

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	*	McHENRY	502	24
STA. 9+35.22		TO STA. 142+08.53		
FED. ROAD DIST. NO. ILLINOIS		FED. AID PROJECT		
* (105X & 106) WRS-2				

1	2	3	4	5	6	7
Street	Earth Excavation	Excavation for Embankment (Adjusted for Shrinkage)	Embankment	Unsuitable or Unstable Material	Porous Granular Embankment, Subgrade	Furnished Excavation Earthwork Balance Waste (+) or Shortage (-)
	Cubic Yard	Cubic Yard	Cubic Yard	Cubic Yard	Cubic Yard	Cubic Yard
Pre-Stage						
IL Route 47	2,119	1,801	2,323	607	607	-521
4th	0	0	0	0	0	0
Algonquin	623	529	30	0	0	500
Borden	0	0	7	0	0	-7
Dean	45	38	6	0	0	32
Joan	0	0	1	0	0	-1
Kreutzer	0	0	0	0	0	0
Main	211	180	1	0	0	179
Mill	0	0	0	0	0	0
North	0	0	0	0	0	0
Reed	0	0	0	0	0	0
Subtotal	2,998	2,548	2,367	607	607	181
Stage 1						
IL Route 47	19,529	16,600	11,440	3,113	3,113	5,160
4th	0	0	0	0	0	0
Algonquin	2,358	2,004	79	153	153	1,925
Borden	4	3	0	0	0	3
Dean	6	5	1	0	0	4
Joan	93	79	1	0	0	78
Kreutzer	583	496	0	0	0	496
Main	511	435	24	0	0	410
Mill	1,160	986	6	332	332	980
North	152	129	4	0	0	125
Reed	300	255	5	0	0	250
Subtotal	24,695	20,991	11,559	3,597	3,597	9,432
Stage 1B						
IL Route 47	0	0	0	0	0	0
4th	0	0	0	0	0	0
Algonquin	1,318	1,120	211	167	167	909
Borden	0	0	1	0	0	-1
Dean	6	5	0	0	0	5
Joan	0	0	0	0	0	0
Kreutzer	605	515	0	0	0	515
Main	613	521	92	0	0	428
Mill	771	655	124	321	321	531
North	0	0	0	0	0	0
Reed	282	240	0	0	0	240
Subtotal	3,594	3,055	428	488	488	2,628
Stage 2						
IL Route 47	23,911	20,325	4,862	2,408	2,408	15,462
4th	66	57	0	0	0	57
Algonquin	0	0	0	0	0	0
Borden	38	32	0	0	0	32
Dean	1,171	996	15	381	381	980
Joan	1,124	955	225	0	0	731
Kreutzer	583	496	0	0	0	496
Main	117	100	1	0	0	98
Mill	0	0	0	0	0	0
North	101	86	0	0	0	86
Reed	0	0	0	0	0	0
Subtotal	27,112	23,045	5,104	2,788	2,788	17,941
Stage 2B						
IL Route 47	0	0	0	0	0	0
4th	48	41	0	0	0	41
Algonquin	0	0	0	0	0	0
Borden	39	33	4	0	0	29
Dean	1,044	887	14	247	247	873
Joan	0	0	0	0	0	0
Kreutzer	605	515	0	0	0	515
Main	10	8	4	0	0	5
Mill	0	0	0	0	0	0
North	65	56	0	0	0	55
Reed	0	0	0	0	0	0
Subtotal	1,811	1,539	23	247	247	1,517

1	2	3	4	5	6	7
Street	Earth Excavation	Excavation for Embankment (Adjusted for Shrinkage)	Embankment	Unsuitable or Unstable Material	Porous Granular Embankment, Subgrade	Furnished Excavation Earthwork Balance Waste (+) or Shortage (-)
	Cubic Yard	Cubic Yard	Cubic Yard	Cubic Yard	Cubic Yard	Cubic Yard
Stage 3						
IL Route 47	5,035	4,280	2,919	962	962	1,360
4th	0	0	0	0	0	0
Algonquin	0	0	0	0	0	0
Borden	0	0	0	0	0	0
Dean	0	0	0	0	0	0
Joan	0	0	0	0	0	0
Kreutzer	0	0	0	0	0	0
Main	0	0	0	0	0	0
Mill	0	0	0	0	0	0
North	0	0	0	0	0	0
Reed	0	0	0	0	0	0
Subtotal	5,035	4,280	2,919	962	962	1,360
Stage 3B						
IL Route 47	0	0	0	0	0	0
4th	0	0	0	0	0	0
Algonquin	0	0	0	0	0	0
Borden	0	0	0	0	0	0
Dean	0	0	0	0	0	0
Joan	0	0	0	0	0	0
Kreutzer	0	0	0	0	0	0
Main	0	0	0	0	0	0
Mill	0	0	0	0	0	0
North	0	0	0	0	0	0
Reed	0	0	0	0	0	0
Subtotal	0	0	0	0	0	0
Stage 3C						
IL Route 47	0	0	0	0	0	0
4th	0	0	0	0	0	0
Algonquin	35	29	0	0	0	29
Borden	0	0	0	0	0	0
Dean	0	0	0	0	0	0
Joan	0	0	0	0	0	0
Kreutzer	0	0	0	0	0	0
Main	103	88	67	0	0	21
Mill	0	0	0	0	0	0
North	0	0	0	0	0	0
Reed	0	0	0	0	0	0
Subtotal	138	117	67	0	0	50
Total	65,383	55,576	22,467	8,689	8,689	33,109

Shrinkage Factor: Earth Excavation: 15%

Column 1, 2, & 4-Locations and Quantities from cross sections
Cut = Earth Excavation Fill = Embankment

Column 3-Quantity of Earth Excavation (Cut) Adjusted for a shrinkage factor of 15%

Column 5-Quantity of Undercut for PGE placement + Quantity for Topsoil Stripping

Column 6-Quantity of Porous Granular Embankment, Subgrade

Column 7-Earthwork required. (-) = Quantity of Fill or Embankment Needed (Furnished Excavation)

(+) = Quantity to be wasted

HIGH-EARLY-STRENGTH PORTLAND CEMENT CONCRETE PAVEMENT 10" (JOINTED)

LOCATION	STA	TO	STA	AREA (SY)
MAIN ST	75+56.40		76+27.14	555
ALGONQUIN RD	101+65.85		102+70.82	1050
KREUTZER RD	20+42.05		21+18.30	761

TOTAL = 2366 SQ YD

SAW CUTS

STATION	OFFSET	TO	OFFSET	LENGTH (FT)
104+20.20	0.05 LT		41.55 LT	41.50
104+26.20	0.55 LT		41.25 LT	40.70
104+20.20 to 104+26.20			LT	6.00
104+20.20 to 104+26.20			LT	6.00

TOTAL = 94 FEET

HOT-MIX ASPHALT REMOVAL OVER PATCHES, 4"

STATION	TO	STATION	OFFSET	AREA (SY)
104+20.20		104+26.20	LT	27

TOTAL = 27 SY

HOT-MIX ASPHALT REPLACEMENT OVER PATCHES, 4"

STATION	TO	STATION	OFFSET	AREA (SY)	THICKNESS (IN)	TONS
104+20.20		104+26.20	LT	27	4	6

TOTAL = 6 TONS

CLASS B PATCHES, TYPE IV, 8 1/4"

STATION	TO	STATION	OFFSET	AREA (SY)
104+20.20		104+26.20	LT	27

TOTAL = 27 SY

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
ILLINOIS ROUTE 47
SCHEDULE OF QUANTITIES
SHEET 4 OF 4

SCALE: VERT. NO SCALE
HORIZ. NO SCALE
DATE: 8/5/2009

DRAWN BY: E.D.
CHECKED BY: B.S.



PLOT DATE = Friday, August 07, 2009
FILE NAME = S:\11-CADD\11-11-09\11-11-09.dwg
SCALE = 1/8"=1'-0"
USER NAME = 8898