

SUMMARY OF QUANTITIES

NUMBER	ITEM	UNIT	QUANTITY
20200100	EARTH EXCAVATION	CU YD	258
20300100	CHANNEL EXCAVATION	CU YD	521
20700110	POROUS GRANULAR EMBANKMENT	TON	62
25001000	SEEDING, CLASS 2 (SPECIAL)	ACRE	0.2
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	36
28000305	TEMPORARY DITCH CHECKS	FOOT	40
28000400	PERIMETER EROSION BARRIER	FOOT	1,150
28000500	INLET AND PIPE PROTECTION	EACH	2
28100209	STONE RIPRAP, CLASS A5	TON	267
28100809	STONE DUMPED RIPRAP, CLASS A5	TON	50
28200200	FILTER FABRIC	SQ YD	265
35501450	HOT-MIX ASPHALT BASE COURSE	TON	11
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	236
40600982	HOT-MIX ASPHALT SURFACE REMOVAL-BUTT JOINT	SQ YD	196
40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	208
40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	109
44000100	PAVEMENT REMOVAL	SQ YD	133
48101200	AGGREGATE SHOULDERS, TYPE B	TON	195
50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1
50200100	STRUCTURE EXCAVATION	CU YD	17
50300225	CONCRETE STRUCTURES	CU YD	33.2
50300255	CONCRETE SUPERSTRUCTURE	CU YD	95.4
50300260	BRIDGE DECK GROOVING	SQ YD	211
50300280	CONCRETE ENCASEMENT	CU YD	20.0
50300300	PROTECTIVE COAT	SQ YD	256
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	29,870
51201400	FURNISHING STEEL PILES, HP10X42	FOOT	752
51202305	DRIVING PILES	FOOT	752
51203400	TEST PILE STEEL HP10X42	EACH	2
51500100	NAME PLATES	EACH	1
54200220	PIPE CULVERTS, CLASS D, TYPE 1 15"	FOOT	94
63100087	TRAFFIC BARRIER TERMINAL, TYPE 6A	EACH	2
63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	2
63200310	GUARDRAIL REMOVAL	FOOT	208
67100100	MOBILIZATION	L SUM	1
70101830	TRAFFIC CONTROL AND PROTECTION, STANDARD BLR 21	L SUM	1
78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	4
X5020501	UNDERWATER STRUCTURE EXCAVATION PROTECTION - LOCATION 1	EACH	1
X5020502	UNDERWATER STRUCTURE EXCAVATION PROTECTION - LOCATION 2	EACH	1
XX006199	STEEL BRIDGE RAIL, TYPE SM (SPECIAL)	FOOT	136

*SEE SPECIAL PROVISIONS Δ SPECIALTY ITEMS

GENERAL NOTES

WHERE SECTION OR SUBSECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL PROPERTY MARKS AND MONUMENTS UNTIL THE OWNER, AND AUTHORIZED SURVEYOR OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION.

R.A.P. WILL NOT BE ALLOWED IN AGGREGATE SHOULDERS.

THE AREA TO BE SEEDING SHALL CONSIST OF ALL DISTURBED EARTH SURFACES WITHIN THE RIGHT OF WAY, AS DIRECTED BY THE ENGINEER.

SEEDING, CLASS 2 (SPECIAL) = 0.2 ACRE

PAVEMENT DESIGN

STRUCTURAL DESIGN TRAFFIC (S.D.T.) : YEAR 2020; P.V. = 546, S.U. = 43, M.U. = 31 CLASS III ROAD

MINIMUM SOIL SUPPORT: I.B.R. = 3.0 (ASSUMED) (> 3 k.s.f.)

PERCENT OF S.D.T. IN DESIGN LANE P = 50%, S = 50%, M = 50% T.F. = 0.167

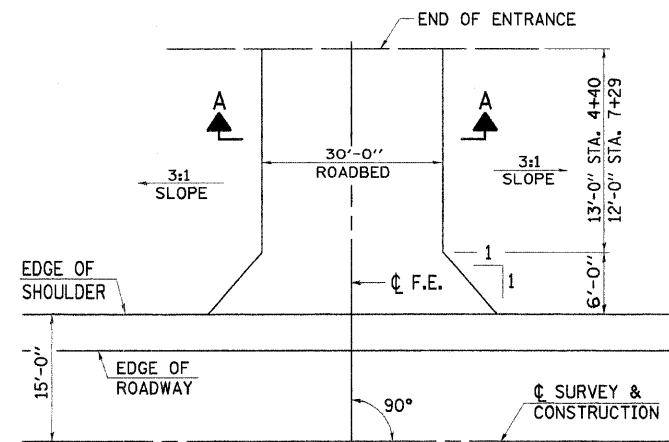
TEMP. = 75° F.; E_{ac} = 675; DESIGN STRAIN = 245

TEMPORARY DITCH CHECKS

LT. STA. 5+00 = 20 FOOT
 LT. STA. 6+00 = 20 FOOT
 TOTAL = 40 FOOT

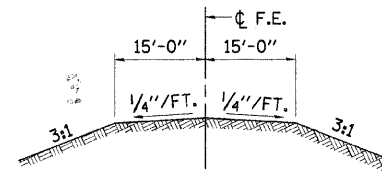
INLET AND PIPE PROTECTION

LT. STA. 4+16 = 1 EACH
 LT. STA. 7+52 = 1 EACH
 TOTAL = 2 EACH

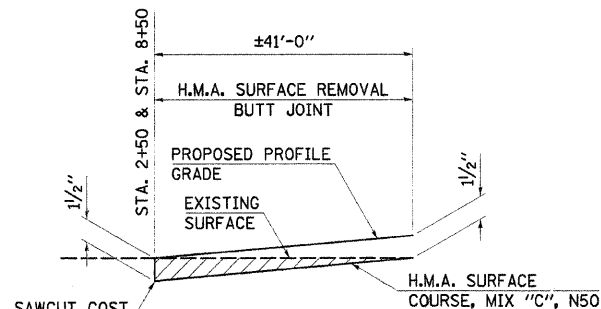


FIELD ENTRANCE DETAIL

F.E. LT. STA. 4+40
 F.E. LT. STA. 7+29



SECTION A-A



BUTT JOINT DETAILS

STA. 2+50 TO STA. 2+91 AND
 STA. 8+09 TO STA. 8+50

TEMPORARY EROSION CONTROL

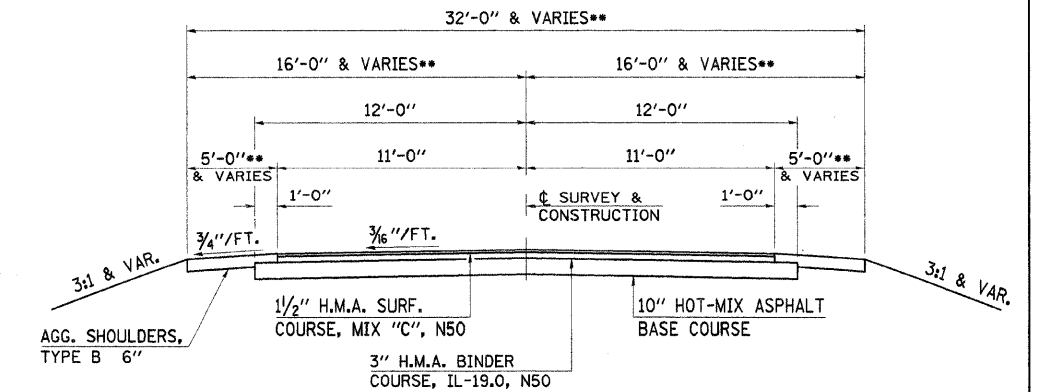
THE FOLLOWING QUANTITIES ARE ESTIMATE ONLY. ACTUAL QUANTITIES FOR EROSION CONTROL WILL BE DETERMINED BY THE ENGINEER IN THE FIELD AND THERE WILL BE NO ADJUSTMENT IN ANY PRICE DUE TO A CHANGE IN PLAN QUANTITY.

TEMPORARY EROSION CONTROL SEEDINGS = 36 POUND
 PERIMETER EROSION CONTROL BARRIER = 1,150 FOOT

APPLICATION RATES USED IN QUANTITY CALCULATIONS

STONE RIPRAP, CLASS A5 1.65 TON/CU YD
 AGGREGATE BASE COURSE, TYPE A 2.05 TON/CU YD
 AGGREGATE SHOULDERS, TYPE B 2.05 TON/CU YD
 BITUMINOUS MATERIALS (PRIME COAT) - (H.M.A.) 0.10 GAL/ SQ YD
 HOT-MIX ASPHALT (BINDER AND SURFACE COURSE) 112*/SQ YD/IN

THE ABOVE NOTED APPLICATION RATES FOR BITUMINOUS MATERIALS (PRIME COAT) ARE FOR QUANTITY CALCULATIONS ONLY. THE APPLICATION RATE TO BE APPLIED WILL BE DETERMINED BY THE ENGINEER AT THE TIME OF PLACEMENT.



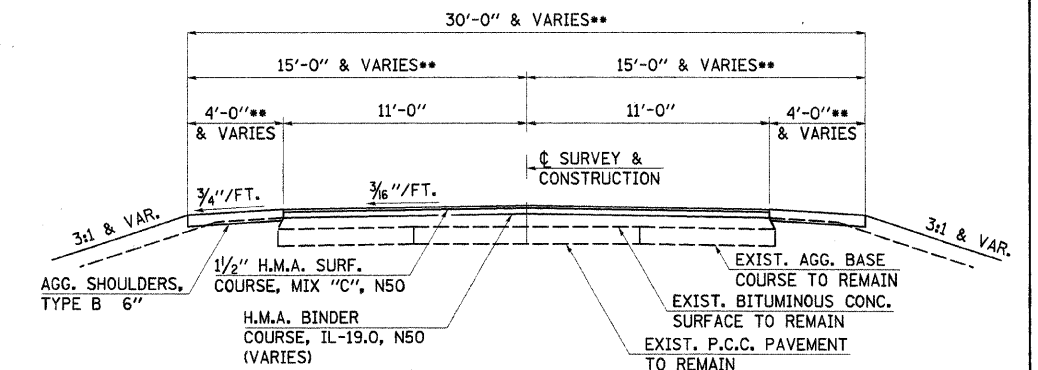
TYPICAL PROPOSED ROADWAY CROSS SECTION

TYPICAL FILL SECTION
 CONSTRUCT AS SHOWN ON
 STATION CROSS SECTIONS.

STA. 5+05.00 TO STA. 5+12.63
 STA. 5+80.38 TO STA. 5+88.00

TYPICAL CUT SECTION
 CONSTRUCT AS SHOWN ON
 STATION CROSS SECTIONS.

**SEE SHOULDER AND GUARDRAIL
 DETAILS ON SHEET 4.

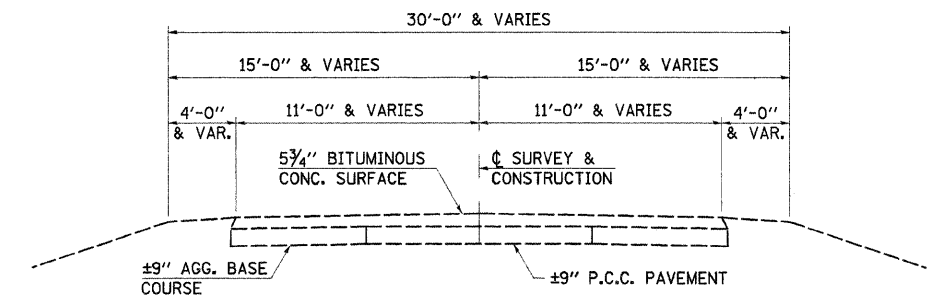


TYPICAL PROPOSED ROADWAY CROSS SECTION

TYPICAL FILL SECTION
 CONSTRUCT AS SHOWN ON
 STATION CROSS SECTIONS.

STA. 2+91.00 TO STA. 5+05.00
 STA. 5+88.00 TO STA. 8+09.00

TYPICAL CUT SECTION
 CONSTRUCT AS SHOWN ON
 STATION CROSS SECTIONS.



TYPICAL EXISTING ROADWAY CROSS SECTION

FILE NAME -
 09-202_SUM.TYP.DGN

DESIGNED - G.J.C.
 DRAWN - S.A.P.
 CHECKED - R.J.C.
 DATE - 12/16/09

REVISED -
 REVISED -
 REVISED -
 REVISED -

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 FREEPORT, IL ROCKFORD, IL ROCHELLE, IL MONROE, WI SPRINGFIELD, IL

**SUMMARY OF QUANTITIES, GENERAL NOTES
 AND TYPICAL CROSS SECTIONS**

SCALE: N/A

PROPOSED STRUCTURE @ STA. 5+46.50

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
C.H. 8	06-00098-01-BR	IROQUOIS	18	2
	F.A.S. 319			CONTRACT NO. 87447
	ILLINOIS			