

SUMMARY OF QUANTITIES - SEC. 10-02146-00-BR

Contract #91465

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TR 16	*	Vermilion	12	2
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

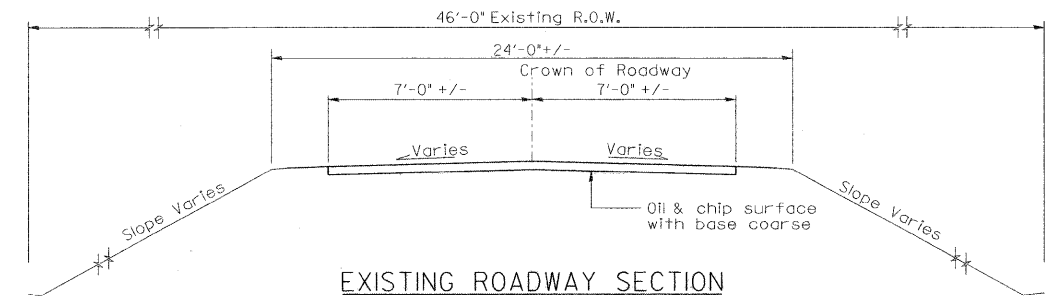
* 10-02146-00-BR

CODE	DESCRIPTION	UNIT	QUANTITY
20100500	Tree Removal	Acres	0.04
20200100	Earth Excavation	Cu. Yd.	80
*25000200	Seeding, Class 2	Acre	0.16
*25000400	Nitrogen Fertilizer Nutrient	Pound	18
*25000500	Phosphorus Fertilizer Nutrient	Pound	18
*25000600	Potassium Fertilizer Nutrient	Pound	18
*25100115	Mulch, Method 2	Acre	0.16
*28000250	Temporary Erosion Control Seeding	Pound	16
*28000305	Temporary Ditch Checks	Foot	40
*28000400	Perimeter Erosion Barrier	Foot	520
40200800	Aggregate Surface Course, Type B	Ton.	215
50100100	Removal of Existing Structures	Each	1
50105220	Pipe Culvert Removal	Foot	65
50200100	Structure Excavation	Cu. Yd.	150
*50300225	Concrete Structures	Cu. Yd.	32.6
*50400505	Precast Prestressed Concrete Deck Beams (27' depth)	Sq. Ft.	1625
50800105	Reinforcement Bars	Pound	3590
Δ50900205	Steel Railing, Type SI	Foot	124
51201400	Furnishing Steel Piles HPI0x42	Foot	500
51202305	Driving Piles	Foot	500
51203400	Test Pile Steel HPI0x42	Each	2
51204650	Pile Shoes	Each	12
51500100	Name Plates	Each	1
*542C1060	Pipe Culverts, Class C, Type 2 15"	Foot	40
59300100	Controlled Low-Strength Material	Cu. Yd.	67.5
*67100100	Mobilization	L. Sum	1
*X7010216	Traffic Control and Protection (Special)	L. Sum	1
Δ78201000	Terminal Marker - Direct Applied	Each	4
*X2810108	Stone Riprap, Class A4 (Special)	Sq. Yd.	190
*XX004566	Concrete Cut-Off Wall	Cu. Yd.	5.4

EARTHWORK SCHEDULE

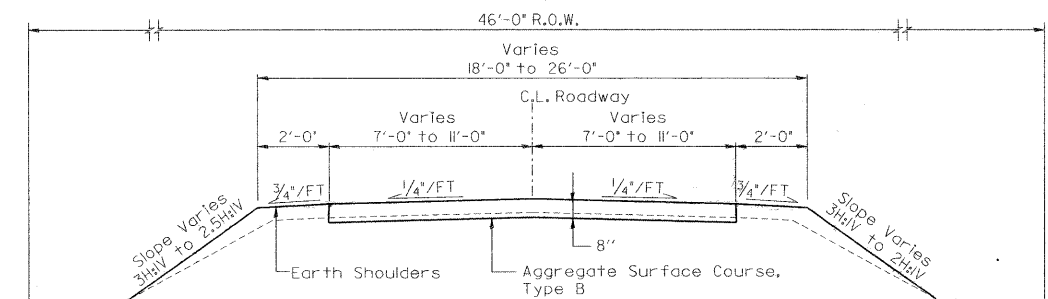
LOCATION	EARTH EXCAVATION C.Y.	SHRINKAGE FACTOR	% USED	ADJUSTED EXCAVATION C.Y.	FILL REQUIRED C.Y.	EARTHWORK BALANCE C.Y.
STA 8+50 to STA 9+00	12	25%	100%	9	6	3
STA 9+00 to STA 9+60	4	25%	100%	3	42	-36
STA 9+60 to STA 9+69	0	25%	100%	0	11	-47
BRIDGE REMOVAL & RIPRAP	254	25%	60%	81	0	67
STA 10+31 to STA 10+40	0	25%	100%	0	18	49
STA 10+40 to STA 11+00	6	25%	100%	5	66	-12
STA 11+00 to STA 11+50	13	25%	100%	10	4	-6
STA 10+36 LT remove field entrance	14	25%	100%	11	0	5
STA 10+45 RT remove field entrance	28	25%	100%	21	0	26
STA 12+60 RT move field entrance	4	25%	100%	3	10	19

No Furnished Excavation necessary.



EXISTING ROADWAY SECTION

Sta. 8+50 to Sta. 9+82.5
Sta. 10+7.5 to Sta. 11+50



PROPOSED ROADWAY SECTION

Sta. 8+50 to Sta. 9+69
Sta. 10+31 to Sta. 11+50

• SEE SPECIAL PROVISIONS.
Δ SPECIALTY ITEMS

GENERAL NOTES

- The locations of Existing utilities as shown on the plan are for information only, and are not guaranteed. It shall be the Contractor's responsibility to ascertain their exact location from the utility companies and by field inspection.
- See the Plan & Profile sheet for roadway and shoulder tapers.
- Aggregate Surface Course, Type B shall be crushed limestone, gradation CA-6.
- Tree Removal shall include the cost the removal of the existing brush.
- The following rates of application are used for calculating quantities:

1.80 Ton/C.Y. - Aggregate Surface Course
1.75 Ton/C.Y. or 0.78 Ton/Sq. Yd. - Stone Riprap / RR4
1.80 Ton/C.Y. or 0.3 Ton/Sq. Yd. - Stone Bedding / RRI

40200800
AGGREGATE SURFACE COURSE, TYPE B (CA-6)

LOCATION	TONS
STA. 8+50 TO STA. 9+69	100
STA. 10+31 TO STA. 11+50	100
Relocated Field Entrance at 12+60, RT	15
TOTAL	215

50105220
PIPE CULVERT REMOVAL

LOCATION	FEET
Field Entrance @ 10+36.5, LT.	28
Field Entrance @ 10+45, RT.	37
TOTAL	65

542C1060
PIPE CULVERTS, CLASS C, TYPE 2 15"

LOCATION	FEET
Relocated Field Entrance at 12+60, RT	40
TOTAL	40

UTILITIES
Call J.U.L.I.E. 1-800-892-0123
The Contractor shall coordinate the relocation of any utilities with the utility company where they conflict with the proposed improvements.

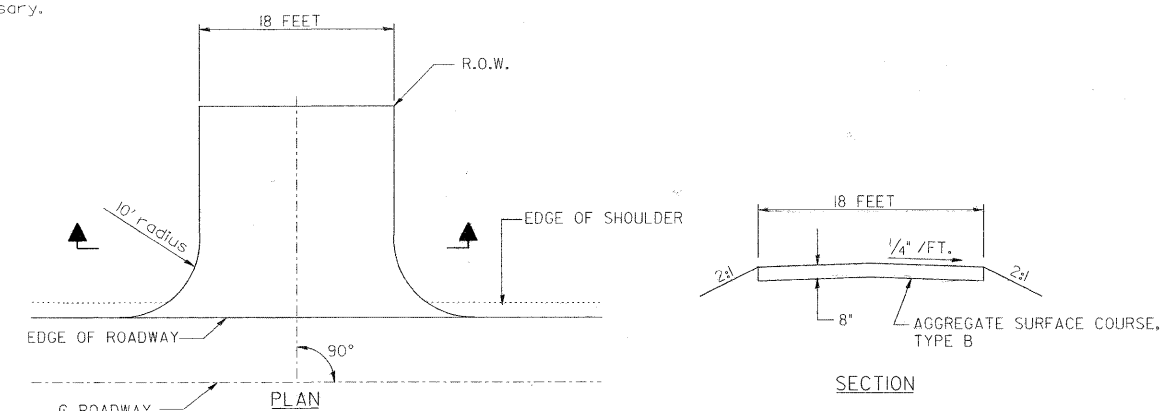
DSGN	K. Hoffmann				
DR	N.J. Liggett				
CHK	J.R. Wolf				
APVD	J.A. Fraenhoffer	NO.	DATE	REVISION	BY

FRAUENHOFER & ASSOCIATES
A division of Engineering Resource Associates, Inc.
Consulting Engineers, Scientists, & Surveyors

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CHAMPAIGN, IL 61822
PHONE (217) 351-6268
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SUMMARY OF QUANTITIES & TYPICAL SECTIONS
TR 16 (170E) OVER BRANCH OF PIGEON CREEK
SEC 10-02146-00-BR
VERMILION COUNTY

SHEET 2
DWG NO. 11050SQ.dgn
DATE FEB 2012
PROJ. NO. 11050

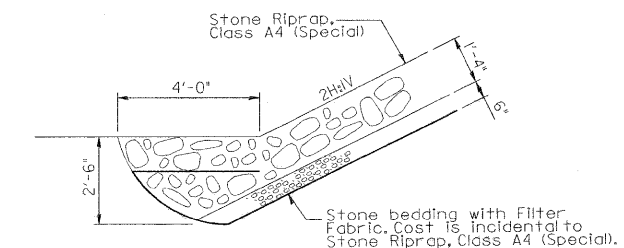


ENTRANCE DETAIL

FIELD ENT = STA. 12+60, RT

ENTRANCE DETAIL-SECTION

FIELD ENT = STA. 12+60, RT



STONE RIPRAP TOE DETAIL