA. 228+60	RT			16	
SN 043-0003					
STA. 222+40 TO STA. 224+26.64	LT			21	
STA. 222+40 TO STA. 224+36.89	RT				7
STA. 226+43.48 TO STA. 226+85	RT			4	
STA. 226+85 TO STA. 229+69	RT				5
SN 043-0004					
STA. 337+98.50	LT	7	2		
STA. 338+54.71 TO STA. 338+65	LT			1	
STA. 338+65 TO STA. 344+33	LT				14
SN 043-0005					
STA. 334+18 TO STA. 338+08	RT				8
SN 043-0006					
STA. 418+61 TO STA. 419+11	LT				1
SN 043-0007					
STA. 482+06 TO STA. 482+26	RT				1
STA. 488+55.57 TO STA. 489+00	LT			4	
STA. 489+00 TO STA. 492+31	LT				7
TOTAL		7	2	64	45

USER NAME = #OPERATOR#	DESIGNED -	REVISED -		1701 ROUTE 35 NORTH EAST DUBUQUE, IL 61025 (815) 747-8833 DESIGN FIRM #184001038	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	US 20 SCHEDULE OF QUANTITIES	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FILE NAME = #FILES#	CHECKED -	REVISED -					301	(43B,44B,44HB,45B/D)	JO DAVIESS	309	33
PLOT DATE = Thu Dec 08 10:27:00	DRAWN -	REVISED -					CONTRACT NO. 64C94				
PLOT TIME = #TIME#	CHECKED -	REVISED -					ILLINOIS FED. AID PROJECT				
			SCALE: NTS	SHEET NO. 12 OF 18 SHEETS	STA.	TO STA.					

LOCATION	OFFSET	48203029 HOT-MIX ASPHALT SHOULDERS, 8" (SQ YD)
SN 043-0002		
STA. 221+04 TO STA. 225+07.50	LT	275
STA. 221+90 TO STA. 225+18.10	RT	324
STA. 226+90.43 TO STA. 228+60	LT	84
STA. 227+04.01 TO STA. 228+60	RT	133
SN 043-0003		
STA. 222+40 TO STA. 224+26.64	LT	167
STA. 226+03.61 TO STA. 229+69	LT	424
STA. 226+16.21 TO STA. 226+85	RT	35
SN 043-0004		
STA. 333+11.50 TO STA. 336+01.72	LT	165
STA. 333+11.50 TO STA. 336+03.53	RT	294
STA. 338+54.71 TO STA. 338+65	LT	6
STA. 338+27.67 TO STA. 344+33	RT	510
SN 043-0005		
STA. 324+82 TO STA. 327+76.87	LT	215
STA. 326+40 TO STA. 327+57.87	RT	114
STA. 330+04.58 TO STA. 338+08	LT	424
STA. 330+02.83 TO STA. 334+18	RT	244
SN 043-0006		
STA. 413+30 TO STA. 413+43.14	LT	15
STA. 412+90 TO STA. 413+43.14	RT	17
STA. 415+20.48 TO STA. 418+61	LT	196
STA. 415+20.48 TO STA. 419+11	RT	243
SN 043-0007		
STA. 482+06 TO STA. 485+96.62	LT	244
STA. 482+46 TO STA. 485+84.50	RT	293
STA. 488+28.93 TO STA. 489+00	LT	25
STA. 488+12.54 TO STA. 492+42	RT	368
TOTAL		4,815

LOCATION	OFFSET	63500105 DELINEATORS (EACH)
SN 043-0002		
STA. 221+39.35	LT	1
STA. 222+24.95	RT	1
STA. 226+56.29 TO STA. 228+60	LT	2
STA. 226+56.29 TO STA. 228+60	RT	2
SN 043-0003		
STA. 229+34.26	LT	1
SN 043-0004		
STA. 333+21.09	LT	1
STA. 333+22.88	RT	1
STA. 338+14.46 TO STA. 344+33	LT	5
SN 043-0005		
STA. 325+59.02 TO STA. 327+91.87	RT	2
STA. 334+00 TO STA. 338+08	RT	2
STA. 333+83.448	RT	1
STA. 337+72.68	LT	1
SN 043-0006		
STA. 418+26.13	LT	1
STA. 418+76.13	RT	1
SN 043-0007		
STA. 482+40.97	LT	1
STA. 482+66.35	RT	1
STA. 488+11.29 TO STA. 492+00.41	LT	3
TOTAL		27

LOCATION	OFFSET	44004250 PAVED SHOULDER REMOVAL (SQ YD)
SN 043-0002		
STA. 224+05 TO STA. 225+23	LT	53
STA. 224+96 TO STA. 225+30	RT	12
STA. 226+51 TO STA. 228+20	LT	76
STA. 226+60 TO STA. 228+35	RT	70
SN 043-0003		
STA. 222+40 TO STA. 224+63	LT	108
STA. 224+35 TO STA. 224+70	RT	12
STA. 225+91 TO STA. 227+50	LT	71
STA. 226+00 TO STA. 226+85	RT	38
SN 043-0004		
STA. 335+30 TO STA. 336+16	LT	39
STA. 334+10 TO STA. 336+17	RT	191
STA. 338+15 TO STA. 338+65	LT	23
STA. 338+14 TO STA. 340+65	RT	206
SN 043-0005		
STA. 326+13 TO STA. 327+91	LT	179
STA. 326+40 TO STA. 327+93	RT	61
STA. 329+90 TO STA. 331+72	LT	179
STA. 329+89 TO STA. 331+07	RT	59
SN 043-0006		
STA. 412+90 TO STA. 413+79	LT	92
STA. 412+90 TO STA. 413+79	RT	44
STA. 415+05 TO STA. 415+85	LT	89
STA. 415+05 TO STA. 415+85	RT	40
SN 043-0007		
STA. 485+67 TO STA. 486+05	LT	15
STA. 484+10 TO STA. 485+97	RT	193
STA. 488+16 TO STA. 489+00	LT	41
STA. 488+05 TO STA. 490+50	RT	259
TOTAL		2,150

LOCATION	OFFSET	63000001 STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS (FOOT)	63100045 TRAFFIC BARRIER TERMINAL, TYPE 2 (EACH)	63100070 TRAFFIC BARRIER TERMINAL, TYPE 5 (EACH)	63100085 TRAFFIC BARRIER TERMINAL, TYPE 6 (EACH)	63100167 TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT (EACH)	63100169 TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) FLARED (EACH)	63301210 REMOVE AND REERECT STEEL PLATE BEAM GUARDRAIL, TYPE A (FOOT)	63302700 REMOVE AND REERECT TRAFFIC BARRIER TERMINAL, TYPE 6 (EACH)
SN 043-0002									
STA. 221+39.35 TO STA. 221+89.35	LT						1		
STA. 221+89.35 TO STA. 224+64.35	LT	275.0							
STA. 224+64.35 TO STA. 225+08.10	LT				1				
STA. 222+24.95 TO STA. 222+74.95	RT						1		
STA. 222+74.95 TO STA. 224+74.95	RT	200.0							
STA. 224+74.95 TO STA. 225+18.70	RT				1				
SN 043-0003									
STA. 226+03.01 TO STA. 226+46.76	LT				1				
STA. 226+46.76 TO STA. 228+84.26	LT	237.5							
STA. 228+84.26 TO STA. 229+34.26	LT						1		
STA. 226+15.61 TO STA. 226+59.36	RT								1
STA. 226+59.36 TO STA. 226+84.36	RT							25	
SN 043-0004									
STA. 333+21.07 TO STA. 333+71.07	LT					1			
STA. 333+71.07 TO STA. 335+58.57	LT	187.5							
STA. 335+58.57 TO STA. 336+02.32	LT				1				
STA. 333+22.88 TO STA. 333+72.88	RT					1			
STA. 333+72.88 TO STA. 335+60.38	RT	187.5							
STA. 335+30.38 TO STA. 336+04.13	RT				1				
STA. 338+27.66 TO STA. 338+42.33	RT			1					
STA. 338+42.33 TO STA. 343+92.33	RT	550.0							
STA. 343+92.33 TO STA. 344+01.83	RT		1						
SN 043-0005									
STA. 325+12.20 TO STA. 325+24.70	LT		1						
STA. 325+24.70 TO STA. 327+62.20	LT	237.5							
STA. 327+62.20 TO STA. 327+76.87	LT			1					
STA. 330+03.93 TO STA. 330+47.68	LT				1				
STA. 330+47.68 TO STA. 337+22.68	LT	675.0							
STA. 337+22.68 TO STA. 337+72.68	LT						1		
STA. 330+02.23 TO STA. 330+45.98	RT				1				
STA. 330+45.98 TO STA. 333+33.48	RT	287.5							
STA. 333+33.48 TO STA. 333+83.48	RT						1		

LOCATION	OFFSET	63000001 STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS (FOOT)	63100045 TRAFFIC BARRIER TERMINAL, TYPE 2 (EACH)	63100070 TRAFFIC BARRIER TERMINAL, TYPE 5 (EACH)	63100085 TRAFFIC BARRIER TERMINAL, TYPE 6 (EACH)	63100167 TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT (EACH)	63100169 TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) FLARED (EACH)	63301210 REMOVE AND REERECT STEEL PLATE BEAM GUARDRAIL, TYPE A (FOOT)	63302700 REMOVE AND REERECT TRAFFIC BARRIER TERMINAL, TYPE 6 (EACH)
SN 043-0006									
STA. 415+19.88 TO STA. 415+63.63	LT				1				
STA. 415+63.63 TO STA. 417+76.13	LT	212.5							
STA. 417+76.13 TO STA. 418+26.13	LI						1		
STA. 415+19.88 TO STA. 415+63.63	RT				1				
STA. 415+63.63 TO STA. 418+26.13	RT	262.5							
STA. 418+26.13 TO STA. 418+76.13	RT						1		
SN 043-0007									
STA. 482+40.97 TO STA. 482+90.97	LT						1		
STA. 482+90.97 TO STA. 485+53.47	LT	262.5							
STA. 485+53.47 TO STA. 485+97.22	LT				1				
STA. 482+66.35 TO STA. 483+16.35	RT						1		
STA. 483+16.35 TO STA. 485+41.35	RT	225.0							
STA. 485+41.35 TO STA. 485+85.10	RT				1				
STA. 488+12.54 TO STA. 488+27.21	RT			1					
STA. 488+27.21 TO STA. 492+02.21	RT	375.0							
STA. 492+02.21 TO STA. 492+14.71	RT		1						
TOTAL		4,175.0	3	3	11	2	9	25	1

LOCATION	OFFSET	Z00302060	Z0030330
		IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3	IMPACT ATTENUATORS, RELOCATE (FULLY REDIRECTIVE) TEST LEVEL 3
		(EACH)	(EACH)
SN 043-0002			
STA. 222+90.29	LT		1
STA. 222+90.29	RT	1	
SN 043-0003			
STA. 228+34.71	RT	1	
STA. 228+34.71	LT		1
SN 043-0004			
STA. 333+77.62	LT		1
STA. 333+77.62	RT	1	
SN 043-0005			
STA. 332+45.05	RT	1	
STA. 332+45.05	LT		1
SN 043-0006			
STA. 317+87.38	LT		1
STA. 317+87.38	RT	1	
SN 043-0007			
STA. 483+39.95	RT	1	
STA. 483+39.95	LT		1
TOTAL		6	6

LOCATION	70400100	70400200
	TEMPORARY CONCRETE BARRIER (FOOT)	RELOCATE TEMPORARY CONCRETE BARRIER (FOOT)
SN 043-0002		
STAGE 1		
STA. 222+90.29 TO STA. 227+09	418.11	
STAGE 2		
STA. 222+90.29 TO STA. 227+09		418.11
SN 043-0003		
STAGE 1		
STA. 224+16 TO STA. 228+34.71	418.11	
STAGE 2		
STA. 224+16 TO STA. 228+34.71		418.11
SN 043-0004		
STAGE 1		
STA. 333+77.62 TO STA. 338+59.00	481.46	
STAGE 2		
STA. 333+77.62 TO STA. 338+59.00		481.46
SN 043-0005		
STAGE 1		
STA. 327+51.00 TO STA. 332+45.05	494.13	
STAGE 2		
STA. 327+51.00 TO STA. 332+45.05		494.13
SN 043-0006		
STAGE 1		
STA. 412+81.00 TO STA. 417+87.38	506.80	
STAGE 2		
STA. 412+81.00 TO STA. 417+87.38		506.80
SN 043-0007		
STAGE 1		
STA. 483+39.95 TO STA. 488+59.00	519.47	
STAGE 2		
STA. 483+39.95 TO STA. 488+59.00		519.47
TOTAL	2,838	2,838

LOCATION	OFFSET	TOTAL AREA SEEDING		25000210 SEEDING, CLASS 2A	NITROGEN FERTILIZER NUTRIENT (90LBS/ACRE)	PHOSPHORUS FERTILIZER NUTRIENT (90LBS/ACRE)	POTASSIUM FERTILIZER NUTRIENT (90LBS/ACRE)	25000750 MOWING	25100630 EROSION CONTROL BLANKET	28000250* TEMPORARY EROSION CONTROL SEEDING (100LBS/ACRE)
		SQ FT	ACRE	(ACRE)	(POUND)	(POUND)	(POUND)	(ACRE)	(SQ YD)	(POUND)
SN 043-0002										
STA. 221+04 TO STA. 225+26.82	LT	1675	0.04	0.04	4	4	4	0.04	187	12
STA. 221+04 TO STA. 225+26.82	RT	7037	0.17	0.17	16	16	16	0.17	782	51
STA. 226+56.29 TO STA. 228+60	LT	1357	0.04	0.04	4	4	4	0.04	151	12
STA. 226+56.29 TO STA. 228+60	RT	2165	0.05	0.05	5	5	5	0.05	241	15
SN 043-0003										
STA. 222+40 TO STA. 224+66.86	LT	557	0.02	0.02	2	2	2	0.02	62	6
STA. 222+40 TO STA. 224+66.86	RT	300	0.01	0.01	1	1	1	0.01	34	3
STA. 225+95.78 TO STA. 229+69	LT	1992	0.05	0.05	5	5	5	0.05	222	15
STA. 225+95.78 TO STA. 229+69	RT	100	0.01	0.01	1	1	1	0.01	12	3
SN 043-0004										
STA. 333+11.50 TO STA. 336+16.73	LT	4486	0.11	0.11	10	10	10	0.11	499	33
STA. 332+11.50 TO STA. 336+16.73	RT	1423	0.04	0.04	4	4	4	0.04	159	12
STA. 338+14.46 TO STA. 344+33	LT	1965	0.05	0.05	5	5	5	0.05	219	15
STA. 338+14.46 TO STA. 344+33	RT	3599	0.09	0.09	9	9	9	0.09	400	27
STA. 043-0005										
STA. 324+82 TO STA. 327+91.87	LT	2021	0.05	0.05	5	5	5	0.05	225	15
STA. 324+82 TO STA. 327+91.87	RT	300	0.01	0.01	1	1	1	0.01	34	3
STA. 329+89.60 TO STA. 338+08	LT	6034	0.14	0.14	13	13	13	0.14	671	42
STA. 329+89.60 TO STA. 338+08	RT	4273	0.10	0.10	9	9	9	0.10	475	30
SN 043-0006										
STA. 412+90 TO STA. 413+78.31	LT	509	0.02	0.02	2	2	2	0.02	57	6
STA. 412+90 TO STA. 413+78.31	RT	546	0.02	0.02	2	2	2	0.02	61	6
STA. 415+06.31 TO STA. 419+11	LT	3275	0.08	0.08	8	8	8	0.08	364	24
STA. 415+06.31 TO STA. 419+11	RT	1800	0.05	0.05	5	5	5	0.05	200	15
SN 043-0007										
STA. 482+06 TO STA. 485+99.87	LT	1686	0.04	0.04	4	4	4	0.04	188	12
STA. 482+06 TO STA. 485+99.87	RT	1093	0.03	0.03	3	3	3	0.03	122	9
STA. 488+11.29 TO STA. 492+42	LT	400	0.01	0.01	1	1	1	0.01	45	3
STA. 488+11.29 TO STA. 492+42	RT	850	0.02	0.02	2	2	2	0.02	95	6
TOTAL		49443	1.25	1.25	121	121	121	1.25	5,505	375

* ASSUMED 3 APPLICATIONS

LOCATION	42001420 BRIDGE APPROACH CONNECTOR PAVEMENT (PCC)
	(SQ YD)
SN 043-0002	
STA. 224+91.98 TO STA. 224+97.98	25
STA. 226+85.84 TO STA. 226+95.84	40
SN 043-0003	
STA. 224+32.12 TO STA. 224+38.12	25
STA. 226+25.18 TO STA. 226+37.18	49
SN 043-0004	
STA. 335+81.53 TO STA. 335+87.53	26
STA. 338+43.66 TO STA. 338+53.66	42
SN 043-0005	
STA. 327+56.67 TO STA. 327+62.67	26
STA. 330+18.80 TO STA. 330+28.80	42
SN 043-0006	
STA. 413+43.14 TO STA. 413+49.14	28
STA. 415+35.48 TO STA. 415+45	44
SN 043-0007	
STA. 485+58.40 TO STA. 485+70.40	48
STA. 488+40.74 TO STA. 488+46.74	24
TOTAL	419

LOCATION	OFFSET	28000305 TEMPORARY DITCH CHECKS (FOOT)	28,000,400 PERIMETER EROSION BARRIER (FOOT)	28000500 INLET AND PIPE PROTECTION (EACH)	28100107 STONE RIPRAP, CLASS A4 (SQ YD)	28200200 FILTER FABRIC (SQ YD)
SN 043-0002						
STA. 223+50	RT	8				
STA. 223+55 TO STA. 225+88			341			
STA. 224+67	41' LT			1		
STA. 226+87	39' LT			1		
STA. 226+97	52' RT				3	3
STA. 225+90 TO STA. 228+50			337			
SN 043-0003						
STA. 222+40 TO STA. 225+25			390			
STA. 225+40 TO STA. 229+69			590			
STA. 226+39	38' RT				3	3
SN 043-0004						
STA. 333+10 TO STA. 337+18			556			
STA. 332+72	39' LT			1	5	5
STA. 333+25	37' LT			1	5	5
STA. 335+37	37.5' LT			1	5	5
STA. 337+40 TO STA. 344+33			875			
STA. 338+49.55	33' LT				3	3
STA. 338+96	39' LT			1	10	10
SN 043-0005						
STA. 324+74 TO STA. 328+80			558			
STA. 328+75 TO STA. 338+08			1,113			
STA. 330+24.30	87' LT				3	3
SN 043-0006						
STA. 412+90 TO STA. 414+20	LT		171			
STA. 412+90 TO STA. 414+20	RT		171			
STA. 414+65 TO STA. 419+11	LT		550			
STA. 414+65 TO STA. 419+11	RT		539			
STA. 415+40	90' LT				3	3
STA. 415+40	88' RT				3	3
STA. 043-0007						
STA. 482+06 TO STA. 486+80	LT		521			
STA. 482+06 TO STA. 482+30	RT		26			
STA. 482+45 TO STA. 487+70	RT		515			
STA. 485+67.50	58' LT				3	3
STA. 487+40 TO STA. 492+35	LT		523			
STA. 487+00 TO STA. 492+42	RT		671			
TOTAL		8	8,447	6	46	46

LOCATION	OFFSET	78200410 GUARDRAIL MARKERS, TYPE A (EACH)	78200520 BARRIER WALL MARKERS, TYPE B (EACH)	78201000 TERMINAL MARKERS - DIRECT APPLIED (EACH)
SN 043-0002				
STA. 221+39.35	LT			1
STA. 221+39.35 TO STA. 225+07.5	LT	4		
STA. 225+07.50 TO STA. 226+63.71	LT		2	
STA. 222+24.95	RT			1
STA. 222+24.95 TO STA. 225+18.10	RT	4		
STA. 225+18.10 TO STA. 226+76.76	RT		2	
SN 043-0003				
STA. 225+07.50 TO STA. 226+03.61	LT		2	
STA. 226+03.61 TO STA. 229+34.26	LT	4		
STA. 229+34.26	LT			1
STA. 224+57.88 TO STA. 226+16.21	RT		2	
STA. 226+16.21 TO STA. 229+57	RT	4		
SN 043-0004				
STA. 333+21.07	LT			1
STA. 333+21.07 TO STA. 336+01.72	LT	3		
STA. 336+01.72 TO STA. 338+29.46	LT		2	
STA. 333+22.88				1
STA. 333+22.88 TO STA. 336+03.53	RT	3		
STA. 336+03.53 TO STA. 338+27.66	RTT		2	
STA. 338+27.66 TO STA. 344+04.83	RT	3		
SN 043-0005				
STA. 325+12.20 TO STA. 327+76.87	LT	1		
STA. 327+76.87 TO STA. 330+04.53	LT		2	
STA. 330+04.53 TO STA. 337+72.68	LT	6		
STA. 337+72.68	LT			1
STA. 327+78.71 TO STA. 330+02.83	RT		2	
STA. 330+02.83 TO STA. 333+83.48	RT	5		
STA. 333+83.48	RT			1
SN 043-0006				
STA. 413+64.14 TO STA. 415+20.48	LT		2	
STA. 415+20.48 TO STA. 418.26+13	LT	4		
STA. 418+26.13	LT			1
STA. 413+64.14 TO STA. 415+20.48	RT		2	
STA. 415+20.48 TO STA. 418+76.13	RT	4		
STA. 418+76.13	RT			1
SN 043-0007				
STA. 482+40.97	LT			1
STA. 482+40.97 TO STA. 485+96.62	LT	4		
STA. 485+96.62 TO STA. 488+28.78	LT		2	
STA. 482+66.35	RT			1
STA. 482+66.35 TO STA. 485+84.50	RT	4		
STA. 485+84.50 TO STA. 488+12.54	RT		2	
STA. 488+12.54 TO STA. 492+14.71	RT	2		
TOTALS		55	24	11

USER NAME = *OPERATOR*	DESIGNED -	REVISED -
FILE NAME = *FILES*	CHECKED -	REVISED -
PLOT DATE = Thu Dec 08 10:28:54	DRAWN -	REVISED -
PLOT TIME = *TIME*	CHECKED -	REVISED -

WHKS & CO.
ENGINEERING

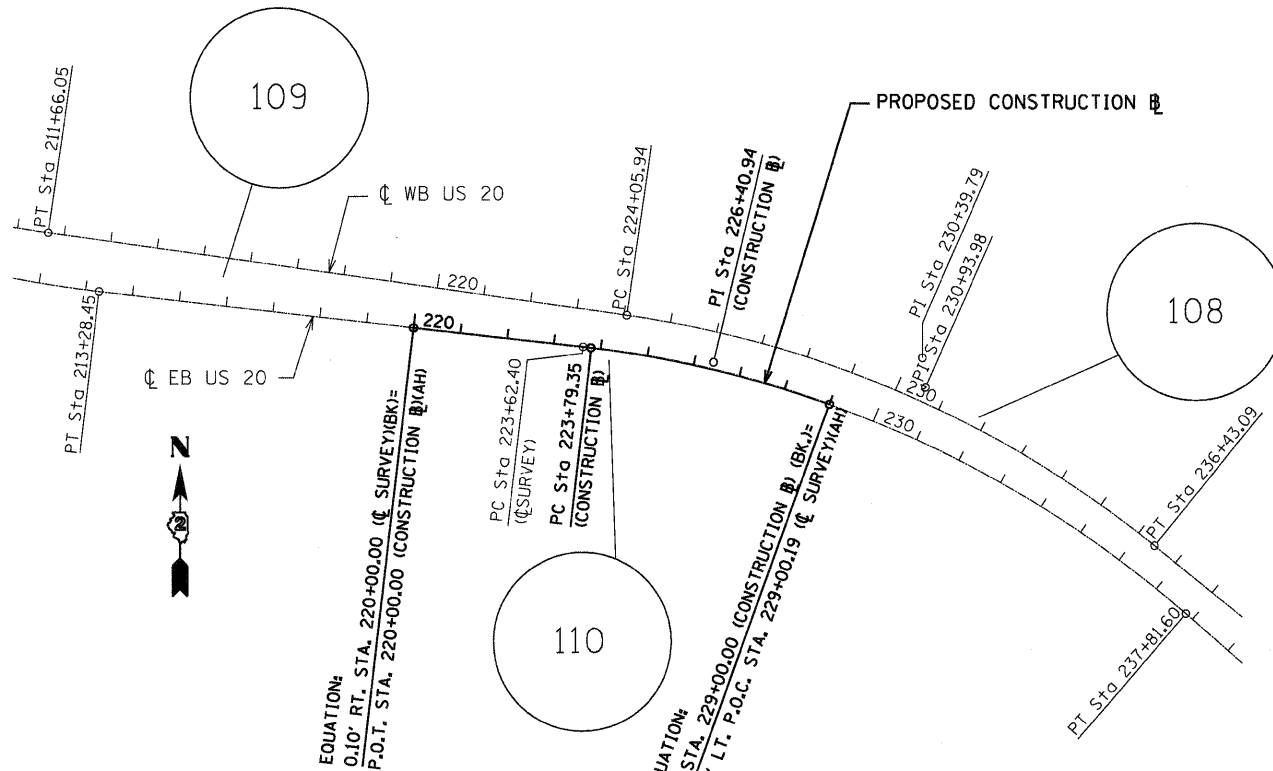
1701 ROUTE 35 NORTH
EAST DUBUQUE, IL 61026
(815) 747-8833
DESIGN FIRM #184001036

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**US 20
SCHEDULE OF QUANTITIES**

SCALE: NTS SHEET NO. 18 OF 18 SHEETS STA. TO STA.

F.A.P. RTE. 301	SECTION (43B,44B,44HB,45B)D	COUNTY JO DAVIESS	TOTAL SHEETS 309	SHEET NO. 39
CONTRACT NO. 64C94			ILLINOIS FED. AID PROJECT	



PROPOSED CONSTRUCTION
Chain PRCLB002 contains:
PRCL1 CUR PRO02REL-1 PRCL6

Beginning chain PRCLB002 description

Point PRCL1 N 2,112,360.7550 E 2,183,377.1005 Sta 220+00.00
Course from PRCL1 to PC PRO02REL-1 S 83° 18' 54.6" E Dist 379.3515'

Curve PRO02REL-1
P.I. Station 226+40.94 N 2,112,286.1449 E 2,184,013.6794

Curve Data

Delta = 13° 14' 47.6" (RT)
Degree = 2° 32' 35.9"
Tangent = 261.5848'
Length = 520.8371'
Radius = 2,252.7958'
External = 15.1362'
Long Chord = 519.6779'
Mid. Ord. = 15.0352'
P.C. Station 223+79.35 N 2,112,316.5954 E 2,183,753.8730
P.T. Station 229+00.19 N 2,112,196.9720 E 2,184,259.5956
C.C. N 2,110,079.1153 E 2,183,491.6295

Equation: Sta 229+00.19 (BK) = Sta 229+00.00 (AH)

End Region 1
Begin Region 2

Point PRCL6 N 2,112,196.9720 E 2,184,259.5956 Sta 229+00.00

Ending chain PRCLB002 description

BENCH MARKS							
POINT	NORTH	EAST	ELEVATION	CHAIN	STATION	OFFSET	DESCRIPTION
403	2112328.9262	2184029.9514	613.1567	WBUS20	226+14.59	19.0748' RT	CHISELED SQUARE ON SE PAPANET, WB STRUCTURE
472	2112163.2279	2184452.0987	610.4231	WBUS20	230+74.10	37.3255' RT	CHISELED SQUARE ON W HEADWALL AT MEDIAN CROSSOVER

SURVEY ☐
Chain EBUS20 contains:

A41 CUR 210 CUR 220 CUR 230 CUR 240 CUR 250 CUR 260A CUR 260B
CUR 270 CUR 280 CUR 290 CUR 300 CUR 310 CUR 1210 CUR 1220 CUR 320
CUR 330 CUR 340 CUR 350 CUR 360 CUR 370 CUR 380 CUR 390 CUR 1200
CUR 1350

Curve Data

Curve 230
P.I. Station 207+91.45 N 2,112,504.0155 E 2,182,155.6518
Delta = 27° 20' 30.52" (LT)
Degree = 2° 29' 46.82"
Tangent = 558.2731'
Length = 1,095.2766'
Radius = 2,295.1927'
External = 66.9204'
Long Chord = 1,084.9136'
Mid. Ord. = 65.0245'
P.C. Station 202+33.18 N 2,112,816.4111 E 2,181,692.9664
P.T. Station 213+28.45 N 2,112,439.0305 E 2,182,710.1298
C.C. N 2,114,718.6205 E 2,182,977.2985

Course from PT 230 to PC 240 S 83° 18' 55.48" E Dist 1,033.9474'

Curve Data

Curve 240
P.I. Station 230+93.98 N 2,112,233.5165 E 2,184,463.6575
Delta = 34° 18' 03.46" (RT)
Degree = 2° 25' 00.91"
Tangent = 731.5824'
Length = 1,419.2017'
Radius = 2,370.6120'
External = 110.3181'
Long Chord = 1,398.1031'
Mid. Ord. = 105.4126'
P.C. Station 223+62.40 N 2,112,318.6753 E 2,183,737.0484
P.T. Station 237+81.60 N 2,111,753.6945 E 2,185,015.9108
C.C. N 2,109,964.1788 E 2,183,461.1007

Course from PT 240 to PC 250 S 49° 00' 52.02" E Dist 776.8101'

Curve Data

Curve 250
P.I. Station 247+83.09 N 2,111,096.8521 E 2,185,771.9065
Delta = 20° 32' 25.64" (RT)
Degree = 4° 37' 14.71"
Tangent = 224.6746'
Length = 444.5262'
Radius = 1,239.9664'
External = 20.1905'
Long Chord = 442.1496'
Mid. Ord. = 19.8670'
P.C. Station 245+58.41 N 2,111,244.2091 E 2,185,602.3053
P.T. Station 250+02.94 N 2,110,899.3557 E 2,185,879.0223
C.C. N 2,110,308.1895 E 2,184,789.0503

NOTE: SURVEY DATA PROVIDED
BY THE ILLINOIS DEPARTMENT
OF TRANSPORTATION.

Chain WBUS20 contains:

A40 CUR 200 CUR 1230 CUR 1240 CUR 1250 CUR 1260 CUR 1270 CUR 1280
CUR 1290 CUR 1300 CUR 1310 CUR 1320 CUR 1330 CUR 1340 CUR A025340
CUR A025330 CUR A025320 CUR A025310

Curve Data

Curve 1240
P.I. Station 206+57.06 N 2,112,640.0376 E 2,182,080.9335
Delta = 25° 51' 57.24" (LT)
Degree = 2° 29' 48.64"
Tangent = 526.9516'
Length = 1,035.9431'
Radius = 2,294.7266'
External = 59.7262'
Long Chord = 1,027.1685'
Mid. Ord. = 58.2111'
P.C. Station 201+30.11 N 2,112,935.5426 E 2,181,644.6368
P.T. Station 211+66.05 N 2,112,564.4787 E 2,182,602.4398
C.C. N 2,114,835.4925 E 2,182,931.4781

Course from PT 1240 to PC 1250 S 81° 45' 21.62" E Dist 1,239.8903'

Curve Data

Curve 1250
P.I. Station 230+39.79 N 2,112,295.8053 E 2,184,456.8167
Delta = 30° 44' 07.58" (RT)
Degree = 2° 29' 03.74"
Tangent = 633.8491'
Length = 1,237.1517'
Radius = 2,306.2489'
External = 85.5179'
Long Chord = 1,222.3714'
Mid. Ord. = 82.4602'
P.C. Station 224+05.94 N 2,112,386.6922 E 2,183,829.5176
P.T. Station 236+43.09 N 2,111,897.0880 E 2,184,949.5531
C.C. N 2,110,104.2751 E 2,183,498.8272

Course from PT 1250 to PC 1260 S 51° 01' 14.04" E Dist 320.0331'

Curve Data

Curve 1260
P.I. Station 249+66.79 N 2,111,064.4279 E 2,185,978.5578
Delta = 47° 21' 47.25" (LT)
Degree = 2° 30' 13.45"
Tangent = 1,003.6638'
Length = 1,891.6974'
Radius = 2,288.4106'
External = 210.4220'
Long Chord = 1,838.2944'
Mid. Ord. = 192.7027'
P.C. Station 239+63.12 N 2,111,695.7740 E 2,185,198.3378
P.T. Station 258+54.82 N 2,111,210.7636 E 2,186,971.4964
C.C. N 2,113,474.7198 E 2,186,637.8427

CURVE POINT NUMBERS

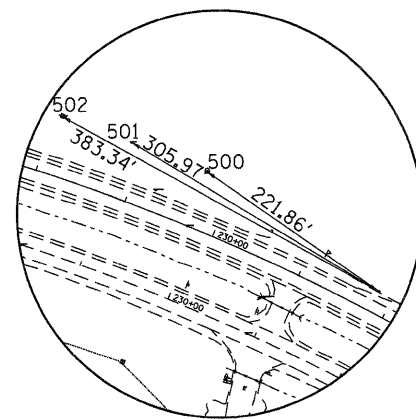
CHAIN	CURVE	PI	CC	PC	PT
EBUS20	230	230	231	232	233
EBUS20	240	240	241	242	243
EBUS20	250	250	251	252	253
WBUS20	1240	1240	1241	1242	1243
WBUS20	1250	1250	1251	1252	1253
WBUS20	1260	1260	1261	1262	1263

CURVE POINT NUMBERS

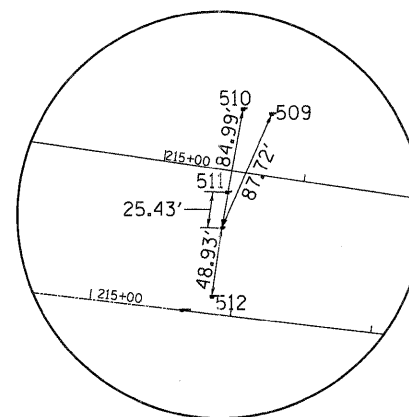
CHAIN	CURVE	PI	CC	PC	PT
PRCLB002	PRO02REL-1	PRCL3	PRCL7	PRCL2	PRCL6

SURVEY WORK POINTS							
POINT	NORTH	EAST	ELEVATION	CHAIN	STATION	OFFSET	DESCRIPTION
108	2112169.4690	2184576.6420	613.2135	WBUS20	231+83.43	23.2813' LT	PIN, SET PIN FOR CONTROL
109	2112469.4570	2182973.6320	640.5898	WBUS20	215+47.03	40.8149' RT	DISK, CONCRETE
110	2112290.4710	2183791.7720	615.0683	EBUS20	224+20.55	20.9356' RT	CONCRETE, SET PIN FOR CONTROL

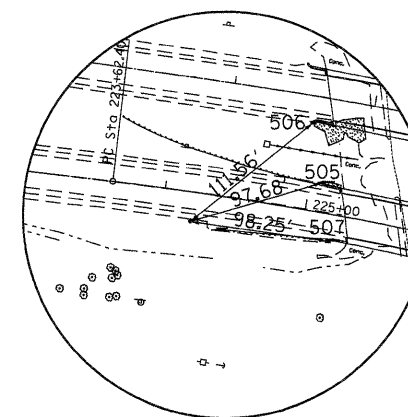
REFERENCE TIES					
POINT	CHAIN	STATION	OFFSET	DESCRIPTION	
500	WBUS20	229+68.64	60.9916' LT	SHINER, TREE DECIDUOUS	
501	WBUS20	228+85.01	60.9061' LT	SHINER, FENCE POST	
502	WBUS20	228+08.62	62.3944' LT	SHINER, POWER POLE	
505	EBUS20	225+08.83	20.9153' LT	CROSS CUT, HUB GUARD	
506	WBUS20	224+58.99	18.532' RT	CROSS CUT, HUB GUARD	
507	EBUS20	225+19.63	19.0917' RT	CROSS CUT, HUB GUARD	
509	WBUS20	215+70.47	43.7189' LT	SHINER, TREE DECIDUOUS	
510	WBUS20	215+49.92	44.1271' LT	SHINER, TREE DECIDUOUS	
511	WBUS20	215+47.20	15.3815' RT	SHINER, PAVEMENT - EDGE	
512	EBUS20	215+85.38	11.9752' LT	SHINER, PAVEMENT - EDGE	



HORIZONTAL CONTROL POINT NO. 108

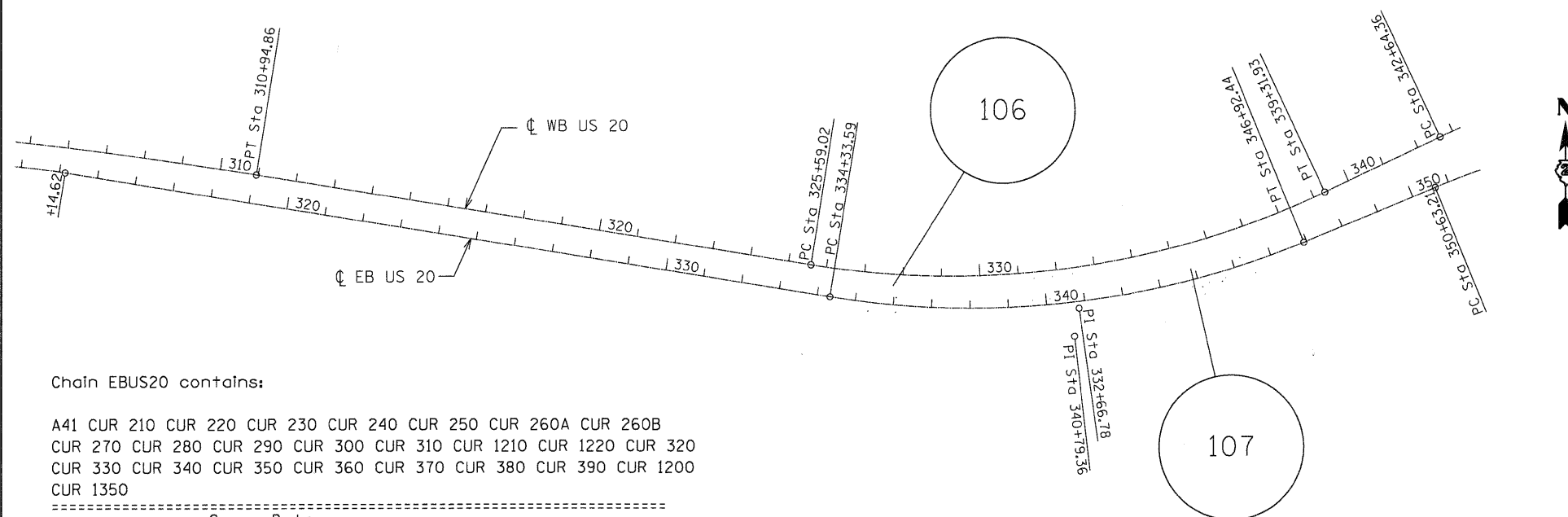


HORIZONTAL CONTROL POINT NO. 109



HORIZONTAL CONTROL POINT NO. 110

NOTE: SURVEY DATA PROVIDED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION.



Chain WBUS20 contains:

A40 CUR 200 CUR 1230 CUR 1240 CUR 1250 CUR 1260 CUR 1270 CUR 1280
 CUR 1290 CUR 1300 CUR 1310 CUR 1320 CUR 1330 CUR 1340 CUR A025340
 CUR A025330 CUR A025320 CUR A025310

Curve Data

Curve 1270
 P.I. Station 289+22.57 N 2,111,658.0458 E 2,190,006.4623
 Delta = 17° 30' 50.43" (RT)
 Degree = 0° 23' 59.83"
 Tangent = 2,206.7128'
 Length = 4,379.0066'
 Radius = 14,325.5962'
 External = 168.9644'
 Long Chord = 4,361.9779'
 Mid. Ord. = 166.9948'
 P.C. Station 267+15.86 N 2,111,336.3038 E 2,187,823.3308
 P.T. Station 310+94.86 N 2,111,307.8836 E 2,192,185.2160
 C.C. N 2,097,163.7928 E 2,189,912.0238

Course from PT 1270 to PC 1280 S 80° 52' 10.87" E Dist 1,464.1532'

Curve Data

Curve 1280
 P.I. Station 332+66.78 N 2,110,963.2435 E 2,194,329.6103
 Delta = 34° 19' 56.58" (LT)
 Degree = 2° 30' 02.54"
 Tangent = 707.7592'
 Length = 1,372.9085'
 Radius = 2,291.1855'
 External = 106.8249'
 Long Chord = 1,352.4608'
 Mid. Ord. = 102.0662'
 P.C. Station 325+59.02 N 2,111,075.5511 E 2,193,630.8184
 P.T. Station 339+31.93 N 2,111,264.6159 E 2,194,969.9991
 C.C. N 2,113,337.7073 E 2,193,994.3848

Course from PT 1280 to PC 1290 N 64° 47' 52.55" E Dist 332.4376'

Curve Data

Curve 1290
 P.I. Station 351+78.12 N 2,111,795.2610 E 2,196,097.5717
 Delta = 43° 27' 31.76" (RT)
 Degree = 2° 29' 56.41"
 Tangent = 913.7583'
 Length = 1,739.0473'
 Radius = 2,292.7468'
 External = 175.3784'
 Long Chord = 1,697.6581'
 Mid. Ord. = 162.9165'
 P.C. Station 342+64.36 N 2,111,406.1718 E 2,195,270.7925
 P.T. Station 360+03.41 N 2,111,509.0027 E 2,196,965.3334
 C.C. N 2,109,331.6677 E 2,196,247.0715

Course from PT 1290 to PC 1300 S 71° 44' 35.69" E Dist 292.2535'

=====

Chain EBUS20 contains:

A41 CUR 210 CUR 220 CUR 230 CUR 240 CUR 250 CUR 260A CUR 260B
 CUR 270 CUR 280 CUR 290 CUR 300 CUR 310 CUR 1210 CUR 1220 CUR 320
 CUR 330 CUR 340 CUR 350 CUR 360 CUR 370 CUR 380 CUR 390 CUR 1200
 CUR 1350

Curve Data

Curve 280
 P.I. Station 309+75.77 N 2,111,385.6217 E 2,191,240.5441
 Delta = 24° 03' 46.37" (RT)
 Degree = 2° 42' 02.18"
 Tangent = 452.1747'
 Length = 891.0176'
 Radius = 2,121.5892'
 External = 47.6509'
 Long Chord = 884.4838'
 Mid. Ord. = 46.6042'
 P.C. Station 305+23.60 N 2,111,269.2979 E 2,190,803.5880
 P.T. Station 314+14.62 N 2,111,313.6728 E 2,191,686.9579
 C.C. N 2,109,219.1134 E 2,191,349.3757

Course from PT 280 to PC 290 S 80° 50' 39.55" E Dist 2,018.9751'

Curve Data

Curve 290
 P.I. Station 340+79.36 N 2,110,889.6650 E 2,194,317.7534
 Delta = 31° 29' 54.55" (LT)
 Degree = 2° 30' 07.81"
 Tangent = 645.7702'
 Length = 1,258.8471'
 Radius = 2,289.8442'
 External = 89.3165'
 Long Chord = 1,243.0544'
 Mid. Ord. = 85.9634'
 P.C. Station 334+33.59 N 2,110,992.4183 E 2,193,680.2105
 P.T. Station 346+92.44 N 2,111,135.1527 E 2,194,915.0430
 C.C. N 2,113,253.0891 E 2,194,044.5650

Course from PT 290 to PC 300 N 67° 39' 25.91" E Dist 370.7675'

Curve Data

Curve 300
 P.I. Station 354+84.33 N 2,111,436.1894 E 2,195,647.4872
 Delta = 20° 21' 23.61" (RT)
 Degree = 2° 26' 33.58"
 Tangent = 421.1275'
 Length = 833.3764'
 Radius = 2,345.6300'
 External = 37.5042'
 Long Chord = 829.0001'
 Mid. Ord. = 36.9139'
 P.C. Station 350+63.21 N 2,111,276.0989 E 2,195,257.9755
 P.T. Station 358+96.58 N 2,111,450.7855 E 2,196,068.3616
 C.C. N 2,109,106.5648 E 2,196,149.6602

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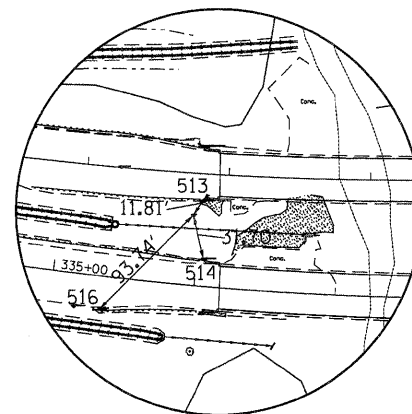
CURVE POINT NUMBERS					
CHAIN	CURVE	PI	CC	PC	PT
EBUS20	280	280	281	282	283
EBUS20	290	290	291	292	293
EBUS20	300	300	301	302	303
WBUS20	1270	1270	1271	1272	1273
WBUS20	1280	1280	1281	1282	1283
WBUS20	1290	1290	1291	1292	1293

BENCH MARKS							
POINT	NORTH	EAST	ELEVATION	CHAIN	STATION	OFFSET	DESCRIPTION
429	2111201.7630	2194941.8330	680.2710	WBUS20	338+80.69	45.4608' RT	DISK IN W HEADWALL AT MEDIAN CROSSOVER
479	2111070.0370	2193852.6070	676.6760	WBUS20	327+81.07	19.0875' LT	CHISELED SQUARE, IN NW WINGWALL IN WB STRUCTURE

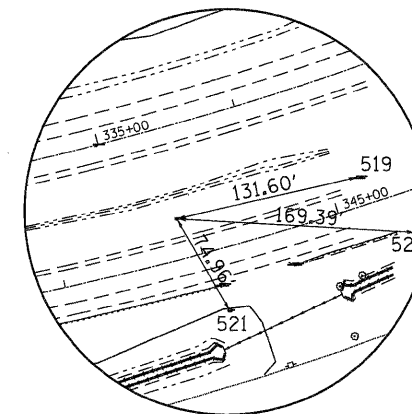
NOTE: SURVEY DATA PROVIDED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION.

SURVEY WORK POINTS							
POINT	NORTH	EAST	ELEVATION	CHAIN	STATION	OFFSET	DESCRIPTION
103	2111262.1510	2202286.4200	840.2167	WBUS20	413+55.87	20.9037' RT	PIN, SET PIN FOR CONTROL
104	2111135.8610	2202406.2420	822.7190	EBUS20	423+18.43	33.9832' LT	PIN, SET PIN FOR CONTROL
105	2111575.6850	2202347.4370	824.7098	WBUS20	414+18.63	292.2876' LT	PIN, SET PIN FOR CONTROL
106	2111021.5780	2193844.8310	676.3138	WBUS20	327+76.39	29.7671' RT	DISK, CONCRETE
107	2111066.0347	2194619.9700	668.3920	EBUS20	343+88.60	28.3629' LT	CONCRETE, SET PIN FOR CONTROL

REFERENCE TIES				
POINT	CHAIN	STATION	OFFSET	DESCRIPTION
513	WBUS20	327+82.37	19.6226' RT	CROSS CUT, HUB GUARD
514	EBUS20	336+05.17	19.3063' LT	CROSS CUT, HUB GUARD
515	EBUS20	336+06.48	19.0048' RT	CROSS CUT, HUB GUARD
516	EBUS20	335+35.51	23.2403' RT	END, GUARDRAIL STEEL PLATE BEAM
517	EBUS20	344+07.14	24.7043' RT	END, GUARDRAIL STEEL PLATE BEAM
518	EBUS20	344+60.13	24.6922' RT	END, GUARDRAIL STEEL PLATE BEAM
519	EBUS20	345+21.28	20.3907' LT	END, GUARDRAIL STEEL PLATE BEAM
520	EBUS20	345+47.61	29.6277' RT	SHINER, SIGN POLE
521	EBUS20	344+07.92	43.9372' RT	SHINER, TREE DECIDUOUS
522	EBUS20	423+35.07	40.8212' LT	SHINER, SIGN POLE



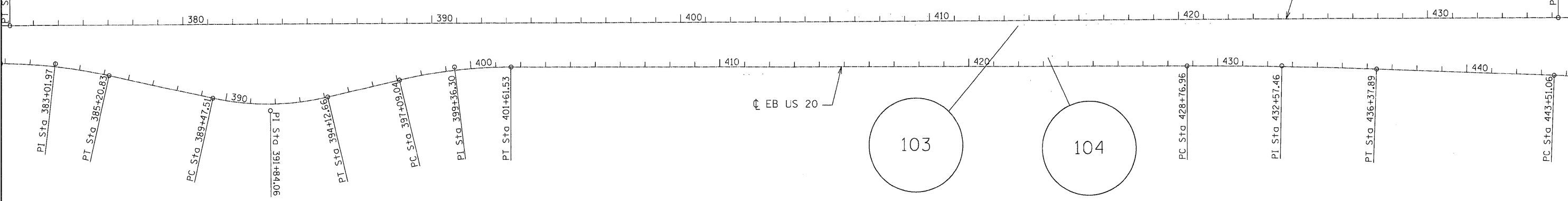
HORIZONTAL CONTROL POINT NO. 106



HORIZONTAL CONTROL POINT NO. 107

NOTE: SURVEY DATA PROVIDED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION.

BENCH MARKS							
POINT	NORTH	EAST	ELEVATION	CHAIN	STATION	OFFSET	DESCRIPTION
405	2111355.4480	2202339.2170	821.8580	WBUS20	414+09.19	72.0995' LT	CHISELED SQUARE IN N HEADWALL
483	2111307.0110	2202430.0210	841.8030	WBUS20	414+99.72	23.1604' LT	PLUG IN NE PARAPET WB STRUCTURE



Chain EBUS20 contains:

A41 CUR 210 CUR 220 CUR 230 CUR 240 CUR 250 CUR 260A CUR 260B
 CUR 270 CUR 280 CUR 290 CUR 300 CUR 310 CUR 1210 CUR 1220 CUR 320
 CUR 330 CUR 340 CUR 350 CUR 360 CUR 370 CUR 380 CUR 390 CUR 1200
 CUR 1350

Curve Data

Curve 340
 P.I. Station 399+36.30 N 2,111,097.0272 E 2,200,022.1616
 Delta = 13° 15' 14.25" (RT)
 Degree = 2° 55' 44.93"
 Tangent = 227.2569'
 Length = 452.4851'
 Radius = 1,956.0562'
 External = 13.1572'
 Long Chord = 451.4769'
 Mid. Ord. = 13.0693'
 P.C. Station 397+09.04 N 2,111,044.4746 E 2,199,801.0646
 P.T. Station 401+61.53 N 2,111,097.4895 E 2,200,249.4180
 C.C. N 2,109,141.4374 E 2,200,253.3977

Course from PT 340 to PC 350 N 89° 53' 00.34" E Dist 2,715.4254'

Curve Data

Curve 350
 P.I. Station 432+57.46 N 2,111,103.7884 E 2,203,345.3454
 Delta = 2° 01' 31.21" (RT)
 Degree = 0° 15' 58.19"
 Tangent = 380.5084'
 Length = 760.9375'
 Radius = 21,526.5616'
 External = 3.3627'
 Long Chord = 760.8979'
 Mid. Ord. = 3.3622'
 P.C. Station 428+76.96 N 2,111,103.0142 E 2,202,964.8378
 P.T. Station 436+37.89 N 2,111,091.1144 E 2,203,725.6426
 C.C. N 2,089,576.4972 E 2,203,008.6346

Course from PT 350 to PC 360 S 88° 05' 28.45" E Dist 713.1664'

Chain WBUS20 contains:

A40 CUR 200 CUR 1230 CUR 1240 CUR 1250 CUR 1260 CUR 1270 CUR 1280
 CUR 1290 CUR 1300 CUR 1310 CUR 1320 CUR 1330 CUR 1340 CUR A025340
 CUR A025330 CUR A025320 CUR A025310

Curve Data

Curve 1300
 P.I. Station 368+05.25 N 2,111,257.8054 E 2,197,726.8116
 Delta = 18° 34' 26.52" (LT)
 Degree = 1° 50' 18.91"
 Tangent = 509.5876'
 Length = 1,010.2341'
 Radius = 3,116.2938'
 External = 41.3899'
 Long Chord = 1,005.8162'
 Mid. Ord. = 40.8474'
 P.C. Station 362+95.66 N 2,111,417.4468 E 2,197,242.8755
 P.T. Station 373+05.90 N 2,111,260.6273 E 2,198,236.3914
 C.C. N 2,114,376.8732 E 2,198,219.1346

Course from PT 1300 to PC 1310 N 89° 40' 57.78" E Dist 6,218.9396'

Curve Data

Curve 1310
 P.I. Station 444+09.77 N 2,111,299.9657 E 2,205,340.1569
 Delta = 42° 23' 39.03" (RT)
 Degree = 2° 30' 39.40"
 Tangent = 884.9348'
 Length = 1,688.3759'
 Radius = 2,281.8422'
 External = 165.5878'
 Long Chord = 1,650.1241'
 Mid. Ord. = 154.3845'
 P.C. Station 435+24.84 N 2,111,295.0653 E 2,204,455.2357
 P.T. Station 452+13.21 N 2,110,706.9468 E 2,205,996.9964
 C.C. N 2,109,013.2581 E 2,204,467.8716

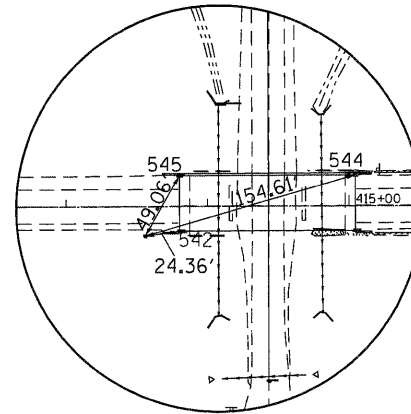
Course from PT 1310 to PC 1320 S 47° 55' 23.19" E Dist 406.1536'

CURVE POINT NUMBERS					
CHAIN	CURVE	PI	CC	PC	PT
EBUS20	340	340	341	342	343
EBUS20	350	350	351	352	353
WBUS20	1300	1300	1301	1302	1303
WBUS20	1310	1310	1311	1312	1313

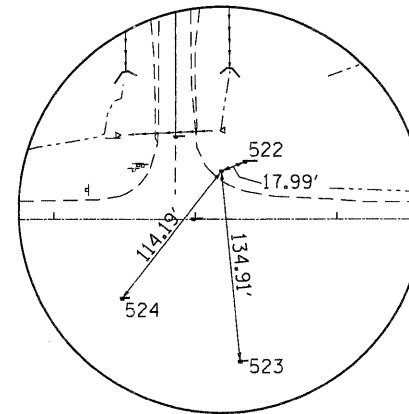
NOTE: SURVEY DATA PROVIDED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION.

SURVEY WORK POINTS							
POINT	NORTH	EAST	ELEVATION	CHAIN	STATION	OFFSET	DESCRIPTION
103	2111262.1510	2202286.4200	840.2167	WBUS20	413+55.87	20.9037' RT	PIN, SET PIN FOR CONTROL
104	2111135.8610	2202406.2420	822.7190	EBUS20	423+18.43	33.9832' LT	PIN, SET PIN FOR CONTROL
105	2111575.6850	2202347.4370	824.7098	WBUS20	414+18.63	292.2876' LT	PIN, SET PIN FOR CONTROL

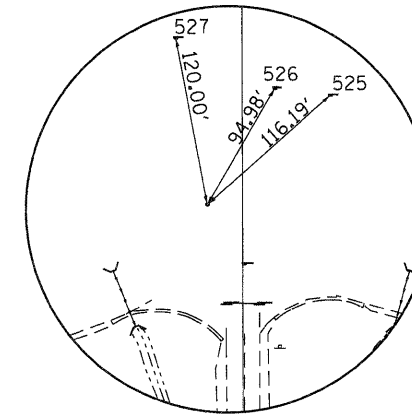
REFERENCE TIES				
POINT	CHAIN	STATION	OFFSET	DESCRIPTION
522	EBUS20	423+35.07	40.8212' LT	SHINER, SIGN POLE
523	EBUS20	423+31.62	100.278' RT	SHINER, POWER POLE
524	EBUS20	422+48.13	55.9974' RT	SHINER, FENCE POST
525	WBUS20	415+05.94	368.944' LT	SHINER, POWER POLE
526	WBUS20	414+66.64	374.2323' LT	SHINER, SIGN POLE
527	WBUS20	413+96.83	410.2874' LT	SHINER, POWER POLE
542	WBUS20	413+79.99	17.4451' RT	CORNER, BRIDGE DECK
543	WBUS20	415+04.55	17.2651' RT	CORNER, BRIDGE DECK
544	WBUS20	415+04.44	21.8907' LT	CORNER, BRIDGE DECK
545	WBUS20	413+80.08	21.768' LT	CORNER, BRIDGE DECK



HORIZONTAL CONTROL POINT NO. 103



HORIZONTAL CONTROL POINT NO. 104



HORIZONTAL CONTROL POINT NO. 105

NOTE: SURVEY DATA PROVIDED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION.

USER NAME = gjameson	DESIGNED -	REVISED -
FILE NAME = Z03207HVC006-SHT.dwg	CHECKED -	REVISED -
PLOT DATE = 12/6/2011	DRAWN -	REVISED -
PLOT TIME = 10:17:59 AM	CHECKED -	REVISED -

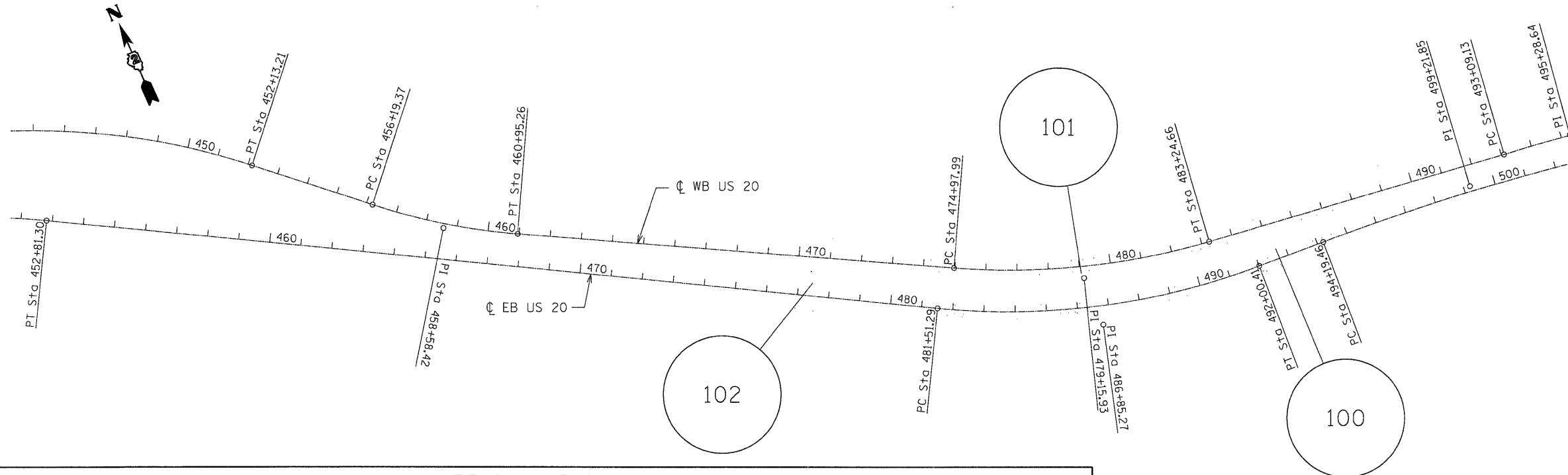
WHKS & CO.
ENGINEERING
1701 ROUTE 35 NORTH
EAST DUBUQUE, IL 61025
(815) 747-8833
DESIGN FIRM #184001036

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 20 HORIZONTAL & VERTICAL CONTROL
SN 043-0006 (W.B.)

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	(43B,44B,44HB,45B)D	JO DAVIESS	309	45
CONTRACT NO. 64C94				
ILLINOIS FED. AID PROJECT				



BENCH MARKS

POINT	NORTH	EAST	ELEVATION	CHAIN	STATION	OFFSET	DESCRIPTION
402	2109665.6970	2207495.0330	635.4510	WBUS20	470+42.42	47.5805' RT	CHISELED SQUARE E HEADWALL AT MEDIAN CROSSOVER
423	2109209.7360	2209554.8382	687.3219	WBUS20	491+75.76	91.8053' LT	DISK IN CONCRETE
424	2109233.9940	2208588.6000	646.3930	WBUS20	482+15.85	17.0701' RT	DISK IN CONCRETE
485	2109196.8870	2208204.2910	633.4300	EBUS20	485+83.96	19.0057' RT	CHISELED SQUARE IN SW WINGWALL OF EB STRUCTURE
486	2108460.1690	2212971.0840	844.1440	WBUS20	526+70.43	60.9016' RT	DISK IN CONCRETE

REFERENCE TIES

POINT	CHAIN	STATION	OFFSET	DESCRIPTION
528	WBUS20	479+30.12	15.7184' RT	CORNER, BRIDGE DECK
529	WBUS20	479+49.34	22.2991' LT	CORNER, BRIDGE DECK
530	EBUS20	486+09.26	15.2921' LT	CORNER, BRIDGE DECK
535	EBUS20	492+68.04	25.5099' RT	END, GUARDRAIL
536	EBUS20	492+17.38	23.7065' RT	END, GUARDRAIL
537	WBUS20	484+79.12	27.262' LT	END, GUARDRAIL
538	WBUS20	483+78.91	21.0876' RT	END, GUARDRAIL
539	WBUS20	470+42.35	47.5788' RT	CHISELED SQUARE, BRIDGE HEADWALL
540	EBUS20	476+95.76	44.2731' RT	SHINER, TREE DECIDUOUS
541	EBUS20	477+54.35	47.3485' RT	SHINER, TREE DECIDUOUS

CURVE POINT NUMBERS

CHAIN	CURVE	PI	CC	PC	PT
EBUS20	360	360	361	362	363
EBUS20	370	370	371	372	373
EBUS20	380	380	381	382	383
WBUS20	1310	1310	1311	1312	1313
WBUS20	1320	1320	1321	1322	1323
WBUS20	1330	1330	1331	1332	1333
WBUS20	1340	1340	1341	1342	1343

SURVEY WORK POINTS

POINT	NORTH	EAST	ELEVATION	CHAIN	STATION	OFFSET	DESCRIPTION
100	2109125.2540	2208884.2490	656.5820	EBUS20	492+69.36	33.3969' LT	POC, SET PIN FOR CONTROL
101	2109308.6800	2208283.7120	631.8370	WBUS20	479+04.30	20.6151' RT	PIN, SET PIN FOR CONTROL
102	2109629.9310	2207484.1630	640.4353	EBUS20	477+44.86	41.0348' LT	PIN, SET PIN FOR CONTROL

NOTE: SURVEY DATA PROVIDED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION.

Chain EBUS20 contains:

A41 CUR 210 CUR 220 CUR 230 CUR 240 CUR 250 CUR 260A CUR 260B
 CUR 270 CUR 280 CUR 290 CUR 300 CUR 310 CUR 1210 CUR 1220 CUR 320
 CUR 330 CUR 340 CUR 350 CUR 360 CUR 370 CUR 380 CUR 390 CUR 1200
 CUR 1350

 Curve Data

Curve 360
 P.I. Station 448+25.54 N 2,111,051.5561 E 2,204,912.6323
 Delta = 27° 49' 35.94" (RT)
 Degree = 2° 59' 28.85"
 Tangent = 474.4823'
 Length = 930.2379'
 Radius = 1,915.3835'
 External = 57.8948'
 Long Chord = 921.1225'
 Mid. Ord. = 56.1962'
 P.C. Station 443+51.06 N 2,111,067.3602 E 2,204,438.4133
 P.T. Station 452+81.30 N 2,110,816.2150 E 2,205,324.6372
 C.C. N 2,109,153.0394 E 2,204,374.6156

Course from PT 360 to PC 370 S 60° 15' 52.51" E Dist 2,869.9966'

 Curve Data

Curve 370
 P.I. Station 486+85.27 N 2,109,127.8584 E 2,208,280.3949
 Delta = 26° 19' 04.45" (LT)
 Degree = 2° 30' 30.89"
 Tangent = 533.9792'
 Length = 1,049.1148'
 Radius = 2,283.9910'
 External = 61.5897'
 Long Chord = 1,039.9162'
 Mid. Ord. = 59.9725'
 P.C. Station 481+51.29 N 2,109,392.7097 E 2,207,816.7273
 P.T. Station 492+00.41 N 2,109,096.0271 E 2,208,813.4244
 C.C. N 2,111,375.9564 E 2,208,949.5765

Course from PT 370 to PC 380 S 86° 34' 56.96" E Dist 219.0475'

 Curve Data

Curve 380
 P.I. Station 499+21.85 N 2,109,053.0211 E 2,209,533.5799
 Delta = 7° 45' 40.17" (RT)
 Degree = 0° 46' 24.98"
 Tangent = 502.3909'
 Length = 1,003.2450'
 Radius = 7,406.3317'
 External = 17.0197'
 Long Chord = 1,002.4782'
 Mid. Ord. = 16.9807'
 P.C. Station 494+19.46 N 2,109,082.9694 E 2,209,032.0824
 P.T. Station 504+22.70 N 2,108,955.6230 E 2,210,026.4392
 C.C. N 2,101,689.8087 E 2,208,590.5800

Course from PT 380 to PC 390 S 78° 49' 16.79" E Dist 3,931.3182'

Chain WBUS20 contains:

A40 CUR 200 CUR 1230 CUR 1240 CUR 1250 CUR 1260 CUR 1270 CUR 1280
 CUR 1290 CUR 1300 CUR 1310 CUR 1320 CUR 1330 CUR 1340 CUR A025340
 CUR A025330 CUR A025320 CUR A025310

 Curve Data

Curve 1320
 P.I. Station 458+58.42 N 2,110,274.5751 E 2,206,475.8997
 Delta = 13° 31' 04.02" (LT)
 Degree = 2° 50' 25.91"
 Tangent = 239.0546'
 Length = 475.8894'
 Radius = 2,017.0802'
 External = 14.1164'
 Long Chord = 474.7865'
 Mid. Ord. = 14.0183'
 P.C. Station 456+19.37 N 2,110,434.7721 E 2,206,298.4624
 P.T. Station 460+95.26 N 2,110,160.2914 E 2,206,685.8672
 C.C. N 2,111,931.9422 E 2,207,650.1629

Course from PT 1320 to PC 1330 S 61° 26' 27.22" E Dist 1,402.7298'

 Curve Data

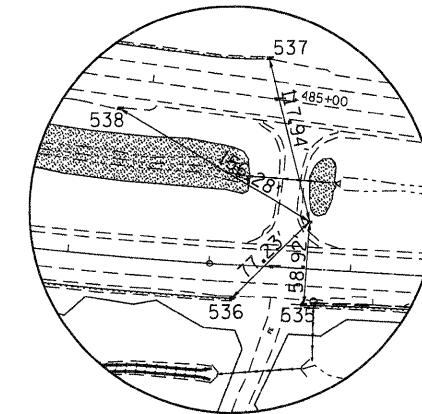
Curve 1330
 P.I. Station 479+15.93 N 2,109,289.8932 E 2,208,285.0053
 Delta = 20° 48' 34.06" (LT)
 Degree = 2° 31' 02.15"
 Tangent = 417.9392'
 Length = 826.6699'
 Radius = 2,276.1133'
 External = 38.0528'
 Long Chord = 822.1338'
 Mid. Ord. = 37.4271'
 P.C. Station 474+97.99 N 2,109,489.6953 E 2,207,917.9190
 P.T. Station 483+24.66 N 2,109,233.5362 E 2,208,699.1274
 C.C. N 2,111,488.8612 E 2,209,006.0493

Course from PT 1330 to PC 1340 S 82° 15' 01.28" E Dist 984.4706'

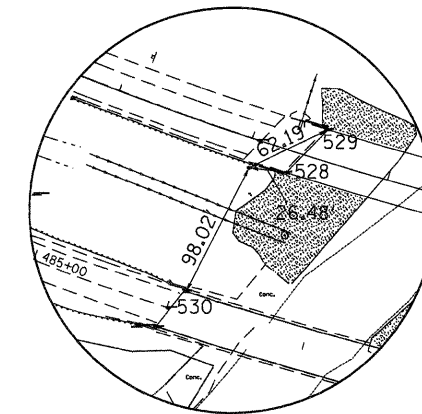
 Curve Data

Curve 1340
 P.I. Station 495+28.64 N 2,109,071.1849 E 2,209,892.1178
 Delta = 1° 58' 37.81" (RT)
 Degree = 0° 27' 01.41"
 Tangent = 219.5162'
 Length = 438.9888'
 Radius = 12,721.3241'
 External = 1.8938'
 Long Chord = 438.9670'
 Mid. Ord. = 1.8935'
 P.C. Station 493+09.13 N 2,109,100.7855 E 2,209,674.6065
 P.T. Station 497+48.12 N 2,109,034.0975 E 2,210,108.4783
 C.C. N 2,096,495.6486 E 2,207,959.2026

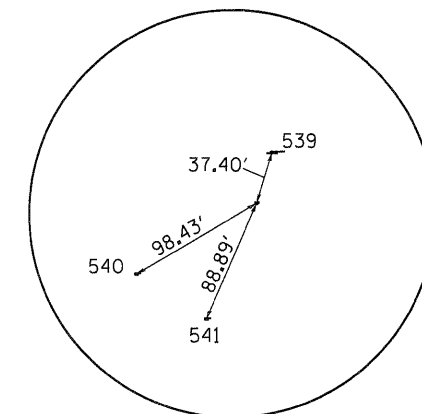
Course from PT 1340 to PC A025340 S 80° 16' 24.24" E Dist 2,193.5873'



HORIZONTAL CONTROL POINT NO. 100



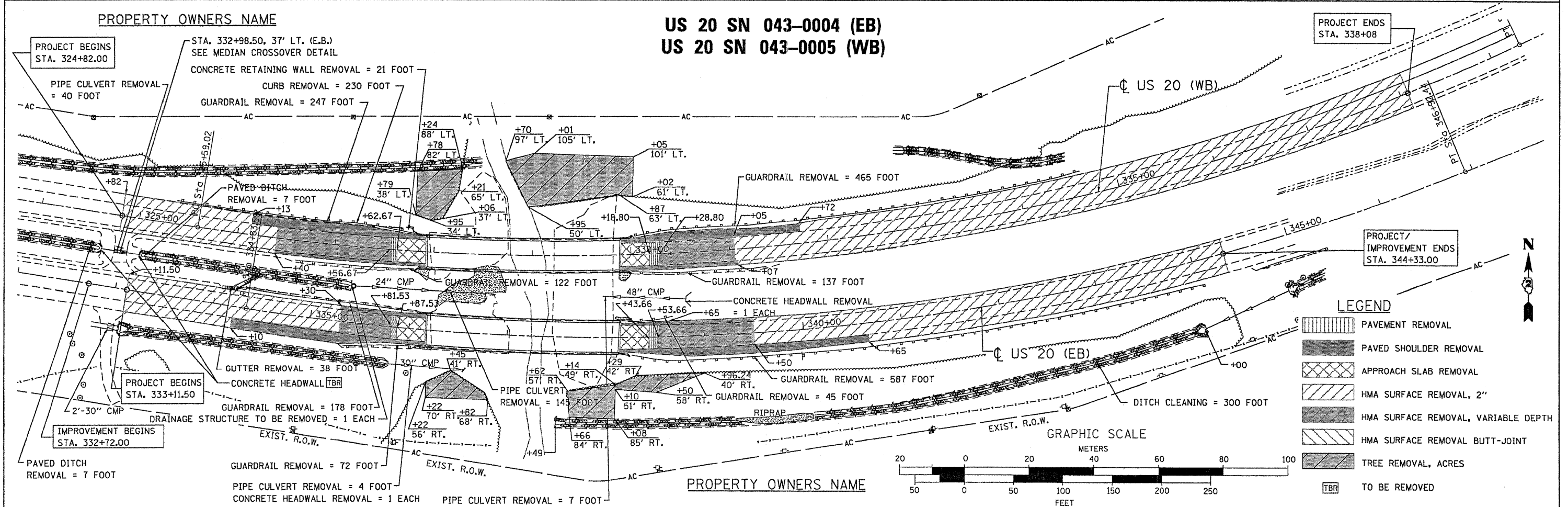
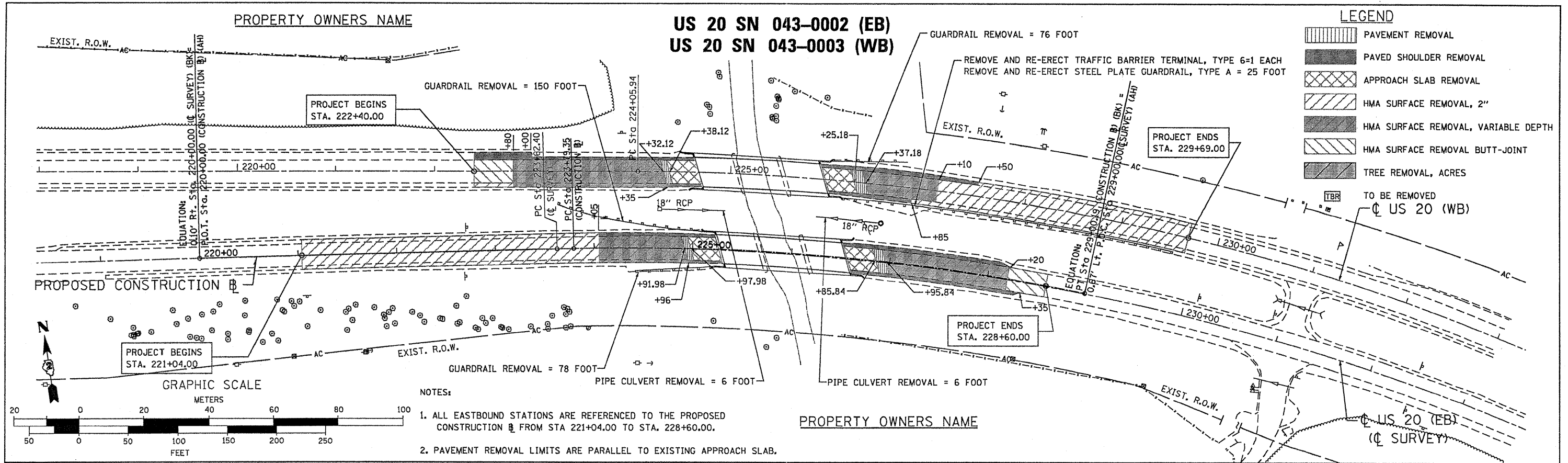
HORIZONTAL CONTROL POINT NO. 101



HORIZONTAL CONTROL POINT NO. 102

NOTE: SURVEY DATA PROVIDED
 BY THE ILLINOIS DEPARTMENT
 OF TRANSPORTATION.

USER NAME = gjameson	DESIGNED -	REVISED -		1701 ROUTE 35 NORTH EAST DUBUQUE, IL 61025 (815) 747-8833 DESIGN FIRM #184001036	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	US 20 HORIZONTAL & VERTICAL CONTROL SN 043-0007 (E.B.)			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FILE NAME = Z03207HVC007-SHT.dwg	CHECKED -	REVISED -							301	(43B,44B,44HB,45B)D	JO DAVIESS	309	47
PLOT DATE = 12/6/2011	DRAWN -	REVISED -				CONTRACT NO. 64C94							
PLOT TIME = 10:18:02 AM	CHECKED -	REVISED -				ILLINOIS FED. AID PROJECT							
						SCALE: NTS	SHEET NO. 2 OF 2 SHEETS	STA.	TO STA.				



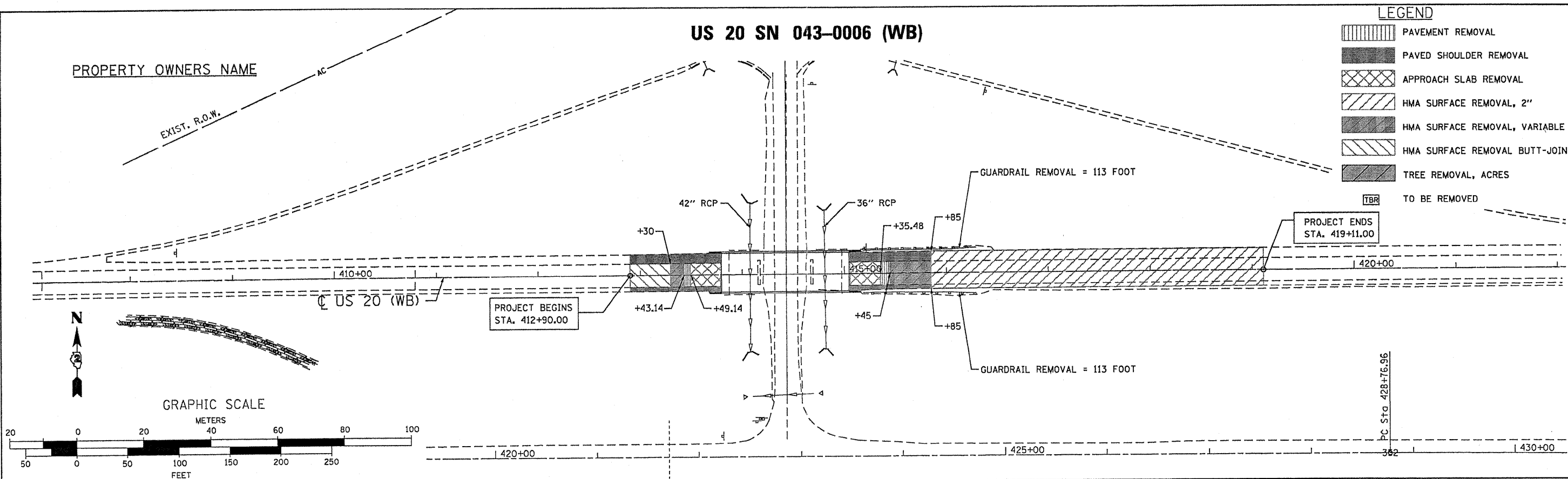
USER NAME = g_jameson	DESIGNED -	REVISED -		1701 ROUTE 36 NORTH EAST DUBUQUE, IL 61025 (815) 747-8833 DESIGN FIRM #184001038	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		US 20 REMOVAL PLAN		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FILE NAME = Z03207REMOVAL-SHT	CHECKED -	REVISED -							301	(43B,44B,44HB,45B)D	JO DAVIESS	309	48
PLOT DATE = 12/1/2011	DRAWN -	REVISED -			CONTRACT NO. 64C94								
PLOT TIME = 10:11:09 AM	CHECKED -	REVISED -			ILLINOIS FED. AID PROJECT								

US 20 SN 043-0006 (WB)

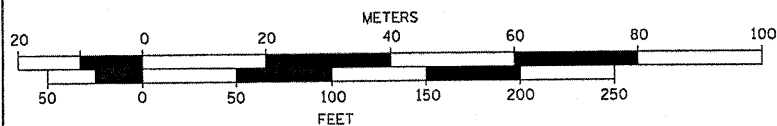
PROPERTY OWNERS NAME

LEGEND

- PAVEMENT REMOVAL
- PAVED SHOULDER REMOVAL
- APPROACH SLAB REMOVAL
- HMA SURFACE REMOVAL, 2"
- HMA SURFACE REMOVAL, VARIABLE DEPTH
- HMA SURFACE REMOVAL BUTT-JOINT
- TREE REMOVAL, ACRES
- TO BE REMOVED



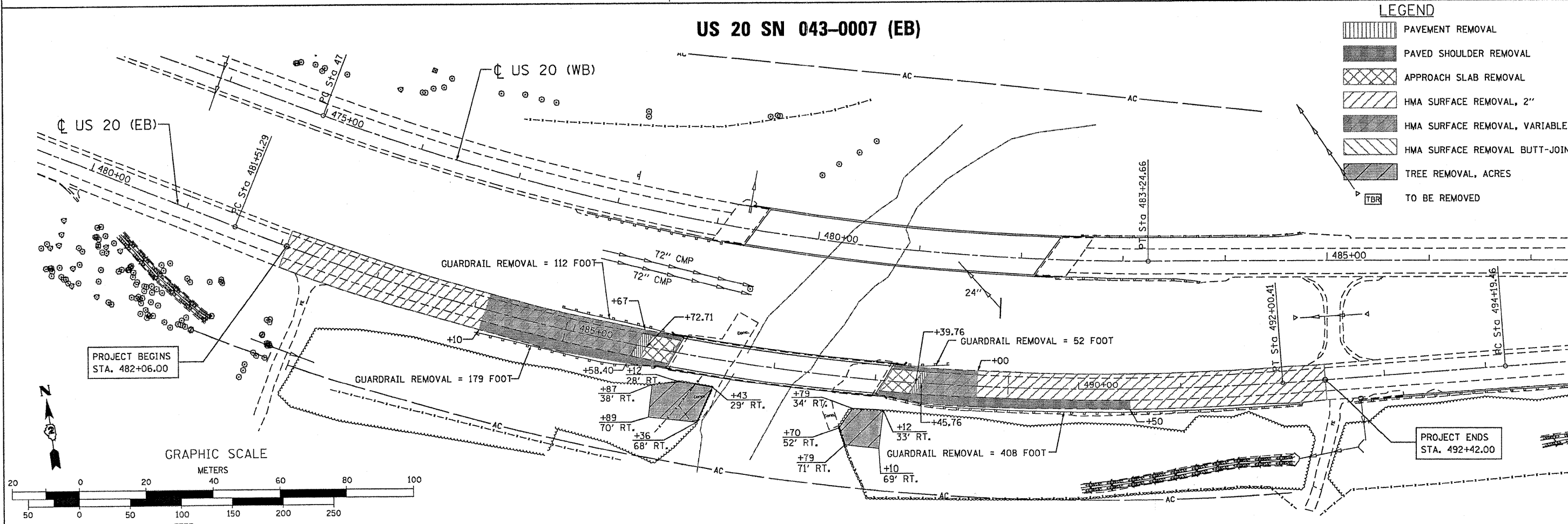
GRAPHIC SCALE



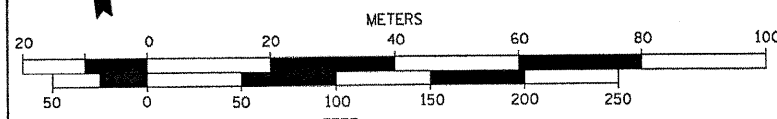
US 20 SN 043-0007 (EB)

LEGEND

- PAVEMENT REMOVAL
- PAVED SHOULDER REMOVAL
- APPROACH SLAB REMOVAL
- HMA SURFACE REMOVAL, 2"
- HMA SURFACE REMOVAL, VARIABLE DEPTH
- HMA SURFACE REMOVAL BUTT-JOINT
- TREE REMOVAL, ACRES
- TO BE REMOVED



GRAPHIC SCALE



USER NAME = g_jameson	DESIGNED -	REVISED -
FILE NAME = Z83287REMOVAL-SHT	CHECKED -	REVISED -
PLOT DATE = 12/1/2011	DRAWN -	REVISED -
PLOT TIME = 10:11:11 AM	CHECKED -	REVISED -

WHKS & CO.
ENGINEERING

1701 ROUTE 35 NORTH
EAST DUBUQUE, IL 61025
(815) 747-8833
DESIGN FIRM #184001036

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

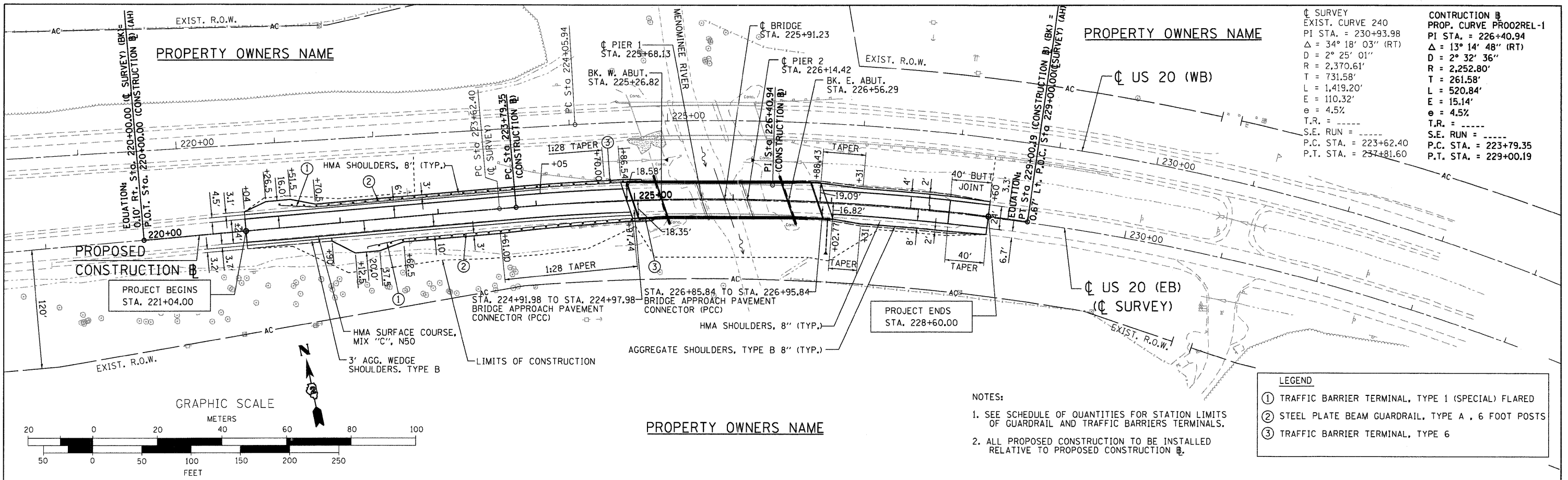
US 20
REMOVAL PLAN

SCALE: 1"=50' SHEET NO. 2 OF 2 SHEETS STA. TO STA.

F.A.P. RTE. 301	SECTION (43B,44B,44HB,45BD)	COUNTY JO DAVIESS	TOTAL SHEETS 309	SHEET NO. 49
CONTRACT NO. 64C94				ILLINOIS FED. AID PROJECT

DATE	
BY	
SURVEYED	
ALIGNED	
CHECKED	
PT. OF WAY CHECKED	
NO. 1	
NO. 2	
NO. 3	
NO. 4	
NO. 5	

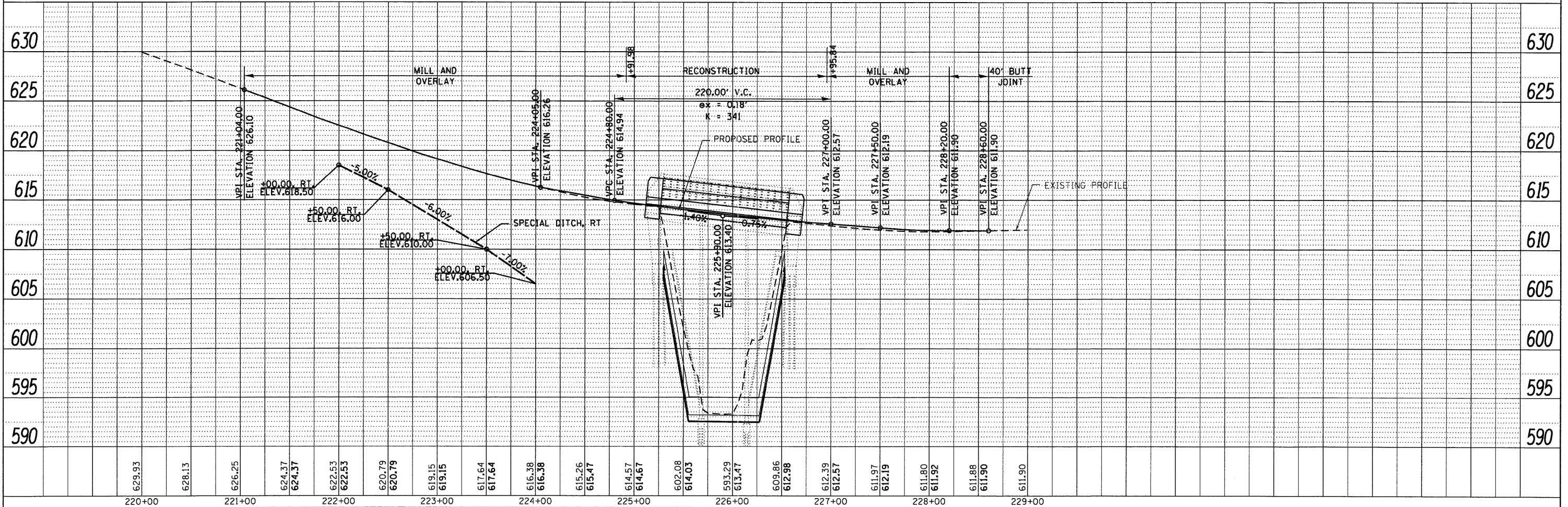
DATE	
BY	
SURVEYED	
GRADES CHECKED	
B.M. NOTED	
STRUCTURE NOTATIONS OK'D	
NO. 1	
NO. 2	
NO. 3	
NO. 4	
NO. 5	



EXIST. SURVEY CURVE 240	PI STA. = 230+93.98	$\Delta = 34^\circ 18' 03''$ (RT)	$D = 2^\circ 25' 01''$	$R = 2,370.61'$	$T = 731.58'$	$L = 1,419.20'$	$E = 110.32'$	$e = 4.5\%$	T.R. =	S.E. RUN =	P.C. STA. = 223+62.40	P.T. STA. = 227+81.60
CONSTRUCTION B PROP. CURVE PRO2REL-1	PI STA. = 226+40.94	$\Delta = 13^\circ 14' 48''$ (RT)	$D = 2^\circ 32' 36''$	$R = 2,252.80'$	$T = 261.58'$	$L = 520.84'$	$E = 15.14'$	$e = 4.5\%$	T.R. =	S.E. RUN =	P.C. STA. = 223+79.35	P.T. STA. = 229+00.19

- NOTES:
- SEE SCHEDULE OF QUANTITIES FOR STATION LIMITS OF GUARDRAIL AND TRAFFIC BARRIERS TERMINALS.
 - ALL PROPOSED CONSTRUCTION TO BE INSTALLED RELATIVE TO PROPOSED CONSTRUCTION B.

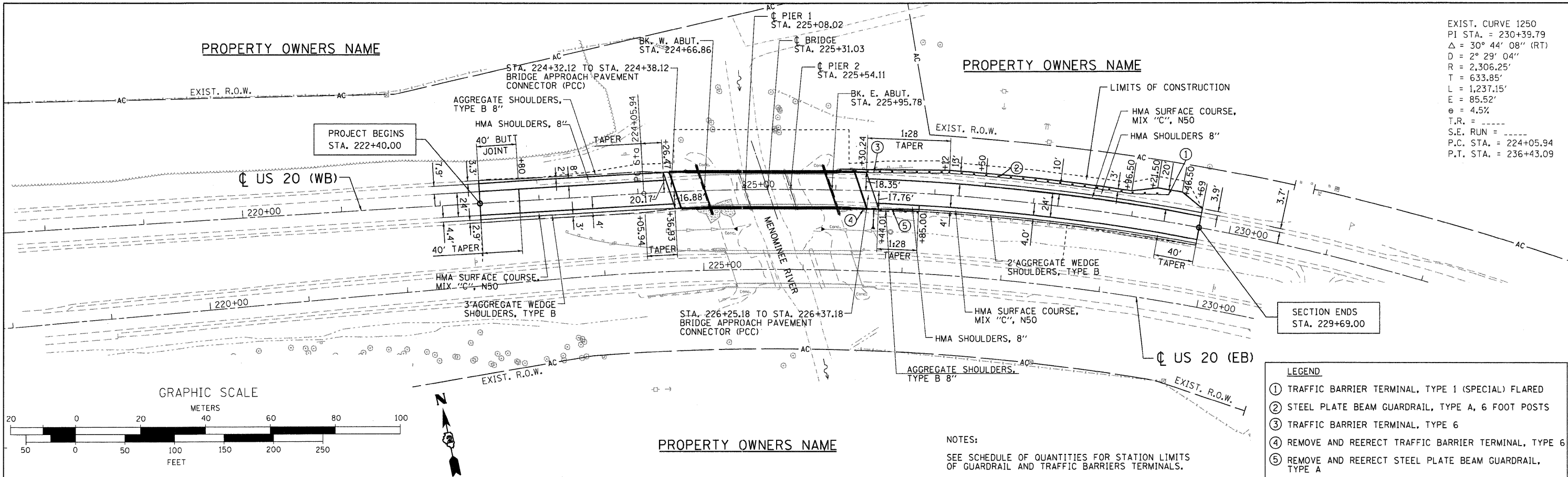
- LEGEND
- TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) FLARED
 - STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS
 - TRAFFIC BARRIER TERMINAL, TYPE 6



USER NAME = g_jameson	DESIGNED -	REVISED -		1701 ROUTE 35 NORTH EAST DUBUQUE, IL 61025 (815) 747-8833 DESIGN FIRM #184001036	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION			US 20 PLAN AND PROFILE SN 043-0002 (EB)			F.A.P. RTE. 301	SECTION (43B,44B,44HB,45B)	COUNTY JO DAVIESS	TOTAL SHEETS 309	SHEET NO. 50
FILE NAME = 283287P&PE.dgn	CHECKED -	REVISED -						SCALE: 1" = 50' SHEET NO. 1 OF 1 SHEETS STA. 220+00 TO STA. 228+00			CONTRACT NO. 64C94			ILLINOIS FED. AID PROJECT	
PLOT DATE = 12/6/2011	DRAWN -	REVISED -													
PLOT TIME = 10:18:23 AM	CHECKED -	REVISED -													

DATE	
BY	
PLAN	
NO.	
NO.	
NO.	
NO.	
NO.	
NO.	
NO.	
NO.	
NO.	

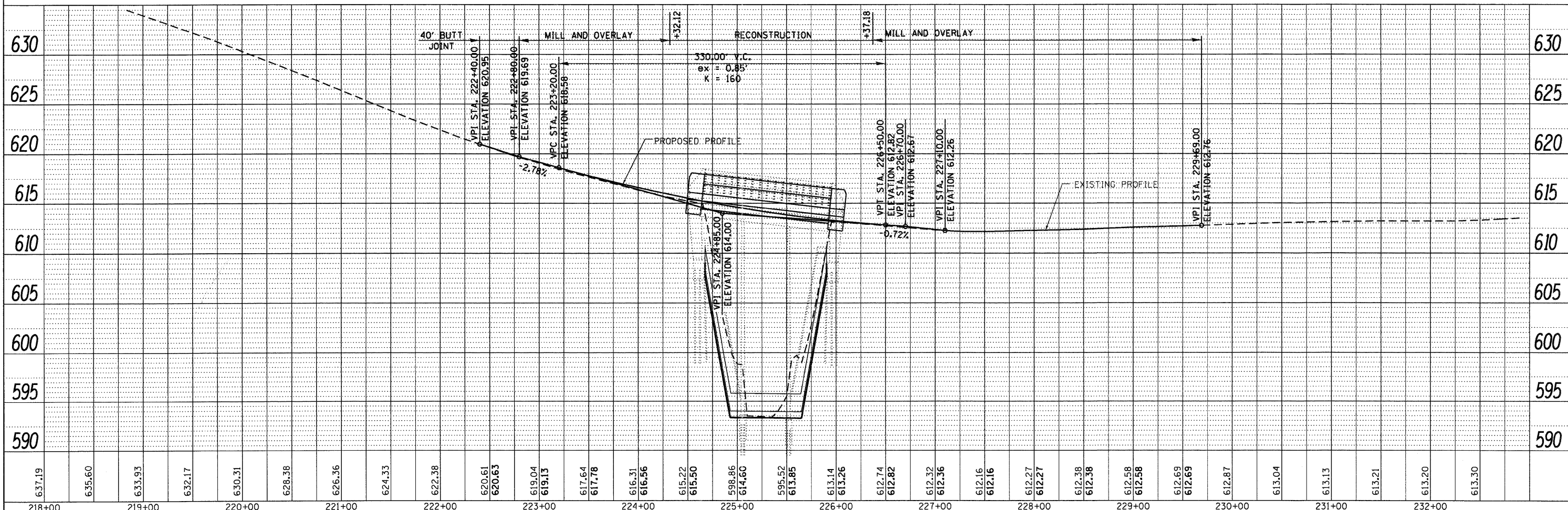
DATE	
BY	
PROF FILE	
NO.	
NO.	
NO.	
NO.	
NO.	
NO.	
NO.	
NO.	
NO.	



EXIST. CURVE 1250
 PI STA. = 230+39.79
 $\Delta = 30^\circ 44' 08''$ (RT)
 $D = 2^\circ 29' 04''$
 $R = 2,306.25'$
 $T = 633.85'$
 $L = 1,237.15'$
 $E = 85.52'$
 $e = 4.5\%$
 T.R. = -----
 S.E. RUN = -----
 P.C. STA. = 224+05.94
 P.T. STA. = 236+43.09

- LEGEND**
- ① TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) FLARED
 - ② STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS
 - ③ TRAFFIC BARRIER TERMINAL, TYPE 6
 - ④ REMOVE AND REERECT TRAFFIC BARRIER TERMINAL, TYPE 6
 - ⑤ REMOVE AND REERECT STEEL PLATE BEAM GUARDRAIL, TYPE A

NOTES:
 SEE SCHEDULE OF QUANTITIES FOR STATION LIMITS OF GUARDRAIL AND TRAFFIC BARRIERS TERMINALS.

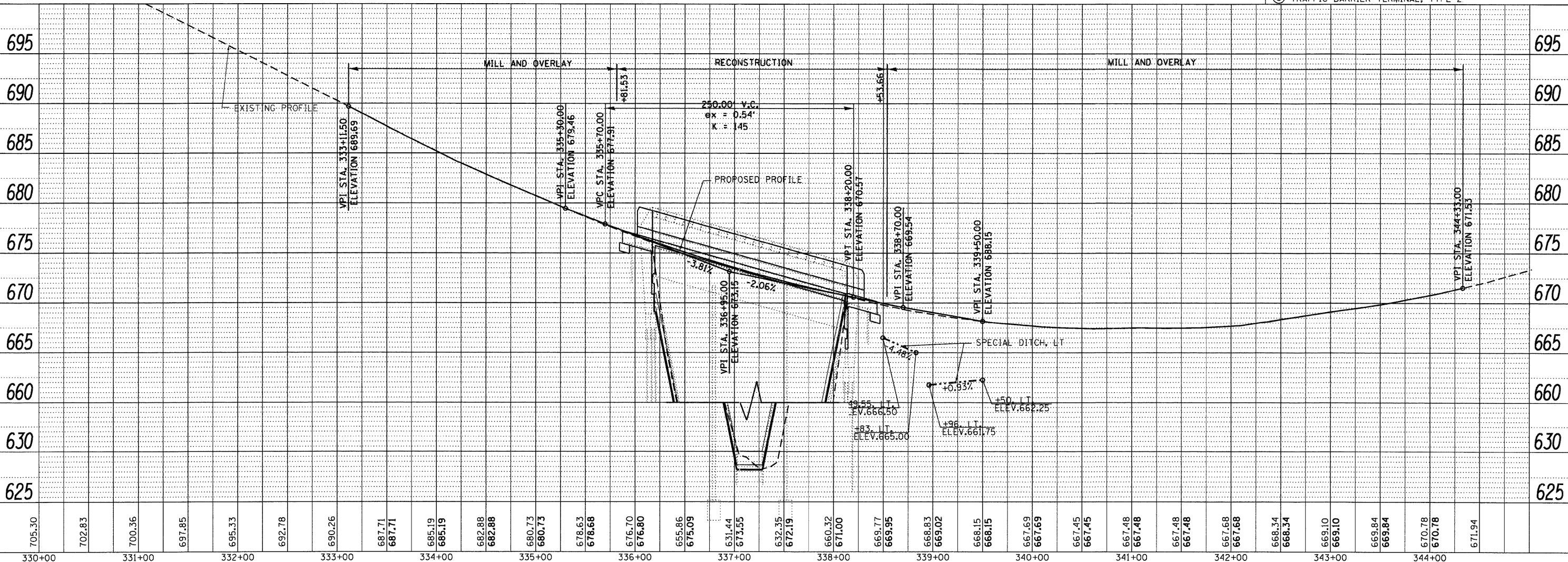
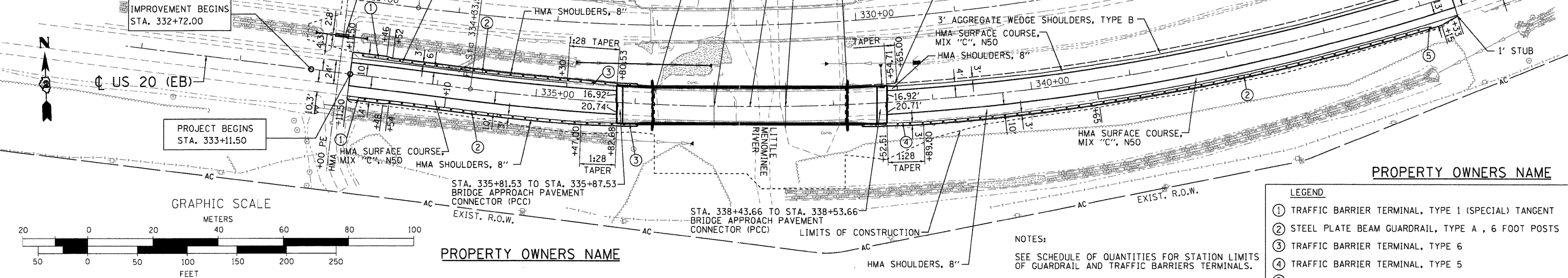


637.19	635.60	633.93	632.17	630.31	628.38	626.36	624.33	622.38	620.61	620.63	619.04	619.13	617.64	617.78	616.31	616.56	615.22	615.50	598.86	614.60	595.52	613.85	613.14	613.26	612.74	612.82	612.32	612.36	612.16	612.16	612.27	612.27	612.38	612.38	612.58	612.58	612.69	612.69	612.87	613.04	613.13	613.21	613.20	613.30	218+00	219+00	220+00	221+00	222+00	223+00	224+00	225+00	226+00	227+00	228+00	229+00	230+00	231+00	232+00
USER NAME = g_jameson		DESIGNED -	REVISED -	WHKS & CO. ENGINEERING		1701 ROUTE 35 NORTH EAST DUBUQUE, IL 61025 (815) 747-8833 DESIGN FIRM #184001036		STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION			US 20 PLAN AND PROFILE SN 043-0003 (WB)			SCALE: 1" = 50'		SHEET NO. 1 OF 1 SHEETS		STA. 218+00 TO STA. 232+00		F.A.P. RTE. 301		SECTION (43B,44B,44HB,45B)		COUNTY JO DAVIESS		TOTAL SHEETS 309		SHEET NO. 51		CONTRACT NO. 64C94		ILLINOIS FED. AID PROJECT																											

EXIST. CURVE 290
 PI STA. = 340+79.36
 $\Delta = 31^\circ 29' 55''$ (LT)
 $D = 2^\circ 30' 08''$
 $R = 2,289.84'$
 $T = 645.77'$
 $L = 1,258.85'$
 $E = 89.32'$
 $e = 4.5\%$
 T.R. =
 S.E. RUN =
 P.C. STA. = 334+33.59
 P.T. STA. = 346+92.44

DATE	
BY	
PLAN	
SURVEYED	
ALIGNED	
CHECKED	
NOTE BOOK	
NO. OF WAY CHECKED	
NO.	
DATE	
BY	
PROFILE	
SURVEYED	
GRADES CHECKED	
NOTE BOOK	
NO. OF WAY CHECKED	
NO.	

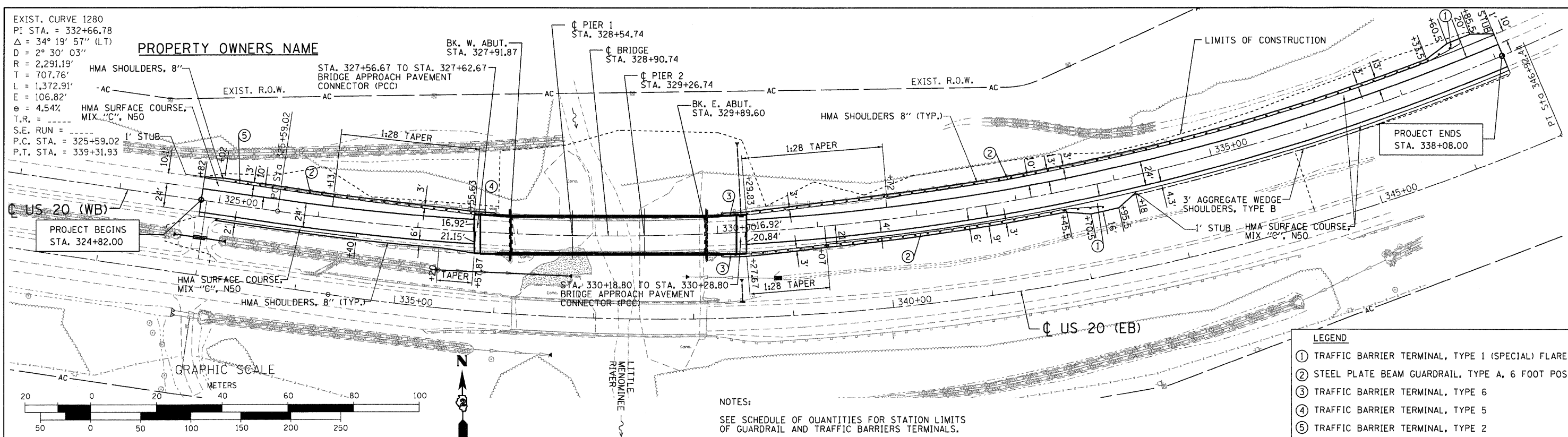
DATE	
BY	
PROFILE	
SURVEYED	
GRADES CHECKED	
NOTE BOOK	
NO. OF WAY CHECKED	
NO.	



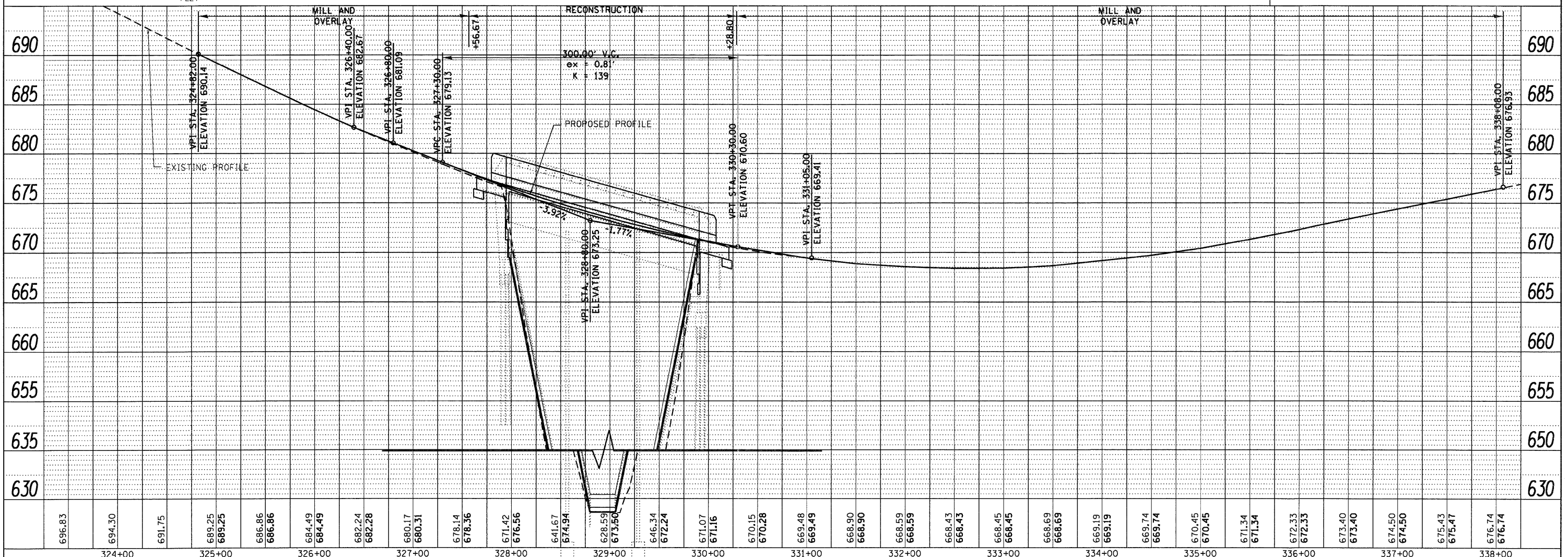
705.30	702.83	700.36	697.85	695.33	692.78	690.26	687.71	685.19	682.88	680.73	678.63	676.70	675.09	673.55	672.19	671.00	669.77	668.83	668.15	667.69	667.45	667.48	667.48	667.68	667.68	668.34	669.10	669.84	670.78	671.94																					
330+00	331+00	332+00	333+00	334+00	335+00	336+00	337+00	338+00	339+00	340+00	341+00	342+00	343+00	344+00																																					
USER NAME = gjameson		DESIGNED -		REVISED -		REVISED -		REVISED -		REVISED -		REVISED -		REVISED -		REVISED -		REVISED -		REVISED -		REVISED -		REVISED -		REVISED -		REVISED -		REVISED -		REVISED -																			
FILE NAME = Z03207P&PE.dgn		CHECKED -		CHECKED -		CHECKED -		CHECKED -		CHECKED -		CHECKED -		CHECKED -		CHECKED -		CHECKED -		CHECKED -		CHECKED -		CHECKED -		CHECKED -		CHECKED -		CHECKED -																					
PLOT DATE = 12/6/2011		DRAWN -		DRAWN -		DRAWN -		DRAWN -		DRAWN -		DRAWN -		DRAWN -		DRAWN -		DRAWN -		DRAWN -		DRAWN -		DRAWN -		DRAWN -		DRAWN -		DRAWN -																					
PLOT TIME = 10:18:24 AM		CHECKED -		CHECKED -		CHECKED -		CHECKED -		CHECKED -		CHECKED -		CHECKED -		CHECKED -		CHECKED -		CHECKED -		CHECKED -		CHECKED -		CHECKED -		CHECKED -		CHECKED -																					
WHKS & CO. ENGINEERING				1701 ROUTE 35 NORTH EAST DUBUQUE, IL 61025 (815) 747-8833 DESIGN FIRM #184001036				STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION				US 20 PLAN AND PROFILE SN 043-0004 (EB)				SCALE: 1" = 50'				SHEET NO. 1 OF 1 SHEETS				STA. 330+00 TO STA. 344+00				F.A.P. RTE. SECTION (43B,44B,44HB,45B)				COUNTY JO DAVIESS				TOTAL SHEETS 309				SHEET NO. 52				CONTRACT NO. 64C94				ILLINOIS FED. AID PROJECT			

EXIST. CURVE 1280
 PI STA. = 332+66.78
 $\Delta = 34^\circ 19' 57''$ (LT)
 $D = 2^\circ 30' 03''$
 $R = 2,291.19'$
 $T = 707.76'$
 $L = 1,372.91'$
 $E = 106.82'$
 $e = 4.54\%$
 $T.R. =$
 $S.E. RUN =$
 $P.C. STA. = 325+59.02$
 $P.T. STA. = 339+31.93$

PROPERTY OWNERS NAME



- LEGEND
- ① TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) FLARED
 - ② STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS
 - ③ TRAFFIC BARRIER TERMINAL, TYPE 6
 - ④ TRAFFIC BARRIER TERMINAL, TYPE 5
 - ⑤ TRAFFIC BARRIER TERMINAL, TYPE 2



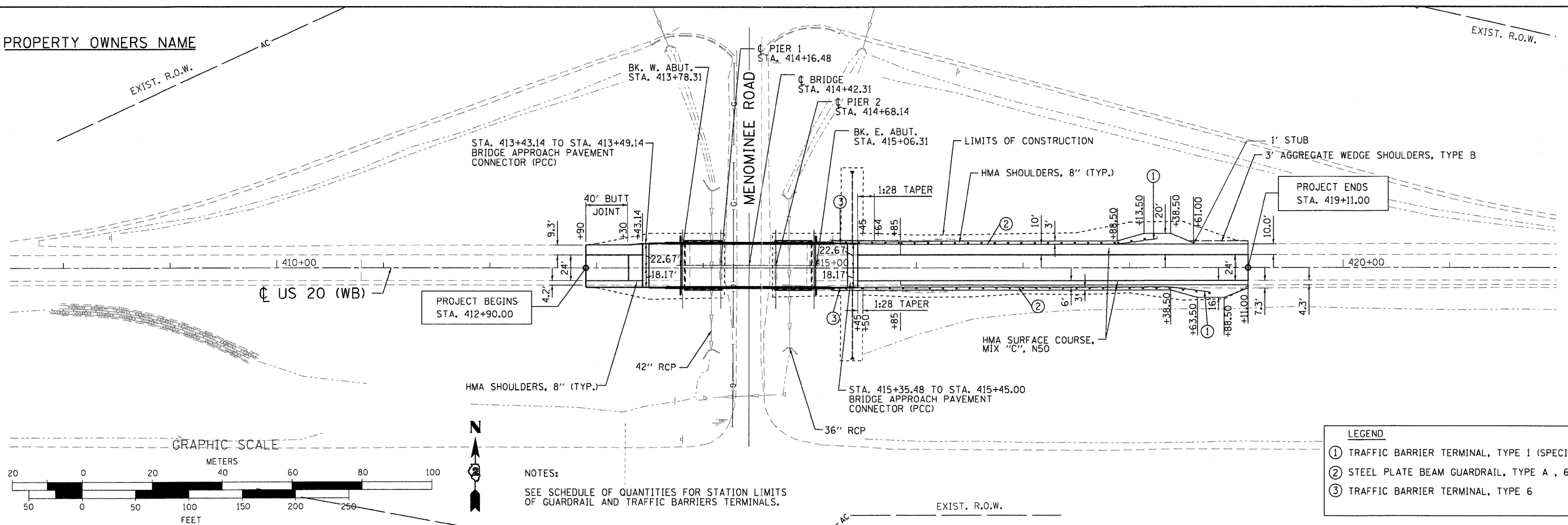
PLAN	
DATE	BY
CHECKED	CHECKED
NO.	NO.
NO.	
NO.	

PROFILE	
DATE	BY
CHECKED	CHECKED
NO.	NO.
NO.	
NO.	

PLAN	SURVEYED	DATE
	ALIGNED	BY
	NOTED	NO.
	CHECKED	
	FILE NAME	

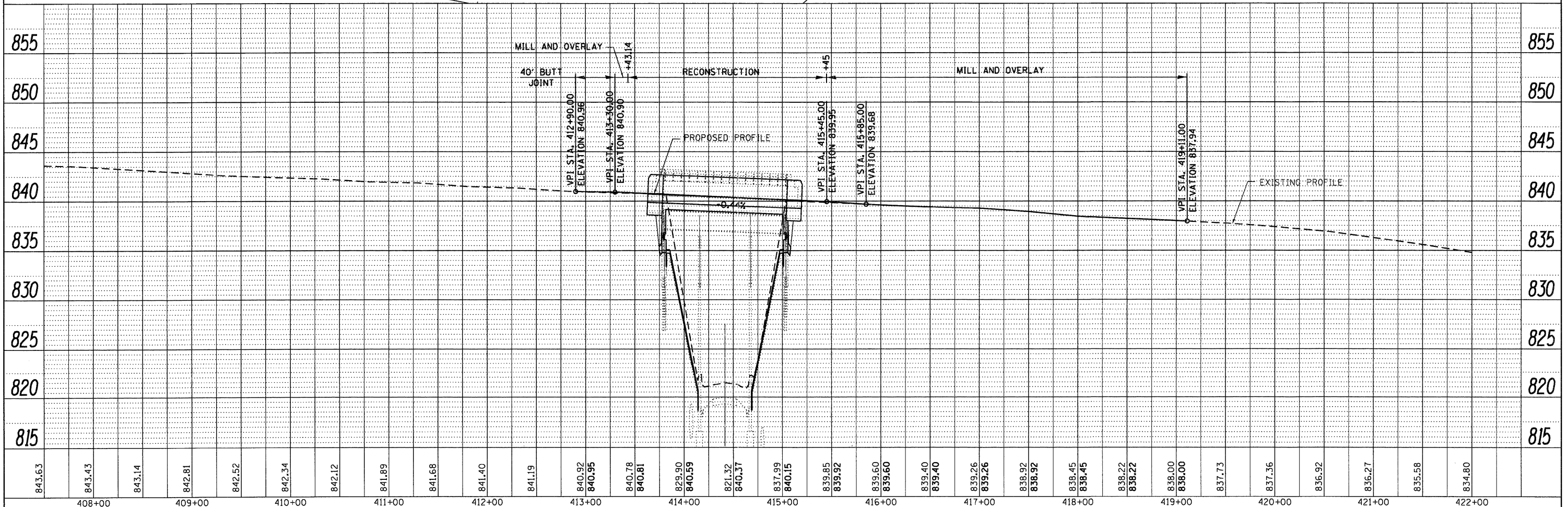
PROFILE	SURVEYED	DATE
	GRADES CHECKED	BY
	NOTED	NO.
	CHECKED	
	STRUCTURE NOTATIONS	

PROPERTY OWNERS NAME



LEGEND

- ① TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) FLARED
- ② STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS
- ③ TRAFFIC BARRIER TERMINAL, TYPE 6

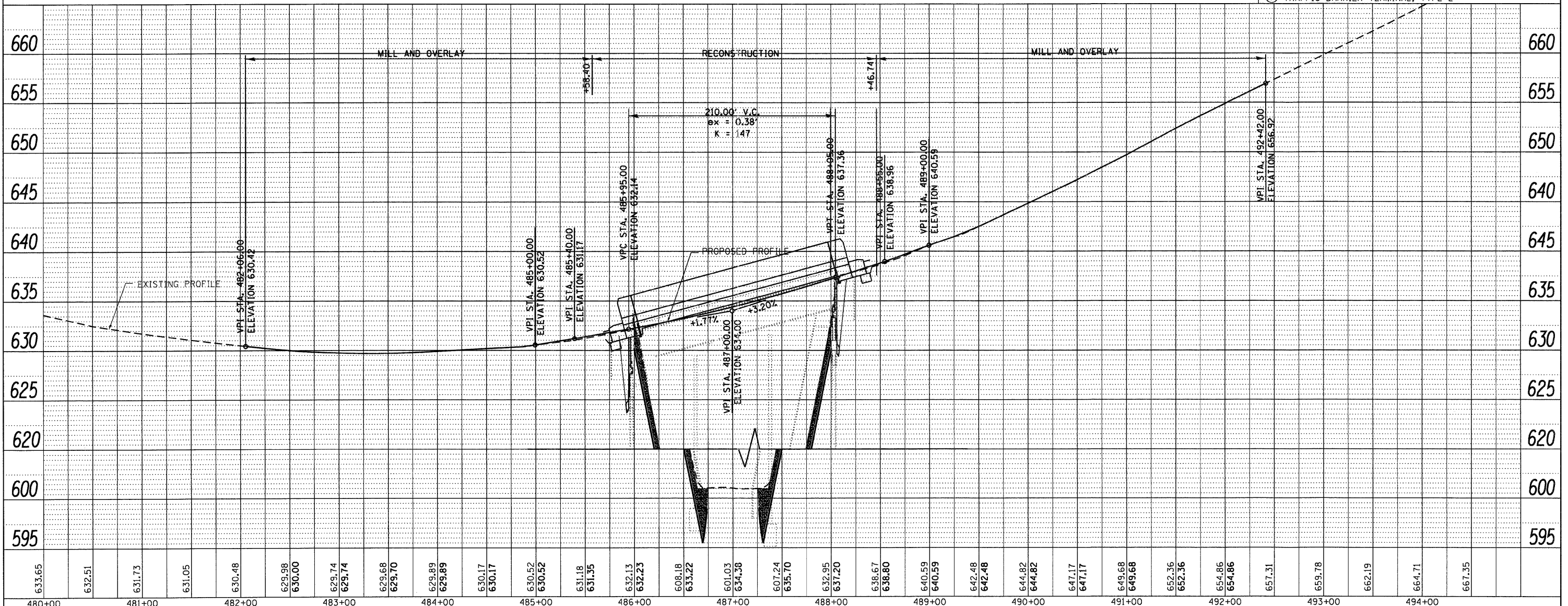
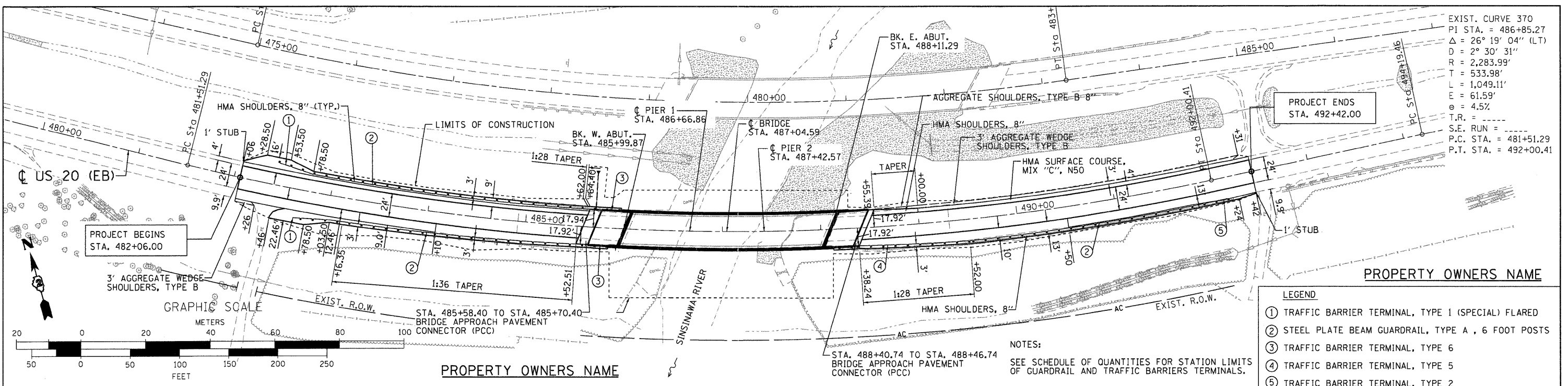


USER NAME = gjameson	DESIGNED -	REVISED -	<p>1701 ROUTE 35 NORTH EAST DUBUQUE, IL 61025 (815) 747-8833 DESIGN FIRM #184001036</p>	<p>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</p>		<p>US 20 PLAN AND PROFILE SN 043-0006 (WB)</p>		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FILE NAME = Z03207P&PW.dgn	CHECKED -	REVISED -						301	(43B,44B,44HB,45B)D	JO DAVIESS	309	54
PLDT DATE = 12/6/2011	DRAWN -	REVISED -						CONTRACT NO. 64C94				
PLDT TIME = 10:18:32 AM	CHECKED -	REVISED -						ILLINOIS FED. AID PROJECT				

SCALE: 1" = 50' SHEET NO. 1 OF 1 SHEETS STA. 408+00 TO STA. 422+00

DATE _____ BY _____
 REVIEWED _____
 PLANNED _____
 CHECKED _____
 ALIGNED CHECKED _____
 NOTE BOOK NO. _____
 CHECKED _____
 CAD FILE NAME _____

DATE _____ BY _____
 SURVEYED _____
 PROFILE GRADES CHECKED _____
 NOTE BOOK NO. _____
 CHECKED _____
 STRUCTURE NOTATIONS CHECKED _____



SEQUENCE OF CONSTRUCTION FOR SN 043-0002

PRESTAGE

SET UP TRAFFIC CONTROL AND PROTECTION ACCORDING TO HIGHWAY STANDARD 701401. SEE HIGHWAY STANDARD FOR SIGNS AND DEVICES.

MILL 2" OFF THE INSIDE 4' OF THE EXISTING NORTH AND SOUTH HMA SHOULDERS TO REMOVE THE EXISTING RUMBLE STRIP AS SHOWN ON THE PLANS.

CONSTRUCT 2" HMA SURFACE COURSE ON THE INSIDE 4' OF THE EXISTING NORTH AND SOUTH HMA SHOULDERS.

STAGE 1

SET UP TRAFFIC CONTROL AND PROTECTION ACCORDING TO HIGHWAY STANDARD 701402. SEE HIGHWAY STANDARD FOR ADDITIONAL SIGNS AND DEVICES. SHIFT EASTBOUND TRAFFIC ONTO THE NORTH LANE.

REMOVE THE SOUTH HALF OF THE EXISTING BRIDGE, APPROACH SLABS, PAVEMENT AND SHOULDERS AS SHOWN ON THE PLANS.

CONSTRUCT THE SOUTH HALF OF THE BRIDGE, APPROACH SLABS, BRIDGE APPROACH PAVEMENT CONNECTORS AND DRAINAGE STRUCTURES AS SHOWN ON THE PLANS.

CONSTRUCT THE PROPOSED HMA SHOULDERS, SHOULDER WIDENING, STEEL PLATE BEAM GUARDRAIL, TRAFFIC BARRIER TERMINALS AND SEEDING ALONG THE SOUTH LANE.

STAGE 2

SET UP TRAFFIC CONTROL AND PROTECTION ACCORDING TO HIGHWAY STANDARD 701402. SEE HIGHWAY STANDARD FOR ADDITIONAL SIGNS AND DEVICES. SHIFT EASTBOUND TRAFFIC ONTO THE SOUTH LANE.

REMOVE THE REMAINING PORTION OF THE EXISTING BRIDGE, APPROACH SLABS, PAVEMENT AND SHOULDERS AS SHOWN ON THE PLANS.

CONSTRUCT THE REMAINING PORTION OF THE BRIDGE, APPROACH SLABS, BRIDGE APPROACH PAVEMENT CONNECTORS AND DRAINAGE STRUCTURES AS SHOWN ON THE PLANS.

CONSTRUCT THE PROPOSED HMA SHOULDERS, SHOULDER WIDENING, STEEL PLATE BEAM GUARDRAIL, TRAFFIC BARRIER TERMINALS AND SEEDING ALONG THE NORTH LANE.

STAGE 3

SET UP TRAFFIC CONTROL AND PROTECTION ACCORDING TO HIGHWAY STANDARD 701406. SEE HIGHWAY STANDARD FOR ADDITIONAL SIGNS AND DEVICES.

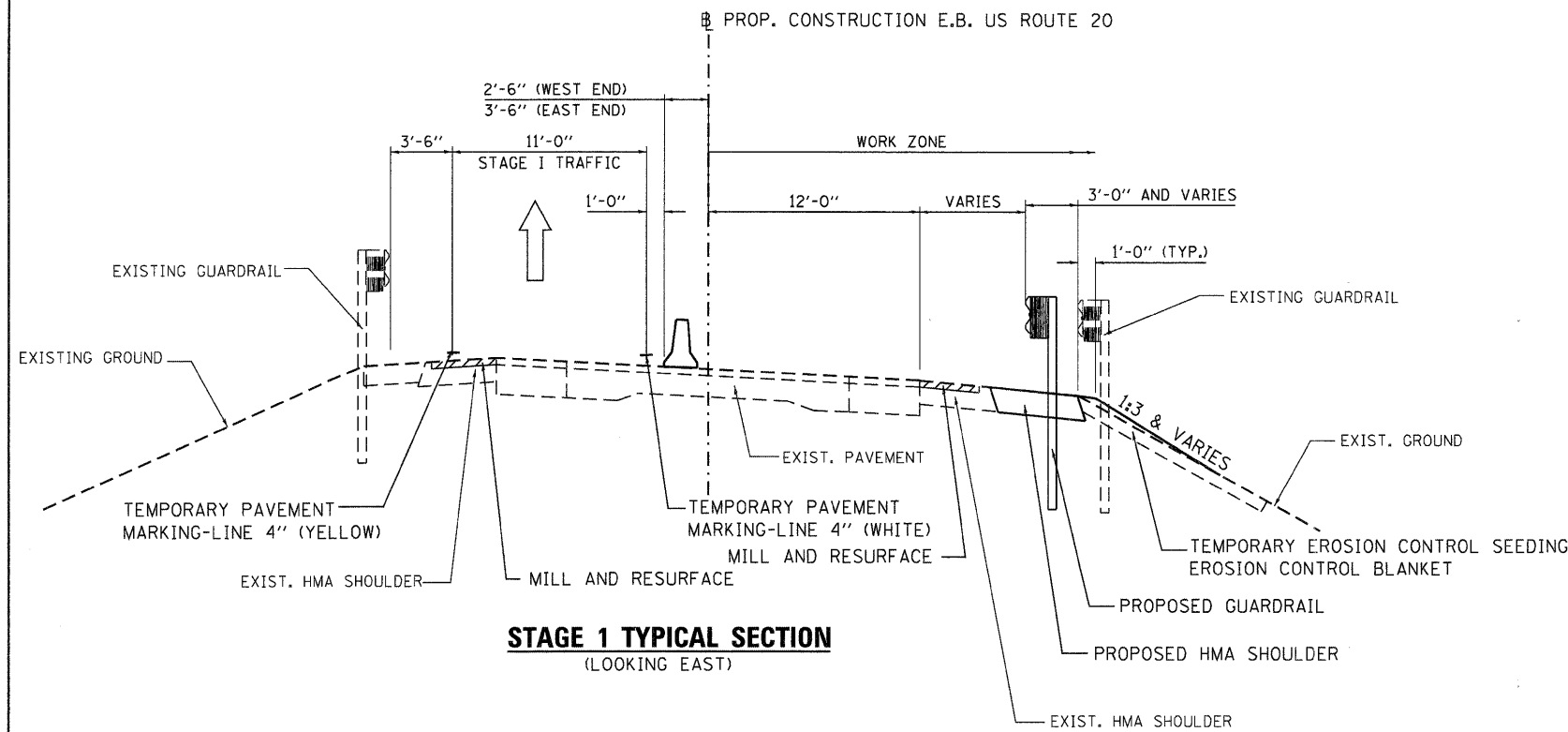
REMOVE THE GUARDRAIL AND TRAFFIC BARRIER TERMINAL RAILS IN ACCORDANCE WITH DISTRICT 2 STANDARD 23-4.

MILL AND RESURFACE THE PAVEMENT AND SHOULDERS AS SHOWN ON THE PLANS.

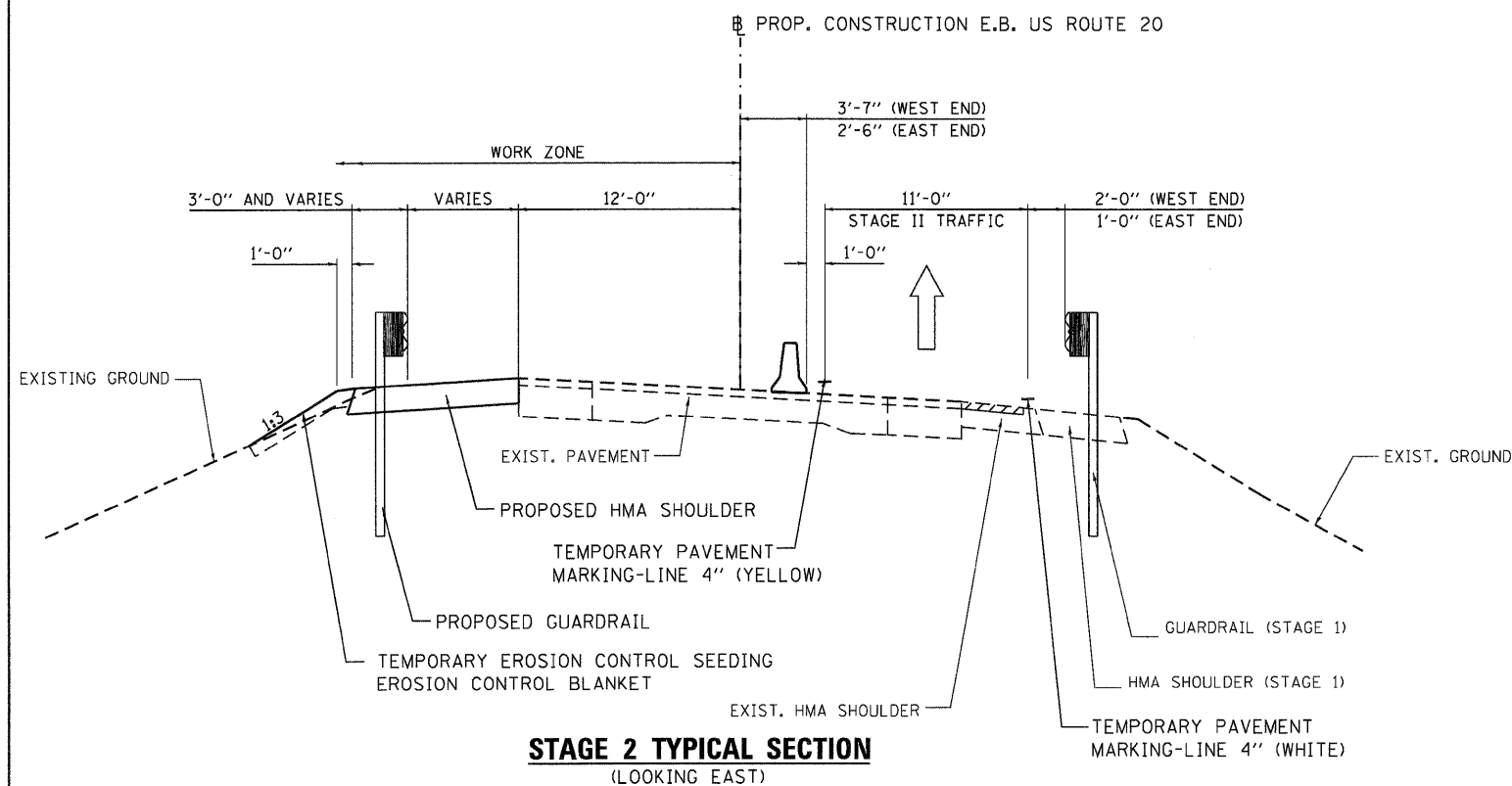
REPLACE THE STEEL PLATE BEAM GUARDRAIL AND TRAFFIC BARRIER TERMINAL RAILS.

STAGE 4

SET UP TRAFFIC CONTROL AND PROTECTION ACCORDING TO HIGHWAY STANDARD 701426. SEE HIGHWAY STANDARD FOR SIGNS AND DEVICES. PLACE THE PAVEMENT STRIPING AND CLEANUP.



STAGE 1 TYPICAL SECTION
(LOOKING EAST)



STAGE 2 TYPICAL SECTION
(LOOKING EAST)

USER NAME = gjameson	DESIGNED -	REVISED -
FILE NAME = Z03207-sh1-STAGE-1	CHECKED -	REVISED -
PLOT DATE = 12/6/2011	DRAWN -	REVISED -
PLOT TIME = 10:18:16 AM	CHECKED -	REVISED -

WHKS & CO.
ENGINEERING
1701 ROUTE 35 NORTH
EAST DUBUQUE, IL 61025
(815) 747-8833
DESIGN FIRM #184001036

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 20 TRAFFIC CONTROL TYPICAL SECTIONS
SN 043-0002

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	(43B,44B,44HB,45B)D	JO DAVIESS	309	56
CONTRACT NO. 64C94			ILLINOIS FED. AID PROJECT	

SEQUENCE OF CONSTRUCTION FOR SN 043-0003

PRESTAGE

SET UP TRAFFIC CONTROL AND PROTECTION ACCORDING TO HIGHWAY STANDARD 701401. SEE HIGHWAY STANDARD FOR SIGNS AND DEVICES.

MILL 2" OFF THE INSIDE 4' OF THE EXISTING NORTH AND SOUTH HMA SHOULDERS TO REMOVE THE EXISTING RUMBLE STRIP AS SHOWN ON THE PLANS.

CONSTRUCT 2" HMA SURFACE COURSE ON THE INSIDE 4' OF THE EXISTING NORTH AND SOUTH HMA SHOULDERS.

STAGE 1

SET UP TRAFFIC CONTROL AND PROTECTION ACCORDING TO HIGHWAY STANDARD 701402. SEE HIGHWAY STANDARD FOR ADDITIONAL SIGNS AND DEVICES. SHIFT WESTBOUND TRAFFIC ONTO THE NORTH LANE.

REMOVE THE SOUTH HALF OF THE EXISTING BRIDGE, APPROACH SLABS, PAVEMENT AND SHOULDERS AS SHOWN ON THE PLANS.

CONSTRUCT THE SOUTH HALF OF THE BRIDGE, APPROACH SLABS, BRIDGE APPROACH PAVEMENT CONNECTORS AND DRAINAGE STRUCTURES AS SHOWN ON THE PLANS.

CONSTRUCT THE PROPOSED HMA SHOULDERS, SHOULDER WIDENING, STEEL PLATE BEAM GUARDRAIL, TRAFFIC BARRIER TERMINALS AND SEEDING ALONG THE SOUTH LANE.

STAGE 2

SET UP TRAFFIC CONTROL AND PROTECTION ACCORDING TO HIGHWAY STANDARD 701402. SEE HIGHWAY STANDARD FOR ADDITIONAL SIGNS AND DEVICES. SHIFT WESTBOUND TRAFFIC ONTO THE SOUTH LANE.

REMOVE THE REMAINING PORTION OF THE EXISTING BRIDGE, APPROACH SLABS, PAVEMENT AND SHOULDERS AS SHOWN ON THE PLANS.

CONSTRUCT THE REMAINING PORTION OF THE BRIDGE, APPROACH SLABS, BRIDGE APPROACH PAVEMENT CONNECTORS AND DRAINAGE STRUCTURES AS SHOWN ON THE PLANS.

CONSTRUCT THE PROPOSED HMA SHOULDERS, SHOULDER WIDENING, STEEL PLATE BEAM GUARDRAIL, TRAFFIC BARRIER TERMINALS AND SEEDING ALONG THE NORTH LANE.

STAGE 3

SET UP TRAFFIC CONTROL AND PROTECTION ACCORDING TO HIGHWAY STANDARD 701406. SEE HIGHWAY STANDARD FOR ADDITIONAL SIGNS AND DEVICES.

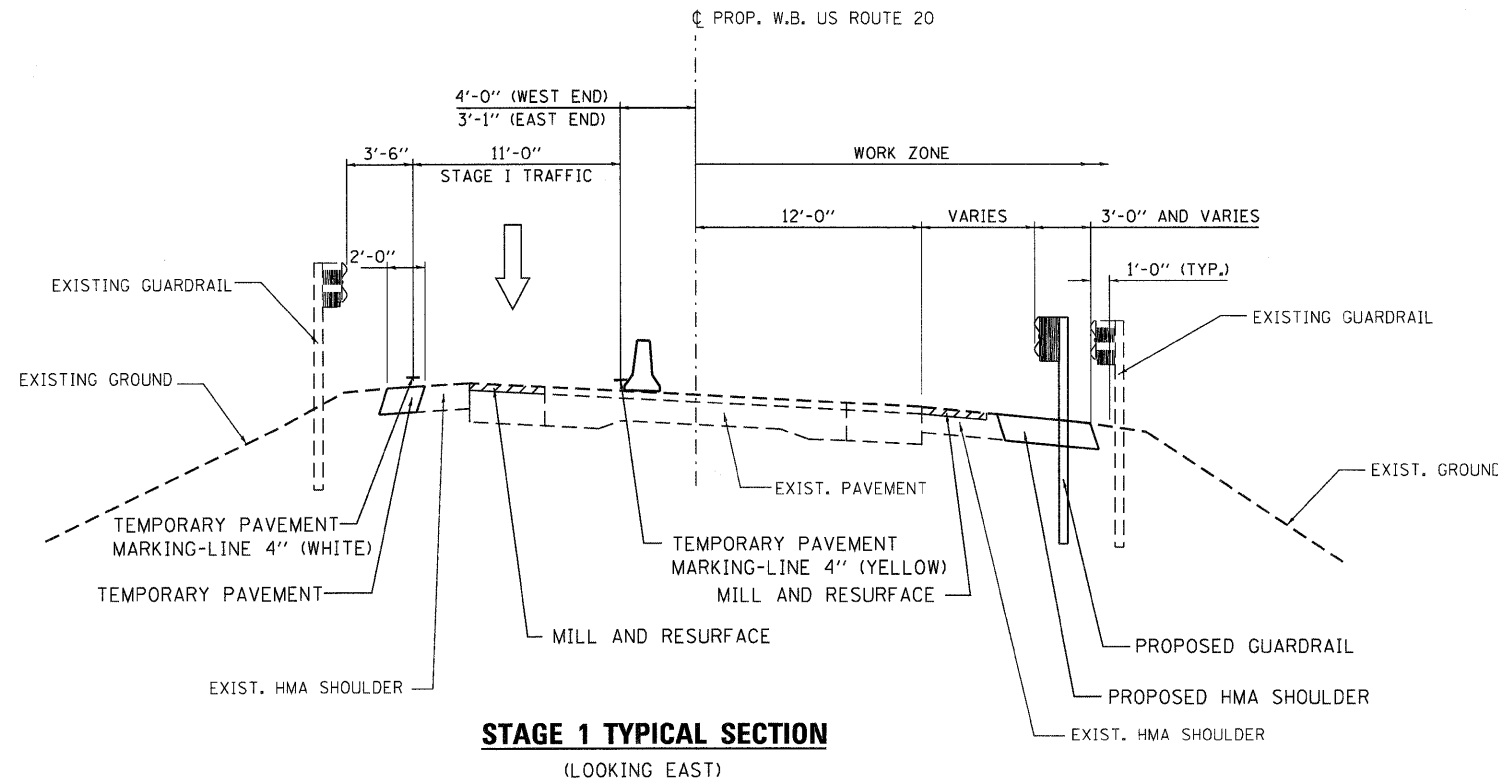
REMOVE THE GUARDRAIL AND TRAFFIC BARRIER TERMINAL RAILS IN ACCORDANCE WITH DISTRICT 2 STANDARD 23-4.

MILL AND RESURFACE THE PAVEMENT AND SHOULDERS AS SHOWN ON THE PLANS.

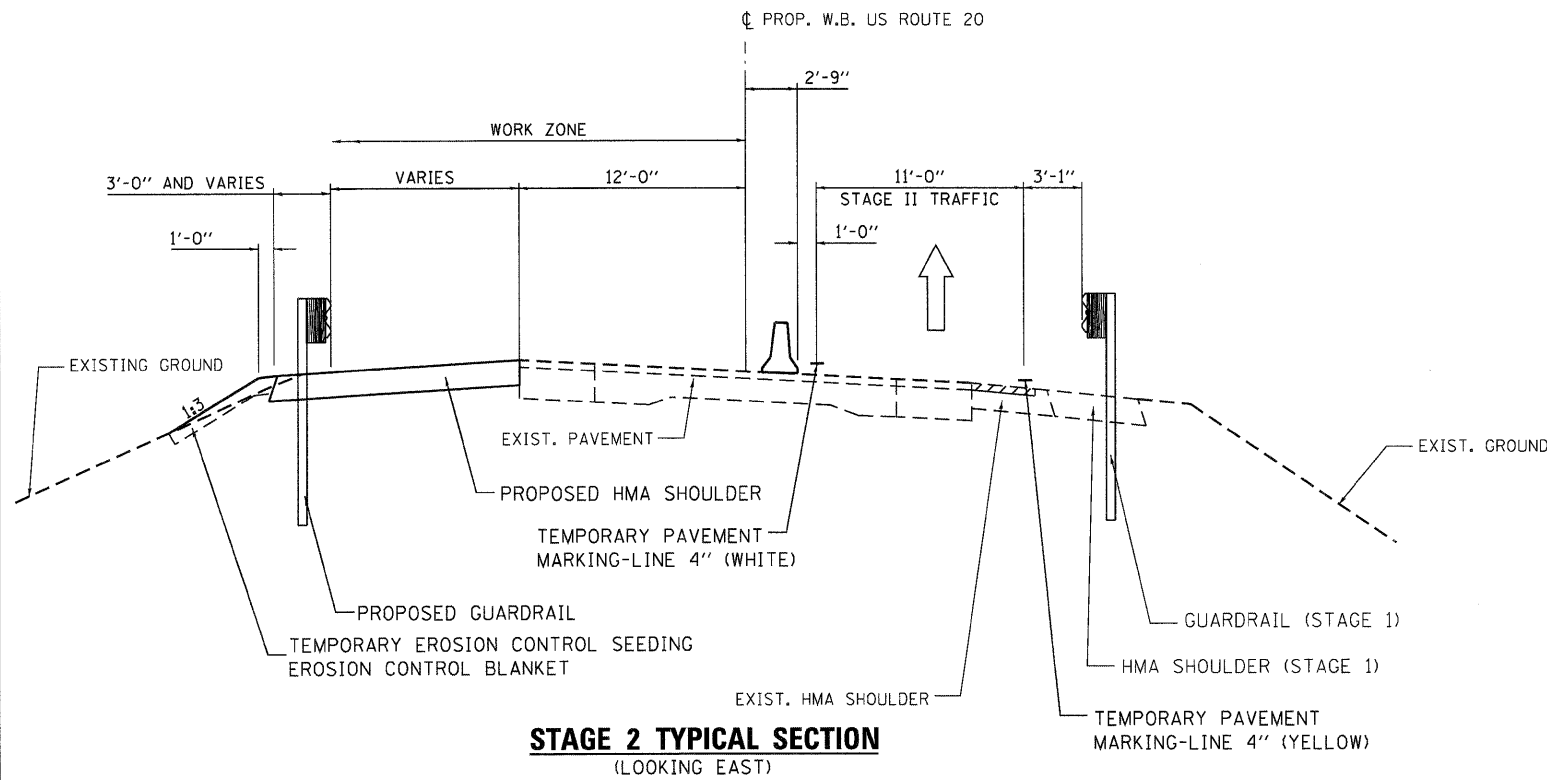
REPLACE THE STEEL PLATE BEAM GUARDRAIL AND TRAFFIC BARRIER TERMINAL RAILS.

STAGE 4

SET UP TRAFFIC CONTROL AND PROTECTION ACCORDING TO HIGHWAY STANDARD 701426. SEE HIGHWAY STANDARD FOR SIGNS AND DEVICES. PLACE THE PAVEMENT STRIPING AND CLEANUP.



STAGE 1 TYPICAL SECTION
(LOOKING EAST)



STAGE 2 TYPICAL SECTION
(LOOKING EAST)

USER NAME = gjameson	DESIGNED -	REVISED -
FILE NAME = Z03207-ah-t-STAGE-1	CHECKED -	REVISED -
PLOT DATE = 12/6/2011	DRAWN -	REVISED -
PLOT TIME = 10:18:17 AM	CHECKED -	REVISED -

WHKS & CO.
1701 ROUTE 35 NORTH
EAST DUBUQUE, IL 61025
(815) 747-8833
DESIGN FIRM #184001036

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 20 TRAFFIC CONTROL TYPICAL SECTIONS
SN 043-0003

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

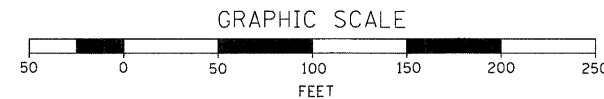
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	(43B,44B,44HB,45B)D	JO DAVIESS	309	57
			CONTRACT NO. 64C94	
ILLINOIS FED. AID PROJECT				

LEGEND

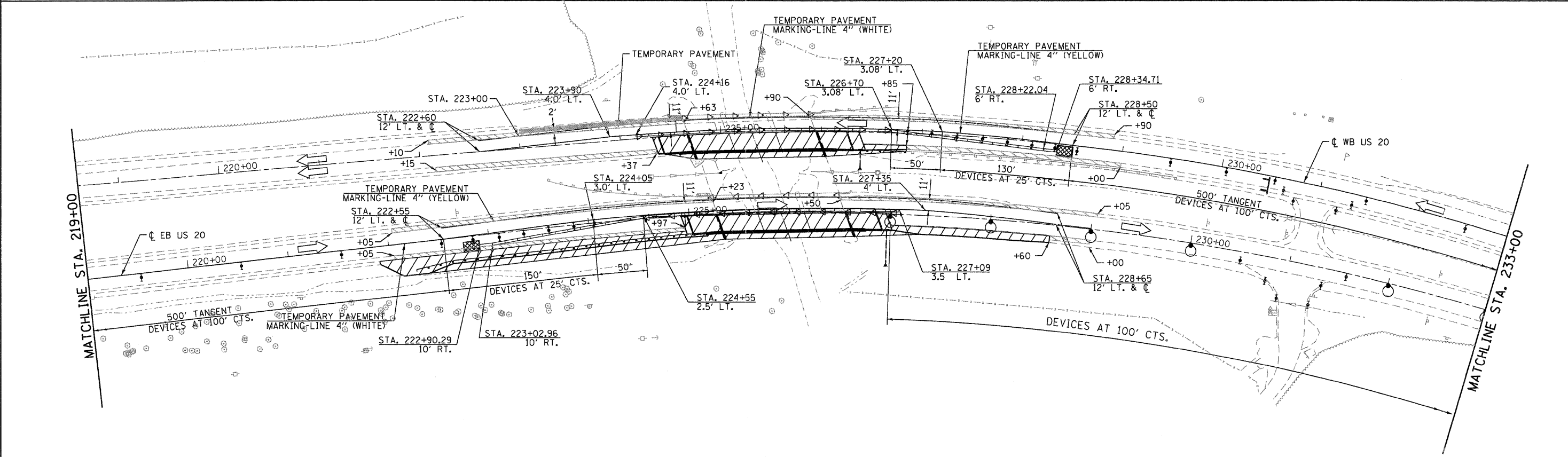
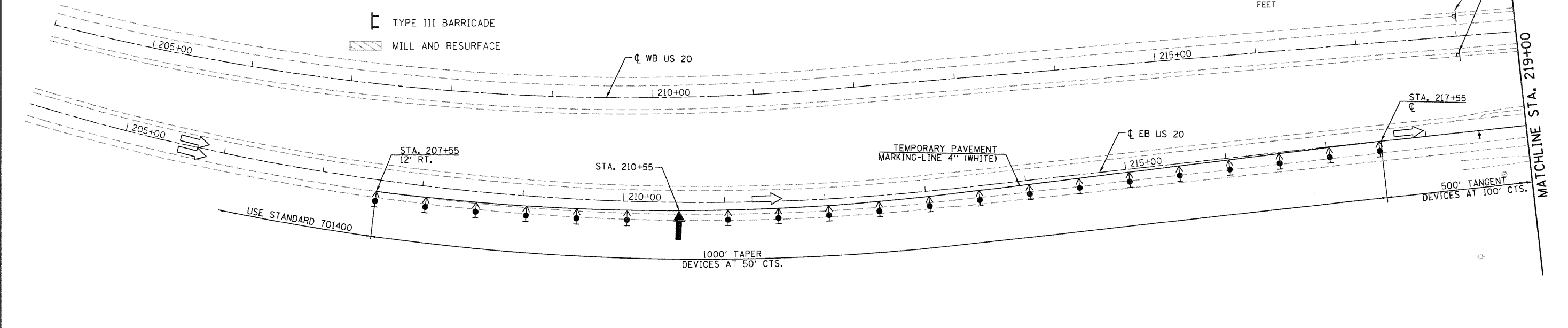
- ↑ ARROW BOARD
- ▨ WORK AREA
- ⊥ SIGN
- ⬆️ DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- ⬆️ TYPE II BARRICADE, DRUM, OR VERTICAL BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- TEMPORARY CONCRETE BARRIER
- ◁ MONODIRECTIONAL BARRIER WALL/GUARDRAIL MARKER
- ▩ IMPACT ATTENUATOR
- ← DIRECTION OF TRAFFIC
- TEMPORARY PAVEMENT
- ⊙ DRUMS WITH STEADY BURNING MONODIRECTIONAL LIGHT
- ⊥ TYPE III BARRICADE
- ▨ MILL AND RESURFACE

NOTES:

1. TEMPORARY CONCRETE BARRIER WALL OFFSETS ARE MEASURED TO THE TRAFFIC SIDE OF THE WALL.



END WORK ZONE SPEED LIMIT



USER NAME = gjemson	DESIGNED - JAC	REVISED -
FILE NAME = Z03207-sht-staging-SH03.dgn	JAC	REVISED -
PLOT DATE = 12/6/2011	DRAWN - JAK	REVISED -
PLOT TIME = 10:18:38 AM	CHECKED -	REVISED -

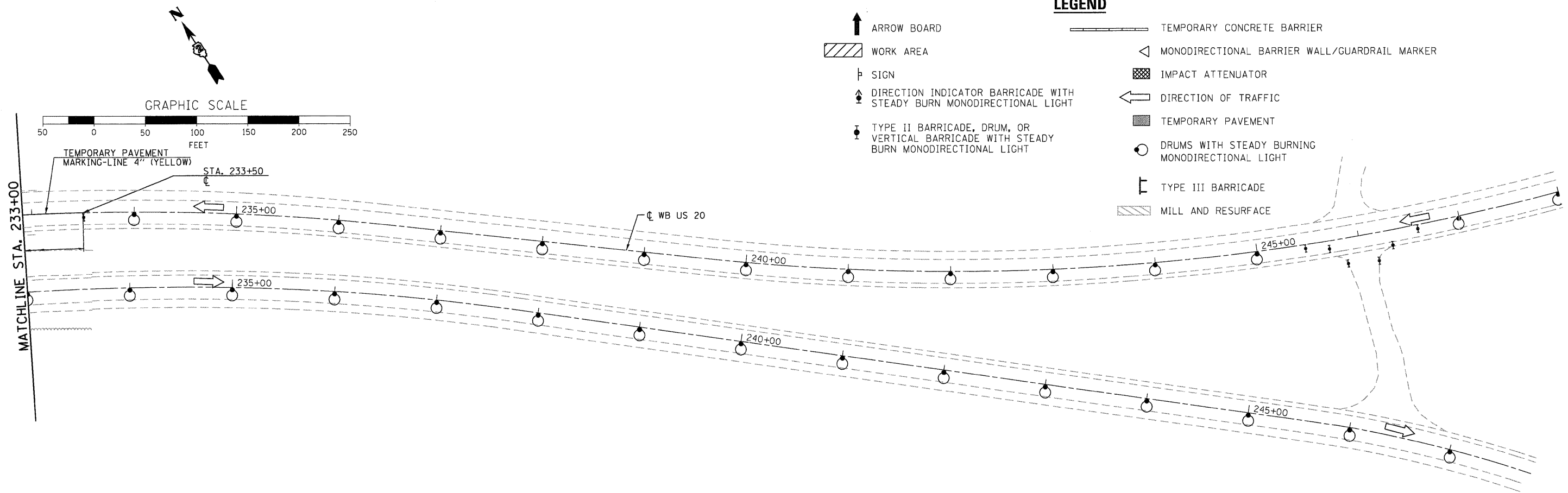
DESIGNED - JAC	REVISED -
JAC	REVISED -
DRAWN - JAK	REVISED -
CHECKED -	REVISED -

WHKS & CO.
ENGINEERING
1701 ROUTE 35 NORTH
EAST DUBUQUE, IL 61025
(815) 747-8833
DESIGN FIRM #184001036

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**US 20 TRAFFIC CONTROL PLANS (STAGE 1)
SN 043-0002 & SN 043-0003**
SCALE: 1"=50' SHEET NO. 1 OF 2 SHEETS STA. 204+00 TO STA. 233+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	(43B,44B,44HB,45BD)	JO DAVIESS	309	58
CONTRACT NO. 64C94			ILLINOIS FED. AID PROJECT	



USER NAME = gjameson	DESIGNED - JAC	REVISED -
FILE NAME = Z03207-sht-staging-SH00003.dgn	JAC	REVISED -
PLOT DATE = 12/6/2011	DRAWN - JAK	REVISED -
PLOT TIME = 10:18:39 AM	CHECKED -	REVISED -

WHKS & CO.
ENGINEERING

1701 ROUTE 35 NORTH
EAST DUBUQUE, IL 61025
(815) 747-8833
DESIGN FIRM #184001036

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 20 TRAFFIC CONTROL PLANS (STAGE 1)
SN 043-0002 & SN 043-0003

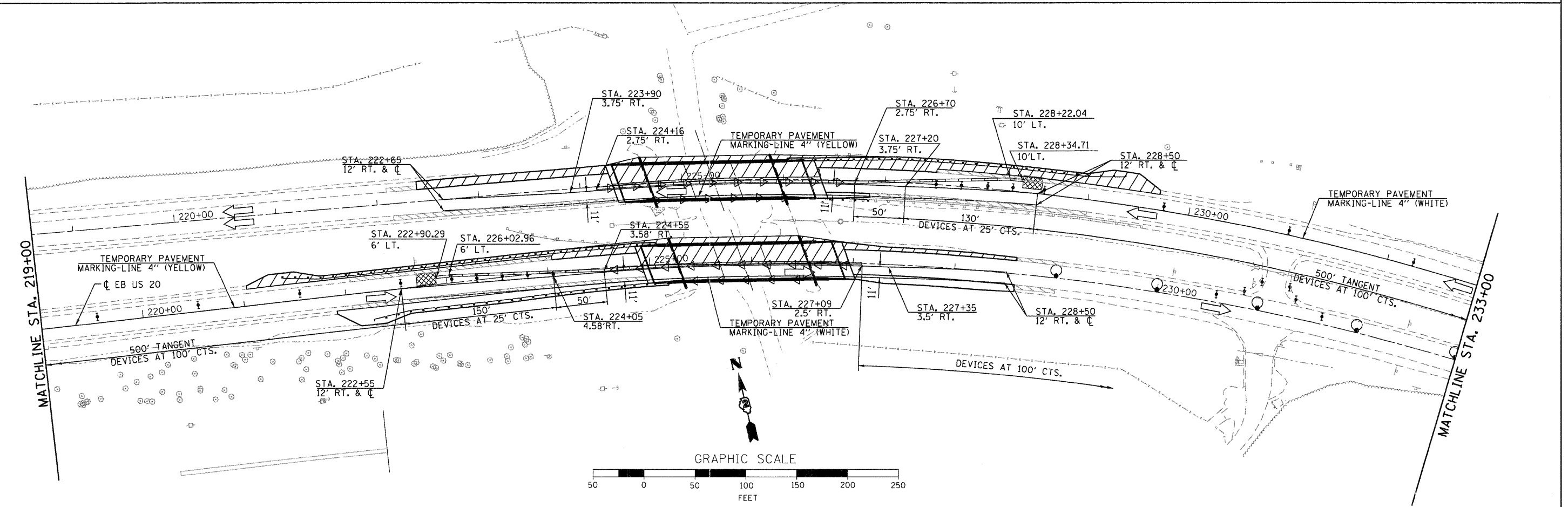
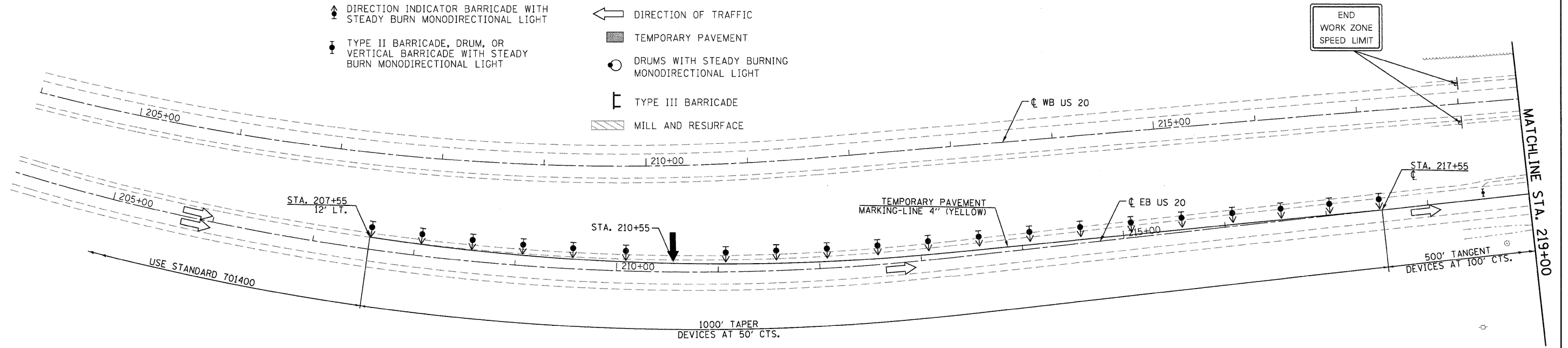
SCALE: 1"=50' SHEET NO. 2 OF 2 SHEETS STA. 233+00 TO STA. 248+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	(43B,44B,44HB,45B)D	JO DAVIESS	309	59
ILLINOIS FED. AID PROJECT			CONTRACT NO. 64C94	

LEGEND

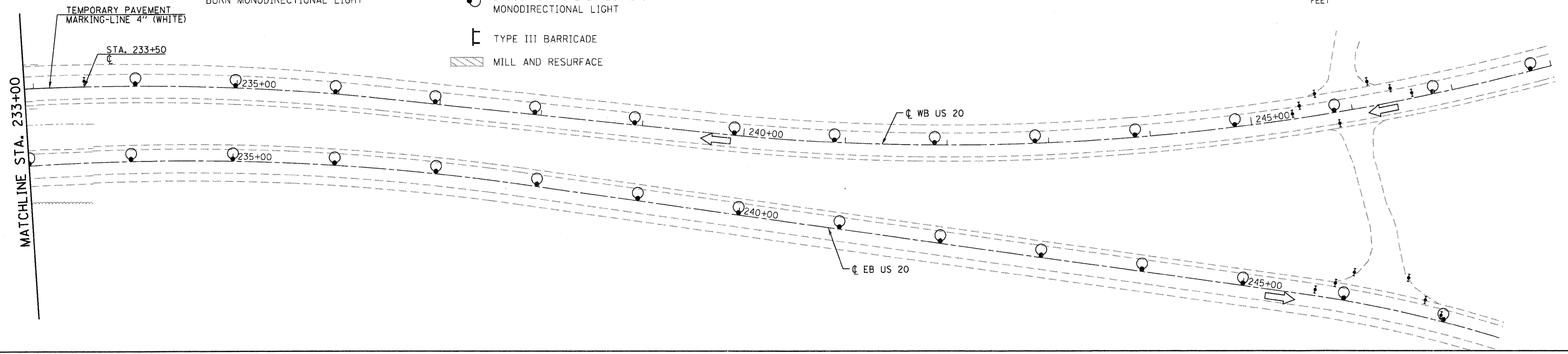
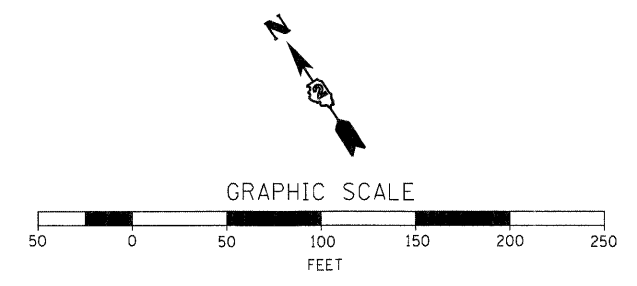
- ↑ ARROW BOARD
- ▨ WORK AREA
- ⊥ SIGN
- ↑ DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- ⊥ TYPE II BARRICADE, DRUM, OR VERTICAL BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- TEMPORARY CONCRETE BARRIER
- ◁ MONODIRECTIONAL BARRIER WALL/GUARDRAIL MARKER
- ▩ IMPACT ATTENUATOR
- ← DIRECTION OF TRAFFIC
- TEMPORARY PAVEMENT
- DRUMS WITH STEADY BURNING MONODIRECTIONAL LIGHT
- ⊥ TYPE III BARRICADE
- ▨ MILL AND RESURFACE

NOTES:
1. TEMPORARY CONCRETE BARRIER OFFSETS ARE MEASURED TO THE TRAFFIC SIDE OF THE WALL.



USER NAME = gjemerson	DESIGNED JAC	REVISED -		1701 ROUTE 35 NORTH EAST DUBUQUE, IL 61025 (815) 747-8833 DESIGN FIRM #184001036	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	US 20 TRAFFIC CONTROL PLANS (STAGE 2) SN 043-0002 & SN 043-0003	F.A.P. RTE. 301	SECTION 43B, 44B, 44HB, 45B(D)	COUNTY JO DAVIESS	TOTAL SHEETS 309	SHEET NO. 60		
FILE NAME = Z03207-shr-staging-GMBOXED3.dwg	DRAWN JAC	REVISED -			SCALE: 1"=50'			SHEET NO. 1 OF 2 SHEETS		STA. 204+00 TO STA. 233+00			
PLT DATE = 12/6/2011	CHECKED -	REVISED -			CONTRACT NO. 64C94								
PLT TIME = 10:16:41 AM					ILLINOIS FED. AID PROJECT								

- LEGEND**
- ↑ ARROW BOARD
 - ▨ WORK AREA
 - ⊥ SIGN
 - ⬆ DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
 - ⊥ TYPE II BARRICADE, DRUM, OR VERTICAL BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
 - ⊥ TYPE III BARRICADE
 - ▨ MILL AND RESURFACE
 - ▬ TEMPORARY CONCRETE BARRIER
 - ◁ MONODIRECTIONAL BARRIER WALL/GUARDRAIL MARKER
 - ▨ IMPACT ATTENUATOR
 - ← DIRECTION OF TRAFFIC
 - ▨ TEMPORARY PAVEMENT
 - ⊙ DRUMS WITH STEADY BURNING MONODIRECTIONAL LIGHT



USER NAME = gjameson	DESIGNED -	REVISED -		STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	US 20 TRAFFIC CONTROL PLANS (STAGE 2)			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
FILE NAME = 203207-shr-staging-GN03.dgn	DRAWN -	REVISED -			1701 ROUTE 35 NORTH EAST DUBUQUE, IL 61025 (815) 747-8833 DESIGN FIRM #184001036	SN 043-0002 & SN 043-0003			301	(43B,44B,44HB,45B)D	JO DAVIESS	309	61
PLOT DATE = 12/6/2011	CHECKED -	REVISED -			SCALE: 1"=50' SHEET NO. 2 OF 2 SHEETS STA. 233+00 TO STA. 248+00			CONTRACT NO. 64C94					
PLOT TIME = 10:18:42 AM					ILLINOIS FED. AID PROJECT								

SEQUENCE OF CONSTRUCTION FOR SN 043-0004

PRESTAGE

SET UP TRAFFIC CONTROL AND PROTECTION ACCORDING TO HIGHWAY STANDARD 701401. SEE HIGHWAY STANDARD FOR SIGNS AND DEVICES.

MILL 2" OFF THE INSIDE 4' OF THE EXISTING NORTH AND SOUTH HMA SHOULDERS TO REMOVE THE EXISTING RUMBLE STRIP AS SHOWN ON THE PLANS.

CONSTRUCT 2" HMA SURFACE COURSE ON THE INSIDE 4' OF THE EXISTING NORTH AND SOUTH HMA SHOULDERS.

STAGE 1

SET UP TRAFFIC CONTROL AND PROTECTION ACCORDING TO HIGHWAY STANDARD 701402. SEE HIGHWAY STANDARD FOR ADDITIONAL SIGNS AND DEVICES. SHIFT EASTBOUND TRAFFIC ONTO THE NORTH LANE.

REMOVE THE SOUTH HALF OF THE EXISTING BRIDGE, APPROACH SLABS, PAVEMENT AND SHOULDERS AS SHOWN ON THE PLANS.

CONSTRUCT THE SOUTH HALF OF THE BRIDGE, APPROACH SLABS, BRIDGE APPROACH PAVEMENT CONNECTORS AND DRAINAGE STRUCTURES AS SHOWN ON THE PLANS.

CONSTRUCT THE PROPOSED HMA SHOULDERS, SHOULDER WIDENING, STEEL PLATE BEAM GUARDRAIL, TRAFFIC BARRIER TERMINALS AND SEEDING ALONG THE SOUTH LANE.

STAGE 2

SET UP TRAFFIC CONTROL AND PROTECTION ACCORDING TO HIGHWAY STANDARD 701402. SEE HIGHWAY STANDARD FOR ADDITIONAL SIGNS AND DEVICES. SHIFT EASTBOUND TRAFFIC ONTO THE SOUTH LANE.

REMOVE THE REMAINING PORTION OF THE EXISTING BRIDGE, APPROACH SLABS, PAVEMENT AND SHOULDERS AS SHOWN ON THE PLANS.

CONSTRUCT THE REMAINING PORTION OF THE BRIDGE, APPROACH SLABS, BRIDGE APPROACH PAVEMENT CONNECTORS AND DRAINAGE STRUCTURES AS SHOWN ON THE PLANS.

CONSTRUCT THE PROPOSED HMA SHOULDERS, SHOULDER WIDENING, STEEL PLATE BEAM GUARDRAIL, TRAFFIC BARRIER TERMINALS AND SEEDING ALONG THE NORTH LANE.

STAGE 3

SET UP TRAFFIC CONTROL AND PROTECTION ACCORDING TO HIGHWAY STANDARD 701406. SEE HIGHWAY STANDARD FOR ADDITIONAL SIGNS AND DEVICES.

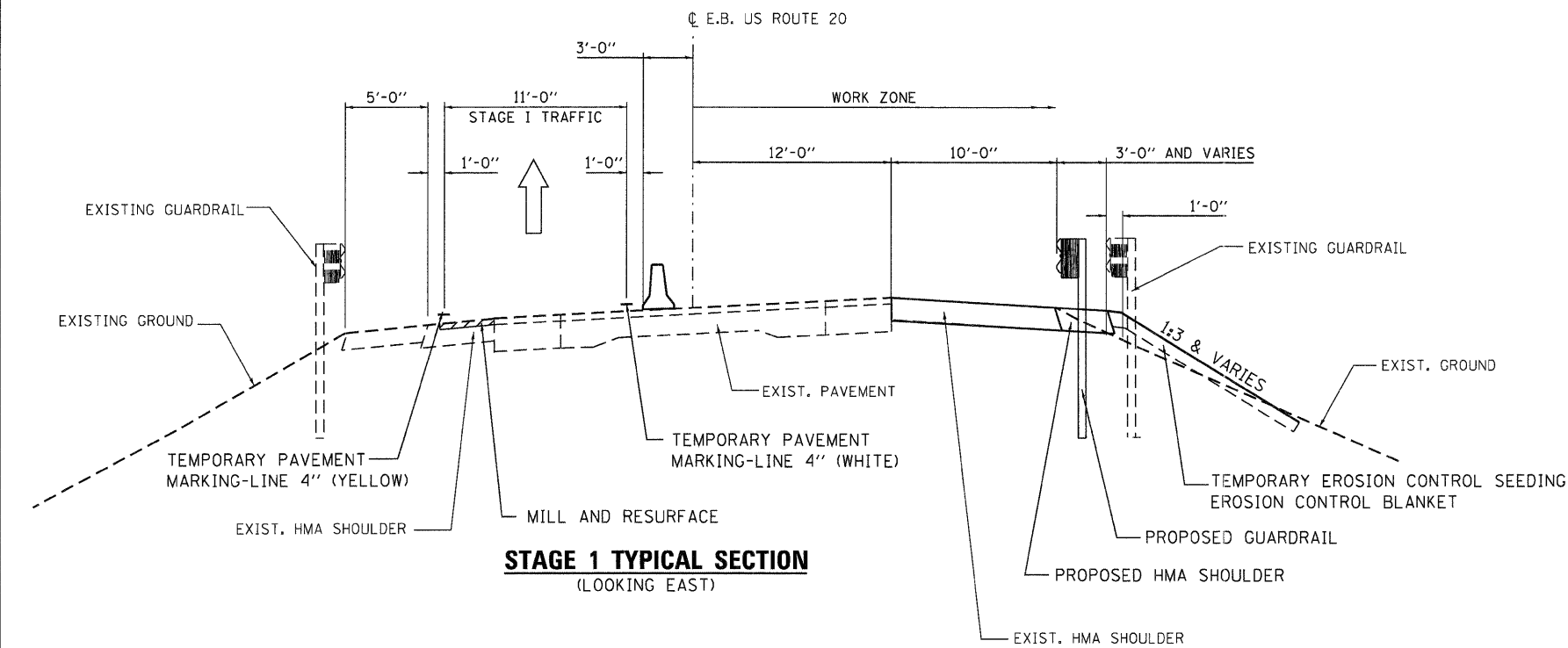
REMOVE THE GUARDRAIL AND TRAFFIC BARRIER TERMINAL RAILS IN ACCORDANCE WITH DISTRICT 2 STANDARD 23-4.

MILL AND RESURFACE THE PAVEMENT AND SHOULDERS AS SHOWN ON THE PLANS.

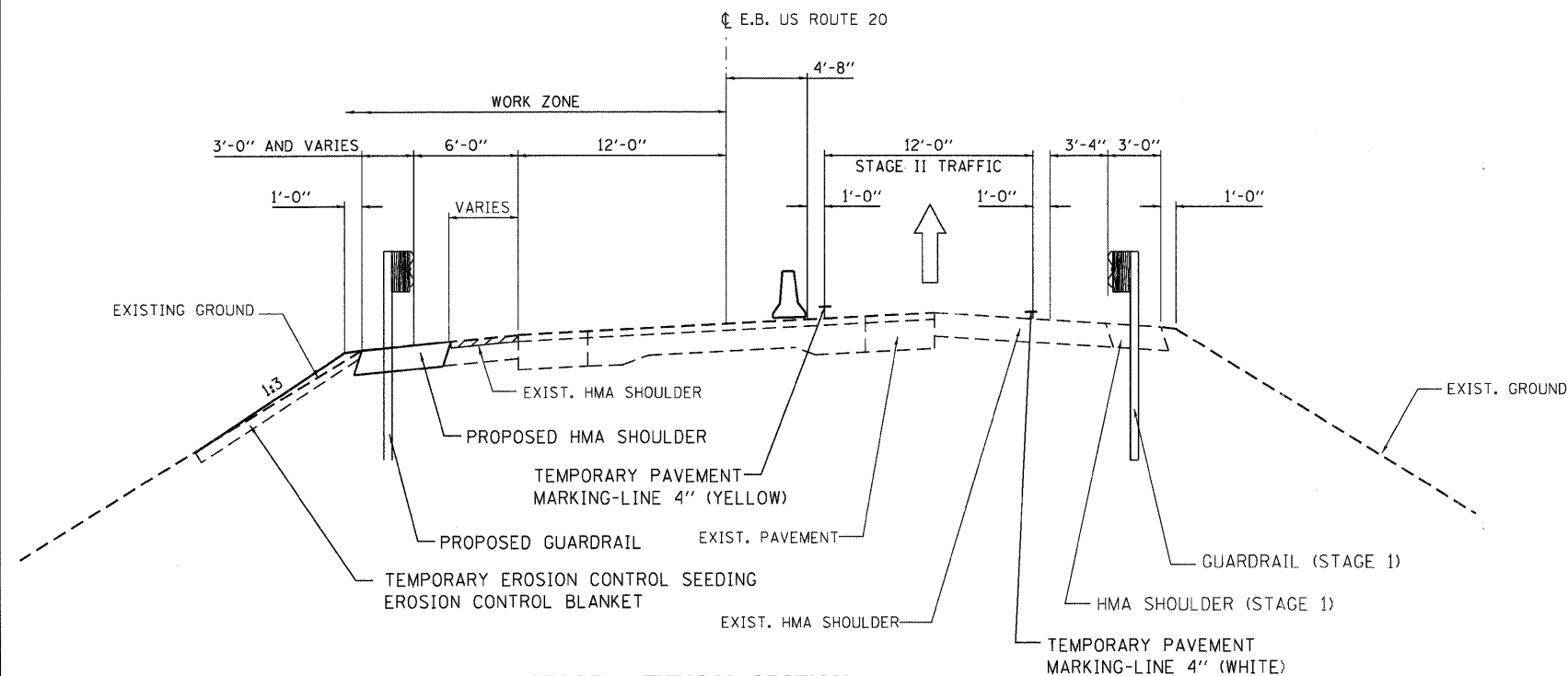
REPLACE THE STEEL PLATE BEAM GUARDRAIL AND TRAFFIC BARRIER TERMINAL RAILS.

STAGE 4

SET UP TRAFFIC CONTROL AND PROTECTION ACCORDING TO HIGHWAY STANDARD 701426. SEE HIGHWAY STANDARD FOR SIGNS AND DEVICES. PLACE THE PAVEMENT STRIPING AND CLEANUP.



STAGE 1 TYPICAL SECTION
(LOOKING EAST)



STAGE 2 TYPICAL SECTION
(LOOKING EAST)

USER NAME = gjameson	DESIGNED -	REVISED -
FILE NAME = Z03207-sht-STAGE-1	CHECKED -	REVISED -
PLOT DATE = 12/6/2011	DRAWN -	REVISED -
PLOT TIME = 10:18:18 AM	CHECKED -	REVISED -

WHKS & CO.
1701 ROUTE 35 NORTH
EAST DUBUQUE, IL 61025
(815) 747-8833
DESIGN FIRM #184001036

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 20 TRAFFIC CONTROL TYPICAL SECTIONS
SN 043-0004

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	(43B,44B,44HB,45B)D	JO DAVIESS	309	62
CONTRACT NO. 64C94			ILLINOIS FED. AID PROJECT	

SEQUENCE OF CONSTRUCTION FOR SN 043-0005

PRESTAGE

SET UP TRAFFIC CONTROL AND PROTECTION ACCORDING TO HIGHWAY STANDARD 701401. SEE HIGHWAY STANDARD FOR SIGNS AND DEVICES.

MILL 2" OFF THE INSIDE 4' OF THE EXISTING NORTH AND SOUTH HMA SHOULDERS TO REMOVE THE EXISTING RUMBLE STRIP AS SHOWN ON THE PLANS.

CONSTRUCT 2" HMA SURFACE COURSE ON THE INSIDE 4' OF THE EXISTING NORTH AND SOUTH HMA SHOULDERS.

STAGE 1

SET UP TRAFFIC CONTROL AND PROTECTION ACCORDING TO HIGHWAY STANDARD 701402. SEE HIGHWAY STANDARD FOR ADDITIONAL SIGNS AND DEVICES. SHIFT WESTBOUND TRAFFIC ONTO THE NORTH LANE.

REMOVE THE SOUTH HALF OF THE EXISTING BRIDGE, APPROACH SLABS, PAVEMENT AND SHOULDERS AS SHOWN ON THE PLANS.

CONSTRUCT THE SOUTH HALF OF THE BRIDGE, APPROACH SLABS, BRIDGE APPROACH PAVEMENT CONNECTORS AND DRAINAGE STRUCTURES AS SHOWN ON THE PLANS.

CONSTRUCT THE PROPOSED HMA SHOULDERS, SHOULDER WIDENING, STEEL PLATE BEAM GUARDRAIL, TRAFFIC BARRIER TERMINALS AND SEEDING ALONG THE SOUTH LANE.

STAGE 2

SET UP TRAFFIC CONTROL AND PROTECTION ACCORDING TO HIGHWAY STANDARD 701402. SEE HIGHWAY STANDARD FOR ADDITIONAL SIGNS AND DEVICES. SHIFT WESTBOUND TRAFFIC ONTO THE SOUTH LANE.

REMOVE THE REMAINING PORTION OF THE EXISTING BRIDGE, APPROACH SLABS, PAVEMENT AND SHOULDERS AS SHOWN ON THE PLANS.

CONSTRUCT THE REMAINING PORTION OF THE BRIDGE, APPROACH SLABS, BRIDGE APPROACH PAVEMENT CONNECTORS AND DRAINAGE STRUCTURES AS SHOWN ON THE PLANS.

CONSTRUCT THE PROPOSED HMA SHOULDERS, SHOULDER WIDENING, STEEL PLATE BEAM GUARDRAIL, TRAFFIC BARRIER TERMINALS AND SEEDING ALONG THE NORTH LANE.

STAGE 3

SET UP TRAFFIC CONTROL AND PROTECTION ACCORDING TO HIGHWAY STANDARD 701406. SEE HIGHWAY STANDARD FOR ADDITIONAL SIGNS AND DEVICES.

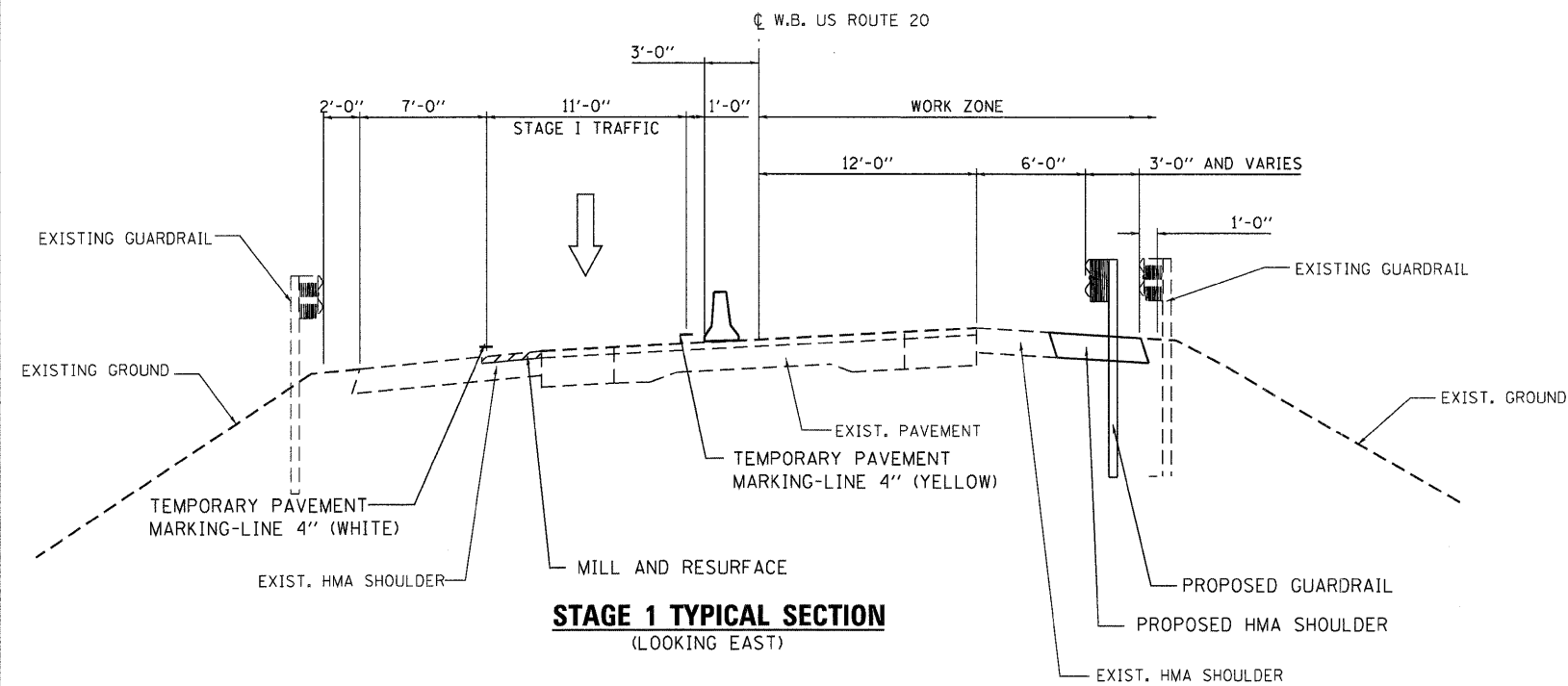
REMOVE THE GUARDRAIL AND TRAFFIC BARRIER TERMINAL RAILS IN ACCORDANCE WITH DISTRICT 2 STANDARD 23-4.

MILL AND RESURFACE THE PAVEMENT AND SHOULDERS AS SHOWN ON THE PLANS.

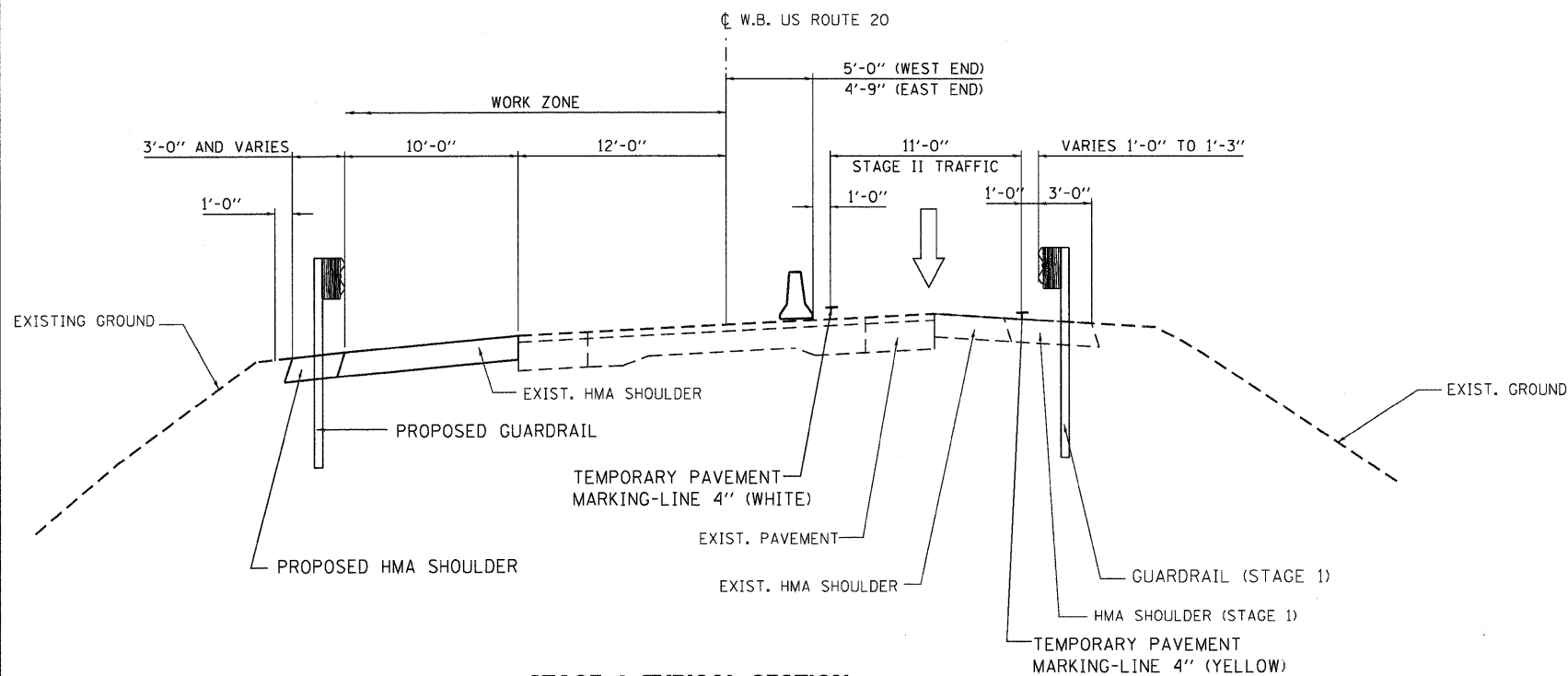
REPLACE THE STEEL PLATE BEAM GUARDRAIL AND TRAFFIC BARRIER TERMINAL RAILS.

STAGE 4

SET UP TRAFFIC CONTROL AND PROTECTION ACCORDING TO HIGHWAY STANDARD 701426. SEE HIGHWAY STANDARD FOR SIGNS AND DEVICES. PLACE THE PAVEMENT STRIPING AND CLEANUP.



STAGE 1 TYPICAL SECTION
(LOOKING EAST)



STAGE 2 TYPICAL SECTION
(LOOKING EAST)

USER NAME = gjameson	DESIGNED -	REVISED -		1701 ROUTE 35 NORTH EAST DUBUQUE, IL 61025 (815) 747-8833 DESIGN FIRM #184001036
FILE NAME = Z03207-ah-t-STAGE-1	CHECKED -	REVISED -		
PLOT DATE = 12/6/2011	DRAWN -	REVISED -		
PLOT TIME = 10:18:18 AM	CHECKED -	REVISED -		

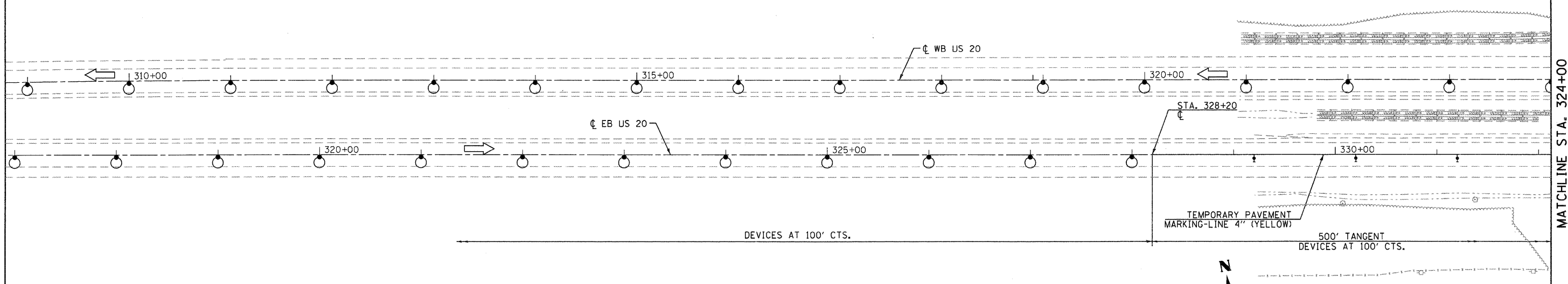
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 20 TRAFFIC CONTROL TYPICAL SECTIONS
SN 043-0005

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

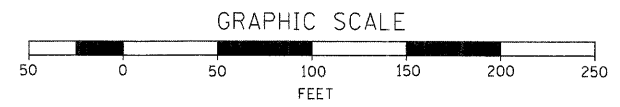
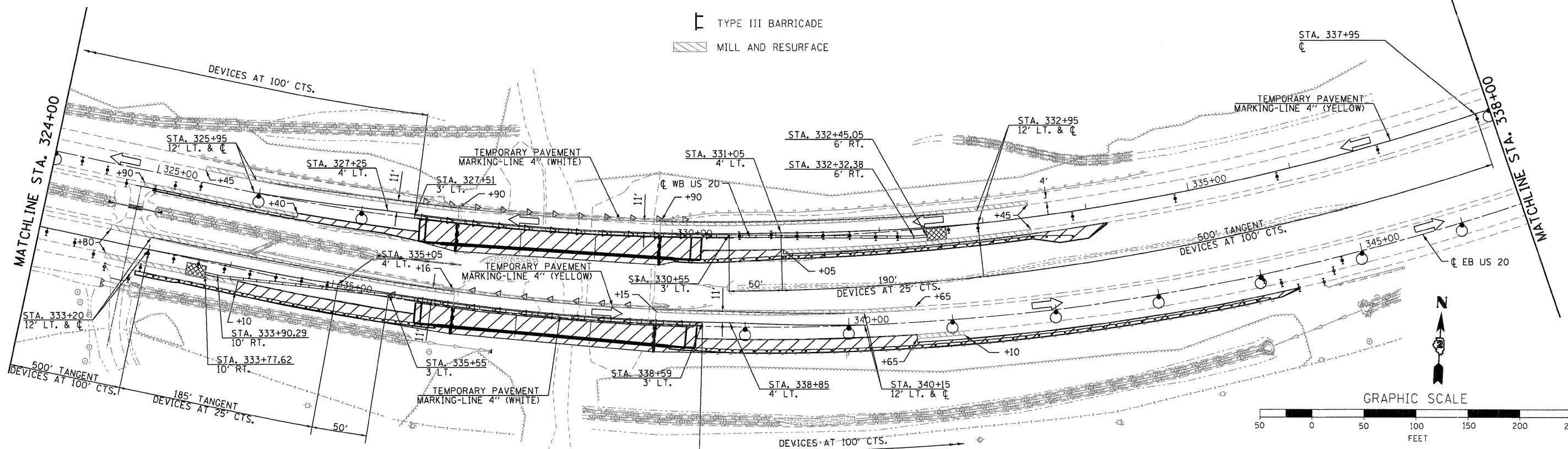
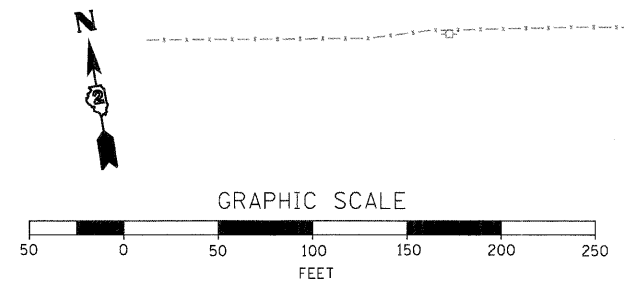
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	(43B,44B,44HB,45B)D	JO DAVIESS	309	63
CONTRACT NO. 64C94				
ILLINOIS FED. AID PROJECT				

NOTES:
 1. TEMPORARY CONCRETE BARRIER OFFSETS ARE MEASURED TO THE TRAFFIC SIDE OF THE WALL.



LEGEND

- ARROW BOARD
- WORK AREA
- SIGN
- DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- TYPE II BARRICADE, DRUM, OR VERTICAL BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- TEMPORARY CONCRETE BARRIER
- MONODIRECTIONAL BARRIER WALL/GUARDRAIL MARKER
- IMPACT ATTENUATOR
- DIRECTION OF TRAFFIC
- TEMPORARY PAVEMENT
- DRUMS WITH STEADY BURNING MONODIRECTIONAL LIGHT
- TYPE III BARRICADE
- MILL AND RESURFACE



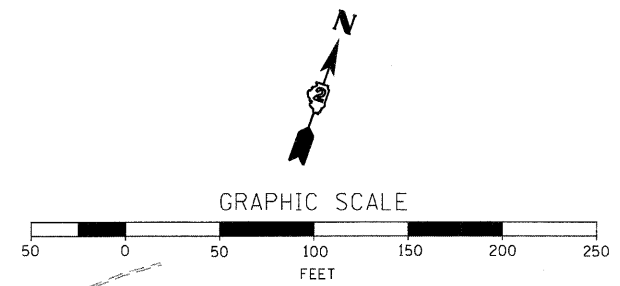
USER NAME = gjameson	DESIGNED -	REVISED -
FILE NAME = Z03207-ahf-staging-SH00K005.dgn	REVISIONS	REVISIONS
PLOT DATE = 12/6/2011	DRAWN -	REVISED -
PLOT TIME = 10:18:44 AM	CHECKED -	REVISED -

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 1701 ROUTE 35 NORTH
 EAST DUBUQUE, IL 61025
 (815) 747-8833
 DESIGN FIRM #184001036

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

US 20 TRAFFIC CONTROL PLANS (STAGE 1)
 SN 043-0004 & SN 043-0005
 SCALE: 1"=50' SHEET NO. 1 OF 2 SHEETS STA. 310+00 TO STA. 338+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	(43B,44B,44HB,45B)D	JO DAVIESS	309	64
CONTRACT NO. 64C94			ILLINOIS FED. AID PROJECT	

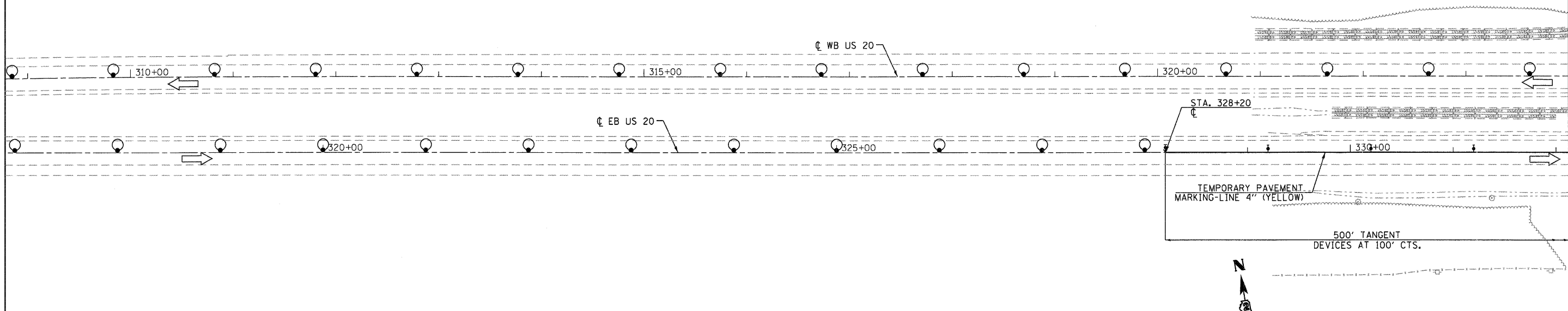


- LEGEND**
- ↑ ARROW BOARD
 - ▨ WORK AREA
 - ⊥ SIGN
 - ▲ DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
 - ⊥ TYPE II BARRICADE, DRUM, OR VERTICAL BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
 - TEMPORARY CONCRETE BARRIER
 - ◁ MONODIRECTIONAL BARRIER WALL/GUARDRAIL MARKER
 - ▩ IMPACT ATTENUATOR
 - ← DIRECTION OF TRAFFIC
 - TEMPORARY PAVEMENT
 - DRUMS WITH STEADY BURNING MONODIRECTIONAL LIGHT
 - ⊥ TYPE III BARRICADE
 - ▨ MILL AND RESURFACE



USER NAME = gjameson	DESIGNED JAC	REVISED -		1701 ROUTE 35 NORTH EAST DUBUQUE, IL 61025 (815) 747-8833 DESIGN FIRM #184001036	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	US 20 TRAFFIC CONTROL PLANS (STAGE 1) SN 043-0004 & SN 043-0005		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FILE NAME = Z03207-sht-staging	CHECKED JAC	REVISED -				301	(43B,44B,44HB,45B)D	JO DAVIESS	309	65		
PLOT DATE = 12/6/2011	DRAWN JAK	REVISED -				CONTRACT NO. 64C94						
PLOT TIME = 10:18:46 AM	CHECKED -	REVISED -				ILLINOIS FED. AID PROJECT						
						SCALE: 1"=50'	SHEET NO. 2 OF 2 SHEETS	STA. 338+00 TO STA. 353+00				

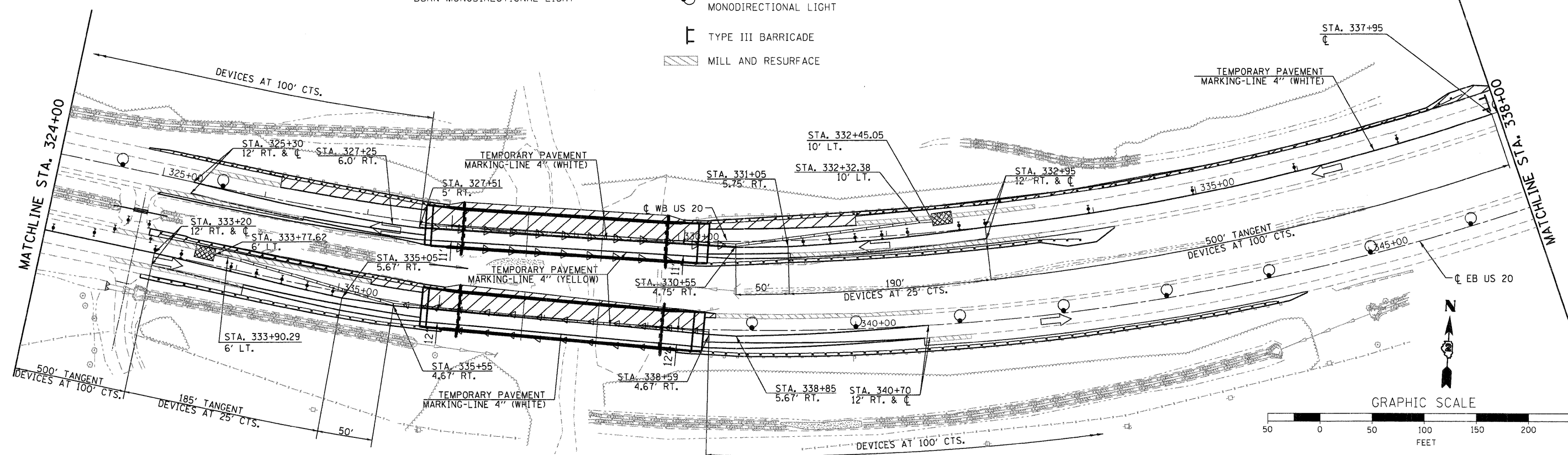
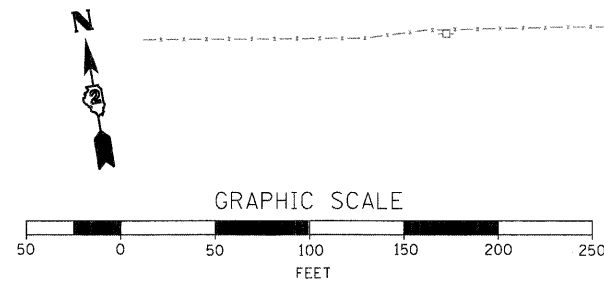
NOTES:
 1. TEMPORARY CONCRETE BARRIER OFFSETS ARE MEASURED TO THE TRAFFIC SIDE OF THE WALL.



MATCHLINE STA. 324+00

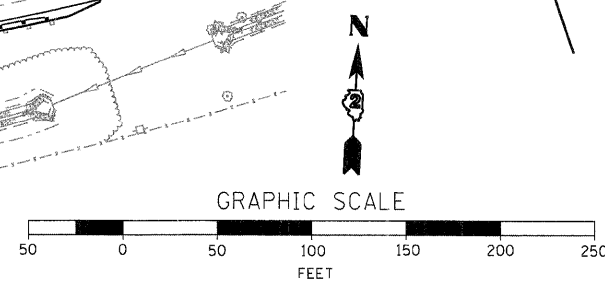
LEGEND

- ARROW BOARD
- WORK AREA
- SIGN
- DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- TYPE II BARRICADE, DRUM, OR VERTICAL BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- TYPE III BARRICADE
- TEMPORARY CONCRETE BARRIER
- MONODIRECTIONAL BARRIER WALL/GUARDRAIL MARKER
- IMPACT ATTENUATOR
- DIRECTION OF TRAFFIC
- TEMPORARY PAVEMENT
- DRUMS WITH STEADY BURNING MONODIRECTIONAL LIGHT
- MILL AND RESURFACE

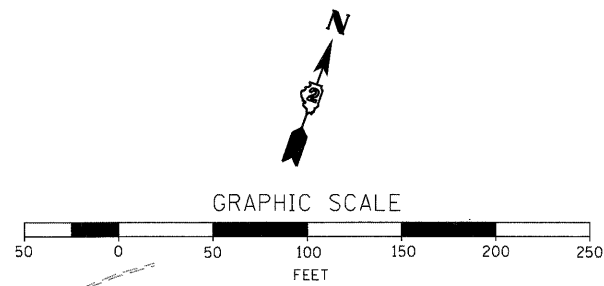


MATCHLINE STA. 324+00

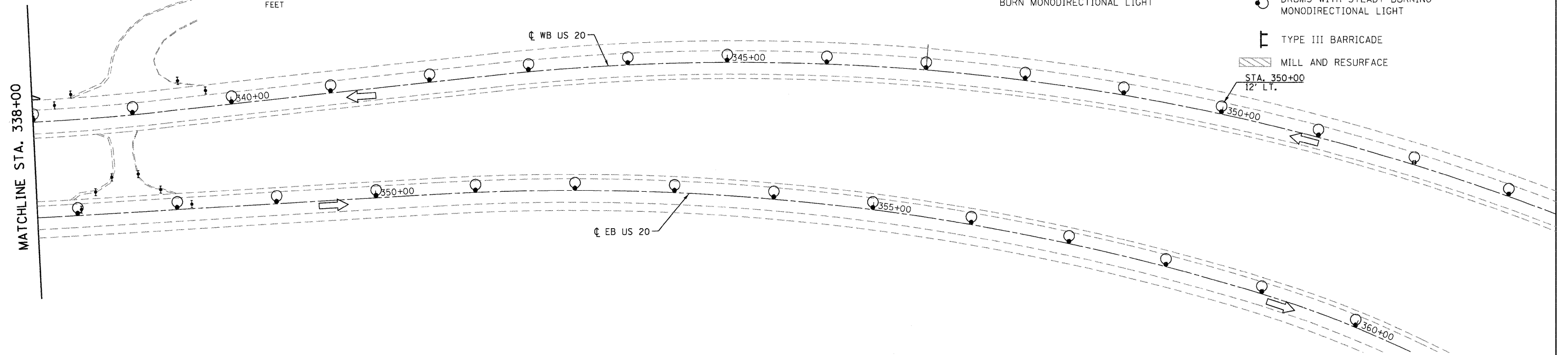
MATCHLINE STA. 348+00



USER NAME = gjameson	DESIGNED -	REVISED -		1701 ROUTE 35 NORTH EAST DUBUQUE, IL 61025 (815) 747-8833 DESIGN FIRM #184001036	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION			US 20 TRAFFIC CONTROL PLANS (STAGE 2) SN 043-0004 & SN 043-0005			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FILE NAME = Z03207-sh1-staging-64504005.dgn	DRAWN -	REVISED -						301	(43B,44B,44HB,45B)	JO DAVIESS	309	66			
PLOT DATE = 12/6/2011	CHECKED -	REVISED -			SCALE: 1"=50' SHEET NO. 1 OF 2 SHEETS STA. 310+00 TO STA. 338+00			CONTRACT NO. 64C94							
PLOT TIME = 10:18:47 AM					ILLINOIS FED. AID PROJECT										



- LEGEND**
- ↑ ARROW BOARD
 - ▨ WORK AREA
 - ⊥ SIGN
 - ↑ DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
 - ⊥ TYPE II BARRICADE, DRUM, OR VERTICAL BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
 - TEMPORARY CONCRETE BARRIER
 - ◁ MONODIRECTIONAL BARRIER WALL/GUARDRAIL MARKER
 - ▩ IMPACT ATTENUATOR
 - ← DIRECTION OF TRAFFIC
 - ▨ TEMPORARY PAVEMENT
 - DRUMS WITH STEADY BURNING MONODIRECTIONAL LIGHT
 - ⊥ TYPE III BARRICADE
 - ▨ MILL AND RESURFACE



USER NAME = gjameson	DESIGNED JAC	REVISED -
FILE NAME = Z03207-sht-staging-GMB0405.dwg	DRAWN JAK	REVISED -
PLOT DATE = 12/6/2011	CHECKED -	REVISED -
PLOT TIME = 10:18:49 AM		

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1701 ROUTE 35 NORTH
EAST DUBUQUE, IL 61025
(815) 747-8833
DESIGN FIRM #184001036

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 20 TRAFFIC CONTROL PLANS (STAGE 2)
SN 043-0004 & SN 043-0005

SCALE: 1"=50' SHEET NO. 2 OF 2 SHEETS STA. 338+00 TO STA. 353+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	(43B,44B,44HB,45B)D	JO DAVIESS	309	67
CONTRACT NO. 64C94				
ILLINOIS FED. AID PROJECT				

SEQUENCE OF CONSTRUCTION FOR SN 043-0006

PRESTAGE

SET UP TRAFFIC CONTROL AND PROTECTION ACCORDING TO HIGHWAY STANDARD 701401. SEE HIGHWAY STANDARD FOR SIGNS AND DEVICES.

MILL 2" OFF THE INSIDE 4' OF THE EXISTING NORTH AND SOUTH HMA SHOULDERS TO REMOVE THE EXISTING RUMBLE STRIP AS SHOWN ON THE PLANS.

CONSTRUCT 2" HMA SURFACE COURSE ON THE INSIDE 4' OF THE EXISTING NORTH AND SOUTH HMA SHOULDERS.

STAGE 1

SET UP TRAFFIC CONTROL AND PROTECTION ACCORDING TO HIGHWAY STANDARD 701402 AND 701411. SEE HIGHWAY STANDARD FOR ADDITIONAL SIGNS AND DEVICES. SHIFT WESTBOUND TRAFFIC ONTO THE NORTH LANE.

REMOVE THE SOUTH HALF OF THE EXISTING BRIDGE, APPROACH SLABS, PAVEMENT AND SHOULDERS AS SHOWN ON THE PLANS.

CONSTRUCT THE SOUTH HALF OF THE BRIDGE, APPROACH SLABS, BRIDGE APPROACH PAVEMENT CONNECTORS AND DRAINAGE STRUCTURES AS SHOWN ON THE PLANS.

CONSTRUCT THE PROPOSED HMA SHOULDERS, SHOULDER WIDENING, TEMPORARY WIDENING, STEEL PLATE BEAM GUARDRAIL, TRAFFIC BARRIER TERMINALS AND SEEDING ALONG THE SOUTH LANE.

STAGE 2

SET UP TRAFFIC CONTROL AND PROTECTION ACCORDING TO HIGHWAY STANDARD 701402 AND 701411. SEE HIGHWAY STANDARD FOR ADDITIONAL SIGNS AND DEVICES. SHIFT WESTBOUND TRAFFIC ONTO THE SOUTH LANE.

REMOVE THE REMAINING PORTION OF THE EXISTING BRIDGE, APPROACH SLABS, PAVEMENT AND SHOULDERS AS SHOWN ON THE PLANS.

CONSTRUCT THE REMAINING PORTION OF THE BRIDGE, APPROACH SLABS, BRIDGE APPROACH PAVEMENT CONNECTORS AND DRAINAGE STRUCTURES AS SHOWN ON THE PLANS.

CONSTRUCT THE PROPOSED HMA SHOULDERS, SHOULDER WIDENING, STEEL PLATE BEAM GUARDRAIL, TRAFFIC BARRIER TERMINALS AND SEEDING ALONG THE NORTH LANE.

STAGE 3

SET UP TRAFFIC CONTROL AND PROTECTION ACCORDING TO HIGHWAY STANDARD 701406. SEE HIGHWAY STANDARD FOR ADDITIONAL SIGNS AND DEVICES.

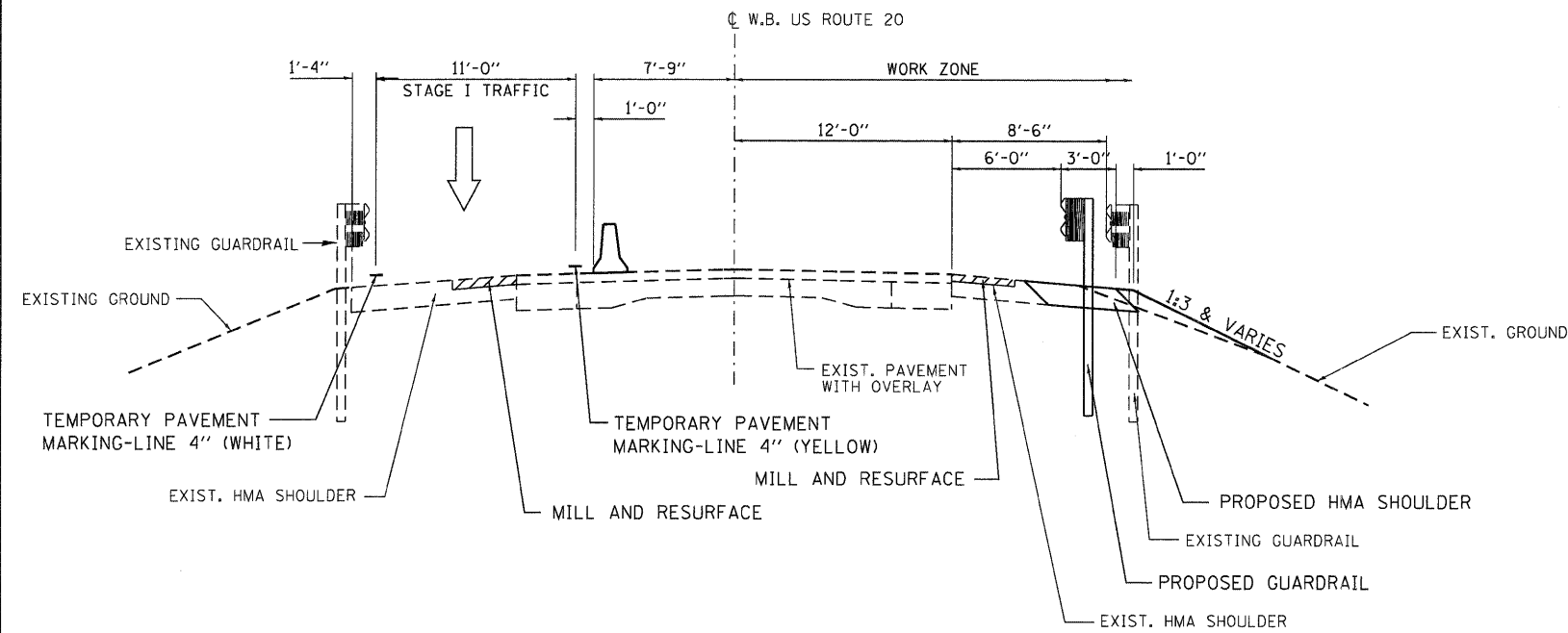
REMOVE THE GUARDRAIL AND TRAFFIC BARRIER TERMINAL RAILS IN ACCORDANCE WITH DISTRICT 2 STANDARD 23-4.

MILL AND RESURFACE THE PAVEMENT AND SHOULDERS AS SHOWN ON THE PLANS.

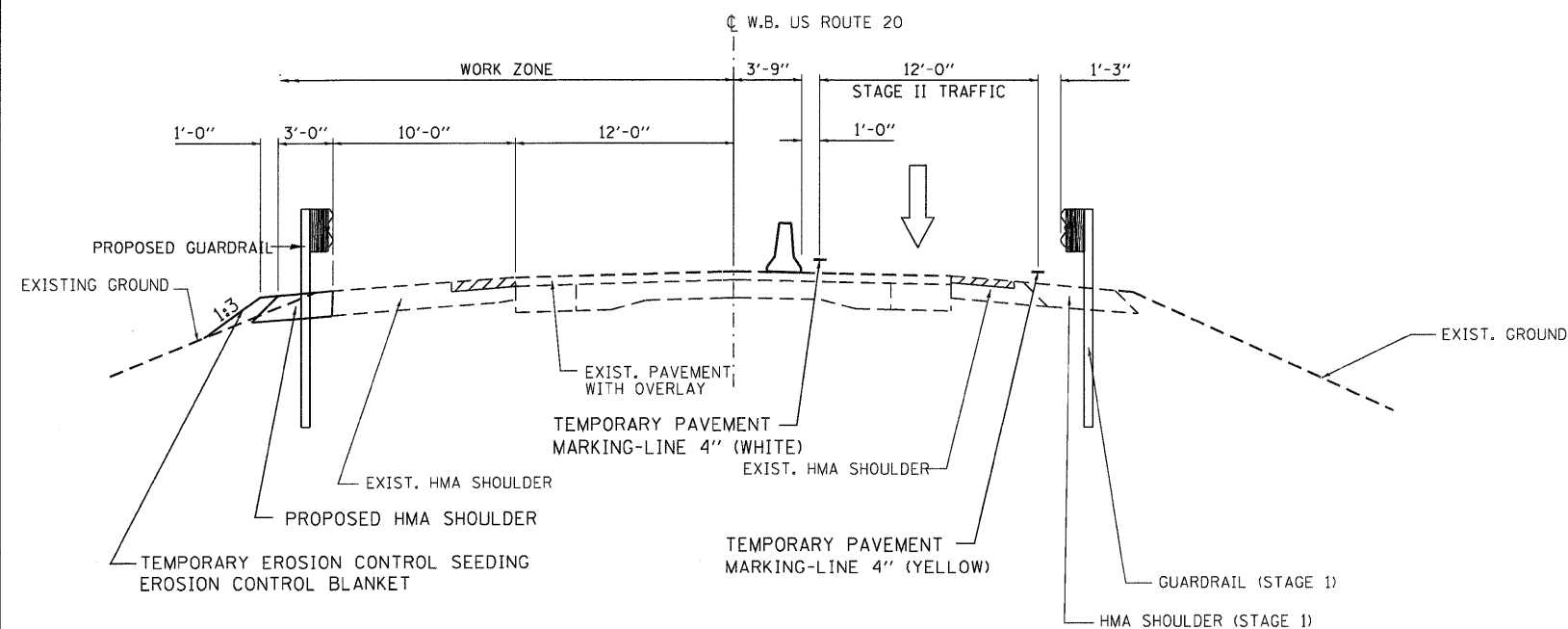
REPLACE THE STEEL PLATE BEAM GUARDRAIL AND TRAFFIC BARRIER TERMINAL RAILS.

STAGE 4

SET UP TRAFFIC CONTROL AND PROTECTION ACCORDING TO HIGHWAY STANDARD 701426. SEE HIGHWAY STANDARD FOR SIGNS AND DEVICES. PLACE THE PAVEMENT STRIPING AND CLEANUP.



STAGE 1 TYPICAL SECTION
(LOOKING EAST)



STAGE 2 TYPICAL SECTION
(LOOKING EAST)

USER NAME = gjameson	DESIGNED -	REVISED -
FILE NAME = 203207-sh1-STAGE-1	CHECKED -	REVISED -
PLOT DATE = 12/6/2011	DRAWN -	REVISED -
PLOT TIME = 10:18:19 AM	CHECKED -	REVISED -

WHKS & CO.
ENGINEERING
1701 ROUTE 35 NORTH
EAST DUBUQUE, IL 61025
(815) 747-8833
DESIGN FIRM #184001036


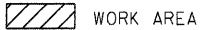



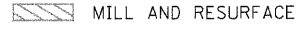
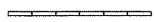






STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

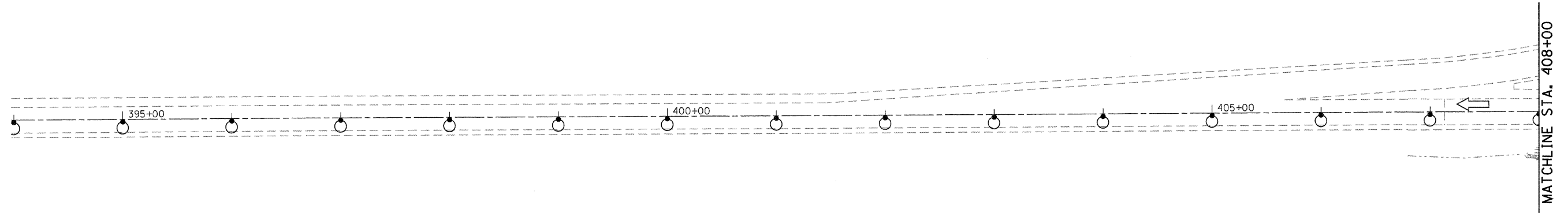
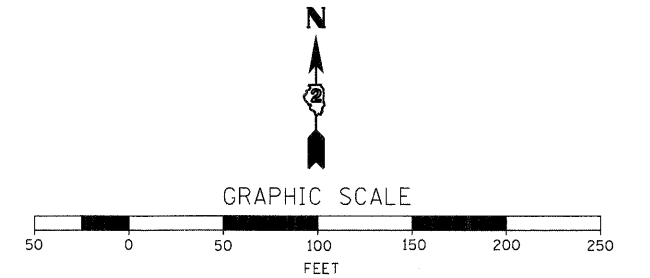
US 20 TRAFFIC CONTROL TYPICAL SECTIONS
SN 043-0006

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

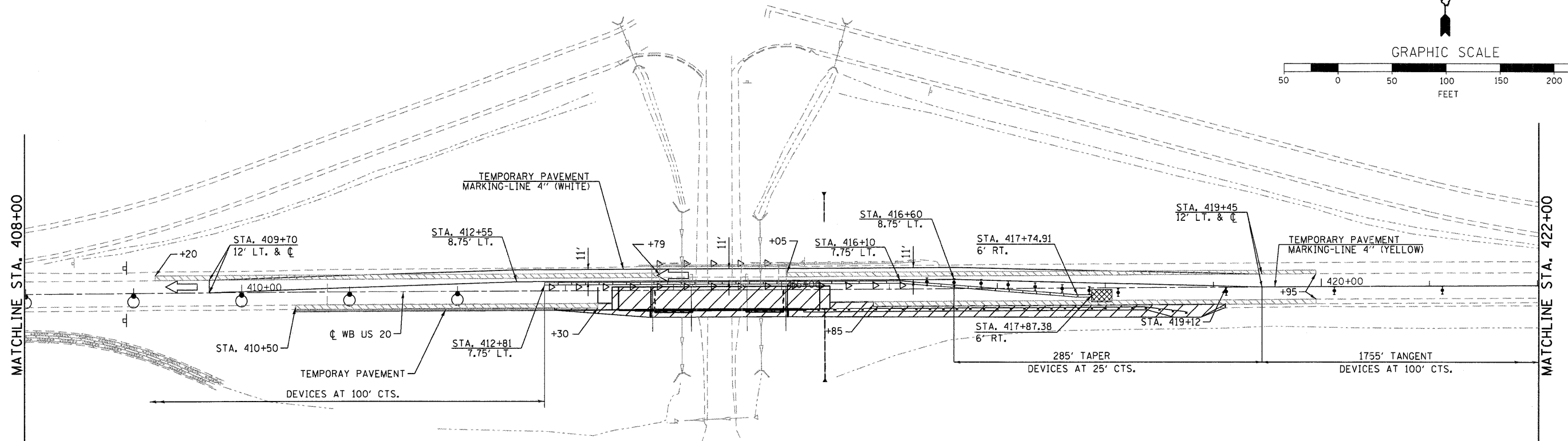
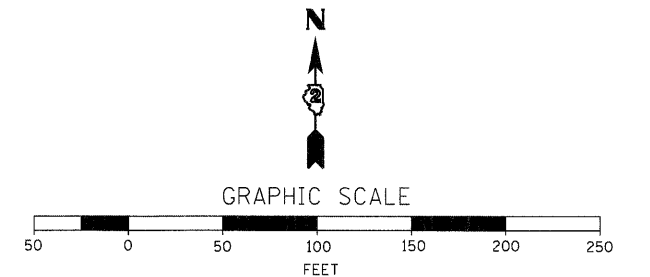
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	(43B,44B,44HB,45B)D	JO DAVIESS	309	68
			CONTRACT NO. 64C94	
ILLINOIS FED. AID PROJECT				

LEGEND

-  ARROW BOARD
-  WORK AREA
-  SIGN
-  DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
-  TYPE II BARRICADE, DRUM, OR VERTICAL BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
-  MILL AND RESURFACE
-  TEMPORARY CONCRETE BARRIER
-  MONODIRECTIONAL BARRIER WALL/GUARDRAIL MARKER
-  IMPACT ATTENUATOR
-  DIRECTION OF TRAFFIC
-  TEMPORARY PAVEMENT
-  DRUMS WITH STEADY BURNING MONODIRECTIONAL LIGHT
-  TYPE III BARRICADE



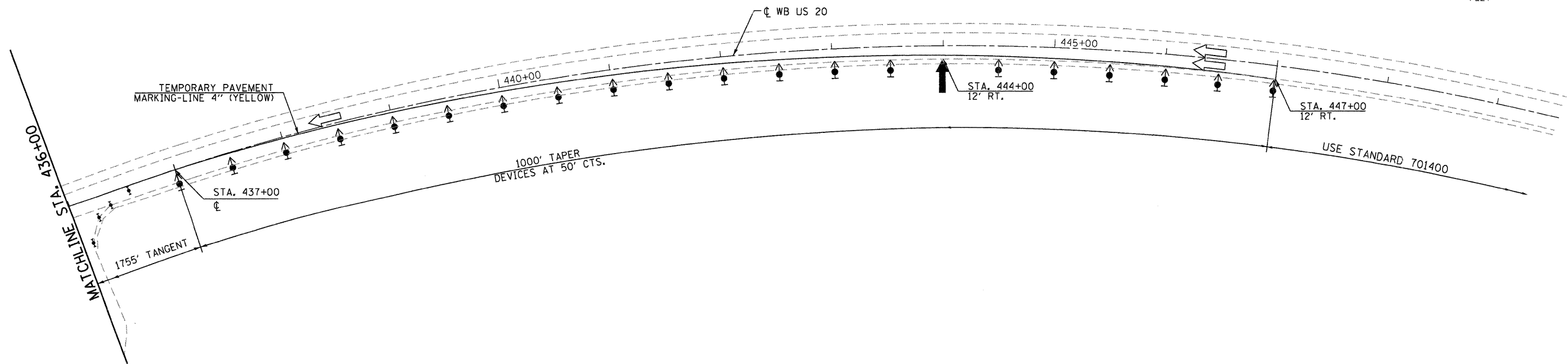
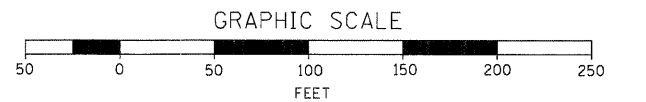
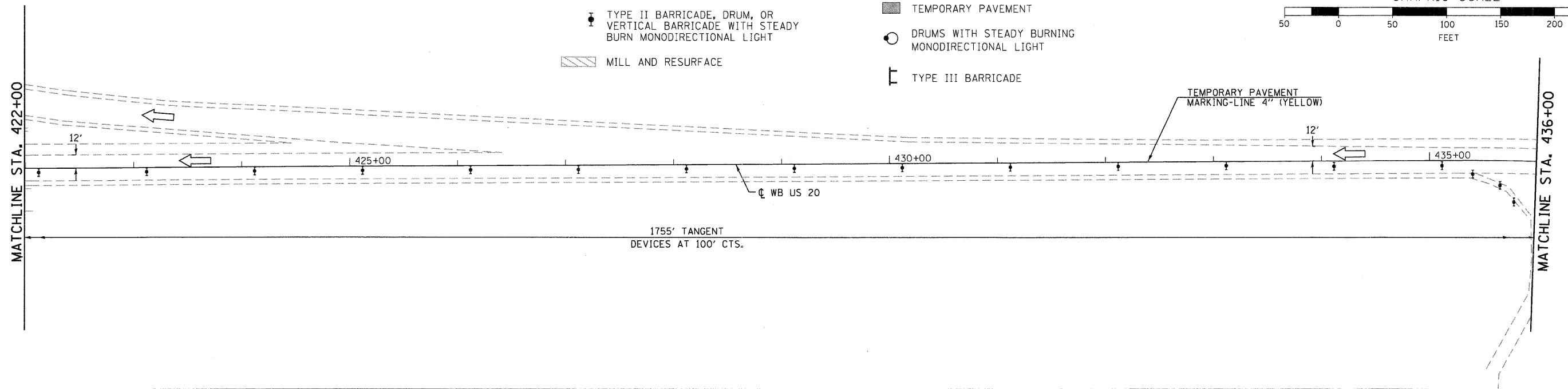
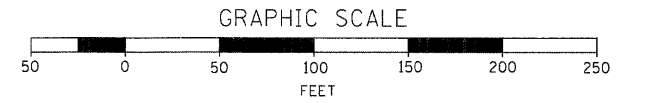
NOTES:
 1. TEMPORARY CONCRETE BARRIER WALL
 OFFSETS ARE MEASURED TO THE TRAFFIC
 SIDE OF THE WALL



USER NAME = g_jameson	DESIGNED -	REVISED -		1701 ROUTE 35 NORTH EAST DUBUQUE, IL 61025 (815) 747-8833 DESIGN FIRM #184001036	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	US 20 TRAFFIC CONTROL PLANS (STAGE 1) SN 043-0006 (WB)	F.A.P. RTE. =	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FILE NAME = 283207-shft-staging	SHDOKER	REVISED -					301	(43B,44B,44HB,45B)D	JO DAVIESS	309	69
PLOT DATE = 12/6/2011	DRAWN -	REVISED -					CONTRACT NO. 64C94				
PLOT TIME = 10:18:59 AM	CHECKED -	REVISED -					ILLINOIS FED. AID PROJECT				
SCALE: 1"=50'						SHEET NO. 1 OF 2 SHEETS	STA. 395+00 TO STA. 422+00				

LEGEND

- ↑ ARROW BOARD
- ▨ WORK AREA
- ⊥ SIGN
- ↑ DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- ⬇ TYPE II BARRICADE, DRUM, OR VERTICAL BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- ▨ MILL AND RESURFACE
- ▬ TEMPORARY CONCRETE BARRIER
- ◁ MONODIRECTIONAL BARRIER WALL/GUARDRAIL MARKER
- ▨ IMPACT ATTENUATOR
- ← DIRECTION OF TRAFFIC
- ▨ TEMPORARY PAVEMENT
- DRUMS WITH STEADY BURNING MONODIRECTIONAL LIGHT
- ⊥ TYPE III BARRICADE

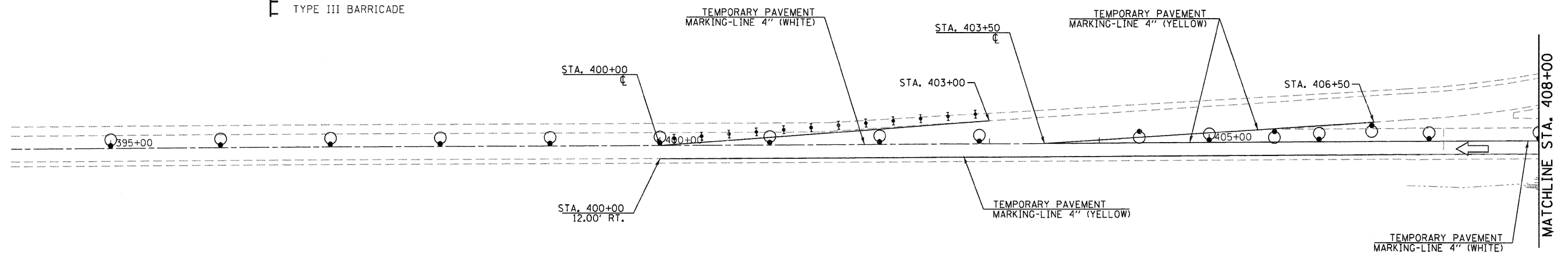
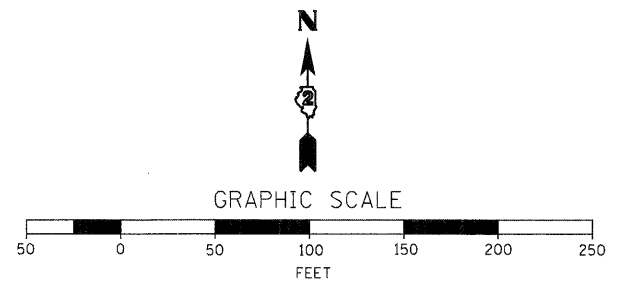


USER NAME = gjameson	DESIGNED -	REVISED -		1701 ROUTE 35 NORTH EAST DUBUQUE, IL 61025 (815) 747-8833 DESIGN FIRM #184001036	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	US 20 TRAFFIC CONTROL PLANS (STAGE 1) SN 043-0006 (WB)			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FILE NAME = 203207-shr-staging	DESIGNED -	REVISED -				301	(43B,44B,44HB,45B)D	JO DAVIESS	309	70			
PLOT DATE = 12/6/2011	DRAWN -	REVISED -				CONTRACT NO. 64C94							
PLOT TIME = 10:49:00 AM	CHECKED -	REVISED -				ILLINOIS FED. AID PROJECT							
						SCALE: 1"=50'		SHEET NO. 2 OF 2 SHEETS		STA. 422+00 TO STA. 447+00			

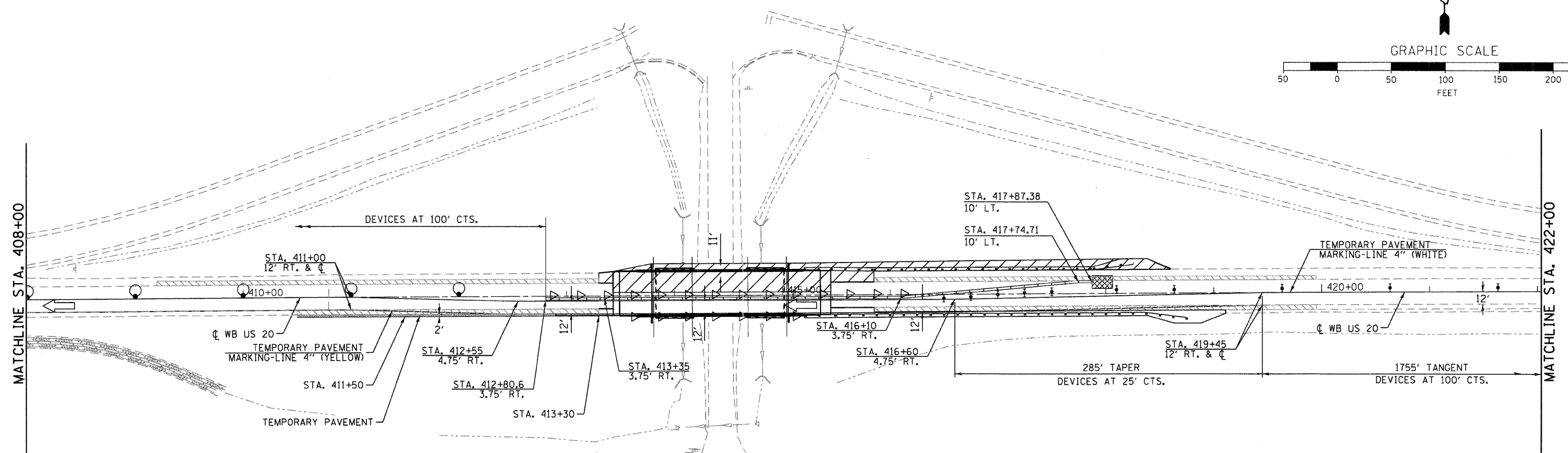
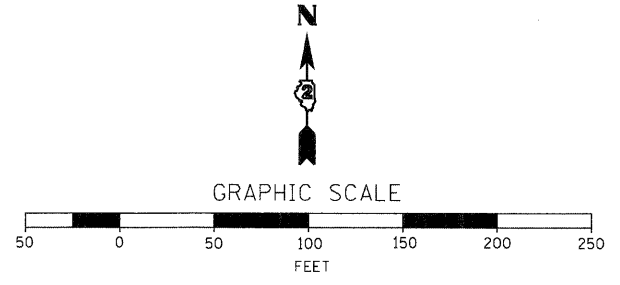
- ↑ ARROW BOARD
- ▨ WORK AREA
- ⊥ SIGN
- ↑ DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- ⊥ TYPE II BARRICADE, DRUM, OR VERTICAL BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- ▨ MILL AND RESURFACE

LEGEND

- ▬ TEMPORARY CONCRETE BARRIER
- ◁ MONODIRECTIONAL BARRIER WALL/GUARDRAIL MARKER
- ▨ IMPACT ATTENUATOR
- ← DIRECTION OF TRAFFIC
- ▨ TEMPORARY PAVEMENT
- DRUMS WITH STEADY BURNING MONODIRECTIONAL LIGHT
- ⊥ TYPE III BARRICADE



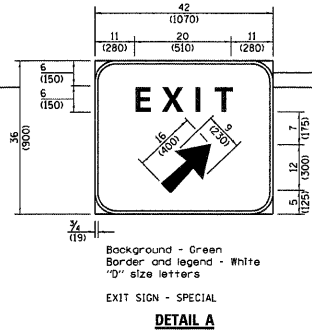
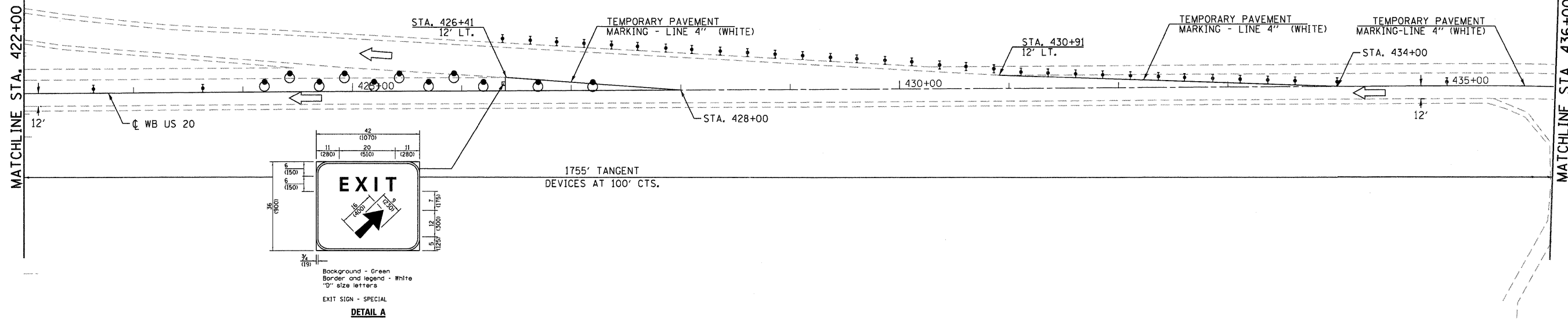
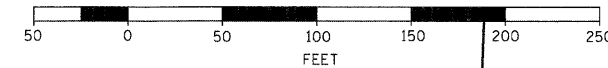
NOTES:
1. TEMPORARY CONCRETE BARRIER OFFSETS ARE MEASURED TO THE TRAFFIC SIDE OF THE WALL.



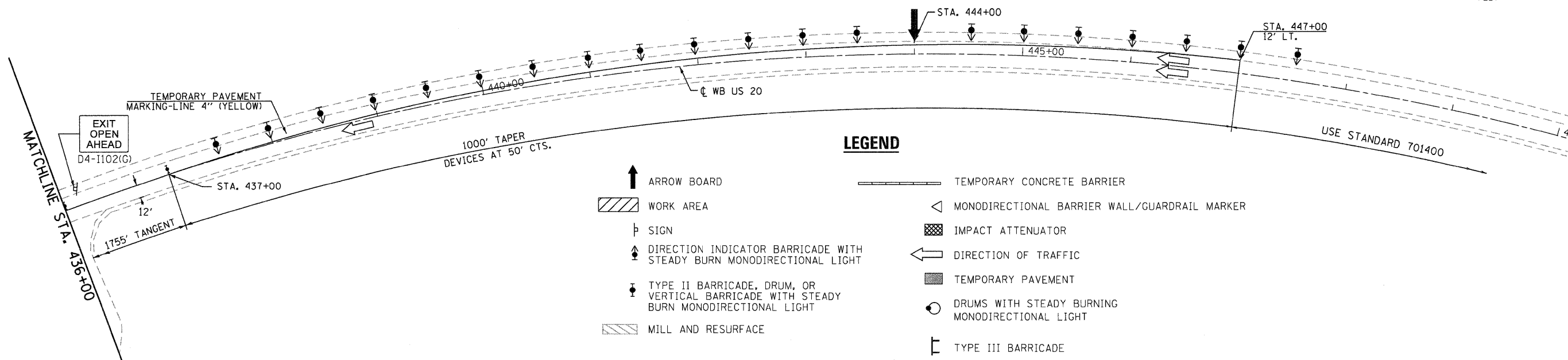
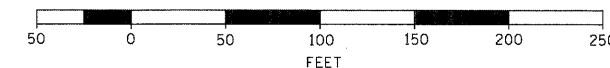
USER NAME = gjameson	DESIGNED -	REVISED -		1701 ROUTE 35 NORTH EAST DUBUQUE, IL 61025 (815) 747-8833 DESIGN FIRM #184001036	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION			US 20 TRAFFIC CONTROL PLANS (STAGE 2) SN 043-0006 (WB)			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FILE NAME = 283207-shr-staging	DRAWN -	REVISED -						301	(43B,44B,44HB,45B)D	JO DAVIESS	309	71			
PLOT DATE = 12/6/2011	CHECKED -	REVISED -			SCALE: 1" = 50'			SHEET NO. 1 OF 2 SHEETS		STA. 395+00 TO STA. 422+00		CONTRACT NO. 64C94			
PLOT TIME = 10:19:01 AM					ILLINOIS FED. AID PROJECT										



GRAPHIC SCALE



GRAPHIC SCALE



LEGEND

- ARROW BOARD
- WORK AREA
- SIGN
- DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- TYPE II BARRICADE, DRUM, OR VERTICAL BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- MILL AND RESURFACE
- TEMPORARY CONCRETE BARRIER
- MONODIRECTIONAL BARRIER WALL/GUARDRAIL MARKER
- IMPACT ATTENUATOR
- DIRECTION OF TRAFFIC
- TEMPORARY PAVEMENT
- DRUMS WITH STEADY BURNING MONODIRECTIONAL LIGHT
- TYPE III BARRICADE

USER NAME = gjameson	DESIGNED -	REVISED -
FILE NAME = 203207-shr-staging	DRAWN -	REVISED -
PLOT DATE = 12/6/2011	CHECKED -	REVISED -
PLOT TIME = 10:19:02 AM		

WHKS & CO.
ENGINEERING

1701 ROUTE 35 NORTH
EAST DUBUQUE, IL 61025
(815) 747-8833
DESIGN FIRM #184001036

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 20 TRAFFIC CONTROL PLANS (STAGE 2)
SN 043-0006 (WB)

SCALE: 1" = 50' SHEET NO. 2 OF 2 SHEETS STA. 422+00.00 TO STA. 447+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	(43B,44B,44HB,45B)D	JO DAVIESS	309	72
CONTRACT NO. 64C94			ILLINOIS FED. AID PROJECT	

SEQUENCE OF CONSTRUCTION FOR SN 043-0007

PRESTAGE

SET UP TRAFFIC CONTROL AND PROTECTION ACCORDING TO HIGHWAY STANDARD 701401. SEE HIGHWAY STANDARD FOR SIGNS AND DEVICES.

MILL 2" OFF THE INSIDE 4' OF THE EXISTING NORTH AND SOUTH HMA SHOULDERS TO REMOVE THE EXISTING RUMBLE STRIP AS SHOWN ON THE PLANS.

CONSTRUCT 2" HMA SURFACE COURSE ON THE INSIDE 4' OF THE EXISTING NORTH AND SOUTH HMA SHOULDERS.

STAGE 1

SET UP TRAFFIC CONTROL AND PROTECTION ACCORDING TO HIGHWAY STANDARD 701402. SEE HIGHWAY STANDARD FOR ADDITIONAL SIGNS AND DEVICES. SHIFT EASTBOUND TRAFFIC ONTO THE NORTH LANE.

REMOVE THE SOUTH HALF OF THE EXISTING BRIDGE, APPROACH SLABS, PAVEMENT AND SHOULDERS AS SHOWN ON THE PLANS.

CONSTRUCT THE SOUTH HALF OF THE BRIDGE, APPROACH SLABS, BRIDGE APPROACH PAVEMENT CONNECTORS AND DRAINAGE STRUCTURES AS SHOWN ON THE PLANS.

CONSTRUCT THE PROPOSED HMA SHOULDERS, SHOULDER WIDENING, STEEL PLATE BEAM GUARDRAIL, TRAFFIC BARRIER TERMINALS AND SEEDING ALONG THE SOUTH LANE.

STAGE 2

SET UP TRAFFIC CONTROL AND PROTECTION ACCORDING TO HIGHWAY STANDARD 701402. SEE HIGHWAY STANDARD FOR ADDITIONAL SIGNS AND DEVICES. SHIFT EASTBOUND TRAFFIC ONTO THE SOUTH LANE.

REMOVE THE REMAINING PORTION OF THE EXISTING BRIDGE, APPROACH SLABS, PAVEMENT AND SHOULDERS AS SHOWN ON THE PLANS.

CONSTRUCT THE REMAINING PORTION OF THE BRIDGE, APPROACH SLABS, BRIDGE APPROACH PAVEMENT CONNECTORS AND DRAINAGE STRUCTURES AS SHOWN ON THE PLANS.

CONSTRUCT THE PROPOSED HMA SHOULDERS, SHOULDER WIDENING, STEEL PLATE BEAM GUARDRAIL, TRAFFIC BARRIER TERMINALS AND SEEDING ALONG THE NORTH LANE.

STAGE 3

SET UP TRAFFIC CONTROL AND PROTECTION ACCORDING TO HIGHWAY STANDARD 701406. SEE HIGHWAY STANDARD FOR ADDITIONAL SIGNS AND DEVICES.

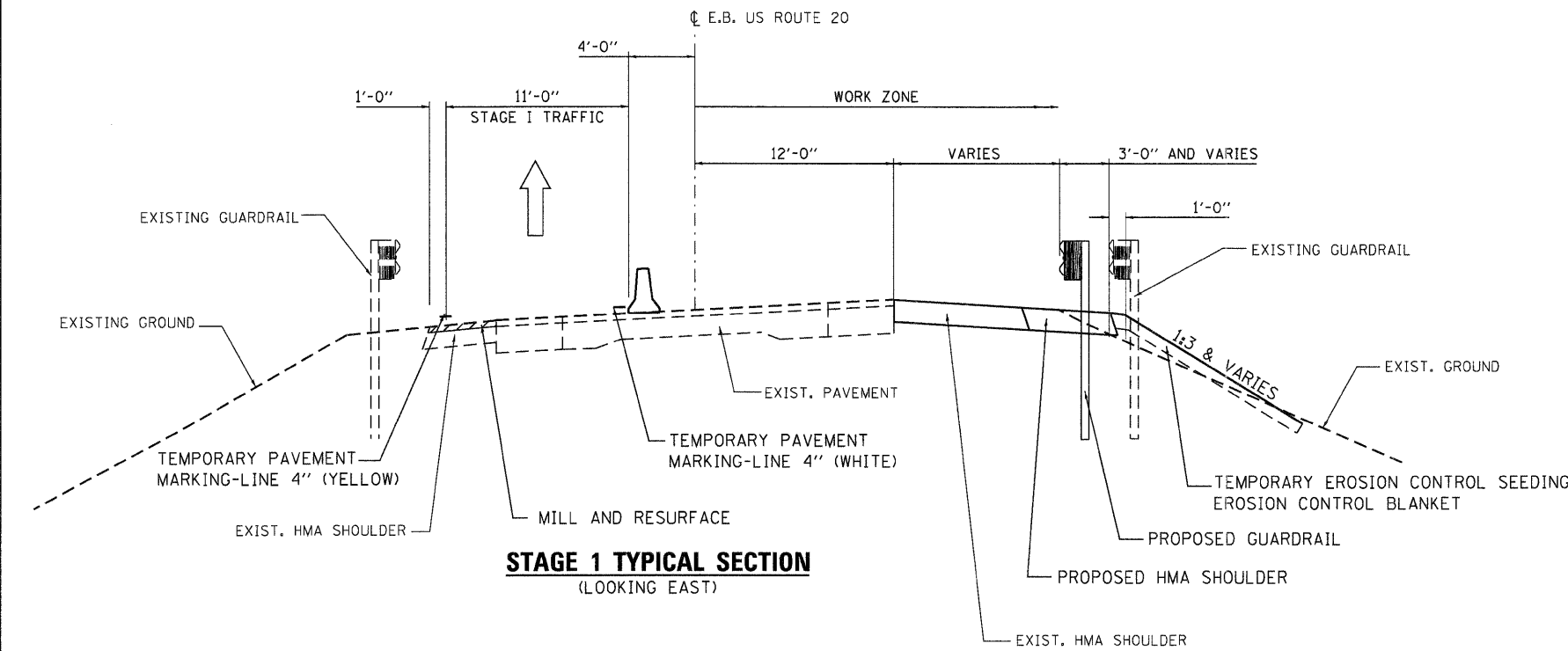
REMOVE THE GUARDRAIL AND TRAFFIC BARRIER TERMINAL RAILS IN ACCORDANCE WITH DISTRICT 2 STANDARD 23-4.

MILL AND RESURFACE THE PAVEMENT AND SHOULDERS AS SHOWN ON THE PLANS.

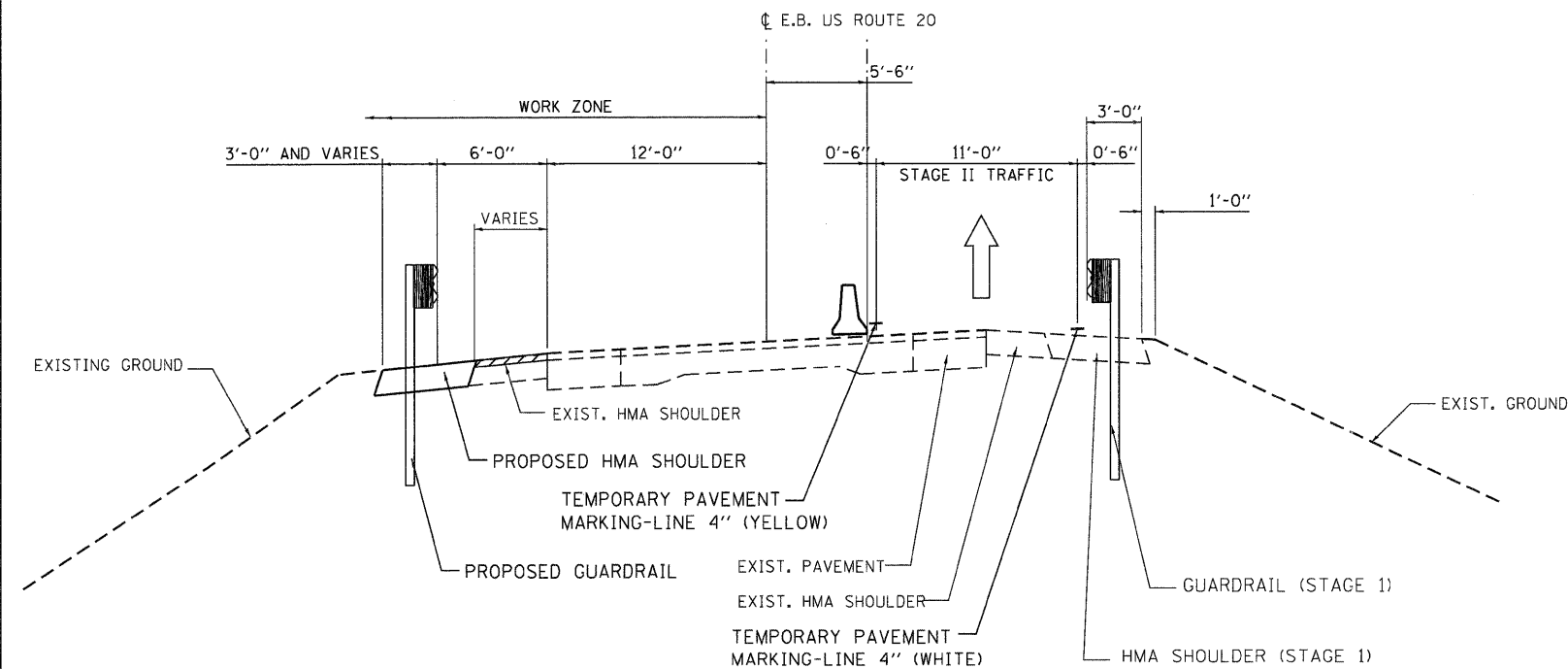
REPLACE THE STEEL PLATE BEAM GUARDRAIL AND TRAFFIC BARRIER TERMINAL RAILS.

STAGE 4

SET UP TRAFFIC CONTROL AND PROTECTION ACCORDING TO HIGHWAY STANDARD 701426. SEE HIGHWAY STANDARD FOR SIGNS AND DEVICES. PLACE THE PAVEMENT STRIPING AND CLEANUP.



STAGE 1 TYPICAL SECTION
(LOOKING EAST)



STAGE 2 TYPICAL SECTION
(LOOKING EAST)

USER NAME = gjameson	DESIGNED -	REVISED -
FILE NAME = Z03207-sh1-STAGE-1	CHECKED -	REVISED -
PLOT DATE = 12/6/2011	DRAWN -	REVISED -
PLOT TIME = 10:18:20 AM	CHECKED -	REVISED -

WHKS & CO.
ENGINEERING
1701 ROUTE 95 NORTH
EAST DUBUQUE, IL 61025
(815) 747-8833
DESIGN FIRM #184001036

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**US 20 TRAFFIC CONTROL TYPICAL SECTIONS
SN 043-0007**

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

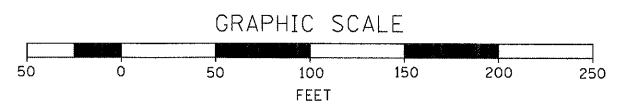
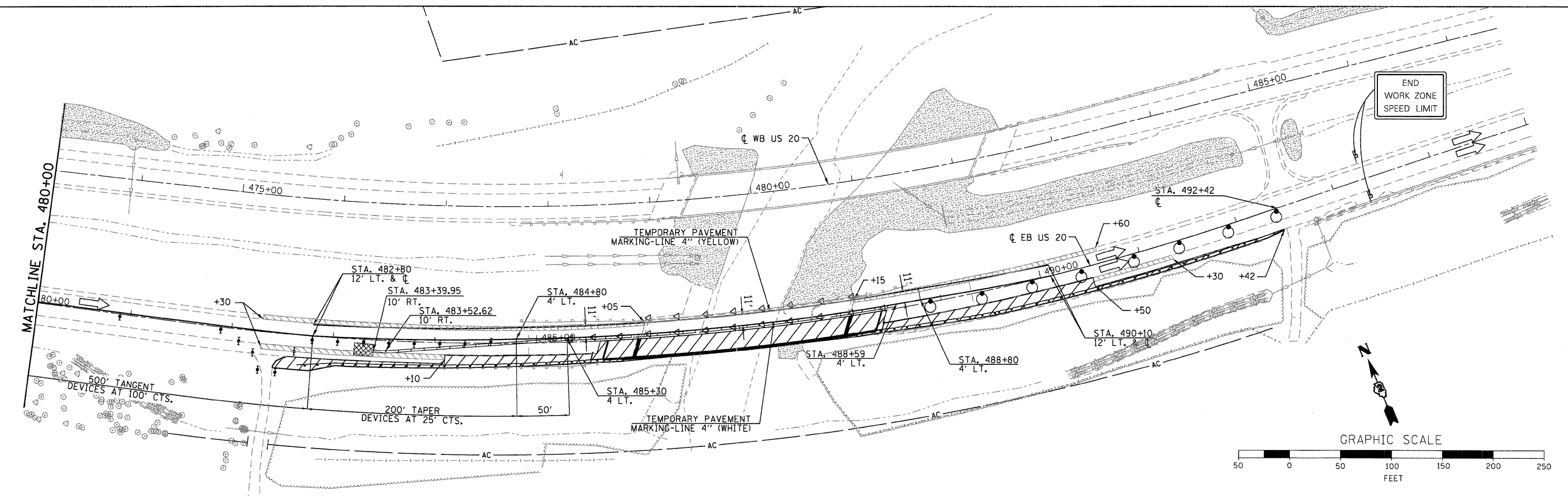
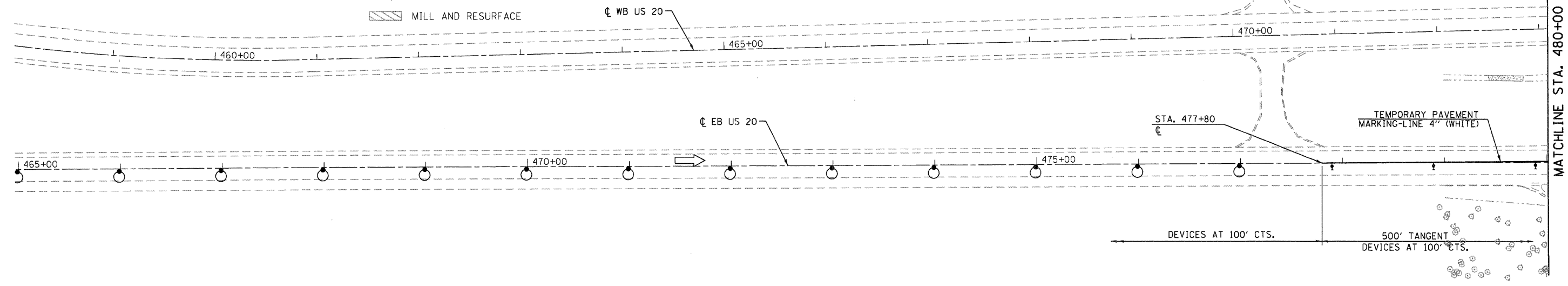
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	(43B,44B,44HB,45B)D	JO DAVIESS	309	73
CONTRACT NO. 64C94				
ILLINOIS FED. AID PROJECT				

- ↑ ARROW BOARD
- ▨ WORK AREA
- ⊥ SIGN
- ↑ DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- ⊥ TYPE II BARRICADE, DRUM, OR VERTICAL BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT

LEGEND

- ▬ TEMPORARY CONCRETE BARRIER
- ◁ MONODIRECTIONAL BARRIER WALL/GUARDRAIL MARKER
- ▨ IMPACT ATTENUATOR
- ← DIRECTION OF TRAFFIC
- ▬ TEMPORARY PAVEMENT
- DRUMS WITH STEADY BURNING MONODIRECTIONAL LIGHT
- ⊥ TYPE III BARRICADE
- ▨ MILL AND RESURFACE

NOTES:
 1. TEMPORARY CONCRETE BARRIER WALL OFFSETS ARE MEASURED TO THE TRAFFIC SIDE OF THE WALL



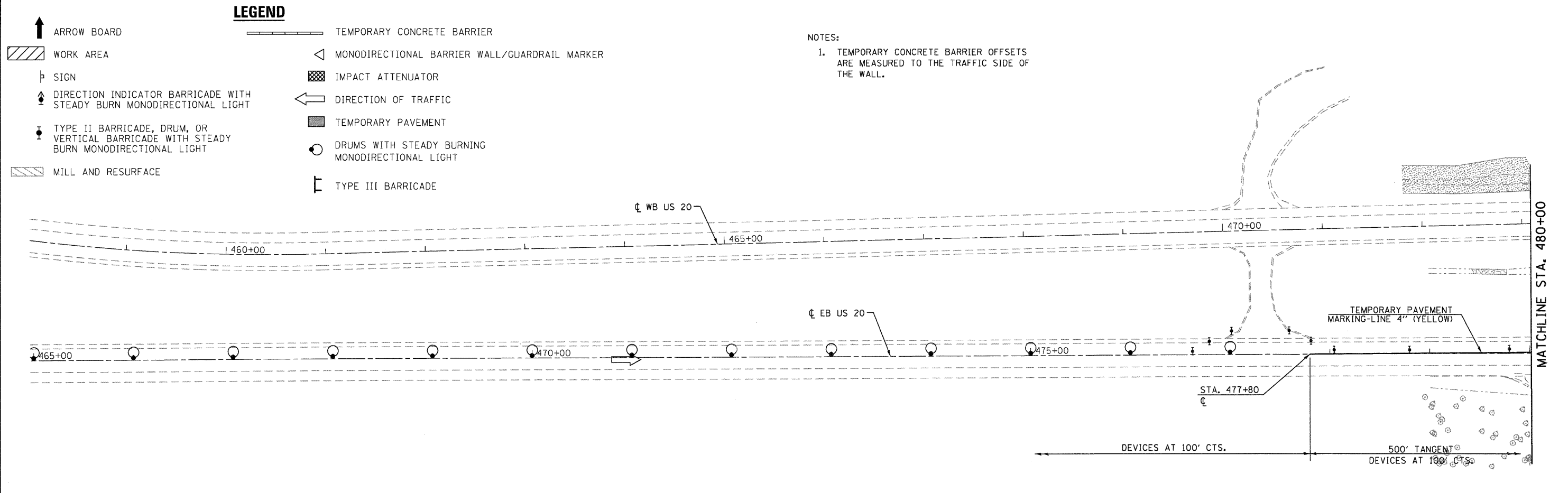
USER NAME = gjameson	DESIGNED -	REVISED -
FILE NAME = 203207-shr-staging	CHECKED -	REVISED -
PLOT DATE = 12/6/2011	DRAWN -	REVISED -
PLOT TIME = 10:19:07 AM	CHECKED -	REVISED -

WHKS & CO.
 ENGINEERING
 1701 ROUTE 35 NORTH
 EAST DUBUQUE, IL 61025
 (815) 747-8833
 DESIGN FIRM #184001036

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 20 TRAFFIC CONTROL PLANS (STAGE 1)
SN 043-0007 (EB)
 SCALE: 1"=50' SHEET NO. 1 OF 1 SHEETS STA. 465+00 TO STA. 495+00

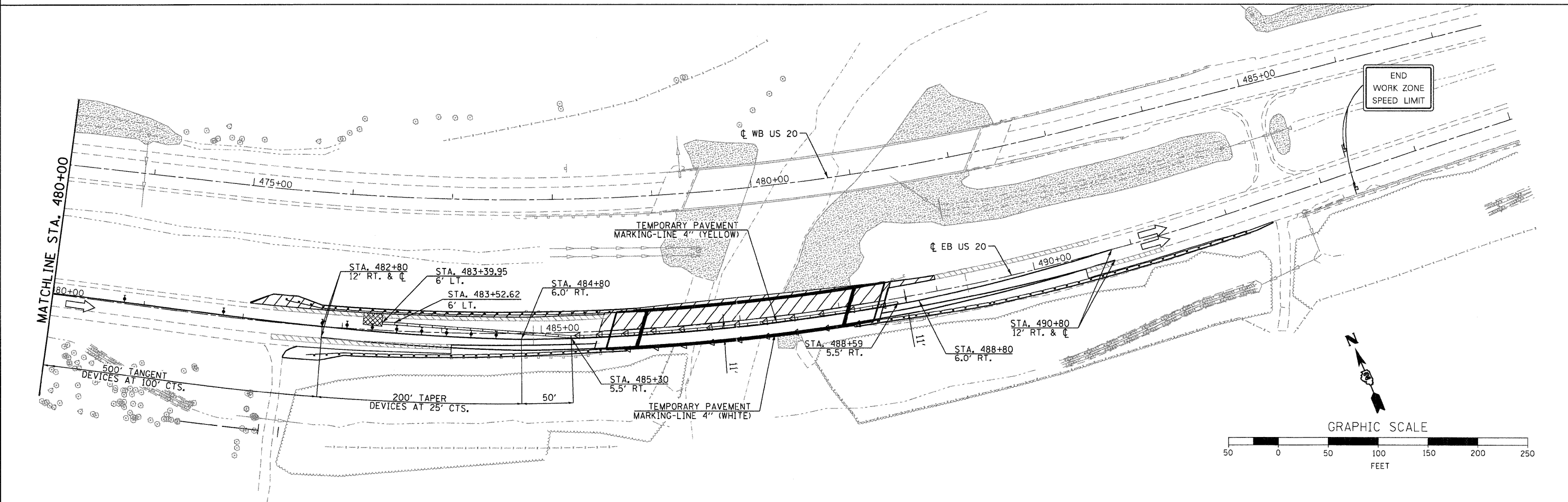
F.A.P. RTE. 301	SECTION (43B,44B,44HB,45B)D	COUNTY JO DAVIESS	TOTAL SHEETS 309	SHEET NO. 74
CONTRACT NO. 64C94				ILLINOIS FED. AID PROJECT



LEGEND

- ↑ ARROW BOARD
- ▨ WORK AREA
- ⊥ SIGN
- ⬆ DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- ⊥ TYPE II BARRICADE, DRUM, OR VERTICAL BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- ▨ MILL AND RESURFACE
- TEMPORARY CONCRETE BARRIER
- ◁ MONODIRECTIONAL BARRIER WALL/GUARDRAIL MARKER
- ▨ IMPACT ATTENUATOR
- ← DIRECTION OF TRAFFIC
- TEMPORARY PAVEMENT
- DRUMS WITH STEADY BURNING MONODIRECTIONAL LIGHT
- ⊥ TYPE III BARRICADE

NOTES:
 1. TEMPORARY CONCRETE BARRIER OFFSETS ARE MEASURED TO THE TRAFFIC SIDE OF THE WALL.



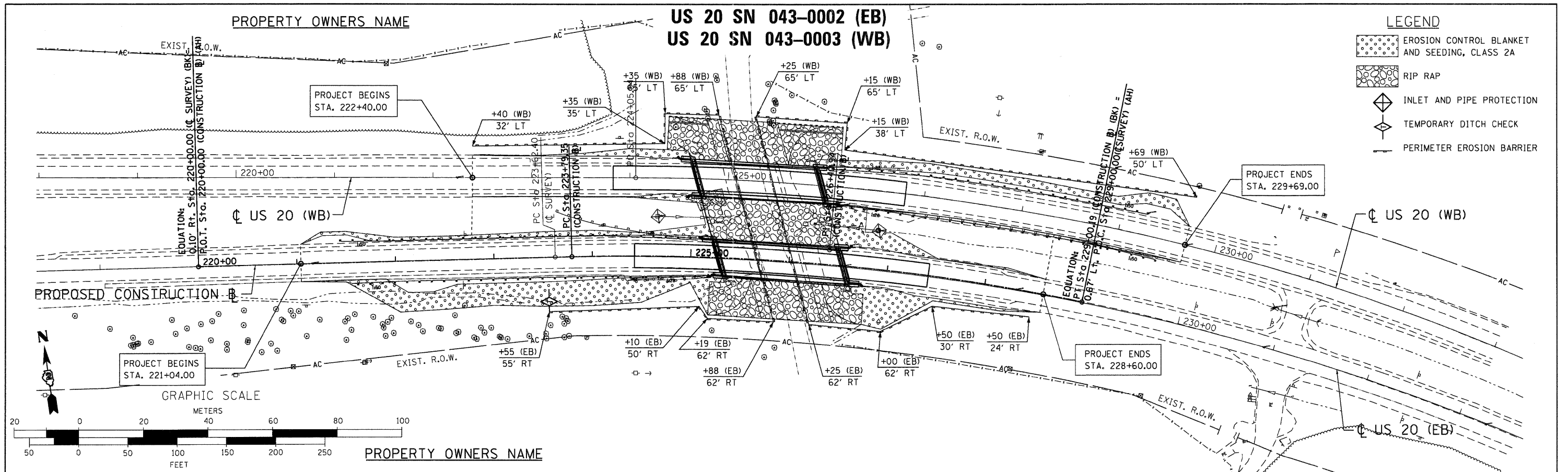
USER NAME = gjameson	DESIGNED -	REVISED -
FILE NAME = Z03207-shft-staging	SM30303030	REVISED -
PLOT DATE = 12/6/2011	DRAWN -	REVISED -
PLOT TIME = 10:19:25 AM	CHECKED -	REVISED -

WHKS & CO.
 ENGINEERING
 1701 ROUTE 35 NORTH
 EAST DUBUQUE, IL 61025
 (815) 747-8833
 DESIGN FIRM #184001036

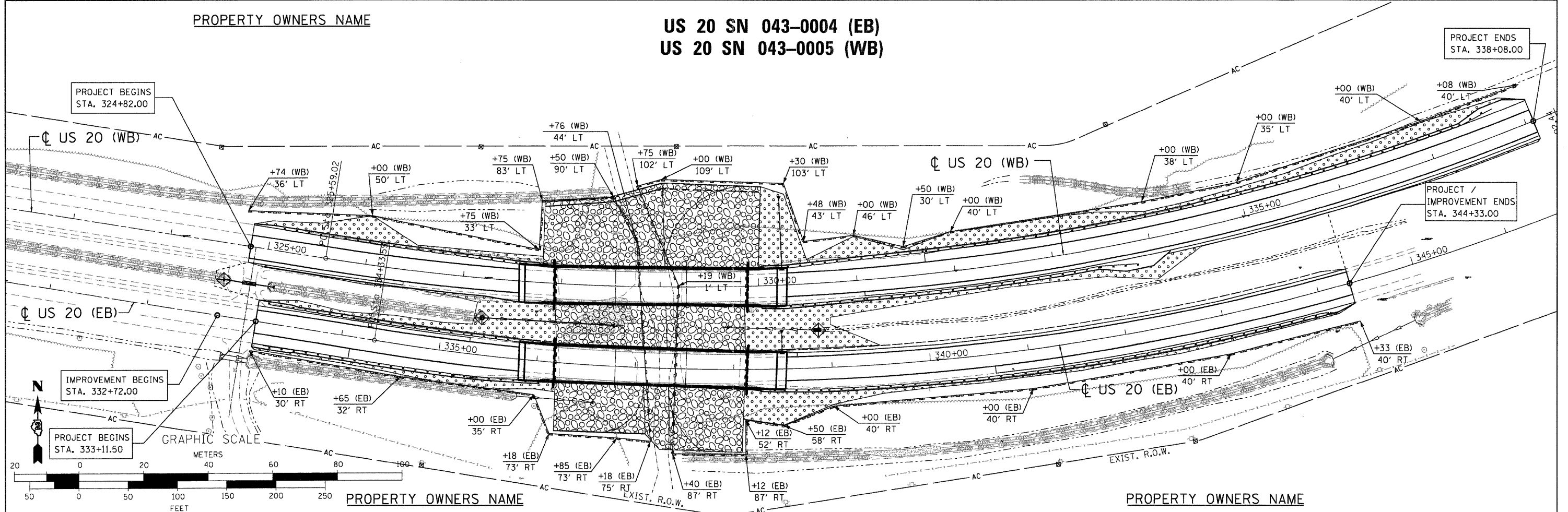
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**US 20 TRAFFIC CONTROL PLANS (STAGE 2)
 SN 043-0007 (EB)**
 SCALE: 1"=50' SHEET NO. 1 OF 1 SHEETS STA. 465+00 TO STA. 495+00

F.A.P. RTE. 301	SECTION (43B,44B,44HB,45B)D	COUNTY JO DAVIESS	TOTAL SHEETS 309	SHEET NO. 75
CONTRACT NO. 64C94			ILLINOIS FED. AID PROJECT	



- LEGEND**
- EROSION CONTROL BLANKET AND SEEDING, CLASS 2A
 - RIP RAP
 - INLET AND PIPE PROTECTION
 - TEMPORARY DITCH CHECK
 - PERIMETER EROSION BARRIER



USER NAME = gjameson
 FILE NAME = Z03207EROS-SHT.dwg
 PLOT DATE = 12/6/2011
 PLOT TIME = 10:41:18 AM

DESIGNED -	REVISED -
CHECKED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -

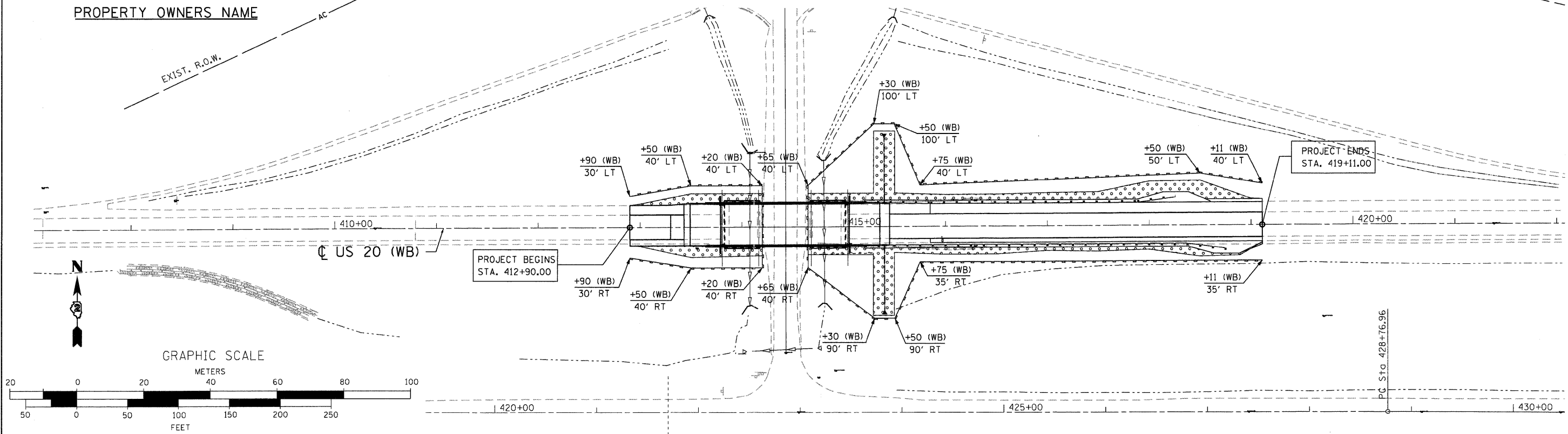
WHKS & CO.
 ENGINEERING
 1701 ROUTE 35 NORTH
 EAST DUBUQUE, IL 61025
 (815) 747-8833
 DESIGN FIRM #184001036

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

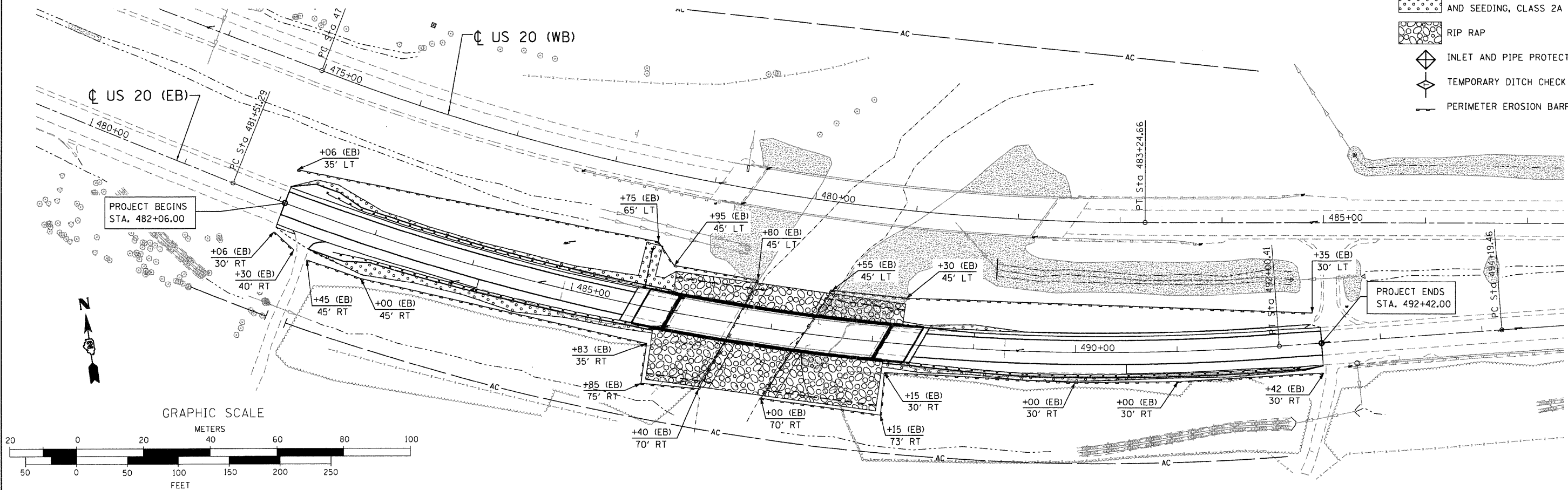
US 20
 EROSION CONTROL PLAN
 SCALE: 1" = 50'
 SHEET NO. 1 OF 2 SHEETS
 STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	(43B,44B,44HB,45B)D	JO DAVIESS	309	76
CONTRACT NO. 64C94				
ILLINOIS FED. AID PROJECT				






US 20 SN 043-0006 (WB)



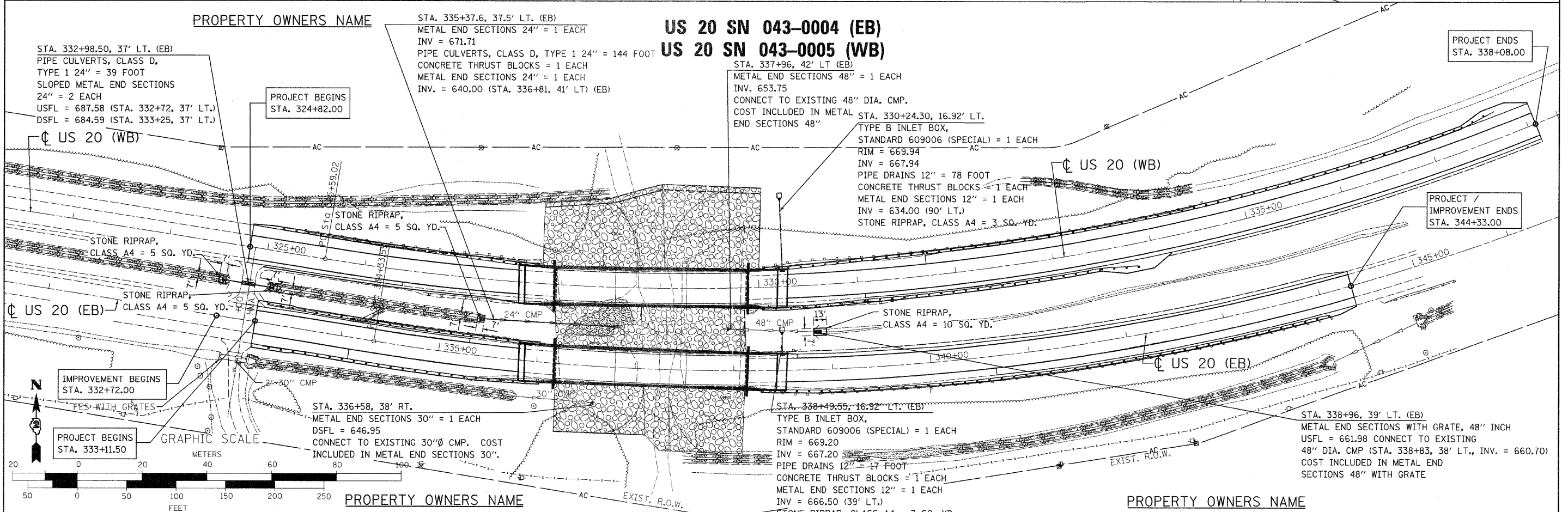
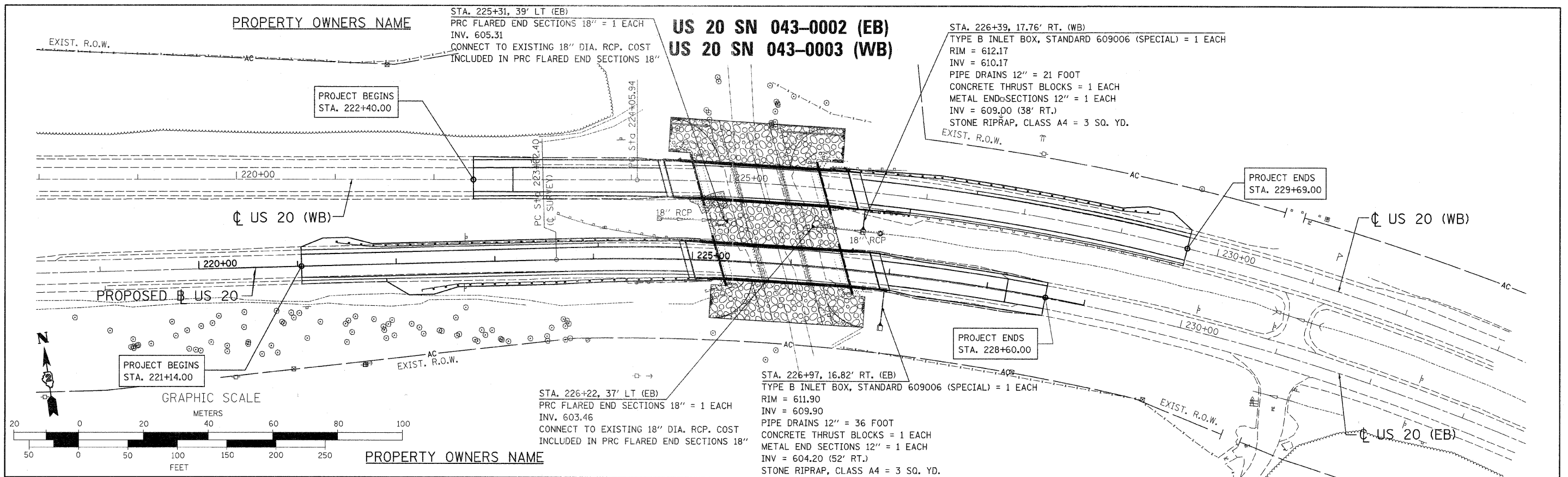
US 20 SN 043-0007 (EB)



LEGEND

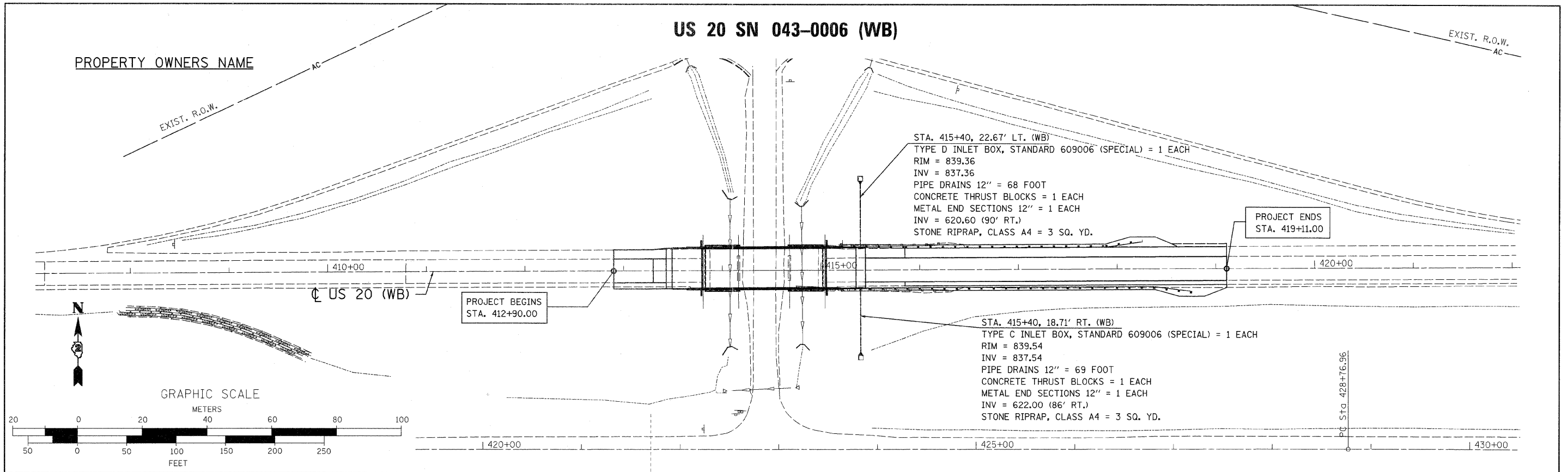
-  EROSION CONTROL BLANKET AND SEEDING, CLASS 2A
-  RIP RAP
-  INLET AND PIPE PROTECTION
-  TEMPORARY DITCH CHECK
-  PERIMETER EROSION BARRIER

USER NAME = gjameson FILE NAME = Z03207ER05-SHT.dwg PLOT DATE = 12/6/2011 PLOT TIME = 10:49:21 AM	DESIGNED - CHECKED - DRAWN - CHECKED -	REVISED - REVISED - REVISED - REVISED -	WHKS & CO. ENGINEERING 1701 ROUTE 35 NORTH EAST DUBUQUE, IL 61025 (815) 747-8833 DESIGN FIRM #184001036	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	US 20 EROSION CONTROL PLAN SCALE: 1" = 50' SHEET NO. 2 OF 2 SHEETS	F.A.P. RTE. 301 SECTION (43B,44B,44HB,45B)D COUNTY JO DAVIESS TOTAL SHEETS 309 SHEET NO. 77 CONTRACT NO. 64C94 ILLINOIS FED. AID PROJECT
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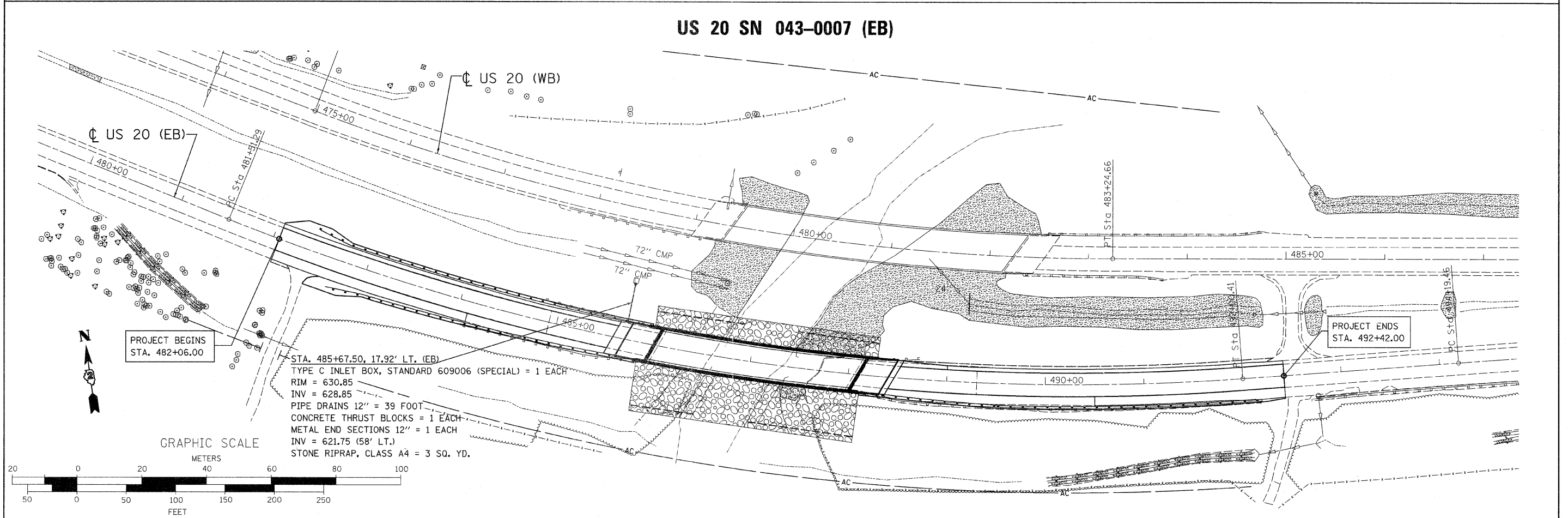


USER NAME = #OPERATOR#	DESIGNED -	REVISED -		1701 ROUTE 35 NORTH EAST DUBUQUE, IL 61025 (815) 747-8833 DESIGN FIRM #184001038	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	US 20 DRAINAGE PLAN	F.A.P. RTE. 301	SECTION (43B,44B,44HB,45B)D	COUNTY JO DAVIESS	TOTAL SHEETS 309	SHEET NO. 78
FILE NAME = #FILES#	CHECKED -	REVISED -					CONTRACT NO. 64C94	ILLINOIS FED. AID PROJECT			
PLDT DATE = Thu Dec 08 10:23:21	DRAWN -	REVISED -					SCALE: 1" = 50'	SHEET NO. 1 OF 2 SHEETS	STA. TO STA.		
PLDT TIME = #TIME#	CHECKED -	REVISED -									

US 20 SN 043-0006 (WB)



US 20 SN 043-0007 (EB)



USER NAME = *OPERATOR*	DESIGNED -	REVISED -
FILE NAME = *FILES*	CHECKED -	REVISED -
PLOT DATE = Thu Dec 08 10:23:22	DRAWN -	REVISED -
PLOT TIME = *TIME*	CHECKED -	REVISED -

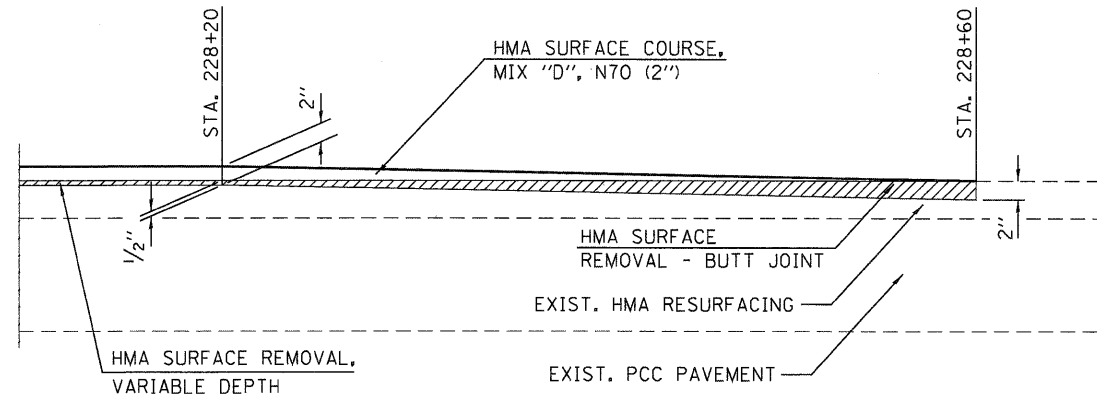


1701 ROUTE 35 NORTH
EAST DUBUQUE, IL 61025
(815) 747-8833
DESIGN FIRM #184001038

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

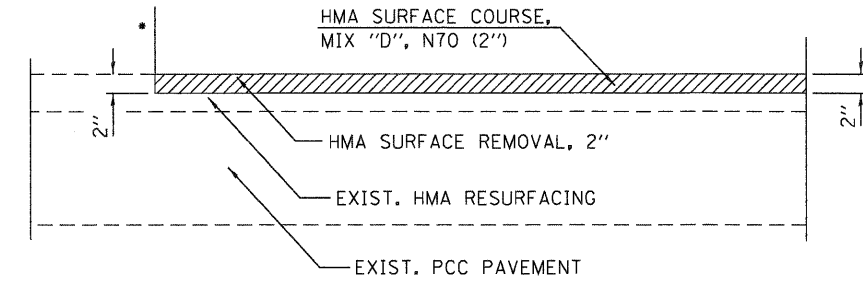
US 20 DRAINAGE PLAN	
SCALE: 1" = 50'	SHEET NO. 2 OF 2 SHEETS
STA.	TO STA.

F.A.P. RTE. 301	SECTION (43B,44B,44HB,45BID)	COUNTY JO DAVIESS	TOTAL SHEETS 309	SHEET NO. 79
CONTRACT NO. 64C94				
ILLINOIS FED. AID PROJECT				



BUTT JOINT DETAIL

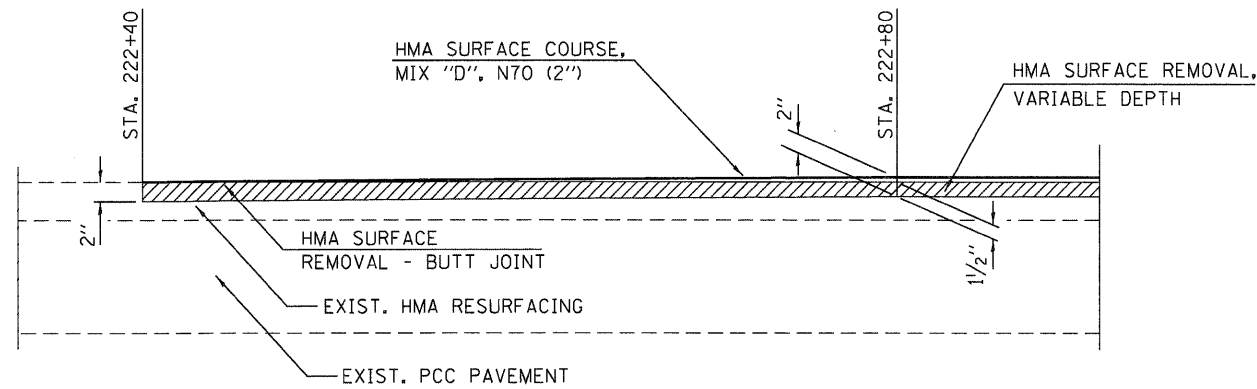
SN 043-0002
 STA. 228+20 TO STA. 228+60 (EB) (CONSTRUCTION B)



BUTT JOINT DETAIL

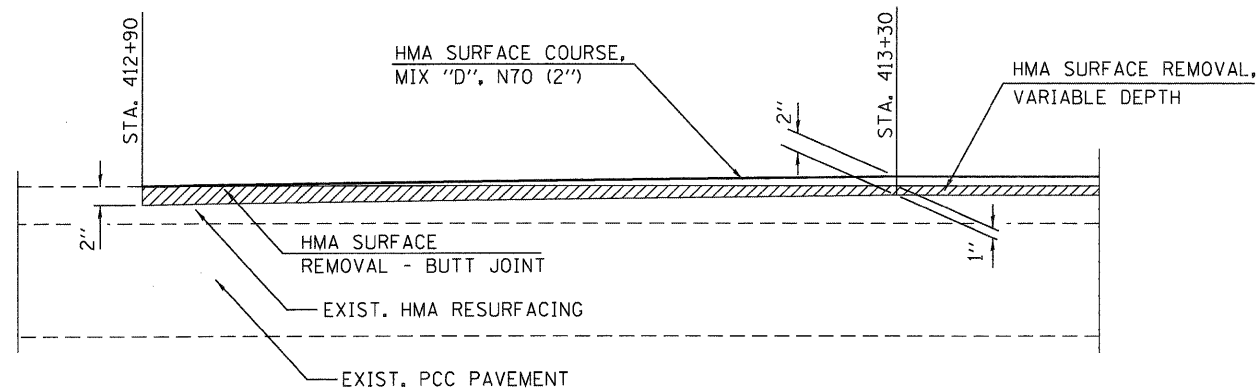
* BEGIN OR END OF IMPROVEMENT

- STA. 221+04 TO STA. 224+05 (EB) SN 043-0002
- STA. 227+10 TO STA. 229+69 (WB) SN 043-0003
- STA. 333+11.50 TO STA. 335+30 (EB) SN 043-0004
- STA. 339+50 TO STA. 334+33 (EB) SN 043-0004
- STA. 324+82 TO STA. 326+40 (WB) SN 043-0005
- STA. 331+05 TO STA. 338+08 (WB) SN 043-0005
- STA. 415+85 TO STA. 419+11 (WB) SN 043-0006
- STA. 482+06 TO STA. 484+10 (EB) SN 043-0007
- STA. 489+00 TO STA. 492+42 (EB) SN 043-0007



BUTT JOINT DETAIL

SN 043-0003
 STA. 222+40 TO STA. 222+80 (WB)



BUTT JOINT DETAIL

SN 043-0006
 STA. 412+90 TO STA. 413+30 (WB)

USER NAME = gjameson	DESIGNED -	REVISED -
FILE NAME = Z03207Details-SHT.dwg	CHECKED -	REVISED -
PLOT DATE = 12/6/2011	DRAWN -	REVISED -
PLOT TIME = 10:19:33 AM	CHECKED -	REVISED -

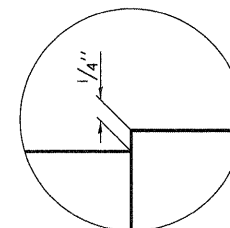
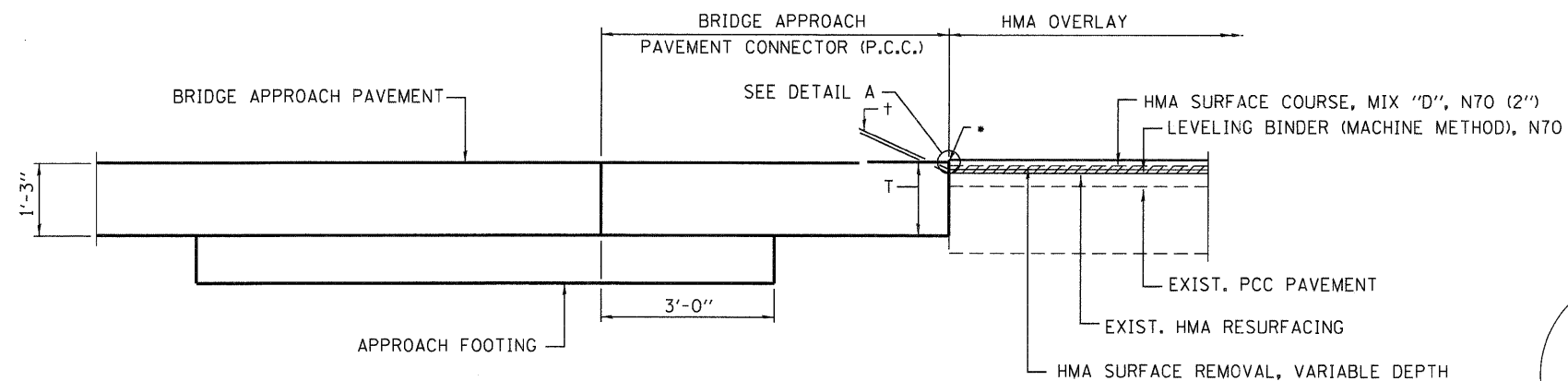
WHKS & CO.
 ENGINEERING
 1701 ROUTE 35 NORTH
 EAST DUBUQUE, IL 61025
 (815) 747-8833
 DESIGN FIRM #184001036

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 20 BUTT JOINT DETAILS

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

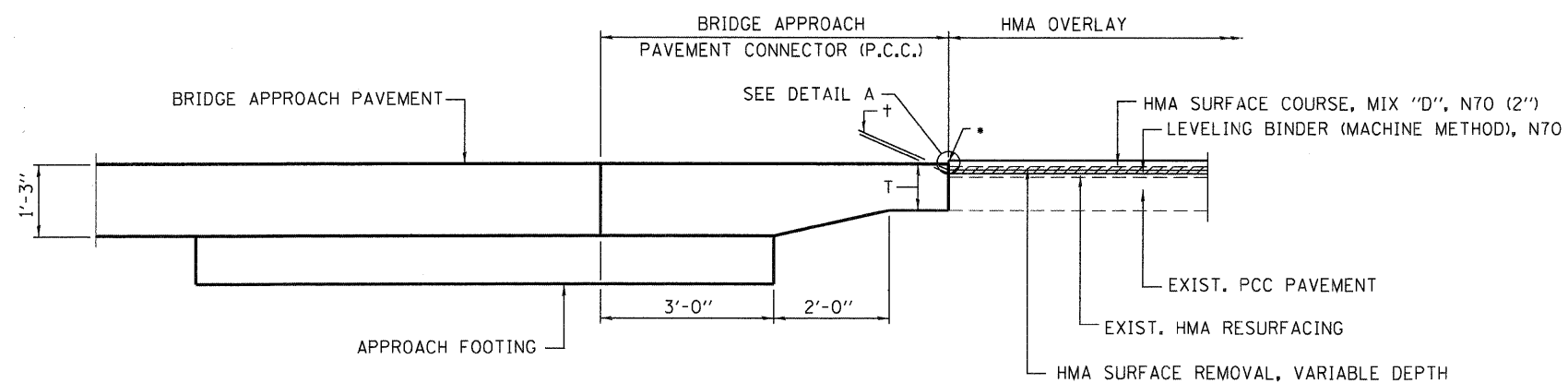
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	(43B,44B,44HB,45B)D	JO DAVIESS	309	80
CONTRACT NO. 64C94			ILLINOIS FED. AID PROJECT	



BRIDGE APPROACH PAVEMENT CONNECTOR (P.C.C.) AND BUTT JOINT DETAIL

- STA. 224+91.98 (EB) SN 043-0002
- STA. 226+95.84 (EB) SN 043-0002

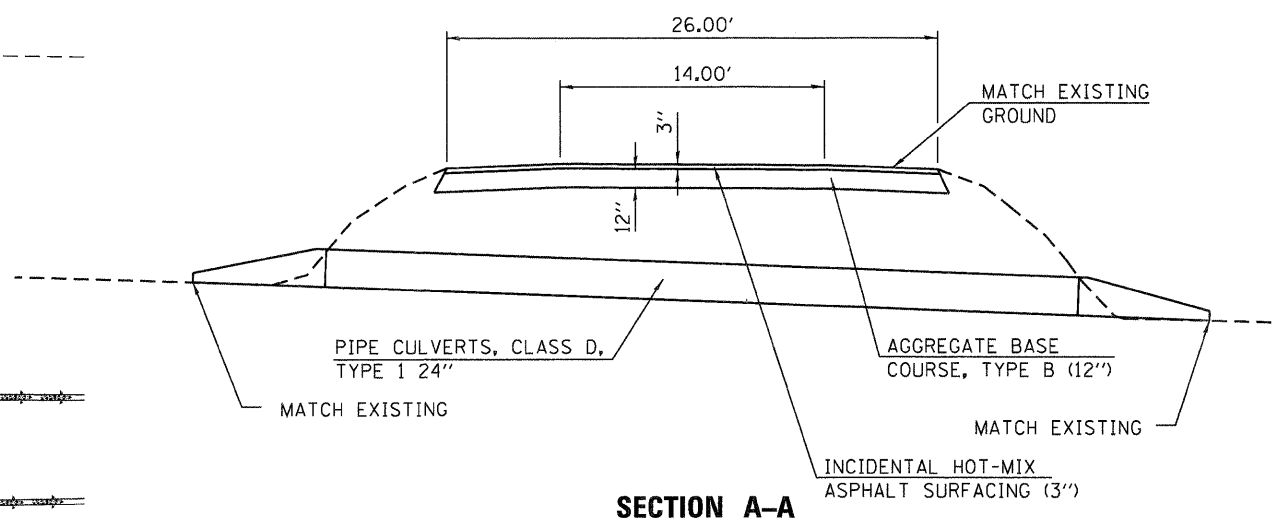
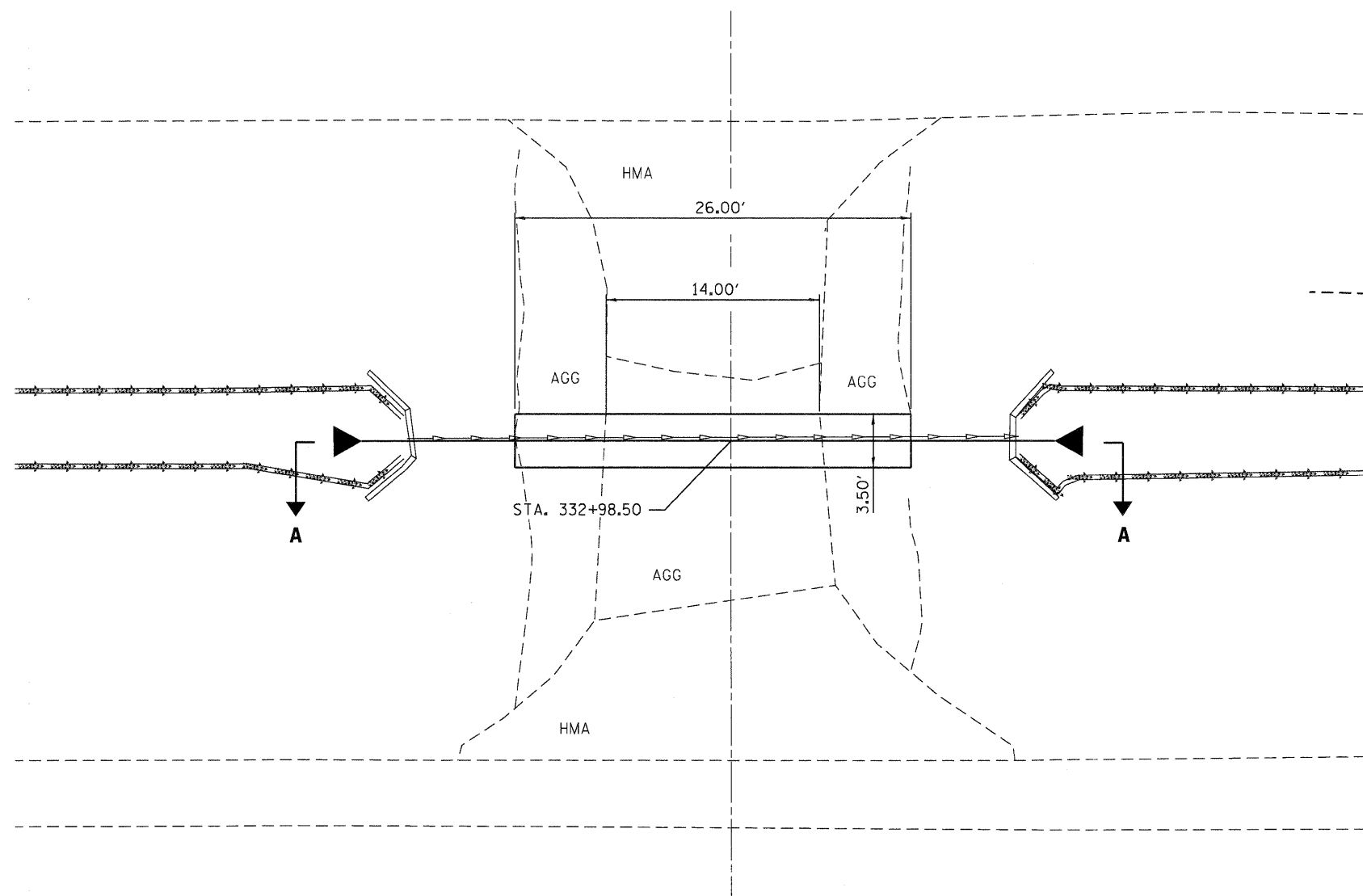
DETAIL A



BRIDGE APPROACH PAVEMENT CONNECTOR (P.C.C.) AND BUTT JOINT DETAIL

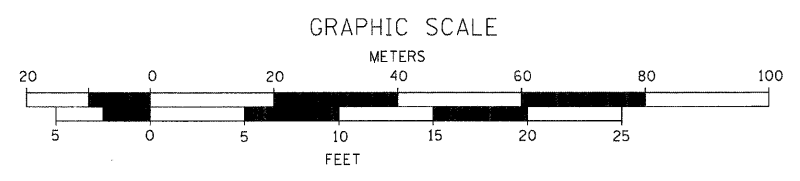
- STA. 224+32.12 (WB) SN 043-0003
- STA. 226+37.18 (WB) SN 043-0003
- STA. 335+81.53 (EB) SN 043-0004
- STA. 338+53.66 (EB) SN 043-0004
- STA. 327+56.67 (WB) SN 043-0005
- STA. 330+28.80 (WB) SN 043-0005
- STA. 413+43.14 (WB) SN 043-0006
- STA. 415+45.00 (WB) SN 043-0006
- STA. 485+58.40 (EB) SN 043-0007
- STA. 488+46.74 (EB) SN 043-0007

LOCATION	EXISTING HMA RESURFACING	EXISTING PCC PAVEMENT	LEVELING BINDER (MACHINE METHOD), N70 (t)	BRIDGE APPROACH PAVEMENT (PCC)	T
	(INCH)	(INCH)	(INCH)	(FOOT)	(INCH)
SN 043-0002					
STA. 224+91.98	6	9	0.75	6.00	15.00
STA. 226+95.84	6	9	0.75	10.00	15.00
SN 043-0003					
STA. 224+32.12	2.75	7	2.25	6.00	13.50
STA. 226+37.18	2.75	7	0.75	12.00	10.50
SN 043-0004					
STA. 335+81.53	2.75	9	0.75	6.00	13.00
STA. 338+53.66	2.75	9	0.75	10.00	14.00
SN 043-0005					
STA. 327+56.67	2.25	7	1.25	6.00	12.00
STA. 330+28.80	2.25	7	0.75	10.00	10.75
SN 043-0006					
STA. 413+43.14	2.25	7		6.00	9.75
STA. 415+45.00	2.25	7		9.52	10.25
SN 043-0007					
STA. 485+58.40	2.75	9	0.75	12.00	12.50
STA. 488+46.74	2.75	9	0.75	6.00	13.50

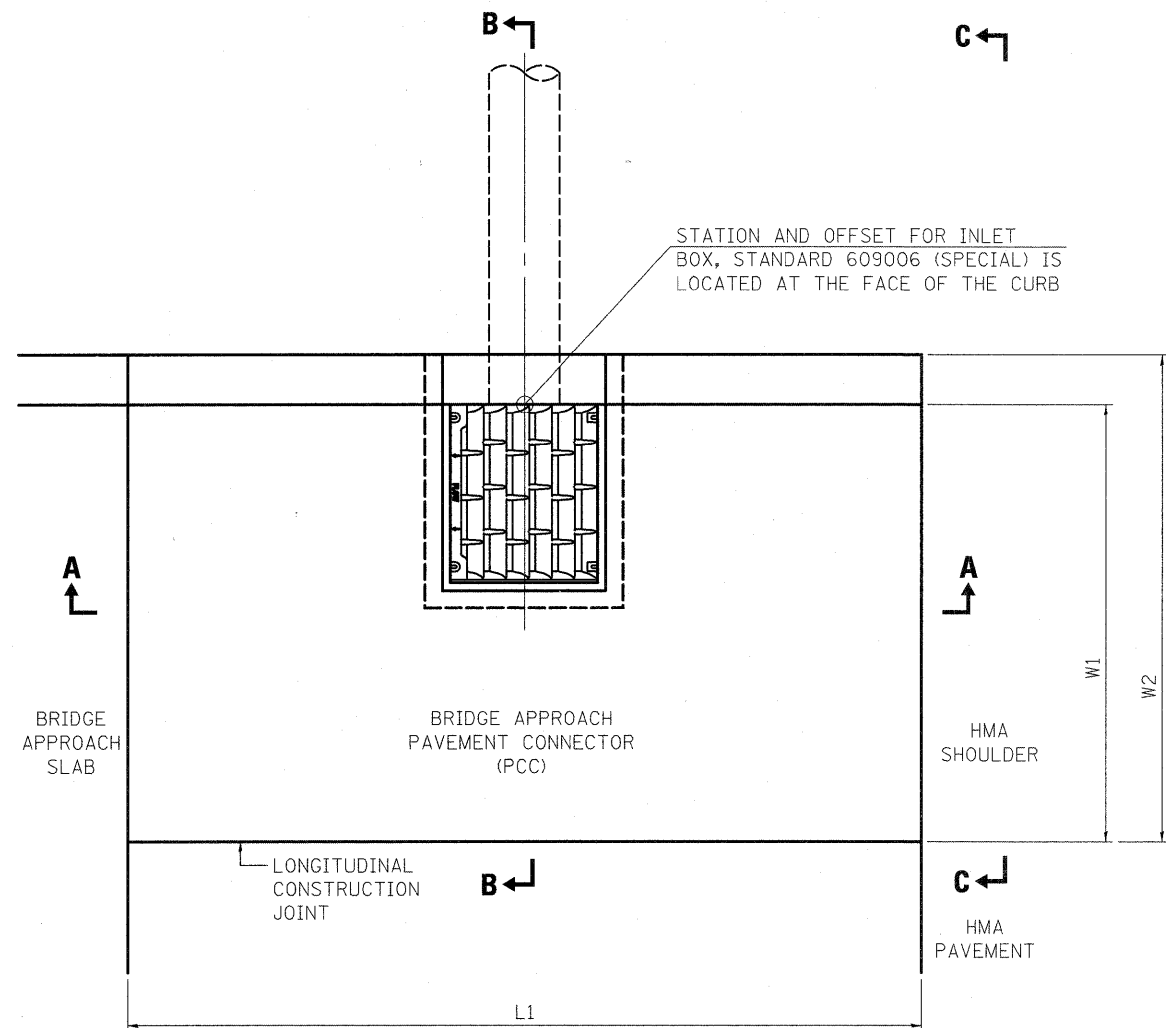


NOTES:
 1. UPSTREAM AND DOWNSTREAM FLOWLINE ELEVATIONS WILL MATCH EXISTING FLOWLINE ELEVATIONS.

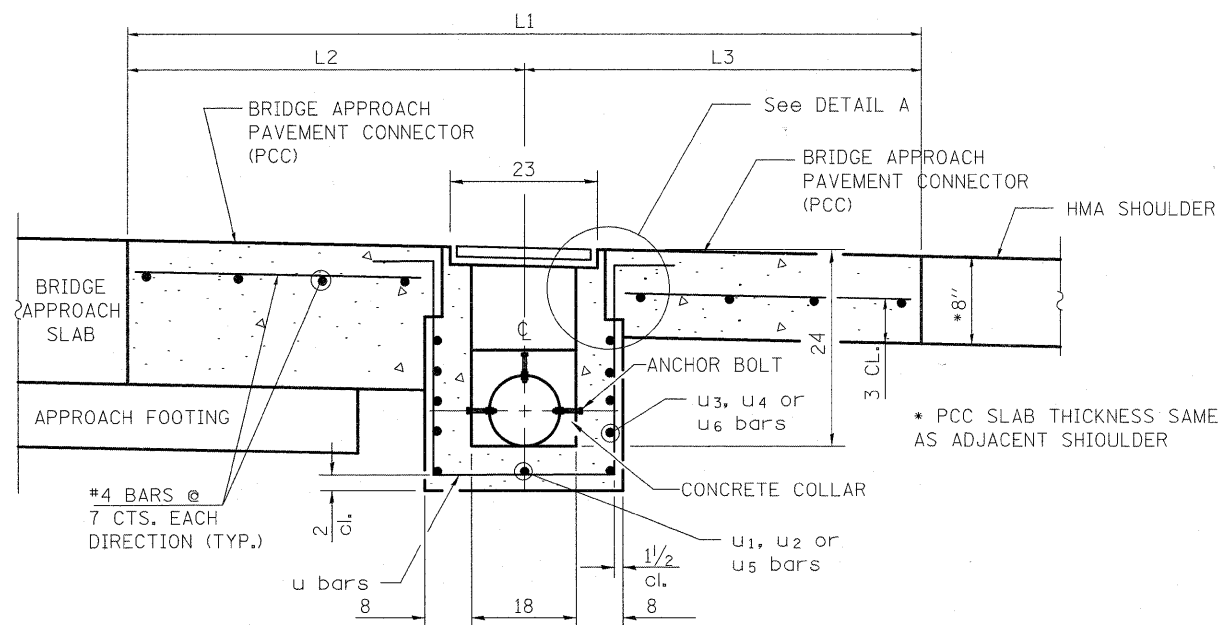
MEDIAN CROSSOVER DETAIL
 STA. 332+98.50, 37' LT. (EB)



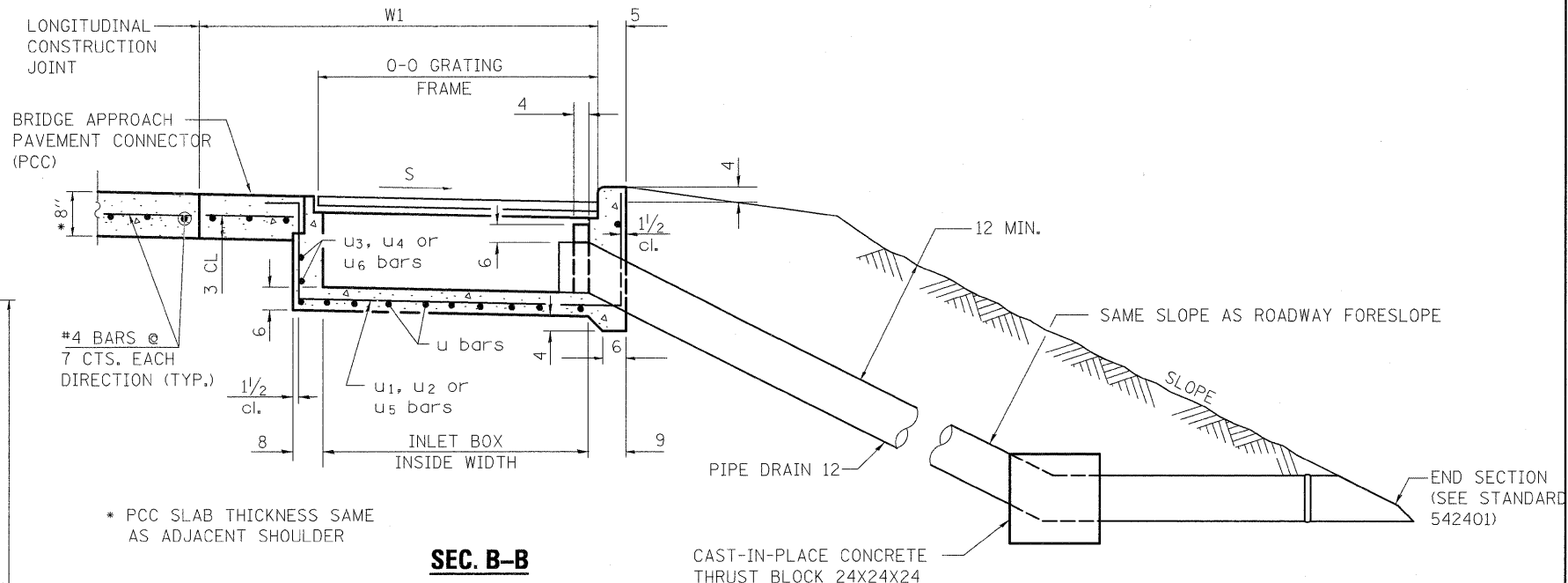
USER NAME = gjameson	DESIGNED -	REVISED -		1701 ROUTE 35 NORTH EAST DUBUQUE, IL 61025 (815) 747-8833 DESIGN FIRM #184001036	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	US 20 MEDIAN CROSSOVER DETAILS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FILE NAME = Z03207Details-SHT.dwg	CHECKED -	REVISED -				301	(43B,44B,44HB,45B)D	JO DAVIESS	309	82			
PLOT DATE = 12/6/2011	DRAWN -	REVISED -				CONTRACT NO. 64C94							
PLOT TIME = 10:19:35 AM	CHECKED -	REVISED -				ILLINOIS FED. AID PROJECT							
SCALE: 1" = 5'						SHEET NO. 1 OF 1 SHEETS		STA.	TO STA.				



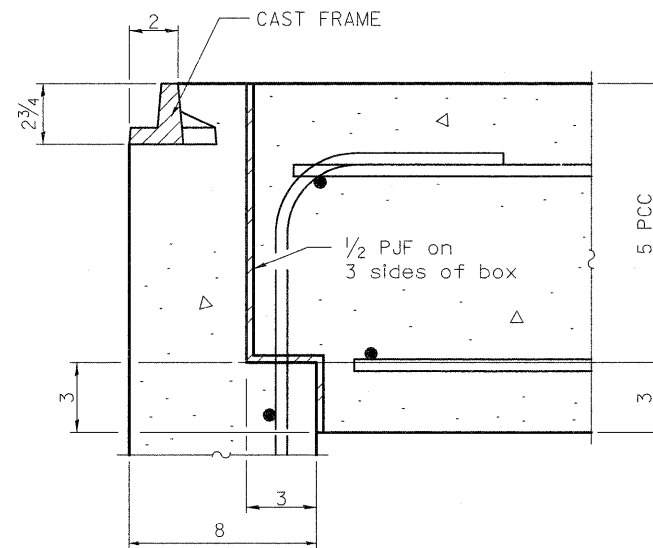
PLAN



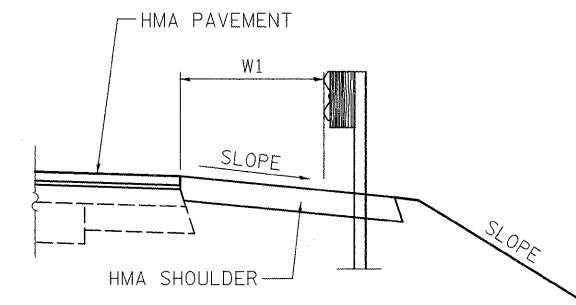
SECTION A-A



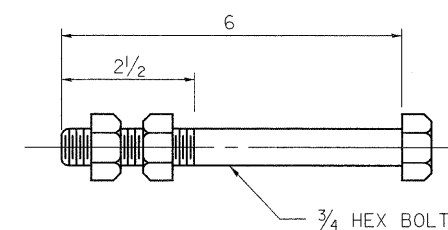
SEC. B-B



DETAIL A

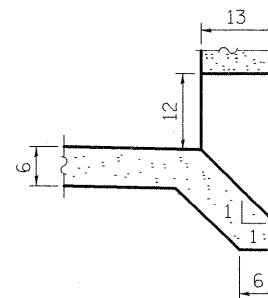


SECTION C-C



ANCHOR BOLT

(USED TO TIE PIPE TO CONCRETE COLLAR)



BOX OUTLET WHEN PRECAST

GENERAL NOTES

ALL EXPOSED EDGES OF THE INLET, EXCEPT THE UPPER PERIMETER, SHALL BE BEVELED 3/4.
ALL DIMENSION ARE IN INCHES UNLESS OTHERWISE SHOWN.

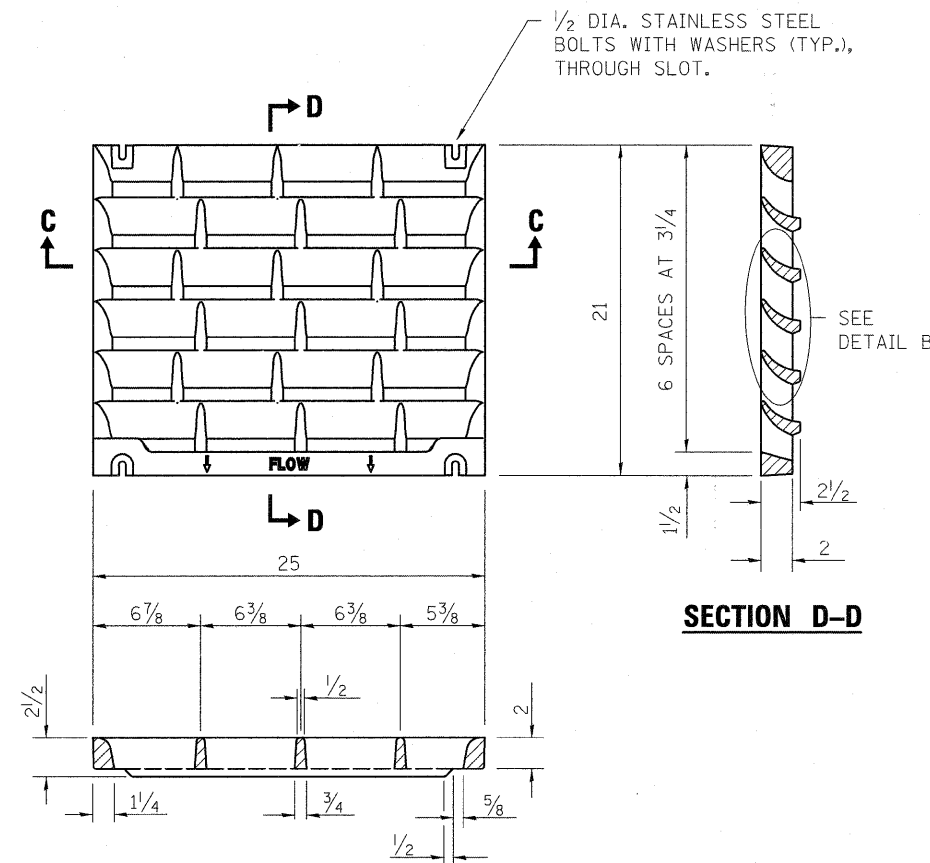
USER NAME = #OPERATOR#	DESIGNED -	REVISED -		1701 ROUTE 35 NORTH EAST DUBUQUE, IL 61025 (815) 747-8833 DESIGN FIRM #184001036
FILE NAME = #FILES#	CHECKED -	REVISED -		
PLOT DATE = Thu Dec 08 10:37:35	DRAWN -	REVISED -		
PLOT TIME = #TIME#	CHECKED -	REVISED -		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**US 20 INLET BOX DETAILS,
STANDARD 609006 (SPECIAL)**

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

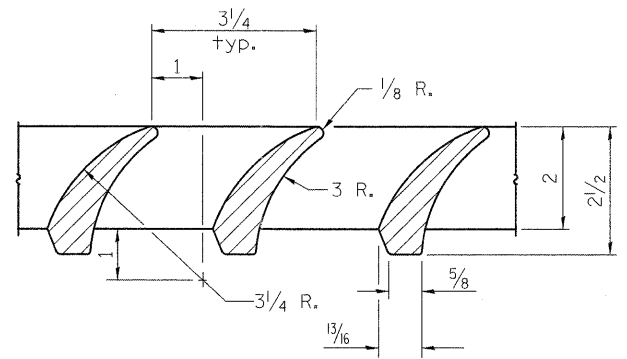
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	(43B,44B,44HB,45B)D	JO DAVIESS	309	83
CONTRACT NO. 64C94			ILLINOIS FED. AID PROJECT	



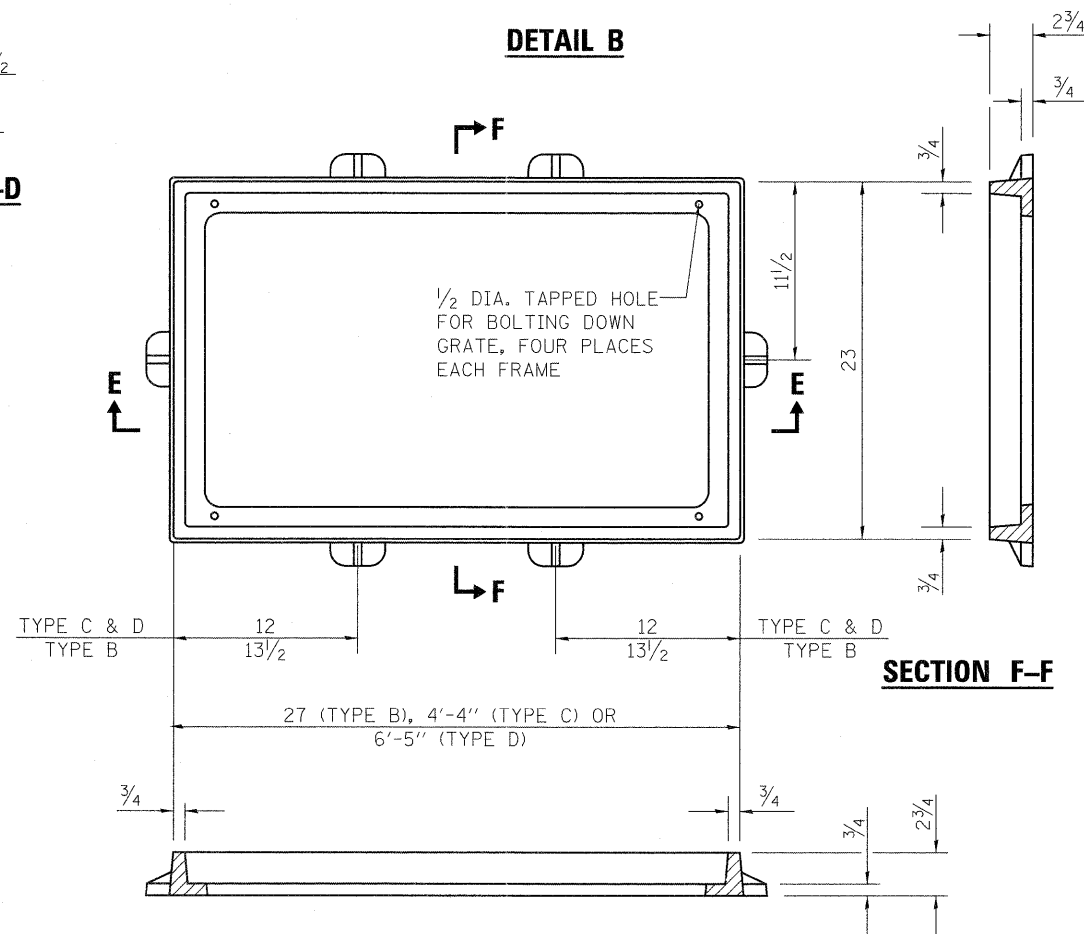
SECTION C-C

DETAIL OF CAST GRATE

TYPE B REQUIRES 1 GRATE
 TYPE C REQUIRES 2 GRATES
 TYPE D REQUIRES 3 GRATES

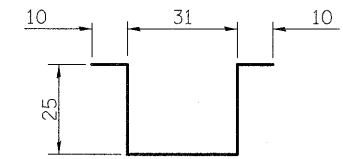


DETAIL B

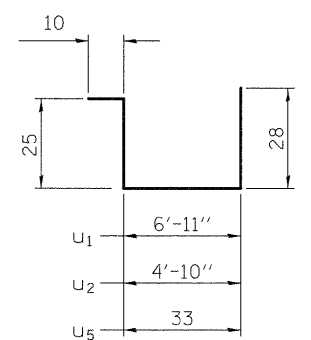


SECTION E-E

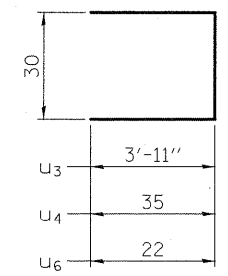
DETAIL OF CAST FRAME



BAR u



BARS u1, u2 & u5



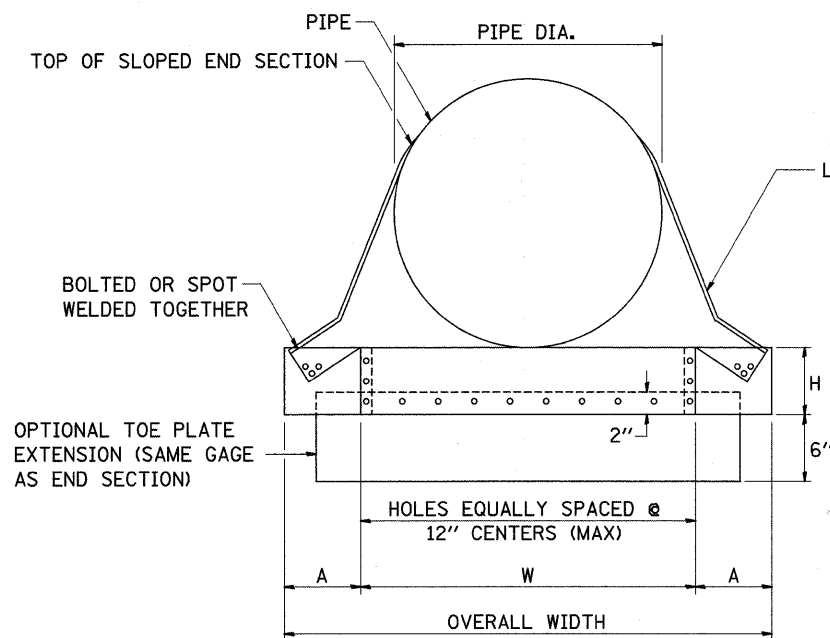
BARS u3, u4 & u6

INLET BOX

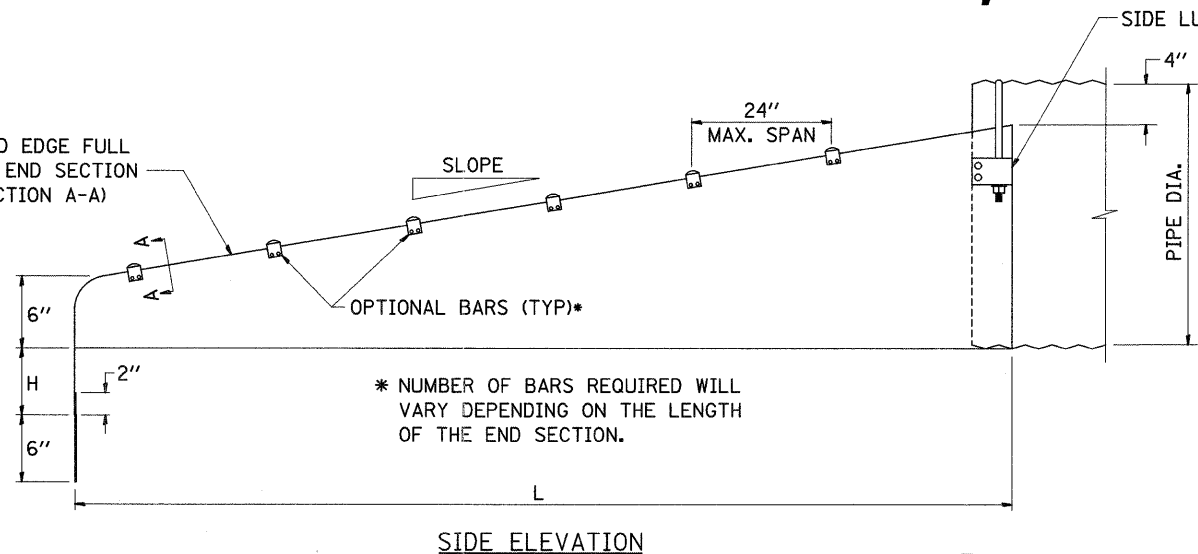
REQUIRED MATERIAL			
TYPE B			
BAR	QTY.	SIZE	LENGHT
u	4	No. 4	8'-5"
u5	3	No. 4	8'-0"
u6	4	No. 4	6'-2"
CONCRETE	CU. YD.	0.5	
REINF. BARS	LBS.	55.0	
GRATING	SQ. FT.	3.6	
TYPE C			
BAR	QTY.	SIZE	LENGHT
u	6	No. 4	8'-5"
u2	3	No. 4	10'-1"
u4	4	No. 4	8'-4"
CONCRETE	CU. YD.	0.8	
REINF. BARS	LBS.	76	
GRATING	SQ. FT.	7.3	
TYPE D			
BAR	QTY.	SIZE	LENGHT
u	8	No. 4	8'-5"
u1	3	No. 4	12'-2"
u3	4	No. 4	10'-4"
CONCRETE	CU. YD.	1.1	
REINF. BARS	LBS.	97.0	
GRATING	SQ. FT.	10.9	

SN	LOCATION	INLET TYPE	SHOULDER WIDTH (FT)	O-O GRATING FRAME	INLET BOX INSIDE WIDTH	L1 (FT)	L2 (FT)	L3 (FT)	W1 (FT)	W2 (FT)	S (%)
043-0002	STA. 226+97, 15.63' RT	B	4.82	2'-3"	1'-10"	10	4.99	5.01	3.63	4.05	4.50
043-0003	STA. 226+39, 16.57' RT	B	5.76	2'-3"	1'-10"	12	7.55	4.45	4.57	4.99	4.50
043-0004	STA. 338+49.55, 16.92' LT	B	4.92	2'-3"	1'-10"	10	5	5	4.92	5.34	4.50
043-0005	STA. 330+24.3, 16.92' LT	B	4.92	2'-3"	1'-10"	10	4.63	5.37	4.92	5.34	4.50
043-0006	STA. 415+40, 22.67' LT	D	10.67	6'-5"	6'-0"	9.52	4.52	5	10.67	11.09	1.50
043-0006	STA. 415+40, 18.17' RT	C	6.17	4'-4"	3'-11"	9.52	4.52	5	6.17	6.59	1.50
043-0007	STA. 485+67.50, 17.94' LT	C	5.94	4'-4"	3'-11"	12	8.19	3.81	5.94	6.36	4.50

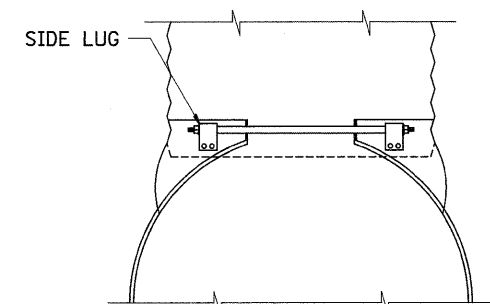
METAL END SECTION WITH GRATE, 48 INCH



FRONT VIEW ROUND PIPE

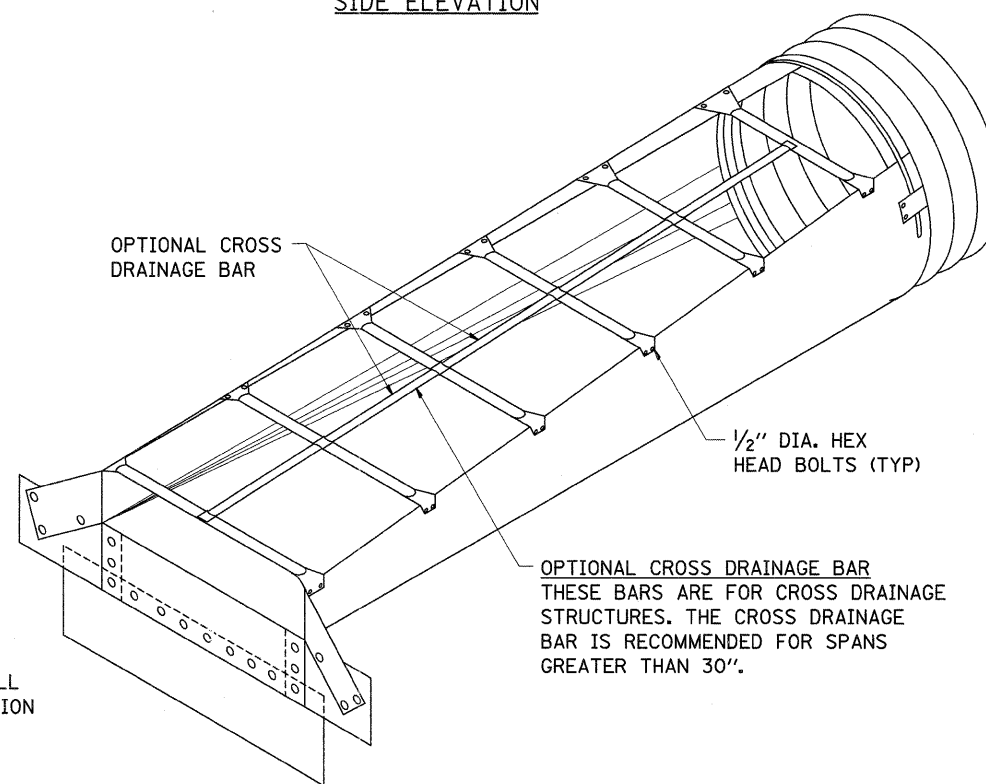


SIDE ELEVATION

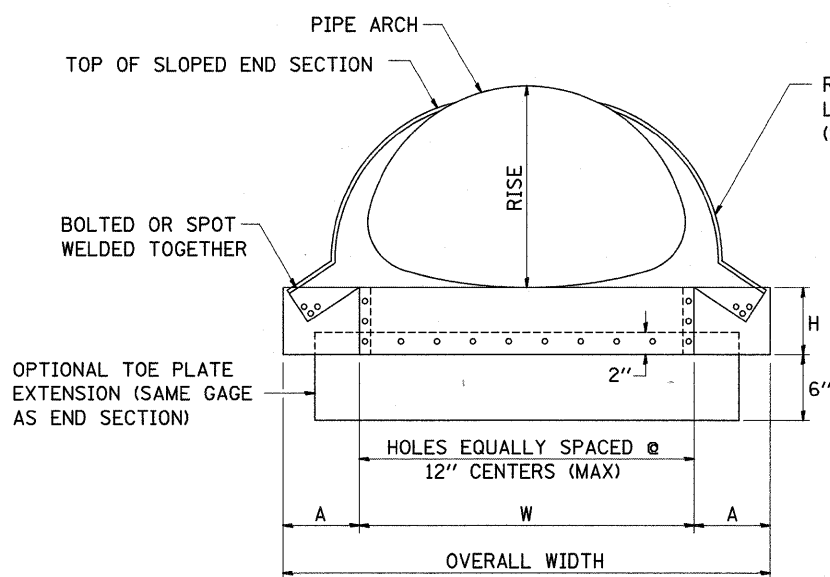


TYPE #2 CONNECTOR DETAILS (SHOWN)

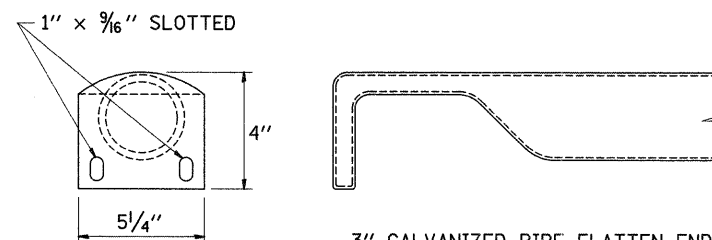
TYPE #1 CONNECTOR DETAILS THRU 24" GALVANIZED STRAP
TYPE #2 CONNECTOR DETAILS (SHOWN) FOR 30" AND LARGER 21" x 15" AND LARGER 1/2" THREADED ROD W/FLANGED NUT AND SIDE LUG



CIRCULAR PIPE ISOMETRIC VIEW



FRONT VIEW PIPE ARCH



DETAIL OF OPTIONAL BARS

EDGE OF SIDEWALL ROLLED SNUGLY AGAINST STEEL ROD.
3/16" DIA GALVANIZED STEEL ROD OR NO. 4 GALVANIZED REINFORCING BAR.

SECTION A-A

GENERAL NOTES

- CONNECTORS - ROUND SIZES THRU 24" ATTACH TO PIPE WITH TYPE #1 STRAPS, ALL OTHER SIZES ATTACH WITH TYPE #2 RODS AND LUGS.
- TOE PLATE EXTENSIONS - WHEN REQUIRED, TOE PLATE EXTENSIONS ARE TO BE THE SAME GAGE AS END SECTION. DIMENSIONS SHALL BE OVERALL WIDTH LESS 6 INCHES BY 8 INCHES HIGH.
- OPTIONAL BARS - BARS WHEN SPECIFIED, SHALL BE SCHEDULE 40 GALVANIZED STEEL PIPE.
- TYPICALLY PARALLEL BARS ARE PLACED ON 24" CENTERS.
- TYPICALLY THE CROSS BARS ARE USED ON CROSS DRAIN APPLICATIONS.
- HOLES FOR BAR ATTACHMENTS SHALL BE PROVIDED ON ALL END SECTIONS.
- DIMENSIONS ARE SUBJECT TO MANUFACTURING TOLERANCES.
- THESE END SECTIONS WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER EACH FOR SLOPED METAL END SECTIONS WITH GRATE OF THE DIAMETER SPECIFIED, WHICH SHALL INCLUDE FURNISHING AND INSTALLING THE END SECTION COMPLETE IN PLACE, INCLUDING THE TOE PLATE, EXCAVATING, BACKFILLING, CONNECTING TO THE PIPE, AND CROSS DRAINAGE BARS.

METAL END SECTIONS FOR ROUND PIPE										
PIPE DIA. (IN.)	MIN. THICK IN.	DIMENSIONS (INCHES) GAGE	L DIMENSIONS							
			A	H	W	OVERALL WIDTH	SLOPE	LENGTH (IN.)	SLOPE	LENGTH (IN.)
15	.064	16	8	6	21	37	6:1	30	4:1	20
18	.064	16	8	6	24	40	6:1	48	4:1	32
21	.064	16	8	6	27	43	6:1	66	4:1	44
24	.064	16	8	6	30	46	6:1	84	4:1	56
30	.109	12	12	9	36	60	6:1	120	4:1	80
36	.109	12	12	9	42	66	4:1	104	6:1	156
42	.109	12	16	12	48	80	4:1	128	6:1	192
48	.109	12	16	12	54	86	4:1	152	6:1	228
54	.109	12	16	12	60	92	4:1	176	6:1	264
60	.109	12	16	12	66	98	4:1	200	6:1	300

METAL END SECTIONS FOR PIPE ARCH												
EQUIV. DIA. (IN.)	(INCHES)		MIN. THICK IN.	GAGE	DIMENSIONS (INCHES)			L DIMENSIONS				
	SPAN	RISE			A	H	W	OVERALL WIDTH	SLOPE	LENGTH (IN.)	SLOPE	LENGTH (IN.)
18	21	15	.064	16	8	6	27	43	6:1	30	4:1	20
21	24	18	.064	16	8	6	30	46	6:1	48	4:1	32
24	28	20	.064	16	8	6	34	50	6:1	60	4:1	40
30	36	24	.079	14	12	9	41	65	6:1	84	4:1	56
36	42	29	.109	12	12	9	48	72	6:1	114	4:1	76
42	49	33	.109	12	16	12	55	87	4:1	92	6:1	138
48	57	38	.109	12	16	12	63	95	4:1	112	6:1	168
54	64	43	.109	12	16	12	70	102	4:1	132	6:1	198
60	71	47	.109	12	16	12	77	109	4:1	148	6:1	222
72	83	57	.109	12	16	12	89	121	4:1	188	6:1	282

Bench Mark: Chiseled "□" on SE Wingwall of N. Structure, Sta. 226+14.59, 19.04' Rt. - Elev. 613.16

Existing Structure: Existing Structure: S.N. 043-0002 & S.N. 043-0003 built in 1963 as F.A. Route 6 (S.B.I. Rte. 5), Section 43B Each Structure consists of a 3 span reinforced concrete deck on continuous WF steel beams supported by 2 reinforced concrete stub abutments and 2 reinforced concrete solid wall piers founded on pile supported footings. The bridge deck was repaired in 1970-71, 1994, and 2001. Structural Steel was cleaned and painted in 1977 & 1987. The slopewall was repaired in 1984. 129'-2 1/2" back-to-back abutments and 37'-5" out-to-out deck. Concrete deck to be removed and replaced using stage construction.

No salvage

SCOPE OF WORK

1. Remove and replace existing concrete deck.
2. Make new deck composite full length of bridge.
3. Reconfigure existing abutments and wingwalls to semi-integral.
4. Replace steel rocker bearings at abutments w/ elastomeric bearings.
5. Clean, paint and reuse fixed and expansion bearings at the piers.
6. Remove and replace end diaphragms at both abutments.
7. Remove existing concrete slopewall and replace with riprap.
8. Clean and paint existing structural steel.

INDEX OF SHEETS

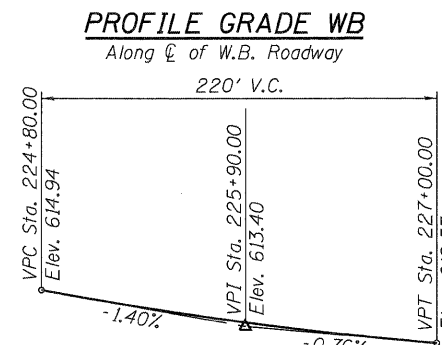
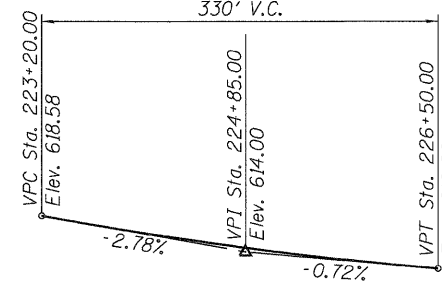
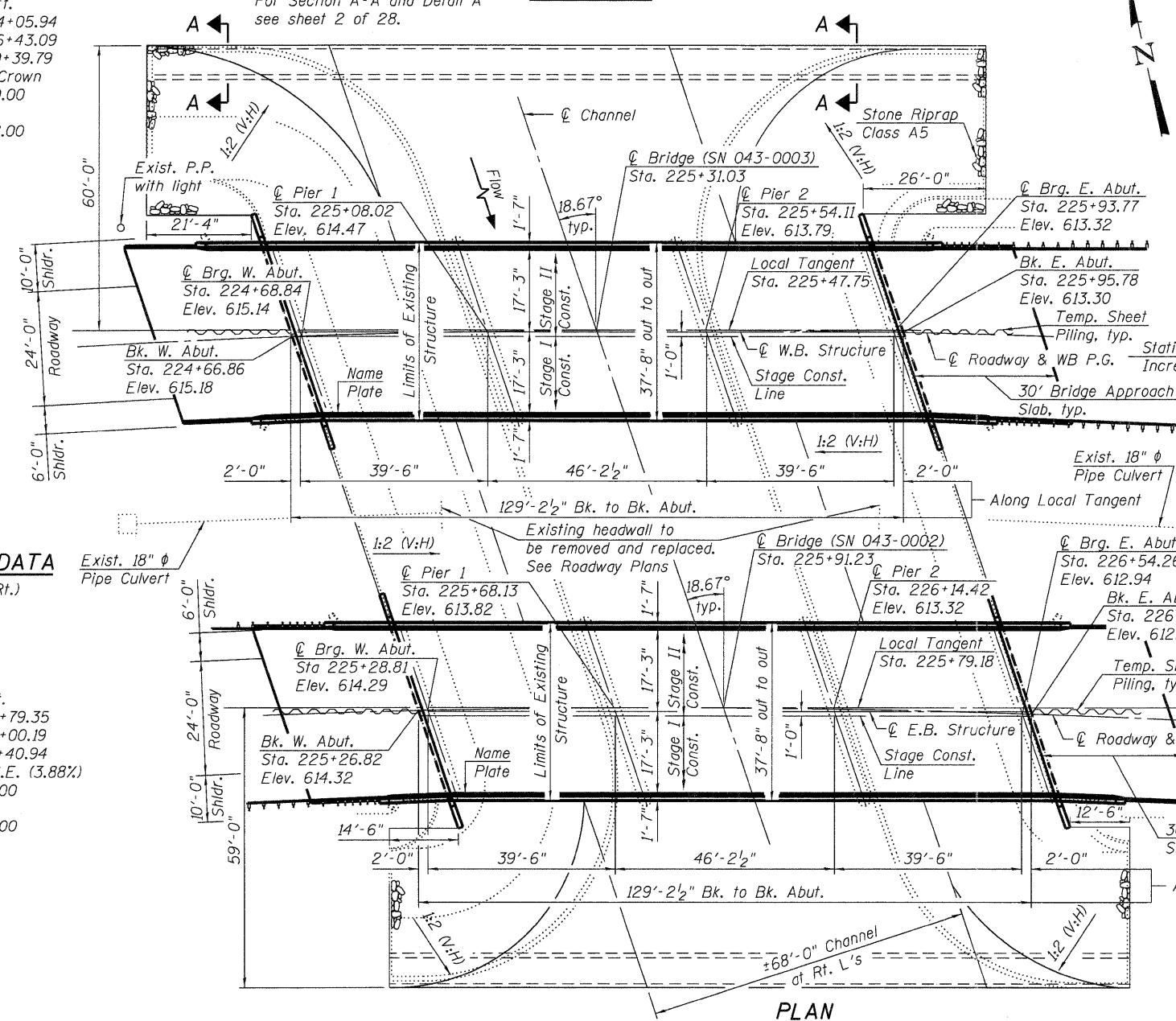
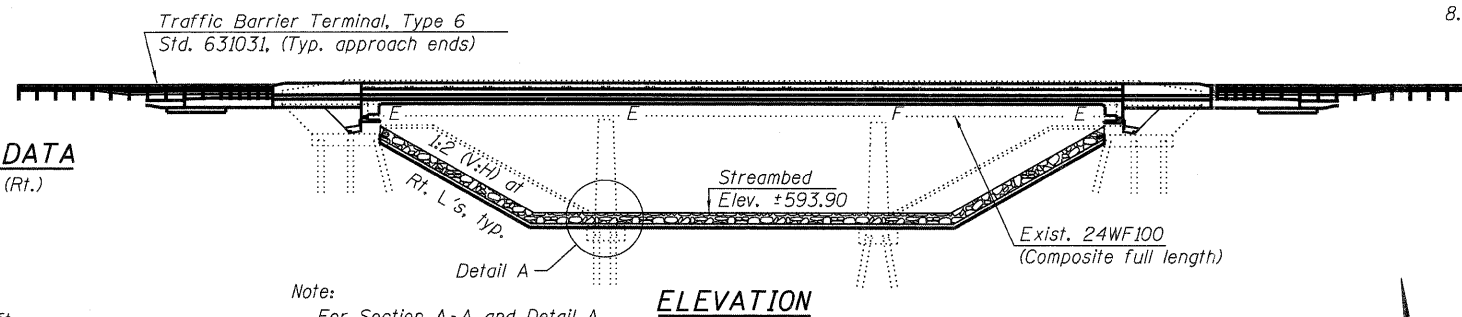
1. General Plan & Elevation
2. General Data
3. Stage Construction Details
4. Temporary Sheet Piling
5. Temporary Concrete Barrier for Stage Construction
- 6.-10. Top of Slab Elevations
11. W.B. Approach Slab Elevations
12. E.B. Approach Slab Elevations
13. Superstructure
- 14.-15. Superstructure Details
- 16.-17. Bridge Approach Slab Details
18. Framing Plan and Details
19. Structural Steel Details
20. Bearing Details
21. West Abutment Concrete Removal
22. East Abutment Concrete Removal
23. West Abutment (0002)
24. East Abutment (0002)
25. West Abutment (0003)
26. East Abutment (0003)
27. Bar Splicer Assembly and Mechanical Splicer Details
28. Cantilever Forming Brackets

WB CURVE DATA

$\Delta = 30^{\circ}44'08''$ (Rt.)
 $D = 2^{\circ}29'04''$
 $T = 633.85'$
 $L = 1,237.15'$
 $E = 85.52'$
 $R = 2,306.25'$
 $S.E. = 0.045'/ft.$
 $P.C. = Sta. 224+05.94$
 $P.T. = Sta. 236+43.09$
 $P.I. = Sta. 230+39.79$
 Match Existing Crown at Sta. 222+80.00
 Attain Full S.E. at Sta. 224+48.00

EB CURVE DATA

$\Delta = 13^{\circ}14'48''$ (Rt.)
 $D = 2^{\circ}32'36''$
 $R = 2,252.80'$
 $T = 261.58'$
 $L = 520.84'$
 $E = 15.14'$
 $S.E. = 0.045'/ft.$
 $P.C. = Sta. 223+79.35$
 $P.T. = Sta. 229+00.19$
 $P.I. = Sta. 226+40.94$
 Match Existing S.E. (3.88%) at Sta. 224+80.00
 Attain Full S.E. at Sta. 225+00.00



STATION 225+91.23 REBUILT 20 BY STATE OF ILLINOIS F.A.P. RT. 301 SEC. 43B LOADING HS20-44 STR. NO. 043-0002 (E.B.)	STATION 225+31.03 REBUILT 20 BY STATE OF ILLINOIS F.A.P. RT. 301 SEC. 43B LOADING HS20-44 STR. NO. 043-0003 (W.B.)
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NAME PLATE

See Std. 515001
 Existing Name Plate shall be cleaned and relocated next to new Name Plate. Cost included with Name Plates.

LOADING HS20-44
 Allow 25#/sq. ft. for future wearing surface.

DESIGN SPECIFICATIONS

2002 AASHTO

DESIGN STRESSES

FIELD UNITS (New Construction)

$f'c = 3,500$ psi
 $f_y = 60,000$ psi (reinforcement)
 $f_y = 36,000$ psi (structural steel)

FIELD UNITS (Existing Construction)

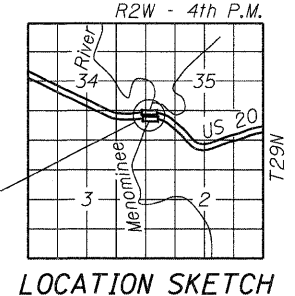
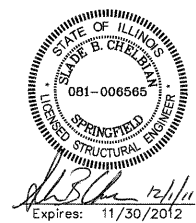
$f'c = 3,500$ psi
 $f_y = 40,000$ psi (reinforcement)
 $f_y = 36,000$ psi (structural steel)

SEISMIC DATA

Seismic Performance Category (SPC) = A
 Horizontal Bedrock Acceleration Coefficient (A) = 0.030g
 Site Coefficient (S) = 1.5

APPROVED
 FOR STRUCTURAL ADEQUACY ONLY

J. Carl Papp (700)
 ENGINEER OF BRIDGES AND STRUCTURES



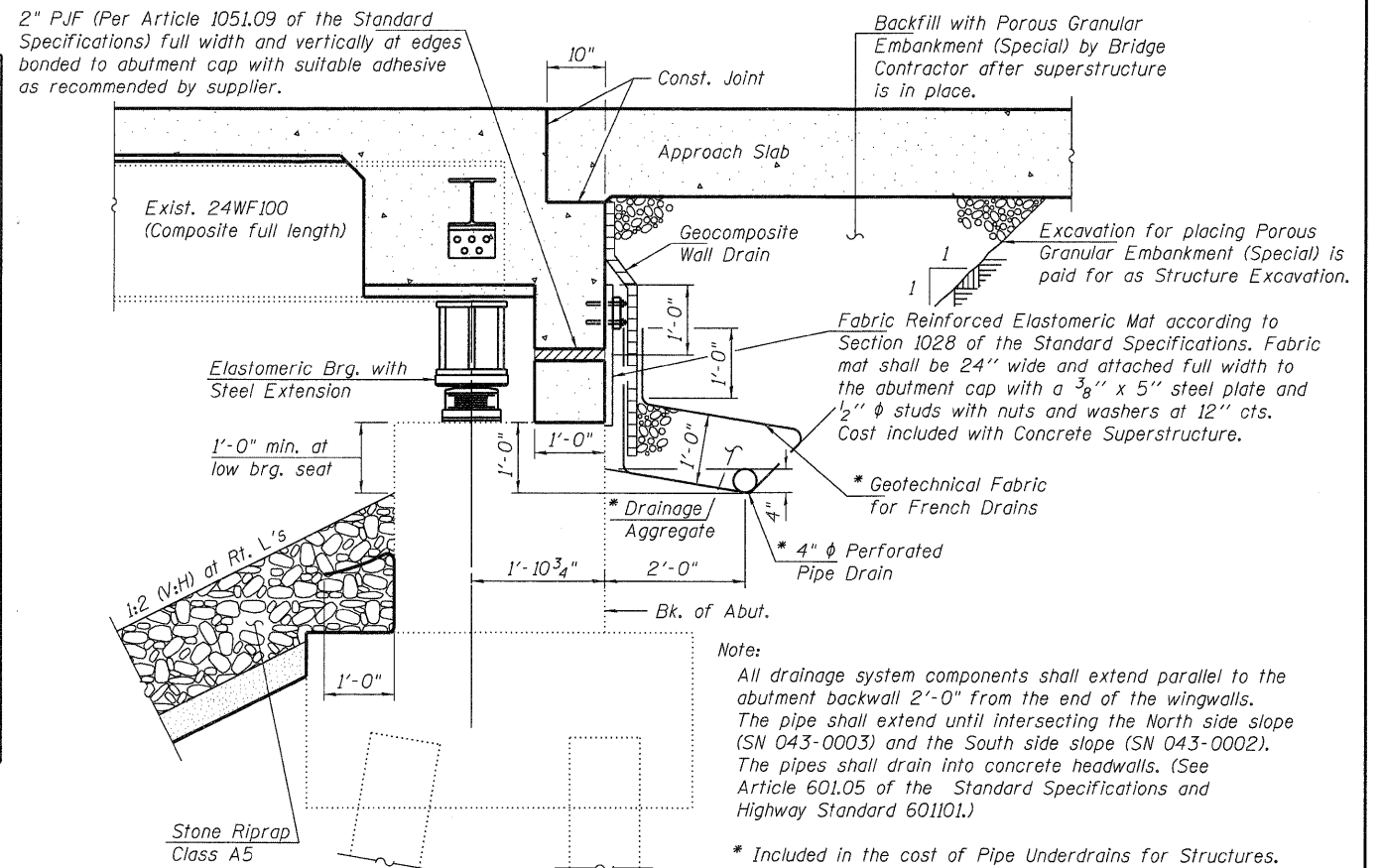
GENERAL PLAN & ELEVATION
U.S. ROUTE 20 OVER
MENOMINEE RIVER
F.A.P. ROUTE 301 - SEC. 43B
JO DAVIESS COUNTY
STATION 225+91.23 (E.B.)
STATION 225+31.03 (W.B.)
STRUCTURE NO. 043-0002 (E.B.)
STRUCTURE NO. 043-0003 (W.B.)

GENERAL NOTES

Fasteners shall be AASHTO M164 Type 1, mechanically galvanized bolts. Bolts 3/4" φ, holes 13/16" φ, unless otherwise noted. No field welding is permitted except as specified in the contract documents. Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60. Reinforcement bars designated (E) shall be epoxy coated. Prior to pouring the new concrete deck, all heavy or loose rust, loose mill scale, and other loose or potentially detrimental foreign material shall be removed from the surfaces in contact with concrete. Tightly adhered paint may remain unless otherwise noted. Removal shall be accomplished by methods that will not damage the steel and the cost will be included in the pay item covering removal of the existing concrete. As directed by the Engineer, existing construction accessories welded to the top flange of beams and girders shall be removed. The weld areas shall be ground flush and inspected for cracks using magnetic particle testing (MT) or dye penetrant testing (PT) by qualified personnel approved by the Engineer. Any cracks that cannot be removed by grinding 1/4" deep shall be identified and reported to the Bureau of Bridges and Structures for further disposition. The cost of removing welded accessories, grinding and inspecting weld areas and grinding cracks will be paid for according to Article 109.04 of the Standard Specifications. Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work. The existing structural steel coating contains lead. The Contractor shall take appropriate precautions to deal with the presence of lead on this project. Layout of slope protection system may be varied to suit ground conditions in the field as directed by the Engineer. Cleaning and painting of the existing structural steel shall be as specified in the special provision for "Cleaning and Painting Existing Steel Structures". All existing steel shall be cleaned per Near White Blast Cleaning - SSPC-SP10. All new and existing steel shall be painted according to the requirements of Paint System 1 - OZ/E/U. The color of the final finish coat for all interior steel surfaces shall be Gray, Munsell No 5B 7/1. The color of the final finish coat for the exterior and bottom flange of the fascia beams shall be Interstate Green, Munsell No. 7.5G 4/8. All new structural steel shall be shop painted with an Inorganic Zinc Rich Primer per AASHTO M300 Type 1. Slipforming of parapets will not be allowed.

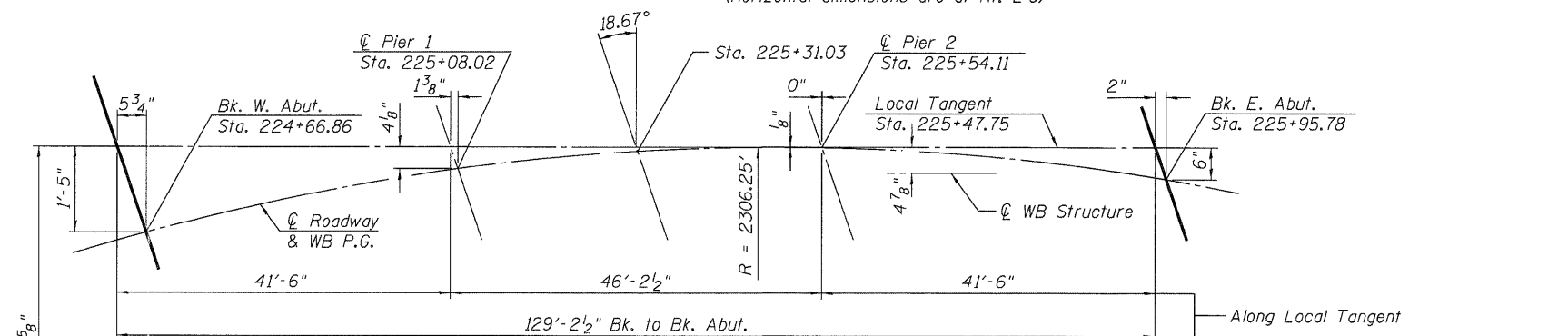
TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Stone Riprap, Class A5	Sq. Yd.		3,420	3,420
Filter Fabric	Sq. Yd.		3,420	3,420
Concrete Removal	Cu. Yd.		54.0	54.0
Slopedwall Removal	Sq. Yd.		2,023	2,023
Removal of Existing Concrete Deck No. 1	Each	2		2
Structure Excavation	Cu. Yd.		410	410
Concrete Structures	Cu. Yd.		118.0	118.0
Concrete Superstructure	Cu. Yd.	606.3		606.3
Bridge Deck Grooving	Sq. Yd.	1,368		1,368
Protective Coat	Sq. Yd.	1,726		1,726
Furnishing and Erecting Structural Steel	Pound	9,100		9,100
Stud Shear Connectors	Each	5,148		5,148
Reinforcement Bars, Epoxy Coated	Pound	136,160	3,760	139,920
Bar Splicers	Each	1,170	168	1,338
Name Plates	Each	2		2
Elastomeric Bearing Assembly, Type I	Each	24		24
Anchor Bolts, 1"	Each	48		48
Geocomposite Wall Drain	Sq. Yd.		108	108
Porous Granular Embankment, Special	Cu. Yd.		242	242
Jack and Remove Existing Bearings	Each	24		24
Structural Steel Removal	Pound	5,170		5,170
Containment and Disposal of Lead Paint Cleaning Residues No. 1	L. Sum	1		1
Cleaning and Painting Steel Bridge No. 1	L. Sum	1		1
Temporary Sheet Piling	Sq. Ft.		440	440
Pipe Underdrains for Structures 4"	Foot		235	235



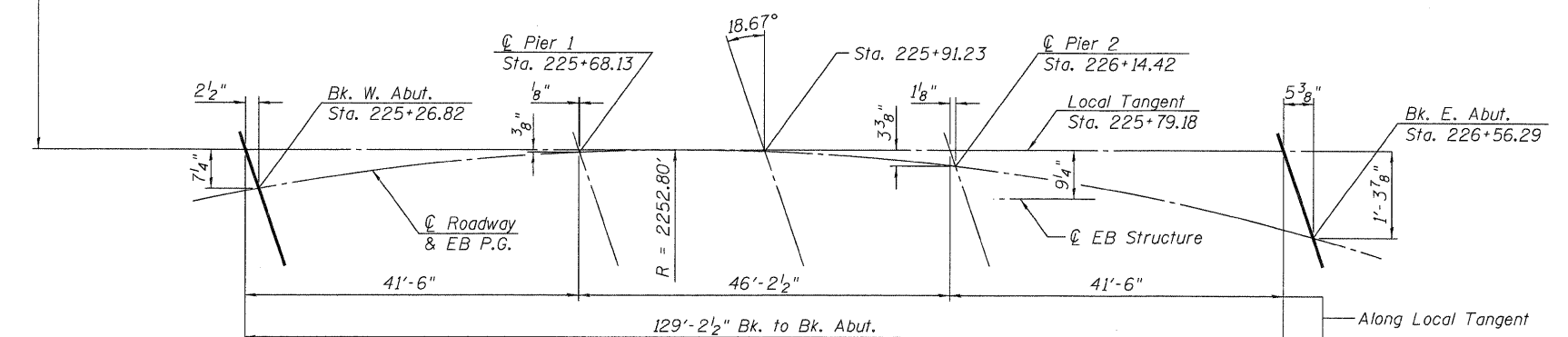
SECTION THRU ABUTMENTS

(Horizontal dimensions are at Rt. L's)



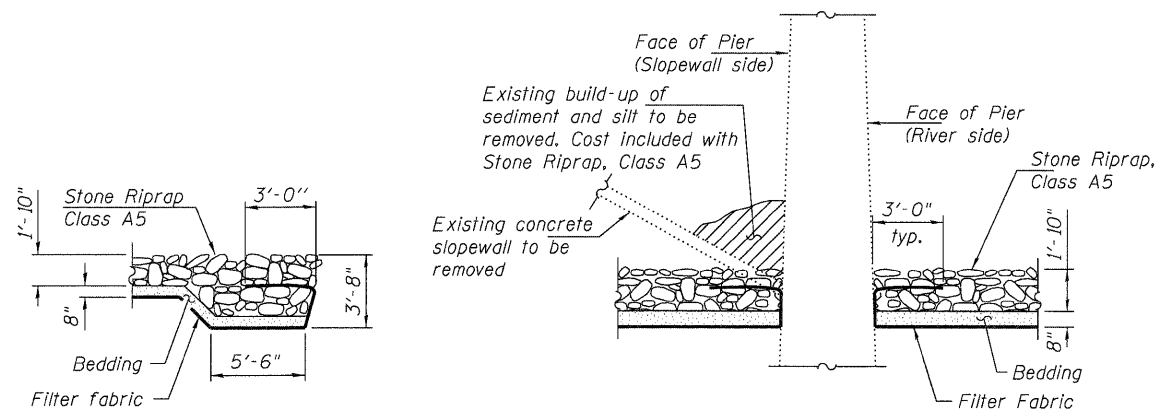
OFFSET SKETCH (WB)

(Structure No. 043-0003)



OFFSET SKETCH (EB)

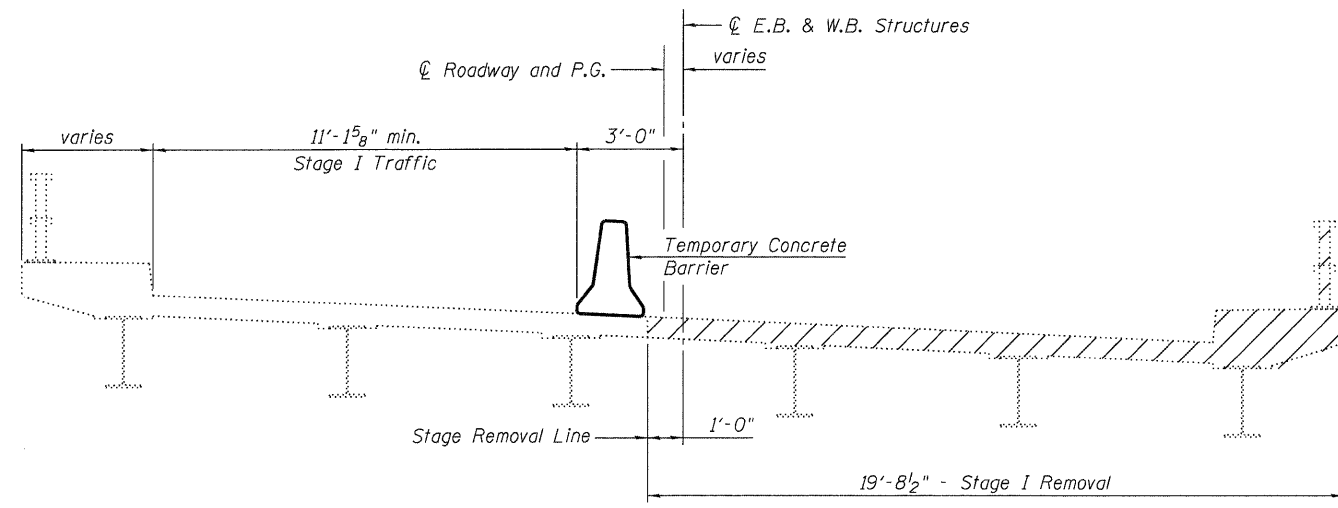
(Structure No. 043-0002)



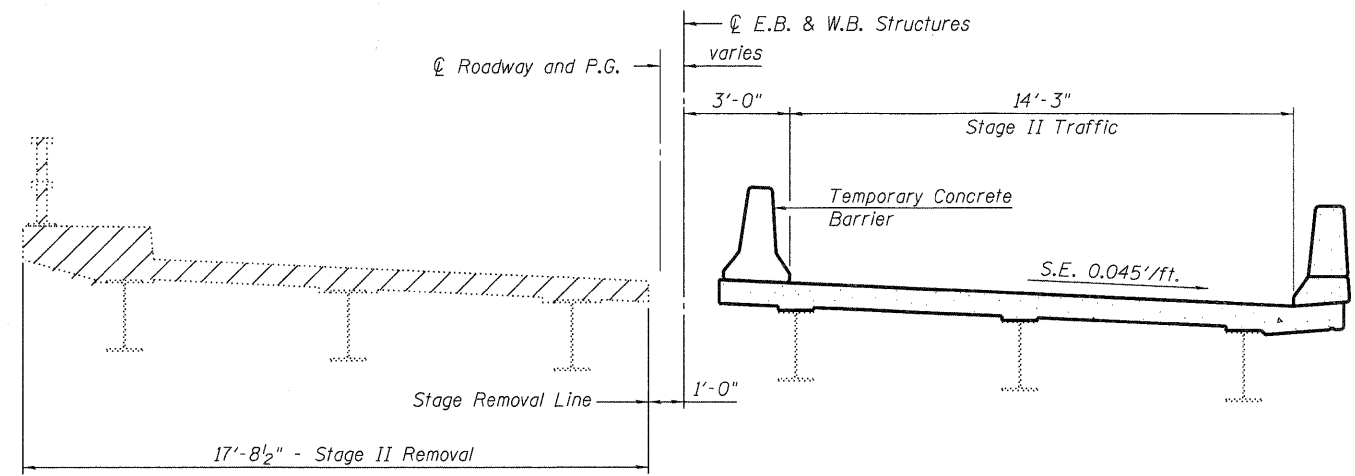
SECTION A-A

DETAIL A

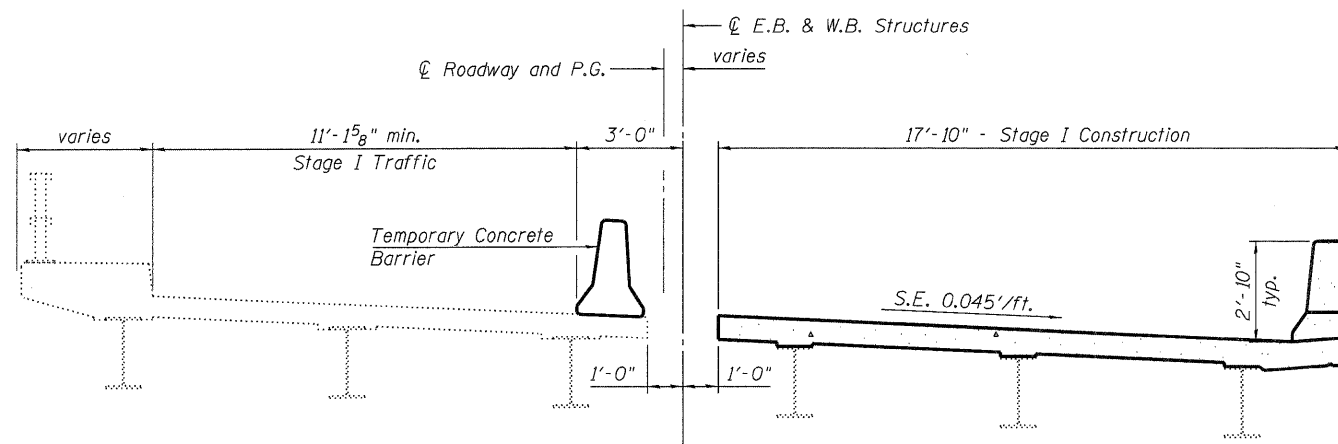
(Riprap treatment at piers)



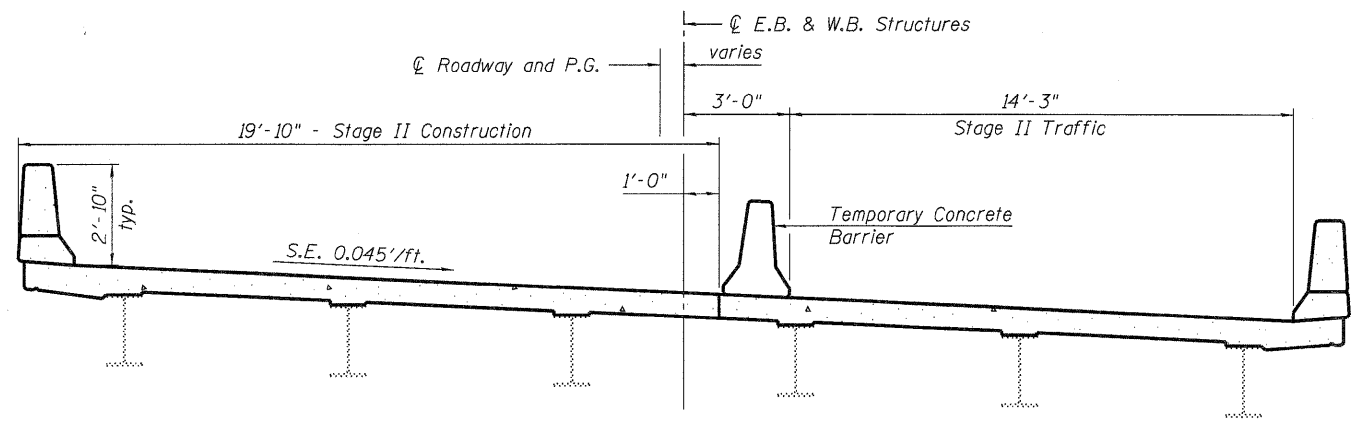
STAGE I REMOVAL



STAGE II REMOVAL



STAGE I CONSTRUCTION



STAGE II CONSTRUCTION

Notes:

All Staging Cross Sections are looking East.
 Hatched area indicates Removal of Existing Concrete Deck.
 For details of Temporary Concrete Barrier, See sheet 5 of 28.
 For quantities of Temporary Concrete Barrier, See Roadway Plans.

USER NAME = dhaberling	DESIGNED - RJN/BRD	REVISED -
FILE NAME = 0430002&3-64C94.dgn	CHECKED - SBC	REVISED -
PLOT DATE = 12/6/2011	DRAWN - DLH	REVISED -
PLOT TIME = 10:02:10 AM	CHECKED - SBC	REVISED -

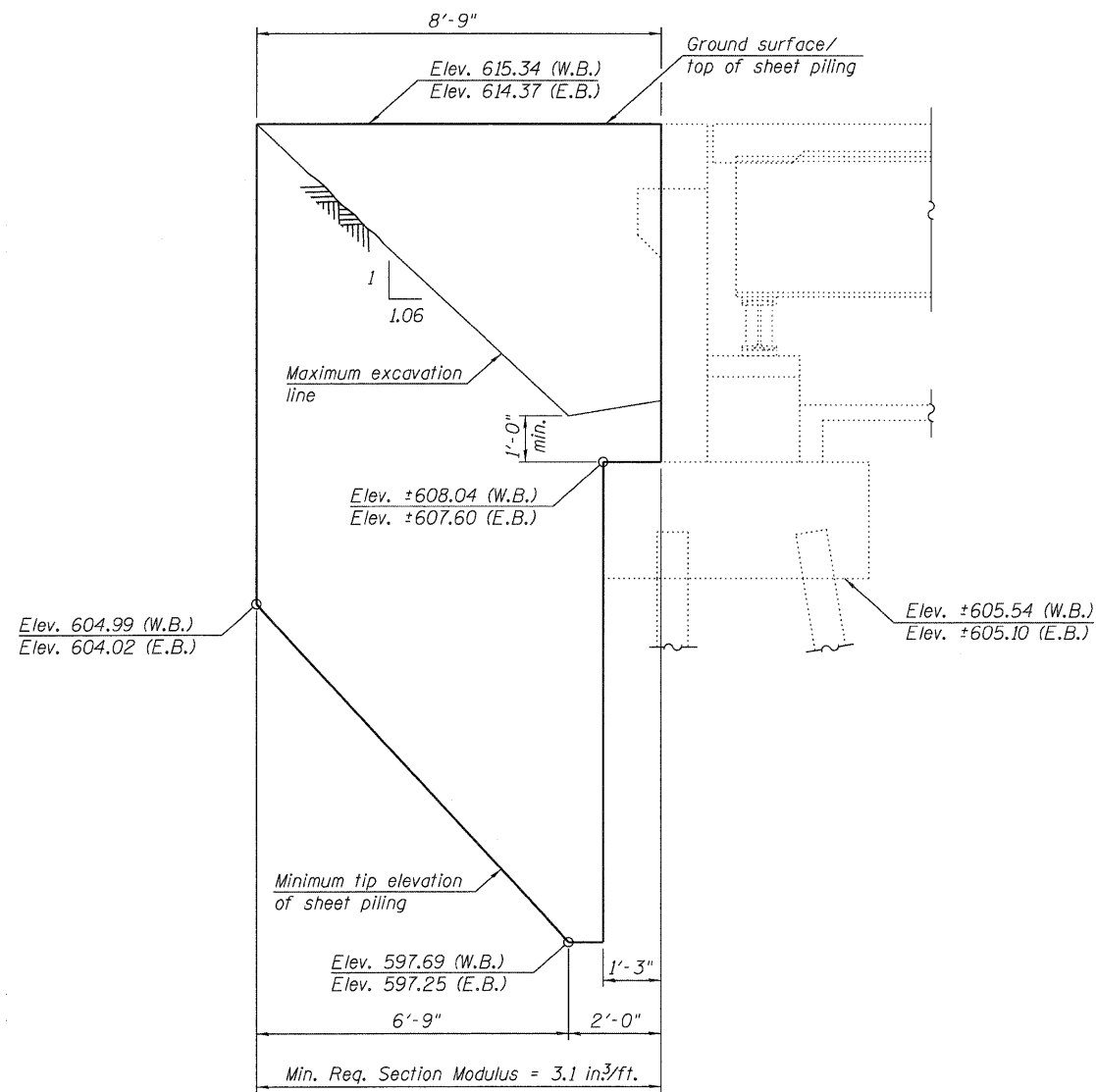
WHKS & CO.
 ENGINEERING
 7018 KINGSMILL CT.,
 SPRINGFIELD, IL
 (217) 483-9457
 DESIGN FIRM #184001036

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

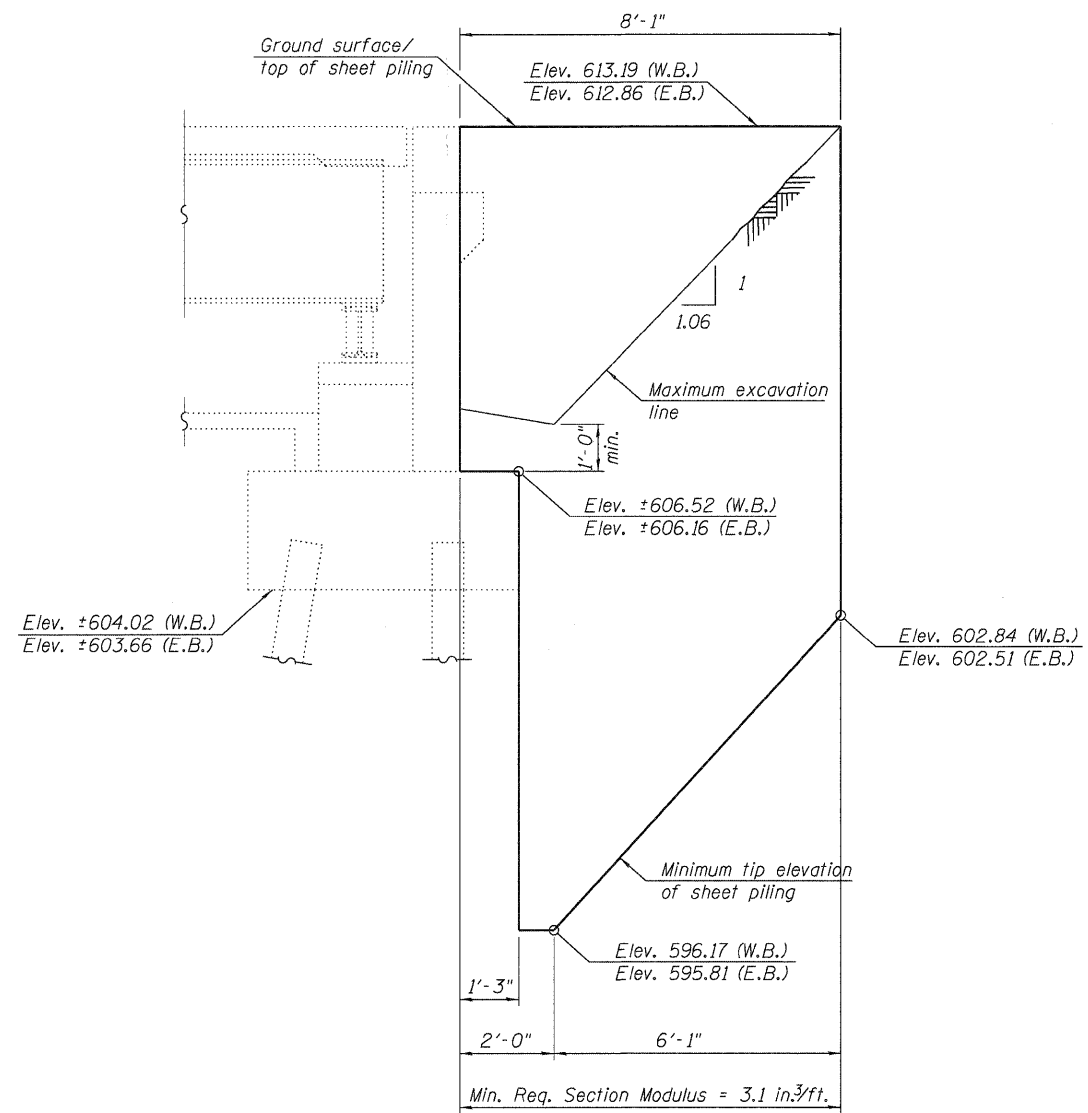
**STAGE CONSTRUCTION DETAILS
 STRUCTURE NO. 043-0002 & 043-0003**

SHEET NO. 3 OF 28 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	(43B, 44B, 44HB, 45B/D)	JO DAVIESS	309	88
				CONTRACT NO. 64C94
ILLINOIS FED. AID PROJECT				



TEMPORARY SHEET PILING AT WEST ABUTMENTS



TEMPORARY SHEET PILING AT EAST ABUTMENTS

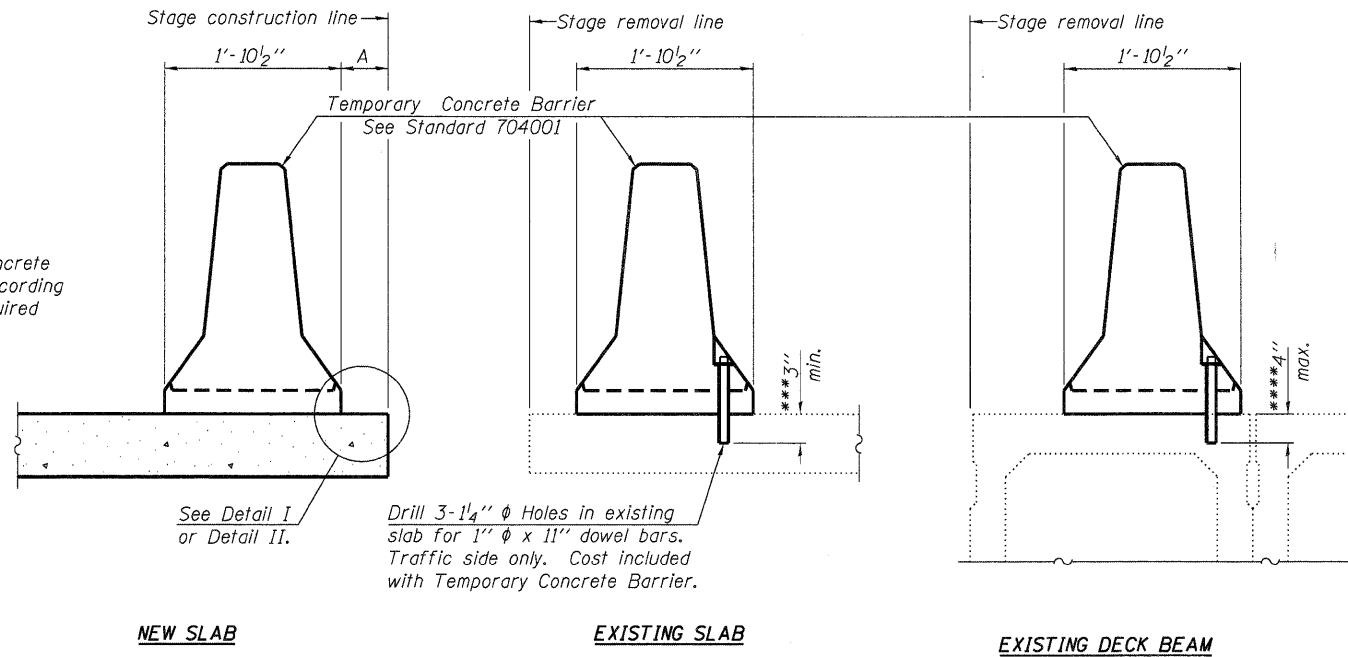
Notes:

If the Contractor chooses to alter the temporary cantilevered sheet piling design requirements shown on the plans, a design submittal including plan details and calculations will be required for review and acceptance by the Engineer.
 The Contractor shall connect the first sheet to the existing abutment wall to ensure stability of sheets driven to the top of the existing footing. This connection shall be reviewed and accepted by the Engineer and included in the cost for Temporary Sheet Piling.
 The temporary sheet Piling design is based on assumed embankment with $q_u = 1 \text{ tsf}$. Contractor shall verify soil conditions and soil strength and notify the Engineer if conditions are different.

BILL OF MATERIAL

Item	Unit	Total
Temporary Sheet Piling	Sq. Ft.	440

When "A" is 3'-6" or less, the temporary concrete barrier shall be anchored to the new slab according to Detail I or Detail II. No anchorage is required when "A" is greater than 3'-6".



SECTIONS THRU SLAB OR DECK BEAM

NOTES

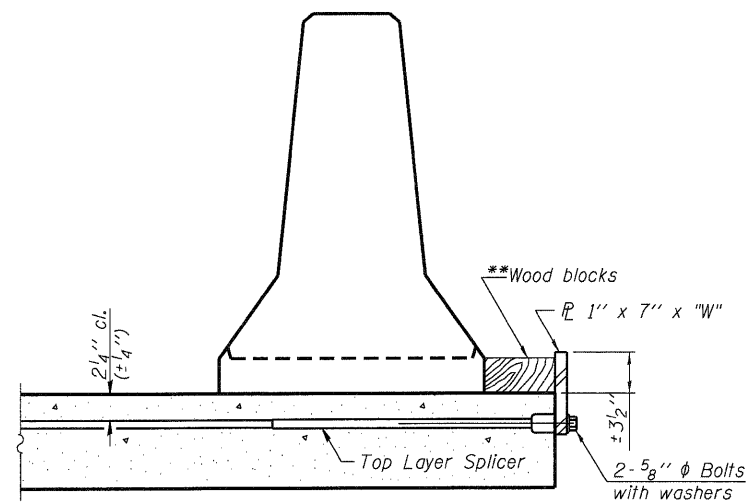
Detail I - With Bar Splicer or Couplers:
Connect one (1) 1" x 7" x "W" steel PL to the top layer of couplers with 2-5/8" φ bolts screwed to coupler at approximate C of each barrier panel.

Detail II - With Extended Reinforcement Bars:
Connect one (1) 1" x 7" x "W" steel PL to the concrete slab or concrete wearing surface with 2-5/8" φ Expansion Anchors or cast in place inserts spaced between the top layer of reinforcement at approximate C of each barrier panel.

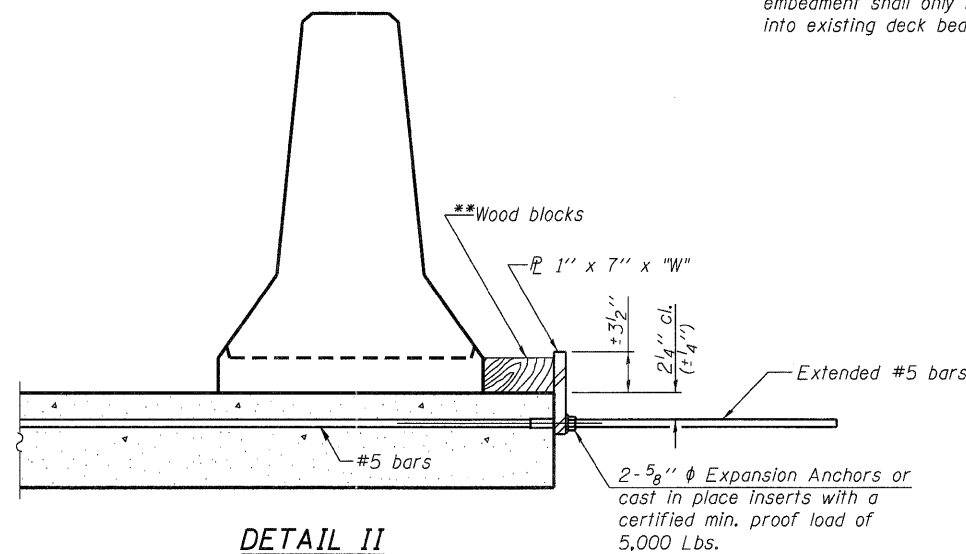
Cost of anchorage is included with Temporary Concrete Barrier. The 1" x 7" x "W" plate shall not be removed until stage II construction forms and all reinforcement bars are in place and the concrete is ready to be placed.

*** Dimension shown is minimum required embedment into concrete. If hot-mix asphalt wearing surface is present, minimum embedment shall be in addition to wearing surface depth.

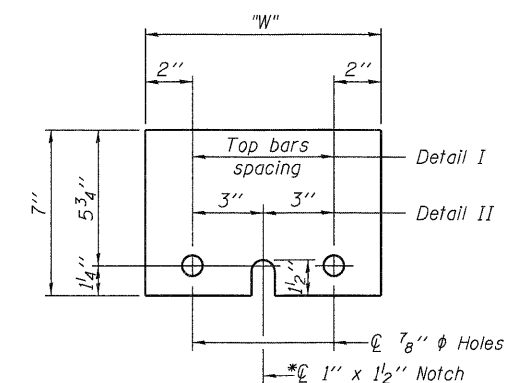
**** If existing deck beam is to remain in place after stage construction, embedment shall only be into wearing surface and not into existing deck beam concrete.



DETAIL I



DETAIL II



STEEL RETAINER PL 1" x 7" x "W"

* Required only with Detail II

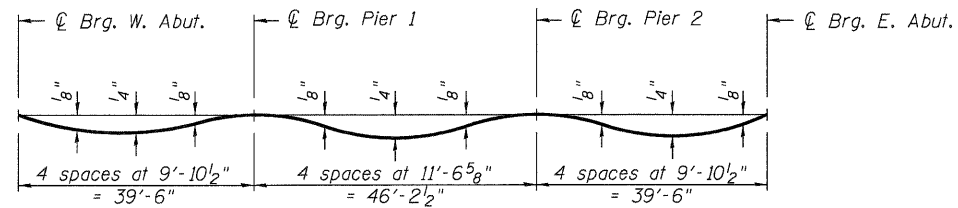
** Wood blocks may be omitted when required to provide minimum stage traffic lane width. When the wood blocks are omitted, the concrete barrier shall be in direct contact with the steel retainer plate.

"W" = Top bars spacing + 4"

R-27

7-1-10

USER NAME = dheberling	DESIGNED - RJN/BRD	REVISED -		7018 KINGSMILL CT., SPRINGFIELD, IL (217) 483-9457 DESIGN FIRM #184001036	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TEMPORARY CONCRETE BARRIER FOR STAGE CONSTRUCTION STRUCTURE NO. 043-0002 & 043-0003	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FILE NAME = 0430002&3-64C94.dgn	CHECKED - SBC	REVISED -					301	(43B, 44B, 44HB, 45BID)	JO DAVIESS	309	90
PLOT DATE = 12/6/2011	DRAWN - DLH	REVISED -					CONTRACT NO. 64C94				
PLOT TIME = 10:02:14 AM	CHECKED - SBC	REVISED -					ILLINOIS FED. AID PROJECT				

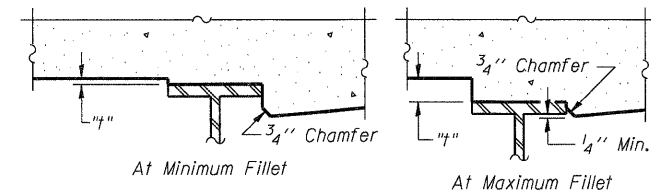


DEAD LOAD DEFLECTION DIAGRAM

(Includes weight of concrete only.)

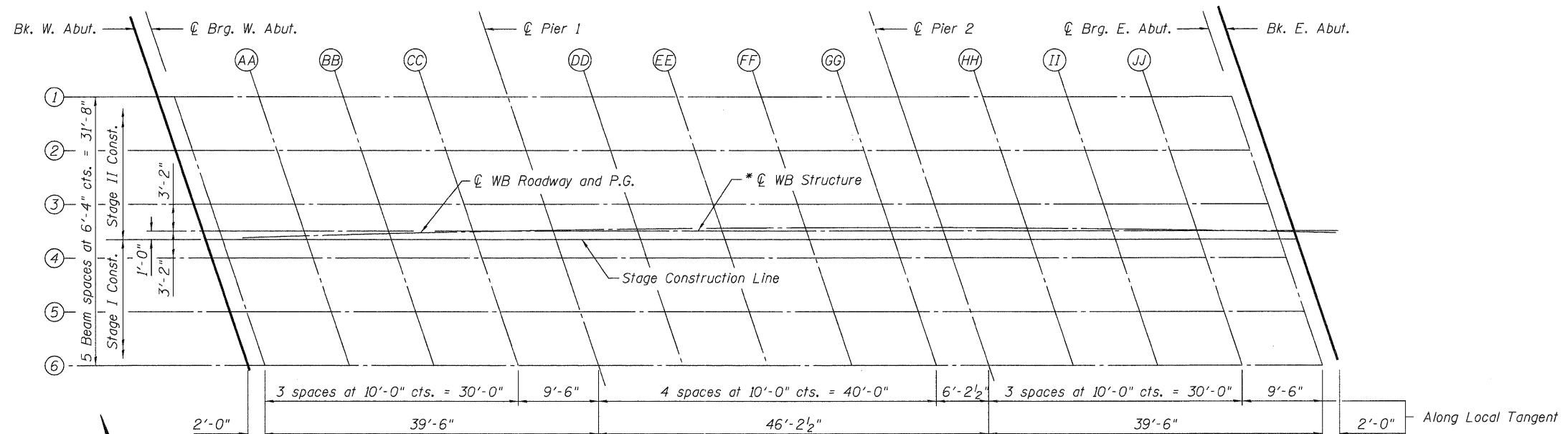
Notes:

The above deflections are not to be used in the field if the engineer is working from the grade elevations adjusted for dead load deflections as shown on sheets 7 thru 10 of 28.
Work this sheet with sheets 7 thru 10 of 28.



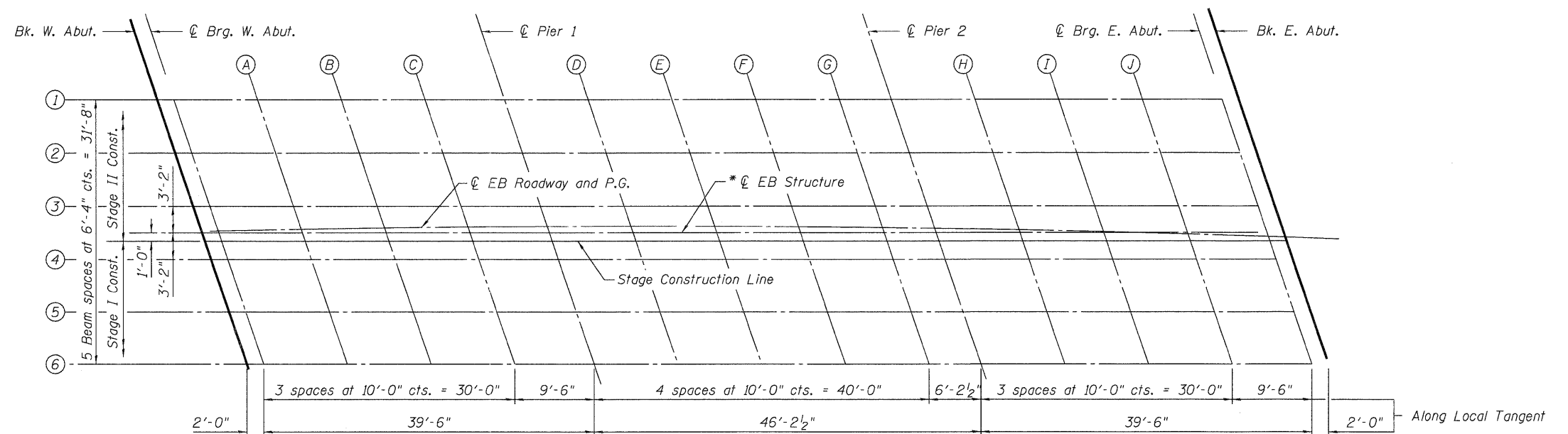
To determine "t": After all structural steel has been erected, elevations of the top flanges of the beams shall be taken at intervals shown below. These elevations subtracted from the "Theoretical Grade Elevations Adjusted for Dead Load Deflection" shown on sheets 7 thru 10 of 28, minus slab thickness, equals the fillet heights "t" above top flange of beams.

FILLET HEIGHTS



WB PLAN
(SN 043-0003)

* See sheet 2 of 28 for location of EB and WB structures relative to their Local Tangents.



EB PLAN
(SN 043-0002)

USER NAME = dheberling	DESIGNED - RJN/BRD	REVISED -
FILE NAME = 0430002&3-64C94.dgn	CHECKED - SBC	REVISED -
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ELEVATION LOCATION PLAN
STRUCTURE NO. 043-0002 & 043-0003

SHEET NO. 6 OF 28 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	(43B, 44B, 44HB, 45BD)	JO DAVIESS	309	91
CONTRACT NO. 64C94				
ILLINOIS FED. AID PROJECT				

☉ BEAM 1

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut.	225+21.93	-15.79	615.09	615.09
☉ Brg. W. Abut.	225+23.91	-15.74	615.06	615.06
A	225+33.84	-15.52	614.93	614.94
B	225+43.77	-15.34	614.80	614.82
C	225+53.55	-15.21	614.67	614.68
☉ Pier 1	225+63.14	-15.12	614.56	614.56
D	225+73.07	-15.07	614.44	614.45
E	225+83.01	-15.06	614.33	614.35
F	225+92.94	-15.10	614.23	614.24
G	226+02.87	-15.19	614.12	614.13
☉ Pier 2	226+09.04	-15.26	614.06	614.06
H	226+18.97	-15.42	613.97	613.98
I	226+28.90	-15.61	613.88	613.90
J	226+38.83	-15.86	613.80	613.82
☉ Brg. E. Abut.	226+48.26	-16.13	613.73	613.73
Bk. E. Abut.	226+50.24	-16.19	613.71	613.71

☉ BEAM 2

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut.	225+23.90	-9.41	614.78	614.78
☉ Brg. W. Abut.	225+25.89	-9.36	614.75	614.75
A	225+35.85	-9.15	614.62	614.63
B	225+45.80	-8.98	614.49	614.51
C	225+55.76	-8.85	614.36	614.37
☉ Pier 1	225+65.23	-8.77	614.25	614.25
D	225+75.19	-8.73	614.13	614.14
E	225+85.15	-8.74	614.02	614.04
F	225+95.11	-8.78	613.92	613.93
G	226+05.07	-8.88	613.82	613.82
☉ Pier 2	226+11.25	-8.96	613.76	613.76
H	226+21.21	-9.12	613.67	613.68
I	226+31.17	-9.33	613.58	613.60
J	226+41.12	-9.58	613.50	613.51
☉ Brg. E. Abut.	226+50.58	-9.86	613.42	613.42
Bk. E. Abut.	226+52.57	-9.93	613.41	613.41

☉ BEAM 3

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut.	225+25.88	-3.03	614.46	614.46
☉ Brg. W. Abut.	225+27.88	-2.98	614.44	614.44
A	225+37.86	-2.77	614.30	614.32
B	225+47.85	-2.61	614.18	614.19
C	225+57.84	-2.50	614.05	614.06
☉ Pier 1	225+67.32	-2.43	613.94	613.94
D	225+77.31	-2.40	613.82	613.83
E	225+87.30	-2.41	613.72	613.73
F	225+97.29	-2.47	613.61	613.62
G	226+07.28	-2.57	613.51	613.51
☉ Pier 2	226+13.48	-2.66	613.45	613.45
H	226+23.47	-2.83	613.36	613.37
I	226+33.45	-3.05	613.27	613.29
J	226+43.43	-3.31	613.19	613.21
☉ Brg. E. Abut.	226+52.91	-3.60	613.12	613.12
Bk. E. Abut.	226+54.91	-3.67	613.11	613.11

☉ EB ROADWAY AND P.G.

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut.	225+26.82	0.00	614.32	614.32
☉ Brg. W. Abut.	225+28.81	0.00	614.29	614.29
A	225+38.74	0.00	614.17	614.18
B	225+48.69	0.00	614.05	614.07
C	225+58.65	0.00	613.93	613.94
☉ Pier 1	225+68.13	0.00	613.82	613.82
D	225+78.12	0.00	613.71	613.71
E	225+88.13	0.00	613.60	613.61
F	225+98.15	0.00	613.49	613.50
G	226+08.18	0.00	613.39	613.39
☉ Pier 2	226+14.42	0.00	613.32	613.32
H	226+24.49	0.00	613.22	613.23
I	226+34.56	0.00	613.13	613.15
J	226+44.66	0.00	613.03	613.05
☉ Brg. E. Abut.	226+54.26	0.00	612.95	612.95
Bk. E. Abut.	226+56.29	0.00	612.93	612.93

STAGE CONSTRUCTION LINE

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut.	225+27.19	1.17	614.26	614.26
☉ Brg. W. Abut.	225+29.19	1.22	614.23	614.23
A	225+39.19	1.42	614.10	614.12
B	225+49.20	1.57	613.97	613.99
C	225+59.20	1.68	613.85	613.86
☉ Pier 1	225+68.71	1.75	613.73	613.73
D	225+78.72	1.77	613.62	613.63
E	225+88.73	1.75	613.51	613.53
F	225+98.73	1.69	613.41	613.42
G	226+08.74	1.58	613.31	613.31
☉ Pier 2	226+14.95	1.49	613.25	613.25
H	226+24.96	1.31	613.16	613.17
I	226+34.96	1.08	613.07	613.09
J	226+44.96	0.81	612.99	613.01
☉ Brg. E. Abut.	226+54.46	0.52	612.92	612.92
Bk. E. Abut.	226+56.46	0.45	612.91	612.91

☉ BEAM 4

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut.	225+27.87	3.36	614.15	614.15
☉ Brg. W. Abut.	225+29.87	3.40	614.13	614.13
A	225+39.89	3.60	613.99	614.01
B	225+49.90	3.75	613.86	613.88
C	225+59.92	3.86	613.74	613.75
☉ Pier 1	225+69.43	3.92	613.63	613.63
D	225+79.45	3.94	613.52	613.52
E	225+89.47	3.92	613.41	613.42
F	225+99.49	3.85	613.30	613.32
G	226+09.50	3.74	613.20	613.21
☉ Pier 2	226+15.72	3.64	613.15	613.15
H	226+25.73	3.46	613.06	613.07
I	226+35.75	3.23	612.97	612.99
J	226+45.76	2.96	612.89	612.91
☉ Brg. E. Abut.	226+55.26	2.66	612.82	612.82
Bk. E. Abut.	226+57.26	2.59	612.80	612.80

☉ BEAM 5

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut.	225+29.87	9.74	613.84	613.84
☉ Brg. W. Abut.	225+31.88	9.78	613.81	613.81
A	225+41.92	9.97	613.68	613.70
B	225+51.97	10.11	613.55	613.57
C	225+62.01	10.21	613.43	613.44
☉ Pier 1	225+71.56	10.26	613.32	613.32
D	225+81.60	10.27	613.21	613.21
E	225+91.65	10.24	613.10	613.11
F	226+01.69	10.16	613.00	613.01
G	226+11.74	10.04	612.90	612.90
☉ Pier 2	226+17.97	9.94	612.84	612.84
H	226+28.01	9.75	612.75	612.76
I	226+38.05	9.51	612.67	612.69
J	226+48.09	9.22	612.59	612.60
☉ Brg. E. Abut.	226+57.62	8.91	612.52	612.52
Bk. E. Abut.	226+59.63	8.84	612.50	612.50

☉ BEAM 6

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut.	225+31.89	16.11	613.53	613.53
☉ Brg. W. Abut.	225+33.90	16.15	613.50	613.50
A	225+43.97	16.33	613.37	613.39
B	225+54.05	16.47	613.24	613.26
C	225+64.12	16.56	613.12	613.13
☉ Pier 1	225+73.69	16.60	613.01	613.01
D	225+83.76	16.60	612.90	612.90
E	225+93.84	16.56	612.79	612.81
F	226+03.91	16.47	612.69	612.70
G	226+13.98	16.34	612.59	612.59
☉ Pier 2	226+20.24	16.23	612.53	612.53
H	226+30.31	16.03	612.45	612.46
I	226+40.38	15.78	612.36	612.38
J	226+50.44	15.49	612.28	612.30
☉ Brg. E. Abut.	226+60.00	15.17	612.21	612.21
Bk. E. Abut.	226+62.01	15.09	612.20	612.20

USER NAME = dheberling	DESIGNED - R/JN/BRD	REVISED -
FILE NAME = 0430002&3-64C94.dgn	CHECKED - SBC	REVISED -
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ELEVATION LOCATION PLAN
STRUCTURE NO. 043-0002

SHEET NO. 8 OF 28 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	(43B, 44B, 44HB, 45BD)	JO DAVIESS	309	93
CONTRACT NO. 64C94			ILLINOIS FED. AID PROJECT	

☉ BEAM 1

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut.	224+61.80	-17.04	616.04	616.04
☉ Brg. W. Abut.	224+63.79	-16.97	616.00	616.00
AA	224+73.71	-16.62	615.80	615.82
BB	224+83.64	-16.32	615.61	615.63
CC	224+93.56	-16.07	615.43	615.44
☉ Pier 1	225+03.00	-15.86	615.26	615.26
DD	225+12.93	-15.69	615.09	615.10
EE	225+22.86	-15.56	614.93	614.95
FF	225+32.79	-15.48	614.78	614.80
GG	225+42.72	-15.43	614.64	614.64
☉ Pier 2	225+48.89	-15.43	614.56	614.56
HH	225+58.82	-15.45	614.43	614.44
II	225+68.76	-15.52	614.31	614.33
JJ	225+78.69	-15.64	614.19	614.21
☉ Brg. E. Abut.	225+88.12	-15.78	614.09	614.09
Bk. E. Abut.	225+90.11	-15.82	614.07	614.07

☉ BEAM 2

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut.	224+63.70	-10.63	615.71	615.71
☉ Brg. W. Abut.	224+65.69	-10.56	615.67	615.67
AA	224+75.64	-10.23	615.48	615.49
BB	224+85.59	-9.93	615.29	615.31
CC	224+95.54	-9.69	615.11	615.11
☉ Pier 1	225+05.00	-9.49	614.94	614.94
DD	225+14.96	-9.33	614.77	614.78
EE	225+24.92	-9.21	614.62	614.63
FF	225+34.88	-9.13	614.47	614.48
GG	225+44.84	-9.09	614.33	614.33
☉ Pier 2	225+51.03	-9.10	614.24	614.24
HH	225+60.99	-9.13	614.11	614.12
II	225+70.95	-9.21	613.99	614.01
JJ	225+80.91	-9.33	613.88	613.90
☉ Brg. E. Abut.	225+90.36	-9.49	613.78	613.78
Bk. E. Abut.	225+92.36	-9.53	613.76	613.76

☉ BEAM 3

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut.	224+65.60	-4.23	615.39	615.39
☉ Brg. W. Abut.	224+67.60	-4.15	615.35	615.35
AA	224+77.58	-3.83	615.15	615.17
BB	224+87.56	-3.55	614.97	614.98
CC	224+97.54	-3.31	614.78	614.79
☉ Pier 1	225+07.02	-3.12	614.62	614.62
DD	225+17.01	-2.96	614.46	614.46
EE	225+26.99	-2.85	614.30	614.31
FF	225+36.98	-2.78	614.15	614.16
GG	225+46.97	-2.76	614.01	614.01
☉ Pier 2	225+53.17	-2.77	613.93	613.93
HH	225+63.16	-2.81	613.80	613.81
II	225+73.15	-2.90	613.68	613.70
JJ	225+83.13	-3.03	613.57	613.59
☉ Brg. E. Abut.	225+92.62	-3.20	613.48	613.48
Bk. E. Abut.	225+94.61	-3.24	613.46	613.46

☉ WB ROADWAY AND P.G.

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut.	224+66.86	0.00	615.18	615.18
☉ Brg. W. Abut.	224+68.84	0.00	615.14	615.14
AA	224+78.74	0.00	614.96	614.98
BB	224+88.65	0.00	614.79	614.81
CC	224+98.58	0.00	614.62	614.63
☉ Pier 1	225+08.02	0.00	614.46	614.46
DD	225+17.97	0.00	614.31	614.31
EE	225+27.93	0.00	614.16	614.17
FF	225+37.91	0.00	614.01	614.03
GG	225+47.90	0.00	613.88	613.88
☉ Pier 2	225+54.11	0.00	613.79	613.79
HH	225+64.13	0.00	613.66	613.67
II	225+74.16	0.00	613.54	613.56
JJ	225+84.21	0.00	613.43	613.44
☉ Brg. E. Abut.	225+93.77	0.00	613.32	613.32
Bk. E. Abut.	225+95.78	0.00	613.30	613.30

STAGE CONSTRUCTION LINE

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut.	224+66.86	-0.01	615.18	615.18
☉ Brg. W. Abut.	224+68.86	0.06	615.14	615.14
AA	224+78.86	0.38	614.94	614.96
BB	224+88.85	0.66	614.75	614.77
CC	224+98.85	0.89	614.57	614.58
☉ Pier 1	225+08.36	1.07	614.41	614.41
DD	225+18.36	1.22	614.25	614.25
EE	225+28.37	1.33	614.09	614.11
FF	225+38.37	1.39	613.94	613.96
GG	225+48.38	1.41	613.81	613.81
☉ Pier 2	225+54.59	1.40	613.72	613.72
HH	225+64.60	1.35	613.60	613.61
II	225+74.60	1.25	613.48	613.50
JJ	225+84.60	1.11	613.37	613.39
☉ Brg. E. Abut.	225+94.11	0.94	613.27	613.27
Bk. E. Abut.	225+96.11	0.90	613.26	613.26

☉ BEAM 4

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut.	224+67.52	2.18	615.07	615.07
☉ Brg. W. Abut.	224+69.52	2.25	615.03	615.03
AA	224+79.52	2.57	614.83	614.85
BB	224+89.53	2.84	614.64	614.66
CC	224+99.54	3.07	614.46	614.47
☉ Pier 1	225+09.05	3.25	614.30	614.30
DD	225+19.07	3.40	614.14	614.14
EE	225+29.08	3.50	613.98	614.00
FF	225+39.10	3.56	613.84	613.85
GG	225+49.11	3.57	613.70	613.70
☉ Pier 2	225+55.33	3.56	613.62	613.62
HH	225+65.34	3.51	613.49	613.50
II	225+75.36	3.41	613.37	613.39
JJ	225+85.37	3.27	613.27	613.28
☉ Brg. E. Abut.	225+94.88	3.09	613.17	613.17
Bk. E. Abut.	225+96.89	3.05	613.15	613.15

☉ BEAM 5

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut.	224+69.44	8.58	614.74	614.74
☉ Brg. W. Abut.	224+71.45	8.65	614.70	614.70
AA	224+81.48	8.96	614.51	614.53
BB	224+91.52	9.23	614.32	614.34
CC	225+01.56	9.45	614.14	614.15
☉ Pier 1	225+11.09	9.62	613.98	613.98
DD	225+21.14	9.76	613.82	613.83
EE	225+31.18	9.85	613.67	613.68
FF	225+41.22	9.90	613.52	613.53
GG	225+51.26	9.91	613.38	613.39
☉ Pier 2	225+57.50	9.89	613.30	613.30
HH	225+67.54	9.82	613.18	613.19
II	225+77.58	9.72	613.06	613.08
JJ	225+87.62	9.56	612.96	612.97
☉ Brg. E. Abut.	225+97.16	9.38	612.86	612.86
Bk. E. Abut.	225+99.17	9.34	612.84	612.84

BEAM 6

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut.	224+71.38	14.99	614.42	614.42
☉ Brg. W. Abut.	224+73.39	15.05	614.38	614.38
AA	224+83.45	15.35	614.19	614.20
BB	224+93.52	15.61	614.00	614.02
CC	225+03.58	15.82	613.82	613.83
☉ Pier 1	225+13.15	15.98	613.66	613.66
DD	225+23.22	16.11	613.50	613.51
EE	225+33.29	16.20	613.35	613.37
FF	225+43.36	16.24	613.21	613.22
GG	225+53.43	16.23	613.07	613.07
☉ Pier 2	225+59.68	16.21	612.99	612.99
HH	225+69.75	16.14	612.87	612.88
II	225+79.82	16.02	612.75	612.77
JJ	225+89.89	15.86	612.65	612.66
☉ Brg. E. Abut.	225+99.45	15.67	612.56	612.56
Bk. E. Abut.	226+01.46	15.62	612.53	612.54

INSIDE FACE OF NORTH PARAPET

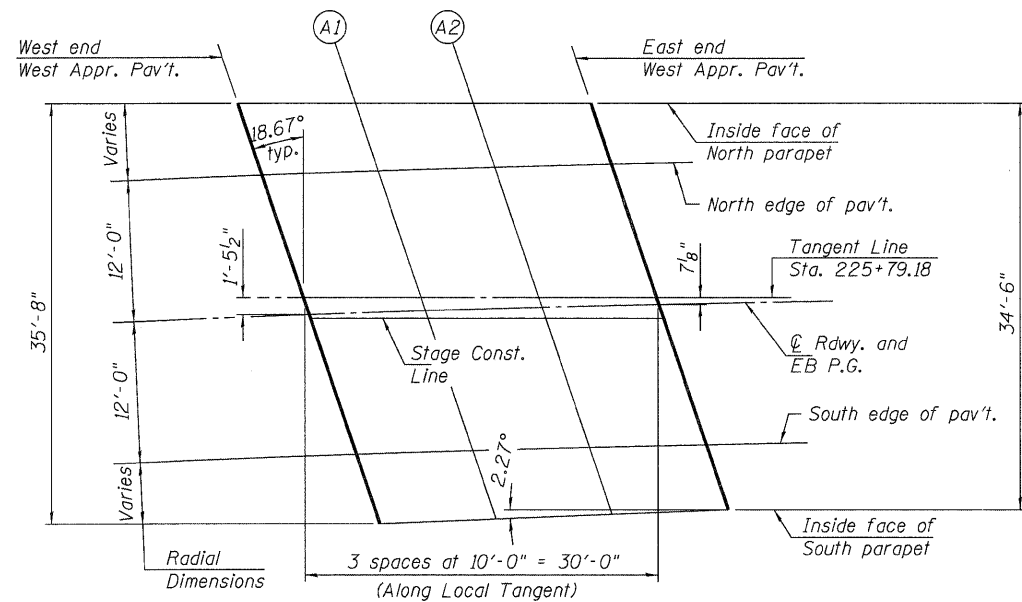
Location	Station	Offset	Theoretical Grade Elevations
W. end W. Appr. Pav't.	224+92.61	-18.15	615.54
A1	225+02.52	-17.79	615.43
A2	225+12.44	-17.47	615.29
E. end W. Appr. Pav't.	225+22.36	-17.20	615.15
W. end E. Appr. Pav't.	226+48.85	-17.56	613.78
A3	226+58.77	-17.89	613.71
A4	226+68.68	-18.27	613.64
E. end E. Appr. Pav't.	226+78.59	-18.69	613.58

NORTH EDGE OF PAVEMENT

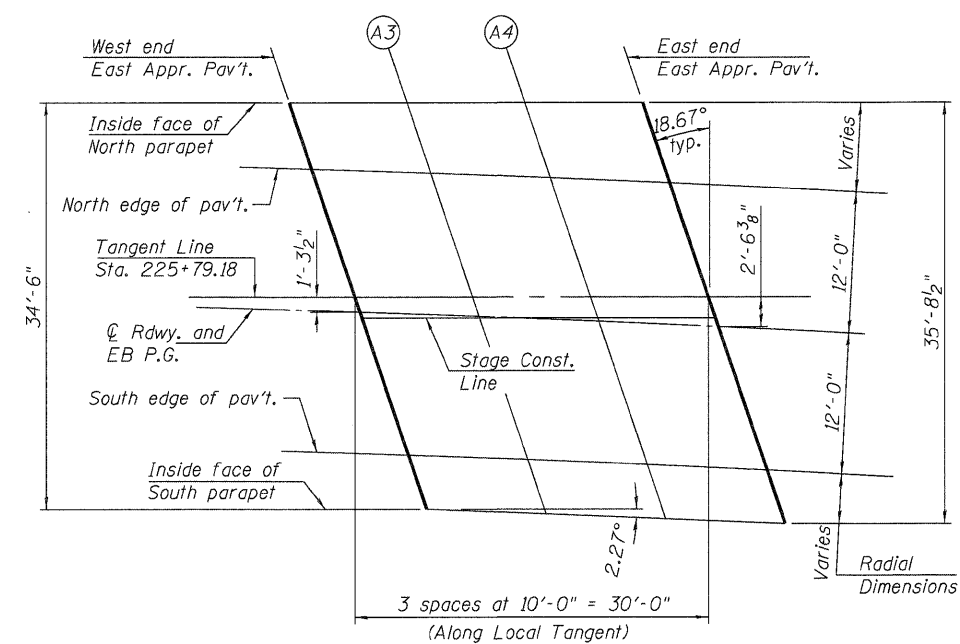
Location	Station	Offset	Theoretical Grade Elevations
W. end W. Appr. Pav't.	224+94.42	-12.00	615.26
A1	225+04.25	-12.00	615.15
A2	225+14.10	-12.00	615.02
E. end W. Appr. Pav't.	225+23.96	-12.00	614.89
W. end E. Appr. Pav't.	226+50.91	-12.00	613.52
A3	226+60.98	-12.00	613.43
A4	226+71.07	-12.00	613.34
E. end E. Appr. Pav't.	226+81.17	-12.00	613.26

☉ OF EB ROADWAY AND P.G.

Location	Station	Offset	Theoretical Grade Elevations
W. end W. Appr. Pav't.	224+97.98	0.00	614.69
A1	225+07.87	0.00	614.56
A2	225+17.77	0.00	614.43
E. end W. Appr. Pav't.	225+27.69	0.00	614.31
W. end E. Appr. Pav't.	226+55.40	0.00	612.94
A3	226+65.53	0.00	612.85
A4	226+75.68	0.00	612.76
E. end E. Appr. Pav't.	226+85.84	0.00	612.68



WEST APPROACH PLAN



EAST APPROACH PLAN

STAGE CONSTRUCTION LINE

Location	Station	Offset	Theoretical Grade Elevations
W. end W. Appr. Pav't.	224+98.07	0.31	614.68
A1	225+08.07	0.65	614.53
A2	225+18.06	0.94	614.39
E. end W. Appr. Pav't.	225+28.07	1.19	614.25
W. end E. Appr. Pav't.	226+55.58	0.48	612.91
A3	226+65.57	0.12	612.84
A4	226+75.56	-0.29	612.78
E. end E. Appr. Pav't.	226+85.55	-0.74	612.72

SOUTH EDGE OF PAVEMENT

Location	Station	Offset	Theoretical Grade Elevations
W. end W. Appr. Pav't.	225+01.57	12.00	614.10
A1	225+11.52	12.00	613.97
A2	225+21.49	12.00	613.84
E. end W. Appr. Pav't.	225+31.47	12.00	613.72
W. end E. Appr. Pav't.	226+59.94	12.00	612.36
A3	226+70.13	12.00	612.27
A4	226+80.34	12.00	612.18
E. end E. Appr. Pav't.	226+90.57	12.00	612.10

INSIDE FACE OF SOUTH PARAPET

Location	Station	Offset	Theoretical Grade Elevations
W. end W. Appr. Pav't.	225+03.37	17.93	613.81
A1	225+13.32	17.85	613.69
A2	225+23.27	17.73	613.56
E. end W. Appr. Pav't.	225+33.23	17.56	613.45
W. end E. Appr. Pav't.	226+61.66	16.52	612.14
A3	226+71.88	16.53	612.05
A4	226+82.10	16.49	611.97
E. end E. Appr. Pav't.	226+92.32	16.41	611.89

INSIDE FACE OF NORTH PARAPET

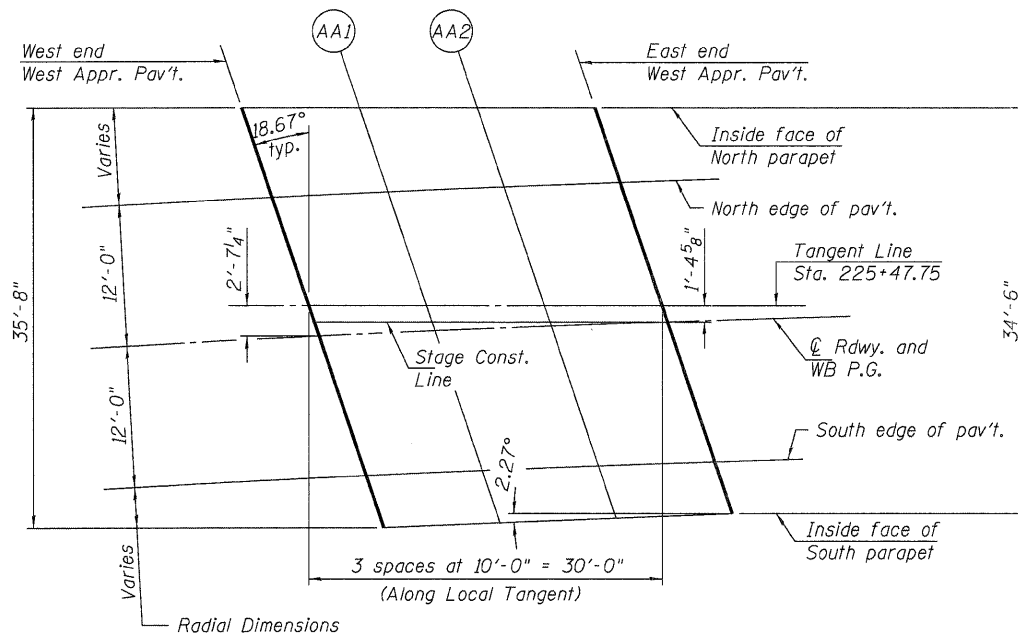
Location	Station	Offset	Theoretical Grade Elevations
W. end W. Appr. Pav't.	224+32.53	-19.75	616.63
AA1	224+42.43	-19.27	616.48
AA2	224+52.34	-18.83	616.30
E. end W. Appr. Pav't.	224+62.25	-18.44	616.09
W. end E. Appr. Pav't.	225+88.74	-17.21	614.15
AA3	225+98.66	-17.41	614.05
AA4	226+08.58	-17.65	613.96
E. end E. Appr. Pav't.	226+18.50	-17.94	613.88

NORTH EDGE OF PAVEMENT

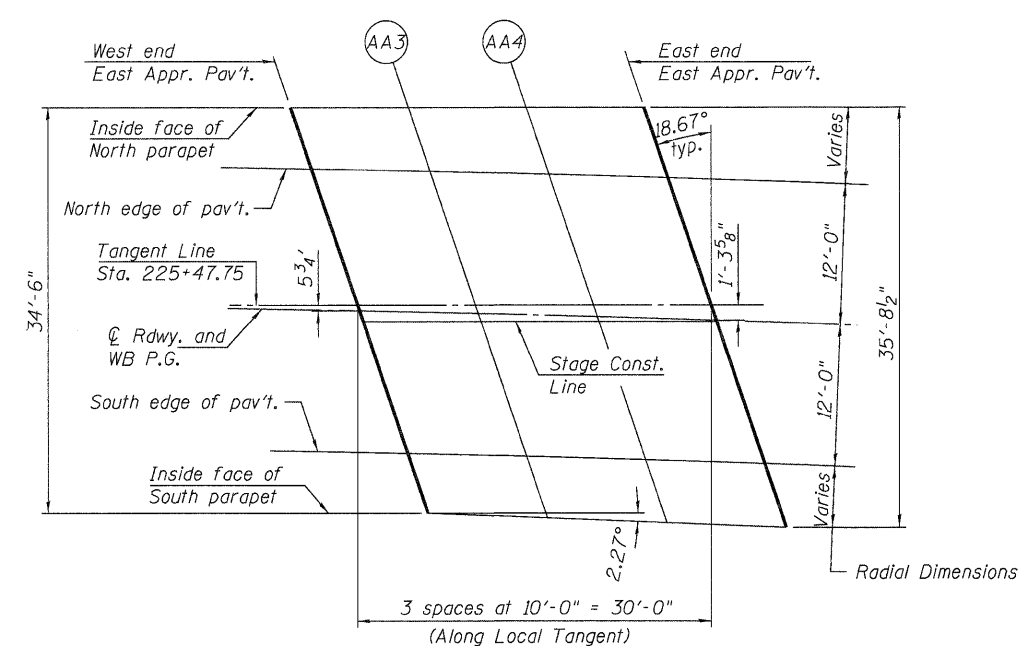
Location	Station	Offset	Theoretical Grade Elevations
W. end W. Appr. Pav't.	224+34.71	-12.00	616.29
AA1	224+44.51	-12.00	616.13
AA2	224+54.33	-12.00	615.95
E. end W. Appr. Pav't.	224+64.16	-12.00	615.77
W. end E. Appr. Pav't.	225+90.59	-12.00	613.90
AA3	226+00.61	-12.00	613.79
AA4	226+10.65	-12.00	613.69
E. end E. Appr. Pav't.	226+20.70	-12.00	613.60

☐ OF WB ROADWAY AND P.G.

Location	Station	Offset	Theoretical Grade Elevations
W. end W. Appr. Pav't.	224+38.12	0.00	615.74
AA1	224+47.98	0.00	615.54
AA2	224+57.85	0.00	615.35
E. end W. Appr. Pav't.	224+67.73	0.00	615.16
W. end E. Appr. Pav't.	225+94.90	0.00	613.31
AA3	226+04.97	0.00	613.21
AA4	226+15.07	0.00	613.11
E. end E. Appr. Pav't.	226+25.18	0.00	613.02



WEST APPROACH PLAN



EAST APPROACH PLAN

STAGE CONSTRUCTION LINE

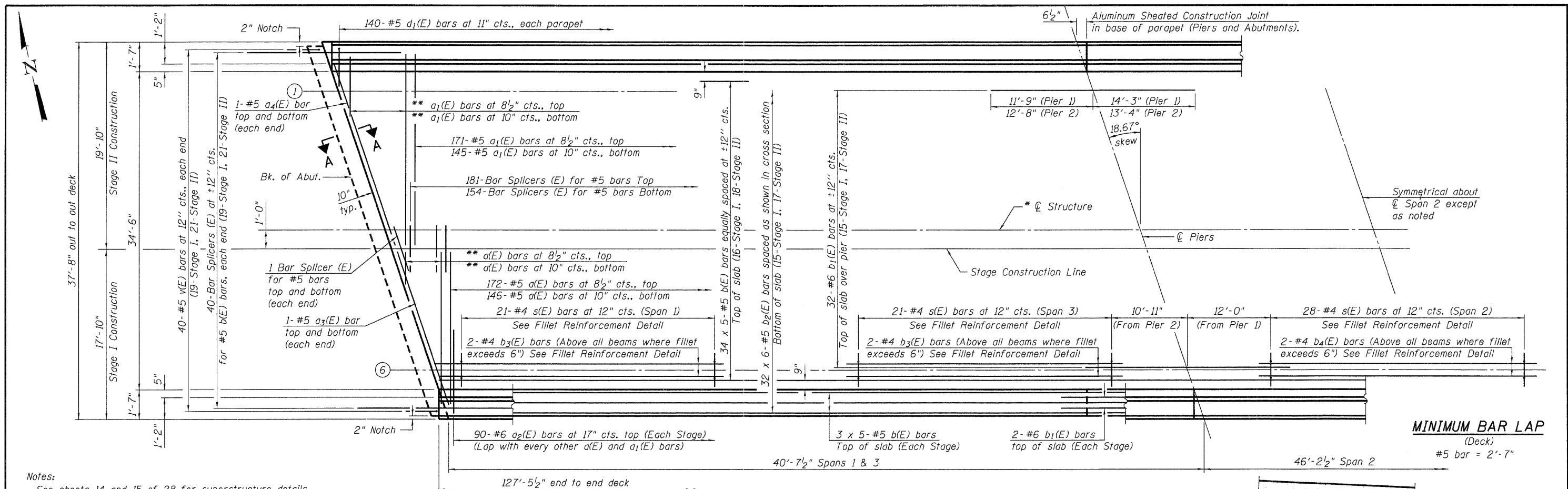
Location	Station	Offset	Theoretical Grade Elevations
W. end W. Appr. Pav't.	224+37.77	-1.22	615.80
AA1	224+47.76	-0.76	615.58
AA2	224+57.75	-0.35	615.36
E. end W. Appr. Pav't.	224+67.74	0.02	615.16
W. end E. Appr. Pav't.	225+95.23	0.92	613.26
AA3	226+05.23	0.69	613.17
AA4	226+15.23	0.42	613.09
E. end E. Appr. Pav't.	226+25.22	0.11	613.01

SOUTH EDGE OF PAVEMENT

Location	Station	Offset	Theoretical Grade Elevations
W. end W. Appr. Pav't.	224+41.57	12.00	615.15
AA1	224+51.48	12.00	614.93
AA2	224+61.41	12.00	614.74
E. end W. Appr. Pav't.	224+71.35	12.00	614.55
W. end E. Appr. Pav't.	225+99.25	12.00	612.72
AA3	226+09.39	12.00	612.62
AA4	226+19.54	12.00	612.53
E. end E. Appr. Pav't.	226+29.72	12.00	612.44

INSIDE FACE OF SOUTH PARAPET

Location	Station	Offset	Theoretical Grade Elevations
W. end W. Appr. Pav't.	224+42.86	16.46	614.93
AA1	224+52.80	16.50	614.70
AA2	224+62.75	16.49	614.51
E. end W. Appr. Pav't.	224+72.70	16.45	614.33
W. end E. Appr. Pav't.	226+01.09	17.05	612.48
AA3	226+11.31	17.19	612.37
AA4	226+21.53	17.29	612.27
E. end E. Appr. Pav't.	226+31.75	17.35	612.18



Notes:
 See sheets 14 and 15 of 28 for superstructure details.
 See sheet 15 of 28 for superstructure Bill of Materials.
 See sheet 15 of 28 for parapet reinforcement.
 Bars indicated thus 32 x 6-#5 etc. indicates 32 lines of bars with 6 lengths per line.
 * See sheet 2 of 28 for location of \bar{C} EB and WB Structures relative to their Local Tangents.

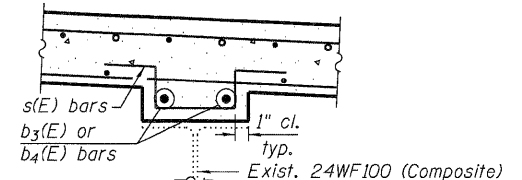
Stage I
 ** Order an additional 17 a(E) bars full length, space bars at 8 1/2" cts. top and 10" cts. bottom. Cut to fit skew and use remainder of bars in opposite end.

Stage II
 ** Order an additional 19 a1(E) bars full length, space bars at 8 1/2" cts. top and 10" cts. bottom. Cut to fit skew and use remainder of bars in opposite end.

PARTIAL PLAN

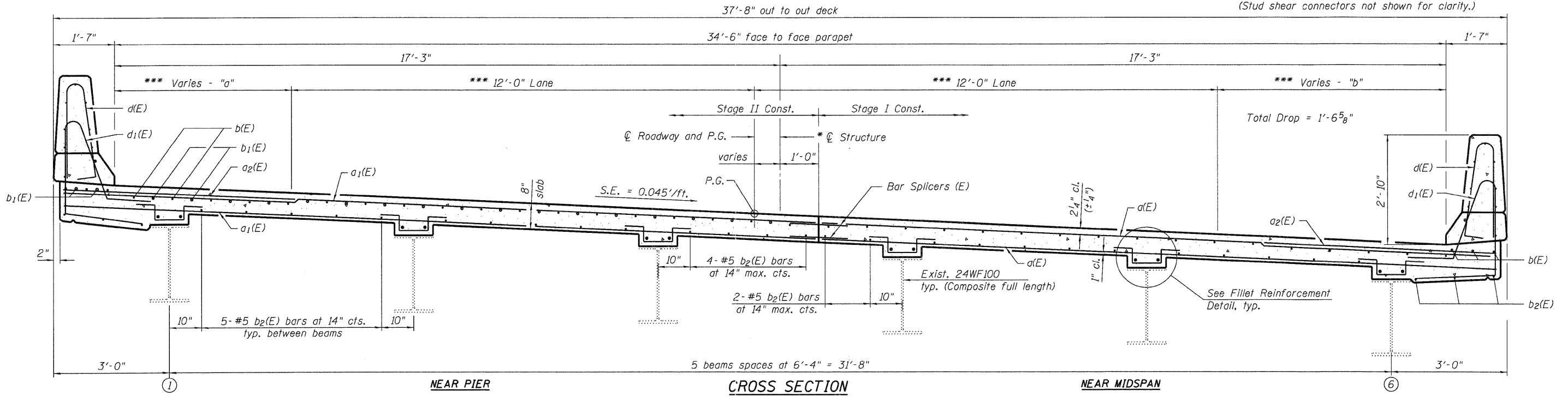
SHOULDER WIDTHS

	"a"		"b"	
	Min.	Max.	Min.	Max.
043-0002	4'-5 3/4"	5'-6 3/4"	4'-6 1/4"	6'-0 1/4"
043-0003	4'-10 1/8"	6'-5 1/4"	4'-5 3/8"	5'-7 7/8"



FILLET REINFORCEMENT DETAIL

(Structure No. 043-0003 only where fillet exceeds 6" at beams 1-6.)
 (Stud shear connectors not shown for clarity.)



CROSS SECTION
 (Looking East)

*** Designates radial dimensions normal to \bar{C} Roadway and P.G.

USER NAME = dheberling	DESIGNED - R.JN/BRD	REVISED -
FILE NAME = 043002283-64C94.dgn	CHECKED - SBC	REVISED -
PLOT DATE = 12/6/2011	DRAWN - DLH	REVISED -
PLOT TIME = 10:02:40 AM	CHECKED - SBC	REVISED -

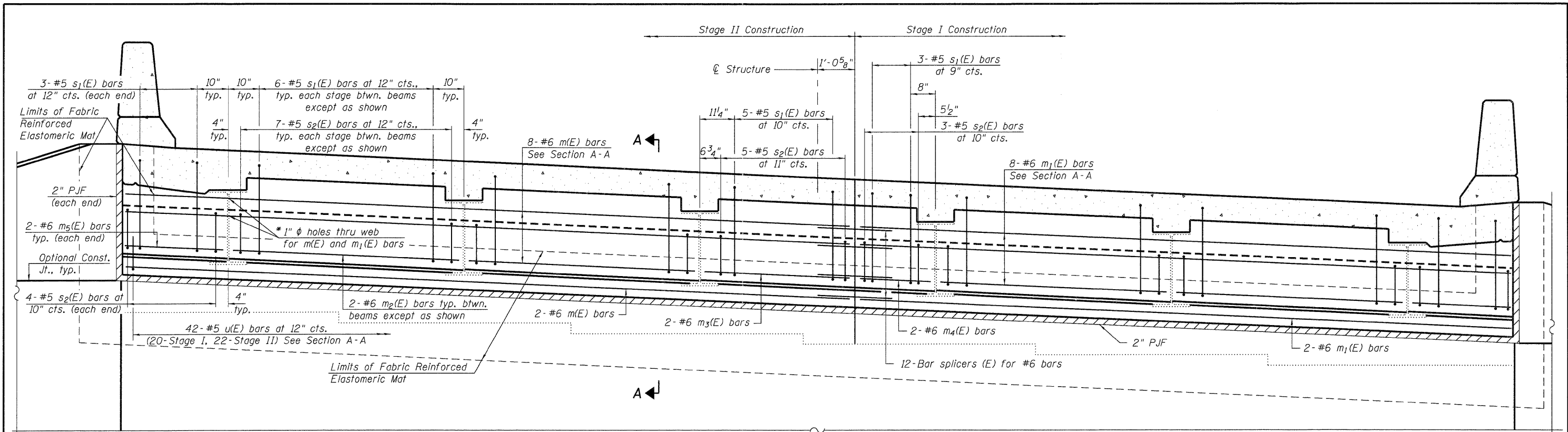
WHKS & CO.
 ENGINEERING
 7018 KINGSMILL CT.,
 SPRINGFIELD, IL
 (217) 483-9457
 DESIGN FIRM #184001036

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE
STRUCTURE NO. 043-0002 & 043-0003

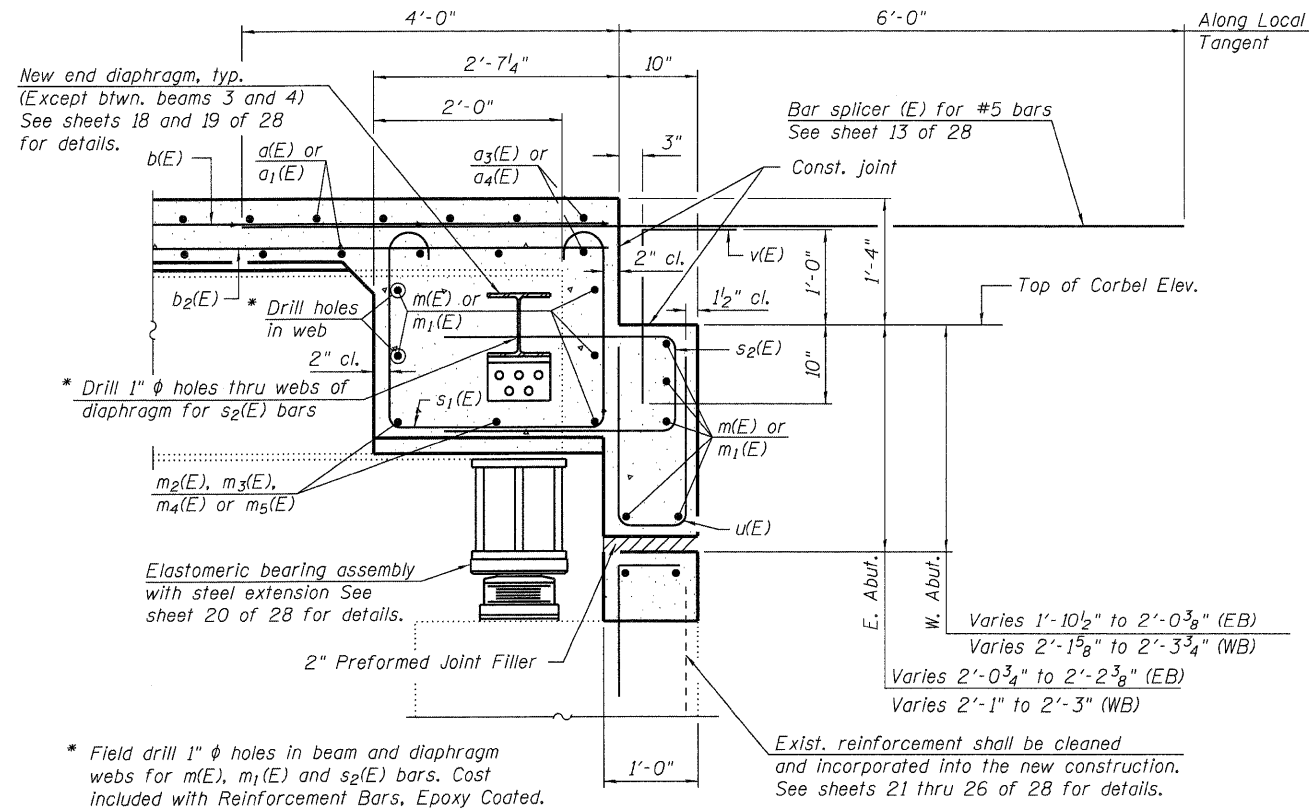
SHEET NO. 13 OF 28 SHEETS

F.A.P. RTE. 301	SECTION (43B, 44B, 44HB, 45B)D	COUNTY JO DAVIESS	TOTAL SHEETS 309	SHEET NO. 98
CONTRACT NO. 64C94			ILLINOIS FED. AID PROJECT	



DIAPHRAGM ELEVATION AT EAST ABUTMENTS

(Looking East)
(West abutment similar by rotation of 180°)



SECTION A-A

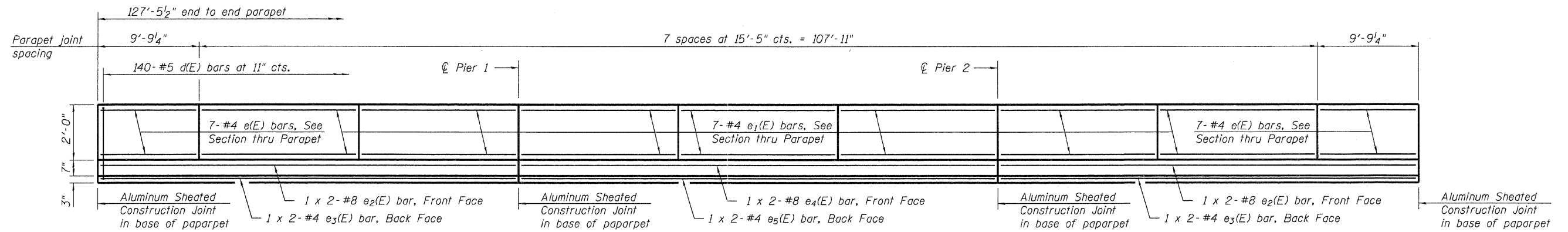
(Dimensions are at right angles to Abutment, except as noted.)

TOP OF CORBEL ELEVATIONS

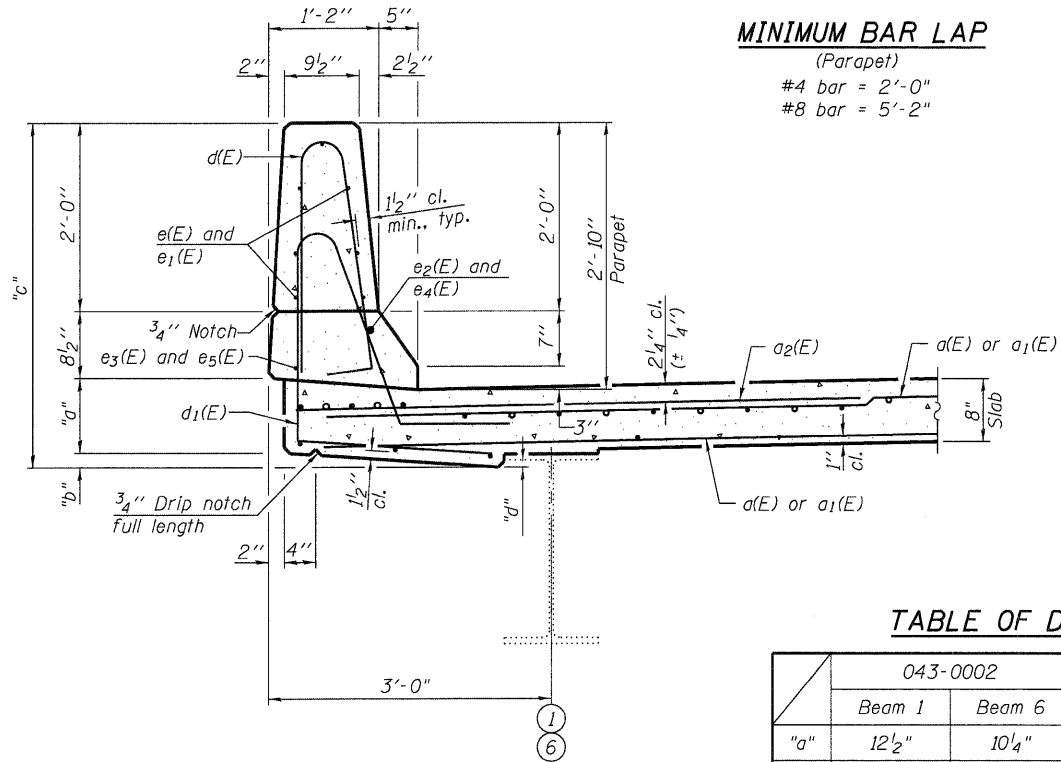
Structure #	Abutment	Location	Corbel Elevation
043-0002	West Abut.	Inside Face of N. Parapet	613.81
		Inside Face of S. Parapet	612.11
	East Abut.	Inside Face of N. Parapet	612.45
		Inside Face of S. Parapet	610.80
043-0003	West Abut.	Inside Face of N. Parapet	614.76
		Inside Face of S. Parapet	613.00
	East Abut.	Inside Face of N. Parapet	612.82
		Inside Face of S. Parapet	611.14

Notes:

Reinforcement bars in diaphragm are billed with superstructure on sheet 15 of 28.
Concrete in diaphragm is included with Concrete Superstructure on sheet 15 of 28.
For details of bars s₁(E) & s₂(E), see sheet 15 of 28.
Work this sheet with sheets 13 thru 15 of 28.



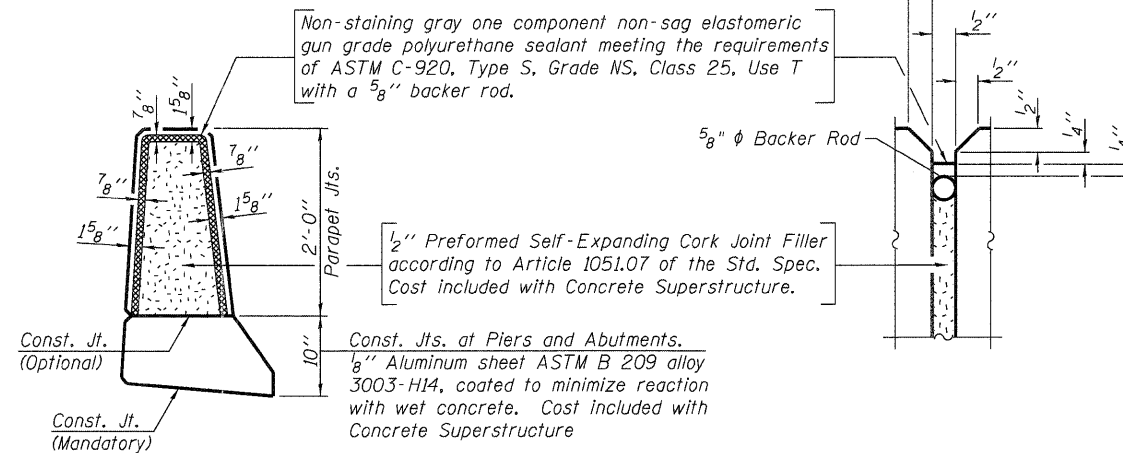
INSIDE ELEVATION OF PARAPET



SECTION THRU PARAPET

MINIMUM BAR LAP

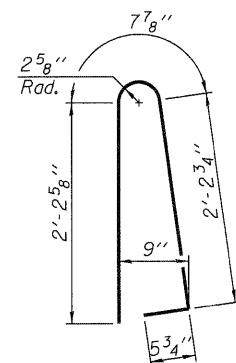
(Parapet)
 #4 bar = 2'-0"
 #8 bar = 5'-2"



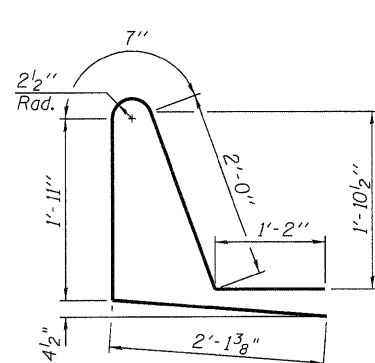
PARAPET JOINT DETAILS

TABLE OF DIMENSIONS

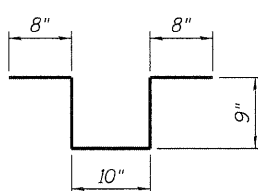
	043-0002		043-0003	
	Beam 1	Beam 6	Beam 1	Beam 6
"a"	12 1/2"	10 1/4"	14 1/8"	11 7/8"
"b"	5"	5"	5"	5"
"c"	4'-2"	3'-11 3/4"	4'-3 5/8"	4'-1 3/8"
"d"	1/4" - 4 5/8"	1/4" - 5 1/4"	1/4" - 5 1/4"	1/4" - 7 1/4"



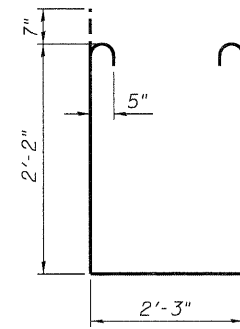
BAR d(E)



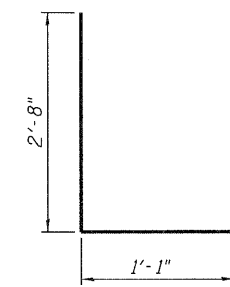
BAR d1(E)



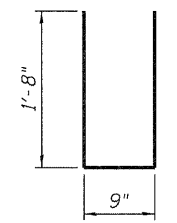
BAR s(E)



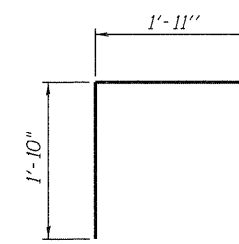
BAR s1(E)



BAR s2(E)



BAR u(E)



BAR v(E)

**TWO SUPERSTRUCTURES
BILL OF MATERIAL**

Bar	No.	Size	Length	Shape
a(E)	670	#5	17'-5"	—
a1(E)	670	#5	19'-5"	—
a2(E)	360	#6	6'-6"	—
a3(E)	8	#5	18'-4"	—
a4(E)	8	#5	20'-6"	—
b(E)	400	#5	27'-6"	—
b1(E)	144	#6	26'-0"	—
b2(E)	384	#5	23'-5"	—
b3(E)	24	#4	23'-0"	—
b4(E)	12	#4	30'-0"	—
d(E)	560	#5	5'-7"	U
d1(E)	560	#5	7'-10"	U
e(E)	56	#4	9'-6"	—
e1(E)	196	#4	15'-2"	—
e2(E)	16	#8	22'-9"	—
e3(E)	16	#4	21'-2"	—
e4(E)	8	#8	25'-7"	—
e5(E)	8	#4	24'-0"	—
m(E)	40	#6	20'-6"	—
m1(E)	40	#6	18'-4"	—
m2(E)	32	#6	6'-5"	—
m3(E)	8	#6	4'-1"	—
m4(E)	8	#6	2'-0"	—
m5(E)	16	#6	2'-8"	—
s(E)	420	#4	3'-8"	U
s1(E)	152	#5	7'-9"	U
s2(E)	176	#5	6'-5"	U
u(E)	168	#5	4'-1"	C
v(E)	160	#5	3'-9"	L
Concrete Superstructure		Cu. Yd.		378.4
Reinforcement Bars, Epoxy Coated		Pound		76,270

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