

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY
20200100	EARTH EXCAVATION	CU YD	501
20800150	TRENCH BACKFILL	CU YD	100
25000100	SEEDING, CLASS 1	ACRE	0.70
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	63
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	63
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	63
25100115	MULCH, METHOD 2	ACRE	0.70
25100630	EROSION CONTROL BLANKET	SQ YD	758
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	65
28000500	INLET AND PIPE PROTECTION	EACH	9
30200650	PROCESSING MODIFIED SOIL 12"	SQ YD	5143
30201500	LIME	TON	99
35100100	AGGREGATE BASE COURSE, TYPE A	TON	186
40201000	AGGREGATE FOR TEMPORARY ACCESS	TON	150
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	321
40600300	AGGREGATE (PRIME COAT)	TON	7
40600982	HOT-MIX ASPHALT SURFACE REMOVAL, BUTT-JOINT	SQ YD	117
40603085	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N/0	TON	1021
40603340	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N/0	TON	481
48800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	72
42091300	PROTECTIVE COAT	SQ YD	824
42300200	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH	SQ YD	200
42400100	PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	SQ FT	3793
42400800	DETECTABLE WARNINGS	SQ FT	56
44000100	PAVEMENT REMOVAL	SQ YD	4861
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	125
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	2992
44000600	SIDEWALK REMOVAL	SQ FT	3684
50105220	PIPE CURVE REMOVAL	FOOT	229
550A2320	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 12"	FOOT	688
56109210	WATER VALVES TO BE ADJUSTED	EACH	1
56500300	DOMESTIC METER VAULTS TO BE ADJUSTED	EACH	1
50218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1
60237000	INLETS, TYPE A, TYPE 15 FRAME AND LID	EACH	4
60240320	INLETS, TYPE B, TYPE 15 FRAME AND LID	EACH	4
60262700	INLETS TO BE RECONSTRUCTED	EACH	1
60500060	REMOVING INLETS	EACH	4
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	2965
67100100	MOBILIZATION	L SUM	1
72000100	SIGN PANEL-TYPE 1	SQ FT	39.25
72900100	METAL POST-TYPE A	FOOT	60
*78000200	THERMOPLASTIC PAVEMENT MARKING-LINE 4"	FOOT	2912
*78000400	THERMOPLASTIC PAVEMENT MARKING-LINE 6"	FOOT	269
*78000650	THERMOPLASTIC PAVEMENT MARKING-LINE 24"	FOOT	43
LR430040	PAVING BRICK SIDEWALK	SQ YD	114
X0324864	DRAIN CONNECTIONS	FOOT	25
X2010400	STUMP REMOVAL ONLY	UNIT	74
X2110100	TOPSOIL FURNISHED AND PLACED, SPECIAL	CU YD	70
X4404700	SIDEWALK REMOVAL (SPECIAL)	SQ FT	898
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1
Z0007125	HANDRAIL REMOVAL	EACH	3
Z0012455	CONCRETE STEP REMOVAL	EACH	8
Z0056608	STORM SEWER (WATER MAIN REQUIREMENTS) 12 INCH	FOOT	104

*SPECIALTY ITEM

GENERAL NOTES

- ALL CONSTRUCTION SHALL BE DONE ACCORDING TO THE ILLINOIS DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, ADOPTED JANUARY 1, 2007.
- THE PROPOSED EMBANKMENT SHALL BE BENCHED INTO THE EXISTING SLOPES TO THE SATISFACTION OF THE ENGINEER.
- "ROAD CONSTRUCTION AHEAD" SIGNS SHALL BE PLACED AT THE BEGINNING AND END OF THE PROJECT PLUS THE INTERSECTING SIDE ROADS AND WILL BE INCLUDED IN THE TRAFFIC CONTROL PAY ITEMS. ALL CONSTRUCTION SIGNS SHALL BE FLUORESCENT ORANGE 48"x48".
- ALL AREAS DISTURBED FOR ANY REASON WITHIN THE CONSTRUCTION LIMITS SHALL BE SEEDED WITH CLASS 1 SEEDING. NUTRIENTS SHALL CONFORM TO ARTICLE 250.04. AREAS DISTURBED BEYOND THE CONSTRUCTION LIMITS SHALL BE SEEDED BY THE CONTRACTOR AT HIS/HER OWN EXPENSE.
- THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
- THE CONTRACTOR SHALL COORDINATE WITH RESIDENTS PRIOR TO REMOVAL AND REPLACEMENT OF DRIVEWAYS.
- PROTECTIVE COAT SHALL BE APPLIED TO ALL GUTTER FLAGS AND FACE OF CURBS.
- THE EXISTING PROPERTY LINES SHOWN HEREON HAS BEEN PROTRACTED FROM EXISTING RECORDS AND IS TO BE USED FOR REFERENCE PURPOSES ONLY. FURTHERMORE, NO COMPLETE SURVEY OF SAID PROPERTY LINES IS IMPLIED BY THESE DRAWINGS.
- AN ESTIMATED QUANTITY OF 150 TONS OF AGGREGATE FOR TEMPORARY ACCESS HAS BEEN INCLUDED IN THE PLANS FOR THE PURPOSE OF MAINTAINING ACCESS TO PRIVATE PROPERTY AND LOCAL TRAFFIC THROUGHOUT CONSTRUCTION OPERATIONS.
- FACTORS USED FOR APPLICATION RATES AND QUANTITY CALCULATIONS ARE AS FOLLOWS:
PAVING
 ALL HOT-MIX ASPHALT 0.056 TONS/SQ. YD./INCH
 BITUMINOUS MATERIALS (PRIME COAT) 0.075 GAL./SQ. YD.
 AGGREGATE (PRIME COAT) 0.0015 TONS/SQ. YD.
 AGGREGATE BASE COURSE 0.0555 TONS/SQ. YD./INCH
SEEDING
 NITROGEN FERTILIZER NUTRIENT 90 LBS/ACRE
 PHOSPHORUS FERTILIZER NUTRIENT 90 LBS/ACRE
 POTASSIUM FERTILIZER NUTRIENT 90 LBS/ACRE
 MULCH 2 TONS/ACRE
LIME MODIFIED SOILS
 SOIL 1.4445 TONS/CU. YD.
 LIME (4% OF SOIL) 0.01926 TONS/SQ. YD./12 IN.
 WATER 15 GAL./SQ. YD./12 IN.
- CHANGES IN THE VERTICAL OR HORIZONTAL DIMENSIONS OF GUTTERS, CURBS, OR CURB AND GUTTERS, WHEN TRANSITIONS FROM ONE TYPE TO ANOTHER AS SHOWN IN THE PLANS, WILL BE PAID FOR AT THE CONTRACT PRICE PER FOOT FOR THE TYPE SPECIFIED IN THE PLAN SCHEDULE.
- THE REMOVAL OF ANY CURB AND GUTTER SHALL ALSO INCLUDE THE DISCONNECTION OF THE EXISTING CURB AND GUTTER AND GUTTER FROM ANY REINFORCEMENT OR COLLATERAL MATERIAL THAT MAY BE PRESENTLY ATTACHED. THERE SHALL NOT BE ANY ADDITIONAL REMUNERATION BUT THIS WORK SHALL BE CONSIDERED AS INCLUDED IN THE REMOVAL ITEM.
- IF ASH TREES ARE REMOVED ON THE PROJECT, THE CONTRACTOR SHALL BECOME FAMILIAR WITH AND COMPLY WITH MEASURES SPECIFIED BY THE ILLINOIS DEPARTMENT OF AGRICULTURE (IDOA) TO PREVENT THE SPREAD OF THE EMERALD ASH BORER. THE IDOA INFORMATION FOR ASH TREE REMOVAL CAN BE FOUND ON THE IDOA WEBSITE AT WWW.AGR.STATE.ILL.US/EAB.
- THE TOP 6 INCHES OF ALL NECESSARY BACKFILL SHALL BE FREE FROM ALL ROCKS OR FOREIGN DEBRIS.
- ALL PIPE DRAINS/ROOF DRAINS, BOTH EXPOSED AND UNEXPOSED, THAT DISCHARGE OVER TOP THE EXISTING CURB SHALL BE DISCHARGED INTO THE NEAREST INLET OR STORM SEWER PIPE. THE PIPE SHALL BE INSTALLED AT A MINIMUM GRADIENT OF 0.50%. IN AREAS WHERE NO STORM SEWER IS PRESENT PIPE DRAINS/ROOF DRAINS SHALL BE PLACED UNDER PROPOSED SIDEWALK AND DAYLIGHTED. ALL EQUIPMENT, MATERIALS, AND LABOR REQUIRED TO COMPLETE THIS WORK SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR DRAIN CONNECTIONS AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- LANDSCAPING ITEMS WITHIN THE LIMITS OF CONSTRUCTION WHICH MUST BE REMOVED SHALL BE SALVAGED FOR RE-USE OR DISPOSAL AS DIRECTED BY THE ENGINEER. REMOVAL AND/OR SALVAGE OF LANDSCAPING ITEMS SHALL BE INCLUDED IN THE COST OF THE CONTRACT.
- BRICK PAVERS ALONG SIDEWALKS, INDIVIDUAL WALKWAYS AND DRIVEWAYS, SHALL BE RETAINED OR REPLACED IN KIND TO MATCH IN COLOR, SIZE AND HERRINGBONE PATTERN AT INTERSECTIONS WHERE BRICK REPLACEMENT IS NECESSARY TO ENSURE PEDESTRIAN ACCESSIBILITY. STAMPED CONCRETE OR PAVERS MAY BE SUBSTITUTED AS LONG AS THE SUBSTITUTE MATCHES THE ADJACENT BRICK EXACTLY IN PATTERN, COLOR AND DIMENSIONS.

COMMITMENTS

AT THE REQUEST OF THE ILLINOIS HISTORICAL PRESERVATION AGENCY THE CITY OF LEBANON HAS COMMITTED TO REPLACE CURB RAMP WITH STAMPED COLORED CONCRETE OR PAVING BRICKS TO MATCH EXISTING BRICK SIDEWALK WHICH ADJUTS THE RAMPS. ALSO, AT IHPA'S REQUEST ALL BRICKS REMOVED FROM THE PROJECT FOR ANY REASON SHALL BE SALVAGED FOR FUTURE USE IN REPAIR OF EXISTING SIDEWALKS.

FOR THIS PROJECT:

MIXTURE USES	SURFACE COURSE	BINDER COURSE	INCIDENTAL
PG. PG	PG. 34-22	PG. 64-22	PG. 64-22
TEMP. & MAX. I	1.5%	1.5%	1.5%
DESIGN AIR VELOCITY	4.0% @ Nodes=70	4.0% @ Nodes=70	4.0% @ Nodes=70
MAX. COMPOSITION (SEPARATION MIXTURE)	IL-19.0		
FUNCTION APP.	MIXTURE D	MIXTURE B	MIXTURE D

HORIZONTAL CONTROL TIES

