INDEX OF SHEETS

SHEET NO.

DESCRIPTION

TYPICAL SECTIONS, SUMMARY OF QUANTITIES, GENERAL NOTES, MISCELLANEOUS DETAILS

DETAILS OF INTERSECTIONS, AND SIDEROADS

SCHEDNIES

STATE OF ILLINOIS

DEPARTMENT OF TRANSPORTATION

DIVISION OF HIGHWAYS

PLANS FOR PROPOSED

FEDERAL-AID SECONDARY PROJECT

F.A.S. 813 (CH 1) SECTION 02-00057-00-RS EDWARDS COUNTY

PROJECT RS-813(109) JOB NO. C-97-016-06

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

STANDARD SYMBOLS, ABBREVIATIONS & PATTERNS

OFF-RD OPERATIONS, 2-L, 2-W, 4.5 m (15') TO PAVEMENT EDGE

MAILBOX TURNOUT 701006-02 FOR SPEEDS \geq 45 MPH

701301-02

LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS

701306 - 01

DAY ONLY FOR SPEEDS > 45 MPH SURE, 2L, 2W, MOVING DAY OPERATIONS

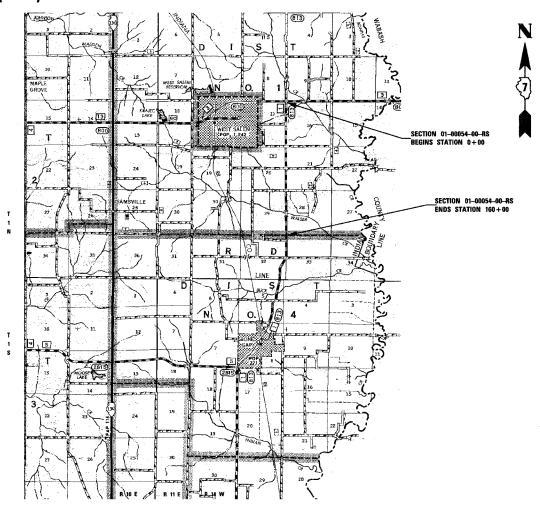
LANE CLOSURE 2L, 2W, WORK AREAS IN SERIES FOR SPEEDS > 45 MPH

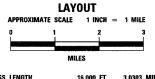
702001--05

TRAFFIC CONTROL DEVICES

780001_01 781801_02 TYPICAL PAVEMENT MARKINGS

TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS



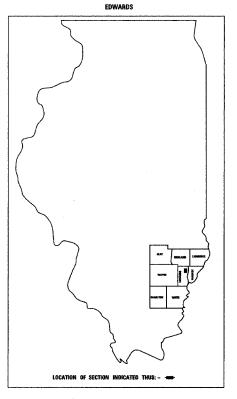


NET LENGTH

16.000 FT 3.0303 MILES

SECTION 813 02-00057-00-RS EDWARDS 4 FED. BOAD DIST. NO. 7 ILLINOIS BONEGAP ROAD (NORTH) LEC JOB # H04IL019E

CONTRACT NO. 95447



PHONE: (618)--262--8651 FAX: (618)--263--3327 405 W. STATE ST. SUITE1 PRINCETON, IN 47670 PHONE: (812)--386--7611 FAX: (812)--385--2812





10-27-05

10-27-05 DATE DATE 11-30-05 EXPIRES

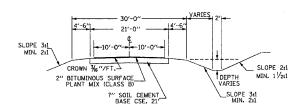
STATE OF ILLINOIS

CONTRACT NO. 95447 DESIGN CLASS - MAJOR COLLECTOR CURRENT A.D.T. = 500

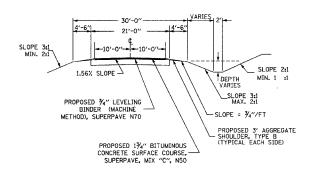
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION

1-800-892-0123

TYPICAL CROSS SECTION **EXISTING**



TYPICAL CROSS SECTION **PROPOSED**



GENERAL NOTES:

THIS SECTION CONSISTS OF PAVEMENT REMOVAL AND REPLACEMENT SPECIAL, LEVELING BINDER (MACHINE METHOD), SUPERPAVE NTO. AND BITUMINOUS CONCRETE SUPFACE COURSE, SUPERPAVE, MIX "C", N50, 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 26-G AND 26-G 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	-4.00
INIMUM STOPPING SIGHT DISTANCE	525 FT
ESIGN SPEED	50 MPH
URRENT ADT	500 VF
ESIGN ADT (20 YEAR)	600 VP

THE BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "C", N50 SHALL BE PLACED IN ONE LIFT WITH A MINIMUM THICKNESS OF $1\frac{3}{2}$ ".

THE QUANTITY SHOWN IN THE SUMMARY OF QUANTITIES FOR BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "C", N50 ALLOWS 108.9 TON FOR THE INTERSECTIONS, SIDEROADS, AND END TAPERS; 73.8 TON FOR THE ENTRANCES; 10.8 TON FOR THE MALLBOX TURNOUTS, AND 3461.9 TON FOR THE 13/" BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "C", N50.

THE QUANTITY SHOWN IN THE SUMMARY OF QUANTITIES FOR LEVELING BINDER (MACHINE METHOD), SUPERPAVE N70 ALLOWS 558 TON FOR CROWN CORRECTION AND 1484 TON FOR THE 34" LEVELING BINDER (MACHINE METHOD), SUPERPAVE NTO.

A BITUMINOUS TAPER OF 0" TO 2l/2" SHALL BE CONSTRUCTED FROM STATION 0+00 TO STATION 0+50 AND 2l/2" TO 0" FROM STATION 159+50 TO STATION 160+00.

THE FOLLOWING RATES HAVE BEEN USED TO CALCULATE PLAN QUANTITIES:

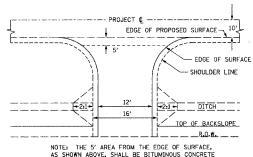
AGGREGATE SHOULDERS TY. B	1.8 T / CU YD
BITUMINOUS CONCRETE	0.0560 T / SQ YD * 1
AGGREGATE PRIME COAT	0.001 T / SQ YD
BITUMINOUS MATERIAL (PRIME COAT)	0.05 GAL / SQ YD

SUMMARY OF QUANTITIES

QUANTITY	UNIT	IIEM	TOOO CODE NUMBER
1600.00	F00T	SHORT-TERM PAVEMENT MARKING REMOVAL	XX003140
75.00	TON	PAVEMENT REMOVAL AND REPLACEMENT (SPECIAL)	XX127400
3655.00	TON	BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "C", N50	X4066414
2042.00	TON	LEVELING BINDER (MACHINE METHOD), SUPERPAVE N70	X4066770
2142.00	GALLON	BITUMINOUS MATERIALS (PRIME COAT)	40600100
43.00	TON	AGGREGATE (PRIME COAT)	40600300
1153.00	TON	AGGREGATE SHOULDERS, TYPE B	48101200
1.00	L. SUM	MOBILIZATION	67100100
1.00	L SUM	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	70100460
1.00	L SUM	TRAFFIC CONTROL AND PROTECTION, STANDARD 701336	70100600
3200.00	F00T	SHORT-TERM PAVEMENT MARKING	70300100
37682.00	FOOT	PAINT PAVEMENT MARKING-LINE 4"	78001110 🛆
200.00	EACH	RAISED REFLECTIVE PAVEMENT MARKER	78100100 A

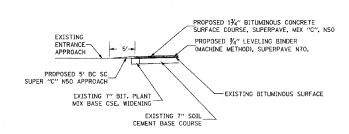
A SPECIALTY ITEMS

DETAIL OF PRIVATE AND FIELD ENTRANCES

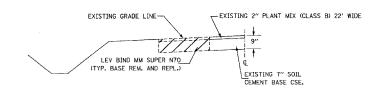


NOTE: THE 5' AREA FROM THE EDGE OF SURFACE, AS SHOWN ABOVE, SHALL BE BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "C", NSO FOR THE PRIVATE EMTRANCES AND THE FIELD EMTRANCES. THIS QUANTITY IS INCLUDED IN THE QUANTITY FOR BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "C", NSO.

PRIVATE & FIELD ENTRANCE APPROACH DETAIL

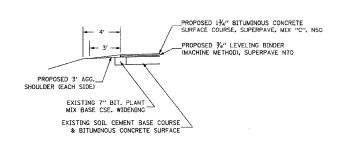


DETAIL OF PAVEMENT REMOVAL AND REPLACEMENT SPECIAL



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.

AGGREGATE SHOULDER DETAIL



UTILITIES

J.U.L.I.E. 800-892-0123

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

813 02-00057-00-RS EDWARDS 4 2

FED. ROAD BIST. NO. 7 ILLINOIS BONEGAP ROAD (NORT)

LEC JOB # HO41L019ED

CONTRACT NO. 95447

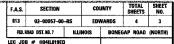
405 W. STATE ST SUITE1 PRINCETON, IN 47670 PHONE: (812)-386-7611 FAX: (812)-385-2812

LAND SURVEY & PROFESSIONAL ENGINEERING CORPORATION

184-000887 (62-032435)(35₇90276) PEGISTERED OF DESCRIPTION OF DESCRIP NO THE

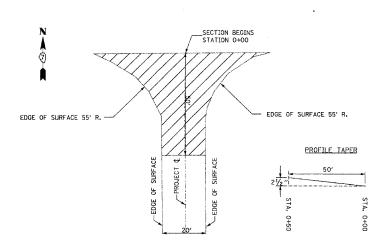
MCHAELLG, CL DUSTIN K. BUNIING NAME MILL I I SU SIGNATURE 16-27-05 DATE

11-30-05 EXPIRES

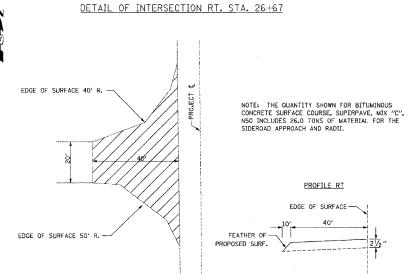


CONTRACT NO. 95447

DETAIL OF TAPER STA. 0+00 TO STA 0+50



NOTE: THE QUANTITY SHOWN FOR BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "C", N50 INCLUDES 23.4 TONS OF MATERIAL FOR THE TAPER FROM STATION 0+0 TO STATION 0+50.





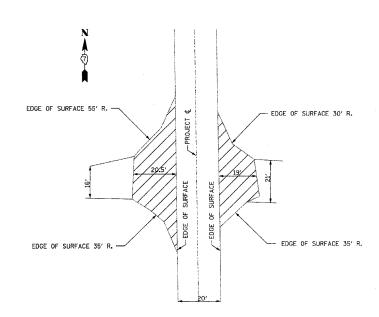
405 W. STATE ST. SUITE1 PRINCETON, IN 47670

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

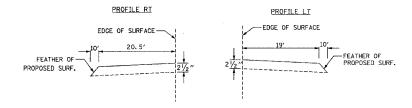


PROFESSIONAL DESIGN FIRM LAND SURVEY & PROFESSIONAL ENGINEERING CORPORATION 184-000887 (62-032435)(35-60276

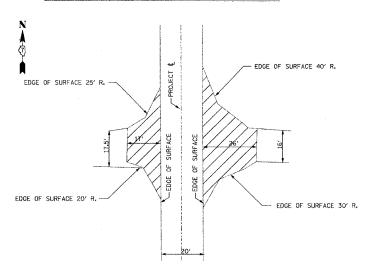
DETAIL OF INTERSECTION RT. & LT. STA. 53+43



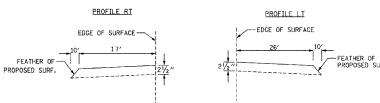
NOTE: THE QUANTITY SHOWN FOR BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "C". N50 INCLUDES 9.4 TONS OF MATERIAL FOR THE SIDEROAD LT APPROACH AND RADII AND 13.8 TONS OF MATERIAL FOR THE SIDEROAD RT. APPROACH AND RADII.



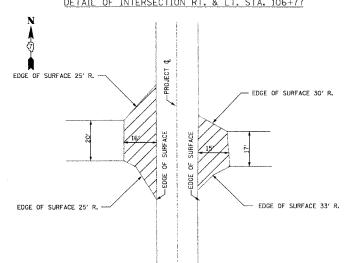
DETAIL OF INTERSECTION RT. & LT. STA. 80+00



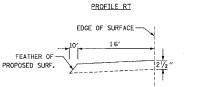
NOTE: THE QUANTITY SHOWN FOR BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "C", N50 INCLUDES 13.8 TONS OF MATERIAL FOR THE SIDEROAD LT APPROACH AND RADII AND 7.6 TONS OF MATERIAL FOR THE SIDEROAD RT. APPROACH AND RADII.

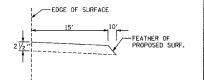


DETAIL OF INTERSECTION RT. & LT. STA. 106+77



NOTE: THE QUANTITY SHOWN FOR BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "C", N5O INCLUDES 6.0 TONS OF MATERIAL FOR THE SIDEROAD LT APPROACH AND RADII AND 8.9 TONS OF MATERIAL FOR THE SIDEROAD RT. APPROACH AND RADII.





PROFILE LT

16-27-05 DATE 11-30-05 EXPIRES

SSA35 PROFESSIONAL PROFESSIONAL

SCHEDULE OF PAVEMENT MARKINGS

STATION	<u>T0</u>	STATION	CENTERLINE	LOCATION	LENGTH - FOOT
0+00		160+00	CENTERLINE	¢	4000
			EDGELINE		
			LOGILLIVE		
0+00		26+47		RT.	2647
26+87		53+15		RT.	2628
53+55		79+83		RT.	2628
80+10		106+55		RT.	2645
106+90		160+00		RT.	5310
			EDGELINE		
0+00		53+20		LT.	5320
53+51		79+85		LT.	2634
80+12		106+63		LT.	2651
106+90		160+00		LT.	5310
			NO PASSING		
			NA LESSINO		
30+98		36+44		RT.	546
37+ 9 4		43+24		LT.	530
57+99		62+02		RT.	: 403
64+90		69+20		LT.	430 TOTAL 37,682

THE ABOVE QUANTITY IS SHOW IN THE PAVEMENT MARKING-LINE 4" IN THE SUMMARY OF QUANTITIES.

SCHEDULE OF PAV'T REMOVAL AND REPLACEMENT SPECIAL

STATION	<u>10</u> ·	STATION	LOCATION	WIDTH (FEET)	SQ. YD.	<u>TON</u>
0+00		0+50	RT. EDGE	VARIES	32.0	16.1
0+00		0+50	LT. EDGE	VARIES	40.0	20.2
88+36		88+92	RT. EDGE	4.0	24.9	12.5
144+93		146+50	RT. EDGE	3.0	52.3	26.4
				TOTA	LS 149.2	75.2

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
26+80	LT.	2.5
37+60	LT.	1.7
122+80	LT.	2.8
159+53	LT.	3.8
		10.8

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

F.A.S.	s. Section		COUNTY		TOTAL SHEETS	SHEET NO.
813	02-00657-00-R\$		EDV	VARDS	4	4
F£0.1	SAD DIST, NO. 7	ш	NOIS	BONE	SAP ROAD	(NORTH)

CONTRACT NO. 95447

SCHEDULE OF PRIVATE AND FIELD ENTRANCES

STATION	LOCATION	BC SC SUPER "C" N50
		(IN TONS)
13+17	RT.	2.4
13+17	LT.	2.9
18+66	LT.	2.6
18+71	RT.	2,2
19+95	LT.	3.5
23+26	LT.	2.8
26+59	LT.	1.8
33+40	LT.	2.5
37+20	LT.	2.1
37+77	ŁT.	1.5
42+25	RT.	1.7
45+50	RT.	2.1
45+56	LT.	2.0
50+72	LT.	1.8
50+74	RT.	1.8
60+16	LT.	2.0
67+04	RT.	2.3
67+09	LT.	1.1
67+55	LT.	2.1
73+50	LT.	2.4
93+55	RT.	3.3
122+53	LT.	2.3
123+29	LT.	1.5
126+84	RT.	2.1
127+53	LT.	2.7
133+20	LT.	3.9
136+84	RT.	2.4
146+31	RT.	1.9
146+47	LT.	2.1
150+33	LT.	2.0
157+73	RT.	2.5
159+62	RT.	1.9
159+72	LT.	1.6
		TOTAL 73.8

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

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

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

PROFESSIONAL DESIGN FIRM LAND SURVEY & PROFESSIONAL DESIGN FIRM CORPORATION 184-00884 (62-08245) (6

MILITARY CONTROL OF THE PROPERTY OF THE PROPER

SCHEDULE OF AGGREGATE SHOULDER STONE IN TANGENT

STATION	<u>10</u>	STATION	LOCATION	ALLOWED TONS EST. QUANTITY
0+00		160+00	LT.	528.3
0+00		160+00	RT	624.3
			TO	TAL 1152.6

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