

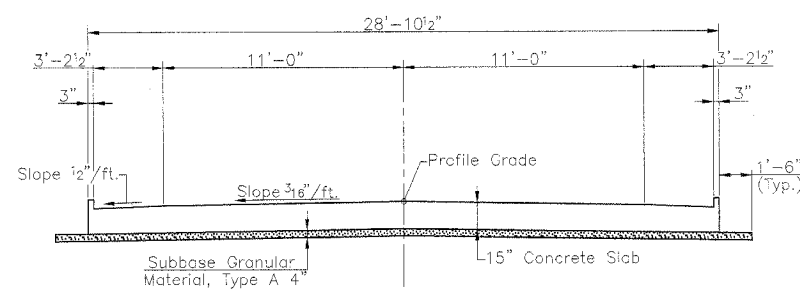
RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
C.H. 11	*	MENARD	44	2
PROJECT SR-565(110)				
* 98-00047-00-RS				

SUMMARY OF QUANTITIES

Item	Unit	Quantity
20100500	Tree Removal, Acres	0.2
20200100	Earth Excavation	Cu. Yd. 6448
20300100	Channel Excavation	Cu. Yd. 156
20400800	Furnished Excavation	Cu. Yd. 6425
20700110	Porous Granular Embankment	Ton 74
20900110	Porous Granular Backfill	Cu. Yd. 873
25001000	Seeding, Class 2 (Special)	Acres 7.8
25101005	Heavy Duty Excelsior Blanket	Sq. Yd. 300
28000300	Temporary Ditch Checks	Each 72
28000400	Perimeter Erosion Barrier	Foot 17645
28000600	Seeding, Class 7	Acres 7.8
28102600	Stone Riprap Ditch	Ton 335
31100300	Subbase Granular Material, Type A 4"	Sq. Yd. 6059
40600200	Bituminous Materials (Prime Coat)	Ton 4
40600895	Constructing Test Strip	Each 1
40600980	Bituminous Surface Removal - Butt Joint	Sq. Yd. 167
42000301	Portland Cement Concrete Pavement 8" (Jointed)	Sq. Yd. 5593
42001165	Bridge Approach Pavement	Sq. Yd. 193
42001420	Bridge Approach Pavement Connector (P.C.C.)	Sq. Yd. 21
42001430	Bridge Approach Pavement Connector (Flexible)	Sq. Yd. 21
42300400	Portland Cement Concrete Driveway Pavement 8 inch	Sq. Yd. 339
44000100	Pavement Removal	Sq. Yd. 5783
48100100	Aggregate Shoulders, Type A	Ton 4182
48202400	Bituminous Shoulders, Superpave 6"	Sq. Yd. 126
48202800	Bituminous Shoulders, Superpave 10"	Sq. Yd. 182
50100300	Removal of Existing Structures No. 1	Each 1
50100400	Removal of Existing Structures No. 2	Each 1
50100500	Removal of Existing Structures No. 3	Each 1
50100600	Removal of Existing Structures No. 4	Each 1
50102400	Concrete Removal	Cu. Yd. 1.4
50900205	Steel Railing, Type S1	Foot 64
54020502	Precast Concrete Box Culverts 5'x2' (M273)	Foot 38
54020707	Precast Concrete Box Culverts 7'x7' (M273)	Foot 46
54021004	Precast Concrete Box Culverts 10'x4' (M273)	Foot 40
54021005	Precast Concrete Box Culverts 10'x5' (M273)	Foot 58
54001001	Box Culvert End Sections, Culvert No. 1	Each 2
54001002	Box Culvert End Sections, Culvert No. 2	Each 2
54001003	Box Culvert End Sections, Culvert No. 3	Each 2
54001004	Box Culvert End Sections, Culvert No. 4	Each 2
54215424	Cast-In-Place Reinforced Concrete End Sections 24"	Each 16
542D0220	Pipe Culverts, Class D, Type 1 15"	Foot 608
542D0229	Pipe Culverts, Class D, Type 1 24"	Foot 320
542D1069	Pipe Culverts, Class D, Type 2 24"	Foot 160
60244100	Inlets, Special, With Type 8 Grate	Each 1
60600095	Class SI Concrete (Outlet)	Cu. Yd. 5.7
60602800	Concrete Gutter Type B	Foot 227
63000000	Steel Plate Beam Guardrail, Type A	Foot 50
63100075	Traffic Barrier Terminal, Type 5A	Each 4
LR631020	Traffic Barrier Terminal, Type 1	Each 2
63100167	Traffic Barrier Terminal, Type 1 Special (Tangent)	Each 2
63100169	Traffic Barrier Terminal, Type 1 Special (Flared)	Each 2
66503500	Barbed Wire Fence To Be Removed and Re-Erected	Foot 95
66600105	Furnishing and Erecting Right-of-Way Markers	Each 35
67000500	Engineers Field Office, Type B	Col. Mo. 7
70101700	Traffic Control and Protection	L. Sum 1
70300100	Short-Term Pavement Marking	Foot 4444
70300200	Temporary Pavement Marking	Foot 44245
70301000	Work Zone Pavement Marking Removal	Sq. Ft. 15143
78001110	Paint Pavement Marking-Line 4"	Foot 44245
78201000	Terminal Marker - Direct Applied	Each 6
X3550400	Bituminous Base Course Superpave 7"	Sq. Yd. 3829
X3560140	Bituminous Concrete Base Course Widening Superpave 10 Inch	Sq. Yd. 140
X4021000	Temporary Access (Private Entrance)	Each 1
X4066614	Bituminous Concrete Binder Course, Superpave, IL-19.0 N50	Ton 12199
X4066414	Bituminous Concrete Surface Course, Superpave Mix C, N50	Ton 3122
Z0013798	Construction Layout	L. Sum 1
Z0048665	Railroad Protective Liability Insurance	L. Sum 1
Z0054500	Rock Fill	Ton 476

* See Special Provisions Construction Type Code: 1000
Except Items (1) : J000

SUMMARY OF QUANTITIES, SCHEDULES AND TYPICAL SECTIONS
F.A.S. 565 - QUARRY ROAD (C.H. 11)
SECTION 98-00047-00-RS
MENARD COUNTY



PROPOSED CROSS SECTION
(Sta. 28+17.75 to Sta. 28+47.75 & Sta. 28+79.75 to Sta. 29+09.75)

FLEXIBLE PAVEMENT DESIGN - 80000# DESIGN LOAD (RECONSTRUCTION)
Structural Design Traffic (S.D.T.): Year 2013: P.V.=263, S.U.=203, M.U.=103
Class III Road
Minimum Soil Support: I.B.R. = 3.0
Percent of S.D.T. in Design Lane: P=50% S=50% M=50%
T.F.=1.3(Per I.D.O.T.) Dt=4.24
Pavement Structural Material:
Typical Proposed Roadway Cross Section:
Proposed Bit. Conc. Binder & Surface Course 6.0" x Coeff. 0.40 = 2.40
Proposed Bituminous Base Course (Min. M.S. 1500) 7.0" x Coeff. 0.30 = 2.10
Total Dt = 4.50

RIGID PAVEMENT DESIGN - 80000# DESIGN LOAD
Structural Design Traffic (S.D.T.): Year 2013: P.V.=451, S.U.=310, M.U.=274
Class III Road
Subgrade Support Rating: Fair
Percent of S.D.T. in Design Lane: P=50% S=50% M=50%
T.F.=1.94
Pavement Structural Material:
Typical Proposed Roadway Cross Section:
Proposed 8" Non-Reinforced P.C.C. Pavement @ 15' Joint Spacing (w/o Dowels)
Proposed 4" Aggregate Type A Subbase

BITUMINOUS MIXTURE REQUIREMENTS

Mixture Use	Surface Course	Binder Course
AC/PG	PG64-22	PG64-22
RAP % (MAX.)	15	20
Design Air Voids (Gradation Mixture)	4% @ Ndes = 50	4% @ Ndes = 50
	Mixture C	IL-19.0

COMPUTATION RATES USED TO ESTABLISH PLAN QUANTITIES

Bituminous Material (Prime)	0.00038 Ton/Sq. Yd.
Bituminous Surface	112.0 Lbs./inch/Sq. Yd.
Aggregate Shoulders	2.05 Tons/Cu. Yd.
Mulch	2 Ton/Acre
Earthwork	25% Shrinkage

GENERAL NOTES

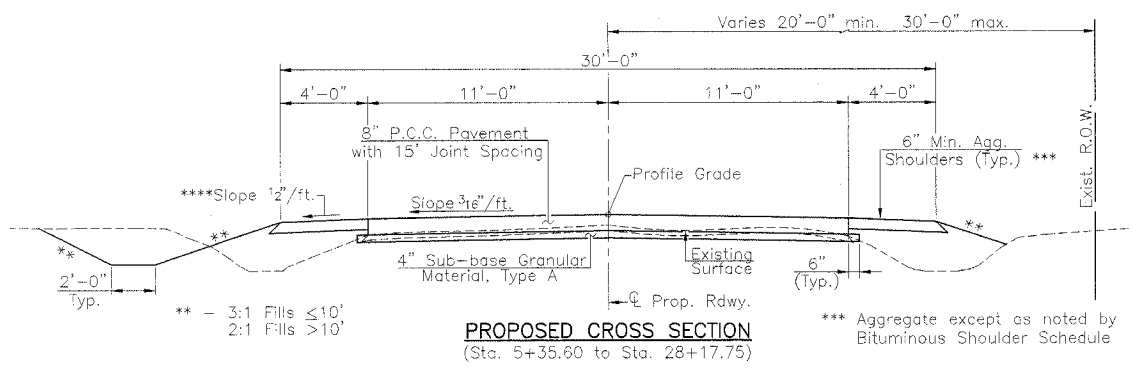
Where section or sub-section markers are encountered the Engineer shall be notified before such monuments are removed or covered up. The contractor shall protect and carefully preserve all monuments until an authorized surveyor or agent has witnessed or otherwise referenced their locations.

The nominal thickness for base and surface courses are shown on the typical sections, standards, schedules or special details. The constructed thickness of the above items shall not be less than 90 percent of the nominal thickness at any location. The thickness of the bituminous mixture shown on the plans is the nominal thickness. Deviations from the nominal thickness will be permitted when such deviations occur due to irregularities in the existing surface or base on which the bituminous mixture is placed.

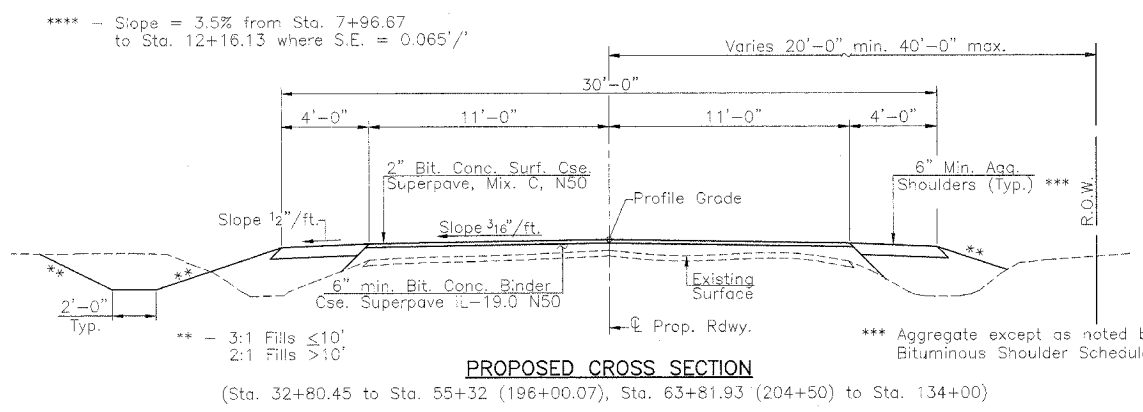
Areas to be seeded shall consist of all disturbed earth surfaces within the right-of-way as directed by the Engineer. It shall be the Contractor's responsibility to determine the actual location of all underground utility facilities. He shall also obtain from the respective facilities and the working schedules of the utility companies for their marking of the exact location.

Trees not scheduled for removal shall be preserved throughout this section as shown on the plans and as directed by the Engineer.

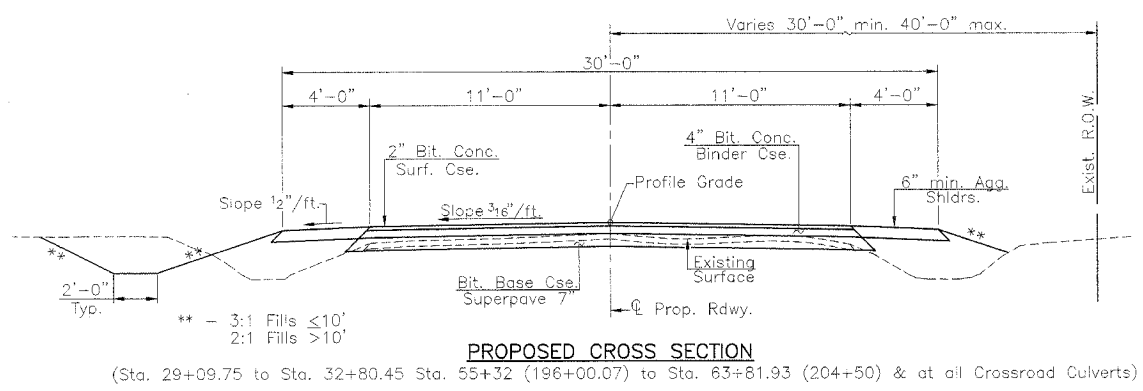
Mailboxes shall remain in service at all times and shall be relocated as necessary during construction. Final location of mailbox shall be determined by the Engineer but should be as near as practical to its original location and placed at the edge of the aggregate shoulder.



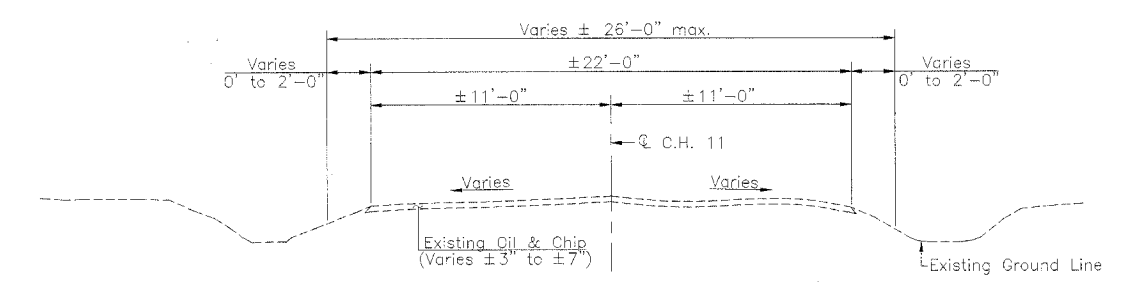
PROPOSED CROSS SECTION
(Sta. 5+35.60 to Sta. 28+17.75)



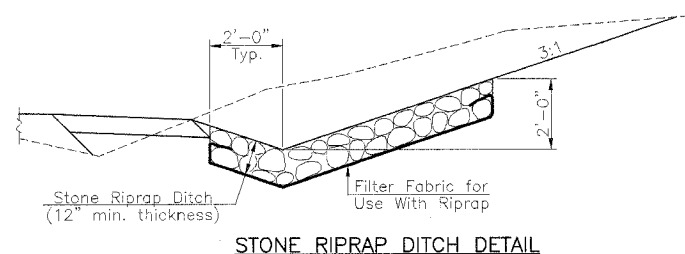
PROPOSED CROSS SECTION
(Sta. 32+80.45 to Sta. 55+32 (196+00.07), Sta. 63+81.93 (204+50) to Sta. 134+00)



PROPOSED CROSS SECTION
(Sta. 29+09.75 to Sta. 32+80.45 Sta. 55+32 (196+00.07) to Sta. 63+81.93 (204+50) & at all Crossroad Culverts)



EXISTING CROSS SECTION
(Sta. 5+37.18 to Sta. 134+00)



STONE RIPRAP DITCH DETAIL

FILE NAME: MCH250 (REV. 10/12/04)