

SUMMARY OF QUANTITIES

CODE	PAY ITEM	UNIT	QUANTITY HIGHWAY 10	TOTAL QUANTITY
20200600	EXCAVATION AND GRADING EXISTING SHOUDLER	UNIT	456	456
20400800	FURNISHED EXCAVATION	CU YD	634	634
25000200	SEEDING CLASS 2	ACRE	0.5	0.5
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	36	36
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	36	36
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	36	36
25100115	MULCH METHOD 2	ACRE	0.5	0.5
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	40	40
28000400	PERIMETER EROSION BARRIER	FOOT	1,729	1,729
40600370	LONGITUDINAL JOINT SEALANT	FOOT	23,495	23,495
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	30,681	30,681
40604050	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C" N50	TON	6,681	6,681
44000156	HOT-MIX ASPHALT SURFACE REMOVAL 1 3/4"	SQ YD	57,432	57,432
48102100	AGGREGATE SHOULDER WEDGE, TYPE B	TON	740	740
48203037	HOT-MIX ASPHALT SHOULDER, 10"	SQ YD	10,745	10,745
Δ 63000003	STEEL PLATE BEAM GUARDRAIL, TYPE A 9 FOOT POSTS	FOOT	1,100	1,100
Δ 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	8	8
63200310	GUARDRAIL REMOVAL	FOOT	1,316	1,316
67100100	MOBILIZATION	L SUM	1	1
70100450	TRAFFIC CONTROL AND PROTECTION STANDARD 701201	L SUM	1	1
70100460	TRAFFIC CONTROL AND PROTECTION STANDARD 701306	L SUM	1	1
70100500	TRAFFIC CONTROL AND PROTECTION STANDARD 701326	L SUM	1	1
70300100	SHORT TERM PAVEMENT MARKING	FOOT	2,350	2,350
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	783	783
70300221	TEMPORARY PAVEMENT MARKING - LINE 4" - PAINT	FOOT	64,953	64,953
Δ 72501000	TERMINAL MARKER DIRECT APPLIED	EACH	8	8
Δ 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	64,952	64,952
Δ 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	294	294
Δ 78200005	GUARDRAIL REFLECTORS TYPE A	EACH	20	20
# 20076600	TRAINEES	Hour	500	500
78300201	PAVEMENT MARKING REMOVAL - GRINDING	SQ FT	21,651	21,651
LR443200	STRIP REFLECTIVE CRACK CONTROL TREATMENT	FOOT	45,590	45,590
# 20076604	TRAINEES TRAINING PROGRAM GRADUATE	Hour	500	500
20034105	MATERIAL TRANSFER DEVICE	TON	6,681	6,681

Δ SPECIALTY ITEMS # 0042

GENERAL NOTES

THE THICKNESS OF THE HOT-MIX ASPHALT 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 ON WHICH THE HOT-MIX ASPHALT IS PLACED.

THE CONTRACTOR SHALL BE AWARE THAT THERE ARE MANHOLES AND VALVES LOCATED WITHIN THE RESURFACING LIMITS. CARE SHALL BE TAKEN IN THESE LOCATIONS TO ENSURE THAT THESE ITEMS ARE NOT DAMAGED DURING MILLING OR RECLAMATION OPERATIONS.

AN ESTIMATED 6700 TONS OF HOT-MIX ASPHALT MATERIAL WILL BE REMOVED FROM THIS PROJECT DURING MILLING OPERATIONS.

FACTORS USED FOR QUANTITY CALCULATIONS ARE AS FOLLOWS:
PAVING

ALL HOT-MIX ASPHALT	0.056 TONS/SQ.YD./INCH
BITUMINOUS MATERIALS (TACK COAT)	0.05 POUNDS/SQ.FT.
BITUMINOUS MATERIALS (FOG COAT)	0.025 POUNDS/SQ.FT.
BITUMINOUS MATERIALS (PRIME COAT)	0.25 POUNDS/SQ.FT.

THE FOLLOWING HMA MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT:

LOCATION(S):	STA. 177+38.51 - STA. 412+33.28	STA. 177+38.51 - STA. 405+33.43
MIXTURE USE(S):	SURFACE	SHOULDER
PG:	PG 64-22	PG 64-22
DESIGN AIR VOIDS:	4% @ N50	4% @ N50
MIXTURE COMPOSITION: (MIXTURE GRADATION)	IL 9.5	IL 19.0
FRICTION AGGREGATE:	MIX "C"	N/A
MIXTURE WEIGHT:	112 LB/SQ YD-INCH	112 LB/SQ YD-INCH
QUALITY MANAGEMENT PROGRAM:	QCP	QC/QA
MATERIAL TRANSFER DEVICE REQUIRED	YES	NO

~~1/ WHEN A NUMBER OF ROLLER PASSES IS SPECIFIED THE CONTRACTOR MAY OPT OUT TO USE INTELLIGENT COMPACTION IN LIEU OF DENSITY TESTING UNDER THE QUALITY CONTROL FOR PERFORMANCE (QCP) PROGRAM.~~

LONGITUDINAL JOINT SEALANT SHALL BE PLACED UNDER THE SURFACE LIFT HMA ALONG THE LONGITUDINAL CENTERLINE JOINT THROUGHOUT THE PROJECT LIMITS.

ALL DISTURBED EARTHWORK AREAS SHALL BE SEEDED IMMEDIATELY UPON COMPLETION OF EARTHWORK ACTIVITIES AT EACH LOCATION WITH TEMPORARY EROSION CONTROL SEEDING.

ALL EARTHWORK AREAS SHALL HAVE PERIMETER EROSION CONTROL BARRIER INSTALLED IMMEDIATELY UPON COMPLETING AT EACH LOCATION AS SHOWN IN THE PLANS.

HMA SURFACE COURSE OVERLAY SHALL BE PLACED OVER HOT-MIX ASPHALT SHOULDERS 10" CONCURRENTLY WITH THE MAINLINE OVERLAY AT THE CROSS SLOPES SHOWN IN THE PLANS.

KNOWN UTILITIES WITHIN PROJECT LIMITS:

NATURAL GAS & ELECTRIC	AMEREN ILLINOIS
TELEPHONE & CABLE TV	EGYPTIAN TELEPHONE
NATURAL GAS	SUNCO ENERGY TRANSFER
WATER	WASHINGTON COUNTY WATER
ELECTRIC	TRI-COUNTY ELECTRIC

F.A.S ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
836	18-00084-00-RS	WASHINGTON	25	2
FEDERAL AID PROJECT			CONTRACT 97772	

APPLICABLE IDOT
HIGHWAY STANDARDS

280001-07	701306-04
482001-02	701311-03
630001-12	701326-04
630301-09	701901-08
701001-02	725001-01
701006-05	780001-05
701011-04	782006-01
701201-05	
701301-04	

COMMITMENTS

NONE

Δ Revised 6/1/22