

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|---------|---------------------------|--------------|-----------|
| 331 | | JACKSON | 23 | 4 |
| STA. _____ | | TO STA. _____ | | |
| FED. ROAD DIST. NO. _____ | | ILLINOIS FED. AID PROJECT | | |

• (12-3)RS-2,(4-5)RS-3

GENERAL NOTES

THE THICKNESS OF BITUMINOUS MIXTURE SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE BITUMINOUS MIXTURE IS PLACED.

FACTORS USED FOR ESTIMATING PLAN QUANTITIES ARE AS FOLLOWS AND SHALL NOT BE USED FOR THE BASIS OF FINAL QUANTITIES EXCEPT FOR QC/QA OF BITUMINOUS MIXTURES:

- ALL HOT-MIX ASPHALT.....2.016 TONS/CU.YD.
- ALL AGGREGATE.....2.05 TONS/CU.YD.
- BITUMINOUS MATERIALS (PRIME COAT)
 - ON PAVEMENT.....0.09 GALS./SQ. YD.
 - ON AGG. SURFACE.....0.32 GALS./SQ. YD.
- AGGREGATE (PRIME COAT).....0.0015 TONS/SQ. YD.

THE QUANTITY OF SHORT TERM PAVEMENT MARKING SHOWN IN THE PLANS WAS BASED ON ONE APPLICATION EACH FOR THE PRIME COAT, SURFACE COURSE AND LEVELING BINDER.

PRIOR TO PLACEMENT OF THE FINAL PAVEMENT MARKINGS, THE RESIDENT ENGINEER SHOULD CONTACT THE BUREAU OF OPERATIONS AND ARRANGE FOR INSPECTION AND APPROVAL OF THE PAVEMENT MARKING LAYOUT.

THE CONTRACTOR SHALL STAMP STATIONING IN THE PROPOSED BITUMINOUS MATS AT 300 FT. INTERVALS ON ALTERNATING SIDES OF THE PAVEMENT AND AS DIRECTED BY THE ENGINEER. THE STATION SYMBOL STAMPS USED SHALL BE FURNISHED BY THE CONTRACTOR. THEY SHALL BE 5 1/2" TALL OF A DESIGN APPROVED BY THE ENGINEER AND SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.

UNLESS OTHERWISE DIRECTED BY THE ENGINEER, HOT-MIX ASPHALT RESURFACING SHALL BE PLACED IN A SEQUENCE THAT WILL MINIMIZE THE TIME THAT A LANE EDGE IS EXPOSED TO TRAFFIC.

NIGHT WORK WILL NOT BE ALLOWED ON IL 13 (WALNUT ST.) FROM OAKLAND AVE. TO UNIVERSITY AVE.

QUANTITIES SHOWN IN THE PLANS FOR PATCHING ARE ESTIMATES. THE ACTUAL AMOUNT OF PATCHING REQUIRED SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.

THE SAWED JOINTS AT THE BEGINNING, END, AT THE OLD IL 13 CONNECTOR AND AT THE RAILROAD OMISSION SHALL BE INCLUDED IN THE COST OF HOT-MIX ASPHALT SURFACE REMOVAL - 2 1/4".

THE FURNISHING AND INSTALLATION OF THE 1 1/4" CONDUIT WITH ITS TRENCHING AND BACKFILL FROM THE LOOP TO THE SPLICE POINT SHALL BE INCLUDED IN THE LOOP INSTALLATION COST UNLESS SHOWN OTHERWISE ON THE PLANS.

CABLE QUANTITIES ARE MEASURED IN PLAN VIEW.

THE LOCATION OF THE DETECTOR LOOPS, AS SHOWN ON THE PLANS, MAY BE ADJUSTED TO FIT FIELD CONDITIONS AS DIRECTED BY THE ENGINEER OF TRAFFIC OPERATIONS.

WHEN SETTING UP TRAFFIC CONTROL, CONTRACTOR SHOULD BE AWARE OF 2 LEFT TURN LANES TURNING FROM UNIVERSITY AVE. ON TO WALNUT ST. AND 2 LEFT TURN LANES TURNING FROM ILLINOIS AVE. ON TO WALNUT ST.

EXISTING DETECTOR LOOPS ON SIDE STREETS SHALL NOT BE DISTURBED. ANY LOOPS CUT OR DAMAGED BY THE CONTRACTOR SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE AND AT NO CHARGE TO THE STATE.

ALL DETECTOR LOOPS SHALL BE INSTALLED PRIOR TO RESURFACING.

THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF TRAFFIC OPERATIONS 72 HOURS PRIOR TO THE SHUT-DOWN OR CUTTING OF EXISTING DETECTOR LOOPS.

COMMITMENTS:

THE CITY OF CARBONDALE WILL PARTICIPATE IN THE MILLING AND SURFACING OF EXISTING PARKING LANE FROM LT. STA. 100+74 TO LT. STA. 127+27. SEE THE SUMMARY OF QUANTITIES SHEET FOR QUANTITY BREAKDOWN.

MIXTURE REQUIREMENTS SHALL BE PREPARED AS DIRECTED BELOW:

FOR IL. 13 (WALNUT ST.) MAINLINE SURFACE COURSE:

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|--|---|
| Mixture Use(s): | Polymerized Hot-Mix Asphalt Surface Course, Mixture E, N105 |
| AC/PG: | SBS PG76-22 |
| RAP % (Max.): | 0 |
| Design Air Voids: | 4.0%, 105 Gyration Design |
| Mixture Composition: (Gradation Mixture) | IL-9.5mm or IL-12.5 mm |
| Friction Aggregate: | E Surface |

FOR IL. 13 (WALNUT ST.) MAINLINE LEVELING BINDER:

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|--|---|
| Mixture Use(s): | Polymerized Hot-Mix Asphalt Surface Course, Mixture C, N105 |
| AC/PG: | SBS PG76-22 |
| RAP % (Max.): | 0 |
| Design Air Voids: | 4.0%, 105 Gyration Design |
| Mixture Composition: (Gradation Mixture) | IL-9.5mm or IL-12.5 mm |
| Friction Aggregate: | None |

FOR ILLINOIS AVE. AND UNIVERSITY AVE.: INCIDENTAL HMA SURFACE

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|--|--|
| Mixture Use(s): | Hot-Mix Asphalt Surface Course, Mixture C, N90 |
| AC/PG: | PG64-22 |
| RAP % (Max.): | 10 |
| Design Air Voids: | 4.0%, 90 Gyration Design |
| Mixture Composition: (Gradation Mixture) | IL-9.5mm or IL-12.5 mm |
| Friction Aggregate: | C Surface |