

LOCATION OF WORK

CONSTRUCTION CODES
E000 & X081-2A

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY
20100500	TREE REMOVAL, ACRES	ACRE	0.3
20200100	EARTH EXCAVATION	CU. YD.	2,307
20300100	CHANNEL EXCAVATION	CU. YD.	282
25000200	SEEDING, CLASS 2	ACRE	0.7
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	63
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	63
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	63
25100115	MULCH, METHOD 2	ACRE	0.7
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	70
28000305	TEMPORARY DITCH CHECKS	FOOT	48
28000315	AGGREGATE DITCH CHECKS	TON	10
28000400	PERIMETER EROSION BARRIER	FOOT	1,343
28000500	INLET AND PIPE PROTECTION	EACH	1
28100807	STONE DUMPED RIPRAP, CLASS A4	TON	137
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	541
50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1
50200100	STRUCTURE EXCAVATION	CU. YD.	36
50300225	CONCRETE STRUCTURES	CU. YD.	31.4
50300280	CONCRETE ENCASEMENT	CU. YD.	2.8
50400505	PRECAST PRESTRESSED CONCRETE DECK BEAMS (27" DEPTH)	SQ. FT.	1,643
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	5,230
* 50900205	STEEL RAILING, TYPE S1	FOOT	138
51201610	FURNISHING STEEL PILES HP12x63	FOOT	120
51202305	DRIVING PILES	FOOT	120
51203610	TEST PILE STEEL HP12x63	EACH	2
51500100	NAME PLATES	EACH	1
542D0223	PIPE CULVERTS, CLASS D, TYPE 1 18"	FOOT	63
58300100	PORTLAND CEMENT MORTAR FAIRING COURSE	FOOT	480
67100100	MOBILIZATION	L. SUM	1

* SPECIALTY ITEMS

APPLICATION RATES

THE FOLLOWING RATES OF APPLICATION HAVE BEEN USED IN CALCULATING PLAN QUANTITIES.

NITROGEN FERTILIZER NUTRIENT	90 LBS./ACRE
PHOSPHORUS FERTILIZER NUTRIENT	90 LBS./ACRE
POTASSIUM FERTILIZER NUTRIENT	90 LBS./ACRE
MULCH METHOD 2	2 TONS/ACRE
GRANULAR MATERIAL	2.05 TONS/CY
RIPRAP	1.6 TONS/CY

EARTHWORK SCHEDULE

(SEE SPECIAL PROVISIONS)

LOCATION	EARTH EXCAVATION	EARTH EXCAVATION ADJUSTED FOR SHRINKAGE	EMBANKMENT	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-)
	CUBIC YARD	CUBIC YARD	CUBIC YARD	CUBIC YARD
STA. 84+00 TO 87+88	2,164	1,623	452	+1,171
BRIDGE OMISSION				
STA. 88+58 TO 91+00	143	108	544	-436
SUBTOTAL	2,307	1,731	996	+735
ALLOWANCE FOR 50% CHANNEL EXCAVATION IN EMBANKMENT				+141
TOTAL (TO BE WASTED)				+876

NOTE: SCHEDULE ASSUMES A 25% SHRINKAGE FACTOR.

TREE REMOVAL SCHEDULE

LOCATION	ACRES
STA. 86+79 TO STA. 88+17, RT.	0.05
STA. 84+25 TO STA. 89+75, LT.	0.25
TOTAL	0.30

NOTE:
LOCAL AGENCY HAS CUT TREES OF POTENTIAL INDIANA BAT HABITAT. STUMPS AND LOGS REMAIN AND ARE TO BE REMOVED BY THE CONTRACTOR.

EXTRA BARS FOR TEST SAMPLES

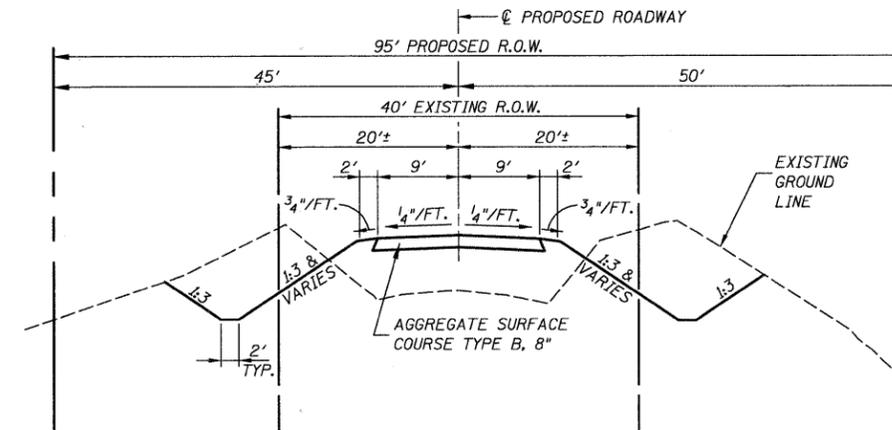
BAR	NO.	SIZE	LENGTH	SHAPE
h(E)	1	#7	12'-2"	—
h2(E)	1	#4	29'-4"	—
u(E)	1	#6	11'-1"	□
v(E)	1	#5	8'-10"	—

* THESE BARS SHALL BE IDENTICAL TO AND DELIVERED WITH THE BARS OF THE SAME MARK LISTED IN THE STRUCTURE SHEETS. ONE BAR OF EACH OF THESE MARKS WILL BE SELECTED BY THE ENGINEER TO BE USED AS A TEST SAMPLE.

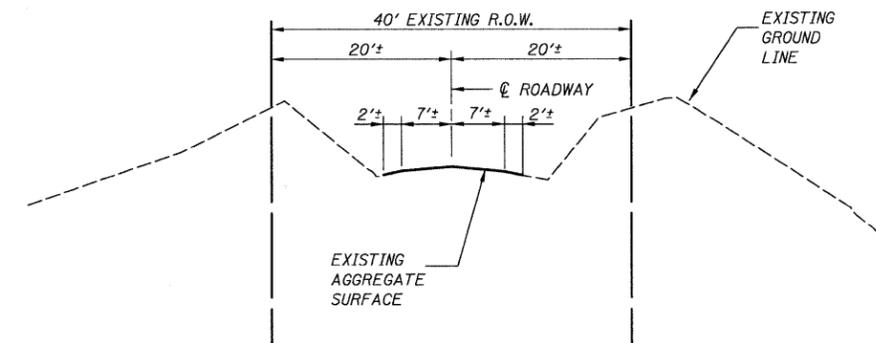
** THIS CHART ASSUMES THAT ALL BARS OF THE SAME SIZE ON THE JOB WILL HAVE THE SAME HEAT NUMBER. IF BARS OF THE SAME SIZE ON THE JOB HAVE DIFFERENT HEAT NUMBERS, THEN THE CONTRACTOR SHALL SUPPLY ADDITIONAL BARS FROM OTHER HEAT NUMBERS FOR SAMPLING BY THE ENGINEER AT NO ADDITIONAL COST.

COMMITMENTS

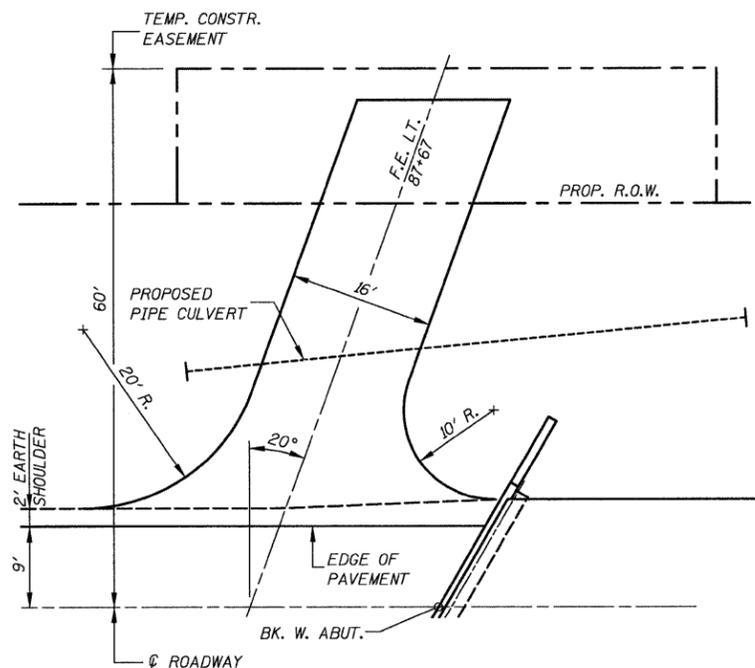
- TREE REMOVAL WILL NOT OCCUR BETWEEN APRIL 1 TO NOVEMBER 15 DUE TO POTENTIAL INDIANA BAT HABITAT.
- WETLAND MITIGATION WILL OCCUR AT 5.5:1 RATIO SO 0.55 ACRES OF MITIGATION ARE REQUIRED AND WILL OCCUR AT SOUTHERN ILLINOIS WETLAND MITIGATION BANK WHICH IS OFF-SITE, IN-BASIN.
- DISTURBANCE OF WETLAND AREAS TO BE LIMITED TO THAT SHOWN ON PLANS.
- ALL EMERGENCY, SCHOOL AND POSTAL SERVICES WILL BE NOTIFIED BEFORE CONSTRUCTION BEGINS.
- FIELD ENTRANCES WILL REMAIN ACCESSIBLE, AS REQUIRED, THROUGHOUT THE TIME OF CONSTRUCTION. THE TOWNSHIP WILL PROVIDE AGGREGATE AS NECESSARY.



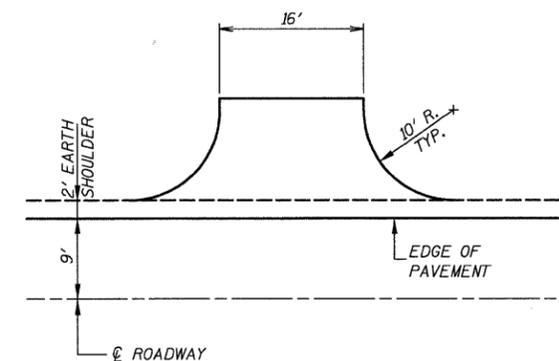
PROPOSED ROADWAY CROSS SECTION
STA. 84+00 TO STA. 87+88; STA. 88+58 TO STA. 91+00



EXISTING ROADWAY CROSS SECTION



FIELD ENTRANCE LT. STA. 87+67



FIELD ENTRANCE LT. STA. 90+00

GENERAL NOTES

- ALL ELEVATIONS REFER TO U.S.G.S. MEAN SEA LEVEL.
- UTILITIES ARE SHOWN IN ACCORDANCE WITH THE BEST AVAILABLE INFORMATION AND THEIR TRUE LOCATION IS NOT GUARANTEED TO BE AS SHOWN ON THE PLANS. IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT LOCATION OF ALL UTILITIES AND CARRY ON HIS OPERATIONS ACCORDINGLY.

FILE NAME =
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USER NAME = _USERDESCR_

DESIGNED - BIB
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CHECKED - LDG
DATE -

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES AND
TYPICAL ROADWAY CROSS SECTIONS

F.A.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
165	96-14115-00-BR	WASHINGTON	15	2
S.N. 095-3251			CONTRACT NO. 97435	
ILLINOIS FED. AID PROJECT				