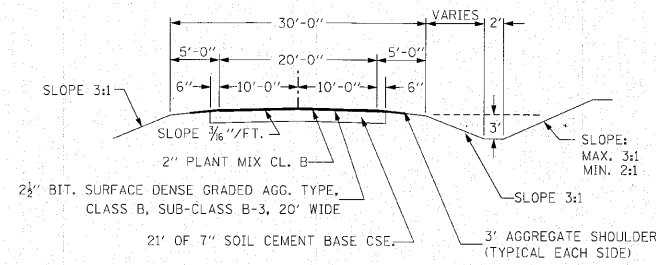
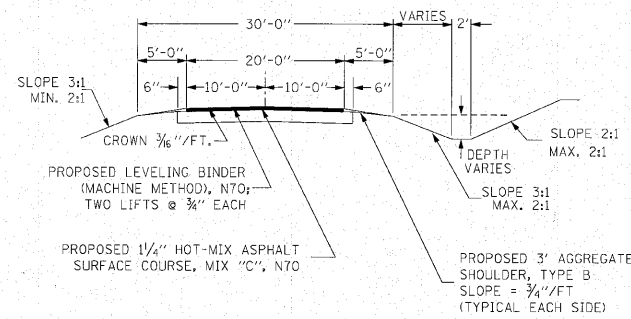


TYPICAL CROSS SECTION EXISTING



TYPICAL CROSS SECTION PROPOSED



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 270, 87-00053-00-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	+3.00 %
MINIMUM STOPPING SIGHT DISTANCE	425 FT
DESIGN SPEED	50 MPH
CURRENT ADT	600 VPD
DESIGN ADT (20 YEAR)	700 VPD

THE HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N70 SHALL BE PLACED IN ONE LIFT WITH A MINIMUM THICKNESS OF 1 1/4".

THE QUANTITY SHOWN IN THE SUMMARY OF QUANTITIES FOR HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N70 ALLOWS 142.6 TON FOR THE INTERSECTIONS, SIDEROADS, AND TAPERS; 95.1 TON FOR THE ENTRANCES; 28.4 TON FOR THE MAILBOX TURNOUTS, AND 245.1 TON FOR THE 1 1/4" 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
AGGREGATE PRIME COAT	0.001 T / SQ YD
BITUMINOUS MATERIAL (PRIME COAT)	0.05 GAL / SQ YD

SHORT-TERM PAVEMENT MARKINGS SHALL BE PAINTED ON MILLED SURFACES AND TAPED ON LEVEL BINDER AND HOT-MIX SURFACE.

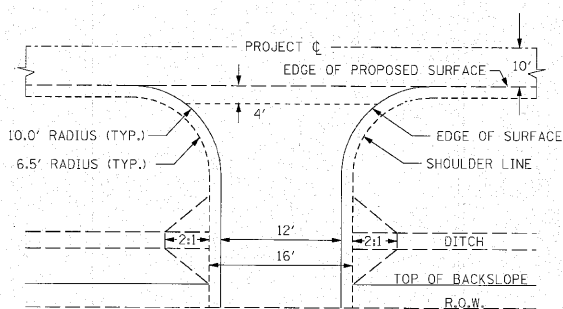
THE QUANTITY SHOWN IN THE SUMMARY OF QUANTITIES FOR GRADING AND SHAPING DITCHES ALLOWS 150 FOOT AT EACH END OF ALL PIPES TO BE REMOVED & RELAY AT STATIONS SHOWN IN SCHEDULE OF REMOVE & RELAY PIPE CULVERTS.

SUMMARY OF QUANTITIES

QUANTITY	UNIT	ITEM	CODE NUMBER
150.00	FOOT	GRADING AND SHAPING DITCHES	21400100
1796.00	GALLON	BITUMINOUS MATERIALS (PRIME COAT)	40600100
3685.00	TON	LEVELING BINDER (MACHINE METHOD), N70	40600635
2717.00	TON	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N70	40603315
1787.00	TON	AGGREGATE SHOULDERS, TYPE B	48101200
18.00	FOOT	PIPE CULVERT REMOVAL (SPECIAL)	X501522S
4.00	FOOT	PIPE CULVERTS, SPECIAL 24"	54205059
14.00	FOOT	PIPE CULVERTS, SPECIAL 30"	54205065
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
4740.00	FOOT	SHORT-TERM PAVEMENT MARKING	70300100
42248.00	FOOT	PAINT PAVEMENT MARKING-LINE 4"	78001110 *
198.00	EACH	RAISED REFLECTIVE PAVEMENT MARKER	78100100 *
1580.00	FOOT	SHORT-TERM PAVEMENT MARKING REMOVAL	XX003140

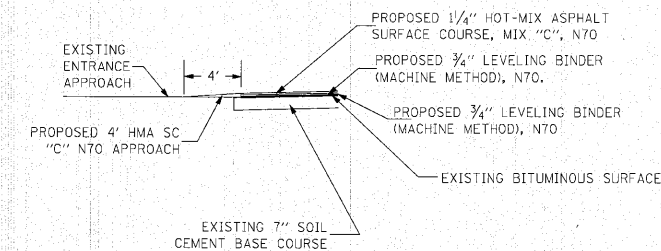
*SPECIALTY ITEMS

DETAIL OF PRIVATE AND FIELD ENTRANCES

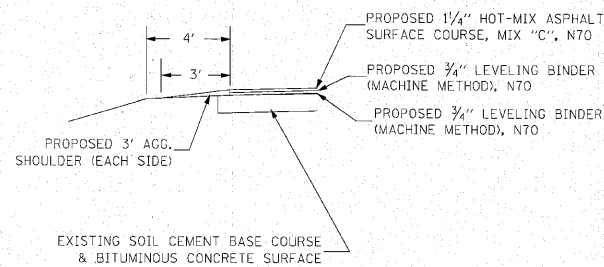


NOTE: THE 4' AREA FROM THE EDGE OF SURFACE, AS SHOWN ABOVE, SHALL BE HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N70 FOR THE PRIVATE ENTRANCES AND THE FIELD ENTRANCES. THIS QUANTITY IS INCLUDED IN THE QUANTITY FOR HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N70.

PRIVATE & FIELD ENTRANCE APPROACH DETAIL



AGGREGATE SHOULDER DETAIL



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

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

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 47570
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
SIGNATURE
DATE
10-20-10
EXPIRES
11-30-11

