

**EARTHWORK**

| LOCATION                      | EARTH EXCAVATION (CUT) (CU YD) | EARTH EXCAV. ADJUSTED FOR SHRINKAGE (CU YD) | EMBANKMENT (FILL) (CU YD) | EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-) (CU YD) |
|-------------------------------|--------------------------------|---|---------------------------|---|
| IL 105 CROSSOVER CONSTRUCTION | 725                            | 544   | 320                       | 224   |
| IL 105 FINAL CONSTRUCTION     | 385                            | 289   | 255                       | 34  |
| <b>TOTAL</b>                  | <b>1110</b>                    | <b>833</b>                                  | <b>575</b>                | <b>258</b>  |
| EARTH EXCAVATION              | 1110                           |   |                           |   |

\*AN EARTH SHRINKAGE FACTOR OF 0.25 IS APPLIED

**SEEDING, FERTILIZERS AND MULCH**

| LOCATION             | STATION TO | STATION   | OFFSET | SEEDING CLASS 2A (ACRE) | NITROGEN FERTILIZER NUTRIENT (POUND) | PHOSPHORUS FERTILIZER NUTRIENT (POUND) | POTASSIUM FERTILIZER NUTRIENT (POUND) | AGRICULTURAL GROUND LIMESTONE (TON) | MULCH, METHOD 2 (ACRE) | TEMPORARY EROSION CONTROL SEEDING (POUND) |
|----------------------|------------|-----------|--------|-------------------------|--------------------------------------|--|---------------------------------------|-------------------------------------|------------------------|---|
| IL 105               | 650+36.40  | 653+40.85 | -      | 0.28                    |                                      |  |                                       |                                     |                        |   |
|                      | 658+17.35  | 661+51.35 | -      | 0.29                    |                                      |  |                                       |                                     |                        |   |
| <b>TOTAL</b>         |            |           |        | <b>0.57</b>             |                                      |  |                                       |                                     |                        |   |
| <b>ROUNDED TOTAL</b> |            |           |        | <b>0.75</b>             | <b>68</b>                            | <b>68</b>                              | <b>68</b>                             | <b>2</b>                            | <b>0.75</b>            | <b>225</b>                                |

**PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"**

| LOCATION          | STATION   | OFFSET    | EACH     |
|-------------------|-----------|-----------|----------|
| IL 105 NORTHBOUND | 653+03.85 | 238.8' LT | 1        |
|                   | 659+15.00 | 39.2' LT  | 1        |
|                   | 660+90.00 | 37.2' LT  | 1        |
| <b>TOTAL</b>      |           |           | <b>3</b> |

**PIPE CULVERTS, CLASS A, TYPE 1 24" (TEMPORARY)**

| LOCATION     | STATION TO | STATION  | OFFSET    | FOOT       |
|--------------|------------|----------|-----------|------------|
| IL 105       | 659+15.00  | 39.2' LT | 660+90.00 | 37.2' LT   |
| <b>TOTAL</b> |            |          |           | <b>172</b> |

**STORM SEWERS, CLASS A, TYPE 2, 12"**

| LOCATION     | STATION TO | STATION   | OFFSET | FOOT       |
|--------------|------------|-----------|--------|------------|
| IL 105       | 653+53.61  | 653+20.38 | LT     | 40         |
|              | 653+12.28  | 653+20.38 | LT     | 25         |
|              | 653+70.69  | 653+20.38 | LT     | 55         |
|              | 653+70.42  | 653+47.59 | LT     | 30         |
|              | 653+47.59  | 653+20.35 | LT     | 30         |
| <b>TOTAL</b> |            |           |        | <b>180</b> |

**STORM SEWERS, CLASS A, TYPE 2, 24"**

| LOCATION     | STATION TO | STATION   | OFFSET | FOOT       |
|--------------|------------|-----------|--------|------------|
| IL 105       | 653+20.42  | 652+54.46 | LT     | 65         |
|              | 652+54.46  | 652+50.27 | LT     | 56         |
|              | 652+50.27  | 653+03.85 | LT     | 48         |
| <b>TOTAL</b> |            |           |        | <b>169</b> |

**STORM SEWERS, CLASS A, TYPE 3, 24"**

| LOCATION     | STATION TO | STATION   | OFFSET | FOOT       |
|--------------|------------|-----------|--------|------------|
| IL 105       | 653+20.38  | 653+20.35 | LT     | 80         |
|              | 653+20.35  | 653+20.42 | LT     | 30         |
| <b>TOTAL</b> |            |           |        | <b>110</b> |

**CONCRETE HEADWALLS FOR PIPE DRAINS**

| LOCATION          | STATION TO | OFFSET | EACH     |
|-------------------|------------|--------|----------|
| IL 105 SOUTHBOUND | 653+60.56  | LT     | 1        |
|                   | 657+97.64  | LT     | 1        |
| <b>TOTAL</b>      |            |        | <b>2</b> |

**MANHOLES, TYPE A, 5' DIAMETER, TYPE 1 FRAME, CLOSED LID**

| LOCATION          | STATION   | OFFSET    | EACH     |
|-------------------|-----------|-----------|----------|
| IL 105 NORTHBOUND | 652+50.27 | 208.1' LT | 1        |
|                   | 652+54.46 | 152.2' LT | 1        |
|                   | 653+20.35 | 122.6' LT | 1        |
|                   | 653+20.42 | 155.8' LT | 1        |
|                   | 653+47.59 | 123.2' LT | 1        |
| <b>TOTAL</b>      |           |           | <b>5</b> |

**INLETS, TYPE A**

| LOCATION          | STATION   | OFFSET   | EACH     |
|-------------------|-----------|----------|----------|
| IL 105 SOUTHBOUND | 653+43.19 | 97.0' LT | 1        |
|                   | 653+53.55 | 17.2' LT | 1        |
|                   | 653+70.69 | 63.4' LT | 1        |
| <b>TOTAL</b>      |           |          | <b>3</b> |

**MANHOLES TO BE ADJUSTED WITH NEW TYPE 8 GRATE**

| LOCATION          | STATION   | OFFSET   | EACH     |
|-------------------|-----------|----------|----------|
| IL 105 NORTHBOUND | 650+62.28 | 33.2' LT | 1        |
|                   | 651+73.32 | 36.3' LT | 1        |
| <b>TOTAL</b>      |           |          | <b>2</b> |

**TRENCH BACKFILL**

| LOCATION           | STATION   | OFFSET    | TO STATION | OFFSET    | CU YD      |
|--------------------|-----------|-----------|------------|-----------|------------|
| IL 105 CROSSOVER   | 659+43.00 | 40' LT    | 660+63.00  | 39' LT    | 39         |
| IL 105 STORM SEWER | 653+20.00 | 61' LT    | 653+20.00  | 98' LT    | 353        |
|                    | 653+50.27 | 208.1' LT | 653+54.46  | 152.2' LT | 26         |
| <b>TOTAL</b>       |           |           |            |           | <b>418</b> |

**PERIMETER EROSION BARRIER**

| LOCATION     | STATION TO | STATION   | OFFSET | FOOT       |
|--------------|------------|-----------|--------|------------|
| IL 105       | 652+60.00  | 653+40.00 | LT     | 80         |
|              | 653+40.00  | 653+64.00 | LT     | 69         |
|              | 653+51.00  | 653+64.00 | MED    | 46         |
|              | 658+17.00  | 659+05.00 | MED    | 88         |
|              | 658+44.00  | 659+05.00 | MED    | 61         |
|              | 659+16.00  | 659+16.00 | MED    | 30         |
| <b>TOTAL</b> |            |           |        | <b>374</b> |

**INLET & PIPE PROTECTION**

| LOCATION          | STATION   | OFFSET    | EACH      |
|-------------------|-----------|-----------|-----------|
| IL 105 NORTHBOUND | 650+62.28 | 33.2' LT  | 1         |
|                   | 650+65.95 | 43.6' LT  | 1         |
|                   | 651+61.99 | 14.9' RT  | 1         |
|                   | 651+71.60 | 14.3' RT  | 1         |
|                   | 651+73.32 | 36.3' LT  | 1         |
|                   | 652+50.27 | 208.1' LT | 1         |
|                   | 652+54.46 | 152.2' LT | 1         |
|                   | 653+20.38 | 39.0' LT  | 1         |
|                   | 653+20+35 | 122.6' LT | 1         |
|                   | 653+20.42 | 155.8' LT | 1         |
|                   | 653+47.59 | 123.2' LT | 1         |
|                   | 658+93.01 | 15.2' RT  | 1         |
|                   | 659+31.57 | 16.8' LT  | 1         |
|                   | 659+47.52 | 14.6' LT  | 1         |
|                   | 660+90.00 | 37.2' LT  | 1         |
|                   | 660+95.22 | 14.0' LT  | 1         |
| IL 105 SOUTHBOUND | 650+99.03 | 32.2' LT  | 1         |
|                   | 651+71.80 | 22.6' RT  | 1         |
|                   | 653+12.28 | 14.6' RT  | 1         |
|                   | 658+42.36 | 15.4' LT  | 1         |
|                   | 659+31.82 | 14.2' RT  | 1         |
| <b>TOTAL</b>      |           |           | <b>21</b> |

**STONE DUMPED RIPRAP, CLASS A5**

| LOCATION     | STATION   | OFFSET    | TON       |
|--------------|-----------|-----------|-----------|
| IL 105       | 653+03.85 | 238.8' LT | 15        |
| <b>TOTAL</b> |           |           | <b>15</b> |

**SUB-BASE GRANULAR MATERIAL, TYPE B**

| LOCATION          | STATION TO | STATION   | OFFSET | TON         |
|-------------------|------------|-----------|--------|-------------|
| IL 105 SOUTHBOUND | 652+50.00  | 653+40.85 | LT     | 2           |
|                   | 652+50.00  | 653+40.85 | RT     | 5           |
|                   | 658+17.35  | 659+54.20 | LT     | 4           |
|                   | 658+17.35  | 659+54.20 | RT     | 2           |
| IL 105 CROSSOVERS | 650+36.44  | 652+77.95 | MED    | 389         |
|                   | 658+57.11  | 661+59.54 | MED    | 624         |
| IL 105 NORTHBOUND | 652+00.00  | 653+14.10 | LT     | 7           |
|                   | 652+00.00  | 653+14.10 | RT     | 1           |
|                   | 658+44.10  | 658+80.34 | LT     | 1           |
|                   | 658+44.10  | 658+80.34 | RT     | 1           |
| <b>TOTAL</b>      |            |           |        | <b>1036</b> |

**PORTLAND CEMENT CONCRETE BASE COURSE WIDENING 14"**

| LOCATION          | STATION TO | STATION   | OFFSET | SQ YD     |
|-------------------|------------|-----------|--------|-----------|
| IL 105 SOUTHBOUND | 652+50.00  | 653+40.85 | LT     | 13        |
|                   | 652+50.00  | 653+40.85 | RT     | 17        |
|                   | 658+17.35  | 659+54.20 | LT     | 11        |
|                   | 658+17.35  | 659+54.20 | RT     | 10        |
| IL 105 NORTHBOUND | 652+00.00  | 653+14.10 | LT     | 26        |
|                   | 652+00.00  | 653+14.10 | RT     | 5         |
|                   | 658+44.10  | 658+80.34 | LT     | 4         |
|                   | 658+44.10  | 658+80.34 | RT     | 1         |
| <b>TOTAL</b>      |            |           |        | <b>87</b> |

**BITUMINOUS MATERIALS (PRIME COAT)**

| LOCATION                | STATION TO | STATION   | OFFSET | POUND        |
|-------------------------|------------|-----------|--------|--------------|
| IL 105 SOUTHBOUND LANES | 652+50.00  | 653+40.85 | LT&RT  | 111.7        |
|                         | 658+17.35  | 659+54.20 | LT&RT  | 182.1        |
| IL 105 NORTHBOUND LANES | 652+00.00  | 653+14.10 | LT&RT  | 144.5        |
|                         | 658+44.10  | 658+80.34 | LT&RT  | 46.9         |
| <b>TOTAL</b>            |            |           |        | <b>485.2</b> |
| <b>ROUNDED TOTAL</b>    |            |           |        | <b>485</b>   |

**CLASS D PATCHES, TYPE IV, 15 INCH**

| LOCATION          | STATION TO | STATION   | SQ YD     |
|-------------------|------------|-----------|-----------|
| IL 105 SOUTHBOUND | 653+04.15  | 653+36.65 | 87        |
| <b>TOTAL</b>      |            |           | <b>87</b> |

**TEMPORARY RAMP**

| LOCATION          | STATION TO | STATION   | SQ YD      |
|-------------------|------------|-----------|------------|
| IL 105 SOUTHBOUND | 652+50.00  | 652+55.00 | 15         |
|                   | 653+35.85  | 653+40.85 | 16         |
|                   | 658+17.35  | 658+22.35 | 16         |
|                   | 659+49.20  | 659+54.20 | 15         |
| IL 105 NORTHBOUND | 652+00.00  | 652+05.00 | 15         |
|                   | 653+09.10  | 653+14.10 | 15         |
|                   | 658+44.10  | 658+49.10 | 15         |
|                   | 658+75.34  | 658+80.34 | 15         |
| <b>TOTAL</b>      |            |           | <b>122</b> |

**POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N90**

| LOCATION          | STATION TO | STATION   | OFFSET | TON       |
|-------------------|------------|-----------|--------|-----------|
| IL 105 SOUTHBOUND | 652+50.00  | 653+40.85 | LT&RT  | 21        |
|                   | 658+17.35  | 659+54.20 | LT&RT  | 34        |
| IL 105 NORTHBOUND | 652+00.00  | 653+14.10 | LT&RT  | 33        |
|                   | 658+44.10  | 658+80.34 | LT&RT  | 8         |
| <b>TOTAL</b>      |            |           |        | <b>96</b> |

**PORTLAND CEMENT CONCRETE PAVEMENT 10"**

| LOCATION          | STATION TO | STATION   | OFFSET | SQ YD       |
|-------------------|------------|-----------|--------|-------------|
| IL 105 CROSSOVERS | 650+36.44  | 652+77.95 | -      | 569         |
|                   | 658+57.11  | 661+59.54 | -      | 912         |
| <b>TOTAL</b>      |            |           |        | <b>1481</b> |

**PAVEMENT REMOVAL**

| LOCATION          | STATION TO | STATION   | OFFSET | SQ YD       |
|-------------------|------------|-----------|--------|-------------|
| IL 105 CROSSOVERS | 650+36.44  | 652+77.95 | -      | 569         |
|                   | 658+57.11  | 661+59.54 | -      | 912         |
| <b>TOTAL</b>      |            |           |        | <b>1481</b> |

**COMBINATION CURB AND GUTTER REMOVAL**

| LOCATION          | STATION TO | STATION   | OFFSET | FOOT        |
|-------------------|------------|-----------|--------|-------------|
| IL 105 NORTHBOUND | 650+36.40  | 653+14.10 | LT     | 278         |
|                   | 652+00.00  | 653+14.10 | RT     | 114         |
|                   | 658+44.10  | 658+80.34 | RT     | 36          |
|                   | 658+44.10  | 660+97.71 | LT     | 254         |
| IL 105 SOUTHBOUND | 650+73.29  | 653+40.85 | RT     | 268         |
|                   | 652+50.00  | 653+40.85 | LT     | 91          |
|                   | 658+17.35  | 659+54.20 | LT     | 137         |
|                   | 658+17.35  | 661+51.35 | RT     | 334         |
| <b>TOTAL</b>      |            |           |        | <b>1512</b> |