

SUMMARY OF QUANTITIES				
ITEM #	CODE #	ITEM	UNIT	QUANTITY
1	20400800	FURNISHED EXCAVATION	CU YD	20
2	40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	65
3	40600115	POLYMERIZED BITUMINOUS MATERIALS (PRIME COAT)	GALLON	1027
4	40600300	AGGREGATE (PRIME COAT)	TON	13
5	40600827	POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50	TON	271
6	40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	391
7	40600990	TEMPORARY RAMP	SQ YD	46
8	40603510	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	764
9	40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	10
10	44000153	HOT-MIX ASPHALT SURFACE REMOVAL, 1"	SQ YD	6458
11	44201711	CLASS D PATCHES, TYPE IV, 5 INCH	SQ YD	240
12	48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	124
* 13	63000003	STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS	FOOT	400
* 14	63000025	STEEL PLATE BEAM GUARDRAIL, ATTACHED TO STRUCTURES	FOOT	50
* 15	63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	4
16	63200310	GUARDRAIL REMOVAL	FOOT	25
17	67100100	MOBILIZATION	L SUM	1
18	70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1
19	70300100	SHORT TERM PAVEMENT MARKING	FOOT	544
* 20	78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	6102
* 21	78200410	GUARDRAIL MARKERS, TYPE A	EACH	10
* 22	78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	4
23	Z0034105	MATERIAL TRANSFER DEVICE	TON	764

SEE SPECIAL PROVISIONS

*** SPECIALTY ITEMS**

EARTHWORK SUMMARY						
LOCATION	EARTH EXCAVATION	SHRINKAGE FACTOR	% USED	EARTH EXCAVATION ADJUSTED FOR SHRINKAGE (25%)	EMBANKMENT REQUIRED	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-)
	CUBIC YARD			CUBIC YARD	CUBIC YARD	CUBIC YARD
FAS 247/CH21/BRADFORD RD						
STA 437+07 TO STA 442+06	0	25.00%	100.00%	0	20	-20
	0			0	20	-20
20400800 FURNISHED EXCAVATION				20		CU.YD.

PAVEMENT MARKING SCHEDULE			
LOCATION	PAINT PAVEMENT MARKING PERMANENT		SHORT TERM PAVEMENT MARKING
	4" SINGLE WHITE EDGE LINE	4" SINGLE YELLOW CENTERLINE	
	78001110 FOOT	78001110 FOOT	70300100 FOOT
FAS 247/CH21/BRADFORD RD			
RT. STA 426+13 TO RT. STA 453+25	2712		
CL. STA 426+13 TO CL. STA 453+25		678	544
LT. STA 426+13 TO LT. STA 453+25	2712		
SUBTOTAL	5424	678	544
TOTAL	6102		544

Z0034105 MATERIAL TRANSFER DEVICE SCHEDULE	
LOCATION	TON
FAS 247/CH21/BRADFORD RD	
CL. STA 426+13 TO CL. STA 453+25	764
TOTAL	764

44201711 CLASS D PATCHES, TYPE IV, 5 INCH	
LOCATION	SQ YD
FAS 247/CH21/BRADFORD RD	
LOCATION 1" (92 X 6)	61
LOCATION 2" (60 X 12)	80
LOCATION 3" (162 X 2)	36
LOCATION 4" (190 X 3)	63
* LOCATION TO BE DETERMINED BY ENGINEER	
TOTAL	240

GENERAL NOTES
 1 ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE STATE OF ILLINOIS "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, ADOPTED JANUARY 1, 2012." THESE PLANS AND THE SPECIAL PROVISIONS INCLUDED IN THE CONTRACT DOCUMENTS.

2 THE ROAD SHALL BE OPEN TO TRAFFIC AT ALL TIMES

3 THE ELEVATIONS SHOWN ON THE PLANS ARE AN ASSUMED DATUM AND ARE NOT U.S.G.S. DATUM.

4 THE LOCATIONS OF EXISTING GAS MAINS, ELECTRIC POWER LINES, TELEPHONE LINES AND OTHER UTILITIES AS SHOWN ON THE PLANS ARE BASED ON CAREFUL FIELD INVESTIGATION AND THE BEST INFORMATION AVAILABLE, BUT THE LOCATIONS ARE NOT GUARANTEED. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN THEIR EXACT LOCATION FROM THE INDIVIDUAL UTILITY COMPANIES AND BY FIELD INSPECTION.

5 THE FOLLOWING RATES OF APPLICATION HAVE BEEN USED IN CALCULATING PLAN QUANTITIES:

AGGREGATE BASE COURSE, TYPE B	2.05 TON/CU.YD.
AGGREGATE (PRIME COAT)	4 LBS/SQ.YD.
POLYMERIZED LEVELING BINDER	112 LBS/SQ.YD./INCH THICKNESS
HMA SURFACE COURSE	112 LBS/SQ.YD./INCH THICKNESS
AGGREGATE SHOULDER WEDGE, TYPE B	2.05 TON/CU.YD.

POLYMERIZED BITUMINOUS MATERIALS (PRIME COAT) RATES

SURFACE TYPE	ESTIMATED TRUCK APPLICATION RATE	RESIDUAL RATE
MILLED (HMA OR PCC)	0.10 GAL/SY (0.0004 TON/SY)	0.05 GAL/SY
EXISTING PAVEMENT	0.05 GAL/SY (0.00022 TON/SY)	0.025 GAL/SY
FOG COAT (BETWEEN LIFTS)	0.05 GAL/SY (0.00022 TON/SY)	0.025 GAL/SY

NOTE: ESTIMATED TRUCK APPLICATION RATE IS USED FOR ESTIMATING QUANTITIES

GUARDRAIL SCHEDULE						
LOCATION	STEEL PLATE BEAM GUARD RAIL TYPE A	STEEL PLATE BEAM GUARD RAIL ATTACHED TO STRUCTURES	TRAFFIC BARRIER TYPE 1 SPECIAL (TANGENT)	GUARD RAIL REMOVAL	TERMINAL MARKER DIRECT APPLIED	GUARDRAIL MARKERS TYPE A
	63000003	63000025	63100167	63200310	78201000	78200410
FAS 247/CH21/BRADFORD RD	FOOT	FOOT	EACH	FOOT	EACH	EACH
RT. STA 437+41.15 TO RT. STA 440+72.40	200	25	2		2	5
LT. STA 438+40.91 TO LT. STA 441+72.16	200	25	2		2	5
LT. STA 439+56.53 TO LT. STA 439+81.53				25		
TOTAL	400	50	4	25	4	10

ROADWAY SCHEDULE											
LOCATION	AGGREGATE SURFACE COURSE TYPE B	POLYMERIZED BITUMINOUS MATERIALS (PRIME COAT) TACK COAT	POLYMERIZED BITUMINOUS MATERIALS (PRIME COAT) FOG COAT	AGGREGATE (PRIME COAT)	POLYMERIZED LEVELING BINDER (MACHINE METHOD) IL-4.75, N50	HOT-MIX ASPHALT SURFACE REMOVAL BUTT JOINT	TEMPORARY RAMP	Polymerized HOT-MIX ASPHALT SURFACE COURSE MIX "C", N50	INCIDENTAL HOT-MIX ASPHALT SURFACING	HOT-MIX ASPHALT SURFACE REMOVAL 1"	AGGREGATE WEDGE SHOULDER TYPE B
	40200800 TON	40600115 GAL	40600115 GAL	40600300 TON	40600827 TON	40600982 SQ YD	40600990 SQ YD	40603510 TON	40800050 TON	44000153 SQ YD	48101200 TON
FAS 247/CH21/BRADFORD RD											
STA 426+13 TO STA 453+25	65	663	332	13	271	171	24	742	10	6,458	120
SR. LT. STA 452+84.13		11	5	0	0	110	11	11	0	0	2
SR. RT. STA 452+84.13	0	11	5	0	0	110	11	11	0	0	2
SUB TOTAL	65	685	342	13	271	391	46	764	10	6458	124
TOTAL	65		1027	13	271	391	46	764	10	6458	124