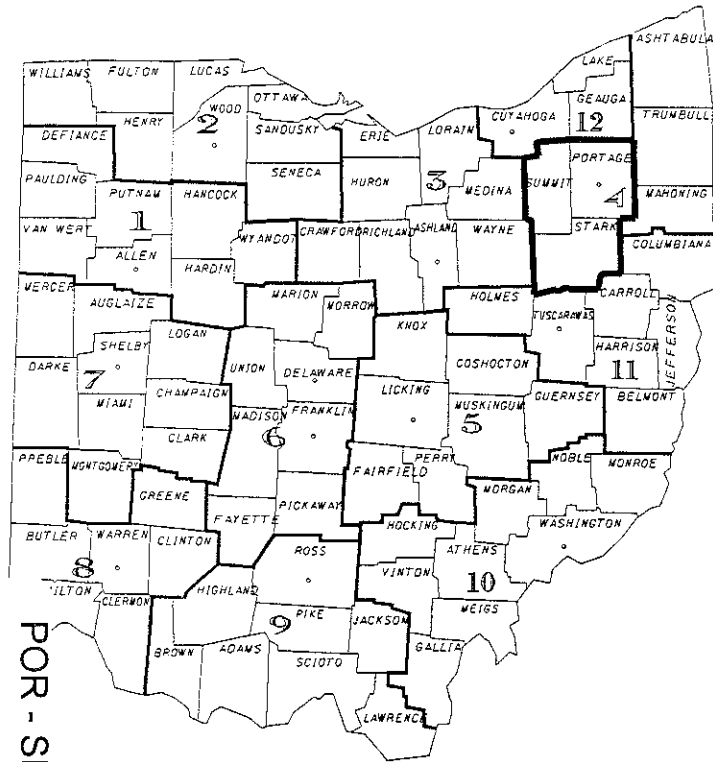


# STATE OF OHIO DEPARTMENT OF TRANSPORTATION DISTRICT 4 WEST LOOP DETECTOR MAINTENANCE CONTRACT 2001



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### 1997 SPECIFICATIONS

THE STANDARD 1997 SPECIFICATIONS OF THE STATE OF OHIO, DEPARTMENT OF TRANSPORTATION, INCLUDING CHANGES AND SUPPLEMENTAL SPECIFICATIONS LISTED IN THE PLANS AND PROPOSAL SHALL GOVERN THESE IMPROVEMENTS.

I HEREBY APPROVE THESE PLANS AND DECLARE THAT NO PORTION OF THESE IMPROVEMENTS WILL REQUIRE THE CLOSING OF THE HIGHWAY(S) TO TRAFFIC. PROVISIONS FOR THE MAINTENANCE AND SAFETY TO TRAFFIC WILL BE AS INDICATED IN THE PLAN AND THE PROPOSAL.

**UNDERGROUND UTILITIES**  
 TWO WORKING DAYS  
**BEFORE YOU DIG**  
 Call...800-362-2764 (Toll free)  
 OHIO UTILITIES PROTECTION SERVICE  
 NON-MEMBERS  
 MUST BE CALLED DIRECTLY

Dist 4 7/11/01  
 010349 PID - 22781  
 POR - SR 5 - 0.38

SIGNED: *Lisa A. Jaynes*  
 DATED: 3-21-01

PLAN PREPARED BY:  
 O.D.O.T.  
 DISTRICT 4 PRODUCTION

STANDARD CONSTRUCTION DRAWINGS				SUPPLEMENTAL SPECIFICATIONS	
HL-20.11M	3-31-95	MT-35.10M	1-30-95	SS 806	9-9-97
HL-30.11M	3-31-95	MT-35.11M	1-30-95		
HL-30.22M	3-31-95	MT-95.30M	4-25-94		
		MT-95.31M	4-25-94		
TC-41.20	1-19-01	MT-95.32M	4-25-94		
TC-42.20M	3-31-94	MT-97.10M	4-25-94		
TC-52.10M	7-29-94	MT-105.10M	4-25-94		
TC-52.20M	7-29-94	MT-105.11M	4-25-94		
TC-82.10	1-19-01				
TC-84.20	5-1-00				

APPROVED *[Signature]*  
 DATE 3-16-01 DISTRICT DEPUTY DIRECTOR

APPROVED *[Signature]*  
 DATE 04-09-01 DIRECTOR, DEPARTMENT OF TRANSPORTATION

FEDERAL PROJECT NO. NONE  
 PID NO. 22781  
 CONSTRUCTION PROJECT NO.  
**TITLE SHEET**  
 POR-5-0.38 [WDM-4-01]

COUNTY	ROUTE	DESCRIPTION
SIGNALS		
POR	5	SR 44 AND LYNN RD.
POR	14	INFIRMARY RD.
POR	14	SR 44 W JCT
POR	14	SR 59
POR	14	TALLMADGE RD [CO 18]
POR	14	SR 183
POR	43	WATERLOO
POR	43	OLD FORGE RD.
POR	43	TALLMADGE RD. (CR 18)
POR	43	I 76 EB
POR	43	I 76 WB AND EDSON RD.
POR	44	WATERLOO RD.
POR	44	TALLMADGE RD. (CR 18)
POR	44	SR 303
POR	44	SR 82
POR	59	RHODES RD.
POR	59	SR 261
POR	59	POWDERMILL DRIVE
POR	59	WALMART WEST DRIVE
POR	59	WALMART EAST DRIVE
POR	59	BRADY LAKE RD.
POR	76	TALLMADGE RD. (CR 18)
POR	224	SR 43
POR	224	SR 44
POR	261	SUMMIT RD.
AUTOMATIC TRAFFIC RECORDERS		
POR	5	HOLCOMB RD
POR	76	100' EAST OF SANDY LAKE
POR	43	0.4 MILE N OF SR 82

COUNTY	ROUTE	DESCRIPTION
SIGNALS		
STA	30	RAFF RD. (SR 297)
STA	30	TRUMP AVE.
STA	43	SR 183 N JCT
STA	43	17TH ST.
STA	43	SCHNEIDER ST
STA	43	EASTON ST.
STA	43	APPLEGROVE
STA	43	DIAMOND ST/IVY ST
STA	43	STATE ST.
STA	44	COLUMBUS RD.
STA	44	SR 619
STA	62	US 21/NAVARRE RD.
STA	62	MARTINDALE
STA	62	ROWLAND AVE.
STA	62	MAPLE AVE.
STA	62	RAMP W
STA	62	HARRISBURG/MIDDLEBRANCH
STA	62	REGENT AVE.
STA	62	HARMONT AVE.
STA	62	BROADWAY AVE.
STA	62	CALIFORNIA AVE.
STA	77	SR 627 SB RAMP
STA	77	SR 627 NB RAMP
STA	77	BELDEN VILLAGE/WHIPPLE AVE.
STA	77	WHIPPLE AVE./EVERHARD RD.
STA	77	EVERHARD RAMP
STA	77	PORTAGE NB RAMP
STA	77	PORTAGE SB RAMP
STA	153	BROADWAY AVE.
STA	172	SR 93
STA	172	AUSTIN AVE.
STA	172	GENOA AVE.
STA	172	LEONARD AVE.
STA	172	PERRY RD.
STA	172	BORDNER AVE.
STA	172	WOODLAWN AVE.
STA	172	WHIPPLE AVE.
STA	172	SR 183
STA	236	PORTAGE ST.

COUNTY	ROUTE	DESCRIPTION
SIGNALS		
STA	241	SR 687
STA	241	MUDBROOK RD
STA	241	PORTAGE ST.
STA	241	STRAUSSER ST.
STA	297	SOUTHWAY ST/17TH SW
STA	619	CLEVELAND AVE
STA	619	KING CHURCH AVE.
STA	619	MARKET AVE.
STA	627	NAVARRE RD.
STA	627	SHERMAN CHURCH
STA	687	BRUNNERDALE AVE.
STA	687	SOUTH BLVD/EAST BLVD.
STA	687	FRANK AVE./SIBILIA RD.
STA	687	EVERHARD RD.
STA	687	DRESSLER
STA	687	WHIPPLE AVE.
STA	687	HILLS AND DALES
STA	687	LAKESIDE/WESTMORELAND
STA	687	BROAD AVE.
STA	687	BLAKE I 77 SB
STA	687	I 77 NB RAMP A AND I
STA	800	FAIRCREST ST.
STA	800	SOUTHGATE PLAZA

COUNTY	ROUTE	DESCRIPTION
AUTOMATIC TRAFFIC RECORDER		
STA	21	2.1 MILE N OF SR93
STA	30	0.4 MILE E OF SR44
STA	43	@ 26TH STREET
STA	62	1.1 MILE S OF US30
STA	62	0.2 MILE E OF HARMONT
STA	77	100' S OF DUEBER RD.
STA	172	1.5 MILE E OF PARIS RD

**LOOP LOCATIONS  
STARK COUNTY**

**POR-5-0.38  
[WDM-4-01]**

COUNTY	ROUTE	DESCRIPTION
SIGNALS		
SUM	8	TWINSBURG RD.
SUM	18	HERITAGE WOODS DR
SUM	18	CRYSTAL LAKE RD.
SUM	18	SPRINGSIDE DR.
SUM	18	ACME-CLICK
SUM	18	CLEV-MASS RD.
SUM	21	MINOR RD
SUM	76	WB RAMP/CLEVE.-MASS. RD
SUM	76	SR 619 RAMP EB
SUM	76	SR 619 RAMP WB
SUM	76	EB RAMP/ GILCHRIST RD
SUM	77	RAMP J/SR 241
SUM	77	RAMP M/SR 241
SUM	77	ARLINGTON SB
SUM	77	ARLINGTON NB
SUM	77	MILLER-RIDGEWOOD
SUM	77	NB RAMP/GHENT RD
SUM	82	HOLZHAUER/LOCUST CIRCLE
SUM	82	BOYDEN RD.
SUM	82	OLD 8/BRANDYWINE RD.
SUM	93	W. NIMISILA RD.
SUM	93	CENTER RD.
SUM	93	VANDERHOOF
SUM	93	SR 619
SUM	93	STATE ST/STATE MILL
SUM	93	PORTAGE LAKES DR.
SUM	93	ROBINSON AVE.
SUM	93	ACME CLICK #54
SUM	93	CORMANY RD.
SUM	162	CLEVE-MASS RD/CPLY CIRCLE
SUM	162	JACOBY RD.
SUM	162	WHITE POND DR.
SUM	224	KUBLER
SUM	224	SR 91
SUM	224	WATERLOO
SUM	224	SR 532
SUM	241	KILLIAN RD.
SUM	241	KRUMROY RD.
SUM	619	STATE ST/DUSTY RD
SUM	619	TURKEYFOOT LAKE DR

COUNTY	ROUTE	DESCRIPTION
AUTOMATIC TRAFFIC RECORDER		
SUM	8	0.5 MI N HOWE RD
SUM	8	0.75 MI N STEELS CORNER RD
SUM	18	0.5 MI E OF MEDINA COUNTY
SUM	21	@ COPLEY TWP LINE
SUM	76	1 MILE E OF MEDINA COUNTY
SUM	76	0.6 MI E OF BARBER RD
SUM	76	0.4 MI N OF BATTLES AVE
SUM	76	160' W OF SR 91
SUM	76/77	0.2 MI E OF SR 59
SUM	77	@ SR 619
SUM	77	110' N OF LOVER'S LANE
SUM	77	0.5 MI N OF WHITE POND DR
SUM	77	1900' S OF SR18
SUM	77	0.25 MI N OF EVERETT RD
SUM	271	110' N OF SOUTHERN BLVD
SUM	277	0.5 MILE W OF S MAIN ST
SUM	480	2 MILE W OF CUYAHOGA CO

SCOPE

THE PURPOSE OF THIS CONTRACT IS TO PROVIDE FOR THE TIMELY REPLACEMENT OF DEFECTIVE PAVEMENT LOOP DETECTOR(S) AND/OR THE ASSOCIATED LEAD-IN CABLE(S), CONDUIT, OR PULLBOXES, FOR THOSE LOCATIONS LISTED ON THE LOCATION MAPS ON SHEETS 2-4 OF THIS PLAN, IN AN AREA KNOWN AS THE OHIO DEPARTMENT OF TRANSPORTATION DISTRICT 4 (PORTAGE, STARK, SUMMIT COUNTIES).

WORK MAY INCLUDE INSTALLATION OF NEW LOOP DETECTORS AT THE ABOVE LOCATIONS OR ANY NEW LOCATIONS AS DIRECTED BY THE ENGINEER.

THE REPAIR OF DEFICIENT PAVEMENT LOOPS MAY BE REQUIRED AT ANY OF THE LOCATIONS NOTED ABOVE. ALL QUANTITIES LISTED IN THE GENERAL SUMMARY ARE ESTIMATED QUANTITIES AND WILL BE USED AS NEEDED AS DIRECTED BY THE DEPARTMENT OF TRANSPORTATION (ODOT) ENGINEER (HEREAFTER REFERRED TO AS THE ENGINEER).

IT IS THE INTENT OF THIS PLAN TO HAVE THE CONTRACTOR REPAIR ALL PAVEMENT LOOP AND LEAD-IN DEFICIENCIES AS REPORTED TO THE CONTRACTOR BY THE DISTRICT 4 TRAFFIC OFFICE. TROUBLE-SHOOTING WILL BE REQUIRED TO FIND ISOLATED BREAKS OR SHORTS IN THE LOOP-CIRCUIT. INCLUDED IN ALL CONTRACTOR REQUIRED WORK IS A CONTINUITY-CHECK BY THE CONTRACTOR AT THE CONTROLLER HOUSING TO VERIFY THE INTEGRITY OF THE PAVEMENT LOOP AND THAT IT IS FUNCTIONAL.

THE CONTRACTOR SHALL BE REQUIRED TO FURNISH ALL LABOR, MATERIAL, EQUIPMENT, TESTING DEVICES AND TOOLS REQUIRED TO COMPLETE THE NECESSARY WORK. THE CONTRACTOR SHALL PERFORM ALL WORK IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS AS SET FORTH HEREIN. ALL WORK PERFORMED UNDER THIS CONTRACT SHALL BE DONE IN A GOOD WORKMANSHIP LIKE MANNER.

THE CONTRACTOR SHALL SUBMIT CATALOG CUTS FOR ALL THE ITEMS OF THE WORK WITHIN TWENTY-ONE (21) DAYS AFTER THE AWARD OF THE CONTRACT, TO THE DISTRICT TRAFFIC DEPARTMENT. FAILURE TO EXECUTE THE CONTRACT SHALL BE JUST CAUSE FOR CANCELLATION OF THE AWARD PER SECTION 103.07 OF THE CONSTRUCTION AND MATERIAL SPECIFICATIONS.

GENERAL

THE DISTRICT 4 TRAFFIC DEPARTMENT WILL REPORT THE LOSS OF SERVICE OF ANY PAVEMENT LOOP AND/OR LOOP DETECTOR LEAD-IN CABLE TO THE PROJECT ENGINEER. THE PROJECT ENGINEER WILL SCHEDULE A SITE MEETING WHICH MAY INCLUDE A REPRESENTATIVE OF THE TRAFFIC DEPARTMENT, TO SURVEY THE AFFECTED FAULTED LOOP-CIRCUIT AREA. A DRAWING OR SKETCH RELEVANT TO LOOP-DIMENSIONS/ PLACEMENT WILL BE GIVEN TO THE ENGINEER FOR TRANSMITTAL TO THE CONTRACTOR. THE INSTALLATION OF NEW PULL BOXES, WITH POSITIVE DRAINAGE, IF POSSIBLE, MAY ALSO BE REQUIRED AT LOCATIONS WHERE EXISTING PULL BOXES ARE IN POOR CONDITION OR NON-EXISTENT.

THE CONTRACTOR WILL THEN REVIEW EACH LOCATION, OBTAIN UTILITY CLEARANCES, AND SCHEDULE THE REQUIRED WORK. ALL SIGNAL DETECTOR WORK AT EACH INTERSECTION SHALL BE COMPLETED BEFORE MOVING TO THE NEXT LOCATION SO AS TO PREVENT COMPLICATIONS FROM UNCOMPLETED WORK ITEMS LEFT UNATTENDED.

IT IS THE INTENT OF THIS CONTRACT TO REPAIR ANY DEFECTIVE PAVEMENT LOOP AND/OR LEAD-IN CABLE AS SOON AS POSSIBLE. A THIRTY CONSECUTIVE DAY PERIOD FROM THE TIME OF CONTRACTOR NOTIFICATION TO THE REPAIR OF THE DEFECTIVE LOOP WILL BE USED AS A NORMAL TIME FOR THE CONTRACTOR TO SECURE MATERIAL AND COMPLETE THE NECESSARY WORK. LIQUIDATED DAMAGES SHALL BE DEDUCTED AS PER 108.07 FOR EVERY DAY BEYOND THE THIRTY DAY LIMIT. DEVIATIONS FROM THIS THIRTY DAY INTERVAL MAY BE GRANTED BY THE ENGINEER FOR CONDITIONS ARISING BEYOND THE CONTROL OF THE CONTRACTOR OR FOR UNUSUALLY LARGE REPAIRS. A WRITTEN MONTHLY REPORT SHALL BE SUBMITTED TO THE PROJECT ENGINEER, BY THE CONTRACTOR, SHOWING ALL WORK SCHEDULED AND ALL WORK COMPLETED. IN ANY MONTH WHERE NO WORK IS SCHEDULED OR COMPLETED, THE CONTRACTOR SHALL SIMPLY STATE AS SUCH IN THE MONTHLY REPORT.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DISPOSAL OF ALL REMOVED MATERIAL AND SHALL RESTORE ALL DISTURBED AREAS TO A CONDITION EQUAL TO THAT EXISTING BEFORE THE WORK WAS STARTED, AS PER 104.06.

WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE NATIONAL ELECTRIC CODE, STANDARD DRAWINGS, THE STATE OF OHIO CONSTRUCTION AND MATERIAL SPECIFICATIONS AND THESE PLANS.

IF THE CONTRACTOR'S WORK IS IMPROPERLY PERFORMED OR IF MATERIAL IS LOST, DAMAGED, OR IMPROPERLY USED OR INSTALLED, THE CONTRACTOR SHALL REPLACE THE MATERIAL AND PERFORM THE WORK PROPERLY AT THE CONTRACTOR'S EXPENSE.

IN THE EVENT THAT ANY OF THE ITEMS FAIL TO COMPLY WITH SPECIFICATION REQUIREMENTS, SUCH ITEMS WILL BE REJECTED.

MATERIALS

ALL MATERIAL UTILIZED SHALL BE EQUAL TO OR BETTER THAN THE ORIGINAL EQUIPMENT AND MEET CONSTRUCTION AND MATERIAL SPECIFICATIONS 713 & 732, UNLESS AN ALTERNATE IS APPROVED BY THE ENGINEER.

THE CONTRACTOR SHALL MAINTAIN A NINETY (90) DAY SUPPLY OF ALL MATERIAL UP TO THE LAST NINETY (90) DAYS OF THE CONTRACT AT WHICH TIME HE SHALL MAINTAIN ENOUGH STOCK TO FINISH THE CONTRACT. INVENTORY IS SUBJECT TO INSPECTION BY THE ENGINEER.

ALL MATERIAL IN STOCK AT THE END OF THE CONTRACT WILL BE THE PROPERTY OF THE CONTRACTOR AND WILL NOT BE PURCHASED BY THE STATE.

Kopnick@004CD125 - vdmnotes.rn - Monday March 19 2001 11:14:14 AM EST

QUANTITIES

THE QUANTITIES LISTED IN THIS CONTRACT ARE ESTIMATES ONLY. THE PAY ITEMS WILL BE USED ONLY AS NEEDED TO COMPLETE LOOP DETECTOR WORK ORDERS ISSUED BY THE ENGINEER. THE CONTRACTOR SHALL NOT RECEIVE AN ADJUSTED UNIT PRICE FOR DECREASED QUANTITIES OF WORK. NO ADJUSTMENTS OR PAYMENTS SHALL BE MADE TO THE CONTRACTOR FOR NON-PERFORMED OR ELIMINATED ITEMS.

SPECIFIC LOCATIONS AND USAGE OF ESTIMATED QUANTITIES IDENTIFIED IN THIS PLAN TO BE USED AS DIRECTED BY THE ENGINEER SHALL BE MADE A MATTER OF RECORD BY INCORPORATION INTO THE FINAL CHANGE ORDER GOVERNING COMPLETION OF THIS PROJECT. THE ESTIMATED QUANTITIES OF MATERIALS SHALL NOT BE ORDERED FOR DELIVERY TO THE PROJECT UNLESS AUTHORIZED BY THE ENGINEER.

TERM OF CONTRACT

THE TERM OF THE CONTRACT SHALL BE TWENTY-FOUR (24) MONTHS FROM THE DATE OF EXECUTION OF THE CONTRACT.

THE CONTRACTOR WILL BEGIN WORK ON SEPT. 30, 2001 OR LATER, AS DIRECTED BY THE ENGINEER. THIS DATE IS THE SCHEDULED COMPLETION DATE FOR THE 1999 WEST DETECTOR MAINTENANCE PROJECT [WDM-4-99].

UTILITIES NOTIFICATION

THE CONTRACTOR SHALL USE THE FOLLOWING PROCEDURE AT EACH LOCATION WHERE WORK IS PERFORMED, IN ACCORDANCE WITH SECTIONS 105.06 AND 107.17 IN THE CONSTRUCTION AND MATERIALS SPECIFICATIONS.

THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER, THE OHIO UTILITIES PROTECTION SERVICE (UOPS), THE OHIO & GAS PROCEDURES UNDERGROUND PROTECTION SERVICE (OGPUPS), THE OHIO DEPARTMENT OF TRANSPORTATION DISTRICT 4 HEADQUARTERS AND ALL NON REGISTERED UTILITY OWNERS AT LEAST TWO (2) WORKING DAYS PRIOR TO COMMENCING CONSTRUCTION OPERATIONS IN ALL AREAS.

OUPS 1-800-362-2764 (CONTACT LIMITED BASIS PARTICIPANTS DIRECTLY)

OGPUPS 1-800-925-0988

ODOT 330-297-0801 KEN GREENE EXT. 305

THE LOCATION OF EXISTING UNDERGROUND UTILITIES ARE NOT SHOWN ON THE PLANS, BUT CAN BE OBTAINED FROM THE OWNERS OF THE UTILITIES. THE CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO UTILITIES.

CONTRACT UPDATE

SIGNALS MAY BE ADDED TO OR DELETED FROM THE LIST OF SITES IN THE THREE COUNTIES IN ACCORDANCE WITH THE CHANGES TO THE INVENTORY.

SIGNAL MAINTENANCE PERSONNEL REQUIREMENTS

THE CONTRACTOR SHALL PROVIDE PERSONNEL AS PER PROPOSAL NOTE 621B-96.

LAWS AND REGULATIONS

THE CONTRACTOR SHALL FOLLOW STRICTLY THE SPECIFICATIONS OUTLINED IN THE CONTRACT AS WELL AS ANY INSTRUCTIONS REGARDING THE GENERAL SCOPE OF WORK TO BE PERFORMED AS GIVEN BY THE ENGINEER. AS TO ANY PART OF THE JOB NOT COVERED THEREBY, THE CONTRACTOR SHALL PERFORM ALL WORK IN ACCORDANCE WITH THE LAWS OF THE STATE OF OHIO, ALL MUNICIPAL ORDINANCE, ALL REGULATIONS AND REQUIREMENTS OF THE PUBLIC SERVICE COMMISSION, THE STANDARDS OF THE NATIONAL ELECTRIC CODE, BID PROPOSAL, PERTINENT ITEMS OF THE OHIO DEPARTMENT OF TRANSPORTATION CONSTRUCTION AND MATERIAL SPECIFICATIONS DATED JANUARY 1, 1997, STANDARD CONSTRUCTION DRAWINGS, AND THE OHIO MANUAL OF TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS, CURRENT EDITION, LATEST REVISION.

THE CONTRACTOR SHALL AGREE TO REPLACE AND/OR REPAIR WITHOUT ANY COST WHATSOEVER TO THE DEPARTMENT EVERY PART OF ANY JOB DONE BY THE CONTRACTOR IF WITHIN SIXTY (60) DAYS AFTER COMPLETION OF SUCH JOB, IT IS FOUND BY THE DEPARTMENT'S OFFICIALS TO HAVE BEEN DONE DEFECTIVELY OR TO HAVE BEEN PERFORMED IN ANY WAY AT VARIANCE WITH THE SPECIFICATIONS AND INSTRUCTIONS FURNISHED AND GIVEN BY THE ENGINEER OR IN A MANNER CONTRARY TO THE LAW, OR THE NATIONAL ELECTRIC CODE. THE ENGINEER WILL GIVE THE CONTRACTOR WRITTEN NOTICE OF DEFECTS OR VARIANCES IN THE WORK PERFORMED.

CONVERSION OF METRIC STANDARD DRAWINGS

THE METRIC STANDARD DRAWINGS REFERENCED IN THIS PLAN SHALL BE CONVERTED TO ENGLISH UNITS USING THE SI [METRIC] TO ENGLISH CONVERSION FACTORS PROVIDED IN SECTION 109.011 OF THE 1997 CONSTRUCTION AND MATERIALS SPECIFICATIONS. THE APPENDIX OF ASTM E 380 SHALL BE UTILIZED FOR ANY ADDITIONAL CONVERSION FACTORS REQUIRED. CONVERSIONS SHALL BE APPROPRIATELY PRECISE AND SHALL REFLECT STANDARD INDUSTRY ENGLISH VALUES WHERE SUITABLE.

GENERAL NOTES

POR-5-0-38  
[WDM-4-01]

EQUIPMENT

THE CONTRACTOR SHALL PROVIDE ALL VEHICLES AND EQUIPMENT NEEDED TO PERFORM THE WORK AS DESCRIBED HEREIN. AN EXAMPLE OF EQUIPMENT THE CONTRACTOR SHOULD PROVIDE IS AS FOLLOWS:

1. ENOUGH VEHICLES TO TRANSPORT ALL MATERIALS, EQUIPMENT, AND CREWS TO PERFORM THE WORK.
2. PAVEMENT CUTTING SAW.
3. A TRENCHER.
4. A FLASHING ARROW PANEL, TYPE "C" (SCD MT-35.10M & MT-35.11M)

ALL EQUIPMENT SHALL MEET THE REQUIREMENTS OF SECTION 108.05 OF THE CMS.

ALL VEHICLES WHICH ARE USED IN THE PERFORMANCE OF ANY WORK UNDER THIS CONTRACT SHALL BE IDENTIFIED WITH THE CONTRACTOR'S NAME AT ALL TIMES SUCH VEHICLES ARE ON THE PROJECT. THIS SHALL ALSO APPLY TO SELF-PROPELLED VEHICLES LEASED BY THE CONTRACTOR.

THE CONTRACTOR SHALL HAVE AN INSTRUMENT CAPABLE OF LOCATING UNDERGROUND PULL BOXES, AND A TEST INSTRUMENT CAPABLE OF CHECKING THE CONTINUITY OF A LOOP AND/OR LEAD-IN.

ITEM 632 LOOP DETECTOR TIE-IN

THIS WORK SHALL CONSIST OF MAKING CONNECTIONS TO EXISTING LOOP DETECTOR LEAD-IN WIRES WHETHER THAT CABLE BE UNDERGROUND OR AERIAL. INCLUDED IN THIS ITEM IS THE POURED EPOXY-TYPE CABLE SPLICE KIT (CONFORMING TO 713.15) THAT MUST BE USED IN MAKING THESE CONNECTIONS.

THIS ITEM IS ONLY NEEDED WHEN A TIE-IN SITUATION EXISTS. WHEN NEW LEAD-IN CABLE IS SPECIFIED BY THE ENGINEER, THE LOOP DETECTOR TIE-IN WORK SHALL BE INCLUDED IN THE PAY ITEM FOR THE LEAD-IN CABLE.

PAYMENT FOR THIS ITEM WILL INCLUDE ALL NECESSARY LABOR, MISCELLANEOUS HARDWARE, AND EQUIPMENT REQUIRED TO PROVIDE THE LOOP DETECTOR TIE-IN AND RESTORE THE UNIT TO NORMAL OPERATION.

PAYMENT WILL BE MADE AT CONTRACT UNIT PRICE PER EACH.

ITEM 632 LOOP DETECTOR LEAD-IN CABLE, INTEGRAL MESSENGER WIRE, TYPE, NO, 14 AWG, AS PER PLAN

THIS CABLE SHALL FUNCTION AS LEAD-IN CABLE FOR LOOP DETECTORS FED VIA AN AERIAL INSTALLATION. TO AVOID UNNECESSARY SPLICES, THE LENGTH OF THE CABLE FROM AN AERIAL LOCATION THROUGH A POLE OR CONDUIT TO A PULL BOX OR CONTROLLER HOUSING SHALL BE THE SAME CABLE MINUS THE INTEGRAL MESSENGER WIRE.

THE INTEGRAL MESSENGER WIRE THAT SUPPORTS THE CABLE SHALL BE CUT AWAY AND REMOVED BEFORE THE CABLE IS LASHED TO AN EXISTING SPAN OR PULLED THROUGH A POLE OR CONDUIT. EXTREME CARE SHOULD BE USED IN CUTTING AWAY THIS LENGTH OF INTEGRAL MESSENGER WIRE SO AS NOT TO DAMAGE OR NICK THE INSULATION OF THE LEAD-IN CABLE. A SPECIAL SPLITTING TOOL FOR FIGURE "8" WIRE SHALL BE USED AND SUPPLIED BY THE CONTRACTOR TO DO THIS WORK. IF THE LEAD-IN CABLE (WITH THE INTEGRAL MESSENGER WIRE REMOVED) IS TO BE INSTALLED FROM ONE STRAIN POLE TO ANOTHER, THE CONTRACTOR SHALL INCORPORATE THE LEAD-IN CABLE WITH THE EXISTING MESSENGER WIRE BY REMOVING AND REPLACING THE EXISTING LASHING RODS OR BY FURNISHING AND INSTALLING NEW LASHING RODS, AFTER REMOVING THE EXISTING LASHING RODS.

ANY DAMAGE DONE TO THE INSULATION SHALL REQUIRE THE WHOLE LENGTH OF LEAD-IN CABLE TO BE REPLACED.

PAYMENT FOR REMOVING THIS LENGTH OF INTEGRAL MESSENGER WIRE SHALL BE INCIDENTAL TO THIS ITEM. PAYMENT WILL INCLUDE ALL NECESSARY LABOR, MISCELLANEOUS HARDWARE AND EQUIPMENT REQUIRED TO PROVIDE THIS ITEM OF WORK IN ACCORDANCE WITH SPECIFICATION 632.

PAYMENT WILL BE AT THE CONTRACT UNIT PRICE PER LINEAR FOOT.

ITEM 603 4 INCH CONDUIT, TYPE E

THIS ITEM SHALL CONSIST OF TRENCHING, FURNISHING MATERIALS AND INSTALLING A 4 INCH CONDUIT, TYPE E, UNDERDRAIN, AT EXISTING OR NEW PULL BOXES, AS DIRECTED BY THE ENGINEER. REFERENCES ARE MADE TO SCD HL-30.11M FOR DETAILS OF DRAINING PULL BOXES.

ON FLAT GROUND, A MINIMUM OF 20 FEET OF CONDUIT SHALL BE INSTALLED TO DRAIN THE PULL BOX.

PAYMENT WILL BE MADE AT THE CONTRACT UNIT PRICE PER LINEAR FOOT.

ITEM 632 - SIGNALIZATION, MISC.:REMOVE AND REINSTALL LASHING RODS

THIS WORK WILL REQUIRE THE CONTRACTOR TO CAREFULLY REMOVE THE LASHING RODS ACROSS AN EXISTING SIGNAL SPAN SO THAT NEW CABLE(S) CAN BE INSTALLED. AS THE CABLE(S) IS INSTALLED IT SHALL BE CAREFULLY LASHED WITH THE OTHER EXISTING CABLES UTILIZING THE REMOVED LASHING RODS.

PAYMENT FOR THIS ITEM OF WORK WILL BE LINEAL FOOT OF LASHING ROD REMOVED AND INCLUDE ALL LABOR AND EQUIPMENT, INCLUDING TRAFFIC CONTROL, TO PERFORM THE WORK DESCRIBED ABOVE.

ITEM 632 - SIGNALIZATION MISC.:REMOVE AND REPLACE LASHING RODS

THIS WORK WILL REQUIRE THE CONTRACTOR TO CAREFULLY REMOVE THE LASHING RODS ACROSS AN EXISTING SIGNAL SPAN SO THAT NEW CABLE(S) CAN BE INSTALLED. AS THE CABLE(S) IS INSTALLED IT SHALL BE CAREFULLY LASHED WITH THE OTHER EXISTING CABLES UTILIZING NEW CONTRACTOR FURNISHED LASHING RODS, MEETING THE REQUIREMENTS OF ITEM 732.18. THIS PAY ITEM WILL ONLY BE USED IF THE EXISTING LASHING RODS CANNOT ACCEPT NEW CABLE(S).

PAYMENT FOR THIS ITEM OF WORK WILL BE LINEAL FOOT OF LASHING ROD REPLACED AND INCLUDE ALL LABOR AND EQUIPMENT, INCLUDING TRAFFIC CONTROL, TO PERFORM THE WORK DESCRIBED ABOVE.

ITEM SPECIAL - PLASTIC CAUTION TAPE

THE LOCATION OF UNDERGROUND CONDUIT AND BURIED ELECTRICAL CABLES SHALL BE MARKED BY THE USE OF A CONTINUOUS IDENTIFYING TAPE BURIED IN THE TRENCH ABOVE THE LINE. THE IDENTIFYING TAPE SHALL BE AN INERT MATERIAL, APPROXIMATELY 6 INCHES WIDE COMPOSED OF POLYETHYLENE PLASTIC, HIGHLY RESISTANT TO ALKALIS, ACIDS, OR OTHER CHEMICAL COMPONENTS LIKELY TO BE ENCOUNTERED IN SOILS. THE TAPE SHALL BE BRIGHT RED WITH IDENTIFYING PRINTING "ELECTRIC" IN BLACK LETTERS, ON ONE SIDE ONLY. TAPE SHALL BE SUPPLIED IN CONTINUOUS ROLLS WITH THE IDENTIFYING LETTERING REPEATED CONTINUOUSLY THE FULL LENGTH OF THE TAPE. IDENTIFYING TAPE SHALL BE BURIED IN THE ELECTRIC LINE TRENCH WITH ONE STRIP APPROXIMATELY 6 TO 10 INCHES BELOW THE FINAL FINISHED GRADE. THE TAPE SHALL BE PLACED IN THE TRENCH WITH THE PRINTED SIDE UP AND SHALL BE ESSENTIALLY PARALLEL WITH THE FINISHED SURFACE. THE CONTRACTOR SHALL TAKE NECESSARY PRECAUTIONS TO INSURE THAT THE TAPE IS NOT PULLED, DISTORTED, OR OTHERWISE MISPLACED IN COMPLETING THE TRENCH BACKFILL. THE TAPE SHALL BE PAID FOR PER LINEAR FOOT OF ITEM SPECIAL - "PLASTIC CAUTION TAPE" COMPLETE AND IN PLACE.

ITEM 632 - DETECTOR LOOP, AS PER PLAN

IN ADDITION TO THE REQUIREMENTS OF 632.10, THE CONTRACTOR SHALL PROVIDE A POSITIVE AND EFFECTIVE MEANS FOR REMOVAL OF SOLID RESIDUE RESULTING FROM THE DRY BLADE CUTTING OF LOOP DETECTOR SLOTS IN THE PAVEMENT. THE RESIDUE SHALL BE REMOVED BY VACUUM OR OTHER EFFECTIVE MEANS, BEFORE IT IS BLOWN BY TRAFFIC ACTION OR WIND. THE LOOP SHALL BE CUT AS SHOWN ON STANDARD CONSTRUCTION DRAWING TC-82.10.

PAYMENT WILL BE MADE AT THE CONTRACT UNIT PRICE PER EACH.

ITEM 625 PULLBOX, REMOVED AND REPLACED, BY TYPE, AS PER PLAN

THIS ITEM OF WORK SHALL REQUIRE CAREFUL REMOVAL OF AN EXISTING DAMAGED OR NON-STANDARD PULL BOX AND THE INSTALLATION OF A NEW CONTRACTOR FURNISHED PULL BOX. EXTREME CARE SHOULD BE EXERCISED BY THE CONTRACTOR IN THE EXCAVATION AND THE REMOVAL OF THE EXISTING PULL BOX SO AS NOT TO DAMAGE THE EXISTING CONDUIT(S) AND/OR SIGNAL CABLE(S). THE CONTRACTOR SHALL ALSO FURNISH AND INSTALL, IF NECESSARY, ANY EXTENSION(S) TO THE EXISTING CONDUIT(S) TO INSURE PROPER ORIENTATION IN THE PULL BOX. THE EXTENSION(S) MAY BE PVC, OR RIGID CONDUIT MATERIAL, COMPATIBLE WITH THE EXISTING CONDUIT SIZE AND TYPE. IF THE EXISTING SIGNAL CABLE(S) MUST BE SEVERED TO INSTALL THE CONDUIT EXTENSION(S) THE CONTRACTOR SHALL ALSO FURNISH AND INSTALL A Poured EPOXY CABLE SPLICE KIT(S) CONFORMING TO THE REQUIREMENTS OF 713.15. IF THE SEVERING OF THE EXISTING CABLE WILL CAUSE A DISRUPTION TO THE OPERATION OF THE EXISTING TRAFFIC SIGNAL, THE CONTRACTOR SHALL PROVIDE FLAGGERS TO CONTROL TRAFFIC UNTIL THE SEVERED CABLE IS REPAIRED. PAYMENT FOR THIS ITEM WILL INCLUDE ALL LABOR, MATERIAL, AND EQUIPMENT REQUIRED TO PERFORM THE WORK AS DESCRIBED.

PAYMENT WILL BE MADE AT THE CONTRACT UNIT PRICE PER EACH.

ITEM 632 PIEZOCABLE, CLASS II, AXLE SENSOR (INSTALLATION ONLY)

THIS ITEM OF WORK SHALL CONSIST OF REMOVING AND DISPOSING OF A DEFECTIVE PIEZOCABLE AND INSTALLING A REPLACEMENT PIEZOCABLE. THE REPLACEMENT PIEZOCABLE MAY BE FURNISHED BY ODOT AND STORED AT DISTRICT 4 HEADQUARTERS IN RAVENNA, OHIO FOR PICK-UP BY THE CONTRACTOR. ALSO INCLUDED IN THE CONTRACTOR'S COST SHALL BE ANY CONNECTIONS, MISCELLANEOUS HARDWARE, WIRING, TESTING AND ANY OTHER INCIDENTALS NECESSARY TO RESTORE THE UNIT TO NORMAL OPERATION.

PAYMENT WILL BE MADE AT THE CONTRACT UNIT PRICE PER EACH.

ITEM 632 PIEZOCABLE, CLASS II, AXLE SENSOR

THIS ITEM OF WORK SHALL CONSIST OF REMOVING AND DISPOSING OF A DEFECTIVE PIEZOCABLE AND INSTALLING A REPLACEMENT PIEZOCABLE. ALSO INCLUDED IN THE CONTRACTOR'S COST SHALL BE ANY CONNECTIONS, MISCELLANEOUS HARDWARE, WIRING, TESTING AND ANY OTHER INCIDENTALS NECESSARY TO RESTORE THE UNIT TO NORMAL OPERATION.

PAYMENT WILL BE MADE AT THE CONTRACT UNIT PRICE PER EACH.

ITEM 614 MAINTAINING TRAFFIC

THE CONTRACTOR SHALL PROVIDE A PORTABLE FLASHING ARROW BOARD PER SCD MT-35.10M AND MT-35.11M. THIS APPARATUS SHALL BE USED FOR SAFETY PROTECTION TO WORKERS, EQUIPMENT, AND THE TRAVELING PUBLIC. NO PORTABLE FLASHING ARROW SHALL BE USED WHEN WORKING ON A TWO (2) LANE, TWO (2) WAY ROADWAY.

THE INTENT IS TO PERFORM THE REQUIRED WORK WITH THE LEAST INCONVENIENCE TO, AND THE MAXIMUM SAFETY TO, THE CONTRACTOR AND THE TRAVELING PUBLIC. ANY VARIANCE FROM THESE MAINTENANCE OF TRAFFIC NOTES MUST BE APPROVED IN ADVANCE IN WRITING BY THE ENGINEER. EXCEPT AS MODIFIED BELOW, THE REQUIREMENTS FOR MAINTENANCE OF TRAFFIC AS INDICATED IN THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS (OMUTCD) AND PERTINENT ITEMS OF THE SPECIFICATIONS AND PROPOSALS SHALL APPLY.

REFERENCE IS MADE TO THE STANDARD CONSTRUCTION DRAWINGS MT-97.10M, MT-95.30M, MT-95.31M, MT-95.32M AND THE OMUTCD PLATES C-11 AND C-12.

THE CONTRACTOR SHALL ARRANGE HIS OPERATION AS TO MINIMIZE ANY INTERFERENCE WITH THE TRAVELING PUBLIC. TRAFFIC SHALL BE MAINTAINED ON THE EXISTING PAVEMENT WITHOUT INTERRUPTION, UNLESS APPROVED BY THE ENGINEER. ALL VEHICLES, EQUIPMENT, WORKERS AND THEIR ACTIVITIES ARE RESTRICTED AT ALL TIMES TO ONE (1) SIDE OF THE PAVEMENT AT A TIME UNLESS OTHERWISE APPROVED BY THE ENGINEER.

TRAFFIC SHALL BE MAINTAINED IN A UNIFORM PATTERN THROUGHOUT THE ENTIRE LENGTH OF THE PROJECT AND IS NOT TO BE SUBJECTED TO CONSTANT LANE SHIFTING. THE CONTRACTOR SHALL ARRANGE TRAFFIC CONTROL DEVICES SO TRAFFIC TO AND FROM THE FREEWAY IS MAINTAINED AT ALL TIMES. THE CONTRACTOR WILL BE REQUIRED TO PROVIDE, ERECT AND MAINTAIN IN PROPER POSITION, CLEAN, LEGIBLE DEVICES IN GOOD WORKING CONDITION AND SUBSEQUENTLY REMOVE ALL LIGHTS, SIGNS, CONES, AND ALL OTHER TRAFFIC CONTROL DEVICES NECESSARY FOR THE MAINTENANCE OF TRAFFIC.

PLACEMENT OF ALL TRAFFIC CONTROL DEVICES SHALL START AND PROCEED IN THE DIRECTION OF THE FLOW OF TRAFFIC, REMOVAL OF TRAFFIC CONTROL DEVICES SHALL START AT THE END OF THE CONSTRUCTION AREA AND PROCEED TOWARD THE ONCOMING TRAFFIC. THE CONTRACTOR SHALL PROVIDE FOR INSTALLATION OF ALL NECESSARY TRAFFIC CONTROL DEVICES BEFORE BEGINNING WORK AND THEIR IMMEDIATE REMOVAL AS SOON AS WORK IS SUSPENDED OR COMPLETED.

WHEN PERFORMING WORK IN THE CENTER LANE, UNDER NO CIRCUMSTANCES WILL THE CENTER LANE BE CLOSED WITHOUT CLOSING ONE (1) OF THE ADJACENT LANES AND BERM.

ON TWO(2) LANE ROADWAYS TWO-WAY TRAFFIC SHALL BE MAINTAINED AT ALL TIMES. ONE(1) LANE CLOSURES MAY BE PERMITTED FOR MINIMUM PERIODS OF TIME WITH THE APPROVAL OF THE ENGINEER.

THE CONTRACTOR SHALL NOT CLOSE ANY LANES OR OTHERWISE IMPEDE THE FLOW OF TRAFFIC:

- A) DURING NATIONAL HOLIDAYS, MOTHERS DAY, AND EASTER
- B) HOLIDAY WEEKENDS. A "HOLIDAY WEEKEND" FOR TRAFFIC CONTROL PURPOSES IS TO BEGIN AT NOON ON THE LAST NORMAL WEEKDAY PROCEEDING THE HOLIDAY WEEKEND AND IS TO END AT NOON ON THE FIRST NORMAL WEEKDAY FOLLOWING THE WEEKEND. A DAY BETWEEN THE HOLIDAY AND SATURDAY OR SUNDAY IS CONSIDERED PART OF THE WEEKEND (I.E., THE FRIDAY AFTER THANKSGIVING).
- C) THE CONTRACTOR SHALL DO ABSOLUTELY NO WORK OR CLOSE ANY LANES OF TRAFFIC, IN ANY DIRECTION ON THE FOLLOWING ROUTES, DURING THE APPROPRIATE PEAK HOURS:

STARK COUNTY

I-77 FROM TUSCARAWAS COUNTY TO SR 800; SB LANES 3-9 PM FRIDAYS & NB LANES 5-10 PM SUNDAYS

I-77 FROM 4TH ST TO WHIPPLE AVE; 6 AM - 7 PM WEEKDAYS & 11 AM - 7 PM WEEKENDS, WEEK AFTER THANKSGIVING & WEEK BEFORE & AFTER CHRISTMAS

I-77 FROM WHIPPLE AVE TO SUMMIT COUNTY; 6 AM - 7 PM WEEKDAYS & NOON - 6 PM WEEKENDS, WEEK AFTER THANKSGIVING & WEEK BEFORE & AFTER CHRISTMAS

SUMMIT COUNTY

SR 8 FROM I-80 TO I-271; 7-9 AM AND 3-6 PM WEEKDAYS

I-76 FROM SR 21 TO BARBER RD; 7-9 AM AND 2-7 PM WEEKDAYS

I-76 FROM BARBER RD TO I-77; 6AM - 7PM WEEKDAYS

I-77 FROM STARK COUNTY TO SR 241; 6AM-7PM WEEKDAYS AND NOON-6PM WEEKENDS

I-77 FROM SR 241 TO I-277; 7-9 AM AND 2-7 PM WEEKDAYS (1 LANE), 6AM - 7PM (2 LANES) WEEKDAYS

I-77 FROM MILLER AVE TO CLEVELAND-MASSILLON RD; 6AM - 7PM WEEKDAYS, NOON - 6PM WEEKENDS

I-77 FROM SR 21 TO SR 18; 7-9AM & 2-7PM WEEKDAYS(1& 2 LANES), WEEK AFTER THANKSGIVING & WEEK BEFORE & AFTER CHRISTMAS

I-77 FROM SR 18 TO SR 176; 7-9 AM & 2-7 PM WEEKDAYS

- D) THE CONTRACTOR SHALL DO ABSOLUTELY NO WORK OR CLOSE ANY LANES OF TRAFFIC, ON THE FOLLOWING ROUTES DURING THE STATED EVENTS:

STARK COUNTY - HALL OF FAME WEEK

US 62 FROM CANTON CORP TO HARMONT AVE

I-77 FROM 4TH STREET TO SUMMIT COUNTY

SUMMIT COUNTY - PGA GOLF TOURNAMENT (@ FIRESTONE)

I-76 FROM SR 21 TO I-77

I-77 FROM SR 241 TO I-277

I-277

WEEKEND AND/OR NIGHT WORK SHALL REQUIRE PRIOR APPROVAL BY THE ENGINEER/SUPERVISOR.

PAYMENT FOR ALL OF THE ABOVE INCLUDING PROVIDING, ERECTING, MAINTAINING, AND REMOVING ALL LIGHTS, SIGNS BARRICADES, DRUMS, CONES, AND ALL OTHER TRAFFIC CONTROL DEVICES, SHALL BE INCLUDED IN THE LUMP SUM BID FOR ITEM 614 MAINTAINING TRAFFIC.

LAW ENFORCEMENT OFFICER WITH PATROL CAR

IN ADDITION TO THE REQUIREMENTS OF 614 AND THE CURRENT EDITION, LATEST REVISION OF THE OHIO MANUAL OF UNIFORM TRAFFIC DEVICES (OMUTCD), THE CONTRACTOR SHALL PROVIDE THE SERVICE OF LAW ENFORCEMENT OFFICERS (LEO) WITH AN OFFICIAL PATROL CAR WITH WORKING TOP MOUNTED EMERGENCY FLASHING LIGHTS, AT THE ENGINEER'S REQUEST, FOR THE PURPOSE OF CONTROLLING TRAFFIC FOR THE FOLLOWING TASKS:

FOR LANE CLOSURES: DURING INITIAL SET-UP PERIODS, SUBSTANTIAL SHIFTS OF A CLOSURE POINT OR WHEN NEW LANE CLOSURE ARRANGEMENTS ARE INITIATED.

DURING THE ENTIRE ADVANCE PREPARATION AND CLOSURE SEQUENCE WHERE COMPLETE BLOCKAGE OF TRAFFIC IS REQUIRED.

THE LEO'S ARE CONSIDERED TO BE EMPLOYED BY THE CONTRACTOR AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR THEIR ACTIONS. ALTHOUGH THEY ARE EMPLOYED BY THE CONTRACTOR, THE PROJECT ENGINEER SHALL HAVE CONTROL OVER THEIR PLACEMENT. THE OFFICIAL PATROL CAR SHALL BE A PUBLIC SAFETY VEHICLE AS REQUIRED BY THE OHIO REVISED CODE.

INFORMATION REGARDING ARRANGEMENTS AND PAYMENTS BY THE CONTRACTOR FOR THE LEO MAY BE OBTAINED BY CONTACTING THE APPROPRIATE PATROL POST IN PORTAGE, STARK OR SUMMIT COUNTY.

<u>Portage County</u> Ravenna Patrol Post 6259 State Route 14 Ravenna, OH 44266 phone: (330) 297-1441	<u>Stark County</u> Massillon Patrol Post 4300 Lincoln Way West Massillon, OH 44647 phone: (330) 833-1055	<u>Summit County</u> Akron Patrol Post 4152 State Road Cuyahoga Falls, OH 44223 phone: (330) 928-1185
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IF AFTER CONTACTING THE OHIO HIGHWAY PATROL, IT IS DETERMINED THAT THEY CANNOT SUPPLY THE LEO, THEN AN AUTHORIZED MUNICIPAL OR COUNTY POLICE OFFICER EQUIPPED WITH A MARKED AND FLASHER-LIGHT EQUIPPED OFFICIAL POLICE OR PATROL CAR SHALL BE PROVIDED.

LEO'S WITH PATROL CAR REQUIRED BY THE TRAFFIC MAINTENANCE TASKS ABOVE SHALL BE PAID FOR ON A UNIT PRICE (HOURLY) BASIS UNDER ITEM 614- LAW ENFORCEMENT OFFICER WITH PATROL CAR. THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY:

ITEM 614 - LAW ENFORCEMENT OFFICER WITH PATROL CAR 40 HOURS

THE HOURS PAID SHALL INCLUDE MINIMUM SHOW-UP TIME REQUIRED BY THE LAW ENFORCEMENT AGENCY INVOLVED.

IF THE CONTRACTOR WISHES TO UTILIZE LEO'S FOR FLAGGING AND TRAFFIC CONTROL OTHER THAN FOR THAT REQUIRED IN THESE PLANS, HE MAY DO SO AT HIS OWN EXPENSE. PAYMENT FOR THE EXCESS ABOVE THE CONTRACT REQUIREMENTS WILL BE INCLUDED UNDER ITEM 614 MAINTAINING TRAFFIC.

METHOD OF PAYMENT

PAYMENT FOR THE MAINTENANCE OF TRAFFIC ITEMS, UNLESS SPECIFIED SEPARATELY, SHALL BE AT THE LUMP SUM PRICE BID FOR ITEM- 614 MAINTAINING TRAFFIC, WHICH SHALL INCLUDE ALL LABOR, EQUIPMENT AND INCIDENTALS TO COMPLETE THE WORK AS DETAILED IN THE PLANS.

ITEM 614 MAINTAINING TRAFFIC LUMP SUM

kopnick@DORCI25 - wdmgsum.m - Monday March 19 2001 11:15:24 AM EST

REF NO.	ITEM	TOTAL QUANTITY	UNIT	ITEM EXT.	DESCRIPTION *TYPE	APP SHT.
	603	100	LIN.FT.	00400	4 INCH CONDUIT, TYPE "E"	7
	625	1500	LIN.FT.	25300	CONDUIT, 1½ INCH, 713.04	
	625	300	LIN.FT.	25500	CONDUIT, 3 INCH, 713.04	
	625	100	LIN.FT.	25900	CONDUIT, JACKED OR DRILLED, 1½"	
	625	100	LIN.FT.	25900	CONDUIT, JACKED OR DRILLED, 3"	
	625	2500	LIN.FT.	29000	TRENCH	
	625	20	LIN.FT.	29500	TRENCH IN PAVED AREAS, TYPE "A"	
	625	20	LIN.FT.	29600	TRENCH IN PAVED AREAS, TYPE "B"	
	625	40	EACH	30700	PULLBOX, 713.08, 18"	
	625	8	EACH	31507	PULLBOX REMOVED AND REPLACED, 713.08, AS PER PLAN	8
	625	5	EACH	31507	PULLBOX REMOVED AND REPLACED, 713.09, AS PER PLAN	8
	SPECIAL	2500	LIN.FT.	62536000	PLASTIC CAUTION TAPE	8
	632	75	EACH	26501	DETECTOR LOOP, AS PER PLAN	8
	632	25	EACH	27200	LOOP DETECTOR TIE-IN	7
	632	6	EACH	27300	PIEZOCABLE CLASS II, AXLE SENSOR	8
	632	4	EACH	27300	PIEZOCABLE CLASS II, AXLE SENSOR, (INSTALLATION ONLY)	8
	632	200	LIN.FT.	30000	MESSENGER WIRE, 3 STRAND, ¼" DIA., WITH ACCESSORIES	
	632	4000	LIN.FT.	65203	LOOP DETECTOR LEAD-IN CABLE, INTEGRAL MESSENGER WIRE*, NO.14 AWG., AS PER PLAN	7
	632	5000	LIN.FT.	65300	LOOP DETECTOR LEAD-IN CABLE, 2-CONDUCTOR NO., 14 AWG.	
	632	15	EACH	70300	CONDUIT RISER, 1½ INCH DIAMETER	
	632	250	LIN.FT.	90500	SIGNALIZATION MISC.:REMOVE AND REINSTALL LASHING ROD	7
	632	350	LIN.FT.	90500	SIGNALIZATION MISC.:REMOVE AND REPLACE LASHING ROD	8
	614	LUMP		11000	MAINTAINING TRAFFIC	
	614	40	HOUR	11100	LAW ENFORCEMENT OFFICER WITH PATROL CAR	10
	624	LUMP		10000	MOBILIZATION	
	806	24	MONTH	16000	FIELD OFFICE, TYPE "A"	

**GENERAL SUMMARY**

POR-5-0.38  
[WDM-4-01]

