INDEX OF SHEETS

DESCRIPTION TITLE SHEET

SCHEDULES

SHEET NO.

STATE OF ILLINOIS

DEPARTMENT OF TRANSPORTATION

DIVISION OF HIGHWAYS

PLANS FOR PROPOSED STR

THE FOLLOWING STANDARDS ARE A PART OF THESE PLANS AND ARE **INCLUDED AFTER SHEET NO. 4**

TYPICAL SECTIONS, SUMMARY OF QUANTITIES, GENERAL NOTES, MISCELLANEOUS DETAILS DETAILS OF INTERSECTIONS, AND SIDEROADS

F.A.S. 1816(CH 16) SECTION 06-00099-00-RS WHITE COUNTY STANDARD SYMBOLS, ABBREVIATIONS & PATTERNS JOB# C-99-536-06 PROJECT NO. RS-1816(102)

BEGINS STATION 0+00

SECTION 06-00099-00-RS ENDS STATION 132+56

OFF-RD OPERATIONS, 2-L. 2-W, 4.5 m (15') TO PAVEMENT EDGE 701006-02 FOR SPEEDS > 45 MPH LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS 701301-02 LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS 701306--01 DAY ONLY FOR SPEEDS > 45 MPH 701311-02 LANE CLOSURE, 2L, 2W, MOVING DAY OPERATIONS 701336-04 LANE CLOSURE 2L, 2W, WORK AREAS IN SERIES 702001-0G TRAFFIC CONTROL DEVICES TYPICAL PAVEMENT MARKINGS 780001-01 781001-02 TYPICAL APPLICATIONS RAISED REFLECTIVE

PAVEMENT MARKERS

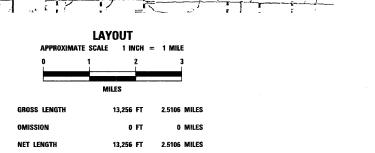
SUMMARY OF QUANTITIES

			Z000
CODE NUMBER	<u>ITEM</u>	UNIT	QUANTITY
*XX003140	SHORT TERM PAVEMENT MARKING REMOVAL	FOOT	1326.00
*XX127400	PAVEMENT REMOVAL AND REPLACEMENT (SPECIAL)	TON	79.00
*X4066414	BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "C", N50	TON	2352.00
*X4066770	LEVELING BINDER (MACHINE METHOD), SUPERPAVE N70	TON	5414.00
28100807	STONE DUMPED RIPRAP, CLASS A4	TON	29.30
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	4731.00
40600300	AGGREGATE (PRIME COAT)	TON	95.00
48101200	AGGREGATE SHOULDERS, TYPE B	TON	1577.00
*54223477	REMOVE & RELAY PIPE CULVERTS 42"	FOOT	36.00
54390250	INSERTION CULVERT LINER 42"	FOOT	70.00
67100100	MOBILIZATION	L SUM	1.00
70100460	TRAFFIC CONTROL AND PROTECTION STANDARD 701306	L SUM	1.00
70100600	TRAFFIC CONTROL AND PROTECTION STANDARD 701336	L SUM	1.00
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	3977.00
△ 78001110	PAINT PAVEMENT MARKING-LINE 4"	FOOT	48599.00
△ 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	166.00

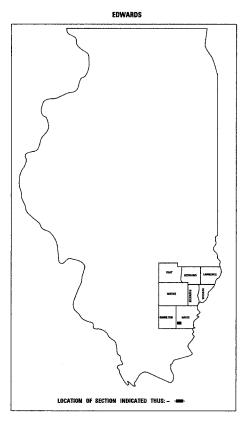
A SPECIALTY ITEMS

DESIGN CLASS - MAJOR COLLECTOR CURRENT A.D.T. = 770 DESIGN SPEED = 50 MPI

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



SECTION WHITE 1816 06-00099-00-RS FED. ROAD DIST, NO. 9 ILLINOIS NORRIS CITY RESERVOIR LEC JOB # H05IL013WH



PHONE: (618)-262-8651 FAX: (618)-263-3327

405 W. STATE ST. SUITE1 PRINCETON, IN 47670 PHONE: (812)-386-7611 FAX: (812)-385-2812



LAND SURVEY & PROFESSIONAL ENGINEERING CORPORATION

184-000887 (62-032435)(35-002769) . 56284 REGISTERED PROFESSIONAL LLINOIS

5-09-06

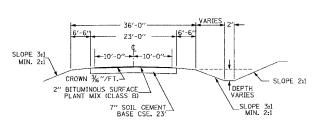
APPROVED May 09 20 06 MAY 15 DET W. HILL-DISTRICT NINE ENGINEER OF LOCAL ROADS & STREETS DEPUTY DIRECTOR OF HIGHWAYS,

REGION FIVE ENGINEER STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

TYPICAL CROSS SECTION

EXISTING

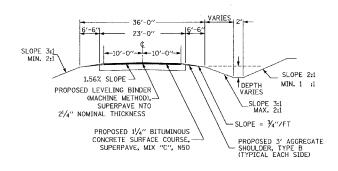
STA, 0+00 TO STA, 65+52



TYPICAL CROSS SECTION

PROPOSED

STA. 0+00 TO STA. 65+52



GENERAL NOTES:

THIS SECTION CONSISTS OF PAVEMENT REMOVAL AND REPLACEMENT SPECIAL, LEVELING BINDER (MACHINE METHOD), SUPERPAVE NTO, AND BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "C", NOS, AGGREGATE SHOULDERS, AND OTHER MISCELLANEOUS ITEMS NECESSARY TO COMPLETE THE PROJECT, ALL IN ACCORDANCE WITH THE PLANS, SPECIAL PROVISIONS AND "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" ADOPTED JANUARY 1, 2002.

THE EXISTING GRADE, ALIGNMENT, DRAINAGE STRUCTURES, BASE AND SURFACE WERE CONSTRUCTED UNDER SECTIONS 33-0 AND SHALL REMAIN IN PLACE. ALL STATIONS REFERRED TO IN THE PLANS AND PROPOSAL ARE REFERENCED TO THE ABOVE MENTIONED SECTIONS.

MAXIMUM PERCENT OF GRADE	+6.48 %
MINIMUM STOPPING SIGHT DISTANCE	525 F
DESIGN SPEED	50 M
CURRENT ADT	770 VF
DESIGN ADT (20 YEAR)	1040 V

THE BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "C", N50 SHALL BE PLACED IN ONE LIFT WITH A MINIMUM THICKNESS OF $1^1\!/_4$ ".

THE QUANTITY SHOWN IN THE SUMMARY OF QUANTITIES FOR BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "C", N50 ALLOWS 142.5 TON FOR THE INTERSECTIONS, SIDEROADS, AND TAPERS; 114.2 TON FOR THE ENTRANCES; 51.4 TON FOR THE MAILBOX TURNOUTS, AND 2044.0 TON FOR THE 1½" BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE. MIX "C". N50.

A BITUMINOUS TAPER OF 0" TO 3-1/2" SHALL BE CONSTRUCTED FROM STATION 0+00 TO STATION 0+70 AND 3-1/2" TO 0" FROM STATION 132+06 TO STATION 132+56.

THE FOLLOWING RATES HAVE BEEN USED TO CALCULATE PLAN QUANTITIES:

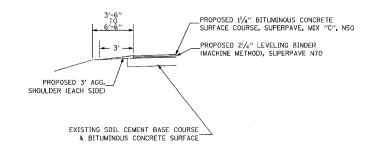
AGGREGATE SHOULDERS TY. B	
BITUMINOUS CONCRETE	
AGGREGATE PRIME COAT	
BITUMINOUS MATERIAL (PRIME	COA

1.8 T / CU YD 0.0560 T / SQ YD * INCH 0.001 T / SQ YD 0.05 GAL / SQ YD

F.A.S. SECTION COUNTY TOTAL SHEET SHEETS NO. 1816 06-00099-09-RS WHITE 4 2 FED. ROAD BIST. NO. 5 ILLINOIS NORRIS CITY RESERVOIR

LEC JOB # H05IL013WH

AGGREGATE SHOULDER DETAIL



323 W. 3RD ST P.O. BOX 160 MT. CARMEL, IL 62863 PHONE: (618)–262–8651

PHONE: (618)-262-8651 FAX: (618)-263-3327 405 W. STATE ST. SUITE1 PRINCETON, IN 47670

47670 PHONE: (812)--386--7611 FAX: (812)-385--2812



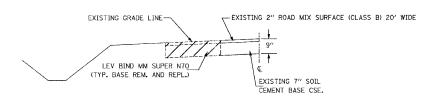
PROFESSIONAL DESIGN FIRM LAND SURVEY & PROFESSIONAL ENGINEERING CORPORATION

184-000887 (62-032435)(35-00276



AARON M. MEFFOR
NAME
FILE
SIGNATURE
S-9-07
DATE
11-30-07
EXPIRES

DETAIL OF PAVEMENT REMOVAL AND REPLACEMENT SPECIAL



NOTE: IN THE TYPICAL DETAIL ABOVE THE DISTANCE FROM THE CENTERLINE LEFT OR RIGHT AND THE WIDTH OF PAVEMENT REMOVAL AND REPLACEMENT VARIES. SEE SCHEDULE OF PAVEMENT REMOVAL AND REPLACEMENT SPECIAL FOR PROPOSED LOCATIONS

TYPICAL CROSS SECTION

TYPICAL CROSS SECTION

EXISTINGSTA. 65+52 TO STA. 132+56

---- 23'-0" ---

SLOPE 2:1

DEPTH

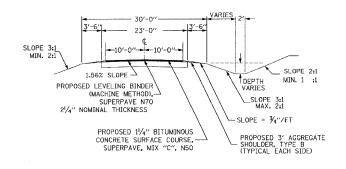
_SLOPE 3:1 MIN. 2:1

CROWN 3/c "/FT.

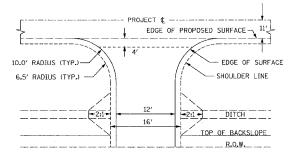
2" BITUMINOUS SURFACE PLANT MIX (CLASS B)

<u>PROPOSED</u>

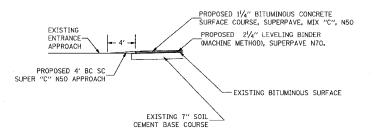
STA. 65+52 TO STA. 132+56



DETAIL OF PRIVATE AND FIELD ENTRANCES

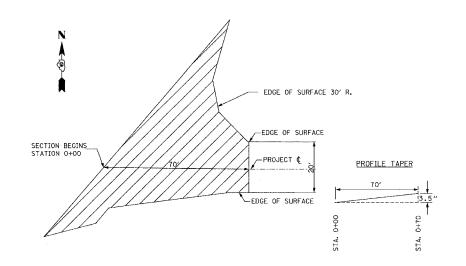


NOTE: THE 4' AREA FROM THE EDGE OF SURFACE, AS SHOWN ABOVE, SHALL BE BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "C". NSO FOR THE PRIVATE ENTRANCES AND THE FIELD ENTRANCES. THIS QUANTITY IS INCLUDED IN THE QUANTITY FOR BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "C". NSO.



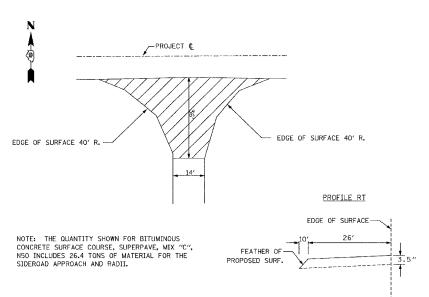
PRIVATE & FIELD ENTRANCE APPROACH DETAIL

DETAIL OF TAPER STA. 0+00 TO STA 0+70

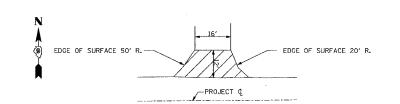


NOTE: THE QUANTITY SHOWN FOR BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "C", N50 INCLUDES 67.7 TONS OF MATERIAL FOR THE TAPER FROM STATION 0+00 TO STATION 0+70.

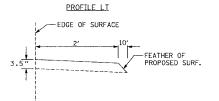
DETAIL OF INTERSECTION RT. STA. 65+76



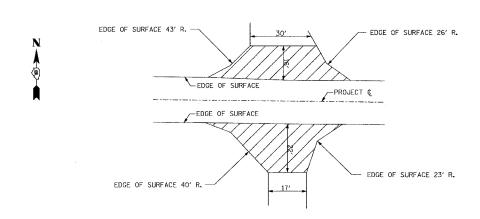
DETAIL OF INTERSECTION LT. STA. 78+97



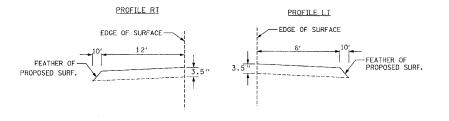
NOTE: THE QUANTITY SHOWN FOR BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "C", NSO INCLUDES 6.4 TONS OF MATERIAL FOR THE SIDEROAD APPROACH AND RADII.



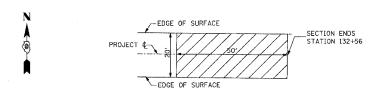
DETAIL OF INTERSECTION RT. & LT. STA. 92+19



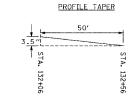
NOTE: THE QUANTITY SHOWN FOR BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "C", N50 INCLUDES 14.9 TONS OF MATERIAL FOR THE SIDEROAD LT APPROACH AND RADII AND 16.3 TONS OF MATERIAL FOR THE SIDEROAD RT. APPROACH AND RADII.



DETAIL OF TAPER STA. 132+06 TO STA 132+56



NOTE: THE QUANTITY SHOWN FOR BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "C". N50 INCLUDES 10.9 TONS OF MATERIAL FOR THE TAPER FROM STATION 132+06 TO STATION 132+56.



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PROFESSIONAL DESIGN FIRM LAND SURVEY & PROFESSIONAL ENGINEERING CORPORATION 184-000887 (62-032435)(35-002769)

5 6 2 8 4 PROFESSIONAL TO FORM THE PROFESSIONAL TO FORM THE PROFESSIONAL TO FORM THE PROFESSIONAL THE PROFES

AARON M. MEFFORE
MAME

MAME

FROM MATTER

SIGNATURE

5-09-07

DATE

11-30-07

EXPIRES

SCHEDULE OF PAVEMENT MARKINGS

STATION	<u>T0</u>	STATION	05NT501 TU5	LOCATION	LENGTH - FOOT
0+00		132+56	CENTERLINE	, ¢	1415
			EDGELINE		
0+00		65+55		RT.	6555
65+93		91+95		RT. RT.	2602
92+34		132+56		кі.	4022
			EDGELINE		
0+00		78+85		LT.	7885
79+07 92+33		92+00 132+56		LT. LT.	1293 4023
32+33		132136		L. 19	1023
			NO PASSING		
0+00		21+82		RT.	2182
15+65		36+59		LT.	2094
37+09 52+59		122+40 132+56		RT. LT.	8531 7997
34133		132730		L1.	TOTAL 48,599

THE ABOVE QUANTITY IS SHOW IN THE PAVEMENT MARKING-LINE $4^{\prime\prime}$ IN THE SUMMARY OF QUANTITIES.

SCHEDULE OF PAV'T REMOVAL AND REPLACEMENT SPECIAL

STATION	<u>T0</u>	STATION	LOCATION	WIDTH (FEET)	SQ. YD.	TON
18+46		18+80	RT. EDGE	10.0	37.8	19.0
18+68		18+96	LT. EDGE	2.5	7.8	3,9
192+10		193+10	RT. EDGE	5.0	55.6	28.0
192+10		193+10	LT. EDGE	5.0	55.6	28.0
				TOTAL	S 156.7	78.9

THE SCHEDULE ABOVE REFLECTS APPROXIMATE LOCATION AND ESTIMATED QUANTITIES. THE ACTUAL AREAS SHALL BE LOCATED AND MARKED BY THE ENGINEER PRIOR TO CONSTRUCTION. THE ABOVE QUANTITY IS INCLUDED IN PAYEMENT REMOVAL AND REPLACEMENT SPECIAL IN THE SUMMARY OF QUANTITIES.

SCHEDULE OF MAILBOX TURNOUTS

STATION	LOCATION	EST. QUANTITY ALLOWED TONS
12+32	LT.	7.0
28+99	LT.	3.9
37+41	LT.	4.7
57+81	RT.	2.8
60+22	LT.	8.0
63+30	RT.	3.4
79+14	LT.	2.4
87+06 & 87+08	LT.	4.9
101+32	LT.	4.6
115+06	ŁT.	4.5
128+65	LT.	5.2
		51.4

TON		WIDTH	LENGTH	SIDE	STATION
20.0 T		20′	15′	RT.	77+76
9.3 T		10′	14'	LT.	77+76
20 3 T	TOTAL				

TION	LOCATION	EST. QUANTITY ALLOWED TONS		HEDULE OF
+32 +99 +41	LT. LT. LT.	7.0 3.9 4.7	STATION	LOCATION
'+81 +22 +30 9+14 & 87+08 +32 +06 +65	RT. LT. RT. LT. LT. LT. LT.	2.8 8.0 3.4 2.4 4.9 4.6 4.5 5.2 51.4	0+31 1+71 8+89 9+86 12+47 12+90 13+33 13+52	RT RT RT LT RT RT LT LT
CONCRETE SUF	MANTITY IS INCLUDED FACE COURSE, SUPER RY OF QUANTITIES.	IN THE BITUMINOUS PAVE, MIX "C", N50	21+00 21+24 29+19 31+79 37+36	RT LT LT LT RT

STONE DUMPED RIPRAP, CLASS A4

STATION	SIDE	LENGTH	WIDTH		10	N
77+76	RT.	15′	20′		20.0	T
77+76	LT.	14'	10′		9.3	T
				TOTAL	29.3	т

SCHEDULE OF PRIVATE AND FIELD ENTRANCES			SCHEDULE OF PRIVATE AND FIELD ENTRANCES		
STATION	LOCATION	BC SC SUPER "C" N50	STATION	LOCATION	BC SC SUPER "C" N50
		(IN TONS)			(IN TONS)
0+31	RT	5.1	60+78	LT	3.0
1+71	RT	2.4	62+42	LT	1.1
8+89	RT	3.0	63+13	RT	2.3
9+86	LT	2.8	64+54	LT	1.9
12+47	RT	2.1	68+52	LT	2,3
12+90	RT	2.7	71+01	RT	2.7
13+33	LT	2.0	71+03	LT	2.2
13+52	RT	1.7	79+16	RT	1.4
14+76	LT	1.3	79+31	LT	1.7
21+00	RT	2.3	86+98	RT	2.3
21+24	LT	2.2	87+32	LT	2.5
29+19	LT	2.4	95+20	RT	1.8
31+79	LT	1.4	101+53	LT	3.7
37+36	RT	1.5	102+27	RT	1.5
37+59	LT	4.1	109+92	RT	1.7
39+26	RT	2.8	111+52	LT	3.3
40+83	RT	1.4	113+75	RT	2.0
41+33	RT	2.2	115+26	RT	3,7
42+49	RT	1.9	122+28	LT	1.6
43+21	LT	2.0	122+46	RT	5.7
48+77	RT	3.0	128+43	LT	2.2
52+52	LT	2.4	128+54	RT	5.0
53+33	RT	1.7	131+88	LT	2.2
57+69	RT	2.0			TOTAL 114.2

THE ABOVE QUANTITY IS INCLUDED IN THE BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "C", N50 IN THE SUMMARY OF QUANTITIES.

PROFESSIONAL DESIGN FIRM LAND SURVEY & PROFESSIONAL ENGINEERING CORPORATION 184-000887 (62-032435)(35-002769

M. MEANING 56284 REGISTERED PROFESSIONAL ENGINEER OF

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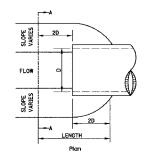
F.A.S. SECTION COUNTY TOTAL SHEETS NO.

1816 06-00099-00-RS WHITE 4 4 FED. ROAD DIST. NO. 9 ILLINOIS NORRIS CITY RESERVOIR

LEC JOB # HOSILO13WH

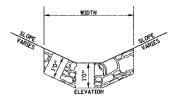
AARON M. MEFFORD
HAME
ALLOW MEFFORD
SIGNATURE
5-09-07
DATE 11--30--07 EXPIRES

STONE DUMPED RIPRAP DETAIL





NOTE: FOR PLACEMENT, QUALITY GRADATION AND OTHER MISCELLANEOUS REQUIREMENTS FOR STONE RIPRAP DITCH-SEE SPECIAL PROVISIONS.



SCHEDULE OF AGGREGATE SHOULDER STONE IN TANGENT

STATION	TO	STATION	LOCATION	ALLOWED TONS
0+00		131+36	LT.	670.3
0+00		131+36	RT	906.8
			TO	TAL 1577.1

THE ABOVE QUANTITY IS FOR THE ENTIRE SECTION AND IS INCLUDED IN THE QUANTITY FOR AGGREGATE SHOULDERS, TYPE B IN THE SUMMARY OF QUANTITIES.