

ARKANSAS DEPARTMENT OF TRANSPORTATION
CONSTRUCTION PLANS FOR STATE HIGHWAY

| DATE REVISED | DATE FILMED | DATE REVISED | DATE FILMED | FED. RD. DIST. NO. | STATE | FED. AID PROJ. NO. | SHEET NO. | TOTAL SHEETS |
|--------------|-------------|--------------|-------------|--------------------|-------|--------------------|-----------|--------------|
| | | | | 6 | ARK. | | | |
| | | | | JOB NO. | | 050316 | 1 | 7 |

② HWY. 25 - WHITE CO. LINE (SAFETY IMPVTS.) (SEL. SECS.) (S)

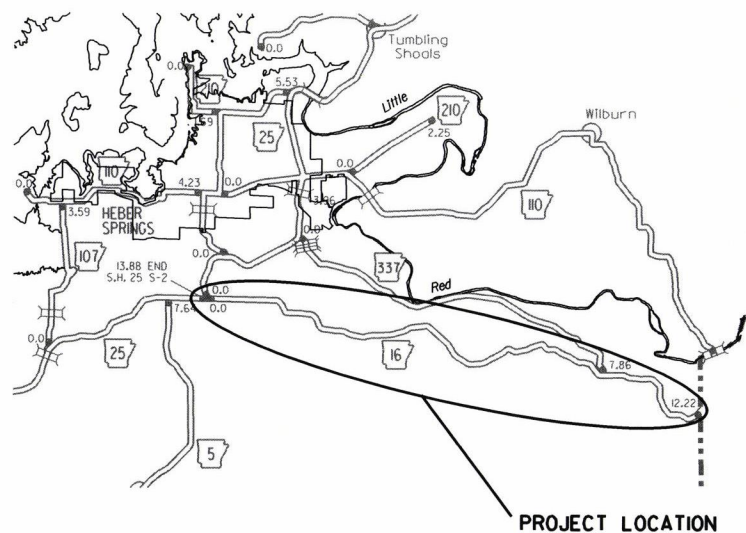
HWY. 25 - WHITE CO. LINE (SAFETY IMPVTS.) (SEL. SECS.) (S)

CLEBURNE COUNTY

ROUTE 16 SECTION 12

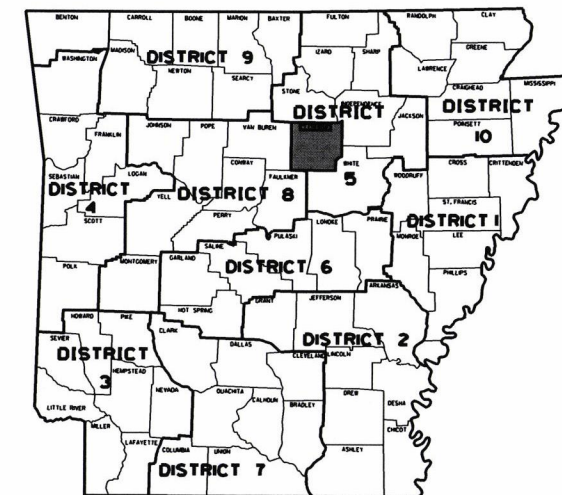
JOB 050316

FED. AID PROJ. HSIP-1273(2)



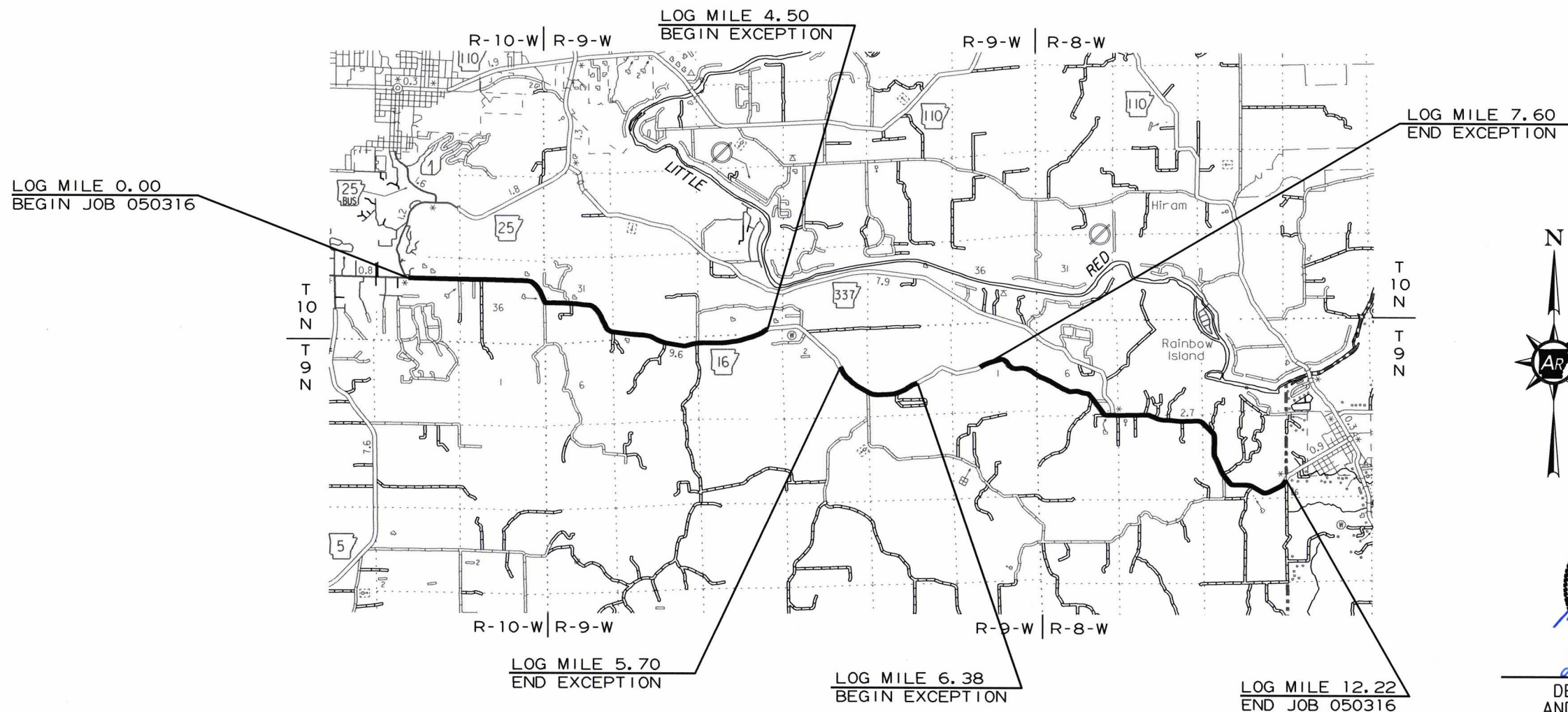
PROJECT LOCATION

VICINITY MAP



ARK. HWY. DIST. NO. 5

NOT TO SCALE



APPROVED



DEPUTY DIRECTOR
AND CHIEF ENGINEER

| | BEGIN PROJECT | MID-POINT OF PROJECT | END PROJECT |
|-----------|---------------|----------------------|--------------|
| LATITUDE | N 35°27' 32" | N 35°26' 17" | N 35°25' 11" |
| LONGITUDE | W 92°02' 05" | W 91°56' 27" | W 91°51' 03" |

| LENGTH OF PROJECT CALCULATED ALONG C.L. | |
|-----------------------------------------|-------------------------------|
| GROSS LENGTH OF PROJECT | 64521.60 FEET OR 12.220 MILES |
| NET . . . ROADWAY | 51744.00 . . . 9.800 MILES |
| NET . . . BRIDGES | 0.00 . . . 0.000 MILES |
| NET . . . PROJECT | 51744.00 . . . 9.800 MILES |

12/27/2017

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| | | | | JOB NO. 050316 | | | 2 | 7 |

② INDEX OF SHEETS & STANDARD DRAWINGS



INDEX OF SHEETS

| SHEET NO. | TITLE |
|-----------|--------------------------------------------|
| 1 | TITLE SHEET |
| 2 | INDEX OF SHEETS AND STANDARD DRAWINGS |
| 3 | GOVERNING SPECIFICATIONS AND GENERAL NOTES |
| 4 | TYPICAL SECTIONS OF IMPROVEMENT |
| 5 | SPECIAL DETAILS |
| 6 | QUANTITIES |
| 7 | SUMMARY OF QUANTITIES AND REVISIONS |

ROADWAY STANDARD DRAWINGS

| DRWG. NO. | TITLE | DATE |
|-----------|----------------------------------------------------|---------|
| PM-1 | PAVEMENT MARKING DETAILS | 6-01-17 |
| TC-1 | STANDARD TRAFFIC CONTROLS FOR HIGHWAY CONSTRUCTION | 4-13-17 |
| TC-2 | STANDARD TRAFFIC CONTROLS FOR HIGHWAY CONSTRUCTION | 9-02-15 |
| TC-3 | STANDARD TRAFFIC CONTROLS FOR HIGHWAY CONSTRUCTION | 9-02-15 |

| | | | | | | | | |
|--------------|-------------|--------------|-------------|--------------------|--------|--------------------|-----------|--------------|
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| | | | | JOB NO. | 050316 | | 3 | 7 |

② GOVERNING SPECIFICATIONS AND GENERAL NOTES



GOVERNING SPECIFICATIONS

ARKANSAS STATE HIGHWAY COMMISSION STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, EDITION OF 2014, AND THE FOLLOWING SPECIAL PROVISIONS AND SUPPLEMENTAL SPECIFICATIONS:

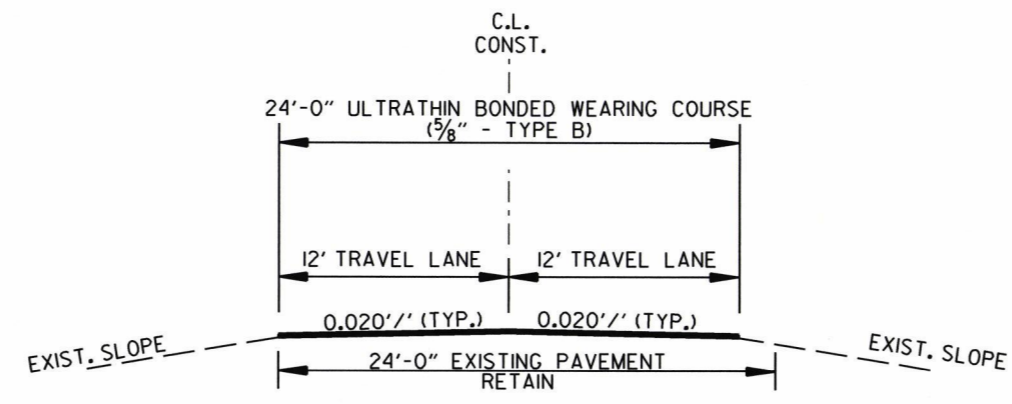
| NUMBER | TITLE |
|------------|-------------------------------------------------------------------------------------|
| ERRATA | ERRATA FOR THE BOOK OF STANDARD SPECIFICATIONS |
| FHWA-1273 | REQUIRED CONTRACT PROVISIONS FEDERAL-AID CONSTRUCTION CONTRACTS |
| FHWA-1273 | SUPPLEMENT - EQUAL EMPLOYMENT OPPORTUNITY - NOTICE TO CONTRACTORS |
| FHWA-1273 | SUPPLEMENT - SPECIFIC EQUAL EMPLOYMENT OPPORTUNITY RESPONSIBILITIES (23 U.S.C. 140) |
| FHWA-1273 | SUPPLEMENT - EQUAL EMPLOYMENT OPPORTUNITY - GOALS AND TIMETABLES |
| FHWA-1273 | SUPPLEMENT - EQUAL EMPLOYMENT OPPORTUNITY - FEDERAL STANDARDS |
| FHWA-1273 | SUPPLEMENT - POSTERS AND NOTICES REQUIRED FOR FEDERAL-AID PROJECTS |
| FHWA-1273 | SUPPLEMENT - WAGE RATE DETERMINATION |
| 100-3 | CONTRACTOR'S LICENSE |
| 100-4 | DEPARTMENT NAME CHANGE |
| 102-2 | ISSUANCE OF PROPOSALS |
| 108-1 | LIQUIDATED DAMAGES |
| 108-2 | WORK ALLOWED PRIOR TO ISSUANCE OF WORK ORDER |
| 604-1 | RETROREFLECTIVE SHEETING FOR TRAFFIC CONTROL DEVICES IN CONSTRUCTION ZONES |
| JOB 050316 | BIDDING REQUIREMENTS AND CONDITIONS |
| JOB 050316 | CARGO PREFERENCE ACT REQUIREMENTS |
| JOB 050316 | COORDINATION OF WORK |
| JOB 050316 | DOCUMENTATION OF PAYMENTS MADE TO DISADVANTAGED BUSINESS ENTERPRISES |
| JOB 050316 | FLEXIBLE BEGINNING OF WORK |
| JOB 050316 | MANDATORY ELECTRONIC CONTRACT |
| JOB 050316 | MANDATORY ELECTRONIC DOCUMENT SUBMITTAL |
| JOB 050316 | OFF-SITE RESTRAINING CONDITIONS FOR INDIANA AND NORTHERN LONG-EARED BATS |
| JOB 050316 | ULTRATHIN BONDED WEARING COURSE |
| JOB 050316 | UTILITY ADJUSTMENTS |

GENERAL NOTES

1. THE CONTRACTOR SHALL PROVIDE 2-WAY RADIO COMMUNICATIONS FOR FLAG PERSONS.
2. STRINGLINE WILL BE USED TO MAINTAIN A UNIFORM HORIZONTAL ALIGNMENT.
3. ALL PIPE LINES, POWER, TELEPHONE, AND TELEGRAPH LINES TO BE MOVED OR LOWERED BY THE PERSPECTIVE OWNER AS PER AGREEMENT WITH SUCH OWNERS.
4. ANY EQUIPMENT OR APPURTENANCE THAT INTERFERES WITH THE PROPOSED CONSTRUCTION AND WHICH MAY BE THE PROPERTY OF UTILITY SERVICE ORGANIZATIONS SHALL BE MOVED BY THE OWNERS UNLESS OTHERWISE PROVIDED.
5. ALL LAND MONUMENTS LOCATED WITHIN THE CONSTRUCTION AREA SHALL BE PROTECTED IN ACCORDANCE WITH SECTION 107.12 OF THE STANDARD SPECIFICATIONS.
6. THE CONTRACTOR SHALL FURNISH AND MAINTAIN STD. W8-1 "BUMP" SIGNS (30" X 30") WITH BLACK LEGEND ON ORANGE BACKGROUND AT ALL TRANSVERSE JOINTS EXPOSED TO TRAFFIC.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING U.S. MAILBOXES WITHIN THE PROJECT LIMITS IN SUCH A MANNER THAT THE PUBLIC MAY RECEIVE CONTINUED MAIL SERVICE. PAYMENT WILL BE CONSIDERED INCLUDED IN THE PRICE BID FOR THE VARIOUS BID ITEMS.
8. THE CONTRACTOR SHALL FURNISH AND MAINTAIN STD. W8-11 "UNEVEN LANES" SIGNS (48" X 48") WITH BLACK LEGEND ON ORANGE BACKGROUND AT ALL LONGITUDINAL JOINTS DURING MILLING AND PAVING OPERATIONS.
9. BRIDGE ANALYSIS SHALL BE REQUIRED PER SECTION 105.14 OF THE STANDARD SPECIFICATIONS.
10. COLD MILLING OPERATIONS SHALL BE FOLLOWED IMMEDIATELY BY PAVING OPERATIONS. TRAFFIC WILL NOT BE ALLOWED TO RUN ON THE COLD MILLED SURFACE WITH THE EXCEPTION OF TURNING MOVEMENTS INTO DRIVES AND STREETS.
11. ASPHALT DEBRIS RESULTING FROM THE PREPARATORY WORK SHALL BE REMOVED FROM THE PROJECT. THIS MATERIAL SHALL NOT BE BURIED WITHIN THE RIGHT OF WAY.

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| | | | | 6 | ARK. | | | |
| | | | | | | JOB NO. 050316 | 4 | 7 |

② TYPICAL SECTIONS OF IMPROVEMENT



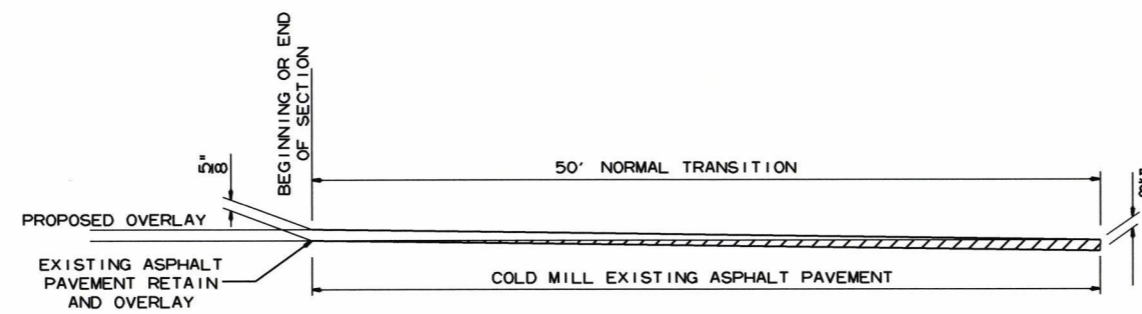
2 LANE OPEN SHOULDER U.T.B.W.C. OVERLAY
 LOG MILE 0.00 TO LOG MILE 4.50
 LOG MILE 5.70 TO LOG MILE 6.38
 LOG MILE 7.60 TO LOG MILE 12.22

- NOTES:
1. LONGITUDINAL JOINTS ARE TO BE PLACED PER TYPICAL SECTION IN ACCORDANCE WITH SECTION 410.07 UNLESS OTHERWISE APPROVED BY THE ENGINEER.
 2. ALL CROSS SLOPES ARE TO MATCH EXISTING CROSS SLOPES UNLESS OTHERWISE APPROVED BY THE ENGINEER.

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| | | | | | | JOB NO. 050316 | 5 | 7 |

② SPECIAL DETAILS



DETAIL FOR TRANSITIONS

1/31/2018

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SPECIAL DETAILS

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| | | | | | | JOB NO. 050316 | 6 | 7 |

ADVANCE WARNING SIGNS AND DEVICES

| SIGN NUMBER | DESCRIPTION | SIGN SIZE | END OF JOB | MAXIMUM NUMBER REQUIRED | TOTAL SIGNS REQUIRED | |
|----------------|--------------------|-----------|-----------------|-------------------------|----------------------|--------------|
| | | | LIN. FT. - EACH | | NO. | SQ. FT. |
| W20-1 | ROAD WORK 1500 FT. | 48"x48" | 2 | 2 | 2 | 32.0 |
| W20-1 | ROAD WORK 1000 FT. | 48"x48" | 2 | 2 | 2 | 32.0 |
| W20-1 | ROAD WORK 500 FT. | 48"x48" | 2 | 2 | 2 | 32.0 |
| W20-1 | ROAD WORK AHEAD | 48"x48" | 15 | 15 | 15 | 240.0 |
| G20-2 | END ROAD WORK | 48"x24" | 15 | 15 | 15 | 120.0 |
| R4-1 | DO NOT PASS | 24"x30" | 4 | 4 | 4 | 20.0 |
| TOTALS: | | | | | | 476.0 |

NOTE: THIS IS A LOW TRAFFIC VOLUME ROAD AS DEFINED IN SECTION 604.03, STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION.

② QUANTITIES



CONSTRUCTION PAVEMENT MARKINGS AND PERMANENT PAVEMENT MARKINGS

| DESCRIPTION | END OF JOB | RAISED PAVEMENT MARKERS | REFLECTORIZED PAVEMENT MARKING | | YIELD LINE | |
|--------------------------------------------------------|------------|-------------------------|--------------------------------|--------------|------------|----------|
| | | TYPE II (YEL/YEL) | 6" | | | LIN. FT. |
| | | | WHITE | YELLOW | | |
| LIN. FT. | EACH | LIN. FT. | | LIN. FT. | | |
| RAISED PAVEMENT MARKERS TYPE II (YEL/YEL) | 1290 | 1290 | | | | |
| REFLECTORIZED PAVEMENT MARKING WHITE (6") | 103227 | | 103227 | | | |
| REFLECTORIZED PAVEMENT MARKING YELLOW (6") | 93970 | | | 93970 | | |
| REFLECTORIZED PAVEMENT MARKING YELLOW (SKIP LINE) (6") | 2309 | | | 2309 | | |
| REFLECTORIZED PAVEMENT MARKING (YIELD LINE) | 12 | | | | 12 | |
| TOTALS: | | 1290 | 103227 | 96279 | 12 | |

NOTE: THIS IS A LOW TRAFFIC VOLUME ROAD AS DEFINED IN SECTION 604.03, STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION.

NOTE: THE 6" YELLOW STRIPING QUANTITY HAS BEEN ESTIMATED BASED ON A DOUBLE YELLOW CENTERLINE STRIPE FOR THE ENTIRE PROJECT. THE PROJECT MUST BE MARKED FOR PASSING/NO PASSING ZONES PRIOR TO THE PLACEMENT OF ANY FINAL STRIPING. CONTACT THE MAINTENANCE DIVISION AFTER THE FINAL LIFT OF SURFACE COURSE HAS BEEN PLACED TO SCHEDULE THE ZONING OF THE PROJECT.

COLD MILLING ASPHALT PAVEMENT

| LOG MILE | LOG MILE | LOCATION | AVG. WIDTH | COLD MILLING ASPHALT PAVEMENT |
|---------------|----------|--------------------|------------|-------------------------------|
| | | | FEET | SQ. YD. |
| 0.00 | 0.01 | HWY. 16 MAIN LANES | 24.00 | 133.33 |
| 4.49 | 4.50 | HWY. 16 MAIN LANES | 24.00 | 133.33 |
| 5.70 | 5.71 | HWY. 16 MAIN LANES | 24.00 | 133.33 |
| 6.37 | 6.38 | HWY. 16 MAIN LANES | 24.00 | 133.33 |
| 7.60 | 7.61 | HWY. 16 MAIN LANES | 24.00 | 133.33 |
| 12.21 | 12.22 | HWY. 16 MAIN LANES | 24.00 | 133.33 |
| TOTAL: | | | | 799.98 |

NOTE: AVERAGE MILLING DEPTH 5/16".

ULTRATHIN BONDED WEARING COURSE

| LOG MILE | LOG MILE | LOCATION | TOTAL LENGTH | AVG. WIDTH | ULTRATHIN BONDED WEARING COURSE (5/8" - TYPE B) |
|---------------|----------|------------|--------------|------------|-------------------------------------------------|
| | | | FEET | FEET | SQ. YD. |
| 0.00 | 4.50 | MAIN LANES | 23760.00 | 24.00 | 63360.00 |
| 5.70 | 6.38 | MAIN LANES | 3590.40 | 24.00 | 9574.40 |
| 7.60 | 12.22 | MAIN LANES | 24393.60 | 24.00 | 65049.60 |
| TOTAL: | | | | | 137984.00 |