

# SUMMARY OF QUANTITIES

CODE NO.	DESCRIPTION	UNIT	TOTAL QUANTITY	CHAMPAIGN COUNTY RURAL STA. 734+00.00 TO STA. 1053+06.00		VERMILION COUNTY RURAL STA. 1053+06.00 TO STA. 1676+10.00 STA. 1752+66.00 TO STA. 1853+50.80		VERMILION COUNTY URBAN STA. 1676+10.00 TO STA. 1752+66.00 STA. 1853+50.80 TO STA. 2231+13.24	
				90% FED. 10% STATE SFTY-3J	90% FED. 10% STATE SFTY-3N	90% FED. 10% STATE SFTY-3J	90% FED. 10% STATE SFTY-3N	90% FED. 10% STATE SFTY-3J	90% FED. 10% STATE SFTY-3N
				QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY
60226242	RESTRICTED DEPTH MANHOLES, 7-DIAMETER, TYPE 8 GRATE	EACH	3.0	0.0	0.0	0.0	2.0	0	1.0
20200100	EARTH EXCAVATION	CU YD	245.0	10.0	6.0	27.0	42.0	90.0	70.0
20400800	FURNISHED EXCAVATION	CU YD	2,190.0	353.0	27.0	318.0	282.0	621.0	589.0
21400100	GRADING AND SHAPING DITCHES	FOOT	1,425.0	0.0	150.0	75.0	150.0	1,050.0	0.0
* 25000210	SEEDING, CLASS 2A	ACRE	6.5	0.400	0.400	0.600	1.300	1.300	2.500
* 25000400	NITROGEN FERTILIZER NUTRIENT	POUND	568.0	36.0	32.0	52.0	114.0	116.0	218.0
* 25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	568.0	36.0	32.0	52.0	114.0	116.0	218.0
* 25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	568.0	36.0	32.0	52.0	114.0	116.0	218.0
* 25100115	MULCH, METHOD 2	ACRE	6.5	0.400	0.400	0.600	1.300	1.300	2.500
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	631.0	40.0	36.0	58.0	126.0	129.0	242.0
28000300	TEMPORARY DITCH CHECKS	EACH	77.0	2.0	5.0	10.0	14.0	21.0	25.0
28000500	INLET AND PIPE PROTECTION	EACH	10.0	0.0	0.0	0.0	5.0	0.0	5.0
44004000	PAVED DITCH REMOVAL	FOOT	58.0	0.0	0.0	0.0	50.0	0.0	8.0
50104400	CONCRETE HEADWALL REMOVAL	EACH	3.0	0.0	0.0	0.0	1.0	0.0	2.0
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	24910	2,332	1,166	5,256	2,628	6,791	6,737
54244405	FLUSH INLET BOX FOR MEDIAN, STANDARD 542546	EACH	1.0	0.0	0.0	0.0	0.0	0.0	1.0
54246205	INLET BOX, STANDARD 542526	EACH	3.0	0.0	0.0	0.0	2.0	0.0	1.0
54246405	INLET BOX, STANDARD 542531	EACH	1.0	0.0	0.0	0.0	1.0	0.0	0.0
54248510	CONCRETE COLLAR	CU YD	1.6	0.0	0.0	0.0	0.7	0.0	0.9
542A0223	PIPE CULVERTS, CLASS A, TYPE 1 18"	FOOT	118.0	0.0	0.0	0.0	118.0	0.0	0.0
542A0229	PIPE CULVERTS, CLASS A, TYPE 1 24"	FOOT	77.0	0.0	0.0	0.0	9.0	0.0	68.0
60108100	PIPE UNDERDRAINS 4" (SPECIAL)	FOOT	300.0	20.0	10.0	90.0	30.0	70.0	80.0
60300320	CATCH BASIN FRAMES AND GRATES TO BE ADJUSTED	EACH	1.0	0.0	0.0	0.0	0.0	0.0	1.0
* 63000000	STEEL PLATE BEAM GUARD RAIL, TYPE A	FOOT	58,025.0	6,700.0	0.0	15,537.5	0.0	35,787.5	0.0
* 63000005	STEEL PLATE BEAM GUARD RAIL, TYPE B	FOOT	50.0	0.0	0.0	0.0	0.0	50.0	0.0
* 63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	38.0	2.0	0.0	7.0	0.0	29.0	0.0
* 63100070	TRAFFIC BARRIER TERMINAL, TYPE 5	EACH	14.0	2.0	0.0	2.0	0.0	10.0	0.0
* 63100085	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	61.0	8.0	0.0	13.0	0.0	40.0	0.0
* 63100089	TRAFFIC BARRIER TERMINAL, TYPE 6B	EACH	32.0	6.0	0.0	15.0	0.0	11.0	0.0
* 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	23.0	1.0	0.0	6.0	0.0	16.0	0.0

\*SPECIALTY ITEMS

△ REVISED 2/27/08

FILE NAME =	USER NAME = collierbw	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SUMMARY OF QUANTITIES</b>	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
cv\projects\4501407\45014070643_text.dgn		DRAWN -	REVISED -			74	FY08HSIP	**	172	6
		PLLOT SCALE = 48,0000' / IN.	CHECKED -							
		PLLOT DATE = 12/20/2007	DATE -							
						SCALE:	SHEET NO.	OF	SHEETS	STA. TO STA.
						FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

\*\*CHAMPAIGN & VERMILION

70643

# SUMMARY OF QUANTITIES

CODE NO.	DESCRIPTION	CONSTRUCTION TYPE CODE:	UNIT	TOTAL QUANTITY	CHAMPAIGN COUNTY		VERMILION COUNTY		VERMILION COUNTY	
					RURAL		RURAL		URBAN	
					STA. 734+00.00 TO STA. 1053+06.00	90% FED. SFTY-3J	90% FED. 10% STATE SFTY-3N	STA. 1053+06.00 TO STA. 1676+10.00 STA. 1752+66.00 TO STA. 1853+50.80	90% FED. 10% STATE SFTY-3J	90% FED. 10% STATE SFTY-3N
* 63100169	TRAFFIC BARRIER TERMINAL, TYPE 1(SPECIAL) FLARED		EACH	79.0	13.0	0.0	24.0	0.0	42.0	0.0
* 63100217	TRAFFIC BARRIER TERMINAL, TYPE 6B(SPECIAL)		EACH	12.0	0.0	0.0	3.0	0.0	9.0	0.0
63200310	GUARDRAIL REMOVAL		FOOT	65,540.0	7,708.0	0.0	15,688.0	0.0	42,144.0	0.0
63400105	GUARD POSTS		EACH	204.0	0.0	24.0	0.0	80.0	0.0	100.0
63400205	GUARD POSTS REMOVAL		EACH	220.0	0.0	41.0	0.0	80.0	0.0	99.0
67000400	ENGINEER'S FIELD OFFICE, TYPE A		CAL MO	5.0	0.50	0.50	1.25	1.25	0.75	0.75
67100100	MOBILIZATION		L SUM	1.0	0.10	0.10	0.25	0.25	0.15	0.15
70100420	TRAFFIC CONTROL AND PROTECTION, STANDARD 701411		EACH	15.0	0.0	0.0	0.0	0.0	15.0	0.0
70100700	TRAFFIC CONTROL AND PROTECTION, STANDARD 701406		L SUM	1.0	0.10	0.10	0.25	0.25	0.15	0.15
* 78200410	GUARDRAIL MARKERS, TYPE A		EACH	931.0	109.0	0.0	246.0	0.0	576.0	0.0
* 78201000	TERMINAL MARKER - DIRECT APPLIED		EACH	102.0	14.0	0.0	30.0	0.0	58.0	0.0
* X0640200	TRAFFIC BARRIER TERMINAL (SPECIAL)		EACH	2.0	0.0	0.0	0.0	0.0	2.0	0.0
X0931400	INLET BOXES TO BE ADJUSTED (SPECIAL)		EACH	1.0	0.0	0.0	0.0	0.0	0.0	1.0
X6050700	REMOVE INLET BOX		EACH	2.0	0.0	0.0	0.0	2.0	0.0	0.0
* X6311215	TRAFFIC BARRIER TERMINAL (C-A-T)		EACH	2.0	0.0	0.0	0.0	0.0	0.0	2.0
X6333500	TRAFFIC BARRIER TERMINAL REMOVAL		EACH	2.0	0.0	0.0	0.0	0.0	0.0	2.0
X7015005	CHANGEABLE MESSAGE SIGN		CAL DA	28.0	5.6	0.0	7.0	7.0	4.2	4.2
<b>50300225</b>	<b>CONCRETE STRUCTURES</b>		CU YD	<b>276.6</b>	29.9	15.0	<b>53.4</b>	<b>26.7</b>	<b>75.8</b>	<b>75.8</b>
Z0013300	CONCRETE REMOVAL (SPECIAL)		SQ YD	1,421.0	0.0	197.3	0.0	551.7	0.0	672.0
* Z0026260	FURNISHING AND INSTALLING TUBULAR THRIE BEAM		FOOT	191.0	0.0	0.0	25.0	0.0	166.0	0.0
* Z0030150	IMPACT ATTENUATORS (NON-REDIRECTIVE), TEST LEVEL 3		EACH	51.0	0.0	6.0	0.0	20.0	0.0	25.0
Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE		L SUM	1.0	0.10	0.10	0.25	0.25	0.15	0.15
Z0056220	SAND MODULE IMPACT ATTENUATOR TO BE REMOVED		EACH	790.0	0.0	93.0	0.0	327.0	0.0	370.0

\*SPECIALTY ITEMS

▲ REVISSED 2/27/08

\*\*CHAMPAIGN & VERMILION

**TAPERED CRASHWALL EXTENSION (THREE CIRCULAR COLUMN PIER) (WORK WITH SHEET 83)**

STRUCTURE		DIMENSION					CONCRETE STRUCTURES	BAR				BAR				BAR				BAR													
STATION		B (FT)	C (FT)	D (FT)	E (FT)	F (FT)	(CU YD)	BAR	QTY	SIZE	LENGTH	SHAPE	LBS	BAR	QTY	SIZE	LENGTH	SHAPE	LBS	BAR	QTY	SIZE	LENGTH	SHAPE	LBS	BAR	QTY	SIZE	A	I	LENGTH	SHAPE	LBS
092-0099 1727+30.31		1'-8"	2'-4"	0'-3"	2'-6"	10'-5"	12.45	h(E)	72	#5	2'-9"		206.5	h6(E)	42	#5	10'-1"		441.7	s(E)	84	#5	2'-0"		175.2	s11(E)	42	#5	1'-4"	2'-8"	8'-11"		390.6
092-0126 1742+16.65 LOC.		1'-9"	2'-3"	0'-3"	2'-6"	9'-2"	10.96	h(E)	72	#5	2'-9"		206.5	h7(E)	42	#5	8'-10"		387.0	s(E)	72	#5	2'-0"		150.2	s12(E)	36	#5	1'-5"	2'-8"	9'-1"		341.1
092-0087 1917+83.25	MED	1'-11"	2'-1"	0'-2"	2'-2"	16'-6"	6.03	h(E)	24	#5	2'-9"		68.8	h8(E)	14	#5	16'-2"		236.1	s(E)	44	#5	2'-0"		91.8	s13(E)	22	#5	1'-7"	2'-2"	8'-5"		193.1
	EB	1'-11"	2'-1"	0'-2"	2'-2"	16'-6"	6.03	h(E)	24	#5	2'-9"		68.8	h8(E)	14	#5	16'-2"		236.1	s(E)	44	#5	2'-0"		91.8	s13(E)	22	#5	1'-7"	2'-2"	8'-5"		193.1
092-0129 1971+24.72 LOC.		1'-11"	2'-1"	0'-3"	2'-6"	9'-3"	14.43	h(E)	72	#5	2'-9"		206.5	h9(E)	42	#5	8'-11"		390.6	s(E)	84	#5	2'-0"		175.2	s14(E)	42	#5	1'-7"	2'-8"	9'-5"		412.5
092-0084 2001+44.74	WB	1'-6"	2'-6"	0'-3"	2'-6"	9'-6"	3.4	h(E)	24	#5	2'-9"		68.8	h10(E)	14	#5	9'-2"		133.9	s(E)	28	#5	2'-0"		58.4	s15(E)	14	#5	1'-2"	2'-8"	8'-7"		125.3
	MED	1'-6"	2'-6"	0'-3"	2'-6"	9'-6"	3.4	h(E)	24	#5	2'-9"		68.8	h10(E)	14	#5	9'-2"		133.9	s(E)	28	#5	2'-0"		58.4	s15(E)	14	#5	1'-2"	2'-8"	8'-7"		125.3
	EB	1'-6"	2'-6"	0'-3"	2'-6"	9'-6"	3.4	h(E)	24	#5	2'-9"		68.8	h10(E)	14	#5	9'-2"		133.9	s(E)	28	#5	2'-0"		58.4	s15(E)	14	#5	1'-2"	2'-8"	8'-7"		125.3
CONCRETE STRUCTURES =							61.1	LBS =				963.5	LBS =				2093.2	LBS =				859.4	LBS =				1906.3	REINFORCEMENT BARS (EPOXY COATED) =				5822.4	

**CRASHWALL EXTENSION (THREE CIRCULAR COLUMN PIER) (WORK WITH SHEET 84)**

STRUCTURE		DIMENSION		CONCRETE STRUCTURES	BAR				BAR				BAR				BAR												
STATION		B (FT)	C (FT)	(CU YD)	BAR	QTY	SIZE	LENGTH	SHAPE	LBS	BAR	QTY	SIZE	LENGTH	SHAPE	LBS	BAR	QTY	SIZE	LENGTH	SHAPE	LBS	BAR	QTY	SIZE	LENGTH	SHAPE	LBS	
010-0089 762+00.00		1'-10"	2'-2"	24.3	h(E)	72	#5	2'-9"		206.5	h11(E)	42	#5	12'-3"		536.6	s(E)	108	#5	2'-0"		225.3	s16(E)	54	#5	12'-3"		689.9	
CONCRETE STRUCTURES =				24.3	LBS =				206.5	LBS =				536.6	LBS =				225.3	LBS =				689.9	REINFORCEMENT BARS (EPOXY COATED) =				2130.8

  

BAR	QTY	SIZE	LENGTH	SHAPE	LBS
u(E)	36	#5	12'-7"		472.5
LBS =					472.5
REINFORCEMENT BARS (EPOXY COATED) =					2130.8

**CRASHWALL EXTENSION (FIVE CIRCULAR COLUMN PIER) (WORK WITH SHEET 86)**

STRUCTURE		DIMENSION					CONCRETE STRUCTURES	BAR				LOCATION				BAR										
STATION		B (FT)	C (FT)	F (FT)	G (FT)	H (FT)	(CU YD)	BAR	QTY	SIZE	LENGTH	SHAPE	LBS	LOCATION	BAR	QTY	SIZE	LENGTH	SHAPE	LBS	BAR	QTY	SIZE	LENGTH	SHAPE	LBS
092-0051 1697+22.5		1'-10"	2'-2"	10'-3"	11'-2"	9'-3"	42.9	h(E)	144	#5	2'-9"		413.0	F	h12(E)	21	#5	9'-11"		217.3	u1(E)	72	#5	12'-6"		938.7
														G	h13(E)	21	#5	10'-10"		237.3	LBS =				1110.0	
CONCRETE STRUCTURES =							42.9	LBS =				413.0	LBS =				850.0	REINFORCEMENT BARS (EPOXY COATED) =				3672.0				

  

LOCATION	BAR	QTY	SIZE	LENGTH	SHAPE	LBS
F	s(E)	42	#5	2'-0"		87.6
G	s(E)	48	#5	2'-0"		100.1
H	s(E)	84	#5	2'-0"		175.2
LBS =						360.0

NOTE:  
WORK TO BE DONE TO ALL PIERS AT EACH STRUCTURE EXCEPT AS NOTED.  
MED INDICATES MEDIAN PIER.  
EB INDICATES EAST BOUND PIER.

▲ REVISED 2/27/08