

# GENERAL NOTES

All Borrow/Waste/Use sites must be approved by the Department prior to removing any material from the project or initiating any earthmoving activities, including temporary stockpiling outside the limits of construction.

The Contractor shall seed all disturbed areas within the project limits. Seeding Class 4 or 2A shall be used, except in front of properties where the grass will be mowed, then use Seeding, Class 1A. Class 2A shall be used on front slopes and ditch bottoms. Class 4 shall be used behind Type A gutter, on all backslopes and areas behind the backslope, and beyond the toe of front slope on fill sections without ditches. This work will be included in the contract unit price per Foot for COMMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12.

Fertilizer shall be applied to all disturbed areas and incorporated into the seedbed prior to seeding or placement of sod at the rate specified in Sections 250 and 252 of the Standard Specifications. This work shall be included in the cost of COMMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12.

Mulch Method II shall be applied over all seeded areas. This shall be included in the cost of the COMMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12.

All "Aggregate Subgrade Improvement" (Section 303), shall be completed in accordance with Articles 311.04, 311.05, 311.05(a), 311.06 and 311.07. All aggregate subgrade thicknesses equal to or less than 12 inches shall be constructed of aggregate of CA02 gradation. All aggregate subgrade thicknesses greater than 12 inches shall be constructed of CS02.

When laying out for patching, the minimum distance between new patches (saw cut to saw cut) shall be 15 feet. When patch spacing is less than 15 feet, the pavement between patches shall also be removed and replaced.

Class C Patches shall be tied to the adjacent lane when the patches are more than 20 feet. The cost of the tie bars shall be included in the cost of the patch.

The existing hot-mix asphalt on private and commercial entrances shall be bladed off or milled and disposed of outside the project limits. This could be the entire entrance or tapered at the end depending on if the mainline is resurfaced or milled and resurfaced. The cost of the blading, milling, rolling, and disposal is included in the contract unit price for INCIDENTAL HOT-MIX ASPHALT SURFACING.

The drop off that occurs at entrance edges as a result of resurfacing of the entrance shall be corrected using aggregate shoulder material. This work shall be paid for by the TON for Aggregate Shoulders of the type specified in the plans.

Milling machines on this project shall be capable of removing a layer of bituminous a minimum 6' wide and 1½ inches in depth in a single pass.

The following Mixture Requirements are applicable for this project:

| Location(s):                             | Resurfacing   |              | Shoulders        |
|--|---------------|--------------|------------------|
| Mixture Use(s):                          | Surface       | Level Binder | Top Lift         |
| PG:                                      | PG 58-28      | PG 58-28     | PG 58-28         |
| Design Air Voids:                        | 4.0 @ N70     | 4.0 @ N70    | 4.0 @ N70        |
| Mixture Composition (Mixture Gradation): | IL 9.5        | IL 9.5 FG    | IL 9.5, or 9.5FG |
| Friction Aggregate:                      | D             | N/A          | C                |
| Mixture Weight:                          | 112 lbs/sy/in |              | 112 lbs/sy/in    |
| Quality Management Program:              | QCP           | QCP          | QC / QA          |
| Sublot Size:                             | 1,000         | 1,000        | N/A              |
| Number of Roller Passes <sup>1)</sup> :  | N/A           | N/A          | N/A              |

1) When a number of roller passes is specified, the Contractor may opt to use intelligent compaction in lieu of density testing under the Quality Control for Performance (QCP) program.

The Contractor will be required to furnish 5 1/2" high brass stencils as approved by the Engineer and install stationing at 250' intervals. Stationing shall be placed on both lanes of 2-lane highways and on the outside lanes in both directions on 4-lane highways. The stations shall be placed 6" inside the pavement marking edge so they can be read from the shoulder. This work will be included in the cost of the final pavement surface.

The area to be tacked or primed shall be limited to that which can be covered with HMA on the next day's production, but no more than five days in advance of the placement of the HMA, unless approved by the Engineer.

Reflective Crack Control shall be placed on the existing surface prior to any resurfacing, unless pavement is milled then it will be placed on the binder course.

Install rumble strips in all shoulders in accordance with State Standard 642006 Rumble Strips shall be placed on shoulders on both sides of the pavement.

If, during the grinding or resurfacing operations, the existing mailboxes become a hindrance, the Contractor shall be required to carefully remove and reinstall the mailboxes as directed by the Engineer. This work shall be included in the contract unit price for the INCIDENTAL HOT-MIX ASPHALT SURFACING.

The Contractor shall be responsible for collecting and maintaining an electronic log of all stakeout survey that is performed on the job, either by him/her or any sub-contractor performing the stakeout. Upon request, all logs shall be submitted to the Department. No additional compensation will be allowed for this work, but shall be considered included in the cost for CONSTRUCTION LAYOUT.

Pavement Marking shall be done according to Standard 780001, except as follows:

1. All words, such as ONLY, shall be 8 feet high.
2. All non-freeway arrows shall be the large size.
3. The distance between yellow no-passing lines shall be 8 inches, not 7 inches, as shown in the detail of Typical Lane and Edge Lines.
4. Centerline Skip Dash Pavement Marking on multi-lane divided, multi-lane undivided, and one-way roadway shall be according to District Standard 41.1.

Aggregate Base Course, Type B, is provided in the plan quantities and shall be used only as needed when directed by the Engineer.

The Contractor shall be responsible for locating and protecting utility property during construction operations as outlined in Article 107.39 of the Standard Specifications. A minimum of 48 hours advance notice is required for non-emergency work. The JULIE number is 800-892-0123.

IDOT is not a member of JULIE. If you are near any overhead lighting, intersection lighting or traffic signals, contact the IDOT Traffic Office at 815/284-5469 at least 48 hours prior to work.

CADD data will be available to Contractors and Consultants working on this project, once this project has been awarded. This information will be provided upon request as MicroStation CADD files and Geopak coordinate geometry files ONLY. If data is required in other formats it will be your responsibility to make these conversions. If any discrepancy or inconsistency arises between the electronic data and the information on the hard copy, the information on the hard copy should be used. Contact the District's Project Engineer to request these files.

### Polymerized Bituminous Materials (Tack Coat) Rates

| Surface Type             | Residual Rate   |
|--------------------------|-----------------|
| Milled (HMA or PCC)      | 0.08 lb / sq ft |
| Existing Pavement        | 0.04 lb / sq ft |
| Fog Coat (between lifts) | 0.04 lb / sq ft |



STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

## GENERAL NOTES

SCALE: SHEET NO. OF SHEETS STA. TO STA.

⚠ 4/3/19

|                           |                               |                                |           |   |               |                         |                  |            |              |           |
|---------------------------|-------------------------------|--------------------------------|-----------|---|---------------|-------------------------|------------------|------------|--------------|-----------|
| FILE NAME = 64M39.GN.DOCX | USER NAME =                   | DESIGNED - Engineering Systems | REVISED - | STATE OF ILLINOIS<br>DEPARTMENT OF TRANSPORTATION | GENERAL NOTES | ROUTE                   | SECTION          | COUNTY     | TOTAL SHEETS | SHEET NO. |
|                           | PLOT SCALE =                  | DRAWN -                        | REVISED - |   |               | FAP 301 (US 20 / IL 84) | 29 RS-8          | Jo Daviess | 76           | 3         |
|                           | PLOT DATE = 4/22/2019 8:45 AM | CHECKED -                      | REVISED - |   |               | CONTRACT NO. 64M39      |                  |            |              |           |
|                           | DATE - 1/10/2019 8:46 AM      | REVISED -                      |           |   |               | ILLINOIS                | FED. AID PROJECT |            |              |           |

# SUMMARY OF QUANTITIES

| CODE NUMBER         | ITEM  | UNIT             | RURAL              | ROADWAY                          |
|---------------------|---|------------------|--------------------|----------------------------------|
|                     |   |                  | TOTAL QUANTITY     | 80% FED<br>20% STATE<br><br>0005 |
| 30300106            | AGGREGATE SUBGRADE IMPROVEMENT 6"                       | SQ YD            | 44                 | 44                               |
| 35101400            | AGGREGATE BASE COURSE, TYPE B                           | TON              | 100                | 100                              |
| 40600290            | BITUMINOUS MATERIALS (TACK COAT)                        | POUND            | 75,937             | 75,937                           |
| <del>40600295</del> | <del>POLYMERIZED BITUMINOUS MATERIALS (TACK COAT)</del> | <del>POUND</del> | <del>120,995</del> | <del>120,995</del>               |
| 40600535            | LEVELING BINDER (HAND METHOD), N70                      | TON              | 65                 | 65                               |
| 40600637            | LEVELING BINDER (MACHINE METHOD), 1L-9.5FG, N70         | TON              | 5,062              | 5,062                            |
| 40600990            | TEMPORARY RAMP  | SQ YD            | 322                | 322                              |
| 40601005            | HOT-MIX ASPHALT REPLACEMENT OVER PATCHES                | TON              | 955                | 955                              |
| 40603310            | HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50            | TON              | 6,671              | 6,671                            |
| 40603340            | HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70            | TON              | 6,571              | 6,571                            |
| 40800050            | INCIDENTAL HOT-MIX ASPHALT SURFACING                    | TON              | 427                | 427                              |
| 44000158            | HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"                 | SQ YD            | 126,216            | 126,216                          |
| 44000166            | HOT-MIX ASPHALT SURFACE REMOVAL, 4 1/4"                 | SQ YD            | 2,860              | 2,860                            |
| 44000500            | COMBINATION CURB AND GUTTER REMOVAL                     | FOOT             | 25                 | 25                               |
| 44002217            | HOT-MIX ASPHALT REMOVAL OVER PATCHES, 4 1/4"            | SQ YD            | 1,400              | 1,400                            |

\* SPECIALTY ITEM

MODEL: Default  
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|                              |            |           |
|------------------------------|------------|-----------|
| USER NAME = ankneyde         | DESIGNED - | REVISED - |
|                              | DRAWN -    | REVISED - |
| PLOT SCALE = 40.0000 ' / in. | CHECKED -  | REVISED - |
| PLOT DATE = 1/18/2019        | DATE -     | REVISED - |

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SCHEDULE OF QUANTITIES**

SCALE:      SHEET      OF      SHEETS      STA.      TO STA.

| F.A.P. RTE.        | SECTION | COUNTY    | TOTAL SHEETS | SHEET NO. |
|--------------------|---------|-----------|--------------|-----------|
| 301                | 29RS-8  | JODAVIESS | 76           | 5         |
| CONTRACT NO. 64M39 |         |           |              |           |

# Schedule of Quantities

**30300106 AGGREGATE SUBGRADE IMPROVEMENT 6"**

| SO YD | LOCATION  |
|-------|---|
|       | US 20 / IL 84   |
| 43.5  | As Needed & Directed by the Resident (Aggregate Under Full-Depth Patches) |
| 43.5  | TOTAL   |

**40600290 BITUMINOUS MATERIALS (TACK COAT)**

| POUND | LOCATION  |
|-------|---|
|       | US 20 / IL 84   |
| 221   | As Needed & Directed by the Resident (Hot-Mix Asphalt Replacement Over Patches) |
| 221   | TOTAL   |



**40600535 LEVELING BINDER (HAND METHOD), N70**

| TON | LOCATION                             |
|-----|--------------------------------------|
|     | US 20 / IL 84                        |
| 65  | As Needed & Directed by the Resident |
| 65  | TOTAL                                |

**40600637 LEVELING BINDER (MACHINE METHOD), IL-9.5FG, N70**

| TON   | LOCATION   | (See Edge of Pavement Repair - Dist Std 38.4)<br>*Full Lane Width* |
|-------|--|--|
|       | US 20 / IL 84  |  |
| 190.4 | Sta 976+90 - 982+90                                  | *West Outside Climbing Lane*                                       |
| 2.4   | Sta 989+36 - 989+66                                  | LT - 3' Wide E.O.P. Repair   |
| 476.0 | Sta 1038+70 - 1053+70                                | *RT (EB) Lane*   |
| 11.9  | As Needed & Directed by the Resident (E.O.P. Repair) |  |
| 680.7 | TOTAL  |  |

**40600990 TEMPORARY RAMP**

| SO YD | LOCATION                             | (Taper Rate = 1' : 40', so L = 7.5') |
|-------|--------------------------------------|--------------------------------------|
|       | US 20 / IL 84                        |                                      |
| 46.7  | Sta 934+44                           | Project Begins                       |
| 35.0  | Sta 992+90                           | Bridge                               |
| 35.8  | Sta 994+99                           | Bridge                               |
| 24.2  | Sta 995+73                           | Glen Hollow Rd                       |
| 18.3  | Sta 1065+48                          | Devils Ladder Rd                     |
| 51.7  | Sta 1131+80                          | Eagle Ridge Dr                       |
| 36.7  | Sta 1153+94                          | Project Ends                         |
| 73.3  | As Needed & Directed by the Resident |                                      |
| 321.7 | TOTAL                                |                                      |

**44000166 HOT-MIX ASPHALT SURFACE REMOVAL 4 1/4"**

| SO YD   | LOCATION   | (See Edge of Pavement Repair - Dist Std 38.4)<br>*Full Lane Width* |
|---------|--|--|
|         | US 20 / IL 84  |  |
| 800.0   | Sta 976+90 - 982+90                                  | *West Outside Climbing Lane*                                       |
| 10.0    | Sta 989+36 - 989+66                                  | LT - 3' Wide E.O.P. Repair   |
| 2,000.0 | Sta 1038+70 - 1053+70                                | *RT (EB) Lane*   |
| 50.0    | As Needed & Directed by the Resident (E.O.P. Repair) |  |
| 2,860.0 | TOTAL  |  |

**44000500 COMBINATION CURB AND GUTTER REMOVAL**

| FOOT | LOCATION  |
|------|---|
|      | US 20 / IL 84                                       |
| 25   | Sta 1131+75 LT - Curb and Gutter at Eagle Ridge Dr. |
| 25   | TOTAL   |

**44300200 STRIP REFLECTIVE CRACK CONTROL TREATMENT**

| FOOT  | LOCATION   | (See Edge of Pavement Repair - Dist Std 38.4 and Typical) |
|-------|--|---|
|       | US 20 / IL 84  |   |
| 30    | Sta 989+36 - 989+66                                  | LT - E.O.P. Repair  |
| 3,500 | Sta 1092+50 - 1127+50                                | Centerline of EB Climbing Lanes                           |
| 500   | As Needed & Directed by the Resident (E.O.P. Repair) |   |
| 4,030 | TOTAL  |   |

**48102100 AGGREGATE WEDGE SHOULDER, TYPE B**

| TON   | LOCATION             | (Figured a 1' Wedge next to HMA Shoulder) |
|-------|----------------------|---|
|       | US 20 / IL 84        |   |
| 84.3  | Sta 934+44 - 992+90  | LT  |
| 229.3 | Sta 995+00 - 1153+94 | LT  |
| 84.3  | Sta 934+44 - 992+90  | RT  |
| 229.3 | Sta 995+00 - 1153+94 | RT  |
| 627.2 | TOTAL                |   |

**60603800 COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12**

| FOOT | LOCATION      | (See Highway Standard 606001)           |
|------|---------------|---|
|      | US 20 / IL 84 |   |
| 25   | Sta 1131+75   | LT - Curb and Gutter at Eagle Ridge Dr. |
| 25   | TOTAL         |   |

MODEL: Default  
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|-------------------------------------|------------|-----------|
| USER NAME = ankeyde                 | DESIGNED - | REVISED - |
|                                     | DRAWN -    | REVISED - |
| PLOT SCALE = 40,0000' / in.         | CHECKED -  | REVISED - |
| PLOT DATE = Apr-03-2019 09:18:46 AM | DATE -     | REVISED - |

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

| SCHEDULE OF QUANTITIES |                              |
|------------------------|------------------------------|
| SCALE:                 | SHEET OF SHEETS STA. TO STA. |

|                    |         |           |                           |           |
|--------------------|---------|-----------|---------------------------|-----------|
| F.A.P. RTE.        | SECTION | COUNTY    | TOTAL SHEETS              | SHEET NO. |
| 301                | 29RS-8  | JODAVIESS | 76                        | 12        |
| CONTRACT NO. 64M39 |         |           | ILLINOIS FED. AID PROJECT |           |

△ 4/3/19



# ENTRANCE SCHEDULE

35101400    **\*\*40600290\*\***    **\*\*\*40800050\*\*\***    44000158

| Location      | Type    | Existing Surface Type | Throat Width | Flare Width | *Run* Length | Proposed Surface Area | Aggregate Base Course, Type B | Bituminous Materials (Tack Coat) | Incidental Hot-Mix Asphalt Surfacing (2 1/4") | Hot-Mix Asphalt Surface Removal, 2 1/4" |
|---------------|---------|-----------------------|--------------|-------------|--------------|-----------------------|-------------------------------|----------------------------------|---|---|
|               |         |                       | (FT)         | (FT)        | (FT)         | (SQ YD)               | (TON)                         | (POUND)                          | (TON)   | (SQ YD)                                 |
| US 20 / IL 84 |         |                       |              |             |              |                       |                               |                                  |   |   |
| Sta 935+61    | FE - RT | AGG                   |              | 45          | 10           |                       | 6.4                           |                                  |   |   |
| Sta 938+82    | FE - LT | AGG                   |              | 45          | 10           |                       | 6.4                           |                                  |   |   |
| Sta 952+74    | FE - LT | AGG                   |              | 25          | 10           |                       | 3.6                           |                                  |   |   |
| Sta 957+03    | PE - LT | HMA                   | 29           | 53          | 45           | 165.9                 | 1.3                           | 74.7                             | 25.5  | 165.9                                   |
| Sta 958+46    | PE - RT | HMA                   | 35           | 50          | 25           | 103.4                 | 0.7                           | 46.5                             | 15.9  | 103.4                                   |
| Sta 961+43    | FE - LT | AGG                   |              | 25          | 10           |                       | 3.6                           |                                  |   |   |
| Sta 963+01    | PE - RT | HMA                   | 35           | 59          | 32           | 141.9                 | 0.9                           | 63.9                             | 21.9  | 141.9                                   |
| Sta 967+06    | PE - RT | CONC                  |              |             |              |                       |                               |                                  |   |   |
| Sta 967+86    | PE - LT | HMA                   | 18           | 35          | 70           | 151.0                 | 2.0                           | 68.0                             | 23.3  | 151.0                                   |
| Sta 987+54    | PE - LT | HMA                   | 22           | 38          | 22           | 61.3                  | 0.6                           | 27.6                             | 9.4   | 61.3                                    |
| Sta 989+80    | FE - RT | AGG                   |              | 33          | 10           |                       | 4.7                           |                                  |   |   |
| Sta 1006+95   | FE - RT | AGG                   |              | 31          | 10           |                       | 4.4                           |                                  |   |   |
| Sta 1016+55   | PE - LT | HMA                   | 29           | 40          | 28           | 97.3                  | 0.8                           | 43.8                             | 15.0  | 97.3                                    |
| Sta 1017+83   | PE - LT | HMA                   | 27           | 32          | 21           | 64.7                  | 0.6                           | 29.1                             | 10.0  | 64.7                                    |
| Sta 1019+91   | PE - RT | HMA                   | 29           | 59          | 44           | 139.6                 | 1.3                           | 62.8                             | 21.5  | 139.6                                   |
| Sta 1025+50   | PE - LT | HMA                   | 12           | 40          | 40           | 77.6                  | 1.1                           | 34.9                             | 12.0  | 77.6                                    |
| Sta 1029+82   | PE - RT | HMA                   | 18           | 59          | 39           | 108.0                 | 1.1                           | 48.6                             | 16.6  | 108.0                                   |
| Sta 1039+80   | PE - LT | HMA                   | 15           | 40          | 109          | 76.3                  | 3.1                           | 34.3                             | 11.8  | 76.3                                    |
| Sta 1059+38   | FE - LT | HMA                   | 24           | 51          | 77           | 67.0                  | 2.2                           | 30.2                             | 10.3  | 67.0                                    |
| Sta 1063+96   | FE - LT | HMA                   | 19           | 37          | 60           | 42.3                  | 1.7                           | 19.0                             | 6.5   | 42.3                                    |
| Sta 1070+84   | PE - LT | HMA                   | 19           | 37          | 38           | 98.3                  | 1.1                           | 44.2                             | 15.1  | 98.3                                    |
| Sta 1084+98   | FE - LT | AGG                   |              | 68          | 10           |                       | 9.7                           |                                  |   |   |
| Sta 1093+32   | PE - RT | HMA                   | 12           | 45          | 42           | 82.9                  | 1.2                           | 37.3                             | 12.8  | 82.9                                    |
| Sta 1127+76   | PE - RT | HMA                   | 16           | 50          | 133          | 133.9                 | 3.8                           | 60.3                             | 20.6  | 133.9                                   |
| Sta 1134+13   | PE - LT | HMA                   | 13           | 41          | 16           | 43.6                  | 0.5                           | 19.6                             | 6.7   | 43.6                                    |
| Sta 1152+76   | PE - LT | HMA                   | 50           | 72          | 55           | 253.6                 | 1.6                           | 114.1                            | 39.1  | 253.6                                   |
| Contingency   | FE      | AGG                   |              |             |              |                       | 35.0                          |                                  |   |   |
| <b>Totals</b> |         |                       |              |             |              |                       | <b>99.2</b>                   | <b>858.9</b>                     | <b>293.9</b>                                  | <b>1,908.6</b>                          |

\*Run Length is From EOS to ROW

\*\*Bituminous Materials (Tack Coat) Rate of Application = 0.05 Lb / Sq Ft on Existing HMA, 0.025 Lb / Sq Ft Between Lifts

\*\*Hot-Mix Asphalt Rate of Application = 112 Lbs / Sq Yd / in

MODEL: Default  
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|                                     |            |           |   |                          |                    |                |                  |                 |                           |  |  |
|-------------------------------------|------------|-----------|---|--------------------------|--------------------|----------------|------------------|-----------------|---------------------------|--|--|
| USER NAME = ankeyde                 | DESIGNED - | REVISED - | <b>STATE OF ILLINOIS<br/>DEPARTMENT OF TRANSPORTATION</b> | <b>ENTRANCE SCHEDULE</b> | F.A.P. RTE. 301    | SECTION 29RS-8 | COUNTY JODAVIESS | TOTAL SHEETS 76 | SHEET NO 18               |  |  |
| PLOT SCALE = 100.0000' / in.        | CHECKED -  | REVISED - |   |                          | SCALE:             | SHEET OF       | SHEETS STA.      | TO STA.         | ILLINOIS FED. AID PROJECT |  |  |
| PLOT DATE = Apr-03-2019 10:56:02 AM | DATE -     | REVISED - |   |                          | CONTRACT NO. 64M39 |                |                  |                 |                           |  |  |
| 4/3/19                              |            |           |   |                          |                    |                |                  |                 |                           |  |  |