CONTRACT NO. 97247

SUMMARY OF QUANTITIES

	CODE NUMBER	ITEM	UNIT	I000 QUANTITY
	20200100	Earth Excavation	Cu. Yd.	2
	21400100	Grading and Shaping Ditches	Foot	1,020
	40200800	Aggregate Surface Course, Type B	Ton	19
	40600100	Bituminous Materials (Prime Coat)	Gallon	2,575
	40600300	Aggregate (Prime Coat)	Ton	52
	42001200	Pavement Fabric	Sq. Yd.	397
	44000006	Bituminous Surface Removal, 1 1/2"	Sq. Yd.	25,745
	44000400	Gutter Removal	Foot	12
	44201076	Class B Patches, Type II	Sq. Yd.	470
	44201078	Class B Patches, Type III	Sq. Yd.	108
	44201080	Class B Patches, Type IV	Sq. Yd.	289
	44201974	Class D Patches, Type I	Sq. Yd.	3
	44201978	Class D Patches, Type III	Sq. Yd.	25
	44213200	Saw Cuts	Foot	2,702
	44300200	Strip Reflective Crack Control Treatment	Foot	15,001
	48202000	Bituminous Shoulders Superpave	Ton	422
	55039700	Storm Sewers To Be Cleaned	Foot	204
	60260100	Inlets To Be Adjusted	Each	1
	60602200	Concrete Gutter	Foot	12
	60605000	Combination Concrete Curb and Gutter Type B-6.24	Foot	18
	70101700	Traffic Control and Protection	L. Sum	1
	70300100	Short Term Pavement Marking	Foot	1,050
	70301000	Work Zone Pavement Marking Removal	Sq. Ft.	347
	72000100	Sign Panel-Type I	Sq. Ft.	16.5
	72400900	Remove Sign Panel	Each	2
*	78000100	Thermoplastic Pavement Marking-Letters and Symbols	Sq. Ft.	149
*	78000200	Thermoplastic Pavement Marking-Line 4"	Foot	12,971
*	78000500	Thermoplastic Pavement Marking-Line 8"	Foot	133
*	78000600	Thermoplastic Pavement Marking-Line 12"	Foot	774
*	78000650	Thermoplastic Pavement Marking-Line 24"	Foot	476
*	78100100	Raised Reflective Pavement Markers	Each	52
	78300200	Raised Reflective Pavement Marker Removal	Each	18
	78300405	Thermoplastic Pavement Marking Removal	Foot	167
*	80300100	Locating Underground Cable	Foot	50
*	80500100	Service Installation Type A	Each	1
*	81012300	Conduit in Trench 1" Diameter, PVC	Foot	15
*	81012500	Conduit in Trench 1 1/2" Diameter, PVC	Foot	283
*	81013100	Conduit in Trench 5" Diameter, PVC	Foot	20
*	81018400	Conduit Pushed, 1 1/2" Diameter, Galvanized Steel	Foot	80
*	81018600	Conduit Pushed, 2 1/2" Diameter, Galvanized Steel	Foot	67
*	81400400	Concrete Handhole	Each	3
*	81400600	Concrete Double Handhole	Each	1
*	81500200	Trench and Backfill for Electrical Work	Foot	318
*	85700200	Full-Actuated Controller and Type IV Cabinet	Each	1
*	87301215	Electric Cable in Conduit, Signal No. 14 2C	Foot	190
*	87301225	Electric Cable in Conduit, Signal No. 14 3C	Foot	204
*	87301245	Electric Cable in Condui , Signal No. 14 5C	Foot	328
*	87301255	Electric Cable in Conduit, Signal No. 14 7C	Foot	972
*	87301805	Electric Cable in Conduit, Service No. 6 2C	Foot	21
*	87800200	Concrete Foundation, Type D	Foot	3
*	88500100	Inductive Loop Detector	Each	10
*	88600100	Detector Loop, Type I	Foot	2,570
*	89500400	Relocate Existing Pedestrian Push-Button	Each	1
*	89502380	Remove Existing Handhole	Each	1
*	8[illegible]502385	Remove Existing Concrete Foundation	Each	1
*	XX004033	Clean Existing Culverts	Each	7
*	X0323336	LED Signal Face Retrofit, Red Ball	Each	21
*	X0323337	LED Signal Face Retrofit, Green Ball	Each	21
*	X0323418	LED Signal Face Retrofit, Yellow Ball	Each	21
*	X0323419	LED Signal Face Retrofit, Yellow Arrow	Each	9
*	X0323420	LED Signal Face Retrofit, Green Arrow	Each	13
*	X0323421	LED Signal Face Retrofit, Walk Signal	Each	8
*	X0323422	LED Signal Face Retrofit, Don't Walk Signal	Each	8
	X4066428	Bituminous Concrete Surface Course, Superpave, Mix "D", N90	Ton	2,006
*	X8801300	Signal Head, Polycarbonate, LED, 1-Face, 3-Section Bracket Mounted	Each	6
*	X8801345	Signal Head, Polycarbonate, LED, 1-Face, 4-Section Bracket Mounted	Each	4
*	X8801395	Signal Head, Polycarbonate, LED, 1-Face, 5-Section Bracket Mounted	Each	4
*	X8810495	Pedestrian Signal Head, Polycarbonate, LED, 2-Face, Bracket Mounted	Each	2
*	X8950105	Remove Existing Traffic Controller and Cabinet	Each	1
*	X8950305	Remove Existing Signal Head	Each	14
*	X8950400	Remove Existing Service Installation, Type A	Each	1
	Z0010615	Cleaning Existing Inlets	Each	3
	Z0017100	Dowel Bars	Each	1,374
*	XX006163	Remove Electric Cable from Conduit (Special)	L. Sum	1

*Specialty Items
Revised 4-22-05

EARTHWORK SCHEDULE

LOCATION	EARTH EXCAVATION (CUBIC YARDS)	EARTH EXCAVATION ADJUSTED 25% SHRINKAGE (CUBIC YARDS)	EMBANKMENT (CUBIC YARDS)	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (–) (CUBIC YARDS)
STA. 57+78 RT. TO STA. 57+89 RT.	2	1.5	0	1.5

GENERAL NOTES

1. THIS IMPROVEMENT SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE I.D.O.T. "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" ADOPTED JANUARY 1, 2002 AND THE SPECIAL PROVISIONS FOR THIS PROJECT.

2. INFORMATION ON THE PLANS REGARDING UTILITIES IS TAKEN FROM THE BEST AVAILABLE RECORDS, BUT IS NOT REPRESENTED AS BEING CORRECT OR COMPLETE. THE CONTRACTOR SHALL NOTIFY J.U.L.I.E. IN ADVANCE OF CROSSING OVER OR UNDER UTILITIES.

3. THE CONTRACTOR SHALL USE ALL DUE PRECAUTION NOT TO DAMAGE OR DISTURB UTILITIES. THE ENTIRE COST OF MAKING REPAIRS TO, OR REPLACEMENT OF, ANY DAMAGED LINE WILL BE THE FULL RESPONSIBILITY OF THE CONTRACTOR.

4. THE CONTRACTOR, AT HIS EXPENSE, SHALL DISPOSE OF ALL EXCESS MATERIALS FROM EXCAVATION AND REMOVAL ITEMS IN ACCORDANCE WITH SECTION 202.03 OF THE STANDARD SPECIFICATIONS.

5. BITUMINOUS SURFACE AND BITUMINOUS SHOULDER QUANTITIES HAVE BEEN CALCULATED USING A RATE OF 125 LB/SY-IN.

PAVEMENT PATCHING SCHEDULE

Begin Sta. Lt./Rt.	Patch Class	Patch Type	Length (Ft.)	Width (Ft.)	Total (Sq. Yd.)	Saw Cuts (Ft.)	Dowel Bars (Ea.)	Pav't Fabric (Sq. Yd.)
16+32 Lt.	B	II	6	11.5	7.7	35	18	0
16+32 Rt.	B	II	6	11.5	7.7	29	18	0
16+80 Lt.	B	II	6	11.5	7.7	35	18	0
16+80 Rt.	B	II	6	11.5	7.7	29	18	0
17+30 Lt.	B	II	6	11.5	7.7	35	18	0
17+30 Rt.	B	II	6	11.5	7.7	29	18	0
18+30 Lt.	B	II	6	11.5	7.7	35	18	0
18+30 Rt.	B	II	6	11.5	7.7	29	18	0
22+89 Lt.	B	II	6	11.5	7.7	35	18	0
22+89 Rt.	B	II	6	11.5	7.7	29	18	0
23+74 Rt.	D	I	6	4	2.7	14	0	0
24+45 Lt.	B	IV	22	11.5	28.1	67	18	28.1
24+45 Rt.	B	IV	22	11.5	28.1	45	18	28.1
26+86 Lt.	B	II	6	11.5	7.7	35	18	0
26+86 Rt.	B	II	6	11.5	7.7	29	18	0
28+22 Lt.	B	II	11	11.5	14.1	45	18	0
28+28 Rt.	B	II	11	11.5	14.1	40	18	0
29+88 Lt.	B	II	8	11.5	10.2	39	18	0
29+88 Rt.	B	II	8	11.5	10.2	31	18	0
30+19 Lt.	B	II	6	11.5	7.7	35	18	0
30+19 Rt.	B	II	6	11.5	7.7	29	18	0
30+71 Lt.	B	II	6	11.5	7.7	35	18	0
30+71 Rt.	B	II	6	11.5	7.7	29	18	0
31+71 Lt.	B	II	6	11.5	7.7	35	18	0
31+71 Rt.	B	II	6	11.5	7.7	29	18	0
33+06 Lt.	B	II	6	11.5	7.7	35	18	0
33+06 Rt.	B	II	6	11.5	7.7	29	18	0
34+63 Lt.	B	II	6	11.5	7.7	35	18	0
34+63 Rt.	B	II	6	11.5	7.7	29	18	0
36+20 Lt.	B	III	14	11.5	17.9	51	18	17.9
36+20 Rt.	B	III	14	11.5	17.9	37	18	17.9
40+92 Lt.	B	II	6	11.5	7.7	35	18	0
40+92 Rt.	B	II	6	11.5	7.7	29	18	0
41+54 Lt.	B	IV	25	11.5	31.9	73	18	31.9
41+54 Rt.	B	IV	25	11.5	31.9	48	18	31.9
48+32 Lt.	B	IV	26	11.5	33.2	75	18	33.2
48+32 Rt.	B	IV	26	21.5	62.1	69	18	62.1
48+97 Lt.	B	IV	20	11.5	25.6	63	18	25.6
48+97 Rt.	B	IV	20	21.5	47.8	43	18	47.8
49+58 Rt.	B	II	12	8	10.7	40	18	0
49+76 Lt	B	II	6	15	10.0	42	28	0
49+76 Rt.	B	II	6	10	6.7	26	16	0
49+92 Lt.	B	II	6	15	10.0	42	28	0
49+92 Rt.	B	II	6	21	14.0	42	38	0
50+59 Lt.	B	II	6	16	10.7	44	30	0
50+59 Rt.	B	II	6	21	14.0	48	38	0
52+17 Lt.	B	II	8	8	7.1	32	12	0
52+52 Lt.	B	III	8	18	16.0	52	32	16.0
52+52 Rt.	B	III	8	20	17.8	48	36	17.8
54+17 Lt.	B	II	6	19	12.7	50	34	0
54+17 Rt.	B	II	6	19	12.7	44	34	0
54+62 Lt.	B	II	6	19	12.7	50	34	0
54+62 Rt.	B	II	6	18	12.0	42	32	0
54+94 Lt.	B	II	6	16	10.7	44	28	0
55+59 Rt.	D	III	73	3	24.3	79	0	0
59+22 Lt.	B	II	6	11.5	7.7	35	18	0
59+22 Rt.	B	II	6	11.5	7.7	23	18	0
60+10 Lt.	B	II	6	11.5	7.7	35	18	0
60+10 Rt.	B	II	6	11.5	7.7	29	18	0
60+60 Lt.	B	III	15	11.5	19.2	53	18	19.2
60+60 Rt.	B	III	15	11.5	19.2	38	18	19.2
61+59 Lt.	B	II	6	11.5	7.7	35	18	0
61+59 Rt.	B	II	6	11.5	7.7	29	18	0
63+23 Lt.	B	II	6	11.5	7.7	35	18	0
63+23 Rt.	B	II	6	11.5	7.7	29	18	0
63+87 Lt.	B	II	6	11.5	7.7	35	18	0
63+87 Rt.	B	II	6	11.5	7.7	29	18	0
64+55 Lt.	B	II	6	11.5	7.7	35	18	0
64+55 Rt.	B	II	6	11.5	7.7	29	18	0
TOTALS				CLASS B PATCHES	866.5 SQ. YD.			
				CLASS D PATCHES	27.0 SQ. YD.	2,702 FOOT	1,374 EACH	396.7 SQ. YD.

BITUMINOUS MIX REQUREMENTS - SUPERPAVE

ROUTE	FAU 8980
SECTION	02--00043-00-RS
COUNTY	MADISON
CONTRACT	97247

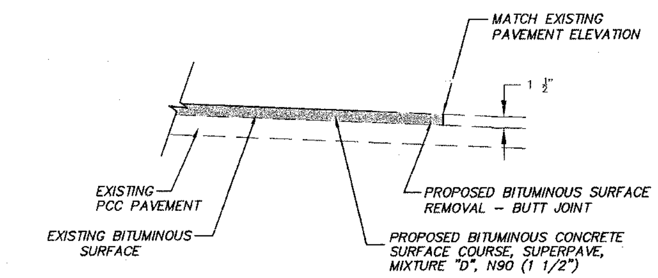
DESCRIPTION: EDWARDSVILLE ROAD STA. 12+23.01 TO STA. 69+38.39

ADT (CONSTRUCTION YEAR)	14,100
MU %	1.0
SU %	1.3
20 YR. ESALS	6.04

MIXTURE USE	SURFACE COURSE	SHOULDERS
AC/PG	PG 64-22	PG 64-22
RAP % MAX	10%	10%
DESIGN AIR VOIDS	4% @ Ndes = 90	4% @ Ndes = 90
MIX COMPOSITION (GRADATION MIXTURE)		
FRICTION AGG	MIXTURE D	MIXTURE D

PAVEMENT MARKING SCHEDULE

ITEM	QUANTITY	UNIT
THERMOPLASTIC PAVEMENT MARKING-LINE 4" (YELLOW)	4,266	FOOT
THERMOPLASTIC PAVEMENT MARKING-LINE 4" (WHITE)	8,705	FOOT
TOTAL THERMOPLASTIC 4"	12,971	FOOT
THERMOPLASTIC PAVEMENT MARKING-LINE 8" (WHITE)	133	FOOT
THERMOPLASTIC PAVEMENT MARKING-LINE 12" (YELLOW)	200	FOOT
THERMOPLASTIC PAVEMENT MARKING-LINE 12" (WHITE)	574	EACH
TOTAL THERMOPLASTIC 12"	774	FOOT
THERMOPLASTIC PAVEMENT MARKING-LINE 24" (WHITE)	476	FOOT
THERMOPLASTIC PAVEMENT MARKING-LETTERS AND SYMBOLS	149	SQ. FT.
THERMOPLASTIC PAVEMENT MARKING REMOVAL	167	FOOT
RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	18	EACH
RAISED REFLECTIVE PAVEMENT MARKERS (ONE-WAY CRYSTAL)	16	EACH
RAISED REFLECTIVE PAVEMENT MARKERS (ONE-WAY AMBER)	20	EACH
RAISED REFLECTIVE PAVEMENT MARKERS (TWO-WAY AMBER)	16	EACH
TOTAL RAISED REFLECTIVE PAVEMENT MARKERS	52	EACH



BITUMINOUS SURFACE REMOVAL SHADED THUS–

DETAIL - BUTT JOINT

N.T.S.

LEGEND

EXISTING POWER POLE–
EXISTING LIGHT POLE–
PROPOSED SIGNAL LIGHT–
EXISTING FIRE HYDRANT–
EXISTING WATER VAVLE– WV
EXISTING WATER METER– WM
EXISTING CHAIN LINK FENCE–
EXISTING WOOD FENCE–
EXISTING RETAINING WALL–
EXISTING BRICK WALL–
EXISTING SANITARY MANHOLE–
EXISTING CULVERT–
EXISTING STORM INLET– MH
IRON PIPE FOUND– IP
EXISTING SIGN–
EXISTING ROCK WALL–
EXISTING MONUMENT– MON
EXISTING TREE–
PROPOSED AGGREGATE SURFACE COURSE, TYPE B
PROPOSED LIMITS TO BE ROTO-MILLED AND RESURFACED
PROPOSED PAVEMENT TO BE REMOVED AND REPLACED

REVISIONS

Sheppard, Morgan & Schwaab, Inc.
CONSULTING ENGINEERS AND LAND SURVEYORS
SMS ENGINEERS
215 Market Street, P.O. Box E, Alton, IL 62002 • 618/462-9755 • Email: mail@smsengineers.com
10 Central Industrial Drive, Granite City, IL 62040 • 618/877-8700 • E-mail: mail@smsengineers.com

WOOD RIVER, ILLINOIS
RESURFACING PROJECT
EDWARDSVILLE ROAD (FAU 8980)
SECTION 02-00043-00-RS
SUMMARY OF QUANTITIES AND GENERAL NOTES

SUM QUANTITIES.DWG
REF. BK. PG.
JOB NO. 285879
DSN. BY: CLA
DWN. BY: CDP
CHK. BY: JHH
DATE: FEBRUARY, 2005
SCALE: NONE