

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	106-N-1	KANE	82	10
STA.		TO STA.		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

SCHEDULE OF QUANTITIES (EARTHWORK)						
1	2	3	4	5	6	7
IL 47 AT BIG TIMBER RD.	EARTH EXCAVATION (CU YD)	UNSUITABLE MATERIAL (CU YD)	EMBANKMENT (CU YD)	ADJUSTMENT FOR SHRINKAGE (CU YD)	FURNISHED EXCAVATION (CU YD)	TOP SOIL FURNISH AND PLACE (SQ YD)
IL 47 - STA. 83+25 TO STA. 100+00	1,665	3,600	2,154	1,415	-739	10,794
IL 47 - STA. 100+00 TO STA. 109+50	658	1,270	850	559	-291	3,272
BIG TIMBER RD. - STA. 40+50 TO STA. 50+00	338	1,920	1,807	287	-1,520	4,750
BIG TIMBER RD. - STA. 50+00 TO STA. 59+50	165	1,550	1,576	140	-1,436	3,589
TOTAL	2,826	8,340	6,388	2,402	-3,986	22,406
COLUMN 1: LOCATION FROM PLANS		COLUMN 5: EARTH EXCAVATION THAT IS TO BE USED AS FILL MATERIAL IN THE EMBANKMENT, SHRINKAGE FACTOR WAS DETERMINED TO BE 15%				
COLUMN 2: CUT QUANTITIES AFTER UNSUITABLE MATERIAL IS REMOVED		COLUMN 6: COLUMN 5 - COLUMN 4, POSITIVE QUANTITY= EXTRA EXCAVATION, NEGATIVE QUANTITY= FURNISHED EXCAVATION NEEDED				
COLUMN 3: MATERIAL THAT IS DETERMINED TO BE EITHER UNSTABLE OR UNSUITABLE FOR USE IN EMBANKMENT (TOP SOIL EXCAVATED AT 12" (300 MM) AVERAGE DEPTH)		COLUMN 7: TOPSOIL FURNISH AND PLACE= AREA OF SEEDING				
COLUMN 4: FILL QUANTITIES AFTER UNSUITABLE MATERIAL IS REMOVED						

NOTE: THE TOP 12" OF TOPSOIL IS TO BE REMOVED AND PAID FOR AS REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL. THE CUT AND FILL VALUES ON THE CROSS SECTIONS DO NOT ACCOUNT FOR THE REMOVAL OF 12" OF TOPSOIL.

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

	MIXTURE USE	AC TYPE	AIR VOIDS (%)
ROADWAY	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90 (IL 9.5 MM), 1 3/4"	SBS/SBR PG 70-22	4% @ 90 GYR
	POLYMERIZED LEVELING BINDER, (MM), IL-4.75, N50, 3/4"	SBS/SBR PG 76-28/-22	4% @ 50 GYR
WIDENING	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90, 1 1/2"	SBS/SBR PG 70-22	4% @ 90 GYR
	HOT-MIX ASPHALT BASE COURSE, (BINDER IL-19.0 MM), 1 1/2"	PG 64-22/58-22	4% @ 50 GYR
FIELD ENTRANCES	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 (IL 9.5 MM), 2"	PG 64-22	4% @ 50 GYR
SHOULDERS	HOT-MIX ASPHALT SHOULDERS, 8"	PG 64-22/58-22	2% @ 30 GYR
PATCHES	CLASS D PATCHES, (BINDER IL-19.0 MM), 9"	PG 64-22/58-22	4% @ 70 GYR
	HOT-MIX ASPHALT REPLACEMENT OVER PATCHES, (BINDER IL-19.0 MM)	PG 64-22/58-22	4% @ 70 GYR

THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MIXTURE QUANTITIES IS 112 LBS/SY/IN.

WHEN RAP EXCEEDS 20%, THE NEW ASPHALT BINDER IN THE MIX SHALL BE PG 58-22

HMA MIX "F" IS USED BECAUSE INTERSECTION IS A HIGH-STRESS LOCATION

PLOT DATE = 3/1/2007
 FILE NAME = c:\projects\1060503\design\as.dgn
 PLOT SCALE = 50.0000 / IN.
 USER NAME = wlgreendp

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

**IL 47 AT BIG TIMBER RD.
SCHEDULE OF QUANTITIES AND
HMA MIXTURE CHART**

SCALE: VERT. _____
HORIZ. _____

DATE _____ DRAWN BY _____
CHECKED BY _____

REV. 1