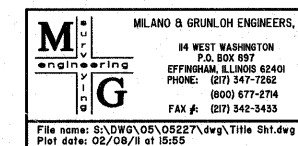


ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 8390	04-00084- 01-PV	EFFINGHAM	139	3
FED. ROAD DIST. NO. 7	ILLINOIS			

CONTRACT #95639

## STANDARDS

000001-06	Standard Symbols, Abbreviations, and Patterns	630001-09	Steel Plate Beam Guardrail
280001-05	Temporary Erosion Control Systems	630301-05	Shoulder Widening for Type I (Special) Guardrail Terminals
420001-07	Pavement Joints	631032-06	Traffic Barrier Terminal, Type 6A
420101-04	(24') 7.2m Joint PCC Pavement	635006-03	Reflector and Terminal Marker Placement
424001-05	Curb Ramps for Sidewalk	635011-02	Reflector Marker and Mounting Details
515001-03	Name Plate for Bridges	701006-03	Off-Road Operations, 2L, 2W, 4.5m (15') to 600mm (24") from Pavement Edge
542301-03	Precast Reinforced Concrete Flared End Section	701011-02	Off-Road Moving Operations 2L, 2W, Day Only
542401-01	Aluminum End Section	701301-04	Lane Closure 2L, 2W Short Time Operations
542606-02	Reinforced Concrete Pipe Tee	701306-03	Lane Closure 2L, 2W Slow Moving Operations Day Only for Speeds $\geq$ 45 MPH
602301-03	Inlet, Type A	701311-03	Lane Closure 2L, 2W, Moving Operations - Day Only
602306-03	Inlet, Type B	701336-06	Lane Closure 2L, 2W Work Areas in Series. for Speeds $\geq$ 45 MPH
602401-03	Manhole, Type A	701801-04	Lane Closure, Multilane, 1W or 2W, Crosswalk or Sidewalk Closure
602601-02	Precast Reinforced Concrete Flat Slab Top	701901-01	Traffic Control Devices
602701-02	Manhole Steps	720001-01	Sign Panel Mounting Details
604001-03	Frame and Lid, Type I	720006-02	Sign Panel Erection Details
604006-04	Frame and Grate, Type 3	780001-02	Typical Pavement Markings
604011-04	Frame and Grate, Type 3V	BLR 2I-8	Typical Application of Traffic Control Devices for Construction on Rural Local Highways
604041-02	Frame and Grate, Type 9	701501-06	Urban Lane Closure, 2L, 2W, Undivided
606001-04	Concrete Curb Type B and Combination Concrete Curb and Gutter		$\Delta$ Revised 5-31-2011
606006-02	Outlet for Concrete Curb and Gutter, Type B-15.60 (B-6.24)		
606201-02	Type B Gutter (Inlet, Outlet and Entrance)		



STANDARDS SHEET  
EVERGREEN AVENUE  
CITY OF EFFINGHAM, ILLINOIS  
COUNTY OF EFFINGHAM, ILLINOIS

File name: S:\DWG\05\08227\dwg\Title Sht.dwg  
Plot date: 02/08/11 at 15:55

SUMMARY OF QUANTITIES WEST EVERGREEN AVENUE						
ITEM NO.	PAY CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY	80% FEDERAL 20% LOCAL	100% LOCAL
1	20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	145	104	41
2	20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	235	107	128
3	20100500	TREE REMOVAL ACRES	ACRE	6.85	6.7	0.15
4	20200100	EARTH EXCAVATION	CU YD	58302	56350	1952
5	20400800	FURNISHED EXCAVATION	CU YD	15702	15702	0
6	20700110	POROUS GRANULAR EMBANKMENT	TON	125	0	125
7	20800150	TRENCH BACKFILL	CU YD	262	229	33
8	28000305	TEMPORARY DITCH CHECKS	FOOT	2212	2212	0
9	28000400	PERIMETER EROSION BARRIER	FOOT	1657	1292	365
10	28000500	INLET AND PIPE PROTECTION	EACH	36	30	6
11	28000510	INLET FILTERS	EACH	25	19	6
12	28100809	STONE DUMPED RIPRAP, CLASS A5	TON	765	765	0
13	28200200	FILTER FABRIC	SQ YD	2708	2569	139
14	28400100	GABIONS	CU YD	478	177	301
15	28400700	SLOPE MATTRESS 9"	SQ YD	86	86	0
16	31100100	SUBBASE GRANULAR MATERIAL, TYPE A	TON	400	0	400
17	35100100	AGGREGATE BASE COURSE, TYPE A	TON	3850	3769	81
18	35200410	PROCESSING SOIL-CEMENT BASE COURSE 10"	SQ YD	18432	18432	0
19	35200500	CEMENT	100 WT	15593	15593	0
20	40200100	AGGREGATE SURFACE COURSE, TYPE A	TON	7483	7401	82
21	40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	2552	2552	0
22	40600300	AGGREGATE (PRIME COAT)	TON	51	51	0
23	40603005	HOT-MIX ASPHALT BINDER COURSE, IL-11.0, N70	TON	3739	3739	0
24	40603315	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N70	TON	2564	2564	0
25	40800010	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	729	634	95
26	40800030	AGGREGATE (PRIME COAT)	TON	5	4.4	0.6
27	40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	207	173	34
28	42000300	PORTLAND CEMENT CONCRETE PAVEMENT 8"	SQ YD	1350	0	1350
29	42001300	PROTECTIVE COAT	SQ YD	4225	1935	2290
30	42400100	PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	SQ FT	6364	0	6364
31	42400800	DETECTABLE WARNINGS	SQ FT	10	0	10
32	44000600	SIDEWALK REMOVAL	SQ FT	1100	0	1100
33	50100300	REMOVAL OF EXISTING STRUCTURES NO. 1	EACH	1	1	0
34	50100400	REMOVAL OF EXISTING STRUCTURES NO. 2	EACH	1	1	0
35	50100500	REMOVAL OF EXISTING STRUCTURES NO. 3	EACH	1	1	0
36	50100600	REMOVAL OF EXISTING STRUCTURES NO. 4	EACH	1	1	0
37	50100700	REMOVAL OF EXISTING STRUCTURES NO. 5	EACH	1	0	1
38	50100800	REMOVAL OF EXISTING STRUCTURES NO. 6	EACH	1	0	1
39	50105220	PIPE CULVERT REMOVAL	FOOT	282	250	32
40	50200100	STRUCTURE EXCAVATION	CU YD	166	166	0
41	50300225	CONCRETE STRUCTURES	CU YD	68.9	68.9	0
42	50300280	CONCRETE ENCASEMENT	CU YD	4.2	4.2	0
43	50400505	PRECAST PRESTRESSED CONCRETE DECK BEAMS (27" DEPTH)	SQ FT	3562	3562	0
44	50800105	REINFORCEMENT BARS	POUND	5790	5790	0
45	50901050	STEEL RAIL'NG, TYPE SM	FOOT	216	216	0
46	51201400	FURNISHING STEEL PILES HP10X42	FOOT	1242	1242	0
47	51202305	DRIVING PILES	FOOT	1242	1242	0
48	51203400	TEST PILE STEEL HP10X42	EACH	3	3	0
49	51500100	NAME PLATES	EACH	1	1	0
50	54213663	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18"	EACH	1	0	1
51	54213669	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"	EACH	4	4	0
52	54213681	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 36"	EACH	1	1	0
53	54213717	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 72"	EACH	1	1	0
54	54214089	ALUMINUM END SECTIONS 24"	EACH	10	10	0
55	54214095	ALUMINUM END SECTIONS 30"	EACH	2	2	0
56	54214101	ALUMINUM END SECTIONS 36"	EACH	2	2	0
57	54217680	REINFORCED CONCRETE PIPE TEE, 24" PIPE WITH 24" RISER	EACH	1	1	0
58	542C1069	PIPE CULVERTS, CLASS C, TYPE 2 24"	FOOT	295	295	0
59	542C1075	PIPE CULVERTS, CLASS C, TYPE 2 30"	FOOT	80	80	0
60	542C1081	PIPE CULVERTS, CLASS C, TYPE 2 36"	FOOT	80	80	0
61	550A2520	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 12"	FOOT	851	558	93
62	550A2530	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 15"	FOOT	829	472	157
63	550A2540	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 18"	FOOT	837	804	33
64	550A2560	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 24"	FOOT	694	694	0
65	550A2600	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 36"	FOOT	102	102	0
66	550A2860	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 3 72"	FOOT	95	95	0
67	56100050	DUCTILE IRON WATER MAIN TEE, 12" X 6"	EACH	1	0	1
68	56100600	WATER MAIN 6"	FOOT	4	0	4
69	56100900	WATER MAIN 12"	FOOT	751	0	751

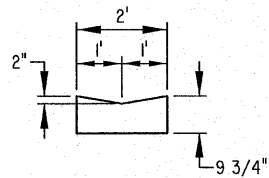
Δ Revised 5-31-2011

SUMMARY OF QUANTITIES WEST EVERGREEN AVENUE						
ITEM NO.	PAY CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY	80% FEDERAL 20% LOCAL	100% LOCAL
70	56104900	WATER VALVES 6"	EACH	1	0	1
71	56109100	TAPPING VALVES AND SLEEVES 12"	EACH	2	0	2
72	56109404	DUCTILE IRON WATER MAIN FITTINGS 12" 11.25 DEGREE BEND	EACH	2	0	2
73	56109412	DUCTILE IRON WATER MAIN FITTINGS 12" 22.50 DEGREE BEND	EACH	2	0	2
74	56109438	DUCTILE IRON WATER MAIN FITTINGS 12" 90.00 DEGREE BEND	EACH	1	0	1
75	56400600	FIRE HYDRANTS	EACH	1	0	1
76	60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	15	14	1
77	60221100	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1	1	0
78	60223800	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1	1	0
79	60235700	INLETS, TYPE A, TYPE 3 FRAME AND GRATE	EACH	4	1	3
80	60236600	INLETS, TYPE A, TYPE 9 FRAME AND GRATE	EACH	1	0	1
81	60240215	INLETS, TYPE B, TYPE 1 FRAME, CLOSED LID	EACH	1	0	1
82	60240220	INLETS, TYPE B, TYPE 3 FRAME AND GRATE	EACH	1	0	1
83	60240303	INLETS, TYPE B, TYPE 9 FRAME AND GRATE	EACH	1	0	1
84	60600095	CLASS SI CONCRETE (OUTLET)	CU YD	25	25	0
85	60603450	GUTTER INLET (SPECIAL)	EACH	3	3	0
86	60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	3532	2908.5	623.5
87	63000015	STEEL PLATE BEAM GUARDRAIL, TYPE D	FOOT	100	100	0
88	63100087	TRAFFIC BARRIER TERMINAL, TYPE 6A	EACH	2	2	0
89	63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	2	2	0
90	63301210	REMOVE AND REERECT STEEL PLATE BEAM GUARDRAIL, TYPE A	FOOT	138	0	138
91	63301990	REMOVE AND REERECT TRAFFIC BARRIER TERMINALS, TYPE 1	EACH	2	0	2
92	67000500	ENGINEER'S FIELD OFFICE, TYPE B	CAL MO	24	24	0
93	67100100	MOBILIZATION	LUMP SUM	1	1	0
94	70101830	TRAFFIC CONTROL AND PROTECTION, STANDARD BLR 21	LUMP SUM	1	1	0
95	70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	LUMP SUM	1	1	0
96	78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	16105	15101	1004
97	78001180	PAINT PAVEMENT MARKING - LINE 24"	FOOT	26	26	0
98	78200410	GUARDRAIL MARKERS, TYPE A	EACH	4	4	0
99	78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	2	2	0
100	K1005418	TEMPORARY SEEDING	ACRE	18.5	17.5	1
101	X0325592	REMOVE AND REPLACE STONE RIPRAP	SQ YD	1778	1778	0
102	X2501000	SEEDING, CLASS 2 (SPECIAL)	ACRE	18.5	17.5	1
103	X6022230	MANHOLES, TYPE A, 4'-DIAMETER, WITH SPECIAL FRAME AND GRATE	EACH	1	1	0
104	X6023212	INLETS, TYPE A, WITH SPECIAL FRAME AND GRATE, SPECIAL	EACH	1	1	0
105	X6023508	INLETS, TYPE A, WITH SPECIAL FRAME AND GRATE	EACH	16	16	0
106	X6063000	CONCRETE GUTTER, TYPE B (SPECIAL)	FOOT	1381	1381	0
107	X7010216	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	LUMP SUM	1	1	0
108	Z0013300	CONCRETE REMOVAL (SPECIAL)	SQ YD	4	0	4
109	Z0018900	DRILL AND GROUT DOWEL BARS	EACH	34	0	34
110	Z0023202	SEDIMENT CONTROL, DRAINAGE STRUCTURE INLET FILTER	EACH	25	19	6
111	Z0077002	CLEANING	FOOT	1382	0	1382
112	XX000610	WATER MAIN REMOVAL	FOOT	10	8	2
113	XX005776	RELOCATE EXISTING MAILBOX	EACH	1	0	1
114	XX006571	DUCTILE IRON WATER MAIN FITTINGS 12" 45.00 DEGREE BEND	EACH	1	0	1
115	XX007717	REMOVE AND REPLACE BOLLARDS	EACH	3	0	3
		" PLUG	EACH	2	0	2

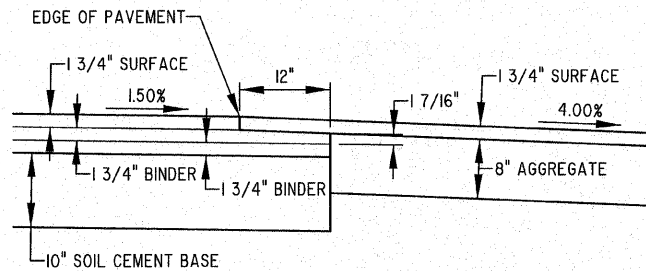
Δ SPECIALTY ITEMS

- PAVING LEGEND**
- ① HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N70, 1 3/4"
  - ② HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 1 3/4"
  - ③ HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 1 3/4"
  - ④ 10" SOIL CEMENT BASE COURSE, CONSIST OF 5" AGGREGATE BASE COURSE, TYPE A AND 5" OF SOIL ALL MIXED WITH 12% CEMENT (BY VOLUME)
  - ⑤ HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N70, 1 3/4"
  - ⑥ AGGREGATE BASE COURSE, TYPE A, 8"

Revised 5-31-2011



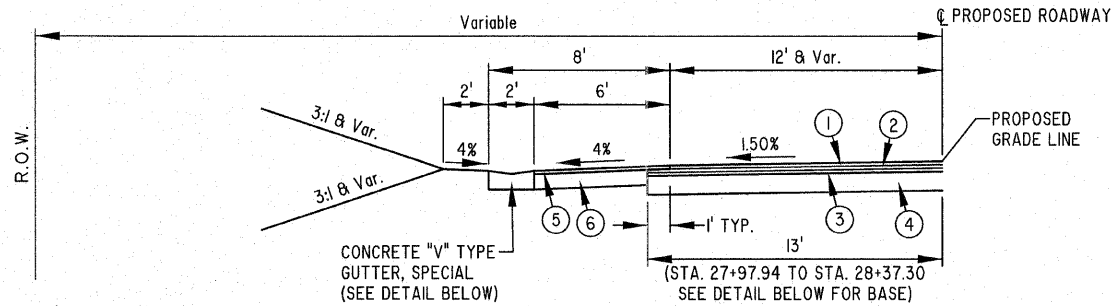
"V" TYPE GUTTER, SPECIAL



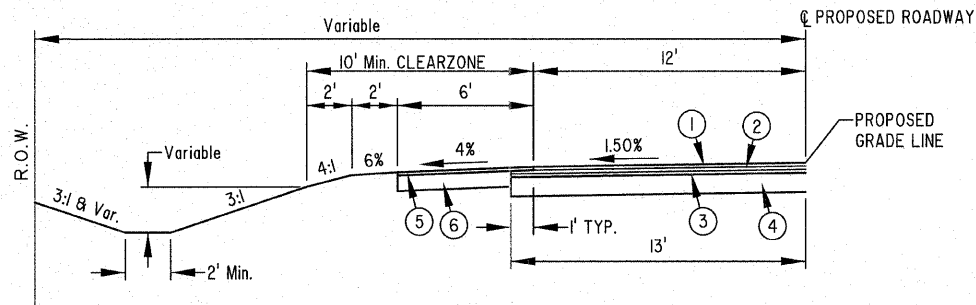
THICKNESS TRANSITION - HOT-MIX BINDER

PAVEMENT DESIGN - EVERGREEN AVENUE  
SECTION 04-00084-01-PV  
STA. 27+79.94 TO STA. 94+92.73  
WINPAS PAVEMENT ANALYSIS SOFTWARE  
CLASS II STREET: LOCAL ROAD (80,000 lb Trucks)

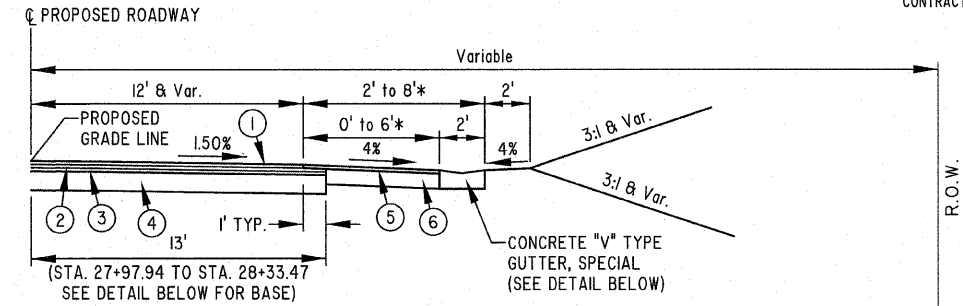
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STRUCTURAL DESIGN PV=2966  
TRAFFIC (2021): SU=III  
MU=7  
TOTAL FLEXIBLE ESALS: 3,207,562  
REQUIRED STRUCTURAL NUMBER: 5.47  
DESIGNED STRUCTURAL NUMBER: 5.67



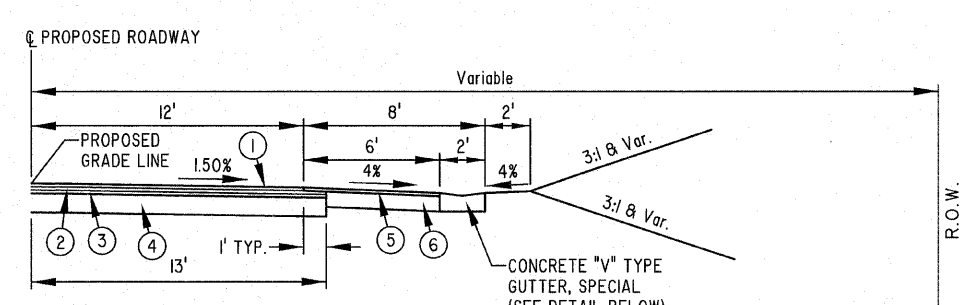
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LT STA. 27+79.94 TO STA. 32+35.30



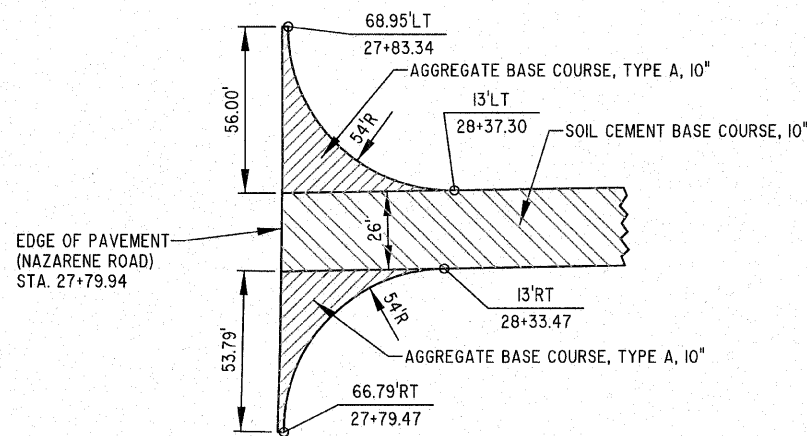
TYPICAL SECTION - EVERGREEN AVENUE  
LT STA. 32+35.30 TO STA. 32+63.87



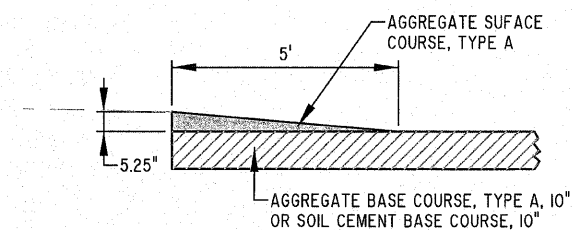
TYPICAL SECTION - EVERGREEN AVENUE  
RT STA. 27+79.94 TO STA. 28+33.47



TYPICAL SECTION - EVERGREEN AVENUE  
RT STA. 28+33.47 TO STA. 32+63.87



NAZARENE ROAD AND EVERGREEN AVENUE  
INTERSECTION BASE DETAIL



NAZARENE ROAD AND EVERGREEN AVENUE  
TEMPORARY FILLET DETAIL

STA. 27+79.94 TO STA. 32+63.87

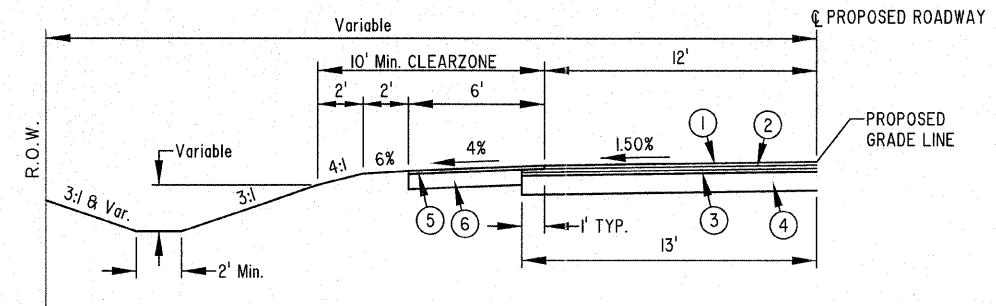
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 8390	04-00084-01-FV	EFFINGHAM	139	7
FED. ROAD DIST. NO. 7		ILLINOIS		

CONTRACT #95639

**PAVING LEGEND**

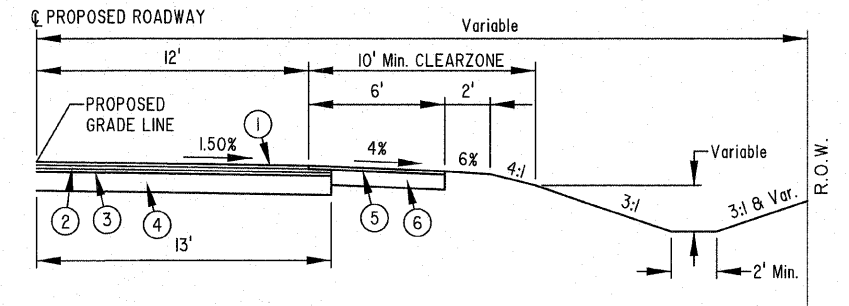
- ① HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N70, 1 3/4"
- ② HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 1 3/4"
- ③ HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 1 3/4"
- ④ 10" SOIL CEMENT BASE COURSE, CONSIST OF 5" AGGREGATE BASE COURSE, TYPE A AND 5" OF SOIL ALL MIXED WITH 12% CEMENT (BY VOLUME)
- ⑤ HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N70, 1 3/4"
- ⑥ AGGREGATE BASE COURSE, TYPE A, 8"

△ Revised 5-31-2011



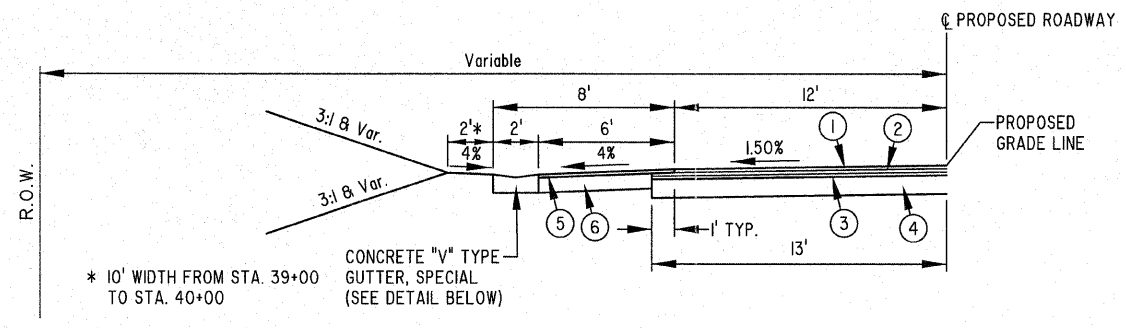
**TYPICAL SECTION - EVERGREEN AVENUE**

LT STA. 32+63.87 TO STA. 34+96.43  
LT STA. 37+00.00 TO STA. 38+76.00



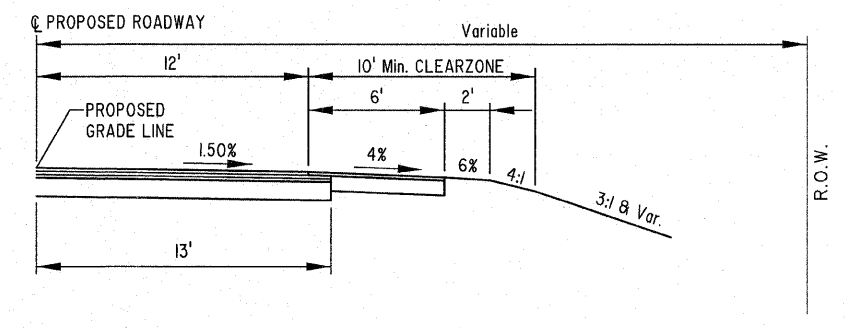
**TYPICAL SECTION - EVERGREEN AVENUE**

RT STA. 32+63.87 TO STA. 33+50.00  
RT STA. 37+88.65 TO STA. 38+76.00



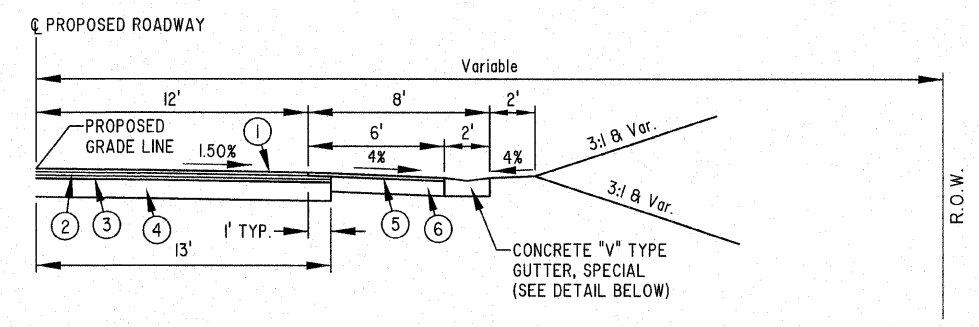
**TYPICAL SECTION - EVERGREEN AVENUE**

LT STA. 34+96.43 TO STA. 37+00.00  
LT STA. 38+76.00 TO STA. 41+12.40



**TYPICAL SECTION - EVERGREEN AVENUE**

RT STA. 33+50.00 TO STA. 37+88.65



**TYPICAL SECTION - EVERGREEN AVENUE**

RT STA. 38+76.00 TO STA. 41+12.40

STA. 32+63.87 TO STA. 41+12.40

	MILANO & GRUNLOH ENGINEERS, LLC	TYPICAL SECTIONS
	14 WEST WASHINGTON P.O. BOX 937 EFFINGHAM, ILLINOIS 62401	EVERGREEN AVENUE
	PHONE: (217) 347-7262 (800) 677-2714 FAX #: (217) 342-3433	COUNTY OF EFFINGHAM, ILLINOIS
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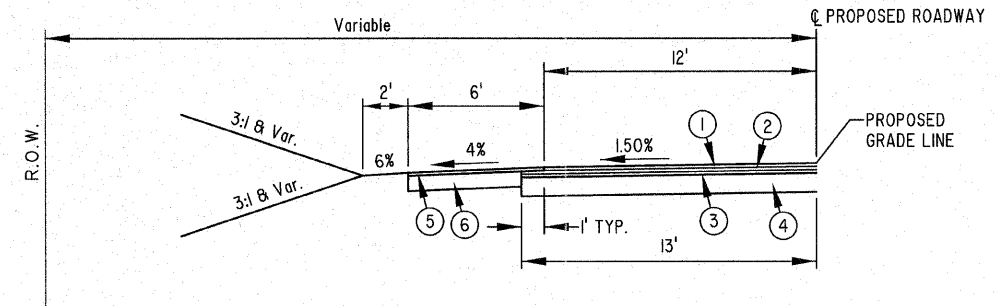
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 8390	04-00084-01-PV	EFFINGHAM	139	8
FED. ROAD DIST. NO. 7		ILLINOIS		

CONTRACT #95639

**PAVING LEGEND**

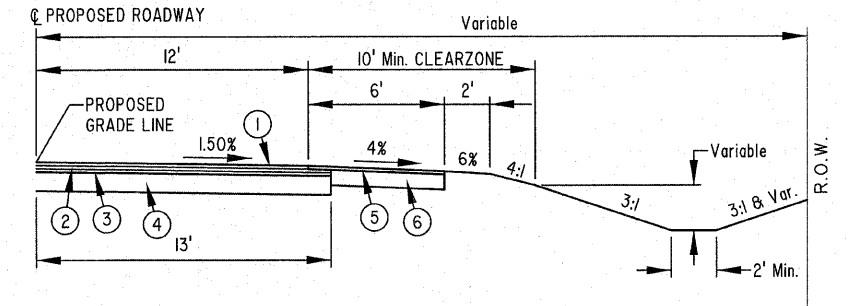
- ① HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N70, 1 3/4"
- ② HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 1 3/4"
- ③ HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 1 3/4"
- ④ 10" SOIL CEMENT BASE COURSE, CONSIST OF 5" AGGREGATE BASE COURSE, TYPE A AND 5" OF SOIL ALL MIXED WITH 12% CEMENT (BY VOLUME)
- ⑤ HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N70, 1 3/4"
- ⑥ AGGREGATE BASE COURSE, TYPE A, 8"

△ Revised 5-31-2011



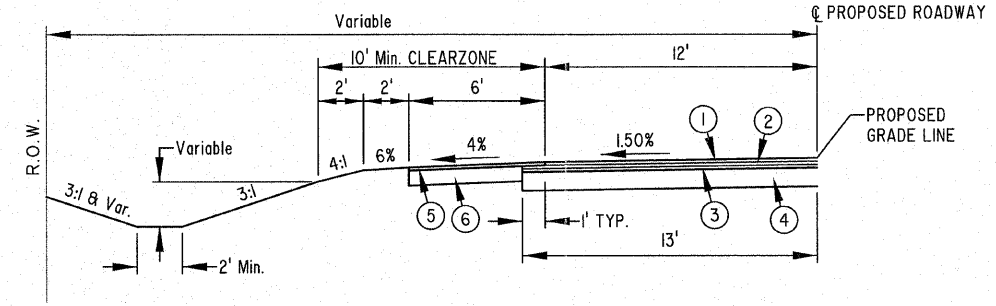
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LT STA. 41+12.40 TO STA. 49+75.00  
LT STA. 50+50.00 TO STA. 52+50.00



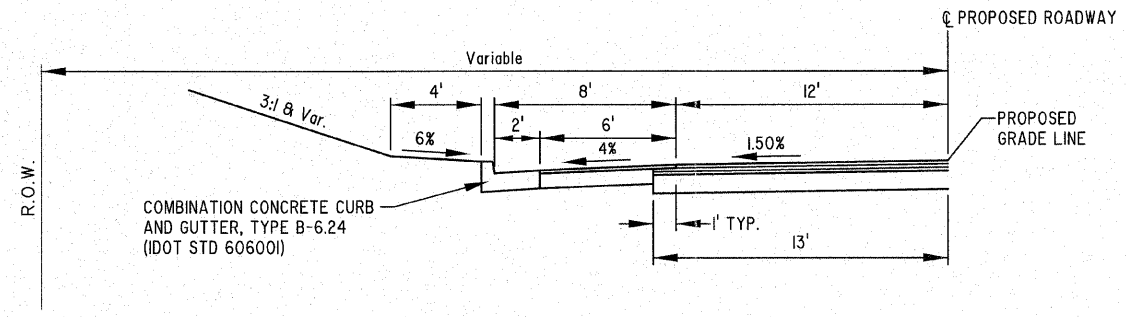
**TYPICAL SECTION - EVERGREEN AVENUE**

RT STA. 41+12.40 TO STA. 54+61.75



**TYPICAL SECTION - EVERGREEN AVENUE**

LT STA. 49+75.00 TO STA. 50+50.00



**TYPICAL SECTION - EVERGREEN AVENUE**

LT STA. 52+50.00 TO STA. 54+61.75

STA. 41+12.40 TO STA. 54+61.75

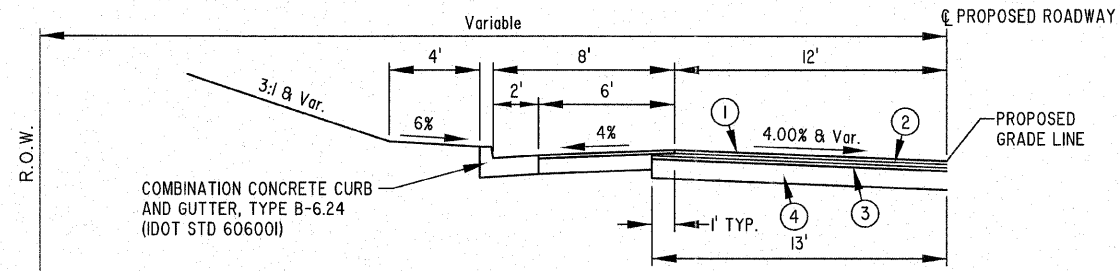
**MILANO & GRUNLOH ENGINEERS, LLC**  
 84 WEST WASHINGTON  
 P.O. BOX 897  
 EFFINGHAM, ILLINOIS 62401  
 PHONE: (217) 547-7262  
 (630) 677-2314  
 FAX #: (217) 542-3433

TYPICAL SECTIONS  
 EVERGREEN AVENUE  
 COUNTY OF EFFINGHAM, ILLINOIS

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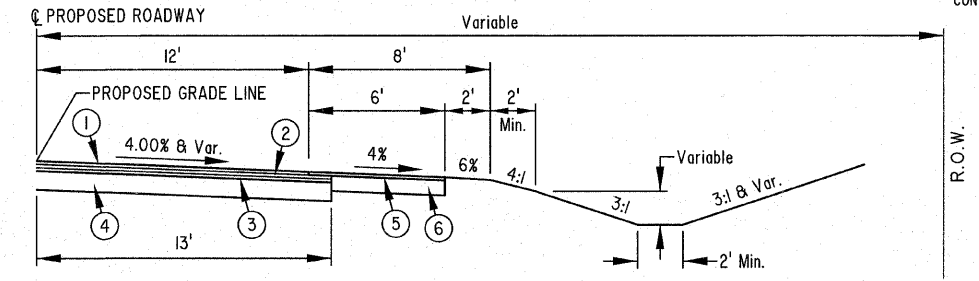
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 8390	04-00084-01-PV	EFFINGHAM	139	9
FED. ROAD DIST. NO. 7	ILLINOIS			

CONTRACT #95639



ATTAINMENT: STA 54+61.75 TO STA 55+75.75  
STA 63+27.47 TO STA 64+41.47

**TYPICAL SECTION - EVERGREEN AVENUE**  
LT STA. 54+61.75 TO STA. 64+41.47



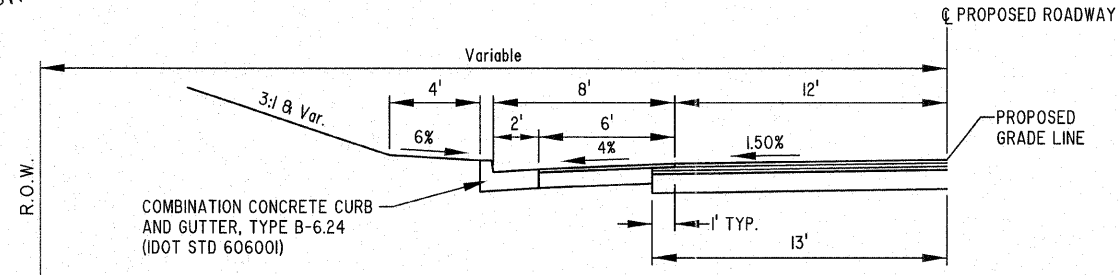
ATTAINMENT: STA 54+61.75 TO STA 55+75.75  
STA 63+27.47 TO STA 64+41.47

**TYPICAL SECTION - EVERGREEN AVENUE**  
RT STA. 54+61.75 TO STA. 56+50.00  
RT STA. 59+00.00 TO STA. 64+41.47

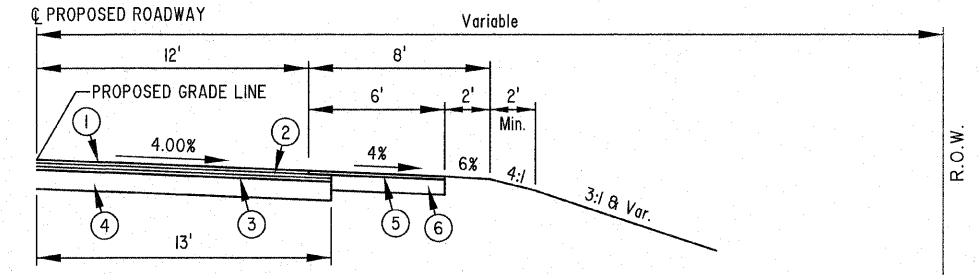
**PAVING LEGEND**

- ① HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N70, 1 3/4"
- ② HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 1 3/4"
- ③ HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 1 3/4"
- ④ 10" SOIL CEMENT BASE COURSE, CONSIST OF 5" AGGREGATE BASE COURSE, TYPE A AND 5" OF SOIL ALL MIXED WITH 12% CEMENT (BY VOLUME)
- ⑤ HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N70, 1 3/4"
- ⑥ AGGREGATE BASE COURSE, TYPE A, 8"

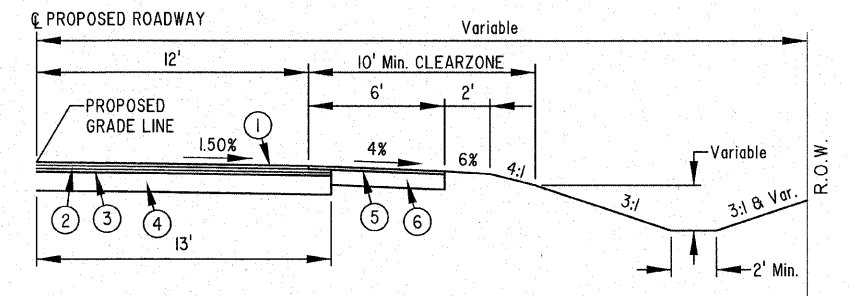
Revised 5-31-2011



**TYPICAL SECTION - EVERGREEN AVENUE**  
LT STA. 64+41.47 TO STA. 65+24.00



**TYPICAL SECTION - EVERGREEN AVENUE**  
RT STA. 56+50.00 TO STA. 59+00.00



**TYPICAL SECTION - EVERGREEN AVENUE**  
RT STA. 64+41.47 TO STA. 65+24.00

STA. 54+61.75 TO STA. 65+24.00

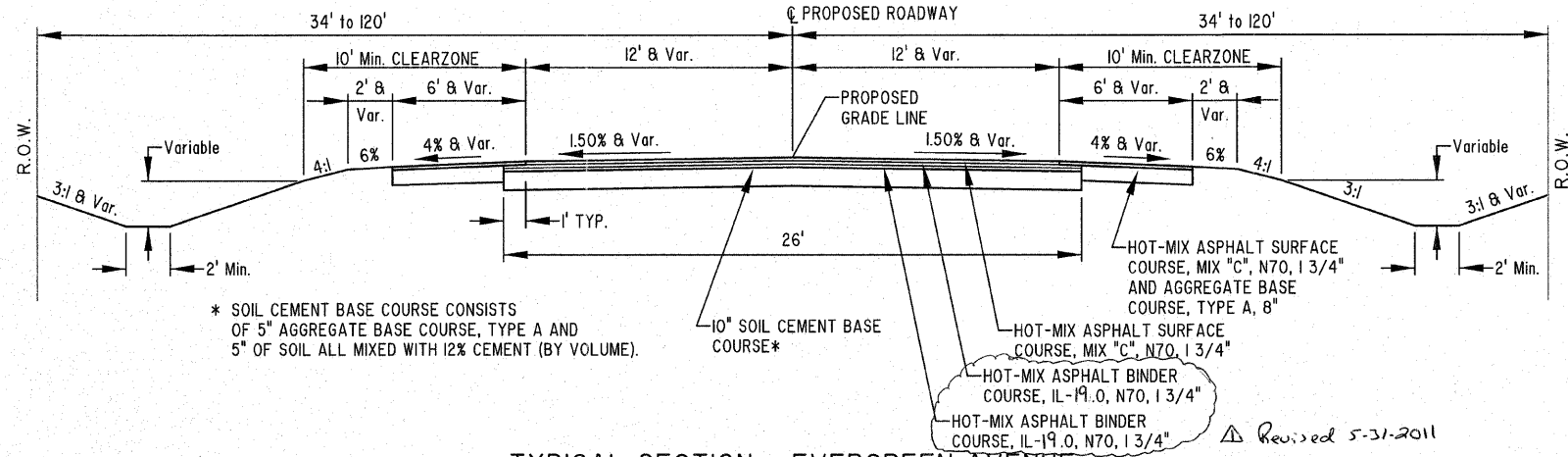
**MILANO & GRUNLOH ENGINEERS, LLC**  
14 WEST WASHINGTON  
P.O. BOX 997  
EFFINGHAM, ILLINOIS 62401  
PHONE: (217) 547-7262  
(800) 677-2714  
FAX #: (217) 542-3433

TYPICAL SECTIONS  
EVERGREEN AVENUE  
COUNTY OF EFFINGHAM, ILLINOIS

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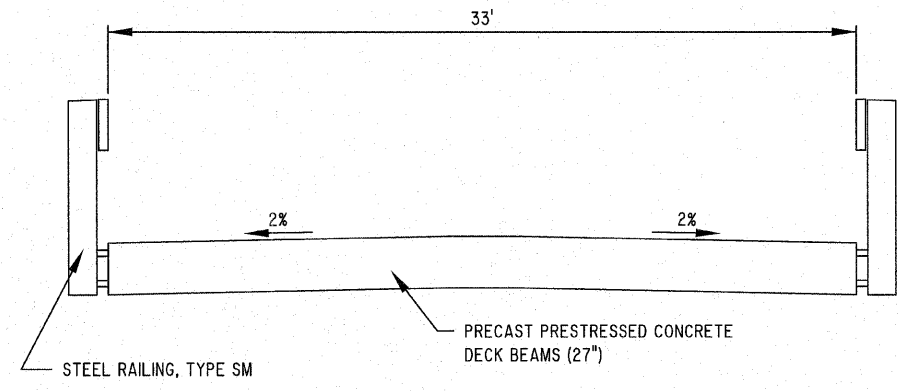
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 8390	04-00084-01-PV	EFFINGHAM	139	10
FED. ROAD DIST. NO. 7	ILLINOIS			

CONTRACT #95639



**TYPICAL SECTION - EVERGREEN AVENUE**

STA. 65+24.00 TO STA. 75+81.00  
 STA. 76+91.00 TO STA. 83+62.11



**TYPICAL SECTION - OVERFLOW STRUCTURE**

STA. 75+81.00 TO STA. 76+91.00  
 (SEE SHEETS 56 TO 62 FOR DETAILS)

STA. 65+24.00 TO STA. 83+62.11  
 BRIDGE OMISSION STA. 83+62.11 TO STA. 85+72.14

**MILANO & GRUNLOH ENGINEERS, LLC**  
 14 WEST WASHINGTON  
 P.O. BOX 897  
 EFFINGHAM, ILLINOIS 62401  
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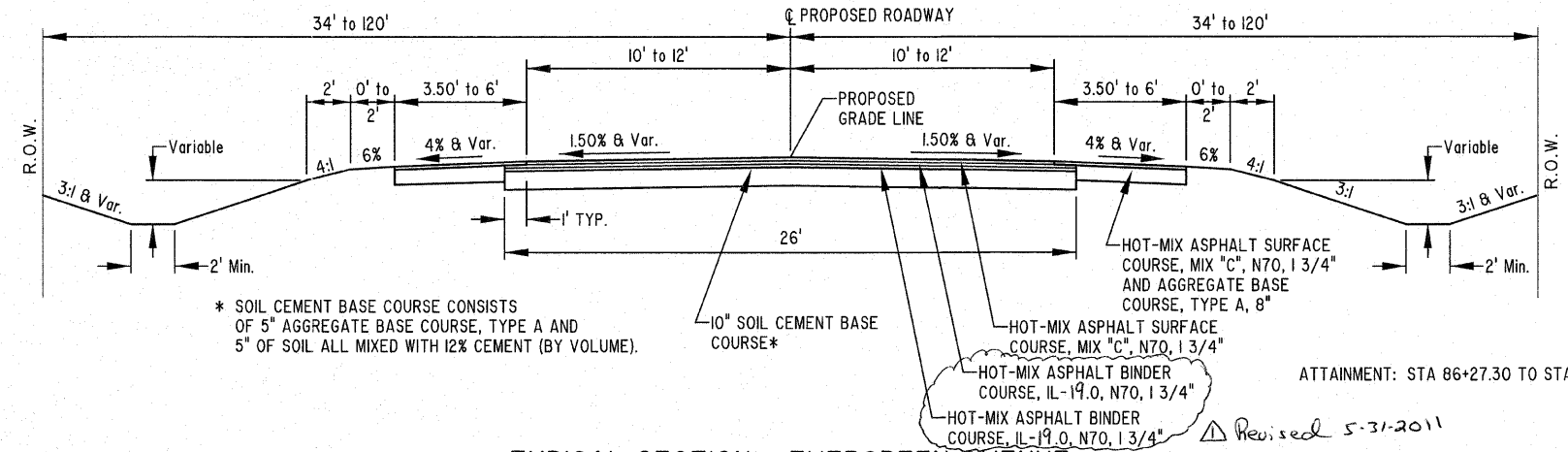
TYPICAL SECTIONS  
 EVERGREEN AVENUE  
 COUNTY OF EFFINGHAM, ILLINOIS

File name: S:\DWG\05\05227.dwg\Typical.dwg  
 Plot date: 02/08/11 at 16:00



ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 8390	04-00084-01-PV	EFFINGHAM	139	11
FED. ROAD DIST. NO. 7	ILLINOIS			

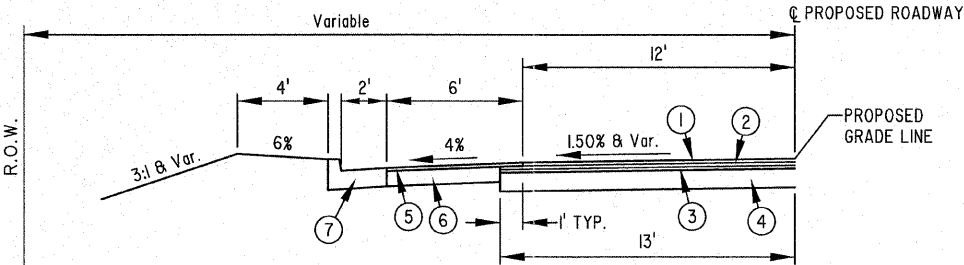
CONTRACT #95639



ATTAINMENT: STA 86+27.30 TO STA 87+41.30

**TYPICAL SECTION - EVERGREEN AVENUE**

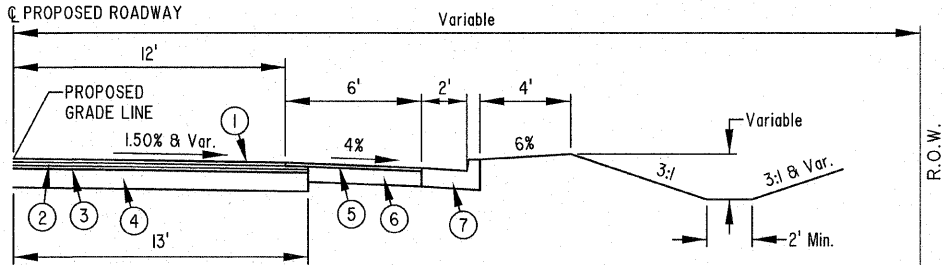
STA. 85+72.14 TO LT STA. 86+55.84



ATTAINMENT: STA 86+27.30 TO STA 87+41.30

**TYPICAL SECTION - EVERGREEN AVENUE**

LT STA. 86+55.84 TO STA. 87+12.80



ATTAINMENT: STA 86+27.30 TO STA 87+41.30

**TYPICAL SECTION - EVERGREEN AVENUE**

RT STA. 86+55.84 TO STA. 87+12.80

- PAVING LEGEND**
- ① HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N70, 1 3/4"
  - ② HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 1 3/4"
  - ③ HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 1 3/4"
  - ④ 10" SOIL CEMENT BASE COURSE, CONSIST OF 5" AGGREGATE BASE COURSE, TYPE A AND 5" OF SOIL ALL MIXED WITH 12% CEMENT (BY VOLUME)
  - ⑤ HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N70, 1 3/4"
  - ⑥ AGGREGATE BASE COURSE, TYPE A, 8"
  - ⑦ COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24

△ Revised 5-31-2011

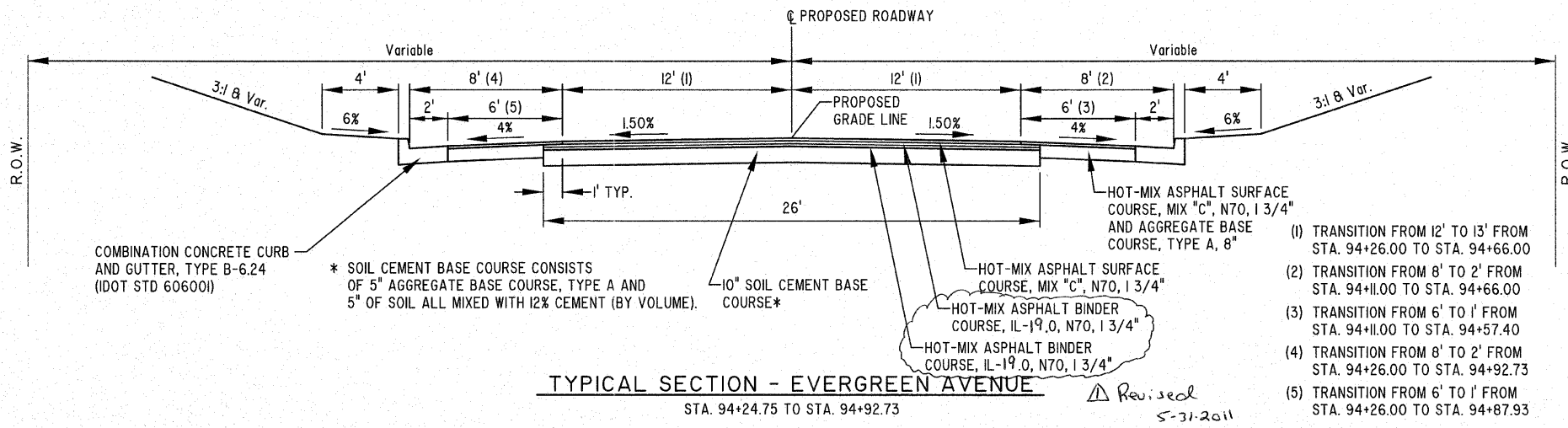
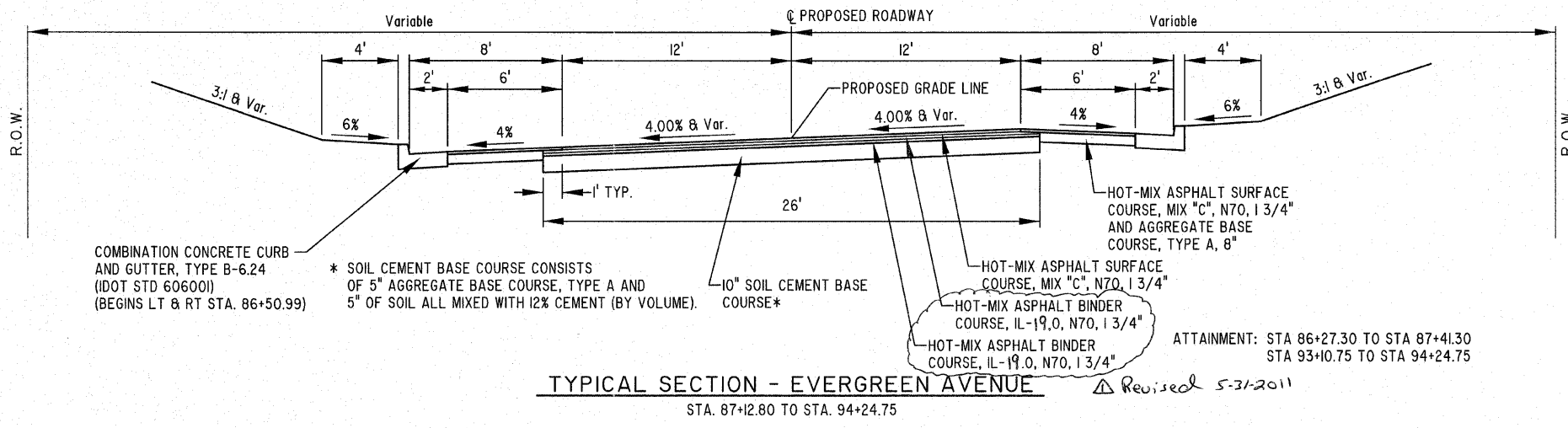
STA. 85+72.14 TO STA. 87+12.80

	MILANO & GRUNLOH ENGINEERS, LLC	TYPICAL SECTIONS
	84 WEST WASHINGTON P.O. BOX 997 EFFINGHAM, ILLINOIS 62401	EVERGREEN AVENUE
	PHONE: (217) 347-7262 (800) 677-2714	COUNTY OF EFFINGHAM, ILLINOIS
	FAX #: (217) 342-3453	
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ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 8390	04-00084-01-PV	EFFINGHAM	139	12
FED. ROAD DIST. NO. 7		ILLINOIS		

CONTRACT #95639



STA. 87+12.80 TO STA. 94+92.73

	MILANO & GRUNLOH ENGINEERS, LLC	TYPICAL SECTIONS
	84 WEST WASHINGTON P.O. BOX 837 EFFINGHAM, ILLINOIS 62401	EVERGREEN AVENUE
	PHONE: (217) 347-7262 (800) 577-2714	COUNTY OF EFFINGHAM, ILLINOIS
	FAX #: (217) 342-3433	
<small>File name: S:\DWG\05\05227.dwg\Typical.dwg Plot date: 02/08/11 16:00</small>		

**STAGE CONSTRUCTION**

Stage 1 - Sta. 68+00 to Sta. 99+40 - The work to be accomplished during Stage 1 shall include clearing, Earth Excavation Embankment, overflow structure, Calico Road and the lower Township Road Connection, Combination Concrete and Gutter, Drainage items, Shoulders, Aggregate Surface Course, Soil Cement, Hot-Mix Asphalt Binder and Surface Course and other miscellaneous work to complete this portion of the project.

Sta. 66+00 to Sta. 68+00 - The work to be accomplished during Stage 1 shall consist of clearing, Earth Excavation and Embankment utilizing all excess Earth Excavation from the area of the project between Sta. 68+00 and Sta. 99+40.

Stage 2 - Sta. 53+00 to Sta. 68+00 - The work to be included during Stage 2 shall include clearing, Earth Excavation, Furnished Excavation, Embankment, the upper Township Road connection, Combination Concrete Curb and Gutter, Drainage Items, Shoulders, Aggregate Surface, Course Soil Cement, Hot-Mix Asphalt Binder and Surface Course and other miscellaneous work to complete the project.

Stage 3 - Sta. 27+80 to Sta. 53+00

A. Sta. 33+43 - Remove existing R.C. Box Culvert. Replace with proposed 72" diameter reinforced concrete culvert.

B. Sta. 27+80 to Sta. 34+00 - Other Stage 3 work in this area shall consist of clearing, Earth Excavation, Furnished Excavation, Concrete Gutters and Aggregate Surface Course. This segment of the project shall be opened to local traffic after the Aggregate Surface Course has been placed.

C. Sta. 37+66 - After the above work has been completed remove the existing R.C. Box Culvert at this location and replace it with a 60" diameter reinforced concrete pipe.

D. Sta. 34+00 to Sta. 41+00 - This portion of Stage 3 shall commence after all of the above work has been complete. The work in this portion of Stage 3 shall consist of clearing, Earth Excavation, Furnished Excavation, Concrete Gutters, drainage items and Aggregate Surface Course.

E. Sta. 41+00 to Sta. 53+00 - This portion of Stage 3 shall commence after the work described above has been completed. The work to be performed in this area shall consist of all of the work necessary to complete the project between Sta. 41+00 and Sta. 53+00.

F. Sta. 27+80 to Sta. 41+00 - This phase of Stage 3 shall consist of all items not previously completed including, but not limited to Soil Cement, Concrete Gutters, drainage items, Hot-Mix Asphalt and Binder and Shoulder work.

WEST EVERGREEN AVENUE EFFINGHAM COUNTY PROPERTY OWNERS	
PARCEL NUMBER	OWNER
21	MARK & ELIZABETH SCHOTTMAN
22	RONALD ALTHOFF
23	CHARLES & STACIE SLAVENS
24	JUDITH FRENCH & DEBRA DUCKWORTH
25	DOROTHY E. NIEBRUGGE TRUST
26	ALAN L. & LINDA D. NIEBRUGGE
27	ALAN L. & LINDA D. NIEBRUGGE
28	KEITH & PATRICIA WILLENBORG
29	JOSEPH F. BRUMLEVE HEIRS
30	ALAN L. & LINDA D. NIEBRUGGE
31	ROBERT & PAULINE GOLDTRAP
32	GOLDTRAP HEIRS
33	GOLDTRAP HEIRS
34	VERNON KOESTER
35	ARG IDEAS
36	PAUL & MARY KOESTER
37	CITIZENS BANK TRUST #73-0071-01-6
38	LAKE SARA AREA WATER COOPERATIVE

TRAFFIC CONTROL STAGE CONSTRUCTION		PARCEL NUMBER																			
STAGE	STATION TO STATION	CONSTRUCTION OPERATIONS	TRAFFIC	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
1	68+00 99+40	ALL	T,L	W	W	W	W	W	W	W	W	X	X	X	X	X	X	X	X	X	X
2	53+00 68+00	ALL	L	W	W	W	W	W	W	W	E	E	E	E	E	E	E	E	E	E	E
3A	33+43	A.R. CULVERT	L	W	W	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
3B	27+80 34+00	B	L	W	W	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
3C	37+66	A.R. CULVERT	L	W	W	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
3D	34+00 41+00	B	L	W	W	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
3E	41+00 53+00	B,C,D	L	W	W	W	W	E	E	E	E	E	E	E	E	E	E	E	E	E	E
3F	27+80 41+00	C,D	L	W	W	B	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E

The contractor shall present a plan to the Engineer outlining the method of notifying adjacent owners or occupants of each change in operation which may impact public convenience or safety. This plan shall be presented in writing to the Engineer at the preconstruction conference and will be approved or revised by the Engineer, in writing, within seven (7) calendar days after receipt by the Engineer.

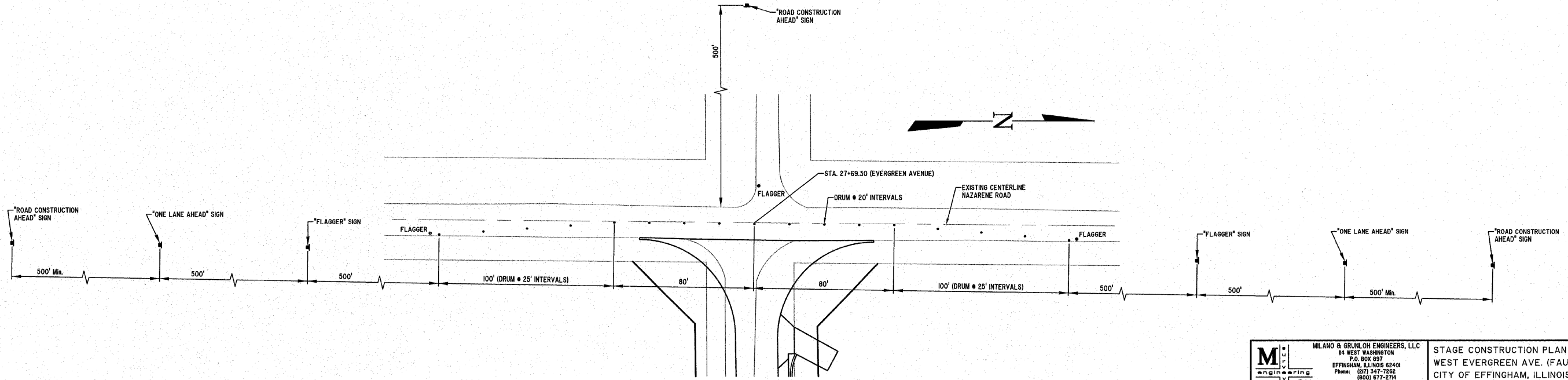
The cost of equipment, labor and materials to perform this work shall be included in the contract Lump Sum Price for TRAFFIC CONTROL AND PROTECTION (SPECIAL). This special provision supplements the requirements of Article 107.09. The conditions outlined in Article 107.09 shall remain in full force and effect.

*Revised 5-31-2011*

**LEGEND**  
Traffic Through-T Local-L  
Direction East- E West- W Both East and West- B Special Treatment- X

**CONSTRUCTION OPERATIONS**  
A Structure  
B Clearing, Grading Drainage items, Excavation, Embankment, Aggregate Surface Course, Type A for Soil Cement Sub-base Granular Material, Type A  
C Processing Soil Cement  
D Hot-Mix Asphalt Binder & Surface on Rural Section, P.C.C. Pavement & Concrete Curb & Gutter on City Section, all other miscellaneous work to complete project.

**STAGE I ACCESS**  
Parcels 29, 31, 32, 33, and 37 are unimproved properties. The use of these properties is agricultural in nature. Parcel 38 is owned by a public water supply co-operative and must be accessible at all times. Parcels 34 and 35 are residential and must be accessible at all times. The contractor shall furnish the Engineer a phasing schedule for Stage I, which provides adequate access to these properties throughout Stage I. The contractor shall co-operate with the Engineer by providing an updated schedule to provide local access for property owners as well as mail delivery, school buses, refuse collectors, emergency service agencies and utility companies.



**TRAFFIC CONTROL DETAIL - EVERGREEN AVENUE & NAZARENE ROAD**  
(CONFORM TO STANDARD 701336)

	<b>MILANO &amp; GRUNLOH ENGINEERS, LLC</b> 14 WEST WASHINGTON P.O. BOX 837 EFFINGHAM, ILLINOIS 62401 Phone: (217) 947-7262 (800) 677-2714 Fax #: (217) 942-3433 Web Address: www.mgengr.com Design Firm #: 184-00308	<b>STAGE CONSTRUCTION PLAN</b> WEST EVERGREEN AVE. (FAU 8390) CITY OF EFFINGHAM, ILLINOIS EFFINGHAM COUNTY, ILLINOIS SECTION 04-00084-01-PV
	File name: S:\DWG\05\08227.dwg\81eage Const.dwg Plot date: 02/09/11 at 15:40	