

ESTIMATED QUANTITIES from sheet 4

| REF. NO. | STATION TO STATION | SIDE | 407 Cover Aggreg. | 407 Tack Coat at 0.1 Gal/5sq. | 304 Aggr. Base | 408 Bit. Prime Coat | 409 Seal Coat Bit. Mat. | 404 Cover Aggr. | 404 Asph. Conc. | 603 TYPE "D" 12" | 660 Sodding | 606 Guard Rail Type 5 | 606 Anchor Assem. | 611 Bridge Terminal Assem. Type B | 611 Reinf. Conc. Appr. 566 T-13 |
|---------------------------|---|------|-------------------------|--|----------------------|------------------------------|-------------------------------------|-----------------------|-----------------------|---------------------------|----------------|--------------------------------|-------------------------|---|---|
| | | | Ton | Gal. | C.Y. | GAL | GAL | C.Y. | C.Y. | L.F. | S.Y. | L.F. | Ea. | Ea. | S.Y. |
| Co. Rd. 174 | | | | | | | | | | | | | | | |
| 1-P | Sta. 4+00 to Sta. 9+92 | | | | 363.74 | 524 | 458.5 | 3.76 | | | | | | | |
| 2-P | Sta. 12+11.03 to Sta. 19+90 | | | | 513.76 | 740.10 | 647.60 | 4.93 | | | | | | | |
| 3-P | Sta. 9+92 to Sta. 10+17 | | 0.2 | 5.5 | 9.26 | | | | 5.40 | | | | | | 55.55 |
| 4-P | Sta. 11+86.03 to Sta. 12+11.03 | | 0.2 | 5.5 | 9.26 | | | | 5.40 | | | | | | 55.55 |
| 5-P | Sta. 0+15.24 to Sta. 0+93.61 (Twp. Rd.) | | | | 79.23 | 114 | 100 | 2 | | | | | | | |
| 6-P | Sta. 0+93.61 to Sta. 1+97.43 (Twp. Rd.) | | | | 57.68 | 83 | 73 | 2 | | | | | | | |
| | Drive @ Sta. 5+56 | Lt. | | | 14.67 | | | | | | | | | | |
| 1-R | Sta. 8+09.99 to Sta. 10+14.01 | Lt. | | | | | | | | | 128.02 | 1 | 1 | | |
| 2-R | Sta. 1+24.80 to Sta. 10+19.99 | Rt. | | | | | | | | | 84.14 | 1 | 1 | | |
| 3-R | Sta. 11+83.04 to Sta. 15+23.49 | Lt. | | | | | | | | | 315.45 | 1 | 1 | | |
| 4-R | Sta. 11+89.02 to Sta. 15+23.35 | Rt. | | | | | | | | | 309.33 | 1 | 1 | | |
| 1-D | Sta. 11+60 to Sta. 18+73 | Rt. | | | | | | | | 713 | | | | | |
| 2-D | Sta. 18+73 to Sta. 19+70 | Rt. | | | | | | | | 65 | | | | | |
| 3-D | Sta. 11+65 to Sta. 18+73 | Lt. | | | | | | | | 708 | | | | | |
| 4-D | Sta. 18+73 to Sta. 19+80 | Lt. | | | | | | | | 87 | | | | | |
| 5-D | Sta. 5+43 to Sta. 5+88 | Lt. | | | | | | | | 44 | | | | | |
| Totals to General Summary | | | 0.4 | 11 | 1048 | 1461 | 1279 | 13 | 11 | 44 | 1573 | 836.94 | 4 | 4 | 111 |

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GENERAL SUMMARY

| ITEM NO. | Sheet 3 | Sheet 7 | Sheet 8 | Sheet 13 | ITEM NO. | TOTAL | UNIT | DESCRIPTION |
|-------------------------------------|-----------------|---------|---------|----------|----------------|----------------------|---|--|
| ROADWAY | | | | | | | | |
| 201 | | | | | 201 | Lump Lump | Clearing & Grubbing | ✓ |
| 203 | | | | | 203 | 4314 S.Y. | Subgrade Compaction | out |
| 203 | | 5352 | 374 | 11077 | 203 | 16,803 | C.Y. | Excavation not including embankment construction ✓ |
| 203 | | 3438 | 211 | 250 | 203 | 3899 | C.Y. | Embankment |
| 410 | 50 | | | | 410 | 50 C.Y. | Traffic Compacted Surface Type A or B | out |
| 606 | 836.94 | | | | 606 | 836.94 | L.F. | Guard rail Type 5 |
| 606 | 4 | | | | 606 | 4 | Ea. | Anchor Assembly |
| 606 | 4 | | | | 606 | 4 | Ea. | Bridge terminal assembly Type B ✓ need? |
| 616 | 1 | | | | 616 | 1 Mg | Water | out |
| 616 | 0.4 | | | | 616 | 0.4 Ton | Calcium Chloride | out |
| PAVEMENT | | | | | | | | |
| 407 | 0.4 | | | | 407 | 0.4 Ton | Cover Aggregate | out |
| 304 | 1048 | | | | 304 | 1048 C.Y. | Aggregate base | out |
| 404 | 11 | | | | 404 | 11 C.Y. | Asphalt Concrete (85-100 or AC-20) | out |
| 408 | 1461 | | | | 408 | 1461 Gal. | Bituminous Prime Coat 702.02, MC-30 | out |
| 407 | 11 | | | | 407 | 11 Gal. | Tack Coat 702.04, MS-2 or RS-1j or 702.02, RC-70 or RC-250 | out |
| 409 | 1279 | | | | 409 | 1279 Gal. | Sealcoat bituminous material 55-923 MWS 150 | out |
| 409 | 13 | | | | 409 | 13 C.Y. | Seal coat cover aggregate No. 8 | out |
| 611 | 111 | | | | 611 | 111 | S.Y. | Reinforced concrete approach slabs T-13 ✓ |
| DRAINAGE | | | | | | | | |
| 603 | 44 | | | | 603 | 44 L.F. | 12" Conduit Type "D" | out |
| EROSION CONTROL | | | | | | | | |
| 660 | 1573 | | | | 660 | 1573 S.Y. | Sodding | out |
| 659 | 6947 | | | | 659 | 6947 S.Y. | Seeding & Mulching | out |
| 659 | 3.83 | | | | 659 | 3.83 Ton | Agricultural Liming | out |
| 659 | 0.77 | | | | 659 | 0.77 Ton | Commercial Fertilizer (12-12-12) | out |
| STRUCTURES OVER 20' SPAN | | | | | | | | |
| For estimated quantities see sh. 15 | | | | | | | | |
| 614 | | | | | 614 | Lump Lump | Maintaining Traffic | out |
| 619 | | | | | 619 | Lump Lump | Field Office | out |
| 623 | | | | | 623 | Lump Lump | Construction layout stakes ✓ | out |

GENERAL NOTES

MAINTENANCE OF TRAFFIC

Two-way traffic shall be maintained on County Road 174 and Township Road 175 by using existing road and bridge.

Between station 4 + 75 and 8 + 00, traffic shall be maintained by the use of the proposed pavement, existing pavement and the existing shoulder using Item 410 Traffic Compacted Surface Type A or B and stabilized with Item 616 Calcium Chloride. County Road 175 may be closed to traffic for a period not to exceed seven (7) days during the final paving operations.

The following estimated quantities are included in the General Summary for this work:

- 410 50 cu. yd. Traffic Compacted Surface Type A or B
- 616 1 M-Gal Water
- 616 0.4 Ton Calcium Chloride
- 614 Lump Sum - Maintaining Traffic

FIELD OFFICE

The contractor shall provide a suitable field office having a minimum of 150 sq. ft. of floor space and in addition to the requirements of Item 619, he shall provide and maintain sanitary provisions as per 107.06. All the above is included in the lump sum price bid for Item 619, Field Office.

ROUNDING OF CORNERS SHOWN ON CROSS SECTIONS

The rounded corners shown on the typical sections, apply to all cross sections even though otherwise shown on these plans.

ITEM 606 BRIDGE TERMINAL ASSEMBLY TYPE B

The bridge terminal assembly type B shall be constructed as shown on standard drawing GR-3 except that the wheel guard shall be omitted.

SEEDING

Quantities for seeding are calculated for the soil areas between the work limits, as shown on the cross sections.

ELEVATION DATUM

All elevations are based on U.S.G.S. datum.

REMOVAL OF EXISTING BRIDGE, AS PER PLAN

After completion of the proposed bridge and approaches, the existing bridge shall be dismantled and removed from the site by the contractor. The sandstone blocks in the existing abutments shall be removed to water level and stockpiled for subsequent salvage by the Hocking County Engineer.

The approaches to the existing bridge shall then be excavated in accordance with the channel improvement as shown on the plans.

Care shall be taken to prevent any debris from obstructing the river flow or otherwise polluting the river bed or banks. The lump sum pay item for Item 202 structures removed, shall include the stockpiling of the abutment stone, and the disposal of the bridge flooring and framework.

REMOVAL OF TREES AND STUMPS

All trees and stumps specifically marked for removal within the construction limits of this project shall be removed under the lump sum price bid for Item 201 clearing and grubbing, except that those trees for which protection and preservation work is indicated elsewhere in these plans shall not be removed.

The following is an approximate estimate of the number of trees and stumps to be removed.

| SIZES | No. TREES | No. STUMPS |
|---------|-----------|------------|
| 18"-24" | 21 | - |
| 30" | + | - |

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