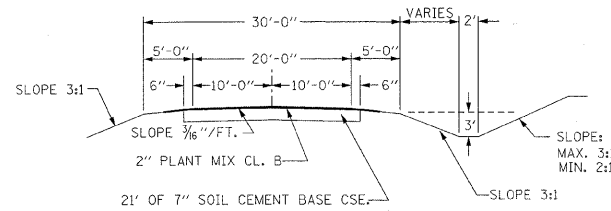


**TYPICAL CROSS SECTION**

**EXISTING**

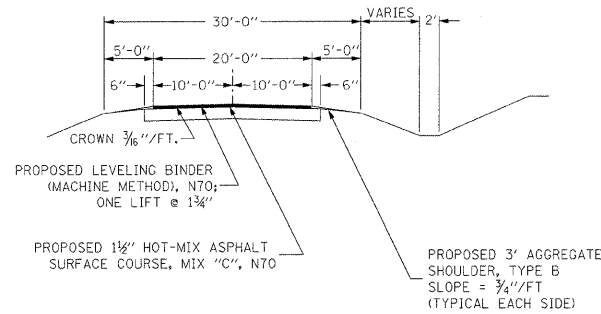
(STA. 0+00 TO STA. 83+00)



**TYPICAL CROSS SECTION**

**PROPOSED**

(STA. 0+00 TO STA. 83+00)



**GENERAL NOTES:**

THIS SECTION CONSISTS OF LEVELING BINDER (MACHINE METHOD), N70, AND HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N70, 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, 2007.

THE EXISTING GRADE, ALIGNMENT, DRAINAGE STRUCTURES, BASE AND SURFACE WERE CONSTRUCTED UNDER SECTIONS 33-10 AND 33-20, 89-00054-00-RS 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	-5.785 %
MINIMUM STOPPING SIGHT DISTANCE	525 FT
DESIGN SPEED	50 MPH
CURRENT ADT	1000 VPD
DESIGN ADT (20 YEAR)	1250 VPD

THE HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N70 SHALL BE PLACED IN ONE LIFT WITH A MINIMUM THICKNESS OF 1 1/2".

THE QUANTITY SHOWN IN THE SUMMARY OF QUANTITIES FOR HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N70 ALLOWS 202.1 TONS FOR THE INTERSECTIONS, SIDEROADS, AND TAPERS; 135.8 TONS FOR THE ENTRANCES; 80.1 TONS FOR THE MAILBOX TURNOUTS, AND 3196.9 TON FOR THE 1 1/2" HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N70.

THE FOLLOWING RATES HAVE BEEN USED TO CALCULATE PLAN QUANTITIES:

AGGREGATE SHOULDERS TY. B	1.8 T / CU YD
HOT-MIX ASPHALT	0.0560 T / SQ YD • INCH
BITUMINOUS MATERIAL (PRIME COAT)	0.05 GAL / SQ YD

**SUMMARY OF QUANTITIES**

QUANTITY	UNIT	ITEM	CODE NUMBER
2486.00	GALLON	BITUMINOUS MATERIALS (PRIME COAT)	40600100
5027.00	TON	LEVELING BINDER (MACHINE METHOD), N70	40600635
3615.00	TON	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N70	40603315
38058.00	SQ YD	AREA REFLECTIVE CRACK CONTROL TREATMENT	44300100
2601.00	TON	AGGREGATE SHOULDERS, TYPE B	48101200
10.00	FOOT	REMOVE AND RELAY PIPE CULVERTS 24"	54223459
1.00	L SUM	MOBILIZATION	67100100
1.00	L SUM	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	70100460
3445.00	FOOT	SHORT-TERM PAVEMENT MARKING	70300100
59588.00	FOOT	PAINT PAVEMENT MARKING-LINE 4"	78001110 *
217.00	EACH	RAISED REFLECTIVE PAVEMENT MARKER	78100100 *
1723.00	FOOT	SHORT-TERM PAVEMENT MARKING REMOVAL	XX003140

\* SPECIALTY ITEMS

323 W. 3RD ST.  
P.O. BOX 160  
MT. CARMEL, IL  
62863  
PHONE:  
(618)-262-8651  
FAX:  
(618)-263-3327

405 W. STATE ST.  
SUITE 1  
PRINCETON, IN  
47670  
PHONE:  
(812)-386-7611  
FAX:  
(812)-385-2812



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

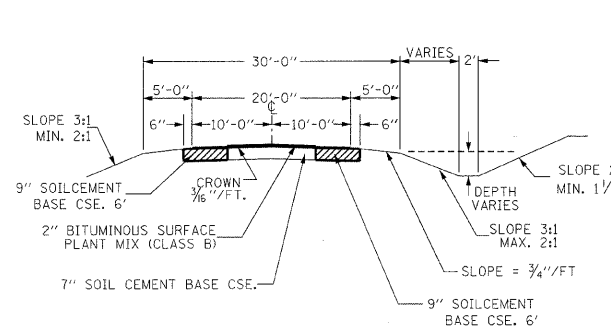


AARON M. MEFFORD  
NAME  
*Aaron Mefford*  
SIGNATURE  
7-31-09  
DATE  
11-30-09  
EXPIRES

**TYPICAL CROSS SECTION**

**EXISTING**

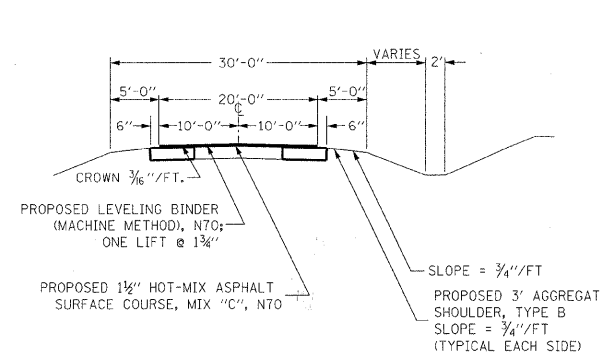
(STA. 83+00 TO STA. 171+33)



**TYPICAL CROSS SECTION**

**PROPOSED**

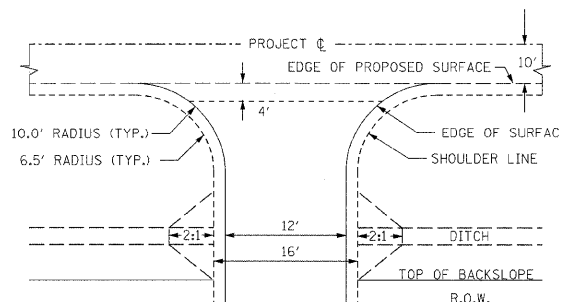
(STA. 83+00 TO STA. 171+33)



**SCHEDULE FOR SUPERELEVATION RATES**

CURVE #1	CURVE #2	CURVE #3	CURVE #4	CURVE #5	CURVE #6	CURVE #7
TANGENT RUNOFF BEGINS STA. 25+28.26	TANGENT RUNOFF BEGINS STA. 37+66.24	TANGENT RUNOFF BEGINS STA. 48+62.36	TANGENT RUNOFF BEGINS STA. 65+15.24	TANGENT RUNOFF BEGINS STA. 80+17.51	TANGENT RUNOFF BEGINS STA. 89+70.60	TANGENT RUNOFF BEGINS STA. 167+16.66
S.E. RUNOFF BEGINS STA. 25+61.26	S.E. RUNOFF BEGINS STA. 37+99.24	S.E. RUNOFF BEGINS STA. 48+95.36	S.E. RUNOFF BEGINS STA. 65+48.24	S.E. RUNOFF BEGINS STA. 80+50.51	S.E. RUNOFF BEGINS STA. 90+03.60	S.E. RUNOFF BEGINS STA. 167+38.66
FULL S.E. BEGINS STA. 27+37.26	FULL S.E. BEGINS STA. 38+32.24	FULL S.E. BEGINS STA. 27+37.26	FULL S.E. BEGINS STA. 66+36.24	FULL S.E. BEGINS STA. 81+71.51	FULL S.E. BEGINS STA. 91+79.60	FULL S.E. BEGINS STA. 167+60.66
FULL S.E. ENDS STA. 30+42.70	FULL S.E. ENDS STA. 43+66.49	FULL S.E. ENDS STA. 30+42.70	FULL S.E. ENDS STA. 70+92.58	FULL S.E. ENDS STA. 86+23.07	FULL S.E. ENDS STA. 97+32.26	FULL S.E. ENDS STA. 170+42.66
S.E. RUNOFF ENDS STA. 32+51.70	S.E. RUNOFF ENDS STA. 43+99.49	S.E. RUNOFF ENDS STA. 32+51.70	S.E. RUNOFF ENDS STA. 71+80.58	S.E. RUNOFF ENDS STA. 87+44.07	S.E. RUNOFF ENDS STA. 99+08.26	S.E. RUNOFF ENDS STA. 170+45.66
TANGENT RUNOFF ENDS STA. 32+51.70	TANGENT RUNOFF ENDS STA. 44+32.49	TANGENT RUNOFF ENDS STA. 32+51.70	TANGENT RUNOFF ENDS STA. 72+13.58	TANGENT RUNOFF ENDS STA. 87+77.07	TANGENT RUNOFF ENDS STA. 99+41.26	TANGENT RUNOFF ENDS STA. 170+86.66
S.E. RATE = 0.080 FT / FT	S.E. RATE = 0.016 FT / FT	S.E. RATE = 0.025 FT / FT	S.E. RATE = 0.040 FT / FT	S.E. RATE = 0.055 FT / FT	S.E. RATE = 0.008 FT / FT	S.E. RATE = 0.020 FT / FT

**DETAIL OF PRIVATE AND FIELD ENTRANCES**



NOTE: THE 4' AREA FROM THE EDGE OF SURFACE, AS SHOWN ABOVE, SHALL BE HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N70 FOR THE PRIVATE ENTRANCES AND THE FIELD ENTRANCES. THIS QUANTITY IS INCLUDED IN THE QUANTITY FOR HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N70.

**UTILITIES**

MT. CARMEL PUBLIC UTILITY 316 MARKET STREET MT. CARMEL, IL 62863 618-262-5151	NORRIS ELECTRIC COOP. RT. 130 SOUTH NEWTON, IL 62448 618-299-6101	RURAL WABASH WATER DISTRICT P.O. BOX 55 LANCASTER, IL 62855 618-665-3311	VERIZON TELEPHONE CO. 225 EAST CHESTNUT ONLEY, IL 62450 618-395-6181	JULI.E. 800-892-0123
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