PAVEMENT REMOVAL

STA.	WIDTH (FT.)	AVG. WIDTH (FT.)	LENGTH (FT.)	AREA (SQ. YD.)
83+50.00	24.0			
		32.0	276.0	981.3
86+26.00	24.0			
90+88.00	24.0			
		24.0	297.0	792.0
93+85.00	24.0			
			TOTAL	1773.3

SUB-BASE GRANULAR MATERIAL, TYPE B 12" / HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50 / HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 / BITUMINOUS MATERIAL (PRIME COAT)

STA.	WIDTH (FT.)	AVG. WIDTH (FT.)	LENGTH (FT.)	AREA (SQ. YD.)	THICKNESS (IN.)	UNIT WT. (LBS. / SY / IN.)	TOT. WT. (TONS)	THICKNESS (IN.)	UNIT WT. (LBS. / SY / IN.)	TOT. WT. (TONS)	SUB-BASE RATE	SUB-BASE GAL	HMA BINDER RATE	HMA BINDER GAL
83+50.00	26.0													
		26.0	234.3	676.7	8.5	112	297.3	2	112	70.0	0.5	312.3	0.1	62.5
85+84.25	26.0													
91+03.75	26.0													
		26.0	281.3	812.5	8.5	112	357.0	2	112	84.0	0.5	375.0	0.1	75.0
93+85.00	26.0													
				TOTAL	1489.2		TOTAL	654.3		TOTAL	154.0	SUB 687.3	SUB	137.5
												TOTAL		824.8

AGGREGATE SHOULDERS, TYPE A 8"

STA.	WIDTH (FT.)	AVG. WIDTH (FT.)	LENGTH (FT.)	SKEW FACTOR	ADJUSTED LENGTH	AREA (SQ. YD.)
84+40.00	3.0					
		3.0	76.05	1.0	76.0	25.3
85+16.05	3.0					
		3.0	84.20	1.005	84.6	28.2
86+00.25	3.0					
90+87.75	4.0					
		4.0	84.20	1.0	84.2	37.4
91+71.95	4.0					
		4.0	50.05	1.005	50.3	22.4
92+22.00	4.0					
					TOTAL	113.3

AGGREGATE SHOULDERS, TYPE A 6"

STA.	RT. OFFSETS		LT. OFFSETS		RT. WIDTH (FT.)	LT. WIDTH (FT.)	AVG. RT. WIDTH (FT.)	AVG. LT. WIDTH (FT.)	LENGTH (FT.)	RT. AREA (SQ. YD.)	LT. AREA (SQ. YD.)
83+50.00	20.00	12.00			8.00						
							8.00		88.05	78.3	
84+38.05	20.00	12.00			8.00						
							5.71		119.08	75.5	
85+57.13	15.42	12.00			3.42						
							3.42		27.12	10.3	
85+84.25	15.42	12.00			3.42						
91+03.75	15.42	12.00			3.42						
							3.42		27.13	10.3	
91+30.88	15.42	12.00			3.42						
							5.71		119.08	75.5	
92+49.96	20.00	12.00			8.00						
							8.00		135.04	120.0	
93+85.00	20.00	12.00			8.00						
83+50.00			20.00	12.00		8.00					
								8.00	90.00		80.0
84+40.00			20.00	12.00		8.00					
84+55.00			25.00	12.00		13.00					
								13.00	60.45		87.3
85+15.45			25.00	12.00		13.00					
								10.21	55.80		63.3
85+71.25			19.42	12.00		7.42					
85+71.25			19.42	15.92		3.50					
								3.10	13.00		4.5
85+84.25			18.12	15.42		2.70					
91+03.75			18.12	15.42		2.70					
								3.19	16.00		5.7
91+19.75			19.72	16.04		3.68					
91+19.75			19.72	12.00		7.72					
								7.33	52.80		43.0
91+72.55			25.00	18.07		6.93					
								9.97	40.45		44.8
92+13.00			25.00	12.00		13.00					
92+28.00			20.00	12.00		8.00					
								8.00	157.00		139.6
93+85.00			20.00	12.00		8.00					
									SUBTOTALS	370.0	468.1
									TOTAL	838.1	

AGGREGATE BASE COURSE, TYPE A 5" / LEVELING BINDER (MACHINE METHOD), N50 / HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50

STA.	WIDTH (FT.)	AVG. WIDTH (FT.)	LENGTH (FT.)	SKEW FACTOR	ADJUSTED LENGTH	AREA (SQ. YD.)	THICKNESS (IN.)	UNIT WT. (LBS. / SY / IN.)	TOT. WT. (TONS)
84+40.00	23.0								
		23.0	15.0	1.0	15.0	38.3	1.5	112	3.2
84+55.00	23.0								
84+55.00	10.0								
		10.0	60.5	1.0	60.5	67.2	1.5	112	5.6
85+15.45	10.0								
		10.0	68.8	1.005	69.1	76.8	1.5	112	6.5
85+84.25	10.0								
91+03.75	10.0								
		10.0	68.8	1.005	69.1	76.8	1.5	112	6.5
91+72.55	10.0								
		10.0	40.5	1.000	40.5	44.9	1.5	112	3.8
92+13.00	10.0								
92+13.00	23.0								
		23.0	15.0	1.000	15.0	38.3	1.5	112	3.2
92+28.00	23.0								
					TOTAL	342.4		TOTAL	28.8

CHAIN LINK FENCE, 5'

STA.	LENGTH (FT.)	SKEW FACTOR	ADJUSTED LENGTH
84+20.00			
	96.05	1.0	96.0
85+16.05			
	83.95	1.005	84.4
86+00.00			
90+88.00			
	83.95	1.0	84.0
91+71.95			
	41.05	1.005	41.3
92+13.00			
		TOTAL	305.6

SEEDING SCHEDULE

LOCATION (BEGIN STATION – END STATION – OFFSET)	SEEDING, CLASS 2A (ACRES)	NITROGEN FERTILIZER NUTRIENT (POUNDS)	PHOSPHORUS FERTILIZER NUTRIENT (POUNDS)	POTASSIUM FERTILIZER NUTRIENT (POUNDS)	TEMPORARY EROSION CONTROL SEEDING (POUND)
EAST SIDE OF STRUCTURE					
83+50.00 – 86+00.25	0.19	17	17	17	38
SUBTOTAL	**0.19**	**17**	**17**	**17**	**38**
WEST SIDE OF STRUCTURE					
90+87.75 – 93+85.00	0.08	7	7	7	16
SUBTOTAL	**0.08**	**7**	**7**	**7**	**16**
SUBTOTAL	**0.00**	**0**	**0**	**0**	**0**
TOTAL	**0.27**	**24**	**24**	**24**	**54**

PAVEMENT MARKING SCHEDULE

LOCATION BEGIN STATION	END STATION	OFFSET	PAINT PAVEMENT MARKING LINE 4" (FOOT)	GUARDRAIL MARKERS TYPE A (EACH)	BARRIER WALL MARKERS (EACH)	TERMINAL MARKER DIRECT APPLIED (EACH)	NOTE
83+50.00	93+85.00	LT & RT	2070				WHITE SOLID
85+80.00	93+85.00	CENTERLINE	805				YELLOW / SOLID RT
83+50.00	93+85.00	CENTERLINE	259				YELLOW / SKIP DASH LT
84+67.00	85+47.00	RT		2			AT 80' SPA.
86+27.00	90+27.00	RT			6		AT 80' SPA.
91+07.00	-	RT		1			
85+52.00	-	LT		1			
86+32.00	90+32.00	LT			6		AT 80' SPA.
91+12.00	-	LT		1			
84+07.10	-	RT				1	
91+67.20	-	RT				1	
84+67.30	-	LT				1	
91+96.90	-	LT				1	
		TOTAL	3134	5	12	4	

EARTHWORK SCHEDULE

BEGIN STATION	END STATION	A EARTH EXCAVATION (CU YD)	B EXCAVATION TO BE USED IN EMBANKMENT, ADJUSTED FOR SHRINKAGE (20%) (CU YD)	C EMBANKMENT (CU YD)	D EARTHWORK BALANCE EXCESS (+) OR SHORTAGE (-) (CU YD)
83+50.00	86+00.25	498	398	440	-42
90+87.75	93+85.00	660	528	67	461
	TOTAL	1160	925	505	420

EQUATIONS USED
B = A * 0.80
D = B - C

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HANSON

FILE NAME = C-601-SCH.dgn	USER NAME =	DESIGNED -	REVISED -
		DRAWN -	REVISED -
MODEL NAME =	PLOT SCALE =	CHECKED -	REVISED -
	PLOT DATE = 10/26/2010	DATE -	REVISED -

LAYOUT / DRAWN / REVIEWED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES
KISHWAUKEE RIVER BRIDGE
WINNEBAGO COUNTY, ILLINOIS

SCALE: | SHEET NO. OF SHEETS | STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5103	03-00337-00-BR	WINNEBAGO	66	4

CONTRACT NO. 85523

FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT