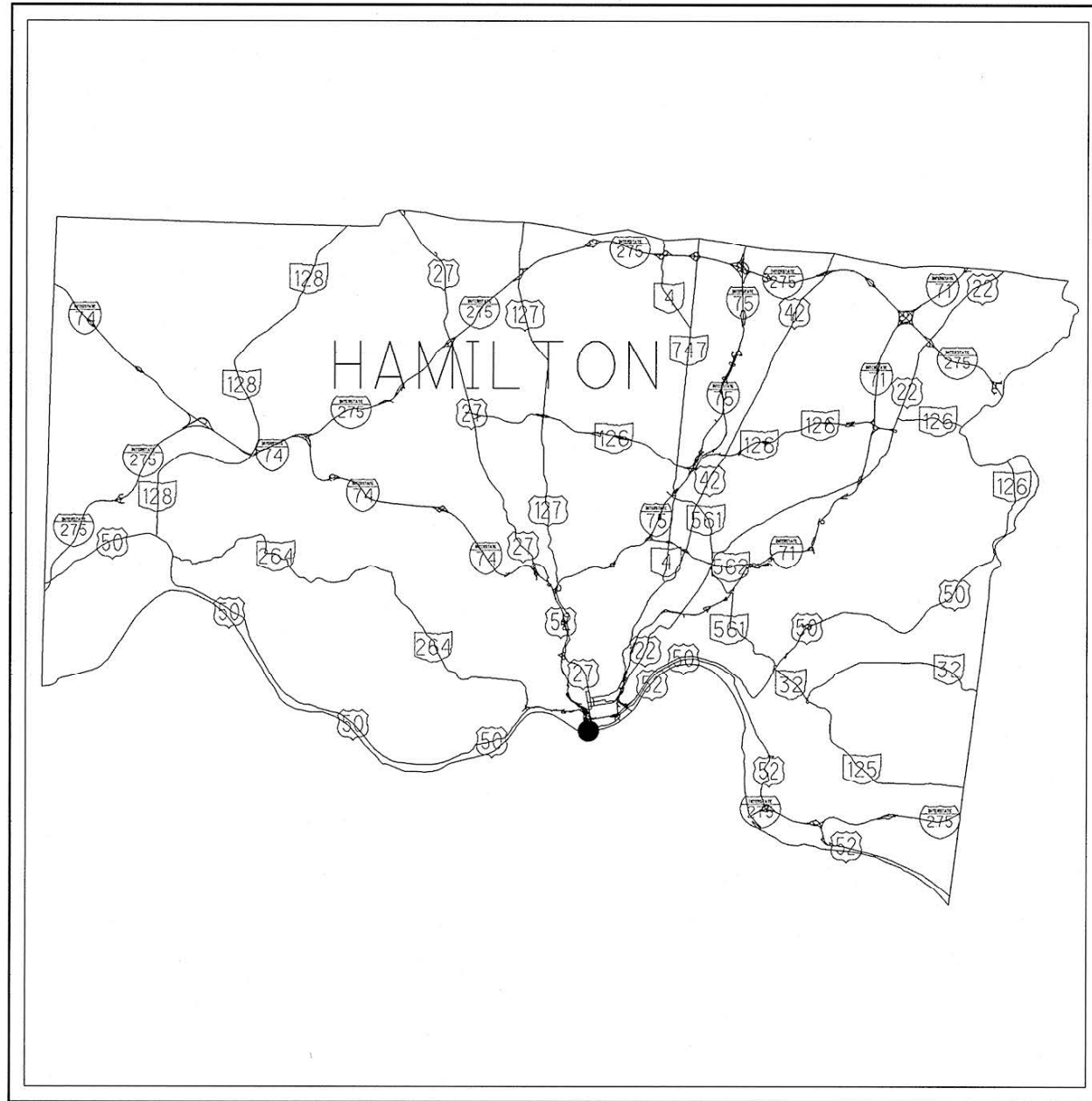


168017 Conformed Set
Dist 8



LOCATION MAP

LATITUDE: N39°13'08" LONGITUDE: W84°31'05"

STATE OF OHIO
DEPARTMENT OF TRANSPORTATION

HAM-BC-FY2016

BRIDGE CLEANING HAMILTON COUNTY, OHIO

INDEX OF SHEETS:

TITLE SHEET	1
MAINTENANCE OF TRAFFIC	2-3
GENERAL SUMMARY	4
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PROJECT DESCRIPTION

CLEAN EXPANSION JOINTS, BEAM SEATS AND DRAINAGE SYSTEMS FOR NUMEROUS PRIORITY ROUTE BRIDGES IN HAMILTON COUNTY.

PROJECT EARTH DISTURBED AREA: 0 ACRES
ESTIMATED CONTRACTOR EARTH DISTURBED AREA: 0 ACRES
NOTICE OF INTENT EARTH DISTURBED AREA: 0 ACRES
N/A BRIDGE MAINTENANCE

LIMITED ACCESS

THIS IMPROVEMENT IS ESPECIALLY DESIGNED FOR THROUGH TRAFFIC AND HAS BEEN DECLARED A LIMITED ACCESS HIGHWAY OR FREEWAY BY ACTION OF THE DIRECTOR IN ACCORDANCE WITH THE PROVISIONS OF SECTION 5511.02 OF THE OHIO REVISED CODE.

2016 SPECIFICATIONS

THE STANDARD SPECIFICATIONS OF THE STATE OF OHIO, DEPARTMENT OF TRANSPORTATION, INCLUDING CHANGES AND SUPPLEMENTAL SPECIFICATIONS LISTED IN THE PROPOSAL SHALL GOVERN THIS IMPROVEMENT.

I HEREBY APPROVED THESE PLANS AND DECLARE THAT THE MAKING OF THIS IMPROVEMENT WILL NOT REQUIRE THE CLOSING TO TRAFFIC OF THE HIGHWAY AND THAT PROVISIONS FOR THE MAINTENANCE AND SAFETY OF TRAFFIC WILL BE AS SET FORTH ON THE PLANS AND ESTIMATES.

FEDERAL PROJECT NO.
E160 (097)

PID NO.
101364


CONSTRUCTION PROJECT NO.

RAILROAD INVOLVEMENT
NONE

HAM-BC-FY2016

1
12

UNDERGROUND UTILITIES
CONTACT BOTH SERVICES TWO WORKING DAYS BEFORE YOU DIG.

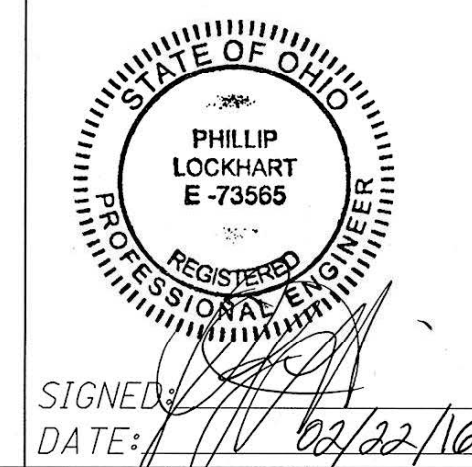


OHIO Utilities Protection SERVICE
(Non-members must be called directly)
Call Before You Dig
1-800-362-2764

OIL & GAS PRODUCERS UNDERGROUND PROTECTION SERVICE
1-800-925-0988

PLAN PREPARED BY:
OHIO DEPARTMENT OF TRANSPORTATION
DISTRICT 8 ENGINEERING
BRIDGE DEPARTMENT

ENGINEERS SEAL:



STANDARD CONSTRUCTION DRAWINGS				SUPPLEMENTAL SPECIFICATIONS	SPECIAL PROVISIONS
MT 95.30	07/18/14			800 4/15/2016	
MT 95.31	07/18/14			832 1/17/2015	
MT 95.32	07/18/14				
MT 97.10	07/18/14				
MT 97.20	01/15/16				
MT 98.10	07/18/14				
MT 98.11	07/18/14				
MT 98.20	07/18/14				
MT 98.22	07/18/14				
MT 98.28	07/18/14				
MT 98.29	07/19/13				
MT 95.50	10/16/15				

APPROVED: *Tammy K. Campbell*
DATE: 2/22/16 DISTRICT DEPUTY DIRECTOR

APPROVED: _____
DATE: _____ DIRECTOR, DEPARTMENT OF TRANSPORTATION

ITEM 614 MAINTENANCE OF TRAFFIC

BEFORE WORK BEGINS, THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER THE NAMES AND TELEPHONE NUMBERS OF PERSONS WHO CAN BE CONTACTED 24 HOURS A DAY BY THE OHIO DEPT. OF TRANSPORTATION AND ALL INTERESTED POLICE AGENCIES. THESE PERSONS SHALL BE RESPONSIBLE FOR PLACING OR REPLACING NECESSARY TRAFFIC CONTROL DEVICES TO MAINTAIN THE TRAVELED PAVEMENT SAFELY.

ALL EXISTING LANES OF TRAFFIC IN EACH DIRECTION SHALL BE MAINTAINED AT ALL TIMES, EXCEPT AS PERMITTED BY THE PERMITTED LANE CLOSURE TIMES NOTE, BY USE OF THE EXISTING PAVEMENT.

TRAFFIC IS TO BE MAINTAINED IN A UNIFORM PATTERN THROUGHOUT THE ENTIRE LENGTH OF THE PROJECT AND NOT TO BE SUBJECTED TO CONSTANT LANE SHIFTS. THE MAXIMUM LENGTH OF A LANE CLOSURE SHALL BE TWO AND ONE-HALF (2 - 1/2) MILES. WORK CAN BE PERFORMED SIMULTANEOUSLY IN BOTH DIRECTIONS OF INSIDE LANES, PROVIDED THE OPERATIONS DO NOT INTERFERE WITH EACH OTHER. A MINIMUM DISTANCE OF TWO (2) MILES BETWEEN LANE CLOSURES IN ONE DIRECTION SHALL BE MAINTAINED.

THE CONTRACTOR SHALL ARRANGE HIS OPERATIONS SO AS TO MINIMIZE INTERFERENCE TO THE CONTINUOUS FLOW OF TRAFFIC. ALL VEHICLES, EQUIPMENT, MEN, AND THEIR ACTIVITIES ARE RESTRICTED AT ALL TIMES TO ONE SIDE OF THE PAVEMENT, UNLESS OTHERWISE APPROVED BY THE ENGINEER.

WHERE THE CONTRACTOR'S OPERATIONS ARE CONFINED ENTIRELY TO THE SHOULDER, TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES, FIGURE 6H-5. SHOULDER WORK SHALL FOLLOW THE PERMITTED LANE CLOSURE TIMES SHOWN ON THIS SHEET.

NO WORK SHALL BE PERFORMED AND ALL EXISTING LANES SHALL BE OPEN TO TRAFFIC DURING THE FOLLOWING DESIGNATED HOLIDAYS OR EVENTS:

- CHRISTMAS
- FOURTH OF JULY
- NEW YEARS
- LABOR DAY
- MEMORIAL DAY
- THANKSGIVING

THE PERIOD OF TIME THAT THE LANES ARE TO BE OPEN DEPENDS ON THE DAY OF THE WEEK ON WHICH THE HOLIDAY OR EVENT FALLS. THE FOLLOWING SCHEDULE SHALL BE USED TO DETERMINE THIS PERIOD:

DAY OF HOLIDAY OR EVENT	TIME ALL LANES MUST BE OPEN TO TRAFFIC
SUNDAY	12:00N FRIDAY THROUGH (6:00 AM OR 12:00N) MONDAY
MONDAY	12:00N FRIDAY THROUGH (6:00 AM OR 12:00N) TUESDAY
TUESDAY	12:00N MONDAY THROUGH (6:00 AM OR 12:00N) WEDNESDAY
WEDNESDAY	12:00N TUESDAY THROUGH (6:00 AM OR 12:00N) THURSDAY
THURSDAY	12:00N WEDNESDAY THROUGH (6:00 AM OR 12:00N) FRIDAY
THURSDAY (THANKSGIVING ONLY)	12:00N WEDNESDAY THROUGH (6:00 AM OR 12:00N) MONDAY
FRIDAY	12:00N THURSDAY THROUGH (6:00 AM OR 12:00N) MONDAY
SATURDAY	12:00N FRIDAY THROUGH (6:00 AM OR 12:00N) MONDAY

NO EXTENSIONS OF TIME SHALL BE GRANTED FOR DELAYS IN MATERIAL DELIVERIES, UNLESS SUCH DELAYS ARE INDUSTRY-WIDE, OR FOR LABOR STRIKES, UNLESS SUCH STRIKES ARE AREA-WIDE. SHOULD THE CONTRACTOR FAIL TO MEET ANY OF THESE REQUIREMENTS, THE CONTRACTOR SHALL BE ASSESSED A DISINCENTIVE IN THE AMOUNT OF \$100 FOR EACH MINUTE THE ABOVE DESCRIBED LANE CLOSURE RESTRICTIONS ARE VIOLATED.

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.

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.

FLOODLIGHTING

FLOODLIGHTING OF THE WORK SITE FOR OPERATIONS CONDUCTED DURING NIGHTTIME PERIODS SHALL BE ACCOMPLISHED SO THAT THE LIGHTS DO NOT CAUSE GLARE TO THE DRIVERS ON THE ROADWAY. TO ENSURE THE ADEQUACY OF THE FLOODLIGHT PLACEMENT, THE CONTRACTOR AND THE ENGINEER SHALL DRIVE THROUGH THE WORK SITE EACH NIGHT WHEN THE LIGHTING IS IN PLACE AND OPERATIVE PRIOR TO COMMENCING ANY WORK. IF GLARE IS DETECTED, THE LIGHT PLACEMENT AND SHIELDING SHALL BE ADJUSTED TO THE SATISFACTION OF THE ENGINEER BEFORE WORK PROCEEDS.

PAYMENT FOR ALL LABOR, EQUIPMENT AND MATERIALS SHALL BE INCLUDED IN THE LUMP SUM CONTRACT PRICE FOR ITEM 614, MAINTAINING TRAFFIC.

PERMITTED LANE CLOSURE TIMES

SHORT TERM LANE CLOSURES ARE THOSE WHICH ARE PERMITTED BY THE PERMITTED LANE CLOSURE NOTE. THESE TIMES SHALL NOT BE REVISED WITHOUT PRIOR APPROVAL FROM THE DISTRICT 8 WORK ZONE TRAFFIC CONTROL MANAGER. SHORT TERM LANE CLOSURES SHALL ONLY BE IMPLEMENTED WHEN WORK IS BEING CONTINUOUSLY PERFORMED IN THE LANE. THE CLOSURE SHALL BE REMOVED AS SOON AS POSSIBLE AFTER WORK HAS STOPPED. PERMITTED LANE CLOSURES SHALL ONLY BE ALLOWED DURING THE TIMES SPECIFIED IN THE LANE VALUE CONTRACT TABLE INCLUDED IN THESE PLANS.

LANE VALUE CONTRACT TABLE

DESCRIPTION OF CRITICAL LANE/RAMP TO BE MAINTAINED	RESTRICTED TIME PERIOD	TIME UNIT	DISINCENTIVE \$\$\$ PER TIME UNIT PER LANE
ALL LANES/RAMPS OPEN TO TRAFFIC	SEE PERMITTED LANE CLOSURE SCHEDULE	15 MINUTE PERIOD	\$1500
NON PLCM ROUTES	SHOULDER CLOSURES NOT PERMITTED 6 AM TO 9 AM AND 3 PM TO 7 PM; LANE CLOSURES NOT PERMITTED 6 AM TO 8 PM	15 MINUTE PERIOD	\$1500

THE PERMITTED LANE CLOSURE SCHEDULE IS LOCATED ON THE ODOT WEBSITE <http://plcm.dot.state.oh.us/>. THE LATEST REVISION, 14 DAYS PRIOR TO THE BID, SHALL BE IN EFFECT FOR THIS PROJECT.

CONSTRUCTION NOTIFICATION

THE CONTRACTOR WILL ADVISE THE PROJECT ENGINEER MINIMUM OF:

1. FOURTEEN (14) DAYS PRIOR TO THE START OF CONSTRUCTION ACTIVITIES AND/OR ROAD CLOSURES.
2. SEVEN (7) DAYS PRIOR TO LANE CLOSURES AND/OR SHIFTS IN TRAFFIC PATTERNS. THE PROJECT ENGINEER WILL FORWARD THIS INFORMATION TO THE FOLLOWING:
 1. DISTRICT PUBLIC INFORMATION OFFICER (PIO) BY FAX AT (513) 933-9472 OR EMAIL AT D08.PIO@dot.ohio.gov.
 2. DISTRICT PERMIT SECTION BY FAX AT (513) 933-9472 OR EMAIL AT Tom.makris@dot.ohio.gov.
 3. CENTRAL OFFICE SPECIAL HAUL PERMITS SECTION BY FAX AT (614) 728-4099 OR EMAIL AT hauling.permits@dot.ohio.gov.

THE PIO WILL, IN TURN, NOTIFY THE PUBLIC, THE LOCAL EMERGENCY SERVICES, AFFECTED SCHOOLS AND BUSINESSES, AND ANY OTHER IMPACTED LOCAL PUBLIC AGENCY OF ANY OF THE ABOVE MENTIONED ITEMS, VIA MEDIA SOURCES.

INTERIM COMPLETION DATE

AN INTERIM DATE OF COMPLETION FOR THIS CONTRACT IS SET 30 DAYS PRIOR TO THE FINAL COMPLETION DATE. ALL CONTRACT ITEMS OF WORK MUST BE COMPLETED BY THE INTERIM COMPLETION DATE. THE INTERIM DATE WILL BE SUBJECT TO LIQUIDATED DAMAGES AS INDICATED BY SECTION 108.07 OF THE CONSTRUCTION AND MATERIALS SPECIFICATIONS BOOK. REQUEST FOR TIME EXTENSIONS TO THE INTERIM COMPLETION DATE WILL BE PROCESSED AS PER SECTION 108.06 OF THE SPECIFICATIONS BOOK. THE PERIOD OF TIME BETWEEN THE INTERIM COMPLETION DATE AND FINAL COMPLETION DATE IS STRICTLY TO ALLOW FOR COMPLETION OF THE "PUNCH LIST" AND REMOVE THE FIELD OFFICES BY THE FINAL COMPLETION DATE WILL RESULT IN ASSESSMENT OF LIQUIDATED DAMAGES AS PER SECTION 108.07 OF THE SPECIFICATIONS BOOK.

A GRANTED TIME EXTENSION TO THE INTERIM COMPLETION DATE WILL NOT INCLUDE A CORRESPONDING EXTENSION TO THE FINAL COMPLETION DATE. EXTENSIONS OF TIME TO THE FINAL COMPLETION DATE WILL ONLY BE GRANTED IF IT CAN BE JUSTIFIED THAT NOT ENOUGH TIME EXIST TO COMPLETE THE PUNCH LIST ITEMS AND REMOVE THE PROJECT FIELD OFFICES PRIOR TO THE FINAL COMPLETION DATE.

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MAINTENANCE OF TRAFFIC NOTES

HAM - BC - FY 2016

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) 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 ----- 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 7 SIGN MONTH.

ITEM 614 LAW ENFORCEMENT OFFICER (WITH PATROL CAR) FOR ASSISTANCE DURING CONSTRUCTION OPERATIONS

USE OF LAW ENFORCEMENT OFFICERS (LEOS) BY CONTRACTORS OTHER THAN THE USES SPECIFIED BELOW WILL NOT BE PERMITTED AT PROJECT COST. LEOS SHOULD NOT BE USED WHERE THE ODOT INTENDS THAT FLAGGERS BE USED.

IN ADDITION TO THE REQUIREMENTS OF C&MS 614 AND THE ODOT, A UNIFORMED LEO WITH AN OFFICIAL PATROL CAR (CAR WITH TOP-MOUNTED EMERGENCY FLASHING LIGHTS AND COMPLETE MARKINGS OF THE APPROPRIATE LAW ENFORCEMENT AGENCY) SHALL BE PROVIDED FOR THE FOLLOWING TRAFFIC CONTROL TASKS:

1. DURING THE ENTIRE ADVANCE PREPARATION AND CLOSURE SEQUENCE WHERE COMPLETE BLOCKAGE OF TRAFFIC IS REQUIRED.
2. DURING A TRAFFIC SIGNAL INSTALLATION WHEN IMPACTING THE NORMAL FUNCTION OF THE SIGNAL OR THE FLOW OF TRAFFIC, OR WHEN TRAFFIC NEEDS TO BE DIRECTED THROUGH AN ENERGIZED TRAFFIC SIGNAL CONTRARY TO THE SIGNAL DISPLAY (E.G., DIRECTING MOTORISTS THROUGH A RED LIGHT).

IN ADDITION TO THE REQUIREMENT OF C&MS 614 AND THE ODOT, A UNIFORMED LEO WITH AN OFFICIAL PATROL CAR (CAR WITH TOP-MOUNTED EMERGENCY FLASHING LIGHTS AND COMPLETE MARKINGS OF THE APPROPRIATE LAW ENFORCEMENT AGENCY) SHOULD BE PROVIDED FOR THE FOLLOWING TRAFFIC CONTROL TASKS AS APPROVED BY THE ENGINEER:

1. FOR LANE CLOSURES: DURING INITIAL SET-UP PERIODS, TEAR DOWN PERIODS, SUBSTANTIAL SHIFTS OF A CLOSURE POINT OR WHEN NEW LANE CLOSURE ARRANGEMENTS ARE INITIATED FOR LONG-TERM LANE CLOSURES/SHIFTS (FOR THE FIRST AND LAST DAY OF MAJOR CHANGES IN TRAFFIC CONTROL SETUP).

IN GENERAL, LEOS SHOULD BE POSITIONED IN ADVANCE OF AND ON THE SAME SIDE AS THE LANE RESTRICTION OR AT THE POINT OF ROAD CLOSURE, AND TO MANUALLY CONTROL TRAFFIC MOVEMENTS THROUGH SIGNALIZED INTERSECTIONS IN WORK ZONES.

LEOS SHOULD NOT FORGO THEIR TRAFFIC CONTROL RESPONSIBILITIES TO APPREHEND MOTORISTS FOR ROUTINE TRAFFIC VIOLATIONS. HOWEVER, IF A MOTORIST'S ACTIONS ARE CONSIDERED TO BE RECKLESS, THEN PURSUIT OF THE MOTORIST IS APPROPRIATE.

THE LEOS WORK AT THE DIRECTION OF THE CONTRACTOR. THE CONTRACTOR IS RESPONSIBLE FOR SECURING THE SERVICES OF THE LEOS WITH THE APPROPRIATE AGENCIES AND COMMUNICATING THE INTENTIONS OF THE PLANS WITH RESPECT TO DUTIES OF THE LEOS. THE ENGINEER SHALL HAVE FINAL CONTROL OVER THE LEOS' DUTIES AND PLACEMENT, AND WILL RESOLVE ANY ISSUES THAT MAY ARISE BETWEEN THE TWO PARTIES.

THE LEO SHALL REPORT IN TO THE CONTRACTOR PRIOR TO THE START OF THE SHIFT, IN ORDER TO RECEIVE INSTRUCTIONS REGARDING SPECIFIC WORK ASSIGNMENTS DURING HIS/HER SHIFT. THE LEO IS EXPECTED TO STAY AT THE PROJECT SITE FOR THE ENTIRE DURATION OF HIS/HER SHIFT. THE LEO SHALL REPORT TO THE CONTRACTOR AT THE END OF HIS/HER SHIFT. ONCE THE LEO HAS COMPLETED THE DUTIES DESCRIBED ABOVE AND STILL HAS TIME REMAINING ON HIS/HER SHIFT, THE LEO MAY BE ASKED TO PATROL THROUGH THE WORK ZONE (WITH FLASHING LIGHTS OFF) OR BE PLACED AT A LOCATION TO DETER MOTORISTS FROM SPEEDING. SHOULD IT BE NECESSARY TO LEAVE THE PROJECT SITE, THE LEO SHALL NOTIFY THE ENGINEER. THE CONTRACTOR SHALL PROVIDE THE LEO WITH A TWO-WAY COMMUNICATION DEVICE WHICH SHALL BE RETURNED TO THE CONTRACTOR AT THE END OF HIS/HER SHIFT.

LEOS (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) FOR ASSISTANCE. THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY.

ITEM 614, LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE 1000 HOURS THE HOURS PAID SHALL INCLUDE ANY MINIMUM SHOW-UP TIME REQUIRED BY THE LAW ENFORCEMENT AGENCY INVOLVED.

ANY ADDITIONAL COSTS (ADMINISTRATIVE OR OTHERWISE) INCURRED BY THE CONTRACTOR TO OBTAIN THE SERVICES OF AN LEO ARE INCLUDED WITH THE BID UNIT PRICE FOR ITEM 614, LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE.

EXISTING CONSTRUCTION PROJECT

AN INTERIM OF THIS CONTRACT MAY BE NON-PERFORMED IN AREAS THAT ARE UNDER CONSTRUCTION. THE ENGINEER SHALL DETERMINE THE AREAS THAT ARE TO BE NON-PERFORMED. THE ENGINEER SHALL ALSO, DETERMINE IF ONE OR BOTH PHASES ARE TO BE NON-PERFORMED.

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MAINTENANCE OF TRAFFIC NOTES

HAM-BC-FY2016

**ITEM 530 SPECIAL STRUCTURE MISC.:
CLEANING AND SWEEPING BRIDGES**

CONTRACTOR SHALL FURNISH ALL MATERIAL, EQUIPMENT, LABOR AND INCIDENTAL ITEMS NECESSARY TO PROPERLY REMOVE AND DISPOSE OF ALL DEBRIS AND OTHER FOREIGN MATERIAL BY POWER SWEEPING, SHOVELING, SCRAPING, ETC. FOLLOWED BY POWER WASHING WITH WATER. THE FOLLOWING AREAS OF THE BRIDGE ARE TO BE CLEANED:

1. DECK SHOULDER AND GUTTER AREAS INCLUDING CURBS, SIDEWALKS, RAILINGS AND PARAPETS INCLUDING PORTION EXTENDING OUT ONTO APPROACH SLABS.
2. BARRIER WALLS, PIERS AND COLUMNS LOCATED IN THE "SPASH ZONE".
3. ABUTMENT SEATS SHALL BE CLEANED ALONG WITH ALL AREAS WHERE DEBRIS HAS SPLASHED OR BLOWN ONTO THE BACKWALLS, BEAMS, ETC.
4. THE TOPS OF ALL WINGWALLS AND ALL BEARING DEVICES ARE TO BE SPRAYED OUT REMOVING ALL DEBRIS.
5. ALL SCUPPERS ARE TO BE SPRAYED OUT REMOVING ALL DEBRIS EXCEPT AS NOTED IN THE PLANS.
6. ALL BEAMS ARE TO BE CLEANED UNDER JOINTS.
7. PIER BEAM SEATS AND BEAMS SHALL BE CLEANED WHERE LOCATED BELOW EXISTING INTERMEDIATE DECK JOINTS.
8. CLEAN DEBRIS FROM ALL ABUTMENT AND INTERMEDIATE DECK EXPANSION JOINTS. JOINTS SHALL BE CLEANED FOR THE FULL WIDTH OF THE BRIDGE.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING THE WATER SUPPLY USED DURING THE SWEEPING AND CLEANING OPERATION. THE CONTRACTOR IS RESPONSIBLE FOR PROPER DISPOSAL OF ANY DEBRIS COLLECTED DURING HIS OPERATIONS. DISCHARGING TO OR COLLECTING WATER FROM STREAMS IS PROHIBITED. THE BRIDGE DECK SHALL BE SWEEPED AND CLEARED OF ROAD DEBRIS BEFORE POWER WASHING IT WITH WATER.

APPROPRIATE APRONS OR OTHER TECHNIQUES SHALL BE UTILIZED TO PROVIDE FOR COMPLETE CONTAINMENT OF ANY/ALL MATERIALS REMOVED DURING THE CLEANING OF BRIDGES OVER THE LITTLE MIAMI STATE AND NATIONAL SCENIC RIVER OR ONE OF ITS TRIBUTARIES. BRIDGES OVER THE LITTLE MIAMI STATE AND NATIONAL SCENIC RIVER SHALL BE SWEEPED ONLY AND NOT POWER WASHED. NOT TOXIC OR HAZARDOUS MATERIALS, WASTEWATER, OR DEBRIS OF ANY KIND SHALL BE DISCHARGED INTO THE RIVER OR ANY TRIBUTARY WATERCOURSES. ALL DEBRIS COLLECTED SHALL BE DISPOSED OF AT AN APPROPRIATE FACILITY ABOVE THE FEMA 100 YEAR FLOOD PLAIN OF THE LITTLE MIAMI STATE AND NATIONAL SCENIC RIVER.

PAYMENT FOR ALL OF THE ABOVE WILL BE MADE AT CONTRACT BID PRICE AS FOLLOWS:

ITEM 530 SPECIAL - STRUCTURE, MISC.: CLEANING OF INTERMEDIATE JOINTS AND INTERMEDIATE PIER BEAM SEATS

ITEM 530 SPECIAL - STRUCTURE, MISC.: CLEANING OF BACKWALLS, ABUTMENT SEATS, AND ABUTMENT JOINTS

ITEM 530 SPECIAL - STRUCTURE, MISC.: CLEANING OF PIERS

ITEM 530 SPECIAL - STRUCTURE, MISC.: CLEANING OF SHOULDER

CLEARING AND GRUBBING

ALTHOUGH THERE ARE NO TREES OR STUMPS SPECIFICALLY MARKED FOR REMOVAL WITHIN THE LIMITS OF THE PROJECT, A LUMP SUM QUANTITY HAS BEEN INCLUDED IN THE GENERAL SUMMARY FOR ITEM 201, CLEARING AND GRUBBING. ALL PROVISIONS AS SET FORTH IN THE SPECIFICATIONS UNDER THIS ITEM SHALL BE INCLUDED IN THE LUMP SUM PRICE BID FOR ITEM 201, CLEARING AND GRUBBING.

CONSTRUCTION NOTIFICATION

THE CONTRACTOR WILL ADVISE THE PROJECT ENGINEER A MINIMUM OF:

- FOURTEEN (14) DAYS PRIOR TO THE START OF CONSTRUCTION ACTIVITIES, AND/OR ROAD CLOSURES.
- SEVEN (7) DAYS PRIOR TO LANE CLOSURES AND/OR SHIFTS IN TRAFFIC PATTERNS.

THE PROJECT ENGINEER WILL FORWARD THIS INFORMATION TO THE FOLLOWING:

TEN BUSINESS DAYS PRIOR TO THE PRE-CONSTRUCTION MEETING THE PROJECT ENGINEER WILL NOTIFY THE CITY OF CINCINNATI LPA COORDINATOR OF THE PRECONSTRUCTION MEETING'S DATE, TIME, AND LOCATION. CONTACT CHRIS KELLY BY PHONE AT (513) 352-3721 OR BY EMAIL AT CHRIS.KELLY@CINCINNATI-OH.GOV.

A CITY OF CINCINNATI DEPARTMENT OF TRANSPORTATION AND ENGINEERING (DOTE) PERMIT IS REQUIRED PRIOR TO THE ODOT CONTRACTOR COMMENCING WORK IN THE CITY OF CINCINNATI'S PUBLIC RIGHT-OF-WAY. PERMIT APPLICATIONS FOR STREET USE, STREET BARRICADE, STREET OPENING, ETC. MAY BE MADE AT THE BUSINESS DEVELOPMENT AND PERMIT CENTER LOCATED AT 805 CENTRAL AVENUE, SUITE 500 CINCINNATI, OHIO 45202 OR AT ROOM 425, CITY HALL, 801 PLUM STREET CINCINNATI, OHIO 45202.

DISTRICT PUBLIC INFORMATION OFFICER (PIO) BY FAX AT (513) 933-9472 OR EMAIL AT D08.PIO.FORM@DOT.OHIO.GOV

DISTRICT PERMIT SECTION BY FAX AT (513) 933-9472 OR EMAIL AT TOM.MAKRIS@DOT.OHIO.GOV

CENTRAL OFFICE SPECIAL HAUL PERMITS SECTION BY FAX AT (614) 728-4099 OR EMAIL AT HAULING.PERMITS@DOT.OHIO.GOV

THE PIO WILL, IN TURN, NOTIFY THE PUBLIC, THE LOCAL EMERGENCY SERVICES, AFFECTED SCHOOLS AND BUSINESSES, AND ANY OTHER IMPACTED LOCAL PUBLIC AGENCY OF ANY OF THE ABOVE MENTIONED ITEMS, VIA MEDIA SOURCES.

PARKING COORDINATION

THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING AND COORDINATING WITH THE PROPER ENTITIES AND OWNERS OF ALL PARKING AREAS THAT ARE ON, UNDERNEATH, OR NEAR ANY STRUCTURES WHERE WORK IS TO BE DONE AT LEAST 14 (FOURTEEN) DAYS PRIOR TO THE START OF ANY WORK.

PROTECTION OF ARTIMIS UTILITIY

THE CONTRACTOR SHALL TAKE CARE NOT TO DAMAGE THE CONDUIT OR DISRUPT THE SERVICE OF THE EXISTING ARTIMIS FIBER OPTIC CONDUIT ON ANY BRIDGE. IF DAMAGED OR DISRUPTED, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ARTIMIS POINT OF CONTACT. A PLAN OF CORRECTIVE ACTION SHALL THEN BE COORDINATED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REPAIR COSTS.

IF THE FIBER OPTIC CABLE LOCATED WITHIN THE CONDUIT IS DAMAGED, THE CONTRACTOR SHALL REPAIR THE FIBER OPTIC CABLE AS DIRECTED BY THE ARTIMIS POINT OF CONTACT. THESE REPAIRS SHALL BE MADE WITHIN 24 HOURS. ALL WORK AND MATERIALS SHALL BE IN ACCORDANCE WITH ARTIMIS REQUIREMENTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REPAIR COSTS.

THE PRIMARY ARTIMIS POINT OF CONTACT IS DENNY GRAY, 513-615-3766; JEFF SPADAFORÉ IS A SECONDARY ARTIMIS CONTACT, 513-564-6102.

ENVIRONMENTAL COMMITMENTS

IF CLEANING IS TO OCCUR FROM APRIL 1 TO SEPTEMBER 30, INSPECT THE AREA TO BE CLEANED FOR THE PRESENCE OF BATS OR SWALLOW NESTS PRIOR TO STARTING CLEANING OPERATIONS. IF BATS OR ACTIVE BIRD NESTS ARE PRESENT, WORK IS NOT TO OCCUR IN THE VICINITY OF THE BAT OR BIRD NEST.

REMOVE LARGE DEBRIS AND SCRAPE OTHER MATERIAL BY HAND PRIOR TO PRESSURE WASHING AS DIRECTED BY THE ENGINEER.

CONTRACTOR IS RESPONSIBLE FOR THE PROPER HANDLING, STORAGE, TESTING AND DISPOSAL OF ALL DEBRIS AND MATERIAL. DOCUMENTATION OF DISPOSAL OF THE MATERIAL AT AN APPROPRIATELY LICENSED SOLID WASTE FACILITY IS TO BE PROVIDED TO ODOT.

COLD-WATER PRESSURE WASHING SHALL BE UTILIZED TO PREVENT THE REMOVAL OF LEAD-BASED PAINT.

SOAPS AND DETERGENTS ARE NOT TO BE UTILIZED IN THE PRESSURE WASH WATER.

WHEN PRESSURE WASHING BRIDGES WHICH HAVE DOWNSPOUT SYSTEMS, THE INLETS TO THOSE DOWNSPOUT SYSTEMS SHOULD BE TEMPORARILY BLOCKED DURING THE PRESSURE WASHING OPERATION.

POWER WASHING STRUCTURE CONCRETE

POWER WASH THE ABUTMENTS, PIERS AND SUPERSTRUCTURES AS SHOWN IN THE PLANS TO REMOVE DIRT AND DEBRIS. MINIMUM WATER PRESSURE SHALL BE 1,500 PSI. CONTRACTOR SHALL NOT POWER WASH NEAR EXISTING UTILITIES OR BRIDGE ITEMS CONTAINING OR COATED WITH ASBESTOS OR TRANSITE.

DEBRIS REMOVAL

CONTRACTOR SHALL REMOVE AND PROPERLY DISPOSE OF DEBRIS IN ACCORDANCE WITH ALL ENVIRONMENTAL RESTRICTIONS AND PERMITS. DISCARD DEBRIS AT A LOCATION ABOVE THE ORDINARY HIGH WATER OF ANY NEARBY STREAMS.

PROTECTION OF EXISTING UTILITIES

THE EXISTING CONDUITS ON THE BRIDGE(S) SHALL REMAIN IN PLACE AND THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO PROTECT THE CONDUIT. ANY DAMAGE INCURRED ON THE CONDUITS DURING WORK SHALL BE REPAIRED AT THE EXPENSE OF THE CONTRACTOR. ALL COST OF PROTECTION IS INCIDENTAL TO ITEM 530.

NON-USE OF ASBESTOS-CONTAINING MATERIALS

THE CONTRACTOR SHALL AT NO TIME INCORPORATE ANY MATERIALS WHICH ARE COMPOSED OF OR CONTAIN ANY AMOUNTS OF ASBESTOS. THE SUBSTITUTION OF MATERIALS WHICH CONTAIN ANY AMOUNTS OF ASBESTOS WILL IN NO CIRCUMSTANCES BE ACCEPTABLE. UPON COMPLETION OF THE PROJECT, THE CONTRACTOR SHALL SUBMIT A WRITTEN STATEMENT OF CERTIFICATION ASSERTING THAT NO ASBESTOS CONTAINING MATERIALS WERE USED IN ANY PORTION OF THE CONSTRUCTION.

EXISTING STRUCTURE VERIFICATION

DETAILS AND DIMENSIONS SHOWN ON THESE PLANS PERTAINING TO THE EXISTING STRUCTURE HAVE BEEN OBTAINED FROM PLANS OF THE EXISTING STRUCTURE AND FROM FIELD OBSERVATIONS AND MEASUREMENTS. CONSEQUENTLY, THEY ARE INDICATIVE OF THE EXISTING STRUCTURE AND THE PROPOSED WORK BUT THEY SHALL BE CONSIDERED TENTATIVE AND APPROXIMATE. THE CONTRACTOR IS REFERRED TO CMS SECTIONS 102.05, 105.02 AND 513.04.

BASE CONTRACT BID PRICES UPON A RECOGNITION OF THE UNCERTAINTIES DESCRIBED ABOVE AND UPON A PREBID EXAMINATION OF THE EXISTING STRUCTURE. HOWEVER, THE DEPARTMENT WILL PAY FOR ALL PROJECT WORK BASED UPON ACTUAL DETAILS AND DIMENSIONS WHICH HAVE BEEN VERIFIED IN THE FIELD.

ENDANGERED BAT HABITAT REMOVAL

THE PROJECT IS LOCATED WITHIN THE KNOWN HABITAT RANGES OF THE FEDERALLY LISTED AND PROTECTED INDIANA BAT AND NORTHERN LONG-EARED BAT. NO TREES SHALL BE REMOVED UNDER THIS PROJECT FROM APRIL 1 THROUGH SEPTEMBER 30. ALL NECESSARY TREE REMOVAL SHALL OCCUR FROM OCTOBER 1 THROUGH MARCH 31. THIS REQUIREMENT IS NECESSARY TO AVOID AND MINIMIZE IMPACTS TO THESE SPECIES AS REQUIRED BY THE ENDANGERED SPECIES ACT. FOR THE PURPOSES OF THIS NOTE, A TREE IS DEFINED AS A LIVE, DYING, OR DEAD WOODY PLANT, WITH A TRUNK THREE INCHES OR GREATER IN DIAMETER AT A HEIGHT OF 4.5 FEET ABOVE THE GROUND SURFACE, AND WITH A MINIMUM HEIGHT OF 13 FEET.

ITEM 530 SPECIAL - STRUCTURE, MISC.: CLEANING OF GRATES/SCUPPERS

THIS ITEM CONSISTS OF REMOVING ALL DIRT AND DEBRIS FROM GRATES AND SCUPPERS THAT ARE NOT CONNECTED TO DOWNSPOUTS. SCUPPERS WITH DOWNSPOUTS SHALL BE TEMPORARILY BLOCKED IN SUCH A WAY THAT NO DISCHARGE ENTERS THE SYSTEM.

THE CONTRACTOR SHALL DETERMINE THE EXTENT OF WORK REQUIRED FOR THIS ITEM BY EXAMINATION OF EXISTING BRIDGE PLANS AND BY FIELD INVESTIGATION.

THE CONTRACTOR SHALL EXAMINE EACH BRIDGE TO DETERMINE WHICH SCUPPERS DRAINING TO DOWNSPOUTS ARE TO BE BLOCKED OFF DURING CLEANING OPERATIONS. THE CONTRACTOR'S SUPERINTENDENT SHALL ACCOMPANY THE ENGINEER IN MAKING A DETAILED EXAMINATION PRIOR TO BEGINNING THE WORK AND AGAIN AT THE COMPLETION OF THE WORK. NO SEPARATE PAYMENT WILL BE MADE TO THE CONTRACTOR TO COVER ANY COST FOR THIS EXAMINATION.

REMOVE AND PROPERLY DISPOSE OF ALL DIRT AND DEBRIS FROM THE BRIDGE SITE.

AT THE END OF EACH MAINTENANCE OF TRAFFIC PHASE, THE GRATES AND SCUPPERS WITHIN THAT WORK ZONE SHALL BE CLEANED OUT. THE CONTRACTOR SHALL ENSURE THAT THE GRATES AND SCUPPERS REMAIN CLEAN AND FREE OF ALL DEBRIS UNTIL ALL WORK UNDER THIS CONTRACT IS COMPLETE.

THE DEPARTMENT WILL PAY FOR THE COST OF ALL LABOR, MATERIALS AND EQUIPMENT NECESSARY AS FOLLOWS:

ITEM 530 SPECIAL - STRUCTURE, MISC.: CLEANING OF GRATES/SCUPPERS

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DESIGNED P.JL	CHECKED CAH	DRAWN REVISED	REVIEWED STRUCTURE FILE NUMBER VARIES
DATE 02/22/16			
DESIGN AGENCY STATE OF OHIO DEPT. OF TRANSPORTATION DISTRICT 8 - BRIDGE OFFICE			
GENERAL NOTES BRIDGE No: VARIES			
HAM-BC-FY2016 PID No. 101364			
1 / 8			
5 12			

SHEET NUMBER						PARTICIPATION			ITEM	ITEM EXT.	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
7	8	9	10	11		01/IMS/BR	02/NHS/BR							
111	64	120	195	66		409	147		530	00400	556	EACH	SPECIAL - STRUCTURE, MISC.: CLEANING OF INTERMEDIATE JOINTS AND INTERMEDIATE PIER BEAM SEATS	
64	82	84	72	46		264	84		530	00400	348	EACH	SPECIAL - STRUCTURE, MISC.: CLEANING OF BACKWALLS, ABUTMENT SEATS, AND ABUTMENT JOINTS	
149	175	241	243	190		743	255		530	00400	998	EACH	SPECIAL - STRUCTURE, MISC.: CLEANING OF GRATES/SCUPPERS	
158	66	110	195	82		423	188		530	00400	611	EACH	SPECIAL - STRUCTURE, MISC.: CLEANING OF PIERS	
21428	36819	18971	22385	15624		83544	31683		530	01300	115227	FT	SPECIAL - STRUCTURE, MISC.: CLEANING OF SHOULDER	

DESIGN AGENCY	STATE OF OHIO
	DEPT. OF TRANSPORTATION DISTRICT 8 - BRIDGE OFFICE
DATE	02/22/16
	STRUCTURE FILE NUMBER VARIES
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STRUCTURES GENERAL SUMMARY	
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HAM - BC - FY 2016	
PID No. 101364	
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BRIDGE INFORMATION (FOR INFORMATIONAL PURPOSES ONLY)													PAY QUANTITIES				
BRIDGE NAME	FUNDING	STRUCTURE FILE NUMBER	FEATURE INTERSECTED	OVER WATER (Y/N)	APPROX. BRIDGE LENGTH (FT)*	APPROX. BRIDGE WIDTH (FT)**	APPROX. BRIDGE SKEW (DEGREES)	NUMBER OF LANES	NUMBER OF RAMP LANES	NUMBER OF INTERMEDIATE JOINTS AND INTERMEDIATE PIER BEAM SEATS TO CLEAN (EACH)	NUMBER OF BACKWALLS, ABUTMENT SEATS, AND ABUTMENT JOINTS TO CLEAN (EACH)	NUMBER OF GRATES/SCUPPERS TO BE CLEANED (EACH)	NUMBER OF PIERS TO BE CLEANED (EACH)	LINEAR FEET OF SHOULDER TO CLEAN (FT)			
HAM	4	0266	IM	3100464	IR75	N	145.1	121.3	29	8	0	0	2	0	290.2		
HAM	22	0091	R	NHS	3100766	CUL ST; EGGLESTON AVE.	N	517	29.3	0	2	0	14	2	1	7	1034
HAM	22	0446		IM	3100839	IR71	N	229	85.3	29	5	0	1	2	8	1	458
HAM	22	1141		IM	3100901	IR71	N	348.5	106.5	45	8	0	3	2	6	3	697
HAM	22	1330		NHS	3100995	CROSS COUNTY HIGHWAY	N	198.5	71.2	10	4	0	3	2	8	3	397
HAM	22	1615		IM	3101053	IR 275	N	307.5	104.5	3	7	0	3	2	0	9	615
HAM	27	0358		NHS	3101533	BRIGHTON STREET	N	110	32	45	4	0	0	2	2	6	220
HAM	27	1408		NHS	3101738	IR275	N	298	90.3	15	6	0	3	2	22	3	596
HAM	27	1586	L	IM	3101746	C69 (BANK ROAD)	N	178	42.3	9	2	0	2	2	8	2	356
HAM	27	1586	R	NHS	3101770	C69 (BANK ROAD)	N	201.5	42.3	9	2	0	2	2	8	2	403
HAM	27	1687		NHS	3101789	C266 (KEMPER ROAD)	N	198	46.3	0	2	0	3	2	0	3	396
HAM	27	1839		NHS	3101835	C176 (E MIAMI RIVER ROAD)	N	266	36.3	2	2	0	3	2	10	3	532
HAM	32	0014		NHS	3102068	EASTERN AVE, NSRR, BCMT CIR	N	670	63	0	5	0	2	2	0	8	1340
HAM	32	0144	R	NHS	3102106	RAMP = SR32-WB, SR125-EB; SR32-EB	N	143	72.3	28	4	0	2	2	3	2	286
HAM	42	0235	R	NHS	3101207	RAMP = IR71-SB, US22-WB; IR71-SB	N	442	35.3	0	0	2	3	2	4	3	884
HAM	42	0257	R	IM	3101215	RMP = (FLORNC AVE-SB), IR71-SB	N	330	30.3	0	0	3	2	2	3	2	660
HAM	42	0329		IM	3101231	MCMILLAN STREET	N	122	60	0	4	0	0	2	4	0	244
HAM	42	1613		NHS	3102467	IR275	N	335.6	76.3	41	5	0	3	2	0	3	671.2
HAM	50	0532		NHS	3102610	BROWER ROAD	N	248.2	39.5	0	2	0	3	2	0	3	496.4
HAM	50	1954	L	NHS	3102874	HARRIET STREET	N	152	64.6	20	3	0	2	2	3	2	304
HAM	50	1954	R	NHS	3102882	HARRIET STREET	N	152	51.6	20	3	0	2	2	2	2	304
HAM	50	1961	L	NHS	3102912	NORFOLK SOUTHERN RR	N	223	65.5	7	3	0	4	2	5	4	446
HAM	50	1961	R	NHS	3102920	NORFOLK SOUTHERN RR	N	223	63.6	7	3	0	4	2	2	4	446
HAM	50	1976		NHS	3102971	FREEMAN AVENUE	N	706	69.1	4	4	0	10	2	10	10	1412
HAM	50	1980	L	NHS	3103005	NSRR; CSRR; LINN STREET	N	795	52.2	0	3	0	8	2	6	8	1590
HAM	50	1980	R	NHS	3103064	NSRR; CSRR; LINN STREET	N	784	52.2	0	3	0	7	2	9	7	1568
HAM	50	2013	L	NHS	3103099	GEST STREET; US50-W RAMP	N	227	67.2	4	4	0	2	2	4	2	454
HAM	50	2013	R	NHS	3103129	GEST STREET	N	205	57.2	4	4	0	2	2	3	2	410
HAM	50	2028	L	NHS	3103153	IR75; RAMP = IR75-SB, US50-EB	N	524	81	0	4	0	5	2	12	5	1048
HAM	50	2028	M	IM	3103161	IR75-SB, RAMP	N	494.9	32.5	34	0	1	3	2	1	3	989.8
HAM	50	2028	R	IM	3103188	IR75-SB	N	182	42.9	0	0	1	5	2	1	5	364
HAM	50	2064	L	IM	3103226	US42	N	758.3	34.3	0	0	1	5	2	4	5	1516.6
TOTALS CARRIED TO STRUCTURES GENERAL SUMMARY SHEET																	

* APPROACH SLABS NOT INCLUDED IN LENGTH SHOWN.
 ** BRIDGE WIDTH IS THE APPROXIMATE PERPENDICULAR MINIMUM WIDTH AND DOES NOT ACCOUNT FOR SKEWS, VARYING BRIDGE WIDTHS, * ETC. IT IS PROVIDED FOR INFORMATIONAL PURPOSES ONLY.

DESIGNED P/JL CHECKED CAH	DRAWN REVISED	REVIEWED STRUCTURE FILE NUMBER VARIES	DATE 02/22/16	DESIGN AGENCY STATE OF OHIO DEPT. OF TRANSPORTATION DISTRICT 8 - BRIDGE OFFICE
ESTIMATED QUANTITIES BRIDGE No: VARIES				HAM-BC-FY2016 PID No. 101364
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BRIDGE INFORMATION (FOR INFORMATIONAL PURPOSES ONLY)													PAY QUANTITIES					
BRIDGE NAME	FUNDING	STRUCTURE FILE NUMBER	FEATURE INTERSECTED	OVER WATER (Y/N)	APPROX. BRIDGE LENGTH (FT)**	APPROX. BRIDGE WIDTH (FT)**	APPROX. BRIDGE SKEW (DEGREES)	NUMBER OF LANES	NUMBER OF RAMP LANES	NUMBER OF INTERMEDIATE JOINTS AND INTERMEDIATE PIER BEAM SEATS TO CLEAN (EACH)	NUMBER OF BACKWALLS, ABUTMENT SEATS, AND ABUTMENT JOINTS TO CLEAN (EACH)	NUMBER OF GRATES/SCUPPERS TO BE CLEANED (EACH)	NUMBER OF PIERS TO BE CLEANED (EACH)	LINEAR FEET OF SHOULDER TO CLEAN (FT)				
HAM 50 2065		NHS 3103293	US42	N	916.9	44.7	0	0	2	5	2	3	5	1833.8				
HAM 50 2142	R	IM 3103102	BROADWAY, IR71-NB, RAMP K	N	850.7	44.3	0	0	2	3	2	3	3	1701.4				
HAM 50 2142	L	IM 3103110	BROADWAY, IR71-NB, RAMP K	N	794.6	44.3	0	0	2	4	2	3	4	1589.2				
HAM 50 2156		IM 3103137	IR71-NB	N	210.8	44.3	0	0	2	2	2	2	2	421.6				
HAM 50 2173	R	NHS 3103412	BUTLR, CULVR, EGGST, IR471, MONA	N	1,504.60	37.8	15	3	0	3	2	11	4	3009.2				
HAM 50 2173	L	NHS 3103420	BUTLR, CULVR, EGGST, IR471, MONA	N	1,278.20	52.8	14	3	0	3	2	11	4	2556.4				
HAM 50 2180		IM 3103390	IR471, RAMP, EGG, CUL	N	1,659.00	72	0	3	0	3	2	31	3	3318				
HAM 50 2181		NHS 3103404	BUTLER ST, PARKING AREA	N	194	25.1	0	3	0	3	2	3	3	388				
HAM 50 2195		NHS 3117553	RAMP, IR471-NB, US50-WB, MONA	N	366	25.8	0	2	0	3	2	3	3	732				
HAM 50 2198		NHS 3103374	MONASTERY ST; US50-WB RAMP	N	540.5	30.3	0	2	0	3	2	4	3	1081				
HAM 50 2218		NHS 3103579	RELIEF	N	380.3	14	0	3	0	0	2	3	0	760.6				
HAM 50 2222		NHS 3103587	RELIEF	N	408.8	69.8	0	2	0	5	2	5	5	817.6				
HAM 50 2230		NHS 3103595	MARTIN DRIVE RAMP	N	510	23.5	0	2	0	6	2	23	6	1020				
HAM 50 2238		NHS 3103609	MARTIN DRIVE	N	134.5	25.5	45	0	1	2	2	2	2	269				
HAM 50 2316		NHS 3103633	RELIEF	N	297	67.5	0	1	0	4	2	8	4	594				
HAM 50 2409		NHS 3103668	COLLINS AVENUE	N	112	57.5	9	5	0	1	2	2	1	224				
HAM 50 2775		NHS 3103692	SR561-SB; SR32-WB (SR125-WB,ISR)	N	177	98.3	10	5	0	2	2	12	2	354				
HAM 50 2787		NHS 3103722	LINWOOD AVENUE	N	177	86.3	8	4	0	4	2	12	4	354				
HAM 50 2810		NHS 3103757	HEEKIN AVENUE	N	159	86.3	13	4	0	4	2	12	4	318				
HAM 50 2825		NHS 3103781	RAMP = US50-WB TO EASTERN AVE	N	205	86.3	49	4	0	2	2	12	2	410				
HAM 50 2928		NHS 3103870	RAMPS RED BANK RD	N	185	110.3	23	4	0	2	2	10	2	370				
HAM 71 0111	L	IM 3106497	BROADWY, IR71 -SB RAMP,US50 RAMP	N	541.3	44.3	0	0	2	0	2	0	0	1082.6				
HAM 71 0111	R	IM 3106551	BROADWAY	N	459.6	44.3	0	0	2	0	2	0	0	919.2				
HAM 71 0160		IM 3106616	MUNI RMP = VIA-WB, SIXTH ST-WB	N	1,243.00	51.4	VARIABLE	0	3	0	2	0	0	2486				
HAM 71 0207		IM 3106683	IR471-NB, US22 TO LIBERTY ST-WB	N	761	29.8	26	0	1	0	2	0	0	1522				
HAM 71 0226		IM 3106721	ELSINORE PLACE	N	217	84	0	0	6	0	2	0	0	434				
HAM 71 0233		IM 3106756	RAMP = FR-US42 TO IR71-NB	N	365	35.3	3	0	2	0	2	0	0	730				
HAM 71 0505		IM 3114600	WOODBURN AVENUE	N	320	58.4	15	4	0	0	2	0	0	640				
HAM 71 0551		IM 3114643	TRIMBLE AVENUE	N	189	58.4	0	4	0	0	2	0	0	378				
HAM 71 0603		IM 3114716	DANA AVENUE	N	282	92.4	16	6	0	0	2	0	0	564				
HAM 71 0675		IM 3114813	SMITH ROAD	N	282	60.4	13	4	0	0	2	0	0	564				
HAM 71 0731		IM 3114902	ROBERTSON AVENUE	N	269	60.4	16	4	0	0	2	0	0	538				
HAM 71 0851		IM 3115259	C275 (RIDGE ROAD)	N	273	58.4	20	4	0	0	2	0	0	546				
HAM 71 0875		IM 3115283	C339 (KENNEDY AVENUE)	N	350	58.4	39	4	0	0	2	0	0	700				
HAM 71 0970	L	IM 3115313	C331 (RED BANK ROAD)	N	163	94	24	4	0	0	2	0	0	326				
HAM 71 0970	R	IM 3115321	C331 (RED BANK ROAD)	N	163	83	24	4	0	0	2	0	0	326				
HAM 71 0991		IM 3115364	RAMP = IR71-SB, C67-SB	N	492	30.3	43	0	1	0	2	0	0	984				
HAM 71 0992		IM 3115372	SB ON RAMP AND OFF RAMP	N	278	30.3	25	0	1	0	2	0	0	556				
HAM 71 1149		IM 3106934	EUCLID ROAD-EB; C322-WB	N	292.9	42.3	45	2	0	0	2	0	0	585.8				
HAM 71 1181	L	IM 3106969	C269 (KENWOOD ROAD)	N	203.9	60.3	25	3	0	0	2	0	0	407.8				
HAM 71 1181	R	IM 3106977	C269 (KENWOOD ROAD)	N	203.9	60.3	25	3	0	0	2	0	0	407.8				

TOTALS CARRIED TO STRUCTURES GENERAL SUMMARY SHEET

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DESIGNED P/JL CHECKED CAH	DRAWN REVISED	REVIEWED STRUCTURE FILE NUMBER VARIES	DATE 02/22/16	DESIGN AGENCY STATE OF OHIO DEPT. OF TRANSPORTATION DISTRICT 8 - BRIDGE OFFICE
ESTIMATED QUANTITIES BRIDGE No: VARIES				
HAM - BC - FY 2016 PID No. 101364				
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HAM 71 1277 L IM 3107027	C101 (GALBRAITH ROAD)	N	148.5	60.8	6	3	0	4	2	3	4	297					
HAM 71 1277 R IM 3107051	C101 (GALBRAITH ROAD)	N	148.5	66.8	6	3	0	4	2	3	4	297					
HAM 71 1303 IM 3107086	C267 (KUGLER MILL ROAD)	N	319.80	39.3	33	2	0	3	2	10	3	639.6					
HAM 71 1440 IM 3105164	COOPER RD.	N	261.1	42.4	11	2	0	3	2	8	3	522.2					
HAM 71 1530 IM 3107264	ZIG ZAG ROAD	N	242.5	39.3	5	2	0	3	2	6	3	485					
HAM 71 1581 L IM 3107329	PFEIFFER ROAD	N	179.8	60.8	13	3	0	4	2	9	4	359.6					
HAM 71 1581 R IM 3107353	PFEIFFER ROAD	N	179.8	60.8	13	3	0	4	2	4	4	359.6					
HAM 71 1735 IM 3107442	IR-71	N	323.3	29.5	30	0	1	4	2	6	4	646.6					
HAM 71 1773 IM 3107531	RAMP A	N	246	30.3	5	0	1	3	2	5	3	492					
HAM 71 1858 IM 3107620	C277 (SNIDER ROAD)	N	343.9	34.5	37	2	0	3	2	20	3	687.8					
HAM 75 0070 IM 3108945	SEVENTH STREET-EB	N	628	63	43	0	4	4	2	6	4	1256					
HAM 75 0086 IM 3109003	I75-SB RAMP; NINTH ST-WB	N	304	33.2	0	0	2	5	2	3	3	608					
HAM 75 0087 W IM 3109062	GEST ST WITHIN IR R/W	N	245	35.2	0	0	2	2	2	5	2	490					
HAM 75 0089 IM 3109038	EIGHTH ST-WB; NINTH ST-WB	N	535	42.1	0	0	1	4	2	10	4	1070					
HAM 75 0105 IM 3109097	LINN STREET	N	426	89	10	5	0	6	2	12	6	852					
HAM 75 0125 IM 3109127	RAMP = FREEMAN AVE-NB, IR75-NB	N	278	42.1	0	2	0	2	2	6	2	556					
HAM 75 0126 W IM 3109186	RMP = (WESTRN AVE-SB) I75-SB	N	81	35.2	60	2	0	0	2	6	0	162					
HAM 75 0143 IM 3109216	EZZARD CHARLES DRIVE-EB	N	173	51.1	0	3	0	1	2	2	1	346					
HAM 75 0146 IM 3109240	EZZARD CHARLES DRIVE-WB	N	170	51.1	0	3	0	1	2	4	1	340					
HAM 75 0173 IM 3109275	LIBERTY STREET	N	199	155	23	5	0	3	2	5	3	398					
HAM 75 0191 IM 3109305	FINDLAY STREET	N	175	140.6	26	4	0	2	2	4	2	350					
HAM 75 0219 IM 3109364	BANK STREET	N	189	150.6	14	4	0	3	2	7	3	378					
HAM 75 0240 L IM 3109399	HARRISON AVENUE	N	160	85.7	12	5	0	2	2	3	2	320					
HAM 75 0240 R IM 3109429	HARRISON AVENUE	N	160	109.8	8	5	0	2	2	4	2	320					
HAM 75 0249 W IM 3109453	SPRING GROVE AVENUE	N	221	30.6	33	0	1	4	2	1	2	442					
HAM 75 0252 IM 3105458	WESTERN HILLS VIADUCT	N	370	60.9	0	5	0	4	2	5	4	740					
HAM 75 0253 W IM 3109488	SPRING GROVE AVENUE	N	203	30.6	32	0	1	4	2	1	2	406					
HAM 75 0261 R IM 3109518	RMP = IR75-NB, WES HILS VIA-WB	N	204	30.6	30	0	1	4	2	1	2	408					
HAM 75 0306 IM 3109550	MARSHALL AVENUE	N	148	146.8	0	8	0	0	2	0	0	296					
HAM 75 0356 L IM 3109631	RMP = IR75-NB, US27-SB (US52-EB)	N	178	30.6	0	0	1	4	2	4	2	356					
HAM 75 0385 IM 3109704	MONMOUTH STREET	N	422.2	59.1	2	3	0	2	2	0	2	844.4					
HAM 75 0739 IM 3109968	VINE STREET	N	156	97	19	6	0	2	2	7	2	312					
HAM 75 0791 IM 3110036	RAMP = IR75-SB,SR562-EB	N	132	97	0	0	1	3	2	7	3	264					
HAM 75 0823 IM 3110087	LIDLAW AVENUE	N	147	97.8	1	7	0	2	2	4	2	294					
HAM 75 0857 IM 3110176	TOWNE AVENUE	N	166	97	14	6	0	2	2	16	2	332					
HAM 75 1089 L IM 3110419	GALBRAITH ROAD	N	187	67.8	21	0	2	2	2	0	2	374					
HAM 75 1152 R IM 3110532	CLARK STREET	N	130	54.3	0	3	0	7	2	5	7	260					
HAM 75 1184 R IM 3110591	DAVIS STREET	N	115	54.3	0	3	0	2	2	16	2	230					
HAM 75 1205 L IM 3110699	WYOMING AVENUE	N	74	75.7	1	3	0	0	2	0	0	148					
HAM 75 1539 L IM 3110923	SHARON ROAD	N	164	56.3	10	3	0	2	2	7	2	328					
HAM 75 1539 R IM 3110958	SHARON ROAD	N	164	56.3	10	3	0	2	2	7	2	328					
HAM 75 1642 R IM 3111075	KEMPER ROAD	N	188	56.3	7	3	0	2	2	9	2	376					

TOTALS CARRIED TO STRUCTURES GENERAL SUMMARY SHEET

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DESIGNED P/JL	DRAWN REVIS	REVIEWED STRUCTURE FILE NUMBER VARIES	DATE 02/22/16	DESIGN AGENCY STATE OF OHIO DEPT. OF TRANSPORTATION DISTRICT 8 - BRIDGE OFFICE
ESTIMATED QUANTITIES BRIDGE No: VARIES				
HAM - BC - FY 2016 PID No. 101364				
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BRIDGE INFORMATION (FOR INFORMATIONAL PURPOSES ONLY)													PAY QUANTITIES				
BRIDGE NAME	FUNDING	STRUCTURE FILE NUMBER	FEATURE INTERSECTED	OVER WATER (Y/N)	APPROX. BRIDGE LENGTH (FT)*	APPROX. BRIDGE WIDTH (FT)**	APPROX. BRIDGE SKEW (DEGREES)	NUMBER OF LANES	NUMBER OF RAMP LANES	NUMBER OF INTERMEDIATE JOINTS AND INTERMEDIATE PIER BEAM SEATS TO CLEAN (EACH)	NUMBER OF BACKWALLS, ABUTMENT SEATS, AND ABUTMENT JOINTS TO CLEAN (EACH)	NUMBER OF GRATES/SCUPPERS TO BE CLEANED (EACH)	NUMBER OF PIERS TO BE CLEANED (EACH)	LINEAR FEET OF SHOULDER TO CLEAN (FT)			
HAM 75 1642 E IM 3111083	KEMPER ROAD	N	189.5	44	8	3	0	2	2	0	2	379					
HAM 75 1697 IM 3111199	RMP; IR75-NB TO IR275-WB	N	375	44.3	5	0	2	5	2	7	5	750					
HAM 264 1044 NHS 3111547	RELIEF (ABANDONED RR)	N	156	60.3	38	4	0	1	2	4	1	312					
HAM 264 1636 R IM 3111644	IR75-SB; US-IR RAMP; US50-EB	N	516.3	41.8	0	0	2	5	2	4	5	1032.6					
HAM 264 1647 R IM 3111679	IR75-NB; RAMP = IR75-NB, US50-WB	N	171	44	0	0	1	2	2	1	2	342					
HAM 264 1653 R NHS 3111709	US50-WB; IR75-NB RAMP	N	192	75.5	11	0	5	2	2	1	2	384					
HAM 275 0034 L IM 3115909	NORFOLK SOUTHERN RR; US50	N	376	44.3	45	2	0	3	2	3	3	752					
HAM 275 0034 R IM 3115917	NORFOLK SOUTHERN RR; US50	N	376	44.3	43	2	0	3	2	3	3	752					
HAM 275 0126 IM 3115941	C18 (STEPHENS ROAD)	N	246	42.3	0	2	0	3	2	8	3	492					
HAM 275 0304 L IM 3116026	C15 (LAWRENCEBURG ROAD)	N	156	44.3	27	2	0	2	2	6	2	312					
HAM 275 0304 R IM 3116034	C15 (LAWRENCEBURG ROAD)	N	156	44.3	31	2	0	2	2	6	2	312					
HAM 275 0397 L IM 3116107	C13 (KILBY ROAD); NSRR	N	254	52.3	20	3	0	4	2	10	4	508					
HAM 275 0397 R IM 3116115	C13 (KILBY ROAD); NSRR	N	254	68.2	20	3	0	4	2	10	4	508					
HAM 275 0618 IM 3116158	C16 (MORGAN ROAD)	N	306	46.3	33	2	0	3	2	10	3	612					
HAM 275 1070 R IM 3116298	RAMP = IR275-EB, IR74-EB; IR74-WB	N	289.2	44.3	43	0	2	2	2	10	2	578.4					
HAM 275 1290 IM 3116425	C100 (THOMPSON ROAD)	N	367	46.3	10	2	0	3	2	10	3	734					
HAM 275 1345 IM 3116468	RAMP = C453-WB, IR275-WB	N	418	44.3	36	2	0	3	2	15	3	836					
HAM 275 1354 S IM 3116484	C96 (SPRINGDALE ROAD)	N	295.8	46.3	45	2	0	3	2	8	3	591.6					
HAM 275 1389 L IM 3116514	C71 (BLUE ROCK ROAD)	N	232.2	56.3	20	3	0	2	2	7	2	464.4					
HAM 275 1389 R IM 3116522	C71 (BLUE ROCK ROAD)	N	232.2	56.3	20	3	0	2	2	7	2	464.4					
HAM 275 1426 IM 3116565	C72 (BREHM ROAD)	N	309.6	46.3	5	2	0	3	2	8	3	619.2					
HAM 275 1684 IM 3116646	C99 (STRUBLE ROAD)	N	331.2	40.3	34	2	0	3	2	14	3	662.4					
HAM 275 1819 IM 3116670	C90 (PIPPIN ROAD)	N	376	42.3	44	2	0	3	2	14	3	752					
HAM 275 2016 IM 3111768	MILL ROAD	N	301.3	40.3	21	2	0	3	2	12	3	602.6					
HAM 275 2027 IM 3104710	KEMPER ROAD	N	311.1	40.3	25	2	0	3	2	12	3	622.2					
HAM 275 2123 IM 3111792	WINTON ROAD	N	309.7	101	19	7	0	3	2	2	3	619.4					
HAM 275 2454 L IM 3112217	CHESSIE SYSTEM RAILROAD	N	193.5	99.4	27	6	0	2	2	1	2	387					
HAM 275 2541 IM 3112276	CHESTERDALE ROAD	N	407.7	36.7	13	2	0	5	2	0	5	815.4					
HAM 275 2572 IM 3112314	IR75; RAMPS	N	514.8	170.9	18	10	0	27	2	24	27	1029.6					
HAM 275 2645 L IM 3112608	MOSTELLER ROAD	N	186	83.6	14	5	0	2	2	1	2	372					
HAM 275 2645 R IM 3112632	MOSTELLER ROAD	N	188.5	84	14	5	0	2	2	1	2	377					
HAM 275 2749 L IM 3112810	READING ROAD; NSRR	N	397	63.3	21	4	0	18	2	2	18	794					
HAM 275 2749 R IM 3112845	READING ROAD; NSRR	N	398.8	73.4	21	4	0	17	2	2	17	797.6					
HAM 275 3012 IM 3113051	CO266 (KEMPER ROAD)	N	561.4	60.8	32	4	0	21	2	2	21	1122.8					
HAM 275 3188 IM 3113353	CO256 (CORNELL ROAD)	N	416.6	36.8	42	2	0	15	2	2	15	833.2					
HAM 275 3270 IM 3113418	WELLER ROAD	N	431.2	36.3	40	2	0	12	2	16	12	862.4					
TOTALS CARRIED TO STRUCTURES GENERAL SUMMARY SHEET																	

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DESIGNED P: JL CHECKED CAH	DRAWN REVISED	REVIEWED STRUCTURE FILE NUMBER VARIES	DATE 02/22/16	DESIGN AGENCY STATE OF OHIO DEPT. OF TRANSPORTATION DISTRICT 8 - BRIDGE OFFICE
ESTIMATED QUANTITIES BRIDGE No: VARIES				HAM-BC-FY 2016 PID No. 101364
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BRIDGE INFORMATION (FOR INFORMATIONAL PURPOSES ONLY)													PAY QUANTITIES				
BRIDGE NAME	FUNDING	STRUCTURE FILE NUMBER	FEATURE INTERSECTED	OVER WATER (Y/N)	APPROX. BRIDGE LENGTH (FT)**	APPROX. BRIDGE WIDTH (FT)**	APPROX. BRIDGE SKEW (DEGREES)	NUMBER OF LANES	NUMBER OF RAMP LANES	NUMBER OF INTERMEDIATE JOINTS AND INTERMEDIATE PIER BEAM SEATS TO CLEAN (EACH)	NUMBER OF BACKWALLS, ABUTMENT SEATS, AND ABUTMENT JOINTS TO CLEAN (EACH)	NUMBER OF GRATES/SCUPPERS TO BE CLEANED (EACH)	NUMBER OF PIERS TO BE CLEANED (EACH)	LINEAR FEET OF SHOULDER TO CLEAN (FT)			
HAM	275	3484	L IM	3113566	C299 (LOVELAND ROAD); CSRR	N	364	53.4	11	3	0	3	2	19	3	728	
HAM	275	3484	R IM	3113590	C299 (LOVELAND ROAD); NSRR	N	364	69.3	12	4	0	3	2	21	3	728	
HAM	275	3571	IM	3116786	C362 (EIGHT MILE ROAD)	N	296	40.3	17	2	0	3	2	0	3	592	
HAM	275	3668	IM	3116816	C352 (ASBURY ROAD)	N	299	42	17	2	0	3	2	10	3	598	
HAM	275	3777	L IM	3116913	C370 (MARKLEY ROAD)	N	245	44	15	2	0	2	2	8	2	490	
HAM	275	3777	R IM	3116921	C370 (MARKLEY ROAD)	N	335	44	23	2	0	2	2	11	2	670	
HAM	275	3895	L IM	3116964	C354 (BIRNEY LANE)	N	175	47	33	4	0	2	2	5	2	350	
HAM	275	3895	R IM	3116972	C354 (BIRNEY LANE)	N	246	45	30	3	0	2	2	8	2	492	
HAM	275	3940	L IM	3117006	US52-WB; RMP = IR275-EB, US52-EB	N	178	56.3	1	3	0	2	2	8	2	356	
HAM	275	3940	R IM	3117014	US52-WB; RMP = IR275-EB, US52-EB	N	178	52.3	3	3	0	2	2	6	2	356	
HAM	275	4063	L IM	3117162	C382 (SUTTON ROAD)	N	214.5	61.5	7	3	0	2	2	9	2	429	
HAM	275	4063	R IM	3117170	C382 (SUTTON ROAD)	N	213	56.3	7	3	0	2	2	7	2	426	
HAM	275	4109	L IM	3117200	KELLOGG AVENUE-WB; US52-EB	N	187	56.3	29	4	0	4	2	7	2	374	
HAM	275	4109	R IM	3117219	KELLOGG AVENUE-WB; US52-EB	N	196	73.9	29	3	0	4	2	9	2	392	
HAM	471	0000	W IM	3117332	EGGLESTON	N	332.3	44.3	24	0	2	4	2	8	4	664.6	
HAM	471	0000	L IM	3117359	IRR; US52; THIRD ST CONN	N	1,100.00	78	18	4	0	4	2	12	12	2200	
HAM	471	0000	R IM	3117367	IRR; US52; THIRD ST CONN	N	1,100.00	55.1	18	4	0	4	2	12	12	2200	
HAM	471	0000	IM	3117391	RELIEF	N	40	28.9	0	0	1	2	2	4	2	80	
HAM	471	0045	L IM	3117650	IR471; EGGLESTON; BUTLER	N	669	36.8	VARIES	0	3	2	2	8	8	1338	
HAM	561	0314	IM	3113663	IR71	N	287.00	60.4	22	4	0	3	2	12	3	574	
HAM	561	0690	IM	3113728	IR75	N	260.4	60.5	3	4	0	4	2	4	4	520.8	
HAM	0022D	0007	L NHS	3100294	EGGLESTON AVE; CUL ST	N	329	36.8	0	0	2	5	2	0	3	658	
HAM	0264D	0030	L IM	3111733	RMP = US50-WB, FIFTH ST-WB, IR75-NB	N	204	42.4	40	2	0	2	2	2	2	408	
TOTALS CARRIED TO STRUCTURES GENERAL SUMMARY SHEET																	

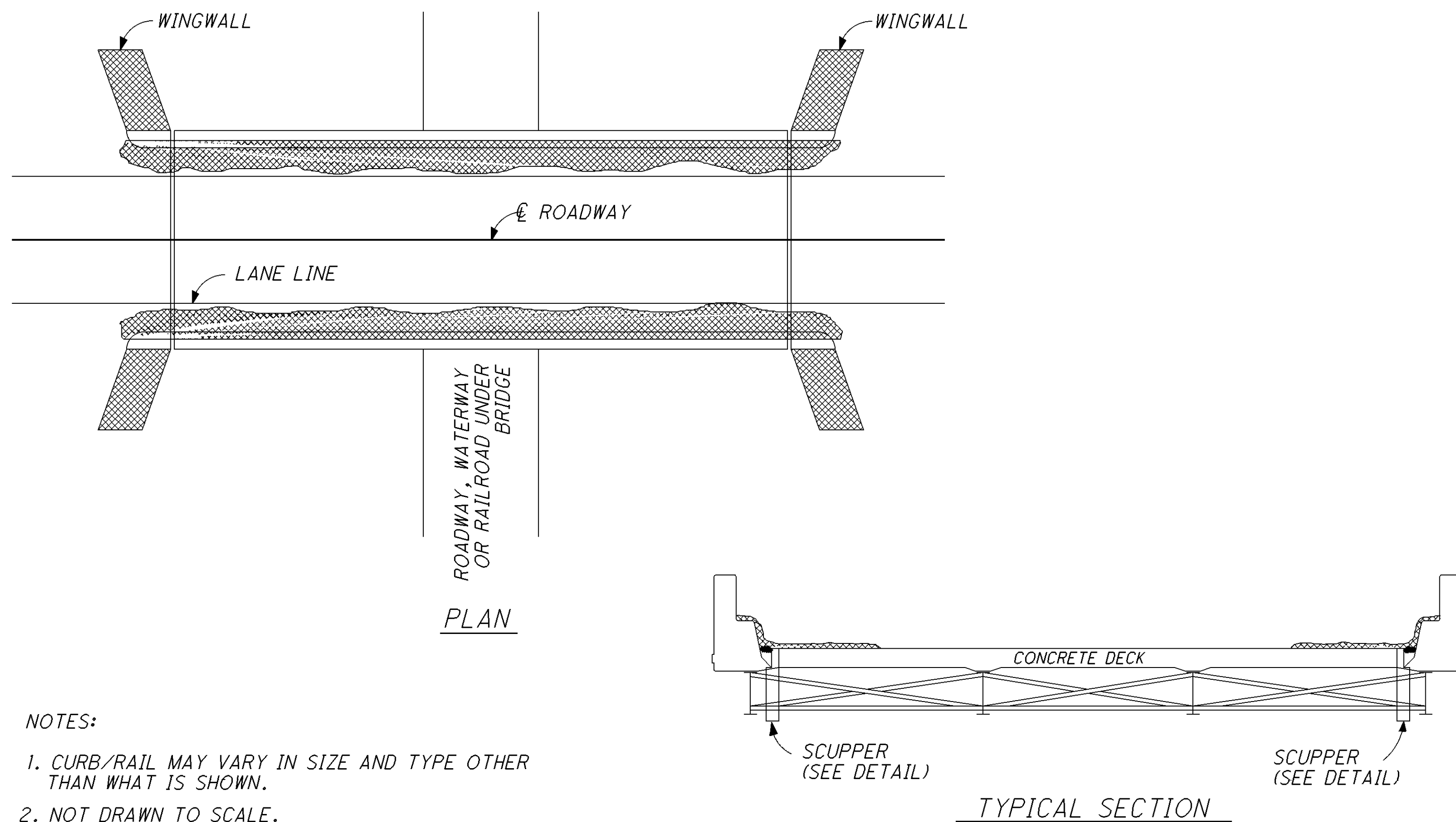
* APPROACH SLABS NOT INCLUDED IN LENGTH SHOWN.

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DESIGNED P:JL	DRAWN REVIS	REVIEWED STRUCTURE FILE NUMBER VARIES	DATE 02/22/16	DESIGN AGENCY STATE OF OHIO DEPT. OF TRANSPORTATION DISTRICT 8 - BRIDGE OFFICE
GENERAL SUMMARY BRIDGE No: VARIES				
HAM-BC-FY2016 PID No. 101364				
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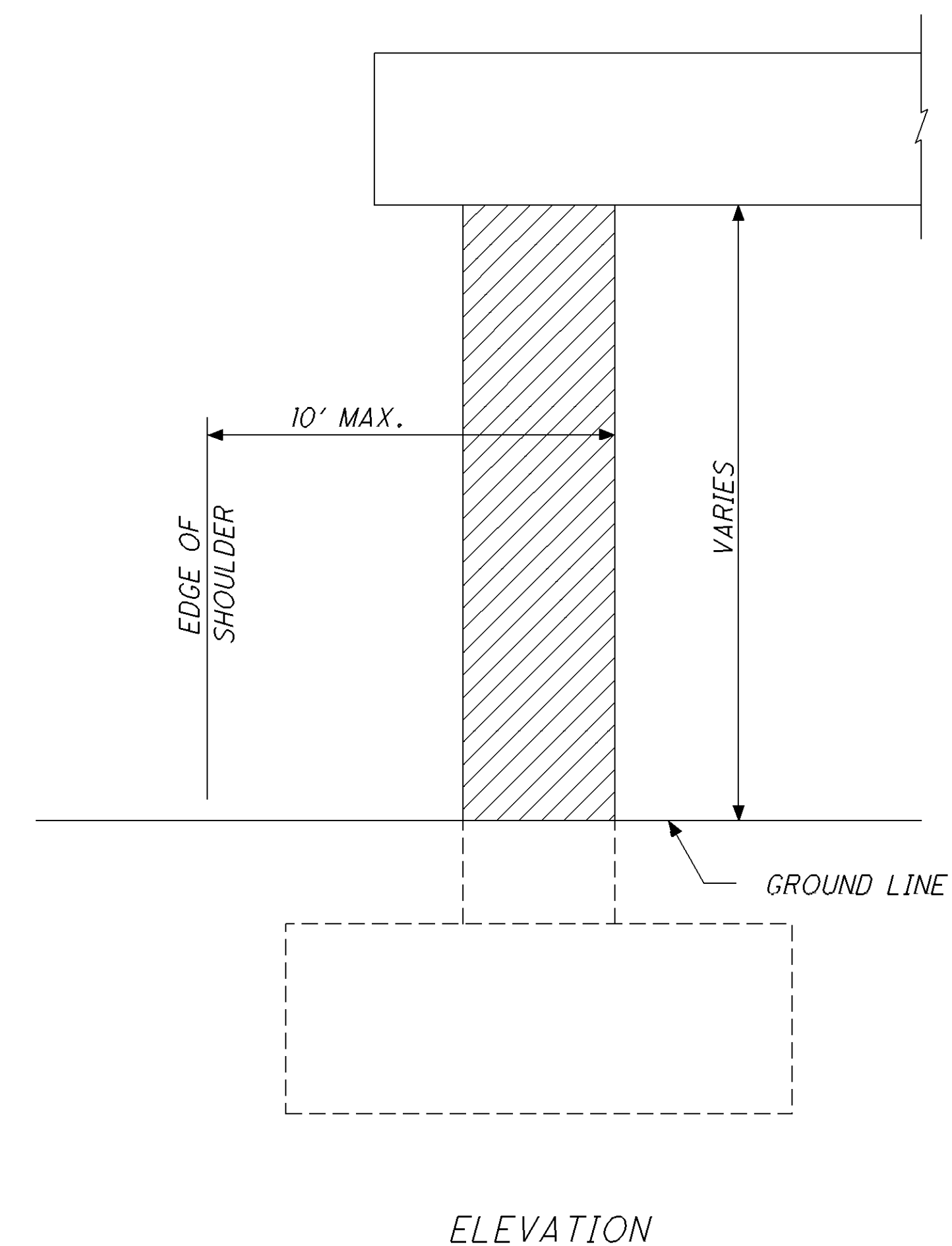
WINGWALL, DECK, SHOULDER AND GUTTER AREA



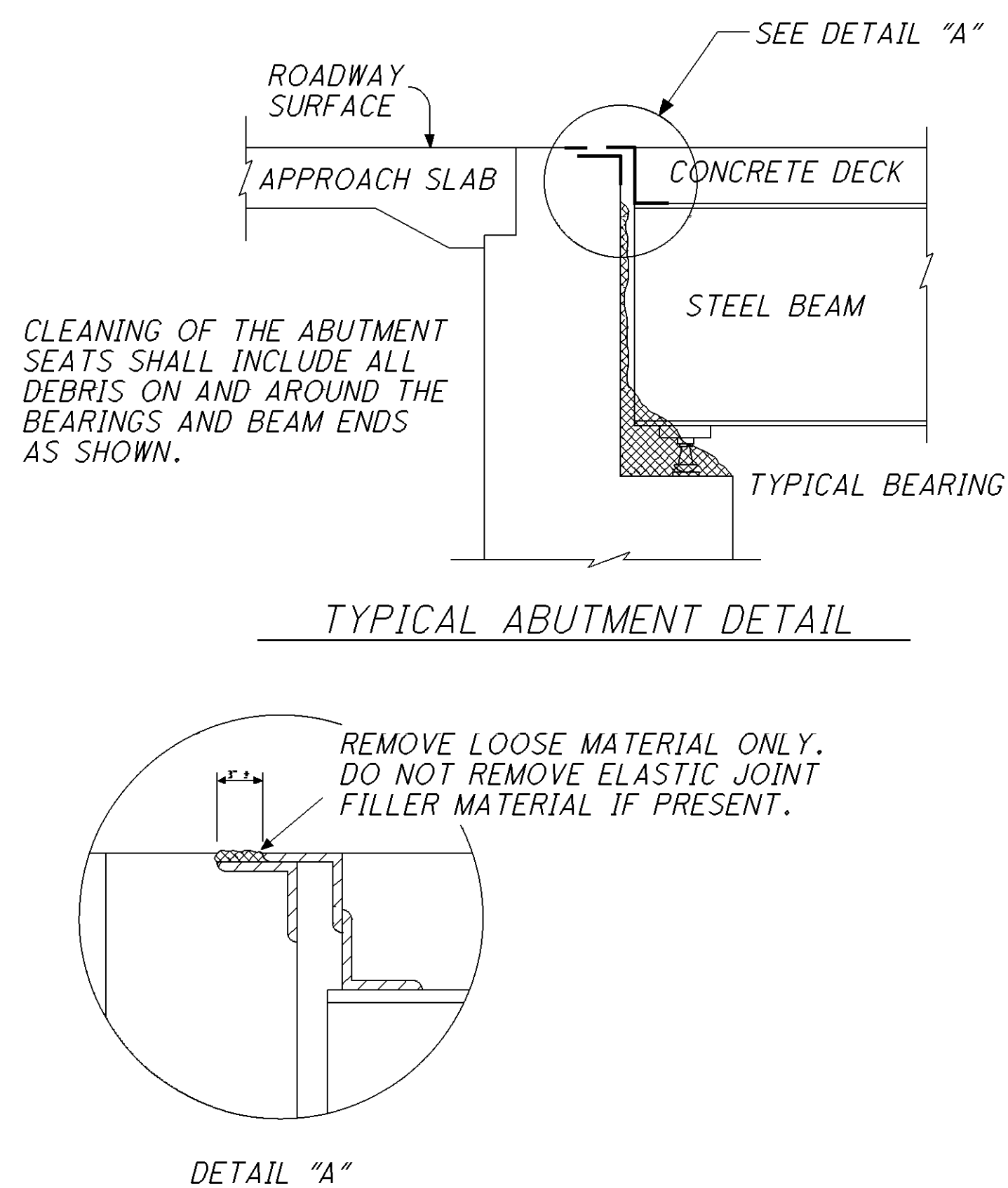
NOTES:

1. CURB/RAIL MAY VARY IN SIZE AND TYPE OTHER THAN WHAT IS SHOWN.
2. NOT DRAWN TO SCALE.

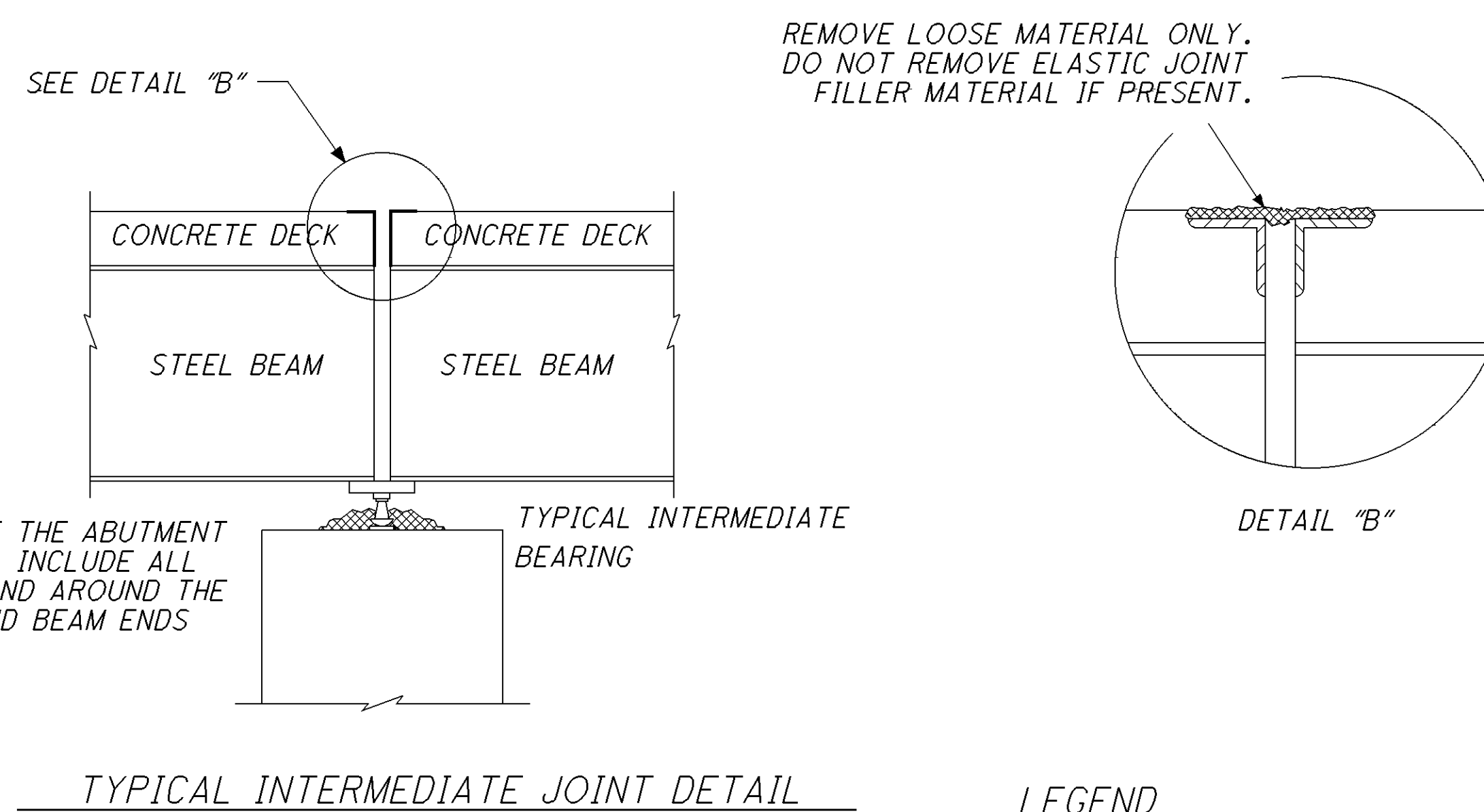
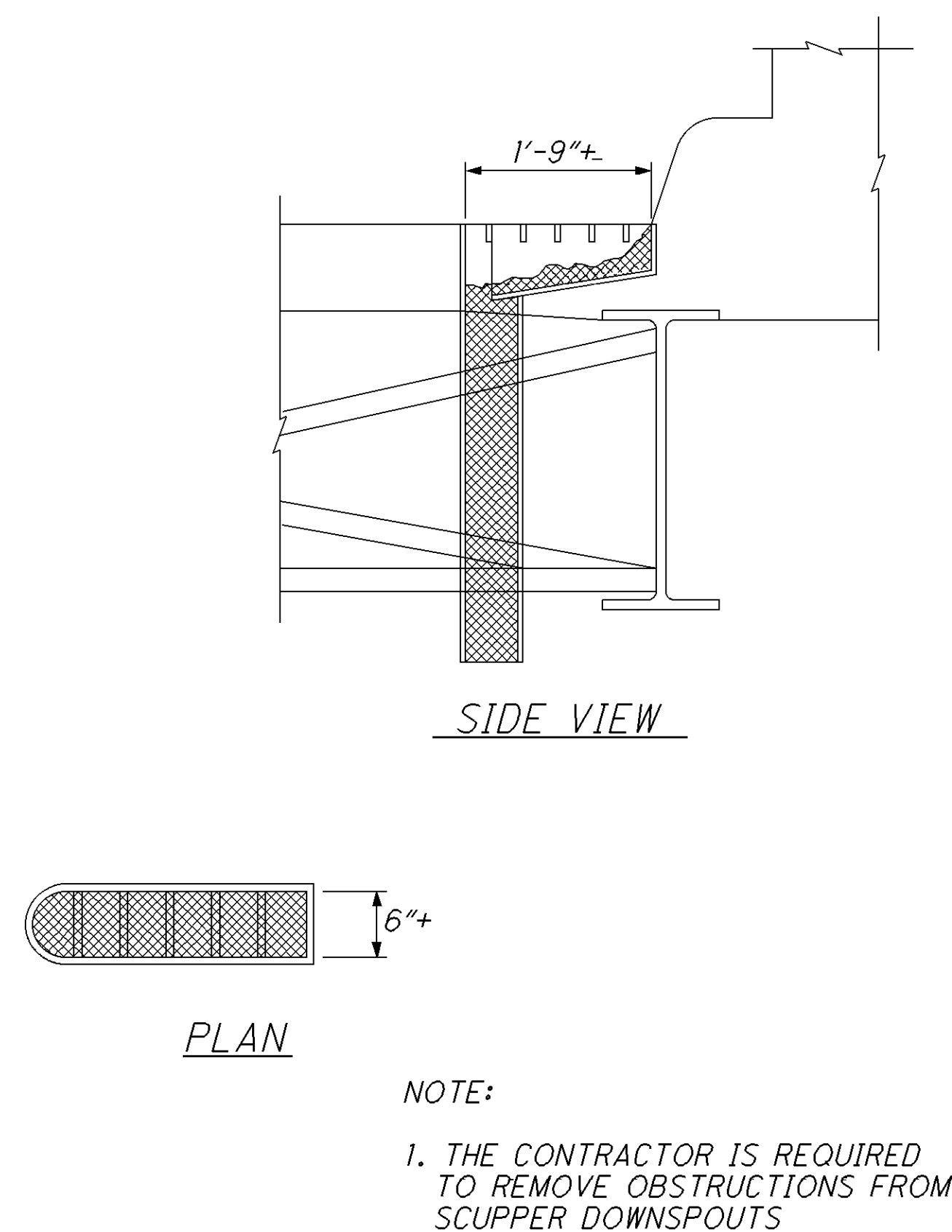
PIER IN "SPLASH ZONE"



BACKWALL, ABUTMENT SEAT AND EXPANSION JOINT



SCUPPERS AND DOWNSPOUTS



DESIGNED	P.J.L.	CHECKED	CAH
DRAWN		REVISED	
REVIEWED	02/22/16	STRUCTURE FILE NUMBER	VARIES
DATE	02/22/16	BRIDGE No:	VARIES
DESIGN AGENCY	STATE OF OHIO DEPT. OF TRANSPORTATION DISTRICT 8 - BRIDGE OFFICE		
BRIDGE CLEANING DETAILS			
BRIDGE No: VARIES			
HAM-BC-FY 2016		PID No. 101364	
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