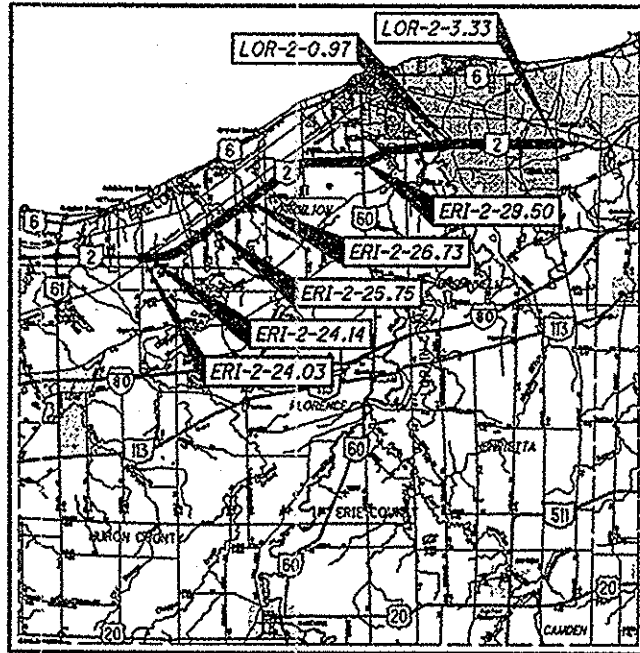


STATE OF OHIO
DEPARTMENT OF TRANSPORTATION
D03-BH-FY2016(B)
CITY OF VERMILION

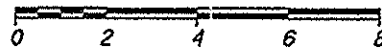
BERLIN TOWNSHIP
BROWNHELM TOWNSHIP
VERMILION TOWNSHIP

ERIE COUNTY
LORAIN COUNTY



LOCATION MAP

SCALE IN MILES



PORTION TO BE IMPROVED -----
INTERSTATE HIGHWAY -----

STRUCTURE	LATITUDE	LONGITUDE
ERI-2-24.03	N 41°22'4"	W 82°27'29"
ERI-2-24.14	N 41°22'4"	W 82°27'22"
ERI-2-25.75	N 41°22'38"	W 82°25'44"
ERI-2-26.73	N 41°23'8"	W 82°24'48"
ERI-2-29.50	N 41°23'52"	W 82°21'53"
LOR-2-0.97	N 41°24'12"	W 82°19'42"
LOR-2-3.33	N 41°24'13"	W 82°16'58"

DESIGN DESIGNATION: ERI-2-24.03-29.50
CURRENT ADT (2016).....20,000
DESIGN YEAR ADT (2036).....21,000
DESIGN HOURLY VOLUME (2036).....2,100
DIRECTIONAL DISTRIBUTION.....55%
TRUCKS (24 HOUR B&C).....15%
DESIGN & LEGAL SPEED.....70 MPH
DESIGN FUNCTIONAL CLASSIFICATION:
NHS NON-INTERSTATE PRICIPAL ARTERIAL
NHS PROJECT.....YES

DESIGN DESIGNATION: LOR-2-0.97-1.51
CURRENT ADT (2016).....28,000
DESIGN YEAR ADT (2036).....30,000
DESIGN HOURLY VOLUME (2036).....3,000
DIRECTIONAL DISTRIBUTION.....57%
TRUCKS (24 HOUR B&C).....11%
DESIGN & LEGAL SPEED.....70 MPH
DESIGN FUNCTIONAL CLASSIFICATION:
NHS NON-INTERSTATE FREEWAYS AND EXPRESSWAYS
NHS PROJECT.....YES

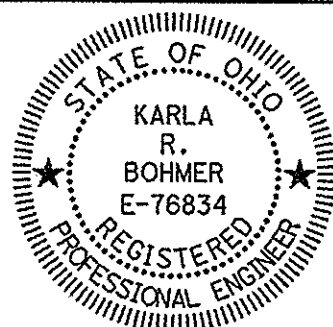
DESIGN DESIGNATION: LOR-2-1.51-3.33
CURRENT ADT (2016).....29,000
DESIGN YEAR ADT (2036).....31,000
DESIGN HOURLY VOLUME (2036).....3,100
DIRECTIONAL DISTRIBUTION.....59%
TRUCKS (24 HOUR B&C).....11%
DESIGN & LEGAL SPEED.....70 MPH
DESIGN FUNCTIONAL CLASSIFICATION:
NHS NON-INTERSTATE FREEWAYS AND EXPRESSWAYS
NHS PROJECT.....YES

DESIGN EXCEPTIONS
NONE REQUIRED

INDEX OF SHEETS:

TITLE SHEET	1
GENERAL NOTES	2
MAINTENANCE OF TRAFFIC NOTES	3-4
GENERAL SUMMARY	5-6
PAVEMENT MARKING/RPM SUB-SUMMARY	7
STRUCTURE SUB-SUMMARY	8
STRUCTURE INFORMATION	9
ERI-2-24.03 (L)	10
ERI-2-24.03 (R)	11
ERI-2-24.14 (L)	12
ERI-2-24.14 (R)	13
ERI-2-25.75 (L)	14
ERI-2-25.75 (R)	15
ERI-2-26.73 (L)	16
ERI-2-26.73 (R)	17
ERI-2-29.50 (L)	18
ERI-2-29.50 (R)	19
LOR-2-0.97 (L)	20
LOR-2-0.97 (R)	21
LOR-2-3.33 (L)	22
LOR-2-3.33 (R)	23

ENGINEERS SEAL:



SIGNED: *Karla R. Bohmer*
DATE: 6/25/15

STANDARD CONSTRUCTION DRAWINGS

MT-95.30	7/18/14	TC-41.20	10/18/13	DM-4.3	7/19/13	PCB-91	1/18/13	SUPPLEMENTAL SPECIFICATIONS
MT-95.40	7/18/14	TC-42.20	10/18/13	DM-4.4	7/20/12			800 7/17/15
MT-95.50	7/19/13	TC-52.10	10/18/13					821 4/20/12
MT-97.10	7/18/14	TC-52.20	7/18/14					830 1/17/14
MT-98.10	7/18/14							832 1/17/14
MT-98.11	7/18/14							921 4/20/12
MT-98.20	7/18/14							
MT-98.22	7/18/14							
MT-99.20	7/19/13							
MT-101.70	1/17/14							
MT-101.90	7/18/14							
MT-105.10	7/19/13							

PROJECT DESCRIPTION

BRIDGE MAINTENANCE ITEMS INCLUDING PARAPET REPAIRS, CONCRETE PATCHING REPAIRS, DECK SEALING AND INSTALLING DECK DRAINS.

EARTH DISTURBED AREAS

PROJECT EARTH DISTURBED AREA: N/A ACRES (MAINTENANCE PROJECT)
ESTIMATED CONTRACTOR EARTH DISTURBED AREA: N/A ACRES (MAINTENANCE PROJECT)
NOTICE OF INTENT EARTH DISTURBED AREA: N/A ACRES (MAINTENANCE PROJECT)

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.

2013 SPECIFICATIONS

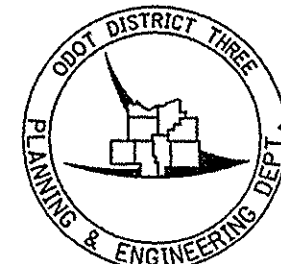
THE STANDARD SPECIFICATIONS OF THE STATE OF OHIO, DEPARTMENT OF TRANSPORTATION, INCLUDING CHANGES AND SUPPLEMENTAL SPECIFICATIONS LISTED IN THE PROPOSAL SHALL GOVERN THIS IMPROVEMENT.

I HEREBY APPROVE 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.

APPROVED *Jim Fawley*
DATE 6-25-15 DISTRICT DEPUTY DIRECTOR

APPROVED *Jerry Way*
DATE 6-4-15 DIRECTOR, DEPARTMENT OF TRANSPORTATION

PLANS PREPARED BY:



UNDERGROUND UTILITIES

CONTACT BOTH SERVICES
CALL TWO WORKING DAYS
BEFORE YOU DIG

CALL 1-800-362-2764 (TOLL FREE)
OHIO UTILITIES PROTECTION SERVICE
NON-MEMBERS
MUST BE CALLED DIRECTLY
OIL & GAS PRODUCERS PROTECTIVE
SERVICE CALL: 1-800-925-0388

D03 - BH-FY2016 (B)
150511 PID - 87694
Dist 3 9/24/2015

Contract Proposal Available @ www.
Contracts.dot.state.oh.us/home

FEDERAL PROJECT NO.
E140641

PID NO.
87694

CONSTRUCTION PROJECT NO.

RAILROAD INVOLVEMENT
NORFOLK SOUTHERN

D03-BH-FY2016(B)

23

CONSTRUCTION NOTIFICATION

THE CONTRACTOR SHALL ADVISE THE PROJECT ENGINEER A MINIMUM OF FOURTEEN (14) DAYS PRIOR TO THE FOLLOWING: THE START OF CONSTRUCTION ACTIVITIES, LANE RESTRICTIONS, LANE CLOSURES, AND OR ROAD CLOSURES. THE PROJECT ENGINEER WILL FORWARD THIS INFORMATION TO THE FOLLOWING:

DISTRICT PUBLIC INFORMATION OFFICER (PIO) BY FAX AT (614) 887-4305 OR EMAIL AT D03.PIO@DOT.STATE.OH.US

DISTRICT PERMIT SECTION BY FAX AT (614) 887-4318 OR EMAIL AT LOUIS.TUMBLIN@DOT.STATE.OH.US

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

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.

IN-STREAM WORK RESTRICTIONS

THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS TO AVOID CONSTRUCTION IN AND/OR LIMIT DEMOLITION DEBRIS FROM ENTERING STREAMS OR WETLANDS. ANY MATERIAL THAT DOES FALL INTO STREAMS OR WETLANDS SHALL BE REMOVED AS SOON AS POSSIBLE.

ALL PROJECTS INVOLVING JURISDICTIONAL WATERS OF THE UNITED STATES (STREAMS, RIVERS, NON-ISOLATED WETLANDS) AND/OR ISOLATED WETLANDS ARE SUBJECT TO REGULATION UNDER SECTIONS 404 AND 401 OF THE CLEAN WATER ACT, AND POSSIBLY OHIO EPA ISOLATED WETLAND LAW. IT IS ANTICIPATED THAT NO IN-STREAM WORK, OR WORK UNDER THE STREAM'S ORDINARY HIGH WATER MARK (OHWM) WILL BE NEEDED. THEREFORE NO WATERWAY PERMITS HAVE BEEN GRANTED AND NO IN-STREAM WORK IS ALLOWED.

SHOULD WORK (EITHER TEMPORARY OR PERMANENT) IN THE STREAM IS NEEDED; IT WILL REQUIRE A PERMIT AND AUTHORIZATION BY THE UNITED STATES ARMY CORPS OF ENGINEERS (USACE). THE CONTRACTOR SHALL NOT UTILIZE FILLS BELOW OHWM UNTIL SUCH ACTIVITY IS AUTHORIZED BY THE USACE. DETAILS OF THIS REQUIREMENT ARE DESCRIBED IN ODOT'S SUPPLEMENTAL SPECIFICATION 832.09

USACE DEFINITION OF OHWM - THE ORDINARY HIGH WATER MARK IS THE LINE ON THE SHORES ESTABLISHED BY THE FLUCTUATIONS OF WATER AND INDICATED BY PHYSICAL CHARACTERISTICS SUCH AS A CLEAR, NATURAL LINE IMPRESSED ON THE BANK; SHELIVING; CHANGES IN THE CHARACTER OF THE SOIL; DESTRUCTION OF TERRESTRIAL VEGETATION; THE PRESENCE OF LITTER AND DEBRIS; OR THE APPROPRIATE MEANS THAT CONSIDER THE CHARACTERISTICS OF THE SURROUNDING AREAS.

RAILROAD WORK RESTRICTIONS FOR STRUCTURES AT ERI-2-24.14

ALL WORK ON, OVER, UNDER, OR ADJACENT TO NORFOLK SOUTHERN (NS) RIGHT-OF-WAY SHALL BE DONE IN ACCORDANCE WITH THE NORFOLK SOUTHERN "SPECIAL PROVISIONS FOR THE PROTECTION OF RAILWAY INTERESTS" (NS SPECIAL PROVISIONS), FOUND IN THE SPECIAL CLAUSES IN THE PROPOSAL.

"ONE CALL" SERVICES DO NOT LOCATE BURIED RAILROAD SIGNAL AND COMMUNICATIONS LINES. THE CONTRACTOR SHALL CONTACT THE RAILROAD'S REPRESENTATIVE TWO (2) DAYS IN ADVANCE OF THOSE PLACES WHERE EXCAVATION, PILE DRIVING, OR HEAVY LOADS MAY DAMAGE RAILROAD UNDERGROUND LINES ON RAILROAD PROPERTY. UPON REQUEST FROM THE CONTRACTOR OR AGENCY, RAILROAD SIGNAL FORCES WILL LOCATE AND PAINT MARK OR FLAG RAILROAD UNDERGROUND SIGNAL, COMMUNICATION, AND POWER LINES IN THE AREA TO BE DISTURBED FOR THE CONTRACTOR. THE CONTRACTOR SHALL AVOID EXCAVATION OR OTHER DISTURBANCE OF THESE LINES WHICH ARE CRITICAL TO THE SAFETY OF THE RAILROAD AND THE PUBLIC. IF DISTURBANCE OR EXCAVATION IS REQUIRED NEAR A BURIED RAILROAD SIGNAL, COMMUNICATION, OR POWER LINE, THE LINE SHALL BE POTHOLED MANUALLY WITH CAREFUL HAND EXCAVATION BY THE CONTRACTOR AND PROTECTED BY THE CONTRACTOR DURING THE COURSE OF THE DISTURBANCE UNDER THE SUPERVISION AND DIRECTION OF A RAILROAD SIGNAL REPRESENTATIVE.

ALL WORK ON, OVER, UNDER OR ADJACENT TO NORFOLK SOUTHERN RIGHT-OF-WAY THAT IS NOT SPECIFICALLY DENOTED ON THE APPROVED PLANS SHALL BE SUBMITTED TO NORFOLK SOUTHERN FOR REVIEW AND APPROVAL PRIOR TO BEGINNING THE WORK.

UTILITIES

THERE ARE NO UNDERGROUND UTILITIES SHOWN ON THIS PLAN. THE NATURE OF THE WORK REQUIRED BY THIS PROJECT WILL NOT AFFECT ANY KNOWN UNDERGROUND UTILITIES THAT EXIST UNDER OR ADJACENT TO THE WORK AREA.

WORK LIMITS

THE WORK LIMITS SHOWN ON THESE PLANS ARE FOR PHYSICAL CONSTRUCTION ONLY. PROVIDE THE INSTALLATION AND OPERATION OF ALL WORK ZONE TRAFFIC CONTROL AND WORK ZONE TRAFFIC CONTROL DEVICES REQUIRED BY THESE PLANS WHETHER INSIDE OR OUTSIDE THESE WORK LIMITS.

EXISTING STRUCTURE VERIFICATION

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

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

ITEM 202 - REMOVAL MISC.: JOINT SEAL

THIS ITEM SHALL BE USED TO REMOVE THE EXISTING JOINT SEAL LOCATED BETWEEN THE APPROACH SLAB AND THE DECK OR BACKWALL.

PAYMENT FOR ALL OF THE ABOVE SHALL BE AT THE UNIT PRICE BID PER FOOT FOR THE ABOVE ITEM, WHICH WILL INCLUDE ALL LABOR, EQUIPMENT, MATERIALS AND INCIDENTALS NECESSARY TO COMPLETE THE ABOVE WORK.

ITEM 202. PORTIONS OF STRUCTURE REMOVED, AS PER PLAN

THIS ITEM SHALL INCLUDE THE ELEMENTS INDICATED IN THE PLANS AND GENERAL NOTES. ITEMS TO BE REMOVED INCLUDE ALL EXISTING MATERIALS BEING REPLACED BY NEW CONSTRUCTION AND MISCELLANEOUS ITEMS THAT ARE NOT SHOWN TO BE INCORPORATED INTO THE FINAL CONSTRUCTION AND ARE DIRECTED TO BE REMOVED BY THE ENGINEER. THE USE OF EXPLOSIVES, HEADACHE BALLS AND/OR HOE-RAMS WILL NOT BE PERMITTED. THE METHOD OF REMOVAL SHALL BE APPROVED BY THE ENGINEER. PERFORM ALL WORK IN A MANNER THAT WILL NOT CUT, ELONGATE OR DAMAGE THE EXISTING REINFORCING STEEL TO BE PRESERVED. CHIPPING HAMMERS SHALL NOT BE HEAVIER THAN THE NOMINAL 90-POUND CLASS. PNEUMATIC HAMMERS SHALL NOT BE PLACED IN DIRECT CONTACT WITH REINFORCING STEEL THAT IS TO BE RETAINED IN THE REBUILT STRUCTURE. SUBMIT CONSTRUCTION PLANS ACCORDING TO CMS 501.05.

CUT LINE CONSTRUCTION JOINT PREPARATION: SAW CUT BOUNDARIES OF PROPOSED CONCRETE REMOVALS 1 INCH DEEP. REMOVE CONCRETE TO A ROUGH SURFACE. LEAVE THE EXISTING REINFORCING STEEL, IF REQUIRED IN THE PLANS, IN PLACE. PRIOR TO CONCRETE PLACEMENT. ABRASIVELY CLEAN JOINT SURFACES AND EXISTING EXPOSED REINFORCEMENT TO REMOVE LOOSE AND DISINTEGRATED CONCRETE AND LOOSE RUST. THOROUGHLY CLEAN THE JOINT SURFACE AND EXPOSED REINFORCEMENT OF ALL DIRT, DUST, RUST OR OTHER FOREIGN MATERIAL BY THE USE OF WATER, AIR UNDER PRESSURE, OR OTHER METHODS THAT PRODUCE SATISFACTORY RESULTS. EXISTING REINFORCING STEEL DOES NOT HAVE TO HAVE A BRIGHT STEEL FINISH, BUT REMOVE ALL PACK AND LOOSE RUST. THOROUGHLY DRENCH EXISTING CONCRETE SURFACES WITH CLEAN WATER AND ALLOW TO DRY TO A DAMP CONDITION BEFORE PLACING CONCRETE.

PAYMENT FOR ALL LABOR, EQUIPMENT, MATERIALS AND INCIDENTALS NECESSARY TO COMPLETE THE ABOVE WORK SHALL BE INCLUDED IN THE UNIT PRICE BID PER CUBIC YARD OF ITEM 202 - PORTIONS OF STRUCTURE REMOVED, AS PER PLAN.

EXISTING PLANS:

THE ORIGINAL CONSTRUCTION PLANS OF THE EXISTING BRIDGES ARE AVAILABLE UPON REQUEST AT THE DISTRICT 3 OFFICE OF THE OHIO DEPARTMENT OF TRANSPORTATION, ASHLAND, OH.

PLAN NAME	DATE
ERI/LOR-2-22.24/0.23	1995
ERI-2-30.51/VARIOUS SECTIONS	1992
LOR-2-0.00/VARIOUS SECTIONS	1992
ERI-2-29.12	1971
ERI-2-22.24	1971
LOR-2-0.00	1971

ITEM 518 - STRUCTURE DRAINAGE, MISC: DRAIN INSERT

THIS WORK SHALL INCLUDE CORING HOLES THROUGH THE DECK AND PLACING PVC INSERTS TO ALLOW FOR DRAINAGE. LOCATIONS SHOWN IN THE PLANS ARE APPROXIMATE AND SHALL BE APPROVED BY THE FIELD ENGINEER PRIOR TO DRILLING.

PAYMENT FOR ALL LABOR, EQUIPMENT, MATERIALS AND INCIDENTALS, NECESSARY TO COMPLETE THE ABOVE WORK SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE ABOVE ITEM.

ITEM SPECIAL - PATCHING CONCRETE BRIDGE DECK OVERLAYS WITH MICRO-SILICA MODIFIED CONCRETE

SEE PROPOSAL NOTE NUMBER 511.

THESE ITEMS SHALL CONSIST OF PATCHING PORTIONS OF CONCRETE SURFACES AS OUTLINED IN THE PLANS AND PN 511. REMOVE ALL UNSOUND MATERIAL FROM AROUND THE REPAIR AREA PRIOR TO PATCHING.

PAYMENT FOR ALL LABOR, EQUIPMENT, MATERIALS AND INCIDENTALS, NECESSARY TO COMPLETE THE ABOVE WORK SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE ABOVE ITEM.

DESIGN DATA

CONCRETE CLASS QC2 - COMPRESSIVE STRENGTH 4,500 PSI

DESIGN SPECIFICATIONS

DESIGN SPECIFICATIONS: THIS STRUCTURE CONFORMS TO "STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES" ADOPTED BY THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS, 2002, INCLUDING THE 2003-2007 INTERIM SPECIFICATIONS AND THE ODOT BRIDGE DESIGN MANUAL.

CALCULATED
JWS
CHECKED
KRB

GENERAL NOTES

D03-BH-FY2016(B)

I:\projects\87694\roadway\sheets\87694-CN001.dgn

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 UNIT PRICE FOR ITEM 614 - MAINTAINING TRAFFIC.

LANE CLOSURE RESTRICTION

S.R. 2 IS A RESTRICTED LANE CLOSURE ROUTE DUE TO HIGH TRAFFIC VOLUMES. DURING THE PROJECT DURATION, LANE CLOSURES SHALL BE PERMITTED AS LISTED ON THE ODOT WEBSITE AT:

http://plcm.dot.state.oh.us

LANE CLOSURE DISINCENTIVE

A LANE CLOSURE IS DEFINED AS ANY RESTRICTION OF A LANE OF TRAFFIC INCLUDING, BUT NOT LIMITED TO, SET-UP AND TEARDOWN OF TRAFFIC CONTROL ZONES. THE CONTRACTOR WILL BE ASSESSED A PENALTY IN THE AMOUNT OF \$50.00 PER MINUTE THAT A LANE IS CLOSED TO TRAFFIC DURING TIMES DESIGNATED AS "LANE CLOSURE NOT PERMITTED" AS STATED IN THESE PLANS.

ITEM 614, MAINTAINING TRAFFIC ON STATE ROUTE 2 (LANES OPEN DURING HOLIDAYS OR SPECIAL EVENTS)

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 THE WEEK	TIME ALL LANES MUST BE OPEN TO TRAFFIC
SUNDAY	12:00N FRIDAY THROUGH 6:00 AM MONDAY
MONDAY	12:00N FRIDAY THROUGH 6:00 AM TUESDAY
TUESDAY	12:00N MONDAY THROUGH 6:00 AM WEDNESDAY
WEDNESDAY	12:00N TUESDAY THROUGH 6:00 AM THURSDAY
THURSDAY	12:00N WEDNESDAY THROUGH 6:00 AM MONDAY
FRIDAY	12:00N THURSDAY THROUGH 6:00 AM MONDAY
SATURDAY	12:00N FRIDAY THROUGH 6:00 AM MONDAY

SHOULD THE CONTRACTOR FAIL TO MEET ANY OF THESE REQUIREMENTS, THE CONTRACTOR SHALL BE ASSESSED A DISINCENTIVE IN THE AMOUNT OF \$50 FOR EACH MINUTE THE ABOVE DESCRIBED LANE CLOSURE RESTRICTIONS ARE VIOLATED.

ITEM 614, MAINTAINING TRAFFIC: GENERAL

A MINIMUM OF ONE LANE OF TRAFFIC IN EACH DIRECTION ON SR 2 SHALL BE MAINTAINED AT ALL TIMES. ALL WORK AND TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH ITEM 614 AND OTHER APPLICABLE PORTIONS OF THE SPECIFICATIONS, PLAN DETAILS, STANDARD DRAWINGS, AND AS OUTLINED IN THE CONSTRUCTION AND MAINTENANCE SECTION OF THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES CURRENT EDITION WITH THE LATEST REVISIONS. PAYMENT FOR ALL LABOR, EQUIPMENT, MATERIALS AND INCIDENTALS (INCLUDING WORK ZONE PAVEMENT MARKINGS) SHALL BE INCLUDED IN THE LUMP SUM CONTRACT PRICE FOR ITEM 614 - MAINTAINING TRAFFIC UNLESS SEPARATELY ITEMIZED ON THIS PLAN.

THE FOLLOWING REQUIREMENTS SHALL ALSO APPLY: THE CONTRACTOR SHALL SUBMIT, IN WRITING, A SCHEDULE OF OPERATIONS TO THE ENGINEER AND RECEIVE APPROVAL BEFORE WORK IS STARTED ON THE PROJECT. PRIOR TO BEGINNING WORK, THE CONTRACTOR SHALL COORDINATE THE MAINTENANCE OF TRAFFIC OPERATIONS WITH THE LOCAL STATE HIGHWAY PATROL.

NIGHT WORK IS PERMITTED.

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

IN ADDITION TO THE REQUIREMENTS OF CMS 614 AND THE LATEST EDITION OF THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (OMUTCD), A UNIFORMED LAW ENFORCEMENT OFFICER (AND OFFICIAL PATROL CAR WITH MOUNTED EMERGENCY FLASHING LIGHTS) SHALL BE PROVIDED FOR CONTROLLING TRAFFIC FOR THE FOLLOWING TASKS AS DIRECTED BY THE ENGINEER:

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.

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

DURING A TRAFFIC SIGNAL INSTALLATION.

LAW ENFORCEMENT OFFICERS (LEO'S) SHOULD NOT BE USED WHERE THE OMUTCD INTENDS THAT FLAGGERS BE USED. 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. 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.

LEO'S 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 CONTRACTOR SHALL MAKE ARRANGEMENTS FOR THESE SERVICES AND PROVIDE 72 HOURS ADVANCE NOTICE AS REQUIRED BY THE HIGHWAY PATROL LISTED BELOW:

ERIE COUNTY LIEUTENANT DARRYL EDGE STATE HIGHWAY PATROL 511 FREMONT AVENUE SANDUSKY, OHIO 44870 PHONE: 419-625-6565 FAX: 419-625-0604	LORAIN COUNTY LIEUTENANT JOSHUA SWINDELL STATE HIGHWAY PATROL 38000 CLETUS DRIVE ELYRIA, OHIO 44035 PHONE: 440-365-5045 FAX: 440-366-5039
---	---

LAW ENFORCEMENT OFFICERS 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 QUANTITY HAS BEEN CARRIED TO THE GENERAL SUMMARY:

ITEM 614 - LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE
240 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, THEY MAY DO SO AT THEIR OWN EXPENSE.

ITEM 614 - WORKSITE TRAFFIC SUPERVISOR

SUBJECT TO APPROVAL OF THE ENGINEER, THE CONTRACTOR SHALL EMPLOY AND IDENTIFY (SOMEONE OTHER THAN THE SUPERINTENDENT) A CERTIFIED WORKSITE TRAFFIC SUPERVISOR (WTS) BEFORE STARTING WORK IN THE FIELD. THE WTS MAY BE CERTIFIED FROM ONE OF THE FOLLOWING ORGANIZATIONS:

1. AMERICAN TRAFFIC SAFETY SERVICE ASSOCIATION (ATSSA), PHONE NUMBER 1-800-272-8772, CERTIFIED TRAFFIC CONTROL SUPERVISOR (TCS).
2. NATIONAL HIGHWAY INSTITUTE, DESIGN AND OPERATION OF WORK ZONE TRAFFIC CONTROL, PHONE NUMBER 1-703- 235-0528.
3. THE OHIO CONTRACTORS ASSOCIATION, TRAFFIC CONTROL SUPERVISOR (OCA/TCS) WORK ZONE CLASS, ONLY IF TAKEN AFTER MAY 5, 2004, PHONE NUMBER 1-614-599-7915.
4. OHIO LABORERS TRAINING, TRAFFIC CONTROL SUPERVISORS CLASS, PHONE NUMBER 1-740-599-7915.

A COPY OF EACH WTS'S CERTIFICATION AND 24-HOUR CONTACT INFORMATION SHALL BE PROVIDED TO THE ENGINEER AT THE PRECONSTRUCTION CONFERENCE. IF THE DESIGNATED WTS WILL NOT BE AVAILABLE FULL TIME (24/7) THE CONTRACTOR MAY DESIGNATE AN ALTERNATE WTS TO BE AVAILABLE WHEN THE PRIMARY IS OFF DUTY. EACH WTS SHALL HAVE A CURRENT WTS CERTIFICATION (WITH AN EXPIRATION DATE NO MORE THAN 5 YEARS FROM THE DATE OF ISSUE) FROM ANY OF THE APPROVED ORGANIZATIONS.

THE WTS POSITION HAS THE RESPONSIBILITY OF MONITORING TRAFFIC CONTROL DEFICIENCIES FOR THE ENTIRE WORK ZONE. THE DUTIES OF THE WTS ARE AS FOLLOWS:

1. BE AVAILABLE ON A 24-HOUR PER DAY BASIS, AND BE ABLE TO BE ON SITE FOR ALL EMERGENCY TRAFFIC CONTROL NEEDS WITHIN ONE HOUR OF NOTIFICATION BY POLICE OR PROJECT STAFF AND BE PREPARED TO EFFECT CORRECTIVE MEASURES IMMEDIATELY ON EXISTING WORK ZONE TRAFFIC CONTROL DEVICES.

ITEM 614 - WORKSITE TRAFFIC SUPERVISOR (CONT.)

2. ATTEND PRECONSTRUCTION MEETING AND ALL PROJECT MEETINGS WHERE TRAFFIC CONTROL MANAGEMENT IS DISCUSSED.

3. BE AVAILABLE FOR MEETINGS OR DISCUSSIONS WITH THE ENGINEER UPON REQUEST OR WITHIN 36 HOURS.

4. BE AWARE OF, AND COORDINATE IF NECESSARY, ALL TRAFFIC CONTROL OPERATIONS, INCLUDING THOSE OF SUBCONTRACTORS AND SUPPLIERS.

5. COORDINATE PROJECT ACTIVITIES WITH ALL LAW ENFORCEMENT OFFICERS (LEOS). A WTS SHALL ALSO BE THE MAIN CONTACT PERSON WITH THE LEO'S WHILE THEY ARE ON THE PROJECT.

6. COORDINATE MEETINGS WITH ODOT PERSONNEL, LEO'S AND OTHER APPLICABLE ENTITIES BEFORE EACH PLAN PHASE SWITCH TO DISCUSS WORK ZONE TRAFFIC CONTROL.

7. ENSURE COMPLIANCE WITH THE CONTRACT DOCUMENTS FOR SIGNS, BARRICADES, TEMPORARY CONCRETE BARRIER, PAVEMENT MARKINGS, PORTABLE MESSAGE SIGNS, AND OTHER TRAFFIC CONTROL DEVICES ON A DAILY BASIS; AND FACILITATE ANY CORRECTIVE ACTION NECESSARY.

8. NOTIFY THE CONTRACTOR OF THE NEED FOR CLEANING AND MAINTENANCE OF ALL TRAFFIC CONTROL DEVICES, INCLUDING THE COVERING AND REMOVAL OF INAPPLICABLE SIGNS.

9. INSPECT, EVALUATE, PROPOSE NECESSARY MODIFICATIONS TO, AND DOCUMENT THE EFFECTIVENESS OF, THE TRAFFIC CONTROL DEVICES AND/OR TRAFFIC OPERATIONS ON A DAILY BASIS (7 DAYS A WEEK). IN ADDITION, A WEEKLY NIGHT INSPECTION OF THE WORK ZONE SETUP FOR DAYTIME WORK OPERATIONS; AND ONE DAYTIME INSPECTION PER WEEK FOR NIGHTTIME PROJECTS. THIS SHALL INCLUDE (BUT NOT BE LIMITED TO) DOCUMENTATION ON THE FOLLOWING PROJECT EVENTS:

- A. INITIAL TRAFFIC CONTROL SETUP (DAY AND NIGHT REVIEW).
- B. DAILY TRAFFIC CONTROL SETUP AND REMOVAL.
- C. WHEN CONSTRUCTION STAGING CAUSES A CHANGE IN THE TRAFFIC CONTROL SETUP.
- D. CRASH OCCURRENCES WITHIN THE CONSTRUCTION AREA.
- E. REMOVAL OF TRAFFIC CONTROL DEVICES AT THE END OF A PHASE OR PROJECT.
- F. ALL OTHER EMERGENCY TRAFFIC CONTROL NEEDS.

10. COMPLETE THE DEPARTMENT APPROVED LONG TERM INSPECTION FORM (CA-D-8) AFTER EACH INSPECTION AS REQUIRED IN # 9 AND SUBMIT IT TO THE ENGINEER THE FOLLOWING WORK DAY. THESE REPORTS SHALL INCLUDE A CHECKLIST OF ALL TRAFFIC CONTROL MAINTENANCE ITEMS TO BE REVIEWED. A COPY OF THE FORM WILL BE PROVIDED AT THE PRE-CONSTRUCTION MEETING. ANY DEFICIENCIES OBSERVED SHALL BE NOTED, ALONG WITH RECOMMENDED CORRECTIVE ACTIONS AND THE DATES BY WHICH SUCH CORRECTIONS WERE, OR WILL BE, COMPLETED. A COPY OF THIS DOCUMENT CAN BE FOUND IN THE DEPARTMENT OF TRANSPORTATION CONSTRUCTION INSPECTION FORMS MANUAL DATED 10/15/06 OR CURRENT REVISION.

11. VERIFY THAT ALL FLAGGING OPERATIONS ARE BEING CONDUCTED PER THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.

12. HAVE COPIES OF THE ODOT TEMPORARY TRAFFIC CONTROL MANUAL AND APPLICABLE STANDARDS AND SPECIFICATIONS INCLUDED IN THE CONTRACT DOCUMENTS AVAILABLE AT ALL TIMES ON THE PROJECT.

THE DEPARTMENT WILL NOT PAY THE UNIT PRICE BID FOR THE WTS FOR ANY DAY ON WHICH THE CONTRACTOR FAILS TO PERFORM THE DUTIES SET FORTH ABOVE. SHOULD THE CONTRACTOR'S FAILURE TO PERFORM ANY OF THE DUTIES DESCRIBED ABOVE RESULT IN A MAINTENANCE OF TRAFFIC SAFETY ISSUE, THE DEPARTMENT WILL DEDUCT THE PRORATED DAILY AMOUNT FOR ITEM 614 MAINTENANCE OF TRAFFIC FROM THE CONTRACTOR'S NEXT SCHEDULED ESTIMATE.

IF THREE OR MORE FAILURES TO PERFORM THE DUTIES SET FORTH ABOVE OCCUR, THE WTS SHALL BE IMMEDIATELY REMOVED FROM THE WORK IN ACCORDANCE WITH C&MS 108.05.

THE FOLLOWING ESTIMATED QUANTITY HAS BEEN INCLUDED FOR THE WORKSITE TRAFFIC SUPERVISOR:

ITEM 614 - WORKSITE TRAFFIC SUPERVISOR 4 MONTHS

ITEM 614 - PORTABLE CHANGEABLE MESSAGE SIGN, AS PER PLAN

THE CONTRACTOR SHALL FURNISH, INSTALL, MAINTAIN AND REMOVE, WHEN NO LONGER NEEDED, A CHANGEABLE MESSAGE SIGN, ON SITE, FOR THE DURATION OF THE PROJECT. THE SIGN SHALL BE OF A TYPE SHOWN ON A LIST OF APPROVED PCMS UNITS MAINTAINED BY THE DIRECTOR (OFFICE OF MATERIALS MANAGEMENT). THE APPROVED LIST OF PORTABLE CHANGEABLE MESSAGE SIGNS CAN BE FOUND ON THE ODOT WEBSITE BY CLICKING ON THE SERVICES MENU, THEN CLICKING ON MATERIALS MANAGEMENT. THE LIST CONTAINS CLASS A AND B UNITS WITH MINIMUM LEGIBILITY DISTANCES OF 800 FT. AND 650 FT., 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. PCMS TRAILERS SHALL BE DELINEATED ON A PERMANENT BASIS BY AFFIXING CONSPICUITY TAPE CONFORMING TO CMS 614.03, IN A CONTINUOUS LINE ON THE FACE OF THE TRAILER AS SEEN BY ONCOMING ROAD USERS.

THE PROBABLE PCMS LOCATIONS WILL BE DETERMINED BY THE ENGINEER PRIOR TO BEGINNING WORK ON THIS PROJECT. 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, FACING AWAY FROM ALL TRAFFIC, AND SHALL DISPLAY ONE OR MORE YELLOW RETROREFLECTIVE SHEETING SURFACES OF 9-INCH BY 15-INCH MINIMUM SIZE FACING 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.

ALL MESSAGES TO BE DISPLAYED ON THE SIGN WILL BE PROVIDED BY THE ENGINEER. A LIST OF ALL REQUIRED PREPROGRAMMED 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 PREPROGRAMMED 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 UNIT SHALL BE MAINTAINED IN GOOD WORKING ORDER BY THE CONTRACTOR IN ACCORDANCE WITH THE PROVISIONS OF CMS 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. THE CONTRACTOR SHALL ONLY BE PAID FOR PCMS UNITS WHEN THEY ARE IN OPERATION ON THE PROJECT AS SPECIFIED IN THE PLANS OR BY THE ENGINEER.

ITEM 614 - PORTABLE CHANGEABLE MESSAGE SIGN, AS PER PLAN 8 SIGN-MONTH

WORK OPERATIONS

IN ADDITION TO THE REQUIREMENTS OF SECTION 614 OF THE CONSTRUCTION AND MATERIAL SPECIFICATIONS THE FOLLOWING SHALL APPLY:

THE CONTRACTOR'S EQUIPMENT SHALL BE OPERATED IN THE DIRECTION OF TRAVEL WHERE PRACTICAL. THE CONTRACTOR'S VEHICLES AND EQUIPMENT SHALL BE EQUIPPED WITH AT LEAST ONE AMBER FLASHING LIGHT. AMBER LIGHT SHALL BE VISIBLE TO ALL DIRECTIONS OF TRAFFIC A MINIMUM OF 0.25 MILE.

THE CONTRACTOR SHALL ARRANGE CONSTRUCTION OPERATIONS SO AS TO PREVENT ANY INTERFERENCE TO THE CONTINUOUS FLOW OF TRAFFIC. ALL VEHICLES, EQUIPMENT, WORKERS AND THEIR ACTIVITIES ARE RESTRICTED AT ALL TIMES TO THE CLOSED LANES UNLESS OTHERWISE APPROVED BY THE ENGINEER.

MAINTENANCE OF TRAFFIC SCHEME

THE CONTRACTOR SHALL SCHEDULE THEIR WORK AND METHODS IN ORDER TO MEET THE INTENT OF THE PLANS. THE PAVEMENT SURFACES TO BE USED BY THE TRAVELING PUBLIC SHALL BE ABLE TO DRAIN FREELY. ALL COSTS TO MAINTAIN THE ROADWAY AS PER THE CONSTRUCTION AND MATERIALS SPECIFICATIONS AND THE PLANS SHALL BE INCLUDED IN ITEM 614 LUMP SUM MAINTAINING TRAFFIC UNLESS SEPARATELY ITEMIZED.

ITEM 614, MAINTAINING TRAFFIC

ALL ADVANCE WARNING SIGNS FOR ANY CONDITION WHICH RESTRICTS TRAFFIC SHALL BE ERECTED BEFORE ANY SUCH RESTRICTION IS PUT INTO EFFECT. ALL SUCH SIGNS SHALL BE COVERED OR REMOVED FROM THE VIEW OF TRAFFIC WHEN THEY ARE NOT APPLICABLE, WITH THE APPROVAL OF THE ENGINEER.

IF THE CONTRACTOR FAILS TO COMPLY WITH THE PROVISIONS FOR TRAFFIC CONTROL AS SET FORTH IN THESE PLANS OR WITH PROVISIONS OF THE ODOTCD, AND SUCH FAILURE RESULTS IN A CONDITION AT THE WORK SITE WHICH IS UNSAFE FOR TRAFFIC, THE ENGINEER SHALL SUSPEND WORK UNTIL THE CONTRACTOR COMPLIES WITH THE NECESSARY REQUIREMENTS.

ALL MAINTENANCE OF TRAFFIC SIGNS ARE PAID UNDER ITEM 614 - MAINTAINING TRAFFIC.

ITEM 614 - MAINTAINING TRAFFIC LANE CLOSURE/REDUCTION REQUIRED

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.

ITEM 614 - MAINTAINING TRAFFIC FOR FRAILEY RD. (TR 137)

TWO WAY TRAFFIC ON FRAILEY RD. SHALL BE MAINTAINED AT ALL TIMES EXCEPT THAT THROUGH TRAFFIC MAY HAVE A LANE CLOSURE DURING NORMAL WORKING HOURS USING FLAGGERS AS SHOWN ON STANDARD DRAWING MT-97.10 FOR THE PURPOSE OF PARAPET REPAIR ON STRUCTURE ERI-2-24.03.

ALL WORK AND TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH CMS 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 SEPERATELY ITEMIZED IN THE PLAN.

ITEM 614 - WORK ZONE IMPACT ATTENUATOR FOR 24" WIDE HAZARDS (UNIDIRECTIONAL):

THIS ITEM SHALL CONSIST OF FURNISHING AND INSTALLING A NON-GATING IMPACT ATTENUATOR. FURNISH AN IMPACT ATTENUATOR FROM THE OFFICE OF ROADWAY ENGINEERING APPROVED LIST FOR WORK ZONE IMPACT ATTENUATORS. THE APPROVED LIST IS AVAILABLE AT THE "ROADWAY STANDARDS: PROPRIETARY ROADSIDE SAFETY DEVICES" WEB PAGE ON THE OFFICE OF ROADWAY ENGINEERING WEBSITE.

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 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 SHALL BE INCLUDED IN THE LUMP SUM CONTRACT PRICE FOR ITEM 614, MAINTAINING TRAFFIC.

CALCULATED
JWS
CHECKED
KRB

MAINTENANCE OF TRAFFIC GENERAL NOTES

D03-BH-FY2016(B)

I:\projects\87694\roadway\sheets\87694-MN001.dgn

SHEET NUMBER											PART.		ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
3	4	7	8							01/NHS/BR								
			79								79	202	98200	79	FT	STRUCTURE REPAIR - (ERI-2-2950-L SFN: 2204932)		
			20								20	512	73500	20	SY	REMOVAL MISC.: JOINT SEAL	2	
			79								79	516	31000	79	FT	TREATING CONCRETE BRIDGE DECKS WITH GRAVITY FED RESIN		
			0.5								0.5	202	11301	0.5	CY	STRUCTURE REPAIR - (ERI-2-2950-R SFN: 2204940)		
			130								130	202	98200	130	FT	PORTIONS OF STRUCTURE REMOVED, AS PER PLAN	2	
			0.5								0.5	511	34448	0.5	CY	REMOVAL MISC.: JOINT SEAL	2	
			5								5	512	10100	5	SY	CLASS QC2 CONCRETE, BRIDGE DECK (PARAPET)		
			62								62	512	73500	62	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)		
			130								130	516	31000	130	FT	TREATING CONCRETE BRIDGE DECKS WITH GRAVITY FED RESIN		
			3.5								3.5	SPECIAL	51910000	3.5	SY	JOINT SEALER		
			76								76	202	98200	76	FT	STRUCTURE REPAIR - (LOR-2-0097-L SFN: 4707818)		
			34								34	512	73500	34	SY	REMOVAL MISC.: JOINT SEAL	2	
			427								427	516	31000	427	FT	TREATING CONCRETE BRIDGE DECKS WITH GRAVITY FED RESIN		
			18.5								18.5	SPECIAL	51910000	18.5	SY	JOINT SEALER		
			0.5								0.5	202	11301	0.5	CY	STRUCTURE REPAIR - (LOR-2-0097-R SFN: 4707796)		
			38								38	202	98200	38	FT	PORTIONS OF STRUCTURE REMOVED, AS PER PLAN	2	
			0.5								0.5	511	34448	0.5	CY	REMOVAL MISC.: JOINT SEAL	2	
			4								4	512	10100	4	SY	CLASS QC2 CONCRETE, BRIDGE DECK (PARAPET)		
			38								38	516	31000	38	FT	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)		
			3.5								3.5	SPECIAL	51910000	3.5	SY	TREATING CONCRETE BRIDGE DECKS WITH GRAVITY FED RESIN		
			76								76	202	98200	76	FT	STRUCTURE REPAIR - (LOR-2-0333-L SFN: 4707923)		
			76								76	516	31000	76	FT	REMOVAL MISC.: JOINT SEAL	2	
			76								76	202	98200	76	FT	STRUCTURE REPAIR - (LOR-2-03333-R SFN: 4707915)		
			20								20	512	73500	20	SY	REMOVAL MISC.: JOINT SEAL	2	
			76								76	516	31000	76	FT	TREATING CONCRETE BRIDGE DECKS WITH GRAVITY FED RESIN		
			4.5								4.5	SPECIAL	51910000	4.5	SY	JOINT SEALER		
240											240	614	11110	240	HR	MAINTENANCE OF TRAFFIC		
4											4	614	11500	4	MNTH	LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE		
	8										8	614	18601	8	SNMT	WORKSITE TRAFFIC SUPERVISOR	4	
											LS	614	11000	LS		INCIDENTALS		
											4	619	16000	4	MNTH	MAINTAINING TRAFFIC		
											LS	623	10000	LS		FIELD OFFICE, TYPE A		
											LS	624	10000	LS		CONSTRUCTION LAYOUT STAKES AND SURVEYING		
																MOBILIZATION		

GENERAL SUMMARY

D03-BH-FY2016(B)

I:\projects\87694\roadway\sheets\87694-GG001.dgn

AUXILIARY & LONG LINE MARKINGS

LOCATION	HIGHWAY MILES	614					646					644														SPECIAL		
		WORK ZONE LANE LINE, CLASS I, 642 PAINT	WORK ZONE CENTER LINE, CLASS II, 642 PAINT	WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT	WORK ZONE STOP LINE, CLASS I, 642 PAINT	EDGE LINE		CENTER LINE			AUXILIARY MARKINGS (740.04)																	
						TOTAL (PAY QUANTITY) (WHITE)	TOTAL (PAY QUANTITY) (YELLOW)	LANE LINE	SOLID LINE EQUIVALENT	TOTAL (PAY QUANTITY)	CHANNELIZING LINE	STOP LINE	CROSSWALK LINE	TRANSVERSE/DIAGONAL LINE (WHITE)	TRANSVERSE/DIAGONAL LINE (YELLOW)	ISLAND MARKING	RAILROAD SYMBOL MARKING	SCHOOL SYMBOL MARKING		PARKING LOT STALL MARKING	LANE ARROW				WORD ON PAVEMENT "ONLY"		DOTTED LINE, 4"	HANDICAP SYMBOL MARKING
MILE	MILE	FT	FT	MILE	MILE	MILE	MILE	MILE	FT	FT	FT	FT	FT	SQ FT	EACH	EACH	FT	LEFT	RIGHT	THROUGH	COMBINATION	72 INCH	96 INCH	FT	EACH	EACH		
ERI-2-2403-L (OVER FRAILEY ROAD)	0.03					0.03	0.03	0.03																				
ERI-2-2403-R (OVER FRAILEY ROAD)	0.03					0.03	0.03	0.03																				
ERI-2-2414-L (RAILROAD)	0.06					0.06	0.06	0.06																				
ERI-2-2414-R (RAILROAD)	0.06					0.06	0.06	0.06																				
ERI-2-2575-L (OVER CHAPPEL CREEK)	0.03					0.03	0.03	0.03																				
ERI-2-2575-R (OVER CHAPPEL CREEK)	0.03					0.03	0.03	0.03																				
ERI-2-2673-L (OVER SUGAR CREEK)	0.02					0.02	0.02	0.02																				
ERI-2-2673-R (OVER SUGAR CREEK)	0.02					0.02	0.02	0.02																				
ERI-2-2950-L (OVER SR. 60)	0.04					0.04	0.04	0.04																				
ERI-2-2950-R (OVER SR. 60)	0.04					0.09	0.09	0.04																				
LOR-2-0097-L (OVER VERMILION R.)	0.10					0.10	0.10	0.10																				
LOR-2-0097-R (OVER VERMILION R.)	0.10					0.10	0.10	0.10																				
LOR-2-0333-L (OVER BAUMHART ROAD)	0.04					0.04	0.04	0.04																				
LOR-2-0333-R (OVER BAUMHART ROAD)	0.04					0.04	0.04	0.04																				
TOTALS TO GENERAL SUMMARY	0.64					0.69	0.69	0.64																				

RAISED PAVEMENT MARKERS

LOCATION	DETAIL	RAISED PAVEMENT MARKER REMOVED	RPM	PRISMATIC RETRO-REFLECTOR TYPES				REMARKS	DETAIL	DESCRIPTION
				WHITE	TWO-WAY					
					YELLOW / YELLOW	WHITE / RED	YELLOW / RED			
EACH	EACH	EACH								
ERI-2-2403-L (OVER FRAILEY ROAD)									1	MULTILANE UNDIVIDED TYPICAL SPACING
ERI-2-2403-R (OVER FRAILEY ROAD)									2	TAPERED ACCEL. LANE
ERI-2-2414-L (RAILROAD)									3	DECELERATION LANE
ERI-2-2414-R (RAILROAD)									4	PARALLEL ACCEL LANE
ERI-2-2575-L (OVER CHAPPEL CREEK)									5	MULTILANE DIVIDED/EXPRESSWAY
ERI-2-2575-R (OVER CHAPPEL CREEK)									6	STOP APPROACH
ERI-2-2673-L (OVER SUGAR CREEK)									7	2 LANE APPR. WITH TURN LANE
ERI-2-2673-R (OVER SUGAR CREEK)									8	THROUGH APPROACH
ERI-2-2950-L (OVER SR. 60)									9	3 LANE APPR. WITH TURN LANE
ERI-2-2950-R (OVER SR. 60)									10	3 LANE DIVIDED TO 2 LANE TRANSITION
LOR-2-0097-L (OVER VERMILION R.)									11	3 LANE UNDIVIDED TO 2 LANE TRANSITION
LOR-2-0097-R (OVER VERMILION R.)									12	TWO LANE NARROW BRIDGE
LOR-2-0333-L (OVER BAUMHART ROAD)									13	TWO WAY LEFT TURN LANE
LOR-2-0333-R (OVER BAUMHART ROAD)									14	ONE LANE BRIDGE
									15	HORIZONTAL CURVE
									16	HORIZONTAL CURVE ALT.
									17	STOP APPROACH ALT.
									18	FIRE HYDRANT
									GAP	CENTER LINE AT 80 FT. TYP.
TOTALS TO GENERAL SUMMARY		0	0							NOTES

CALCULATED: JWS
 CHECKED: KRB
PAVEMENT MARKING / RPM SUB-SUMMARY
D03-BH-FY2016(B)
 7
 23

I:\projects\87694\roadway\sheet\87694-TS001.dgn

ERI-2-2403 (L) SFN: 2204711 (01/NHS/BR)					
ITEM	EXTENSION	QUANTITY	UNIT	DESCRIPTION	REFERENCE SHEET
202	11301	1	CY	PORTIONS OF STRUCTURE REMOVED, AS PER PLAN	10
202	98200	78	FT	REMOVAL MISC: JOINT SEAL	10
511	34448	1	CY	CLASS OC 2 CONCRETE, BRIDGE DECK (PARAPET)	10
512	10100	11	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)	10
516	31000	78	FT	JOINT SEALER	10
SPECIAL	51910000	18	SY	PATCHING CONCRETE BRIDGE DECK OVERLAYS WITH MICRO-SILICA MODIFIED CONCRETE	10

ERI-2-2403 (R) SFN: 2204738 (01/NHS/BR)					
ITEM	EXTENSION	QUANTITY	UNIT	DESCRIPTION	REFERENCE SHEET
202	11301	2	CY	PORTIONS OF STRUCTURE REMOVED, AS PER PLAN	11
202	98200	78	FT	REMOVAL MISC: JOINT SEAL	11
511	34448	2	CY	CLASS OC 2 CONCRETE, BRIDGE DECK (PARAPET)	11
512	10100	22	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)	11
516	31000	78	FT	JOINT SEALER	11
SPECIAL	51910000	27	SY	PATCHING CONCRETE BRIDGE DECK OVERLAYS WITH MICRO-SILICA MODIFIED CONCRETE	11

ERI-2-2414 (L) SFN: 2204754 (01/NHS/BR)					
ITEM	EXTENSION	QUANTITY	UNIT	DESCRIPTION	REFERENCE SHEET
202	11301	0.5	CY	PORTIONS OF STRUCTURE REMOVED, AS PER PLAN	12
202	98200	133	FT	REMOVAL MISC: JOINT SEAL	12
511	34448	0.5	CY	CLASS OC 2 CONCRETE, BRIDGE DECK (PARAPET)	12
512	10100	6	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)	12
512	10300	1140	SY	SEALING CONCRETE BRIDGE DECKS WITH HMMW RESIN	12
516	31000	133	FT	JOINT SEALER	12
SPECIAL	51910000	2	SY	PATCHING CONCRETE BRIDGE DECK OVERLAYS WITH MICRO-SILICA MODIFIED CONCRETE	12

ERI-2-2414 (R) SFN: 2204762 (01/NHS/BR)					
ITEM	EXTENSION	QUANTITY	UNIT	DESCRIPTION	REFERENCE SHEET
202	11301	2	CY	PORTIONS OF STRUCTURE REMOVED, AS PER PLAN	13
202	98200	133	FT	REMOVAL MISC: JOINT SEAL	13
511	34448	2	CY	CLASS OC 2 CONCRETE, BRIDGE DECK (PARAPET)	13
512	10100	25	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)	13
512	10300	1140	SY	SEALING CONCRETE BRIDGE DECKS WITH HMMW RESIN	13
516	31000	133	FT	JOINT SEALER	13
SPECIAL	51910000	12	SY	PATCHING CONCRETE BRIDGE DECK OVERLAYS WITH MICRO-SILICA MODIFIED CONCRETE	13

ERI-2-2575 (L) SFN: 2204800 (01/NHS/BR)					
ITEM	EXTENSION	QUANTITY	UNIT	DESCRIPTION	REFERENCE SHEET
202	11301	1.5	CY	PORTIONS OF STRUCTURE REMOVED, AS PER PLAN	14
202	98200	78	FT	REMOVAL MISC: JOINT SEAL	14
511	34448	1.5	CY	CLASS OC 2 CONCRETE, BRIDGE DECK (PARAPET)	14
512	10100	18	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)	14
516	31000	78	FT	JOINT SEALER	14
SPECIAL	51910000	4.5	SY	PATCHING CONCRETE BRIDGE DECK OVERLAYS WITH MICRO-SILICA MODIFIED CONCRETE	14

ERI-2-2575 (R) SFN: 2204819 (01/NHS/BR)					
ITEM	EXTENSION	QUANTITY	UNIT	DESCRIPTION	REFERENCE SHEET
202	11301	2.5	CY	PORTIONS OF STRUCTURE REMOVED, AS PER PLAN	15
202	98200	78	FT	REMOVAL MISC: JOINT SEAL	15
511	34448	2.5	CY	CLASS OC 2 CONCRETE, BRIDGE DECK (PARAPET)	15
512	10100	30	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)	15
516	31000	78	FT	JOINT SEALER	15
SPECIAL	51910000	4	SY	PATCHING CONCRETE BRIDGE DECK OVERLAYS WITH MICRO-SILICA MODIFIED CONCRETE	15

ERI-2-2673 (L) SFN: 2204851 (01/NHS/BR)					
ITEM	EXTENSION	QUANTITY	UNIT	DESCRIPTION	REFERENCE SHEET
202	98200	78	FT	REMOVAL MISC: JOINT SEAL	16
512	73500	8	SY	TREATING CONCRETE BRIDGE DECKS WITH GRAVITY FED RESIN	16
516	31000	78	FT	JOINT SEALER	16
518	62200	4	EACH	STRUCTURE DRAINAGE, MISC: DRAIN INSERT	16
SPECIAL	51910000	5	SY	PATCHING CONCRETE BRIDGE DECK OVERLAYS WITH MICRO-SILICA MODIFIED CONCRETE	16

ERI-2-2673 (R) SFN: 2204878 (01/NHS/BR)					
ITEM	EXTENSION	QUANTITY	UNIT	DESCRIPTION	REFERENCE SHEET
202	98200	78	FT	REMOVAL MISC: JOINT SEAL	17
516	31000	78	FT	JOINT SEALER	17
518	62200	4	EACH	STRUCTURE DRAINAGE, MISC: DRAIN INSERT	17
SPECIAL	51910000	4	SY	PATCHING CONCRETE BRIDGE DECK OVERLAYS WITH MICRO-SILICA MODIFIED CONCRETE	17

ERI-2-2950 (L) SFN: 2204932 (01/NHS/BR)					
ITEM	EXTENSION	QUANTITY	UNIT	DESCRIPTION	REFERENCE SHEET
202	98200	79	FT	REMOVAL MISC: JOINT SEAL	18
512	73500	20	SY	TREATING CONCRETE BRIDGE DECKS WITH GRAVITY FED RESIN	18
516	31000	79	FT	JOINT SEALER	18

ERI-2-2950 (R) SFN: 2204940 (01/NHS/BR)					
ITEM	EXTENSION	QUANTITY	UNIT	DESCRIPTION	REFERENCE SHEET
202	11301	0.5	CY	PORTIONS OF STRUCTURE REMOVED, AS PER PLAN	19
202	98200	130	FT	REMOVAL MISC: JOINT SEAL	19
511	34448	0.5	CY	CLASS OC 2 CONCRETE, BRIDGE DECK (PARAPET)	19
512	10100	5	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)	19
512	73500	62	SY	TREATING CONCRETE BRIDGE DECKS WITH GRAVITY FED RESIN	19
516	31000	130	FT	JOINT SEALER	19
SPECIAL	51910000	3.5	SY	PATCHING CONCRETE BRIDGE DECK OVERLAYS WITH MICRO-SILICA MODIFIED CONCRETE	19

LOR-2-0097 (L) SFN: 4707818 (01/NHS/BR)					
ITEM	EXTENSION	QUANTITY	UNIT	DESCRIPTION	REFERENCE SHEET
202	98200	76	FT	REMOVAL MISC: JOINT SEAL	20
512	73500	34	SY	TREATING CONCRETE BRIDGE DECKS WITH GRAVITY FED RESIN	20
516	31000	427	FT	JOINT SEALER	20
SPECIAL	51910000	18.5	SY	PATCHING CONCRETE BRIDGE DECK OVERLAYS WITH MICRO-SILICA MODIFIED CONCRETE	20

LOR-2-0097 (R) SFN: 4707796 (01/NHS/BR)					
ITEM	EXTENSION	QUANTITY	UNIT	DESCRIPTION	REFERENCE SHEET
202	11301	0.5	CY	PORTIONS OF STRUCTURE REMOVED, AS PER PLAN	21
202	98200	38	FT	REMOVAL MISC: JOINT SEAL	21
511	34448	0.5	CY	CLASS OC 2 CONCRETE, BRIDGE DECK (PARAPET)	21
512	10100	4	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)	21
516	31000	38	FT	JOINT SEALER	21
SPECIAL	51910000	3.5	SY	PATCHING CONCRETE BRIDGE DECK OVERLAYS WITH MICRO-SILICA MODIFIED CONCRETE	21

LOR-2-0333 (L) SFN: 4707923 (01/NHS/BR)					
ITEM	EXTENSION	QUANTITY	UNIT	DESCRIPTION	REFERENCE SHEET
202	98200	76	FT	REMOVAL MISC: JOINT SEAL	22
516	31000	76	FT	JOINT SEALER	22

LOR-2-0333 (R) SFN: 4707915 (01/NHS/BR)					
ITEM	EXTENSION	QUANTITY	UNIT	DESCRIPTION	REFERENCE SHEET
202	98200	76	FT	REMOVAL MISC: JOINT SEAL	23
512	73500	20	SY	TREATING CONCRETE BRIDGE DECKS WITH GRAVITY FED RESIN	23
516	31000	76	FT	JOINT SEALER	23
SPECIAL	51910000	4.5	SY	PATCHING CONCRETE BRIDGE DECK OVERLAYS WITH MICRO-SILICA MODIFIED CONCRETE	23

I:\projects\87694\roadway\sheets\87694-SS001.dgn

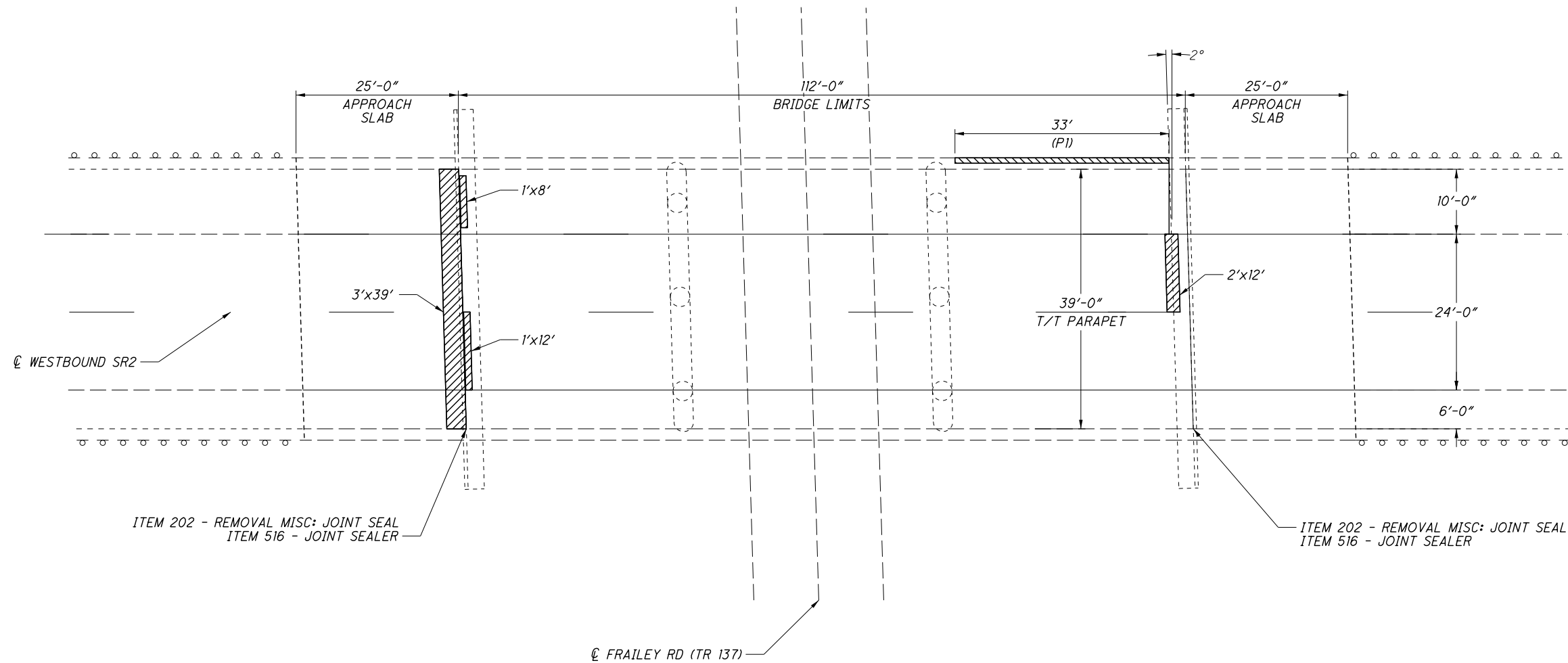
CALCULATED
 JWS
 CHECKED
 KRB

STRUCTURE SUB-SUMMARY

D03-BH-FY2016(B)
 8
 23

BRIDGE DECK DATA							ROADWAY DATA		
COUNTY, ROUTE, SECTION	STRUCTURE FILE NUMBER	LOCATION	BRIDGE TYPE	SKEW	BRIDGE LIMITS (FEET)	DECK WIDTH (FEET)	EXISTING APPROACH PAVEMENT WIDTH (FEET)	EXISTING APPROACH SLAB WIDTH (FEET)	EXISTING APPROACH SLAB LENGTH (FEET)
ERI-2-24.03 (L)	2204711	SR. 2 OVER FRAILEY ROAD	STEEL BEAM CONTINUOUS	2° R.F.	112	39	40	39	25
ERI-2-24.03 (R)	2204738	SR. 2 OVER FRAILEY ROAD	STEEL BEAM CONTINUOUS	2° R.F.	112	39	40	39	25
ERI-2-24.14 (L)	2204754	SR. 2 OVER NORFOLK SOUTHERN RR	STEEL BEAM CONTINUOUS	54° L.F.	263	39	40	39	25
ERI-2-24.14 (R)	2204762	SR. 2 OVER NORFOLK SOUTHERN RR	STEEL BEAM CONTINUOUS	54° L.F.	263	39	40	39	25
ERI-2-25.75 (L)	2204800	SR. 2 OVER CHAPPEL CREEK	CONCRETE SLAB CONTINUOUS	NONE	106	39	40	39	25
ERI-2-25.75 (R)	2204819	SR. 2 OVER CHAPPEL CREEK	CONCRETE SLAB CONTINUOUS	NONE	106	39	40	39	25
ERI-2-26.73 (L)	2204851	SR. 2 OVER SUGAR CREEK	CONCRETE SLAB CONTINUOUS	NONE	54	39	40	39	25
ERI-2-26.73 (R)	2204878	SR. 2 OVER SUGAR CREEK	CONCRETE SLAB CONTINUOUS	NONE	54	39	40	39	25
ERI-2-29.50 (L)	2204932	SR. 2 OVER SR. 60	STEEL BEAM CONTINUOUS	8° L.F.	187	39	40	39	25
ERI-2-29.50 (R)	2204940	SR. 2 OVER SR. 60	STEEL BEAM CONTINUOUS	8° L.F.	195	VARIES 66 TO 62	60	VARIES 66 TO 62	25
LOR-2-0.97 (L)	4707818	SR. 2 OVER VERMILION RIVER	STEEL BEAM CONTINUOUS	NONE	453	38	40	38	25'
LOR-2-0.97 (R)	4707796	SR. 2 OVER VERMILION RIVER	STEEL BEAM CONTINUOUS	NONE	453	38	40	38	25
LOR-2-3.33 (L)	4707923	SR. 2 OVER BAUMHART ROAD	STEEL BEAM CONTINUOUS	NONE	159	38	40	38	25
LOR-2-3.33 (R)	4707915	SR. 2 OVER BAUMHART ROAD	STEEL BEAM CONTINUOUS	NONE	159	38	40	38	25

I:\projects\87694\roadway\sheets\87694-S1001.dgn



PLAN VIEW

NOTES:

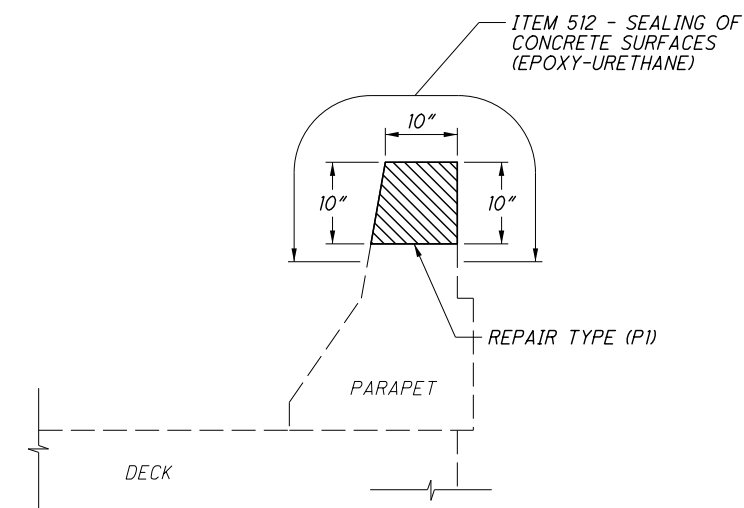
- 1) ALL EXISTING REINFORCING STEEL SHALL BE PRESERVED.
- 2) ALL SEALING SHALL BE PERFORMED AFTER ALL REPAIRS ARE MADE.
- 3) SEAL JOINT BETWEEN APPROACH SLAB AND DECK WITH RUBBERIZED CRACK SEALER USING ITEM 516 - JOINT SEALER.
- 4) REPAIR TYPE (P1) INCLUDES THE FOLLOWING ITEMS:
 ITEM 202 - PORTIONS OF STRUCTURE REMOVED, AS PER PLAN
 ITEM 511 - CLASS QC2 CONCRETE, BRIDGE DECK (PARAPET)
 ITEM 512 - SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)

LEGEND:

- : INDICATES PARAPET REPAIR LOCATION
- : INDICATES MICRO-SILICA MODIFIED CONCRETE PATCH LOCATION

ITEM	QUANTITY	UNIT	DESCRIPTION	SFN: 2204711
202	1	CY	PORTIONS OF STRUCTURE REMOVED, AS PER PLAN	
202	78	FT	REMOVAL MISC: JOINT SEAL	
511	1	CY	CLASS QC 2 CONCRETE, BRIDGE DECK (PARAPET)	
512	11	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)	
516	78	FT	JOINT SEALER	
SPECIAL	18	SY	PATCHING CONCRETE BRIDGE DECK OVERLAYS WITH MICRO-SILICA MODIFIED CONCRETE	

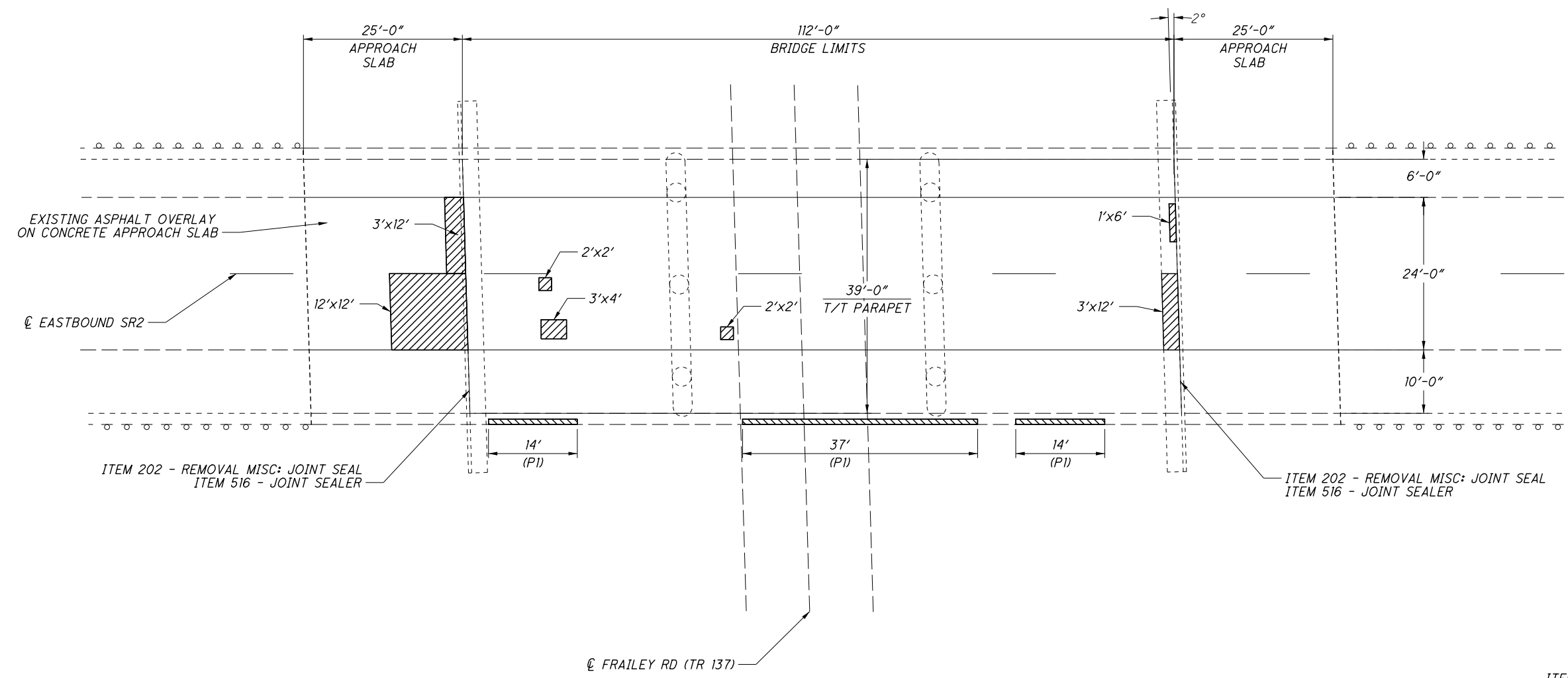
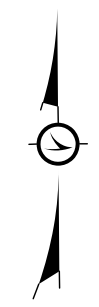
ALL QUANTITIES CARRIED TO THE STRUCTURE SUMMARY SHEET



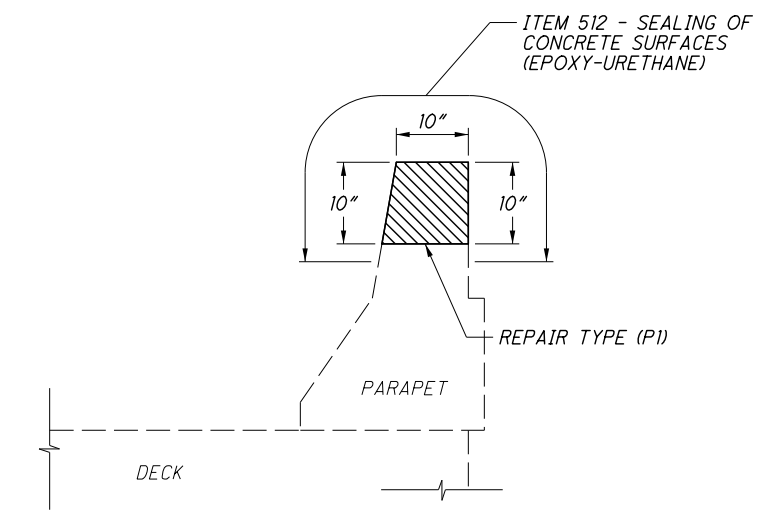
TYPICAL PARAPET REPAIR SECTIONS



I:\projects\87694\structures\ERI-2 Structures\87694GP001-ERI-2-2403.dgn



PLAN VIEW



TYPICAL PARAPET REPAIR SECTIONS

NOTES:

- 1) ALL EXISTING REINFORCING STEEL SHALL BE PRESERVED.
- 2) ALL SEALING SHALL BE PERFORMED AFTER ALL REPAIRS ARE MADE.
- 3) SEAL JOINT BETWEEN APPROACH SLAB AND DECK WITH RUBBERIZED CRACK SEALER USING ITEM 516 - JOINT SEALER.
- 4) REPAIR TYPE (P1) INCLUDES THE FOLLOWING ITEMS:
 ITEM 202 - PORTIONS OF STRUCTURE REMOVED, AS PER PLAN
 ITEM 511 - CLASS QC2 CONCRETE, BRIDGE DECK (PARAPET)
 ITEM 512 - SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)

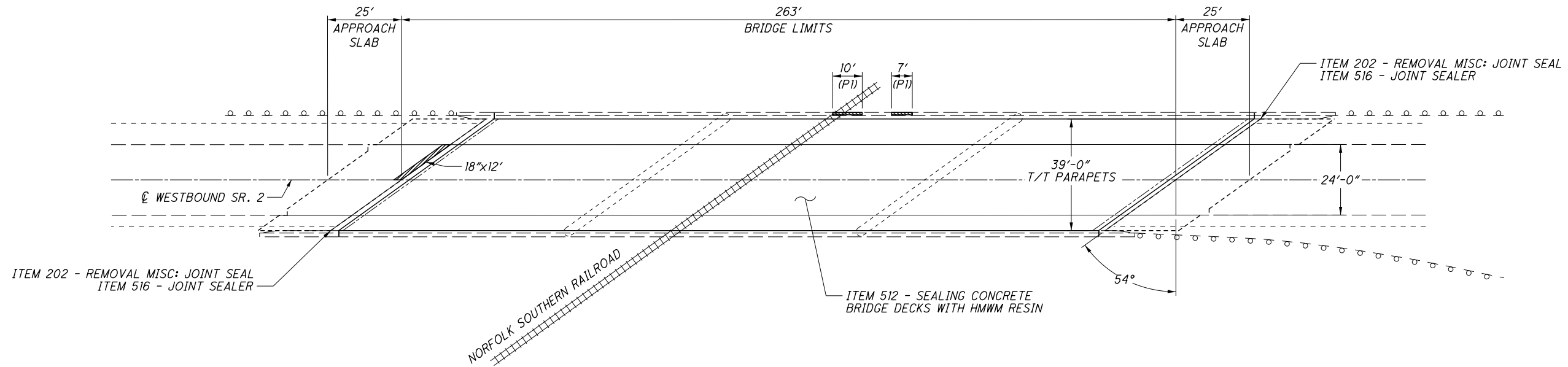
LEGEND:

- : INDICATES PARAPET REPAIR LOCATION
- : INDICATES MICRO-SILICA MODIFIED CONCRETE PATCH LOCATION

ITEM	QUANTITY	UNIT	DESCRIPTION	SFN: 2204738
202	2	CY	PORTIONS OF STRUCTURE REMOVED, AS PER PLAN	
202	78	FT	REMOVAL MISC: JOINT SEAL	
511	2	CY	CLASS QC 2 CONCRETE, BRIDGE DECK (PARAPET)	
512	22	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)	
516	78	FT	JOINT SEALER	
SPECIAL	27	SY	PATCHING CONCRETE BRIDGE DECK OVERLAYS WITH MICRO-SILICA MODIFIED CONCRETE	

ALL QUANTITIES CARRIED TO THE STRUCTURE SUMMARY SHEET

I:\projects\87694\structures\ERI-2 Structures\87694GP001-ERI-2-2403.dgn



PLAN VIEW

NOTES:

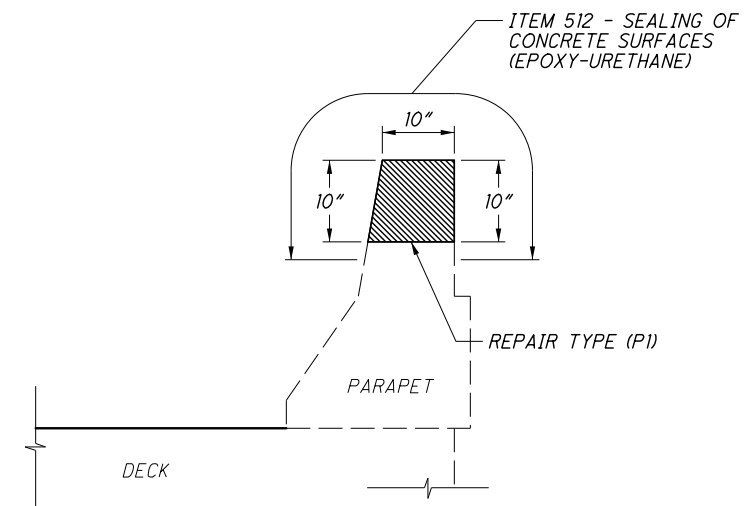
- 1) ALL EXISTING REINFORCING STEEL SHALL BE PRESERVED.
- 2) ALL SEALING SHALL BE PERFORMED AFTER ALL REPAIRS ARE MADE.
- 3) SEAL JOINT BETWEEN APPROACH SLAB AND BACKWALL WITH RUBBERIZED CRACK SEALER USING ITEM 516 - JOINT SEALER.
- 4) REPAIR TYPE (P1) INCLUDES THE FOLLOWING ITEMS:
 ITEM 202 - PORTIONS OF STRUCTURE REMOVED, AS PER PLAN
 ITEM 511 - CLASS QC2 CONCRETE, BRIDGE DECK (PARAPET)
 ITEM 512 - SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)

LEGEND:

- : INDICATES PARAPET REPAIR LOCATION
- : INDICATES MICRO-SILICA MODIFIED CONCRETE PATCH LOCATION

ITEM	QUANTITY	UNIT	DESCRIPTION	SFN: 2204754
202	0.5	CY	PORTIONS OF STRUCTURE REMOVED, AS PER PLAN	
202	133	FT	REMOVAL MISC: JOINT SEAL	
511	0.5	CY	CLASS QC 2 CONCRETE, BRIDGE DECK (PARAPET)	
512	6	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)	
512	1140	SY	SEALING CONCRETE BRIDGE DECKS WITH HMWM RESIN	
516	133	FT	JOINT SEALER	
SPECIAL	2	SY	PATCHING CONCRETE BRIDGE DECK OVERLAYS WITH MICRO-SILICA MODIFIED CONCRETE	

ALL QUANTITIES CARRIED TO THE STRUCTURE SUMMARY SHEET



TYPICAL PARAPET REPAIR SECTIONS



I:\projects\87694_structures\ERI-2_Structures\87694GP001+ERI-2-2414.dgn

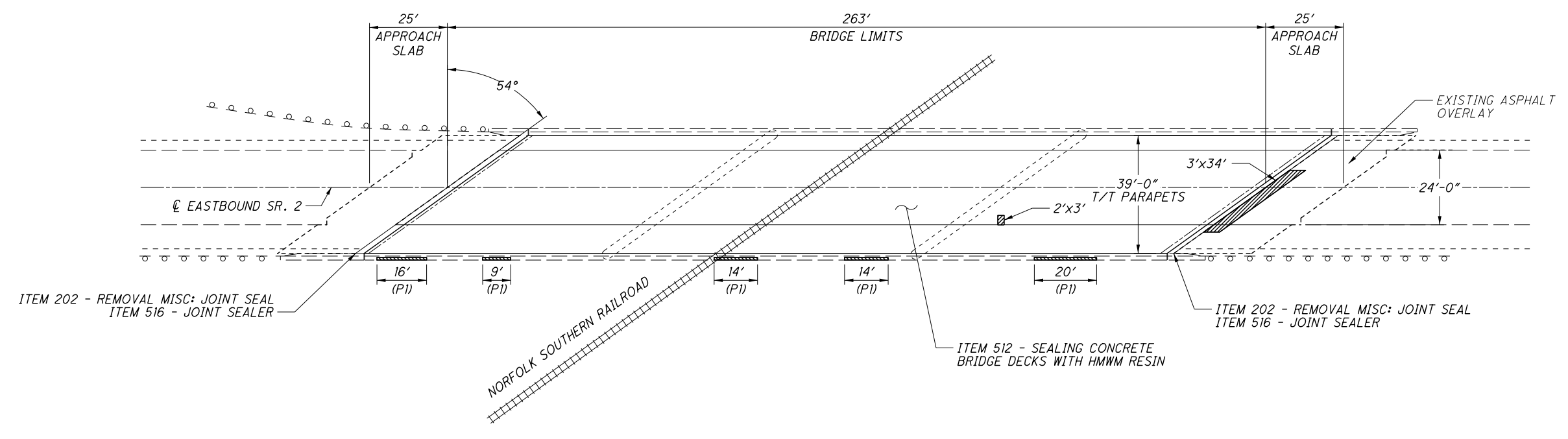
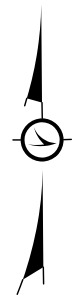
DESIGN AGENCY
 ODOT DISTRICT THREE OFFICE
 OF PLANNING AND ENGINEERING

DATE
 6/29/15
 REVIEWED
 DJV
 STRUCTURE FILE NUMBER
 2204754

DRAWN
 JWS
 REVISION
 DESIGNED
 JWS
 CHECKED
 KRB

PLAN VIEW
 ERI-2-2414L
 SR 2 OVER NORFOLK SOUTHERN RAILROAD

D03-BH-FY2016(B)



PLAN VIEW

NOTES:

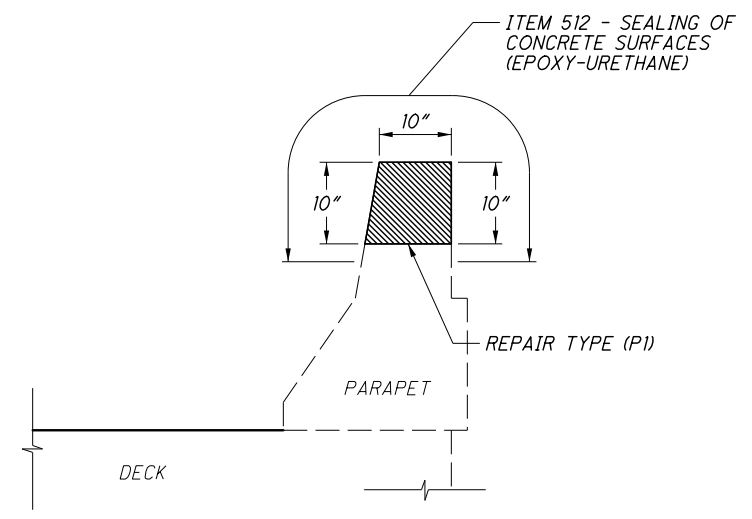
- 1) ALL EXISTING REINFORCING STEEL SHALL BE PRESERVED.
- 2) ALL SEALING SHALL BE PERFORMED AFTER ALL REPAIRS ARE MADE.
- 3) SEAL JOINT BETWEEN APPROACH SLAB AND BACKWALL WITH RUBBERIZED CRACK SEALER USING ITEM 516 - JOINT SEALER.
- 4) REPAIR TYPE (P1) INCLUDES THE FOLLOWING ITEMS:
 ITEM 202 - PORTIONS OF STRUCTURE REMOVED, AS PER PLAN
 ITEM 511 - CLASS QC2 CONCRETE, BRIDGE DECK (PARAPET)
 ITEM 512 - SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)

LEGEND:

- : INDICATES PARAPET REPAIR LOCATION
- : INDICATES MICRO-SILICA MODIFIED CONCRETE PATCH LOCATION

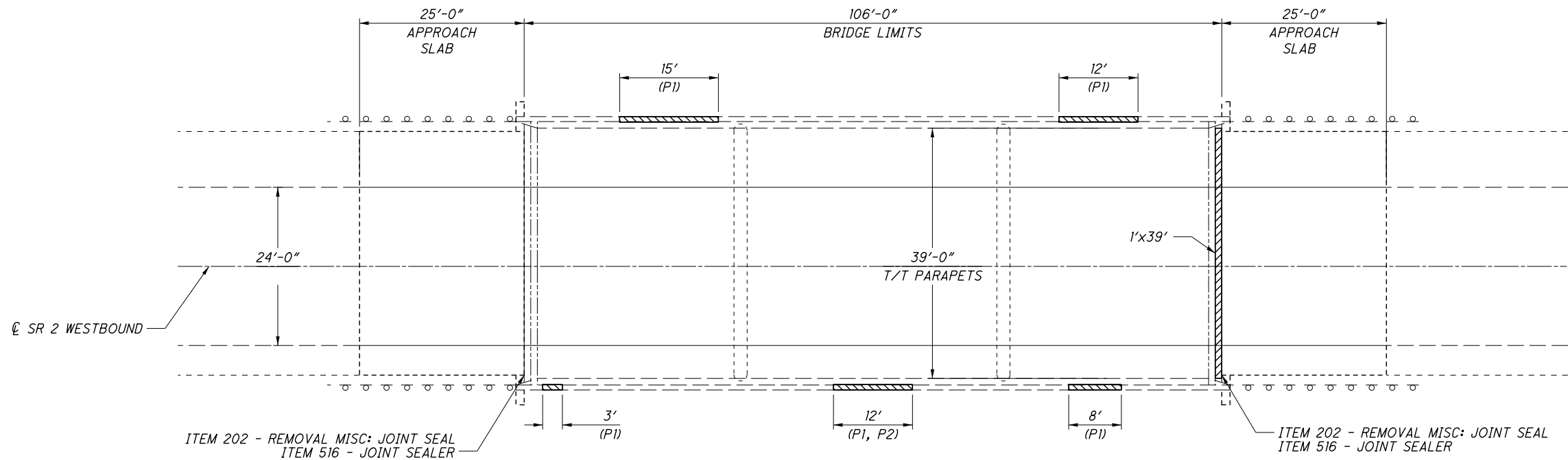
ITEM	QUANTITY	UNIT	DESCRIPTION	SFN: 2204762
202	2	CY	PORTIONS OF STRUCTURE REMOVED, AS PER PLAN	
202	133	FT	REMOVAL MISC: JOINT SEAL	
511	2	CY	CLASS QC 2 CONCRETE, BRIDGE DECK (PARAPET)	
512	25	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)	
512	1140	SY	SEALING CONCRETE BRIDGE DECKS WITH HMW RESIN	
516	133	FT	JOINT SEALER	
SPECIAL	12	SY	PATCHING CONCRETE BRIDGE DECK OVERLAYS WITH MICRO-SILICA MODIFIED CONCRETE	

ALL QUANTITIES CARRIED TO THE STRUCTURE SUMMARY SHEET



TYPICAL PARAPET REPAIR SECTIONS

I:\projects\87694\structures\ERI-2 Structures\87694GP001-ERI-2-2414.dgn



PLAN VIEW

NOTES:

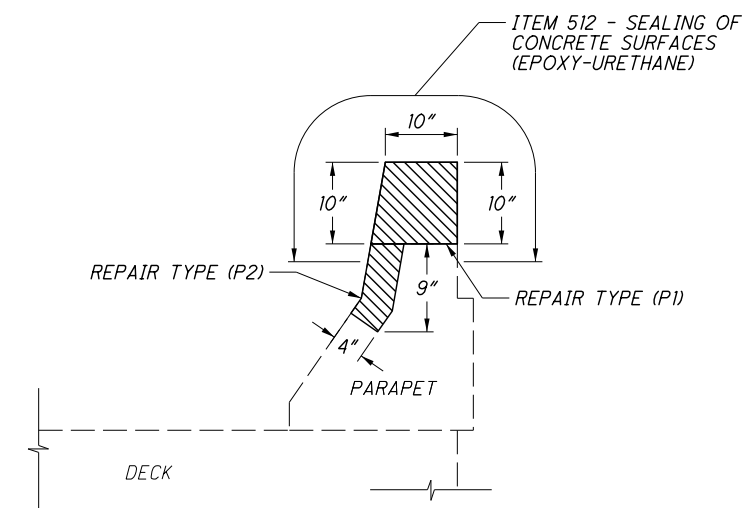
- 1) ALL EXISTING REINFORCING STEEL SHALL BE PRESERVED.
- 2) ALL SEALING SHALL BE PERFORMED AFTER ALL REPAIRS ARE MADE.
- 3) SEAL JOINT BETWEEN APPROACH SLAB AND DECK WITH RUBBERIZED CRACK SEALER USING ITEM 516 - JOINT SEALER.
- 4) REPAIR TYPES (P1 & P2) INCLUDE THE FOLLOWING ITEMS:
 ITEM 202 - PORTIONS OF STRUCTURE REMOVED, AS PER PLAN
 ITEM 511 - CLASS QC2 CONCRETE, BRIDGE DECK (PARAPET)
 ITEM 512 - SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)

LEGEND:

- : INDICATES PARAPET REPAIR LOCATIONS
- : INDICATES MICRO-SILICA MODIFIED CONCRETE PATCH LOCATION

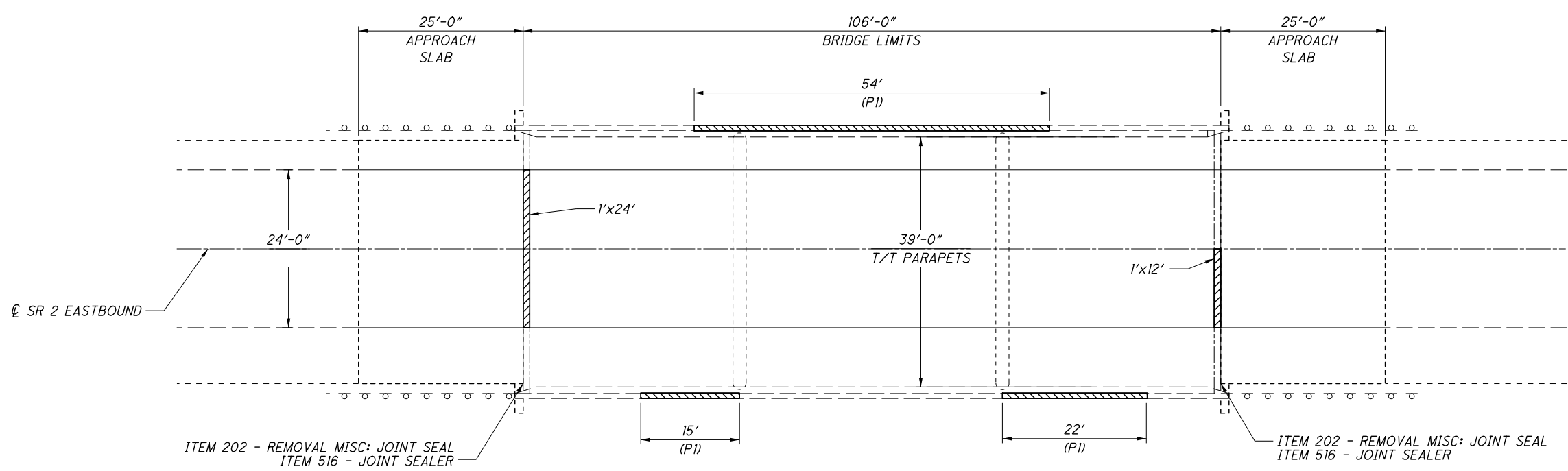
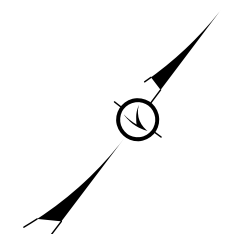
ITEM	QUANTITY	UNIT	DESCRIPTION	SFN: 2204800
202	1.5	CY	PORTIONS OF STRUCTURE REMOVED, AS PER PLAN	
202	78	FT	REMOVAL MISC: JOINT SEAL	
511	1.5	CY	CLASS QC 2 CONCRETE, BRIDGE DECK (PARAPET)	
512	18	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)	
516	78	FT	JOINT SEALER	
SPECIAL	4.5	SY	PATCHING CONCRETE BRIDGE DECK OVERLAYS WITH MICRO-SILICA MODIFIED CONCRETE	

ALL QUANTITIES CARRIED TO THE STRUCTURE SUMMARY SHEET

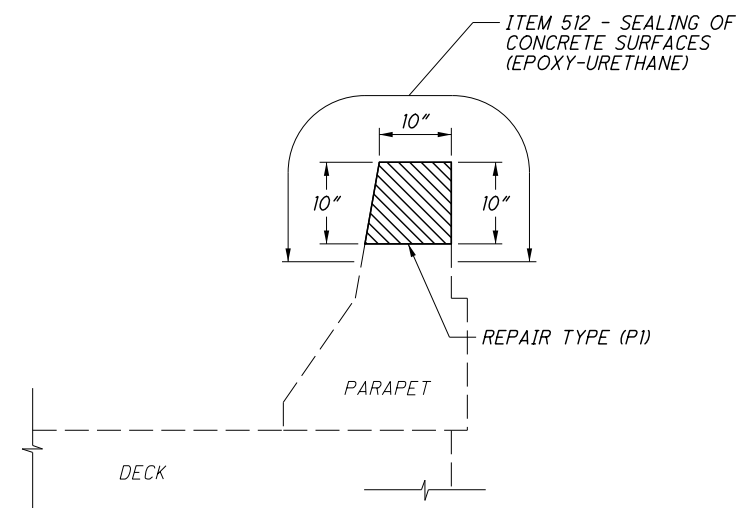


TYPICAL PARAPET REPAIR SECTIONS

I:\projects\87694\structures\ERI-2 Structures\87694\GP001-ERI-2-2575.dgn



PLAN VIEW



TYPICAL PARAPET REPAIR SECTIONS

NOTES:

- 1) ALL EXISTING REINFORCING STEEL SHALL BE PRESERVED.
- 2) ALL SEALING SHALL BE PERFORMED AFTER ALL REPAIRS ARE MADE.
- 3) SEAL JOINT BETWEEN APPROACH SLAB AND DECK WITH RUBBERIZED CRACK SEALER USING ITEM 516 - JOINT SEALER.
- 4) REPAIR TYPE (P1) INCLUDES THE FOLLOWING ITEMS:
 ITEM 202 - PORTIONS OF STRUCTURE REMOVED, AS PER PLAN
 ITEM 511 - CLASS QC2 CONCRETE, BRIDGE DECK (PARAPET)
 ITEM 512 - SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)

LEGEND:

- : INDICATES PARAPET REPAIR LOCATION
- : INDICATES MICRO-SILICA MODIFIED CONCRETE PATCH LOCATION

ITEM	QUANTITY	UNIT	DESCRIPTION	SN: 2204819
202	2.5	CY	PORTIONS OF STRUCTURE REMOVED, AS PER PLAN	
202	78	FT	REMOVAL MISC: JOINT SEAL	
511	2.5	CY	CLASS QC 2 CONCRETE, BRIDGE DECK (PARAPET)	
512	30	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)	
516	78	FT	JOINT SEALER	
SPECIAL	4	SY	PATCHING CONCRETE BRIDGE DECK OVERLAYS WITH MICRO-SILICA MODIFIED CONCRETE	

ALL QUANTITIES CARRIED TO THE STRUCTURE SUMMARY SHEET

DESIGN AGENCY
ODOT DISTRICT THREE OFFICE
OF PLANNING AND ENGINEERING

DATE
6/29/15

REVIEWED
DJV
STRUCTURE FILE NUMBER
2204819

DRAWN
JWS
REVISED

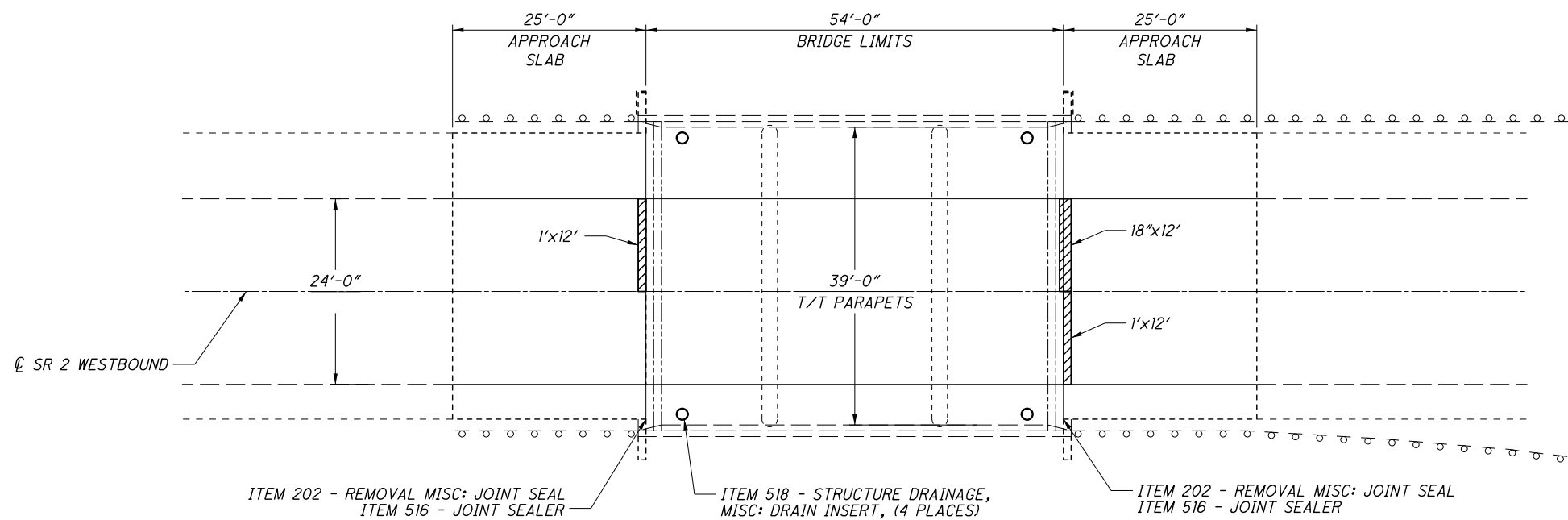
DESIGNED
JWS
CHECKED
KRB

PLAN VIEW
ERI-2-2575R
SR 2 OVER CHAPPEL CREEK

D03-BH-FY2016(B)

15
23

I:\projects\87694\structures\ERI-2 Structures\87694GP001-ERI-2-2575.dgn



PLAN VIEW

NOTES:

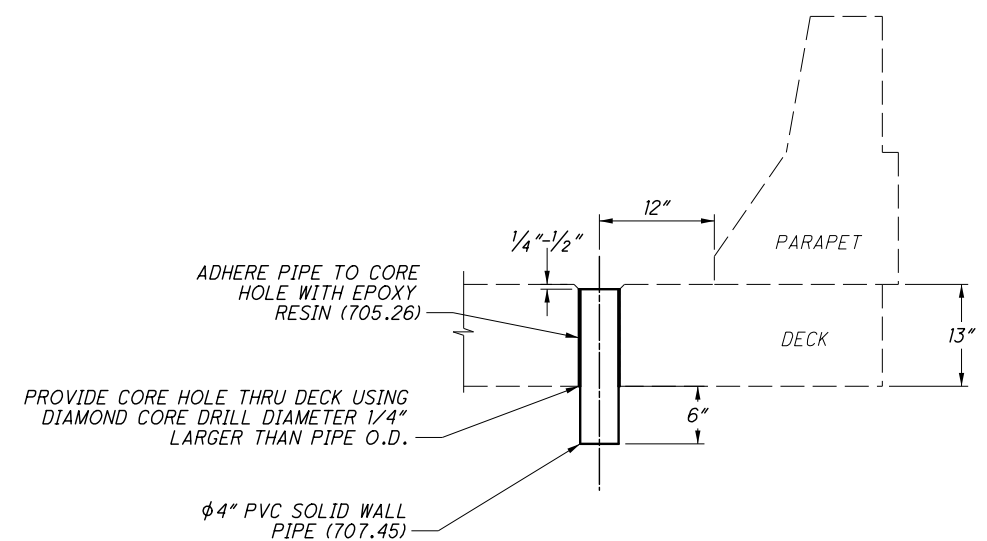
- 1) AN ADDITIONAL QUANTITY OF ITEM 512 IS INCLUDED FOR SEALING WIDE CRACKS IN DECK WITH GRAVITY FED RESIN.
- 2) SEAL JOINT BETWEEN APPROACH SLAB AND DECK WITH RUBBERIZED CRACK SEALER USING ITEM 516 - JOINT SEALER.

LEGEND:

: INDICATES MICRO-SILICA MODIFIED CONCRETE PATCH LOCATION

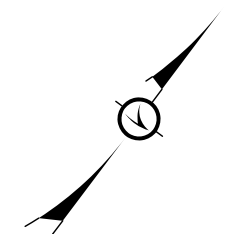
ITEM	QUANTITY	UNIT	DESCRIPTION SFN: 2204851
202	78	FT	REMOVAL MISC: JOINT SEAL
512	8	SY	TREATING CONCRETE BRIDGE DECKS WITH GRAVITY FED RESIN
516	78	FT	JOINT SEALER
518	4	EACH	STRUCTURE DRAINAGE, MISC: DRAIN INSERT
SPECIAL	5	SY	PATCHING CONCRETE BRIDGE DECK OVERLAYS WITH MICRO-SILICA MODIFIED CONCRETE

ALL QUANTITIES CARRIED TO THE STRUCTURE SUMMARY SHEET



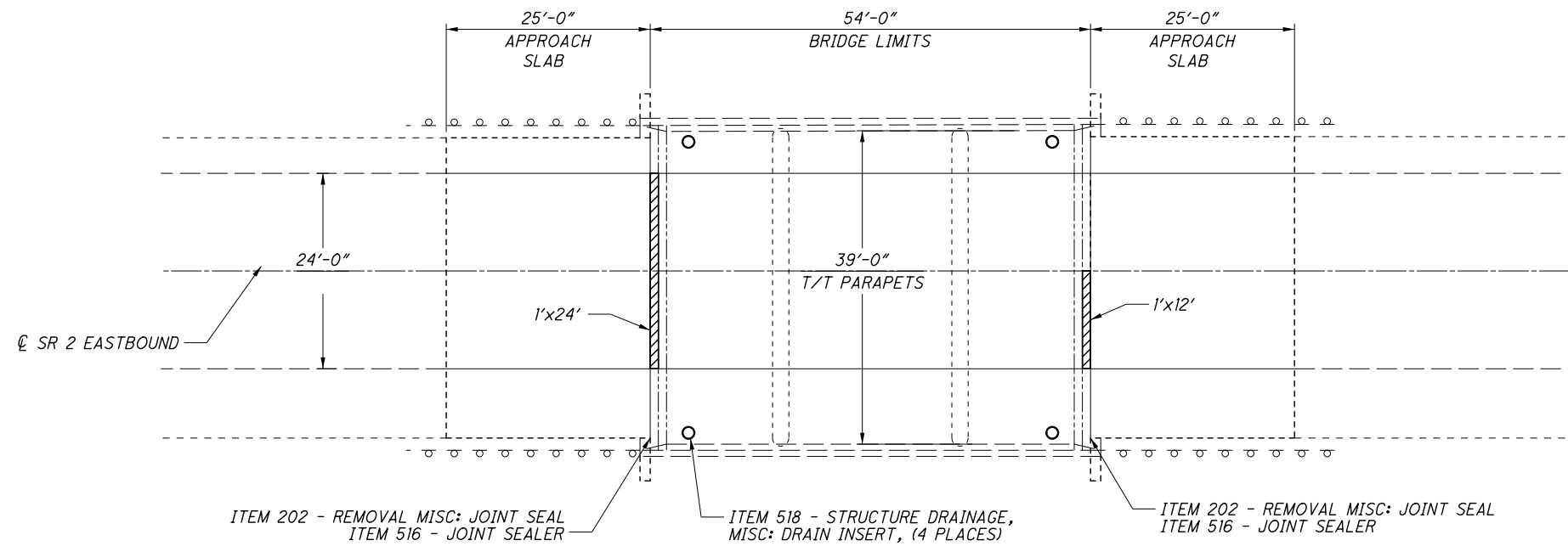
TYPICAL DECK DRAINAGE DETAIL

ALL WORK SHOWN IN THIS DETAIL TO BE INCLUDED WITH ITEM 518 - STRUCTURE DRAINAGE, MISC: DRAIN INSERT



I:\projects\87694_structures\ERI-2_Structures\87694GP001-ERI-2-2673.dgn

<p>PLAN VIEW ERI-2-2673L SR 2 OVER SUGAR CREEK</p>	<p>DESIGN AGENCY ODOT DISTRICT THREE OFFICE OF PLANNING AND ENGINEERING</p>	<p>DESIGNED JWS CHECKED KRB</p>	<p>DRAWN JWS REVISED</p>	<p>REVIEWED DJV STRUCTURE FILE NUMBER 2204851</p>	<p>DATE 6/29/15</p>
<p>D03-BH-FY2016(B)</p>		<p>16 23</p>			



PLAN VIEW

NOTES:

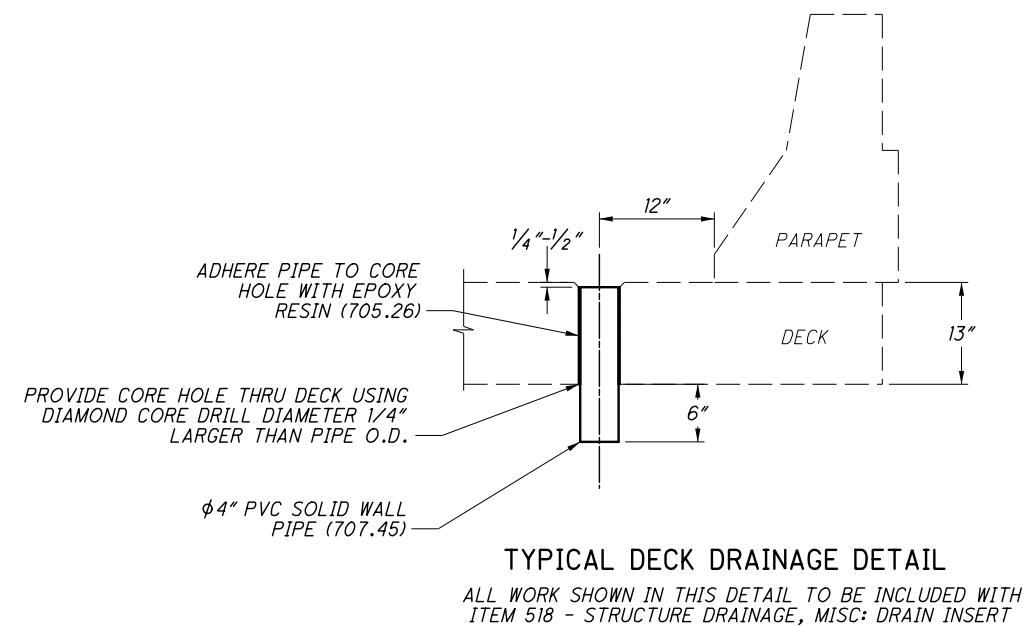
1) SEAL JOINT BETWEEN APPROACH SLAB AND DECK WITH RUBBERIZED CRACK SEALER USING ITEM 516 - JOINT SEALER.

LEGEND:

▨ : INDICATES MICRO-SILICA MODIFIED CONCRETE PATCH LOCATION

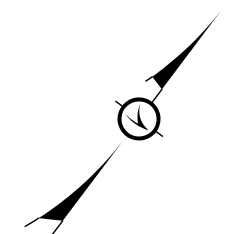
ITEM	QUANTITY	UNIT	DESCRIPTION	SFN: 2204878
202	78	FT	REMOVAL MISC: JOINT SEAL	
516	78	FT	JOINT SEALER	
518	4	EACH	STRUCTURE DRAINAGE, MISC: DRAIN INSERT	
SPECIAL	4	SY	PATCHING CONCRETE BRIDGE DECK OVERLAYS WITH MICRO-SILICA MODIFIED CONCRETE	

ALL QUANTITIES CARRIED TO THE STRUCTURE SUMMARY SHEET



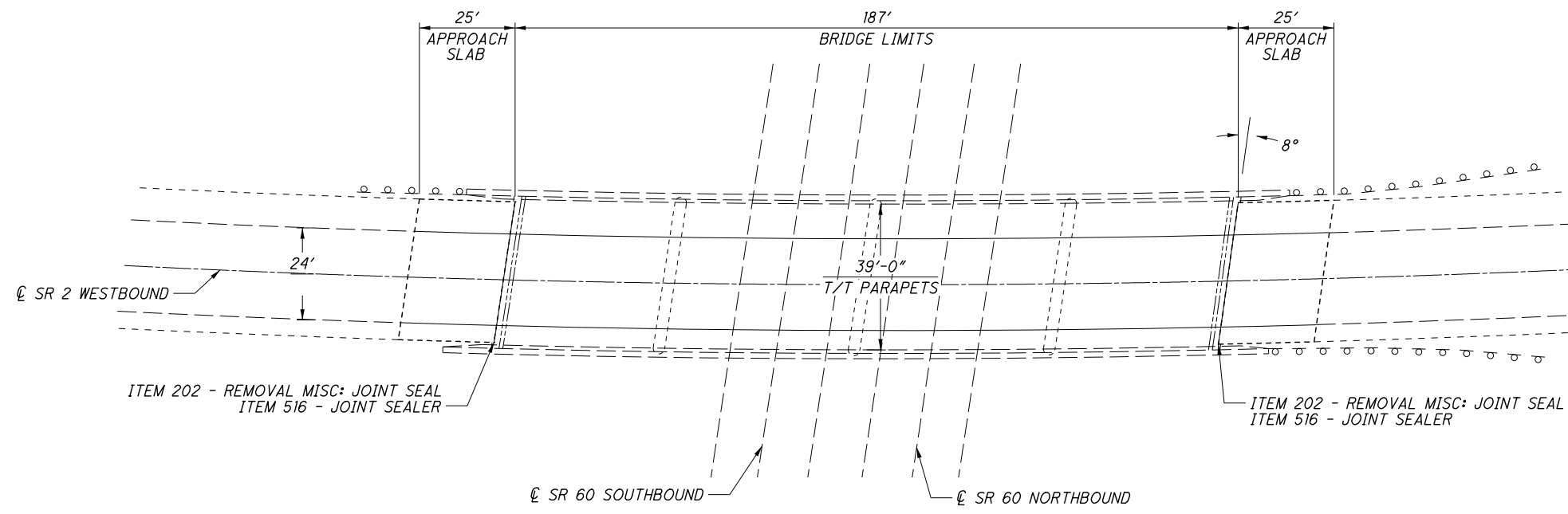
TYPICAL DECK DRAINAGE DETAIL

ALL WORK SHOWN IN THIS DETAIL TO BE INCLUDED WITH ITEM 518 - STRUCTURE DRAINAGE, MISC: DRAIN INSERT



I:\projects\87694\structures\ERI-2 Structures\87694GP001-ERI-2-2673.dgn

PLAN VIEW	ERI-2-2673R SR 2 OVER SUGAR CREEK	DESIGN AGENCY ODOT DISTRICT THREE OFFICE OF PLANNING AND ENGINEERING
D03-BH-FY2016(B)		
17 23		



PLAN VIEW

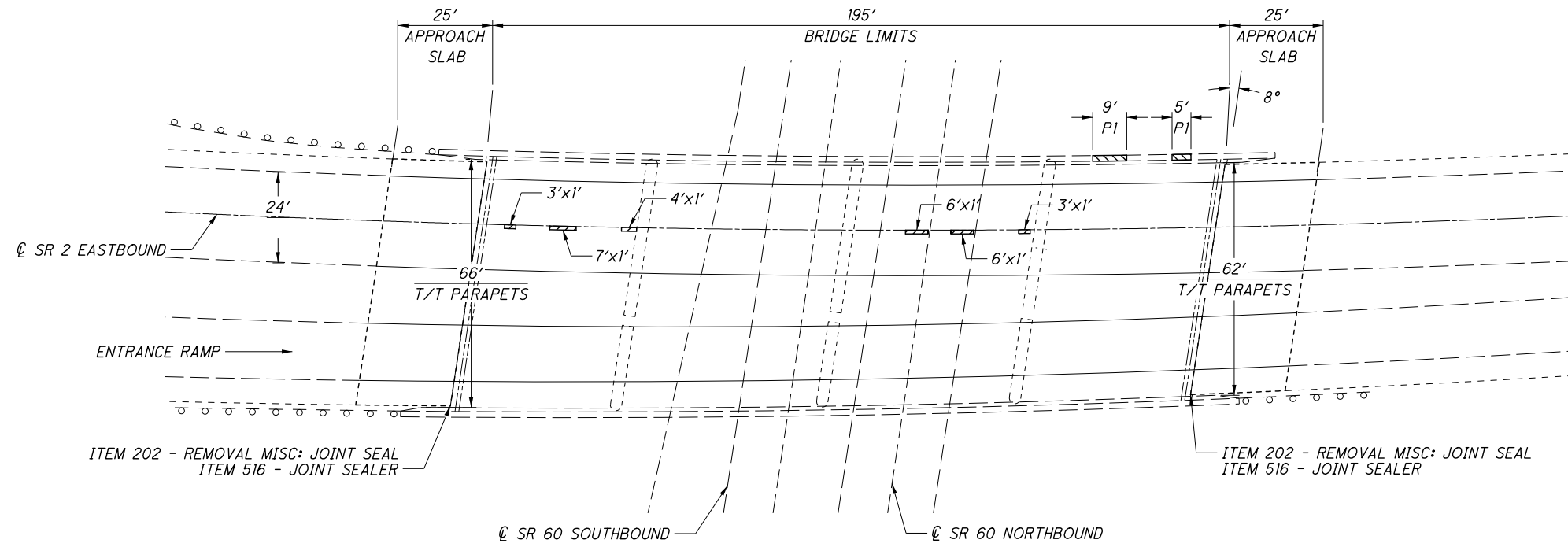
NOTES:

- 1) SEAL JOINT BETWEEN APPROACH SLAB AND BACKWALL WITH RUBBERIZED CRACK SEALER USING ITEM 516 - JOINT SEALER.
- 2) ITEM 512 - TREATING CONCRETE BRIDGE DECKS WITH GRAVITY FED RESIN (15 x 12' x 1' = 20 SY) HAS BEEN INCLUDED AND SHALL BE PLACED AS DIRECTED BY THE ENGINEER

ITEM	QUANTITY	UNIT	DESCRIPTION	SFN: 2204932
202	79	FT	REMOVAL MISC: JOINT SEAL	
512	20	SY	TREATING CONCRETE BRIDGE DECKS WITH GRAVITY FED RESIN	
516	79	FT	JOINT SEALER	

ALL QUANTITIES CARRIED TO THE STRUCTURE SUMMARY SHEET

I:\projects\87694\structures\ERI-2 Structures\87694GP001-ERI-2-2950.dgn



PLAN VIEW

NOTES:

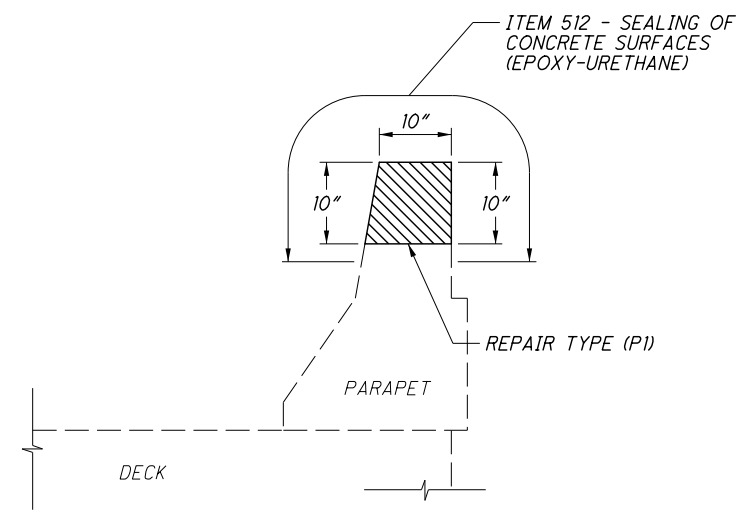
- 1) ALL EXISTING REINFORCING STEEL SHALL BE PRESERVED.
- 2) ALL SEALING SHALL BE PERFORMED AFTER ALL REPAIRS ARE MADE.
- 3) SEAL JOINT BETWEEN APPROACH SLAB AND BACKWALL WITH RUBBERIZED CRACK SEALER USING ITEM 516 - JOINT SEALER.
- 4) REPAIR TYPE (P1) INCLUDES THE FOLLOWING ITEMS:
 ITEM 202 - PORTIONS OF STRUCTURE REMOVED, AS PER PLAN
 ITEM 511 - CLASS QC2 CONCRETE, BRIDGE DECK (PARAPET)
 ITEM 512 - SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)
- 5) ITEM 512 - TREATING CONCRETE BRIDGE DECKS WITH GRAVITY FED RESIN (14 x 12' x 1' = 19 SY) & 1' WIDE x 2x LENGTH OF BRIDGE TO CLOSE UP CLOSURE POUR (WEARING SURFACE CONSTRUCTION JOINT) OR AS OTHERWISE DIRECTED BY THE ENGINEER.

LEGEND:

- : INDICATES PARAPET REPAIR LOCATION
- : INDICATES MICRO-SILICA MODIFIED CONCRETE PATCH LOCATION

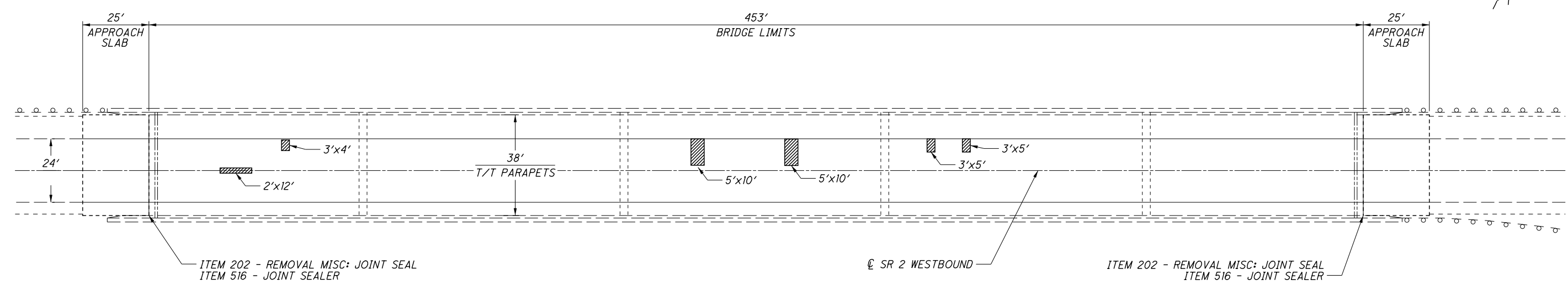
ITEM	QUANTITY	UNIT	DESCRIPTION	SFN: 2204940
202	0.5	CY	PORTIONS OF STRUCTURE REMOVED, AS PER PLAN	
202	130	FT	REMOVAL MISC: JOINT SEAL	
511	0.5	CY	CLASS QC 2 CONCRETE, BRIDGE DECK (PARAPET)	
512	5	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)	
512	62	SY	TREATING CONCRETE BRIDGE DECKS WITH GRAVITY FED RESIN	
516	130	FT	JOINT SEALER	
SPECIAL	3.5	SY	PATCHING CONCRETE BRIDGE DECK OVERLAYS WITH MICRO-SILICA MODIFIED CONCRETE	

ALL QUANTITIES CARRIED TO THE STRUCTURE SUMMARY SHEET



TYPICAL PARAPET REPAIR SECTIONS

I:\projects\87694\structures\ERI-2 Structures\87694\PO01-ERI-2-2950.dgn



PLAN VIEW

NOTES:

- 1) ALL EXISTING REINFORCING STEEL SHALL BE PRESERVED.
- 2) SEAL JOINT BETWEEN APPROACH SLAB AND BACKWALL WITH RUBBERIZED CRACK SEALER USING ITEM 516 - JOINT SEALER.
- 3) AN ADDITIONAL QUANTITY OF ITEM 516 - JOINT SEALER HAS BEEN INCLUDED FOR APPROACH PAVEMENT REPAIRS AS DIRECTED BY THE ENGINEER.
- 4) ITEM 512 - TREATING CONCRETE BRIDGE DECKS WITH GRAVITY FED RESIN
 DRIVING LANE TRANSVERSE CRACKS: 10 PLACES (12' X 1')
 FORWARD APPROACH: (180' X 1')
 OR AS OTHERWISE DIRECTED BY THE ENGINEER.
- 5) THE REST AREA ENTRANCE RAMP BEGINS JUST TO THE WEST OF THE STRUCTURE.

LEGEND:

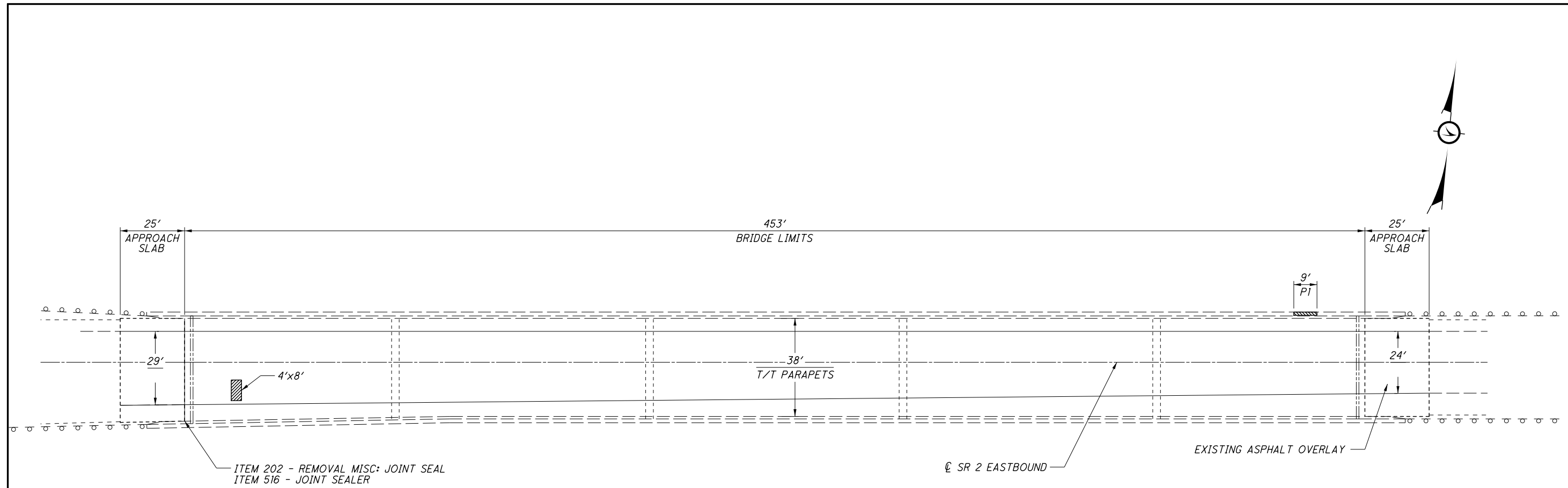
: INDICATES MICRO-SILICA MODIFIED CONCRETE PATCH LOCATION

ITEM	QUANTITY	UNIT	DESCRIPTION SFN: 4707818
202	76	FT	REMOVAL MISC: JOINT SEAL
512	34	SY	TREATING CONCRETE BRIDGE DECKS WITH GRAVITY FED RESIN
516	427	FT	JOINT SEALER
SPECIAL	18.5	SY	PATCHING CONCRETE BRIDGE DECK OVERLAYS WITH MICRO-SILICA MODIFIED CONCRETE

ALL QUANTITIES CARRIED TO THE STRUCTURE SUMMARY SHEET

I:\projects\87694_structures\LOR-2_structures\87694CP001-LOR-2-0097.dgn

I:\projects\87694\structures\LOR-2_Structures\87694CP001-LOR-2-0097.dgn



PLAN VIEW

NOTES:

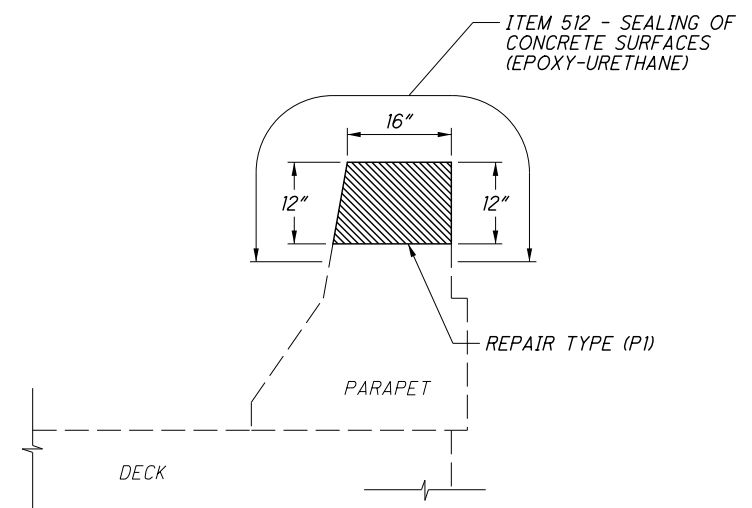
- 1) ALL EXISTING REINFORCING STEEL SHALL BE PRESERVED.
- 2) ALL SEALING SHALL BE PERFORMED AFTER ALL REPAIRS ARE MADE.
- 3) SEAL JOINT BETWEEN APPROACH SLAB AND BACKWALL WITH RUBBERIZED CRACK SEALER USING ITEM 516 - JOINT SEALER.
- 4) REPAIR TYPE (P1) INCLUDES THE FOLLOWING ITEMS:
 ITEM 202 - PORTIONS OF STRUCTURE REMOVED, AS PER PLAN
 ITEM 511 - CLASS QC2 CONCRETE, BRIDGE DECK (PARAPET)
 ITEM 512 - SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)
- 5) THE REST AREA EXIT RAMP MERGES WITH THE DRIVING LANE IMMEDIATELY PRIOR TO APPROACHING THE STRUCTURE.

LEGEND:

- : INDICATES PARAPET REPAIR LOCATION
- : INDICATES MICRO-SILICA MODIFIED CONCRETE PATCH LOCATION

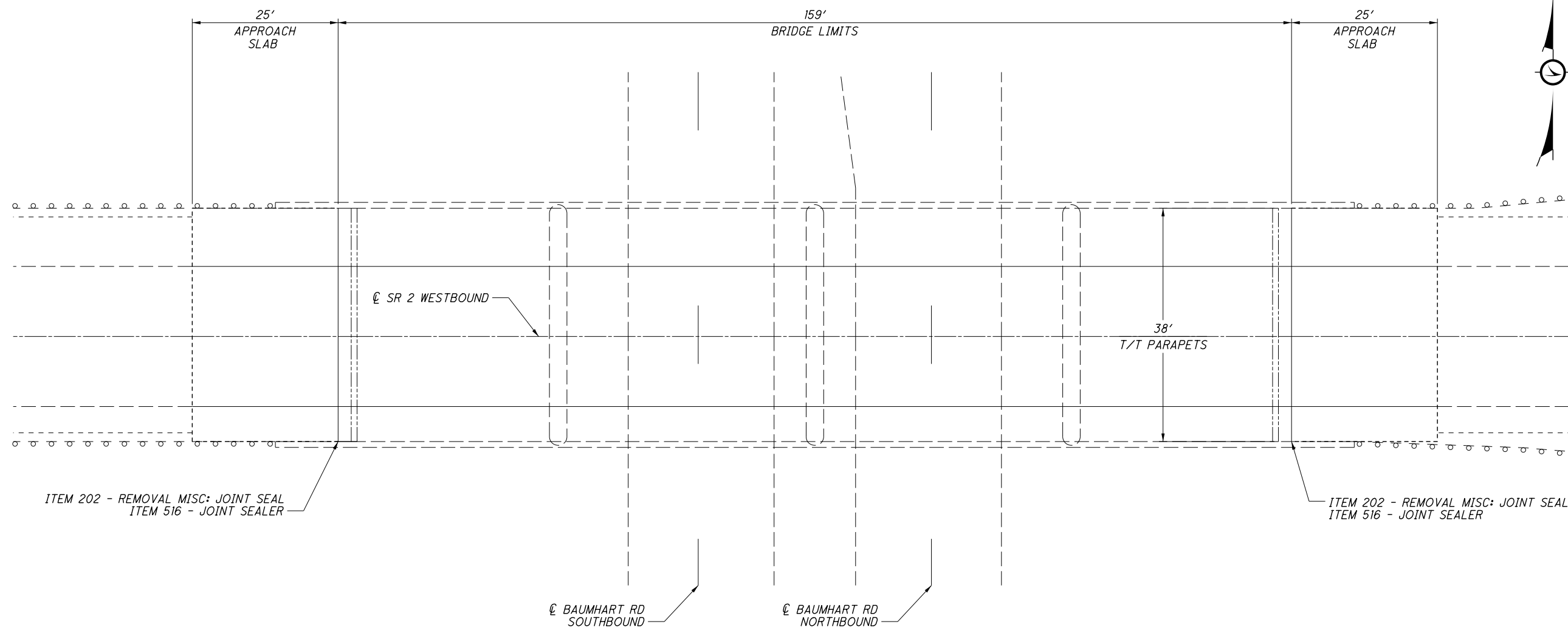
ITEM	QUANTITY	UNIT	DESCRIPTION	SFN: 4707796
202	0.5	CY	PORTIONS OF STRUCTURE REMOVED, AS PER PLAN	
202	38	FT	REMOVAL MISC: JOINT SEAL	
511	0.5	CY	CLASS QC 2 CONCRETE, BRIDGE DECK (PARAPET)	
512	4	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)	
516	38	FT	JOINT SEALER	
SPECIAL	3.5	SY	PATCHING CONCRETE BRIDGE DECK OVERLAYS WITH MICRO-SILICA MODIFIED CONCRETE	

ALL QUANTITIES CARRIED TO THE STRUCTURE SUMMARY SHEET



TYPICAL PARAPET REPAIR SECTIONS

DESIGN AGENCY	ODOT DISTRICT THREE OFFICE OF PLANNING AND ENGINEERING
DATE	6/29/15
REVIEWED	DJV
DRAWN	JWS
DESIGNED	JWS
CHECKED	KRB
STRUCTURE FILE NUMBER	4707796
REVISIONS	
PLAN VIEW	LOR-2-0097R
SR 2 OVER VERMILION RIVER	
D03-BH-FY2016(B)	
21	23



PLAN VIEW

NOTES:

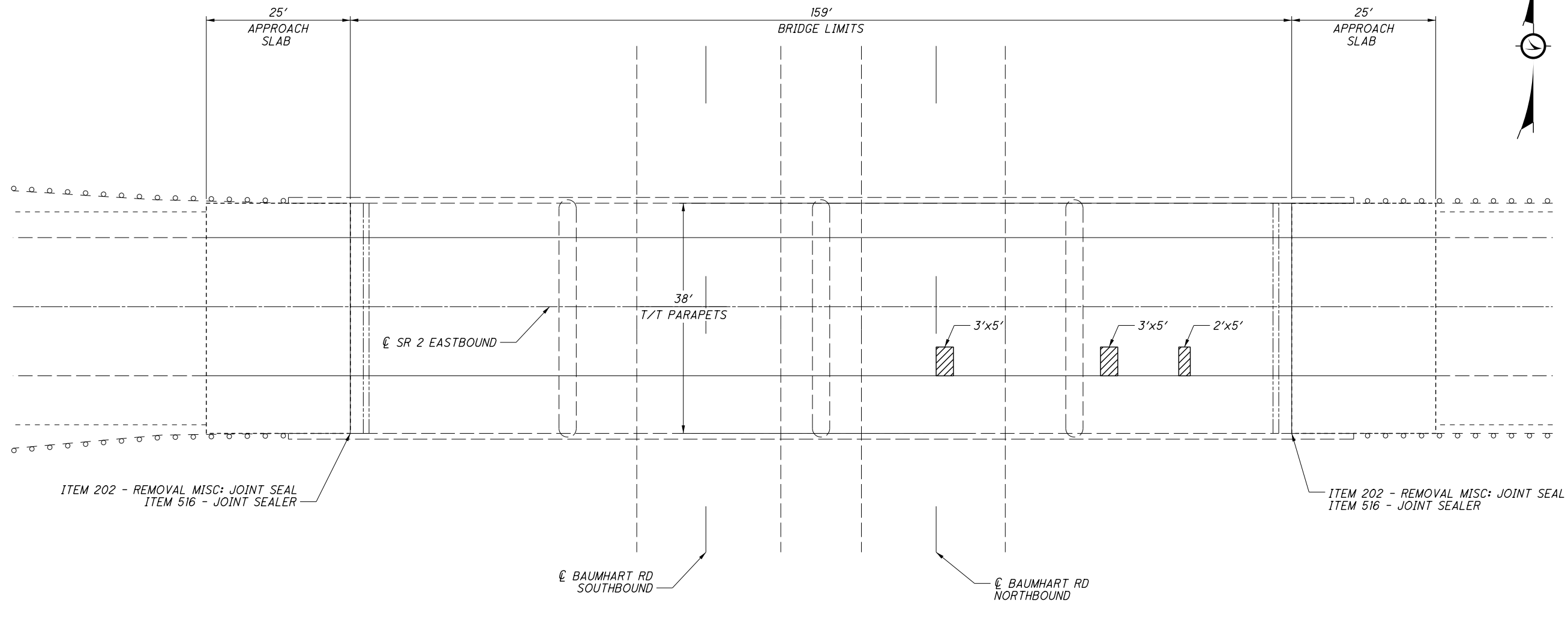
SEAL JOINT BETWEEN APPROACH SLAB AND BACKWALL WITH RUBBERIZED CRACK SEALER USING ITEM 516 - JOINT SEALER.

ITEM	QUANTITY	UNIT	DESCRIPTION	SFN: 4707923
202	76	FT	REMOVAL MISC: JOINT SEAL	
516	76	FT	JOINT SEALER	

ALL QUANTITIES CARRIED TO THE STRUCTURE SUMMARY SHEET

I:\projects\87694_structures\LOR-2_Structures\87694CP001-LOR-2-0333.dgn

DESIGNED JWS	DRAWN ACM	REVIEWED DJV	DATE 6/29/15
CHECKED KRB	REVISED	STRUCTURE FILE NUMBER 4707923	
DESIGN AGENCY ODOT DISTRICT THREE OFFICE OF PLANNING AND ENGINEERING			
PLAN VIEW LOR-2-0333L SR 2 OVER BAUMHART RD			
D03-BH-FY2016(B)			
22 23			



PLAN VIEW

NOTES:

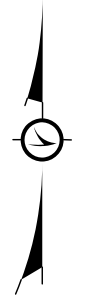
- 1) ALL EXISTING REINFORCING STEEL SHALL BE PRESERVED.
- 2) SEAL JOINT BETWEEN APPROACH SLAB AND BACKWALL WITH RUBBERIZED CRACK SEALER USING ITEM 516 - JOINT SEALER.
- 3) ITEM 512 - TREATING CONCRETE BRIDGE DECKS WITH GRAVITY FED RESIN (15 x 12' x 1' = 20 SY) OR AS OTHERWISE DIRECTED BY THE ENGINEER.

LEGEND:

▨ : INDICATES MICRO-SILICA MODIFIED CONCRETE PATCH LOCATION

ITEM	QUANTITY	UNIT	DESCRIPTION SFN: 4707915
202	76	FT	REMOVAL MISC: JOINT SEAL
512	20	SY	TREATING CONCRETE BRIDGE DECKS WITH GRAVITY FED RESIN
516	76	FT	JOINT SEALER
SPECIAL	4.5	SY	PATCHING CONCRETE BRIDGE DECK OVERLAYS WITH MICRO-SILICA MODIFIED CONCRETE

ALL QUANTITIES CARRIED TO THE STRUCTURE SUMMARY SHEET



DESIGNED JWS CHECKED KRB	DRAWN ACM REVISED	REVIEWED DJV STRUCTURE FILE NUMBER 4707915	DATE 6/29/15	DESIGN AGENCY ODOT DISTRICT THREE OFFICE OF PLANNING AND ENGINEERING
<p>PLAN VIEW</p> <p>LOR-2-0333R</p> <p>SR 2 OVER BAUMHART RD</p>				<p>D03-BH-FY2016(B)</p>
				<div style="border: 1px solid black; border-radius: 50%; width: 30px; height: 30px; margin: 0 auto; display: flex; align-items: center; justify-content: center;"> 23 23 </div>

I:\projects\87694_structures\LOR-2_structures\87694CP001-LOR-2-0333.dgn