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- TYPICAL SECTIONS
- 4 GENERAL NOTES SCHEDULE OF QUANTITIES
- EARTHWORK SCHEDULE
- 7-8 PLAN SHEETS
- HOT-MIX ASPHALT SHOULDER (DIST STD 23.4a)
- DELINEATOR AND POST (DIST STD 37.4)
- TYPICAL BENCHING DETAIL ON EXISTING EMBANKMENT (DIST STD 50.4)
- 10-11 TYPICAL PAVEMENT MARKINGS (DIST STD 41.1)
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STATE STANDARDS

000001-05 STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS

280001-04 TEMPORARY EROSION CONTROL SYSTEMS

482001-02 HMA SHOULDER ADJACENT TO FLEXIBLE PAVEMENT

FLUSH INLET BOX FOR MEDIAN

635001 DELINEATORS

0 1

 \circ

642001 SHOULDER RUMBLE STRIPS
701001-01 OFF-ROAD OPERATIONS, 2L, 2W, MORE THAN 4.5m (15') AWAY

701006-02 OFF-ROAD OPERATIONS, 2L, 2W, 4.5m (15') TO 600mm (24") FROM PAVEMENT EDGE

701011-01 OFF-ROAD MOVING OPERATIONS, 2L, 2W, DAY ONLY 701201-02 LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS ≥ 45 MPH

701301-02 LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS

701311-02 LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY

701326-02 LANE CLOSURE, 2L, 2W, PAVEMENT WIDENING, FOR SPEEDS ≥ 45 MPH

TRAFFIC CONTROL DEVICES 701901

METAL POSTS FOR SIGNS, MARKERS AND DELINEATORS

TELESCOPING STEEL SIGN SUPPORT

APPLICATIONS OF TYPES A AND B METAL POSTS (FOR SIGNS AND MARKERS)

STATE OF ILLINOIS

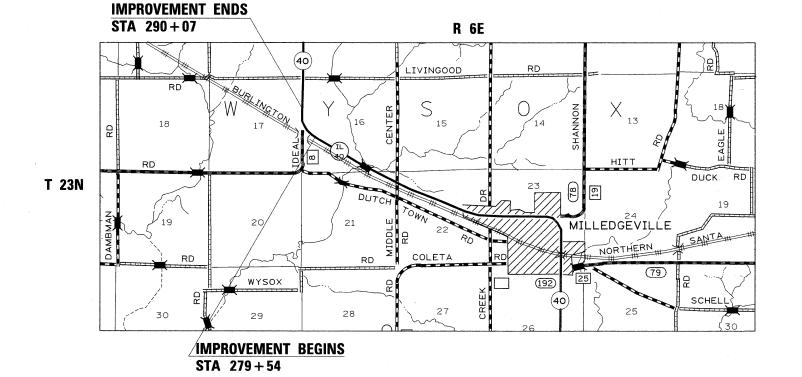
DEPARTMENT OF TRANSPORTATION

DIVISION OF HIGHWAYS

PROPOSED HIGHWAY PLANS

FAP ROUTE 646 (IL 40) SECTION 5M-1 PROJECT ACHSIP- 0646 (067) **CARROLL COUNTY** C-92-010-09

WYSOX TOWNSHIP 16 & 17



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

CONTRACT NO. 64E50

PROJECT ENGINEER: MASOOD AHMAD SENIOR SQUAD LEADER: SAM ABDULLAH (815) 284-5935 **SQUAD LEADER: DAVID DOSS (815) 284–5516**

GROSS LENGTH = 1053 FT. = 0.20 MILE **NET LENGTH = 1053 FT. = 0.20 MILE**

COUNTY 646 5M-1 CARROLL ILLINOIS CONTRACT NO. 64E50 FED. ROAD DIST. NO.

D-92-016-08



STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION **DIVISION OF HIGHWAYS** SUBMITTED AUGUST 4 20 08 Beage F. Ryman DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER October 3, 20 08 Sterin ENGINEER OF DESIGN AND ENVIRONMENT October 3, 20 08 Christine M. Reed P.D. DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

SUMMARY OF QUANTITES

SFTY-2A

					<u> </u>	
CODE NUMBER	ITEM		UNIT	TOTAL QUANTIT	90% FED 10% STATE	
20200100 EARTH EX	CAVATION		CU YD	618	618	
28000300 TEMPORARY	DITCH CHECKS		EACH	46	46	
28000500INLET AND	28000500INLET AND PIPE PROTECTION					
40603310 HOT-MIX A	TON	58	58			
48101600 AGGREGATE	SQ YD	790	790			
48203023 HOT-MIX A	SPHALT SHOULDERS, 6 1/2"	\$	SQ YD	687	687	
50104400 CONCRETE	HEADWALL REMOVAL		EACH	1	1	
54244405 FLUSH INL	ET BOX FOR MEDIAN, STANDARD	542546	EACH	1	1	
63500105 DELINEATO	RS		EACH	4	4	
64200105 SHOULDER	RUMBLE STRIP		FOOT	1,545	1,545	
67100100 MOBILIZAT	ION		L SUM	1	1	
70100450 TRAFFIC C	ONTROL AND PROTECTION,	STANDARD 701201	L SUM	1	1	
70100500 TRAFFIC C	ONTROL AND PROTECTION,	STANDARD 701326	L SUM	1	1	
78001110 PAINT PAV	EMENT MARKING - LINE 4"		FOOT	8,104	8,104	
Z0014800 CULVERT T	O BE CLEANED		FOOT	38	38	
* SPECIALTY ITEM (NP 100% STATE					

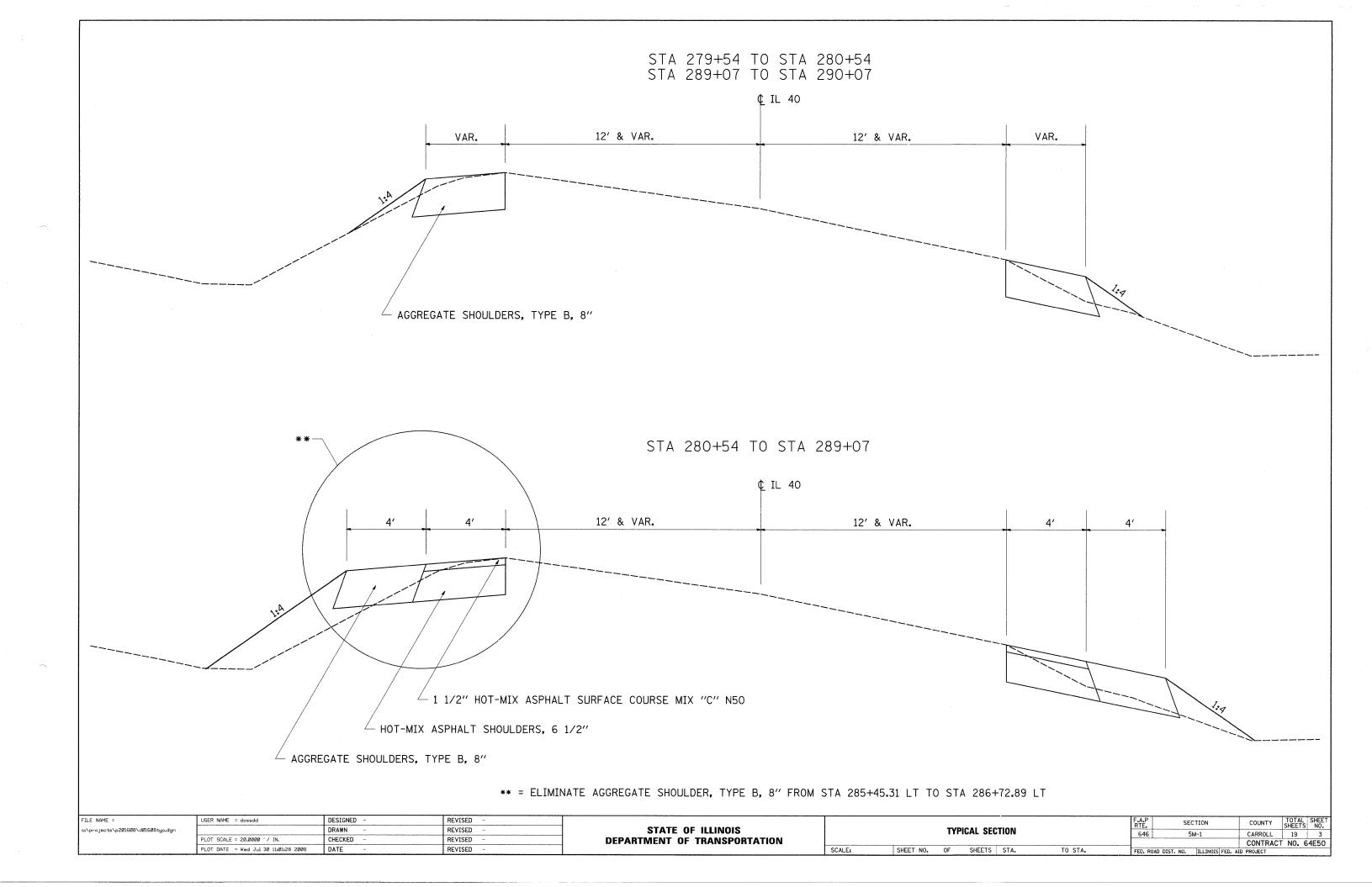
* SPECIALTY ITEM • NP 100% STATE

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A.P E.		SECTION						COUNTY	TOTAL	SHEE NO.
46	5M-1					CARROLL	_19_	2_		
								CONTRACT	NO. 6	4E50
D. R	DAD	DIST.	NO.	_	ILLINOIS	FED.	AID	PROJECT		



GENERAL NOTES

ROUTE NO.	SEC.	COUNTY	TOTAL	SHEET NO.
FAP 646 (IL 40)	5M-1	Carroll	19	4
FED ROAD DIST. NO.	ILLINOIS	PROJECT		
Contract #64E50				

See cross sections for special ditches and backslopes.

The final top 100 mm (four inches) of soil in any right-of-way area disturbed by the Contractor must be capable of supporting vegetation. The soil must be from the A horizon (zero to 2' deep) of soil profiles of local soils.

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. This work will be included in the contract unit price per Cubic Meter (Cubic Yard) for EARTH EXCAVATION.

Fertilizer shall be applied to all disturbed areas and incorporated into the seedbed prior to seeding or placement of sod at the rate specified in Sections 250 and 252 of the Standard Specifications. This work shall be included in the cost of EARTH EXCAVATION.

Mulch Method II shall be applied over all seeded areas. This shall be included in the cost of the EARTH EXCAVATION.

The following Mixture Requirements are applicable for this project:

Mixture Uses(s):	Top Shoulder	Bottom Shoulder	
PG:	PG 58-22	PG 58-22	
Design Air Voids	3.0% @ N50	2.0% @ N50	
Mixture Composition	IL 9.5 or 12.5	IL 19.0	
(Gradation Mixture)		or BAM	
Friction Aggregate	С		,
20 Year ESAL	0.7		

Install rumble strips in all shoulders in accordance with State Standard 642001. Rumble Strips shall be placed on shoulders on both sides of the pavement.

The Contractor shall be responsible for protecting utility property during construction operations as outlined in Article 107.31 of the Standard Specifications. A minimum of 48 hours advance notice is required for non-emergency work. The JULIE number is 800-892-0123. The following listed utilities located within the project limits or immediately adjacent to the project construction limits are members of JULIE:

(Type names of JULIE companies from attached utility form. No addresses.)

Following are the known utilities located within the project limits or immediately adjacent to the project construction limits which are not members of JULIE and should be notified individually by the contractor:

(Type Non-Ju	lie company na	ame, address,	and phone	number.)

CADD data will be available to Contractors and Consultants working on this project. This information will be provided upon request as MicroStation CADD files and Geopak coordinate geometry files <u>ONLY</u>. If data is required in other formats it will be your responsibility to make these conversions. If any discrepancy or inconsistency arises between the electronic data and the information on the hard copy, the information on the hard copy should be used. Contact the District's Project Engineer to request these files.

The Department shall be responsible for installing the chevrons on the project.

Program #5 (Arch. Size) Enlarge 200% Enlarge 107%

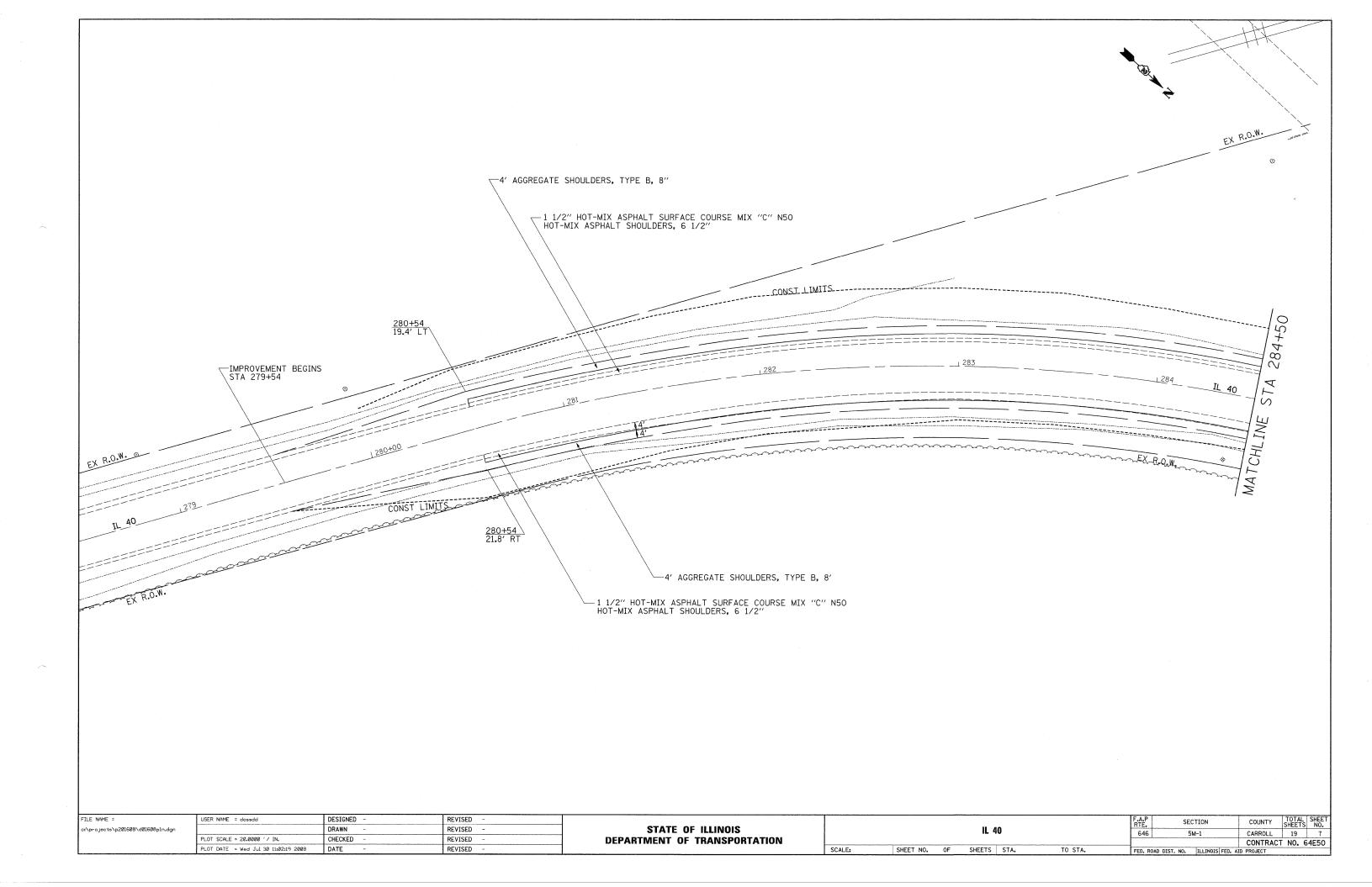
28000300 TEMPORARY DITCH CHECKS	28000500 INLET A	ND PIPE PROTECTION	54244405 FLUSH INLET BOX FC	DR MEDIAN, STANDARD 542546
EACH LOCATION	EACH	LOCATION	EACH LOCATION	
IL 40 1 Sta 280+50 R1 1 Sta 282+0 R1 1 Sta 282+50 L1	T 1	IL 40 _ Sta 286+50 21′RT TOTAL	IL 40 1 S†a 286 ⁻ 1TOTAL	+55 LT
1 S+a 283+0 R1 1 S+a 285+0 R1	T 40603310 HOT-MIX	(ASPHALT SURFAŒ COURSE, MIX "C", N50	63500105 DELINEATORS	
1 Sta 285+0 LT 1 Sta 285+25 LT 1 Sta 285+36 RT	TON	LOCATION	EACH LOCATION	
1 Sta 285+50 LT 1 Sta 285+72 RT 1 Sta 285+75 LT 1 Sta 286+0 RT 1 Sta 286+0 LT 1 Sta 286+25 RT 1 Sta 286+25 LT	31.8 16.9 4.8 	IL 40 Sta 280+54 - 289+07 RT Sta 280+54 - 285+07 LT Sta 285+45 - 286+73 LT Sta 287+95 - 289+07 LT TOTAL	IL 40 1 Sta 285- 1 Sta 286- 1 Sta 286- 4 TOTAL	+45.4RT +55.7LT
1 Sta 286+50 RT 1 Sta 286+50 LT 1 Sta 286+75 RT	Г Г 48101600 <u>AGGREG</u>	ATE SHOULDERS, TYPE B 8"	64200105_SHOULDER RUMBLE S	<u>T</u> RIP
1 Sta 287+0 RT 1 Sta 287+20 RT 1 Sta 287+40 RT	SQ YD	LOCATION	FOOT LOCATION IL 40	
1 Sta 287+60 RT 1 Sta 287+80 RT 1 Sta 288+0 RT 1 Sta 288+0 LT 1 Sta 288+15 LT 1 Sta 288+20 RT	で で で で で で で で で で で で で で で で で で た で た で た	IL 40 Sta 279+54 - 280+54 RT/LT Sta 289+07 - 290+17 RT/LT Sta 280+54 - 285+15 RT Sta 285+15 - 285+40 FE+31 RT Sta 285+40 - 289+07 RT	453 Sta 280- 128 Sta 285-	+54 - 289+07 RT +54 - 285+07 LT +45 - 286+73 LT +95 - 289+07 LT
1 S+a 288+30 LT 1 S+a 288+40 RT 1 S+a 288+45 LT 1 S+a 288+60 RT 1 S+a 288+60 LT		Sta 280+54 - 285+11 LT Sta60 +71 - 289+07 LT TOTAL	78001110 <u>PAINT PAVEMENT MAI</u> (2 APPLICATIONS) <u>EOOT</u> <u>LOCATION</u>	RKING - LINE 4"
1 S+a 288+75 LT 1 S+a 288+80 RT 1 S+a 288+90 LT 1 S+a 289+0 RT 1 S+a 289+0 LT 1 S+a 289+15 RT 1 S+a 289+15 LT 1 S+a 289+30 RT	48203023 <u>HOT-MIX</u> SQ YD 379 201 57	ASPHALT SHOULDERS, 6 1/2" LOCATION IL 40 S+a 280+54 - 289+07 RT S+a 280+54 - 285+07 LT S+a 285+45 - 286+73 LT	1,106 Sta 279 ⁻ 256 Sta 285 ⁻	+45 - 286+73 LT (WHITE) +95 - 290+07 LT (WHITE)
1 S+a 289+30 LT 1 S+a 289+45 RT 1 S+a 289+45 LT	687	_ S+a <i>5</i> 0 +95 - 289+07 LT TOTAL	Z0014800_CULVERT_TO_BE_CLEA	ANED
1 S+a 289+60 RT 1 S+a 289+75 RT _1 S+a 289+90 RT	50104400 CONCRET	TE HEADWALL REMOVAL	EOOT LOCATION IL 40	
46 TOTAL		LOCATION IL 40 Sta 286+55 LT TOTAL		+55 LT (15" RCP @ Ideal Rd.)
FILE NAME = USER NAME = dossdd c:\projects\p201608\d01608spl.dgn PLOT SCALE = 50.0000 '/ IN. PLOT DATE = Fr1 Aug 01 11:30:10 2008	DESIGNED - DRAWN - CHECKED - DATE - REVISED REVISED	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCALE: SHEET NO. OF SHEETS STA. T	F.A.P SECTION COUNTY TOTAL SHEETS NO.

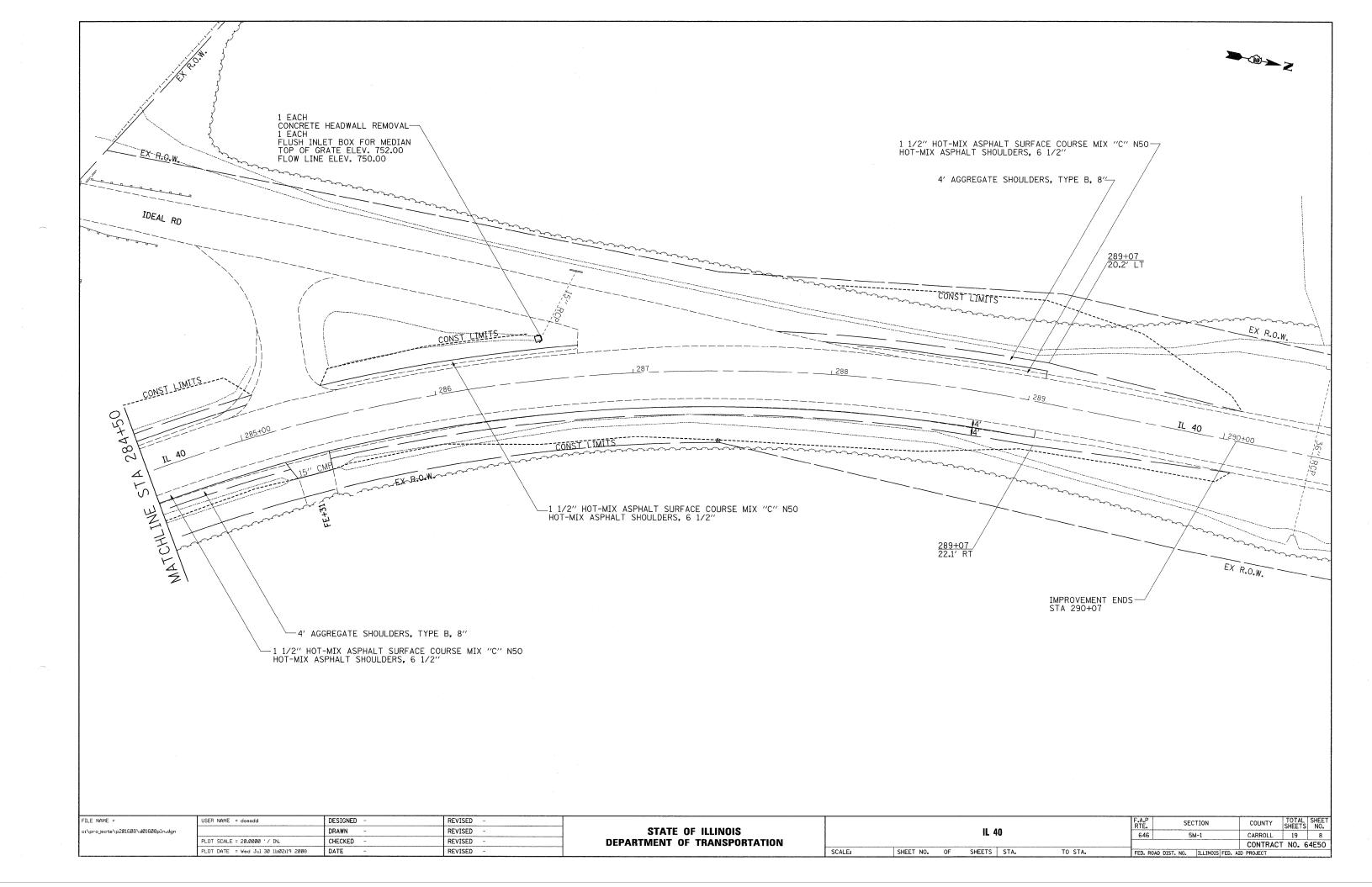
EARTHWORK SCHEDULE EARTH EARTH WORK EARTH EXC ADJ BALANCE SHRINK EMBANK WASTE (+) EXC LOCATION 25% (CUT)SHORTAGE (-) CU YD CU YD YD 279+50 - 290+50 463 272 192 618

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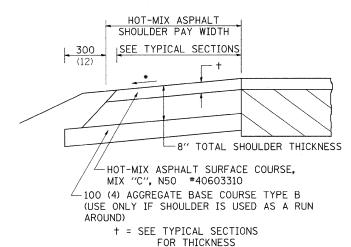
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DEPARTMENT	OF 7	TRANSPORTATION	

	EARTHWORK SCHEDULE							SECTION			COUNTY	TOTAL SHEET:	SHE S NO	
EARTHWORK SCHEDULE					646		5M	-1			CARROLL	19	6	
											Τ	CONTRACT	NO.	64E5
LE:	SHEET NO	. 01	SHEETS	STA.	TO STA.	FED. RO	AD DIST.	NO.	ILLINOIS	FED. A	AID I	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.

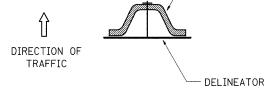
USE HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 #40603310. WHEN RESURFACING EXISTING HOT-MIX ASPHALT SHOULDERS. THE THICKNESS IS SHOWN ON THE TYPICAL SECTIONS. THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER TON FOR HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 #40603310.

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.

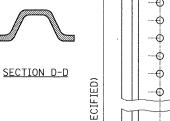
REVISED - 11-01-07



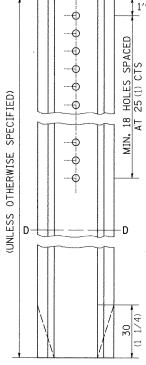
DELINEATORS SHALL BE INSTALLED ACCORDING TO STANDARD 635001 EXCEPT THAT THE POST SHALL BE ROTATED 180°. THE POST WILL HAVE THE WIDE SIDE FACING TRAFFIC AND THE DELINEATOR ATTACHECD AS SHOWN ABOVE.

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

REVISED - 11-01-07



DELINEATOR AND POST ORIENTATION



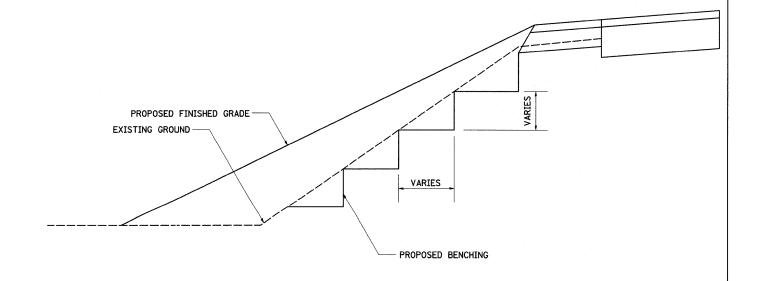
HOT-MIX ASPHALT SHOULDER

23.4a

DELINEATOR AND POST ORIENTATION

37.4

TYPICAL BENCHING ON EXISTING EMBANKMENT



REVISED - 2-22-06

REVISED TOTAL SHEE SHEETS NO. SECTION REVISED REGION 2 / DISTRICT 2 STANDARD CARROLL 19 9 646 5M-1 REVISED CONTRACT NO. 64E50 REVISED SCALE: 50.0000 // IN SHEET NO. OF SHEETS STA. TO STA.

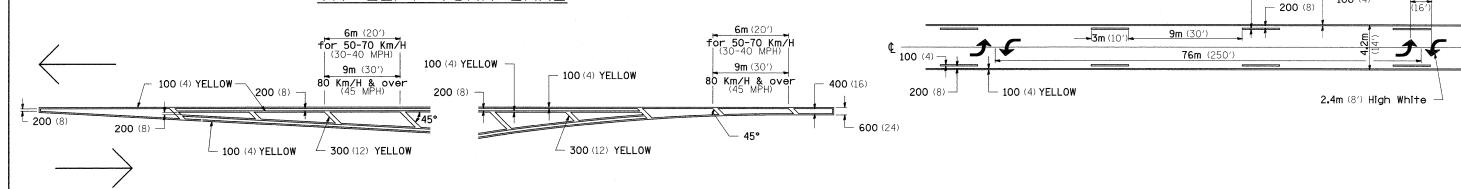
TYPICAL PAVEMENT MARKINGS

MEDIAN PAVEMENT MARKING

100 (4) YELLOW

- 100 (4)

TYPICAL PAVEMENT MARKING FOR FLUSH MEDIAN AT LEFT TURN LANE

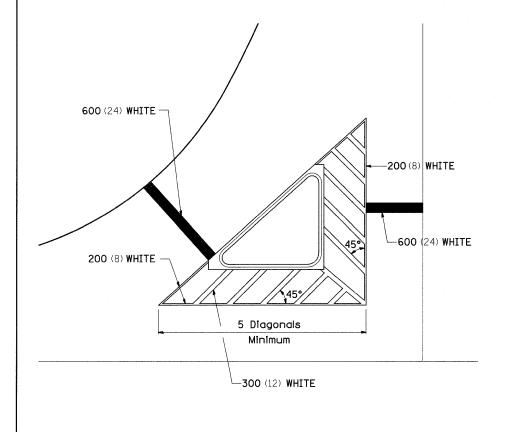


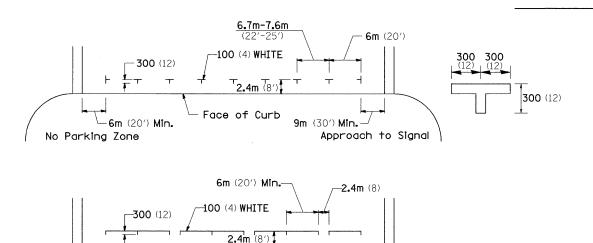
TYPICAL ISLAND OFFSET SHOULDER WIDTH

TYPICAL PARKING SPACING

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

STANDARD CROSSWALK MARKING See Schedules for Locations





6m (20') Min.-

SCALE:

		Edge o	f Pavement
		*	1.2m (4′) Min. 9m (30′) Max.
\	[1.8m (6') Minimum /		
00 (12)	\$1.2m (4')		Ł
	All Sto	p Bars D WHITE	
		, , , , , , , , , , , , , , , , , , , 	

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

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Face of Curb

└**-6m** (20′) **Min.**

No Parking Zone

REGION 2 / DISTRICT 2 STANDARD

SHEET NO. OF SHEETS STA. TO STA.

