

Project Name: I-205: I-5 - OR213 PHASE 1 SEC.  
 Corridor Section: MP 8.65 to MP 11.04  
 County: Clackamas  
 Description: Grading, Drainage, Structures, Paving, Signing & Signals  
 Date: JUNE 2021

Client: ODOT  
 Anticipated Bid Let: Q1 2022  
 Key Number: 19786  
 Calculated By/Entered By: J. Rahm  
 Checked By:

**I-205: I-5 - OR213, PHASE 1 SEC.  
 PRELIMINARY - NOT FOR CONSTRUCTION  
 QUANTITY ESTIMATE**

| ITEM NO.  | BID ITEM CODE | ITEM  | UNIT | QUANTITY |
|---|---------------|---|------|----------|
| <b>200 - TEMPORARY FEATURES AND APPURTENANCES</b> |               |   |      |          |
| 0010  | 0100-0101000T | TRAINING  | LS   | 0.25%    |
| 0020  | 0210-0100000A | MOBILIZATION  | LS   | 10.0%    |
| 0030  | 0221-0100000A | TEMPORARY PROTECTION AND DIRECTION OF TRAFFIC             | LS   | 3.0%     |
| 0040  | 0222-0102000J | TEMPORARY SIGNS   | SQFT | 3,000    |
| 0050  | 0222-0162000E | SEQUENTIAL ARROW SIGNS                                    | EACH | 6        |
| 0060  | 0222-0164000E | PORTABLE CHANGEABLE MESSAGE SIGNS                         | EACH | 20       |
| 0070  | 0223-0168000T | FLAGGERS  | HOUR | 5,000    |
| 0080  | 0223-0169000E | TRAFFIC CONTROL SUPERVISOR                                | EACH | 1,000    |
| 0090  | 0224-0145000E | TEMPORARY PLASTIC DRUMS                                   | EACH | 700      |
| 0100  | 0225-0104000E | TEMPORARY BARRICADES, TYPE II                             | EACH | 10       |
| 0110  | 0225-0105000E | TEMPORARY BARRICADES, TYPE III                            | EACH | 67       |
| 0120  | 0225-0149000E | TEMPORARY FLEXIBLE PAVEMENT MARKERS                       | EACH | 8,200    |
| 0130  | 0225-0153000F | TEMPORARY STRIPING  | FOOT | 82,000   |
| 0140  | 0225-0153200J | TEMPORARY PAVEMENT BARS                                   | SQFT | 341      |
| 0150  | 0225-0154000F | STRIPE REMOVAL  | FOOT | 142,722  |
| 0160  | 0225-0156000J | BAR REMOVAL   | SQFT | 36       |
| 0170  | 0226-0126100F | TEMPORARY BARRIER   | FOOT | 39,000   |
| 0180  | 0226-0133000E | TEMPORARY IMPACT ATTENUATOR, SAND BARREL SYSTEM           | EACH | 8        |
| 0190  | 0226-0134000E | TEMPORARY IMPACT ATTENUATOR, NARROW SITE SYSTEM           | EACH | 25       |
| 0200  | 0226-0136000E | MOVING TEMPORARY IMPACT ATTENUATORS, SAND BARREL SYSTEM   | EACH | 2        |
| 0210  | 0226-0137000E | MOVING TEMPORARY IMPACT ATTENUATORS, NARROW SITE SYSTEM   | EACH | 15       |
| 0220  | 0226-0138000E | TEMPORARY IMPACT ATTENUATOR, TRUCK MOUNTED                | EACH | 11       |
| 0230  | 0226-0141100E | REFLECTIVE BARRIER PANELS                                 | EACH | 5,836    |
| 0240  | 0226-0141300E | REPAIR TEMPORARY IMPACT ATTENUATOR, NARROW SITE SYSTEM    | EACH | 10       |
| 0250  | 0226-0141400E | REPAIR TEMPORARY IMPACT ATTENUATOR, TRUCK MOUNTED         | EACH | 10       |
| 0260  | 0226-0141500E | REPAIR TEMPORARY IMPACT ATTENUATOR, SAND MODULE           | EACH | 100      |
| 0270  | 0227-0157000A | TEMPORARY ILLUMINATION                                    | LS   | 1        |
| 0280  | 0227-0158000A | TEMPORARY TRAFFIC SIGNAL                                  | LS   | 1        |
| 0290  | 0227-0158000E | PORTABLE TRAFFIC SIGNAL                                   | EACH | 1        |
| 0300  | 0228-0141600F | PEDESTRIAN CHANNELIZING DEVICES                           | FOOT | 4,895    |
| 0310  | 0228-0167670E | TEMPORARY CURB RAMP, _____                                | EACH | 5        |
| 0320  | 0228-0167680J | TEMPORARY WALKS   | SQFT | 1,756    |
| 0330  | 0229-         | COAST GUARD PERMIT COMPLIANCE                             | LS   | 1        |
| 0340  | 0231-0100000A | CONSTRUCT AND REMOVE TEMPORARY ACCESS ROAD                | LS   | 1        |
| 0350  | 0240-0100000A | TEMPORARY DRAINAGE FACILITIES                             | LS   | 1        |
| 0360  | 0245-0100000A | TEMPORARY WATER MANAGEMENT FACILITY AT STATION "L" 712+00 | LS   | 1        |
| 0370  | 0245-0100000A | TEMPORARY WATER MANAGEMENT FACILITY AT STATION "L" 730+00 | LS   | 1        |
| 0380  | 0252-0104000A | TEMPORARY WORK BRIDGES                                    | LS   | 1        |
| 0390  | 0253-0106000A | TEMPORARY WORK ACCESS AND CONTAINMENT                     | LS   | 1        |
| 0400  | 0255-0100000A | BRIDGE JACKING AT BENT _____                              | LS   | 1        |
| 0410  | 0280-0100000A | EROSION CONTROL   | LS   | 1        |
| 0420  | 0280-0101000J | PLASTIC SHEETING  | SQYD | 1,000    |
| 0430  | 0280-0105010J | MATTING, TYPE A   | SQYD | 21,359   |
| 0440  | 0280-0105060J | MATTING, TYPE F   | SQYD | 3,995    |
| 0450  | 0280-0105100J | COMPOST EROSION BLANKET                                   | SQYD | 62,714   |
| 0460  | 0280-0106010E | CHECK DAM, TYPE 1   | EACH | 26       |
| 0470  | 0280-0106060E | CHECK DAM, TYPE 6   | EACH | 34       |
| 0480  | 0280-0107000F | TEMPORARY INTERCEPTOR DIKE/SWALE                          | FOOT | 162      |
| 0490  | 0280-0110020E | CONSTRUCTION ENTRANCE, TYPE 2                             | EACH | 13       |
| 0500  | 0280-0112500E | CONCRETE WASHOUT FACILITY                                 | EACH | 2        |
| 0510  | 0280-0113000F | SEDIMENT FENCE  | FOOT | 185      |
| 0520  | 0280-0114030E | INLET PROTECTION, TYPE 3                                  | EACH | 265      |
| 0530  | 0280-0114040E | INLET PROTECTION, TYPE 4                                  | EACH | 19       |
| 0540  | 0280-0114040E | INLET PROTECTION, TYPE 10                                 | EACH | 3        |
| 0550  | 0280-0115080F | SEDIMENT BARRIER, TYPE 8                                  | FOOT | 672      |
| 0560  | 0280-0115090F | SEDIMENT BARRIER, TYPE 9                                  | FOOT | 13,300   |
| 0570  | 0280-0117000E | TEMPORARY ENERGY DISSIPATER                               | EACH | 2        |
| 0580  | 0280-0118000E | TEMPORARY SEDIMENT TRAP                                   | EACH | 1        |
| 0590  | 0290-0100000A | POLLUTION CONTROL PLAN                                    | LS   | 1        |
| 0600  | 0290-0200000A | TURBIDITY MONITORING                                      | LS   | 1        |
| 0610  | 0294-9Z90000K | CONTAMINATED SOIL MANAGEMENT                              | CUYD | 34,000   |

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| ITEM NO.                         | BID ITEM CODE | ITEM   | UNIT | QUANTITY |
|----------------------------------|---------------|--|------|----------|
| <b>300 - ROADWORK</b>            |               |  |      |          |
| 0620                             | 0305-010000A  | CONSTRUCTION SURVEY WORK                               | LS   | 1        |
| 0630                             | 0310-010600A  | REMOVAL OF STRUCTURES AND OBSTRUCTIONS                 | LS   | 1        |
| 0640                             | 0310-011600A  | REMOVAL OF PIPES                                       | FOOT | 4669     |
| 0650                             | 0310-010400E  | REMOVAL OF INLETS                                      | EACH | 36       |
| 0660                             | 0310-010500E  | REMOVAL OF MANHOLES                                    | EACH | 9        |
| 0670                             | 0310-011300A  | REMOVAL OF GUARDRAIL                                   | FOOT | 3195     |
| 0680                             | 0310-011900F  | ASPHALT PAVEMENT SAW CUTTING                           | FOOT | 4,950    |
| 0690                             | 0320-010000R  | CLEARING AND GRUBBING                                  | ACRE | 6        |
| 0700                             | 0330-010500K  | GENERAL EXCAVATION                                     | CUYD | 29,942   |
| 0710                             | 0331-010900J  | 18 INCH SUBGRADE STABILIZATION                         | SQYD | 1,352    |
| 0720                             | 0344-010100J  | TREATED SUBGRADE, 9 INCHES THICK                       | SQYD | 12,172   |
| 0730                             | 0344-010800M  | PORTLAND CEMENT  | TON  | 405      |
| 0740                             | 0345-XXXX     | DESIGN DRAWINGS  | LS   | 1        |
| 0750                             | 0345-XXXX     | FURNISH DSM AND JET GROUTING EQUIPMENT                 | LS   | 1        |
| 0760                             | 0345-XXXX     | IMPROVED SOIL MASS AT BR. 09703 (GEO ABERNETHY) PIER 3 | CY   | 45,000   |
| 0770                             | 0345-XXXX     | IMPROVED SOIL MASS AT BR. 09703 (GEO ABERNETHY) PIER 8 | CY   | 14,500   |
| 0780                             | 0345-XXXX     | IMPROVED SOIL MASS AT BR. 09703 (GEO ABERNETHY) PIER 9 | CY   | 14,500   |
| 0790                             | 0350-010500J  | SUBGRADE GEOTEXTILE                                    | SQYD | 27,048   |
| 0800                             | 0390-010500K  | LOOSE RIPRAP, CLASS 50                                 | CUYD | 25       |
| <b>400 - DRAINAGE AND SEWERS</b> |               |  |      |          |
| 0810                             | 0405-010000K  | ROCK EXCAVATION  | CUYD | 3385     |
| 0820                             | 0415-010000F  | MAINLINE VIDEO INSPECTION                              | FOOT | 8066     |
| 0830                             | 0444-010200K  | LOW DENSITY CELLULAR CONCRETE CLASS II                 | CUYD | 952      |
| 0840                             | 0445-035012AF | 12 INCH STORM SEWER PIPE, 5 FT DEPTH                   | FOOT | 1359     |
| 0850                             | 0445-035012BF | 12 INCH STORM SEWER PIPE, 10 FT DEPTH                  | FOOT | 830      |
| 0860                             | 0445-035015AF | 15 INCH STORM SEWER PIPE, 5 FT DEPTH                   | FOOT | 152      |
| 0870                             | 0445-035015BF | 15 INCH STORM SEWER PIPE, 10 FT DEPTH                  | FOOT | 71       |
| 0880                             | 0445-035018AF | 18 INCH STORM SEWER PIPE, 5 FT DEPTH                   | FOOT | 1385     |
| 0890                             | 0445-035018BF | 18 INCH STORM SEWER PIPE, 10 FT DEPTH                  | FOOT | 2501     |
| 0900                             | 0445-035024AF | 24 INCH STORM SEWER PIPE, 5 FT DEPTH                   | FOOT | 507      |
| 0910                             | 0445-035024BF | 24 INCH STORM SEWER PIPE, 10 FT DEPTH                  | FOOT | 682      |
| 0920                             | 0445-035030AF | 30 INCH STORM SEWER PIPE, 5 FT DEPTH                   | FOOT | 317      |
| 0930                             | 0445-035036AF | 36 INCH STORM SEWER PIPE, 5 FT DEPTH                   | FOOT | 35       |
| 0940                             | 0445-035036CF | 36 INCH STORM SEWER PIPE, 20 FT DEPTH                  | FOOT | 227      |
| 0950                             | 0445-060018AF | 18 INCH DUCTILE IRON PIPE, 5 FT DEPTH                  | FOOT | 65       |
| 0960                             | 0445-0700180E | SLOPED END SECTIONS, 18 INCH                           | EACH | 1        |
| 0970                             | 0445-0700360E | SLOPED END SECTIONS, 36 INCH                           | EACH | 1        |
| 0980                             | 0470-0101000E | CONCRETE STORM SEWER MANHOLES                          | EACH | 30       |
| 0990                             | 0470-0103000E | CONCRETE MANHOLES, WITH INLET                          | EACH | 9        |
| 1000                             | 0470-0104000E | CONCRETE MANHOLES, STORM SEWER POLLUTION CONTROL       | EACH | 7        |
| 1010                             | 0470-0106000E | CONCRETE MANHOLES, LARGE PRECAST                       | EACH | 1        |
| 1020                             | 0470-0116000E | CONCRETE MANHOLES, DIVERSION                           | EACH | 6        |
| 1030                             | 0470-0315000E | CONCRETE INLETS, TYPE G-2                              | EACH | 36       |
| 1040                             | 0470-XXXXXXX  | COMBINATION POLLUTION CONTROL/DIVERSION MANHOLE        | EACH | 2        |
| 1050                             | 0490-0104000E | CONNECTION TO EXISTING STRUCTURES                      | EACH | 3        |
| 1060                             | 0480-010000F  | DRAINAGE CURBS   | FOOT | 472      |
| 1070                             | 0490-0105000E | ADJUSTING INLETS                                       | EACH | 14       |
| 1080                             | 0490-0117000E | FILLING ABANDONED STRUCTURES                           | EACH | 10       |
| 1090                             | 0490-0120000E | MINOR ADJUSTMENT OF MANHOLES                           | EACH | 2        |
| 1100                             | 0490-0121000E | MAJOR ADJUSTMENT OF MANHOLES                           | EACH | 1        |
| 1110                             | 0490-0123000E | EXTRA FOR MANHOLES OVER EXISTING SEWERS                | EACH | 9        |
| 1120                             | 0490-0125000E | CAPPING EXISTING CONCRETE STRUCTURES                   | EACH | 1        |
| 1130                             | 0495-010000J  | TRENCH RESURFACING                                     | SQYD | 241      |

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|---|----------------|--|---------|-----------|
| <b>5XX - Bridge Nos. 09403 (Abernethy Main)</b> |                |  |         |           |
| 1140  | 0501-0100000A  | BRIDGE REMOVAL WORK                                      | LS      | 1         |
| 1150  | 0507-          | BRIDGE TRANSLATION                                       | EACH    | 2         |
| 1160  | 0510-0100000A  | SHORING, CRIBBING, AND COFFERDAMS                        | LS      | 1         |
| 1170  | 0510-0101000K  | STRUCTURE EXCAVATION                                     | LS(CY)  | 4,900     |
| 1190  | 0510-0106000K  | GRANULAR STRUCTURE BACKFILL                              | LS(CY)  | 3,250     |
| 1180  | 0510-          | RIPRAP REMOVAL   | LS(CY)  | 7,859     |
| 1200  | 0512-0100000A  | FURNISH DRILLING EQUIPMENT                               | LS      | 1         |
| 1210  | 0512-0101000A  | DRILLED SHAFT CONCRETE                                   | CUYD    | 10,347    |
| 1220  | 0512-01004000A | DRILLED SHAFT REINFORCEMENT, GRADE 60                    | LS (LB) | 463,000   |
| 1230  | 0512-01004000A | DRILLED SHAFT REINFORCEMENT, GRADE 80                    | LS (LB) | 2,039,000 |
| 1240  | 0512-0105000F  | CSL TEST ACCESS TUBES                                    | FOOT    | 32,644    |
| 1250  | 0512-0106000E  | CSL TESTS  | EACH    | 24        |
| 1260  | 0512-          | THERMAL INTEGRITY WIRES                                  | FOOT    | 32,644    |
| 1270  | 0512-          | THERMAL INTEGRITY PROFILE TESTS                          | EACH    | 24        |
| 1280  | 0512-          | SHAFT INSPECTION DEVICE TESTS                            | EACH    | 24        |
| 1290  | 0512-0112000F  | DRILLED SHAFT EXCAVATION, 72 INCH DIAMETER               | FOOT    | 98        |
| 1300  | 0512-0113000F  | DRILLED SHAFT EXCAVATION, 84 INCH DIAMETER               | FOOT    | 414       |
| 1310  | 0512-0114000F  | DRILLED SHAFT EXCAVATION, 96 INCH DIAMETER               | FOOT    | 652       |
| 1320  | 0512-          | DRILLED SHAFT EXCAVATION, 120 INCH DIAMETER              | FOOT    | 268       |
| 1330  | 0512- 9Z90000F | DRILLED SHAFT EXCAVATION, 144 INCH DIAMETER              | FOOT    | 1,789     |
| 1340  | 0512-0115300F  | PERMANENT SHAFT CASINGS, 72 INCH DIAMETER                | FOOT    | 30        |
| 1350  | 0512-0115400F  | PERMANENT SHAFT CASINGS, 84 INCH DIAMETER                | FOOT    | 290       |
| 1360  | 0512-0115500F  | PERMANENT SHAFT CASINGS, 96 INCH DIAMETER                | FOOT    | 284       |
| 1370  | 0512-0115700F  | PERMANENT SHAFT CASINGS, 120 INCH DIAMETER               | FOOT    | 268       |
| 1380  | 0512- 9Z90000F | PERMANENT SHAFT CASINGS, 144 INCH DIAMETER               | FOOT    | 1,601     |
| 1390  | 0515-0100000A  | FURNISH MICROPILE EQUIPMENT                              | LS      | 1         |
| 1400  | 0515-0110000E  | MICROPILES   | EACH    | 56        |
| 1410  | 0515-0120000E  | MICROPILE VERIFICATION LOAD TEST                         | EACH    | 2         |
| 1420  | 0515-0130000E  | MICROPILE PROOF LOAD TEST                                | EACH    | 4         |
| 1430  | 0520-0100000A  | FURNISH PILE DRIVING EQUIPMENT                           | LS      | 1         |
| 1440  | 0520-0113000F  | FURNISH HP 14 X 117 STEEL PILES                          | FOOT    | 2,398     |
| 1450  | 0520-0212000E  | DRIVE HP 14 X 117 STEEL PILES                            | EACH    | 11        |
| 1460  | 0520-0409000E  | HP 14 X 117 STEEL PILE SPLICES                           | EACH    | 33        |
| 1470  | 0530-0104000A  | REINFORCEMENT, GRADE 60                                  | LS(LB)  | 4,125,125 |
| 1480  | 0530-0104000A  | REINFORCEMENT, GRADE 80                                  | LS(LB)  | 2,175,000 |
| 1490  | 0540-0102000A  | FOUNDATION CONCRETE, CLASS 4000                          | LS(CY)  | 1,340     |
| 1500  | 0540-0203100A  | DECK CONCRETE, CLASS HPC4500                             | LS(CY)  | 3,325     |
| 1510  | 0540-0302000A  | GENERAL STRUCTURAL CONCRETE, CLASS 4000                  | LS(CY)  | 8,504     |
| 1520  | 0540-0303000A  | GENERAL STRUCTURAL CONCRETE, CLASS 5000                  | LS(CY)  | 12,000    |
| 1530  | 0545-0100000J  | REINFORCED CONCRETE BRIDGE END PANELS                    | SQYD    | 240       |
| 1540  | 0555-0010100A  | POST-TENSIONING  | LS (LB) | 1,256,000 |
| 1550  | 0557-0102000K  | FURNISH PREMIXED POLYMER CONCRETE                        | CUYD    | 426       |
| 1560  | 0557-0104000J  | CONSTRUCT PPC OVERLAY                                    | SQYD    | 15,350    |
| 1570  | 0560-0102000A  | STEEL PLATE GIRDER                                       | LB      | 4,489,800 |
| 1580  | 0560-0109000A  | STRUCTURAL STEEL MAINTENANCE                             | LB      | 473,115   |
| 1590  | 0581-0100000E  | BRIDGE DRAINS  | EACH    | 75        |
| 1600  | 0582-0100000E  | BEARING DEVICES, MAIN SPAN                               | EACH    | 16        |
| 1610  | 0582-0100000E  | BEARING DEVICES, APPROACH SPANS                          | EACH    | 87        |
| 1620  |                | REMOVE AND REPLACE BEARINGS                              | EACH    | 231       |
| 1630  | 0583-0201000F  | PVC CONDUIT SYSTEM, 2 INCH DIAMETER                      | FOOT    | 7,560     |
| 1640  | 0585-0209100A  | POURED JOINT SEAL  | LF      | 111       |
| 1650  | 0585-0214000A  | STRIP SEALS  | LS(LF)  | 212       |
| 1660  | 0585-          | STRIP SEAL REPLACEMENT - (EXISTING NEOPRENE REPLACEMENT) | LF      | 714       |
| 1670  | 0586-0500000A  | MODULAR BRIDGE JOINT SYSTEMS                             | LS      | 1         |
| 1680  | 0587-0120000A  | TYPE "F" CONCRETE RAIL                                   | LS(LF)  | 2,060     |
| 1690  | 0587-0126100A  | TYPE "F" CONCRETE RAIL, 42 INCH                          | LS(LF)  | 5,500     |
| 1700  | 0587-0139000A  | RECTANGULAR TUBE RETROFIT                                | LS(LF)  | 5,434     |
| 1710  | 0599-0100000J  | CONCRETE SLOPE PAVING                                    | SQFT    | 6,300     |
| 1720  | 0599-0103000F  | SLOPE PAVING CURBS                                       | FOOT    | 230       |

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|---|---------------|--|---------|----------|
| <b>551 - Bridge Nos. 09403C (Abernethy)</b> |               |  |         |          |
| 1730  | 0501-010000A  | BRIDGE REMOVAL WORK                                      | LS      | 1        |
| 1740  | 0512-0101000A | DRILLED SHAFT CONCRETE                                   | CUYD    | 752      |
| 1750  | 0512-0104000A | DRILLED SHAFT REINFORCEMENT, GRADE 60                    | LS (LB) | 48,900   |
| 1760  | 0512-0104000A | DRILLED SHAFT REINFORCEMENT, GRADE 80                    | LS (LB) | 160,500  |
| 1770  | 0512-0105000F | CSL TEST ACCESS TUBES                                    | FOOT    | 2,988    |
| 1780  | 0512-0106000E | CSL TESTS  | EACH    | 4        |
| 1790  | 0512-         | THERMAL INTEGRITY WIRES                                  | FOOT    | 2,988    |
| 1800  | 0512-         | THERMAL INTEGRITY PROFILE TESTS                          | EACH    | 4        |
| 1810  | 0512-         | SHAFT INSPECTION DEVICE TESTS                            | EACH    | 4        |
| 1820  | 0512-0114000F | DRILLED SHAFT EXCAVATION, 96 INCH DIAMETER               | FOOT    | 386      |
| 1830  | 0512-0115500F | PERMANENT SHAFT CASINGS, 96 INCH DIAMETER                | FOOT    | 61       |
| 1840  | 0530-0104000A | REINFORCEMENT, GRADE 60                                  | LS(LB)  | 170,925  |
| 1850  | 0530-0104000A | REINFORCEMENT, GRADE 80                                  | LS(LB)  | 73,500   |
| 1860  | 0540-0203100A | DECK CONCRETE, CLASS HPC4500                             | LS(CY)  | 85       |
| 1870  | 0540-0302000A | GENERAL STRUCTURAL CONCRETE, CLASS 4000                  | LS(CY)  | 703      |
| 1880  | 0540-0401000J | SAW CUT TEXTURING  | SQYD    | 360      |
| 1890  | 0557-0102000K | FURNISH PREMIXED POLYMER CONCRETE                        | CUYD    | 15       |
| 1900  | 0557-0104000J | CONSTRUCT PPC OVERLAY                                    | SQYD    | 520      |
| 1910  | 0560-0102000A | STEEL PLATE GIRDER                                       | LB      | 117,705  |
| 1920  | 0560-0109000A | STRUCTURAL STEEL MAINTENANCE                             | LB      | 5,518    |
| 1930  | 0581-0100000E | BRIDGE DRAINS  | EACH    | 2        |
| 1940  | 0582-         | RELOCATE EXISTING BEARING DEVICES                        | EACH    | 3        |
| 1950  | 0582-0010000E | BEARING DEVICES, P9                                      | EACH    | 5        |
| 1960  | 0583-0201000F | PVC CONDUIT SYSTEM, 2 INCH DIAMETER                      | FOOT    | 1,065    |
| 1970  | 0585-0214000A | STRIP SEALS  | LS(LF)  | 20       |
| 1980  | 0585-         | STRIP SEAL REPLACEMENT - (EXISTING NEOPRENE REPLACEMENT) | LF      | 40       |
| 1990  | 0587-0126000A | TYPE "F" CONCRETE RAIL, 42 INCH, MODIFIED                | LS(LF)  | 715      |
| 2000  | 0587-0126100A | TYPE "F" CONCRETE RAIL, 42 INCH                          | LS(LF)  | 350      |
| <b>552 - Bridge Nos. 09403R (Abernethy)</b> |               |  |         |          |
| 2010  | 0501-010000A  | BRIDGE REMOVAL WORK                                      | LS      | 1        |
| <b>560 - Retaining Walls</b>                |               |  |         |          |
| 2020  | 0596-0108000A | RETAINING WALL A1, (MAIN ST)                             | SF      | 6,400    |
| 2030  | 0596-0108000A | RETAINING WALL A2, (CLACKAMETTE, EAST)                   | SF      | 1,400    |
| 2040  | 0596-0108000A | RETAINING WALL A3, (CLACKAMETTE, WEST)                   | SF      | 2,950    |
| 2050  | 0596-0108000A | RETAINING WALL A4, (OR43)                                | SF      | 1,560    |
| 2060  | 0597-0100000J | SOUND WALLS  | SF      | 17,800   |
| 2070  | 0597-0100000J | SOUND WALLS, TRANSITION                                  | LS      | 2        |
| 2080  | 597           | SOUND WALL, METAL, BRIDGE #09702                         | SF      | 1,000    |
| <b>600 - BASES</b>                          |               |  |         |          |
| 2090  | 0620-0104000J | COLD PLANE PAVEMENT REMOVAL, 0 - 2 INCHES DEEP           | SQYD    | 1,000    |
| 2100  | 0620-0120000J | COLD PLANE PAVEMENT REMOVAL, 2 INCHES DEEP               | SQYD    | 14,312   |
| 2110  | 0620-0123000J | COLD PLANE PAVEMENT REMOVAL, 4 INCHES DEEP               | SQYD    | 6,224    |
| 2120  | 0641-0102000M | AGGREGATE BASE   | TON     | 17,989   |
| <b>700 - WEARING SURFACES</b>               |               |  |         |          |
| 2130  | 0730-0100000M | EMULSIFIED ASPHALT FOR TACK COAT                         | TON     | 66       |
| 2140  | 0745-0302000M | LEVEL 3, 1/2 INCH ACP                                    | TON     | 7,839    |
| 2150  | 0745-0402000M | LEVEL 4, 1/2 INCH ACP                                    | TON     | 5,831    |
| 2160  | 0745-0620000M | PG 64-22 ASPHALT IN LEVEL 3, 1/2 INCH ACP                | TON     | 455      |
| 2170  | 0745-0640100M | PG 70-22ER ASPHALT IN LEVEL 4, 1/2 INCH ACP              | TON     | 338      |
| 2180  | 0749-0100000E | EXTRA FOR ASPHALT APPROACHES                             | EACH    | 11       |
| 2190  | 0755-0106000J | CONTINUOUSLY REINFORCED CONCRETE PAVEMENT 10 INCH THICK  | SQYD    | 2,455    |
| 2200  | 0759-0105000F | CONCRETE CURBS, CURB AND GUTTER,                         | FOOT    | 1,388    |
| 2210  | 0759-0110000F | CONCRETE CURBS, STANDARD CURB                            | FOOT    | 2,949    |
| 2220  | 0759-0112000F | CONCRETE CURBS, STANDARD CURB, MODIFIED                  | FOOT    | 289      |
| 2230  | 0759-0106000F | CONCRETE CURBS, LOW PROFILE MOUNTABLE CURB               | FOOT    | 6,967    |
| 2240  | 0759-0108000F | CONCRETE CURBS, LOW PROFILE MOUNTABLE CURB, MODIFIED     | FOOT    | 396      |
| 2250  | 0759-0122000J | CONCRETE ISLANDS   | SQFT    | 9,640    |
| 2260  | 0759-0126000J | CONCRETE DRIVEWAYS                                       | SQFT    | 198      |
| 2270  | 0759-0128000J | CONCRETE WALKS   | SQFT    | 29,230   |
| 2280  | 0759-0138000J | 4 INCH CONCRETE SURFACING                                | SQFT    | 1,107    |
| 2290  | 0759-0140000J | 6 INCH CONCRETE SURFACING                                | SQFT    | 1,655    |
| 2300  | 0759-0145000J | 11 INCH CONCRETE SURFACING                               | SQFT    | 6,278    |
| 2310  | 0759-0150000K | CONCRETE STAIRS  | CUYD    | 15       |
| 2320  | 0759-0154100E | EXTRA FOR NEW CURB RAMPS                                 | EACH    | 28       |
| 2330  | 0759-0510000J | TRUNCATED DOMES ON NEW SURFACES                          | SQFT    | 520      |

**I-205: I-5 - OR213, PHASE 1 SEC.  
PRELIMINARY - NOT FOR CONSTRUCTION  
QUANTITY ESTIMATE - CONT.**

| ITEM NO.  | BID ITEM CODE | ITEM   | UNIT     | QUANTITY |
|---|---------------|--|----------|----------|
| <b>800 - PERMANENT TRAFFIC SAFETY AND GUIDANCE DEVICES</b>      |               |  |          |          |
| 2340  | 0810-0126000E | GUARDRAIL TRANSITION   | EA       | 3        |
| 2350  | 0810-0128000E | GUARDRAIL CONNECTIONS  | EACH     | 1        |
| 2360  | 0810-0129000E | GUARDRAIL TERMINALS, NON-FLARED                                  | EA       | 8        |
| 2370  | 0810-0104000F | 31 INCH GUARDRAIL, TYPE 2A                                       | FOOT     | 3,151    |
| 2380  | 0810-0107000F | 31 INCH GUARDRAIL, TYPE 3  | FOOT     | 38       |
| 2390  | 0810-0147000E | GUARDRAIL HEIGHT CONVERSION, TYPE 2A                             | EA       | 1        |
| 2400  | 0815-0101000E | REMOVABLE BOLLARDS   | EA       | 10       |
| 2410  | 0820-0400000F | SECURING CONCRETE BARRIER  | FOOT     | 75       |
| 2420  | 0820-0100000F | CONCRETE BARRIER   | FOOT     | 75       |
| 2430  | 0820-0127000F | CONCRETE BARRIER, TALL   | FOOT     | 318      |
| 2440  | 0830-0125000E | IMPACT ATTENUATOR, TYPE L  | EA       | 1        |
| 2450  | 0840-0105000E | DELINEATORS, TYPE 5  | EACH     | 273      |
| 2460  | 0840-0105500E | DELINEATORS, TYPE 6  | EACH     | 128      |
| 2470  | 0840-0106000E | MILEPOST MARKER POSTS  | EA       | 6        |
| 2480  | 0842-0101000E | FIELD FACILITY MARKERS, TYPE S1 GREEN                            | EACH     | 16       |
| 2490  | 0842-0102000E | FIELD FACILITY MARKERS, TYPE S1 RED                              | EACH     | 16       |
| 2500  | 0842-0103000E | FIELD FACILITY MARKERS, TYPE S2                                  | EACH     | 16       |
| 2510  | 0842-0201000E | CULVERT DRAINAGE MARKERS, TYPE 1                                 | EACH     | 50       |
| 2520  | 0842-0202000E | CULVERT DRAINAGE MARKERS, TYPE 2                                 | EACH     | 15       |
| 2530  | 0855-0100100E | MONO-DIRECTIONAL WHITE TYPE I MARKERS                            | EACH     | 1,340    |
| 2540  | 0857-0101000L | CONTINUOUS RUMBLE STRIPS   | MILE     | 0.95     |
| 2550  | 0857-0101500L | GAP PATTERN RUMBLE STRIPS  | MILE     | 0.63     |
| 2560  | 0860-0200000F | LONGITUDINAL PAVEMENT MARKINGS - PAINT                           | FOOT     | 1,740    |
| 2570  | 0865-0116500F | METHYL METHACRYLATE, EXTRUDED, SURFACE, PROFILED                 | FOOT     | 74,854   |
| 2580  | 0867-0103100E | PAVEMENT LEGEND, TYPE B-HS: ARROWS                               | EACH     | 39       |
| 2590  | 0867-0107100E | PAVEMENT LEGEND, TYPE B-HS: "ONLY"                               | EACH     | 1        |
| 2600  | 0867-0131000E | PAVEMENT LEGEND, TYPE B-HS: BICYCLE LANE STENCIL                 | EACH     | 5        |
| 2610  | 0867-0145100J | PAVEMENT BAR, TYPE B-HS  | SQFT     | 1,859    |
| 2620  | 0867-0169100E | PAVEMENT LEGEND, TYPE B-HS: YIELD LINE TRIANGLE                  | EACH     | 15       |
| 2630  | 0868-0200000J | GREEN BICYCLE LANE, METHYL METHACRYLATE                          | SQFT     | 228      |
| <b>900 - PERMANENT TRAFFIC CONTROL AND ILLUMINATION SYSTEMS</b> |               |  |          |          |
| 2640  | 0902-0101000E | CROSSWALK CLOSURE SUPPORTS                                       | EACH     | 8        |
| 2650  | 0905-0100000A | REMOVE EXISTING SIGNS  | LS       | 1        |
| 2660  | 0905-0101000A | REMOVE AND REINSTALL EXISTING SIGNS                              | LS       | 1        |
| 2670  | 0910-0100000K | WOOD SIGN POSTS  | FBM      | 1,000    |
| 2680  | 0920-0100000A | SIGN SUPPORT FOOTINGS  | LS       | 1        |
| 2690  | 0930-0106000A | EXIT NUMBER SIGN MOUNTS  | LS       | 1        |
| 2700  | 0930-0110000A | SECONDARY SIGN MOUNTS  | LS       | 1        |
| 2710  | 0930-0111000A | MULTI-POST BREAKAWAY SIGN SUPPORTS                               | LS       | 1        |
| 2720  | 0930-0112000A | TRIANGULAR BASE BREAKAWAY SIGN SUPPORTS                          | LS       | 1        |
| 2730  | 0930-0114000A | PERFORATED STEEL SQUARE TUBE SLIP BASE SIGN SUPPORTS             | LS       | 1        |
| 2740  | 0930-0116000A | PIPE SIGN SUPPORTS   | LS       | 1        |
| 2750  | 0930-0117000A | PERFORATED STEEL SQUARE TUBE ANCHOR SIGN SUPPORTS                | LS       | 1        |
| 2760  | 0940-0201000J | SIGNS, STANDARD SHEETING, EXTRUDED ALUMINUM                      | SQFT     | 3,000    |
| 2770  | 0940-0202000J | SIGNS, STANDARD SHEETING, SHEET ALUMINUM                         | SQFT     | 300      |
| 2780  | 0940-0204100J | SIGNS, WIDE ANGLE SHEETING, EXTRUDED ALUMINUM                    | SQFT     | 140      |
| 2790  | 0940-0205100J | SIGNS, WIDE ANGLE SHEETING, SHEET ALUMINUM                       | SQFT     | 90       |
| 2800  | 0942-0100000E | PERMANENT TYPE III BARRICADES                                    | EACH     | 2        |
| 2810  | 0950-0101000A | REMOVAL OF ELECTRICAL SYSTEMS, OR43/I-205 NB INTERSECTION SIGNAL | LS       | 1        |
| 2820  | 0950-0101000A | REMOVAL OF ELECTRICAL SYSTEMS, OR43/I-205 NB RAMP METERS         | LS       | 1        |
| 2830  | 0965-0100000A | CAMERA POLES & FOUNDATIONS                                       | LS       | 1        |
| 2840  | 0970-0100000A | POLE FOUNDATIONS   | LS       | 1        |
| 2850  | 0970-0104000A | LUMINAIRES, LAMPS, AND BALLASTS                                  | LS       | 1        |
| 2860  | 0970-0105000A | SWITCHING, CONDUIT, AND WIRING                                   | LS       | 1        |
| 2870  | 0970-0200000A | LIGHTING POLES AND ARMS  | LS       | 1        |
| 2880  | 0985-0100000D | ELECTRICAL SYSTEM INSTALLATION, FIBER RELOCATION                 | LS       | 1        |
| 2890  | 0985-0100000B | ELECTRICAL SYSTEM INSTALLATION, SITE 2                           | LS       | 1        |
| 2900  | 0985-0100000A | ELECTRICAL SYSTEM INSTALLATION, SITE 1                           | LS       | 1        |
| 2910  | 0990-0102000A | TRAFFIC SIGNAL MODIFICATION, OR99/I-205 SB RAMP                  | LS       | 1        |
| 2920  | 0990-0102000A | TRAFFIC SIGNAL MODIFICATION, OR99/I-205 NB RAMP                  | LS       | 1        |
| 2930  | 0990-0102000A | TRAFFIC SIGNAL MODIFICATION, OR43/I-205 SB RAMP                  | LS       | 1        |
| 2940  | 0990-0104000A | RAMP METER SIGNAL INSTALLATION, I-205 SB RAMP AT OR99            | LS       | 1        |
| 2950  | 0990-0104000A | RAMP METER SIGNAL INSTALLATION, I-205 NB RAMP AT OR99            | LS       | 1        |
| 2960  | 0990-0106000A | FLASHING BEACON INSTALLATION, OR43/WILLAMETTE FALLS DRIVE        | LS       | 1        |
| 2970  | 1999-9Z90000A | UNDERDECK ILLUMINATION, OR99E                                    | LS       | 1        |
| 2980  | 1999-9Z90000A | UNDERDECK ILLUMINATION, OR43                                     | LS       | 1        |
| 2990  | 1999-9Z90000A | NAVIGATION LIGHTING  | LS       | 1        |
| 3000  | 1999-9Z90000A | GIRDER ILLUMINATION  | LS       | 1        |
| 3020  | 0987-0110000A | TELECOMMUNICATIONS, INSTALLATION                                 | LS       | 1        |
| 3030  | 0987-0120000A | TELECOMMUNICATIONS, SPLICING AND TESTING                         | LS       | 1        |
| <b>901 - MONOTUBE CANTILEVER #XXXXX MP 11.31 OR43</b>           |               |  |          |          |
| 3040  | 0510-0100000A | SHORING, CRIBBING, AND COFFERDAMS                                | LS(SQYD) | 50       |
| 3050  | 0920-0100000A | SIGN SUPPORT FOOTINGS  | LS(CY)   | 34       |
| 3060  | 0930-0104000A | MONOTUBE CANTILEVER SIGN STRUCTURES                              | LS(LB)   | 13,225   |

**I-205: I-5 - OR213, PHASE 1 SEC.  
PRELIMINARY - NOT FOR CONSTRUCTION  
QUANTITY ESTIMATE - CONT.**

| ITEM NO.   | BID ITEM CODE  | ITEM   | UNIT     | QUANTITY |
|--|----------------|--|----------|----------|
| <b>902 - TRUSS BRIDGE SIGN BRIDGE #19257 MP 10.34 SB</b>               |                |  |          |          |
| 3070   | 0501-0100000A  | BRIDGE REMOVAL WORK                                    | LS(SQYD) | 1        |
| 3080   | 0930-0109000A  | VERTICAL SIGN MOUNTS ON EXISTING STRUCTURES            | LS(LB)   | 850      |
| <b>903 - TRUSS BRIDGE SIGN BRIDGE #09816D OR43 MP 11.13</b>            |                |  |          |          |
| 3090   | 0501-0100000A  | BRIDGE REMOVAL WORK                                    | LS       | 1        |
| 3100   | 0930-0109000A  | VERTICAL SIGN MOUNTS ON EXISTING STRUCTURES            | LS(LB)   | 239      |
| <b>904 - STRUCTURE MOUNTED SIGN SUPPORT #09403 (I-205) M.P. 9.27</b>   |                |  |          |          |
| 3110   | 0501-0100000A  | BRIDGE REMOVAL WORK                                    | LS       | 1        |
| 3120   | 0930-0105000A  | BRIDGE STRUCTURE MOUNTS                                | LS(LB)   | 2,575    |
| <b>905 - STRUCTURE MOUNTED SIGN SUPPORT #09403 (I-205) M.P. 8.69</b>   |                |  |          |          |
| 3130   | 0501-0100000A  | BRIDGE REMOVAL WORK                                    | LS       | 1        |
| 3140   | 0930-0105000A  | BRIDGE STRUCTURE MOUNTS                                | LS(LB)   | 1,110    |
| <b>906- TRUSS SIGN BRIDGE #xxxxxx (I-205) MP 9.07 NB/SB</b>            |                |  |          |          |
| 3150   | 0930-0101000A  | TRUSS SIGN BRIDGE                                      | LS(LB)   | 68,955   |
| <b>907- TRUSS SIGN BRIDGE #xxxxxx (I-205) MP 9.60 NB/SB</b>            |                |  |          |          |
| 3160   | 0510-0100000A  | SHORING, CRIBBING, AND COFFERDAMS                      | LS(SQYD) | 100      |
| 3170   | 0921-0101000F  | 42 INCH DIAMETER SIGN SUPPORT DRILLED SHAFT FOUNDATION | LF       | 120      |
| 3180   | 0930-0101000A  | TRUSS SIGN BRIDGE                                      | LS(LB)   | 67,800   |
| 3190   | 01050-9Z90000J | GRAFFITI DETERRENT SCREENING                           | SQFT     | 900      |
| <b>908- TRUSS SIGN BRIDGE #xxxxxx (I-205) MP 9.95 NB/SB</b>            |                |  |          |          |
| 3200   | 0510-0100000A  | SHORING, CRIBBING, AND COFFERDAMS                      | LS(SQYD) | 100      |
| 3210   | 0921-0101000F  | 42 INCH DIAMETER SIGN SUPPORT DRILLED SHAFT FOUNDATION | LF       | 102      |
| 3220   | 0930-0101000A  | TRUSS SIGN BRIDGE                                      | LS(LB)   | 67,280   |
| 3230   | 01050-9Z90000J | GRAFFITI DETERRENT SCREENING                           | SQFT     | 900      |
| <b>909- TRUSS SIGN BRIDGE #xxxxxx (I-205) MP 9.22 NB/SB</b>            |                |  |          |          |
| 3240   | 0930-0101000A  | TRUSS SIGN BRIDGE                                      | LS(LB)   | 68,294   |
| <b>910 - TRUSS BRIDGE SIGN BRIDGE #19256 (I-205) M.P. 10.68 SB</b>     |                |  |          |          |
| 3250   | 0501-0100000A  | BRIDGE REMOVAL WORK                                    | LS(SQYD) | 4        |
| 3260   | 0930-0109000A  | VERTICAL SIGN MOUNTS ON EXISTING STRUCTURES            | LS(LB)   | 1,680    |
| <b>911 - STRUCTURE MOUNTED SIGN SUPPORT #09757 (I-205) MP 11.04 SB</b> |                |  |          |          |
| 3270   | 0501-0100000A  | BRIDGE REMOVAL WORK                                    | LS(SQYD) | 1        |
| 3280   | 0930-0109000A  | VERTICAL SIGN MOUNTS ON EXISTING STRUCTURES            | LS(LB)   | 1,780    |
| <b>1000 - RIGHT OF WAY DEVELOPMENT AND CONTROL</b>                     |                |  |          |          |
| 3290   | 1011-0200000A  | BIORETENTION POND, DFI #XXXXXXX (HA04)                 | LS       | 1        |
| 3300   | 1011-0200000A  | BIORETENTION POND, DFI #XXXXXXX (HA05)                 | LS       | 1        |
| 3310   | 1011-0200000A  | BIORETENTION POND, DFI #XXXXXXX (HA07)                 | LS       | 1        |
| 3320   | 1012-0100000A  | WATER QUALITY BIORETENTION SWALE, DFI #XXXXXXX(HA08)   | LS       | 1        |
| 3330   | 1012-0100000A  | WATER QUALITY BIORETENTION SWALE, DFI #XXXXXXX(HA10)   | LS       | 1        |
| 3340   | 1012-0100000A  | WATER QUALITY BIORETENTION SWALE, DFI #XXXXXXX(HA11)   | LS       | 1        |
| 3350   | 1015-          | STORMWATER PLANTER, HA06                               | LS       | 1        |
| 3360   | 1030-0101000R  | WEED CONTROL   | ACRE     | 9.3      |
| 3370   | 1030-0102000E  | SEEDING MOBILIZATION                                   | EACH     | 7        |
| 3380   | 1030-0108000R  | PERMANENT SEEDING                                      | ACRE     | 2.6      |
| 3390   | 1030-0113000R  | WETLAND SEEDING  | ACRE     | 0.01     |
| 3400   | 1030-0118000R  | WATER QUALITY SEEDING                                  | ACRE     | 0.5      |
| 3410   | 1030-0133000R  | WILDFLOWER SEEDING                                     | ACRE     | 1.6      |
| 3420   | 1030-          | RIPARIAN SEEDING                                       | ACRE     | 1.5      |
| 3430   | 1030-          | NATIVE SHADE SEEDING                                   | ACRE     | 1.9      |
| 3440   | 1030-          | NATIVE SHRUB AND FORB SEEDING                          | ACRE     | 1.2      |
| 3450   | 1040-0100000E  | SOIL TESTING   | EACH     | 35       |
| 3460   | 1040-0107000K  | SOIL CONDITIONER                                       | CUYD     | 191      |
| 3470   | 1050-0135000F  | CHAIN LINK FENCE                                       | FOOT     | 0        |
| 3480   | 1069-0100000F  | METAL RAILING, TWO RAILS                               | LF       | 1,620    |
| 3490   | 1091-0100000A  | STREAMBED ENHANCEMENT                                  | LS       | 1        |
| <b>1100 - WATER SUPPLY SYSTEMS</b>                                     |                |  |          |          |
| 3500   | 1120-          | IRRIGATION   | LS       | 1        |
| 3510   | 1140-0145000F  | INCH POTABLE WATER PIPE                                | LS       | 1        |