

CONTRACT NO. 87427				
F.A.U. RITE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6141	09-00092-00-PV	LASALLE	36	2
STA. 1+85		TO STA. 39+80		
FED. ROAD DIST. NO. 3		ILLINOIS ARRA PROJECT		

GENERAL NOTES

- ALL ELEVATIONS SHOWN IN THE PLANS ARE BASED ON USGS MEAN SEA LEVEL DATUM.
- ANY REFERENCE TO A STANDARD IN THESE PLANS SHALL BE INTERPRETED TO MEAN THE EDITION AS INDICATED BY THE SUBNUMBER LISTED IN THE INDEX OF SHEETS OF THE COPY OF THE STANDARD INCLUDED IN THESE PLANS.
- ABANDONED UNDERGROUND UTILITIES THAT CONFLICT WITH CONSTRUCTION SHALL BE DISPOSED OF OUTSIDE THE LIMITS OF THE RIGHT OF WAY ACCORDING TO ARTICLE 202.03 OF THE STANDARD SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE COST OF EARTH EXCAVATION.
- THE FOLLOWING RATES OF APPLICATION HAVE BEEN USED IN CALCULATING PLAN QUANTITIES:

GRANULAR MATERIALS	2.05 TONS / CU YD
BITUMINOUS PRIME COAT	0.10 GAL / SQ YD
BITUMINOUS CONCRETE SURFACE COURSE	112 LBS / SQ YD / IN
BITUMINOUS CONCRETE BINDER COURSE	112 LBS / SQ YD / IN
NITROGEN FERTILIZER NUTRIENT	90 LBS / ACRE
PHOSPHOROUS FERTILIZER NUTRIENT	90 LBS / ACRE
POTASSIUM FERTILIZER NUTRIENT	90 LBS / ACRE
- THE FINISHED EARTHWORK SHALL HAVE A VEGETATIVE SUSTAINING SOIL COVERING THE TOP 4 INCHES IN AREA TO BE SEEDED. THE VEGETATIVE SUSTAINING SOIL WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF EARTH EXCAVATION.
- BEFORE ORDERING PIPE CULVERTS OR STORM SEWERS, THE CONTRACTOR SHALL CONSULT THE ENGINEER FOR EXACT LENGTHS.
- THE ENGINEER SHALL BE THE SOLE JUDGE CONCERNING CURING TIME FOR THE VARIOUS BITUMINOUS LIFTS.
- A MINIMUM FOR FOUR SAND BAGS SHALL BE USED TO STABILIZE REQUIRED TYPE III BARRICADES.
- THE THICKNESS OF BITUMINOUS MIXTURES SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE BITUMINOUS MIXTURE IS PLACED.
- ALL ELEVATIONS SHOWN IN THE PLANS ARE TOP OF PAVEMENT GRADES UNLESS OTHERWISE NOTED.
- ALL SAWCUTTING OF EXISTING PAVEMENT SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT. THE MINIMUM SAW CUT DEPTH IN THE PAVEMENT SHALL BE 1 1/2" UNLESS OTHERWISE NOTED ON THE PLANS.
- THE CONTRACTOR SHALL REMOVE, STORE, AND RE-ERECT EXISTING ROAD SIGNS AND MAILBOXES. THIS WORK SHALL BE INCIDENTAL TO THE CONTRACT.

PHASING NOTES:

- ALL WORK IS TO BE COMPLETED PER THE TRAFFIC CONTROL PLANS ON SHEETS 6-11
- WORK TO BE COMPLETED PER STAGE, AS FOLLOWS:

STAGE 1 - CLASS B, PCC HOT PATCHING STA: 1+85 - 18+90
STAGE 2 - 7" JOINTED PCC PAVEMENT STA: 2+45 - 6+60
STAGE 3 - 7" JOINTED PCC PAVEMENT STA: 7+10 - 9+90
STAGE 4 - 7" JOINTED PCC PAVEMENT STA: 10+75 - 13+20
STAGE 5 - 7" JOINTED PCC PAVEMENT STA: 13+50 - 15+20
STAGE 6 - HMA PATCHING, HMA & PCC MILLING, AND REFLECTIVE CRACK CONTROL STA: 18+90 - 39+80
STAGE 7 - HMA SURFACE AND PAVEMENT MARKINGS

STRUCTURAL DESIGN DATA (OAKLEY AVENUE)

FACILITY CLASS: II (2-LANE)
LOAD LIMIT: 80,000 LBS
EXISTING ADT: 5,520 (YEAR 2009)
STRUCTURAL DESIGN ADT: 7,000 (YEAR 2029)
PV = 6510 (93.0%)
SU = 350 (5.0%)
MU = 140 (2.0%)
TRAFFIC FACTOR = 1.28
SOIL TYPE: A6
IMMEDIATE BEARING VALUE: 8.2
STRUCTURAL NUMBER: 3.2
SUBGRADE SUPPORT RATING: FAIR

FLEXIBLE BITUMINOUS PAVEMENT - (OVERLAY)

REQUIRED PAVEMENT THICKNESS = 3.5 INCHES
PROPOSED PAVEMENT LAYERS
1 1/2" SURFACE COURSE, HOT-MIX ASPHALT, N-50, IL 9.5
2" BINDER COURSE, HOT-MIX ASPHALT, N-50, IL 9.5

	HMA SURFACE	HMA BINDER
PG GRADE	PG 64-22	PG 64-22
MAX % RAP ALLOWABLE**	15%	25%
DESIGN AIR VOIDS	4.0% @ N50	4.0% @ N50
MIXTURE COMPOSITION	IL 12.5 OR IL 9.5	IL 9.5
FRICTION AGGREGATE	MIXTURE C	
DENSITY TEST METHOD	NUCLEAR / CORES	NUCLEAR / CORES

* Material shall be compacted to 93.0 - 97.4 percent of the maximum theoretical density, except that when placed as first lift on an unimproved subgrade the minimum percent compaction shall be 92.0 percent.
** If the RAP percentage is different than listed above, the PG grade may need to be adjusted. This will be determined by the Engineer.

P.C.C. PAVEMENT - (JOINTED)

REQUIRED PAVEMENT THICKNESS = 7 INCHES

DOWEL SIZE = 1 1/2"

TIE BAR SIZE = #6

LEGEND

- SIDEWALK CURB RAMP
- REMOVING EXISTING STRUCTURE
- ADJUST EXISTING STRUCTURE
- +630.95 GRADE POINT

SUMMARY OF QUANTITIES			
PAY ITEM	DESCRIPTION	UNITS	QUANTITY
35100100	AGG BASE CSE A	TON	615
40600982	HMA SURF REM BUTT JT	SY	51
40600985	PCC SURF REM BUTT JT	SY	269
40603080	HMA BC IL-19.0 N50	TON	1091
40603310	HMA SC "C" N50	TON	1057
40600100	BIT MATLS PR CT	GAL	4766
42000201	PCC PVT 7 JOINTED	SY	3102
42400100	PC CONC SIDEWALK 4	SF	1292
42400800	DETECTABLE WARNINGS	SF	48
44000100	PAVEMENT REM (PCC)	SY	3102
44000155	HMA SURF REM 1 1/2	SY	151
44000161	HMA SURF REM 3	SY	5050
44000500	COMB CURB GUTTER REM	LF	454
44000600	SIDEWALK REM	SF	702
44000900	BIT CONC REMOVAL	SY	1340
44200919	CL B PATCH T2 7	SY	64
44200924	CL B PATCH T3 7	SY	18
44200926	CL B PATCH T4 7	SY	81
44213000	PATCH REINFORCEMENT	SY	99
44300100	AREA REF CR CON TREAT	SY	6390
60255800	MAN ADJ NEW TIF CL	EA	4
60260100	INLETS ADJUST	EA	1
60266600	VALVE BOX ADJ	EA	1
60604400	COMB CC&G TB6.18	LF	454
67100100	MOBILIZATION	L SUM	1
70103900	TRAF CONTROL COMPLETE	J SUM	1
70300100	SHORT-TERM PAVT MKING	LF	2000
* 78000100	THPL PVT MK LTR & SYM	SF	9
* 78000200	THPL PVT MK LINE 4	LF	1000
* 78000400	THPL PVT MK LINE 6	LF	809
* 78000650	THPL PVT MK LINE 24	LF	28
78300105	PAVT MARKING REMOVAL	LF	2000
Z0017100	DOWEL BARS	EA	272
Z0075300	TIE BARS	EA	28

* SPECIALTY ITEMS

FINAL

SCALE: N.T.S.

DESIGNED - JEP	REVISED -
DRAWN - JCL	REVISED -
CHECKED - JEP	REVISED -
DATE - 4/10/09	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

NOTES & QUANTITIES