

SUMMARY OF QUANTITIES

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
308	(104-BY-1BR)	CARROLL	40	2
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

GENERAL NOTES

THE CONTRACTOR SHALL SUBMIT FOUR COPIES OF THE REQUIRED SHOP DRAWINGS FOR REVIEW AND APPROVAL TO IDOT BUREAU OF BRIDGES AND STRUCTURES, 2300 SOUTH DIRKSEN, SPRINGFIELD, IL 62705

CONTRACTOR SHALL SUBMIT ONE SET OF SHOP DRAWINGS TO DAVE LIPPERT, ENGINEER OF MATERIALS, IDOT, 126 EAST ASH STREET, SPRINGFIELD, IL 62706, AND EIGHT SETS OF SHOP DRAWINGS TO BE DISTRIBUTED TO: DISTRICT 2 DISTRICT ENGINEER (1), FABRICATOR (1), CONTRACTOR (1), RESIDENT ENGINEER (2) DISTRICT 2 BUREAU OF MATERIALS (2)

WATER FLOW IN THE DITCHES MUST BE MAINTAINED THROUGHOUT THE PROJECT. NORMAL FLOWS SHALL BE ALLOWED TO PASS AT THE RATE IT ENTERS THE JOBSITE. HIGH FLOWS SHALL BE ALLOWED TO PASS WITHOUT CAUSING DAMAGE TO UPSTREAM PROPERTIES.

PAVEMENT MARKING SHALL BE DONE ACCORDING TO STANDARD 780001, EXCEPT AS FOLLOWS:
THE DISTANCE BETWEEN YELLOW NO-PASSING LINES SHALL BE 8", NOT 7" AS SHOWN IN THE DETAIL OF TYPICAL LANE EDGE LINES.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING UTILITY PROPERTY DURING CONSTRUCTION OPERATIONS AS OUTLINED IN ARTICLE 107.3 OF THE STANDARD SPECIFICATIONS. A MINIMUM OF 48 HOURS ADVANCE NOTICE IS REQUIRED FOR NON-EMERGENCY WORK. THE JULIE NUMBER IS 800-892-0123.

CONSTRUCTION EQUIPMENT SHALL BE STAGED ON PAVED SURFACES. CONTRACTOR SHALL NOT BE ALLOWED TO WORK FROM THE WATERWAY.

THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT:

MIXTURE USE:	SHOULDR	MIXTURE USE:	APPROACHES
PG:	PG 58-22	PG:	PG 64-22
DESIGN AIR VOIDS	3.0 @ N50	DESIGN AIR VOIDS	4.0 @ N50
MIXTURE COMPOSITION (GRADATION MIXTURE)	IL 9.5 OR 12.5	MIXTURE COMPOSITION (GRADATION MIXTURE)	IL 9.5 OR 12.5
FRICTION AGGREGATE	C	FRICTION AGGREGATE	C
20 YEAR ESAL	N/A	20 YEAR ESAL	1.4

SEE CROSS SECTIONS FOR SPECIAL DITCHES AND BACKSLOPES.

THE FINAL TOP FOUR INCHES OF SOIL IN ANY RIGHT-OF-WAY AREA DISTURBED BY THE CONTRACTOR MUST BE CAPABLE OF SUPPORTING VEGETATION. THE SOIL MUST BE FROM THE A HORIZON (ZERO TO 2' DEEP) OF SOIL PROFILES OF LOCAL SOILS.

IT IS ESTIMATED THAT B CUBIC YARDS OF EARTH WILL BE HAULED TO THE JOB FROM OUTSIDE THE PROJECT LIMITS. A SHRINKAGE FACTOR OF 25 % HAS BEEN USED.

THE CONTRACTOR SHALL SEED ALL DISTURBED AREAS WITHIN THE PROJECT LIMITS. SEEDING CLASS 4 OR 2A SHALL BE USED, EXCEPT IN FRONT OF PROPERTIES WHERE THE GRASS WILL BE MOWED, THEN USE SEEDING, CLASS 1. CLASS 2A SHALL BE USED ON FRONT SLOPES AND DITCH BOTTOMS. CLASS 4 SHALL BE USED BEHIND TYPE A GUTTER, ON ALL B BEHIND THE BACKSLOPE, AND BEYOND THE TOE OF FRONT SLOPE ON FILL SECTIONS WITHOUT DITCHES. THIS WORK WILL BE INCLUDED IN THE CONTRACT UNIT PRICE PER CUBIC YARD FOR EARTH EXCAVATION.

FERTILIZER SHALL BE APPLIED TO ALL DISTURBED AREAS AND INCORPORATED INTO THE SEEDBED PRIOR TO SEEDING OR PLACEMENT OF SOD AT THE RATE SPECIFIED IN SECTIONS 250 AND 252 OF THE STANDARD SPECIFICATIONS. THIS WORK SHALL BE INCLUDED IN THE COST OF EARTH EXCAVATION. MULCH METHOD II SHALL BE APPLIED OVER ALL SEEDED AREAS. THIS SHALL BE INCLUDED IN THE COST OF THE EARTH EXCAVATION.

BITUMINOUS AND AGGREGATE PRIME COAT SHALL BE PLACED IN ACCORDANCE WITH SECTION 406 OF THE STANDARD SPECIFICATIONS. THE COST OF THE PRIME COATS SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE PER TON FOR HOT-MIX ASPHALT SURFACE COURSE OF THE TYPE SPECIFIED.

EMBANKMENT QUANTITIES FOR THE CONSTRUCTION OF THE TRAFFIC BARRIER TERMINALS AS SHOWN IN THE PLANS ARE INCLUDED IN QUANTITIES FOR EARTH EXCAVATION.

THE CONTRACTOR SHALL SUPPLY THE RESIDENT ENGINEER WITH THE MANUFACTURER'S REQUIREMENTS FOR THE TYPE OF STEEL PLATE BEAM GUARDRAIL TERMINAL TYPE 1 SPECIAL (FLARED).

ONE 16D GALVANIZED NAIL SHALL BE USED TO TOE NAIL THE WOOD BLOCK OUT TO THE WOOD POST ON ALL TRAFFIC BARRIER TERMINAL TYPE 1 SPECIALS.

DELINEATORS SHALL BE INSTALLED AS SHOWN IN STANDARD 635001, EXCEPT THAT THE POST SHALL BE ROTATED 180° AND ONLY METAL-BACKED DELINEATORS SHALL BE PERMITTED.

DELINEATORS SHALL BE PLACED AT THE ENDS OF APPROACH GUARDRAIL TERMINAL SECTIONS, AND EACH HEADWALL OR END SECTION OF AR CULVERTS. THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR DELINEATORS

THIS STRUCTURE WILL RETAIN THE SAME NUMBER 008-0016.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
SUMMARY OF QUANTITIES
 IL-84 OVER A DRAINAGE DITCH
 FAP ROUTE 308 SECTION (104-BY-1BR)D
 CARROLL COUNTY
 STATION 566+38
 STRUCTURE NO. 008-0016
 SCALE: VERT. DRAWN BY CKL
 HORIZ. CHECKED BY CAC
 DATE 10/10/07

**** SPECIALTY ITEMS**

PAY CODE NO.	PAY ITEM	UNIT	80% FED 20% STATE X080-2A TOTAL
20200100	EARTH EXCAVATION	CU YD	155
20400800	FURNISHED EXCAVATION	CU YD	8
28000400	PERIMETER EROSION BARRIER	FOOT	1400
31100910	SUB-BASE GRANULAR MATERIAL, TYPE A 12"	SQ YD	564
40600990	TEMPORARY RAMP	SQ YD	48
40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX C N50	TON	168
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SQ YD	288
50101500	REMOVAL OF EXISTING SUPERSTRUCTURES	EACH	1
50300225	CONCRETE STURCTURES	CU YD	5
50300260	BRIDGE DECK GROOVING	SQ YD	157.7
50300300	PROTECTIVE COAT	SQ YD	157.7
X0323305	STRUCTURAL REPAIR (OF CONCRETE)		
X0323305	REPAIR (DEPTH EQUAL TO OR LESS THAN 5 INCHES)	SQ FT	100
50400305	PRECAST PRESTRESSED CONCRETE DECK BEAMS (17" DEPTH)	SQ FT	1419
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	2220
60800515	BAR SPLICERS	EACH	44
50901050	STEEL RAILING, TYPE SM	FOOT	86
51500100	NAME PLATES	EACH	1
52000110	PREFORMED JOINT STRIP SEAL	FOOT	86
59000200	EPOXY CRACK INJECTION	FOOT	63
** 63000000	STEEL PLATE BEAM GUARDRAIL, TYPE A	FOOT	287.5
** 63100087	TRAFFIC BARRIER TERMINAL, TYPE 6A	EACH	4
** 63100169	TRAFFIC BARRIER TERMINAL TYPE 1, SPECIAL (FLARED)	EACH	4
63200310	GUARDRAIL REMOVAL	FOOT	630
63500105	DELINEATORS	EACH	4
67000400	ENGINEERS FIELD OFFICE, TYPE A	CAL MO	3
67100100	MOBILIZATION	L SUM	1
70100405	TRAFFIC CONTROL AND PROTECTION, STANDARD 701321	EACH	1
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1
70100500	TRAFFIC CONTROL AND PROTECTION, STANDARD 701326	L SUM	1
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	5
70106500	TEMPORARY BRIDGE TRAFFIC SIGNALS	EACH	1
70106700	TEMPORARY RUMBLE STRIP	EACH	6
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	300
70300520	PAVEMENT MARKING TAPE, TYPE III 4"	FOOT	5000
70300570	PAVEMENT MARKING TAPE, TYPE III 24"	FOOT	48
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	1380
70400100	TEMPORARY CONCRETE BARRIER	FOOT	360

PAY CODE NO.	PAY ITEM	UNIT	80% FED 20% STATE X080-2A TOTAL
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	235
** 78001110	PAINT PAVEMENT MARKING-LINE 4"	FOOT	5680
** 78200410	GUARDRAIL MARKERS, TYPE A	EACH	14
** 78201000	TERMINAL MARKER-DIRECT APPLIED	EACH	4
78300100	PAVEMENT MARKING REMOVAL	SQ FT	1320
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	2
Z0030250	IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3	EACH	2
Z0030350	IMPACT ATTENUATORS, RELOCATE (NON-REDIRECTIVE), TEST LEVEL 3	EACH	2
X5030305	CONCRETE WEARING SURFACE, 5"	SO YD	157.7
Z0001900	ASBESTOS BEARING PAD REMOVAL	EACH	28
Z0013798	CONSTRUCTION LAYOUT	LSUM	1
Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1

PLOT DATE = 10/10/2007
 PLOT SCALE = 1/8"=1'-0"
 USER NAME = BUSER8