

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
C.H. 36	07-00045-03-BR	McLEAN	27	2
FED. ROAD DIST. NO.		ILLINOIS	CONTRACT NO. 91388	

**SUMMARY OF QUANTITIES**

		CONSTRUCTION CODE X020-2H	
CODE NO	ITEM	UNIT	QUANTITY
20200100	EARTH EXCAVATION	CU YD	75
20300100	CHANNEL EXCAVATION	CU YD	255
20400800	FURNISHED EXCAVATION	CU YD	160
20700300	POROUS GRANULAR EMBANKMENT, SPECIAL	TON	105
> 25001000	SEEDING, CLASS 2 (SPECIAL)	ACRE	0.6
> 28101500	RIPRAP, SPECIAL	SO YD	958
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	30
40300100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	110
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SO YD	130
40600990	TEMPORARY RAMP	SO YD	48
40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	237
40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	94
42001165	BRIDGE APPROACH PAVEMENT	SO YD	214
42001300	PROTECTIVE COAT	SO YD	544
44000100	PAVEMENT REMOVAL	SO YD	251
48101200	AGGREGATE SHOULDERS, TYPE B	TON	320
50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1
50300225	CONCRETE STRUCTURES	CU YD	31.7
50300255	CONCRETE SUPERSTRUCTURE	CU YD	137.4
50300260	BRIDGE DECK GROOVING	SO YD	523
50300280	CONCRETE ENCASEMENT	CU YD	16.3
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	38,590
50800515	BAR SPLICERS	EACH	66
* 50900205	STEEL RAILING, TYPE S1	FOOT	194
51201400	FURNISHING STEEL PILES HP10X42	FOOT	1,080
51202305	DRIVING PILES	FOOT	1,080
51203400	TEST PILE STEEL HP10X42	EACH	2
51500100	NAME PLATES	EACH	1
> 54200223	PIPE CULVERTS, CLASS D, TYPE 1 18"	FOOT	34
> 59100100	GEOCOMPOSITE WALL DRAIN	SO YD	36
60100060	CONCRETE HEADWALL FOR PIPE DRAINS	EACH	4
60109580	PIPE UNDERDRAINS FOR STRUCTURES 4"	FOOT	110
* 63000002	STEEL PLATE BEAM GUARD RAIL, TYPE A <i>6.75 FOOT POSTS</i>	FOOT	300
* 63100075	TRAFFIC BARRIER TERMINAL, TYPE 5A	EACH	4
67100100	MOBILIZATION	L SUM	1
> * 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	1,350
> * 78200405	GUARDRAIL MARKERS	EACH	10
> * 78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	4
> * LR631020	TRAFFIC BARRIER TERMINAL, TYPE 1	EACH	4
XX005543	STEEL PLATE BEAM GUARD RAIL REMOVAL AND SALVAGE	FOOT	300

> SEE SPECIAL PROVISIONS  
\*SPECIALTY ITEMS

PAINT PAVEMENT MARKING - 4"		
LOCATION	SINGLE WHITE EDGE LINE	SKIP DASH YELLOW CENTERLINE
	78001110	
	FOOT	FOOT
RT STA 7+00 TO RT STA 13+00	600	
CL STA 7+00 TO RT STA 13+00		150
LT STA 7+00 TO CL STA 13+00	600	
SUB TOTAL	1200	150
TOTAL	1350	

GUARD RAIL SCHEDULE						
LOCATION	STEEL PLATE BEAM GUARDRAIL TYPE A	TRAFFIC BARRIER TERMINAL		TERMINAL MARKER DIRECT APPLIED	GUARDRAIL MARKERS	STEEL PLATE BEAM GUARDRAIL REMOVE & SALVAGE
	63000000	LR631020	63100075	78201000	78201000	XX005543
	FOOT	EACH	EACH	EACH	EACH	FOOT
RT STA. 8+04.0 TO RT STA. 9+42.2	100	1	1	1		75
LT STA. 8+72.5 TO LT STA. 9+60.7	50	1	1	1		75
RT STA. 10+39.3 TO RT STA. 11+27.6	50	1	1	1		75
LT STA. 10+57.8 TO LT STA. 11+96.0	100	1	1	1		75
RT STA. 8+04.0 TO RT STA. 11+27.6					5	
LT STA. 8+72.5 TO LT STA. 11+96.0					5	
TOTAL	300	4	4	4	10	300

**GENERAL NOTES**

ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE STATE OF ILLINOIS "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, ADOPTED JANUARY 1, 2007," THESE PLANS AND THE SPECIAL PROVISIONS INCLUDED IN THE CONTRACT DOCUMENTS.

ALL CLEARING AND GRUBBING AND REMOVAL OF EXISTING DRAINAGE STRUCTURES SHALL BE INCLUDED IN EARTH EXCAVATION. ALL MATERIAL SHALL BE PROPERLY DISPOSED OF BY THE CONTRACTOR IN A METHOD APPROVED BY THE ENGINEER. PROPER DISPOSAL OF BITUMINOUS MATERIAL SHALL BE INCLUDED IN PAVEMENT REMOVAL AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

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.

WHERE SECTION OR SUBSECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL PROPERTY MARKS AND MONUMENTS UNTIL THE OWNER, AN AUTHORIZED SURVEYOR OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION.

THE AREA TO BE SEEDED SHALL CONSIST OF ALL DISTURBED EARTH SURFACES WITHIN THE RIGHT-OF-WAY AS DIRECTED BY THE ENGINEER.  
ESTIMATED QUANTITY = SEEDING CLASS 2 (SPECIAL) = 0.6 ACRES

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

HOT MIX ASPHALT	112 LB/IN/SQ YD
POROUS GRANULAR EMBANKMENT (SPECIAL)	2.00 TON/CU YD
AGGREGATE BASE COURSE	2.05 TON/CU YD
AGGREGATE SHOULDERS	2.00 TON/CU YD
BIT. MATERIALS (PRIME COAT)	0.10 GAL/SQ YD

**ROADWAY SCHEDULE**

LOCATION	AGGREGATE SURFACE COURSE TYPE B	BITUMINOUS MATERIAL PRIME COAT	BITUMINOUS SURFACE REMOVAL BUTT-JOINT	TEMPORARY RAMP	HOT-MIX ASPHALT BINDER CSE. IL-19.0 N50	HOT-MIX ASPHALT SURF. CSE MIX "C", N50	BRIDGE APPROACH PAVEMENT	PROTECTIVE COAT	PAVEMENT REMOVAL	AGGREGATE SHOULDER TYPE B	BRIDGE DECK GROOVING
	40200800	40300100	40600982	40600990	40603080	40603310	42001165	42001300	44000100	48101200	50300260
	TON	GAL	SQ YD	SQ YD	TON	TON	SQ YD	SQ YD	SQ YD	TON	SQ YD
STA 7+00.00 TO STA 9+53.63		55	49	24	153	47	107	107	128	177	107
STA 9+53.63 TO STA 10+46.37								330			309
STA 10+46.37 TO STA 13+00.00		55	81	24	84	47	107	107	123	143	107
ENTRANCES	30										
TOTAL	30	110	130	48	237	94	214	544	251	320	523

**MIXTURE REQUIREMENTS**

LOCATION(S):	C.H. 36
MIXTURE USE(S):	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50
AC/PG:	PG 64-22
RAP % (MAX):	25%
DESIGN AIR VOIDS:	4% @ NDes 50
MIXTURE COMPOSITION: (GRADATION MIXTURE):	IL 19.0
FRICTION AGGREGATE:	NONE
MIXTURE WEIGHTS	112 LBS/SY/INCH THICKNESS

**MIXTURE REQUIREMENTS**

LOCATION(S):	C.H. 36
MIXTURE USE(S):	HOT-MIX ASPHALT SURFACE
AC/PG:	PG 64-22
RAP % (MAX):	15%
DESIGN AIR VOIDS:	4% @ NDes 50
MIXTURE COMPOSITION: (GRADATION MIXTURE):	IL 9.5
FRICTION AGGREGATE:	MIXTURE C
MIXTURE WEIGHTS	112 LBS/SY/INCH THICKNESS

**EARTHWORK SCHEDULE**

LOCATION	EARTH EXCAVATION	CHANNEL EXCAVATION	SHRINKAGE FACTOR	PERCENT USED	EARTH EXCAVATION ADJUSTED FOR SHRINKAGE	EMBANKMENT REQUIRED	EARTHWORK BALANCE
	20200100	20300100					
	CU.YD.	CU.YD.			CU.YD.	CU.YD.	CU.YD.
CH 36							
STA. 7+00 TO STA. 9+53.63	49		0.25	100	37	213	-176
STA. 9+53.63 TO STA. 10+46.37			0.25	100	0	0	0
STA. 10+46.37 TO STA. 13+00	26		0.25	100	20	137	-117
ENTRANCES	0		0.25	100	0	0	0
CHANNEL EXCAVATION		255	0.25	70	134	0	134
GRAND TOTAL	75	255			191	350	-159
USE TOTAL	75	255			191	350	-160

20400800 FURNISHED EXCAVATION = 160 CU YD

**HAMPTON, LENZINI & RENWICK, INC.**  
 CIVIL & STRUCTURAL ENGINEERS  
 LAND SURVEYORS  
  
 3085 STEVENSON DRIVE, SUITE 201  
 SPRINGFIELD, ILLINOIS 62703  
 (217) 546-3400  
 ELGIN • SPRINGFIELD  
 PROJECT NUMBER: 12-59-0055-1 DATE: 02/19/09  
 DESIGNED: S.W.M. CHECKED: L.P.S. DRAWN: D.A.B.

**SUMMARY OF QUANTITIES  
AND GENERAL NOTES**  
 SECTION 07-00045-03-BR  
 C.H. 36 / F.A.S. 487  
 McLEAN COUNTY