

**ITEM 614. MAINTAINING TRAFFIC**

A MINIMUM OF ONE LANE OF TRAFFIC IN EACH DIRECTION SHALL BE MAINTAINED AT ALL TIMES ON NORTH RIDGE ROAD (U.S. 20) BY USE OF THE EXISTING PAVEMENT, THE COMPLETED PAVEMENT, ITEM 615 PAVEMENT FOR MAINTAINING TRAFFIC, ITEM 615 ROADS FOR MAINTAINING TRAFFIC, AND TEMPORARY SURFACES USING ITEMS 410 AND 614.

A MINIMUM OF ONE LANE OF TRAFFIC IN EACH DIRECTION SHALL BE MAINTAINED AT ALL TIMES ON HAINES ROAD AND BURNS ROAD, EXCEPT FOR A PERIOD NOT TO EXCEED 14 CONSECUTIVE CALENDAR DAYS, WHEN THROUGH TRAFFIC MAY BE DETOURED AS SHOWN ON SHEETS 25-26. A DISINCENTIVE SHALL BE ASSESSED IN THE AMOUNT OF \$800 PER DAY FOR EACH CALENDAR DAY THE ROADWAY REMAINS CLOSED TO TRAFFIC BEYOND THE SPECIFIED LIMIT.

LENGTH AND DURATION OF LANE CLOSURES AND RESTRICTIONS SHALL BE AT THE APPROVAL OF THE ENGINEER. IT IS THE INTENT TO MINIMIZE THE IMPACT TO THE TRAVELING PUBLIC. LANE CLOSURES OR RESTRICTIONS OVER SEGMENTS OF THE PROJECT IN WHICH NO WORK IS ANTICIPATED WITHIN A REASONABLE TIME FRAME, AS DETERMINED BY THE ENGINEER, SHALL NOT BE PERMITTED. THE LEVEL OF UTILIZATION OF MAINTENANCE OF TRAFFIC DEVICES SHALL BE COMMENSURATE WITH THE WORK IN PROGRESS.

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN INCLUDED IN THE GENERAL SUMMARY FOR USE AS DETERMINED BY THE ENGINEER FOR THE MAINTENANCE OF TRAFFIC.

ITEM 608, TEMPORARY ASPHALT CONCRETE WALK, AS PER PLAN **10,000 SQ. FT.**

ITEM 615, ROADS FOR MAINTAINING TRAFFIC, TYPE A LUMP

ITEM 616, WATER **50 M. GAL.**

ALL WORK AND TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH C&MS 614 AND OTHER APPLICABLE PORTIONS OF THE SPECIFICATIONS, AS WELL AS THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES. PAYMENT FOR ALL LABOR, EQUIPMENT AND MATERIALS SHALL BE INCLUDED IN THE LUMP SUM CONTRACT PRICE FOR ITEM 614, MAINTAINING TRAFFIC, UNLESS SEPARATELY ITEMIZED IN THE PLAN.

**NOTICE OF CLOSURE SIGN (SIDE ROADS)**

NOTICE OF CLOSURE SIGNS (W20-H13) SHALL BE ERECTED BY THE CONTRACTOR PRIOR TO THE SCHEDULED SIDE ROAD CLOSURE IN ACCORDANCE WITH THE NOTICE OF CLOSURE TIME TABLE BELOW. (AT THE APPROVAL OF THE ENGINEER, PORTABLE CHANGEABLE MESSAGE SIGNS MAY BE USED IN LIEU OF THE STANDARD FLATSHEET SIGN FOR CLOSURE DURATIONS OF LESS THAN 1 WEEK.)

THE SIGNS SHALL BE ERECTED ON THE RIGHT-HAND SIDE OF THE ROAD FACING TRAFFIC. THEY SHALL BE PLACED SO AS NOT TO INTERFERE WITH THE VISIBILITY OF ANY OTHER TRAFFIC CONTROL SIGNS. ON ROADWAYS, THEY SHOULD BE ERECTED AT OR NEAR THE POINT OF CLOSURE. THE SIGNS MAY BE ERECTED ANYWHERE ON RAMPS AS LONG AS THEY ARE VISIBLE TO THE MOTORISTS USING THE RAMP. ON ENTRANCE RAMPS, THE SIGN SHALL BE ERECTED WELL IN ADVANCE OF THE MERGE AREA TO AVOID DISTRACTING MOTORISTS.

| NOTICE OF CLOSURE SIGN TIME TABLE |                        |                                   |
|-----------------------------------|------------------------|-----------------------------------|
| ITEM                              | DURATION OF CLOSURE    | SIGN DISPLAYED TO PUBLIC          |
| RAMP & ROAD CLOSURES              | >= 2 WEEKS             | 14 CALENDAR DAYS PRIOR TO CLOSURE |
|                                   | > 12 HOURS & < 2 WEEKS | 7 CALENDAR DAYS PRIOR TO CLOSURE  |
|                                   | < 12 HOURS             | 2 BUSINESS DAYS PRIOR TO CLOSURE  |

THE SIGN SHALL DISPLAY THE DATE OF THE CLOSURE IN MMM-DD FORMAT AND THE NUMBER OF DAYS OF THE CLOSURE. THE LAST LINE OF THE W20-H13 SIGN LISTS A PHONE NUMBER WHICH A MOTORIST MAY CALL FOR ADDITIONAL INFORMATION. THIS IS TO BE A SPECIFIC OFFICE WITHIN THE DISTRICT RATHER THAN THE GENERAL SWITCHBOARD NUMBER.

**PLACEMENT OF ASPHALT CONCRETE**

TWO-WAY TRAFFIC SHALL BE MAINTAINED AT ALL TIMES EXCEPT THAT ONE-WAY TRAFFIC WILL BE PERMITTED FOR MINIMUM PERIODS OF TIME CONSISTENT WITH THE REQUIREMENTS OF THE SPECIFICATIONS FOR PROTECTION OF COMPLETED ASPHALT CONCRETE COURSES.

**TRENCH FOR WIDENING**

TRENCH EXCAVATION FOR BASE WIDENING SHALL BE ONLY ON ONE SIDE OF THE PAVEMENT AT A TIME. THE OPEN TRENCH SHALL BE ADEQUATELY MAINTAINED AND PROTECTED WITH DRUMS OR BARRICADES AT ALL TIMES. PLACEMENT OF PROPOSED SUBBASE AND BASE MATERIAL SHALL FOLLOW AS CLOSELY AS POSSIBLE BEHIND EXCAVATION OPERATIONS. THE LENGTH OF WIDENING TRENCH WHICH IS OPEN AT ANY ONE TIME SHALL BE HELD TO A MINIMUM AND SHALL AT ALL TIMES BE SUBJECT TO APPROVAL OF THE ENGINEER.

**OVERNIGHT TRENCH CLOSING**

THE BASE WIDENING SHALL BE COMPLETED TO A DEPTH OF NO MORE THAN 5 INCHES BELOW THE EXISTING PAVEMENT BY THE END OF EACH WORK DAY. NO TRENCH SHALL BE LEFT OPEN OVERNIGHT EXCEPT FOR A SHORT LENGTH (25 FEET OR LESS) OF A WORK SECTION AT THE END OF THE TRENCH. IN CASE WORK MUST BE SUSPENDED BECAUSE OF INCLEMENT WEATHER OR OTHER REASONS, THE TRENCH FOR THE UNCOMPLETED BASE WIDENING SHALL BE BACKFILLED AT THE DIRECTION OF THE ENGINEER. THESE REQUIREMENTS APPLY TO ALL PERMANENT AND TEMPORARY PAVEMENT NOT PROTECTED BY BARRIER.

**EARTHWORK FOR MAINTAINING TRAFFIC**

THE FOLLOWING QUANTITIES HAVE BEEN INCLUDED IN THE PLAN FOR INFORMATION ONLY:

EXCAVATION FOR MAINTAINING TRAFFIC **7,100 CU. YD.**  
EMBANKMENT FOR MAINTAINING TRAFFIC **240 CU. YD.**

WHEN UNDERCUTS ARE NECESSARY FOR MAINLINE PAVEMENT OR EMBANKMENT CONSTRUCTION, EVALUATE THE NEED FOR TEMPORARY ROAD UNDERCUTS IF WITHIN A CLOSE PROXIMITY TO THE MAINLINE UNDERCUTS. A GEOTECHNICAL EVALUATION SHOULD BE CONSIDERED TO DETERMINE IF THE EXISTING SOIL CONDITIONS ARE ADEQUATE TO SUPPORT THE TEMPORARY ROAD. ADDITIONAL SOIL BORINGS ALONG THE TEMPORARY ROAD ARE NOT NORMALLY REQUIRED. ANY UNDERCUTS SHALL BE FILLED THE SAME DAY AS EXCAVATION.

**WORK ZONE MARKINGS (WINTER APPLICATION)**

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY FOR USE AT LOCATIONS IDENTIFIED BY THE ENGINEER FOR WORK ZONE PAVEMENT MARKINGS PER THE REQUIREMENTS OF C&MS 614.11. MARKINGS SHALL BE APPLIED ON ROADWAY AFFECTED BY PHASE 1 AND PHASE 2 CONSTRUCTION:

WORK ZONE LANE LINE, CLASS I, 4", 642 PAINT **3.61 MILE**  
WORK ZONE CENTER LINE, CLASS I, 642 PAINT **2.71 MILE**  
WORK ZONE EDGE LINE, CLASS I, 6", 642 PAINT **1.33 MILE**  
WORK ZONE CHANNELIZING LINE, CLASS I, 8", 642 PAINT **1.506 FT**  
WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT **648 FT**  
WORK ZONE STOP LINE, CLASS I, 642 PAINT **566 FT**  
WORK ZONE CROSSWALK LINE, CLASS I, 12", 642 PAINT **1,582 FT**  
WORK ZONE ARROW, CLASS I, 642 PAINT **23 EACH**

**WORK ZONE MARKINGS (PRE-FINAL APPLICATION)**

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY FOR USE AT LOCATIONS IDENTIFIED BY THE ENGINEER FOR WORK ZONE PAVEMENT MARKINGS PER THE REQUIREMENTS OF C&MS 614.11. MARKINGS SHALL BE APPLIED AFTER PAVEMENT PLANING AND AFTER PLACEMENT OF THE SURFACE COURSE PRIOR TO THE FINAL PAVEMENT MARKINGS BEING APPLIED:

WORK ZONE LANE LINE, CLASS III, 642 PAINT **12.38 MILE**  
WORK ZONE CENTER LINE, CLASS III, 642 PAINT **8.66 MILE**  
WORK ZONE EDGE LINE, CLASS III, 6", 642 PAINT **4.26 MILE**  
WORK ZONE CHANNELIZING LINE, CLASS III, 8", 642 PAINT **4,032 FT**  
WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS III, 642 PAINT **1,676 FT**  
WORK ZONE STOP LINE, CLASS III, 642 PAINT **1,338 FT**  
WORK ZONE CROSSWALK LINE, CLASS III, 12", 642 PAINT **3,390 FT**  
WORK ZONE ARROW, CLASS III, 642 PAINT **62 EACH**

**ITEM 614. WORK ZONE IMPACT ATTENUATOR FOR 24" WIDE HAZARDS (UNIDIRECTIONAL OR BIDIRECTIONAL)**

THIS ITEM SHALL CONSIST OF FURNISHING AND INSTALLING A NONGATING IMPACT ATTENUATOR. FURNISH AN IMPACT ATTENUATOR FROM THE OFFICE OF ROADWAY ENGINEERING'S APPROVED LIST FOR WORK ZONE IMPACT ATTENUATORS, FROM THE ROADWAY STANDARDS APPROVED PRODUCTS WEB PAGE.

INSTALLATION SHALL BE AT THE LOCATIONS SPECIFIED IN THE PLANS IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS.

THE CONTRACTOR SHALL REPAIR OR REPLACE A DAMAGED UNIT WITHIN 24 HOURS OF A DAMAGING IMPACT.

WHEN BIDIRECTIONAL DESIGNS ARE SPECIFIED, THE CONTRACTOR SHALL SUPPLY APPROPRIATE TRANSITIONS.

WHEN GATING IMPACT ATTENUATORS ARE DESIRED, THE CONTRACTOR SHALL SUBMIT DOCUMENTATION TO THE ENGINEER FOR ACCEPTANCE.

THE COST FOR THE ADDITIONAL BARRIER REQUIRED FOR A GATING IMPACT ATTENUATOR SHALL BE INCLUDED IN THE COST OF THE GATING IMPACT ATTENUATOR.

PAYMENT FOR THE ABOVE WORK SHALL BE MADE AT THE UNIT PRICE BID AND SHALL INCLUDE ALL LABOR, TOOLS, EQUIPMENT AND MATERIALS NECESSARY TO CONSTRUCT AND MAINTAIN A COMPLETE AND FUNCTIONAL IMPACT ATTENUATOR SYSTEM, INCLUDING ALL RELATED BACKUPS, TRANSITIONS, LEVELING PADS, HARDWARE AND GRADING, NOT SEPARATELY SPECIFIED, AS REQUIRED BY THE MANUFACTURER.

**ITEM SPECIAL. WORK ZONE TRAFFIC SIGNAL**

THE ADDITION OF TEMPORARY TRAFFIC SIGNALS AND EQUIPMENT AND MODIFICATIONS TO EXISTING TRAFFIC SIGNALS AND EQUIPMENT SHALL BE PAID FOR UNDER THE UNIT PRICE BID FOR ITEM 614 WORK ZONE TRAFFIC SIGNAL AT THE FOLLOWING INTERSECTIONS:

PHASE 1: GREEN ROAD, BURNS ROAD, DERUBERTIS DRIVE, SERVICE ROADS, HUBBARD ROAD

PHASE 1A: HUBBARD ROAD  
PHASE 1B: HUBBARD ROAD

PHASE 2: GREEN ROAD, BURNS ROAD, DERUBERTIS DRIVE, SERVICE ROADS, HUBBARD ROAD

PHASE 2A: HUBBARD ROAD  
PHASE 2B: HUBBARD ROAD

PHASE 3: TOWNLINE ROAD, McMACKIN ROAD, GREEN ROAD

PHASE 4: TOWNLINE ROAD, McMACKIN ROAD, GREEN ROAD

THE FOLLOWING QUANTITY HAS BEEN CARRIED TO THE GENERAL SUMMARY FOR THIS WORK:

ITEM 614, WORK ZONE TRAFFIC SIGNAL **20 EACH**

**DUST CONTROL**

THE CONTRACTOR SHALL FURNISH AND APPLY WATER FOR DUST CONTROL AS DIRECTED BY THE ENGINEER. THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN INCLUDED FOR DUST CONTROL PURPOSES:

ITEM 616, WATER **500 M. GAL.**

**ITEM 614. PORTABLE CHANGEABLE MESSAGE SIGNS, AS PER PLAN**

THE CONTRACTOR SHALL FURNISH, INSTALL, MAINTAIN AND REMOVE, WHEN NO LONGER NEEDED, A CHANGEABLE MESSAGE SIGN. THE SIGN SHALL BE OF A TYPE SHOWN ON A LIST OF APPROVED PCMS UNITS AVAILABLE ON THE OFFICE OF MATERIALS MANAGEMENT WEB PAGE. THE LIST CONTAINS CLASS A AND B UNITS WITH MINIMUM LEGIBILITY DISTANCES OF 800 FEET AND 650 FEET, RESPECTIVELY.

EACH SIGN SHALL BE TRAILER-MOUNTED AND EQUIPPED WITH A FUNCTIONAL DIMMING MECHANISM, TO DIM THE SIGN DURING DARKNESS, AND A TAMPER AND VANDAL PROOF ENCLOSURE. EACH SIGN SHALL BE PROVIDED WITH APPROPRIATE TRAINING AND OPERATION INSTRUCTIONS TO ENABLE ON-SITE PERSONNEL TO OPERATE AND TROUBLESHOOT THE UNIT. THE SIGN SHALL ALSO BE CAPABLE OF BEING POWERED BY AN ELECTRICAL SERVICE DROP FROM A LOCAL UTILITY COMPANY. THE PCMS SHALL BE DELINEATED IN ACCORDANCE WITH C&MS 614.03.

THE PROBABLE PCMS LOCATIONS AND WORK LIMITS FOR THOSE LOCATIONS ARE SHOWN ON SHEET(S) 23 OF THE PLAN. PLACEMENT, OPERATION, MAINTENANCE AND ALL ACTIVATION OF THE SIGNS BY THE CONTRACTOR SHALL BE AS DIRECTED BY THE ENGINEER. THE PCMS SHALL BE LOCATED IN A HIGHLY VISIBLE POSITION YET PROTECTED FROM TRAFFIC. THE CONTRACTOR SHALL, AT THE DIRECTION OF THE ENGINEER, RELOCATE THE PCMS TO IMPROVE VISIBILITY OR ACCOMMODATE CHANGED CONDITIONS. WHEN NOT IN USE, THE PCMS SHALL BE TURNED OFF. ADDITIONALLY, WHEN NOT IN USE FOR EXTENDED PERIODS OF TIME, THE PCMS SHALL BE TURNED AWAY FROM ALL TRAFFIC.

THE ENGINEER SHALL BE PROVIDED ACCESS TO EACH SIGN UNIT AND SHALL BE PROVIDED WITH APPROPRIATE TRAINING AND OPERATION INSTRUCTIONS TO ENABLE ODOT PERSONNEL TO OPERATE AND TROUBLESHOOT THE UNIT, AND TO REVISE SIGN MESSAGES, IF NECESSARY.

(THE CONTRACTOR SHALL IMPLEMENT A SYSTEM WHEREBY CHANGEABLE MESSAGES WILL BE IMPLEMENTED WITHIN 6 HOURS FOLLOWING TELEPHONE NOTIFICATION FROM THE PROJECT ENGINEER TO A DESIGNATED PHONE.)

ALL MESSAGES TO BE DISPLAYED ON THE SIGN WILL BE PROVIDED BY THE ENGINEER. A LIST OF ALL REQUIRED PRE-PROGRAMMED MESSAGES WILL BE GIVEN TO THE CONTRACTOR AT THE PROJECT PRECONSTRUCTION CONFERENCE. THE SIGN SHALL HAVE THE CAPABILITY TO STORE UP TO 99 MESSAGES. MESSAGE MEMORY OR PRE-PROGRAMMED DISPLAYS SHALL NOT BE LOST AS A RESULT OF POWER FAILURES TO THE ON-BOARD COMPUTER. THE SIGN LEGEND SHALL BE CAPABLE OF BEING CHANGED IN THE FIELD. THREE-LINE PRESENTATION FORMATS WITH UP TO SIX MESSAGE PHASES SHALL BE SUPPORTED. PCMS FORMAT SHALL PERMIT THE COMPLETE MESSAGE FOR EACH PHASE TO BE READ AT LEAST TWICE.

THE PCMS SHALL CONTAIN AN ACCURATE CLOCK AND PROGRAMMING LOGIC WHICH WILL ALLOW THE SIGN TO BE ACTIVATED, DEACTIVATED OR MESSAGES CHANGED AUTOMATICALLY AT DIFFERENT TIMES OF THE DAY FOR DIFFERENT DAYS OF THE WEEK.

(THE PCMS SHALL CONTAIN A CELLULAR TELEPHONE DATA LINK WHICH WILL (IN ACTIVE CELLULAR PHONE AREAS) ALLOW REMOTE SIGN ACTIVATION, MESSAGE CHANGES, MESSAGE ADDITIONS AND REVISIONS TO TIME OF DAY PROGRAMS. THE SYSTEM SHALL ALSO PERMIT VERIFICATION OF CURRENT AND PROGRAMMED MESSAGES. ONE REMOTE DATA INPUT DEVICE (LAPTOP COMPUTER PLUS MODEM OR EQUIVALENT) SHALL BE FURNISHED FOR USE BY THE DISTRICT TRAFFIC ENGINEER, OR EQUIVALENT, AND SHALL BE INSURED AGAINST THEFT.) THE PCMS UNIT SHALL BE MAINTAINED IN GOOD WORKING ORDER BY THE CONTRACTOR IN ACCORDANCE WITH THE PROVISIONS OF C&MS 614.07. THE CONTRACTOR SHALL, PRIOR TO ACTIVATING THE UNIT, MAKE ARRANGEMENTS, WITH AN AUTHORIZED SERVICE AGENT FOR THE PCMS, TO ASSURE PROMPT SERVICE IN THE EVENT OF FAILURE. ANY FAILURE SHALL NOT RESULT IN THE SIGN BEING OUT OF SERVICE FOR MORE THAN 12 HOURS, INCLUDING WEEKENDS. FAILURE TO COMPLY MAY RESULT IN AN ORDER TO STOP WORK AND OPEN ALL TRAFFIC LANES AND/OR IN THE DEPARTMENT TAKING APPROPRIATE ACTION TO SAFELY CONTROL TRAFFIC. THE ENTIRE COST TO CONTROL TRAFFIC, ACCRUED BY THE DEPARTMENT DUE TO THE CONTRACTOR'S NONCOMPLIANCE, WILL BE DEDUCTED FROM MONEYS DUE, OR TO BECOME DUE THE CONTRACTOR ON HIS CONTRACT.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR 24-HOUR-PER-DAY OPERATION AND MAINTENANCE OF THESE SIGNS ON THE PROJECT FOR THE DURATION OF THE PHASES WHEN THE PLAN REQUIRES THEIR USE.

PAYMENT FOR THE ABOVE DESCRIBED ITEM SHALL BE AT THE CONTRACT UNIT PRICE. PAYMENT SHALL INCLUDE ALL LABOR, MATERIALS, EQUIPMENT, FUELS, LUBRICATING OILS, SOFTWARE, HARDWARE, AND INCIDENTALS TO PERFORM THE ABOVE DESCRIBED WORK.

ITEM 614, PORTABLE CHANGEABLE MESSAGE SIGN, AS PER PLAN, 120 SIGN MONTH (ASSUMING 5 PCMS SIGNS FOR 24 MONTHS)

CALCULATED  
EJIT  
CHECKED  
WDB

MAINTENANCE OF TRAFFIC GENERAL NOTES

LAK-US-20-24.99

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| SHEET NUM. |        |       |       |  |        |        |     |  |        |        |         |     | PART.     | ITEM    | ITEM     | GRAND   | UNIT                  | DESCRIPTION  | SEE SHEET NO. |
|------------|--------|-------|-------|--|--------|--------|-----|--|--------|--------|---------|-----|-----------|---------|----------|---------|-----------------------|--|---------------|
| 16         | 17     | 18    | 19    |  | 225    | 226    | 229 |  | 233    | 236    | 240     | 425 | 01/NHS/04 | EXT     | TOTAL    |         |                       |  |               |
| LS         |        |       |       |  |        |        |     |  |        |        |         |     | LS        | 201     | 11000    | LS      | CLEARING AND GRUBBING |  |               |
|            |        |       |       |  | 2      |        |     |  |        | 72,548 |         |     | 2         | 202     | 20010    | 2       | EACH                  | HEADWALL REMOVED                                       |               |
|            |        |       |       |  |        | 63,507 |     |  |        |        |         |     | 84,167    | 202     | 23001    | 84,167  | SY                    | PAVEMENT REMOVED, AS PER PLAN                          | 19            |
|            |        |       |       |  | 40     |        |     |  |        |        |         |     | 63,507    | 202     | 30000    | 63,507  | SF                    | WALK REMOVED   |               |
|            |        |       |       |  | 75     |        |     |  |        |        |         |     | 40        | 202     | 30700    | 40      | FT                    | CONCRETE BARRIER REMOVED                               |               |
|            |        |       |       |  |        |        |     |  |        |        |         |     | 75        | 202     | 30800    | 75      | SY                    | TRAFFIC ISLAND REMOVED                                 |               |
|            |        |       |       |  |        | 68     |     |  |        | 1,818  |         |     | 1,886     | 202     | 32000    | 1,886   | FT                    | CURB REMOVED   |               |
|            |        |       |       |  | 12,980 |        |     |  |        |        |         |     | 12,980    | 202     | 35100    | 12,980  | FT                    | PIPE REMOVED, 24" AND UNDER                            |               |
|            |        |       |       |  | 834    |        |     |  |        |        |         |     | 834       | 202     | 35200    | 834     | FT                    | PIPE REMOVED, OVER 24"                                 |               |
|            |        |       |       |  | 592    |        |     |  |        |        |         |     | 592       | 202     | 38000    | 592     | FT                    | GUARDRAIL REMOVED                                      |               |
|            |        |       |       |  | 29     |        |     |  |        |        |         |     | 29        | 202     | 53100    | 29      | EACH                  | MAILBOX REMOVED  |               |
|            |        |       |       |  | 54     |        |     |  |        |        |         |     | 54        | 202     | 58000    | 54      | EACH                  | MANHOLE REMOVED  |               |
|            |        |       |       |  | 84     |        |     |  |        |        |         |     | 84        | 202     | 58300    | 84      | EACH                  | CATCH BASIN OR INLET REMOVED                           |               |
|            |        |       |       |  | 1      |        |     |  |        |        |         |     | 1         | 202     | 60010    | 1       | EACH                  | MONUMENT ASSEMBLY REMOVED                              |               |
|            |        |       |       |  | 255    |        |     |  |        |        |         |     | 255       | SPECIAL | 20270000 | 255     | FT                    | FILL AND PLUG EXISTING CONDUIT, 12"                    | 18            |
|            |        |       | 1,300 |  |        |        |     |  |        |        |         |     | 1,300     | SPECIAL | 20270110 | 1,300   | FT                    | PIPE CLEANOUT, 24" AND UNDER                           | 19            |
|            |        |       | 750   |  |        |        |     |  |        |        |         |     | 750       | SPECIAL | 20270120 | 750     | FT                    | PIPE CLEANOUT, 27" TO 48"                              | 19            |
|            |        |       |       |  | 2,110  |        |     |  |        |        |         |     | 2,110     | 202     | 75000    | 2,110   | FT                    | FENCE REMOVED  |               |
|            |        |       |       |  | 1      |        |     |  |        |        |         |     | 1         | 202     | 98100    | 1       | EACH                  | REMOVAL MISC.: SHED                                    | 17            |
|            |        |       |       |  | 33     |        |     |  |        |        |         |     | 33        | 202     | 98100    | 33      | EACH                  | REMOVAL MISC.: BUSINESS SIGN                           | 17            |
|            |        |       |       |  | 23     |        |     |  |        |        |         |     | 23        | 202     | 98100    | 23      | EACH                  | REMOVAL MISC.: BOULDER                                 | 17            |
|            |        |       |       |  | 8      |        |     |  |        |        |         |     | 8         | 202     | 98100    | 8       | EACH                  | REMOVAL MISC.: LIGHT POLE                              | 17            |
|            |        |       |       |  |        |        |     |  | 12,514 | 372    |         |     | 13,563    | 203     | 10000    | 13,563  | CY                    | EXCAVATION   |               |
|            | 2,398  |       |       |  |        |        |     |  | 1,455  |        |         |     | 3,853     | 203     | 20000    | 3,853   | CY                    | EMBANKMENT   |               |
|            |        |       |       |  |        |        |     |  |        | 87,063 |         |     | 95,733    | 204     | 10000    | 95,733  | SY                    | SUBGRADE COMPACTION                                    |               |
| 1,600      |        |       |       |  |        |        |     |  |        |        |         |     | 1,600     | 204     | 13000    | 1,600   | CY                    | EXCAVATION OF SUBGRADE                                 |               |
| 1,600      |        |       |       |  |        |        |     |  |        |        |         |     | 1,600     | 204     | 30010    | 1,600   | CY                    | GRANULAR MATERIAL, TYPE B                              |               |
| 30         |        |       |       |  |        |        |     |  |        |        |         |     | 30        | 204     | 45000    | 30      | hour                  | PROOF ROLLING  |               |
| 3,200      |        |       |       |  |        |        |     |  |        |        |         |     | 3,200     | 204     | 50000    | 3,200   | SY                    | GEOTEXTILE FABRIC                                      |               |
| 3,200      |        |       |       |  |        |        |     |  |        |        |         |     | 3,200     | 204     | 51000    | 3,200   | SY                    | GEOGRID  |               |
|            |        |       |       |  | 200    |        |     |  |        |        |         |     | 200       | 606     | 15050    | 200     | FT                    | GUARDRAIL, TYPE MGS                                    |               |
|            |        |       |       |  | 3      |        |     |  |        |        |         |     | 3         | 606     | 26550    | 3       | EACH                  | ANCHOR ASSEMBLY, MGS TYPE T                            |               |
|            |        |       |       |  |        | 93,608 |     |  |        |        |         |     | 93,608    | 608     | 10000    | 93,608  | SF                    | 4" CONCRETE WALK                                       |               |
|            |        |       |       |  |        | 2,399  |     |  |        |        |         |     | 2,399     | 608     | 52000    | 2,399   | SF                    | CURB RAMP  |               |
|            | 20     |       |       |  |        |        |     |  |        |        |         |     | 20        | 623     | 38500    | 20      | EACH                  | MONUMENT ASSEMBLY, TYPE C                              |               |
|            |        |       |       |  | 29     |        |     |  |        |        |         |     | 29        | SPECIAL | 69050000 | 29      | EACH                  | MAILBOX SUPPORT  | 17            |
|            |        | 3,800 |       |  |        |        |     |  |        |        |         |     | 3,800     | SPECIAL | 69065016 | 3,800   | TON                   | WORK INVOLVING PETROLEUM CONTAMINATED SOIL             | 18            |
|            |        | 1,900 |       |  |        |        |     |  |        |        |         |     | 1,900     | SPECIAL | 69065022 | 1,900   | GAL                   | WORK INVOLVING NON-REGULATED WATER                     | 18            |
|            |        | 1,900 |       |  |        |        |     |  |        |        |         |     | 1,900     | SPECIAL | 69065024 | 1,900   | GAL                   | WORK INVOLVING REGULATED WATER                         | 18            |
|            |        |       |       |  |        |        | 6   |  |        |        |         |     | 6         | 601     | 32204    | 6       | CY                    | ROCK CHANNEL PROTECTION, TYPE C WITH GEOTEXTILE FABRIC |               |
|            | 2      |       |       |  |        |        |     |  |        |        |         |     | 2         | 659     | 00100    | 2       | EACH                  | SOIL ANALYSIS TEST                                     |               |
|            | 7,161  |       |       |  |        |        |     |  |        |        |         |     | 7,161     | 659     | 00300    | 7,161   | CY                    | TOPSOIL  |               |
|            | 64,508 |       |       |  |        |        |     |  |        |        |         |     | 64,508    | 659     | 00500    | 64,508  | SY                    | SEEDING AND MULCHING, CLASS 1                          |               |
|            | 3,226  |       |       |  |        |        |     |  |        |        |         |     | 3,226     | 659     | 14000    | 3,226   | SY                    | REPAIR SEEDING AND MULCHING                            |               |
|            | 3,226  |       |       |  |        |        |     |  |        |        |         |     | 3,226     | 659     | 15000    | 3,226   | SY                    | INTER-SEEDING  |               |
|            | 9      |       |       |  |        |        |     |  |        |        |         |     | 9         | 659     | 20000    | 9       | TON                   | COMMERCIAL FERTILIZER                                  |               |
|            | 13.33  |       |       |  |        |        |     |  |        |        |         |     | 13.33     | 659     | 31000    | 13.33   | ACRE                  | LIME   |               |
|            | 367    |       |       |  |        |        |     |  |        |        |         |     | 367       | 659     | 35000    | 367     | MGAL                  | WATER  |               |
|            |        |       |       |  |        |        |     |  |        |        | LS      |     | LS        | 832     | 15000    | LS      |                       | STORM WATER POLLUTION PREVENTION PLAN                  |               |
|            |        |       |       |  |        |        |     |  |        |        | LS      |     | LS        | 832     | 15002    | LS      |                       | STORM WATER POLLUTION PREVENTION INSPECTIONS           |               |
|            |        |       |       |  |        |        |     |  |        |        | LS      |     | LS        | 832     | 15010    | LS      |                       | STORM WATER POLLUTION PREVENTION INSPECTION SOFTWARE   |               |
|            |        |       |       |  |        |        |     |  |        |        | 270,000 |     | 270,000   | 832     | 30000    | 270,000 | EACH                  | EROSION CONTROL  |               |

GENERAL SUMMARY

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| SHEET NUM. |        |       |         |  |       |       |       |       |      |       |  | PART.     | ITEM    | ITEM    | GRAND    | UNIT    | DESCRIPTION | SEE SHEET NO.  | CALCULATED | EJT | CHECKED | WDB    |
|------------|--------|-------|---------|--|-------|-------|-------|-------|------|-------|--|-----------|---------|---------|----------|---------|-------------|--|------------|-----|---------|--------|
| 16         | 21     | 22    | 23      |  | 32F   | 37    | 41    | 46    | 46A  | 50    |  | 01/NHS/04 |         | EXT     | TOTAL    |         |             |  |            |     |         |        |
|            |        |       |         |  |       |       |       | 325   |      |       |  |           | 325     | 606     | 15051    | 325     | FT          | <b>MAINTENANCE OF TRAFFIC</b>                                  |            |     |         |        |
|            |        |       |         |  |       |       |       | 1     |      |       |  |           | 1       | 606     | 26151    | 1       | EACH        | GUARDRAIL, TYPE MGS, AS PER PLAN                               |            |     |         | 23     |
|            |        |       |         |  |       |       |       | 1     |      |       |  |           | 1       | 606     | 26551    | 1       | EACH        | ANCHOR ASSEMBLY, MGS TYPE E, AS PER PLAN (MASH 2016)           |            |     |         | 23     |
|            |        |       |         |  |       |       |       |       |      |       |  |           |         |         |          |         |             | ANCHOR ASSEMBLY, MGS TYPE T, AS PER PLAN                       |            |     |         | 23     |
|            | 10,000 |       |         |  |       |       |       |       |      |       |  | 10,000    | 608     |         | 21201    | 10,000  | SF          | TEMPORARY ASPHALT CONCRETE WALK, AS PER PLAN                   |            |     |         | 26     |
|            |        |       |         |  | 82    | 393   |       | 734   |      |       |  |           | 1,209   | 611     | 04401    | 1,209   | FT          | 12" CONDUIT, TYPE B, AS PER PLAN                               |            |     |         | 23, 25 |
|            |        |       |         |  | 10    |       |       | 24    |      |       |  |           | 34      | 611     | 98371    | 34      | EACH        | CATCH BASIN, NO. 6, AS PER PLAN                                |            |     |         | 23, 25 |
|            |        |       |         |  | 10    |       |       | 25    |      |       |  |           | 35      | 611     | 98635    | 35      | EACH        | CATCH BASIN RECONSTRUCTED TO GRADE, AS PER PLAN                |            |     |         | 23, 25 |
|            |        |       |         |  |       |       |       | 10    |      |       |  |           | 10      | 611     | 99654    | 10      | EACH        | MANHOLE ADJUSTED TO GRADE                                      |            |     |         |        |
|            |        | 1,000 |         |  |       |       |       |       |      |       |  |           | 1,000   | 614     | 11110    | 1,000   | hour        | LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE         |            |     |         |        |
|            | 20     |       |         |  |       |       |       |       |      |       |  |           | 20      | SPECIAL | 61411300 | 20      | EACH        | WORK ZONE TRAFFIC SIGNAL                                       |            |     |         | 21     |
|            |        |       |         |  | 56    | 12    | 12    | 32    |      | 36    |  |           | 148     | 614     | 12384    | 148     | EACH        | WORK ZONE IMPACT ATTENUATOR, 24" WIDE HAZARDS, (BIDIRECTIONAL) |            |     |         |        |
|            |        |       |         |  |       |       |       |       |      |       |  |           | LS      | 614     | 12420    | LS      |             | DETOUR SIGNING   |            |     |         |        |
|            |        |       |         |  | 109   | 15    | 15    | 83    |      | 63    |  |           | 285     | 614     | 13310    | 285     | EACH        | BARRIER REFLECTOR, TYPE 1 (BIDIRECTIONAL)                      |            |     |         |        |
|            |        |       |         |  |       |       |       | 10    |      |       |  |           | 10      | 614     | 13312    | 10      | EACH        | BARRIER REFLECTOR, TYPE 2 (BIDIRECTIONAL)                      |            |     |         |        |
|            |        |       |         |  | 109   | 15    | 15    | 88    |      | 63    |  |           | 290     | 614     | 13360    | 290     | EACH        | OBJECT MARKER, TWO WAY   |            |     |         |        |
|            | 120    |       |         |  |       |       |       |       |      |       |  |           | 120     | 614     | 18601    | 120     | SNMT        | PORTABLE CHANGEABLE MESSAGE SIGN, AS PER PLAN                  |            |     |         | 21     |
|            | 3.61   |       |         |  |       | 0.22  | 0.17  | 0.32  | 0.02 | 0.14  |  |           | 4.48    | 614     | 20100    | 4.48    | MILE        | WORK ZONE LANE LINE, CLASS I, 4", 642 PAINT                    |            |     |         |        |
|            |        |       |         |  |       |       |       |       | 0.05 |       |  |           | 0.05    | 614     | 20356    | 0.05    | MILE        | WORK ZONE LANE LINE, CLASS I, 6", 873                          |            |     |         |        |
|            | 12.38  |       |         |  |       |       |       |       |      |       |  |           | 12.38   | 614     | 20550    | 12.38   | MILE        | WORK ZONE LANE LINE, CLASS III, 4", 642 PAINT                  |            |     |         |        |
|            | 2.71   |       |         |  |       | 2.47  | 1     | 2.48  | 0.04 | 1.3   |  |           | 10      | 614     | 21100    | 10      | MILE        | WORK ZONE CENTER LINE, CLASS I, 642 PAINT                      |            |     |         |        |
|            |        |       |         |  |       | 0.32  | 1.54  |       | 0.3  | 1.2   |  |           | 3.36    | 614     | 21350    | 3.36    | MILE        | WORK ZONE CENTER LINE, CLASS I, 873                            |            |     |         |        |
|            | 8.66   |       |         |  |       |       |       |       |      |       |  |           | 8.66    | 614     | 21550    | 8.66    | MILE        | WORK ZONE CENTER LINE, CLASS III, 642 PAINT                    |            |     |         |        |
|            | 1.33   |       |         |  | 1.38  | 4.6   | 1.69  | 4.01  | 0.04 | 3.14  |  |           | 16.19   | 614     | 22110    | 16.19   | MILE        | WORK ZONE EDGE LINE, CLASS I, 6", 642 PAINT                    |            |     |         |        |
|            | 4.26   |       |         |  | 0.17  | 0.15  | 1.93  |       | 0.05 | 1.44  |  |           | 3.74    | 614     | 22326    | 3.74    | MILE        | WORK ZONE EDGE LINE, CLASS I, 6", 873                          |            |     |         |        |
|            | 1,506  |       |         |  |       | 467   | 664   | 1,344 |      | 1,395 |  |           | 5,376   | 614     | 23200    | 5,376   | FT          | WORK ZONE CHANNELIZING LINE, CLASS I, 8", 642 PAINT            |            |     |         |        |
|            |        |       |         |  |       |       | 43    |       |      | 225   |  |           | 268     | 614     | 23130    | 268     | FT          | WORK ZONE CHANNELIZING LINE, CLASS I, 12", 873                 |            |     |         |        |
|            | 4,032  |       |         |  |       |       |       |       |      |       |  |           | 4,032   | 614     | 23680    | 4,032   | FT          | WORK ZONE CHANNELIZING LINE, CLASS III, 8", 642 PAINT          |            |     |         |        |
|            |        |       |         |  |       | 150   |       |       | 540  |       |  |           | 690     | 614     | 24122    | 690     | FT          | WORK ZONE DOTTED LINE, CLASS I, 6", 873                        |            |     |         |        |
|            |        |       |         |  |       | 787   | 500   | 450   |      |       |  |           | 1,737   | 614     | 24200    | 1,737   | FT          | WORK ZONE DOTTED LINE, CLASS I, 4", 642 PAINT                  |            |     |         |        |
|            | 648    |       |         |  |       | 171   | 81    | 501   |      | 471   |  |           | 1,872   | 614     | 25200    | 1,872   | FT          | WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT         |            |     |         |        |
|            | 1,676  |       |         |  | 17    |       |       |       |      |       |  |           | 1,693   | 614     | 25620    | 1,693   | FT          | WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS III, 642 PAINT       |            |     |         |        |
|            | 566    |       |         |  |       | 436   | 214   | 266   |      | 178   |  |           | 1,660   | 614     | 26200    | 1,660   | FT          | WORK ZONE STOP LINE, CLASS I, 642 PAINT                        |            |     |         |        |
|            |        |       |         |  |       | 10    | 162   |       |      | 12    |  |           | 184     | 614     | 26400    | 184     | FT          | WORK ZONE STOP LINE, CLASS I, 740.06, TYPE I                   |            |     |         |        |
|            | 1,338  |       |         |  |       |       |       |       |      |       |  |           | 1,338   | 614     | 26610    | 1,338   | FT          | WORK ZONE STOP LINE, CLASS III, 642 PAINT                      |            |     |         |        |
|            | 1,582  |       |         |  |       | 274   |       | 1,016 |      |       |  |           | 2,872   | 614     | 27050    | 2,872   | FT          | WORK ZONE CROSSWALK LINE, CLASS I, 12", 642 PAINT              |            |     |         |        |
|            | 3,390  |       |         |  |       |       |       |       |      |       |  |           | 3,390   | 614     | 27250    | 3,390   | FT          | WORK ZONE CROSSWALK LINE, CLASS III, 12", 642 PAINT            |            |     |         |        |
|            | 23     |       |         |  |       | 10    | 13    | 26    |      | 28    |  |           | 100     | 614     | 30200    | 100     | EACH        | WORK ZONE ARROW, CLASS I, 642 PAINT                            |            |     |         |        |
|            |        |       |         |  |       |       | 1     |       |      | 3     |  |           | 4       | 614     | 30400    | 4       | EACH        | WORK ZONE ARROW, CLASS I, 740.06, TYPE I                       |            |     |         |        |
|            | 62     |       |         |  |       |       |       |       |      |       |  |           | 62      | 614     | 30650    | 62      | EACH        | WORK ZONE ARROW, CLASS III, 642 PAINT                          |            |     |         |        |
|            |        | 65    |         |  |       |       |       |       |      |       |  |           | 65      | 614     | 40051    | 65      | EACH        | BUSINESS ENTRANCE SIGN, AS PER PLAN                            |            |     |         | 22     |
|            | LS     |       |         |  |       |       |       |       |      |       |  |           | LS      | 615     | 10000    | LS      |             | ROADS FOR MAINTAINING TRAFFIC                                  |            |     |         |        |
|            |        |       |         |  | 6,565 | 1,410 | 790   | 8,647 |      |       |  |           | 17,412  | 615     | 20001    | 17,412  | SY          | PAVEMENT FOR MAINTAINING TRAFFIC, CLASS A, AS PER PLAN         |            |     |         | 23     |
|            | 550    |       |         |  |       |       |       |       |      |       |  |           | 550     | 616     | 10000    | 550     | MGAL        | WATER  |            |     |         |        |
|            |        |       |         |  | 4,374 | 1,060 | 1,530 | 6,179 |      | 4,713 |  |           | 17,856  | 622     | 41100    | 17,856  | FT          | PORTABLE BARRIER, UNANCHORED                                   |            |     |         |        |
|            |        |       | 250,000 |  |       |       |       |       |      |       |  |           | 250,000 | SPECIAL | 69098000 | 250,000 | EACH        | REIMBURSEMENT FOR MOT ITEMS PERMANENTLY DAMAGED BY TRAFFIC     |            |     |         | 23     |
|            |        |       |         |  |       |       |       |       |      |       |  |           |         |         |          |         |             | <b>INCIDENTALS</b>   |            |     |         |        |
|            |        |       |         |  |       |       |       |       |      |       |  |           | 97,500  | 100     | 51100    | 97,500  | EACH        | DEPARTMENT'S SHARE OF THE DISPUTE RESOLUTION BOARD             |            |     |         |        |
|            | LS     |       |         |  |       |       |       |       |      |       |  |           | LS      | 108     | 10000    | LS      |             | CPM PROGRESS SCHEDULE  |            |     |         |        |
|            |        |       |         |  |       |       |       |       |      |       |  |           | LS      | 614     | 11000    | LS      |             | MAINTAINING TRAFFIC  |            |     |         |        |
|            |        |       |         |  |       |       |       |       |      |       |  |           | 24      | 619     | 16021    | 24      | MNTH        | FIELD OFFICE, TYPE C, AS PER PLAN                              |            |     |         | 20A    |
|            |        |       |         |  |       |       |       |       |      |       |  |           | LS      | 623     | 10000    | LS      |             | CONSTRUCTION LAYOUT STAKES AND SURVEYING                       |            |     |         |        |
|            |        |       |         |  |       |       |       |       |      |       |  |           | LS      | 624     | 10000    | LS      |             | MOBILIZATION   |            |     |         |        |
| LS         |        |       |         |  |       |       |       |       |      |       |  |           | LS      | SPECIAL | 69098400 | LS      |             | PRECONSTRUCTION VIDEO DOCUMENTATION                            |            |     |         | 16     |

**GENERAL SUMMARY**

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| STATION                           |           | SIDE | LENGTH | AVERAGE WIDTH | CALCULATED SURFACE AREA | CADD GENERATED SURFACE AREA | 202                           | 202          | 203        | 204                 | 252                        | 254                                   | 301                                      | 301   | 304               | 407                    | 441   | 441   | 441   | 441   | 441                        | 609                                 | 609          | 609                     | 617                 | 874   | 609            | 452  |  |  |  |
|-----------------------------------|-----------|------|--------|---------------|-------------------------|-----------------------------|-------------------------------|--------------|------------|---------------------|----------------------------|---------------------------------------|--|---|-------------------|------------------------|---|---|---|---|----------------------------|-------------------------------------|--------------|-------------------------|---------------------|---|----------------|--|--|--|--|
|                                   |           |      |        |               |                         |                             | PAVEMENT REMOVED, AS PER PLAN | CURB REMOVED | EXCAVATION | SUBGRADE COMPACTION | FULL DEPTH PAVEMENT SAWING | 3" PAVEMENT PLANING, ASPHALT CONCRETE | 6" ASPHALT CONCRETE BASE, PG64-22, (449) | 6" ASPHALT CONCRETE BASE, (449), AS PER PLAN, PG64-22 | 6" AGGREGATE BASE | NON-TRACKING TACK COAT | 1.25" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (446), AS PER PLAN, PG70-22M | 1.25" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), PG64-22 | 1.75" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (446) | 1.75" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (449) | ANTI-SEGREGATION EQUIPMENT | COMBINATION CURB AND GUTTER, TYPE 2 | CURB, TYPE 6 | CONCRETE TRAFFIC ISLAND | COMPACTED AGGREGATE | LONGITUDINAL JOINT PREPARATION, AS PER PLAN | CURB, TYPE 2-A | 8" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC MS |  |  |  |
| FROM                              | TO        |      | FT     | FT            | SF                      | SF                          | SY                            | FT           | CY         | SY                  | FT                         | SY                                    | CY                                       | CY  | CY                | GAL                    | CY  | CY  | CY  | CY  | CY                         | FT                                  | FT           | SY                      | CY                  | FT  | FT             | SY   |  |  |  |
| MCMACKIN                          |           |      |        |               |                         |                             |                               |              |            |                     |                            |                                       |  |   |                   |                        |   |   |   |   |                            |                                     |              |                         |                     |   |                |  |  |  |  |
| 10+27.20                          | 10+75.75  | L/R  | 48.55  |               | 1766.8                  |                             |                               |              |            |                     |                            |                                       |  |   |                   | 23.6                   |   |   |   |   |                            |                                     |              |                         |                     |   |                |  |  |  |  |
| 9+20.95                           | 9+64.92   | L/R  | 43.97  |               | 1531.4                  |                             |                               |              |            |                     |                            |                                       |  |   |                   | 20.4                   |   |   |   |   |                            |                                     |              |                         |                     |   |                |  |  |  |  |
| HAINES                            |           |      |        |               |                         |                             |                               |              |            |                     |                            |                                       |  |   |                   |                        |   |   |   |   |                            |                                     |              |                         |                     |   |                |  |  |  |  |
| 10+26.62                          | 10+92.79  | L/R  | 66.17  |               | 2630.2                  | 292.2                       |                               |              | 321.7      |                     |                            |                                       | 48.7                                     | 60.1  | 35.1              |                        |   |   |   |   |                            |                                     |              |                         |                     |   |                |  |  |  |  |
| 10+92.79                          | 11+50.00  | L/R  | 57.21  |               | 1249.5                  | 138.8                       |                               |              | 164.3      | 20                  |                            |                                       | 23.8                                     | 24.2  | 16.7              |                        |   |   |   |   |                            |                                     |              |                         | 2.2                 |   |                |  |  |  |  |
| GREEN                             |           |      |        |               |                         |                             |                               |              |            |                     |                            |                                       |  |   |                   |                        |   |   |   |   |                            |                                     |              |                         |                     |   |                |  |  |  |  |
| 10+33.66                          | 11+03.83  | L/R  | 70.17  |               | 3659.4                  |                             |                               |              |            |                     |                            |                                       |  |   |                   | 48.8                   |   |   |   |   |                            |                                     |              |                         |                     |   |                |  |  |  |  |
| WALMART                           |           |      |        |               |                         |                             |                               |              |            |                     |                            |                                       |  |   |                   |                        |   |   |   |   |                            |                                     |              |                         |                     |   |                |  |  |  |  |
| 10+34.74                          | 10+94.59  | L/R  | 59.85  |               | 2800.6                  | 311.2                       |                               |              | 69.5       | 337.8               | 24                         |                                       | 51.9                                     | 64.8  | 37.3              |                        |   |   |   |   |                            |                                     |              |                         |                     |   |                |  |  |  |  |
| BURNS                             |           |      |        |               |                         |                             |                               |              |            |                     |                            |                                       |  |   |                   |                        |   |   |   |   |                            |                                     |              |                         |                     |   |                |  |  |  |  |
| 8+24.93                           | 9+33.02   | L/R  | 108.09 |               | 2606.5                  | 289.6                       |                               |              |            | 337.7               | 23                         |                                       | 49.6                                     | 50.3  | 34.8              |                        |   |   |   |   |                            |                                     |              |                         |                     |   |                |  |  |  |  |
| 9+33.02                           | 9+76.54   | L/R  | 43.52  |               | 1734.1                  | 192.7                       |                               |              |            | 212.0               |                            |                                       | 32.1                                     | 40.3  | 23.1              |                        |   |   |   |   |                            |                                     |              |                         |                     |   |                |  |  |  |  |
| STONERIDGE                        |           |      |        |               |                         |                             |                               |              |            |                     |                            |                                       |  |   |                   |                        |   |   |   |   |                            |                                     |              |                         |                     |   |                |  |  |  |  |
| 10+22.77                          | 10+62.77  | L/R  | 40.00  |               | 2102.3                  | 183.0                       |                               |              | 52.2       | 251.4               | 35                         |                                       |  |   |                   | 38.9                   |   |   |   |   |                            |                                     |              |                         |                     |   |                |  |  |  |  |
| DERUBERTIS                        |           |      |        |               |                         |                             |                               |              |            |                     |                            |                                       |  |   |                   |                        |   |   |   |   |                            |                                     |              |                         |                     |   |                |  |  |  |  |
| 10+23.30                          | 11+00.00  | L/R  | 76.7   |               | 2250.8                  | 250.1                       |                               |              |            | 284.2               |                            |                                       | 41.7                                     | 53.3  | 30.0              |                        |   |   |   |   |                            |                                     |              |                         |                     |   |                |  |  |  |  |
| 11+00.00                          | 11+50.00  | L/R  | 50.0   |               | 1202.4                  | 133.6                       |                               |              |            | 155.8               |                            |                                       | 22.6                                     | 26.0  | 16.0              |                        |   |   |   |   |                            |                                     |              |                         |                     |   |                |  |  |  |  |
| 11+50.00                          | 11+75.00  | L/R  | 25.0   |               | 559.9                   | 62.2                        |                               |              |            | 73.3                | 21                         |                                       | 10.7                                     | 13.6  | 7.5               |                        |   |   |   |   |                            |                                     |              |                         |                     |   |                |  |  |  |  |
| SOUTH DERUBERTIS                  |           |      |        |               |                         |                             |                               |              |            |                     |                            |                                       |  |   |                   |                        |   |   |   |   |                            |                                     |              |                         |                     |   |                |  |  |  |  |
| 9+45.00                           | 9+55.50   | R    | 10.5   |               | 322.5                   | 35.8                        |                               |              | 8.0        | 40.5                | 37                         |                                       | 6.1                                      | 6.2   | 4.3               |                        |   |   |   |   |                            |                                     |              |                         |                     |   |                |  |  |  |  |
| 9+55.50                           | 9+77.00   | R    | 21.5   |               | 730.68                  | 81.2                        |                               |              | 18.1       | 90.7                |                            |                                       | 13.5                                     | 17.8  | 9.7               |                        |   |   |   |   |                            |                                     |              |                         |                     |   |                |  |  |  |  |
| SHOP STA 556+02                   |           |      |        |               |                         |                             |                               |              |            |                     |                            |                                       |  |   |                   |                        |   |   |   |   |                            |                                     |              |                         |                     |   |                |  |  |  |  |
| 10+23.29                          | 10+79.97  | L    | 56.68  |               | 3371.52                 | 374.6                       |                               |              |            | 83.7                | 399.8                      | 41                                    | 62.4                                     | 71.1  | 45.0              |                        |   |   |   |   |                            |                                     |              |                         |                     |   |                |  |  |  |  |
| 9+08.00                           | 9+77.00   | R    | 69.00  |               | 3737.94                 | 415.3                       |                               |              |            | 92.8                | 446.0                      | 46                                    | 69.2                                     | 79.1  | 49.8              |                        |   |   |   |   |                            |                                     |              |                         |                     |   |                |  |  |  |  |
| SHOP 558+31                       |           |      |        |               |                         |                             |                               |              |            |                     |                            |                                       |  |   |                   |                        |   |   |   |   |                            |                                     |              |                         |                     |   |                |  |  |  |  |
| 9+23.17                           | 9+66.10   | L    | 42.93  |               | 1892.28                 | 210.3                       |                               |              |            | 47.0                | 229.3                      | 30                                    | 35.0                                     | 41.5  | 25.2              |                        |   |   |   |   |                            |                                     |              |                         |                     |   |                |  |  |  |  |
| HUBBARD                           |           |      |        |               |                         |                             |                               |              |            |                     |                            |                                       |  |   |                   |                        |   |   |   |   |                            |                                     |              |                         |                     |   |                |  |  |  |  |
| 90+00.00                          | 91+80.90  | L/R  | 180.90 | 44.00         | 7959.6                  |                             |                               |              |            |                     |                            |                                       |  |   |                   | 106.1                  | 30.7  |   |   |   |                            |                                     |              |                         |                     |   |                |  |  |  |  |
| 92+55.20                          | 92+96.00  | L/R  | 40.80  | 52.00         | 2121.6                  |                             |                               |              |            |                     |                            |                                       |  |   |                   | 28.3                   | 8.2   |   |   |   |                            |                                     |              |                         |                     |   |                |  |  |  |  |
| 92+96.00                          | 96+00.00  | L    | 304.0  | 14.50         | 4408.0                  |                             |                               |              |            |                     |                            |                                       |  |   |                   | 58.8                   | 17.0  |   |   |   |                            |                                     |              |                         |                     |   |                |  |  |  |  |
| 96+00.00                          | 99+00.00  | L    | 300.0  | 16.25         | 4875.0                  |                             |                               |              |            |                     |                            |                                       |  |   |                   | 65.0                   | 18.8  |   |   |   |                            |                                     |              |                         |                     |   |                |  |  |  |  |
| 92+96.00                          | 97+20.00  | R    | 424.0  | 26.00         | 11024.0                 |                             |                               |              |            |                     |                            |                                       |  |   |                   | 147.0                  | 42.5  |   |   |   |                            |                                     |              |                         |                     |   |                |  |  |  |  |
| 97+20.00                          | 99+00.00  | R    | 180.0  | 18.00         | 3240.0                  |                             |                               |              |            |                     |                            |                                       |  |   |                   | 43.2                   | 12.5  |   |   |   |                            |                                     |              |                         |                     |   |                |  |  |  |  |
| 99+00.00                          | 99+71.43  | L/R  | 71.43  |               | 3559.2                  | 395.5                       |                               |              |            | 427.2               |                            |                                       |  | 65.9  | 78.2              | 47.5                   | 13.7  |   |   |   |                            |                                     |              |                         |                     |   |                |  |  |  |  |
| 100+29.13                         | 101+00.00 | L/R  | 70.87  |               | 3684.7                  | 409.4                       |                               |              |            | 440.9               |                            |                                       |  | 68.2  | 80.7              | 49.1                   | 14.2  |   |   |   |                            |                                     |              |                         |                     |   |                |  |  |  |  |
| 101+00.00                         | 102+50.00 | L/R  | 150.00 | 36.00         | 5400.0                  |                             |                               |              |            |                     |                            |                                       |  |   |                   | 72.0                   | 20.8  |   |   |   |                            |                                     |              |                         |                     |   |                |  |  |  |  |
| 102+50.00                         | 104+50.00 | L/R  | 200.00 | 30.00         | 6000.0                  |                             |                               |              |            |                     |                            |                                       |  |   |                   | 80.0                   | 23.2  |   |   |   |                            |                                     |              |                         |                     |   |                |  |  |  |  |
| 104+50.00                         | 104+75.00 | L/R  | 25.00  | 24.00         | 600.0                   |                             |                               |              |            |                     |                            |                                       |  |   |                   | 8.0                    | 2.3   |   |   |   |                            |                                     |              |                         |                     |   |                |  |  |  |  |
| TOTALS THIS SHEET                 |           |      |        |               |                         |                             | 4807.0                        |              | 371.3      | 5512.5              | 896.0                      | 4811.5                                | 467.3                                    | 313.5   | 924.5             | 1132.3                 | 203.9   | 123.6   | 313.5   | 173.0   | 517.4                      | 1588.0                              | 96.0         | 69.4                    | 53.3                | 1343.0                                      | 20.0           | 233.6  |  |  |  |
| TOTALS FROM SHEET 234             |           |      |        |               |                         |                             | 4807                          |              | 372        | 5513                | 896                        | 4812                                  | 468                                      | 314   | 925               | 1133                   | 204   | 124   | 314   | 173   | 518                        | 1588                                | 96           | 70                      | 54                  | 1343  | 20             | 234  |  |  |  |
| TOTALS FROM SHEET 235             |           |      |        |               |                         |                             | 33815                         | 137          |            | 40456               | 147                        | 9612                                  |  | 5757  | 6620              | 5298                   | 1534  |   | 2146  |   | 3679                       | 12966                               | 95           | 16                      |                     |   |                |  |  |  |  |
| TOTALS CARRIED TO GENERAL SUMMARY |           |      |        |               |                         |                             | 72548                         | 1818         | 372        | 87063               | 1166                       | 22861                                 | 468                                      | 11934   | 14271             | 11665                  | 3254  | 124   | 4580  | 173   | 7832                       | 27157                               | 1867         | 86                      | 54                  | 18145                                       | 20             | 234  |  |  |  |

CALCULATED  
 JMP  
 CHECKED  
 WDB  
**PAVEMENT CALCULATIONS**  
**LAK-US-20-24.99**  
 236  
 651