

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	PHASE I QUANTITY
20200500	EARTH EXCAVATION (WIDENING)	CU YD	1,729
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	1,729
20400800	FURNISHED EXCAVATION	CU YD	3,492
25000110	SEEDING, CLASS 1A	ACRE	4.0
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	354
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	354
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	354
25000700	AGRICULTURAL GROUND LIMESTONE	TON	8
25100115	MULCH, METHOD 2	ACRE	4.0
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	393
28000300	TEMPORARY DITCH CHECKS	EACH	10
28000400	PERIMETER EROSION BARRIER	FOOT	4,167
28000500	INLET AND PIPE PROTECTION	EACH	3
35100100	AGGREGATE BASE COURSE, TYPE A	TON	325
35101100	AGGREGATE BASE COURSE, TYPE A 12"	SQ YD	2,547
35600700	HOT-MIX ASPHALT BASE COURSE WIDENING, 6"	SQ YD	1,763
40201000	AGGREGATE FOR TEMPORARY ACCESS	TON	110
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	8,122
40600300	AGGREGATE (PRIME COAT)	TON	175
40600895	CONSTRUCTING TEST STRIP	EACH	2
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	885
40600990	TEMPORARY RAMP	SQ YD	245
40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	9,808
40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	3,270
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	119
44201717	CLASS D PATCHES, TYPE II, 6 INCH	SQ YD	58
44201721	CLASS D PATCHES, TYPE III, 6 INCH	SQ YD	20
44201723	CLASS D PATCHES, TYPE IV, 6 INCH	SQ YD	1,603
48100300	AGGREGATE SHOULDERS, TYPE A 4"	SQ YD	10,380
50102400	CONCRETE REMOVAL	CU YD	14.3
54000900	BOX CULVERT END SECTIONS, SPECIAL	EACH	9
54248515	CONCRETE COLLAR	EACH	9
* 63000000	STEEL PLATE BEAM GUARD RAIL, TYPE A	FOOT	1,825.0
* 63100167	TRAFFIC BARRIER TERMINAL TYPE 1, SPECIAL (TANGENT)	EACH	14
* 63300640	REMOVAL AND REPLACEMENT OF TERMINAL SECTION, SINGLE RAIL	EACH	1
67100100	MOBILIZATION	L SUM	1
70103700	TRAFFIC CONTROL COMPLETE	L SUM	1
72000100	SIGN PANEL - TYPE 1	SQ FT	238
72400500	RELOCATE SIGN PANEL ASSEMBLY - TYPE A	EACH	2
72900100	METAL POST - TYPE A	FOOT	459
* 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	49,806
* 78200410	GUARDRAIL MARKERS, TYPE A	EACH	24
* 78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	14
Z0005300	BOX CULVERTS TO BE CLEANED	EACH	1
XX001391	PRECAST CONCRETE BOX CULVERT EXTENSION	FOOT	43

\*DENOTES SPECIALTY ITEMS

NOTE: FUNDING IS 80% FEDERAL AND 20% STATE / LOCAL

STRUCTURAL DESIGN TRAFFIC:	MID-LIFE YEAR: 2017
PV = 766	SU = 61 MU = 44
ROAD / STREET CLASSIFICATION:	CLASS = III
PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE:	
P = 88.00%	S = 7.00% M = 5.00%
TRAFFIC FACTOR:	ACTUAL T. 0.235 AC TYPE SEE BELOW
	MINIMUM TF = 0.5
SUBGRADE SUPPORT RATING:	
	SSR = POOR (STA. 30+00 TO 178+00)
NOTE: FALLING WEIGHT DEFLECTOMETER (FWD) TESTING WAS PERFORMED AND USED TO DETERMINE THE PERFORMANCE OF THE EXISTING STRUCTURE	

MIXTURE COMPOSITION TABLE:	
MIXTURE USE:	SURFACE
APPLICATION:	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50
AIR VOIDS / Ndes:	4.0% @ Ndes 50
PG BINDER GRADE:	64-22
MIXTURE COMPOSITION:	IL 12.5
FRICITION AGGREGATE:	MIXTURE C
RAP % (MAX):	15%
MIXTURE WEIGHT:	112 LB/SY/INCH
MIXTURE USE:	BINDER
APPLICATION:	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50
AIR VOIDS / Ndes:	4.0% @ Ndes 50
PG BINDER GRADE:	PG 64-22
MIXTURE COMPOSITION:	IL 19.0
RAP % (MAX):	25%
MIXTURE WEIGHT:	112 LB/SY/INCH