

DRAWN	DATE	CHECKED	DATE	APPROVED	DATE	REVISED	DATE

SCALES	N/A
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4th Street
General Notes

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- All elevations shown in the plans are based on U.S.G.S. mean sea level datum.
- Utility lines were plotted from information furnished by the various utility companies involved and their location should be considered "approximate only". These utility companies may be adjusting their facilities during construction. The contractor shall cooperate with these organizations while these adjustment are being performed. J.U.L.I.E. - Joint Utility Location Information for Excavators - 1-800-892-0123.

The following utility owners are known to have facilities in the area and are J.U.L.I.E. members -

City of Charleston - Water, Storm Sewer, Sanitary Sewer
Ameren CIPS - Electric, Gas
Illinois Consolidated Telephone Company - Telephone
Mediacom - Cablevision

- All trenches below or within two (2) feet of the proposed pavement, driveway pavement, sidewalk or curb and gutter shall be backfilled with trench backfill in accordance with the standard specifications.

Estimated Quantities:
2721.87 cu yd Trench Backfill

- All disturbed areas shall be restored and seeded with Class 1 Seeding and mulched. Payment will not be made for areas outside the right of way unless specifically shown on the plans.

Estimated Quantities:
1.23 Acres Temporary Erosion Control Seeding
1.23 Acres Seeding Class 1
2.46 Acres Mulch, Method 2

The following application rates have been used to calculate the various items necessary for seeding.

Fertilizer Nutrients	Application Rate	Est. Qty.
Nitrogen	90 lbs. per acre	110.7 lbs.
Phosphorous	90 lbs. per acre	110.7 lbs.
Potassium	90 lbs. per acre	110.7 lbs.

Permanent Seeding shall be performed between March 1st and June 1st or between August 1st and November 15th.

- PCC Base Course Widening may be poured monolithic with the curb and gutter or a longitudinal construction joint shall be used as described in Article 420.05. A tie bar between the base course widening and the curb and gutter is required for either option.

- Total area of bituminous resurfacing is 8909.05 square yards.
Estimated Quantities:
891 gal. Bituminous Materials (prime coat)
18 tons Aggregate (prime coat)
458 tons Leveling Binder (Machine Method), N50
748.36 tons Hot Mix Asphalt Surface Course, Mix "C", N50

Mixture Requirements:
The following mixture requirements are applicable for this project:
Mixture: Leveling Binder and Surface Course
Asphalt Cement: PG64-22
RAP% (max): 15%
Design Air Voids: 4% @ Ndesign = 50
Mixture Composition: IL 9.5
Friction Aggregate: Mixture C

- The existing pavement shall be cold-milled to the depth (s) specified in order to help establish the proposed profile grade with a constant cross slope as specified.

Estimated Quantities:
4239.26 sq yd Hot Mix Asphalt Surface Removal Var. Depth
254.68 sq yd Hot Mix Asphalt Surface Removal 2 1/2"

- Patches shown in the plans represent the best information available at the time of the completion of the plans for the letting. Variations of locations and sizes may occur.

Estimated Quantities:
Class C Patches, Type 1
12.00' Lt.51+20.29 to 2.71' Lt.51+20.29 3.10 SY
11.54' Rt.51+20.63 to 2.71' Lt.51+20.29 4.75 SY
12.00' Lt.54+76.89 to 1.68' Lt.54+76.89 3.44 SY
12.00' Rt.54+76.89 to 1.68' Lt.54+76.89 4.56 SY
11.62' Rt.56+19.70 to 0.31' Rt.56+27.30 4.54 SY
11.77' Lt.56+27.30 to 0.31' Rt.54+27.30 4.03 SY

Class C Patches, Type II
11.19' Lt.58+86.18 to 11.90' Rt.58+86.18 7.70 SY
11.37' Lt.60+93.48 to 12.00' Rt.60+93.48 7.79 SY
13.00' Lt.62+99.01 to 12.77' Rt.62+94.85 8.70 SY
9.70' Rt.70+37.82 to 10.68' Lt.70+37.82 6.79 SY
11.49' Rt.51+62.52 to 12.38' Lt.51+62.71 5.31 SY
11.42' Rt.51+91.61 to 12.29' Lt.51+91.80 5.27 SY
11.08' Rt.53+38.76 to 12.18' Lt.53+38.94 5.17 SY
11.54' Rt.53+95.26 to 12.15' Lt.53+95.44 5.26 SY
12.33' Rt.54+65.25 to 12.37' Lt.54+65.44 5.49 SY
11.84' Rt.55+79.59 to 11.87' Lt.55+79.77 5.27 SY
12.10' Rt.56+76.28 to 11.87' Lt.56+76.46 5.32 SY
11.55' Rt.57+90.59 to 11.70' Lt.57+90.77 5.17 SY
11.53' Rt.58+09.45 to 11.62' Lt.58+09.63 5.14 SY
11.79' Rt.59+21.58 to 11.01' Lt.59+21.76 5.07 SY
11.77' Rt.59+42.75 to 10.90' Lt.59+42.92 5.04 SY
12.10' Rt.60+25.68 to 11.35' Lt.60+25.85 5.21 SY
12.04' Rt.60+75.72 to 11.36' Lt.60+75.90 5.20 SY
6.50' Rt.68+88.00 to 12.30' Lt.68+88.00 8.50 SY
6.50' Rt.69+33.00 to 12.30' Lt.69+33.00 8.50 SY

Class C Patches, Type III
2.71' Lt.51+20.29 to 2.39' Lt.51+77.14 19.62 SY

Class C Patches, Type IV
12.66' Rt.66+45.48 to 12.13' Rt.70+36.42 188.00 SY

- Before ordering storm sewers, the contractor shall consult the engineer for exact lengths.
- Existing drainage tiles discovered during construction shall be connected to into drainage system as directed by the engineer.
- Benchmarks:

BM	Description	Elevation
BM 1	Top of rail at south end at the sw corner of the building at 403 Polk	690.49
BM 2	NW corner of lightpole base at 917 4th St.	677.54
BM 3	NW cor sidewalk (top step) at 851 4th St.	668.97
BM 4	NW corner stoop at 811 4th Street	660.39
BM 5	North end of sidewalk at base of wall on west side of bridge	660.39
BM 6	SW corner of sidewalk at 617 4th Street	660.39
BM 7	Top of curb at east end near church steps at 411 Jackson	660.39
BM 8	NE corner, old sign base at 320 Madison	660.39