

ROUTE NO.	SECTION	COUNTY	TOTAL QUANTITY	SHEET NO.
FAU 8384	*	EFFINGHAM	95	5
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT - 199-406081		

* SECTION 05-00094-01-PV
SECTION 03-00098-00-BR
CONTRACT #95503

ITEM NO.	PAY CODE NUMBER	ITEM	UNIT	TOTAL QTY	SECTION		NON-PARTICIPATING QUANTITY
					05-00094-01-PV	03-00098-00-BR	
1	20100500	TREE REMOVAL, ACRES	ACRE	6.8	6.8		
2	20200100	EARTH EXCAVATION	CU YD	67877	67320	207	350
3	20700400	POROUS GRANULAR EMBANKMENT, SPECIAL	CU YD	195		195	
4	20800150	TRENCH BACKFILL	CU YD	302	302		
5	25001000	SEEDING, CLASS 2 (SPECIAL)	ACRE	6.9	6.7		0.2
6	28000300	TEMPORARY DITCH CHECKS	EACH	8	8		
7	28000400	PERIMETER EROSION BARRIER	FOOT	1107	1107		
8	28000500	INLET AND PIPE PROTECTION	EACH	6	6		
9	28000510	INLET FILTERS	EACH	63	63		
10	28100107	STONE RIRAP, CLASS A4	SQ YD	782		782	
11	28200200	FILTER FABRIC	SQ YD	782		782	
12	30200750	PROCESSING MODIFIED SOIL 14"	SQ YD	15115	15115		
13	30201500	LIME	TON	445	445		
14	35100100	AGGREGATE BASE COURSE, TYPE A	TON	1254	889		365
15	35501316	HOT-MIX ASPHALT BASE COURSE, 8"	SQ YD	450			450
16	40200700	AGGREGATE SURFACE COURSE, TYPE A 8"	SQ YD	38	38		
17	40800010	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	666	206		460
18	40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	187	50		137
19	42000300	PORTLAND CEMENT CONCRETE PAVEMENT 8"	SQ YD	12910	12450		460
20	42000500	PORTLAND CEMENT CONCRETE PAVEMENT 10"	SQ YD	547	547		
21	42001400	BRIDGE APPROACH PAVEMENT (SPECIAL)	SQ YD	207	207		
22	42001200	PAVEMENT FABRIC	SQ YD	13926	13926		
23	42001300	PROTECTIVE COAT	SQ YD	19289	18755		534
24	42001420	BRIDGE APPROACH PAVEMENT CONNECTOR (PCC)	SQ YD	578	578		
25	42300400	PORTLAND CEMENT DRIVEWAY PAVEMENT 8 INCH	SQ YD	369	369		
26	42400100	PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	SQ FT	19342	19342		
27	42400800	DETECTABLE WARNINGS	SQ FT	28	28		
28	44000100	PAVEMENT REMOVAL	SQ YD	396	396		
29	44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	1918	1534		384
30	44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	501	471		30
31	44000920	BITUMINOUS CONCRETE SHOULDER REMOVAL	SQ YD	150	150		
32	50104400	CONCRETE HEADWALL REMOVAL	EACH	2	2		
33	50200100	STRUCTURE EXCAVATION	CU YD	369		369	
34	50300100	FLOOR DRAINS	EACH	4		4	
35	50300225	CONCRETE STRUCTURES	CU YD	89.9		89.9	
36	50300255	CONCRETE SUPERSTRUCTURE	CU YD	336.5		336.5	
37	50300260	BRIDGE DECK GROOVING	SQ YD	647		647	
38	50300280	CONCRETE ENCASEMENT	CU YD	12.6		12.6	
39	50300300	PROTECTIVE COAT	SQ YD	971		971	
40	50400735	FURNISHING AND ERECTING PRECAST PRESTRESSED CONCRETE BULB T-BEAMS 63"	FOOT	1030		1030	
41	50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	74030		74030	
42	50800515	BAR SPLICERS	EACH	62		62	
43	50900105	ALUMINUM RAILING, TYPE L	FOOT	206		206	
44	51201700	FURNISHING STEEL PILES HP12X74	FOOT	590		590	
45	51201710	FURNISHING STEEL PILES HP12X84	FOOT	544		544	
46	51202305	DRIVING PILES	FOOT	1134		1134	
47	51203700	TEST PILE STEEL HP12X74	EACH	2		2	
48	51203710	TEST PILE STEEL HP12X84	EACH	1		1	
49	51500100	NAME PLATES	EACH	1		1	
50	54200637	PIPE CULVERTS, TYPE 1, CORRUGATED STEEL OR ALUMINUM CULVERT PIPE 12"	FOOT	40	40		
51	54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	EACH	1	1		
52	54213660	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15"	EACH	2	2		
53	54213663	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18"	EACH	2	2		
54	54216185	REINFORCED CONCRETE PIPE TEE, 15" PIPE WITH 12" RISER	EACH	13	13		
56	54216560	REINFORCED CONCRETE PIPE TEE, 18" PIPE WITH 15" RISER	EACH	2	2		
57	55100700	STORM SEWER REMOVAL 15"	FOOT	132	132		
58	55100800	STORM SEWER REMOVAL 18"	FOOT	24	24		
59	59100100	GEOCOMPOSITE WALL DRAIN	SQ YD	104		104	
60	60109580	PIPE UNDERDRAINS FOR STRUCTURES 4"	FOOT	166		166	
61	60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	23	23		
62	60219500	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 15 FRAME AND LID	EACH	1	1		
63	60219550	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 37 GRATE	EACH	1	1		
64	60221000	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	1	1		
65	60221100	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	2	2		
66	60221700	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 8 GRATE	EACH	1	1		

REVISED: 07/12/07

Revised 7/13/07

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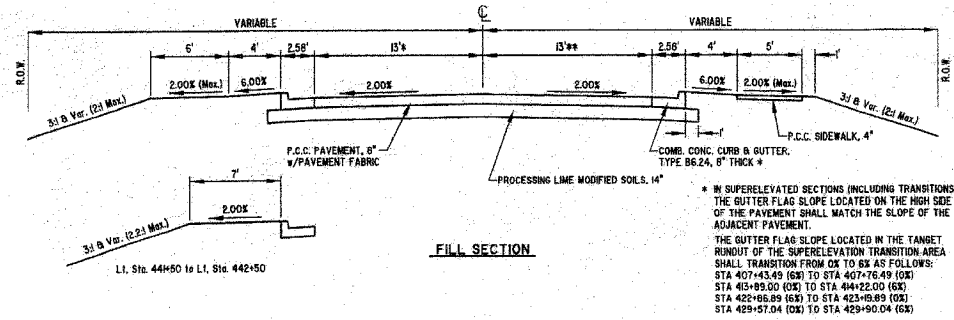
MILANO & GRUNLOH ENGINEERS, LLC
14 WEST WASHINGTON
P.O. BOX 897
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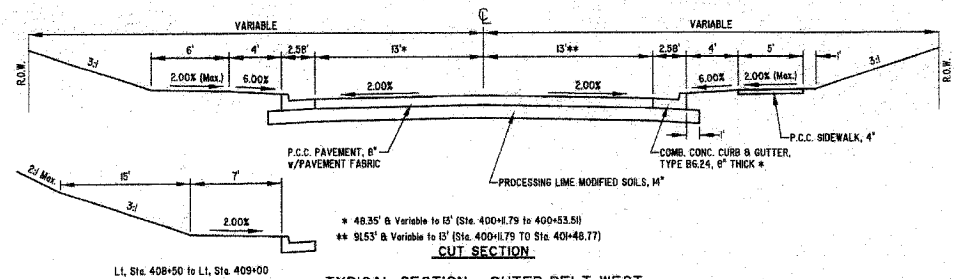
SUMMARY OF QUANTITIES
OUTER BELT WEST
CITY OF EFFINGHAM, ILLINOIS

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 8384	†	EFFINGHAM	95	7
FED. ROAD DIST. NO. 7	SLASH	FED. AID PROJECT - PPP-408080		

* SECTION 05-00094-01-PV
SECTION 03-00098-00-BR
CONTRACT #95503

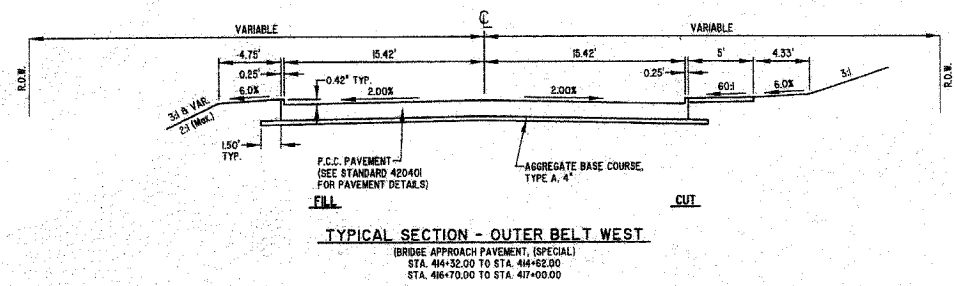


* IN SUPERELEVATED SECTIONS (INCLUDING TRANSITIONS), THE GUTTER FLAG SLOPE LOCATED ON THE HIGH SIDE OF THE PAVEMENT SHALL MATCH THE SLOPE OF THE ADJACENT PAVEMENT.
THE GUTTER FLAG SLOPE LOCATED IN THE TARGET RADIUS OF THE SUPERELEVATION TRANSITION AREA SHALL TRANSITION FROM 0% TO 6% AS FOLLOWS:
STA. 407+43.49 (60) TO STA. 407+76.49 (100)
STA. 413+89.00 (0%) TO STA. 414+22.00 (6%)
STA. 422+86.89 (6%) TO STA. 423+89.89 (10%)
STA. 429+57.04 (10%) TO STA. 429+90.04 (6%)

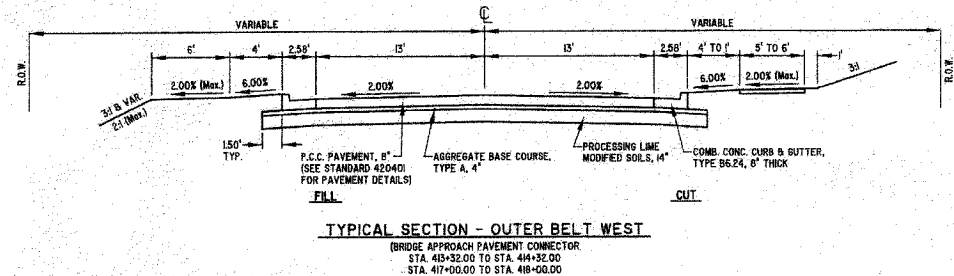


* 48.35' & Variable to 15' (Sta. 400+1.79 to 400+53.51)
** 91.53' & Variable to 15' (Sta. 400+1.79 to Sta. 401+48.77)

TYPICAL SECTION - OUTER BELT WEST
(URBAN SECTION)
STA. 400+1.79 TO STA. 413+32.00
STA. 418+00.00 TO STA. 442+73.05



TYPICAL SECTION - OUTER BELT WEST
(BRIDGE APPROACH PAVEMENT, SPECIAL)
STA. 414+32.00 TO STA. 414+82.00
STA. 416+70.00 TO STA. 417+00.00



TYPICAL SECTION - OUTER BELT WEST
(BRIDGE APPROACH PAVEMENT CONNECTOR)
STA. 413+32.00 TO STA. 414+32.00
STA. 417+00.00 TO STA. 418+00.00

PAVEMENT DESIGN - OUTER BELT WEST
CLASS II STREET: LOCAL ROAD (80,000 lb Trucks)

URBAN
STRUCTURAL DESIGN: PV=221
TRAFFIC (20): SL=10.5
MU=2.97
ILLINOIS BEARING RATIO: 3.0
TRAFFIC FACTOR: 1.60

REVISED: 07/12/07

Revised 7/12/07

	MILANO & GRUNLOH ENGINEERS, LLC 14 WEST WASHINGTON P.O. BOX 697 EFFINGHAM, ILLINOIS 62401 PHONE: (217) 347-7242 (609) 877-2714 FAX #: (217) 342-5433	TYPICAL SECTIONS OUTER BELT WEST CITY OF EFFINGHAM, ILLINOIS
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ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 8384	+	EFFINGHAM	95	9
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT: I99-000004	

* SECTION 05-0094-01-PV
SECTION 03-00098-00-BR
CONTRACT #95503

LOCATION	PAVEMENT SCHEDULE													
	PCC PAVEMENT, 6"	PCC PAVEMENT, 10"	PCC DRIVEWAY PAVEMENT, 8"	PAVEMENT FABRIC	BRIDGE APPROACH PAVEMENT CONNECTOR (PCC)	BRIDGE APPROACH PAVEMENT (SPECIAL)	CORRUGATED MEDIAN	BITUMINOUS MATERIALS (PRIME COAT)	HOT-MIX ASPHALT BASE COURSE, 8"	INCIDENTAL HOT-MIX ASPHALT SURFACING	AGGREGATE BASE COURSE TYPE A	PROCESSING MODIFIED SOIL, 14"	LIME	DOWEL BARS
	SY	SY	SY	SY	SY	SY	SF	GAL	SY	TON	TON	SY	TON	EACH
400+11.79 to 442+73.05	11342			11342	578	207					235	15115	445	
Rt. 404+41.96			369	369							84			
33+51 to 34+26								161		37	147			
34+26 to 34+46														
Lt. 35+86 to Lt. 39+47		547		547							132			
5+31.7 to 6+48.2	1008			1008		117					235			
Rt. 5+85.7	100			100				45		13	96			
TruckOmat Site	480			480				460	450	137	365			14
Lt. 134+46.18 to Lt. 39+75.06														264
74.7' Rt. 134+47.5 to 12' Rt. 134+48.2														29
18.1' Rt. 136+41.6 to 40.8' Rt. 136+78.5														29
Total	12910	547	369	13826	578	207	117	668	450	187	1254	15115	445	336

EPOXY PAVEMENT MARKING SCHEDULE						
LOCATION	4" YELLOW FOOT	4" WHITE FOOT	6" WHITE FOOT	12" YELLOW FOOT	24" WHITE FOOT	SYMBOLS SQ FT
FAYETTE AVENUE						
31+58.7 TO 134+16	844					
63.0' Rt. 134+84.0 to 12.8' Rt. 39+19.4		443				
0.46' Rt. 135+35.8 to 39+91	1204					
12' Lt. 135+35.8 to 39+77.7			300			
24' Lt. 135+35.8 to 39+85.5			300			
33+00 to 39+85				22		
41' Rt. 134+67 to 135+12					45	
23.6' Rt. 136+89.0 to 24.0' Rt. 137+25.2					27	
135+53.8						42.7
136+31.1						42.7
137+08.4						42.7
137+85.8						42.7
OUTER BELT WEST						
400+38.5 TO 442+73.0	939					
0' Lt to 15.5' Lt. 400+39.5					16	
TRUCKOMAT ENTRANCE						
5+61.2 to 5.78.2	34					
0' Lt to 30.5' Lt. 5 +62.2					31	
TRUCKOMAT SITE						
Truck-Trailer Spaces		1430				
Vehicle Spaces		320				
TOTAL	3021	2193	600	22	119	170.8

PCC SIDEWALK, 4"	
LOCATION	SF
Rt. Sta. 400+40 to Rt. Sta. 403+82	1750
Rt. Sta. 404+90 to Rt. Sta. 413+85.34	4477
Rt. Sta. 413+85.34 to Rt. Sta. 414+35.53	260
Rt. Sta. 417+03.53 to Rt. Sta. 417+50.00	240
Rt. Sta. 417+50.00 to Rt. Sta. 442+73.05	12615
TOTAL	18342

DETECTABLE WARNINGS	
LOCATION	SF
Rt. Sta. 403+77 to Rt. Sta. 403+82	14
Rt. Sta. 404+90 to Rt. Sta. 404+95	14
TOTAL	28

BO' LARDS	
LOCATION	EACH
TruckOmat Site	12

LATERAL MOVEMENT OF CONCRETE BARRIERS	
LOCATION	L SUM
TruckOmat Site	1

COMBINATION CONCRETE CURB AND GUTTER			
LOCATION	TYPE B-6.24	TYPE B (SPECIAL)	
		LF	LF
Rt. 34+10 to Rt. 34+44		57	
Rt. 36+42 to Rt. 36+77		45	
Lt. 36+35 to Lt. 36+52		81	
Lt. 37+69 to Lt. 37+71		180	
Lt. 400+16 to Lt. 414+29		1428	
Rt. 400+39 to 414+35		1416	
Lt. 416+97 to 442+73		2576	
Rt. 417+03 to Rt. 442+73		2571	
Rt. 403+71 to Rt. 403+83		68	
Rt. 404+84 to Rt. 405+03		21	
TruckOmat Site		310	31
TOTAL		6743	31

SEEDING, CLASS 2 (SPECIAL)	
LOCATION	ACRE
Rt. 33+51 to Rt. 34+43	0.06
Lt. 33+51 to Lt. 34+16	0.08
Lt. 400+11.79 to Lt. 414+62	1.14
Rt. 400+11.79 to Rt. 414+62	1.19
Lt. 416+70 to Lt. 442+73.05	2.13
Rt. 416+70 to Rt. 442+73.05	1.80
Lt. 35+56 to Lt. 39+47	0.32
TruckOmat Site	0.20
TOTAL	6.9

SIGNS				
LOCATION	OFFSET	STEEL SIGN SUPPORT FEET	SIGN PANEL TYPE I SQ FT	MESSAGE
400+39.96	21.67LT	16	6.25	STOP
135+22.14	42.85RT	16	6.25	STOP
136+56.78	65.07LT	16	6.25	STOP
137+31.30	25.43RT	16	6.25	STOP
TOTAL		64	25.0	

AGGREGATE SURFACE COURSE, TYPE A, 8"	
LOCATION	SY
Lt. Sta. 33+07.30	14
Rt. Sta. 133+19.27	24
TOTAL	38

PIPE CULVERTS, TYPE 1, CORRUGATED METAL, 12"	
LOCATION	FOOT
Lt. Sta. 33+07.30	20
Rt. Sta. 133+19.27	20
TOTAL	40

REMOVE EXISTING PIPE CULVERTS (INCLUDED IN CONTRACT PRICE FOR PIPE CULVERTS, TYPE 1)	
LOCATION	FOOT
Lt. Sta. 33+07.30	20
Rt. Sta. 133+19.27	20
TOTAL	40

EARTHWORK SCHEDULE				
LOCATION	EARTH EXCAVATION	EXCAVATION TO BE USED IN EMBANKMENT ADJUSTED FOR SHRINKAGE	EMBANKMENT	EARTHWORK BALANCE WASTE - (+) SHRINKAGE - (-)
SECTION 05-0094-01-PV				
33+35 to 39+85	530	645	515	-115
400+12 to 407+50	1720	1090	872	630
407+50 to 414+62	40100	250	200	39850
416+70 to 420+00	500	18900	13400	-16300
420+00 to 442+73	24470	28690	22952	-4220
TruckOmat Site	350			350
Sub-Total	67870	47475	37939	20195
SECTION 03-0098-00-BR				
414+62 to 415+00	191	229	183	-38
416+62 to 416+70	16	825	660	-809
Sub-Total	207	1054	843	-847
Total	67877	48529	38782	19348

Note: 25% Shrink Factor Used

ENTRANCE SCHEDULE	
LOCATION	DESCRIPTION
FAYETTE AVENUE	
Lt. Sta. 33+07.30	REMOVE EXISTING CMP. INSTALL NEW CMP. AGGREGATE SURFACE QUANTITIES SHOWN ON THIS SHEET
Rt. Sta. 33+07.30	REMOVE EXISTING CMP. INSTALL NEW CMP. AGGREGATE SURFACE QUANTITIES SHOWN ON THIS SHEET
Rt. Sta. 134+64.24	INCLUDED WITH FAYETTE AVENUE QUANTITIES
Lt. Sta. 136+93.40	SEE SHEET 33, QUANTITIES SHOWN ON THIS SHEET
OUTER BELT WEST	
Rt. Sta. 404+41.96	SEE SHEET 32, QUANTITIES SHOWN ON THIS SHEET

Revised 7/13/07

NOTE: SEE SHEET 22 FOR REMOVAL QUANTITIES
SEE SHEET 25 FOR EROSION CONTROL QUANTITIES

REVISED: 07/12/07

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 File name: E:\DWG\05\05014.dwg
 Plot date: 07/12/07 at 14:30

SCHEDULE OF QUANTITIES
 OUTER BELT WEST AND
 FAYETTE AVENUE
 CITY OF EFFINGHAM, ILLINOIS