

SUMMARY OF QUANTITIES

CODE NUMBER	ITEM	UNIT	QUANTITIES
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	15
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	66
20200100	EARTH EXCAVATION	CU YD	1030
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	2,735
25001000	SEEDING, CLASS 2 (SPECIAL)	ACRE	0.9
28000200	EARTH EXCAVATION FOR EROSION CONTROL	CU YD	60
28000300	TEMPORARY DITCH CHECKS	EACH	14
35101400	AGGREGATE BASE COURSE, TYPE B	TON	4,044
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	100
40800010	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	608
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	275
42000215	PORTLAND CEMENT CONCRETE PAVEMENT 7 3/4"	SQ YD	9,401
42001300	PROTECTIVE COAT	SQ YD	10,797
42300300	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 7 INCH	SQ YD	764
42400100	PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	SQ FT	490
44000100	PAVEMENT REMOVAL	SQ YD	11,315
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	490
44000500	CONCRETE CURB AND GUTTER REMOVAL	FOOT	47
44000600	SIDEWALK REMOVAL	SQ FT	587
56500300	DOMESTIC METER VAULTS TO BE ADJUSTED	EACH	1
60256200	MANHOLES TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID	EACH	9
60260100	INLETS TO BE ADJUSTED	EACH	7
60260500	INLETS TO BE ADJUSTED WITH NEW TYPE 3 FRAME AND GRATE	EACH	5
60261100	INLETS TO BE ADJUSTED WITH NEW TYPE 9 FRAME AND GRATE	EACH	1
60266600	VALVE BOXES TO BE ADJUSTED	EACH	7
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	4,864
67100100	MOBILIZATION	L SUM	1
70103700	TRAFFIC CONTROL COMPLETE	L SUM	1
* 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	719
* 78001150	PAINT PAVEMENT MARKING - LINE 12"	FOOT	50
X0932150	CURB & GUTTER OUTLET, SPECIAL	EACH	2
XX002053	LANDSCAPE RESTORATION	L SUM	1
XX006616	LANDSCAPE REMOVAL	EACH	2

* SPECIALTY ITEMS

GENERAL NOTES

- THIS SECTION SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS FOR ROAD & BRIDGE CONSTRUCTION" ADOPTED JANUARY 1,2007.
- ANY REFERENCE TO STANDARDS THROUGHOUT THE PLANS SHALL BE INTERPRETED TO BE THE LATEST STANDARDS OF THE DEPARTMENT.
- PLAN ELEVATIONS ARE BASED ON U.S.G.S. ELEVATIONS.
- WHERE SECTION OR SUB-SECTION MARKERS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED OR COVERED UP. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL MONUMENTS UNTIL AN AUTHORIZED SURVEYOR OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATIONS.
- THE WORK INCLUDED CONSISTS OF THE CONSTRUCTION OF AN AGGREGATE BASE, P.C.C. PAVEMENT, CURB AND GUTTERS, SIDEWALKS, STORM SEWERS, AND OTHER ITEMS NECESSARY TO COMPLETE THE PROJECT.
- PORTIONS OF THE ROAD WILL BE CLOSED TO THRU TRAFFIC DURING CONSTRUCTION. SEE SPECIAL PROVISIONS FOR DETAILS.

7) BEFORE WORKING WITH OR AROUND UTILITIES, THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE ILLINOIS ONE-CALL SYSTEM JULIE AT 1-800-892-0123, 48 HOURS (EXCLUDING WEEKENDS AND/OR HOLIDAYS) PRIOR TO DIGGING. JULIE WILL NOTIFY THE OWNERS/OPERATORS OF UNDERGROUND FACILITIES WHO ARE JULIE MEMBERS OF THE PLANNED DIGGING ACTIVITY. THE FOLLOWING IS A LIST OF UTILITIES:

- A) ELECTRIC AND GAS - AMERENCIPS
P.O. BOX 66878
ST. LOUIS, MO 63166-6878
PHONE: 800-232-2477
- B) TELEPHONE - VERIZON
- C) WATER AND SEWER - CITY OF PARIS
NORTH HIGH STREET
PARIS, IL 61944
- D) CABLE TELEVISION - CHARTER COMMUNICATIONS
1 (800) 871-4485

8) THE EXISTING TRAFFIC CONTROL SIGNS WHICH INTERFERE WITH THE CONSTRUCTION OPERATIONS SHALL BE REMOVED AND RESET AS DIRECTED BY THE ENGINEER. THE COST FOR DOING THIS WORK WILL BE CONSIDERED INCIDENTAL TO THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

DESIGN INFORMATION

1) SUMMARY OF EARTH WORK

STATION TO STATION	EARTH EXCAVATION (CU. YD.)	EXCAVATION USED FOR EMBANKMENT ADJUSTED FOR SHRINKAGE (CU. YD.)	EMBANKMENT (CU. YD.)	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-) (CU. YD.)
5+72.78 TO 34+48.66	1030	20	0	1010
TOTAL =	1030	20	0	1010

EARTHWORK BALANCE SHORTAGE = FURNISHED EXCAVATION

EARTH EXCAVATION SHRINKAGE FACTOR = 20%

NO PAYMENT WILL BE ALLOWED FOR OVERHAUL OF EARTH TO OR FROM ANY SOURCE.

6) SEEDING

THE FOLLOWING ESTIMATED QUANTITIES ARE BASED ON SEEDING FROM R.O.W. TO R.O.W. WITH APPROPRIATE DEDUCTION FOR PAVEMENT, SHOULDERS, AND DRIVEWAYS, FROM STA. 5+72.78 TO STA. 34+48.66.

APPLICATION RATES:

- 90 LBS. / ACRE NITROGEN FERTILIZER NUTRIENT
- 90 LBS. / ACRE PHOSPHORUS FERTILIZER NUTRIENT
- 90 LBS. / ACRE POTASSIUM FERTILIZER NUTRIENT
- 2 TON / ACRE MULCH (METHOD 2)

SUMMARY OF SEEDING:

- SEEDING, CLASS 1 (SPECIAL) = 0.9 ACRES
- NITROGEN FERTILIZER NUTRIENT = 81 LBS.
- PHOSPHORUS FERTILIZER NUTRIENT = 81 LBS.
- POTASSIUM FERTILIZER NUTRIENT = 81 LBS.
- MULCH (METHOD 2) = 1.8 ACRES

3) AGGREGATE BASE COURSE, TYPE B

PLAN QUANTITY INCLUDES A MAINLINE WIDTH OF 2 FEET OUTSIDE THE BACK OF THE CURB, INCLUDING THE SIDESTREET INTERSECTIONS

- PLAN QUANTITY - MAINLINE - 2,880.4 TON
- EADS AVENUE - 13.5 TON
- TRANSITION
- T.E. STA. 22+44 - 32.2 TON
- T.E. HOSPITAL - 1,024.9 TON
- TOTAL - 3,951 TON

4) PORTLAND CEMENT CONCRETE PAVEMENT 7 3/4"

PLAN QUANTITY IS BASED ON TOTAL PAVING WIDTH OF 26 FEET OR 30 FEET AND INCLUDES EACH SIDE STREET INTERSECTION UP TO THE COMPLETION OF EACH RADIUS RETURN. PLAN QUANTITY DOES NOT INCLUDE THE CONCRETE CURB AND GUTTER PORTION.

PLAN QUANTITY - 9,401 SQ. YD.

5) PROTECTIVE COAT

PLAN QUANTITY IS BASED ON THE TOTAL PAVING WIDTH OF 26 FEET OR 30 FEET. PLAN QUANTITY ALSO INCLUDES THE CONCRETE CURB AND GUTTER SECTION.

PLAN QUANTITY - 10,797 SQ. YD.

6) PAVEMENT REMOVAL

PLAN QUANTITY IS BASED ON REMOVAL OF THE EXISTING PAVEMENT BK.-BK. OF EXISTING CURB. IT INCLUDES THE REMOVAL OF ALL SIDE STREET PAVING THRU THE COMPLETION OF EACH RADIUS RETURN.

- PLAN QUANTITY - MAINLINE - 11,113.3 SQ. YD.
- T.E. STA. 22+44 - 66.7 SQ. YD.
- TOTAL - 11,180.0 SQ. YD.

7) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24

PLAN QUANTITY INCLUDES ALL RADIUS RETURNS. IT INCLUDES NEW CONCRETE CURB AND GUTTER AROUND THE RADII OF EACH NEW COMMERCIAL ENTRANCE, AND THE ON STREET PARKING AREA.

PLAN QUANTITY - 4864 FEET

8) PAINT PAVEMENT MARKING - LINE 4"

- YELLOW - CENTERLINE STRIPE - 5+72.78 TO 34+48.6 719 FT.
- TOTAL 719 FT.

9) PAINT PAVEMENT MARKING - LINE 12"

PLAN QUANTITY IS BASED ON A PAY LENGTH FROM CENTERLINE OF ROADWAY TO THE FACE OF CURB, LOCATED ADJACENT TO THE STOP SIGN.

- PLAN QUANTITY
- HIGH STREET - 15 FOOT
- EADS AVENUE - 35 FOOT
- TOTAL - 50 FOOT

PAVEMENT DESIGN DATA

STRUCTURAL DESIGN TRAFFIC (2017)	
PV	3700
SU	3256
MU	333
CLASS OF STREET	II
DESIGN SPEED	30 MPH
MINIMUM SOIL SUPPORT IFR (ASSUMED)	3
TRAFFIC FACTOR	1.087

PROPOSED STRUCTURAL MATERIALS:
P.C.C. PAVEMENT 7 3/4" W/AGGREGATE BASE COURSE, TYPE B 4"
JOINT INTERVAL SPACE = 15' 0"

BENCH MARKS

- SEE SHEET #4 ^{21.01} NORTH RIM OF A FIRE HYDRANT AT THE S.E. CORNER OF MADISON AND HIGH STREET ELEV. 717.79
- SEE SHEET #4 ^{21.02} N.W. CORNER OF THE FIRST PORCH STEP 620 E. COURT STREET ELEV. 720.55
- SEE SHEET #5 ^{21.03} S.W. CORNER OF THE FIRST PORCH STEP 625 E. COURT STREET ELEV. 717.92
- SEE SHEET #5 ^{21.04} "M" IN MULLER OF A FIRE HYDRANT IN FRONT OF 634 E. COURT STREET ELEV. 715.48
- SEE SHEET #6 ^{21.05} S.W. CORNER OF THE FIRST PORCH STEP 645 E. COURT STREET ELEV. 715.77
- SEE SHEET #6 ^{21.06} NORTH RIM OF A FIRE HYDRANT AT THE S.W. CORNER OF EADS AVENUE AND E. COURT STREET ELEV. 715.32
- SEE SHEET #7 ^{21.07} "M" IN MULLER OF A FIRE HYDRANT AT 28 RIGHT OF STATION 21+86 ELEV. 707.97
- SEE SHEET #8 ^{21.08} N.W. CORNER OF THE FIRST PORCH STEP 794 E. COURT STREET ELEV. 705.79
- ^{21.09} WEST "M" IN MULLER OF A FIRE HYDRANT NORTH SIDE OF HOSPITAL N.E. OF SOLARIUM ADDITION ELEV. 712.40

