F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
517	(1-2)M & TS	BOONE	74	1
	ILLINOIS	CONTRACT NO. 64A09		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PROPOSED
HIGHWAY PLANS

FAP ROUTE 517 (US BR 20)
SECTION (1-2)M & TS
PROJECT ACHSIP-0517(057)
BOONE COUNTY

C-92-026-10

FOR INDEX OF SHEETS, SEE SHEET NO. 2
FOR LIST OF STATE STANDARDS, SEE SHEET NO. 2

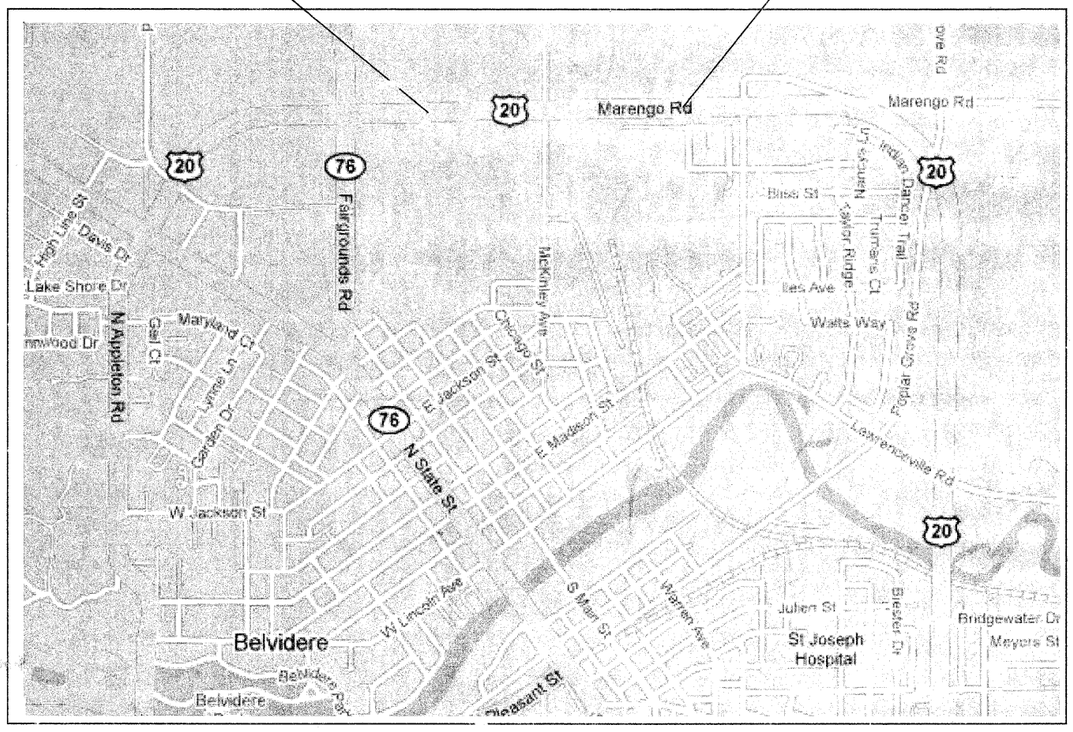
BELVIDERE TOWNSHIP SECTIONS, 23 & 24

SECTION BEGINS
STA 261+21.5

SECTION ENDS
STA 302+29.6

R 3E

T 44N



D-92-057-04

LOCATION OF SECTION INDICATED THUS: –

100'	200'	300'	— 1" = 100'
0 10'	20'	30'	— 1" = 10'
0 50'	100'		— 1" = 50'
0 50'	100'		— 1" = 40'
0 50'	100'		— 1" = 30'
0 50'	100'		— 1" = 20'

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

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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED Jan. 21, 20 10
Gary F. Ryan
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER
March 19, 20 10
Scott E. Stitt P.E. /RD
acting ENGINEER OF DESIGN AND ENVIRONMENT
March 19, 20 10
Christine M. Reed /RD
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

PROJECT ENGINEER: MASOOD AHMAD
SENIOR SQUAD LEADER: SAM ABDULLAH (815) 284-5935
SQUAD LEADER: DAVID DOSS (815) 284-5516
CONTRACT NO. 64A09

GROSS LENGTH = 4108.10 FT. = 0.78 MILE
NET LENGTH = 4108.10 FT. = 0.78 MILE

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

INDEX OF SHEETS

STATE STANDARDS

000001-05	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
280001-05	TEMPORARY EROSION CONTROL SYSTEMS
420001-07	PAVEMENT JOINTS
420701-02	PAVEMENT FABRIC
442101-07	CLASS B PATCHES
482011-03	HMA SHOULDER STRIPS/SHOULDERS WITH RESURFACING OR WIDENING AND RESURFACING PROJECTS
601001-03	SUB SURFACE DRAINS
601101-01	CONCRETE HEADWALL FOR PIPE DRAINS
642001-01	SHOULDER RUMBLE STRIPS
701006-03	TYPICAL APPLICATION OF TRAFFIC CONTROL STANDARDS
701011-02	TYPICAL APPLICATION OF TRAFFIC CONTROL STANDARDS
701301-03	TYPICAL APPLICATION OF TRAFFIC CONTROL STANDARDS
701311-03	TYPICAL APPLICATION OF TRAFFIC CONTROL STANDARDS
701326-03	TYPICAL APPLICATION OF TRAFFIC CONTROL STANDARDS
701501-05	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701502-03	URBAN LANE CLOSURE, 2L, 2W WITH BIDIRECTIONAL LEFT TURN LANE
701606-06	URBAN LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
701331-03	TYPICAL APPLICATION OF TRAFFIC CONTROL STANDARDS
701701-06	TYPICAL APPLICATION OF TRAFFIC CONTROL STANDARDS
701901-01	TRAFFIC CONTROL DEVICES
720006-02	SIGN PANEL ERECTION DETAILS
720011-01	METAL POSTS FOR SIGNS, MARKERS AND DELINEATORS
720016-02	MAST ARM MOUNTED STREET NAME SIGNS
728001-01	TELESCOPING STEEL SIGN SUPPORT
729001-01	APPLICATIONS OF TYPES A & B METAL POSTS (FOR SIGNS AND MARKERS)
780001-02	TYPICAL PAVEMENT MARKINGS
781001-03	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
805001-01	ELECTRICAL SERVICE INSTALLATION DETAILS
857001-01	STANDARD PHASE DESIGNATION DIAGRAMS AND PHASE SEQUENCES
862001-01	UNINTERRUPTABLE POWER SUPPLY (UPS)
873001-02	TRAFFIC SIGNAL GROUNDING & BONDING
877011-04	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 16' THROUGH 55'
878001-03	CONCRETE FOUNDATION DETAILS
880006-01	TRAFFIC SIGNAL MOUNTING DETAILS
886001-01	DETECTOR LOOP INSTALLATIONS
886006-01	TYPICAL LAYOUTS FOR DETECTION LOOPS

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US BR 20
INDEX OF SHEETS & STATE STANDARDS

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
517	(1-2)M & TS	BOONE	74	2
		CONTRACT NO. 64A09		
	ILLINOIS FED. AID PROJECT			

	CODE NUMBER	ITEM	UNIT	URBAN TOTAL QUANTITY	AC HSIP I000-1A 90% FED / 10% STATE ROADWAY	AC HSIP Y031-1F 90 % FED / 5% STATE / 5% TOWNSHIP TRAFFIC SIGNALS
	20200100	EARTH EXCAVATION	CU YD	3,484	3,484	
	20400800	FURNISHED EXCAVATION	CU YD	1,546	1,546	
	21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	10,122	10,122	
	25000210	SEEDING, CLASS 2A	ACRE	2.25	2.25	
:)	25000750	MOWING	ACRE	2.25	2.25	
	25100115	MULCH, METHOD 2	ACRE	1.00	1.00	
	25100630	EROSION CONTROL BLANKET	SQ YD	5,552	5,552	
	28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	1,255	1,255	
	28000400	PERIMETER EROSION BARRIER	FOOT	2,100	2,100	
	28000500	INLET AND PIPE PROTECTION	EACH	3	3	
	31100910	SUB-BASE GRANULAR MATERIAL, TYPE A 12"	SQ YD	5,839	5,839	
	35101400	AGGREGATE BASE COURSE, TYPE B	TON	2,305	2,305	
	40600200	BITUMINOUS MATERIALS (PRIME COAT)	TON	15.8	15.8	
	40600300	AGGREGATE (PRIME COAT)	TON	36	36	
	40600735	POLYMERIZED LEVELING BINDER (HAND METHOD), N70	TON	7	7	
	40600837	POLYMERIZED LEVELING BINDER (MACHINE METHOD), N70	TON	1,321	1,321	
	40600895	CONSTRUCTING TEST STRIP	EACH	1	1	
	40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	71	71	
	40600985	PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT	SQ YD	278	278	
	40600990	TEMPORARY RAMP	SQ YD	315	315	
	40603085	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	TON	3,013	3,013	

* SPECIALTY ITEMS

:) NON PARTICIPATING 100% STATE

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US BR 20
SUMMARY OF QUANTITIES

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
517	(1-2)M & TS	BOONE	74	3
		CONTRACT NO. 64A09		
	ILLINOIS	FED. AID PROJECT		

			URBAN	ACHSIP I000-1A	ACHSIP Y031-1F
CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY	90% FED / 10% STATE	90 % FED / 5% STATE / 5% TOWNSHIP
				ROADWAY	TRAFFIC SIGNALS
40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	1,079	1,079	
40603540	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	1,585	1,585	
42001200	PAVEMENT FABRIC	SQ YD	359	359	
44000100	PAVEMENT REMOVAL	SQ YD	111	111	
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SQ YD	665	665	
44000159	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"	SQ YD	2,404	2,404	
44004250	PAVED SHOULDER REMOVAL	SQ YD	2,824	2,824	
44200970	CLASS B PATCHES, TYPE II, 10 INCH	SQ YD	744	744	
44200974	CLASS B PATCHES, TYPE III, 10 INCH	SQ YD	20	20	
44200976	CLASS B PATCHES, TYPE IV, 10 INCH	SQ YD	339	339	
44213200	SAW CUTS	FOOT	5,457	5,457	
48203019	HOT-MIX ASPHALT SHOULDERS, 5 1/2"	SQ YD	7,003	7,003	
48203029	HOT-MIX ASPHALT SHOULDERS, 8"	SQ YD	169	169	
60100060	CONCRETE HEADWALL FOR PIPE DRAINS	EACH	12	12	
60107600	PIPE UNDERDRAINS 4"	FOOT	5,940	5,940	
60108100	PIPE UNDERDRAINS 4" (SPECIAL)	FOOT	398	398	
64200105	SHOULDER RUMBLE STRIP	FOOT	6,916	6,916	
66700305	PERMANENT SURVEY MARKERS, TYPE II	EACH	2	2	
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	7	7	
67100100	MOBILIZATION	L SUM	1	1	
70100200	TRAFFIC CONTROL AND PROTECTION, STANDARD 701331	EACH	2	2	

* SPECIALTY ITEMS

:) NON PARTICIPATING 100% STATE

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US BR 20
SUMMARY OF QUANTITIES

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
517	(1-2)M & TS	BOONE	74	4
		CONTRACT NO. 64A09		
	ILLINOIS	FED. AID PROJECT		

	CODE NUMBER	ITEM	UNIT	URBAN TOTAL QUANTITY	ACHSIP I000-1A 90% FED / 10% STATE ROADWAY	ACHSIP Y031-1F 90 % FED / 5% STATE / 5% TOWNSHIP TRAFFIC SIGNALS
	70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1	1	
	70102622	TRAFFIC CONTROL AND PROTECTION, STANDARD 701502	L SUM	1	1	
	70102625	TRAFFIC CONTROL AND PROTECTION, STANDARD 701606	L SUM	1	1	
	70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	1	
	70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	45	45	
	70106800	CHANGEABLE MESSAGE SIGN	CAL MO	2	2	
	70300100	SHORT-TERM PAVEMENT MARKING	FOOT	5,508	5,508	
	70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	31,003	31,003	
	70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	200	200	
	70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	612	612	
*	72000100	SIGN PANEL - TYPE 1	SQ FT	30		30
*	78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	281	281	
*	78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	22,292	22,292	
*	78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	1,559	1,559	
*	78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	2,325	2,325	
*	78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	157	157	
*	78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	265	265	
	78300100	PAVEMENT MARKING REMOVAL	SQ FT	15,556	15,556	
	78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	100	100	
*	80501000	SERVICE INSTALLATION (SPECIAL)	EACH	1		1

* SPECIALTY ITEMS

:) NON PARTICIPATING 100% STATE

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US BR 20
SUMMARY OF QUANTITIES

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
517	(1-2)M & TS	BOONE	74	5
		CONTRACT NO. 64A09		
	ILLINOIS	FED. AID PROJECT		

				URBAN	ACHSIP I000-1A	ACHSIP Y031-1F
	CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY	90% FED / 10% STATE	90 % FED / 5% STATE / 5% TOWNSHIP
					ROADWAY	TRAFFIC SIGNALS
	81702110	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	FOOT	2,030		2,030
	82102250	LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 250 WATT	EACH	4		4
	82500505	LIGHT CONTROLLER SPECIAL	EACH	1		1
	85700300	FULL-ACTUATED CONTROLLER AND TYPE V CABINET	EACH	1		1
	87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	2,957		2,957
	87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	995		995
	87301817	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 4C	FOOT	53		53
	87501100	TRAFFIC SIGNAL POST, 15 FT.	EACH	2		2
*	87702930	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 40 FT.	EACH	1		1
	87703000	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 55 FT.	EACH	3		3
	87800150	CONCRETE FOUNDATION, TYPE C	FOOT	3		3
	87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	58		58
	87900200	DRILL EXISTING HANDHOLE	EACH	7		7
	88040070	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	2		2
	88040090	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	9		9
	88040150	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	2		2
	88040160	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	2		2
	88200100	TRAFFIC SIGNAL BACKPLATE	EACH	11		11
	X0323153	ELECTRIC CABLE IN CONDUIT, GROUND, NO. 6 1C (GREEN)	FOOT	597		597
	X0324134	BATTERY BACKUP SYSTEM WITH CABINET	EACH	1		1
	X0324887	CONDUIT INSTALLED, 2 1/2" DIA., NON-METALLIC	FOOT	82		82

* SPECIALTY ITEMS

:) NON PARTICIPATING 100% STATE

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US BR 20
SUMMARY OF QUANTITIES

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
517	(1-2)M & TS	BOONE	74	6
		CONTRACT NO. 64A09		
	ILLINOIS	FED. AID PROJECT		

				URBAN	AC HSIP I000-1A	AC HSIP Y031-1F
	CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY	90% FED / 10% STATE	90 % FED / 5% STATE / 5% TOWNSHIP
					ROADWAY	TRAFFIC SIGNALS
*	X0325335	CONDUIT INSTALLED, 1 1/2" DIA., NON-METALLIC	FOOT	93		93
	X0325702	NIGHTTIME WORK ZONE LIGHTING	L SUM	1	1	
	X0329907	PORTLAND CEMENT CONCRETE SURFACE REMOVAL 2 1/2"	SQ YD	1,083	1,083	
	X0349800	CONCRETE HEADWALL FOR PIPE UNDERDRAIN REMOVAL	EACH	16	16	
*	X0326882	VIDEO CAMERA DETECTOR SYSTEM	EACH	1		1
	Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1	
	Z0017100	DOWEL BARS	EACH	2,058	2,058	
	Z0028415	GEOTECHNICAL REINFORCEMENT	SQ YD	2,795	2,795	
	Z0040530	PIPE UNDERDRAIN REMOVAL	FOOT	6,141	6,141	
	Z0075300	TIE BARS	EACH	121	121	

* SPECIALTY ITEMS

:) NON PARTICIPATING 100% STATE

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

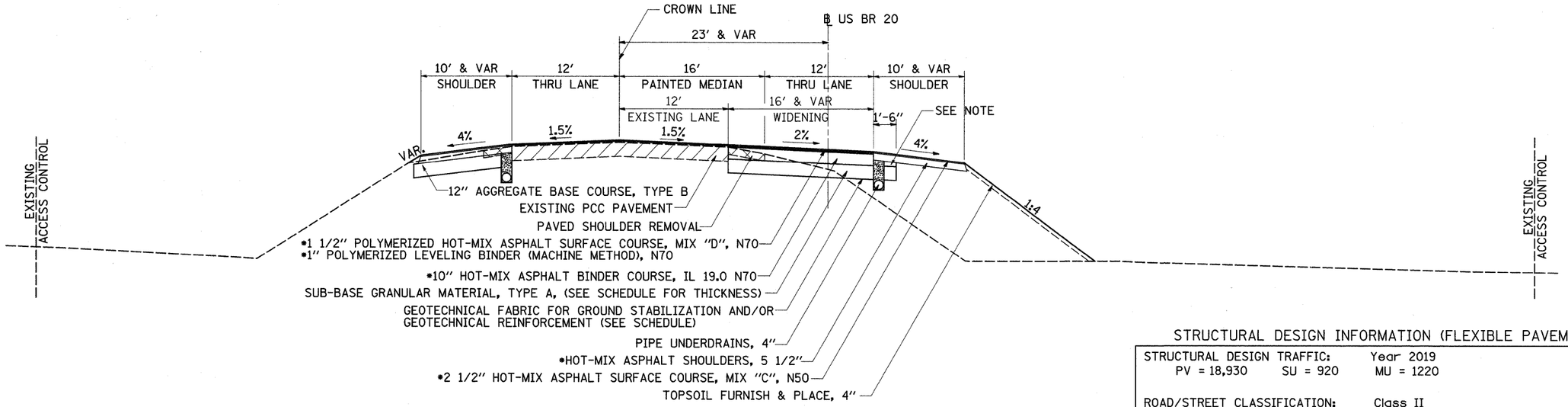
US BR 20
SUMMARY OF QUANTITIES

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
517	(1-2)M& TS	BOONE	74	7
		CONTRACT NO. 64A09		
	ILLINOIS	FED. AID PROJECT		

TYPICAL SECTIONS

STA 265+21.5 TO STA 275+18.0
STA 288+83.5 TO STA 296+21.7 RT
STA 288+83.5 TO STA 296+34.3 LT



STRUCTURAL DESIGN INFORMATION (FLEXIBLE PAVEMENT)

STRUCTURAL DESIGN TRAFFIC: Year 2019
PV = 18,930 SU = 920 MU = 1220

ROAD/STREET CLASSIFICATION: Class II
PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE:
P = 50% S = 50% M = 50%

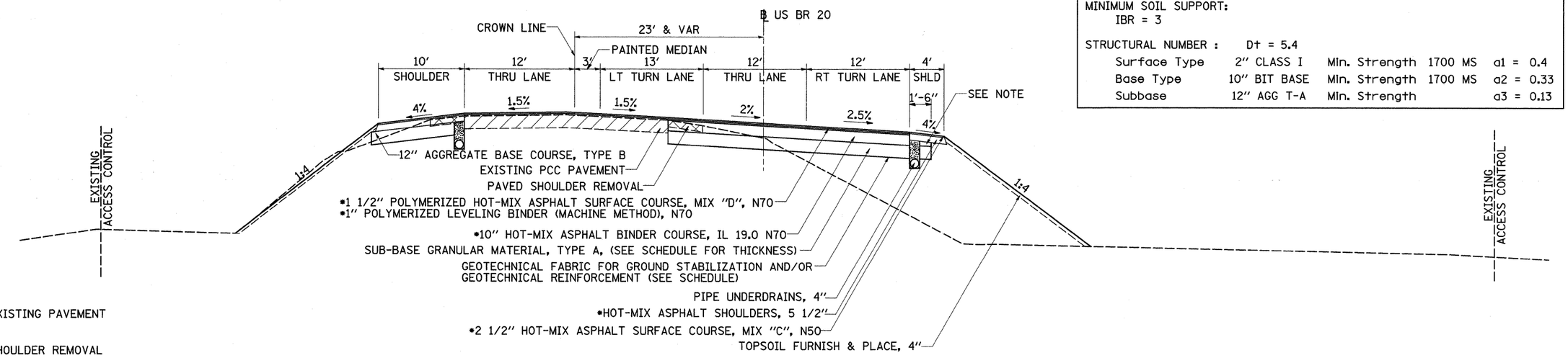
TRAFFIC FACTOR: TF = 5.760000

MINIMUM SOIL SUPPORT:
IBR = 3

STRUCTURAL NUMBER : Dt = 5.4

Surface Type	2" CLASS I	Min. Strength	1700 MS	a1 = 0.4
Base Type	10" BIT BASE	Min. Strength	1700 MS	a2 = 0.33
Subbase	12" AGG T-A	Min. Strength		a3 = 0.13

STA 275+18.0 TO STA 280+06.8 LT
STA 275+18.0 TO STA 280+81.2 RT



EXISTING PAVEMENT

SHOULDER REMOVAL

* RATE OF APPLICATION 112 LB/SQ YD/IN

NOTE: VOID TO BE FILLED WITH CA6 OR CA10 INCLUDED IN THE COST OF SUB-BASE

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US BR 20
TYPICAL SECTIONS

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
517	(1-2)M & TS	BOONE	74	8
		CONTRACT NO. 64A09		
		ILLINOIS FED. AID PROJECT		

TYPICAL SECTIONS

STA 282+54.0 TO STA 288+83.5 LT
STA 283+82.9 TO STA 288+83.5 RT

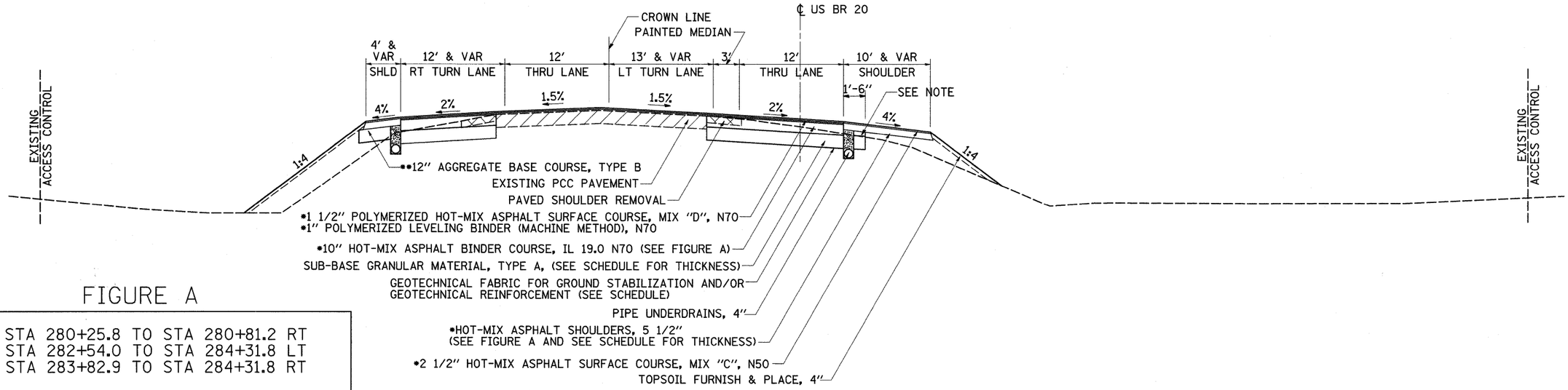
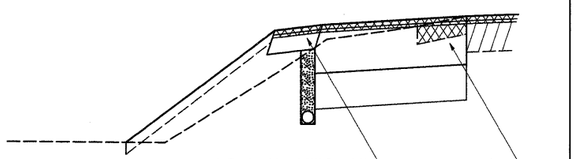
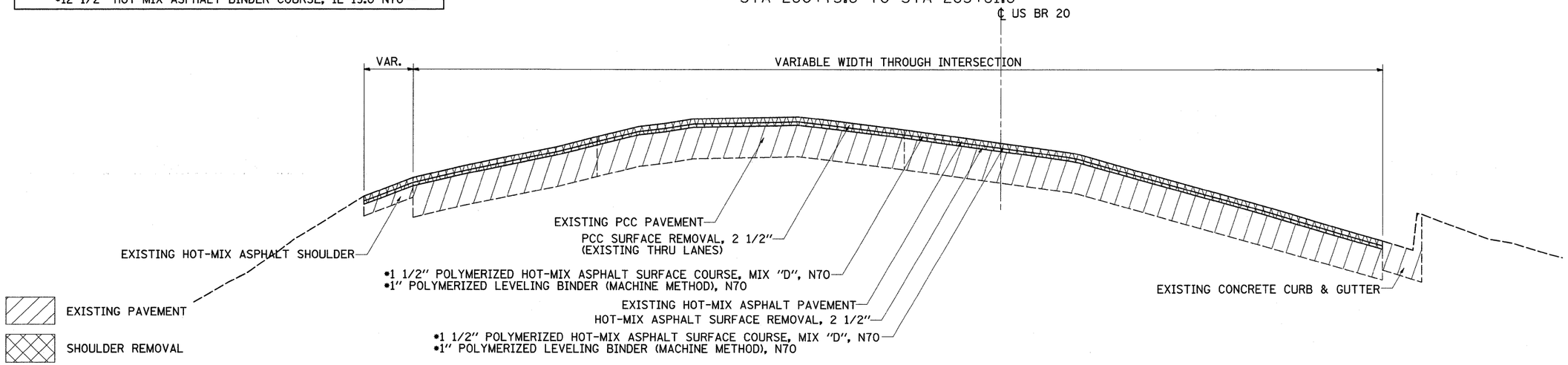


FIGURE A

STA 280+25.8 TO STA 280+81.2 RT
STA 282+54.0 TO STA 284+31.8 LT
STA 283+82.9 TO STA 284+31.8 RT



AT MCKINLEY AVENUE INTERSECTION
STA 280+75.8 TO STA 283+81.8



* RATE OF APPLICATION 112 LB/SQ YD/IN
** NO SHOULDER BASE COURSE (STA 282+48.2 TO STA 286+25 LT)
NOTE: VOID TO BE FILLED WITH CA6 OR CA10 INCLUDED IN THE COST OF SUB-BASE

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

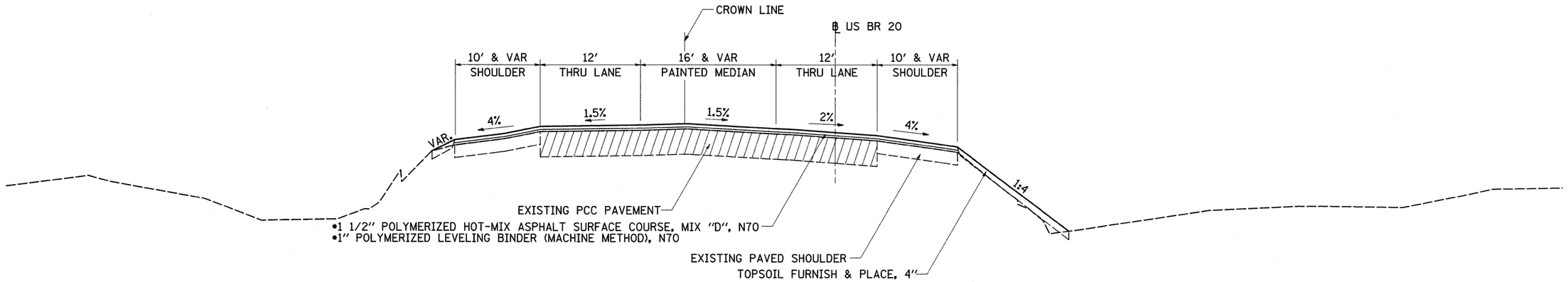
US BR 20
TYPICAL SECTIONS

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
517	(1-2)M & TS	BOONE	74	9
		CONTRACT NO. 64A09		
	ILLINOIS	FED. AID PROJECT		

TYPICAL SECTIONS

STA 296+21.7 TO STA 301+79.6 RT
STA 296+34.3 TO STA 301+79.6 LT



EXISTING PAVEMENT

SHOULDER REMOVAL

* RATE OF APPLICATION 112 LB/SQ YD/IN

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US BR 20
TYPICAL SECTIONS

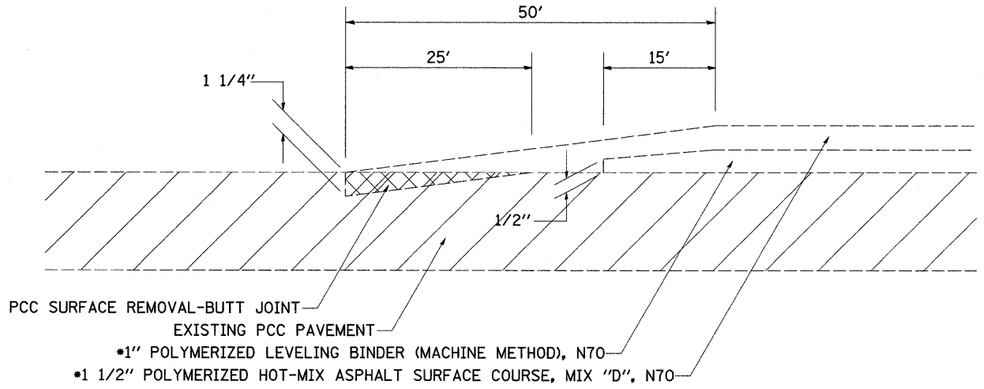
SCALE: | SHEET NO. OF SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
517	(1-2)M & TS	BOONE	74	10
		CONTRACT NO. 64A09		
	ILLINOIS FED. AID PROJECT			

TYPICAL SECTIONS

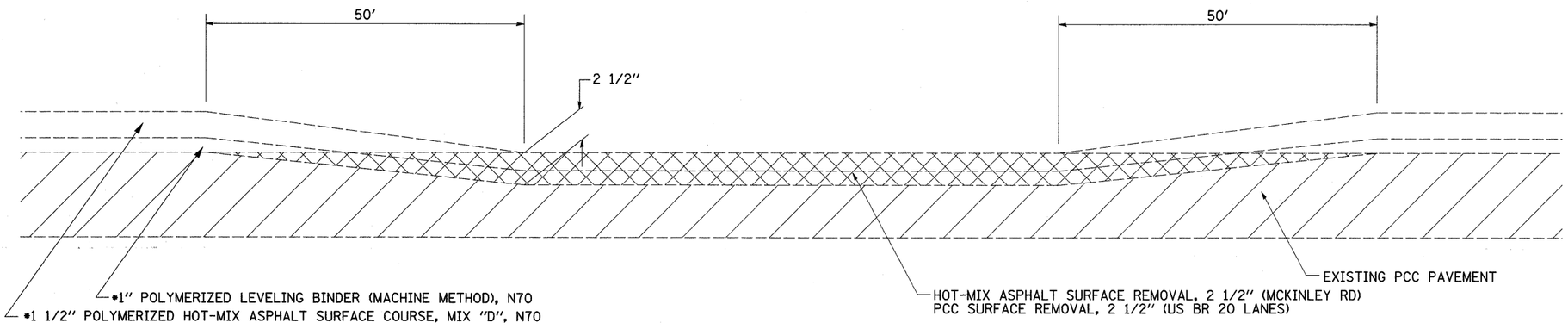
TYPICAL BUTT JOINT TAPER

STA 265+21.5 TO STA 265+71.5
STA 301+79.6 TO STA 302+29.6



TYPICAL MILLING TAPER

STA 280+25.8 TO STA 284+31.8



EXISTING PAVEMENT

SHOULDER REMOVAL

* RATE OF APPLICATION 112 LB/SQ YD/IN

NOTE: SURFACE REMOVAL - VARIABLE DEPTH
INCLUDED IN HOT-MIX ASPHALT REMOVAL 2 1/2"

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US BR 20
TYPICAL SECTIONS

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
517	(1-2)M & TS	BOONE	74	11
		CONTRACT NO. 64A09		
	ILLINOIS FED. AID PROJECT			

GENERAL NOTES

The removal of Bituminous Surfacing not on a rigid type base removed in conjunction with the base shall be removed as EARTH EXCAVATION. The removal of Bituminous Surfacing on a rigid type base removed in conjunction with the base shall be included in the contract unit price for PAVEMENT REMOVAL of the type specified.

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 grass 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.

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 the SEEDING or SODDING.

Previously pugmilled stockpiles of "Type A" older than 1 month will not be approved for use until a moisture check is run to verify moisture content. Material shipped to projects without being tested will not be accepted.

Except for the top 75 mm (3"), all aggregate bases and subbases 300 mm (12") in thickness shall be constructed of aggregate gradation CA-2. If the specified thickness exceeds 300 mm (12"), the bases or subbases shall be constructed of topsize 150 mm (6") breaker-run crushed stone with 70% to 90% by weight, passing the 4" sieve and 15% to 40% by weight, passing the 50 mm (2") size sieve, except for the top 75 mm (3"). The breaker-run crushed stone shall be reasonably uniformly graded from coarse to fine and be taken from a quarry ledge capable of producing Class "D" quality aggregate. The top 75 mm (3") shall be gradation CA-6 or CA-10 regardless of thickness. The water necessary to achieve compaction in all but the top 75 mm (3") layer may be added after the subbase or base course is placed on the grade.

When laying out for patching, the minimum distance between new patches (saw cut to saw cut) shall be 4.6 m (15 feet). When patch spacing is less than 4.6 m (15 feet), the pavement between patches shall also be removed and replaced.

All mandatory joint sealing for Class A, Class B, and Class B (Hinge Jointed) patches as shown on the plans will not be measured for payment. Optional sawing of the joint for the sealant reservoir will not be measured for payment.

The Engineer reserves the right to check all patches for smoothness by the use of a 10' rolling straight edge set to a 3/16" tolerance in the wheel paths. Any patch areas higher than 3/16" must be ground smooth with an approved grinding device consisting of multiple saws. The use of bushhammer or other impact devices will not be permitted. Any patch with depressions greater than 3/16" shall be repaired in a manner approved by the Engineer.

The mandatory saw cuts for pavement patching are:

Class B Patch: Cut two transverse saw cuts outlining the patch and one transverse pressure relief saw cut. The longitudinal edges of the patch shall be cut full depth. When the patch is adjacent to a pcc shoulder, two saw cuts along the shoulder will be required.

The mandatory saw cuts will be paid for at the contract unit price per Meter (Foot) for SAW CUTS.

The minimum patch dimension for full-depth patches will be 1.2 m (four feet) and half-lane width. Half-lane patches shall be confined to the outside edges of the pavement.

The following Mixture Requirements are applicable for this project:

Mixture Uses(s):	Surface	Level Binder	Binder
PG:	SBS PG 70-22	SBS PG 70-22	PG 64-22
Design Air Voids	4.0 @ N70	4.0 @ N70	4.0 @ N70
Mixture Composition (Gradation Mixture)	IL 9.5 or 12.5	IL 9.5	IL 19.0
Friction Aggregate	D	N/A	N/A
20 Year ESAL	7.1	7.1	7.1
Mixture Unit Weight	112 lb/sy/in		

Mixture Uses(s):	Top Shoulder	Bottom Shoulder
PG:	PG 58-22	PG 58-22
Design Air Voids	3 @ N50	2 @ N50
Mixture Composition (Gradation Mixture)	IL 9.5 or 12.5	BAM
Friction Aggregate	C	N/A
20 Year ESAL	N/A	N/A
Mixture Unit Weight	112 lb/sy/in	

The Contractor will be required to furnish 140 mm (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 150 mm (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 the same day, unless otherwise permitted by the Engineer.

The underdrain system scheduled on this project is to be constructed in accordance with Section 601 of the Standard Specifications for Road and Bridge Construction, except when the Recurring Special Provision Pipe Underdrains is included, the fabric envelope encasement of the pipe shall be omitted.

Pavement Marking shall be done according to Standard 780001, except as follows:

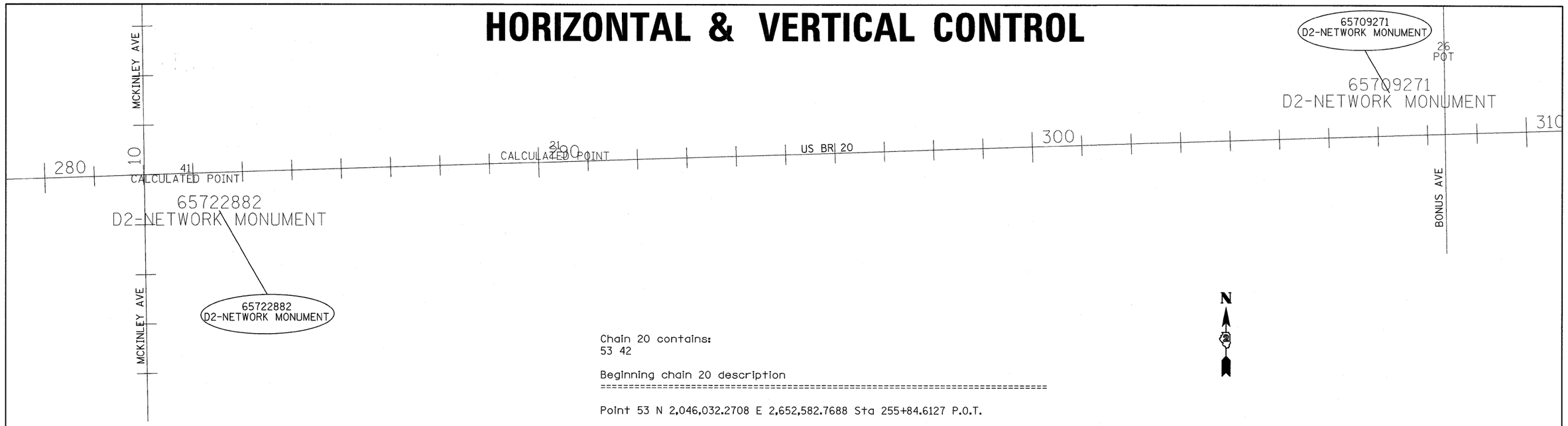
1. All words, such as ONLY, shall be 2.4 m (8 feet) high.
2. All non-freeway arrows shall be the large size.
3. The distance between yellow no-passing lines shall be 200 mm (8"), not 180 mm (7") as shown in the detail of Typical Lane and Edge Lines.

PERMANENT SURVEY MARKERS, TYPE II, shall be set at intervals of 1.6 Km (1 mile) or as directed by the Engineer. Bridge or culvert projects shall have one survey marker placed near the structure. Estimated: 2 Each.

Permanent Survey Markers, Type II shall be cast-in-place as shown on District Standard 66.2. The bottom of the marker shall be 5'-0" below the ground surface.

The Contractor shall submit to the Engineer a description of location, elevation, and coordinates for each permanent survey marker. The horizontal and vertical coordinates must be derived by GPS and the elevation derived by a closed level circuit. The Engineer shall submit this information to the Survey Crew.

HORIZONTAL & VERTICAL CONTROL



Chain 20 contains:
53 42

Beginning chain 20 description

==========

Point 53 N 2,046,032.2708 E 2,652,582.7688 Sta 255+84.6127 P.O.T.

Course from 53 to 42 88° 09′ 35.7330″ Dist 6,304.4110′

Point 42 N 2,046,234.7044 E 2,658,883.9289 Sta 318+89.0237 P.O.T.

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Ending chain 20 description

SURVEY WORK POINTS

POINT	NORTH	EAST	ELEVATION	CHAIN	STATION	OFFSET	DESCRIPTION
100	2046194.3430	2658129.7300	788.2670	20	311+33.9177	16.1234′ RT	TOPO SURVEY POINT, NAIL
101	2045955.5180	2657858.6020	786.4660	20	308+55.2609	246.1194′ RT	TOPO SURVEY POINT, PIN
105	2046049.1040	2655179.6740	785.7540	20	281+80.7193	66.5617′ RT	TOPO SURVEY POINT, NAIL
106	2046057.4970	2654429.6790	781.8850	20	274+31.3806	34.0908′ RT	TOPO SURVEY POINT, NAIL
107	2046101.1830	2653417.9710	785.2790	20	264+21.5970	42.0584′ LT	TOPO SURVEY POINT, NAIL
127	2046153.9410	2655280.6290	786.8310	20	282+84.9886	34.9796′ LT	PAVEMENT - EDGE
128	2046129.9700	2655280.6470	786.7430	20	282+84.2368	11.0204′ LT	PAVEMENT - EDGE
131	2046154.0940	2656029.7450	787.6690	20	290+33.7232	11.0785′ LT	PAVEMENT - EDGE
132	2046177.9460	2656029.3740	787.7600	20	290+34.1183	34.9302′ LT	PAVEMENT - EDGE
150	2046242.3420	2658778.6440	787.5620	20	317+84.0383	11.0143′ LT	PAVEMENT - EDGE
151	2046266.3000	2658777.8450	787.7680	20	317+84.0090	34.9857′ LT	PAVEMENT - EDGE

BENCH MARKS

POINT	NORTH	EAST	ELEVATION	CHAIN	STATION	OFFSET	DESCRIPTION
400	2046111.5550	2657876.1980	787.5190	20	308+77.8581	90.7278′ RT	FIRE HYDRANT, BOLT
401	2045831.8870	2658046.4830	785.4390	20	310+39.0752	375.7194′ RT	FOUNDATION, CHISELED SQUARE
402	2046263.6640	2656642.5940	786.5670	20	296+49.7744	100.9136′ LT	POWER POLE, BOLT

APPARENT PROPERTY CORNERS

POINT	NORTH	EAST	ELEVATION	CHAIN	STATION	OFFSET	DESCRIPTION
700	2046103.6300	2657766.8500	787.5680	20	307+68.3121	95.1376′ RT	PROPERTY CORNER, PIN
701	2046289.7170	2657877.9590	787.5030	20	308+85.3390	87.2858′ LT	PROPERTY CORNER, PIN
702	2045963.5970	2657801.9680	785.5560	20	307+98.9155	236.226′ RT	PROPERTY CORNER, PIN
703	2046254.1310	2657830.2720	788.2040	20	308+36.5339	53.2493′ LT	SECTION CORNER, NAIL
704	2045964.1000	2657834.9400	786.0810	20	308+31.8867	236.782′ RT	SECTION CORNER, NAIL
705	2046283.2340	2657706.5500	785.4840	20	307+13.8102	86.31′ LT	PROPERTY CORNER, PIN
706	2046066.6830	2656017.4100	783.2250	20	290+18.5878	75.8913′ RT	PROPERTY CORNER, PIN
707	2046076.9660	2657900.5600	784.2880	20	309+01.0969	126.0812′ RT	PROPERTY CORNER, PIN
708	2046115.8020	2657956.9290	784.2590	20	309+58.6839	89.0753′ RT	PROPERTY CORNER, PIN
709	2046297.6060	2658113.3680	784.8540	20	311+20.8799	87.6118′ LT	PROPERTY CORNER, PIN
710	2046309.6760	2658370.8750	784.3540	20	313+78.6417	91.407′ LT	PROPERTY CORNER, PIN
713	2046033.3840	2655273.4710	783.1730	20	282+73.9632	85.2854′ RT	PROPERTY CORNER, PIN
714	2046167.7950	2655191.0410	786.6950	20	281+95.8916	51.7031′ LT	SECTION CORNER, PIN
720	2046016.8780	2655255.1620	784.2090	20	282+55.1336	101.195′ RT	PROPERTY CORNER, PIN
721	2045916.5420	2655232.8250	784.5910	20	282+29.5864	200.762′ RT	PROPERTY CORNER, PIN
722	2046067.5270	2656017.1770	783.2070	20	290+18.3820	75.0403′ RT	PROPERTY CORNER, PIN
723	2046076.0860	2656282.4910	783.1840	20	292+83.8340	75.0049′ RT	PROPERTY CORNER, PIN
724	2046331.4850	2657859.1960	787.2770	20	308+67.9268	129.6347′ LT	PROPERTY CORNER, PIN
725	2046283.2010	2657706.5470	785.4580	20	307+13.8061	86.2771′ LT	PROPERTY CORNER, PIN
726	2046467.0050	2655224.1300	782.6620	20	282+38.5711	349.6963′ LT	R.O.W. MARKER, BACK
727	2045989.0600	2653883.2090	781.6980	20	268+82.9948	84.9454′ RT	PROPERTY CORNER, PIN

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US BR 20
HORIZONTAL & VERTICAL CONTROL

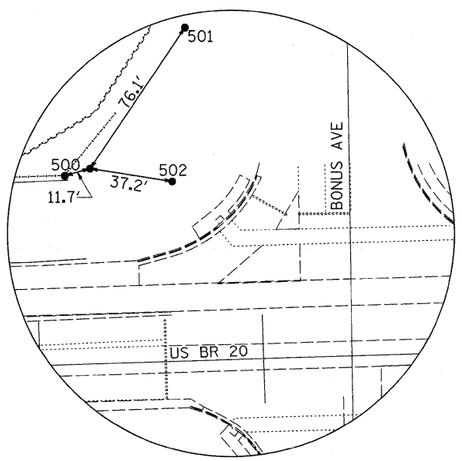
SCALE: | SHEET NO. OF SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
517	(1-2)M & TS	BOONE	74	13
		CONTRACT NO. 64A09		
	ILLINOIS FED. AID PROJECT			

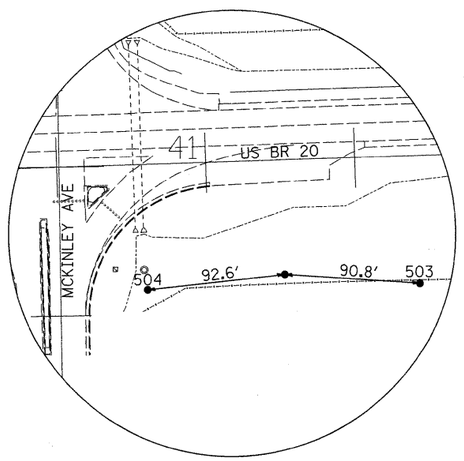
HORIZONTAL & VERTICAL CONTROL

HORIZONTAL CONTROL POINTS							
POINT	NORTH	EAST	ELEVATION	CHAIN	STATION	OFFSET	DESCRIPTION
26	2046369.7140	2657827.8530	787.3340	20	308+37.8275	168.8504′ LT	POT, PK NAIL
27	2046129.9910	2655280.4790	786.6990	20	282+84.0696	11.0468′ LT	PAVEMENT - EDGE
28	2046154.0030	2655280.3570	786.7850	20	282+84.7187	35.0503′ LT	PAVEMENT - EDGE
29	2046152.6300	2655280.6940	786.9780	20	282+85.0114	33.6672′ LT	PAVEMENT - EDGE, BEGINNING
30	2046128.7170	2655280.5380	786.9310	20	282+84.0877	9.7715′ LT	PAVEMENT - EDGE, END
31	2046153.1400	2656029.8770	787.6220	20	290+33.8245	10.1208′ LT	PAVEMENT - EDGE, BEGINNING
32	2046177.1540	2656030.1050	787.7690	20	290+34.8235	34.1151′ LT	PAVEMENT - EDGE, END
45	2046090.1870	2654121.5880	785.1680	20	271+24.4981	8.4751′ LT	PAVEMENT - EDGE
46	2046117.1250	2654134.2980	785.2610	20	271+38.0665	34.9911′ LT	PAVEMENT - EDGE
47	2046086.3780	2653549.8300	786.1070	20	265+52.9126	23.0271′ LT	POT, PAINTED
44	2046116.3390	2655198.3090	786.8230	20	282+01.5036	0.0403′ LT	PROPERTY CORNER, PERM. SURVEY MARKER
65709271	2046285.0890	2657717.7770	786.5360	20	307+25.0910	87.8036′ LT	HORIZONTAL CONTROL STATION, PERM. SURVEY MARKER
65722882	2046044.3690	2655349.9580	782.3030	20	283+50.7635	76.762′ RT	HORIZONTAL CONTROL STATION, PERM. SURVEY MARKER

REFERENCE TIES				
POINT	CHAIN	STATION	OFFSET	DESCRIPTION
500	20	307+13.7714	85.0396′ LT	FENCE POST, TOP
501	20	307+69.5719	149.5301′ LT	FENCE POST, TOP
502	20	307+61.6767	81.0093′ LT	SIGN, CORNER
503	20	284+41.1209	85.5169′ RT	POWER POLE WITH TRANSFORMER, SHINER
504	20	282+58.4846	83.9637′ RT	POWER POLE, SHINER



HORIZONTAL CONTROL
POINT NO. 65709271



HORIZONTAL CONTROL
POINT NO. 65722882

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US BR 20
HORIZONTAL & VERTICAL CONTROL

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
517	(1-2)M & TS	BOONE	74	14
		CONTRACT NO. 64A09		
	ILLINOIS FED. AID PROJECT			

SCHEDULE OF QUANTITIES

21101615 TOPSOIL FURNISH AND PLACE, 4"

SQ YD	LOCATION				
	US 20 BR				
2,862.6	Sta	265 + 21	-	281 + 48	LT
3,037.0	Sta	265 + 21	-	280 + 94	RT
1,793.7	Sta	282 + 48	-	302 + 30	LT
2,428.0	Sta	283 + 02	-	302 + 30	RT
10,121.3	TOTAL				

25000210 SEEDING, CLASS 2A

ACRE	LOCATION				
	US 20 BR				
0.59	Sta	265 + 21	-	281 + 48	LT
0.63	Sta	265 + 21	-	280 + 94	RT
0.37	Sta	282 + 48	-	302 + 30	LT
0.50	Sta	283 + 02	-	302 + 30	RT
2.09	TOTAL				

25000750 MOWING

ACRE	LOCATION				
	US 20 BR				
0.59	Sta	265 + 21	-	281 + 48	LT
0.63	Sta	265 + 21	-	280 + 94	RT
0.37	Sta	282 + 48	-	302 + 30	LT
0.50	Sta	283 + 02	-	302 + 30	RT
2.09	TOTAL				

25100115 MULCH, METHOD 2

ACRE	LOCATION				
	US 20 BR				
0.33	Sta	265 + 21	-	281 + 48	LT
0.38	Sta	265 + 21	-	280 + 94	RT
0.05	Sta	282 + 48	-	302 + 30	LT
0.19	Sta	283 + 02	-	302 + 30	RT
0.95	TOTAL				

25100630 EROSION CONTROL BLANKET

SQ YD	LOCATION					* Placed around Pipe Underdrain Headwall
	US 20 BR					
1.8	Sta	268 + 71		LT	(4' x 4')	
1.8	Sta	268 + 71		RT	(4' x 4')	
1.8	Sta	271 + 50		LT	(4' x 4')	
1.8	Sta	271 + 50		RT	(4' x 4')	
1.8	Sta	276 + 00		LT	(4' x 4')	
1.8	Sta	276 + 00		RT	(4' x 4')	
1.8	Sta	285 + 50		LT	(4' x 4')	
1.8	Sta	285 + 50		RT	(4' x 4')	
1.8	Sta	290 + 50		LT	(4' x 4')	
1.8	Sta	290 + 50		RT	(4' x 4')	
1.8	Sta	296 + 21		RT	(4' x 4')	
1.8	Sta	299 + 00		LT	(4' x 4')	
1,265.4	Sta	265 + 21	-	281 + 48	LT	(L = 1, 627' x 7') Next to E. O. S.
1,223.4	Sta	265 + 21	-	280 + 94	RT	(L = 1, 573' x 7') Next to E. O. S.
1,541.6	Sta	282 + 48	-	302 + 30	LT	(L = 1, 982' x 7') Next to E. O. S.
1,499.6	Sta	283 + 02	-	302 + 30	RT	(L = 1, 928' x 7') Next to E. O. S.
5,551.6	TOTAL					

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US BR 20
SCHEDULE OF QUANTITIES

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
517	(1-2)M & TS	BOONE	74	15
		CONTRACT NO. 64A09		
	ILLINOIS FED. AID PROJECT			

SCHEDULE OF QUANTITIES

28000250 TEMPORARY EROSION CONTROL SEEDING

POUND	LOCATION					*6 Applications X 100 Lbs / Acre
	US 20 BR					
355	Sta	265 + 21	-	281 + 48	LT	
376	Sta	265 + 21	-	280 + 94	RT	
222	Sta	282 + 48	-	302 + 30	LT	
301	Sta	283 + 02	-	302 + 30	RT	
1,255	TOTAL					

28000400 PERIMETER EROSION BARRIER

FOOT	LOCATION				
	US 20 BR				
200	Sta	265 + 50	-	267 + 50	LT
300	Sta	277 + 00	-	280 + 00	LT
450	Sta	276 + 50	-	281 + 00	RT
1,150	Sta	284 + 50	-	296 + 00	RT
2,100	TOTAL				

28000500 INLET AND PIPE PROTECTION

EACH	LOCATION
	US 20 BR
3	As Needed & Directed by the Resident
3	TOTAL

31100910 SUB-BASE GRANULAR MATERIAL, TYPE A 12"

SQ YD	LOCATION					
	US 20 BR					
183.3	Sta	267 + 71	-	270 + 00		Start Widening RT
1,088.0	Sta	270 + 00	-	275 + 64		
694.4	Sta	275 + 64	-	278 + 30		
828.4	Sta	278 + 30	-	280 + 81		End Widening RT
43.7	Sta	282 + 54	-	283 + 05		Start Widening LT
375.4	Sta	283 + 05	-	285 + 54		
219.4	Sta	285 + 54	-	287 + 99		End Widening LT
2,406.3	Sta	283 + 83	-	296 + 22		Widening RT
5,838.9	TOTAL					

35101400 AGGREGATE BASE COURSE, TYPE B

TON	LOCATION					*Under HMA Shoulders for Staging
	US 20 BR					
36.4	Sta	265 + 21	-	265 + 81	LT	
1,205.8	Sta	265 + 81	-	280 + 07	LT	
88.2	Sta	286 + 25	-	287 + 99	LT	
707.4	Sta	287 + 100	-	296 + 34	LT	
266.4	Sta	296 + 34	-	299 + 00	LT	
2,304.2	TOTAL					

40600895 CONSTRUCTING TEST STRIP

EACH	LOCATION
	US 20 BR
1	As Needed & Directed by the Resident (for Binder Course)
1	TOTAL

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US BR 20
SCHEDULE OF QUANTITIES

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
517	(1-2)M & TS	BOONE	74	16
		CONTRACT NO. 64A09		
	ILLINOIS	FED. AID PROJECT		

SCHEDULE OF QUANTITIES

40600982 HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT

SQ YD	LOCATION				
	US 20 BR				
11.1	Sta	265 + 21	-	265 + 71	LT (25' x 4') for Shoulder
11.1	Sta	265 + 21	-	265 + 71	RT (25' x 4') for Shoulder
28.9	Sta	301 + 80	-	302 + 30	LT (25' x 10.4') for Shoulder
19.4	Sta	301 + 80	-	302 + 30	RT (25' x 7') for Shoulder
70.5	TOTAL				

40600985 PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT

SQ YD	LOCATION				
	US 20 BR				
161.1	Sta	265 + 21	-	265 + 71	(25' x 58') for Pavement
116.7	Sta	301 + 80	-	302 + 30	(25' x 42') for Pavement
277.8	TOTAL				

40600990 TEMPORARY RAMP

SQ YD	LOCATION		
	US 20 BR		
62.3	Sta	265 + 21	(66' x 8.5')
55.7	Sta	302 + 30	(59' x 8.5')
94.4	N. McKinley Ave.		(100' x 8.5')
102.0	S. McKinley Ave.		(108' x 8.5')
314.4	TOTAL		

40603310 HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50

TON	LOCATION				
	US 20 BR				
14.0	Sta	278 + 00	-	280 + 81	RT Shoulder - Stage 1
60.5	Sta	284 + 07	-	296 + 22	RT Shoulder - Stage 1
74.5	TOTAL				

44000100 PAVEMENT REMOVAL

SQ YD	LOCATION				
	US 20 BR				
17.6	Sta	280 + 73	-	280 + 81	RT
67.6	Sta	282 + 48	-	283 + 11	LT
24.9	Sta	283 + 83	-	284 + 07	RT
110.1	TOTAL				

44000157 HOT-MIX ASPHALT SURFACE REMOVAL, 2"

SQ YD	LOCATION				
	US 20 BR				
125.0	Sta	278 + 00	-	280 + 81	RT Shoulder - Stage 1
539.9	Sta	284 + 07	-	296 + 22	RT Shoulder - Stage 1
664.9	TOTAL				

44000159 HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"

SQ YD	LOCATION				
	US 20 BR				
237.6	Sta	280 + 26	-	280 + 76	50' Taper w/ Shoulders
1,934.9	Sta	280 + 76	-	283 + 82	Mainline w/ Returns
230.8	Sta	283 + 82	-	284 + 32	50' Taper w/ Shoulders
2,403.3	TOTAL				

44004250 PAVED SHOULDER REMOVAL

SQ YD	LOCATION				
	US 20 BR				
676.1	Sta	265 + 21	-	280 + 07	LT
695.2	Sta	265 + 21	-	280 + 73	RT
598.7	Sta	283 + 11	-	296 + 22	LT
539.9	Sta	284 + 07	-	296 + 22	RT
313.5	Sta	296 + 22	-	299 + 00	LT
2,823.4	TOTAL				

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US BR 20
SCHEDULE OF QUANTITIES

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
517	(1-2)M & TS	BOONE	74	17
		CONTRACT NO. 64A09		
	ILLINOIS FED. AID PROJECT			

SCHEDULE OF QUANTITIES

60100060 CONCRETE HEADWALL FOR PIPE DRAINS

EACH	LOCATION		
	US 20 BR		
1	Sta	268 + 71	LT
1	Sta	268 + 71	RT
1	Sta	271 + 50	LT
1	Sta	271 + 50	RT
1	Sta	276 + 00	LT
1	Sta	276 + 00	RT
1	Sta	285 + 50	LT
1	Sta	285 + 50	RT
1	Sta	290 + 50	LT
1	Sta	290 + 50	RT
1	Sta	296 + 21	RT
1	Sta	299 + 00	LT
12	TOTAL		

60107600 PIPE UNDERDRAINS 4"

FOOT	LOCATION				
	US 20 BR				
350	Sta	265 + 21	-	268 + 71	LT
350	Sta	265 + 21	-	268 + 71	RT
279	Sta	268 + 71	-	271 + 50	LT
279	Sta	268 + 71	-	271 + 50	RT
450	Sta	271 + 50	-	276 + 00	LT
450	Sta	271 + 50	-	276 + 00	RT
407	Sta	276 + 00	-	280 + 07	LT
482	Sta	276 + 00	-	280 + 81	RT
302	Sta	282 + 48	-	285 + 50	LT
169	Sta	283 + 82	-	285 + 50	RT
500	Sta	285 + 50	-	290 + 50	LT
500	Sta	285 + 50	-	290 + 50	RT
400	Sta	290 + 50	-	294 + 50	LT
400	Sta	290 + 50	-	294 + 50	RT
450	Sta	294 + 50	-	299 + 00	LT
172	Sta	294 + 50	-	296 + 21	RT
5,940	TOTAL				

60108100 PIPE UNDERDRAINS 4" (SPECIAL)

FOOT	LOCATION			
	US 20 BR			
18	Sta	268 + 71	LT	(1 @ 18' Pipe)
30	Sta	268 + 71	RT	(1 @ 30' Pipe)
36	Sta	271 + 50	LT	(2 @ 18' Pipe)
60	Sta	271 + 50	RT	(2 @ 30' Pipe)
18	Sta	276 + 00	LT	(1 @ 18' Pipe)
30	Sta	276 + 00	RT	(1 @ 30' Pipe)
50	Sta	285 + 50	LT	(2 @ 25' Pipe)
60	Sta	285 + 50	RT	(2 @ 30' Pipe)
18	Sta	290 + 50	LT	(1 @ 18' Pipe)
30	Sta	290 + 50	RT	(1 @ 30' Pipe)
30	Sta	296 + 21	RT	(1 @ 30' Pipe)
18	Sta	299 + 00	LT	(1 @ 18' Pipe)
398	TOTAL			

64200105 SHOULDER RUMBLE STRIP

FOOT	LOCATION				
	US 20 BR				
1,554	Sta	265 + 21	-	280 + 75	LT
1,573	Sta	265 + 21	-	280 + 94	RT
1,941	Sta	282 + 89	-	302 + 30	LT
1,848	Sta	283 + 82	-	302 + 30	RT
6,916	TOTAL				

66700305 PERMANENT SURVEY MARKERS, TYPE II

EACH	LOCATION
2	As Directed by the Resident and Chief of Surveys
2	TOTAL

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US BR 20
SCHEDULE OF QUANTITIES

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
517	(1-2)M & TS	BOONE	74	18
		CONTRACT NO. 64A09		
	ILLINOIS	FED. AID PROJECT		

SCHEDULE OF QUANTITIES

70106800 CHANGEABLE MESSAGE SIGN

CAL MO	LOCATION	
	US 20 BR	
2	As Directed by the Resident and Operations	(2 Signs for 1 Month Each)
2	TOTAL	

70300100 SHORT-TERM PAVEMENT MARKING

FOOT	LOCATION				
	US 20 BR				*3 Applications - Prime, LB (MM), & Surface
192	Sta	265 + 21	-	280 + 75	1 Stripe - 4' @ 100' o.c. (White Shoulder Diagonal - LT)
144	Sta	265 + 21	-	277 + 00	1 Stripe - 4' @ 100' o.c. (White Shoulder Diagonal - RT)
192	Sta	287 + 00	-	302 + 30	1 Stripe - 4' @ 100' o.c. (White Shoulder Diagonal - LT)
240	Sta	283 + 00	-	302 + 30	1 Stripe - 4' @ 100' o.c. (White Shoulder Diagonal - RT)
1,536	Sta	265 + 21	-	277 + 78	4 Stripes - 4' @ 40' o.c. (Yellow Median)
216	Sta	277 + 78	-	281 + 33	2 Stripes - 4' @ 40' o.c. (Double Yellow)
216	Sta	282 + 69	-	286 + 21	2 Stripes - 4' @ 40' o.c. (Double Yellow)
1,968	Sta	286 + 21	-	302 + 30	4 Stripes - 4' @ 40' o.c. (Yellow Median)
210	Sta	277 + 83	-	281 + 33	2 Stripes - 4' @ 40' o.c. (White - LT Turn Lane)
192	Sta	278 + 30	-	281 + 31	2 Stripes - 4' @ 40' o.c. (White - RT Turn Lane)
210	Sta	282 + 69	-	286 + 19	2 Stripes - 4' @ 40' o.c. (White - LT Turn Lane)
192	Sta	282 + 70	-	285 + 54	2 Stripes - 4' @ 40' o.c. (White - RT Turn Lane)
5,508	TOTAL				

70300625 TEMPORARY PAINT PAVEMENT MARKING LINE 4"

FOOT	LOCATION				
	US 20 BR				
1,896	Sta	263 + 34	-	281 + 80	White EOP - LT (Stage 2)
4,950	Sta	256 + 00	-	280 + 75	Double Yellow (Stage 2)
2,605	Sta	256 + 00	-	281 + 50	White EOP - RT (Stage 2)
1,933	Sta	282 + 20	-	300 + 88	White EOP - LT (Stage 2)
3,565	Sta	283 + 05	-	300 + 88	Double Yellow (Stage 2)
1,883	Sta	282 + 40	-	300 + 88	White EOP - RT (Stage 2)
1,770	Sta	264 + 70	-	281 + 80	White EOP - LT (Stage 3)
3,876	Sta	261 + 42	-	280 + 80	Double Yellow (Stage 3)
2,083	Sta	261 + 42	-	281 + 75	White EOP - RT (Stage 3)
1,672	Sta	282 + 15	-	298 + 37	White EOP - LT (Stage 3)
3,093	Sta	282 + 90	-	298 + 37	Double Yellow (Stage 3)
1,677	Sta	282 + 25	-	298 + 37	White EOP - RT (Stage 3)
31,003	TOTAL				

70300660 TEMPORARY PAINT PAVEMENT MARKING LINE 24"

FOOT	LOCATION	
	US 20 BR	
200	As Needed & Directed by the Resident	
200	TOTAL	

70301000 WORK ZONE PAVEMENT MARKING REMOVAL

SQ FT	LOCATION				*Removal of Short-Term on Surface Only
	US 20 BR				
21.3	Sta	265 + 21	-	280 + 75	1 Stripe - LT Shoulder Diagonal
16.0	Sta	265 + 21	-	277 + 00	1 Stripe - RT Shoulder Diagonal
21.3	Sta	287 + 00	-	302 + 30	1 Stripe - LT Shoulder Diagonal
26.7	Sta	283 + 00	-	302 + 30	1 Stripe - RT Shoulder Diagonal
170.7	Sta	265 + 21	-	277 + 78	4 Stripes - Yellow Median
24.0	Sta	277 + 78	-	281 + 33	2 Stripes - Double Yellow
24.0	Sta	282 + 69	-	286 + 21	2 Stripes - Double Yellow
218.7	Sta	286 + 21	-	302 + 30	4 Stripes - Yellow Median
23.3	Sta	277 + 83	-	281 + 33	2 Stripes - LT Turn Lane
21.3	Sta	278 + 30	-	281 + 31	2 Stripes - RT Turn Lane
23.3	Sta	282 + 69	-	286 + 19	2 Stripes - LT Turn Lane
21.3	Sta	282 + 70	-	285 + 54	2 Stripes - RT Turn Lane
612.0	TOTAL				

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US BR 20
SCHEDULE OF QUANTITIES

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
517	(1-2)M & TS	BOONE	74	19
		CONTRACT NO. 64A09		
	ILLINOIS FED. AID PROJECT			

SCHEDULE OF QUANTITIES

78000100 THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS

SQ FT	LOCATION US 20 BR		
15.6	Sta	277 + 89	LT Turn Arrow
15.6	Sta	278 + 69	LT Turn Arrow
15.6	Sta	278 + 69	RT Turn Arrow
15.6	Sta	279 + 49	LT Turn Arrow
15.6	Sta	279 + 49	RT Turn Arrow
15.6	Sta	280 + 29	LT Turn Arrow
15.6	Sta	280 + 29	RT Turn Arrow
15.6	Sta	281 + 09	LT Turn Arrow
15.6	Sta	281 + 09	RT Turn Arrow
15.6	Sta	282 + 93	RT Turn Arrow
15.6	Sta	282 + 93	LT Turn Arrow
15.6	Sta	283 + 73	RT Turn Arrow
15.6	Sta	283 + 73	LT Turn Arrow
15.6	Sta	284 + 53	RT Turn Arrow
15.6	Sta	284 + 53	LT Turn Arrow
15.6	Sta	285 + 33	RT Turn Arrow
15.6	Sta	285 + 33	LT Turn Arrow
15.6	Sta	286 + 13	LT Turn Arrow
280.8	TOTAL		

78000200 THERMOPLASTIC PAVEMENT MARKING - LINE 4"

FOOT	LOCATION US 20 BR				
220	Sta	256 + 00	-	264 + 64	White Skip Dash - RT
130	Sta	263 + 34	-	268 + 55	White Skip Dash - LT
1,734	Sta	264 + 64	-	281 + 48	White EOP - LT
1,622	Sta	265 + 21	-	281 + 40	White EOP - RT
1,986	Sta	282 + 48	-	302 + 30	White EOP - LT
1,988	Sta	282 + 47	-	302 + 30	White EOP - RT
100	Sta	280 + 83	-	281 + 33	White Median (2 Lines)
100	Sta	282 + 69	-	283 + 19	White Median (2 Lines)
7,880	*White Sub-Total*				
1,520	Sta	261 + 42	-	265 + 21	Double Yellow Median (4 Lines)
5,032	Sta	265 + 21	-	277 + 78	Double Yellow Median (4 Lines)
710	Sta	277 + 78	-	281 + 33	Yellow Median (2 Lines)
710	Sta	282 + 69	-	286 + 21	Yellow Median (2 Lines)
6,440	Sta	286 + 21	-	302 + 30	Double Yellow Median (4 Lines)
14,412	*Yellow Sub-Total*				
22,292	TOTAL				

78000500 THERMOPLASTIC PAVEMENT MARKING - LINE 8"

FOOT	LOCATION US 20 BR				
84	Sta	275 + 34	-	277 + 83	White Turkey Tracks (42 Stripes @ 2')
300	Sta	277 + 83	-	280 + 83	White - LT Turn Lane
302	Sta	278 + 30	-	281 + 31	White - RT Turn Lane
106	Sta	281 + 49	-	281 + 79	White Island - LT
99	Sta	282 + 18	-	282 + 47	White Island - RT
284	Sta	282 + 70	-	285 + 54	White - RT Turn Lane
300	Sta	283 + 19	-	286 + 19	White - LT Turn Lane
84	Sta	286 + 19	-	288 + 68	White Turkey Tracks (42 Stripes @ 2')
1,559	TOTAL				

78000600 THERMOPLASTIC PAVEMENT MARKING - LINE 12"

FOOT	LOCATION US 20 BR				
351	Sta	261 + 42	-	265 + 21	Yellow Median Diagonals
820	Sta	265 + 21	-	281 + 33	Yellow Median Diagonals
1,056	Sta	282 + 69	-	302 + 30	Yellow Median Diagonals
2,227	*Yellow Sub-Total*				
12	Sta	280 + 83	-	281 + 33	White Median Diagonals
41	Sta	281 + 49	-	281 + 79	White Island Diagonals LT
33	Sta	282 + 18	-	282 + 47	White Island Diagonals RT
12	Sta	282 + 69	-	283 + 19	White Median Diagonals
98	*White Sub-Total*				
2,325	TOTAL				

78000650 THERMOPLASTIC PAVEMENT MARKING - LINE 24"

FOOT	LOCATION US 20 BR		
45	Sta	281 + 33	White Stop Bar
18	Sta	281 + 51	White Stop Bar
13	Sta	281 + 81	White Stop Bar
25	Sta	281 + 92	White Stop Bar
18	Sta	282 + 30	White Stop Bar
38	Sta	282 + 68	White Stop Bar
157	TOTAL		

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US BR 20
SCHEDULE OF QUANTITIES

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
517	(1-2)M & TS	BOONE	74	20
		CONTRACT NO. 64A09		
		ILLINOIS FED. AID PROJECT		

SCHEDULE OF QUANTITIES

78100100 RAISED REFLECTIVE PAVEMENT MARKER

EACH		LOCATION			
		US 20 BR			
64	Sta	265 + 21	-	277 + 83	One-way Amber LT & RT @ 40' o.c.
80	Sta	286 + 19	-	302 + 30	One-way Amber LT & RT @ 40' o.c.
144	*One-way Amber Total*				
9	Sta	277 + 83	-	281 + 33	Two-way Amber LT @ 40' o.c.
18	Sta	277 + 83	-	281 + 33	Two-way Amber RT @ 20' o.c.
9	Sta	282 + 69	-	286 + 19	Two-way Amber LT @ 40' o.c.
18	Sta	282 + 69	-	286 + 19	Two-way Amber RT @ 20' o.c.
54	*Two-way Amber Total*				
18	Sta	277 + 83	-	281 + 33	One-way Crystal RT @ 20' o.c.
16	Sta	278 + 30	-	281 + 33	One-way Crystal RT @ 20' o.c.
15	Sta	282 + 69	-	285 + 54	One-way Crystal LT @ 20' o.c.
18	Sta	282 + 69	-	286 + 19	One-way Crystal LT @ 20' o.c.
67	*One-way Crystal Total*				
265	TOTAL				

78300100 PAVEMENT MARKING REMOVAL

SQ FT		LOCATION			
		US 20 BR			
		EXISTING PAVEMENT MARKINGS			
73.3	Sta	256 + 00	-	264 + 64	White Skip Dash - RT (Stage 2)
43.3	Sta	263 + 34	-	268 + 55	White Skip Dash - LT (Stage 2)
458.3	Sta	267 + 00	-	280 + 75	White EOP - RT (Stage 2)
343.3	Sta	268 + 55	-	273 + 70	Double Yellow No Pass (Stage 2)
127.3	Sta	273 + 70	-	276 + 72	Yellow No Pass LT w/ Skip Dash (Stage 2)
120.0	Sta	276 + 72	-	290 + 93	Yellow Skip Dash
222.7	Sta	290 + 93	-	296 + 21	Yellow No Pass RT w/ Skip Dash (Stage 2)
181.0	Sta	296 + 21	-	298 + 70	Yellow Median w/ Diagonals (Stage 2)
370.7	Sta	298 + 70	-	300 + 88	Double Yellow Median w/ Diagonals (Stage 2)
594.3	Sta	283 + 05	-	300 + 88	White EOP - RT (Stage 2)
1,401.0	Sta	261 + 41	-	268 + 55	Double Yellow Median w/ Diagonals (Stage 3)
370.0	Sta	269 + 70	-	280 + 80	White EOP - LT (Stage 3)
515.7	Sta	282 + 90	-	298 + 37	White EOP - LT (Stage 3)
		TEMPORARY PAVEMENT MARKINGS			
632.0	Sta	263 + 34	-	281 + 80	White EOP - LT (Stage 2)
1,650.0	Sta	256 + 00	-	280 + 75	Double Yellow (Stage 2)
868.3	Sta	256 + 00	-	281 + 50	White EOP - RT (Stage 2)
644.3	Sta	282 + 20	-	300 + 88	White EOP - LT (Stage 2)
1,188.3	Sta	283 + 05	-	300 + 88	Double Yellow (Stage 2)
627.7	Sta	282 + 40	-	300 + 88	White EOP - RT (Stage 2)
590.0	Sta	264 + 70	-	281 + 80	White EOP - LT (Stage 3)
1,292.0	Sta	261 + 42	-	280 + 80	Double Yellow (Stage 3)
694.3	Sta	261 + 42	-	281 + 75	White EOP - RT (Stage 3)
557.3	Sta	282 + 15	-	298 + 37	White EOP - LT (Stage 3)
1,031.0	Sta	282 + 90	-	298 + 37	Double Yellow (Stage 3)
559.0	Sta	282 + 25	-	298 + 37	White EOP - RT (Stage 3)
400.0	As Needed & Directed by the Resident (Temp - Line 24")				
15,555.3	TOTAL				

78300200 RAISED REFLECTIVE PAVEMENT MARKER REMOVAL

EACH		LOCATION			
		US 20 BR			
100	Sta	265 + 21	-	302 + 30	
100	TOTAL				

X0325702 NIGHTTIME WORK ZONE LIGHTING

L SUM	LOCATION
	US 20 BR
1	As Needed & Directed by the Resident
1	TOTAL

X0329907 PORTLAND CEMENT CONCRETE SURFACE REMOVAL 2 1/2"

SQ YD		LOCATION			
		US 20 BR			
132.4	Sta	280 + 26	-	280 + 76	Mainline - 50' Taper
815.2	Sta	280 + 76	-	283 + 82	Mainline w/ Returns
134.6	Sta	283 + 82	-	284 + 32	Mainline - 50' Taper
1,082.2	TOTAL				

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US BR 20
SCHEDULE OF QUANTITIES

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
517	(1-2)M & TS	BOONE	74	21
		CONTRACT NO. 64A09		
	ILLINOIS	FED. AID PROJECT		

SCHEDULE OF QUANTITIES

X0349800 CONCRETE HEADWALL FOR PIPE UNDERDRAIN REMOVAL

EACH	LOCATION			
	US 20 BR			
1	Sta	271+40		LT
1	Sta	271+40		RT
1	Sta	271+45		LT
1	Sta	271+45		RT
1	Sta	275+95		LT
1	Sta	275+95		RT
1	Sta	281+45		LT
1	Sta	281+45		RT
1	Sta	285+50		LT
1	Sta	285+50		RT
1	Sta	285+55		LT
1	Sta	285+55		RT
1	Sta	290+55		LT
1	Sta	290+55		RT
1	Sta	299+40		LT
1	Sta	299+40		RT
16	TOTAL			

Z0028415 GEOTECHNICAL REINFORCEMENT

SQ YD	LOCATION				
	US 20 BR				
183.3	Sta	267+71	-	270+00	RT
1,088.0	Sta	270+00	-	275+64	RT
694.4	Sta	275+64	-	278+30	RT
828.4	Sta	278+30	-	280+81	RT
2,794.1	TOTAL				

*Geogrid for Sub-Base Granular

Z0040530 PIPE UNDERDRAIN REMOVAL

FOOT	LOCATION				
	US 20 BR				
238	Sta	265+21	-	266+40	LT & RT (Pipe Underdrain, 4")
990	Sta	266+45	-	271+40	LT & RT (Pipe Underdrain, 4")
32	Sta	271+40			LT & RT (Pipe Underdrain, Special 4")
890	Sta	271+45	-	275+90	LT & RT (Pipe Underdrain, 4")
32	Sta	271+45			LT & RT (Pipe Underdrain, Special 4")
750	Sta	275+95	-	279+70	LT & RT (Pipe Underdrain, 4")
28	Sta	275+95			LT & RT (Pipe Underdrain, Special 4")
32	Sta	279+75	-	280+07	LT (Pipe Underdrain, 4")
107	Sta	279+75	-	280+81	RT (Pipe Underdrain, 4")
556	Sta	282+72	-	285+50	LT & RT (Pipe Underdrain, 4")
34	Sta	285+50			LT & RT (Pipe Underdrain, Special 4")
990	Sta	285+55	-	290+50	LT & RT (Pipe Underdrain, 4")
30	Sta	285+55			LT & RT (Pipe Underdrain, Special 4")
770	Sta	290+55	-	294+40	LT & RT (Pipe Underdrain, 4")
30	Sta	290+55			LT & RT (Pipe Underdrain, Special 4")
455	Sta	294+45	-	299+00	LT (Pipe Underdrain, 4")
177	Sta	294+45	-	296+21	RT (Pipe Underdrain, 4")
6,141	TOTAL				

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US BR 20
SCHEDULE OF QUANTITIES

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
517	(1-2)M & TS	BOONE	74	22
		CONTRACT NO. 64A09		
	ILLINOIS FED. AID PROJECT			

EARTHWORK SCHEDULE

LOCATION	EARTH EXC (CUT) CU YD	EARTH EXC ADJ SHRINK 25% CU YD	EMBANK (FILL) CU YD	EARTH WORK BALANCE WASTE (+) SHORTAGE (-) CU YD
265 + 00 - 271 + 00	424	318	439	-121
271 + 00 - 281 + 00	1182	887	2,039	-1,153
282 + 50 - 286 + 00	443	332	291	41
286 + 00 - 299 + 50	1435	1,076	1,390	-314
TOTAL	3484	2,613	4,159	-1,546

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US BR 20
EARTHWORK SCHEDULE

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
517	(1-2)M & TS	BOONE	74	23
		CONTRACT NO. 64A09		
	ILLINOIS FED. AID PROJECT			

CLASS B PATCHING SCHEDULE

12 FEET LANE WIDTH

STATION	REMARKS	LENGTH OF PATCH			44200970 AREA OF PATCHES TYPE 2			44200974 AREA OF PATCHES TYPE 3			44200976 AREA OF PATCHES TYPE 4			44213200 SAW CUTS (3W+2L) (FEET)	Z0017100 DOWEL BARS (EACH)	Z0075300 TIE BARS (EACH)	42001200 PAVEMENT FABRIC (SQ YD)
		LT LANE (FEET)	MEDIAN (FEET)	RT LANE (FEET)	LT LANE (SQ YD)	MEDIAN (SQ YD)	RT LANE (SQ YD)	LT LANE (SQ YD)	MEDIAN (SQ YD)	RT LANE (SQ YD)	LT LANE (SQ YD)	MEDIAN (SQ YD)	RT LANE (SQ YD)				
US 20 BR																	
265 + 65	Median = 20'	6	6	6	8.0	13.3	8.0							156	76		
265 + 65	Outside Lane	6			8.0									48	20		
266 + 3	Median = 18'	6	6	20	8.0	12.0							26.7	178	72	9	26.7
266 + 3	Outside Lane	6			8.0									48	20		
266 + 44		6			8.0									48	20		
266 + 44	Outside Lane	6			8.0									48	20		
266 + 83				40									53.3	116	20	19	53.3
267 + 20	Median = 9'	6	6	6	8.0	6.0	8.0							123	54		
267 + 20	Outside Lane	6			8.0									48	20		
267 + 65	Median = 7'		6	15						20.0				99	30		20.0
268 + 00	Median = 6'		6											30	8		
268 + 46	Median = 5'		6											27	6		
268 + 81	Median = 5'		6											27	6		
269 + 32	Median = 5'	6	6	6	8.0		8.0							111	46		
269 + 67	Median = 5'		6											27	6		
270 + 2	Median = 4'		6											24	4		
270 + 86	Median = 3'		6	6			8.0							69	22		
271 + 23	Median = 2'	6	6	6	8.0		8.0							102	40		
271 + 63				6			8.0							48	20		
272 + 6				44									58.7	124	20	21	58.7
272 + 44				6			8.0							48	20		
272 + 85				30									40.0	96	20	14	40.0
273 + 24		6		6	8.0		8.0							96	40		
273 + 63				6			8.0							48	20		
274 + 6		6			8.0									48	20		
274 + 80				6			8.0							48	20		
275 + 27				6			8.0							48	20		
275 + 67		6		6	8.0		8.0							96	40		
276 + 3				6			8.0							48	20		
276 + 44		6			8.0									48	20		
276 + 89		6		6	8.0		8.0							96	40		
278 + 5		6		6	8.0		8.0							96	40		
278 + 50		6		6	8.0		8.0							96	40		
279 + 21		6		6	8.0		8.0							96	40		
280 + 43		6		60	8.0								80.0	204	40	29	80.0
281 + 23		8		6	10.7		8.0							100	40		

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US BR 20
CLASS B PATCHING SCHEDULE

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
517	(1-2)M & TS	BOONE	74	24
		CONTRACT NO. 64A09		
	ILLINOIS	FED. AID PROJECT		

CLASS B PATCHING SCHEDULE

12 FEET LANE WIDTH

STATION	REMARKS	LENGTH OF PATCH			44200970 AREA OF PATCHES TYPE 2			44200974 AREA OF PATCHES TYPE 3			44200976 AREA OF PATCHES TYPE 4			44213200 SAW CUTS (3W+2L) (FEET)	Z0017100 DOWEL BARS (EACH)	Z0075300 TIE BARS (EACH)	42001200 PAVEMENT FABRIC (SQ YD)
		LT LANE (FEET)	MEDIAN (FEET)	RT LANE (FEET)	LT LANE (SQ YD)	MEDIAN (SQ YD)	RT LANE (SQ YD)	LT LANE (SQ YD)	MEDIAN (SQ YD)	RT LANE (SQ YD)	LT LANE (SQ YD)	MEDIAN (SQ YD)	RT LANE (SQ YD)				
US 20 BR CONT.																	
281 + 59		6		6	8.0		8.0							96	40		
282 + 85		6		6	8.0		8.0							96	40		
283 + 60		6		6	8.0		8.0							96	40		
284 + 45		6		6	8.0		8.0							96	40		
284 + 86				6			8.0							48	20		
286 + 9		6		6	8.0		8.0							96	40		
286 + 51				6			8.0							48	20		
287 + 68				6			8.0							48	20		
288 + 4				6			8.0							48	20		
288 43				6			8.0							48	20		
288 + 85				8			10.7							52	20		
289 + 31		6		6	8.0		8.0							96	40		
290 + 5				6			8.0							48	20		
290 + 82				6			8.0							48	20		
291 + 20				6			8.0							48	20		
292 + 44		6		6	8.0		8.0							96	40		
292 + 88		6		6	8.0		8.0							96	40		
294 + 46				6			8.0							48	20		
295 + 66				6			8.0							48	20		
296 + 4		6		6	8.0		8.0							96	40		
296 + 75		6		6	8.0		8.0							96	40		
294 + 21		6		6	8.0		8.0							96	40		
297 + 90				60									80.0	156	20	29	80.0
298 + 20		6			8.0									48	20		
298 + 40	Median = 2'	6	6	6	8.0		8.0							102	40		
298 + 80	Median = 4'		6	6			8.0							72	24		
299 + 59	Median = 6'		6	6			8.0							78	28		
300 + 00	Median = 7'	6	6		8.0									81	30		
300 + 39	Median = 8'	6	6	6	8.0	5.3	8.0							120	52		
300 + 77	Median = 9'		6	6		6.0	8.0							87	34		
301 + 16	Median = 11'	6	6	6	8.0	7.3	8.0							129	58		
301 + 56	Median = 12'		6			8.0								48	20		
301 + 99	Median = 13'	6	6	6	8.0	8.7	8.0							135	62		
Lane Totals					298.7	66.7	378.7			20.0			338.7				
Total					744.0					20.0			338.7	5,457	2,058	121	358.7

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US BR 20
CLASS B PATCHING SCHEDULE

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
517	(1-2)M & TS	BOONE	74	25
		CONTRACT NO. 64A09		
	ILLINOIS	FED. AID PROJECT		

HOT-MIX ASPHALT SCHEDULE

LOCATION	REMARKS (END LOCATION)	LENGTH	PROPOSED SURFACE		40600200 BIT MATERIAL PRIME COAT (2 APPLICATIONS)	40600300 AGG PRIME COAT	40600735 POLYMERIZED LEVEL BINDER (HM) N70 (10 TON/MILE)	40600837 POLYMERIZED LEVEL BINDER (MM) N70	40603310 HOT-MIX ASPHALT SURFACE COURSE MIX "C", N50	40603085 HOT-MIX ASPHALT BINDER COURSE IL-19.0, N70	40603540 POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE MIX "D", N70	48203019 HOT-MIX ASPHALT SHOULDERS 5 1/2"	48203029 HOT-MIX ASPHALT SHOULDERS 8"
			Width	Sq Yd	Ton	Ton	Ton	Ton	Ton	Ton	Ton	Sq Yd	Sq Yd
US 20 BR Mainline													
Sta 265+21.5 - 265+71.5	Butt Joint	50	58.1' -55.3'	315.0	0.18	0.47	0.09	22.1			26.5		
Sta 265+71.5 - 267+72.2		200.7	55.3' -41.5'	1,077.6	0.62	1.62	0.38	75.4			90.5		
Sta 267+72.2 - 275+64.2	Start Widening - LT	792	42.5' -40.2'	3,541.1	2.03	5.31	1.50	247.9			297.5		
Sta 275+64.2 - 280+25.8	Start RT Turn Lane	461.6	40.2' -51.8'	2,483.5	1.42	3.73	0.87	173.8			208.6		
Sta 280+25.8 - 280+75.8	50' Milling Taper	50	51.8'	288.3	0.16	0.43	0.09	20.2			24.2		
Sta 280+75.8 - 283+81.8		306	51.8' & Var	2,556.5	1.46	3.83	0.58	179.0			214.7		
Sta 283+81.8 - 284+31.8	50' Milling Taper	50	52'	288.9	0.17	0.43	0.09	20.2			24.3		
Sta 284+31.8 - 287+99.6	End Right RT Turn Lane	367.8	52' -40.9'	1,973.9	1.13	2.96	0.70	138.2			165.8		
Sta 287+99.6 - 296+21.7	End of Widening - RT	822.1	39.9'	3,638.9	2.08	5.46	1.56	254.7			305.7		
Sta 296+21.7 - 301+79.6		557.9	39.9' -40.6'	2,466.6	1.41	3.70	1.06	172.7			207.2		
Sta 301+79.6 - 302+29.6	Butt Joint	50	40.6' -42.2'	229.8	0.13	0.34	0.09	16.1			19.3		
US 20 BR Widening													
Sta 267+70.9-275+64.5	Start of Widening RT w/ 10"	793.6	1' -10.7'	1,079.1	0.62	1.62				604.3			
Sta 275+64.5-280+25.8	Start of RT Turn Lane w/ 10"	461.3	10.7' -16.1'	1,263.3	0.72	1.89				707.4			
Sta 280+25.8-280+75.8	50' Taper & 12.5" Binder	50	16.1' -28'	155.9	0.09	0.23				109.1			
Sta 280+75.8-280+81.2	End of Widening RT & 12.5"	5.4	28'	16.8	0.01	0.03				11.8			
Sta 282+54.0-283+81.8	Start of Widening LT & 12.5"	127.8	1' -12'	137.7	0.08	0.21				96.4			
Sta 283+81.8-284+31.8	50' Taper & 12.5" Binder	50	12'	66.7	0.04	0.10				46.7			
Sta 284+31.8-287+99.6	End of Widening LT w/ 10"	367.8	12' -1'	342.0	0.20	0.51				191.5			
Sta 283+81.8-284+31.8	Start of Widening RT & 12.5"	50	12' -1'	87.6	0.05	0.13				61.3			
Sta 284+31.8-296+21.8	End of Widening RT w/ 10"	1190	15.8' -16'	2,114.2	1.21	3.17				1,184.0			

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US BR 20
HOT-MIX ASPHALT SCHEDULE

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
517	(1-2)M & TS	BOONE	74	26
		CONTRACT NO. 64A09		
	ILLINOIS FED. AID PROJECT			

HOT–MIX ASPHALT SCHEDULE

LOCATION	REMARKS (END LOCATION)	LENGTH	PROPOSED SURFACE		40600200 BIT MATERIAL PRIME COAT (2 APPLICATIONS)	40600300 AGG PRIME COAT	40600735 POLYMERIZED LEVEL BINDER (HM) N70 (10 TON/MILE)	40600837 POLYMERIZED LEVEL BINDER (MM) N70	40603310 HOT-MIX ASPHALT SURFACE COURSE MIX "C", N50	40603085 HOT-MIX ASPHALT BINDER COURSE IL-19.0, N70	40603540 POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE MIX "D", N70	48203019 HOT-MIX ASPHALT SHOULDERS 5 1/2"	48203029 HOT-MIX ASPHALT SHOULDERS 8"
			Width	Sq Yd	Ton	Ton	Ton	Ton	Ton	Ton	Ton	Sq Yd	Sq Yd
US 20 BR Shoulder - LT													
Sta 265+21.5-265+81.5	Start Full-Depth Shoulder	60	4' - 10'	46.6	0.01				6.5			46.6	
Sta 265+81.5-280+ 6.8	End Full-Depth Shoulder	1425.3	10'	1,606.2	0.46				224.9			1,606.2	
Sta 280+ 6.8-280+25.8		19	10'	22.4	0.01				3.1			22.4	
Sta 280+25.8-280+75.8		50	10' & Var	59.5	0.02				8.3			59.5	
Sta 280+75.8-281+47.7		71.9	10' & Var	53.4	0.02				7.5			53.4	
Sta 282+48.2-283+81.8	Start Full-Depth Shoulder	133.6	4' & Var	66.1	0.02				9.3				66.1
Sta 283+81.8-284+31.8		50	4'	22.2	0.01				3.1				22.2
Sta 284+31.8-286+25.0		193.2	4'	85.9	0.02				12.0			85.9	
Sta 286+25.0-287+99.6	Start Agg Base Cse, TY B	174.6	4' & Var	109.7	0.03				15.4			109.7	
Sta 287+99.6-296+34.3		834.7	10'	942.4	0.27				131.9			942.4	
Sta 296+34.3-299+ 0.0	End Full-Depth Shoulder	265.7	10'	301.3	0.09				42.2			301.3	
Sta 299+ 0.0-302+29.6		329.6	10'	380.7	0.11				53.3			380.7	
US 20 BR Shoulder - RT													
Sta 265+21.5-265+81.5	Start Full-Depth Shoulder	60	4' - 10'	47.8	0.01				6.7			47.8	
Sta 265+81.5-275+64.2		982.7	10'	1,095.0	0.31				153.3			1,095.0	
Sta 275+64.2-280+25.8		461.6	10' - 11'	249.4	0.07				34.9			249.4	
Sta 280+25.8-280+75.8		50	10'	22.2	0.01				3.1				22.2
Sta 280+75.8-280+81.2	End Full-Depth Shoulder	5.4	10' - 4'	2.4	0.00				0.3				2.4
Sta 280+81.2-280+94.3		13.1	4'	5.9	0.00				0.8			5.9	
Sta 283+ 2.5-283+81.8		79.3	4'	65.8	0.02				9.2			65.8	
Sta 283+81.8-284+31.8	Start Full-Depth Shoulder	50	9' & Var	55.4	0.02				7.8				55.4
Sta 284+31.8-296+21.7	End Full-Depth Shoulder	1189.9	10'	1,322.1	0.38				185.1			1,322.1	
Sta 296+21.7-302+29.6		607.9	10'	608.7	0.17				85.2			608.7	
GRAND TOTAL					15.85	36.19	7.0	1320.2	1004.0	3012.5	1584.3	7002.8	168.3

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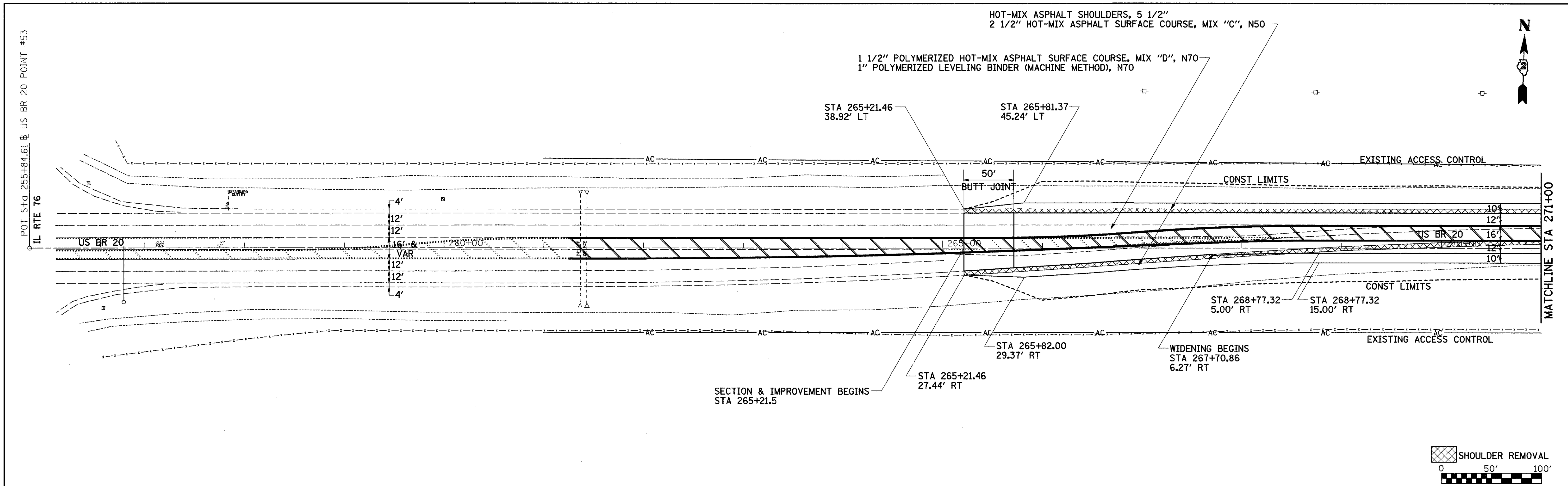
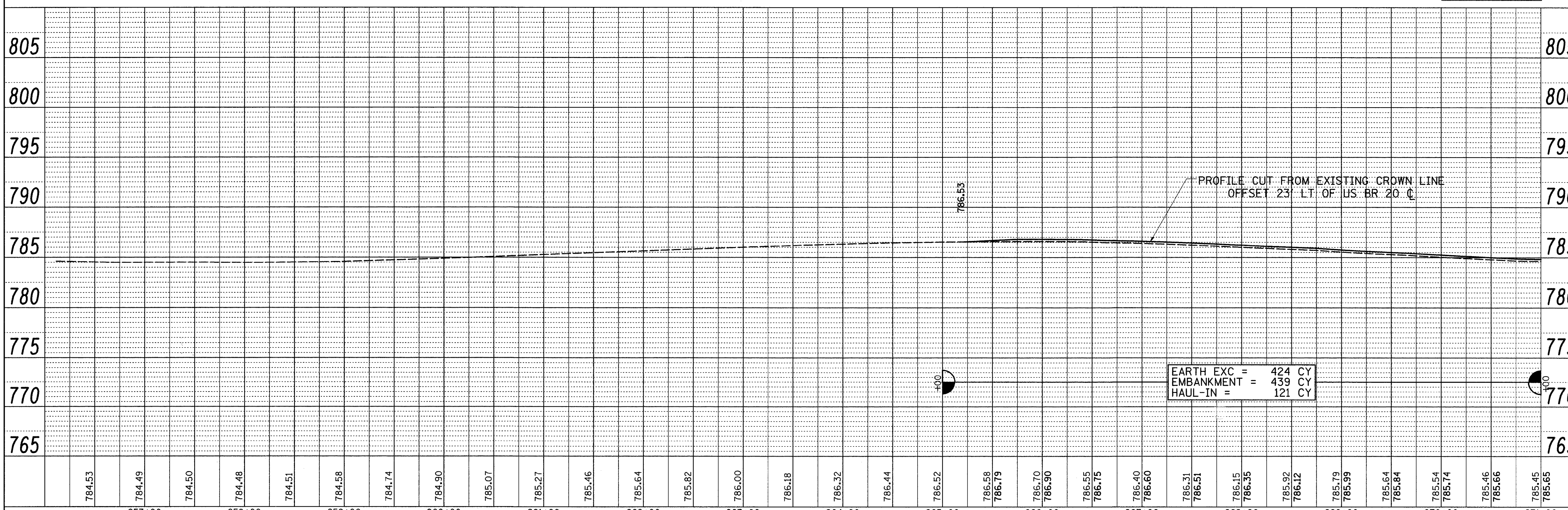
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US BR 20
HOT–MIX ASPHALT SCHEDULE

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
517	(1-2)M & TS	BOONE	74	27
		CONTRACT NO. 64A09		
	ILLINOIS FED. AID PROJECT			





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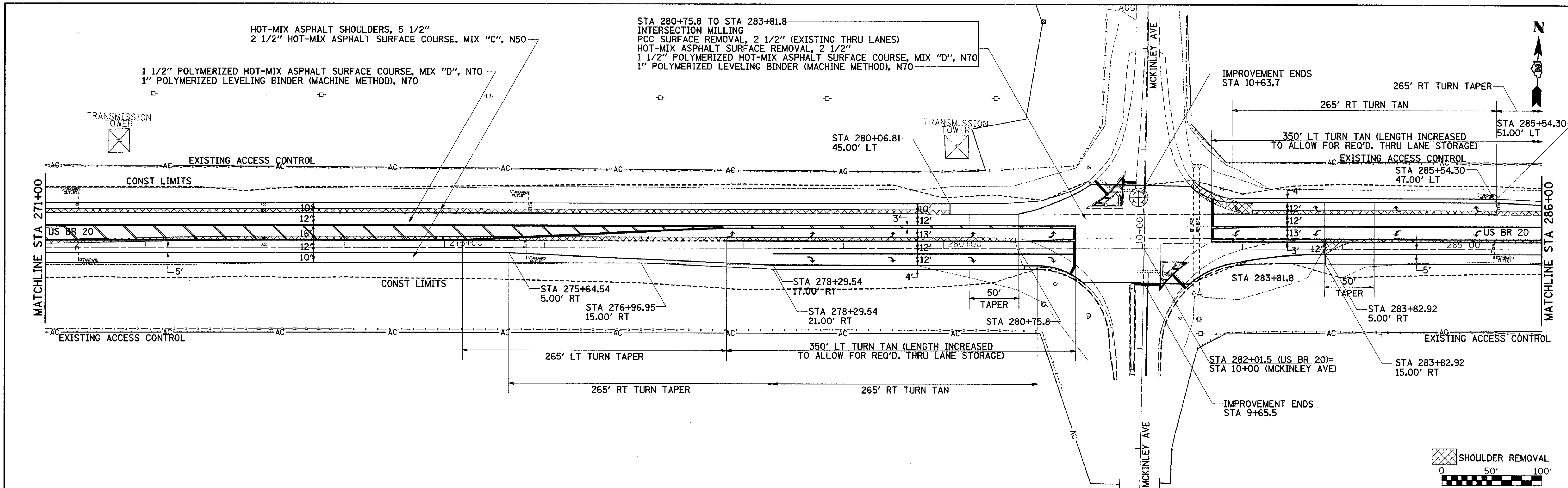
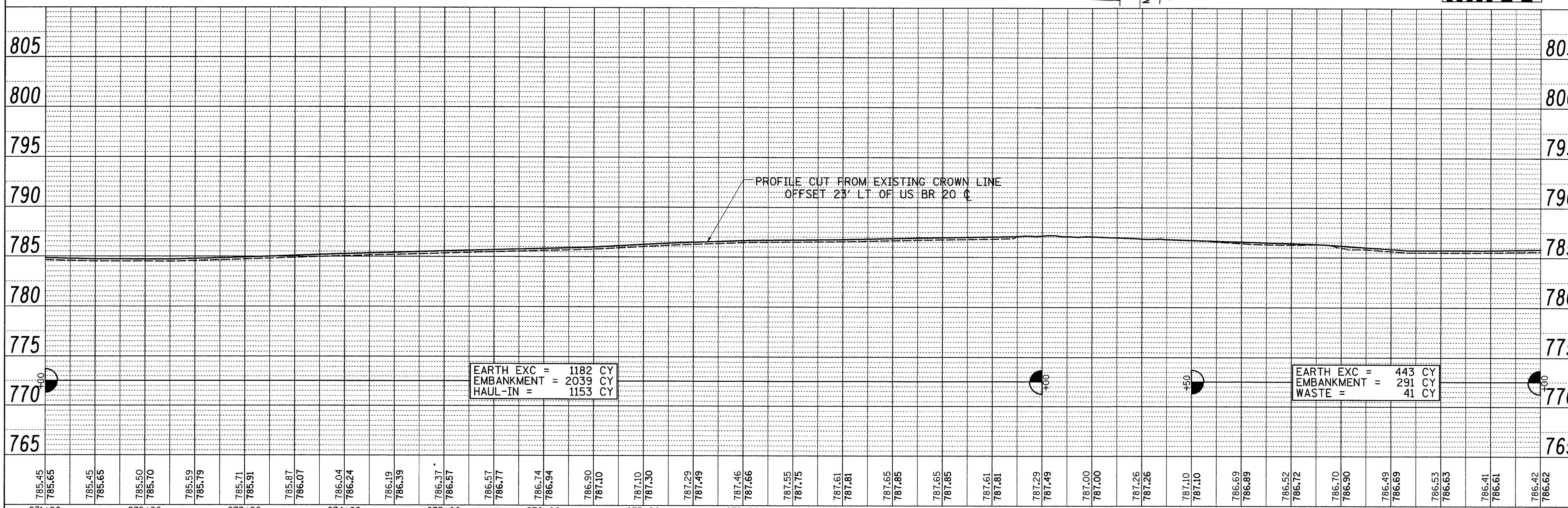
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US BR 20
PLAN & PROFILE

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
517	(1-2)M & TS	BOONE	74	28
		CONTRACT NO. 64A09		
		ILLINOIS	FED. AID PROJECT	





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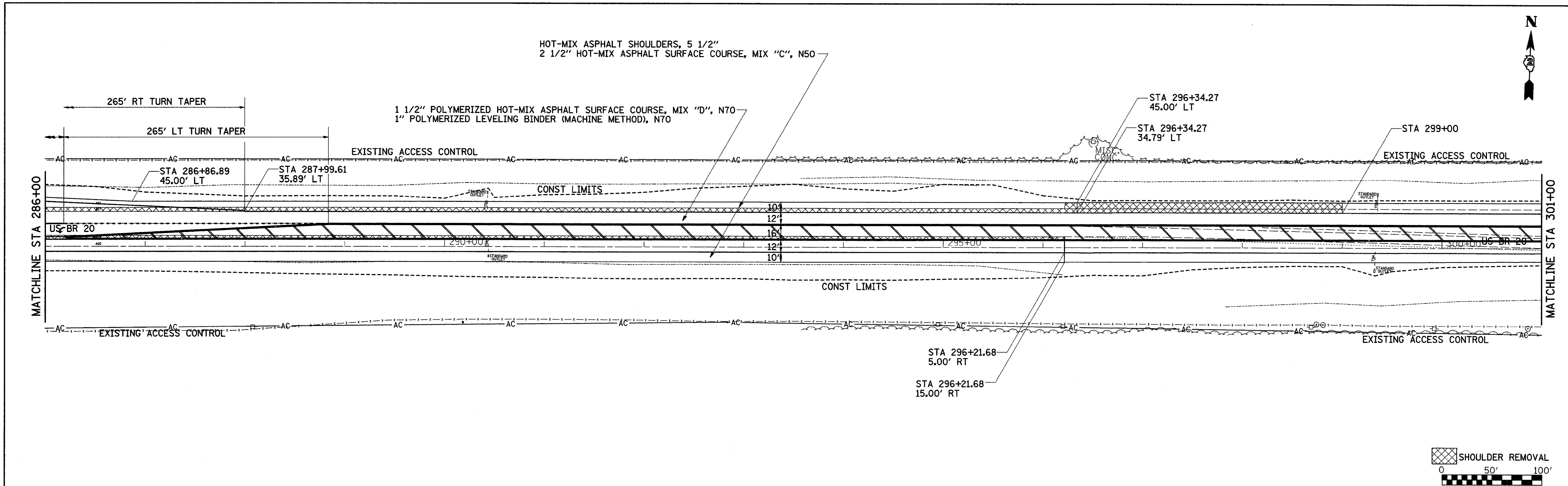
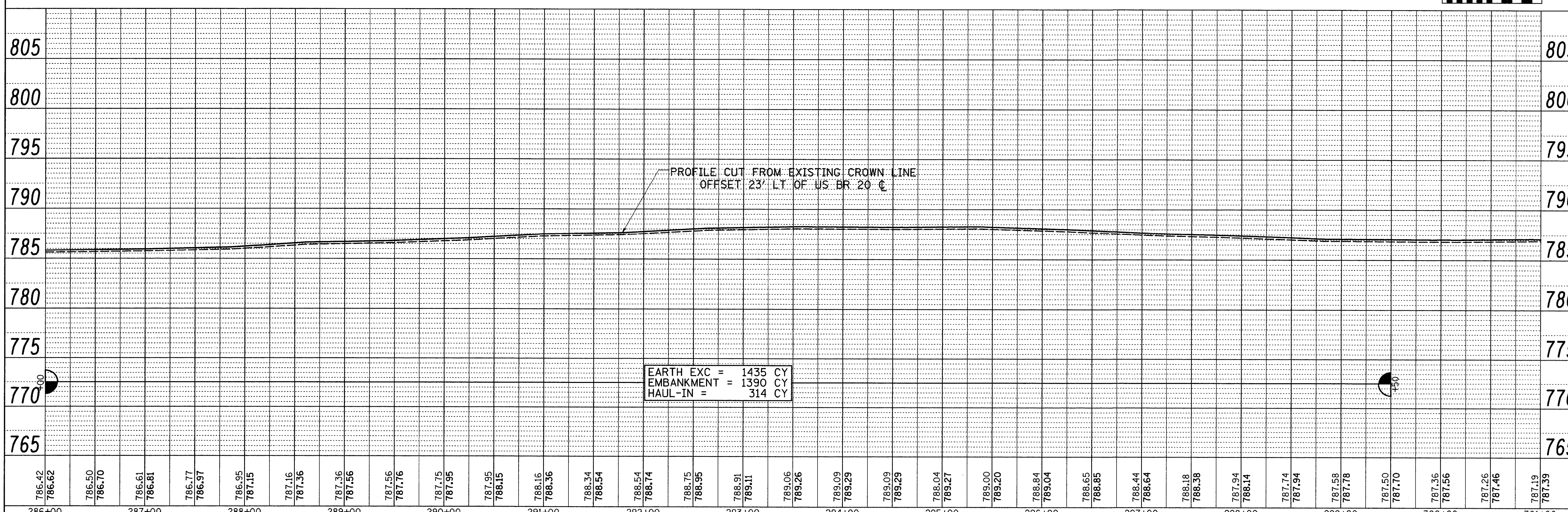
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US BR 20
PLAN & PROFILE

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
517	(1-2)M & TS	BOONE	74	29
		CONTRACT NO. 64A09		
		ILLINOIS FED. AID PROJECT		





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PROFILE — NOTE BOOK NO. ___ — SURVEYED, PLOTTED, GRADES CHECKED, B.M. NOTED, STRUCTURE NOTAT'NS CH'KD — BY — DATE

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US BR 20
PLAN & PROFILE

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
517	(1-2)M & TS	BOONE	74	30
		CONTRACT NO. 64A09		

ILLINOIS | FED. AID PROJECT

1 1/2" POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70
1" POLYMERIZED LEVELING BINDER (MACHINE METHOD), N70

HOT-MIX ASPHALT SHOULDERS, 5 1/2"
2 1/2" HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50

SECTION & IMPROVEMENT ENDS
STA 302+29.6

EXISTING ACCESS CONTROL

MATCHLINE STA 301+00

50' BUTT JOINT

CONST LIMITS
10'
12'
16'
12'
10'
CONST LIMITS

US BR 20

305+00

310+00

US 20 BR

BONUS AVE

BONUS AVE

310+00

POT Sta 316+88.02 @ US BR 20 POINT #42

STANDARD OUTLET

EXISTING ACCESS CONTROL

N

SHOULDER REMOVAL
0 50' 100'

PROFILE CUT FROM EXISTING CROWN LINE
OFFSET 23' LT OF US BR 20 ℄

786.75

805
800
795
790
785
780
775
770
765

787.19 787.39 | 787.16 787.36 | 787.15 787.35 | 786.74 | 786.78 | 786.83 | 786.92 | 787.01 | 787.13 | 787.29 | 787.44 | 787.62 | 787.84 | 788.06 | 788.25 | 788.49 | 788.66 | 788.85 | 788.96 | 789.01 | 789.09 | 789.10 | 789.07 | 788.94 | 788.74 | 788.55 | 788.34 | 788.04 | 787.76 | 787.52 | 787.37

301+00 302+00 303+00 304+00 305+00 306+00 307+00 308+00 309+00 310+00 311+00 312+00 313+00 314+00 315+00 316+00

PLAN: SURVEYED, PLOTTED, ALIGNMENT CHECKED, NOTE BOOK, NO., DATE, BY, CADD FILE NAME

PROFILE: SURVEYED, PLOTTED, GRADES CHECKED, NOTE BOOK, NO., DATE, BY, STRUCTURE NO(TATN)S CHKD

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US BR 20
PLAN & PROFILE

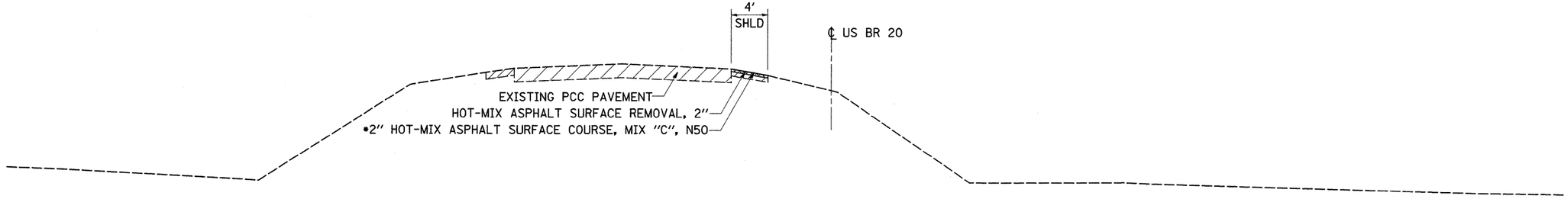
SCALE: | SHEET NO. OF SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
517	(1-2)M & TS	BOONE	74	31
		CONTRACT NO. 64A09		
	ILLINOIS FED. AID PROJECT			

STAGING TYPICAL SECTIONS

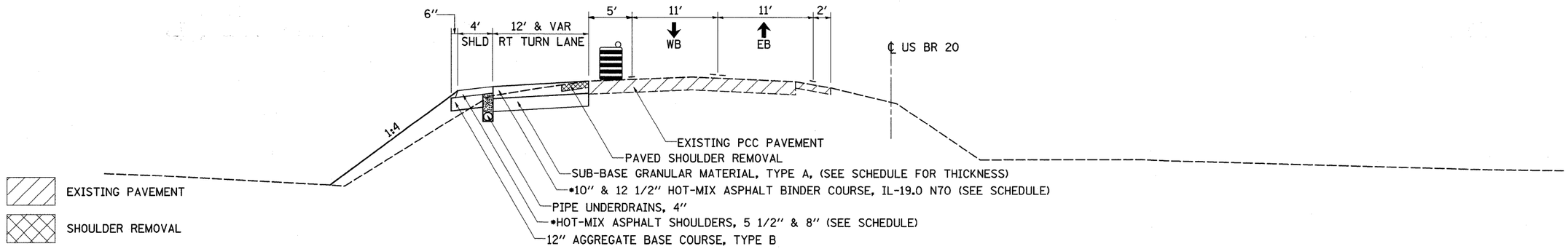
STAGE 1
STA 271+00.0 TO STA 280+81.2 RT
STA 284+06.9 TO STA 296+21.7 RT

1. SETUP & USE TRAFFIC CONTROL & PROTECTION STANDARD 701501 & 701606
2. MILL 2" OF EXISTING HOT-MIX ASPHALT SHOULDERS ON THE RIGHT
3. PLACE 2" OF HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50



STAGE 2
STA 265+21.5 TO STA 280+06.8 LT
STA 282+48.2 TO STA 299+00.0 LT

1. SETUP & USE TRAFFIC CONTROL & PROTECTION STANDARD 701331 & 701606 & AS SHOWN IN THE STAGING PLANS
2. REMOVE THE EXISTING HOT-MIX ASPHALT SHOULDERS AND PIPE UNDERDRAIN SYSTEM ON THE NE QUADRANT & NW QUADRANT
3. PLACE THE SUB-BASE GRANULAR MATERIAL, TYPE A (SEE SCHEDULE FOR THICKNESS)
4. CONSTRUCT THE 10" & 12 1/2" HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70 FOR THE WIDENING (SEE SCHEDULE)
5. PLACE THE 12" AGGREGATE BASE COURSE, TYPE B
6. PLACE THE PIPE UNDERDRAIN, 4"
7. CONSTRUCT THE HOT-MIX ASPHALT SHOULDERS, 5 1/2" & 8" (SEE SCHEDULE)
8. DRESS UP THE SLOPES & DITCHES



* RATE OF APPLICATION 112 LB/SQ YD/IN

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US BR 20
STAGING TYPICAL SECTIONS

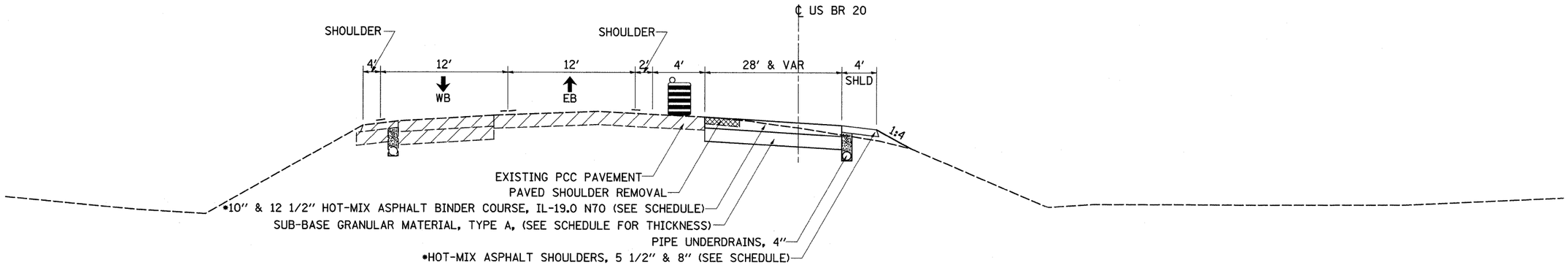
SCALE: | SHEET NO. OF SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
517	(1-2)M & TS	BOONE	74	32
		CONTRACT NO. 64A09		
	ILLINOIS FED. AID PROJECT			

STAGING TYPICAL SECTIONS

STAGE 3
STA 265+21.5 TO STA 280+81.3 RT
STA 283+82.9 TO STA 296+21.1 RT

1. SETUP & USE TRAFFIC CONTROL & PROTECTION STANDARD 701331 & 701606 & AS SHOWN IN THE STAGING PLANS
2. REMOVE THE EXISTING HOT-MIX ASPHALT SHOULDERS AND PIPE UNDERDRAIN SYSTEM
3. PLACE THE SUB-BASE GRANULAR MATERIAL, TYPE A (SEE SCHEDULE FOR THICKNESS)
4. CONSTRUCT THE 10" & 12 1/2" HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70 FOR THE WIDENING (SEE SCHEDULE)
5. PLACE THE PIPE UNDERDRAIN, 4"
6. CONSTRUCT THE HOT-MIX ASPHALT SHOULDERS, 5 1/2" & 8" (SEE SCHEDULE)
7. DRESS UP THE SLOPES & DITCHES



EXISTING PAVEMENT

SHOULDER REMOVAL

* RATE OF APPLICATION 112 LB/SQ YD/IN

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US BR 20
STAGING TYPICAL SECTIONS

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
517	(1-2)M & TS	BOONE	74	33
		CONTRACT NO. 64A09		
	ILLINOIS	FED. AID PROJECT		

STAGE 2

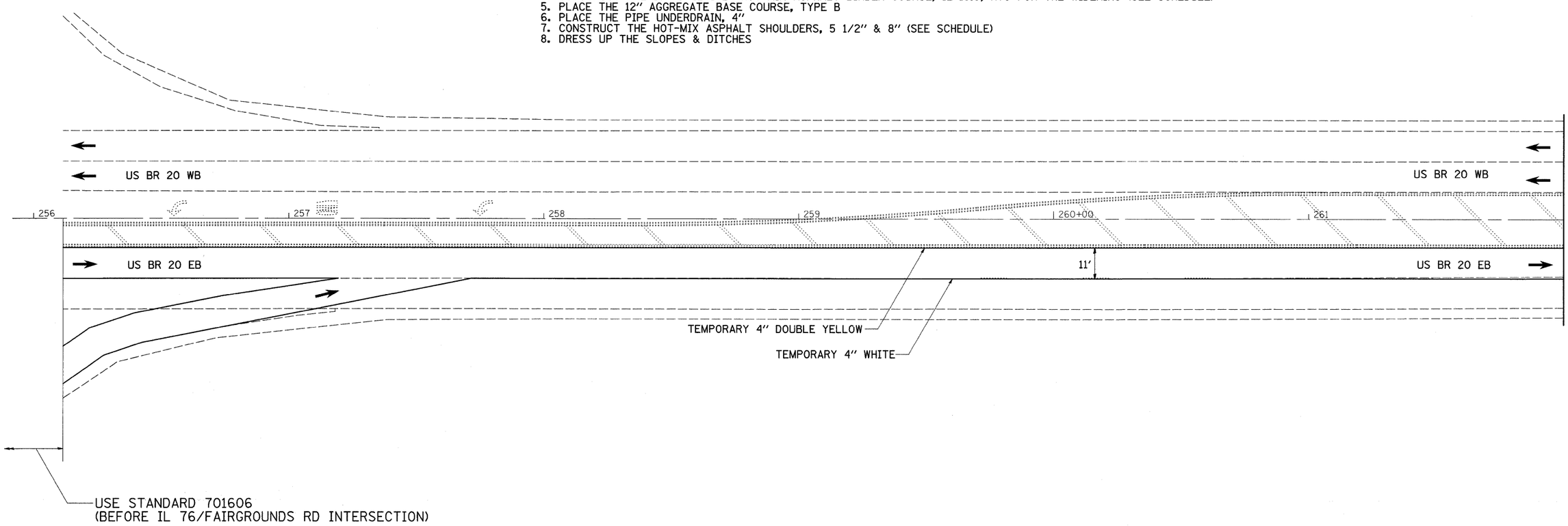
N

STAGE 1
STA 271+00.0 TO STA 280+81.2 RT
STA 284+06.9 TO STA 296+21.7 RT

1. SETUP & USE TRAFFIC CONTROL & PROTECTION STANDARD 701501 & 701606
2. MILL 2" OF EXISTING HOT-MIX ASPHALT SHOULDERS ON THE RIGHT
3. PLACE 2" OF HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50

STAGE 2
STA 265+21.5 TO STA 280+06.8 LT
STA 282+48.2 TO STA 299+00.0 LT

1. SETUP & USE TRAFFIC CONTROL & PROTECTION STANDARD 701331 & 701606 & AS SHOWN IN THE STAGING PLANS
2. REMOVE THE EXISTING HOT-MIX ASPHALT SHOULDERS AND PIPE UNDERDRAIN SYSTEM ON THE NE QUADRANT & NW QUADRANT
3. PLACE THE SUB-BASE GRANULAR MATERIAL, TYPE A (SEE SCHEDULE FOR THICKNESS)
4. CONSTRUCT THE 10" & 12 1/2" HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70 FOR THE WIDENING (SEE SCHEDULE)
5. PLACE THE 12" AGGREGATE BASE COURSE, TYPE B
6. PLACE THE PIPE UNDERDRAIN, 4"
7. CONSTRUCT THE HOT-MIX ASPHALT SHOULDERS, 5 1/2" & 8" (SEE SCHEDULE)
8. DRESS UP THE SLOPES & DITCHES



SYMBOLS

WORK AREA

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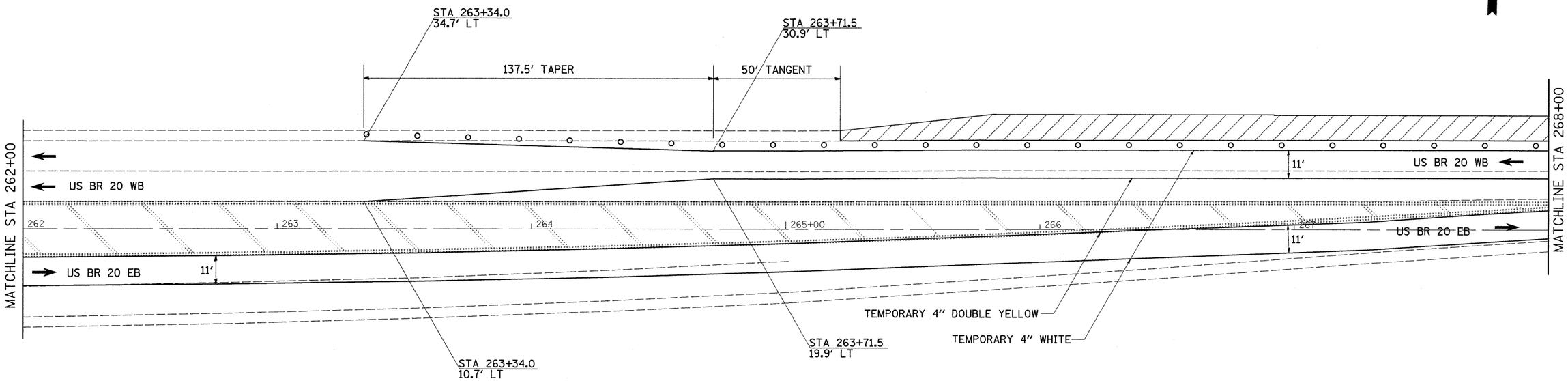
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

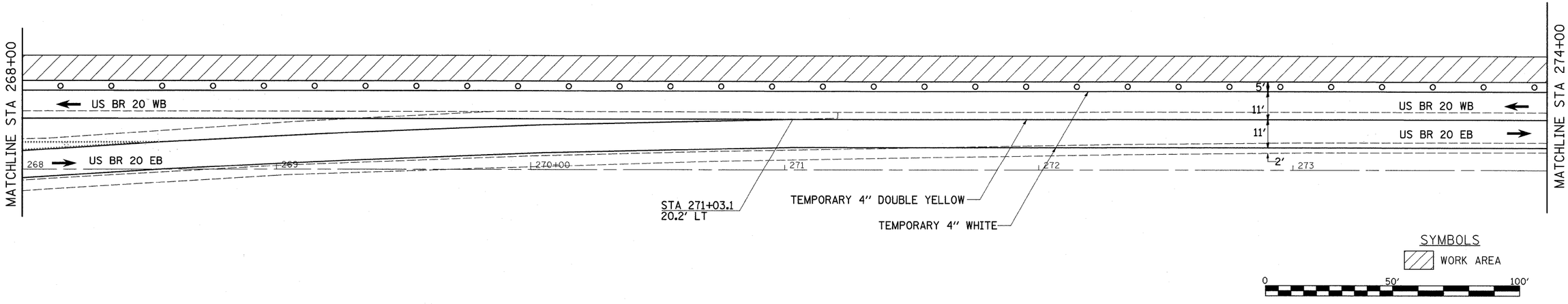
US BR 20
STAGING PLANS

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
517	(1-2)M & TS	BOONE	74	34
		CONTRACT NO. 64A09		
	ILLINOIS FED. AID PROJECT			

STAGE 2





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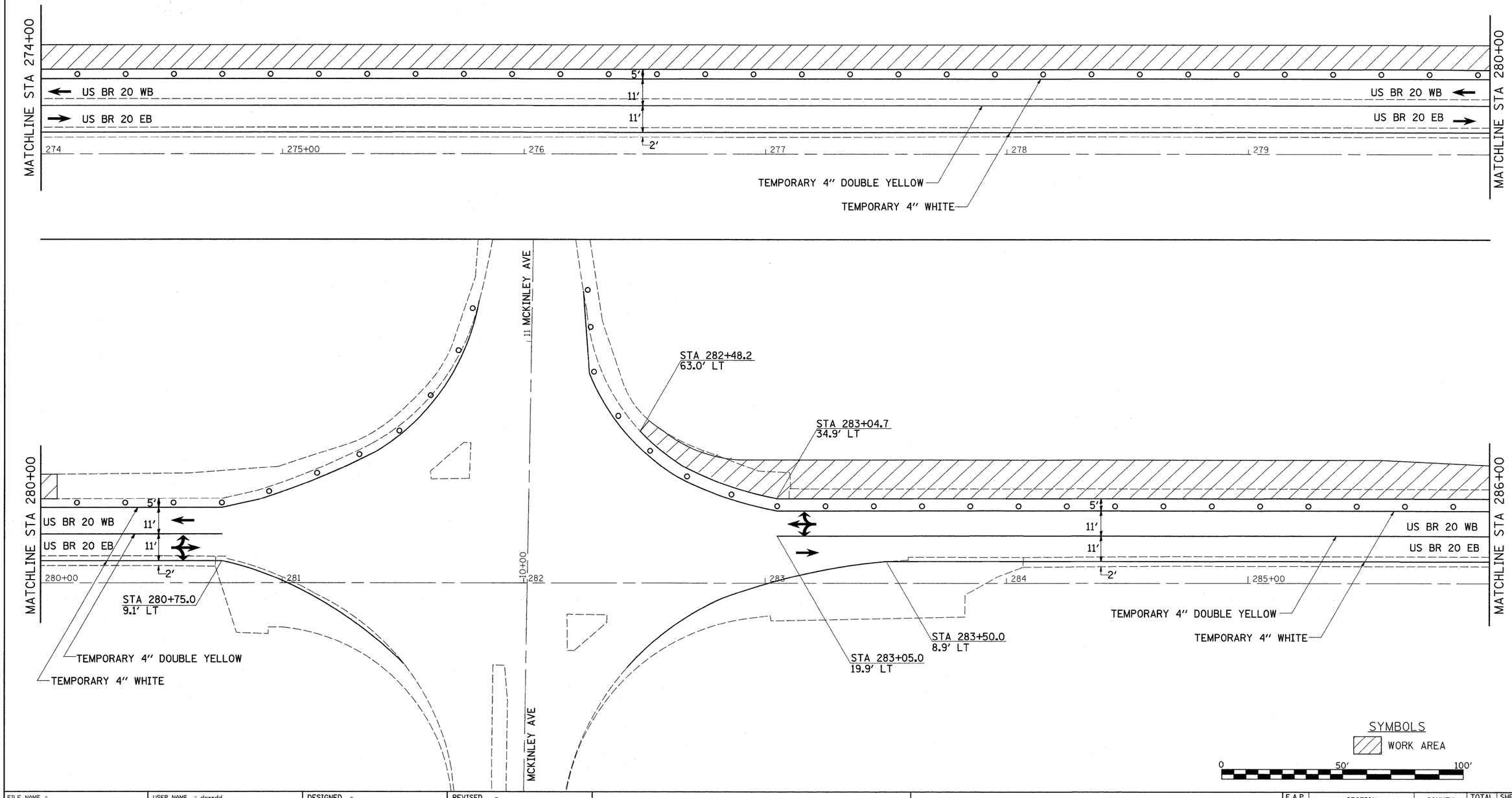
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US BR 20
STAGING PLANS

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
517	(1-2)M & TS	BOONE	74	35
		CONTRACT NO. 64A09		
	ILLINOIS FED. AID PROJECT			

STAGE 2



SYMBOLS

WORK AREA

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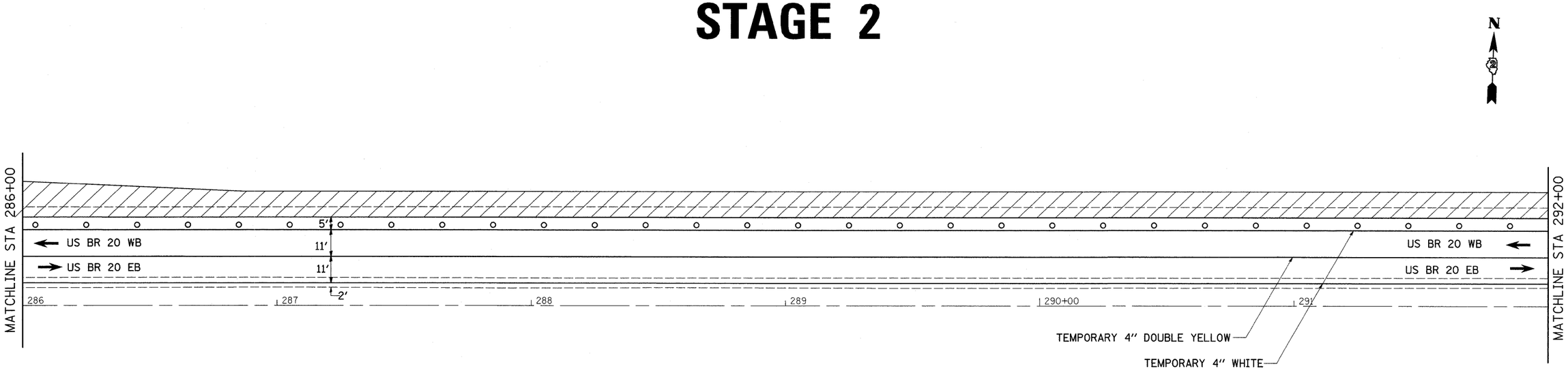
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

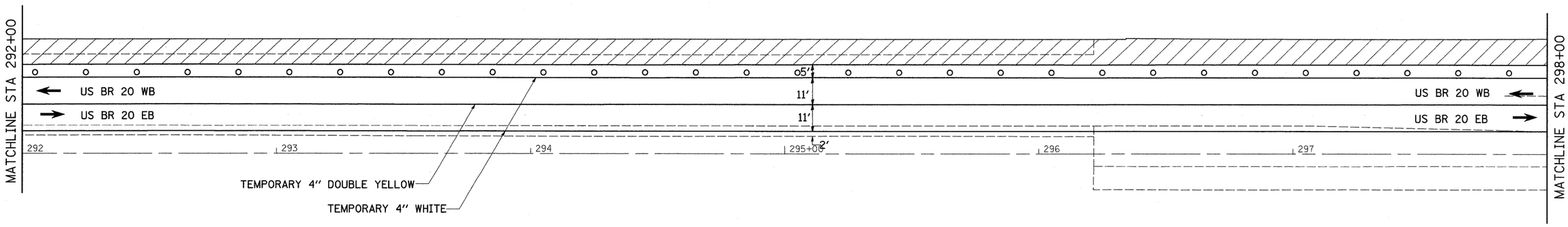
US BR 20
STAGING PLANS

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
517	(1-2)M & TS	BOONE	74	36
		CONTRACT NO. 64A09		
	ILLINOIS FED. AID PROJECT			

STAGE 2





SYMBOLS

WORK AREA

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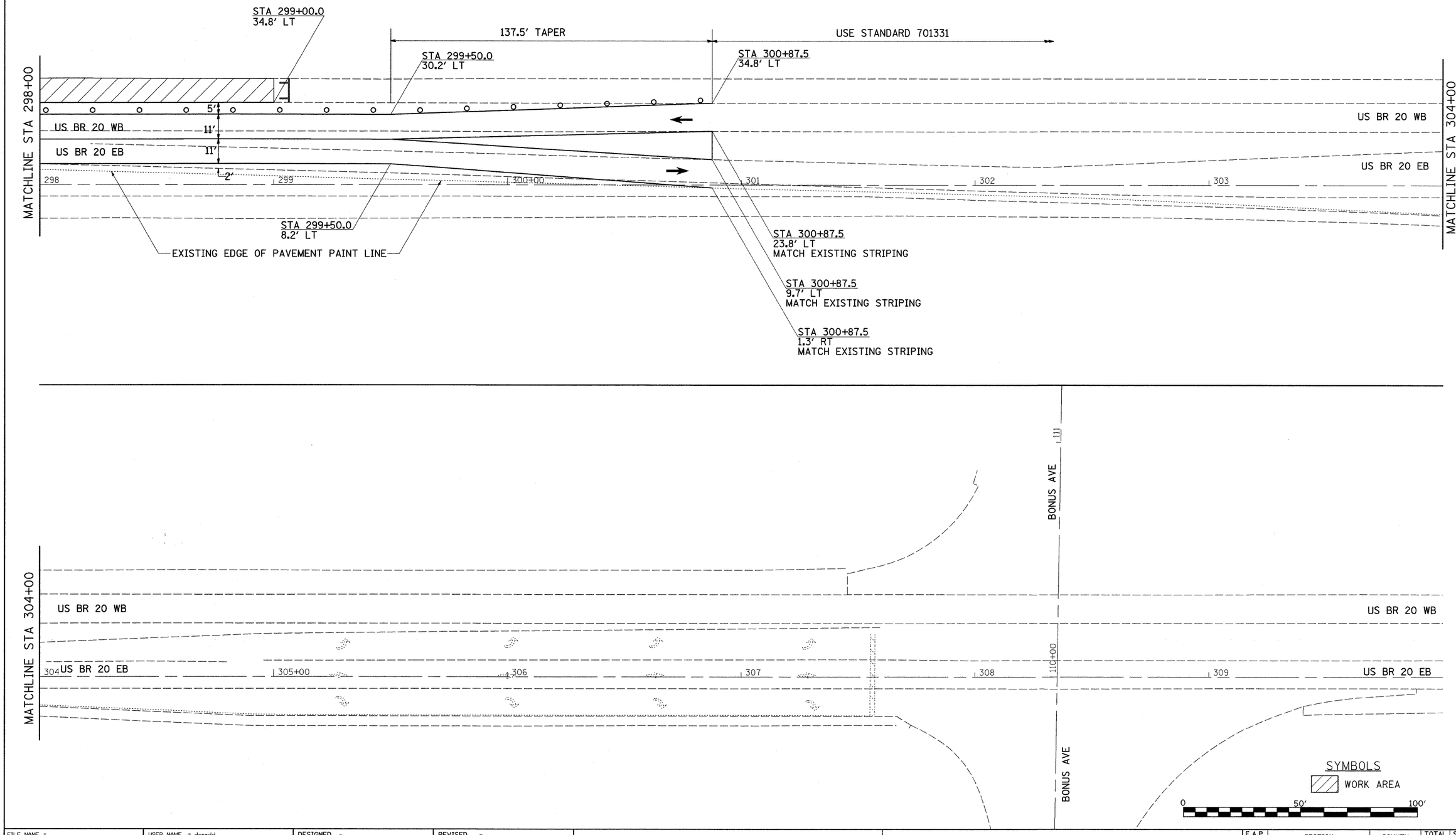
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US BR 20
STAGING PLANS

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
517	(1-2)M & TS	BOONE	74	37
		CONTRACT NO. 64A09		
	ILLINOIS FED. AID PROJECT			

STAGE 2



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US BR 20
STAGING PLANS

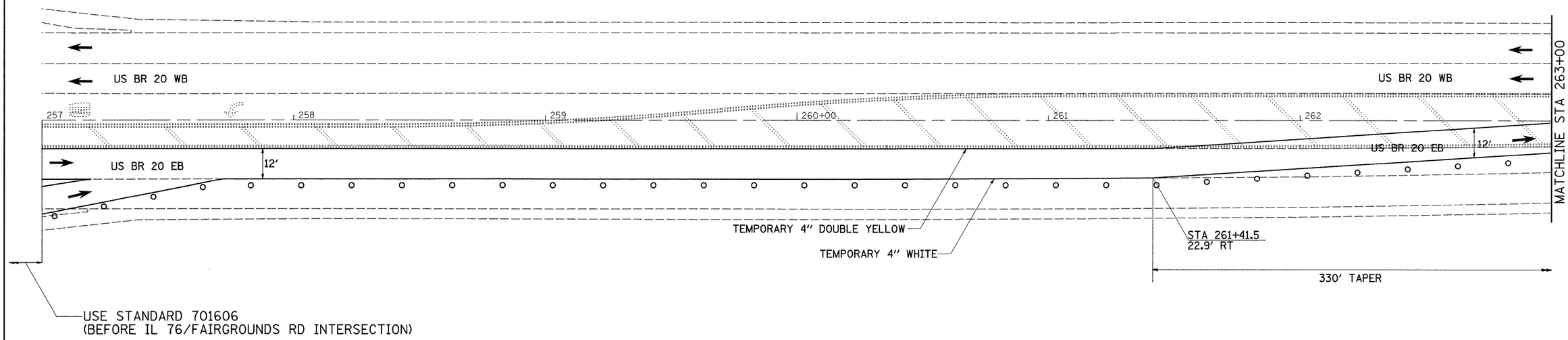
SCALE: | SHEET NO. OF SHEETS | STA. | TO STA.

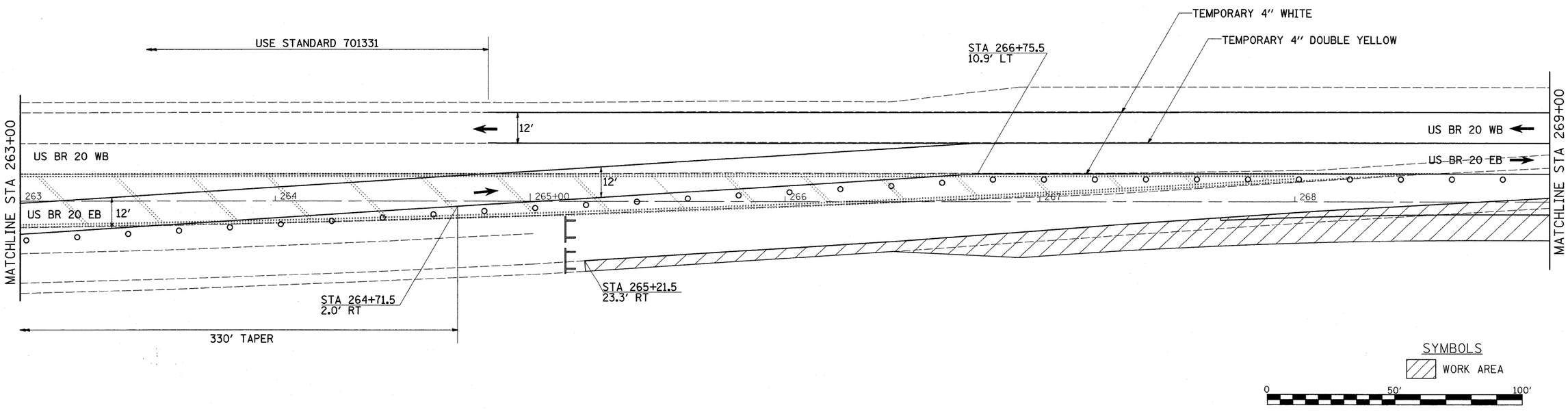
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
517	(1-2)M & TS	BOONE	74	38
		CONTRACT NO. 64A09		
	ILLINOIS FED. AID PROJECT			

STAGE 3

STAGE 3
STA 265+21.5 TO STA 280+81.3 RT
STA 283+82.9 TO STA 296+21.1 RT

1. SETUP & USE TRAFFIC CONTROL & PROTECTION STANDARD 701331 & 701606 & AS SHOWN IN THE STAGING PLANS
2. REMOVE THE EXISTING HOT-MIX ASPHALT SHOULDERS AND PIPE UNDERDRAIN SYSTEM
3. PLACE THE SUB-BASE GRANULAR MATERIAL, TYPE A (SEE SCHEDULE FOR THICKNESS)
4. CONSTRUCT THE 10" & 12 1/2" HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70 FOR THE WIDENING (SEE SCHEDULE)
5. PLACE THE PIPE UNDERDRAIN, 4"
6. CONSTRUCT THE HOT-MIX ASPHALT SHOULDERS, 5 1/2" & 8" (SEE SCHEDULE)
7. DRESS UP THE SLOPES & DITCHES





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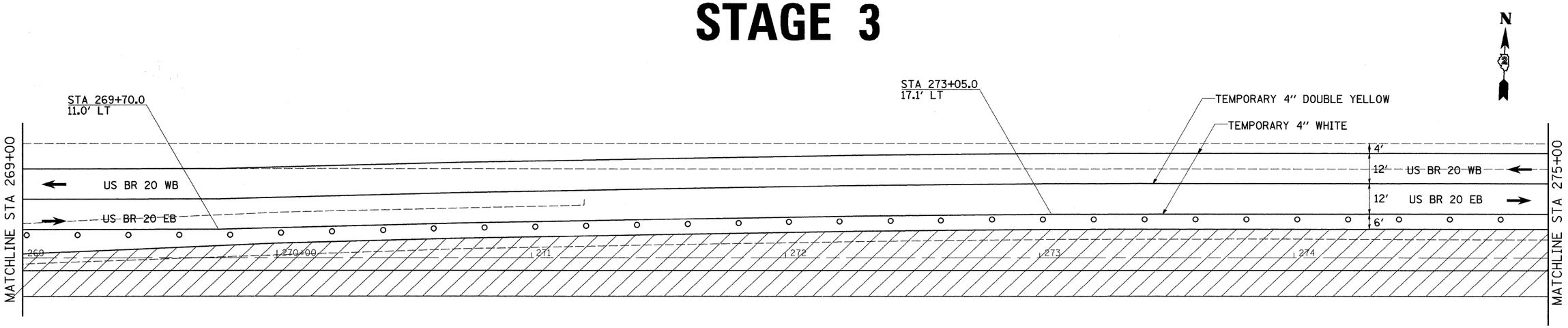
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

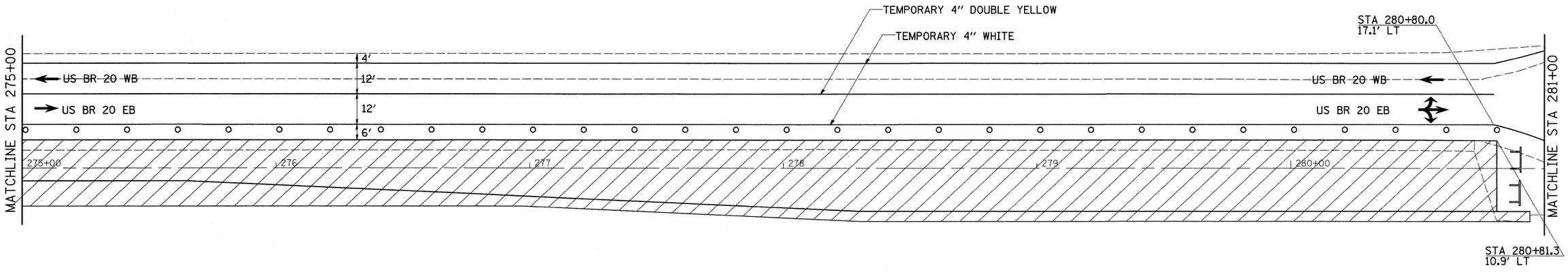
US BR 20
STAGING PLANS

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
517	(1-2)M & TS	BOONE	74	39
		CONTRACT NO. 64A09		
	ILLINOIS	FED. AID PROJECT		

STAGE 3





SYMBOLS

WORK AREA

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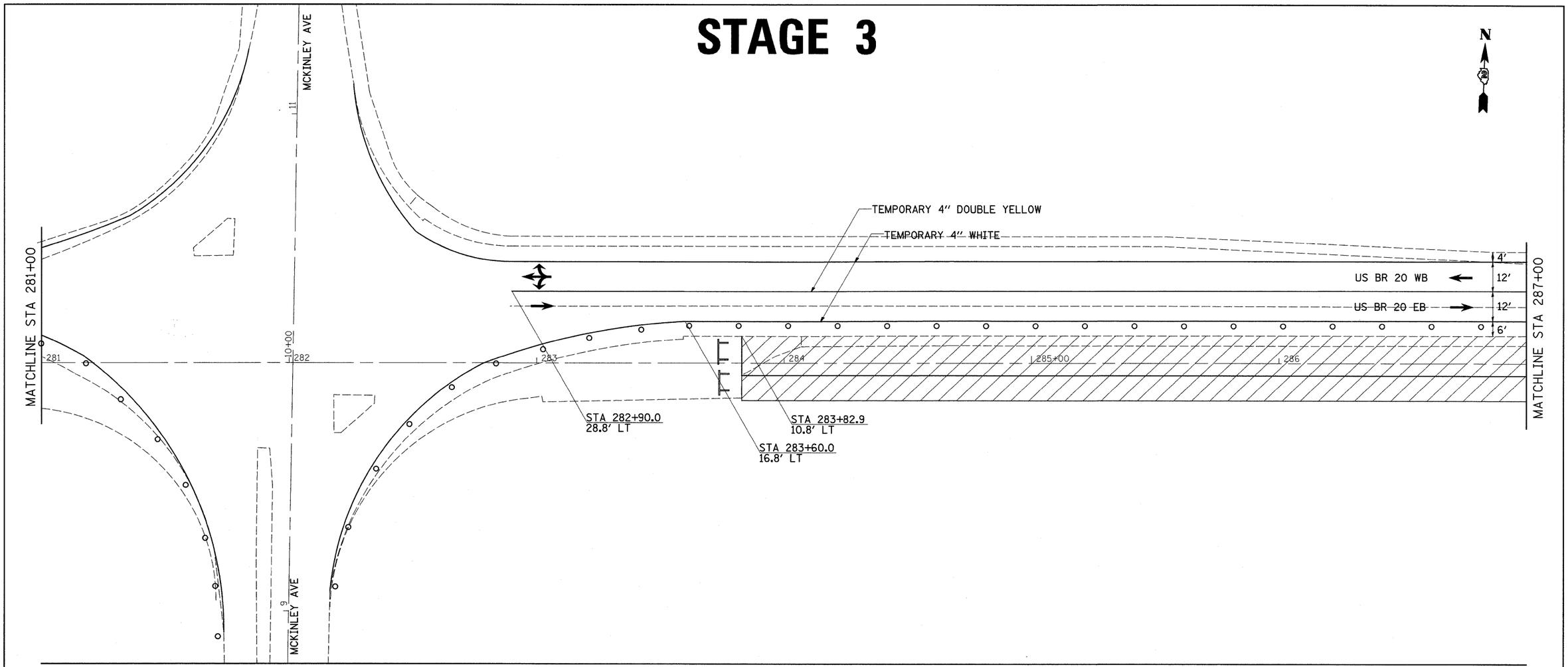
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

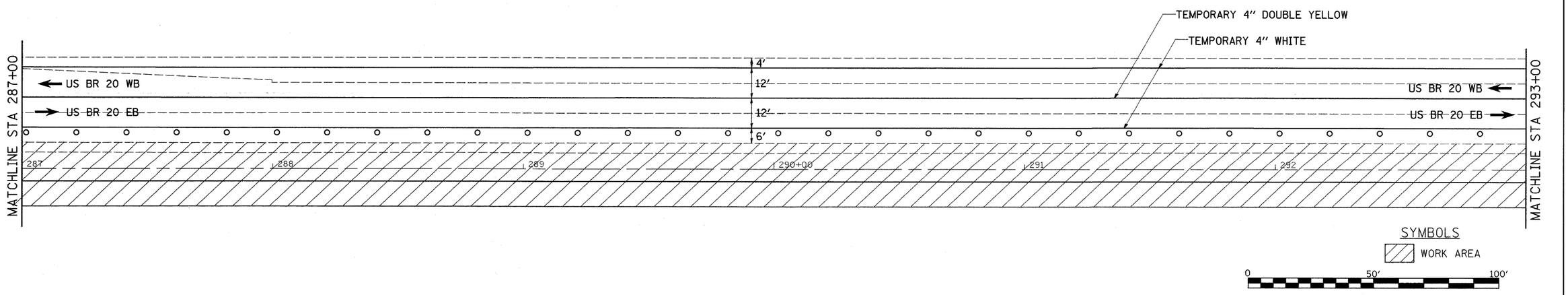
US BR 20
STAGING PLANS

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
517	(1-2)M & TS	BOONE	74	40
		CONTRACT NO. 64A09		
	ILLINOIS	FED. AID PROJECT		

STAGE 3





SYMBOLS

WORK AREA

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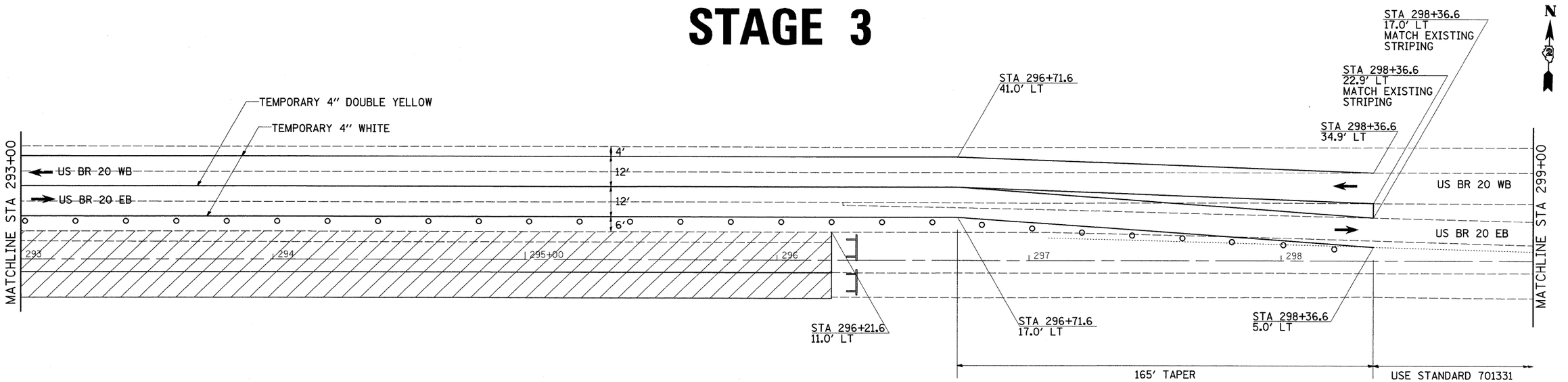
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

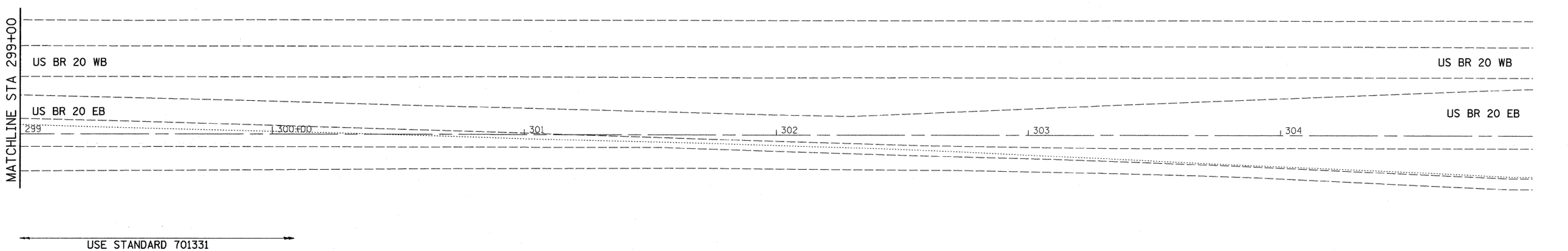
US BR 20
STAGING PLANS

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
517	(1-2)M & TS	BOONE	74	41
		CONTRACT NO. 64A09		
	ILLINOIS FED. AID PROJECT			

STAGE 3





SYMBOLS

WORK AREA

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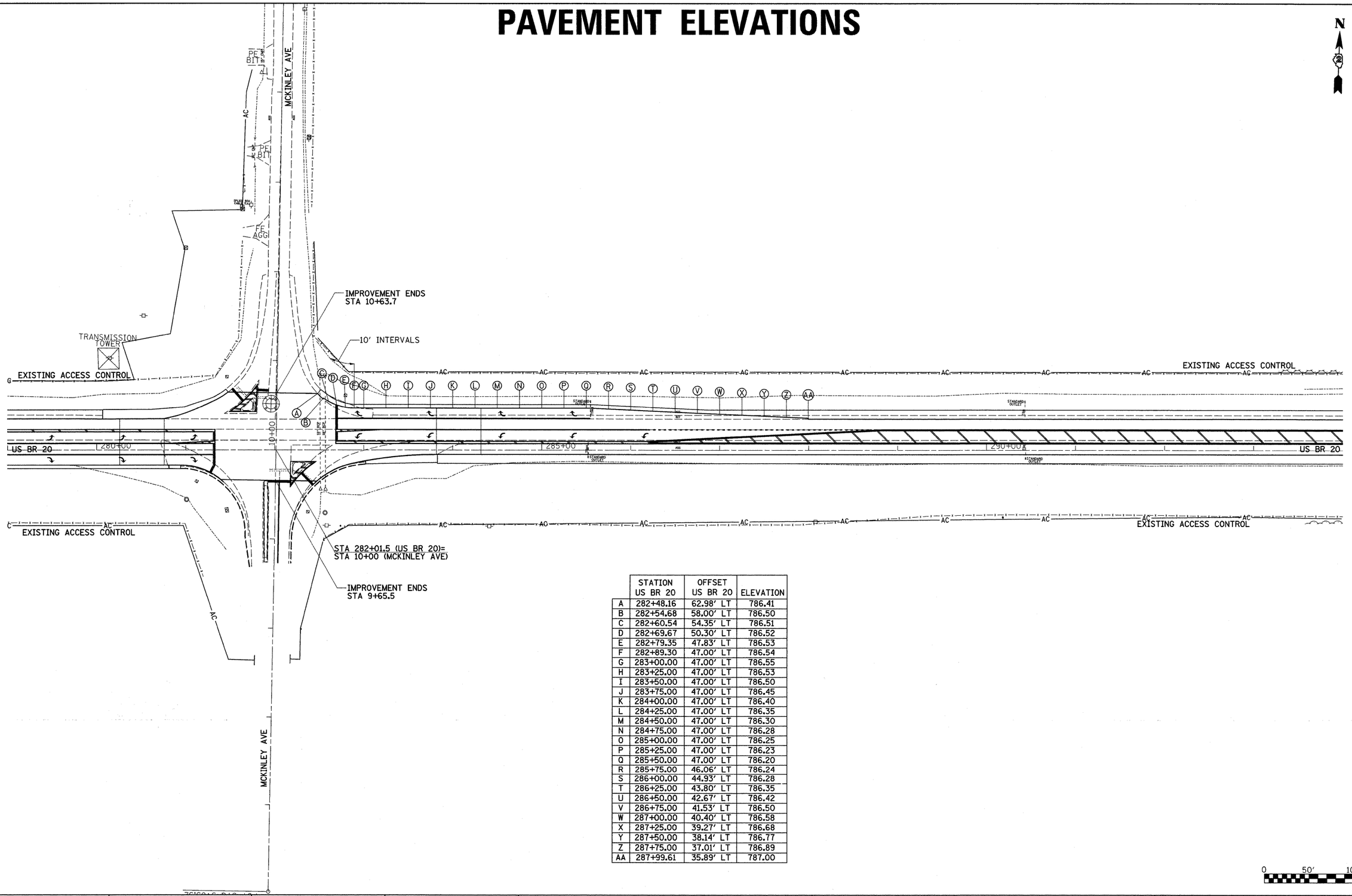
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US BR 20
STAGING PLANS

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
517	(1-2)M & TS	BOONE	74	42
		CONTRACT NO. 64A09		
	ILLINOIS FED. AID PROJECT			

PAVEMENT ELEVATIONS



	STATION US BR 20	OFFSET US BR 20	ELEVATION
A	282+48.16	62.98' LT	786.41
B	282+54.68	58.00' LT	786.50
C	282+60.54	54.35' LT	786.51
D	282+69.67	50.30' LT	786.52
E	282+79.35	47.83' LT	786.53
F	282+89.30	47.00' LT	786.54
G	283+00.00	47.00' LT	786.55
H	283+25.00	47.00' LT	786.53
I	283+50.00	47.00' LT	786.50
J	283+75.00	47.00' LT	786.45
K	284+00.00	47.00' LT	786.40
L	284+25.00	47.00' LT	786.35
M	284+50.00	47.00' LT	786.30
N	284+75.00	47.00' LT	786.28
O	285+00.00	47.00' LT	786.25
P	285+25.00	47.00' LT	786.23
Q	285+50.00	47.00' LT	786.20
R	285+75.00	46.06' LT	786.24
S	286+00.00	44.93' LT	786.28
T	286+25.00	43.80' LT	786.35
U	286+50.00	42.67' LT	786.42
V	286+75.00	41.53' LT	786.50
W	287+00.00	40.40' LT	786.58
X	287+25.00	39.27' LT	786.68
Y	287+50.00	38.14' LT	786.77
Z	287+75.00	37.01' LT	786.89
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US BR 20
PAVEMENT ELEVATIONS

SCALE: | SHEET NO. OF SHEETS | STA. 282+25 | TO STA. 304+00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
517	(1-2)M & TS	BOONE	74	43
		CONTRACT NO. 64A09		
	ILLINOIS	FED. AID PROJECT		

TRAFFIC SIGNALS TABULATION OF QUANTITIES

PAY CODE	ITEM	UNIT	TOTAL QUANTITY	
72000100	SIGN PANEL - TYPE 1	SQ FT	30	002N
80501000	SERVICE INSTALLATION (SPECIAL)	EACH	1	003Y
81702110	ELECTRIC CABLE IN CONDUIT, 600V(XLP-TYPE USE) 1/C No. 10	FOOT	2030	003N
82102250	LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 250 WATT	EACH	4	003N
82500505	LIGHTING CONTROLLER, SPECIAL	EACH	1	003N
85700300	FULL-ACTUATED CONTROLLER AND TYPE V CABINET	EACH	1	003N
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL No. 14 5C	FOOT	2957	003N
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL No. 14 7C	FOOT	995	003N
873018	ELECTRIC CABLE IN CONDUIT, SERVICE, NO 6 4C	FOOT	53	003N
87501100	TRAFFIC SIGNAL POST, 15 FT	EACH	2	003N
87702930	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 40 FOOT	EACH	1	003N
87703000	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 55 FOOT	EACH	3	003N
87800150	CONCRETE FOUNDATION, TYPE C	FOOT	3	003Y
87800415	CONCRETE FOUNDATION, TYPE E 36 INCH DIAMETER	FOOT	58	003Y
87900200	DRILL EXISTING HANDHOLE	EACH	7	003N
88040070	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	2	003N
88040090	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	9	003N
88040150	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	2	003N
88040160	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	2	003N
88200100	TRAFFIC SIGNAL BACKPLATE	EACH	11	003N
X0323153	ELECTRIC CABLE IN CONDUIT, GROUND, No. 6 1C GREEN	FOOT	597	015Y
X0324887	CONDUIT INSTALLED, 2 1/2" DIA., NON-METALLIC	FOOT	82	015Y
X0325335	CONDUIT INSTALLED, 1 1/2" DIA., NON-METALLIC	FOOT	93	015Y
XX003165	VIDEO CAMERA DETECTOR SYSTEM	EACH	1	014Y
X0324134	BATTERY BACK-UP UPS SYSTEM WITH CABINET	EACH	1	015Y

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US BR 20
TRAFFIC SIGNAL PLANS

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
517	(1-2)M & TS	BOONE	74	44
		CONTRACT NO. 64A09		
	ILLINOIS	FED. AID PROJECT		

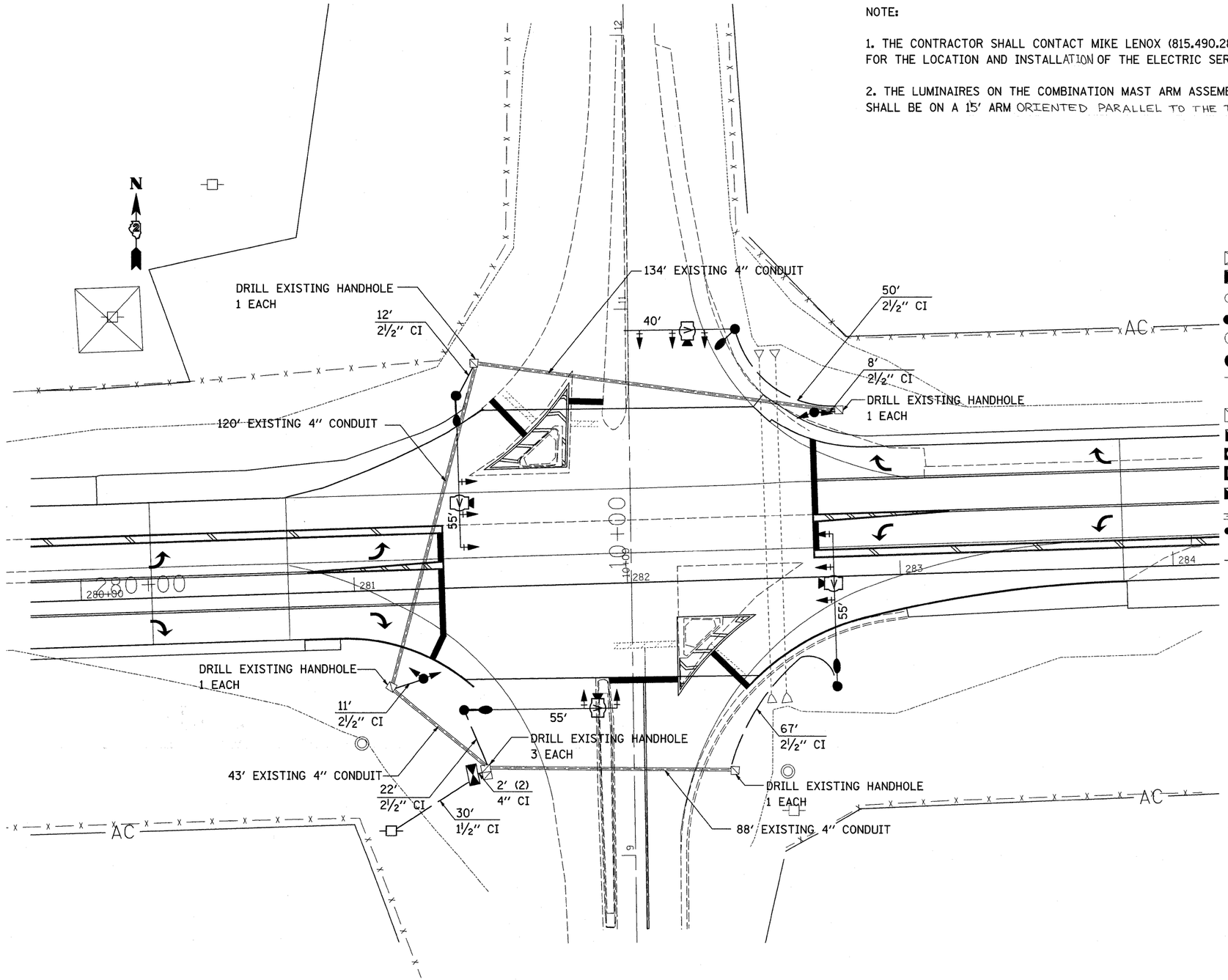
04-sht-ts.dgn

TRAFFIC SIGNAL PLANS

NOTE:

1. THE CONTRACTOR SHALL CONTACT MIKE LENOX (815.490.2869) WITH COM ED FOR THE LOCATION AND INSTALLATION OF THE ELECTRIC SERVICE.

2. THE LUMINAIRES ON THE COMBINATION MAST ARM ASSEMBLIES SHALL BE ON A 15' ARM ORIENTED PARALLEL TO THE TRAFFIC SIGNAL MAST ARM.



LEGEND

- EXISTING CONTROLLER
- NEW CONTROLLER
- EXISTING STEEL MAST ARM ASSEMBLY AND POLE
- NEW STEEL COMBINATION MAST ARM ASSEMBLY AND POLE
- EXISTING SIGNAL HEAD AND POST
- NEW SIGNAL HEAD AND POST
- EXISTING SIGNAL HEAD
- NEW SIGNAL HEAD WITH BACKPLATE
- EXISTING HANDHOLE
- NEW HANDHOLE
- NEW JUNCTION BOX
- NEW HEAVY-DUTY HANDHOLE
- NEW DOUBLE HANDHOLE
- EXISTING CONDUIT (LENGTH AND SIZE)
- NEW LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT 250WATT
  5' / 4" CI — CONDUIT INSTALL PUSHED OR TRENCHED
- UPPER NUMERAL INDICATES LENGTH
- LOWER NUMERAL INDICATES SIZE AND (CI) CONDUIT INSTALLED
- V — VIDEO CAMERA DECTECTION

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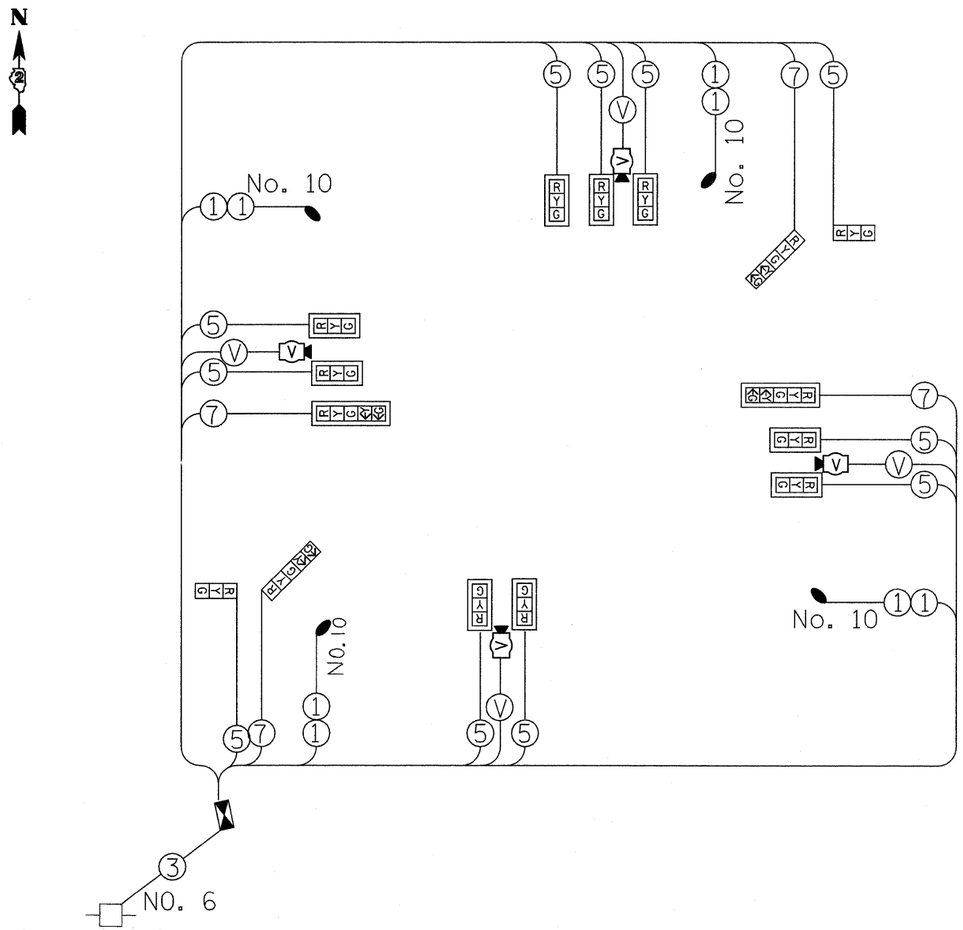
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US BR 20
TRAFFIC SIGNAL PLANS

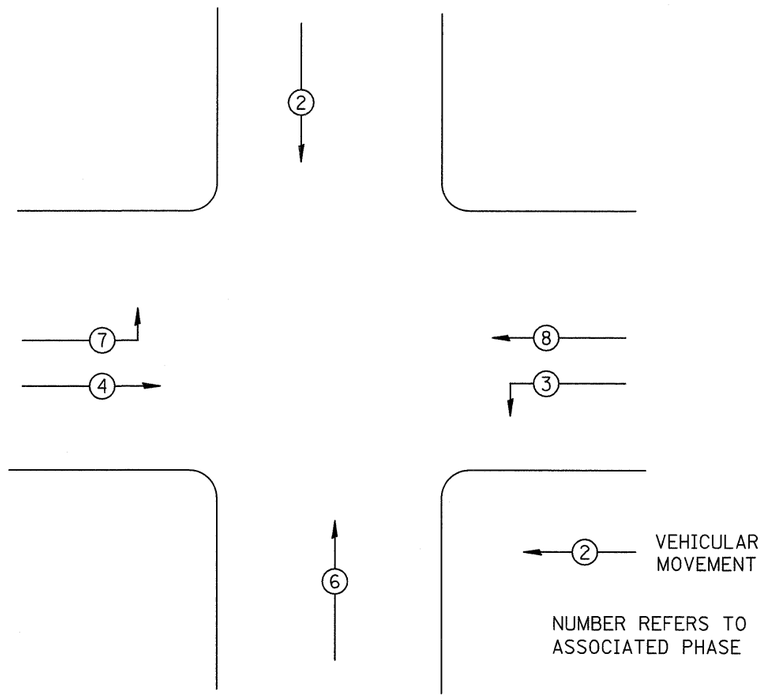
SCALE: | SHEET NO. OF SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
517	(1-2)M & TS	BOONE	74	45
		CONTRACT NO. 64A09		
		ILLINOIS FED. AID PROJECT		

TRAFFIC SIGNAL PLANS



PHASE DESIGNATION DIAGRAM



LEGEND

INDICATES NUMBER OF NEW CONDUCTORS. ALL CABLE IS NO. 14 EXCEPT AS INDICATED.

NEW SIGNAL HEAD WITH OR WITHOUT BACKPLATE

VIDEO CAMERA DETECTION

LUMINAIRE, 250 WATT

DETECTOR ASSIGNMENT		
DETECTOR	PHASE NO.	DIRECTION
A	8	WB FAR ADVANCE
B	8	WB MID ADVANCE
C	8	WB PRESENT
D	3	WB LEFT
E	4	EB FAR ADVANCE
F	4	EB MID ADVANCE
G	4	EB PRESENT
H	7	EB LEFT
I	2	SB ADVANCE
J	2	SB PRESENT
K	6	NB ADVANCE
L	6	NB PRESENT

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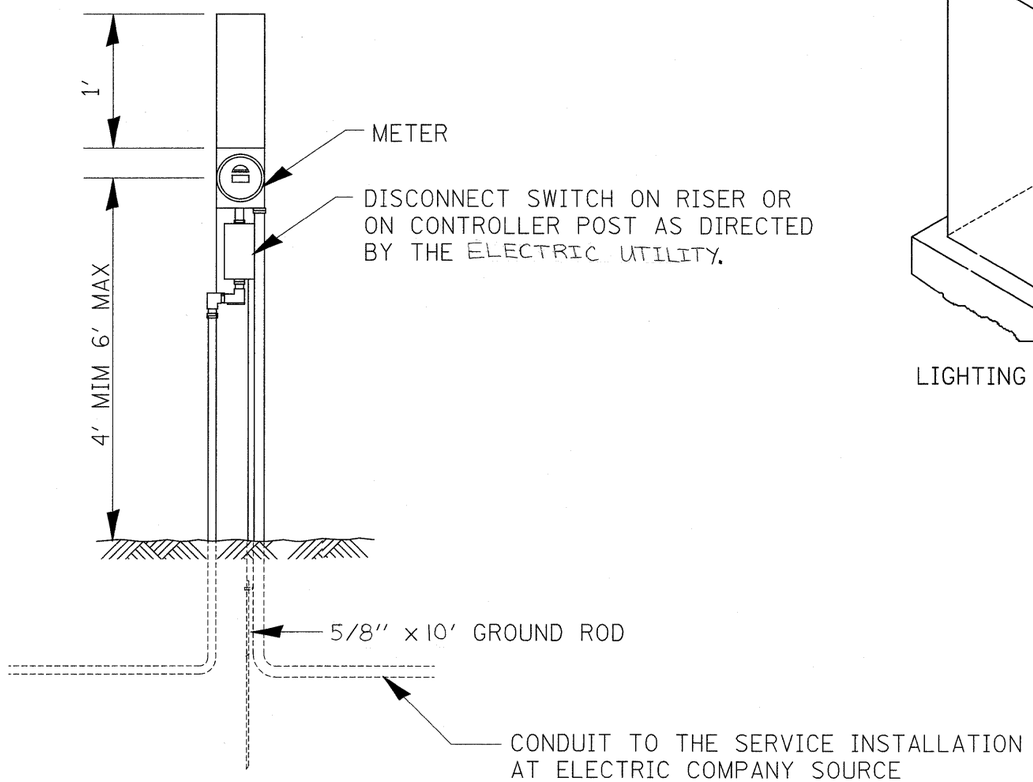
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

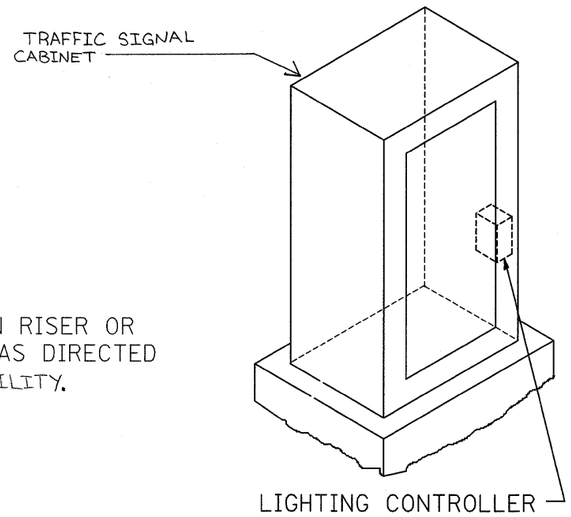
US BR 20
TRAFFIC SIGNAL PLANS

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

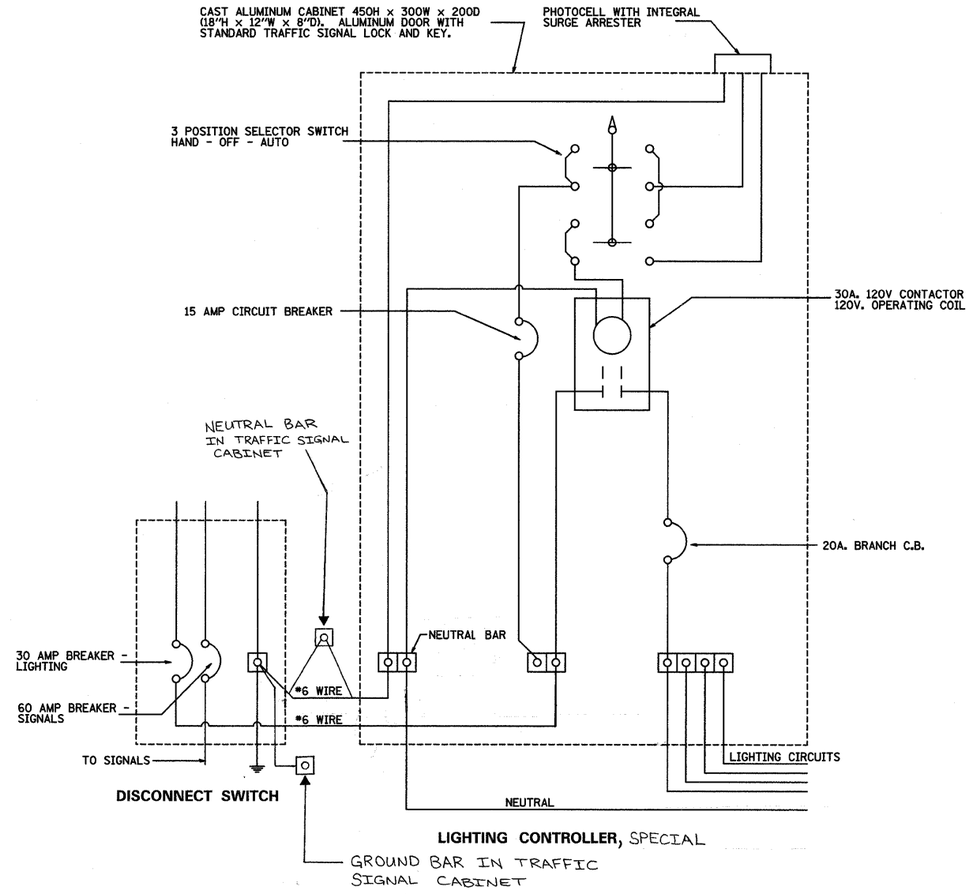
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
517	(1-2)M & TS	BOONE	74	46
		CONTRACT NO. 64A09		
	ILLINOIS FED. AID PROJECT			

TRAFFIC SIGNAL PLANS





SERVICE INSTALLATION (SPECIAL)
(SEE SPECIAL PROVISIONS)
(DETAIL ONLY SHOW GENERAL SERVICE WHICH VARIES BY PROVIDERS)



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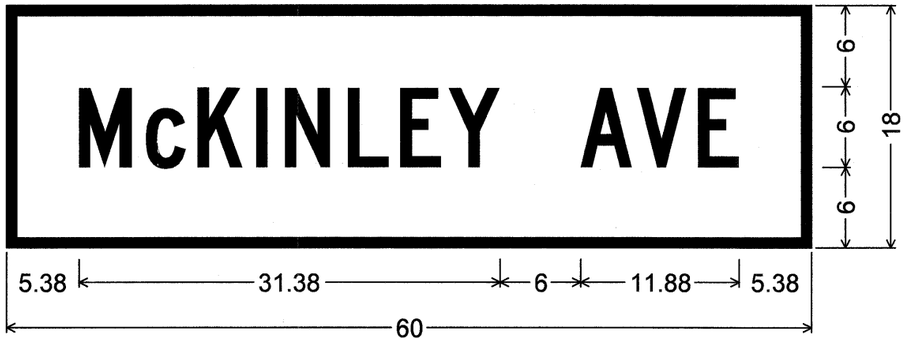
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US BR 20
TRAFFIC SIGNAL PLANS

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
517	(1-2)M & TS	BOONE	74	47
		CONTRACT NO. 64A09		
	ILLINOIS	FED. AID PROJECT		

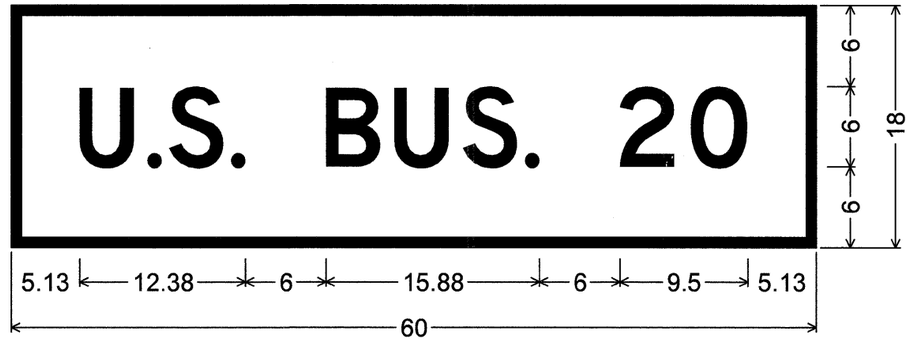
STREET SIGN DETAILS



1.88" Radius, 0.75" Border, White on Green;
[McKINLEY AVE] C 2K;
Table of letter and object lefts.

M	c	K	I	N	L	E	Y
5.38	10.38	14.25	18.63	20.75	25.50	29.38	33.00

A	V	E
42.75	47.00	51.50



1.88" Radius, 0.75" Border, White on Green;
[U.S. BUS. 20] D 2K;
Table of letter and object lefts.

U	.	S	.	B	U	S	.	2	0
5.13	10.13	11.75	16.38	23.50	28.50	33.63	38.25	45.38	50.63

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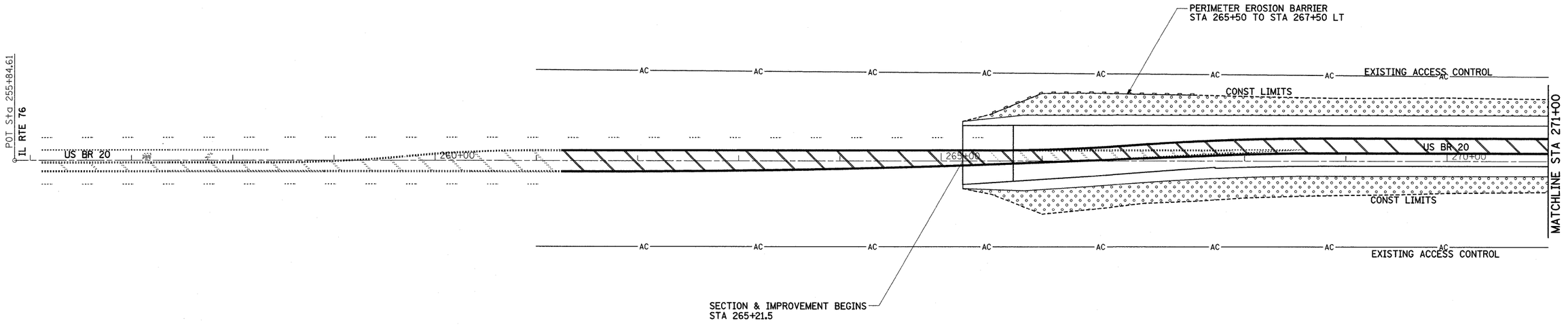
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

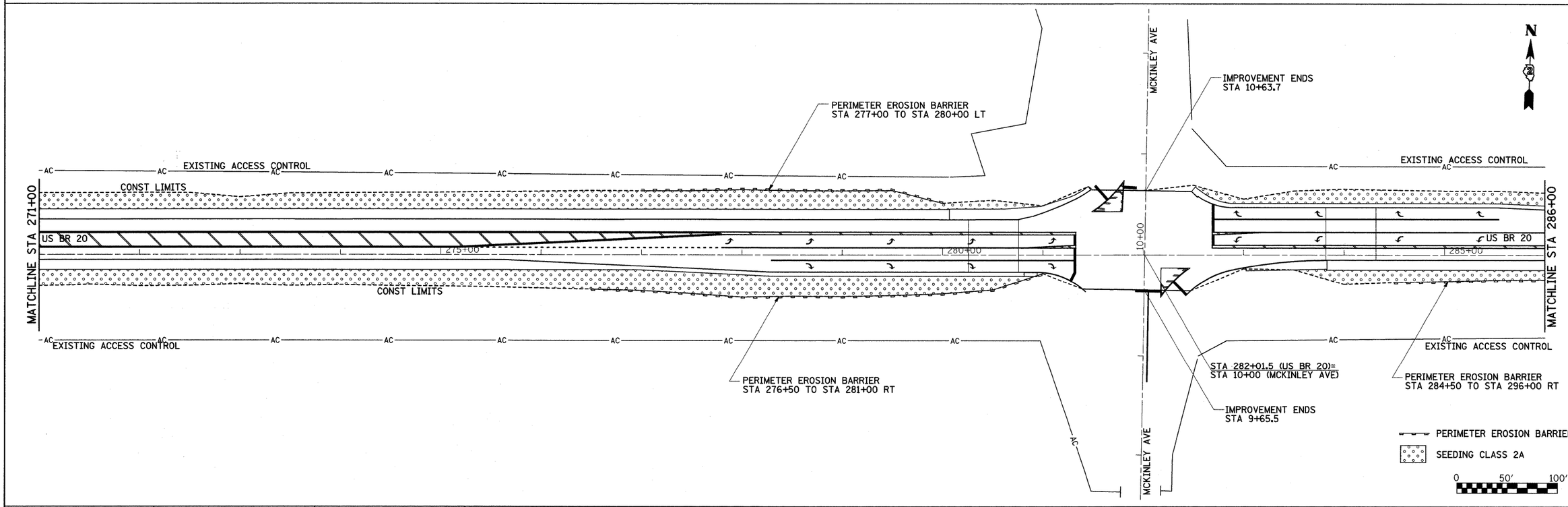
US BR 20
TRAFFIC SIGNAL PLANS

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
517	(1-2)M & TS	BOONE	74	48
		CONTRACT NO. 64A09		
	ILLINOIS FED. AID PROJECT			

EROSION CONTROL





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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US BR 20
EROSION CONTROL

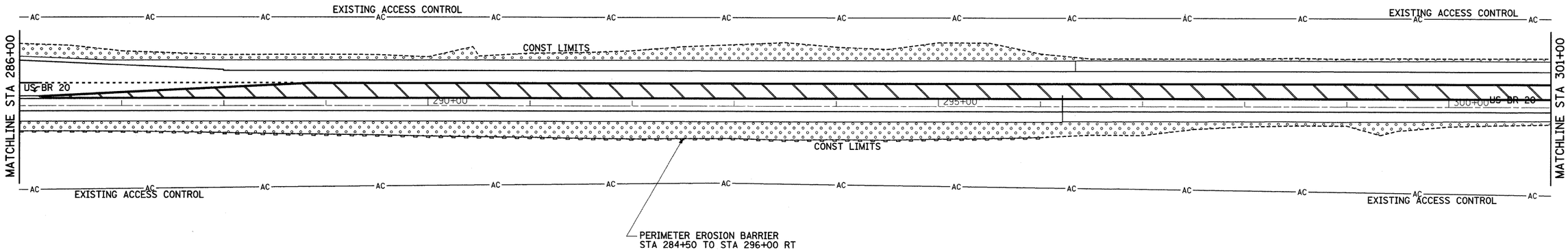
SCALE: | SHEET NO. OF SHEETS | STA. | TO STA.

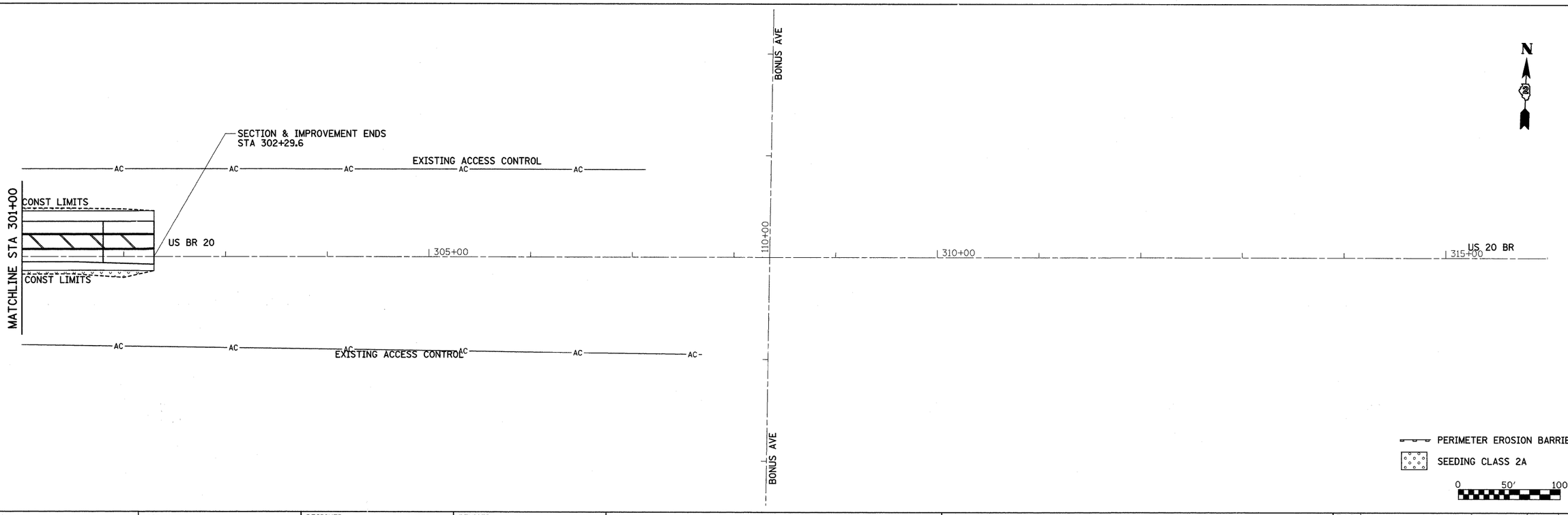
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
517	(1-2)M & TS	BOONE	74	49

CONTRACT NO. 64A09

ILLINOIS FED. AID PROJECT

EROSION CONTROL





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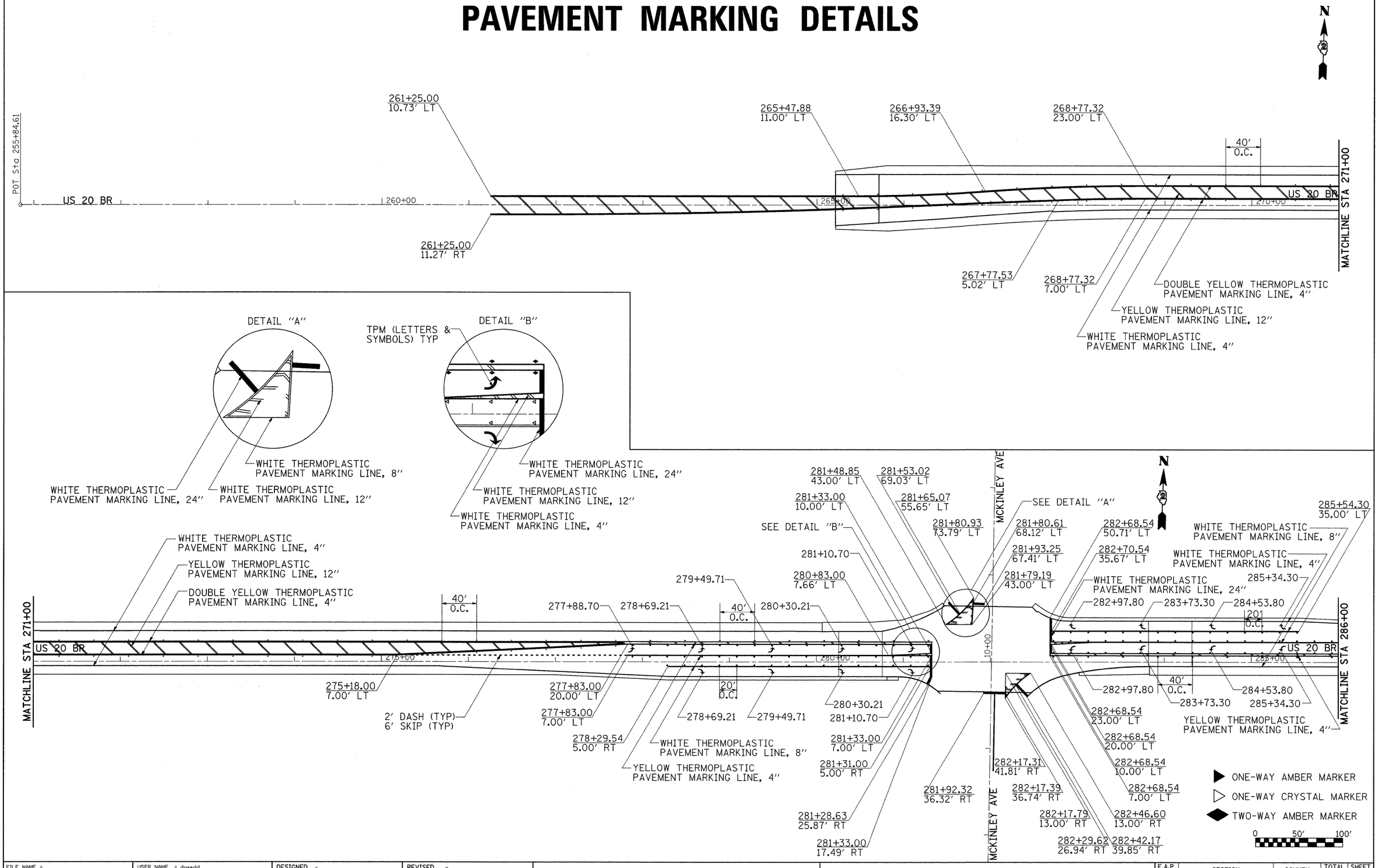
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US BR 20
EROSION CONTROL

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
517	(1-2)M & TS	BOONE	74	50
		CONTRACT NO. 64A09		
	ILLINOIS FED. AID PROJECT			

PAVEMENT MARKING DETAILS



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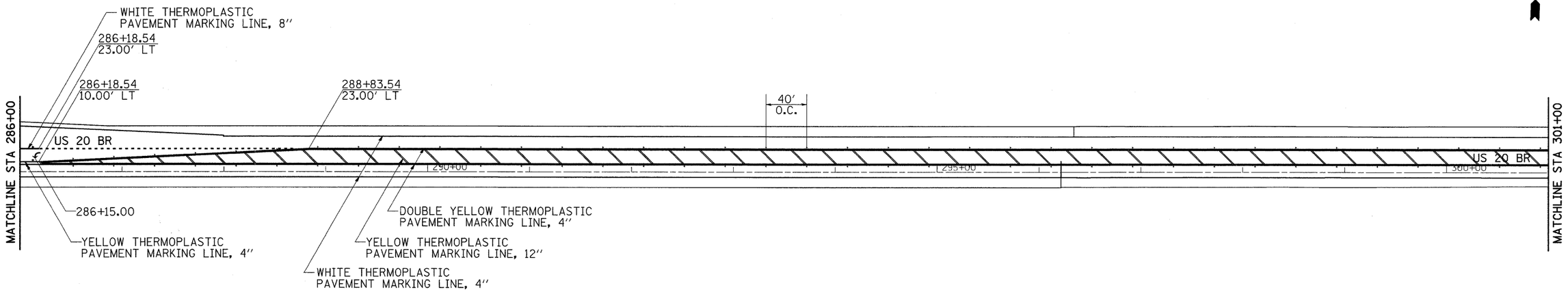
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

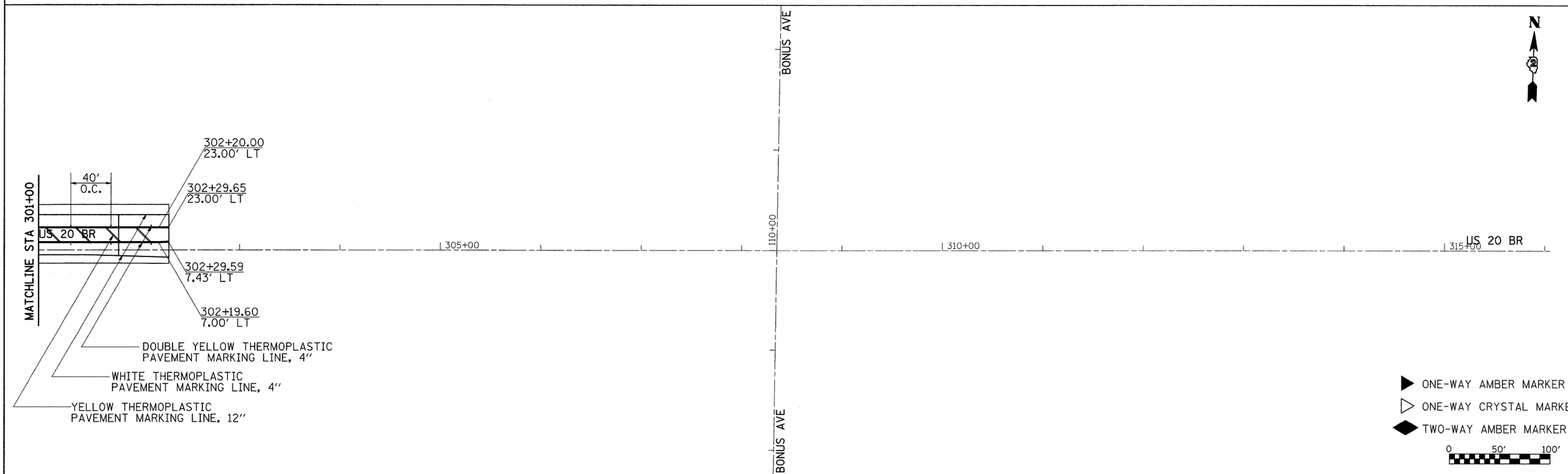
US BR 20
PAVEMENT MARKING DETAILS

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
517	(1-2)M & TS	BOONE	74	51
		CONTRACT NO. 64A09		
	ILLINOIS	FED. AID PROJECT		

PAVEMENT MARKING DETAILS





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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US BR 20
PAVEMENT MARKING DETAILS

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
517	(1-2)M & TS	BOONE	74	52
		CONTRACT NO. 64A09		
	ILLINOIS FED. AID PROJECT			

BORING LOGS

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation/D-2

ROCK CORE LOG

Date 8/27/08

ROUTE FAP 517 (US 20) DESCRIPTION P92-057-04 Traffic Signals on BR 20 @ McKinley Avenue in Belvidere LOGGED BY W. Garza

SECTION (1-2) M & TS LOCATION Belvidere Twp. - 23, SEC. , TWP. 44N, RNG. 3E

COUNTY Boone CORING METHOD

STRUCT. NO.
Station

CORING BARREL TYPE & SIZE

Core Diameter in
Top of Rock Elev. ft
Begin Core Elev. ft

BORING NO. B-1
Station 282+86 NE Quad
Offset 48.00ft Lt CL
Ground Surface Elev. 99.50 ft

	DEPTH (ft)	CORE (#)	RECOVERY (%)	R.Q.D. (%)	CORE TIME (min/ft)	STRENGTH (tsf)
dry brown SILTY CLAY LOAM						
	97.50					
STIFF brown SILTY CLAY LOAM						
	96.00					
STIFF brown SILTY CLAY LOAM	-5					
	93.00					
MEDIUM light brown dry SANDY GRAVEL						
	91.00					
DENSE light brown dry SANDY GRAVEL	-10					
	88.50					
MEDIUM tan SANDY GRAVEL						
	86.00					
DENSE tan SANDY GRAVEL	-15					
	83.50					
MEDIUM tan clean medium coarse SAND						
	81.00					
MEDIUM tan clean medium coarse SAND	-20					

Color pictures of the cores
Cores will be stored for examination until
The "Strength" column represents the uniaxial compressive strength of the core sample (ASTM D-2938)

BBS, form 138 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation/D-2

ROCK CORE LOG

Date 8/27/08

ROUTE FAP 517 (US 20) DESCRIPTION P92-057-04 Traffic Signals on BR 20 @ McKinley Avenue in Belvidere LOGGED BY W. Garza

SECTION (1-2) M & TS LOCATION Belvidere Twp. - 23, SEC. , TWP. 44N, RNG. 3E

COUNTY Boone CORING METHOD

STRUCT. NO.
Station

CORING BARREL TYPE & SIZE

Core Diameter in
Top of Rock Elev. ft
Begin Core Elev. ft

BORING NO. B-1
Station 282+86 NE Quad
Offset 48.00ft Lt CL
Ground Surface Elev. 99.50 ft

	DEPTH (ft)	CORE (#)	RECOVERY (%)	R.Q.D. (%)	CORE TIME (min/ft)	STRENGTH (tsf)
MEDIUM tan clean medium coarse SAND (continued)						
	78.50					
Wash MEDIUM tan clean medium coarse SAND						
	76.00					
Wash MEDIUM tan SANDY GRAVEL	-25					
	73.50					
Wash						
	71.00					
Wash MEDIUM tan clean medium coarse SAND	-30					
	68.50					
End of Boring						
	-35					
	-40					

Color pictures of the cores
Cores will be stored for examination until
The "Strength" column represents the uniaxial compressive strength of the core sample (ASTM D-2938)

BBS, form 138 (Rev. 8-99)

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US BR 20
BORING LOGS

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
517	(1-2)M & TS	BOONE	74	53
		CONTRACT NO. 64A09		
	ILLINOIS FED. AID PROJECT			

BORING LOGS

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation/D-2

ROCK CORE LOG

Date 8/27/08

ROUTE FAP 517 (US 20) DESCRIPTION P92-057-04 Traffic Signals on BR 20 @ McKinley Avenue in Belvidere LOGGED BY W. Garza

SECTION (1-2) M & TS LOCATION Belvidere Twp. - 23, SEC. , TWP. 44N, RNG. 3E

COUNTY Boone CORING METHOD

STRUCT. NO.
Station

CORING BARREL TYPE & SIZE

Core Diameter in
Top of Rock Elev. ft
Begin Core Elev. ft

BORING NO. B-2
Station 281+43
Offset 50.00ft Rt CL
Ground Surface Elev. 99.00 ft

	DEPTH (ft)	CORE (#)	RECOVERY (%)	R.Q.D. (%)	CORE TIME (min/ft)	STRENGTH (tsf)
dry brown LOAM						
STIFF brown SILTY CLAY LOAM	97.00					
MEDIUM brown SILTY CLAY LOAM	95.50 / -5					
MEDIUM light brown fine SAND	92.50					
DENSE tan clean medium coarse SAND	90.50 / -10					
DENSE tan SANDY GRAVEL	88.00					
MEDIUM tan moist SANDY GRAVEL	85.50 / -15					
MEDIUM tan SANDY GRAVEL	83.00					
MEDIUM tan clean medium coarse SAND	80.50 / -20					

Color pictures of the cores
Cores will be stored for examination until
The "Strength" column represents the uniaxial compressive strength of the core sample (ASTM D-2938)

BBS, form 138 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation/D-2

ROCK CORE LOG

Date 8/27/08

ROUTE FAP 517 (US 20) DESCRIPTION P92-057-04 Traffic Signals on BR 20 @ McKinley Avenue in Belvidere LOGGED BY W. Garza

SECTION (1-2) M & TS LOCATION Belvidere Twp. - 23, SEC. , TWP. 44N, RNG. 3E

COUNTY Boone CORING METHOD

STRUCT. NO.
Station

CORING BARREL TYPE & SIZE

Core Diameter in
Top of Rock Elev. ft
Begin Core Elev. ft

BORING NO. B-2
Station 281+43
Offset 50.00ft Rt CL
Ground Surface Elev. 99.00 ft

	DEPTH (ft)	CORE (#)	RECOVERY (%)	R.Q.D. (%)	CORE TIME (min/ft)	STRENGTH (tsf)
MEDIUM tan clean medium coarse SAND (continued)	78.00					
MEDIUM tan SANDY GRAVEL	75.50					
Wash MEDIUM tan clean medium coarse SAND	-25 / 73.00					
	-30 / 67.00					
End of Boring	-35 / -40					

Color pictures of the cores
Cores will be stored for examination until
The "Strength" column represents the uniaxial compressive strength of the core sample (ASTM D-2938)

BBS, form 138 (Rev. 8-99)

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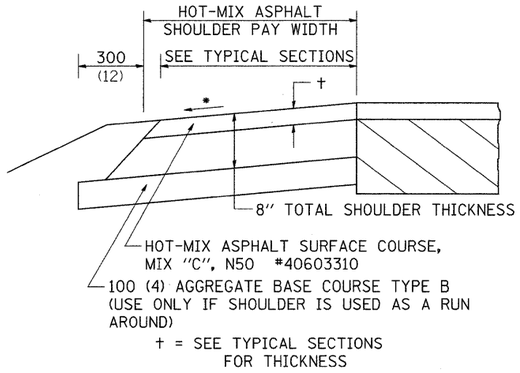
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US BR 20
BORING LOGS

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
517	(1-2)M & TS	BOONE	74	54
		CONTRACT NO. 64A09		
	ILLINOIS	FED. AID PROJECT		

HOT–MIX ASPHALT SHOULDER



GENERAL NOTES

THE HOT-MIX ASPHALT SHOULDER SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION 482 EXCEPT THE TOP LIFT SHALL BE HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 #40603310. THE WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER TON FOR HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 #40603310 AND SQUARE YARD FOR HOT-MIX ASPHALT SHOULDERS OF THE THICKNESS SPECIFIED.

USE HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 #40603310. WHEN RESURFACING EXISTING HOT-MIX ASPHALT SHOULDERS. THE THICKNESS IS SHOWN ON THE TYPICAL SECTIONS. THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER TON FOR HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 #40603310.

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

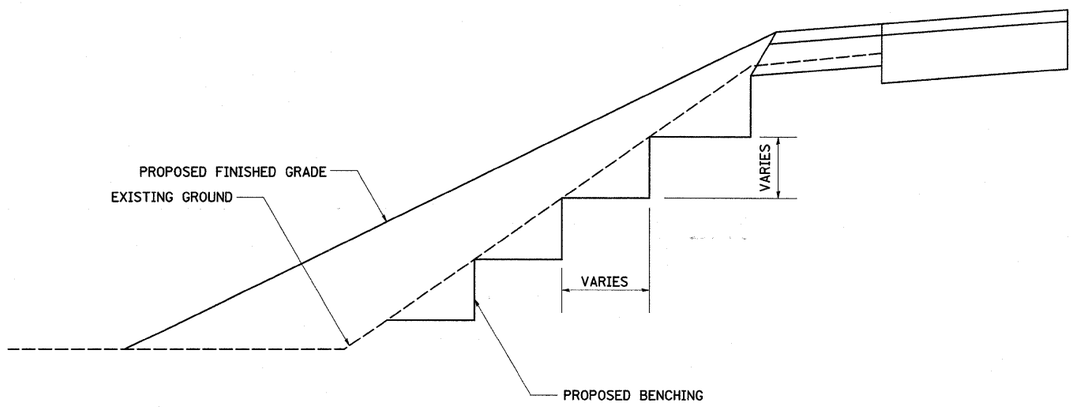
* 4% WHEN MAINLINE IS ON TANGENT. FOR CROSS SLOPE ON SUPERELEVATION SECTION, SEE HIGHWAY STANDARD 482001 OR 482006.

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

REVISED - 11-01-07

HOT–MIX ASPHALT SHOULDER **23.4a**

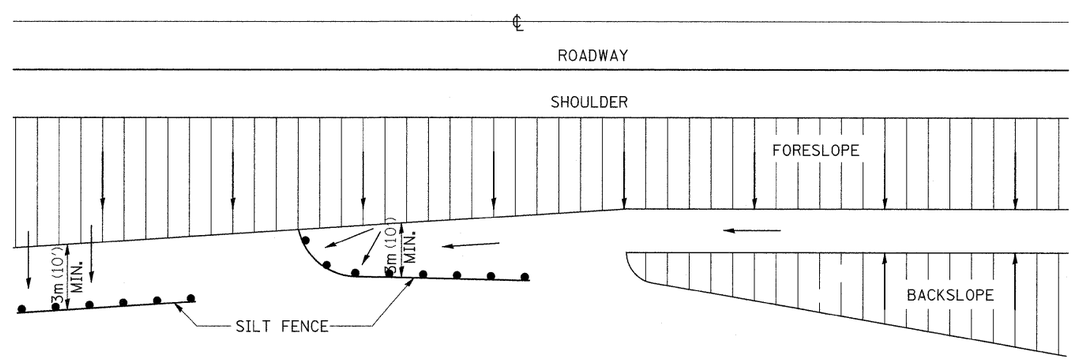
TYPICAL BENCHING ON EXISTING EMBANKMENT

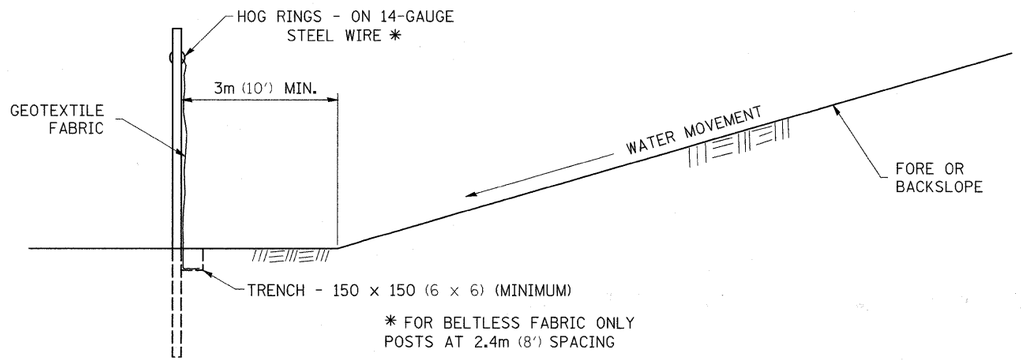


REVISED - 2-22-06

TYPICAL BENCHING ON EXISTING EMBANKMENT **50.4**

EROSION CONTROL DETAILS FOR SILT FENCE





DETAILS OF SILT FENCE

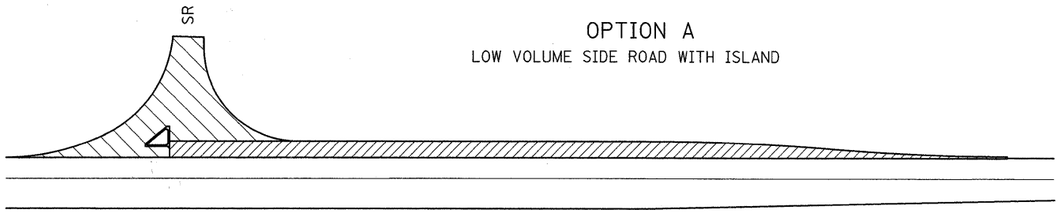
ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE NOTED.

REVISED - 10-22-01	REGION 2 / DISTRICT 2 STANDARD					F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
REVISED -						517	(1-2)M & TS	BOONE	74	55
REVISED -								CONTRACT NO. 64A09		
REVISED -	SCALE: 50.0000 ' / IN.	SHEET NO.	OF	SHEETS	STA.	TO STA.	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	

PLOT DATE = Wed Dec 30 13:26:25 2009

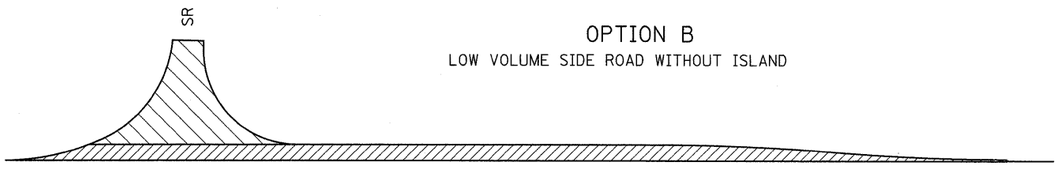
EROSION CONTROL DETAILS FOR SILT FENCE **29.2**

RIGHT TURN LANE CONSTRUCTION



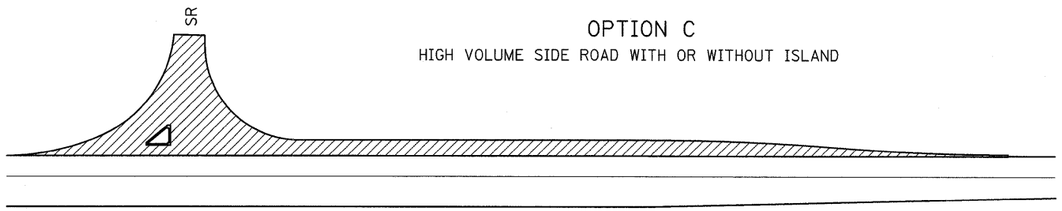
OPTION A

LOW VOLUME SIDE ROAD WITH ISLAND



OPTION B

LOW VOLUME SIDE ROAD WITHOUT ISLAND



OPTION C

HIGH VOLUME SIDE ROAD WITH OR WITHOUT ISLAND

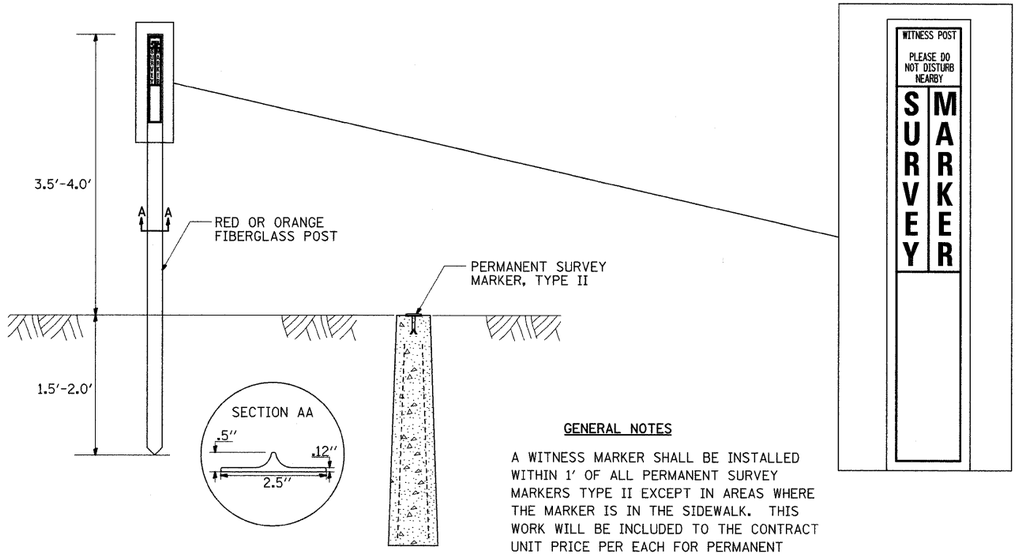
LEGEND

HOT-MIX ASPHALT PAVEMENT (FULL DEPTH)

AGGREGATE BASE WITH HOT-MIX ASPHALT SURFACE

REVISED - 10-10-06

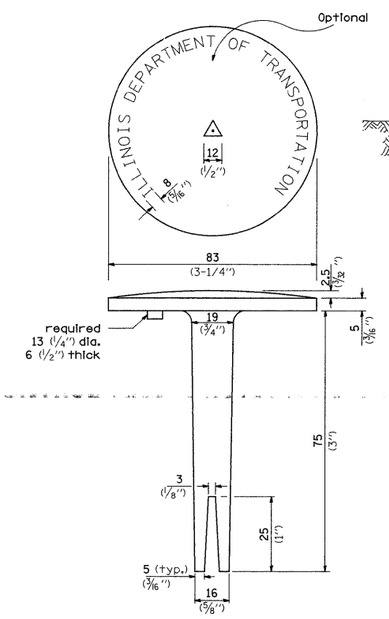
WITNESS MARKER FOR PERMANENT SURVEY MARKERS, TYPE II



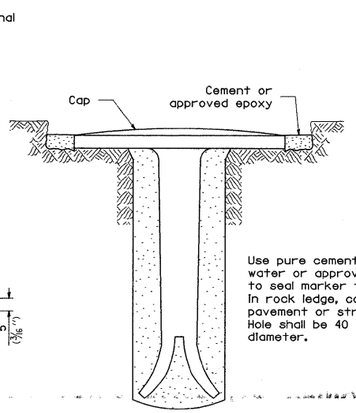
GENERAL NOTES

A WITNESS MARKER SHALL BE INSTALLED WITHIN 1' OF ALL PERMANENT SURVEY MARKERS TYPE II EXCEPT IN AREAS WHERE THE MARKER IS IN THE SIDEWALK. THIS WORK WILL BE INCLUDED TO THE CONTRACT UNIT PRICE PER EACH FOR PERMANENT SURVEY MARKERS, TYPE II.

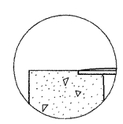
PERMANENT SURVEY MARKERS, TYPE II



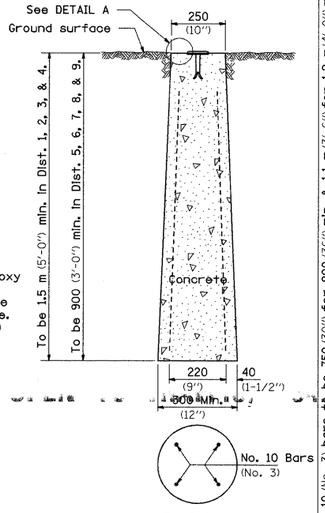
BRASS OR ALUMINUM TABLET



TYPE II



DETAIL A



TYPE II

CAST-IN-PLACE MARKER

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

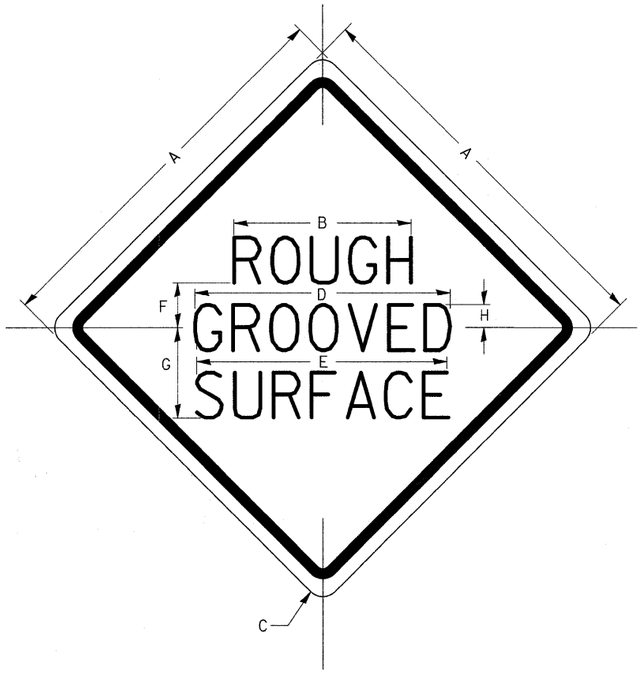
REVISED - 10-21-08	REGION 2 / DISTRICT 2 STANDARD	F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
REVISED -		517	(1-2)M & TS	BOONE	74	56
REVISED -				CONTRACT NO. 64A09		
REVISED -	SCALE: 50.0000 ' / IN. SHEET NO. OF SHEETS STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

PLOT DATE = Wed Dec 30 13:26:26 2009

ROUGH GROOVED SURFACE SIGN

ILLINOIS STANDARD W8-I107

SIGN PANEL TYPE 1



COLOR: LEGEND AND BORDER - BLACK NON-RELFLECTIVE
BACKGROUND - ORANGE REFLECTORIZED

SIGN SIZE	DIMENSIONS							
	A	B	C	D	E	F	G	H
1200x1200 (48x48)	1200 (48.0)	600 (24.1)	75 (3.0)	850 (34.0)	825 (33.0)	150 (6.0)	325 (13.0)	88 (3.5)

SIGN SIZE	SERIES LINES			MARGIN	BORDER	BLANK STD.
	1	2	3			
1200x1200 (48x48)	7C	7C	7C	20 (0.8)	30 (1.2)	B4-48D

ALL DIMENSIONS IN INCHES.

GENERAL NOTES

SIGN PANELS AND FACE MATERIALS SHALL BE ACCORDING TO SECTION 720 OF THE STANDARD SPECIFICATIONS

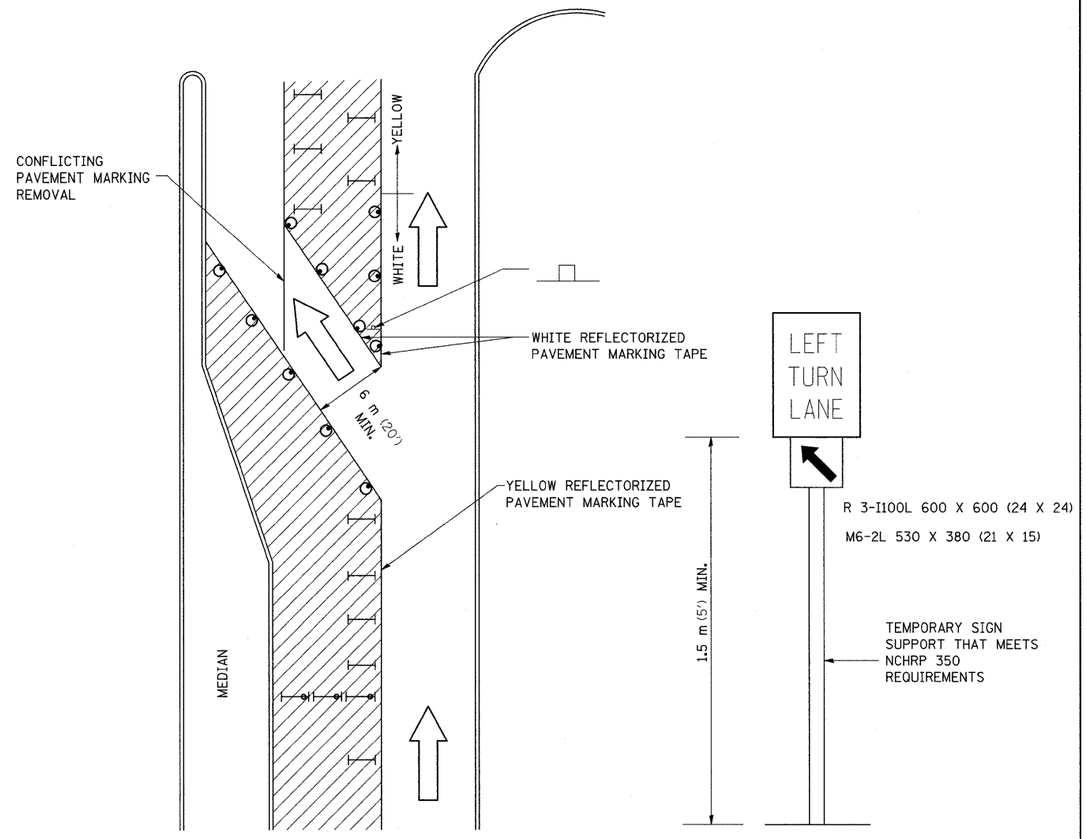
METAL POSTS SHALL BE IN ACCORDANCE WITH STD. 720011.

ALL MOUNTING HARDWARE SHALL BE ALUMINUM, STAINLESS STEEL, ZINC OR CADMIUM PLATED STEEL AND SHALL BE INCLUDED TO THE COST OF THE INSTALLATION.

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

REVISED - 1-09-08

TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC)



LEGEND

WORK AREA

LANE OPEN TO TRAFFIC

TYPE I OR II BARRICADE OR DRUM WITH FLASHING BURNING LIGHT

DRUM OR BARRICADE WITH STEADY BURN LIGHT

SIGN (SEE DETAIL)

TYPE I OR II CHECK BARRICADE WITH STEADY LIGHT BURN

GENERAL NOTES

CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 710 (28) IN HEIGHT.

STEADY BURNING LIGHTS WILL NOT BE REQUIRED ON BARRICADES OR DRUMS FOR DAY OPERATIONS. ALL LIGHTS WILL BE MONODIRECTIONAL.

REFLECTORIZED TEMPORARY PAVEMENT MARKING TAPE SHALL BE PLACED THROUGHOUT THE BARRICADED AREA OF EACH BAY WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN DAYS.

THIS APPLICATION ALSO APPLIES WHEN WORK IS BEING PERFORMED IN THE RIGHT LANE(S) AND THE RIGHT TURN BAY IS TO REMAIN OPEN. UNDER THIS CONDITION, "RIGHT TURN LANE" R3-100 600 x 600 (24 X 24) AND M6-2R 530 X 380 (21 X 15) SHALL BE USED.

THESE CONTROLS SHALL SUPPLEMENT MAINLINE TRAFFIC CONTROL FOR LANE CLOSURES. LONGITUDINAL DIMENSIONS MAY BE ADJUSTED TO FIT FIELD CONDITIONS.

TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) SHALL BE INCLUDED IN THE COST SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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

REVISED - 10-15-04
REVISED -
REVISED -
REVISED -

REGION 2 / DISTRICT 2 STANDARD

SCALE: 50.0000 ' / IN. | SHEET NO. OF SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
517	(1-2)M & TS	BOONE	74	57
		CONTRACT NO. 64A09		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

STORM WATER POLLUTION PREVENTION PLAN
EROSION CONTROL PLAN

THE FOLLOWING PLAN WAS ESTABLISHED AND INCLUDED IN THESE PLANS TO DIRECT THE CONTRACTOR IN THE PLACEMENT OF TEMPORARY EROSION CONTROL SYSTEMS AND TO PROVIDE A STORM WATER POLLUTION PREVENTION PLAN FOR COMPLIANCE UNDER NPDES.

THE PURPOSE OF THIS PLAN IS TO MINIMIZE SILTATION WITHIN THE CONSTRUCTION ZONE AND TO ELIMINATE SEDIMENTS FROM ENTERING AND LEAVING THE CONSTRUCTION ZONE BY UTILIZING PROPER TEMPORARY EROSION CONTROL SYSTEMS AND PROVIDING GROUND COVER WITHIN A REASONABLE AMOUNT OF TIME.

CERTAIN ITEMS, AS SHOWN IN THIS PLAN AND REFERENCED BY THE LEGEND, SHALL BE PLACED BY THE CONTRACTOR AT THE BEGINNING OF CONSTRUCTION. OTHER ITEMS SHALL BE PLACED BY THE CONTRACTOR AS DIRECTED BY THE ENGINEER ON A CASE BY CASE SITUATION RESULTING FROM THE CONTRACTOR'S SEQUENCE OF ACTIVITIES, TIME OF YEAR, AND EXPECTED WEATHER CONDITIONS.

THE CONTRACTOR SHALL PLACE PERMANENT EROSION CONTROL SYSTEMS AND SEEDING WITHIN A REASONABLE AMOUNT OF TIME: THEREFORE, REDUCING THE AMOUNT OF AREA BEING OPEN TO THE POSSIBILITY OF EROSION AND REDUCING THE AMOUNT OF TEMPORARY SEEDING. THE RESIDENT ENGINEER WILL DETERMINE IF TEMPORARY EROSION CONTROL SYSTEMS SHOWN IN THE PLAN CAN BE DELETED, THE SIZE OF THE PROPOSED DITCH CHECKS, THE PROPER METHOD OF INSTALLATION, AND IF ANY ADDITIONAL TEMPORARY EROSION CONTROL SYSTEMS SHALL BE ADDED WHICH ARE NOT INCLUDED IN THE PLANS. THE CONTRACTOR SHALL PERFORM ALL WORK AS DIRECTED BY THE ENGINEER AND AS SHOWN IN STANDARD 280001 OF THE PLANS.

SITE DESCRIPTION
DESCRIPTION OF CONSTRUCTION ACTIVITY:
THIS PROJECT CONSISTS OF SHOULDER REMOVAL, PAVEMENT WIDENING, PATCHING AND OVERLAYING, SIGNAL INSTALLATION, DITCHING AND SEEDING.

DESCRIPTION OF INTENDED SEQUENCE OF ACTIVITIES:
THE SEQUENCE OF EVENTS ARE AS FOLLOW: CLEARING, EMBANKMENT, EXCAVATION, GRADING AND PAVING. THIS PROJECT WILL BE CONSTRUCTED IN SEGMENTS AS SHOWN IN THE "STAGING PLANS".

TOTAL CONSTRUCTION SITE (CONSTRUCTION LIMIT TO CONSTRUCTION LIMIT) 7.45 ACRES
PROPOSED R.O.W (TOTAL PARCEL AREA) 0.00 ACRES
DISTURBED BY EXCAVATION (E.O.P TO CONSTRUCTION LIMIT) 4.08 ACRES

SUPPORTING REPORTS AND PLANS
THE FOLLOWING ASSISTED IN DEVELOPING THE EROSION CONTROL PLAN AS REFERENCED DOCUMENTS:

SOIL PROFILE SHEETS, SOILS REPORTS, BORING LOGS
USGS DRAINAGE MAPS, PROJECT PLAN DOCUMENTS

DRAINAGE TRIBUTARIES RECEIVING WATER FROM CONSTRUCTION SITE

NONE

EROSION CONTROLS AND SEDIMENT CONTROL PROCEDURES
STABILIZATION PRACTICES AT THE BEGINNING OF CONSTRUCTION:
PERIMETER EROSION CONTROL SHALL BE PLACED PRIOR TO BEGINNING EARTHWORK.

STABILIZATION PRACTICES DURING CONSTRUCTION:
AS EARTH EXCAVATION AND EMBANKMENT ARE BEING COMPLETED THE CONTRACTOR SHALL PLACE DITCH CHECKS, INLET AND PIPE PROTECTION, EROSION CONTROL BLANKET, AND SEEDING AS STAGES OF THE PROJECT ARE COMPLETED. PERIMETER EROSION BARRIER WILL BE INSTALLED AT ADDITIONAL LOCATIONS AS THE PROJECT PROGRESSES. SEEDING SHALL BE COMPLETED AS SPECIFIED IN THE EROSION CONTROL/SEEDING MOBILIZATION AND TEMPORARY SEEDING SPECIAL PROVISION.

MAINTENANCE AFTER FINAL GRADING
TEMPORARY EROSION CONTROL SYSTEMS SHALL BE LEFT IN PLACE WITH PROPER MAINTENANCE UNTIL PERMANENT EROSION CONTROL IS IN PLACE AND WORKING PROPERLY AND ALL PROPOSED TURF AREAS SEEDED AND ESTABLISHED WITH THE PROPER STAND. ONCE PERMANENT EROSION CONTROL SYSTEMS AS PROPOSED IN THE PLANS ARE FUNCTIONAL AND ESTABLISHED, TEMPORARY ITEMS SHALL BE REMOVED, CLEANED UP AND DISTURBED TURF RESEEDED.

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		DRAWN -	REVISED -
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	PLOT DATE = Wed Dec 30 13:26:27 2009	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

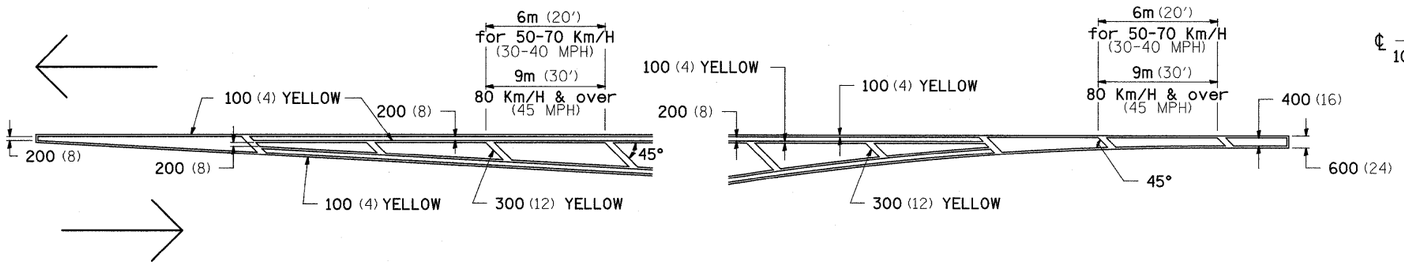
REGION 2 / DISTRICT 2 STANDARD

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

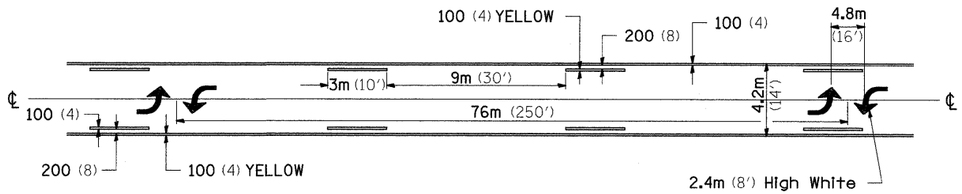
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
517	(1-2)M & TS	BOONE	74	58
		CONTRACT NO. 64A09		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

TYPICAL PAVEMENT MARKINGS

TYPICAL PAVEMENT MARKING FOR FLUSH MEDIAN AT LEFT TURN LANE

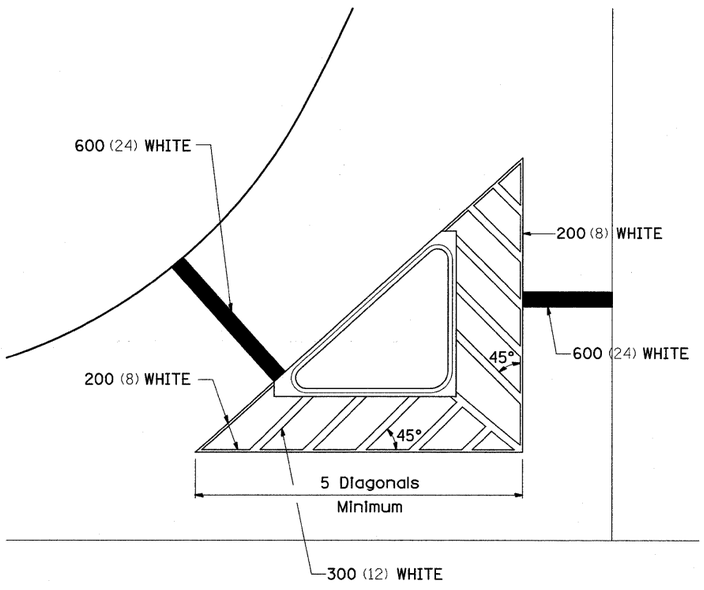


MEDIAN PAVEMENT MARKING

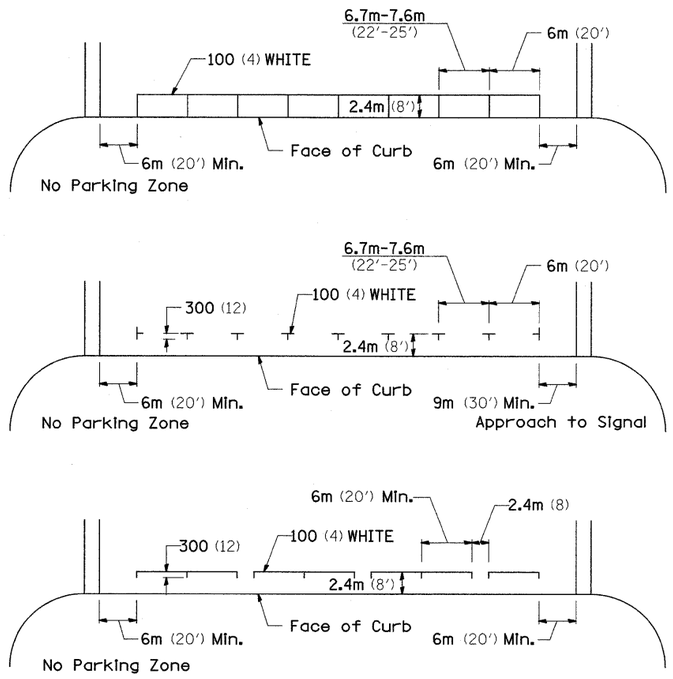


** ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE NOTED.

TYPICAL ISLAND OFFSET SHOULDER WIDTH

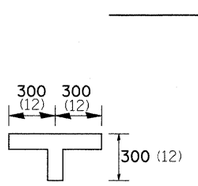


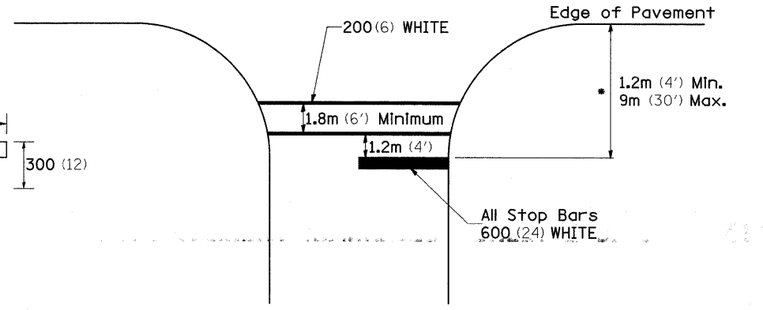
TYPICAL PARKING SPACING



STANDARD CROSSWALK MARKING

See Schedules for Locations





* Distance to the nearest edge of the intersecting roadway in the absence of a marked crosswalk.

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04-sht-standards.dgn		DRAWN -	REVISED -
	PLOT SCALE = 50.0000 ' / IN.	CHECKED -	REVISED -
	PLOT DATE = Wed Dec 30 13:26:27 2009	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

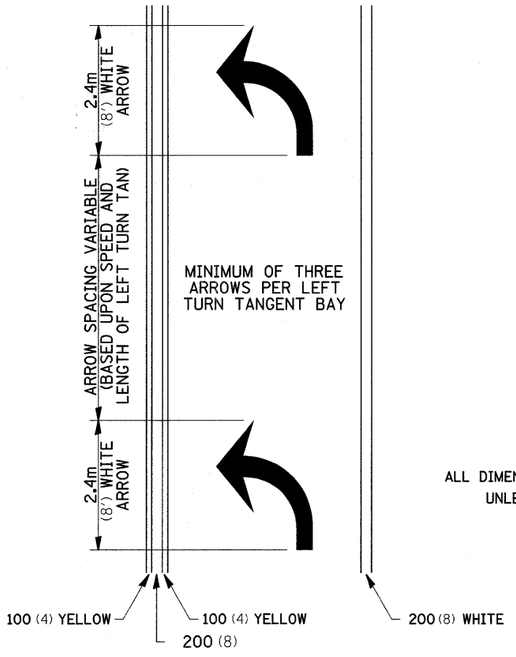
REGION 2 / DISTRICT 2 STANDARD

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
517	(1-2)M & TS	BOONE	74	59
		CONTRACT NO. 64A09		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

TYPICAL PAVEMENT MARKINGS

ARROW LAYOUT



TYPICAL PAVEMENT MARKING FOR FLUSH MEDIAN

RECOMMENDED SPACING BETWEEN DIAGONALS (IN FEET)

Speed Limit Range	Continuous Median Area	Intersection Channelization	Objects (Islands)
less than 50Km/H (30MPH)	15.3m (50')	4.53m (15')	3.05m (10')
50-60Km/H (30-40MPH)	22.9m (75')	6.1m (20')	4.53m (15')
70Km/H (45MPH) & over	22.9m (75')	9.05m (30')	6.1m (20')

NOTE: If the spacing recommended in the Table does not permit at least five diagonal lines in the area being marked, the spacing from the next lowest speed range should be used. The recommended spacing is measured parallel to the pavement center line.

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		DRAWN -	REVISED -
	PLOT SCALE = 50.0000 ' / IN.	CHECKED -	REVISED -
	PLOT DATE = Wed Dec 30 13:26:28 2009	DATE -	REVISED -

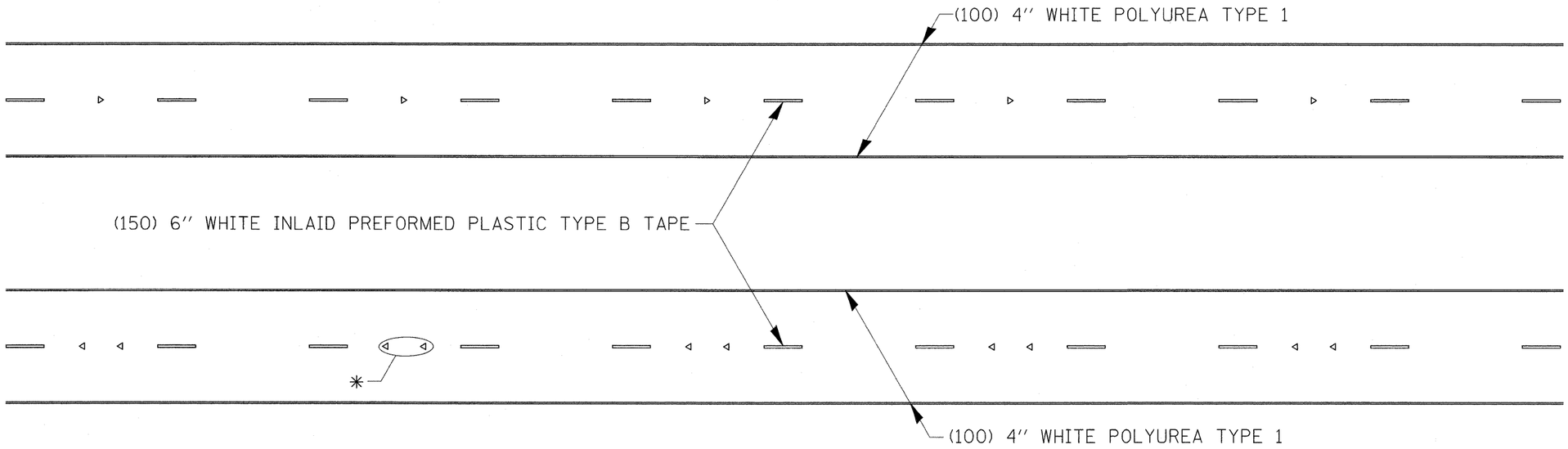
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REGION 2 / DISTRICT 2 STANDARD

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

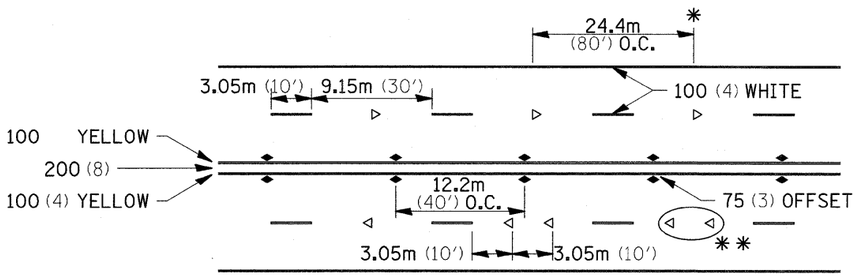
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
517	(1-2)M & TS	BOONE	74	60
		CONTRACT NO. 64A09		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

TYPICAL PAVEMENT MARKINGS



* SEE HIGHWAY STANDARD 781001 FOR SPACING DETAILS.
USE DOUBLE MARKERS WHEN ADT ≥ 25,000.

MULTI–LANE / DIVIDED



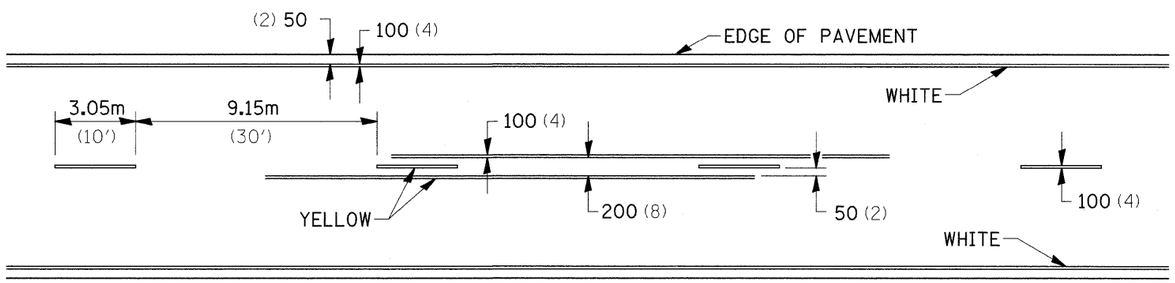
SYMBOLS

* REDUCE TO 12.2m (40') O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 15Km/H (10MPH) LOWER THAN POSTED SPEEDS.

** USE DOUBLE MARKERS WHEN ADT ≥ 25,000

MULTI–LANE / UNDIVIDED

TYPICAL PAVEMENT MARKING FOR TWO LANE SECTION – NO PASSING ZONES



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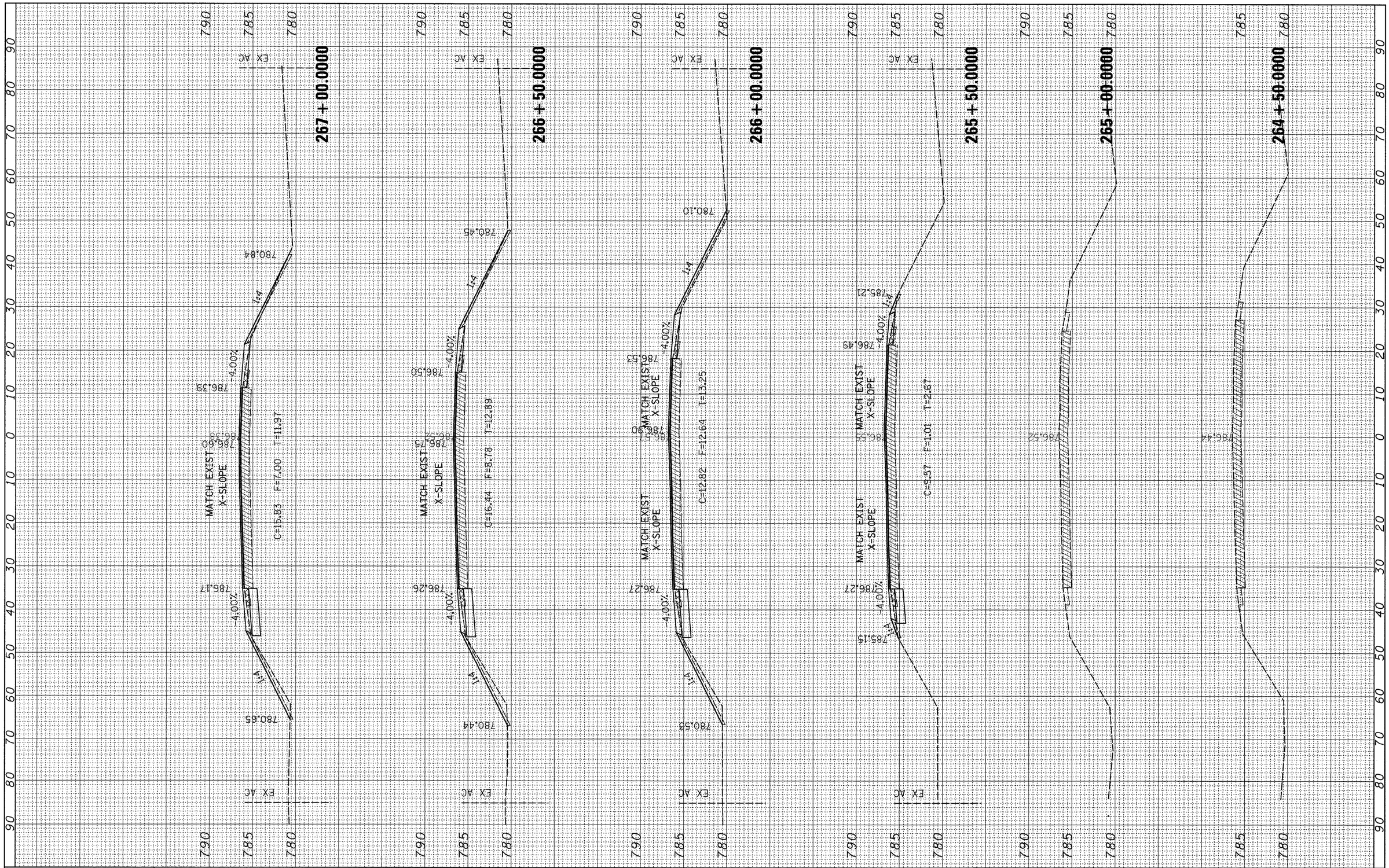
04-sht-standards.dgn		DRAWN -	REVISED -		
	PLOT SCALE = 50.0000 ' / IN.	CHECKED -	REVISED -		SCALE: SHEET NO. OF SHEETS STA. TO STA.
	PLOT DATE = Wed Dec 30 13:26:29 2009	DATE -	REVISED -		

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
517	(1-2)M & TS	BOONE	74	61
		CONTRACT NO. 64A09		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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

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



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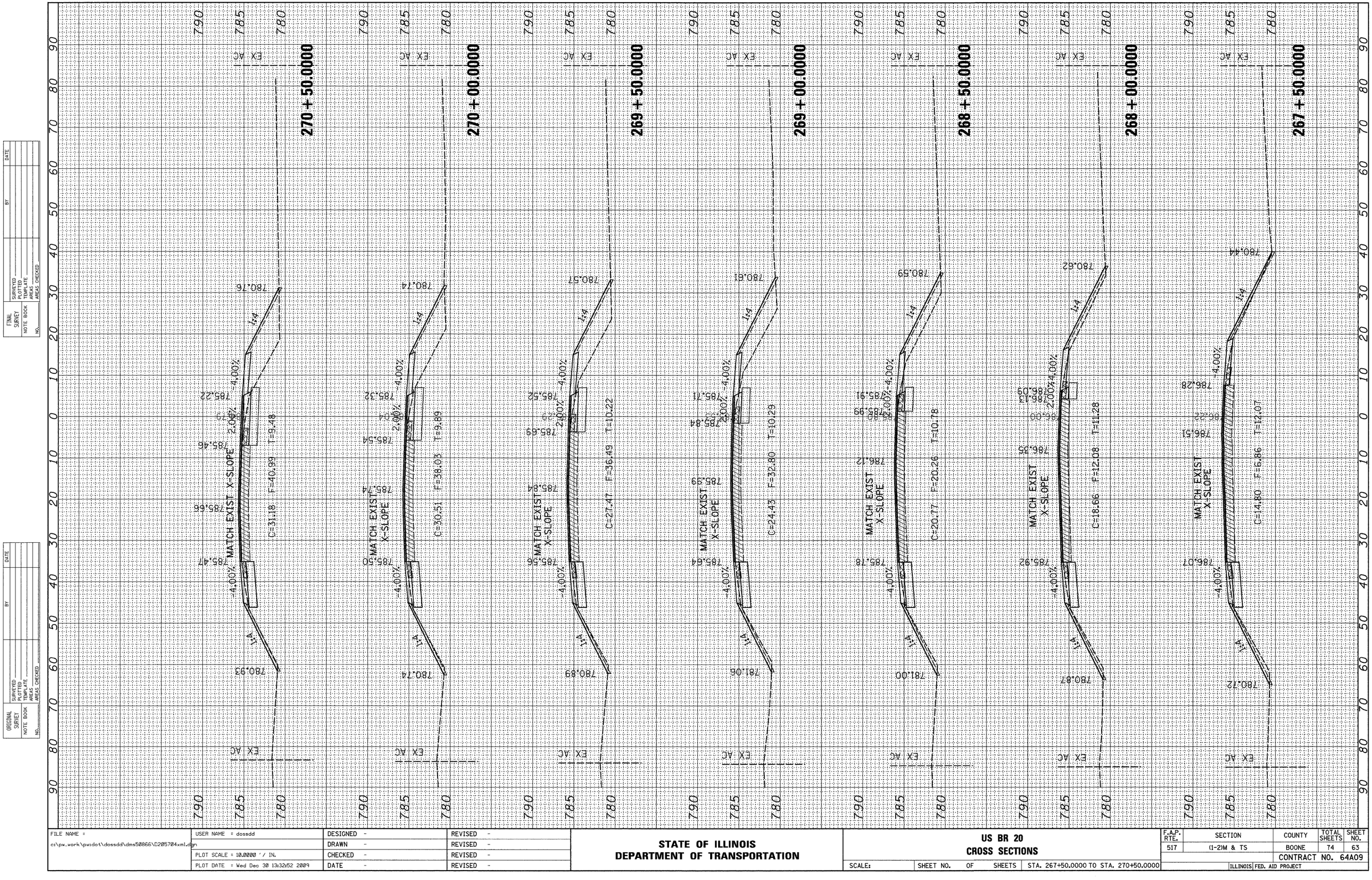
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US BR 20
CROSS SECTIONS

SCALE: | SHEET NO. OF SHEETS | STA. 264+50.0000 TO STA. 267+00.0000

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
517	(1-2)M & TS	BOONE	74	62
		CONTRACT NO. 64A09		
	ILLINOIS FED. AID PROJECT			



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

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

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

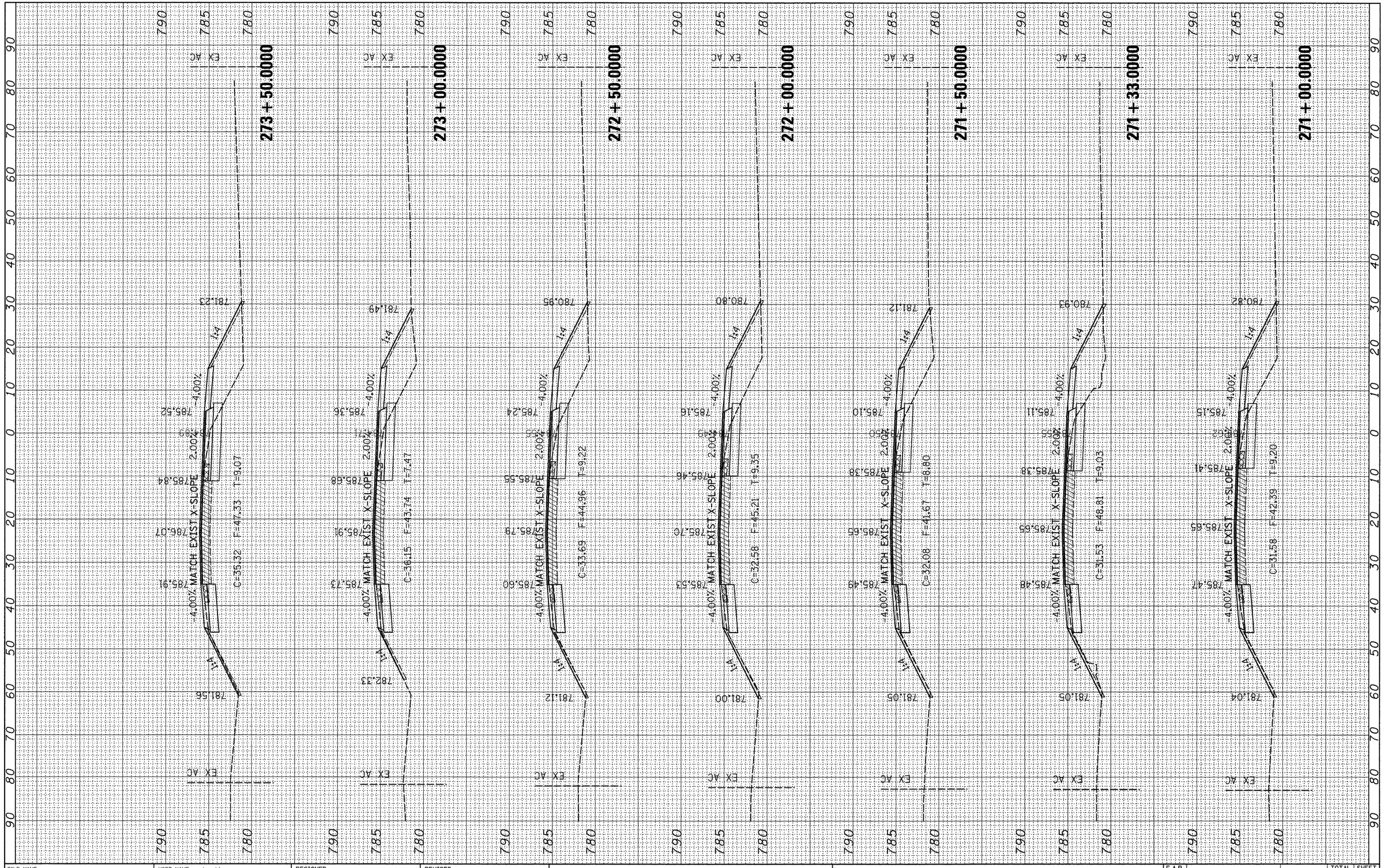
US BR 20
CROSS SECTIONS

SCALE: | SHEET NO. OF SHEETS | STA. 267+50.0000 TO STA. 270+50.0000

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
517	(1-2)M & TS	BOONE	74	63
		CONTRACT NO. 64A09		
		ILLINOIS	FED. AID PROJECT	

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

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



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

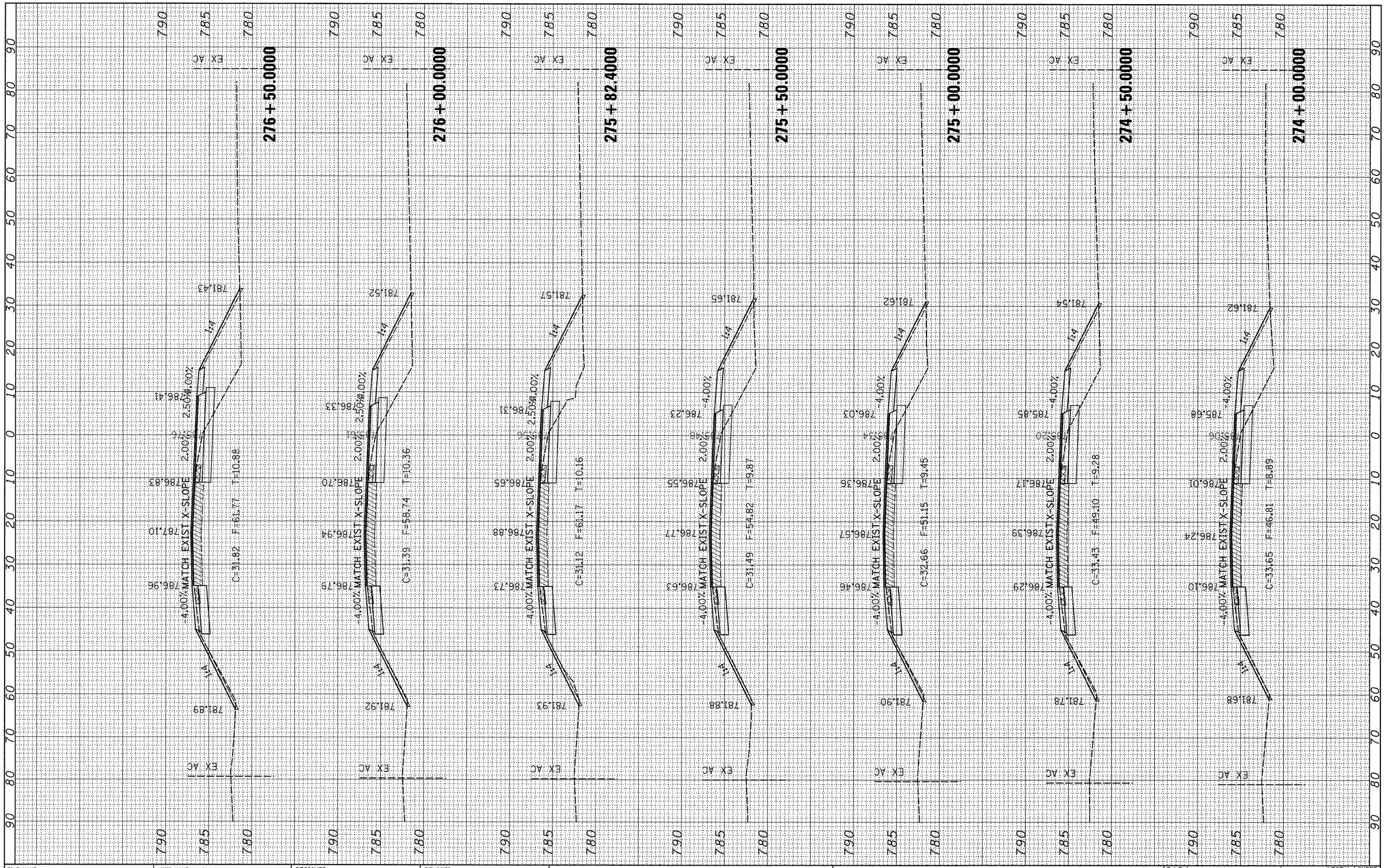
US BR 20
CROSS SECTIONS

SCALE: | SHEET NO. OF SHEETS | STA. 271+00.0000 TO STA. 273+50.0000

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
517	(1-2)M & TS	BOONE	74	64
		CONTRACT NO. 64A09		
	ILLINOIS	FED. AID PROJECT		

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

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



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

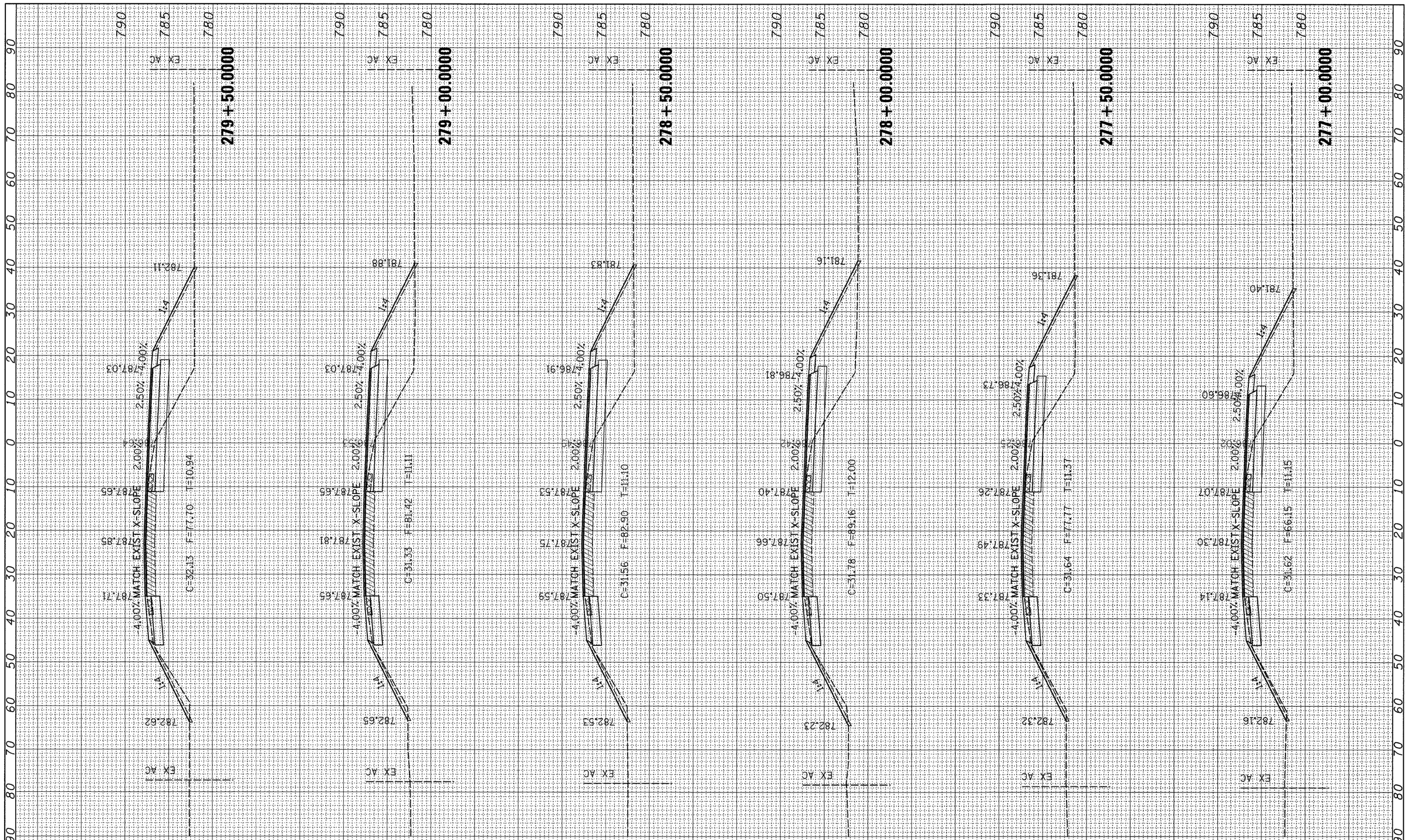
US BR 20
CROSS SECTIONS

SCALE: | SHEET NO. OF SHEETS | STA. 274+00.0000 TO STA. 276+50.0000

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
517	(1-2)M & TS	BOONE	74	65
		CONTRACT NO. 64A09		
		ILLINOIS FED. AID PROJECT		

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

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



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	PLOT DATE = Wed Dec 30 13:32:55 2009	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

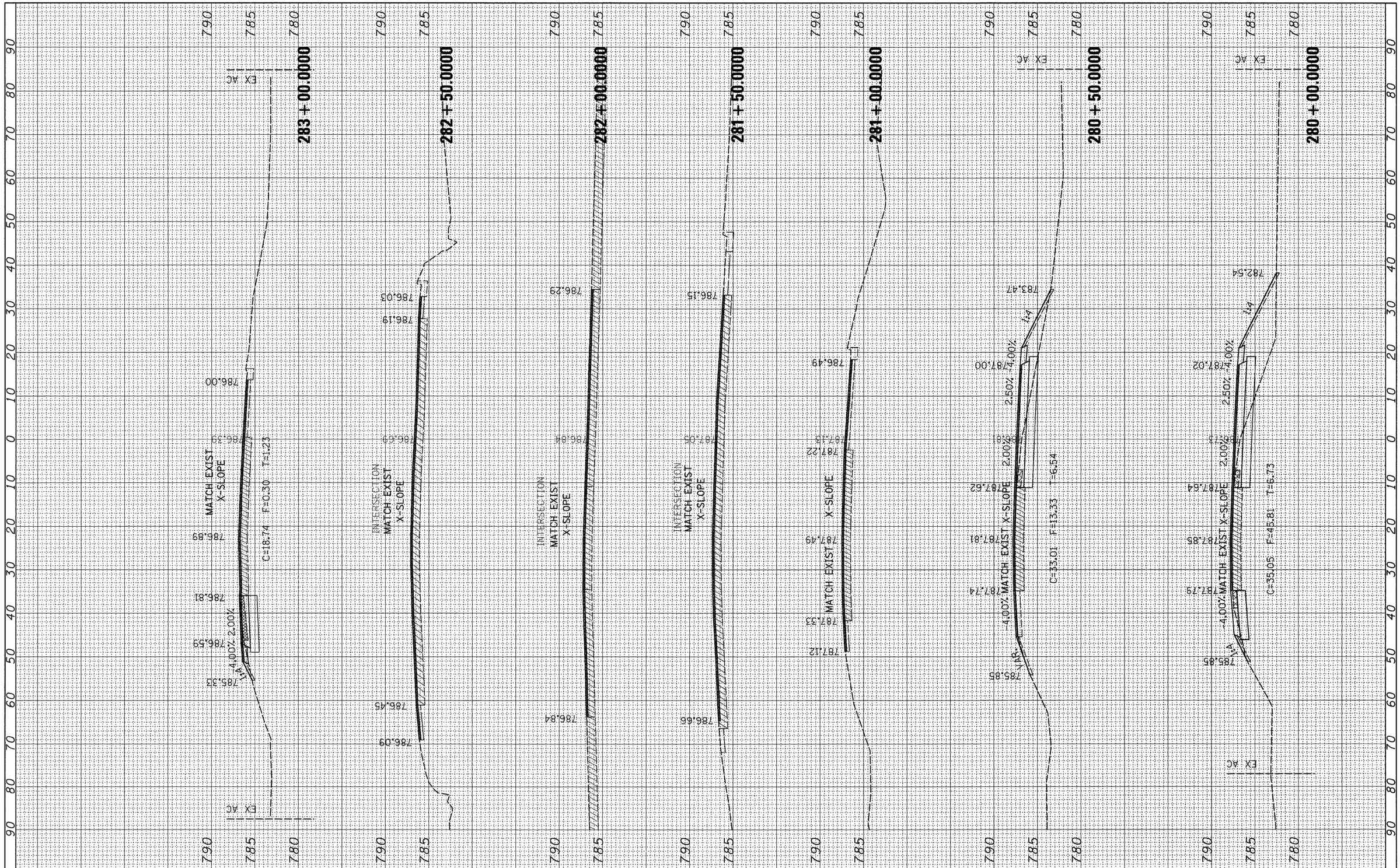
US BR 20
CROSS SECTIONS

SCALE: | SHEET NO. OF SHEETS | STA. 277+00.0000 TO STA. 279+50.0000

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
517	(1-2)M & TS	BOONE	74	66
		CONTRACT NO. 64A09		
		ILLINOIS FED. AID PROJECT		

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

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



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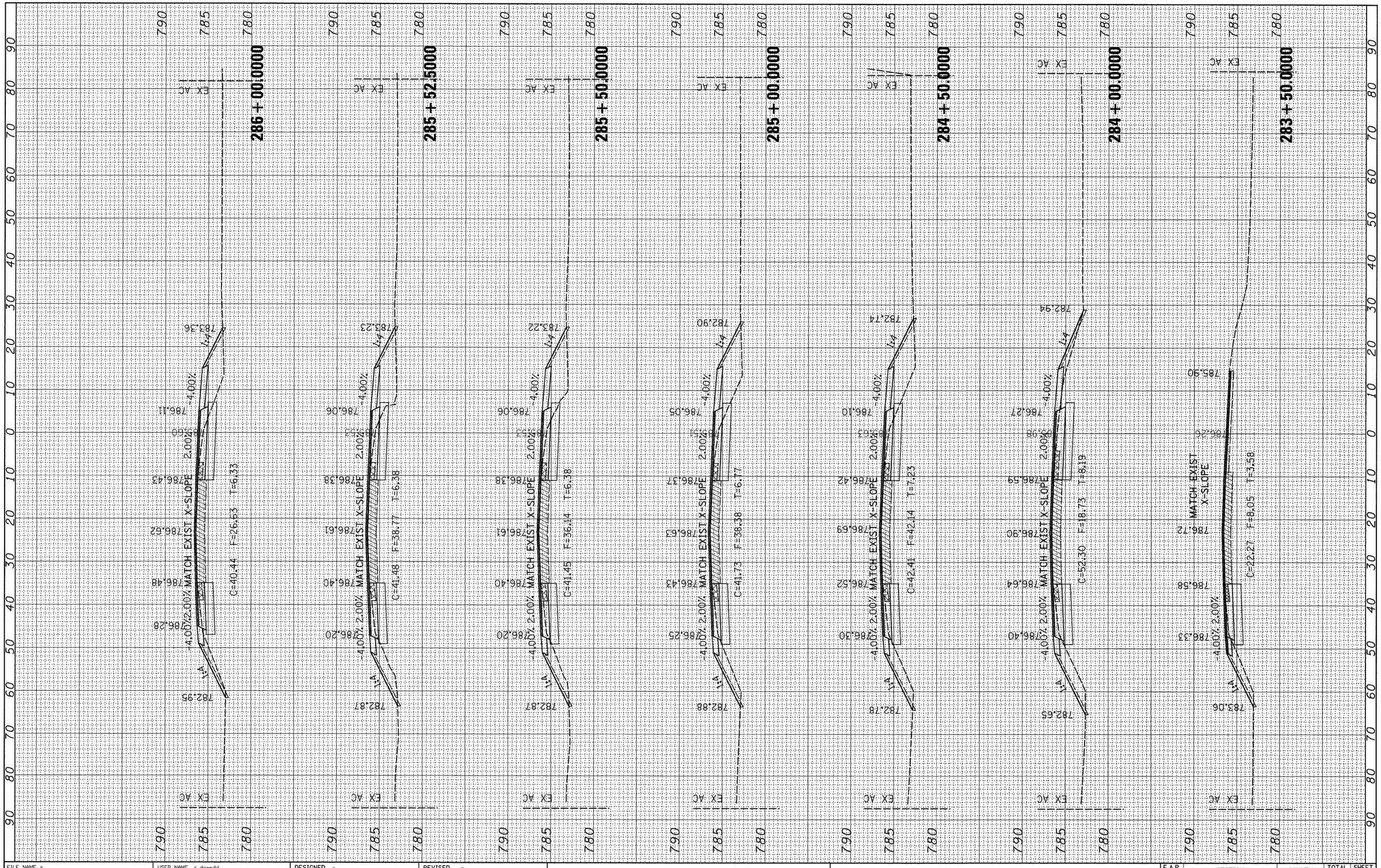
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US BR 20
CROSS SECTIONS

SCALE: | SHEET NO. OF SHEETS | STA. 280+00.0000 TO STA. 283+00.0000

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
517	(1-2)M & TS	BOONE	74	67
		CONTRACT NO. 64A09		
	ILLINOIS	FED. AID PROJECT		



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

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

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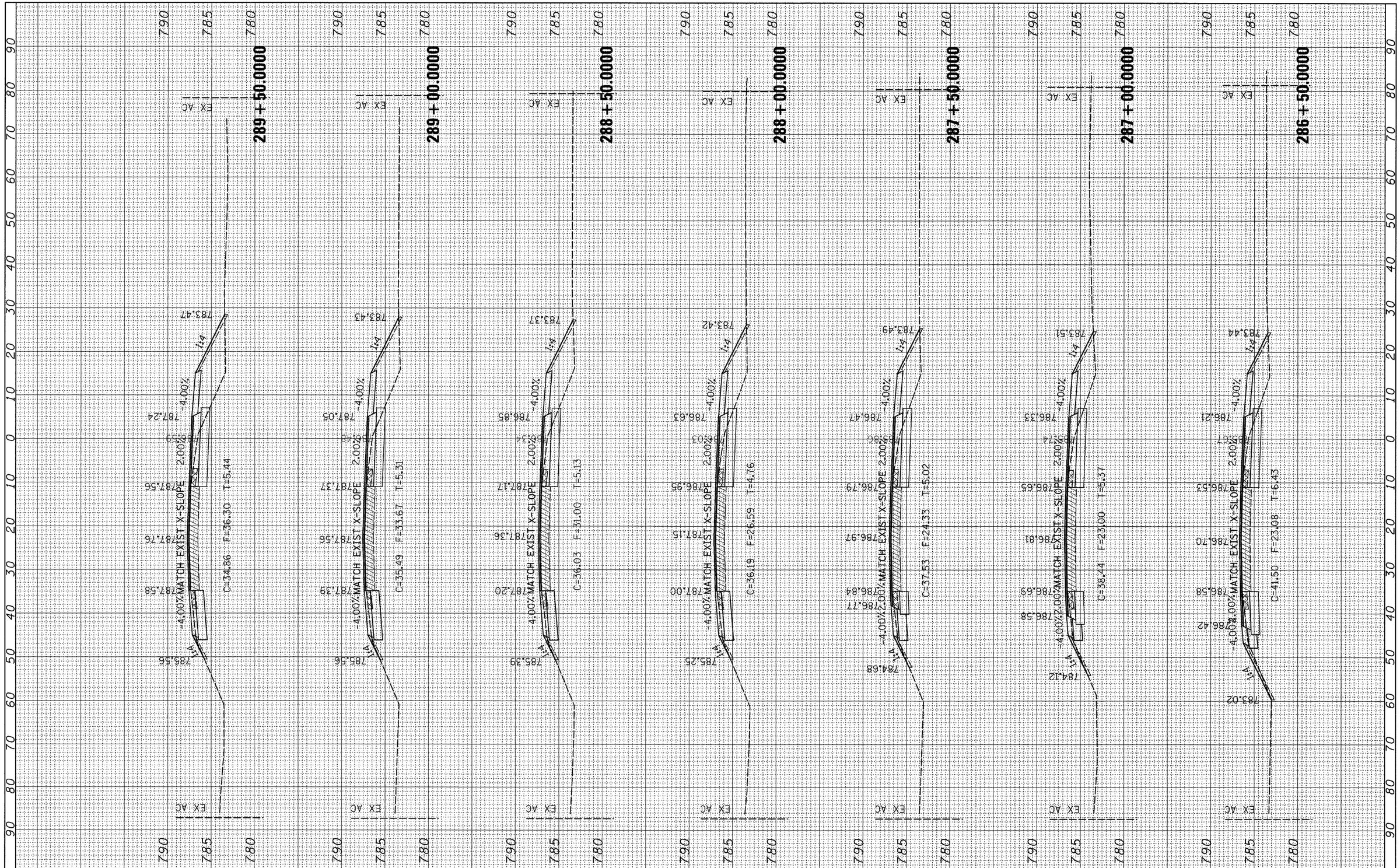
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US BR 20
CROSS SECTIONS

SCALE: | SHEET NO. OF SHEETS | STA. 283+50.0000 TO STA. 286+00.0000

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
517	(1-2)M & TS	BOONE	74	68
		CONTRACT NO. 64A09		
	ILLINOIS FED. AID PROJECT			



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

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

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		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

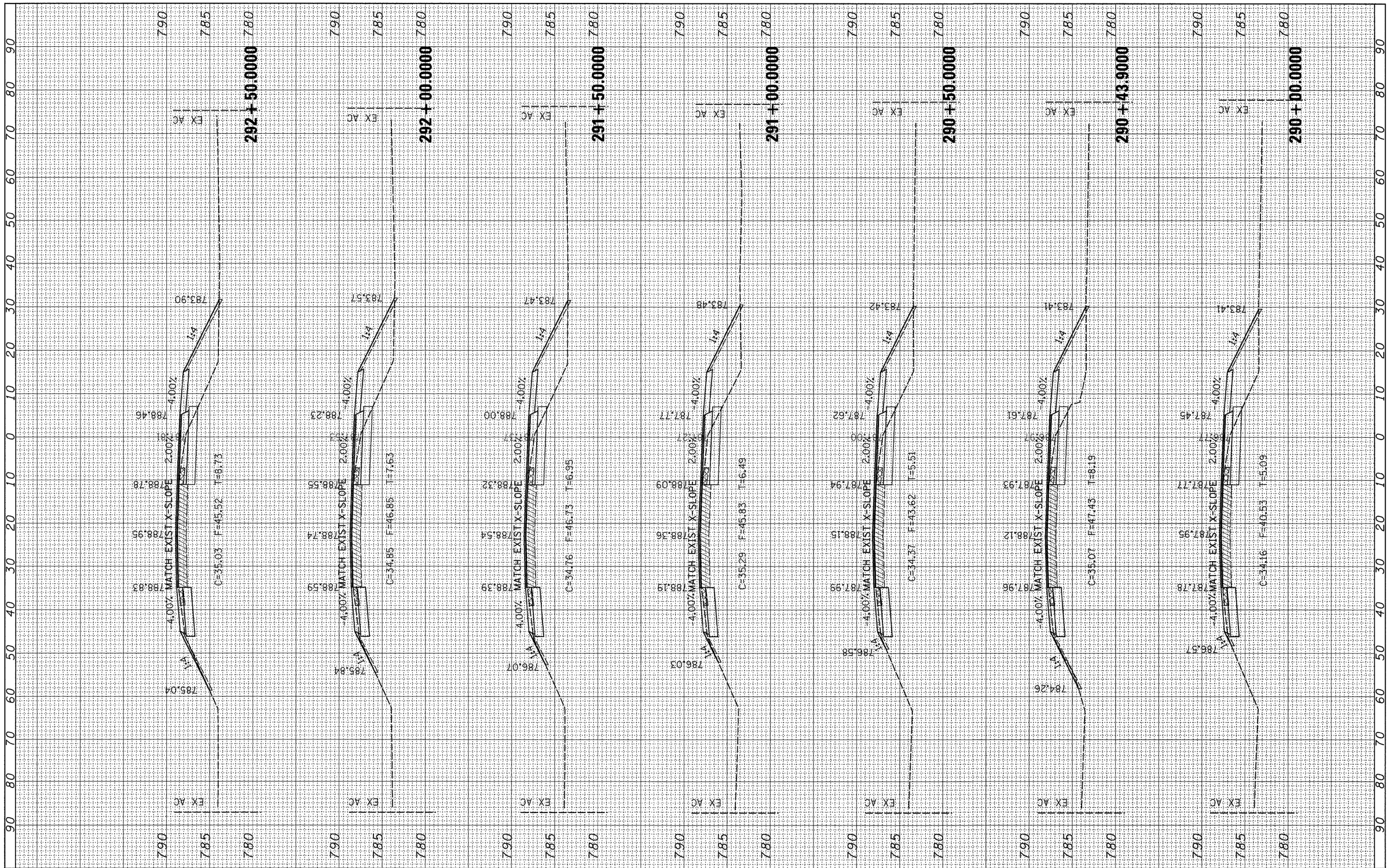
US BR 20
CROSS SECTIONS

SCALE: | SHEET NO. OF SHEETS | STA. 286+50.0000 TO STA. 289+50.0000

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
517	(1-2)M & TS	BOONE	74	69
		CONTRACT NO. 64A09		
		ILLINOIS FED. AID PROJECT		

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

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



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

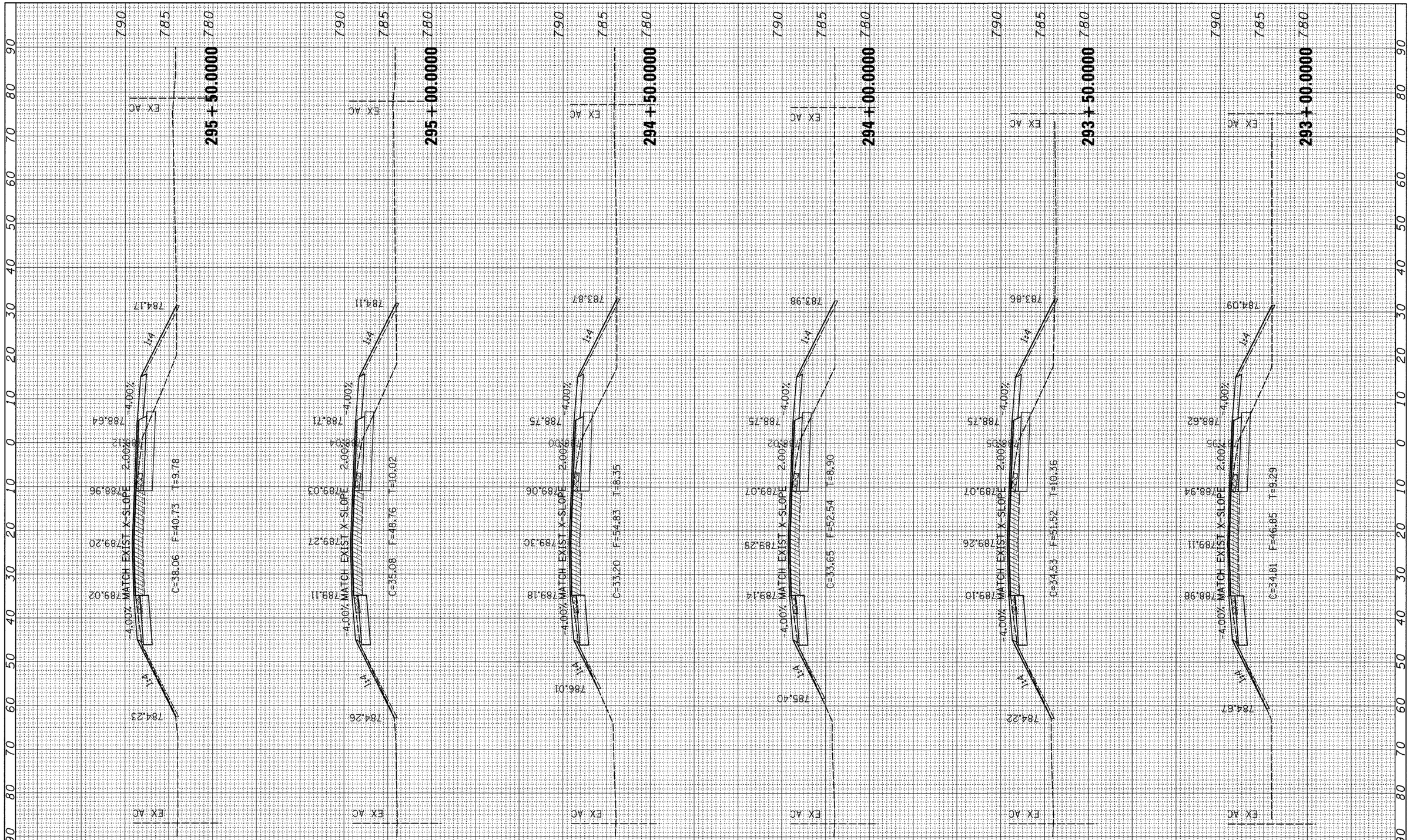
US BR 20
CROSS SECTIONS

SCALE: | SHEET NO. OF SHEETS | STA. 290+00.0000 TO STA. 292+50.0000

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
517	(1-2)M & TS	BOONE	74	70
		CONTRACT NO. 64A09		
		ILLINOIS FED. AID PROJECT		

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

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



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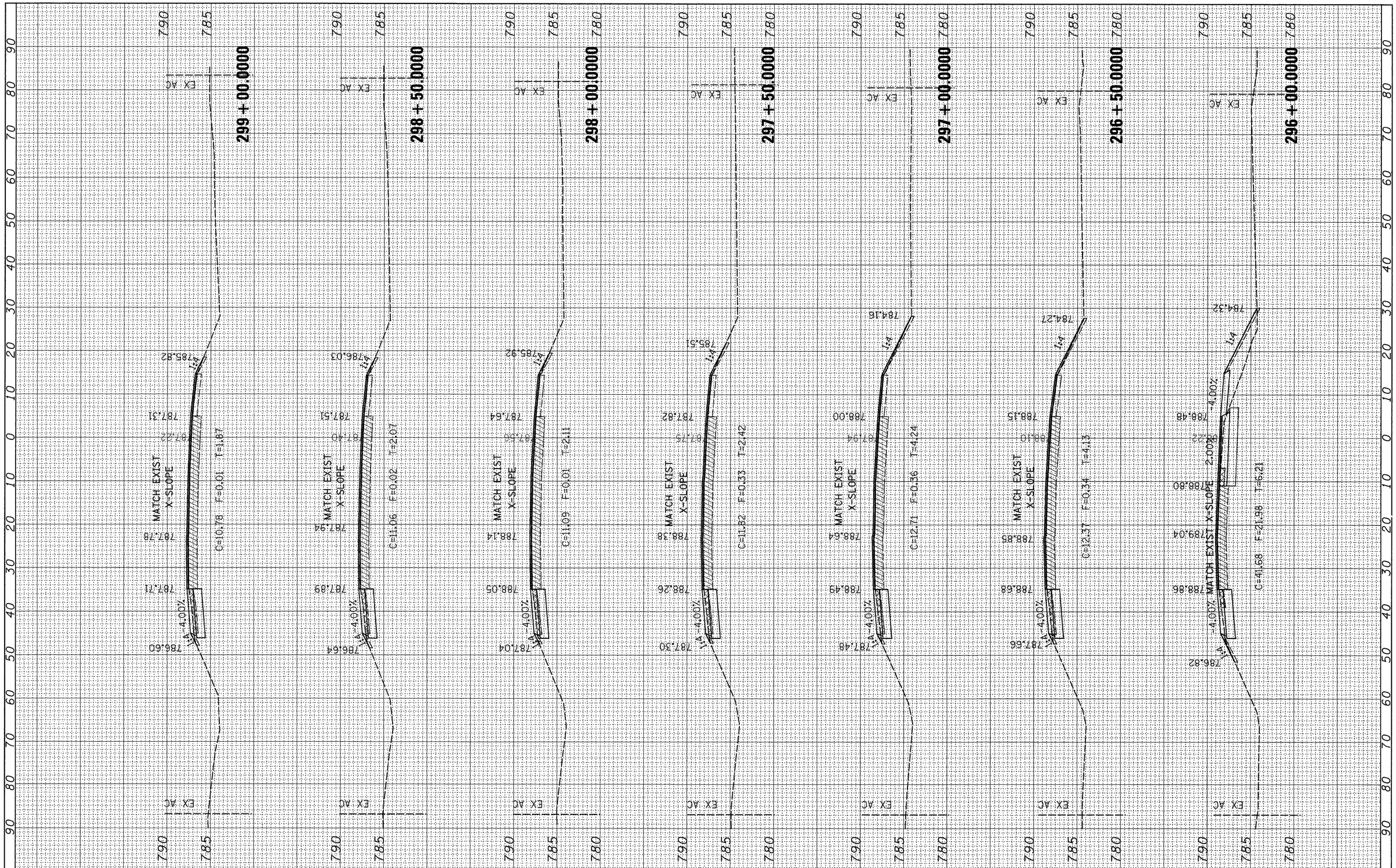
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US BR 20
CROSS SECTIONS

SCALE: | SHEET NO. OF SHEETS | STA. 293+00.0000 TO STA. 295+50.0000

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
517	(1-2)M & TS	BOONE	74	71
		CONTRACT NO. 64A09		
	ILLINOIS FED. AID PROJECT			

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



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

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

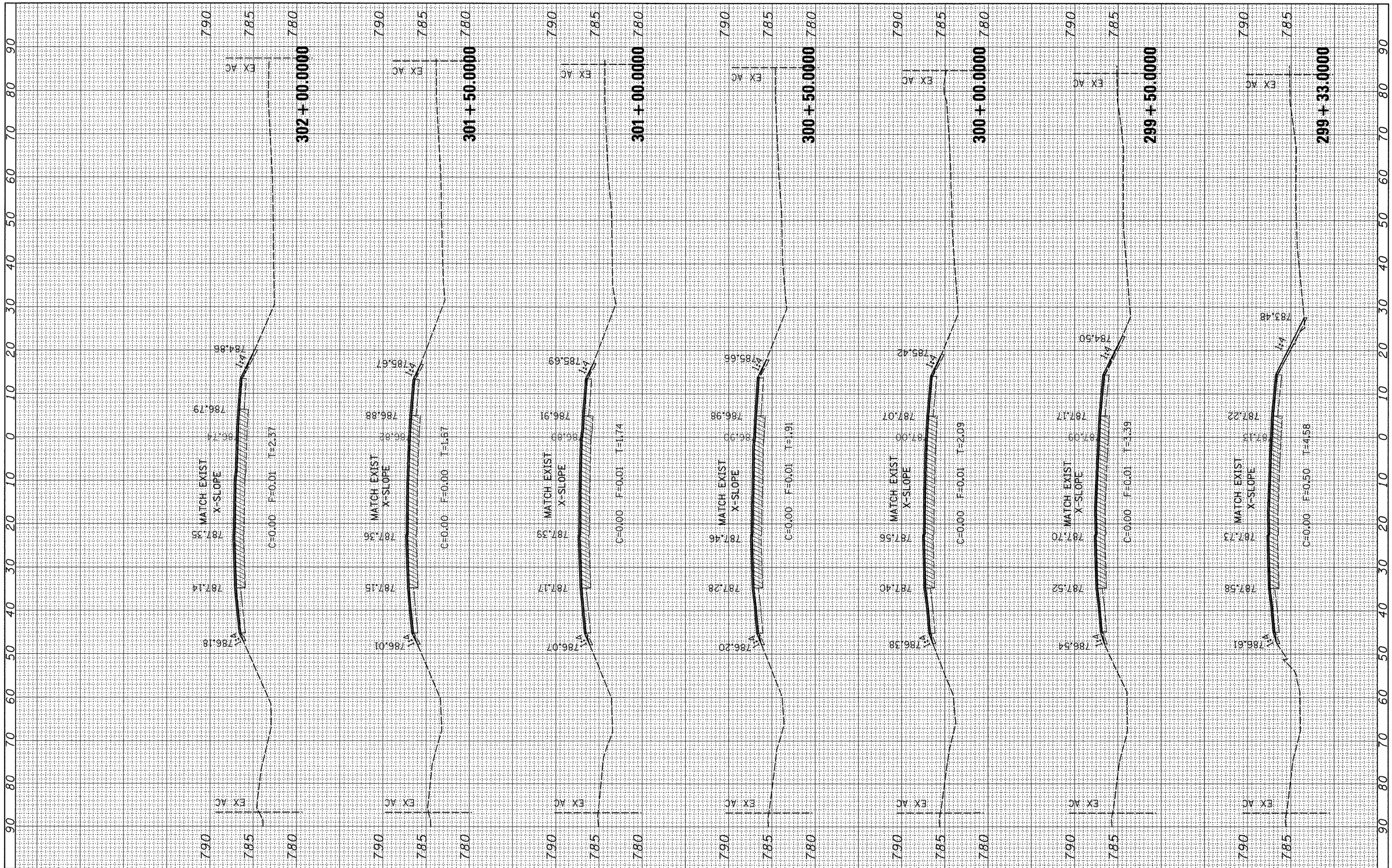
US BR 20
CROSS SECTIONS

SCALE: | SHEET NO. OF SHEETS | STA. 296+00.0000 TO STA. 299+00.0000

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
517	(1-2)M & TS	BOONE	74	72
		CONTRACT NO. 64A09		
	ILLINOIS FED. AID PROJECT			

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

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



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

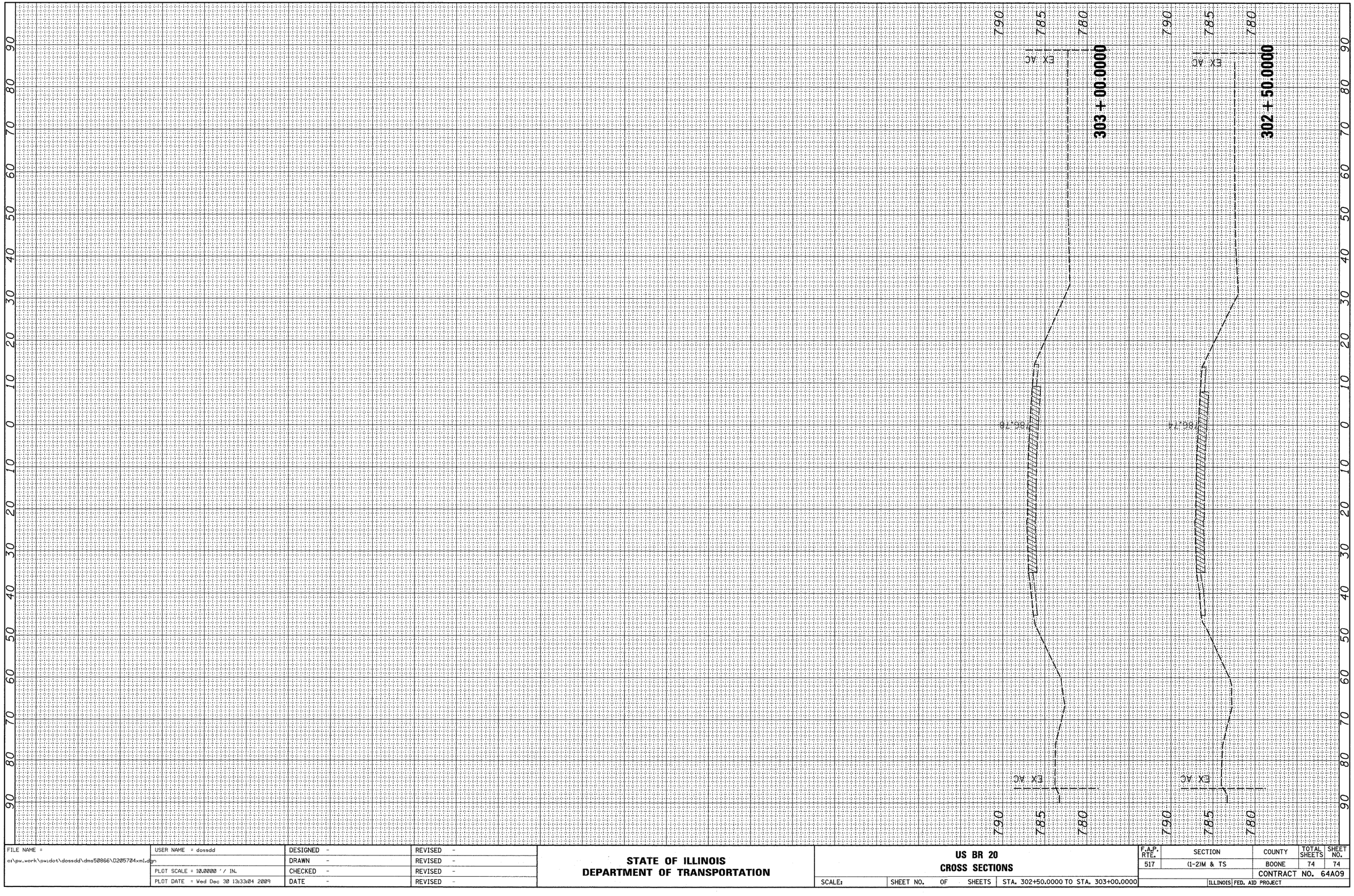
US BR 20
CROSS SECTIONS

SCALE: | SHEET NO. OF SHEETS | STA. 299+33.0000 TO STA. 302+00.0000

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
517	(1-2)M & TS	BOONE	74	73
		CONTRACT NO. 64A09		
		ILLINOIS FED. AID PROJECT		

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

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



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	PLOT DATE = Wed Dec 30 13:33:04 2009	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US BR 20
CROSS SECTIONS

SCALE: | SHEET NO. OF SHEETS | STA. 302+50.0000 TO STA. 303+00.0000

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
517	(1-2)M & TS	BOONE	74	74
		CONTRACT NO. 64A09		
		ILLINOIS FED. AID PROJECT		