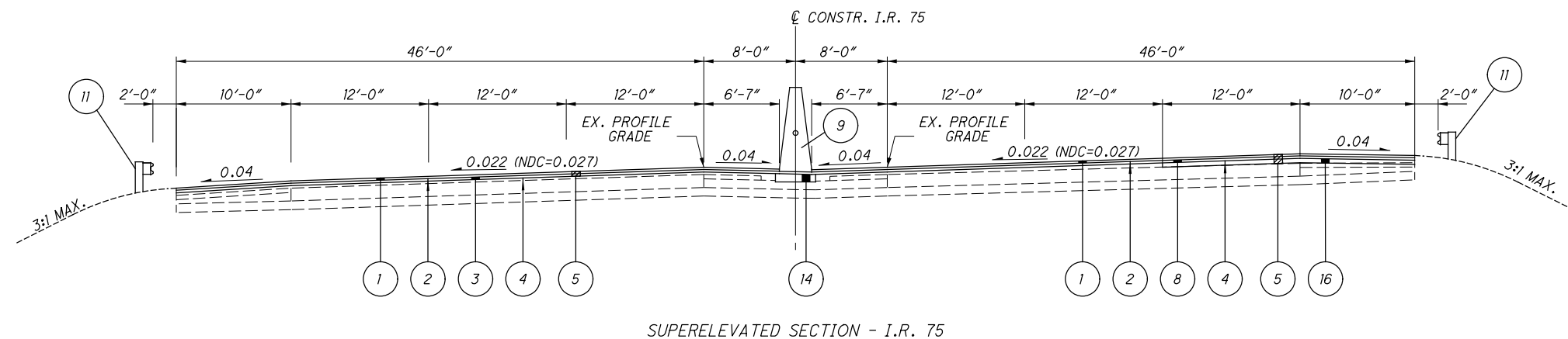


SUPERELEVATED SECTION - I.R. 75

LIMITING STATIONS
 STA. 211+49.33 TO STA. 212+75.00 = 125.67 FT.
 STA. 215+50.00 TO STA. 218+48.38 = 298.38 FT.
 STA. 222+25.00 TO STA. 223+80.00 = 155.00 FT.

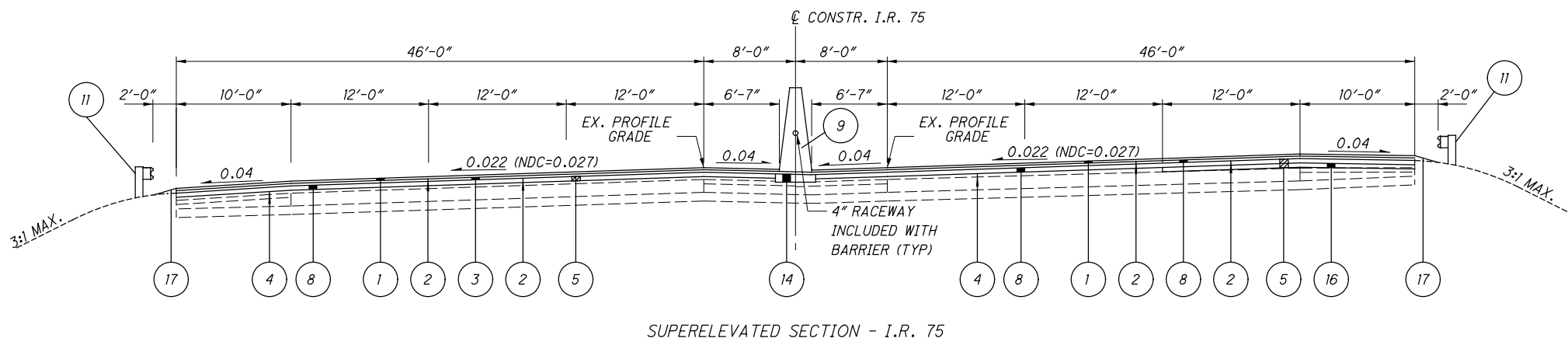
LIMITING STATIONS
 STA. 211+49.33 TO STA. 212+50.00 = 100.67 FT.
 STA. 215+50.00 TO STA. 217+20.00 = 170.00 FT.



SUPERELEVATED SECTION - I.R. 75

LIMITING STATIONS
 STA. 211+18.56 TO STA. 211+25.00 = 6.44 FT.
 STA. 221+91.52 TO STA. 222+25.00 = 33.48 FT.

LIMITING STATIONS
 STA. 211+18.56 TO STA. 211+50.00 = 31.44 FT.
 STA. 212+50.00 TO STA. 212+95.00 = 45.00 FT.
 STA. 215+05.00 TO STA. 215+50.00 = 45.00 FT.
 STA. 217+20.00 TO STA. 218+48.38 = 128.38 FT.
 STA. 221+91.52 TO STA. 223+80.00 = 188.48 FT.



SUPERELEVATED SECTION - I.R. 75

LIMITING STATIONS
 STA. 213+00.00 TO STA. 215+00.00 = 200.00 FT.

LIMITING STATIONS
 STA. 212+95.00 TO STA. 215+05.00 = 310.00 FT.

FOR LEGEND, SEE SHEET 5
 SEE SHEETS 151 AND 152 FOR RESURFACING DETAILS

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TYPICAL SECTIONS
 I.R. 75

MOT-75-(10.44)(10.78)

ITEM 614, MAINTAINING TRAFFIC

THIS ITEM SHALL CONSIST OF MAINTENANCE OF TRAFFIC ON EXISTING ROADWAYS AND RAMPS IN ACCORDANCE WITH THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS, CURRENT EDITION, LATEST REVISION, THE SPECIFICATIONS, AND THE FOLLOWING:

1. A MINIMUM OF THREE ELEVEN FOOT LANES OF TRAFFIC IN EACH DIRECTION ON IR 75 SHALL BE MAINTAINED BY USE OF THE EXISTING PAVEMENT, THE COMPLETED PAVEMENT, OR ITEM 615 PAVEMENT FOR MAINTAINING TRAFFIC. A REDUCTION IN THE NUMBER OF LANES ON IR 75 IS PERMITTED AS LONG AS IT IS IN COMPLIANCE WITH THE NOTES LISTED HEREIN. THE CONTRACTOR SHALL NOTIFY THE ENGINEER NOT LESS THAN 72 HOURS PRIOR TO A SCHEDULED DISRUPTION OF TRAFFIC.

2. ONE LANE OF TRAFFIC IN EACH DIRECTION SHALL BE MAINTAINED AT ALL TIMES ON CARILLON BLVD EXCEPT FOR 15 MINUTE INTERVALS WHEN TRAFFIC MAY BE STOPPED FROM 8 PM TO 6 AM ON WEEKDAYS OR WEEKENDS (FOR BRIDGE DECK REMOVAL, THE PLACEMENT OF BEAMS, ETC.). LANE RESTRICTIONS DESCRIBED ABOVE SHALL BE APPROVED BY THE ENGINEER. SHOULD THE CONTRACTOR FAIL TO MEET ANY OF THESE REQUIREMENTS, THE CONTRACTOR SHALL BE ASSESSED A DISINCENTIVE IN THE AMOUNT OF \$125 FOR EACH MINUTE THE ABOVE DESCRIBED LANE CLOSURE RESTRICTIONS ARE VIOLATED.

3. TWO LANES OF TRAFFIC IN EACH DIRECTION SHALL BE MAINTAINED AT ALL TIMES ON EDWIN C. MOSES BLVD EXCEPT FOR 15 MINUTE INTERVALS WHEN TRAFFIC MAY BE STOPPED FROM 8 PM TO 6 AM ON WEEKDAYS OR WEEKENDS (FOR BRIDGE DECK REMOVAL, THE PLACEMENT OF BEAMS, ETC.). LANE RESTRICTIONS DESCRIBED ABOVE SHALL BE APPROVED BY THE ENGINEER. SHOULD THE CONTRACTOR FAIL TO MEET ANY OF THESE REQUIREMENTS, THE CONTRACTOR SHALL BE ASSESSED A DISINCENTIVE IN THE AMOUNT OF \$125 FOR EACH MINUTE THE ABOVE DESCRIBED LANE CLOSURE RESTRICTIONS ARE VIOLATED.

4. ONE LANE OF TRAFFIC SHALL BE MAINTAINED AT ALL TIMES ON IR 75 RAMPS EXCEPT DURING PERIODS APPROVED BY THE ENGINEER OR AS PERMITTED BY THE NOTES HERE IN. SHOULD THE CONTRACTOR FAIL TO MEET ANY OF THESE REQUIREMENTS, THE CONTRACTOR SHALL BE ASSESSED A DISINCENTIVE IN THE AMOUNT OF \$125 FOR EACH MINUTE THE ABOVE DESCRIBED LANE CLOSURE RESTRICTIONS ARE VIOLATED.

5. ALL EXISTING LANES, INCLUDING RAMPS, SHALL BE OPEN AND AVAILABLE TO TRAFFIC IN THE FINAL ALIGNMENT BY OCTOBER 15, 2022

SHOULD THE CONTRACTOR FAIL TO MEET THESE REQUIREMENTS AND TIME FRAMES LISTED ABOVE, A DISINCENTIVE SHALL BE ASSESSED DURING THE TIME FRAMES IN THE AMOUNT OF \$10,000 PER CALENDAR DAY PER THE NOTE ON SHEET 19.

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

CHRISTMAS	FOURTH OF JULY
NEW YEARS	LABOR DAY
MEMORIAL DAY	THANKSGIVING
NCAA BASKETBALL TOURNAMENT AT UNIVERSITY OF DAYTON	

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 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 FRIDAY
THURSDAY (THANKSGIVING ONLY)	6:00 AM 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 \$125 FOR EACH MINUTE THE ABOVE DESCRIBED LANE CLOSURE RESTRICTIONS ARE VIOLATED.

7. 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.

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

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

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

THE SIGN SHALL DISPLAY THE DATE OF THE CLOSURE IN MMM-DD FORMAT AND THE NUMBER OF DAYS OF THE CLOSURE. THE LAST LINE OF THE W20-H13 SIGN SHALL LIST A PHONE NUMBER WHICH A MOTORIST MAY CALL FOR ADDITIONAL INFORMATION. THE FOLLOWING PHONE NUMBER FOR ODOT DISTRICT 7 SHALL BE USED: (888) 200-9919

ROAD WILL BE CLOSED MMM-DD FOR XX DAYS
INFO: 888-200-9919

W20-H13-60

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

ITEM 614, ASPHALT CONCRETE FOR MAINTAINING TRAFFIC 100 CU. YD.

10. THE CONTRACTOR SHALL PROVIDE, ERECT AND MAINTAIN STANDARD 48 X 30 INCH ROAD CLOSED SIGNS, SIGN SUPPORTS, BARRICADES AND LIGHTS, AS DETAILED IN SCD MT-101.60 AT THE FOLLOWING LOCATIONS DURING PERIODS IN WHICH THE AFFECTED ROADS ARE CLOSED TO TRAFFIC AS SHOWN IN THE PLANS.

11. THE CONTRACTOR SHALL PROVIDE, ERECT AND MAINTAIN SIGNS AND SIGN SUPPORTS, AS DETAILED IN THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES, AND TYPE III BARRICADES OF THE TYPE AND LOCATION AS SHOWN IN THE PLANS.

12. 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.

PERMITTED LANE CLOSURES

LANE CLOSURES ON IR 75 SHALL ONLY BE IMPLEMENTED AT THE TIMES LISTED ON THE OHIO DEPARTMENT OF TRANSPORTATION'S PERMITTED LANE CLOSURES WEB SITE WHICH IS LOCATED AT:

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

THE PERMITTED CLOSURE TIMES LISTED ON THE WEBSITE, 14 CALENDAR DAYS PRIOR TO THE BID LETTING DATE, SHALL BE IN EFFECT FOR THIS PROJECT.

NO WORK WITHIN ACTIVE TRAVEL LANES OR WHICH WILL SLOW TRAFFIC IS PERMITTED AT ANY OTHER TIMES. SHOULD THE CONTRACTOR FAIL TO MEET ANY OF THESE REQUIREMENTS, THE CONTRACTOR SHALL BE ASSESSED A DISINCENTIVE IN THE AMOUNT OF \$125 FOR EACH MINUTE THE ABOVE DESCRIBED LANE CLOSURE RESTRICTIONS ARE VIOLATED.

ITEM 614, REPLACEMENT SIGN

FLATSHEET SIGNS FURNISHED BY THE CONTRACTOR IN ACCORDANCE WITH THE REQUIREMENTS OF THE PLANS, SPECIFICATIONS AND PROPOSAL WHICH BECOME DAMAGED BY TRAFFIC FOR REASONS BEYOND THE CONTROL OF THE CONTRACTOR SHALL BE REPLACED IN KIND WHEN ORDERED BY THE ENGINEER. REPLACEMENT SIGNS SHALL BE NEW. OTHER MATERIALS MAY BE IN USED, BUT GOOD, CONDITION SUBJECT TO APPROVAL BY THE ENGINEER.

PAYMENT FOR THE NEW SIGNS SHALL BE MADE AT THE CONTRACT PRICE PER EACH FOR ITEM 614, REPLACEMENT SIGN, AND SHALL INCLUDE THE COST OF REMOVING AND DISPOSING OF DAMAGED SIGNS, HARDWARE AND SUPPORTS, AND PROVIDING THE NECESSARY REPLACEMENT HARDWARE, SUPPORTS, ETC.

AN ESTIMATED QUANTITY OF 20 EACH HAS BEEN PROVIDED IN THE GENERAL SUMMARY.

ITEM 614, REPLACEMENT DRUM

DRUMS FURNISHED BY THE CONTRACTOR IN ACCORDANCE WITH THE REQUIREMENTS OF THE PLANS, SPECIFICATIONS AND PROPOSAL WHICH BECOME DAMAGED BY TRAFFIC FOR REASONS BEYOND THE CONTROL OF THE CONTRACTOR SHALL BE REPLACED IN KIND WHEN ORDERED BY THE ENGINEER. REPLACEMENT DRUMS SHALL BE NEW.

PAYMENT FOR THE NEW DRUMS SHALL BE MADE AT THE CONTRACT PRICE PER EACH FOR ITEM 614, REPLACEMENT DRUM, AND SHALL INCLUDE THE COST OF REMOVING AND DISPOSING OF THE DAMAGED DRUM, AND PROVIDING AND MAINTAINING THE REPLACEMENT DRUM IN ACCORDANCE WITH THE CONTRACT REQUIREMENTS FOR THE ORIGINAL DRUM.

AN ESTIMATED QUANTITY OF 50 EACH HAS BEEN PROVIDED IN THE GENERAL SUMMARY.

WORK ZONE INCREASED PENALTIES SIGN (R11-H5A)

R11-H5A-48 SIGNS SHALL BE FURNISHED, ERECTED, AND MAINTAINED IN GOOD CONDITION AND/OR REPLACED AS NECESSARY AND SUBSEQUENTLY REMOVED BY THE CONTRACTOR. SIGNS SHALL BE MOUNTED AT THE APPROPRIATE OFFSETS AND ELEVATIONS AS PRESCRIBED BY THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES. THEY SHALL BE MAINTAINED ON SUPPORTS MEETING CURRENT SAFETY CRITERIA.

THE SIGNS MAY BE ERECTED OR UNCOVERED NO MORE THAN FOUR HOURS BEFORE THE ACTUAL START OF WORK. THE SIGNS SHALL BE REMOVED OR COVERED NO LATER THAN FOUR HOURS FOLLOWING RESTORATION OF ALL LANES TO TRAFFIC WITH NO RESTRICTIONS, OR SOONER AS DIRECTED BY THE ENGINEER. TEMPORARY SIGN COVERING AND UNCOVERING DUE TO TEMPORARY LANE RESTORATIONS SHALL BE GUIDED BY THE FOUR-HOUR LIMITATIONS STATED ABOVE. SUCH LANE RESTORATIONS SHOULD BE EXPECTED TO REMAIN IN EFFECT FOR 30 OR MORE CONSECUTIVE CALENDAR DAYS, SUCH AS DURING WINTER SHUTDOWNS.

THE SIGNS ON THE MAINLINE SHALL BE DUAL MOUNTED UNLESS NOT PHYSICALLY POSSIBLE. THE FIRST SIGN SHALL BE PLACED BETWEEN THE ROAD WORK AHEAD (W20-I) SIGN AND THE NEXT SIGN IN THE SEQUENCE. SIGNS SHALL BE ERECTED ON EACH ENTRANCE RAMP AND EVERY 2 MILES THROUGH THE CONSTRUCTION WORK LIMITS. SIGNS ON THE MAINLINE SHALL BE R11-H5A-48. SIGNS USED ON THE RAMPS SHALL BE R11-H5A-24. R11-H5A-24 SIGNS MAY BE USED IN THE MEDIAN IN LIEU OF R11-H5A-48 SIGNS IF IT IS NOT PHYSICALLY POSSIBLE TO PROVIDE R11-H5A-48 SIGNS IN THE MEDIAN.

THE CONTRACTOR MAY USE SIGNS AND SUPPORTS IN USED, BUT GOOD, CONDITION PROVIDED THE SIGNS MEET CURRENT ODOT SPECIFICATIONS. SIGN FACES SHALL BE RETROREFLECTORIZED WITH TYPE G SHEETING COMPLYING WITH THE REQUIREMENTS OF C&MS 730.19.

WORK ZONE INCREASED PENALTIES SIGNS AND SUPPORTS WILL BE MEASURED AS THE NUMBER OF SIGN INSTALLATIONS, INCLUDING THE SIGN AND NECESSARY SUPPORTS. IF A SIGN AND SUPPORT COMBINATION IS REMOVED AND REERECTED AT ANOTHER LOCATION AS DIRECTED BY THE ENGINEER, IT SHALL BE CONSIDERED ANOTHER UNIT.

PAYMENT FOR ACCEPTED QUANTITIES, COMPLETE, IN PLACE WILL BE MADE AT THE CONTRACT UNIT PRICE. PAYMENT SHALL BE FULL COMPENSATION FOR ALL MATERIALS, LABOR, INCIDENTALS AND EQUIPMENT FOR FURNISHING, ERECTING, MAINTAINING, COVERING DURING SUSPENSION OF WORK, AND REMOVAL OF THE SIGN AND SUPPORT.

ITEM 614, WORK ZONE INCREASED PENALTIES SIGN II EACH

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MAINTENANCE OF TRAFFIC GENERAL NOTES

MOT-75-(10.44)(10.78)

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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 16 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.

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 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 6 SIGN MONTH

ASSUMING 1 PCMS SIGN(S) FOR 6 MONTH

ITEM 614 - WORK ZONE RAISED PAVEMENT MARKER, AS PER PLAN

WORK ZONE RAISED PAVEMENT MARKERS, AS PER PLAN, AND THEIR INSTALLATION SHALL CONFORM TO C&MS 614 OR C&MS 621 AS SPECIFIED HEREIN.

RAISED PAVEMENT MARKERS IN USE DURING THE SNOW-PLOWING SEASON SHALL CONFORM TO 621.

RAISED PAVEMENT MARKERS IN USE DURING THE NON-SNOW-PLOW SEASON SHALL CONFORM TO EITHER 614 OR TO 621.

THE SNOW-PLOWING SEASON SHALL RUN FROM OCTOBER 15 THROUGH MARCH 1.

IF PROJECT DELAYS, NOT THE FAULT OF ODOT, CAUSE THE WORK TO EXTEND INTO THE SNOW-PLOWING SEASON, THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACING WORK ZONE RAISED PAVEMENT MARKERS (WZRPMS) CONFORMING TO C&MS 614, WITH RAISED PAVEMENT MARKERS CONFORMING TO 621, AS DETERMINED BY THE ENGINEER, AT THE CONTRACTOR'S EXPENSE.

THIS ITEM SHALL INCLUDE PURCHASE, INSTALLATION AND REMOVAL OF ITEM 614 WORK ZONE RAISED PAVEMENT MARKER, AS PER PLAN, INCLUDING FILLING OF ANY DEPRESSIONS CREATED IN THE PAVEMENT AS PER C&MS 621.08. WZRPMS SHALL NOT BE PLACED ON BRIDGE DECKS.

RESURFACING OF THE TRANSITION AREAS SHALL BE PERFORMED BY A FUTURE CONSTRUCTION PROJECT.

THE FOLLOWING BID ITEMS SHOULD BE INCLUDED IN THE PLANS:

ITEM 614 WORK ZONE RAISED PAVEMENT MARKER, AS PER PLAN 2550 EACH

DELINEATION OF TEMPORARY AND PERMANENT GUARDRAIL

BARRIER REFLECTORS SHALL BE INSTALLED ON ALL TEMPORARY GUARDRAIL USED FOR TRAFFIC CONTROL AND ON ALL PERMANENT GUARDRAIL LOCATED WITHIN 5 FEET OF THE EDGE OF THE ADJACENT TRAVEL LANE. BARRIER REFLECTORS SHALL CONFORM TO C&MS 626 AND THE SPACING SHALL BE APPROXIMATELY 50 FEET.

OBJECT MARKERS SHALL BE INSTALLED ON ALL TEMPORARY AND PERMANENT GUARDRAIL LOCATED WITHIN 5 FEET OF THE EDGE OF THE ADJACENT TRAVEL LANE. GUARDRAIL-MOUNTING OF OBJECT MARKERS SHALL BE MADE BY INSTALLING THE OBJECT MARKERS ON THE EXTENSION BLOCKS RATHER THAN DIRECTLY ONTO THE GUARDRAIL ITSELF. OBJECT MARKERS SHALL CONFORM TO C&MS 614.03 AND THE SPACING SHALL BE APPROXIMATELY 50 FEET WITH A 25 FOOT OFFSET FROM THE BARRIER REFLECTORS.

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN INCLUDED IN THE PLANS AND CARRIED TO THE GENERAL SUMMARY:

ITEM 614, BARRIER REFLECTOR, TYPE 2 ONE-WAY 100 EACH

ITEM 614, OBJECT MARKER, ONE-WAY 100 EACH

PAYMENT SHALL BE FULL COMPENSATION FOR ALL MATERIAL, LABOR, INCIDENTALS AND EQUIPMENT NECESSARY FOR FURNISHING, INSTALLING, MAINTAINING AND REMOVING THE ABOVE ITEM(S).

MEDIAN BARRIER, COVERING OF INLET AND LIGHTING REMOVAL FOR CROSSOVER

AT THE BEGINNING OF PHASE I, REMOVE THE MEDIAN BARRIER MARKED FOR REMOVAL ON SHEETS 53 & 54. WITHIN THE BARRIER WALL REMOVAL LIMITS, COVER THE EXISTING INLET WITH A STEEL PLATE. REMOVE THE EXISTING LIGHT POLES AND WIRING. THE EXISTING LIGHTING CIRCUIT SHALL BE MAINTAINED WHILE THE CROSSOVER IS IN USE BY RUNNING A TEMPORARY CONNECTOR USING 4 #2 AWG IN A 3" CONDUIT PLACED A MINIMUM OF 6" BELOW THE BOTTOM OF THE TEMPORARY SUBGRADE. THE EXISTING LIGHT POLES MARKED FOR REMOVAL SHALL BE REMOVED AND STORED AT A LOCATION SPECIFIED BY THE ENGINEER. THE CONTRACTOR SHALL MAINTAIN ALL EXISTING LIGHTING WITHIN 500' OF THE CENTER OF THE CROSSOVER. LIGHTS LOCATED WITHIN 500' OF THE CENTER OF THE CROSSOVER SHALL REMAIN ILLUMINATED WHENEVER TRAFFIC IS BEING CROSSED OVER. THE CONTRACTOR SHALL REPAIR ANY OUTAGES OF SAID LIGHTS WITHIN 48 HOURS OF THE REPORTED OUTAGE.

ESTIMATED QUANTITIES HAVE BEEN INCLUDED ON THE CROSSOVER DETAIL SHEETS LISTED ABOVE. ANY ADDITIONAL COST NOT ITEMIZED SEPARATELY IN THE PLANS FOR ALL LABOR, MATERIALS, AND EQUIPMENT REQUIRED TO PERFORM THE ABOVE DESCRIBED WORK SHALL BE INCLUDED IN THE LUMP SUM BID FOR ITEM 614 MAINTAINING TRAFFIC.

DELINEATION OF PORTABLE AND PERMANENT BARRIER

BARRIER REFLECTORS AND OBJECT MARKERS SHALL BE INSTALLED ON ALL PORTABLE BARRIER (PB) USED FOR TRAFFIC CONTROL AND ON PERMANENT CONCRETE BARRIER (INCLUDING BRIDGE PARAPETS) LOCATED WITHIN 5 FT OF THE EDGE OF THE ADJACENT TRAVEL LANE.

BARRIER REFLECTORS SHALL CONFORM TO C&MS 626, EXCEPT THAT THE SPACING SHALL BE AS PER TRAFFIC SCD MT-101.70. OBJECT MARKERS AND THEIR INSTALLATION SHALL CONFORM TO C&MS 614.03 AND SCD MT-101.70. WHEN THE PB CONTAINS GLARE SCREEN, ONE SET OF THREE VERTICAL STRIPES OF SHEETING SHALL BE CONSIDERED EQUIVALENT TO AN OBJECT MARKER, ONE-WAY.

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN INCLUDED IN THE PLANS AND CARRIED TO THE GENERAL SUMMARY:

ITEM 614, BARRIER REFLECTOR, TYPE 1, ONE-WAY 890 EACH
ITEM 614, OBJECT MARKER, ONE-WAY 623 EACH
ITEM 614, OBJECT MARKER, TWO-WAY 267 EACH

PAYMENT SHALL BE FULL COMPENSATION FOR ALL MATERIAL, LABOR, INCIDENTALS AND EQUIPMENT NECESSARY FOR FURNISHING, INSTALLING, MAINTAINING AND REMOVING EACH OF THE ABOVE ITEMS.

MEDIAN CROSSOVER OF A PASSING LANE NOTES

THE EXISTING CONFLICTING PAVEMENT MARKINGS AND REFLECTORS FROM THE RAISED PAVEMENT MARKERS SHALL BE REMOVED AND THE APPROPRIATE COLOR WORK ZONE EDGE LINES SHALL BE APPLIED.

AFTER COMPLETION OF THE WORK, PAVEMENT MARKINGS OTHER THAN CMS 740.06, TYPE I SHALL BE REMOVED IN ACCORDANCE WITH CMS 614.111. THE ORIGINAL MARKINGS AND RAISED PAVEMENT MARKER REFLECTORS SHALL BE RESTORED AT NO ADDITIONAL COST UNLESS SEPARATELY ITEMIZED IN THE PLANS.

A 12" CHANNELIZING LINE SHALL BE PROVIDED IN BETWEEN THE CROSSOVER LANE AND THE THROUGH LANE IN ADVANCE OF THE "EXIT" GORE. ALL OTHER CHANNELIZING LINES SHOWN ON THIS DRAWING SHALL BE OF STANDARD 8" WIDTH.

DRUMS ALONG THE CROSSOVER CURVES SHALL BE SPACED AT 20' CENTER-TO-CENTER.

DRUMS USED TO CLOSE OFF A CROSSOVER SHALL BE SPACED AT 10' CENTER-TO-CENTER.

IN ADDITION TO THE REQUIREMENT OF STANDARD CONSTRUCTION DRAWING MT-99.30, RPMS AT 20' SPACING SHALL BE PROVIDED BESIDE THE CHANNELIZING LINE LOCATED BETWEEN THE CROSSOVER LANE AND THE THROUGH LANES.

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MAINTENANCE OF TRAFFIC GENERAL NOTES

MOT-75-(10.44)(10.78)

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WINTER WORK

THE CONTRACTOR IS REQUIRED TO PURSUE ALL AVAILABLE WORK THROUGH THE WINTERS WHILE IN PHASE 2 AND PHASE 4 OF THE PLAN MOT. A SCHEDULE WILL NOT BE ACCEPTED THAT DOES NOT REPRESENT WORK (CRITICAL AND NON-CRITICAL) BEING PERFORMED THROUGHOUT THESE WINTER PERIODS. THE PLAN MOT IS PHASED AS SUCH WITH POTENTIAL DISINCENTIVES TO ENSURE THE PROJECT IS IN A CONDITION TO ALLOW WORK TO CONTINUE THROUGHOUT PHASE 2 AND PHASE 4. WEATHER DAYS THROUGHOUT THESE WINTER PERIODS WILL BE ANALYZED IN ACCORDANCE WITH 108.06 IN CONJUNCTION WITH THE TABLE IN 108.06-1, HOWEVER THE CONTRACT IS REQUIRED TO RECOGNIZE DURING THE BIDDING PROCESS THAT WINTER WORK MAY POTENTIALLY REQUIRE ITEMS SUCH AS COLD WEATHER PROTECTION, LESS EFFICIENT PRODUCTIVITY, ETC.

SEQUENCE OF CONSTRUCTION

PHASE 1

INSTALL ALL TEMPORARY TRAFFIC CONTROL DEVICES NECESSARY TO MAINTAIN TRAFFIC IN THE PHASE 1 CONFIGURATION. SHIFT NORTHBOUND TRAFFIC ONTO THE OUTSIDE LANES AND SHOULDER AS SHOWN IN THE PLANS.

REMOVE MEDIAN BARRIER WALL WITHIN CROSSOVER LIMITS. EXISTING LIGHT POLES WITHIN REMOVAL LIMITS SHALL BE STORED. PLACE ASPHALT WEDGE ON EXISTING INSIDE SHOULDERS NEAR CROSSOVERS AS DETAILED IN THE PLANS. INSTALL TEMPORARY DRAINAGE NEEDED FOR FUTURE PHASES.

UTILIZE APPLICABLE STANDARD CONSTRUCTION DRAWINGS TO SHIFT OR CLOSE LANES IN ACCORDANCE WITH THE NOTES HEREIN IN ORDER TO PERFORM A 1.5" MILL AND FILL OF THE EXISTING PAVEMENT FROM THE NORTHERN LIMIT OF THE BRIDGE OVER SR-741 TO THE SOUTHERN LIMIT OF THE BRIDGE OVER STEWART ST., INCLUDING THE EDWIN C. MOSES INTERCHANGE RAMPS AND BETWEEN THE MOT-1044 AND MOT-1078 STRUCTURES. THE VARIABLE DEPTH OVERLAY BETWEEN THE STRUCTURES SHALL BE COMPLETED IN FUTURE PHASES.

THE SOUTHBOUND EXIT RAMP TO NORTHBOUND ENTRANCE RAMP TURNAROUND SHALL BE CLOSED AT THE START OF WORK. REMOVAL OF THE PORTION OF THE TURNAROUND ALONG THE EXISTING RAMPS SHALL BE COMPLETED PRIOR TO RAMP RESURFACING. EDWIN C. MOSES BLVD AND RAMP TRAFFIC SHALL BE MAINTAINED ACCORDING TO THE APPLICABLE STANDARD CONSTRUCTION DRAWINGS AND NOTES HEREIN. THE REMOVAL OF THE REMAINDER OF THE TURNAROUND MAY BE PERFORMED AT ANY TIME DURING THE PROJECT.

PHASE 2

PHASE 2 CONSTRUCTION SHALL BEGIN NO LATER THAN OCTOBER 15, 2020.

REMOVE EXISTING SIGNING IN CONFLICT WITH PROPOSED MOT SETUP. INSTALL MOT SIGNING AS PER STANDARD CONSTRUCTION DRAWINGS LISTED AND AS SHOWN IN THE PLANS.

INSTALL ALL TEMPORARY TRAFFIC CONTROL DEVICES NECESSARY TO MAINTAIN TRAFFIC IN THE PHASE 2 CONFIGURATION. SHIFT NORTHBOUND TRAFFIC ONTO THE OUTSIDE LANES AND SHOULDER AS SHOWN IN THE PLANS. CROSSOVER THE SOUTHBOUND INSIDE LANE OF TRAFFIC TO THE NORTHBOUND INSIDE SHOULDER. SHIFT THE REMAINING TWO OUTSIDE SOUTHBOUND LANES ONTO THE EXISTING INSIDE LANES AND SHOULDER. RAMP TRAFFIC SHALL BE MAINTAINED AS SHOWN IN THESE PLANS.

THE SOUTHBOUND ENTRANCE RAMP FROM EDWIN C. MOSES BLVD SHALL BE CLOSED AND DETOURED AS SHOWN IN THE PLANS FOR THE DURATION OF THIS PHASE.

RECONSTRUCT THE PORTION OF SOUTHBOUND PAVEMENT NOT USED TO MAINTAIN TRAFFIC AS SHOWN IN THE PLANS. PLACE TEMPORARY PAVEMENT ADJACENT TO THE EXISTING OUTSIDE SHOULDER AS SHOWN IN THE PLANS. RECONSTRUCT EASTBOUND EDWIN C. MOSES SLIP RAMP TO I.R. 75 SOUTHBOUND DURING RAMP CLOSURE.

PHASE 3A

NORTHBOUND TRAFFIC SHALL REMAIN IN THE PHASE 2 CONFIGURATION. CONTINUE TO CROSSOVER THE SOUTHBOUND INSIDE LANE OF TRAFFIC TO THE NORTHBOUND INSIDE SHOULDER AS SETUP IN PHASE 2. SHIFT THE REMAINING TWO OUTSIDE SOUTHBOUND LANES ONTO THE EXISTING OUTSIDE LANES AND SHOULDER AND TEMPORARY PAVEMENT INSTALLED IN PHASE 2. RAMP TRAFFIC SHALL BE MAINTAINED AS SHOWN IN THESE PLANS. DURING CONCRETE DECK PLACEMENT, THE CONTRACTOR SHALL CLOSE THE LANE ADJACENT TO THE WORK ZONE DURING PERMITTED LANE CLOSURES TIMES WITH THE APPLICABLE STANDARD CONSTRUCTION DRAWINGS.

RECONSTRUCT THE PORTION OF SOUTHBOUND PAVEMENT NOT USED TO MAINTAIN TRAFFIC AS SHOWN IN THE PLANS.

IN ORDER TO PROVIDE ADEQUATE PROTECTION FOR THE DROPOFF BETWEEN EXISTING AND PROPOSED PAVEMENT, THE CONTRACTOR SHALL COMPLETE RESURFACING UP TO THE INTERMEDIATE COURSE BETWEEN THE MOT-75-1044 AND MOT-75-1078 STRUCTURES PRIOR TO INSTALLATION OF THE CONSTRUCTION ACCESS POINT DETAILED ON SHEET 69.

PHASE 3B

NORTHBOUND TRAFFIC SHALL REMAIN IN THE PHASE 2 CONFIGURATION. RETURN ALL LANES OF SOUTHBOUND TRAFFIC TO THE SOUTHBOUND SIDE OF THE MEDIAN AND SHIFT SOUTHBOUND TRAFFIC ONTO THE OUTSIDE LANES AND SHOULDER AS SHOWN IN THE PLANS. RAMP TRAFFIC SHALL BE MAINTAINED AS SHOWN IN THE PLANS.

REPLACE THE PORTIONS OF THE EXISTING CONCRETE MEDIAN BARRIER SHOWN IN THE PLANS. PERFORM ADDITIONAL MEDIAN WORK SUCH AS CATCH BASIN REPLACEMENT AND SIGN FOUNDATION REPLACEMENT.

PHASE 4A

PHASE 4 CONSTRUCTION SHALL BEGIN NO LATER THAN OCTOBER 15, 2021.

PRIOR TO THE START OF PROPOSED PHASE 4 CONSTRUCTION, PLACE ALL TEMPORARY TRAFFIC CONTROL DEVICES AND TEMPORARY PAVEMENT MARKINGS REQUIRED FOR PHASE 4 OPERATIONS.

SOUTHBOUND TRAFFIC SHALL BE SHIFTED ONTO THE OUTSIDE SHOULDER. CROSSOVER THE NORTHBOUND INSIDE LANE OF TRAFFIC TO THE SOUTHBOUND INSIDE SHOULDER. SHIFT THE REMAINING TWO OUTSIDE NORTHBOUND LANES ONTO THE EXISTING INSIDE SHOULDER. RAMP TRAFFIC SHALL BE MAINTAINED AS SHOWN IN THESE PLANS.

RECONSTRUCT THE PORTION OF NORTHBOUND PAVEMENT NOT USED TO MAINTAIN TRAFFIC AS SHOWN IN THE PLANS.

PHASE 4B

NORTHBOUND AND SOUTHBOUND TRAFFIC SHALL REMAIN IN THE PHASE 4A CONFIGURATION. CLOSE THE NORTHBOUND EXIT RAMP TO EDWIN C. MOSES TO COMPLETE OUTSIDE I.R. 75 AND RAMP RESURFACING. THE RAMP SHALL BE CLOSED FOR A SINGLE WEEKEND PERIOD FROM 8PM FRIDAY TO 6AM MONDAY. RAMP TRAFFIC SHALL BE DETOURED AS SHOWN IN THE PLANS.

PHASE 5

SOUTHBOUND TRAFFIC SHALL REMAIN IN THE PHASE 4 CONFIGURATION. CONTINUE TO CROSSOVER THE NORTHBOUND INSIDE LANE OF TRAFFIC TO THE SOUTHBOUND INSIDE SHOULDER AS SETUP IN PHASE 4. SHIFT THE REMAINING TWO OUTSIDE NORTHBOUND LANES ONTO THE EXISTING OUTSIDE SHOULDER AND TEMPORARY PAVEMENT INSTALLED IN PHASE 4. RAMP TRAFFIC SHALL BE MAINTAINED AS SHOWN IN THESE PLANS. DURING CONCRETE DECK PLACEMENT, THE CONTRACTOR SHALL CLOSE THE LANE ADJACENT TO THE WORK ZONE DURING PERMITTED LANE CLOSURES TIMES WITH THE APPLICABLE STANDARD CONSTRUCTION DRAWINGS.

RECONSTRUCT THE PORTION OF NORTHBOUND PAVEMENT NOT USED TO MAINTAIN TRAFFIC AS SHOWN IN THE PLANS.

IN ORDER TO PROVIDE ADEQUATE PROTECTION FOR THE DROPOFF BETWEEN EXISTING AND PROPOSED PAVEMENT, THE CONTRACTOR SHALL COMPLETE RESURFACING UP TO THE INTERMEDIATE COURSE BETWEEN THE MOT-75-1044 AND MOT-75-1078 STRUCTURES PRIOR TO INSTALLATION OF THE CONSTRUCTION ACCESS POINT DETAILED ON SHEET 106.

AT LEAST TWO WEEKS PRIOR TO OPENING THE BRIDGE TO TRAFFIC THE CONTRACTOR SHALL NOTIFY THE ODOT DISTRICT 7 BRIDGE INSPECTION ENGINEER (937-497-6884) TO PERFORM THE POST-CONSTRUCTION INITIAL INSPECTION OF THE BRIDGE PER THE NOTE ON SHEET 11.

PHASE 6

COMPLETE ALL REMAINING WORK ITEMS.

PLACE FINAL SURFACE COURSE AND PAVEMENT MARKINGS UTILIZING STANDARD CONSTRUCTION DRAWINGS FOR LANE SHIFTS AND CLOSURES AS PER THE PLANS AND NOTES HEREIN.

THE NORTH AND SOUTH CROSSOVERS SHALL BE CLOSED WITH PB USING SCD MT-101.80 AT LOCATIONS SHOWN BELOW. PORTABLE BARRIER USED TO CLOSE THE CROSSOVERS SHALL BE CONCRETE AND INCLUDE ALL COST TO CONNECT TO THE EXISTING CONCRETE BARRIER. AT THE END OF THE PROJECT THE BARRIER SHALL BE LEFT IN PLACE AND WILL BECOME PROPERTY OF ODOT UPON CONTRACT COMPLETION.

PB LOCATIONS:
STA. 175+50 TO 181+50 = 600'
STA. 238+30 TO 242+30 = 400'

THE FOLLOWING QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY FOR THE ABOVE WORK.

ITEM 622 PORTABLE BARRIER, ANCHORED, AS PER PLAN-1000'

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY FOR PRIOR TO PLACING FINAL PAVEMENT MARKINGS:

ITEM 614 WORK ZONE LANE LINE, CLASS III, 6", 642 PAINT-6.17 MI
ITEM 614 WORK ZONE EDGE LINE, CLASS III, 6", 642 PAINT-6.23 MI
ITEM 614 WORK ZONE CHANNELIZING LINE, CLASS III, 12", 642 PAINT-3500'
ITEM 614 WORK ZONE DOTTED LINE, 6", CLASS III, 642 PAINT-3274'
ITEM 614 WORK ZONE DOTTED LINE, 12", CLASS III, 642 PAINT-1288'

PN 121 - INCENTIVE/DISINCENTIVE CONTRACT

THE CONTRACTOR SHALL COMPLETE ALL CRITICAL WORK AND SAFETY ITEMS ACCORDING TO THE INCENTIVE/DISINCENTIVE CONTRACT TABLE. IN THE EVENT THE CONTRACTOR IMPEDES THE FLOW OF TRAFFIC SUBSEQUENT TO THE OPENING TO UNRESTRICTED TRAFFIC, THE CONTRACTOR SHALL BE ASSESSED A DISINCENTIVE ACCORDING TO THE INCENTIVE/DISINCENTIVE CONTRACT TABLE.

CRITICAL WORK IS SHOWN IN THE INCENTIVE/DISINCENTIVE CONTRACT TABLE.

CRITICAL WORK IS DEFINED AS HAVING THE DESIGNATED SECTION OF WORK OPEN TO UNRESTRICTED TRAFFIC AS SHOWN IN THE TABLE, OR THE ENTIRE PROJECT IF NOT OTHERWISE LISTED.

UNRESTRICTED TRAFFIC IS DEFINED AS ALL TRAFFIC LANES BEING AVAILABLE FOR USE IN THE MOT PHASE OR THEIR FINAL DESIGN WIDTH WITH ALL MARKINGS, RPM'S, AND SAFETY FEATURES INSTALLED, ALONG WITH NO RESTRICTIONS WITHIN 2 FEET OF THE EDGE LINE ON THE SHOULDERS.

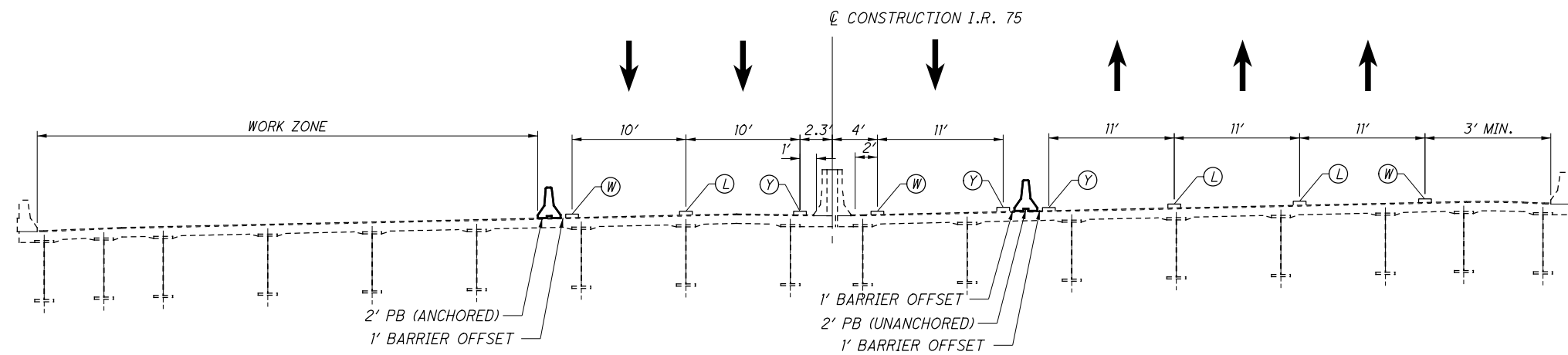
DESCRIPTION OR LOCATION OF CRITICAL WORK	COMPLETION DATE	TIME UNIT	DISINCENTIVE \$ PER TIME UNIT
TRAFFIC IN PHASE 2 CONFIGURATION	10/15/2020	DAY	\$2,000
TRAFFIC IN PHASE 4 CONFIGURATION	10/15/2021	DAY	\$2,000
TRAFFIC IN FINAL CONFIGURATION	10/15/2022	DAY	\$10,000

CALCULATED
MJC
CHECKED
BBD

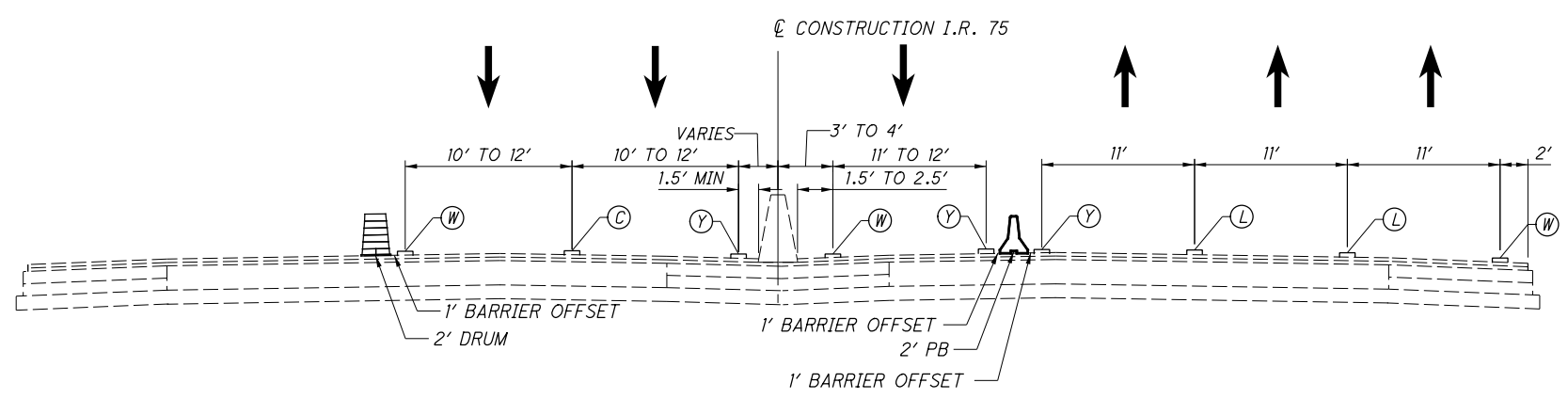
MAINTENANCE OF TRAFFIC SEQUENCE OF CONSTRUCTION

MOT-75-(10.44)(10.78)

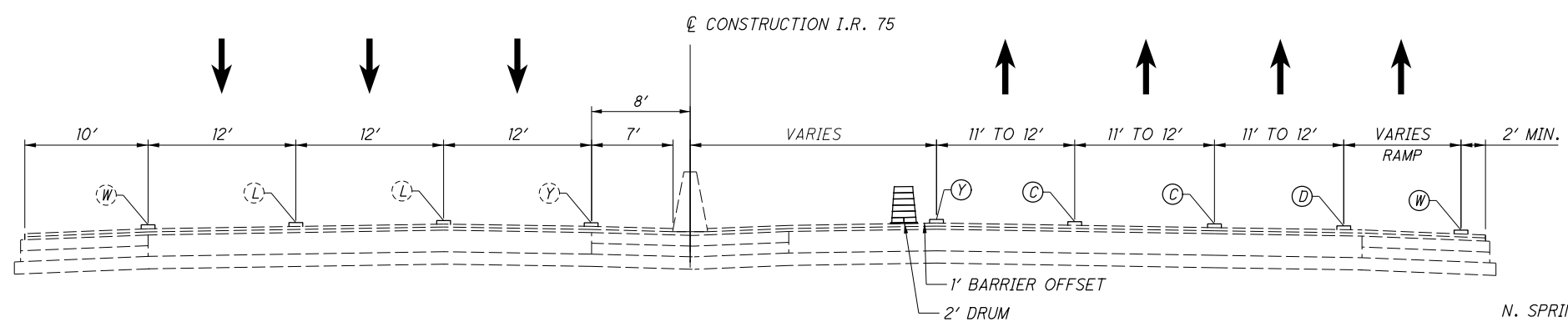
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SECTION C-C



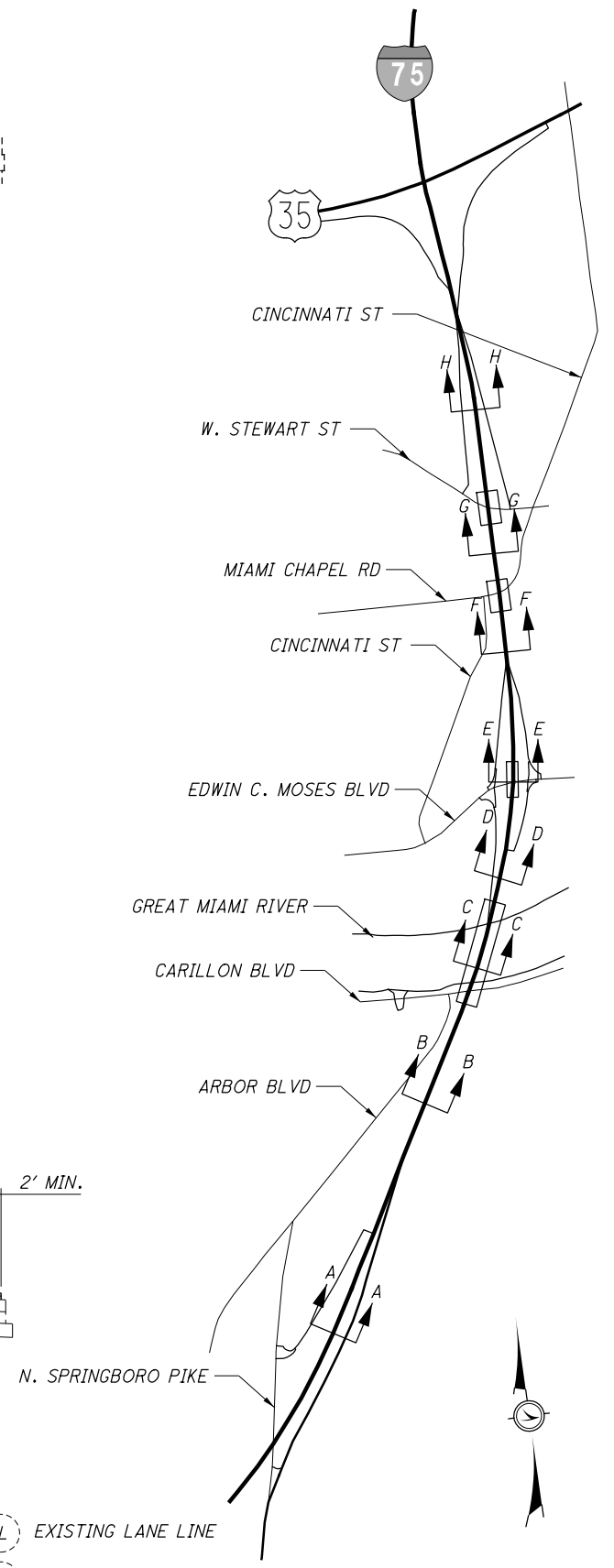
SECTION B-B



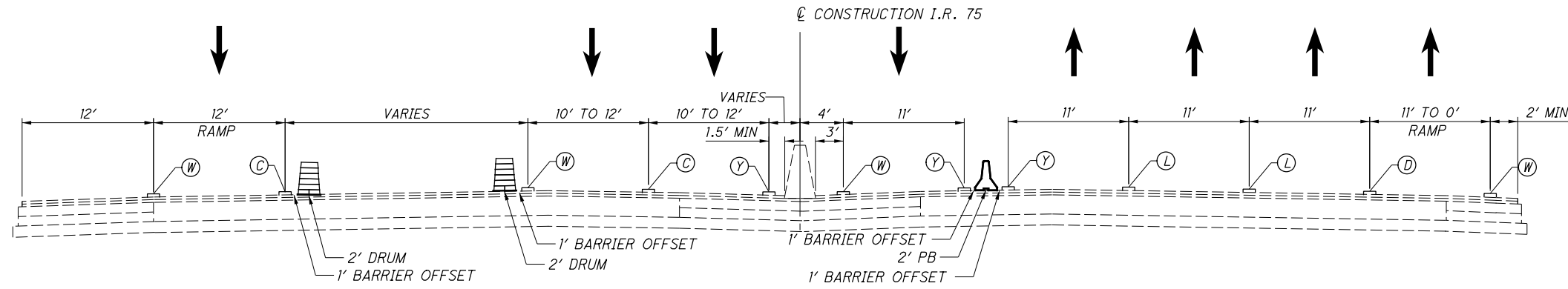
SECTION A-A

LEGEND

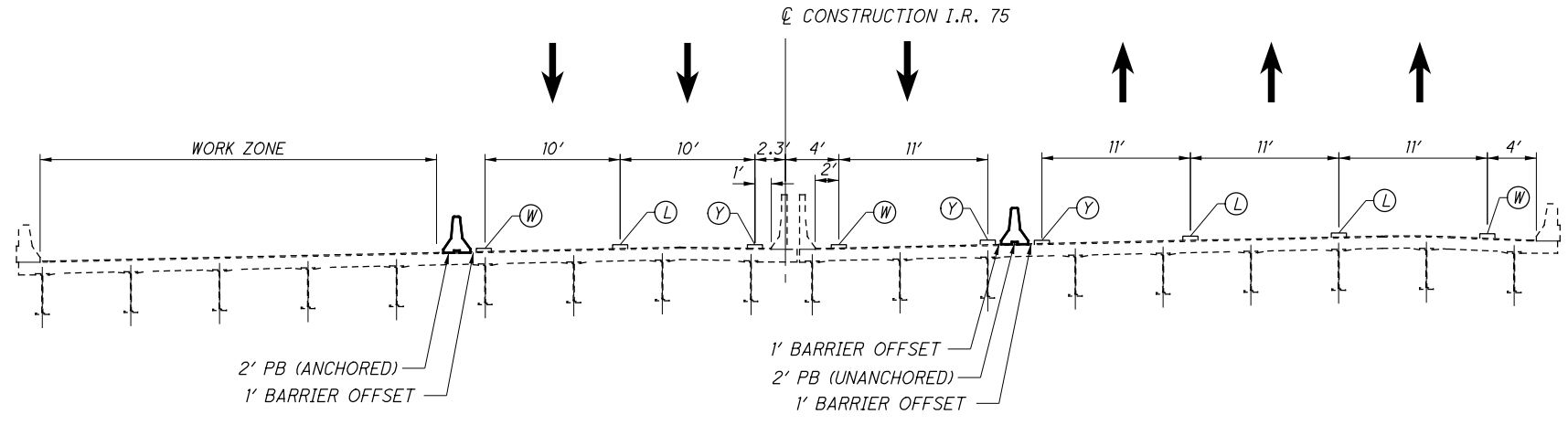
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|---------------------------------------|--------------------------------|---------------------------------------|--------------------------------|--------------------------|
| (W) ITEM 648 - EDGE LINE, 6" (WHITE) | (D) ITEM 648 - DOTTED LINE, 6" | (C) ITEM 648 - CHANNELIZING LINE, 12" | (W) EXISTING EDGE LINE, WHITE | (L) EXISTING LANE LINE |
| (Y) ITEM 648 - EDGE LINE, 6" (YELLOW) | (L) ITEM 648 - LANE LINE, 6" | | (Y) EXISTING EDGE LINE, YELLOW | (D) EXISTING DOTTED LINE |



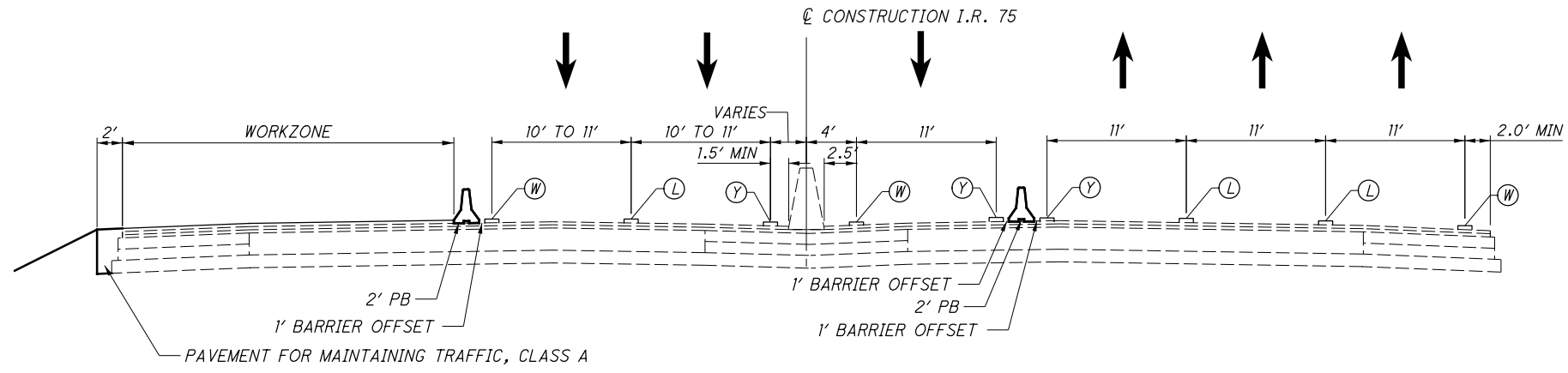
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SECTION F-F



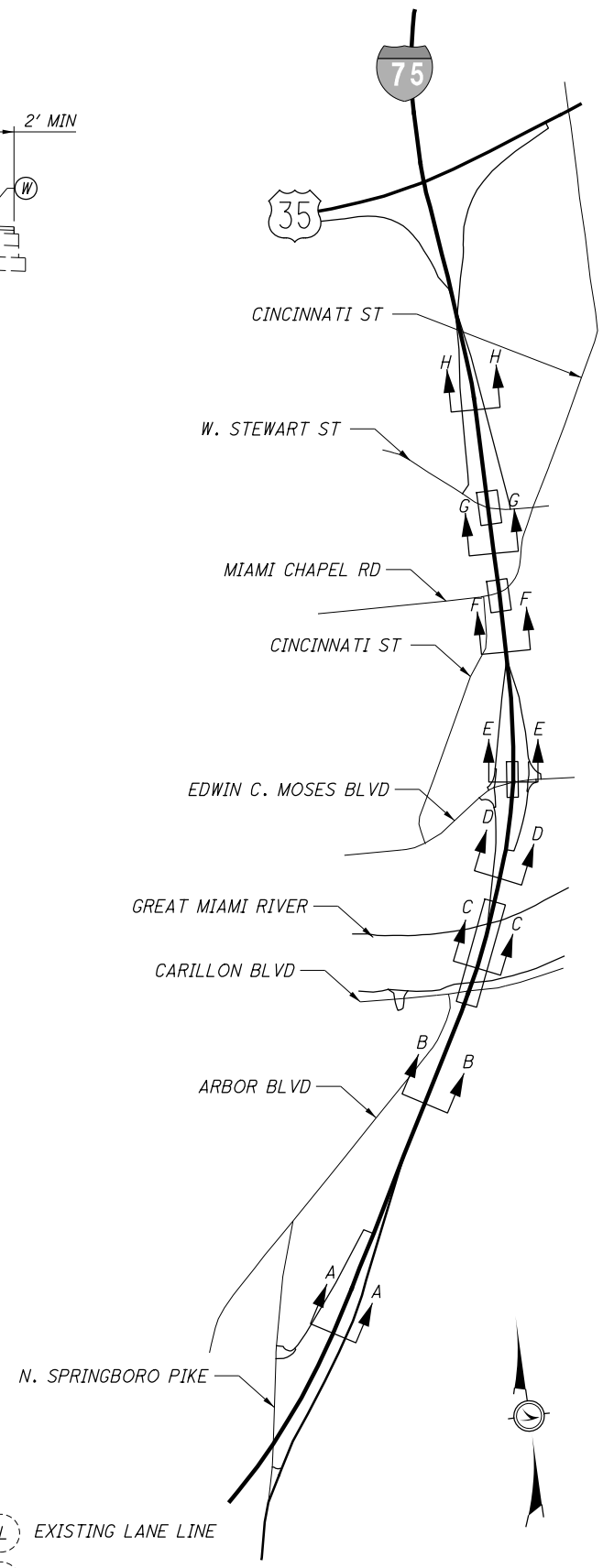
SECTION E-E



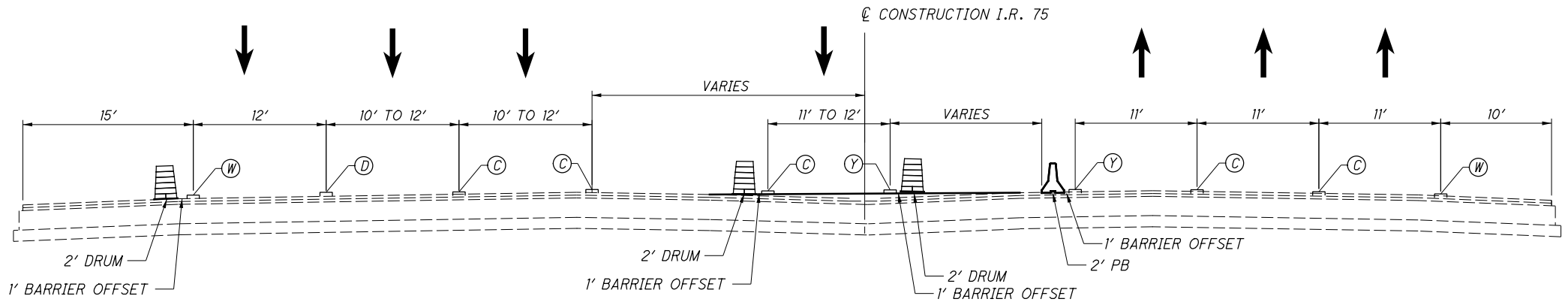
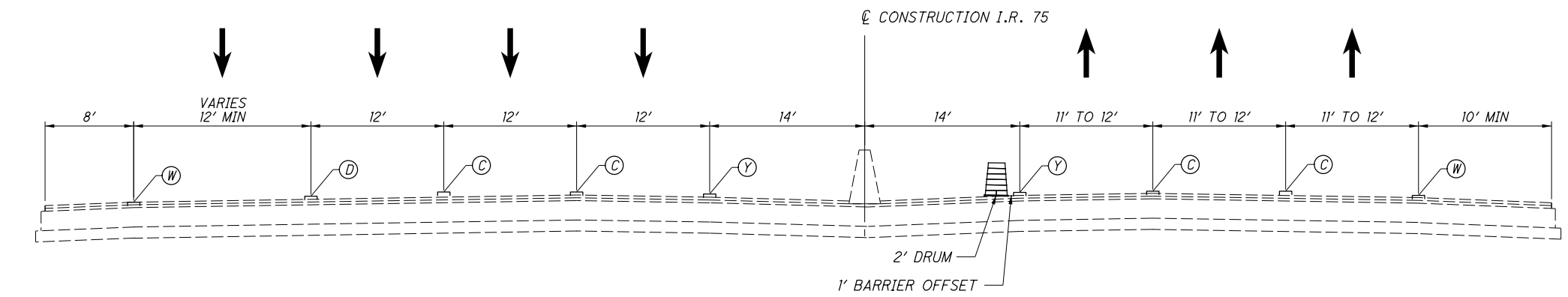
SECTION D-D

LEGEND

- | | | | | |
|---------------------------------------|--------------------------------|---------------------------------------|--------------------------------|--------------------------|
| (W) ITEM 648 - EDGE LINE, 6" (WHITE) | (D) ITEM 648 - DOTTED LINE, 6" | (C) ITEM 648 - CHANNELIZING LINE, 12" | (W) EXISTING EDGE LINE, WHITE | (L) EXISTING LANE LINE |
| (Y) ITEM 648 - EDGE LINE, 6" (YELLOW) | (L) ITEM 648 - LANE LINE, 6" | | (Y) EXISTING EDGE LINE, YELLOW | (D) EXISTING DOTTED LINE |

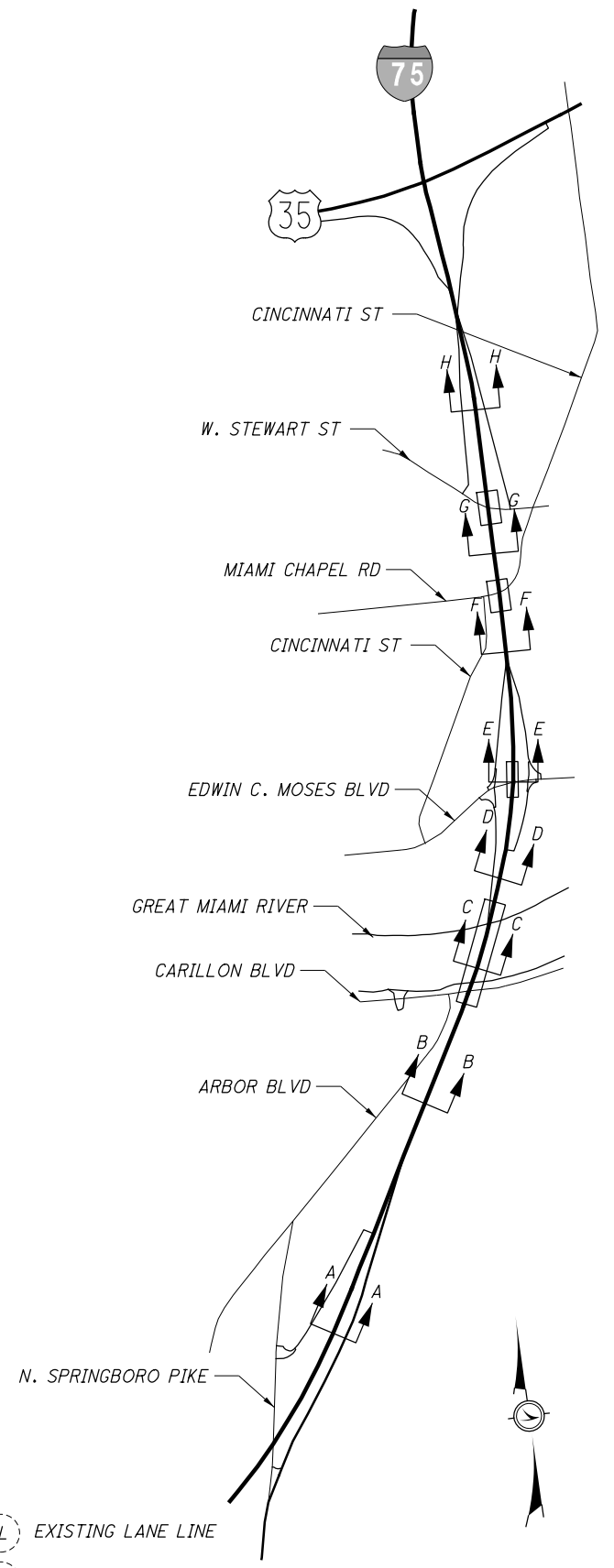


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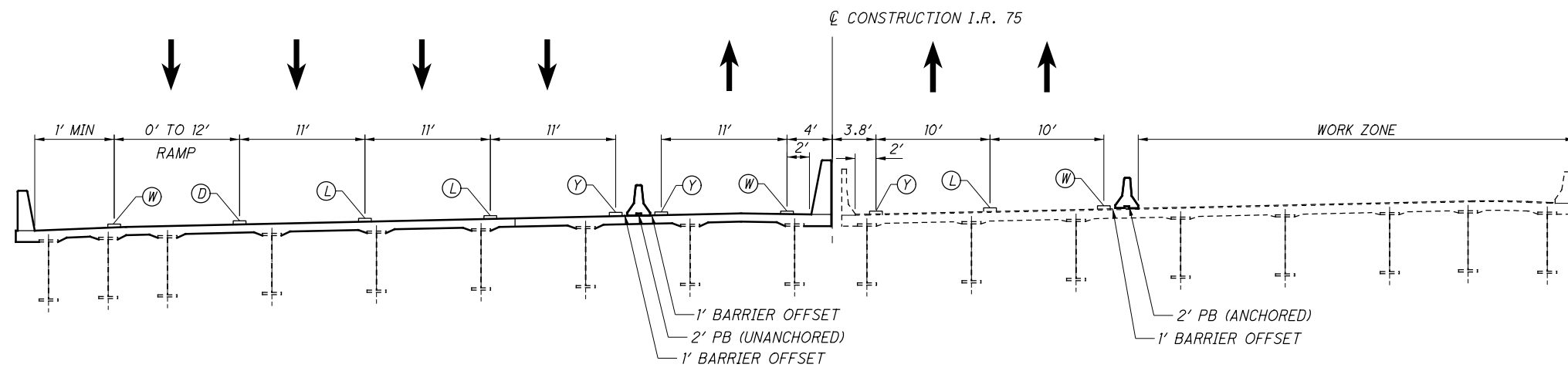


LEGEND

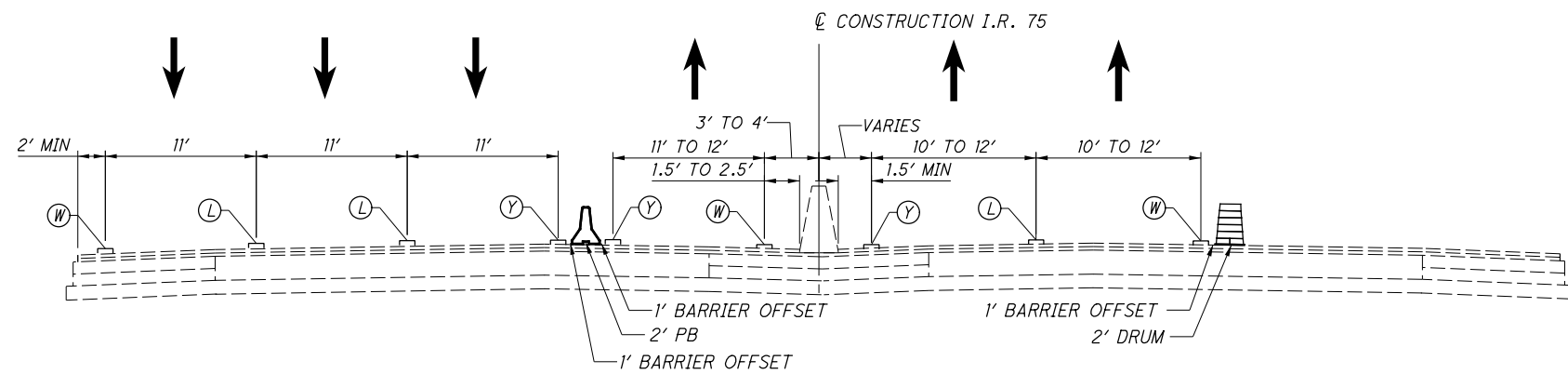
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| (W) ITEM 648 - EDGE LINE, 6" (WHITE) | (D) ITEM 648 - DOTTED LINE, 6" | (C) ITEM 648 - CHANNELIZING LINE, 12" | (W) EXISTING EDGE LINE, WHITE | (L) EXISTING LANE LINE |
| (Y) ITEM 648 - EDGE LINE, 6" (YELLOW) | (L) ITEM 648 - LANE LINE, 6" | | (Y) EXISTING EDGE LINE, YELLOW | (D) EXISTING DOTTED LINE |



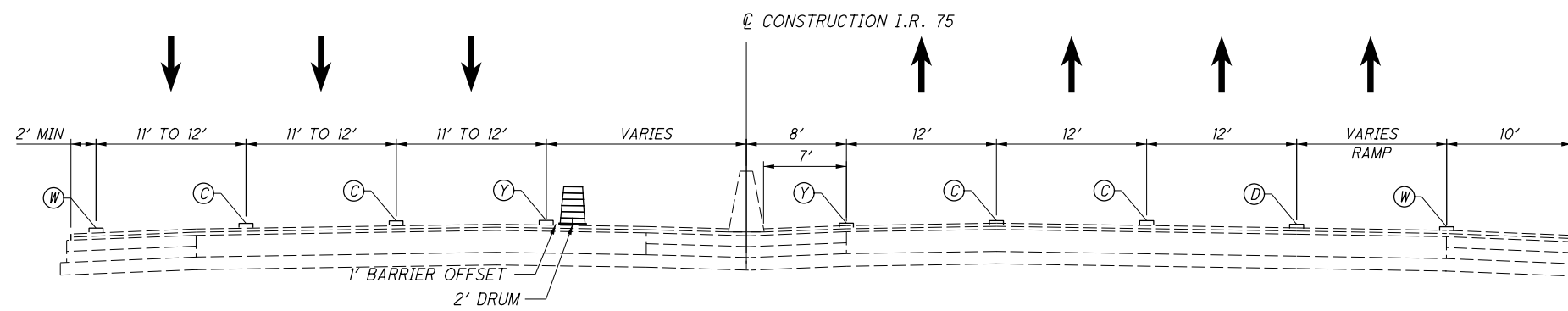
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SECTION C-C



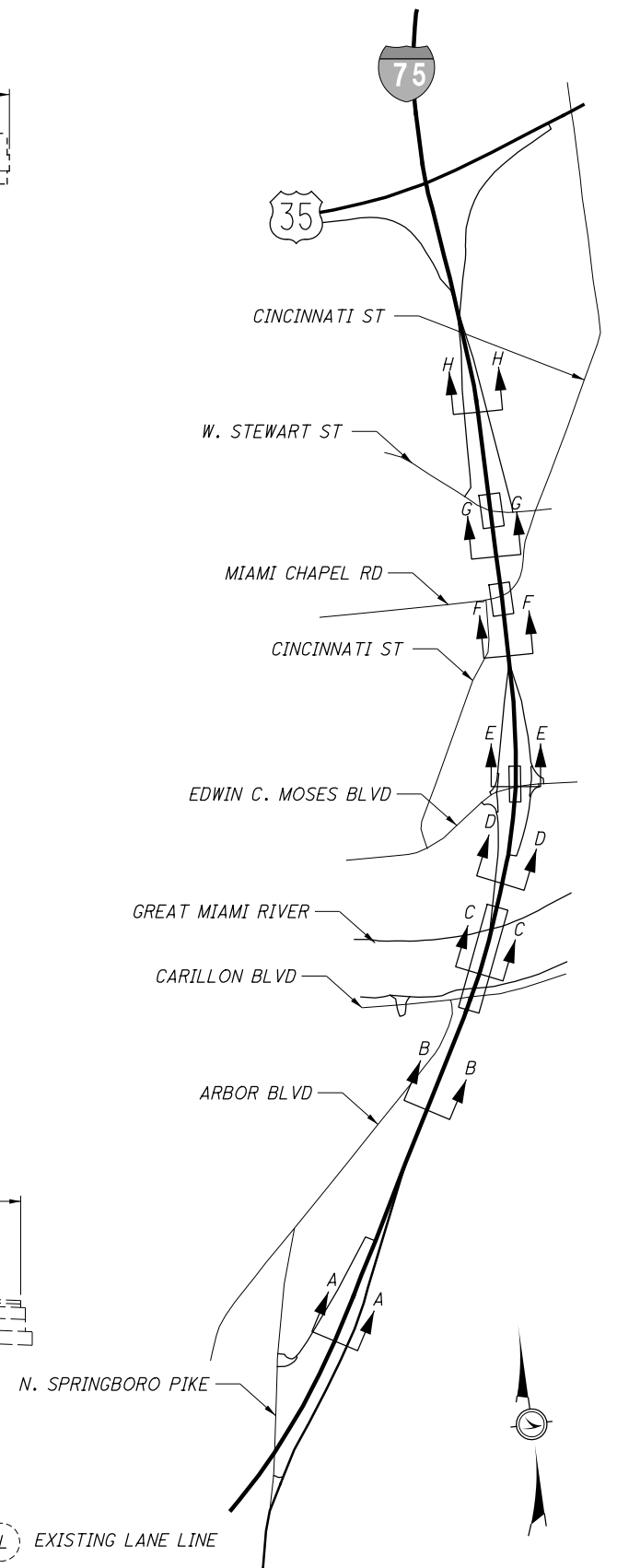
SECTION B-B



SECTION A-A

LEGEND

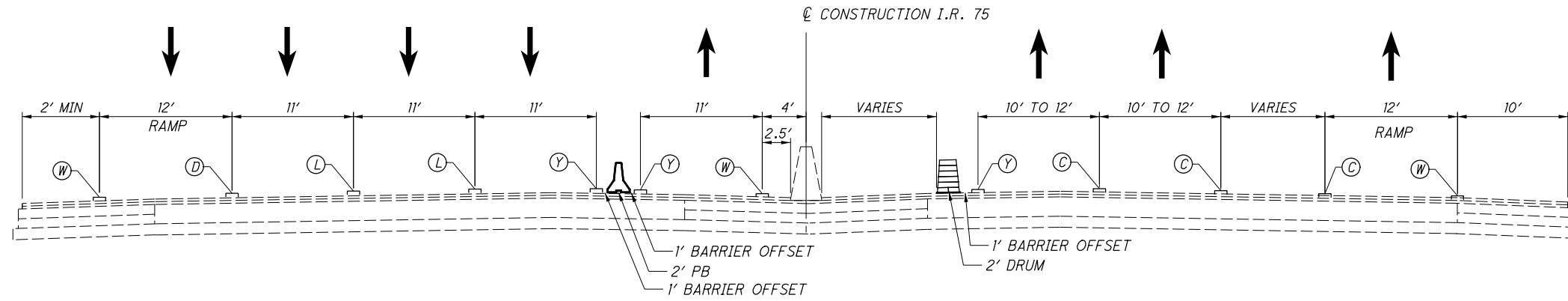
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| (Y) ITEM 648 - EDGE LINE, 6" (YELLOW) | (L) ITEM 648 - LANE LINE, 6" | | (Y) EXISTING EDGE LINE, YELLOW | (D) EXISTING DOTTED LINE |



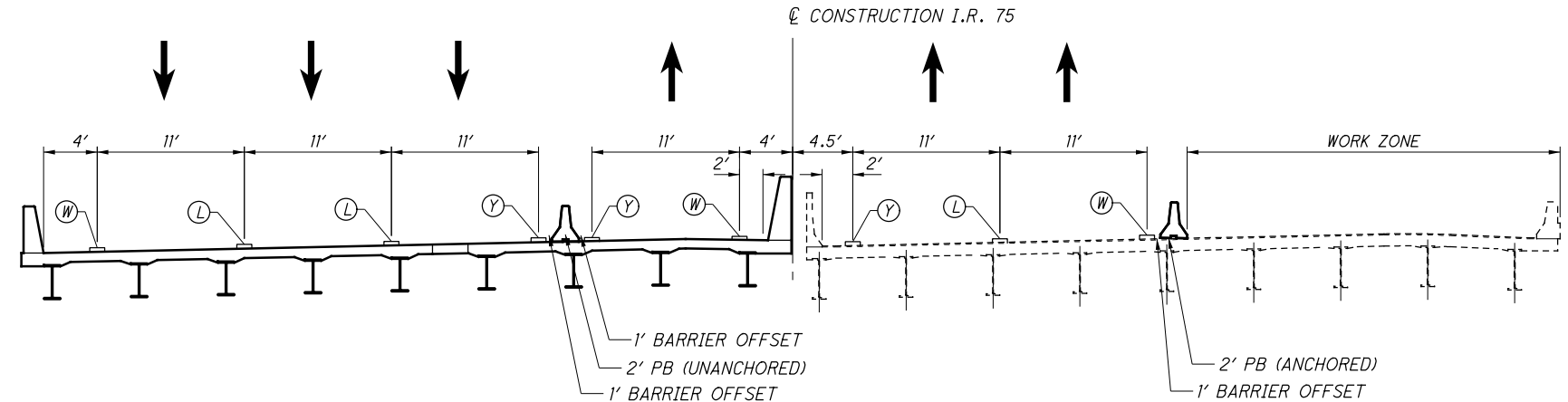
MAINTENANCE OF TRAFFIC - IR 75
TYPICAL SECTIONS - PHASE 4A

MOT-75-(10.44)(10.78)

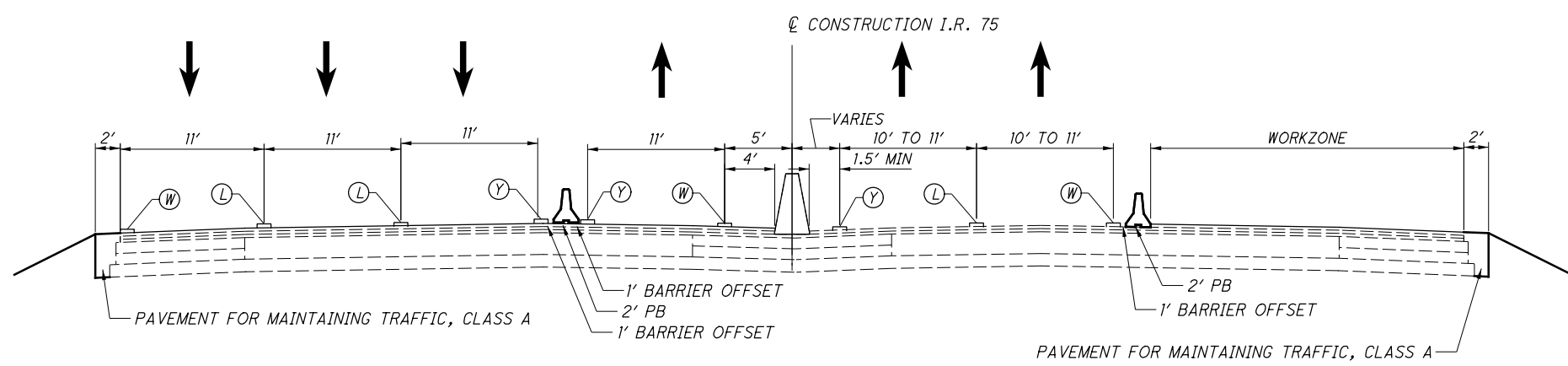
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SECTION F-F



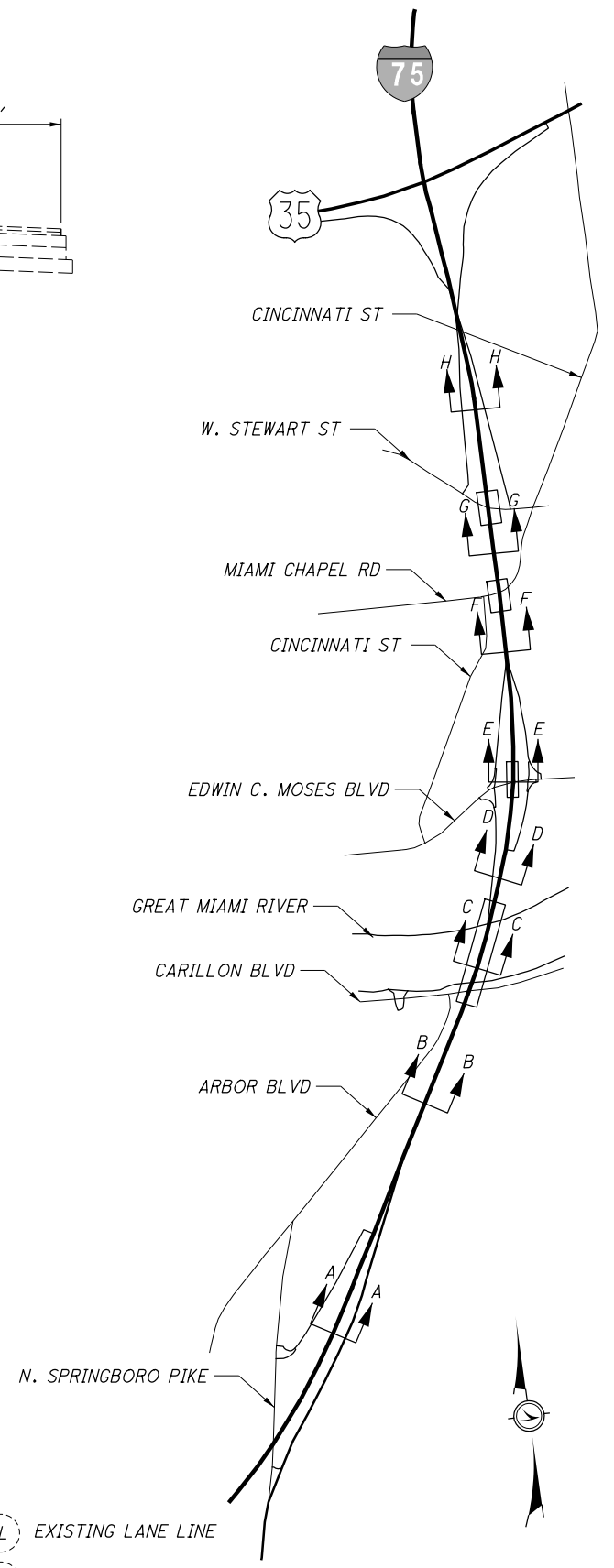
SECTION E-E



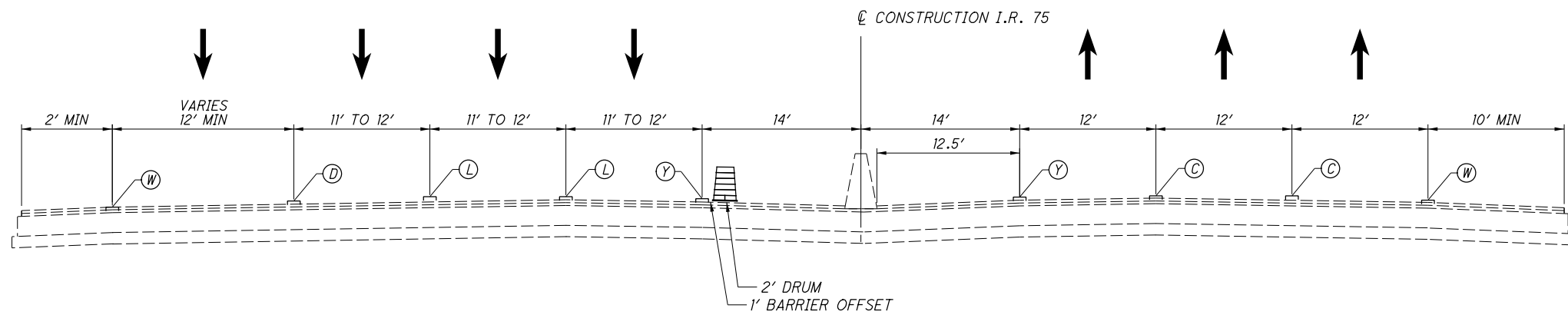
SECTION D-D

LEGEND

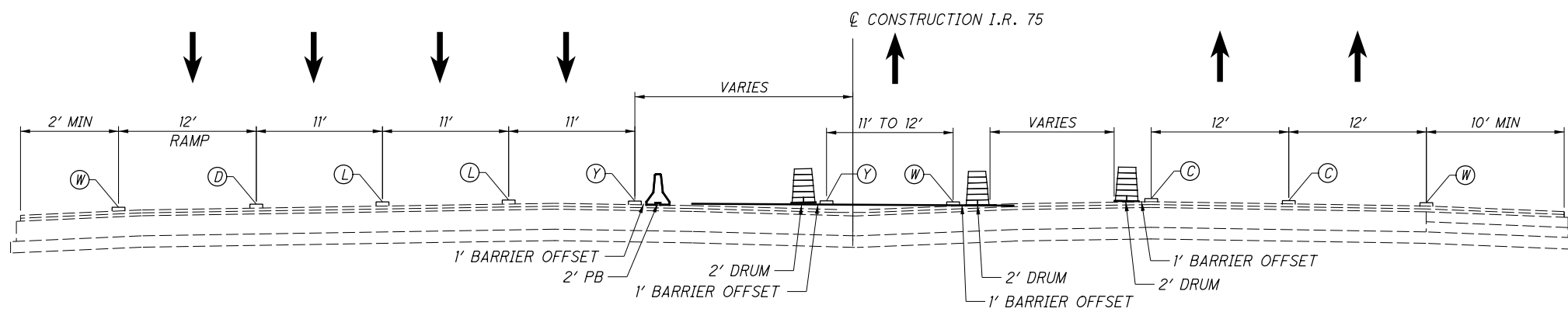
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| (W) ITEM 648 - EDGE LINE, 6" (WHITE) | (D) ITEM 648 - DOTTED LINE, 6" | (C) ITEM 648 - CHANNELIZING LINE, 12" | (W) EXISTING EDGE LINE, WHITE | (L) EXISTING LANE LINE |
| (Y) ITEM 648 - EDGE LINE, 6" (YELLOW) | (L) ITEM 648 - LANE LINE, 6" | | (Y) EXISTING EDGE LINE, YELLOW | (D) EXISTING DOTTED LINE |



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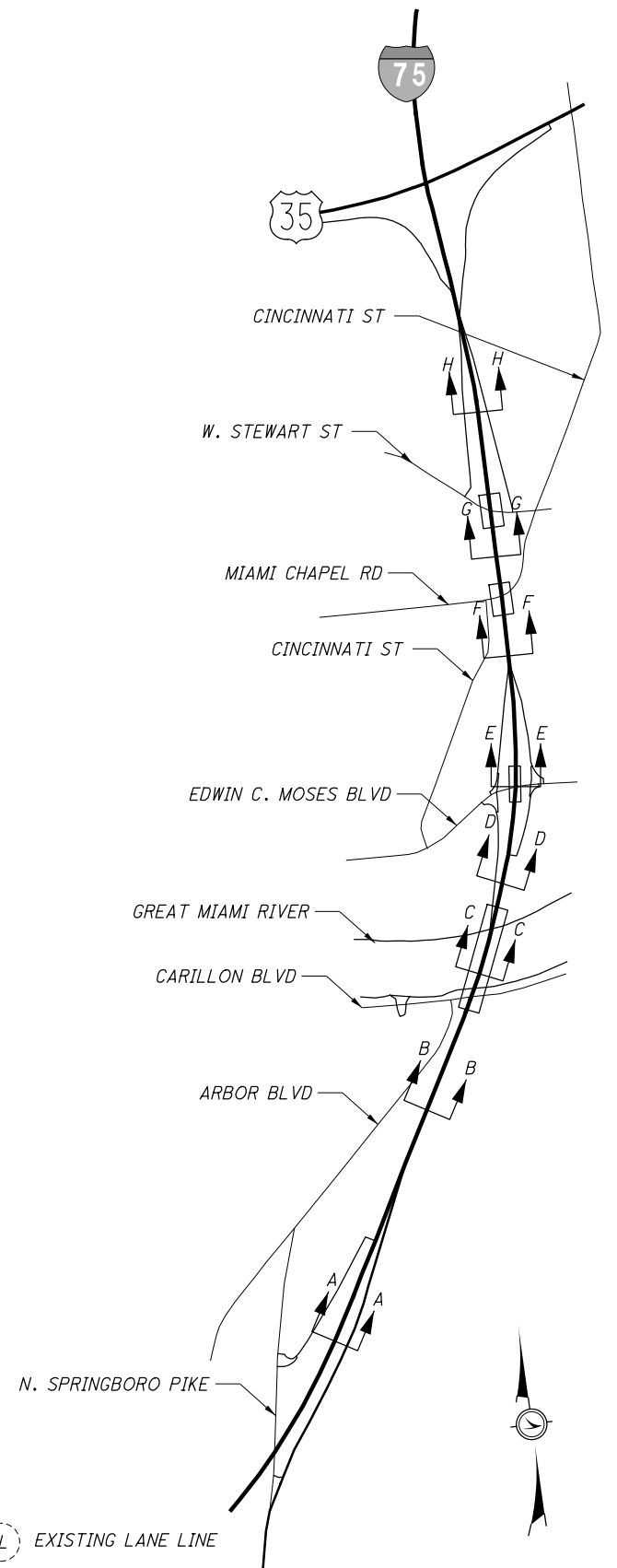
SECTION H-H



SECTION G-G

LEGEND

- | | | | | |
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| (Y) ITEM 648 - EDGE LINE, 6" (YELLOW) | (L) ITEM 648 - LANE LINE, 6" | | (Y) EXISTING EDGE LINE, YELLOW | (D) EXISTING DOTTED LINE |



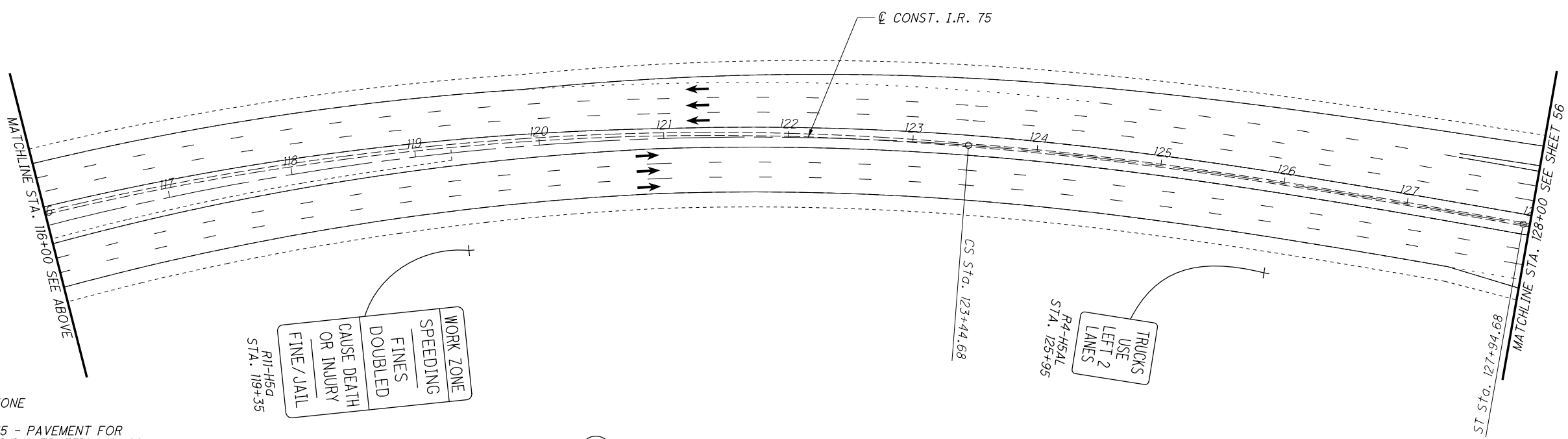
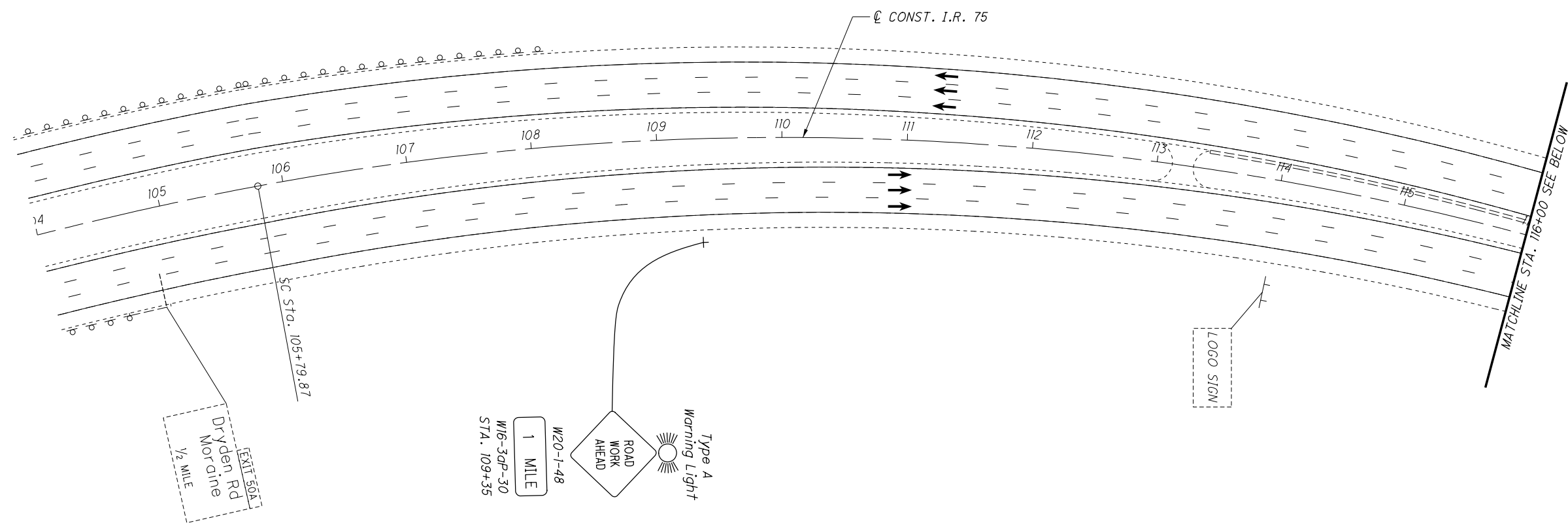
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MAINTENANCE OF TRAFFIC - PHASE 2
STA. 104+00.00 TO STA. 128+00.00

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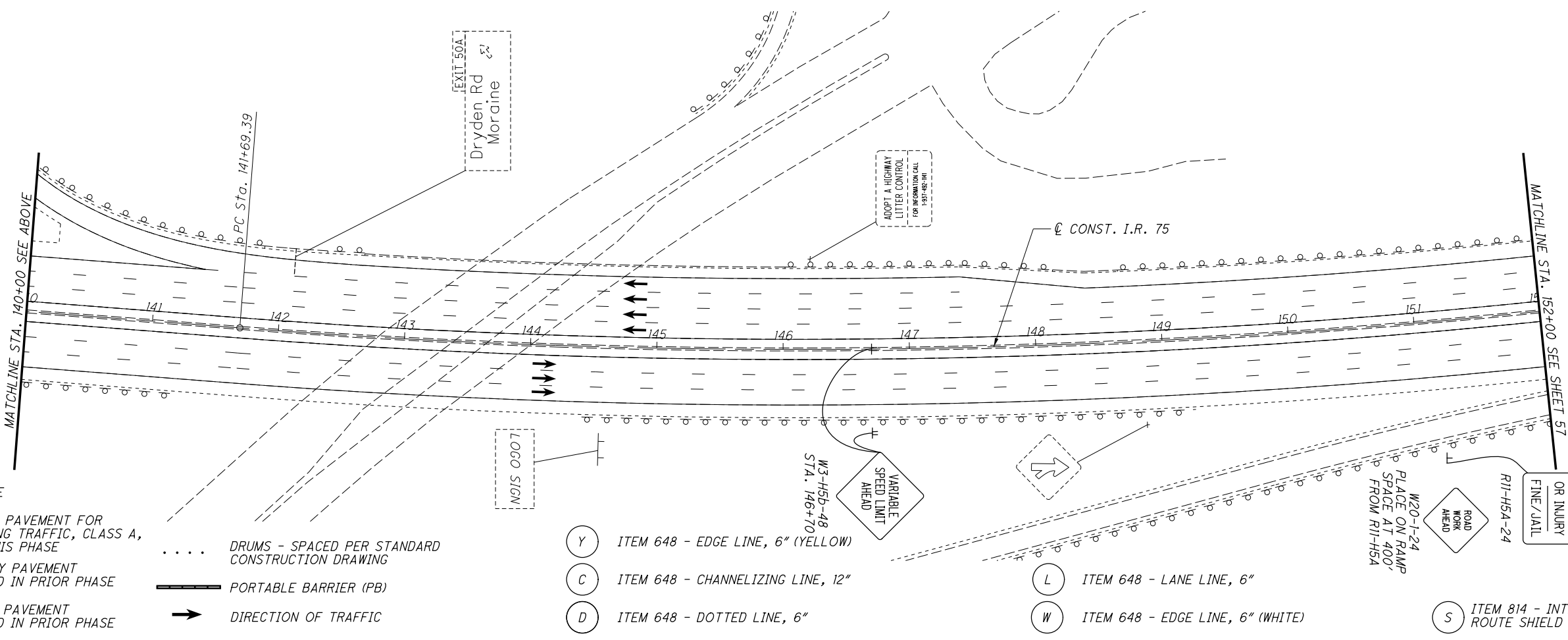
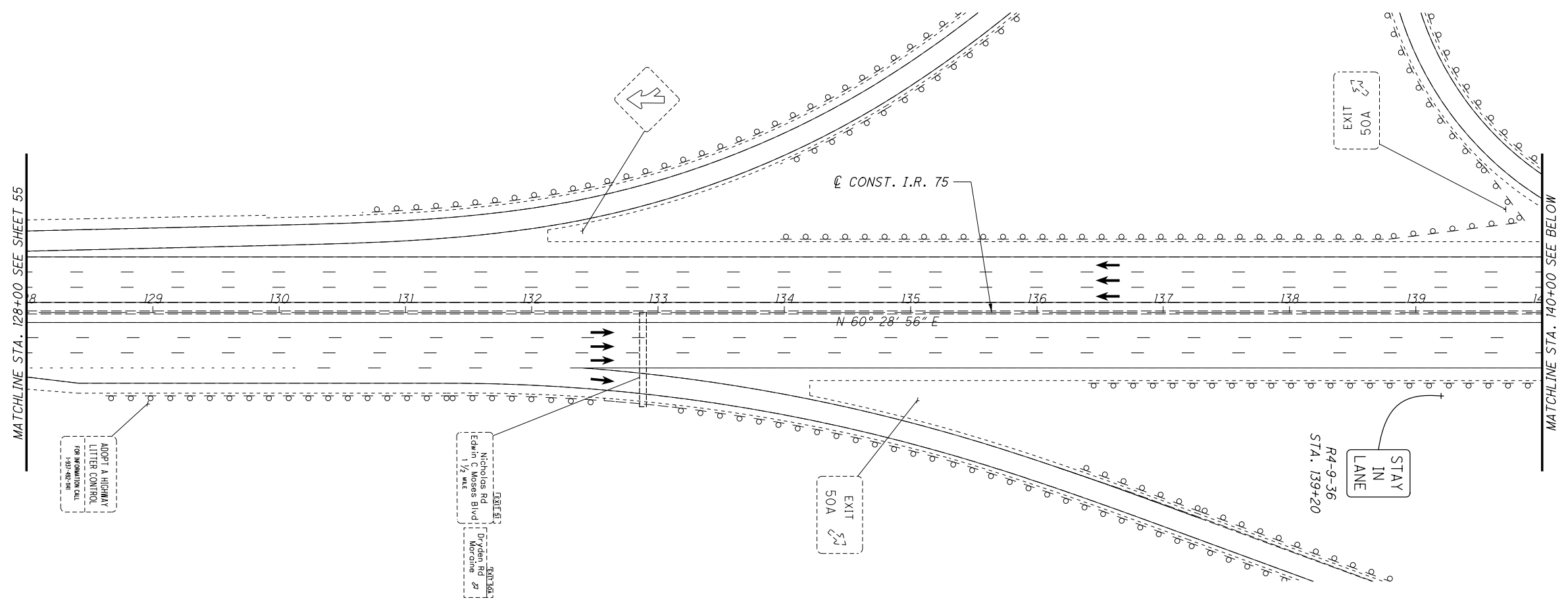
- LEGEND**
- WORK ZONE
 - ITEM 615 - PAVEMENT FOR MAINTAINING TRAFFIC, CLASS A, PLACED THIS PHASE
 - TEMPORARY PAVEMENT COMPLETED IN PRIOR PHASE
 - PROPOSED PAVEMENT COMPLETED IN PRIOR PHASE
 - DRUMS - SPACED PER STANDARD CONSTRUCTION DRAWING
 - PORTABLE BARRIER (PB)
 - DIRECTION OF TRAFFIC
 - ITEM 648 - EDGE LINE, 6" (YELLOW)
 - ITEM 648 - CHANNELIZING LINE, 12"
 - ITEM 648 - DOTTED LINE, 6"
 - ITEM 648 - LANE LINE, 6"
 - ITEM 648 - EDGE LINE, 6" (WHITE)
 - ITEM 814 - INTERSTATE ELONGATED ROUTE SHIELD SYMBOL MARKING, TYPE B125

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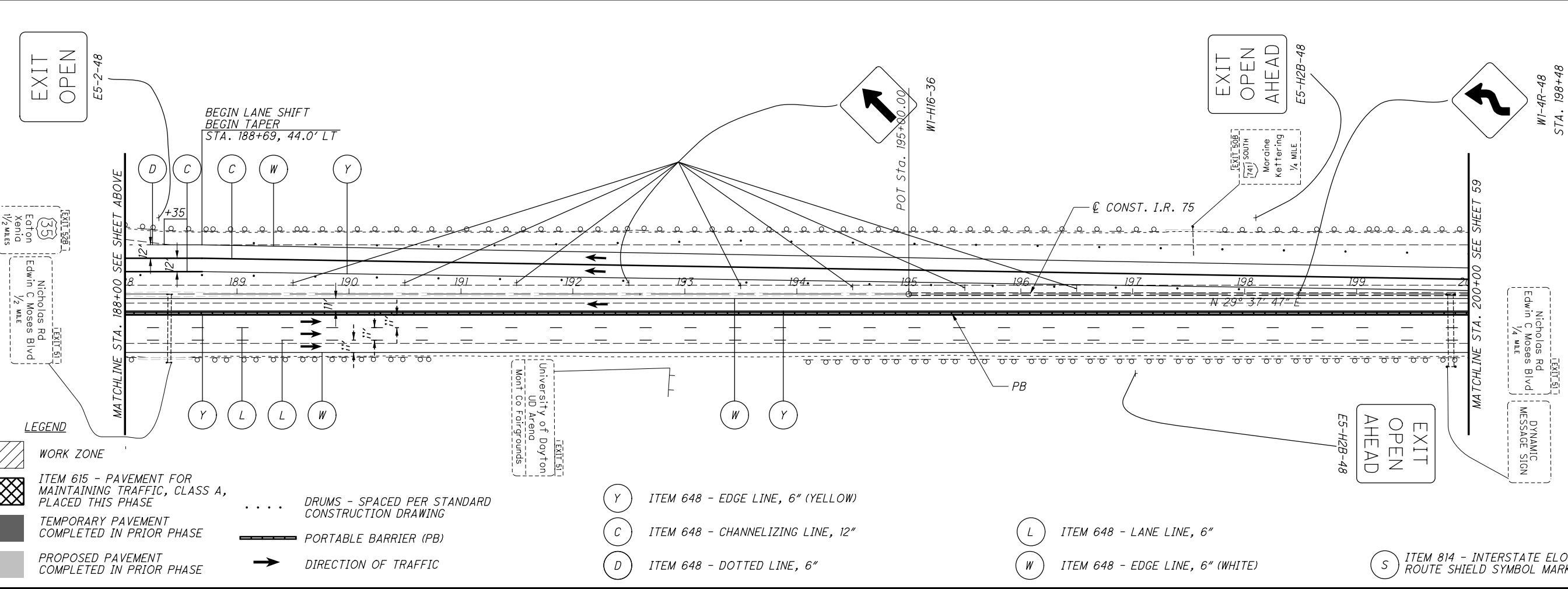
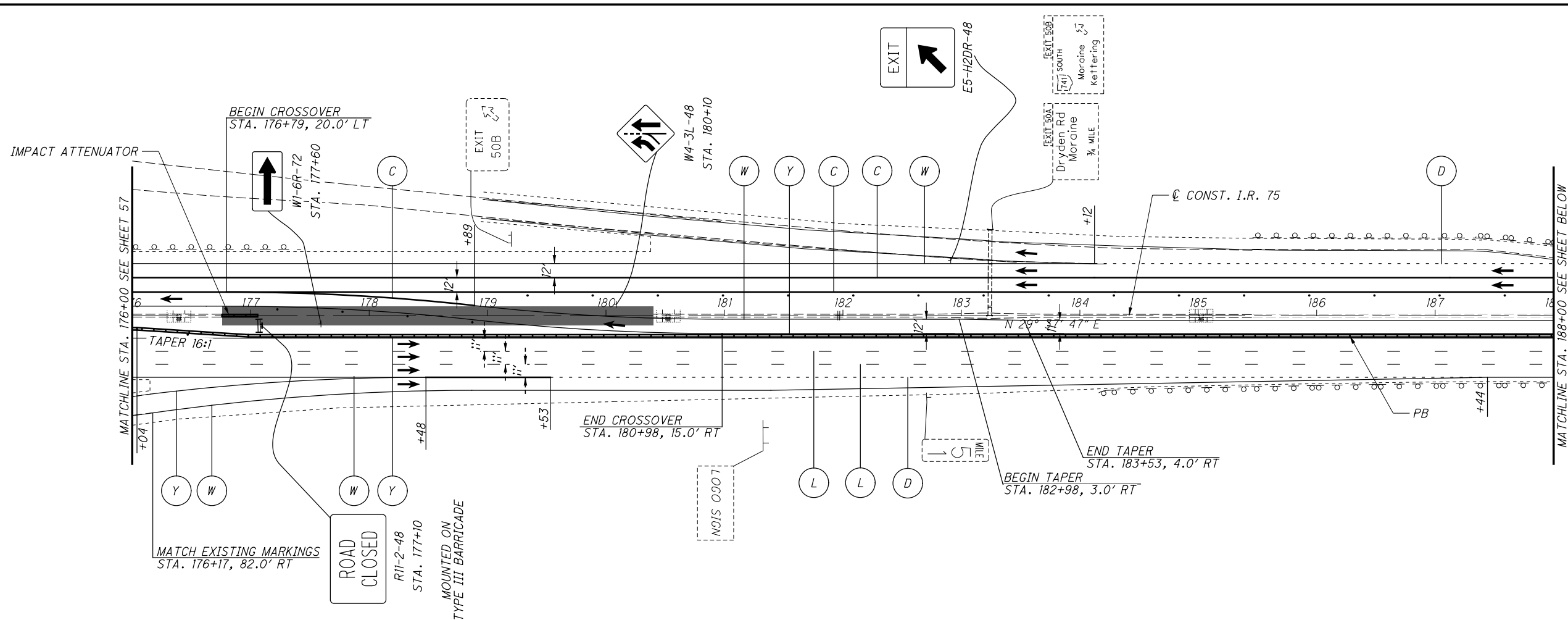
MAINTENANCE OF TRAFFIC - PHASE 2
STA. 128+00.00 TO STA. 152+00.00

MOT-75-(10.44)(10.78)



- LEGEND**
- WORK ZONE
 - ITEM 615 - PAVEMENT FOR MAINTAINING TRAFFIC, CLASS A, PLACED THIS PHASE
 - TEMPORARY PAVEMENT COMPLETED IN PRIOR PHASE
 - PROPOSED PAVEMENT COMPLETED IN PRIOR PHASE
 - DRUMS - SPACED PER STANDARD CONSTRUCTION DRAWING
 - PORTABLE BARRIER (PB)
 - DIRECTION OF TRAFFIC
 - ITEM 648 - EDGE LINE, 6" (YELLOW)
 - ITEM 648 - CHANNELIZING LINE, 12"
 - ITEM 648 - DOTTED LINE, 6"
 - ITEM 648 - LANE LINE, 6"
 - ITEM 648 - EDGE LINE, 6" (WHITE)
 - ITEM 814 - INTERSTATE ELONGATED ROUTE SHIELD SYMBOL MARKING, TYPE B125





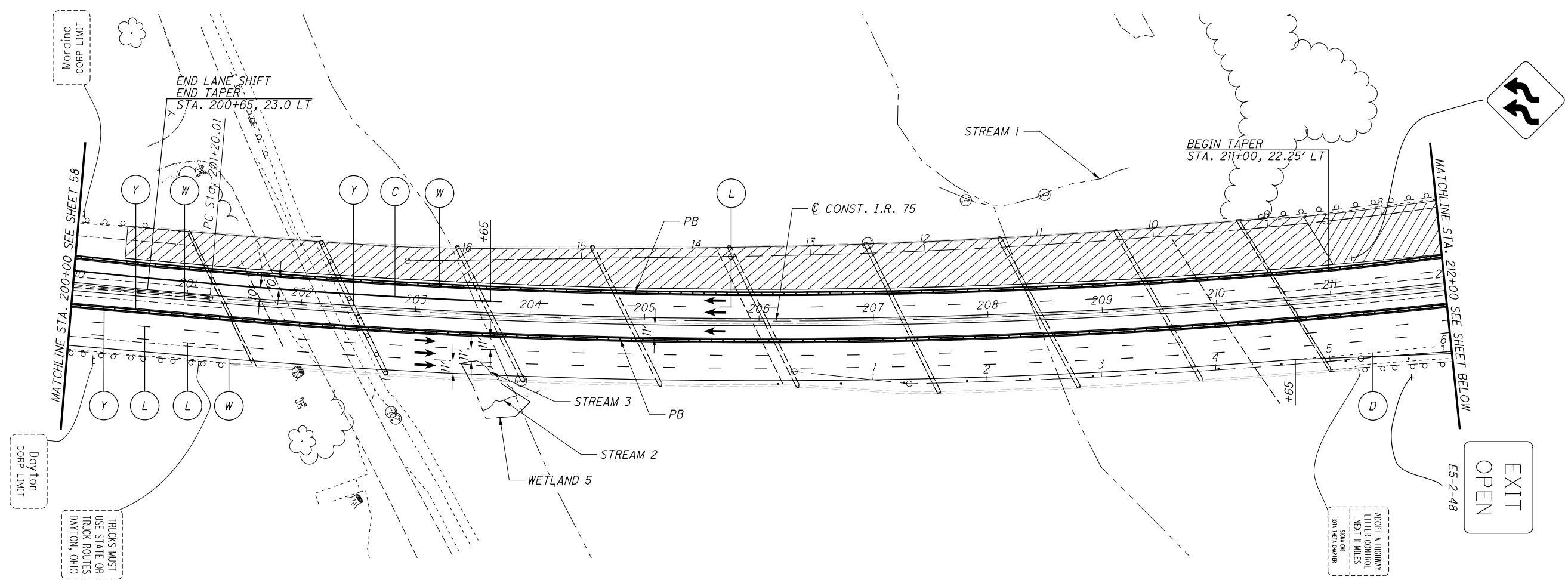
- LEGEND**
- WORK ZONE
 - ITEM 615 - PAVEMENT FOR MAINTAINING TRAFFIC, CLASS A, PLACED THIS PHASE
 - TEMPORARY PAVEMENT COMPLETED IN PRIOR PHASE
 - PROPOSED PAVEMENT COMPLETED IN PRIOR PHASE
 - DRUMS - SPACED PER STANDARD CONSTRUCTION DRAWING
 - PORTABLE BARRIER (PB)
 - DIRECTION OF TRAFFIC
 - ITEM 648 - EDGE LINE, 6" (YELLOW)
 - ITEM 648 - CHANNELIZING LINE, 12"
 - ITEM 648 - DOTTED LINE, 6"
 - ITEM 648 - LANE LINE, 6"
 - ITEM 648 - EDGE LINE, 6" (WHITE)
 - ITEM 814 - INTERSTATE ELONGATED ROUTE SHIELD SYMBOL MARKING, TYPE B125



MAINTENANCE OF TRAFFIC - PHASE 2
STA. 176+00.00 TO STA. 200+00.00

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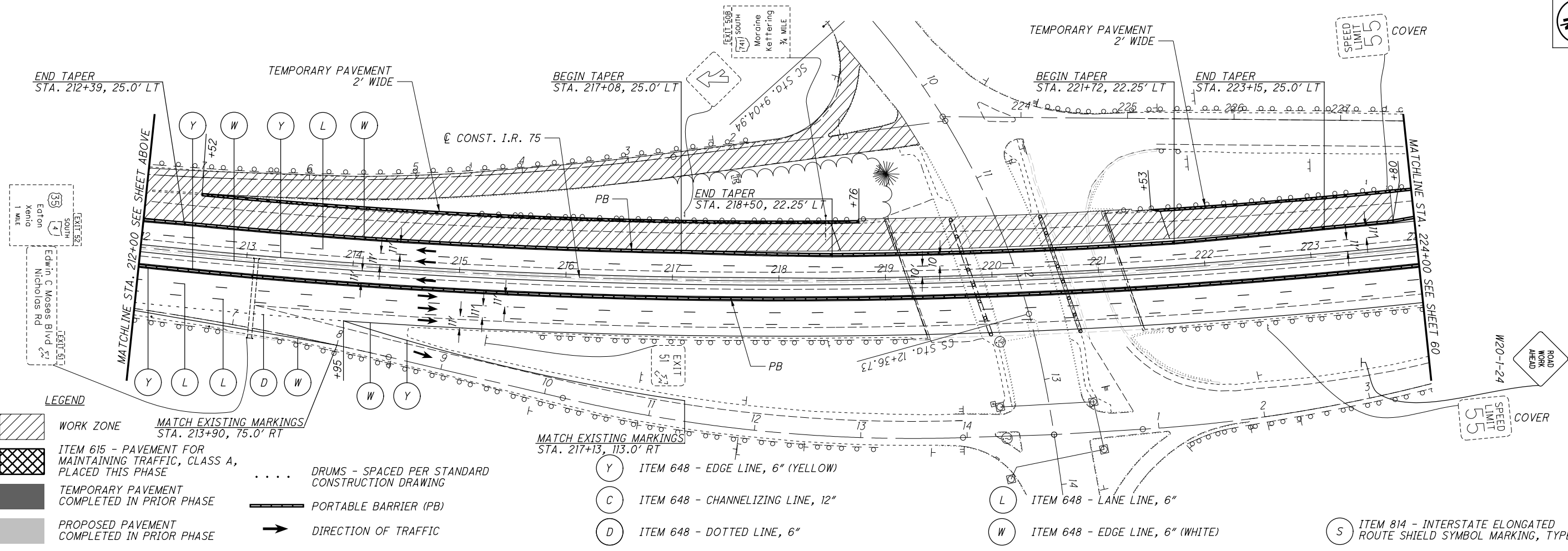
CALCULATED
KRF
CHECKED
MJC

0 50 100
HORIZONTAL
SCALE IN FEET

MAINTENANCE OF TRAFFIC - PHASE 2
STA. 200+00.00 TO STA. 224+00.00

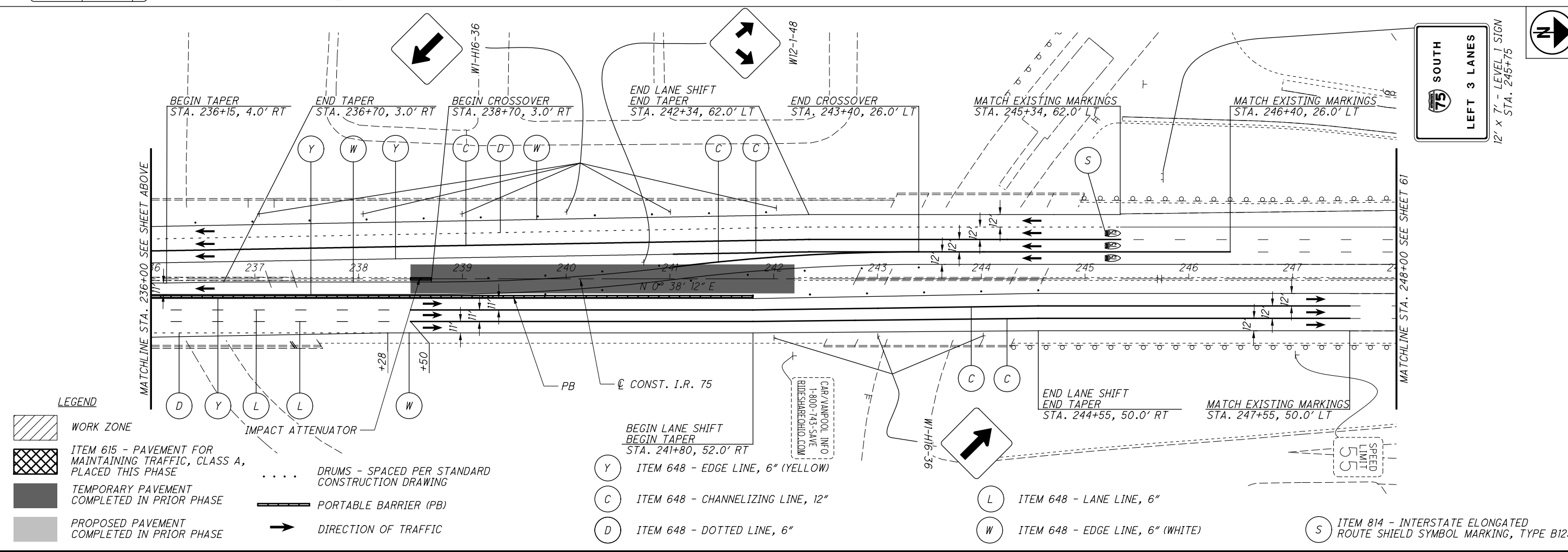
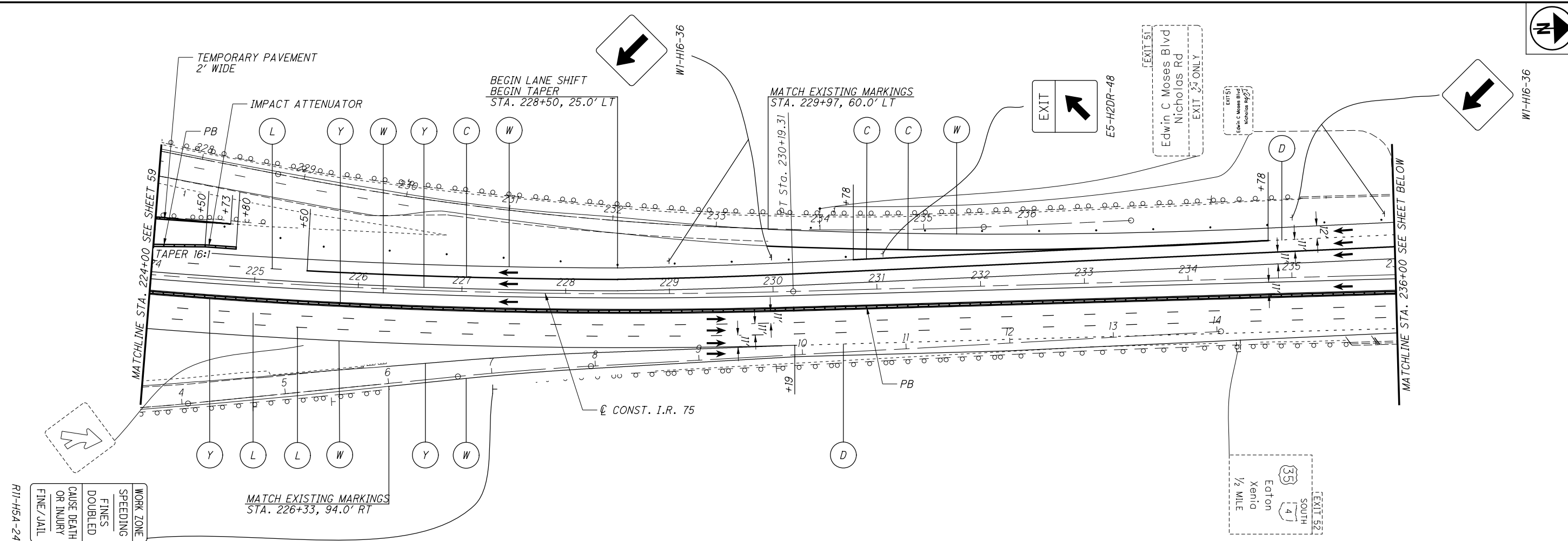
MOT-75-(10.44)(10.78)

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348



- LEGEND**
- WORK ZONE
 - ITEM 615 - PAVEMENT FOR MAINTAINING TRAFFIC, CLASS A, PLACED THIS PHASE
 - TEMPORARY PAVEMENT COMPLETED IN PRIOR PHASE
 - PROPOSED PAVEMENT COMPLETED IN PRIOR PHASE
 - DRUMS - SPACED PER STANDARD CONSTRUCTION DRAWING
 - PORTABLE BARRIER (PB)
 - DIRECTION OF TRAFFIC
 - ITEM 648 - EDGE LINE, 6" (YELLOW)
 - ITEM 648 - CHANNELIZING LINE, 12"
 - ITEM 648 - DOTTED LINE, 6"
 - ITEM 648 - LANE LINE, 6"
 - ITEM 648 - EDGE LINE, 6" (WHITE)
 - ITEM 814 - INTERSTATE ELONGATED ROUTE SHIELD SYMBOL MARKING, TYPE B125

ADAPT A HIGHWAY LITTER CONTROL NEXT 11 MILES

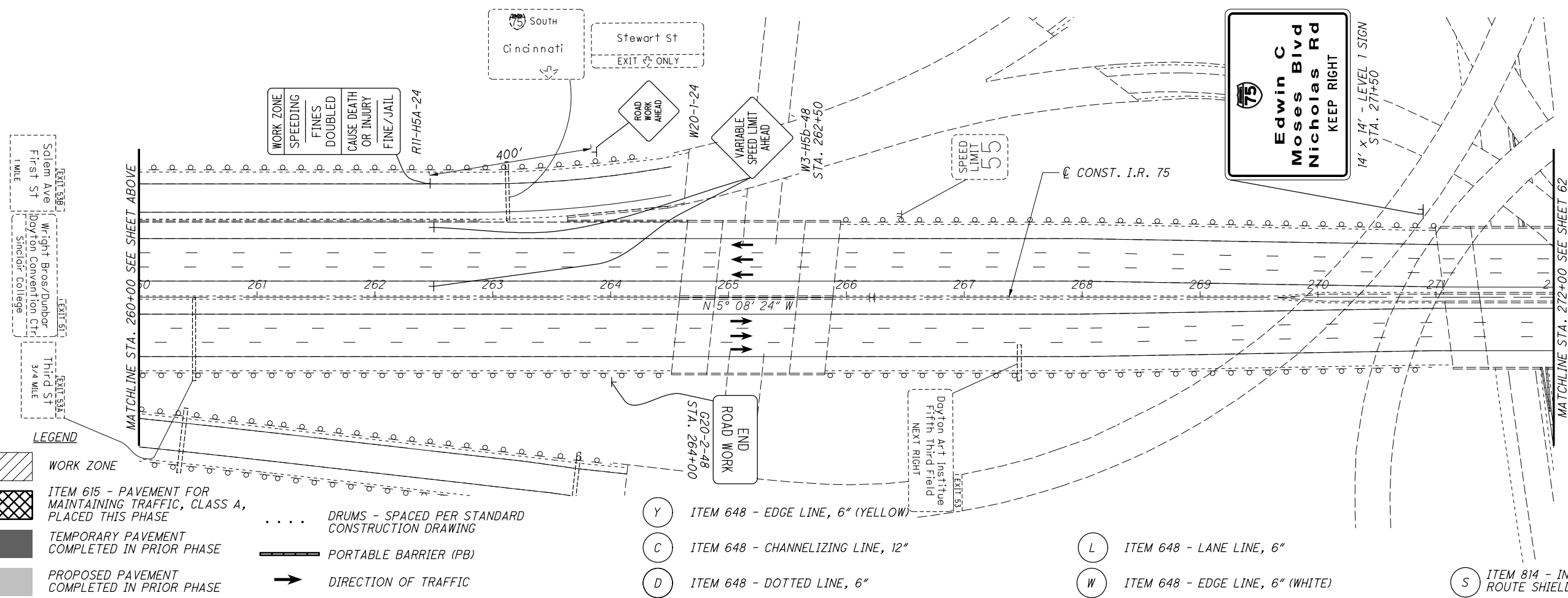
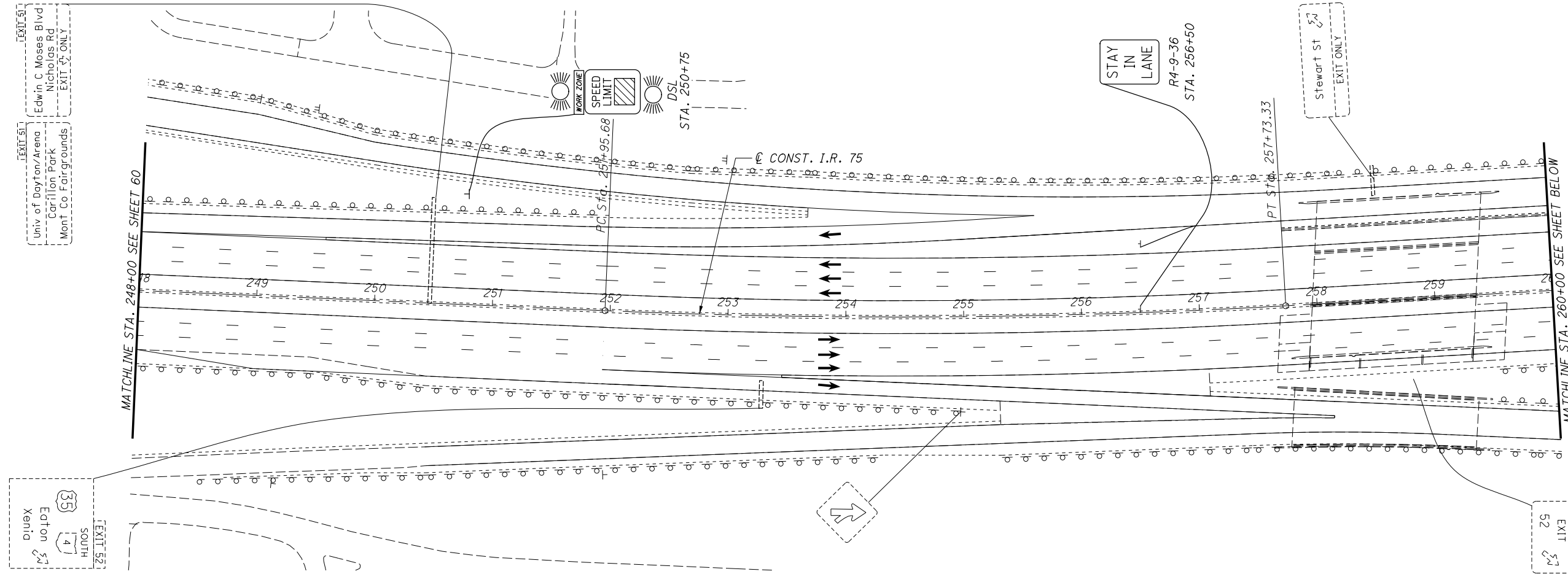


LEGEND			
	WORK ZONE		DRUMS - SPACED PER STANDARD CONSTRUCTION DRAWING
	ITEM 615 - PAVEMENT FOR MAINTAINING TRAFFIC, CLASS A, PLACED THIS PHASE		TEMPORARY PAVEMENT COMPLETED IN PRIOR PHASE
	PROPOSED PAVEMENT COMPLETED IN PRIOR PHASE		PORTABLE BARRIER (PB)
	DIRECTION OF TRAFFIC		ITEM 648 - EDGE LINE, 6" (YELLOW)
			ITEM 648 - CHANNELIZING LINE, 12"
			ITEM 648 - DOTTED LINE, 6"
			ITEM 648 - LANE LINE, 6"
			ITEM 648 - EDGE LINE, 6" (WHITE)
			ITEM 814 - INTERSTATE ELONGATED ROUTE SHIELD SYMBOL MARKING, TYPE B125

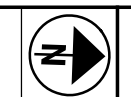
CALCULATED	KRF	M/JC

MAINTENANCE OF TRAFFIC - PHASE 2
STA. 224+00.00 TO STA. 248+00.00

MOT-75-(10.44)(10.78)



- LEGEND**
- WORK ZONE
 - ITEM 615 - PAVEMENT FOR MAINTAINING TRAFFIC, CLASS A, PLACED THIS PHASE
 - TEMPORARY PAVEMENT COMPLETED IN PRIOR PHASE
 - PROPOSED PAVEMENT COMPLETED IN PRIOR PHASE
 - DRUMS - SPACED PER STANDARD CONSTRUCTION DRAWING
 - PORTABLE BARRIER (PB)
 - DIRECTION OF TRAFFIC
 - ITEM 648 - EDGE LINE, 6" (YELLOW)
 - ITEM 648 - CHANNELIZING LINE, 12"
 - ITEM 648 - DOTTED LINE, 6"
 - ITEM 648 - LANE LINE, 6"
 - ITEM 648 - EDGE LINE, 6" (WHITE)
 - ITEM 814 - INTERSTATE ELONGATED ROUTE SHIELD SYMBOL MARKING, TYPE B125



CALCULATED	KRF	CHECKED	MJC

0 50 100
HORIZONTAL SCALE IN FEET

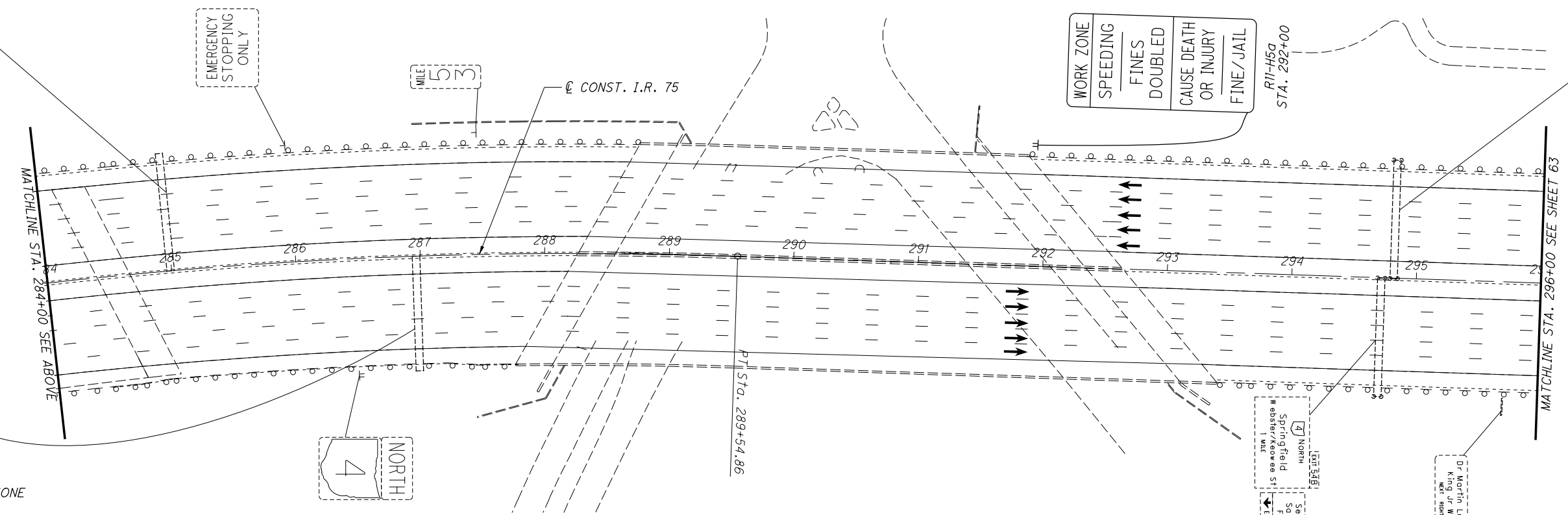
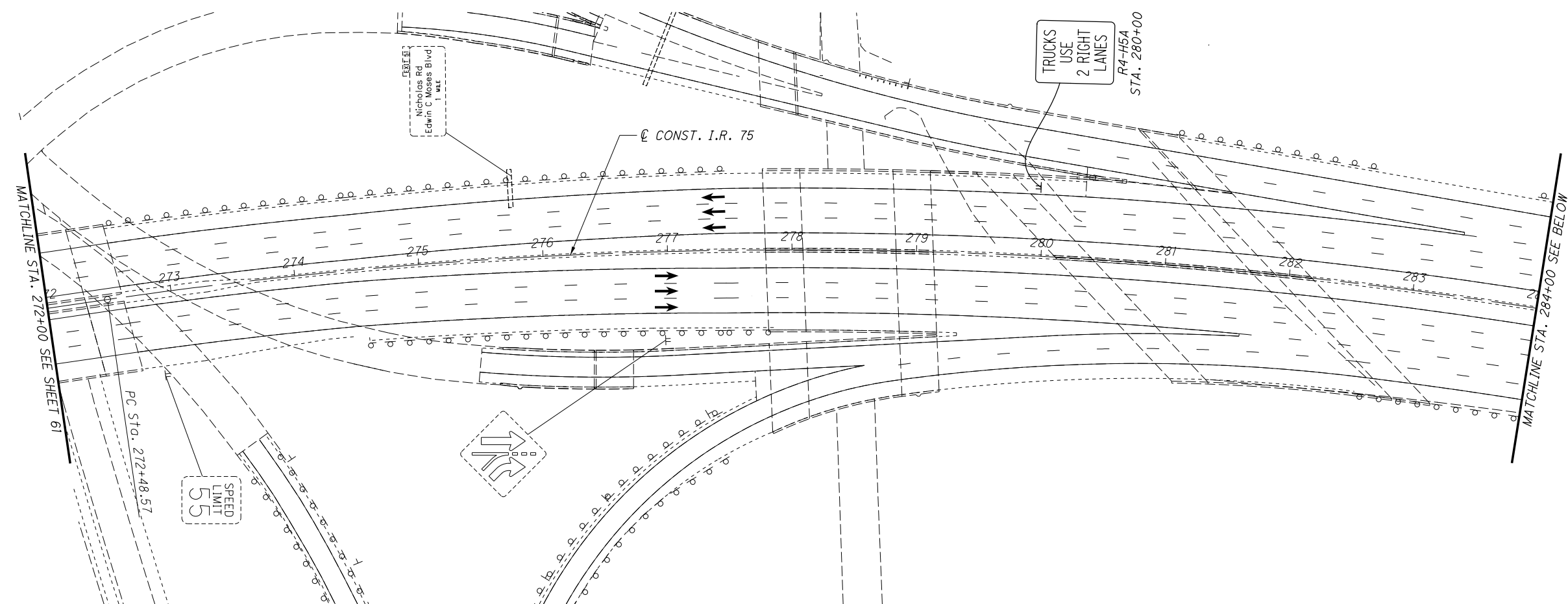
MAINTENANCE OF TRAFFIC - PHASE 2
STA. 248+00.00 TO STA. 272+00.00

MOT-75-(10.44)(10.78)

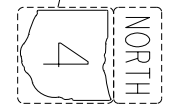


MAINTENANCE OF TRAFFIC - PHASE 2
STA. 272+00.00 TO STA. 296+00.00

MOT-75-(10.44)(10.78)

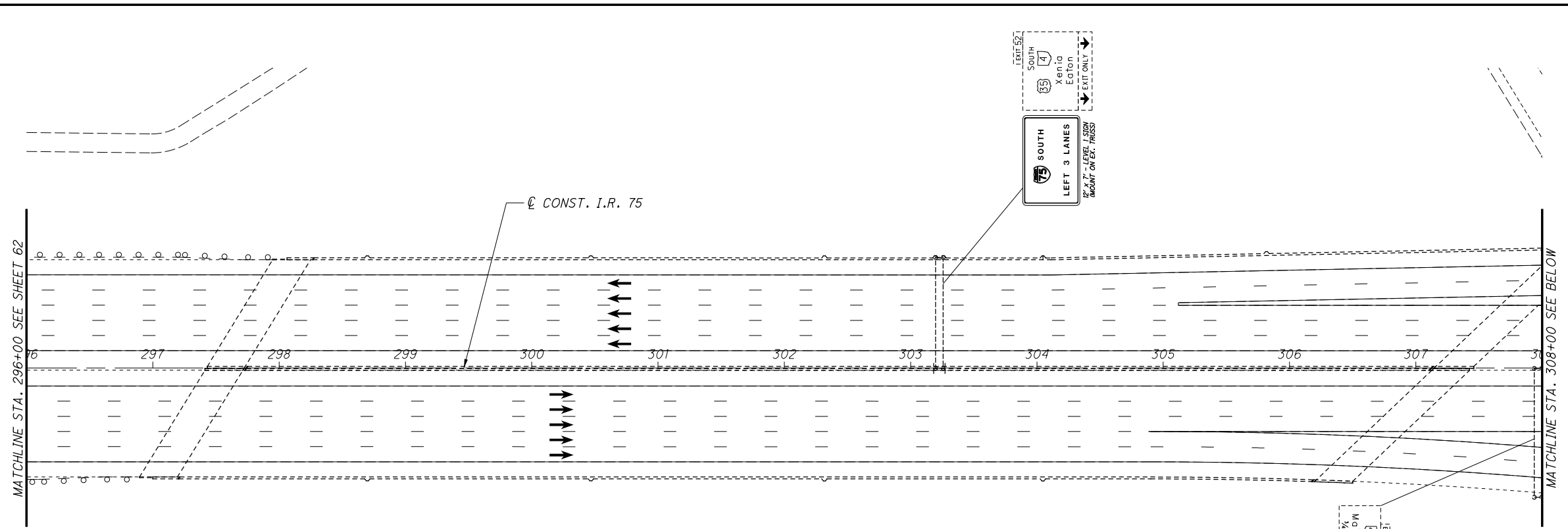
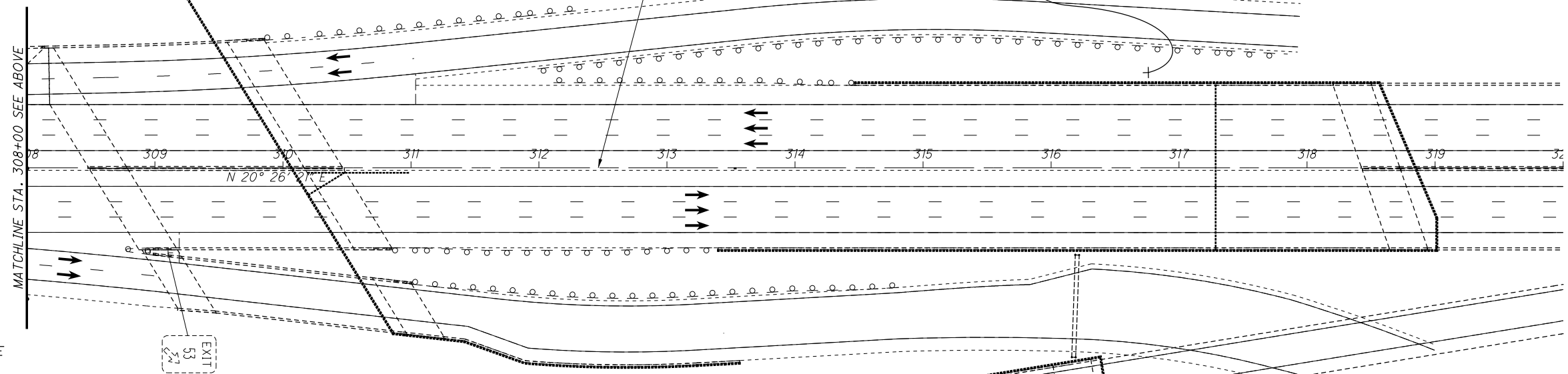


- LEGEND**
- WORK ZONE
 - ITEM 615 - PAVEMENT FOR MAINTAINING TRAFFIC, CLASS A, PLACED THIS PHASE
 - TEMPORARY PAVEMENT COMPLETED IN PRIOR PHASE
 - PROPOSED PAVEMENT COMPLETED IN PRIOR PHASE
 - DRUMS - SPACED PER STANDARD CONSTRUCTION DRAWING
 - PORTABLE BARRIER (PB)
 - DIRECTION OF TRAFFIC
 - ITEM 648 - EDGE LINE, 6" (YELLOW)
 - ITEM 648 - CHANNELIZING LINE, 12"
 - ITEM 648 - DOTTED LINE, 6"
 - ITEM 648 - LANE LINE, 6"
 - ITEM 648 - EDGE LINE, 6" (WHITE)
 - ITEM 814 - INTERSTATE ELONGATED ROUTE SHIELD SYMBOL MARKING, TYPE B125



- ITEM 648 - EDGE LINE, 6" (YELLOW)
- ITEM 648 - CHANNELIZING LINE, 12"
- ITEM 648 - DOTTED LINE, 6"
- ITEM 648 - LANE LINE, 6"
- ITEM 648 - EDGE LINE, 6" (WHITE)
- ITEM 814 - INTERSTATE ELONGATED ROUTE SHIELD SYMBOL MARKING, TYPE B125

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- LEGEND**
- WORK ZONE
 - ITEM 615 - PAVEMENT FOR MAINTAINING TRAFFIC, CLASS A, PLACED THIS PHASE
 - TEMPORARY PAVEMENT COMPLETED IN PRIOR PHASE
 - PROPOSED PAVEMENT COMPLETED IN PRIOR PHASE
 - DRUMS - SPACED PER STANDARD CONSTRUCTION DRAWING
 - PORTABLE BARRIER (PB)
 - DIRECTION OF TRAFFIC
 - ITEM 648 - EDGE LINE, 6" (YELLOW)
 - ITEM 648 - CHANNELIZING LINE, 12"
 - ITEM 648 - DOTTED LINE, 6"
 - ITEM 648 - LANE LINE, 6"
 - ITEM 648 - EDGE LINE, 6" (WHITE)
 - ITEM 814 - INTERSTATE ELONGATED ROUTE SHIELD SYMBOL MARKING, TYPE B125

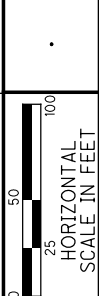


CALCULATED	KRF	CHECKED	MJC

MAINTENANCE OF TRAFFIC - PHASE 2
STA. 296+00.00 TO STA. 320+00.00

MOT-75-(10.44)(10.78)

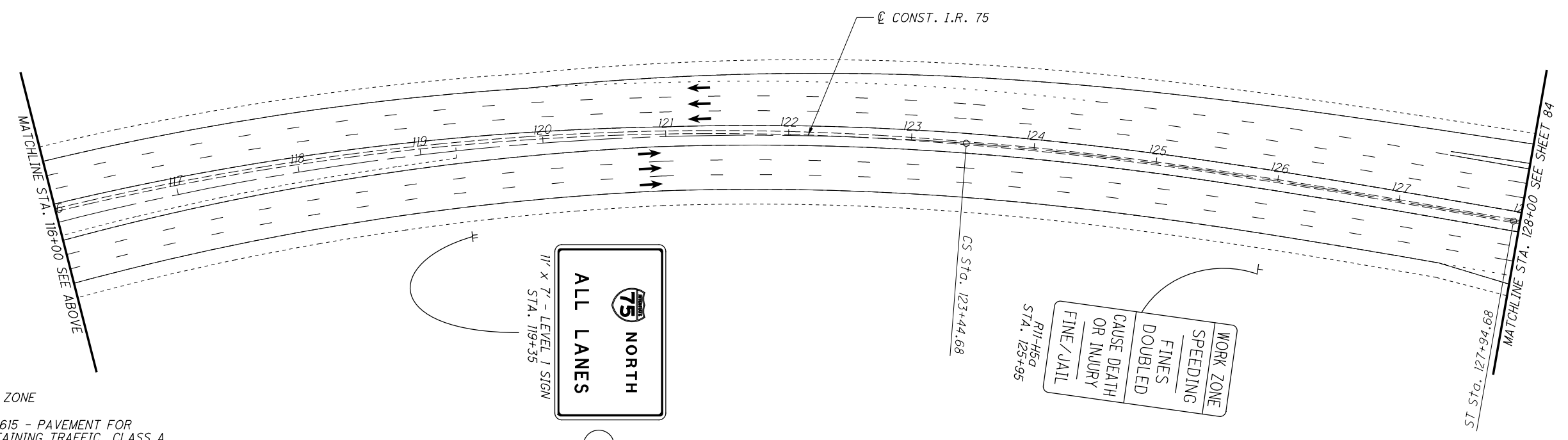
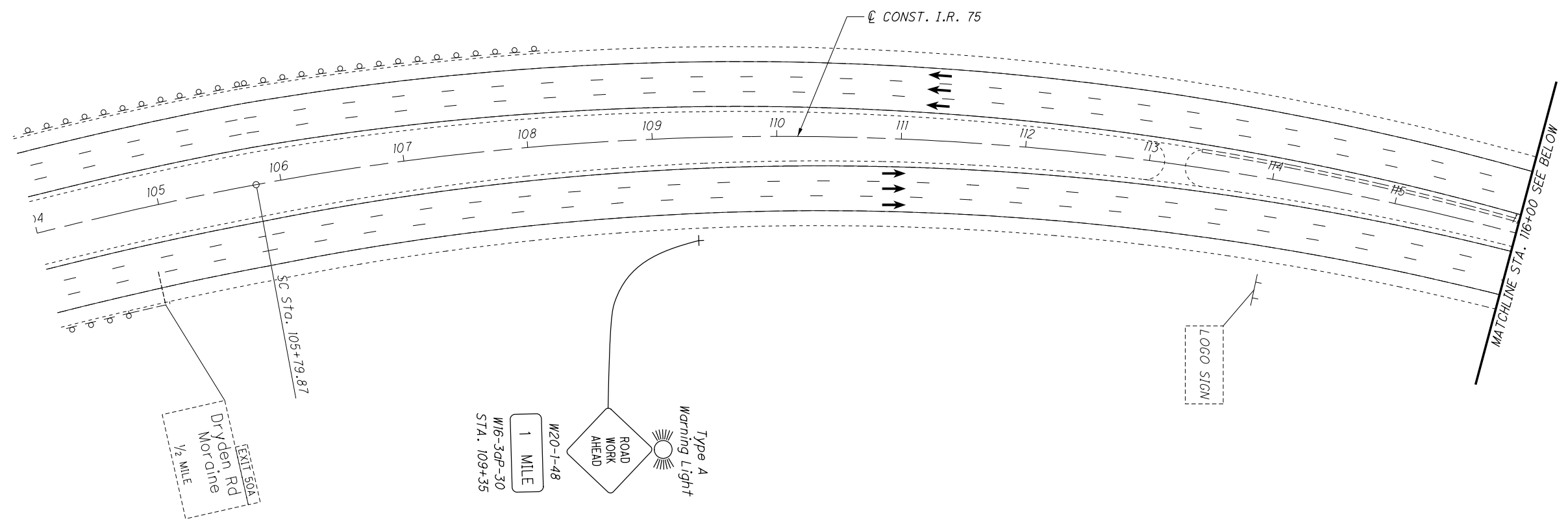
63
348





MAINTENANCE OF TRAFFIC - PHASE 4A
STA. 104+00.00 TO STA. 128+00.00

MOT-75-(10.44)(10.78)



LEGEND

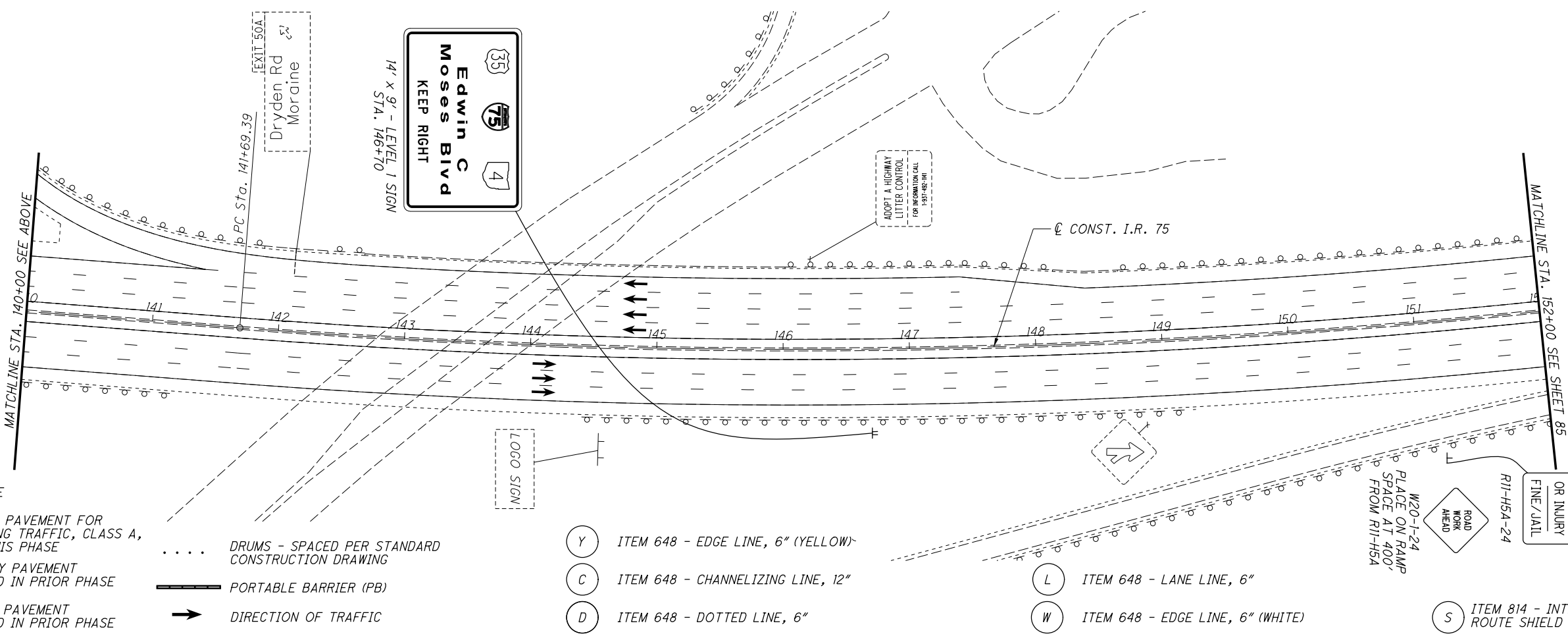
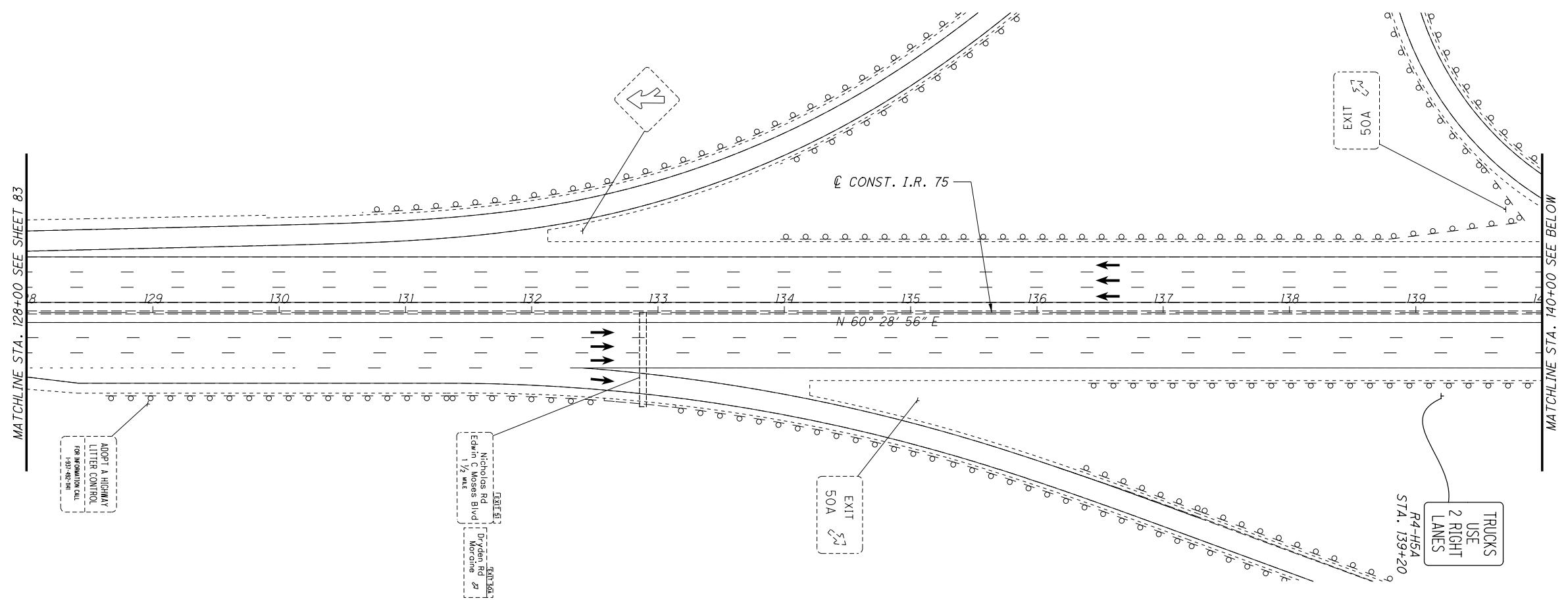
- WORK ZONE
- ITEM 615 - PAVEMENT FOR MAINTAINING TRAFFIC, CLASS A, PLACED THIS PHASE
- TEMPORARY PAVEMENT COMPLETED IN PRIOR PHASE
- PROPOSED PAVEMENT COMPLETED IN PRIOR PHASE

- DRUMS - SPACED PER STANDARD CONSTRUCTION DRAWING
- PORTABLE BARRIER (PB)
- DIRECTION OF TRAFFIC

- (Y) ITEM 648 - EDGE LINE, 6" (YELLOW)
- (C) ITEM 648 - CHANNELIZING LINE, 12"
- (D) ITEM 648 - DOTTED LINE, 6"

- (L) ITEM 648 - LANE LINE, 6"
- (W) ITEM 648 - EDGE LINE, 6" (WHITE)

- (S) ITEM 814 - INTERSTATE ELONGATED ROUTE SHIELD SYMBOL MARKING, TYPE B125



LEGEND

	WORK ZONE
	ITEM 615 - PAVEMENT FOR MAINTAINING TRAFFIC, CLASS A, PLACED THIS PHASE
	TEMPORARY PAVEMENT COMPLETED IN PRIOR PHASE
	PROPOSED PAVEMENT COMPLETED IN PRIOR PHASE
	DRUMS - SPACED PER STANDARD CONSTRUCTION DRAWING
	PORTABLE BARRIER (PB)
	DIRECTION OF TRAFFIC

- (Y) ITEM 648 - EDGE LINE, 6" (YELLOW)
- (C) ITEM 648 - CHANNELIZING LINE, 12"
- (D) ITEM 648 - DOTTED LINE, 6"

- (L) ITEM 648 - LANE LINE, 6"
- (W) ITEM 648 - EDGE LINE, 6" (WHITE)

- (S) ITEM 814 - INTERSTATE ELONGATED ROUTE SHIELD SYMBOL MARKING, TYPE B125



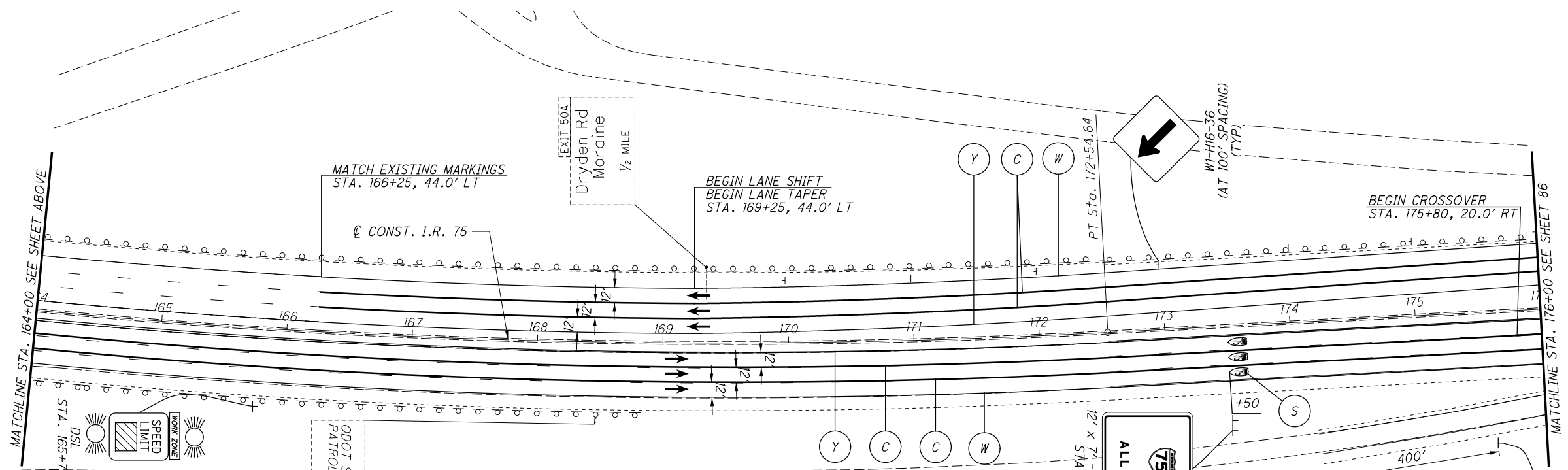
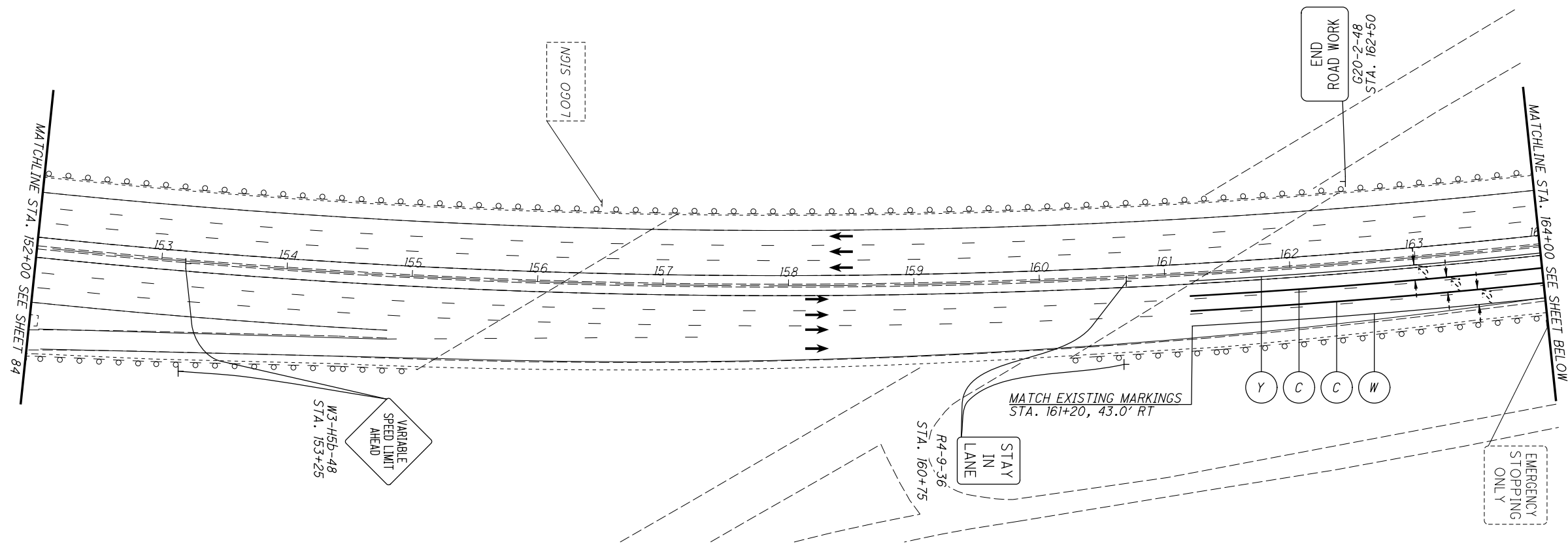
CALCULATED	KRF	CHECKED	MJC

MAINTENANCE OF TRAFFIC - PHASE 4A
STA. 128+00.00 TO STA. 152+00.00

MOT-75-(10.44)(10.78)
 84
 348



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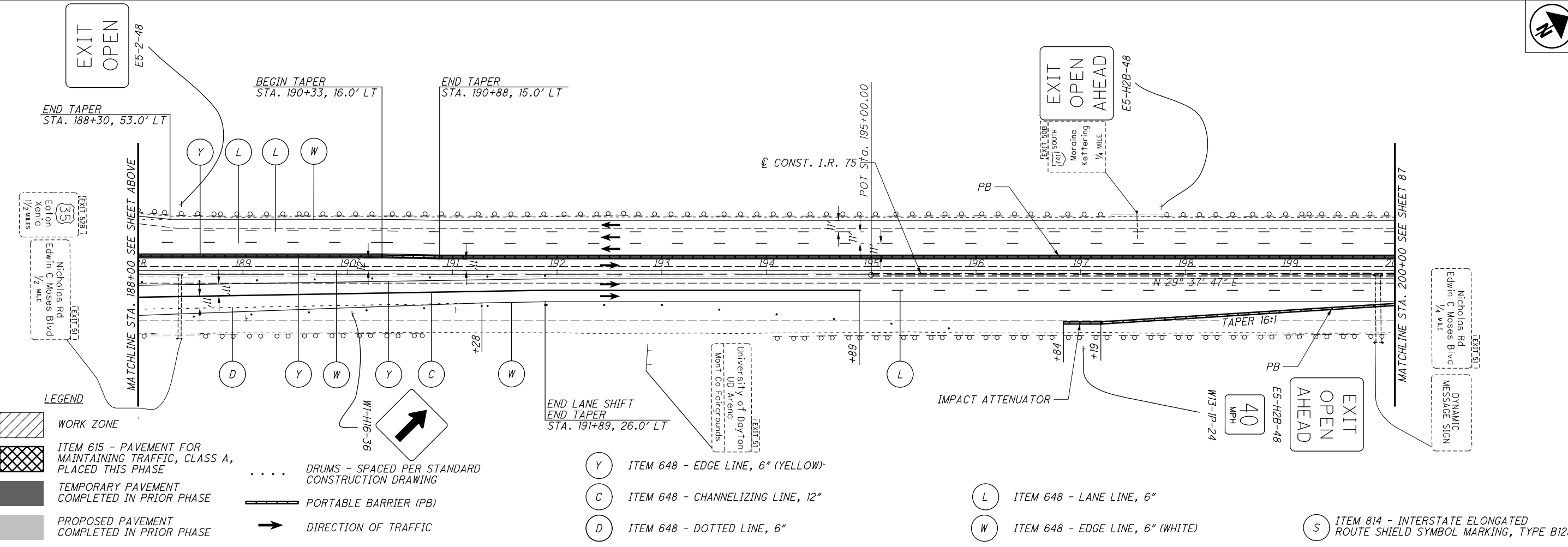
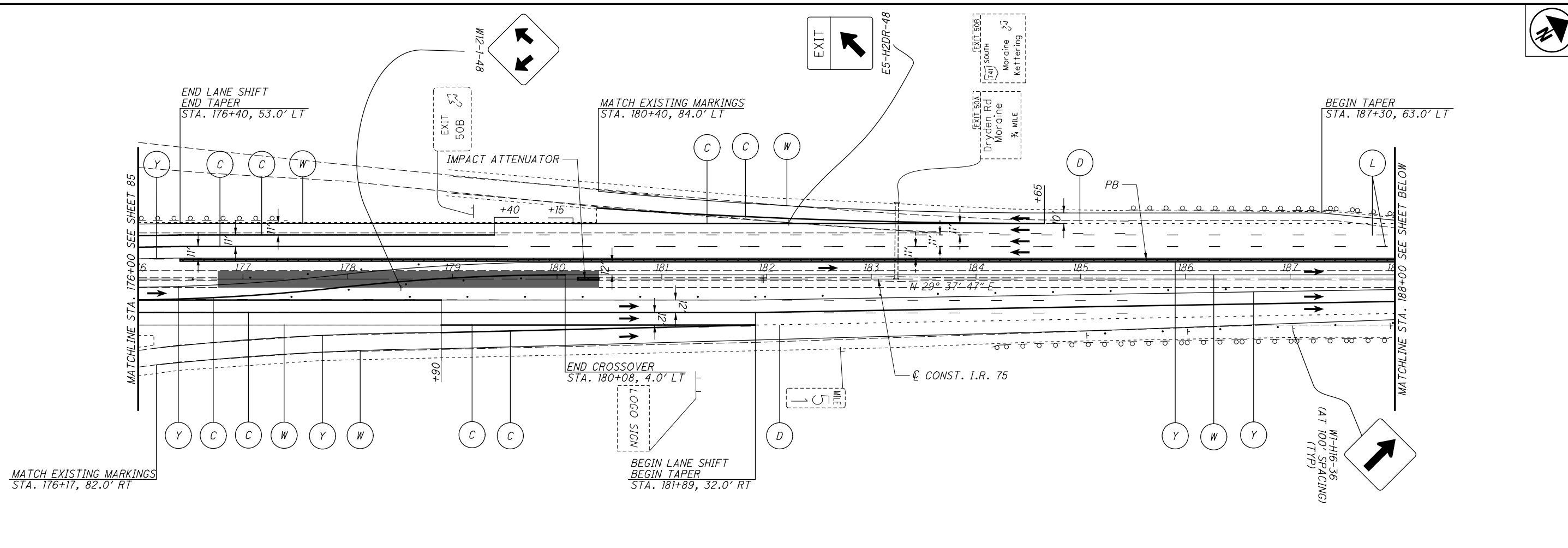
- LEGEND**
- WORK ZONE
 - ITEM 615 - PAVEMENT FOR MAINTAINING TRAFFIC, CLASS A, PLACED THIS PHASE
 - TEMPORARY PAVEMENT COMPLETED IN PRIOR PHASE
 - PROPOSED PAVEMENT COMPLETED IN PRIOR PHASE
 - DRUMS - SPACED PER STANDARD CONSTRUCTION DRAWING
 - PORTABLE BARRIER (PB)
 - DIRECTION OF TRAFFIC
 - ITEM 648 - EDGE LINE, 6" (YELLOW)
 - ITEM 648 - CHANNELIZING LINE, 12"
 - ITEM 648 - DOTTED LINE, 6"
 - ITEM 648 - LANE LINE, 6"
 - ITEM 648 - EDGE LINE, 6" (WHITE)
 - ITEM 814 - INTERSTATE ELONGATED ROUTE SHIELD SYMBOL MARKING, TYPE B125



MAINTENANCE OF TRAFFIC - PHASE 4A
STA. 152+00.00 TO STA. 176+00.00

MOT-75-(10.44)(10.78)

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LEGEND

	WORK ZONE
	ITEM 615 - PAVEMENT FOR MAINTAINING TRAFFIC, CLASS A, PLACED THIS PHASE
	TEMPORARY PAVEMENT COMPLETED IN PRIOR PHASE
	PROPOSED PAVEMENT COMPLETED IN PRIOR PHASE
	DRUMS - SPACED PER STANDARD CONSTRUCTION DRAWING
	PORTABLE BARRIER (PB)
	DIRECTION OF TRAFFIC

- (Y) ITEM 648 - EDGE LINE, 6" (YELLOW)
- (C) ITEM 648 - CHANNELIZING LINE, 12"
- (D) ITEM 648 - DOTTED LINE, 6"
- (L) ITEM 648 - LANE LINE, 6"
- (W) ITEM 648 - EDGE LINE, 6" (WHITE)



MAINTENANCE OF TRAFFIC - PHASE 4A
STA. 176+00.00 TO STA. 200+00.00



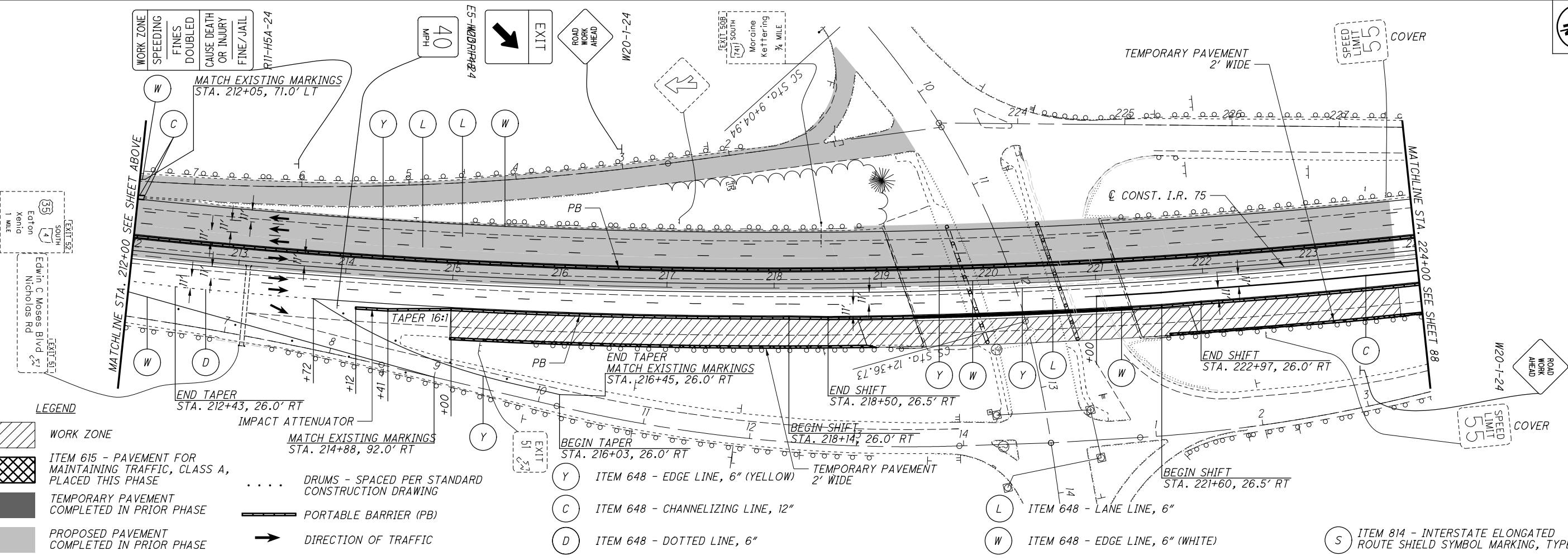
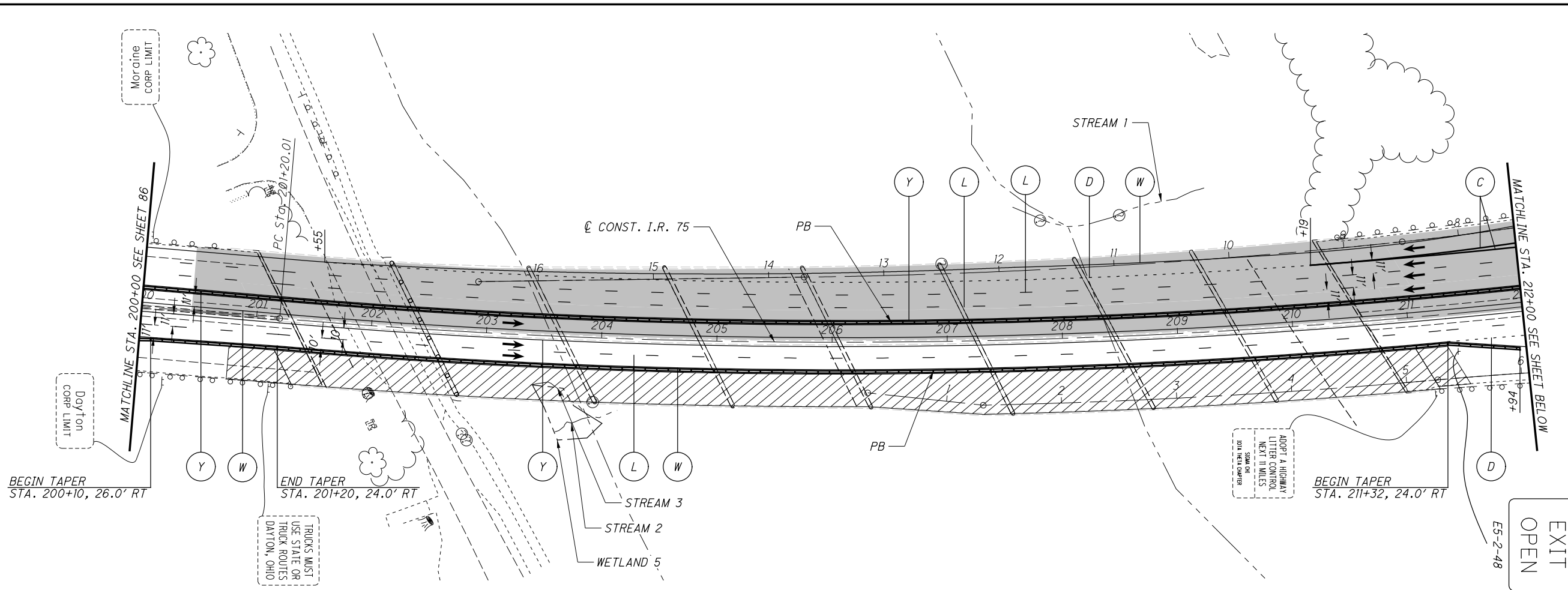


MAINTENANCE OF TRAFFIC - PHASE 4A
STA. 200+00.00 TO STA. 224+00.00



MOT-75-(10.44)(10.78)

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- LEGEND**
- WORK ZONE
 - ITEM 615 - PAVEMENT FOR MAINTAINING TRAFFIC, CLASS A, PLACED THIS PHASE
 - TEMPORARY PAVEMENT COMPLETED IN PRIOR PHASE
 - PROPOSED PAVEMENT COMPLETED IN PRIOR PHASE
 - DRUMS - SPACED PER STANDARD CONSTRUCTION DRAWING
 - PORTABLE BARRIER (PB)
 - DIRECTION OF TRAFFIC
 - ITEM 648 - EDGE LINE, 6" (YELLOW)
 - ITEM 648 - CHANNELIZING LINE, 12"
 - ITEM 648 - DOTTED LINE, 6"
 - ITEM 648 - LANE LINE, 6"
 - ITEM 648 - EDGE LINE, 6" (WHITE)
 - ITEM 814 - INTERSTATE ELONGATED ROUTE SHIELD SYMBOL MARKING, TYPE B125



CALCULATED
KRF
CHECKED
MJC

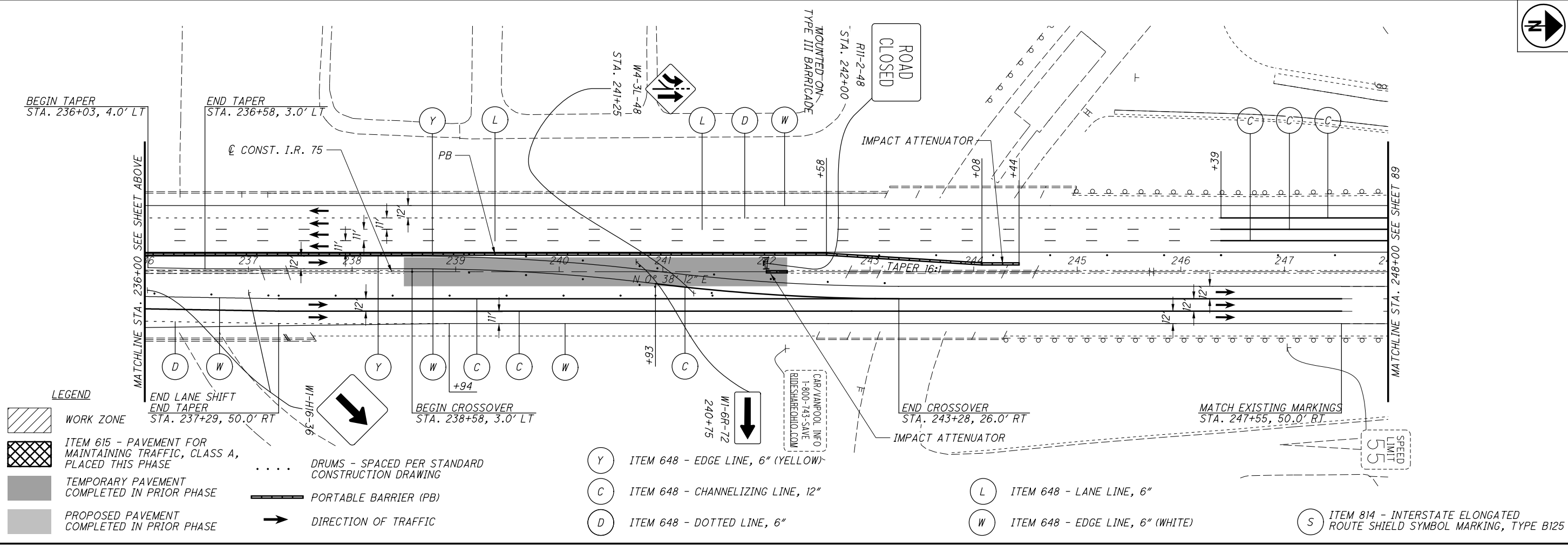
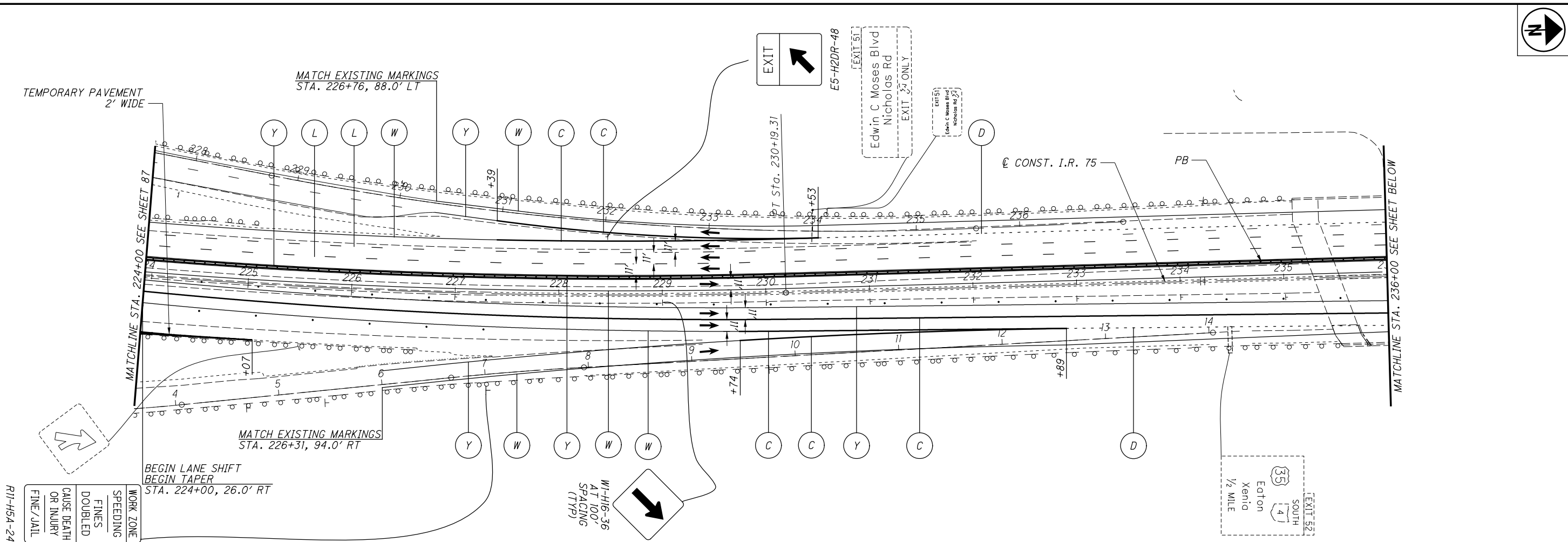
0 50 100
HORIZONTAL
SCALE IN FEET

MAINTENANCE OF TRAFFIC - PHASE 4A
STA. 224+00.00 TO STA. 248+00.00



MOT-75-(10.44)(10.78)

88
348



WORK ZONE
SPEEDING
FINES DOUBLED
CAUSE DEATH OR INJURY
FINE/JAIL

LEGEND

	WORK ZONE		DRUMS - SPACED PER STANDARD CONSTRUCTION DRAWING
	ITEM 615 - PAVEMENT FOR MAINTAINING TRAFFIC, CLASS A, PLACED THIS PHASE		PORTABLE BARRIER (PB)
	TEMPORARY PAVEMENT COMPLETED IN PRIOR PHASE		DIRECTION OF TRAFFIC
	PROPOSED PAVEMENT COMPLETED IN PRIOR PHASE		

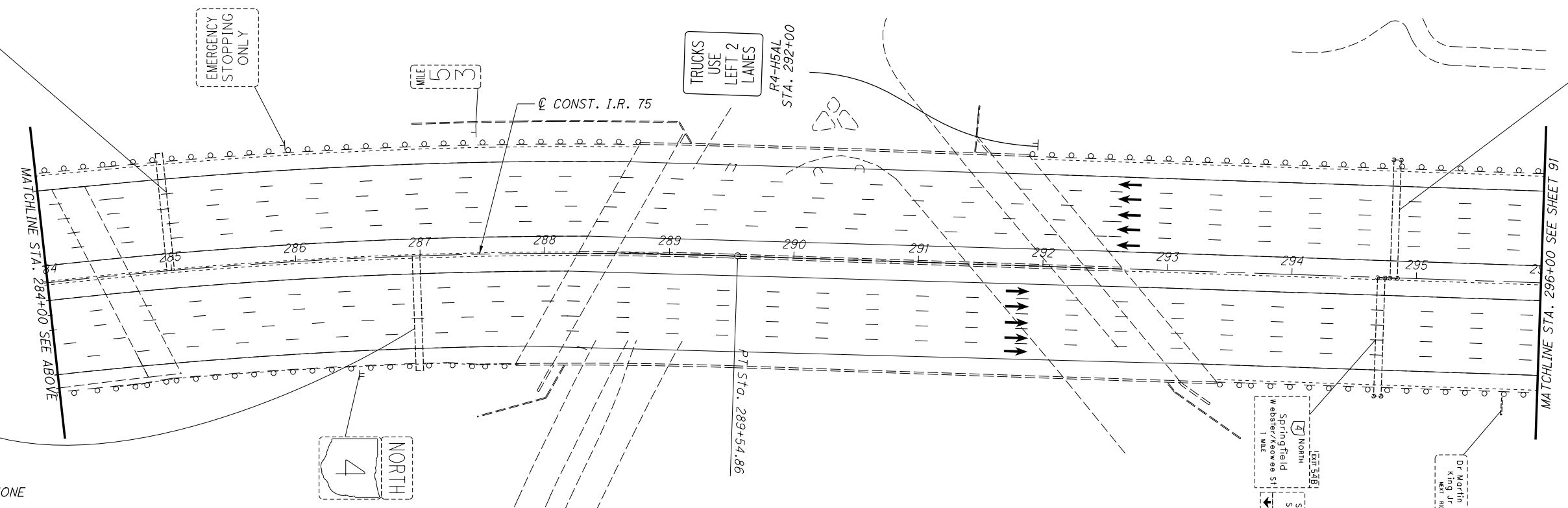
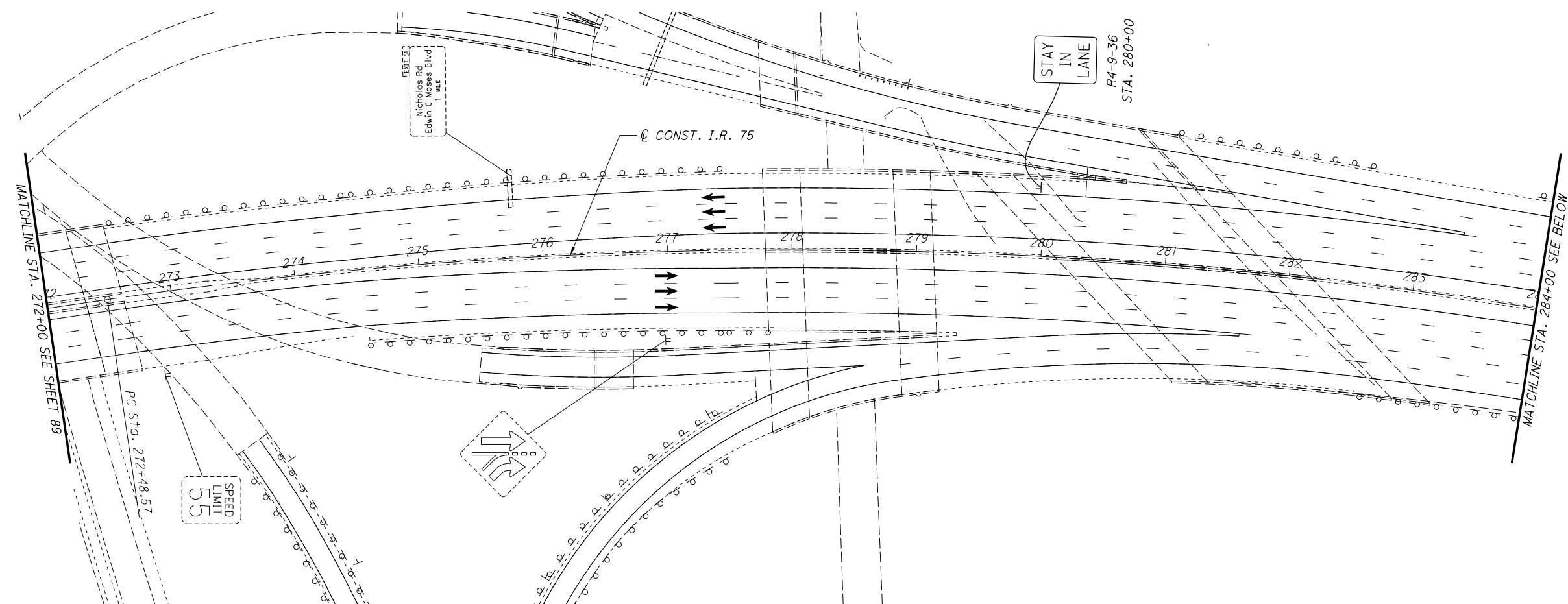
- (Y) ITEM 648 - EDGE LINE, 6" (YELLOW)
- (C) ITEM 648 - CHANNELIZING LINE, 12"
- (D) ITEM 648 - DOTTED LINE, 6"
- (L) ITEM 648 - LANE LINE, 6"
- (W) ITEM 648 - EDGE LINE, 6" (WHITE)
- (S) ITEM 814 - INTERSTATE ELONGATED ROUTE SHIELD SYMBOL MARKING, TYPE B125

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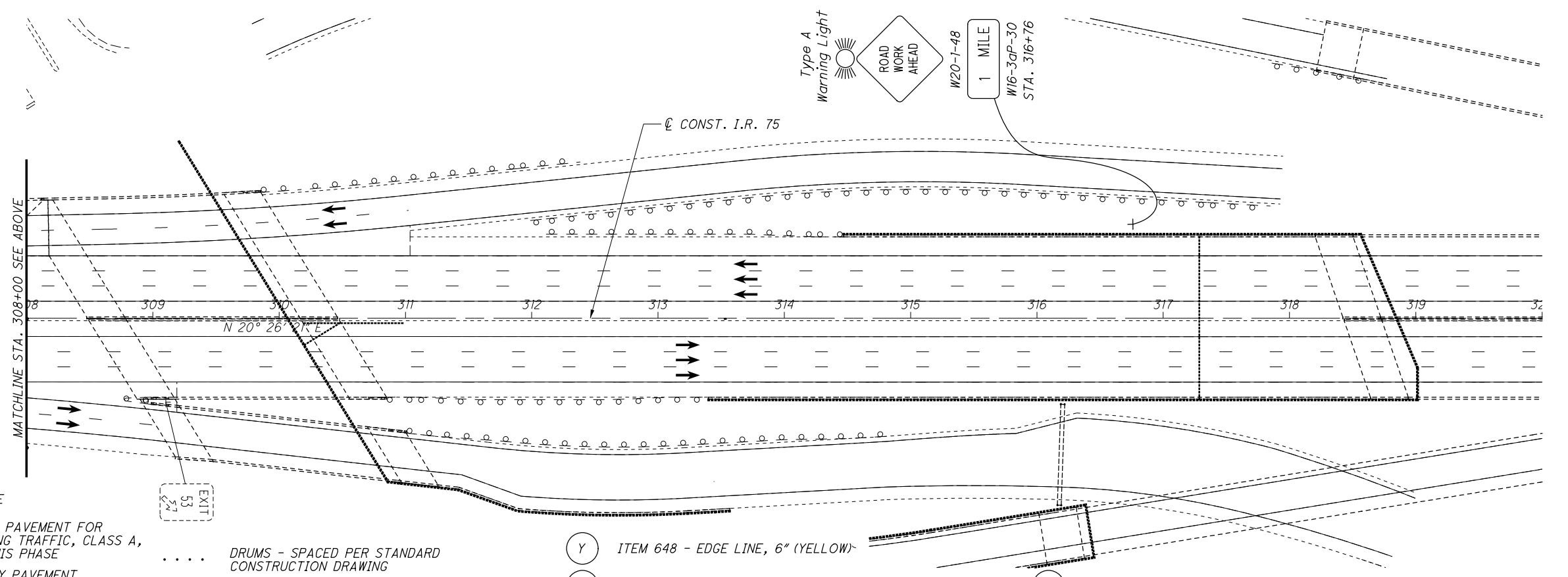
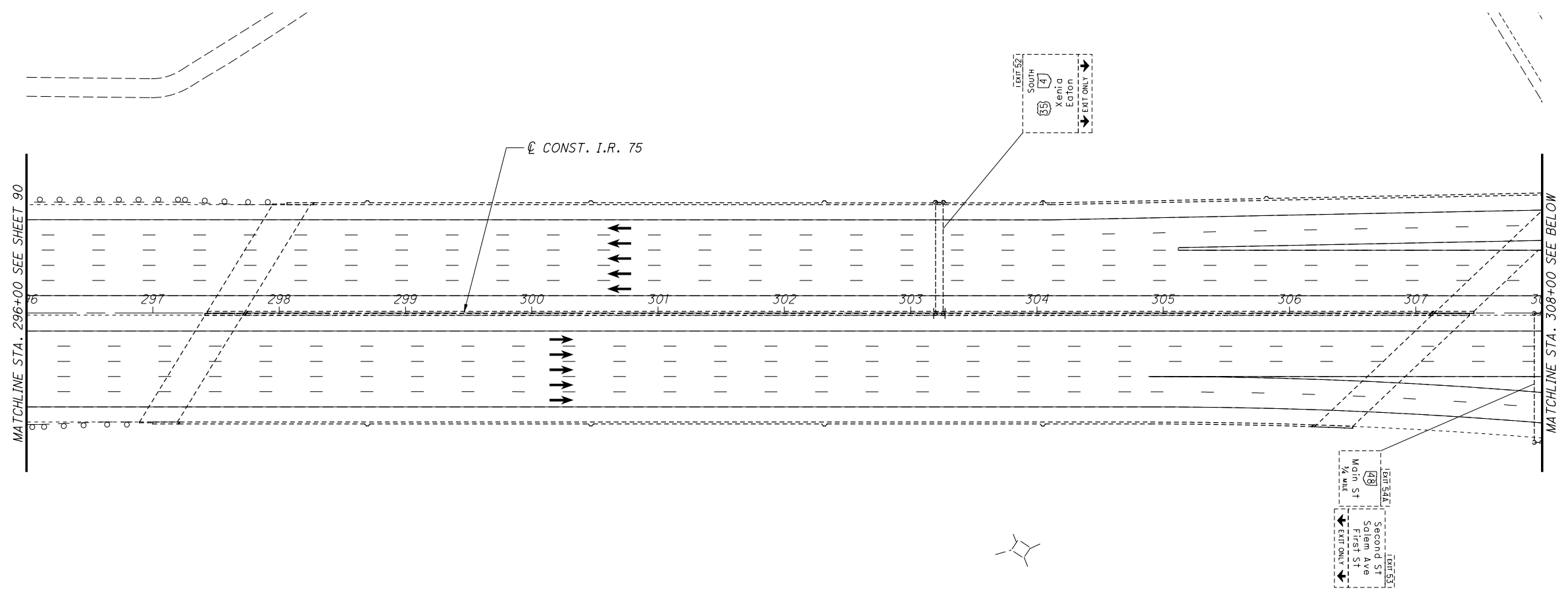
MAINTENANCE OF TRAFFIC - PHASE 4A
STA. 272+00.00 TO STA. 296+00.00

MOT-75-(10.44)(10.78)



- LEGEND**
- WORK ZONE
 - ITEM 615 - PAVEMENT FOR MAINTAINING TRAFFIC, CLASS A, PLACED THIS PHASE
 - TEMPORARY PAVEMENT COMPLETED IN PRIOR PHASE
 - PROPOSED PAVEMENT COMPLETED IN PRIOR PHASE
 - DRUMS - SPACED PER STANDARD CONSTRUCTION DRAWING
 - PORTABLE BARRIER (PB)
 - DIRECTION OF TRAFFIC
 - ITEM 648 - EDGE LINE, 6" (YELLOW)
 - ITEM 648 - CHANNELIZING LINE, 12"
 - ITEM 648 - DOTTED LINE, 6"
 - ITEM 648 - LANE LINE, 6"
 - ITEM 648 - EDGE LINE, 6" (WHITE)
 - ITEM 814 - INTERSTATE ELONGATED ROUTE SHIELD SYMBOL MARKING, TYPE B125

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- LEGEND**
- WORK ZONE
 - ITEM 615 - PAVEMENT FOR MAINTAINING TRAFFIC, CLASS A, PLACED THIS PHASE
 - TEMPORARY PAVEMENT COMPLETED IN PRIOR PHASE
 - PROPOSED PAVEMENT COMPLETED IN PRIOR PHASE
 - DRUMS - SPACED PER STANDARD CONSTRUCTION DRAWING
 - PORTABLE BARRIER (PB)
 - DIRECTION OF TRAFFIC
 - ITEM 648 - EDGE LINE, 6" (YELLOW)
 - ITEM 648 - CHANNELIZING LINE, 12"
 - ITEM 648 - DOTTED LINE, 6"
 - ITEM 648 - LANE LINE, 6"
 - ITEM 648 - EDGE LINE, 6" (WHITE)
 - ITEM 814 - INTERSTATE ELONGATED ROUTE SHIELD SYMBOL MARKING, TYPE B125



CALCULATED KRF
CHECKED MJC

HORIZONTAL SCALE IN FEET

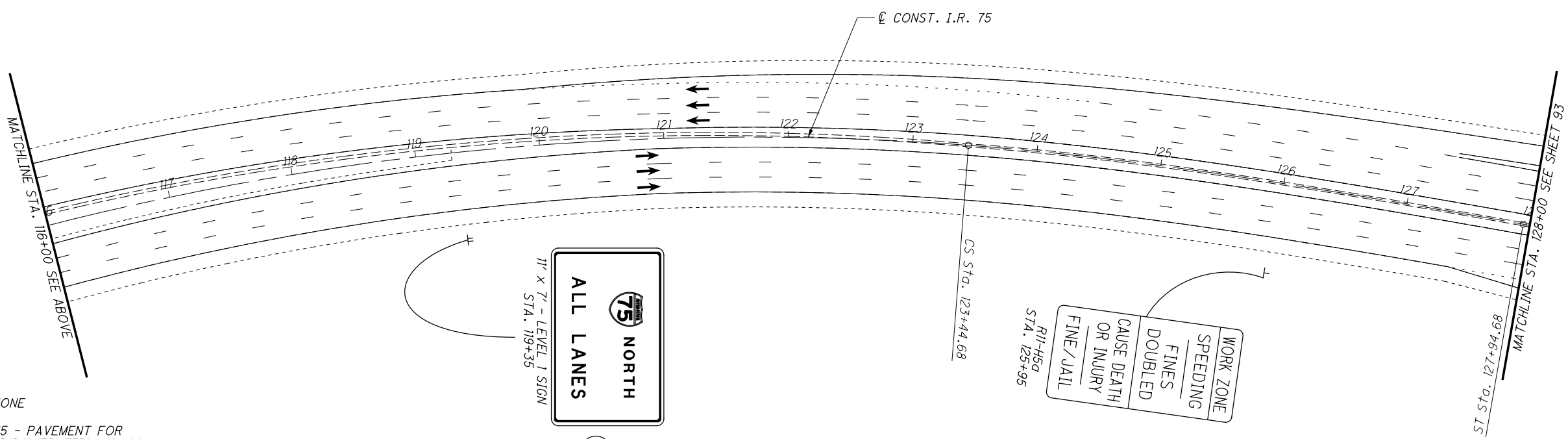
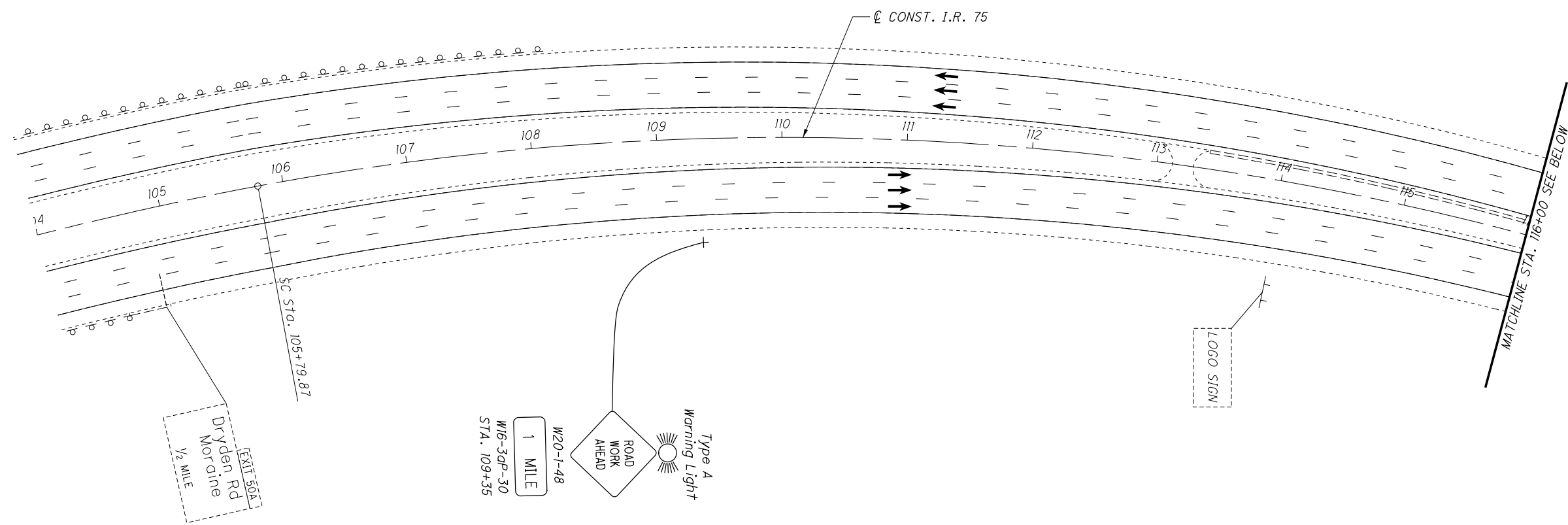
MAINTENANCE OF TRAFFIC - PHASE 4A
STA. 296+00.00 TO STA. 320+00.00

MOT-75-(10.44)(10.78)



MAINTENANCE OF TRAFFIC - PHASE 4B
STA. 104+00.00 TO STA. 128+00.00

MOT-75-(10.44)(10.78)



LEGEND

	WORK ZONE
	ITEM 615 - PAVEMENT FOR MAINTAINING TRAFFIC, CLASS A, PLACED THIS PHASE
	TEMPORARY PAVEMENT COMPLETED IN PRIOR PHASE
	PROPOSED PAVEMENT COMPLETED IN PRIOR PHASE
	DRUMS - SPACED PER STANDARD CONSTRUCTION DRAWING
	PORTABLE BARRIER (PB)
	DIRECTION OF TRAFFIC

- (Y) ITEM 648 - EDGE LINE, 6" (YELLOW)
- (C) ITEM 648 - CHANNELIZING LINE, 12"
- (D) ITEM 648 - DOTTED LINE, 6"

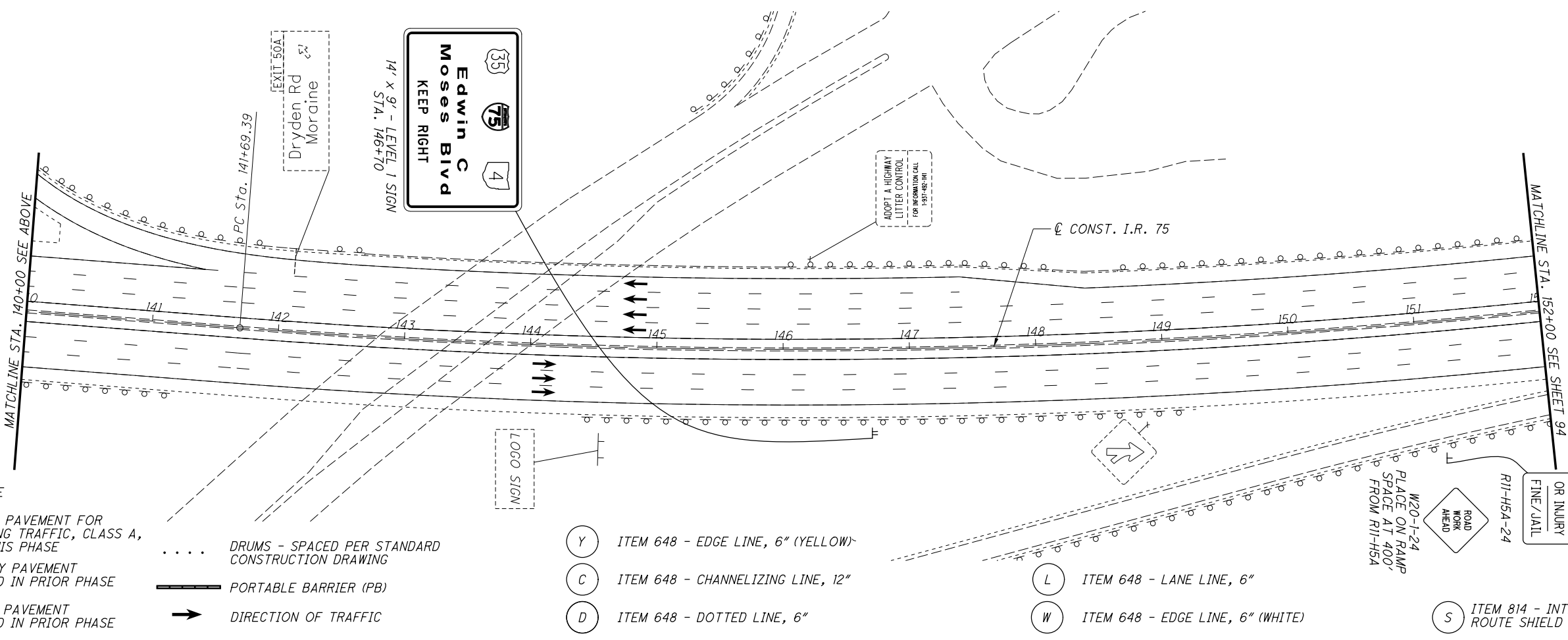
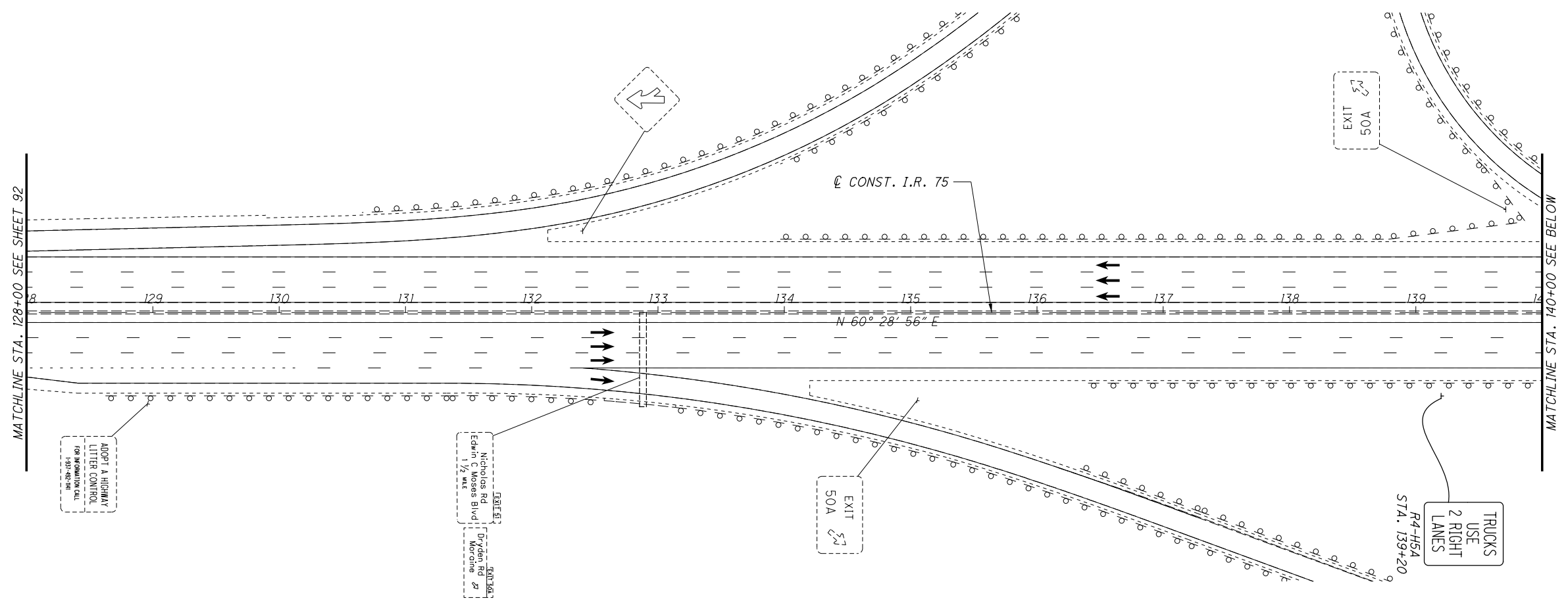
- (L) ITEM 648 - LANE LINE, 6"
- (W) ITEM 648 - EDGE LINE, 6" (WHITE)

(S) ITEM 814 - INTERSTATE ELONGATED ROUTE SHIELD SYMBOL MARKING, TYPE B125



MAINTENANCE OF TRAFFIC - PHASE 4B
STA. 128+00.00 TO STA. 152+00.00

MOT-75-(10.44)(10.78)



LEGEND

	WORK ZONE
	ITEM 615 - PAVEMENT FOR MAINTAINING TRAFFIC, CLASS A, PLACED THIS PHASE
	TEMPORARY PAVEMENT COMPLETED IN PRIOR PHASE
	PROPOSED PAVEMENT COMPLETED IN PRIOR PHASE

- DRUMS - SPACED PER STANDARD CONSTRUCTION DRAWING
- PORTABLE BARRIER (PB)
- DIRECTION OF TRAFFIC

- (Y) ITEM 648 - EDGE LINE, 6" (YELLOW)
- (C) ITEM 648 - CHANNELIZING LINE, 12"
- (D) ITEM 648 - DOTTED LINE, 6"

- (L) ITEM 648 - LANE LINE, 6"
- (W) ITEM 648 - EDGE LINE, 6" (WHITE)

- (S) ITEM 814 - INTERSTATE ELONGATED ROUTE SHIELD SYMBOL MARKING, TYPE B125

Edwin C Moses Blvd
KEEP RIGHT
 14' x 9' - LEVEL 1 SIGN
 STA. 146+70

ADOPT A HIGHWAY LITTER CONTROL FOR INFORMATION CALL 1-801-462-3411

Nicholas Rd
 Edwin Rd
 Dryden Rd
 Moraine

EXIT 50A

EXIT 50A

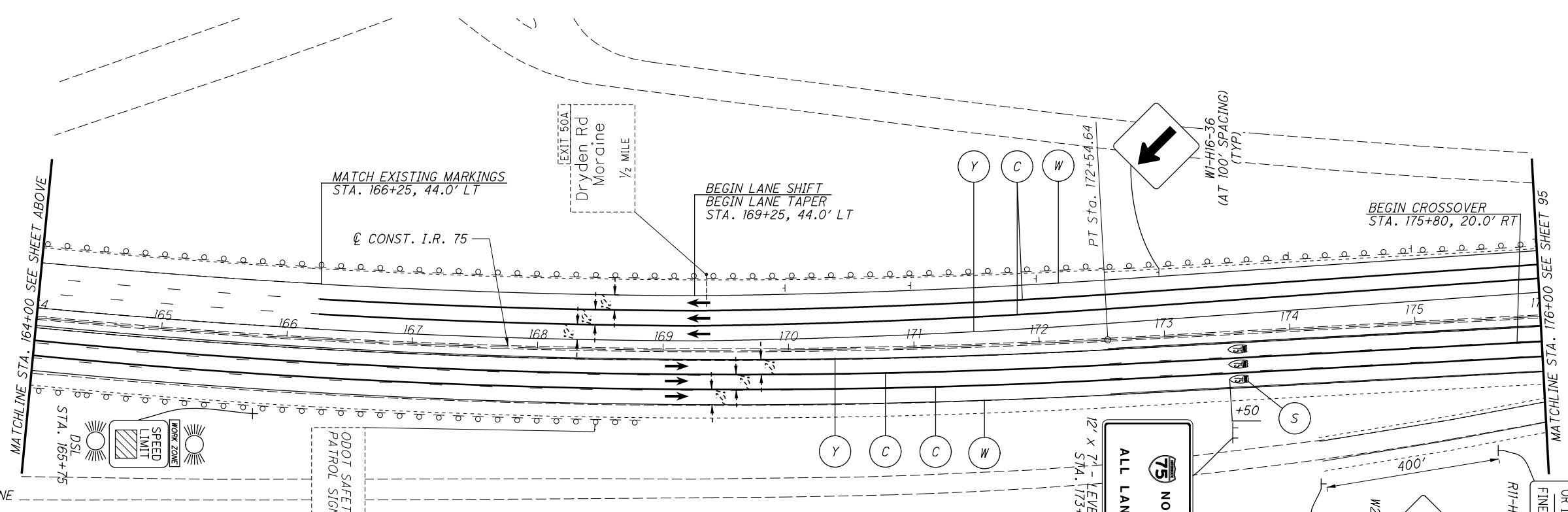
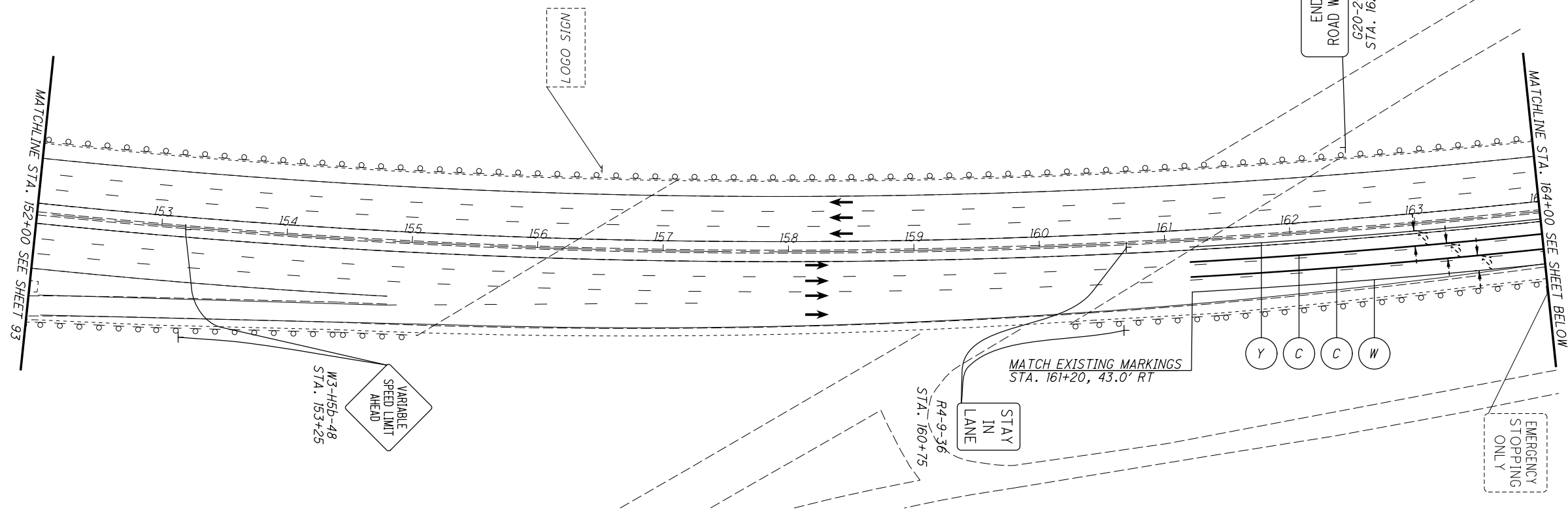
TRUCKS USE 2 RIGHT LANES
 STA. 139+20

LOGO SIGN

ADOPT A HIGHWAY LITTER CONTROL FOR INFORMATION CALL 1-801-462-3411

W20-1-24
 PLACE ON RAMP SPACE AT 400' FROM R11-H54

R1-H54-24
 FINE/JAIL
 CAUSE DEATH OR INJURY



LEGEND

	WORK ZONE		DRUMS - SPACED PER STANDARD CONSTRUCTION DRAWING		ITEM 648 - EDGE LINE, 6" (YELLOW)		ITEM 648 - LANE LINE, 6"
	ITEM 615 - PAVEMENT FOR MAINTAINING TRAFFIC, CLASS A, PLACED THIS PHASE		PORTABLE BARRIER (PB)		ITEM 648 - CHANNELIZING LINE, 12"		ITEM 648 - EDGE LINE, 6" (WHITE)
	TEMPORARY PAVEMENT COMPLETED IN PRIOR PHASE		DIRECTION OF TRAFFIC		ITEM 648 - DOTTED LINE, 6"		WORK ZONE
	PROPOSED PAVEMENT COMPLETED IN PRIOR PHASE						SPEEDING
							FINES DOUBLED
							CAUSE DEATH OR INJURY
							FINE/JAIL
							ITEM 814 - INTERSTATE ELONGATED ROUTE SHIELD SYMBOL MARKING, TYPE B125



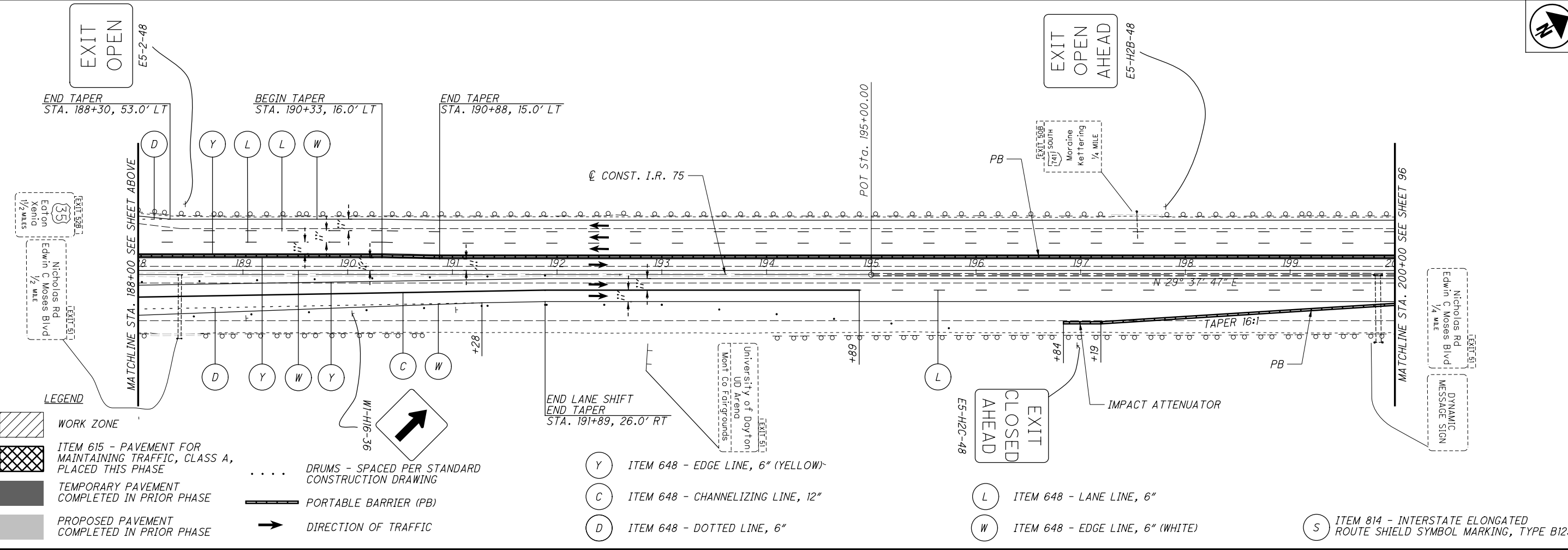
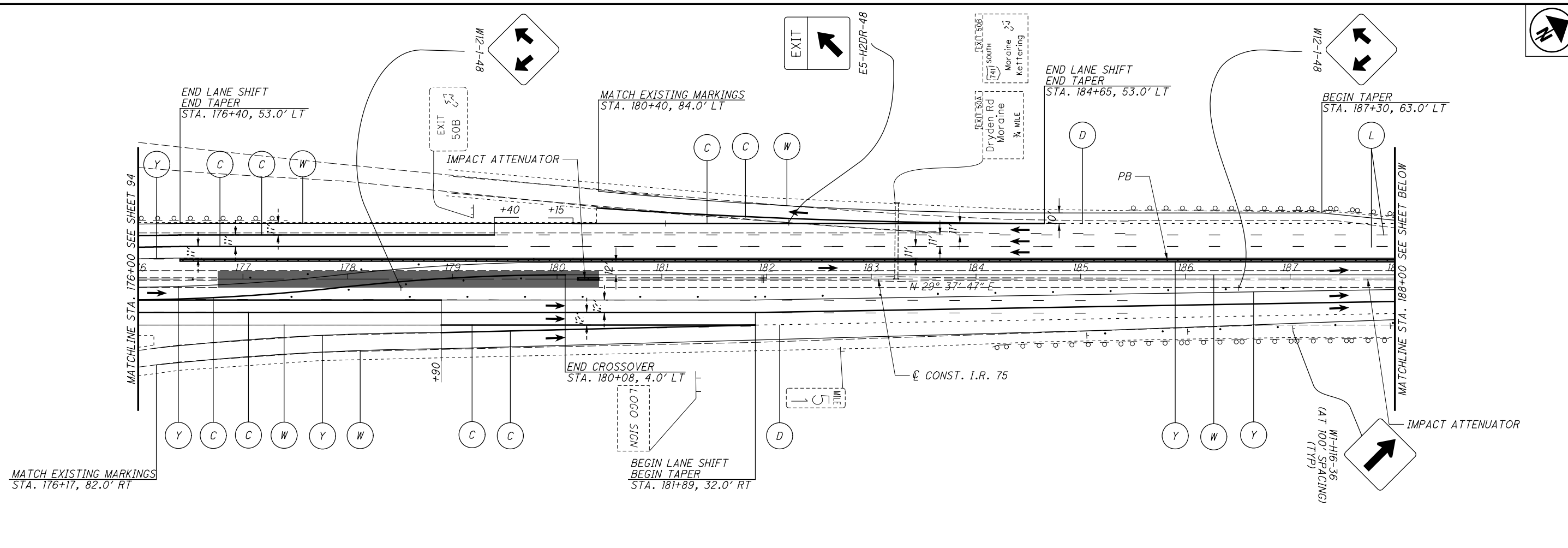
CALCULATED
KRF
CHECKED
MJC

0 25 50 100
HORIZONTAL SCALE IN FEET

MAINTENANCE OF TRAFFIC - PHASE 4B
STA. 152+00.00 TO STA. 176+00.00

MOT-75-(10.44)(10.78)

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- LEGEND**
- WORK ZONE
 - ITEM 615 - PAVEMENT FOR MAINTAINING TRAFFIC, CLASS A, PLACED THIS PHASE
 - TEMPORARY PAVEMENT COMPLETED IN PRIOR PHASE
 - PROPOSED PAVEMENT COMPLETED IN PRIOR PHASE
 - DRUMS - SPACED PER STANDARD CONSTRUCTION DRAWING
 - PORTABLE BARRIER (PB)
 - DIRECTION OF TRAFFIC

- (Y) ITEM 648 - EDGE LINE, 6" (YELLOW)
- (C) ITEM 648 - CHANNELIZING LINE, 12"
- (D) ITEM 648 - DOTTED LINE, 6"
- (L) ITEM 648 - LANE LINE, 6"
- (W) ITEM 648 - EDGE LINE, 6" (WHITE)
- (S) ITEM 814 - INTERSTATE ELONGATED ROUTE SHIELD SYMBOL MARKING, TYPE B125

CALCULATED KRF CHECKED MJC
MAINTENANCE OF TRAFFIC - PHASE 4B
STA. 176+00.00 TO STA. 200+00.00
MOT-75-(10.44)(10.78)
 95
 348

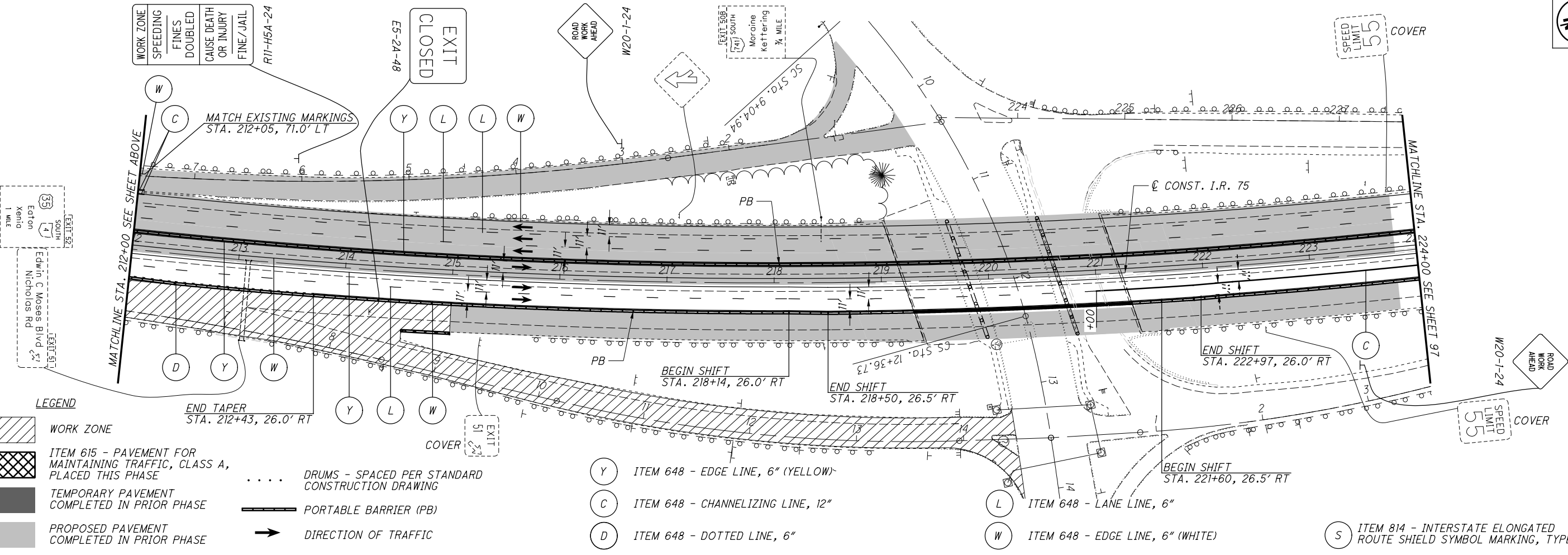
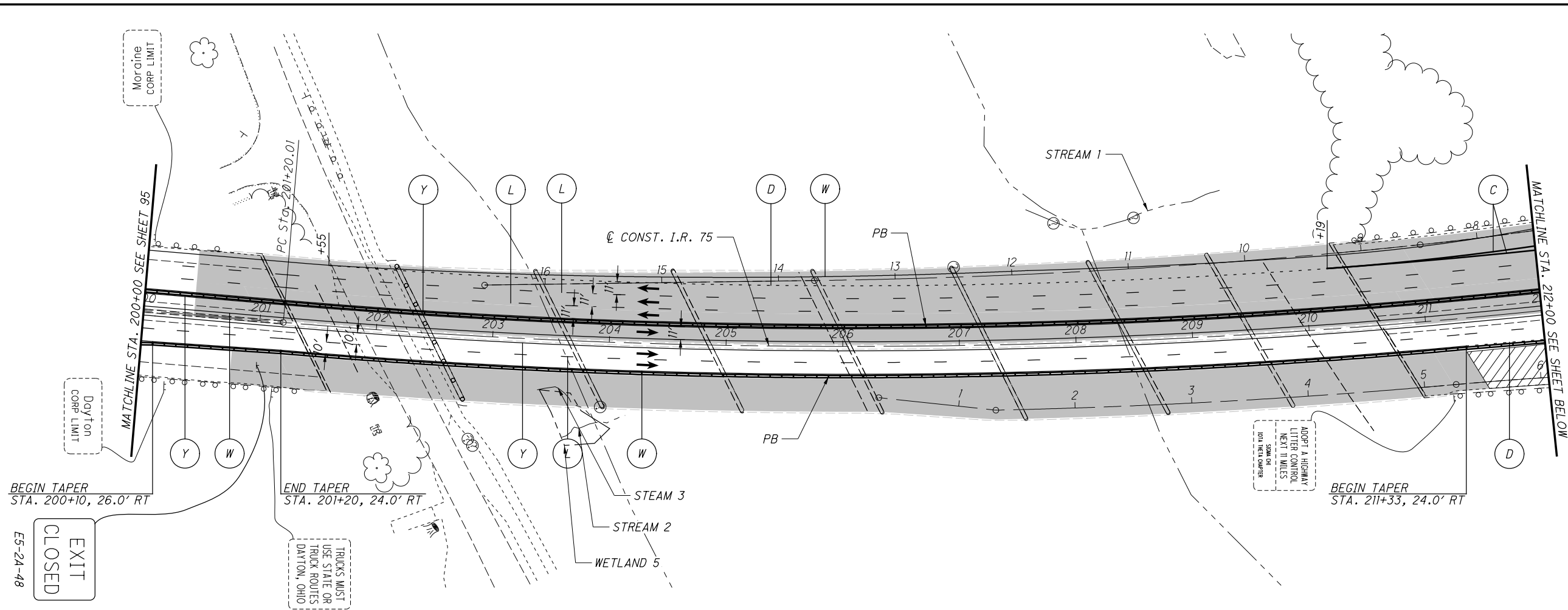


MAINTENANCE OF TRAFFIC - PHASE 4B
STA. 200+00.00 TO STA. 224+00.00



MOT-75-(10.44)(10.78)

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LEGEND

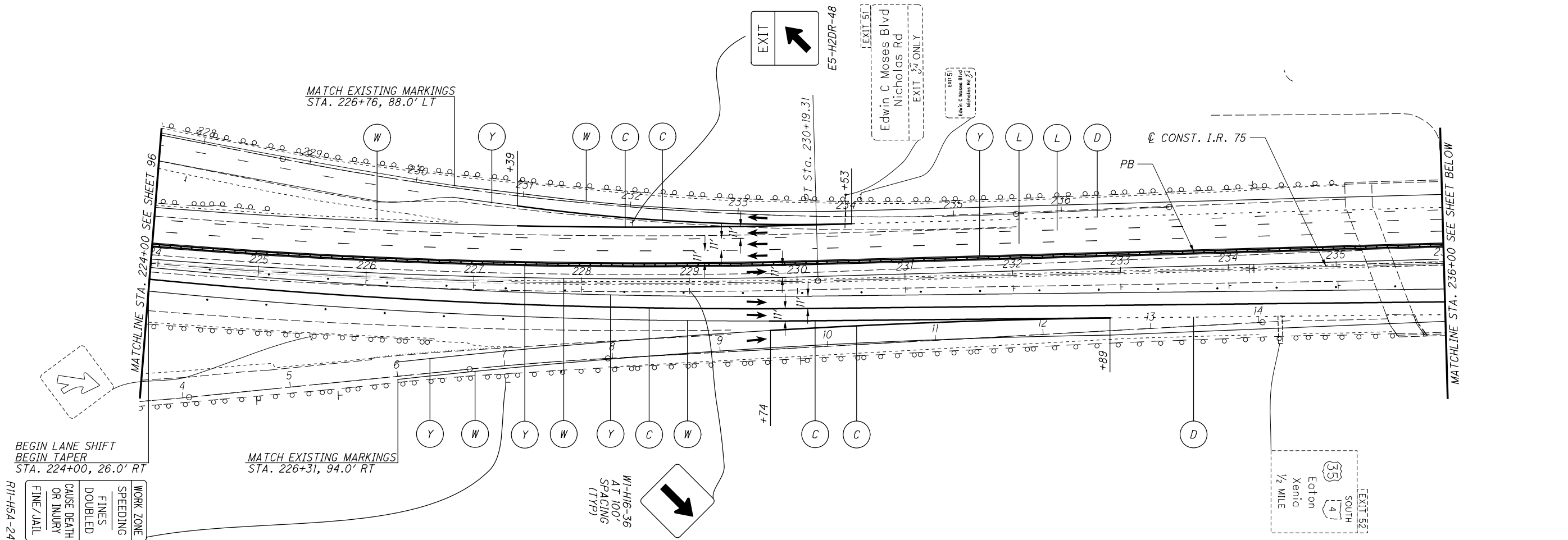
- WORK ZONE
- ITEM 615 - PAVEMENT FOR MAINTAINING TRAFFIC, CLASS A, PLACED THIS PHASE
- TEMPORARY PAVEMENT COMPLETED IN PRIOR PHASE
- PROPOSED PAVEMENT COMPLETED IN PRIOR PHASE
- DRUMS - SPACED PER STANDARD CONSTRUCTION DRAWING
- PORTABLE BARRIER (PB)
- DIRECTION OF TRAFFIC
- ITEM 648 - EDGE LINE, 6" (YELLOW)
- ITEM 648 - CHANNELIZING LINE, 12"
- ITEM 648 - DOTTED LINE, 6"
- ITEM 648 - LANE LINE, 6"
- ITEM 648 - EDGE LINE, 6" (WHITE)
- ITEM 814 - INTERSTATE ELONGATED ROUTE SHIELD SYMBOL MARKING, TYPE B125



MAINTENANCE OF TRAFFIC - PHASE 4B
STA. 224+00.00 TO STA. 248+00.00



MOT-75-(10.44)(10.78)



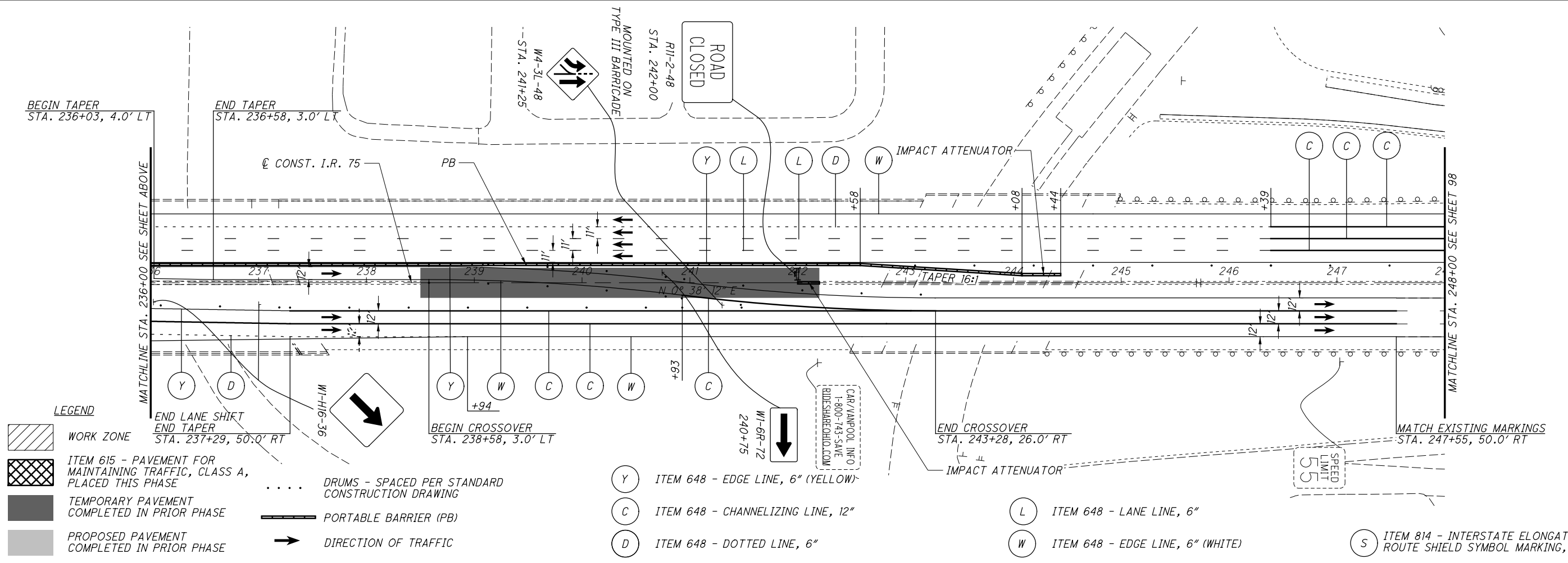
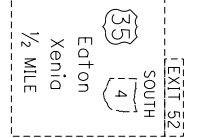
BEGIN LANE SHIFT
BEGIN TAPER
STA. 224+00, 26.0' RT

WORK ZONE
SPEEDING
FINES
DOUBLED
CAUSE DEATH
OR INJURY
FINE/JAIL

R11-H54-24

MATCH EXISTING MARKINGS
STA. 226+31, 94.0' RT

W1-H16-36
AT 100'
SPACING
(TYP)



BEGIN TAPER
STA. 236+03, 4.0' LT

END TAPER
STA. 236+58, 3.0' LT

ROAD CLOSED
R11-2-48
STA. 242+00

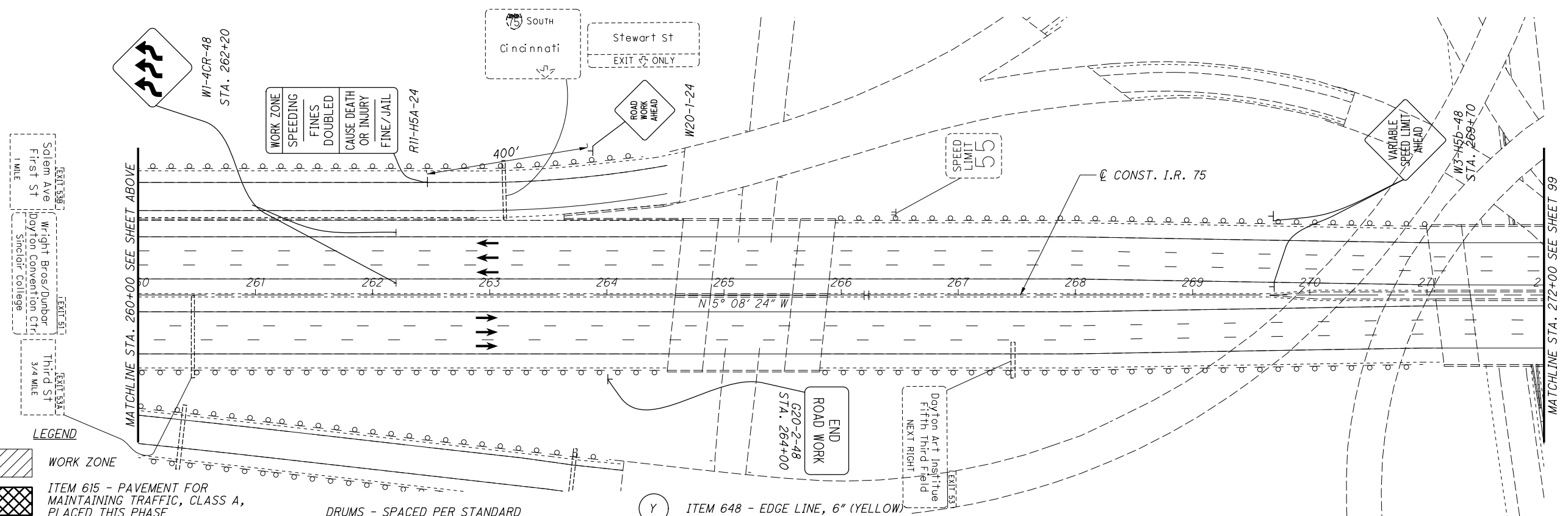
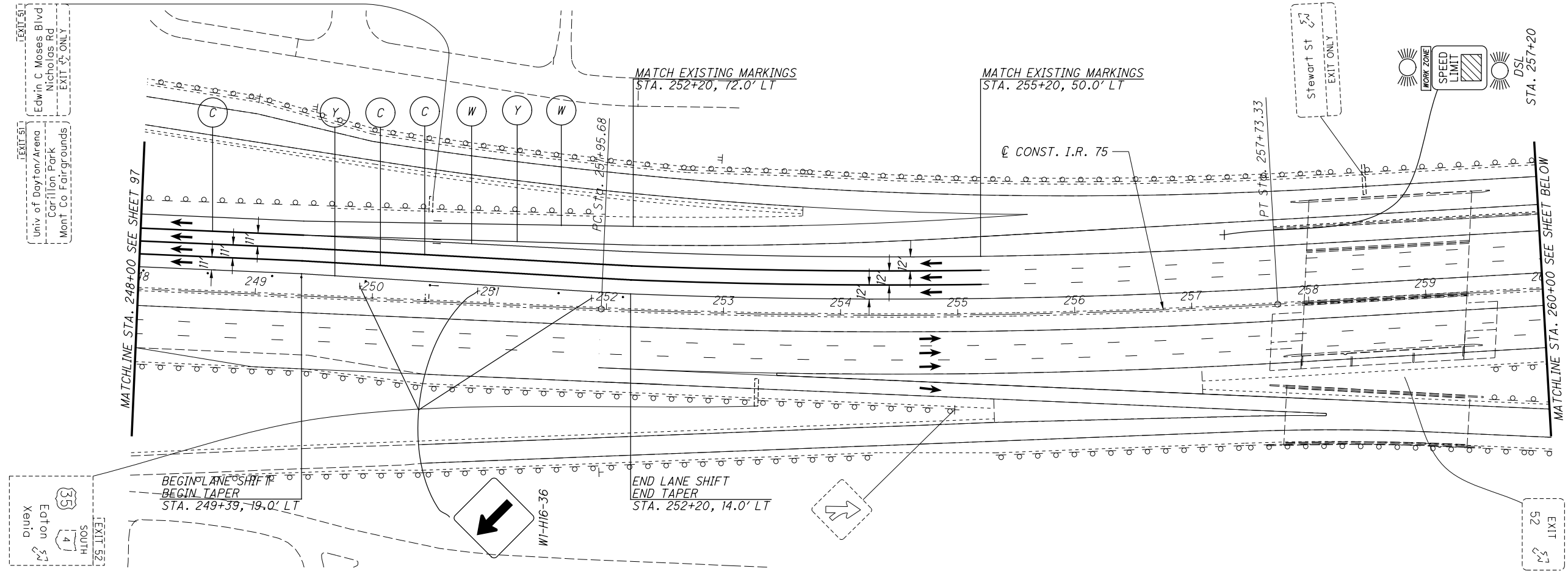
BEGIN CROSSOVER
STA. 238+58, 3.0' LT

END CROSSOVER
STA. 243+28, 26.0' RT

MATCH EXISTING MARKINGS
STA. 247+55, 50.0' RT

- LEGEND**
- WORK ZONE
 - ITEM 615 - PAVEMENT FOR MAINTAINING TRAFFIC, CLASS A, PLACED THIS PHASE
 - TEMPORARY PAVEMENT COMPLETED IN PRIOR PHASE
 - PROPOSED PAVEMENT COMPLETED IN PRIOR PHASE
 - DRUMS - SPACED PER STANDARD CONSTRUCTION DRAWING
 - PORTABLE BARRIER (PB)
 - DIRECTION OF TRAFFIC
 - ITEM 648 - EDGE LINE, 6" (YELLOW)
 - ITEM 648 - CHANNELIZING LINE, 12"
 - ITEM 648 - DOTTED LINE, 6"
 - ITEM 648 - LANE LINE, 6"
 - ITEM 648 - EDGE LINE, 6" (WHITE)
 - ITEM 814 - INTERSTATE ELONGATED ROUTE SHIELD SYMBOL MARKING, TYPE B125

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LEGEND

	WORK ZONE		DRUMS - SPACED PER STANDARD CONSTRUCTION DRAWING		ITEM 648 - EDGE LINE, 6" (YELLOW)		ITEM 648 - LANE LINE, 6"
	ITEM 615 - PAVEMENT FOR MAINTAINING TRAFFIC, CLASS A, PLACED THIS PHASE		PORTABLE BARRIER (PB)		ITEM 648 - CHANNELIZING LINE, 12"		ITEM 648 - EDGE LINE, 6" (WHITE)
	TEMPORARY PAVEMENT COMPLETED IN PRIOR PHASE		DIRECTION OF TRAFFIC		ITEM 648 - DOTTED LINE, 6"		ITEM 814 - INTERSTATE ELONGATED ROUTE SHIELD SYMBOL MARKING, TYPE B125
	PROPOSED PAVEMENT COMPLETED IN PRIOR PHASE						



CALCULATED
KRF
CHECKED
M/JC

0 25 50 100
HORIZONTAL SCALE IN FEET

MAINTENANCE OF TRAFFIC - PHASE 4B
STA. 248+00.00 TO STA. 272+00.00

MOT-75-(10.44)(10.78)

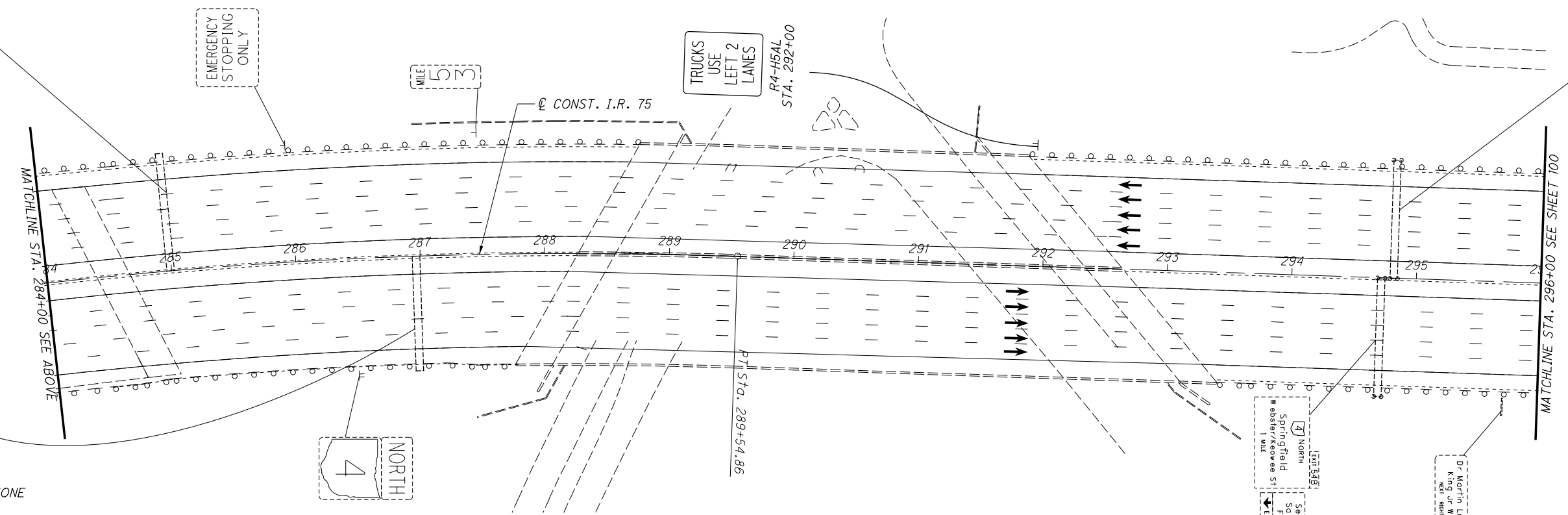
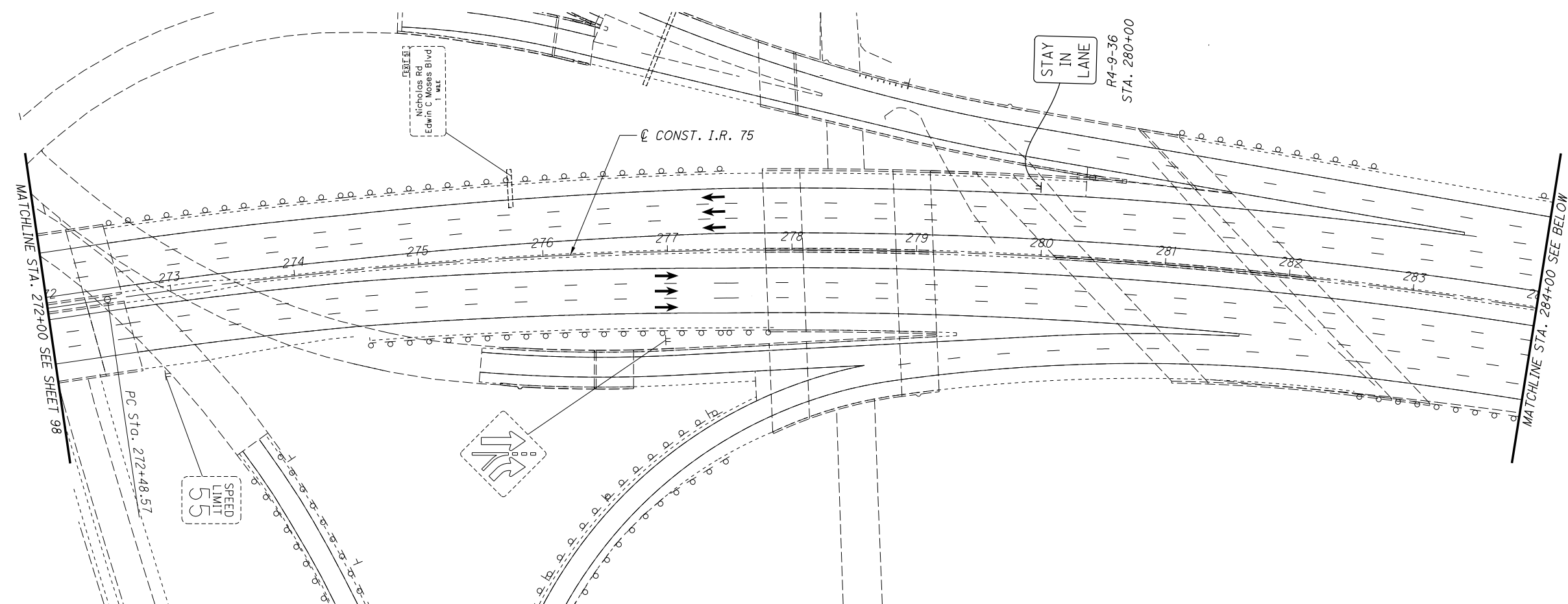


0	50	100
HORIZONTAL SCALE IN FEET		
CALCULATED	KRF	CHECKED
		MJC

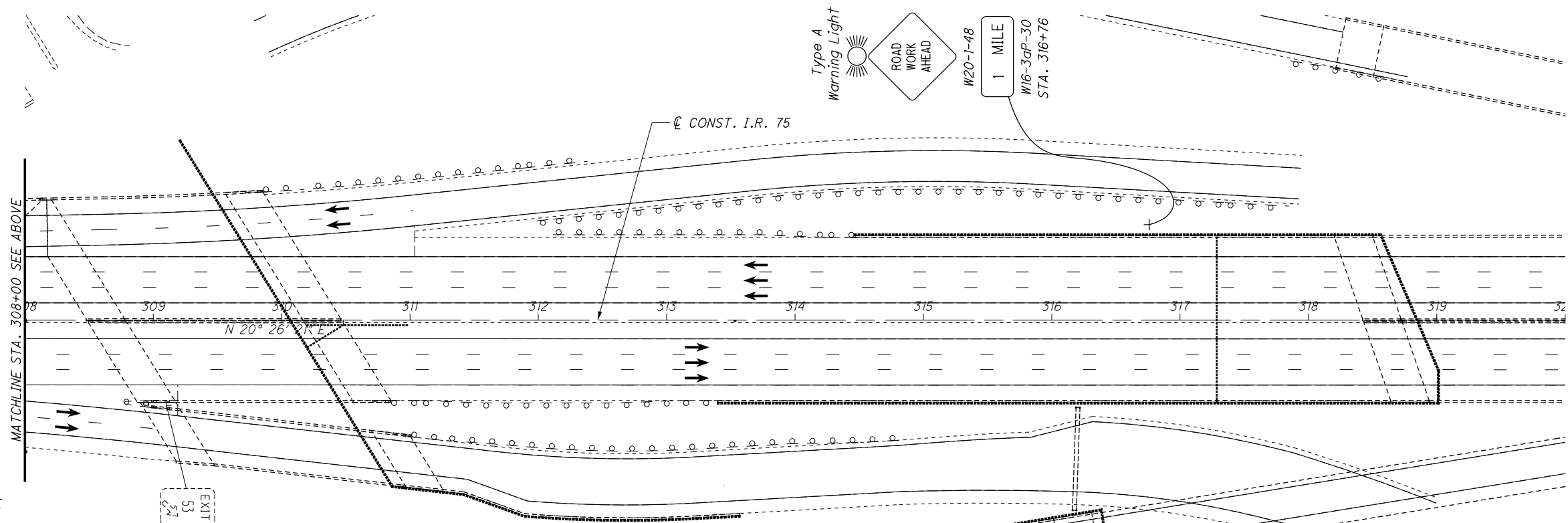
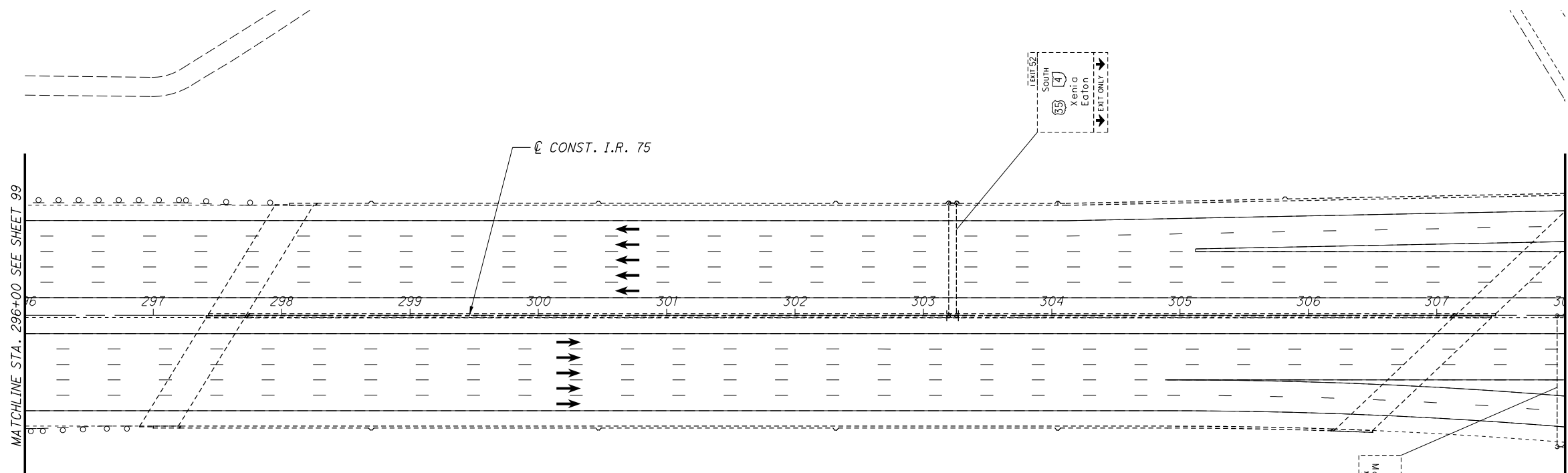
MAINTENANCE OF TRAFFIC - PHASE 4B
STA. 272+00.00 TO STA. 296+00.00
















MOT-75-(10.44)(10.78)



- LEGEND**
- WORK ZONE
 - ITEM 615 - PAVEMENT FOR MAINTAINING TRAFFIC, CLASS A, PLACED THIS PHASE
 - TEMPORARY PAVEMENT COMPLETED IN PRIOR PHASE
 - PROPOSED PAVEMENT COMPLETED IN PRIOR PHASE
 - DRUMS - SPACED PER STANDARD CONSTRUCTION DRAWING
 - PORTABLE BARRIER (PB)
 - DIRECTION OF TRAFFIC
 - ITEM 648 - EDGE LINE, 6" (YELLOW)
 - ITEM 648 - CHANNELIZING LINE, 12"
 - ITEM 648 - DOTTED LINE, 6"
 - ITEM 648 - LANE LINE, 6"
 - ITEM 648 - EDGE LINE, 6" (WHITE)
 - ITEM 814 - INTERSTATE ELONGATED ROUTE SHIELD SYMBOL MARKING, TYPE B125



- LEGEND**
-  WORK ZONE
 -  ITEM 615 - PAVEMENT FOR MAINTAINING TRAFFIC, CLASS A, PLACED THIS PHASE
 -  TEMPORARY PAVEMENT COMPLETED IN PRIOR PHASE
 -  PROPOSED PAVEMENT COMPLETED IN PRIOR PHASE
 -  DRUMS - SPACED PER STANDARD CONSTRUCTION DRAWING
 -  PORTABLE BARRIER (PB)
 -  DIRECTION OF TRAFFIC
 -  ITEM 648 - EDGE LINE, 6" (YELLOW)
 -  ITEM 648 - CHANNELIZING LINE, 12"
 -  ITEM 648 - DOTTED LINE, 6"
 -  ITEM 648 - LANE LINE, 6"
 -  ITEM 648 - EDGE LINE, 6" (WHITE)
 -  ITEM 814 - INTERSTATE ELONGATED ROUTE SHIELD SYMBOL MARKING, TYPE B125



MAINTENANCE OF TRAFFIC - PHASE 4B
STA. 296+00.00 TO STA. 320+00.00

MOT-75-(10.44)(10.78)

100
348

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SHEET NO.	STATION		DIRECTION	614						615	622			648				814	
	FROM	TO		WORK ZONE IMPACT ATTENUATOR, (BIDIRECTIONAL)	WORK ZONE LANE LINE, CLASS 1, 6", 642 PAINT	WORK ZONE EDGE LINE, WHITE, CLASS 1, 6", 642 PAINT	WORK ZONE EDGE LINE, YELLOW, CLASS 1, 6", 642 PAINT	WORK ZONE CHANNELIZING LINE, CLASS 1, 12", 642 PAINT	WORK ZONE DOTTED LINE, CLASS 1, 6", 642 PAINT	PAVEMENT FOR MAINTAINING TRAFFIC, CLASS A	PORTABLE BARRIER, 50', AS PER PLAN	PORTABLE BARRIER, ANCHORED	PORTABLE BARRIER, Y-CONNECTOR	LANE LINE, 6"	EDGE LINE, 6" (WHITE)	EDGE LINE, 6" (YELLOW)	CHANNELIZING LINE, 12"	DOTTED LINE, 6"	INTERSTATE ELONGATED ROUTE SHIELD SYMBOL MARKING, TYPE B125
			EA	FT	FT	FT	FT	FT	SQ YD	FT	FT	EA	FT	FT	FT	FT	FT	EA	
PHASE 1																			
46	167+75	176+00	NB			825	825	1650											
46	175+54	176+00	NB	1						20									
47	176+00	183+25	NB				725	1450											
47	176+00	180+50	NB			450													
47	176+50	182+08	SB	1						528									
49	229+75	244+55	NB				1480	2960											
49	234+30	244+55	NB			1025													
49	237+40	242+20	NB	1						450									
49	238+50	243+30	SB	1						450									
TURNAROUND REMOVAL																			
48-49	224+00 RAMP D	228+48	SB	1						662		1							
48-49	224+00 RAMP D	230+35 RAMP D	SB				635												
48-49	226+00	228+48	SB							248									
48-49	0+85 RAMP E	5+00 RAMP E	NB	1						415									
48-49	1+92 RAMP E	5+25 RAMP E	NB				333												
PHASE 2																			
57	161+20	176+00	NB											1480	1480				
57	161+20	173+80	NB													2520			
57	173+62	176+00	SB											238	238	476			
57	173+80	176+00	NB										440						
57	175+74	176+00	NB	1															
58	176+00	200+00	NB							2400			4800		2400				
58	176+00	178+48	NB											248					
58	176+00	200+00	SB												2400	2400			
58	176+00	188+69	SB													1269			
58	176+00	184+12	SB											812					
58	176+04	200+00	NB											2396					
58	176+04	178+48	NB												244				
58	176+75	177+05	SB	1															
58	176+79	178+89	SB													210			
58	178+89	200+00	SB											2111					
58	178+48	179+53	NB													105			
58	179+53	187+44	NB														791		
58	184+12	188+35	SB														423		
58	188+35	200+00	SB											1165					
58	188+69	200+00	SB												1131				
SUBTOTALS CARRIED TO SHEET 115				8	0	2300	3998	6060	0	0	5898	0	1	5240	8450	7893	6980	1214	0

CALCULATED	MJC
	CHECKED
BBD	
MAINTENANCE OF TRAFFIC SUBSUMMARY	
MOT-75-(10.44)(10.78)	
111	348

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SHEET NO.	STATION		DIRECTION	614						615	622			648				814
	FROM	TO		WORK ZONE IMPACT ATTENUATOR, (BIDIRECTIONAL) EA	WORK ZONE LANE LINE, CLASS 1, 6", 642 PAINT FT	WORK ZONE EDGE LINE, WHITE, CLASS 1, 6", 642 PAINT FT	WORK ZONE EDGE LINE, YELLOW, CLASS 1, 6", 642 PAINT FT	WORK ZONE CHANNELIZING LINE, CLASS 1, 12", 642 PAINT FT	WORK ZONE DOTTED LINE, CLASS 1, 6", 642 PAINT FT	PAVEMENT FOR MAINTAINING TRAFFIC, CLASS A SQ YD	PORTABLE BARRIER, 50", AS PER PLAN FT	PORTABLE BARRIER, ANCHORED FT	PORTABLE BARRIER, Y-CONNECTOR EA	LANE LINE, 6" FT	EDGE LINE, 6" (WHITE) FT	EDGE LINE, 6" (YELLOW) FT	CHANNELIZING LINE, 12" FT	DOTTED LINE, 6" FT
PHASE 2 CONT.																		
59	200+00	224+00	NB										4800	2400	2400			
59	200+00	224+00	SB										2400	4800	4800			
59	200+00	203+65	SB													365		
59	203+65	224+00	SB										2035					
59	210+65	213+95	NB														330	
59	213+95	217+13	NB															
59	212+52	218+76	SB						137									
59	221+53	224+00	SB						51									
60	224+00	246+40	SB															
60	224+00	241+00	SB											1700	2240			
60	224+00	230+78	SB											678	1700			
60	224+00	225+50	SB										150					
60	224+00	224+80	SB	1														
60	224+00	224+73	SB						8									
60	224+00	247+55	NB													2355		
60	224+00	242+20	NB															
60	224+00	238+50	NB															
60	224+00	230+19	NB										2900	619				
60	225+50	246+40	SB														2090	
60	226+33	230+19	NB															
60	226+33	247+55	NB															
60	229+97	234+78	SB															
60	229+97	245+34	SB															
60	230+19	238+28	NB															809
60	230+78	234+78	SB														400	
60	234+78	245+34	SB															1056
60	238+00	247+55	SB	1														
60	238+50	247+55	NB															
60	241+00	246+40	SB															
60	241+00	243+40	SB															
60	245+34		SB															3
PHASE 3A																		
67	188+69	200+00	SB			1131	1131											
67	188+69	198+06	SB					937										
67	198+06	200+00	SB		194													
68	200+00	224+00	SB		2400		2400											
68	200+00	213+54	SB															
68	202+89	209+00	SB															
68	209+00	211+50	SB		250			611										
68	211+50	213+54	SB															
68	211+50	212+52	SB															
68	212+52	224+00	SB			1148		102										
PHASE 3A ACCESS																		
69	211+50	212+80	SB	1														
69	213+50	218+10	SB										100					
													460					

CALCULATED	MJC	CHECKED	BBD
MAINTENANCE OF TRAFFIC SUBSUMMARY			
MOT-75-(10.44)(10.78)			
112			
348			

SUBTOTALS CARRIED TO SHEET 115

3 2844 3633 3531 1243 611 196 7360 2270 0 9885 13856 14199 5926 2195 3

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SHEET NO.	STATION		DIRECTION	614					615	622			648					814	
	FROM	TO		WORK ZONE IMPACT ATTENUATOR, (BIDIRECTIONAL) EA	WORK ZONE LANE LINE, CLASS 1, 6", 642 PAINT FT	WORK ZONE EDGE LINE, WHITE, CLASS 1, 6", 642 PAINT FT	WORK ZONE EDGE LINE, YELLOW, CLASS 1, 6", 642 PAINT FT	WORK ZONE CHANNELIZING LINE, CLASS 1, 12", 642 PAINT FT	WORK ZONE DOTTED LINE, CLASS 1, 6", 642 PAINT FT	PAVEMENT FOR MAINTAINING TRAFFIC, CLASS A SQ YD	PORTABLE BARRIER, 50", AS PER PLAN FT	PORTABLE BARRIER, ANCHORED FT	PORTABLE BARRIER, Y-CONNECTOR EA	LANE LINE, 6" FT	EDGE LINE, 6" (WHITE) FT	EDGE LINE, 6" (YELLOW) FT	CHANNELIZING LINE, 12" FT	DOTTED LINE, 6" FT	INTERSTATE ELONGATED ROUTE SHIELD SYMBOL MARKING, TYPE B125 EA
	PHASE 3A CONT.																		
70	224+00	242+34	SB				1834												
70	224+00	228+50	SB			450													
70	224+00	225+50	SB		150														
70	224+00	225+47	SB	1							117								
70	225+50	233+73	SB					823											
70	227+08	242+34	SB			1526													
70	227+08	230+70	SB					362											
70	228+50	230+70	SB					220											
70	230+70	242+34	SB						1164										
70	233+73	242+34	SB		861														
	PHASE 3B																		
77	176+79	200+00	SB				2321												
77	188+69	198+06	SB					937											
77	198+06	200+00	SB		194														
78	200+00	224+00	SB		2400		2400												
78	200+00	202+62	SB	1															
78	203+62	210+00	SB								232								
78	209+90	224+00	SB								638								
											1410								
	PHASE 3B CONT.																		
79	224+00	243+40	SB				1940												
79	224+00	242+34	SB		1834														
79	224+00	225+47	SB	1							117								
	PHASE 4A																		
85	161+20	176+00	NB										1480	1480	2960				
85	166+25	176+00	SB										975	975	1950				
85	173+50		NB															3	
86	176+00	200+00	NB											2400					
86	176+00	194+89	NB												1889				
86	176+00	181+89	NB												589				
86	176+00	180+08	NB												408				
86	176+00	178+90	NB										290						
86	176+00	200+00	SB											2400					
86	176+00	180+15	SB										415						
86	176+00	179+40	SB												680				
86	176+17	200+00	NB										2383						
86	176+17	178+90	NB											273					
86	176+40	200+00	SB								2360								
86	178+90	200+00	NB											2110					
86	178+90	181+89	NB												598				
86	179+40	200+00	SB									4120							
86	180+08	200+00	NB										1992						
86	180+15	184+65	SB												450				
86	180+20	180+50	NB	1															
86	180+40	200+00	SB										1960						
86	180+40	184+65	SB												425				
86	181+89	191+28	NB													939			
SUBTOTALS CARRIED TO SHEET 115				4	5439	1976	8495	2342	1164	0	4874	0	0	4120	9495	9638	9949	939	3

MAINTENANCE OF TRAFFIC SUBSUMMARY	CALCULATED
	MJC CHECKED BBD
MOT-75-(10.44)(10.78)	113 348

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SHEET NO.	STATION		DIRECTION	614						615	622			648				814	
	FROM	TO		WORK ZONE IMPACT ATTENUATOR, (BIDIRECTIONAL) EA	WORK ZONE LANE LINE, CLASS 1, 6", 642 PAINT FT	WORK ZONE EDGE LINE, WHITE, CLASS 1, 6", 642 PAINT FT	WORK ZONE EDGE LINE, YELLOW, CLASS 1, 6", 642 PAINT FT	WORK ZONE CHANNELIZING LINE, CLASS 1, 12", 642 PAINT FT	WORK ZONE DOTTED LINE, CLASS 1, 6", 642 PAINT FT	PAVEMENT FOR MAINTAINING TRAFFIC, CLASS A SQ YD	PORTABLE BARRIER, 50", AS PER PLAN FT	PORTABLE BARRIER, ANCHORED FT	PORTABLE BARRIER, Y-CONNECTOR EA	LANE LINE, 6" FT	EDGE LINE, 6" (WHITE) FT	EDGE LINE, 6" (YELLOW) FT	CHANNELIZING LINE, 12" FT	DOTTED LINE, 6" FT	INTERSTATE ELONGATED ROUTE SHIELD SYMBOL MARKING, TYPE B125 EA
	PHASE 4A CONT.																		
86	184+65	188+30	SB															365	
86	194+89	200+00	NB										511						
86	196+84	200+00	NB	1															
87	200+00	224+00	NB											2400	4800				
87	200+00	224+00	SB										4800		2400				
87	200+00	221+00	NB										2100						
87	200+00	214+88	NB											1488					
87	200+00	212+05	SB											1205					
87	200+00	211+94	NB																
87	201+55	210+19	SB															864	
87	210+19	212+05	SB													372			
87	211+32	213+72	NB															240	
87	212+05	224+00	SB											1195					
87	213+72	224+00	NB											1028					
87	213+72	216+45	NB												273				
87	214+12	224+00	NB	1															
87	215+00	218+95	NB						88									300	
87	221+00	224+00	NB						45										
87	221+65	224+00	NB																
88	224+00	248+00	SB															2400	
88	224+00	247+55	NB															2355	
88	224+00	246+39	SB										4478			2355			
88	224+00	244+44	SB	1															
88	224+00	240+93	NB															1693	
88	224+00	237+29	NB															1329	
88	224+00	229+74	NB															574	
88	224+00	227+39	SB															339	
88	224+00	225+07	NB						8										
88	226+31	247+55	NB															2124	
88	226+31	229+74	NB															343	
88	226+76	248+00	SB															2124	
88	226+76	227+39	SB															63	
88	227+39	230+53	SB															628	
88	229+74	232+89	NB															630	
88	230+53	246+39	SB															1586	
88	232+89	238+94	NB															605	
88	237+29	247+55	NB															1026	
88	240+93	243+28	NB															235	
88	242+00	242+30	NB	1															
88	246+39	248+00	SB															483	
89	248+00	255+20	SB															720	
89	248+00	252+20	SB											420				1440	
89	248+00	249+39	SB															139	
89	249+39	255+20	SB											581					
89	249+39	252+20	SB															281	
	PHASE 4B																		
96	211+32	215+00	NB															368	
SUBTOTALS CARRIED TO SHEET 115				4	0	0	0	0	0	141	6085	1135	0	11889	16500	13635	7608	3660	0

CALCULATED	MJC
	CHECKED
BBD	
MAINTENANCE OF TRAFFIC SUBSUMMARY	
MOT-75-(10.44)(10.78)	
114	348

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SHEET NO.	STATION		DIRECTION	614					615	622			648					814	
	FROM	TO		WORK ZONE IMPACT ATTENUATOR, (BIDIRECTIONAL) EA	WORK ZONE LANE LINE, CLASS 1, 6", 642 PAINT FT	WORK ZONE EDGE LINE, WHITE, CLASS 1, 6", 642 PAINT FT	WORK ZONE EDGE LINE, YELLOW, CLASS 1, 6", 642 PAINT FT	WORK ZONE CHANNELIZING LINE, CLASS 1, 12", 642 PAINT FT	WORK ZONE DOTTED LINE, CLASS 1, 6", 642 PAINT FT	PAVEMENT FOR MAINTAINING TRAFFIC, CLASS A SQ YD	PORTABLE BARRIER, 50", AS PER PLAN FT	PORTABLE BARRIER, ANCHORED FT	PORTABLE BARRIER, Y-CONNECTOR EA	LANE LINE, 6" FT	EDGE LINE, 6" (WHITE) FT	EDGE LINE, 6" (YELLOW) FT	CHANNELIZING LINE, 12" FT	DOTTED LINE, 6" FT	INTERSTATE ELONGATED ROUTE SHIELD SYMBOL MARKING, TYPE B125 EA
PHASE 5																			
104	181+89	200+00	NB			1811	1811												
104	181+89	194+76	NB					1287											
104	181+89	188+51	NB					662											
104	194+76	200+00	NB		524														
104	196+71	200+00	NB	1								299							
105	200+00	224+00	NB				2400												
105	200+00	223+80	NB									1245	1135						
105	200+00	219+00	NB		1900														
105	200+00	213+95	NB			1395													
105	210+65	213+95	NB					330											
105	214+95	224+00	NB			905													
105	214+95	217+13	NB				218												
105	219+00	224+00	NB					500											
PHASE 5 ACCESS																			
106	211+40	216+00	NB									460							
106	216+70	218+00	NB	1								100							
PHASE 5 CONT.																			
107	224+00	237+29	NB				1329	1329											
107	224+00	227+45	NB			345													
107	226+31	237+29	NB			1098													
107	226+31	227+45	NB				114												
107	227+45	229+74	NB					458											
107	229+74	237+29	NB						755										
SUBTOTALS THIS SHEET				2	2424	5554	5872	3574	1747	0	2104	1135	0	0	0	0	0	0	
SUBTOTALS CARRIED FROM SHEET 111				8	0	2300	3998	6060	0	0	5898	0	1	5240	8450	7893	6980	1214	0
SUBTOTALS CARRIED FROM SHEET 112				3	2844	3633	3531	1243	611	196	7360	2270	0	9885	13856	14199	5926	2195	3
SUBTOTALS CARRIED FROM SHEET 113				4	5439	1976	8495	2342	1164	0	4874	0	0	4120	9495	9638	9949	939	3
SUBTOTALS CARRIED FROM SHEET 114				4	0	0	0	0	0	141	6085	1135	0	11889	16500	13635	7608	3660	0
SUBTOTALS				21	10707	13463	21896	13219	3522	337	26321	4540	1	31134	48301	45365	30463	8008	6
TOTALS CARRIED TO GENERAL SUMMARY				21	2.03 MI	6.7 MI		13219	3522	337	26321	4540	1	5.9 MI	17.74 MI		30463	8008	6

CALCULATED MJC CHECKED BBD	MAINTENANCE OF TRAFFIC SUBSUMMARY	MOT-75-(10.44)(10.78)	115 348
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SHEET NUM.				PART.			ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
				01/BRO/BR	02/IMS/BR	03/IMS/PV						
	201											
	LS			LS			202	11203	LS		STRUCTURE OVER 20 FOOT SPAN (MOT-75-1044C)	
	669			669			202	22900	669	SY	PORTIONS OF STRUCTURE REMOVED, OVER 20 FOOT SPAN, AS PER PLAN APPROACH SLAB REMOVED	198,202,204 215-224
	LS			LS			503	11100	LS		COFFERDAMS AND EXCAVATION BRACING	
	LS			LS			503	21300	LS		UNCLASSIFIED EXCAVATION	
	978			978			504	11101	978	SF	STEEL SHEET PILING LEFT IN PLACE, AS PER PLAN (SECTION MODULUS = 21.5 IN3/FT)	218-219
	1,441			1,441			504	11101	1,441	SF	STEEL SHEET PILING LEFT IN PLACE, AS PER PLAN (SECTION MODULUS = 33.5 IN3/FT)	221-222
	1,216,251			1,216,251			509	10000	1,216,251	LB	EPOXY COATED REINFORCING STEEL	
	500			500			509	20000	500	LB	REINFORCING STEEL, REPLACEMENT OF EXISTING REINFORCING STEEL	
	366			366			510	10000	366	EACH	DOWEL HOLES WITH NONSHRINK, NONMETALLIC GROUT	
	3,761			3,761			511	34446	3,761	CY	CLASS QC2 CONCRETE WITH QC/QA, BRIDGE DECK	
	752			752			511	34450	752	CY	CLASS QC2 CONCRETE WITH QC/QA, BRIDGE DECK (PARAPET)	
	129			129			511	44110	129	CY	CLASS QC1 CONCRETE, ABUTMENT NOT INCLUDING FOOTING	
	33			33			511	53014	33	CY	CLASS QC3 CONCRETE, MISC.:MODULAR EXPANSION JOINT, AS PER PLAN	278
	3,669			3,669			512	10100	3,669	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)	
	17			17			512	33000	17	SY	TYPE 2 WATERPROOFING	
	29,676			29,676			513	10201	29,676	LB	STRUCTURAL STEEL MEMBERS, LEVEL UF, AS PER PLAN	198,240
	222,892			222,892			513	10280	222,892	LB	STRUCTURAL STEEL MEMBERS, LEVEL 4	
	286			286			513	17001	286	FT	STRUCTURAL STEEL MEMBERS, MODULAR EXPANSION JOINT, LEVEL UF, AS PER PLAN	198-199,214-217
	52,614			52,614			513	20000	52,614	EACH	WELDED STUD SHEAR CONNECTORS	
	LS			LS			513	95020	LS		STRUCTURAL STEEL, MISC.:TEMPORARY SUPPORT OF EXISTING STRUCTURE	238
	4,121			4,121			514	00050	4,121	SF	SURFACE PREPARATION OF EXISTING STRUCTURAL STEEL	
	4,121			4,121			514	00057	4,121	SF	FIELD PAINTING OF EXISTING STRUCTURAL STEEL, PRIME COAT, AS PER PLAN	239
	14,642			14,642			514	00060	14,642	SF	FIELD PAINTING STRUCTURAL STEEL, INTERMEDIATE COAT	
	14,642			14,642			514	00066	14,642	SF	FIELD PAINTING STRUCTURAL STEEL, FINISH COAT	
	1			1			514	10000	1	EACH	FINAL INSPECTION REPAIR	
	396			396			516	13200	396	SF	1/2" PREFORMED EXPANSION JOINT FILLER	
	198			198			516	13600	198	SF	1" PREFORMED EXPANSION JOINT FILLER	
	15			15			516	44101	15	EACH	ELASTOMERIC BEARING WITH INTERNAL LAMINATES AND LOAD PLATE (NEOPRENE), AS PER PLAN (17" x 22" x 2.2988" WITH 23" x 28" x 1.625" LOAD PLATE)	232
	16			16			516	44101	16	EACH	ELASTOMERIC BEARING WITH INTERNAL LAMINATES AND LOAD PLATE (NEOPRENE), AS PER PLAN (17" x 22" x 2.2988" WITH 23" x 28" x 1.875" LOAD PLATE)	232
	30			30			516	44201	30	EACH	ELASTOMERIC BEARING WITH INTERNAL LAMINATES AND LOAD PLATE (NEOPRENE), AS PER PLAN (17" x 22" x 3.3232" WITH 23" x 28" x 1.5625" LOAD PLATE)	233
	32			32			516	44201	32	EACH	ELASTOMERIC BEARING WITH INTERNAL LAMINATES AND LOAD PLATE (NEOPRENE), AS PER PLAN (17" x 22" x 3.3232" WITH 23" x 28" x 1.8125" LOAD PLATE)	233
	15			15			516	44201	15	EACH	ELASTOMERIC BEARING WITH INTERNAL LAMINATES AND LOAD PLATE (NEOPRENE), AS PER PLAN (17" x 22" x 3.3232" WITH 23" x 28" x 0.5" LOAD PLATE)	234
	17			17			516	44201	17	EACH	ELASTOMERIC BEARING WITH INTERNAL LAMINATES AND LOAD PLATE (NEOPRENE), AS PER PLAN (17" x 22" x 3.3232" WITH 23" x 28" x 1.0" LOAD PLATE)	234
	7			7			516	44201	7	EACH	ELASTOMERIC BEARING WITH INTERNAL LAMINATES AND LOAD PLATE (NEOPRENE), AS PER PLAN (17" x 22" x 3.3232" WITH 18" x 28" x 3.375" LOAD PLATE)	235
	8			8			516	44201	8	EACH	ELASTOMERIC BEARING WITH INTERNAL LAMINATES AND LOAD PLATE (NEOPRENE), AS PER PLAN (17" x 22" x 3.3232" WITH 18" x 28" x 3.875" LOAD PLATE)	235
	LS			LS			516	47000	LS		JACKING AND TEMPORARY SUPPORT OF SUPERSTRUCTURE	
	33			33			518	12301	33	EACH	SCUPPERS, INCLUDING SUPPORTS, AS PER PLAN	247
	179			179			518	21201	179	CY	POROUS BACKFILL WITH GEOTEXTILE FABRIC, AS PER PLAN	224-231
	307			307			518	40000	307	FT	6" PERFORATED CORRUGATED PLASTIC PIPE	
	136			136			518	40011	136	FT	6" NON-PERFORATED CORRUGATED PLASTIC PIPE, INCLUDING SPECIALS, AS PER PLAN	227-231
	693			693			526	25011	693	SY	REINFORCED CONCRETE APPROACH SLABS WITH QC/QA (T=15'), AS PER PLAN	273
	160			160			526	90020	160	SY	TYPE B INSTALLATION	
	262			262			607	39900	262	FT	VANDAL PROTECTION FENCE, 6' STRAIGHT, COATED FABRIC	

GENERAL SUMMARY

MOT-75-(10.44)(10.78)

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SHEET NUM.				PART.			ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
				01/BRO/BR	02/IMS/BR	03/IMS/PV						
288												
										STRUCTURE OVER 20 FOOT SPAN (MOT-75-1078C)		
LS					LS		202	11203	LS	PORTIONS OF STRUCTURE REMOVED, OVER 20 FOOT SPAN, AS PER PLAN	287,298-304	
642					642		202	22900	642 SY	APPROACH SLAB REMOVED	314-317	
LS					LS		503	11100	LS	COFFERDAMS AND EXCAVATION BRACING		
LS					LS		503	21300	LS	UNCLASSIFIED EXCAVATION		
LS					LS		505	11100	LS	PILE DRIVING EQUIPMENT MOBILIZATION		
320					320		507	00500	320 FT	12" CAST-IN-PLACE REINFORCED CONCRETE PILES, DRIVEN		
360					360		507	00550	360 FT	12" CAST-IN-PLACE REINFORCED CONCRETE PILES, FURNISHED		
209,938					209,938		509	10000	209,938 LB	EPOXY COATED REINFORCING STEEL		
716					716		510	10000	716 EACH	DOWEL HOLES WITH NONSHRINK, NONMETALLIC GROUT		
4					4		511	33501	4 EACH	SEMI-INTEGRAL DIAPHRAGM GUIDE, AS PER PLAN	326	
819					819		511	34446	819 CY	CLASS QC2 CONCRETE WITH QC/QA, BRIDGE DECK		
208					208		511	34450	208 CY	CLASS QC2 CONCRETE WITH QC/QA, BRIDGE DECK (PARAPET)		
27					27		511	41010	27 CY	CLASS QC1 CONCRETE, PIER ABOVE FOOTINGS		
126					126		511	43510	126 CY	CLASS QC1 CONCRETE, ABUTMENT INCLUDING FOOTING		
1,750					1,750		512	10100	1,750 SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)		
14					14		512	33000	14 SY	TYPE 2 WATERPROOFING		
725,675					725,675		513	10260	725,675 LB	STRUCTURAL STEEL MEMBERS, LEVEL 3		
10,620					10,620		513	20000	10,620 EACH	WELDED STUD SHEAR CONNECTORS		
35,834					35,834		514	00060	35,834 SF	FIELD PAINTING STRUCTURAL STEEL, INTERMEDIATE COAT		
35,834					35,834		514	00066	35,834 SF	FIELD PAINTING STRUCTURAL STEEL, FINISH COAT		
32					32		516	13200	32 SF	1/2" PREFORMED EXPANSION JOINT FILLER		
48					48		516	13900	48 SF	2" PREFORMED EXPANSION JOINT FILLER		
273					273		516	14020	273 FT	SEMI-INTEGRAL ABUTMENT EXPANSION JOINT SEAL		
36					36		516	44101	36 EACH	ELASTOMERIC BEARING WITH INTERNAL LAMINATES AND LOAD PLATE (NEOPRENE), AS PER PLAN (11" x 15" x 2.948" WITH 12" x 16" x 1.5" LOAD PLATE)	321	
36					36		516	44201	36 EACH	ELASTOMERIC BEARING WITH INTERNAL LAMINATES AND LOAD PLATE (NEOPRENE), AS PER PLAN (13" x 19" x 3.398" WITH 14" x 20" x 1.5" LOAD PLATE)	321	
11					11		518	12301	11 EACH	SCUPPERS, INCLUDING SUPPORTS, AS PER PLAN	328	
207					207		518	21200	207 CY	POROUS BACKFILL WITH GEOTEXTILE FABRIC		
285					285		518	40000	285 FT	6" PERFORATED CORRUGATED PLASTIC PIPE		
62					62		518	40011	62 FT	6" NON-PERFORATED CORRUGATED PLASTIC PIPE, INCLUDING SPECIALS, AS PER PLAN	308,312	
1					1		523	20000	1 EACH	DYNAMIC LOAD TESTING		
640					640		526	25001	640 SY	REINFORCED CONCRETE APPROACH SLABS (T=15"), AS PER PLAN	338	
134					134		526	90020	134 SY	TYPE B INSTALLATION		
1,081					1,081		601	21000	1,081 SY	CONCRETE SLOPE PROTECTION		
406					406		607	39900	406 FT	VANDAL PROTECTION FENCE, 6' STRAIGHT, COATED FABRIC		

CALCULATED	MJC	CHECKED	BBD
GENERAL SUMMARY			
MOT-75-(10.44)(10.78)			
120			
348			

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SHEET NUM.										PART.			ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
14	15	16	17	19	20	53	54	115		01/BRO/BR	02/IMS/BR	03/IMS/PV						
			500							250	250		614	11110	500	HOUR	LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE	
								21		10	11		614	12338	21	EACH	WORK ZONE IMPACT ATTENUATOR (BIDIRECTIONAL)	
										LS			614	12420	LS		DETOUR SIGNING	
11										6	5		614	12484	11	EACH	WORK ZONE INCREASED PENALTIES SIGN	
										10	10		614	12500	20	EACH	REPLACEMENT SIGN	
20										25	25		614	12600	50	EACH	REPLACEMENT DRUM	
50										1,275	1,275		614	12801	2,550	EACH	WORK ZONE RAISED PAVEMENT MARKER, AS PER PLAN	16
100		2,550								50	50		614	13000	100	CY	ASPHALT CONCRETE FOR MAINTAINING TRAFFIC	
	250									125	125		614	13001	250	CY	ASPHALT CONCRETE FOR MAINTAINING TRAFFIC, AS PER PLAN	15
		890								445	445		614	13310	890	EACH	BARRIER REFLECTOR, TYPE 1, 1WAY	
		100								50	50		614	13312	100	EACH	BARRIER REFLECTOR, TYPE 2, 1WAY	
		723								362	361		614	13350	723	EACH	OBJECT MARKER, ONE WAY	
		267								134	133		614	13360	267	EACH	OBJECT MARKER, TWO WAY	
		6								3	3		614	18601	6	SNMT	PORTABLE CHANGEABLE MESSAGE SIGN, AS PER PLAN	16
								2.03		1.02	1.01		614	20110	2.03	MILE	WORK ZONE LANE LINE, CLASS I, 6", 642 PAINT	
				6.23						3.12	3.11		614	20560	6.23	MILE	WORK ZONE LANE LINE, CLASS III, 6", 642 PAINT	
								6.7		3.35	3.35		614	22110	6.7	MILE	WORK ZONE EDGE LINE, CLASS I, 6", 642 PAINT	
				6.17						3.09	3.08		614	22360	6.17	MILE	WORK ZONE EDGE LINE, CLASS III, 6", 642 PAINT	
								13,219		6,610	6,609		614	23210	13,219	FT	WORK ZONE CHANNELIZING LINE, CLASS I, 12", 642 PAINT	
								3,500		1,750	1,750		614	23690	3,500	FT	WORK ZONE CHANNELIZING LINE, CLASS III, 12", 642 PAINT	
								3,522		1,761	1,761		614	24202	3,522	FT	WORK ZONE DOTTED LINE, CLASS I, 6", 642 PAINT	
								3,274		1,637	1,637		614	24612	3,274	FT	WORK ZONE DOTTED LINE, CLASS III, 6", 642 PAINT	
								1,288		644	644		614	24618	1,288	FT	WORK ZONE DOTTED LINE, CLASS III, 12", 642 PAINT	
								337		169	168		615	20000	337	SY	PAVEMENT FOR MAINTAINING TRAFFIC, CLASS A	
						648	1,151			900	899		615	20001	1,799	SY	PAVEMENT FOR MAINTAINING TRAFFIC, CLASS A, AS PER PLAN	53,54
					150					75	75		615	25001	150	SY	PAVEMENT FOR MAINTAINING TRAFFIC, CLASS B, AS PER PLAN	20
	7									4	3		616	10000	7	MGAL	WATER	
								26,321		13,161	13,160		622	41011	26,321	FT	PORTABLE BARRIER, 50", AS PER PLAN	17
								1		1			622	41050	1	EACH	PORTABLE BARRIER, "Y" CONNECTOR	
								4,540		2,270	2,270		622	41110	4,540	FT	PORTABLE BARRIER, ANCHORED	
					1,000					500	500		622	41111	1,000	FT	PORTABLE BARRIER, ANCHORED, AS PER PLAN	19
								17.74		8.87	8.87		648	00104	17.74	MILE	EDGE LINE, 6"	
								5.9		2.95	2.95		648	00204	5.9	MILE	LANE LINE, 6"	
								30,463		15,232	15,231		648	00404	30,463	FT	CHANNELIZING LINE, 12"	
								8,008		4,004	4,004		648	01510	8,008	FT	DOTTED LINE, 6"	
	46									23	23		808	18700	46	SNMT	DIGITAL SPEED LIMIT (DSL) SIGN ASSEMBLY	
								6		3	3		814	00010	6	EACH	INTERSTATE ELONGATED ROUTE SHIELD SYMBOL MARKING, TYPE B125	
										LS	LS	LS	108	10000	LS		CPM PROGRESS SCHEDULE	
LS										LS	LS	LS	614	11000	LS		MAINTAINING TRAFFIC	
										9	9	8	619	16020	26	MNTH	FIELD OFFICE, TYPE C	
										LS	LS	LS	623	10000	LS		CONSTRUCTION LAYOUT STAKES AND SURVEYING	
										LS	LS	LS	624	10000	LS		MOBILIZATION	

GENERAL SUMMARY

MOT-75-(10.44)(10.78)

CALCULATED
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625, LIGHT POLE ANCHOR BOLTS ON STRUCTURES

WHEN A LIGHT POLE IS MOUNTED ON THE MEDIAN OF A BRIDGE, PARAPET OR ON A RETAINING WALL, THE REQUIRED ANCHOR BOLTS MAY DIFFER IN LENGTH AND/OR SHAPE FROM THOSE REQUIRED WHEN THE POLE IS MOUNTED ON A CAST-IN-PLACE DRILLED SHAFT FOUNDATION. THE COST DIFFERENTIAL FOR FURNISHING SUCH BOLTS IS INCLUDED HEREIN.

IN ADDITION, THERE IS NO FOUNDATION CONSTRUCTION ITEM IN WHICH TO INCLUDE THE SETTING OF THE ANCHOR BOLTS. THUS, THE SETTING OF THE ANCHOR BOLTS INTO THE MEDIAN RAILING OR PILASTER IS ALSO PART OF THIS WORK.

PAYMENT WILL BE MADE AT EACH SUCH POLE LOCATION AT THE UNIT PRICE BID FOR EACH C&MS ITEM 625, "LIGHT POLE ANCHOR BOLTS ON STRUCTURE" AND SHALL BE FULL COMPENSATION FOR FURNISHING AND PLACING THE SET OF ANCHOR BOLTS REQUIRED.

PADLOCKS AND KEYS

PADLOCKS FURNISHED SHALL BE EITHER BRASS OR BRONZE, EQUAL TO MASTER NO. 4BKA OR WILSON BOHANNAN 660A, AND SHALL BE KEYPED IN ACCORDANCE WITH C&MS 631.06. PAYMENT SHALL BE INCLUDED IN THE BID FOR THE ITEM(S) BEING LOCKED.

UNDERDRAINS FOR PULL BOXES

REFERENCE IS MADE TO STANDARD CONSTRUCTION DRAWINGS FOR DETAILS ON DRAINING PULL BOXES. UNDERDRAINS FOR PULL BOXES SHALL BE USED AS DIRECTED BY THE ENGINEER AND SHALL BE PROVIDED WHERE A SATISFACTORY OUTLET DOES NOT EXCEED 20 FEET. AN ESTIMATED QUANTITY OF 160 FEET OF ITEM 611 - 4" CONDUIT, TYPE E, IS INCLUDED IN THE GENERAL SUMMARY FOR THIS PURPOSE.

625, LUMINAIRE, CONVENTIONAL, HPS, AS PER PLAN

IN ADDITION TO THE REQUIREMENTS OF ODOT'S CONSTRUCTION AND MATERIAL SPECIFICATIONS, LUMINAIRES FOR CONVENTIONAL LIGHTING UNITS SHALL BE AS FOLLOWS:

LUMINAIRES FOR CONVENTIONAL LIGHTING UNITS WITH AN IES II-M-SC DISTRIBUTION AND 250 WATT HIGH PRESSURE SODIUM LAMPS SHALL BE AMERICAN ELECTRIC "SERIES I25" WITH PHOTOMETRIC DISTRIBUTION AE3849I (ADJUST LUMEN VALUE FOR 250W HPS), COOPER "OVX" WITH PHOTOMETRIC DISTRIBUTION OVX25SXX2DF (ADJUST LUMEN VALUE FOR 250W HPS), GENERAL ELECTRIC "M-400" WITH PHOTOMETRIC DISTRIBUTION 1014 (ADJUST LUMEN VALUE FOR 250W HPS), OR EQUAL AS APPROVED BY THE ENGINEER.

PAYMENT WILL BE MADE AT THE UNIT BID PRICE FOR EACH C&MS ITEM 625, "LUMINAIRE, CONVENTIONAL, HPS, AS PER PLAN" FOR EACH LUMINAIRE WHICH SHALL BE FULL COMPENSATION FOR ALL LABOR, MATERIALS AND INCIDENTALS REQUIRED TO COMPLETE THIS ITEM IN A SATISFACTORY AND WORKMANLIKE MANNER.

625, LUMINAIRE, UNDERPASS, SOLID STATE (LED), AS PER PLAN, WALL MOUNTED

IN ADDITION TO THE REQUIREMENTS OF ODOT'S CONSTRUCTION AND MATERIAL SPECIFICATIONS, LUMINAIRES FOR UNDERPASS LIGHTING UNITS SHALL BE AS FOLLOWS:

LUMINAIRES FOR UNDERPASS LIGHTING UNITS SHALL BE GENERAL ELECTRIC "EVOLVE N-SERIES (EWNA) EWNAXC4540INGRAYFR, 7181 LUMENSASYMETRIC FORWARD, HOLOPHANE "WALL PACK IV" W4P LED 10C 700 40K T3M" 2183 LUMENS WALL MOUNT, ELECTROMATIC AR-SERIES F2E MOUNT, LE3T4S084EF2E0XSOH 6593 LUMENS (T4S), COOPER LIGHTING "WALPAK SERIES" WKP6BLEDEUGLBK10K7040BDU, OR EQUAL AS APPROVED BY THE ENGINEER.

LUMINAIRES FOR UNDERPASS LIGHTING UNIT WHICH ARE WALL MOUNTED SHALL BE FURNISHED WITH AN INTEGRAL FUSE HOLDER AND 10-AMPERE FUSES. THE LIGHTING UNITS SHALL BE BLACK AND EQUIPPED WITH BIRD SPIKES.

PAYMENT WILL BE MADE AT THE UNIT PRICE BID UNDER ITEM 625, "LUMINAIRE, UNDERPASS, SOLID STATE (LED), AS PER PLAN" FOR EACH LUMINAIRE WHICH SHALL BE FULL COMPENSATION FOR ALL LABOR, MATERIALS AND INCIDENTALS REQUIRED TO COMPLETE THIS ITEM IN A SATISFACTORY AND WORKMANLIKE MANNER.

625, CONNECTION, UNFUSED PERMANENT, AS PER PLAN

FURNISH AND INSTALL A SPLICE KIT CONFORMING TO THE REQUIREMENTS OF 625.18 AND 725.15E. IN ADDITION, THE SPLICE KIT SHALL HAVE A RIGID TRANSPARENT SPLICE ENCLOSURE AND THE EPOXY USED SHALL BE NON-SHRINKING.

THIS ITEM IS ONLY NEEDED WHEN A TIE-IN SITUATION EXISTS WHERE AN EXISTING CABLE IS SPLICED TO A NEW CABLE. WHEN ALL NEW LEAD-IN WIRE IS SPECIFIED IN THE PLAN, THIS ITEM OF WORK IS NOT REQUIRED.

PAYMENT FOR THIS ITEM SHALL INCLUDE ALL NECESSARY LABOR, MATERIAL, AND EQUIPMENT REQUIRED TO PROVIDE FOR ITEM 625, CONNECTION, UNFUSED PERMANENT, AS PER PLAN. BASIS OF PAYMENT WILL BE AT CONTRACT BID PRICE PER EACH.

625, POWER SERVICE, AS PER PLAN

IN ADDITION TO THE REQUIREMENTS OF THE SPECIFICATIONS, THE FOLLOWING IS ADDED.

THE POWER SUPPLYING AGENCY FOR THIS PROJECT IS:

DAYTON POWER AND LIGHT
1900 DRYDEN RD, DAYTON, OH 45439
(937) 331-4132
MICHAEL KOHR

THE ENGINEER SHALL ENSURE THAT EACH POWER SERVICE ELECTRICAL ENERGY ACCOUNT IS IN THE NAME OF AND THAT THE BILLING ADDRESS IS TO THE MAINTAINING AGENCY NOTED IN THE PLANS. THIS SHALL BE DONE NOT ONLY FOR EACH NEW POWER SERVICE ESTABLISHED BY THIS PROJECT BUT ALSO FOR EACH EXISTING POWER SERVICE, SINCE THERE MAY BE A REASSIGNMENT OF THE RESPONSIBILITY FOR AN EXISTING SERVICE AS A RESULT OF THE WORK PERFORMED BY THIS PROJECT.

PAYMENT WILL BE MADE AT THE UNIT BID PRICE FOR EACH C&MS ITEM 625, "POWER SERVICE, AS PER PLAN" WHICH SHALL BE FULL COMPENSATION FOR ALL LABOR, MATERIALS AND INCIDENTALS REQUIRED TO COMPLETE THIS ITEM IN A SATISFACTORY AND WORKMANLIKE MANNER.

SPECIAL, MAINTAIN EXISTING LIGHTING

EXISTING ROADWAYS WHICH ARE TO REMAIN OPEN TO TRAFFIC DURING CONSTRUCTION OF THIS PROJECT AND WHICH ARE LIGHTED SHALL HAVE THE LIGHTING MAINTAINED AS DESCRIBED HEREIN.

BEFORE ANY WORK IS STARTED IN THE IMMEDIATE VICINITY OF THE EXISTING LIGHTING CIRCUITS, REPRESENTATIVES OF ODOT, THE MAINTAINING AGENCY AND THE CONTRACTOR SHALL MAKE A VISUAL INSPECTION OF THE EXISTING ROADWAY LIGHTING CIRCUITS TO BE MAINTAINED. DURING THIS INSPECTION, A WRITTEN RECORD OF THE CONDITION OF EXISTING LIGHTING SHALL BE MADE BY ODOT'S REPRESENTATIVE. THIS WRITTEN REPORT SHALL NOTE INDIVIDUAL LUMINAIRES WHICH ARE NOT IN WORKING ORDER, INDIVIDUAL POLES WHICH ARE NOT STANDING, AND INDIVIDUAL CIRCUITS WHICH ARE NOT IN WORKING ORDER. THE COMPLETED REPORT SHALL BE SIGNED BY THE REPRESENTATIVES OF ODOT, THE MAINTAINING AGENCY AND THE CONTRACTOR.

IF, AS A RESULT OF THIS INSPECTION, IT IS DETERMINED THAT THE CONDITION OF THE EXISTING SYSTEM IS BELOW THAT REQUIRED FOR THE SAFETY OF THE TRAVELING PUBLIC, THEN THE MAINTAINING AGENCY SHALL MAKE THE REPAIRS NECESSARY TO RETURN THE SYSTEM TO AN ACCEPTABLE CONDITION. FOLLOWING THESE REPAIRS, THE SYSTEM SHALL AGAIN BE INSPECTED AND A REPORT SHALL BE MADE AND SIGNED AS OUTLINED HEREIN.

WHEN THE EXISTING SYSTEM IS IN AN ACCEPTABLE CONDITION, IT SHALL BE TURNED OVER TO THE CONTRACTOR WHO SHALL THEN BE REQUIRED TO MAINTAIN THE EXISTING LIGHTING TO THE CONDITION OUTLINED IN THIS REPORT WITH THE EXCEPTION OF KNOCKDOWNS DUE TO TRAFFIC ACCIDENTS.

REPLACEMENT OF KNOCKED DOWNED UNITS SHALL BE DONE ONLY WHEN THE ENGINEER HAS DETERMINED THAT THE REPLACEMENT OF THE KNOCKED DOWN UNIT IS NECESSARY AND SHALL BE PAID SEPARATELY ON A UNIT BASIS.

BETTERMENTS SHALL BE COVERED IN ITEMS OF WORK PERTAINING TO THE CONSTRUCTION OF PERMANENT IMPROVEMENT.

WHEN THE SEQUENCE OF CONSTRUCTION ACTIVITIES REQUIRES, OR SHOULD THE CONTRACTOR DESIRE, THE REMOVAL OF THE EXISTING LIGHTING BEFORE THE NEW LIGHTING IS OPERATIONAL, THE CONTRACTOR IS NOT REQUIRED TO PROVIDE TEMPORARY LIGHTING OF THIS PORTION OF THE ROADWAY.

ALL MATERIALS NECESSARY TO COMPLETE THE TEMPORARY LIGHTING SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR. WHEN NO LONGER NEEDED, THE TEMPORARY LIGHTING INSTALLATION SHALL BE REMOVED AND PROPERLY DISPOSED OF BY THE CONTRACTOR.

THE MAINTAINING AGENCY WILL PAY FOR ELECTRICAL ENERGY CONSUMED BY EXISTING POWER SERVICES AND BY PROPOSED PERMANENT POWER SERVICES AFTER ACCEPTANCE OF THE LIGHTING WORK. THE CONTRACTOR WILL PAY FOR ELECTRICAL ENERGY, INSTALLATION, REMOVAL AND MAINTENANCE OF ANY TEMPORARY POWER SERVICES.

ITEM 513 - STRUCTURAL STEEL MEMBERS, MODULAR EXPANSION JOINT, LEVEL UF, AS PER PLAN (CONT.):

5. DESIGN TEMPORARY AND FIELD CONNECTIONS TO THE BRIDGE TO ACCOMMODATE ADJUSTMENTS FOR ROADWAY GEOMETRY AND VARYING TEMPERATURE.

6. DESIGN FOR THE PLAN SPECIFIED MOVEMENT PER AASHTO LRFD 3.12.2 FOR A COLD CLIMATE (TEMPERATE RANGE IS FROM -30°F TO +120°F WITH BASE TEMPERATURE SET TO 60°F).

SPACING OF SUPPORT BEAMS SHALL BE LIMITED TO 3'-0" CENTERS UNDER MAIN LOAD BEARING BEAMS UNLESS FATIGUE TESTING OF THE ACTUAL WELDING CONNECTION DETAILS HAS BEEN PERFORMED TO SHOW THAT A GREATER SPACING IS ACCEPTABLE. FATIGUE RESISTANCE SHALL BE DETERMINED ACCORDING TO LRFD 6.6.1.2.5 AND BDM SECTION S6.6.1.2.5.

SHOP OR FIELD WELDS SPLICING MAIN BEAMS, OR CONNECTIONS TO THE MAIN BEAMS SHALL BE FULL PENETRATION WELDED AND 100 PERCENT NON-DESTRUCTIVELY TESTED IN ACCORDANCE WITH AWS D1.5 BRIDGE WELDING CODE. ANY REQUIRED FIELD SPLICES OR JOINTS AND NON-DESTRUCTIVE TESTING SHALL BE LOCATED AND DEFINED IN THE PLANS.

FABRICATORS OF MODULAR DEVICES SHALL BE PRE-QUALIFIED 513 LEVEL UF FABRICATORS. REVIEW SECTION 302.4.1.3 AND CONTACT THE OFFICE OF STRUCTURAL ENGINEERING FOR RECOMMENDATIONS. APPROVED MANUFACTURER/FABRICATOR SHALL SUPPLY A QUALIFIED TECHNICAL REPRESENTATIVE TO THE JOBSITE DURING ALL INSTALLATION PROCEDURES.

APPROVED MANUFACTURER/FABRICATOR SHALL SUPPLY A QUALIFIED TECHNICAL REPRESENTATIVE TO THE JOBSITE DURING ALL INSTALLATION PROCEDURES.

SEALS SHALL BE ONE CONTINUOUS PIECE THROUGH THE TOTAL LENGTH OF THE STRUCTURE.

7. SUPPLY SUPPORT BAR BEARINGS TO TRANSFER THE LOAD FROM THE SUPPORT BARS TO THE JOINT ARMOR.

8. FOR DESIGN OF THE DECK JOINT AT ALL LIMIT STATES, THE DYNAMIC LOAD ALLOWANCE (IM) SHALL BE TAKEN AS 125% OF THE STATIC EFFECT OF EITHER THE DESIGN TRUCK OR THE DESIGN TANDEM.

9. SUPPLY EQUALIZATION SPRINGS TO COUNTER THE COMPRESSION FORCES FROM THE SEALING ELEMENTS AND MAINTAIN EQUAL EXPANSION PROPERTIES FOR EACH SEALING ELEMENT ACROSS THE JOINT.

10. SUPPLY CONTROL SPRINGS WHICH WORK LONGITUDINALLY TO MAINTAIN EQUIDISTANT SPACING BETWEEN TRANSVERSE SEPARATION BEAMS.

11. SUPPLY SEPARATION BEAMS/TRANSVERSE DIVIDERS/CENTER BEAMS TO LIMIT TOTAL HORIZONTAL MOVEMENT IN ANY INDIVIDUAL STRIP SEAL.

12. SUPPLY A STRIP SEAL TYPE SEAL CONNECTED TO MATCHING RETAINERS CONNECTED TO THE JOINT ARMOR AND THE SEPARATION BEAMS. DO NOT EXCEED 3.15 INCHES OF TOTAL HORIZONTAL MOVEMENT IN ANY INDIVIDUAL STRIP SEAL.

13. SUPPLY REMOVABLE AND REPLACEABLE NEOPRENE SEALS, SUPPORT BAR BEARINGS AND EQUALIZATION SPRINGS.

14. SET SEALS AND RETAINERS 1/8" LOWER THAN THE ROADWAY SURFACE.

15. DESIGN AND FABRICATE THE MODULAR JOINT AS A CONTINUOUS FULL LENGTH MEMBER WITHOUT FIELD SPLICES.

C. MATERIALS

1. SUPPLY STRUCTURAL STEEL MEETING ASTM A709 GRADE 50. SUPPLY SEPARATION BEAMS/TRANSVERSE DIVIDERS/CENTER BEAMS, EDGE BEAMS AND JOINT ARMOR MEETING CHARPY V NOTCH IMPACT REQUIREMENTS PER ASTM A709 TABLE S1.2 ZONE 2 TEMPERATURE RANGE. SUPPLY TUBE SECTIONS MEETING ASTM A501 OR A500 GRADE B.

2. SUPPLY ASTM A240, TYPE 304 STAINLESS STEEL, 13 GAGE MINIMUM THICKNESSES WITH NO. 8 FINISH FOR SLIDING SURFACES IN CONTACT WITH PTFE.

3. SUPPLY TESTING AND REPORTS BY THE MANUFACTURER OR AN INDEPENDENT TESTING LABORATORY FOR ALL ELASTOMERIC, PTFE URETHANE AND PREFORMED FABRIC MATERIALS USED IN ALL BEARINGS AND SPRINGS. THE SUBMISSION OF MATERIAL CERTIFICATION AND TESTING DATA SHALL BE PER 513.08. THESE MATERIALS SHALL BE TESTED ACCORDING TO THE NATIONAL COOPERATIVE HIGHWAY RESEARCH PROGRAM (NCHRP) REPORT 402 APPENDIX A "A GUIDELINE FOR DURABILITY (NCHRP) REPORT 402 APPENDIX A "A GUIDELINE FOR DURABILITY TESTING OF SPRINGS AND BEARINGS FOR MBEJ."

4. SUPPLY STRIP SEALS CONFORMING TO ASTM D5973. SUBMIT CERTIFIED TEST DATA PER 513.08 FROM THE MANUFACTURER OR AN ACCREDITED LABORATORY. D5973 SECTION 8, LOT SIZE IS ONE SAMPLE PER JOINT. A SAMPLE IS A PIECE 4 FEET LONG WITH ALL MANUFACTURERS' MARKINGS. THE SEAL AND RETAINER ARE AN INTEGRAL SYSTEM SUPPLIED BY ONE MANUFACTURER.

5. SEAL RETAINERS: EXTRUDE, HOT ROLL OR MACHINE, STEEL RETAINERS INTO A SOLID SHAPE. RETAINERS MANUFACTURED FROM BENT PLATE OR BUILT UP PIECES ARE NOT ACCEPTABLE. THE INTERNAL DIMENSIONS OF THE RETAINER SHALL BE SPECIFIED BY THE MANUFACTURER TO ACHIEVE POSITIVE SEAL ANCHORAGE.

6. SEPARATION BEAMS/TRANSVERSE DIVIDERS/CENTER BEAMS SHALL BE A SOLID, NON WELDED MACHINED OR EXTRUDED STEEL SECTION.

7. LUBRICANT - ADHESIVE. ONE PART MOISTURE CURING POLYURETHANE COMPOUND MEETING THE REQUIREMENTS OF ASTM D4070 AND AS SPECIFIED BY THE SEAL MANUFACTURER.

8. HARDWARE SHALL BE ASTM A325 TYPE 1, GALVANIZED, OR A449 GALVANIZED.

D. FABRICATION

1. THE MODULAR JOINTS SHALL BE FABRICATED ACCORDING TO CMS 513.

2. SHOP ASSEMBLE THE MODULAR JOINT WITH ALL COMPONENTS EXCEPT, NEOPRENE SEALS, PER 513.24 EXCEPT THAT FULL ASSEMBLY IS REQUIRED WITH PHASED CONSTRUCTION.

3. JOINTS IN STRIP SEALS: NO JOINTS ARE ALLOWED.

4. JOINTS IN RETAINERS: WELDS ARE WATER TIGHT, PARTIAL PENETRATION WELDS AROUND THE OUTER PERIPHERY OF THE ABUTTING SURFACES. MAKE SPLICES ONLY IN COMPRESSION ZONES OF THE JOINT ARMOR. GRIND FLUSH ALL WELDS IN CONTACT WITH THE SEAL AND JOINT ARMOR. DO NOT USE SHORT PIECES OF RETAINERS LESS THAN 6'-0" LONG, UNLESS REQUIRED . AT CURBS OR SIDEWALKS. DO NOT PROVIDE ADDITIONAL SPLICES IN RETAINERS AT CURB OR SIDEWALK SECTIONS OTHER THAN REQUIRED FOR GEOMETRY.

5. SHOP OR FIELD WELDS OF CENTER BEAMS AND JOINT ARMOR, SHALL BE COMPLETE PENETRATION WELDS, GROUND TO PROVIDE SMOOTH TRANSITIONS AND BE 100% ULTRASONICALLY TESTED PER AASHTO/AWS BRIDGE WELDING CODE, WITH TENSION ACCEPTANCE CRITERIA, WITNESSED BY THE DEPARTMENT.

6. CODE, WITH TENSION ACCEPTANCE CRITERIA, WITNESSED BY THE DEPARTMENT. SUPPORT BAR CONNECTIONS SHALL BE COMPLETE PENETRATION WELDS GROUND TO PROVIDE SMOOTH TRANSITIONS AND BE 100% ULTRASONICALLY TESTED PER AASHTO/AWS BRIDGE WELDING CODE, WITH TENSION ACCEPTANCE CRITERIA, WITNESSED BY THE DEPARTMENT.

7. TEMPORARY SUPPORTS: FABRICATOR DESIGNED AND INSTALLED SUPPORTS ARE REQUIRED TO SUPPORT SHIPPING, ERECTION AND CONSTRUCTION FORCES WITHOUT DAMAGE TO THE STEEL ARMOR OR COATINGS. THESE SUPPORTS SHALL BE ADJUSTABLE FOR FIELD TEMPERATURE SETTING.

E. COATING

1. GALVANIZE OR METALIZE ALL STEEL SURFACES AND COMPONENTS, EXCEPT AT STAINLESS STEEL AND PTFE SLIDING SURFACES. THESE COATING MAY BE MIXED ON ONE ASSEMBLY, IF ALL SIMILAR COMPONENTS OF THE ASSEMBLY HAVE THE SAME COATING TYPE.

2. PROVIDE A GALVANIZED COATING PER ASTM A123, WITH A MINIMUM THICKNESS OF 4 MILS. CLEAN EXCESSIVE GALVANIZING AS NECESSARY TO ACHIEVE MECHANICAL MOVEMENT AND SEAL INSTALLATION.

3. PROVIDE A METALIZED COATING PER SOCIETY FOR PROTECTIVE COATINGS (SSPC) SPECIFICATION SSPC-CS23.00 (MARCH 17, 2003) FOR THERMAL SPRAY METALLIC COATINGS. THE COATING SHALL BE A MINIMUM OF 8 MILS THICK. THE METALIZING WIRE SHALL BE 100% ZINC. AREAS OF STRUCTURAL STEEL THAT ARE IN CONTACT WITH CAST-IN-PLACE CONCRETE SHALL HAVE AN ADDITIONAL COATING. THE COATING SHALL BE THE EPOXY INTERMEDIATE COAT SPECIFIED IN CMS 514. THE COATING THICKNESS WILL COVER ALL PEAKS, VALLEYS AND SURFACE ROUGHNESS ATTRIBUTED TO METALIZING.

4. THE METALIZED OR GALVANIZED COATINGS SHOULD NOT BE FIELD PAINTED. DAMAGED AREAS OF COATINGS SHALL BE REPAIRED PER 516.03.

5. PRIOR TO SHIPPING, RETAINER GROOVES SHALL BE PROTECTED FROM CONSTRUCTION DEBRIS BY THE INSTALLATION OF BACKER RODS OR OTHER EFFECTIVE MASKING TECHNIQUES.

F. INSTALLATION

1. A JOINT MANUFACTURER'S TECHNICAL REPRESENTATIVE TO PHYSICALLY OVERSEE THE FABRICATION, INSTALLATION, ADJUSTMENT AND TESTING DURING ALL OPERATIONS. WHERE SPECIAL INSTRUCTIONS ARE NOT CONTAINED HEREIN OR ELSEWHERE IN THESE NOTES, DIRECTION FOR THE INSTALLATION SHALL BE ACCORDING TO THE RECOMMENDATIONS OF THE TECHNICAL REPRESENTATIVE.

2. COORDINATE AND SCHEDULE THE TECHNICAL REPRESENTATIVE.

3. INSTALL THE SUPERSTRUCTURE SUPPORTING UNITS BEFORE INSTALLING THE MODULAR JOINT. POSITION THE JOINT TO MATCH ROADWAY GEOMETRY SUPERSTRUCTURE CONNECTIONS AND TEMPERATURE OPENING. TAKE CARE TO MAINTAIN EXACT ALIGNMENT OF ADJACENT ENDS OF THE ARMOR AND SEPARATION BEAMS/TRANSVERSE DIVIDERS/CENTER BEAMS FOR FIELD WELDED UNITS. PROVIDE TEMPORARY SUPPORTS AS DIRECTED BY THE MANUFACTURER TO MAINTAIN THE PROPER POSITIONING. FOR PHASED CONSTRUCTION, THE CONTRACTOR'S METHODS FOR INSTALLATION AND TEMPORARY SUPPORTS SHALL ACHIEVE SEPARATION OF THE PHASES AND UNRESTRICTED TEMPERATURE MOVEMENT.

4. PERFORM CONCRETE PLACEMENT USING VIBRATION AND HAND WORK AS NECESSARY TO ACHIEVE CONSOLIDATION AND ELIMINATE AIR VOIDS. THE MAXIMUM AGGREGATE SIZE SHALL BE #8 FOR CONCRETE BLOCKOUT AREAS.

5. PLACE THE DECK CONCRETE FIRST. CHECK THE ABUTMENT OR ADJACENT SPAN SIDE OF THE MODULAR JOINT FOR ALIGNMENT AND TEMPERATURE ADJUSTMENT. TEMPERATURE SHALL BE MEASURED AT THE UNDERSIDE OF THE CONCRETE DECK AT EACH END AND MID-SPAN TO ACHIEVE THE AVERAGE SUPERSTRUCTURE TEMPERATURE. PLACE THE BACKWALL OR ADJACENT SPAN CONCRETE SECOND. THE MANUFACTURER'S REPRESENTATIVE SHALL CHECK THAT TEMPERATURE MOVEMENT HAS NOT CAUSED ANY DAMAGE TO THE BOND BETWEEN THE JOINT AND THE CONCRETE.

6. EXAMINE SEAL RETAINERS FOR SOIL OR DEFECTS THAT CAN DAMAGE THE SEAL. REPAIR ANY DEFECTS AS DIRECTED BY THE MANUFACTURER'S REPRESENTATIVE.

7. SOLVENT CLEAN THE NEOPRENE SEAL ELEMENTS AND THE RETAINER GROOVES TO REMOVE OIL, GREASE OR OTHER SOIL IMMEDIATELY PRIOR TO INSTALLING THE SEALS. INSTALL SEALS USING PROCEDURES AND ADHESIVE SPECIFIED BY THE JOINT MANUFACTURER. KEEP THE BONDING SURFACES CLEAN, DRY AND WARMER THAN 45°F.

8. TEST THE INSTALLED MODULAR JOINT FOR LEAKS. FLOOD THE TOTAL EXPANSION JOINT LENGTH WITH WATER FOR A PERIOD OF NOT LESS THAN ONE HOUR. COVER THE ENTIRE JOINT SYSTEM BY EITHER PONDING OR FLOWING WATER. LOCATE ANY POINTS OF LEAKAGE AND TAKE ANY AND ALL MEASURES NECESSARY TO STOP THE LEAKAGE. PERFORM THIS WORK AT THE CONTRACTOR'S EXPENSE. PERFORM A SECOND WATER TEST AFTER ALL REPAIRS HAVE BEEN MADE.

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DATE	7/2017
REVIEWED	DFT
DRAWN	TAS
CHECKED	CJW
DESIGNED	TAS
REVIEWED	TAS
STRUCTURE FILE NUMBER	5707056

GENERAL NOTES (2 OF 3)

BRIDGE NO. MOT-75-1044

OVER THE GREAT MIAMI RIVER AND CARILLON BOULEVARD

MOT-75-(10.44)(10.78)

PID No. 91606

7/91

199
348

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MADE BY: GMW DATE: 7/16/2017
 CHECKED BY: DTA DATE: 7/17/2017

ESTIMATED QUANTITIES

STRUCTURAL FILE NUMBER: 5707056

ITEM	EXTENSION	TOTAL	UNIT	DESCRIPTION	ABUT.	PIER	SUPER.	GEN.	REFERENCE SHEET NO.
202	11203	LUMP		PORTIONS OF STRUCTURE REMOVED, OVER 20 FOOT SPAN, AS PER PLAN				LUMP	6, 10, 12, AND 23 THRU 31 OF 91
202	22900	669	SY	APPROACH SLAB REMOVED				669	
503	11100	LUMP		COFFERDAMS AND EXCAVATION BRACING	LUMP				
503	21300	LUMP		UNCLASSIFIED EXCAVATION	LUMP				
504	11101	978	SF	STEEL SHEET PILING LEFT IN PLACE, AS PER PLAN (SECTION MODULUS = 21.5 IN3/FT)	978				26 AND 27 OF 91
504	11101	1,441	SF	STEEL SHEET PILING LEFT IN PLACE, AS PER PLAN (SECTION MODULUS = 33.5 IN3/FT)	1,441				29 AND 30 OF 91
509	10000	1,216,251	LB	EPOXY COATED REINFORCING STEEL	22,827		1,190,601	2,823	
509	20000	500	LB	REINFORCING STEEL, REPLACEMENT OF EXISTING REINFORCING STEEL	500				
510	10000	366	EACH	DOWEL HOLES WITH NONSHRINK, NONMETALLIC GROUT	366				
511	34446	3,761	CY	CLASS QC2 CONCRETE WITH QC/QA, BRIDGE DECK			3,761		
511	34450	752	CY	CLASS QC2 CONCRETE WITH QC/QA, BRIDGE DECK (PARAPET)			718	34	
511	44110	129	CY	CLASS QC1 CONCRETE, ABUTMENT NOT INCLUDING FOOTING	129				
511	53014	33	CY	CLASS QC3 CONCRETE, MISC.: MODULAR EXPANSION JOINT, AS PER PLAN				33	86 OF 91
512	10100	3,669	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)	441		3,228		
512	33000	17	SY	TYPE 2 WATERPROOFING	17				
513	10201	29,676	LB	STRUCTURAL STEEL MEMBERS, LEVEL UF, AS PER PLAN			29,676		6 AND 48 OF 91
513	10280	222,892	LB	STRUCTURAL STEEL MEMBERS, LEVEL 4			222,892		
513	17001	286	FT	STRUCTURAL STEEL MEMBERS, MODULAR EXPANSION JOINT, LEVEL UF, AS PER PLAN			286		6, 7, AND 84 THRU 87 OF 91
513	20000	52,614	EACH	WELDED STUD SHEAR CONNECTORS			52,614		
513	95020	LUMP		STRUCTURAL STEEL, MISC.: TEMPORARY SUPPORT OF EXISTING STRUCTURE			LUMP		46 OF 91
514	00050	4,121	SF	SURFACE PREPARATION OF EXISTING STRUCTURAL STEEL			4,121		
514	00057	4,121	SF	FIELD PAINTING OF EXISTING STRUCTURAL STEEL, PRIME COAT, AS PER PLAN			4,121		47 OF 91
514	00060	14,642	SF	FIELD PAINTING STRUCTURAL STEEL, INTERMEDIATE COAT			14,642		
514	00066	14,642	SF	FIELD PAINTING STRUCTURAL STEEL, FINISH COAT			14,642		
514	10000	1	EACH	FINAL INSPECTION REPAIR			1		
516	13200	396	SF	1/2" PREFORMED EXPANSION JOINT FILLER	44			352	
516	13600	198	SF	1" PREFORMED EXPANSION JOINT FILLER				198	
516	44101	15	EACH	ELASTOMERIC BEARING WITH INTERNAL LAMINATES AND LOAD PLATE (NEOPRENE), AS PER PLAN (17" x 22" x 2.2988" WITH 23" x 28" x 1.625" LOAD PLATE)	15				40 OF 91
516	44101	16	EACH	ELASTOMERIC BEARING WITH INTERNAL LAMINATES AND LOAD PLATE (NEOPRENE), AS PER PLAN (17" x 22" x 2.2988" WITH 23" x 28" x 1.875" LOAD PLATE)	16				40 OF 91
516	44201	30	EACH	ELASTOMERIC BEARING WITH INTERNAL LAMINATES AND LOAD PLATE (NEOPRENE), AS PER PLAN (17" x 22" x 3.3232" WITH 23" x 28" x 1.5625" LOAD PLATE)		30			41 OF 91
516	44201	32	EACH	ELASTOMERIC BEARING WITH INTERNAL LAMINATES AND LOAD PLATE (NEOPRENE), AS PER PLAN (17" x 22" x 3.3232" WITH 23" x 28" x 1.8125" LOAD PLATE)		32			41 OF 91
516	44201	15	EACH	ELASTOMERIC BEARING WITH INTERNAL LAMINATES AND LOAD PLATE (NEOPRENE), AS PER PLAN (17" x 22" x 3.3232" WITH 23" x 28" x 0.5" LOAD PLATE)		15			42 OF 91
516	44201	17	EACH	ELASTOMERIC BEARING WITH INTERNAL LAMINATES AND LOAD PLATE (NEOPRENE), AS PER PLAN (17" x 22" x 3.3232" WITH 23" x 28" x 1.0" LOAD PLATE)		17			42 OF 91
516	44201	7	EACH	ELASTOMERIC BEARING WITH INTERNAL LAMINATES AND LOAD PLATE (NEOPRENE), AS PER PLAN (17" x 22" x 3.3232" WITH 18" x 28" x 3.375" LOAD PLATE)		7			43 OF 91
516	44201	8	EACH	ELASTOMERIC BEARING WITH INTERNAL LAMINATES AND LOAD PLATE (NEOPRENE), AS PER PLAN (17" x 22" x 3.3232" WITH 18" x 28" x 3.875" LOAD PLATE)		8			43 OF 91
516	47000	LUMP		JACKING AND TEMPORARY SUPPORT OF SUPERSTRUCTURE				LUMP	
518	12301	33	EACH	SCUPPERS, INCLUDING SUPPORTS, AS PER PLAN			33		55 OF 91
518	21201	179	CY	POROUS BACKFILL WITH GEOTEXTILE FABRIC, AS PER PLAN	179				32 THRU 39 OF 91
518	40000	307	FT	6" PERFORATED CORRUGATED PLASTIC PIPE	307				
518	40011	136	FT	6" NON-PERFORATED CORRUGATED PLASTIC PIPE, INCLUDING SPECIALS, AS PER PLAN	136				35 AND 39 OF 91
526	25011	693	SY	REINFORCED CONCRETE APPROACH SLABS WITH QC/QA (T=15'), AS PER PLAN				693	83 OF 91
526	90020	160	SY	TYPE B INSTALLATION				160	
607	39900	262	FT	VANDAL PROTECTION FENCE, 6' STRAIGHT, COATED FABRIC			262		



DATE: 7/2017
 REVIEWED: DFT
 DRAWN: GMW
 DESIGNED: GMW
 STRUCTURE FILE NUMBER: 5707056
 CHECKED: CJW

ESTIMATED QUANTITIES
 BRIDGE NO. MOT-75-1044
 OVER THE GREAT MIAMI RIVER AND CARILLON BOULEVARD

MOT-75-(10.44)(10.78)
 PID No. 91606

MADE BY: GMW DATE: 7/16/2017
 CHECKED BY: LAH DATE: 7/17/2017

ESTIMATED QUANTITIES

STRUCTURAL FILE NUMBER: 5707080

ITEM	EXTENSION	TOTAL	UNIT	DESCRIPTION	ABUT.	PIER	SUPER.	GEN.	REFERENCE SHEET NO.
202	11203	LUMP		PORTIONS OF STRUCTURE REMOVED, OVER 20 FOOT SPAN, AS PER PLAN				LUMP	4, 15 TO 21, AND 31 TO 34 OF 57
202	22900	642	SY	APPROACH SLAB REMOVED				642	
503	11100	LUMP		COFFERDAMS AND EXCAVATION BRACING	LUMP				
503	21300	LUMP		UNCLASSIFIED EXCAVATION	LUMP				
505	11100	LUMP		PILE DRIVING EQUIPMENT MOBILIZATION	LUMP				
507	00500	320	FT	12" CAST-IN-PLACE REINFORCED CONCRETE PILES, DRIVEN	320				
507	00550	360	FT	12" CAST-IN-PLACE REINFORCED CONCRETE PILES, FURNISHED	360				
509	10000	209,938	LB	EPOXY COATED REINFORCING STEEL	10,154	4,970	189,448	5,366	
510	10000	716	EACH	DOWEL HOLES WITH NONSHRINK, NONMETALLIC GROUT	390	326			
511	33501	4	EACH	SEMI-INTEGRAL DIAPHRAGM GUIDE, AS PER PLAN	4				43 OF 57
511	34446	819	CY	CLASS QC2 CONCRETE WITH QC/QA, BRIDGE DECK			819		
511	34450	208	CY	CLASS QC2 CONCRETE WITH QC/QA, BRIDGE DECK (PARAPET)			157	51	
511	41010	27	CY	CLASS QC1 CONCRETE, PIER ABOVE FOOTINGS		27			
511	43510	126	CY	CLASS QC1 CONCRETE, ABUTMENT INCLUDING FOOTING	126				
512	10100	1,750	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)	138	641	971		
512	33000	14	SY	TYPE 2 WATERPROOFING	14				
513	10260	725,675	LB	STRUCTURAL STEEL MEMBERS, LEVEL 3			725,675		
513	20000	10,620	EACH	WELDED STUD SHEAR CONNECTORS			10,620		
514	00060	35,834	SF	FIELD PAINTING STRUCTURAL STEEL, INTERMEDIATE COAT			35,834		
514	00066	35,834	SF	FIELD PAINTING STRUCTURAL STEEL, FINISH COAT			35,834		
516	13200	32	SF	1/2" PREFORMED EXPANSION JOINT FILLER	32				
516	13900	48	SF	2" PREFORMED EXPANSION JOINT FILLER	48				
516	14020	273	FT	SEMI-INTEGRAL ABUTMENT EXPANSION JOINT SEAL	273				
516	44101	36	EACH	ELASTOMERIC BEARING WITH INTERNAL LAMINATES AND LOAD PLATE (NEOPRENE), AS PER PLAN (11" x 15" x 2.948" WITH 12" x 16" x 1.5" LOAD PLATE)			36		38 OF 57
516	44201	36	EACH	ELASTOMERIC BEARING WITH INTERNAL LAMINATES AND LOAD PLATE (NEOPRENE), AS PER PLAN (13" x 19" x 3.398" WITH 14" x 20" x 1.5" LOAD PLATE)			36		38 OF 57
518	12301	11	EACH	SCUPPERS, INCLUDING SUPPORTS, AS PER PLAN			11		45 OF 57
518	21200	207	CY	POROUS BACKFILL WITH GEOTEXTILE FABRIC	207				
518	40000	285	FT	6" PERFORATED CORRUGATED PLASTIC PIPE	285				
518	40011	62	FT	6" NON-PERFORATED CORRUGATED PLASTIC PIPE, INCLUDING SPECIALS, AS PER PLAN	62				25 AND 29 OF 57
523	20000	1	EACH	DYNAMIC LOAD TESTING	1				
526	25001	640	SY	REINFORCED CONCRETE APPROACH SLABS (T=15"), AS PER PLAN				640	55 OF 57
526	90020	134	SY	TYPE B INSTALLATION				134	
601	21000	1,081	SY	CONCRETE SLOPE PROTECTION				1,081	
607	39900	406	FT	VANDAL PROTECTION FENCE, 6' STRAIGHT, COATED FABRIC			406		



DATE: 7/2017
 STRUCTURE FILE NUMBER: 5707080

DESIGNED: GMW
 CHECKED: CJW

DRAWN: GMW
 REVISED:

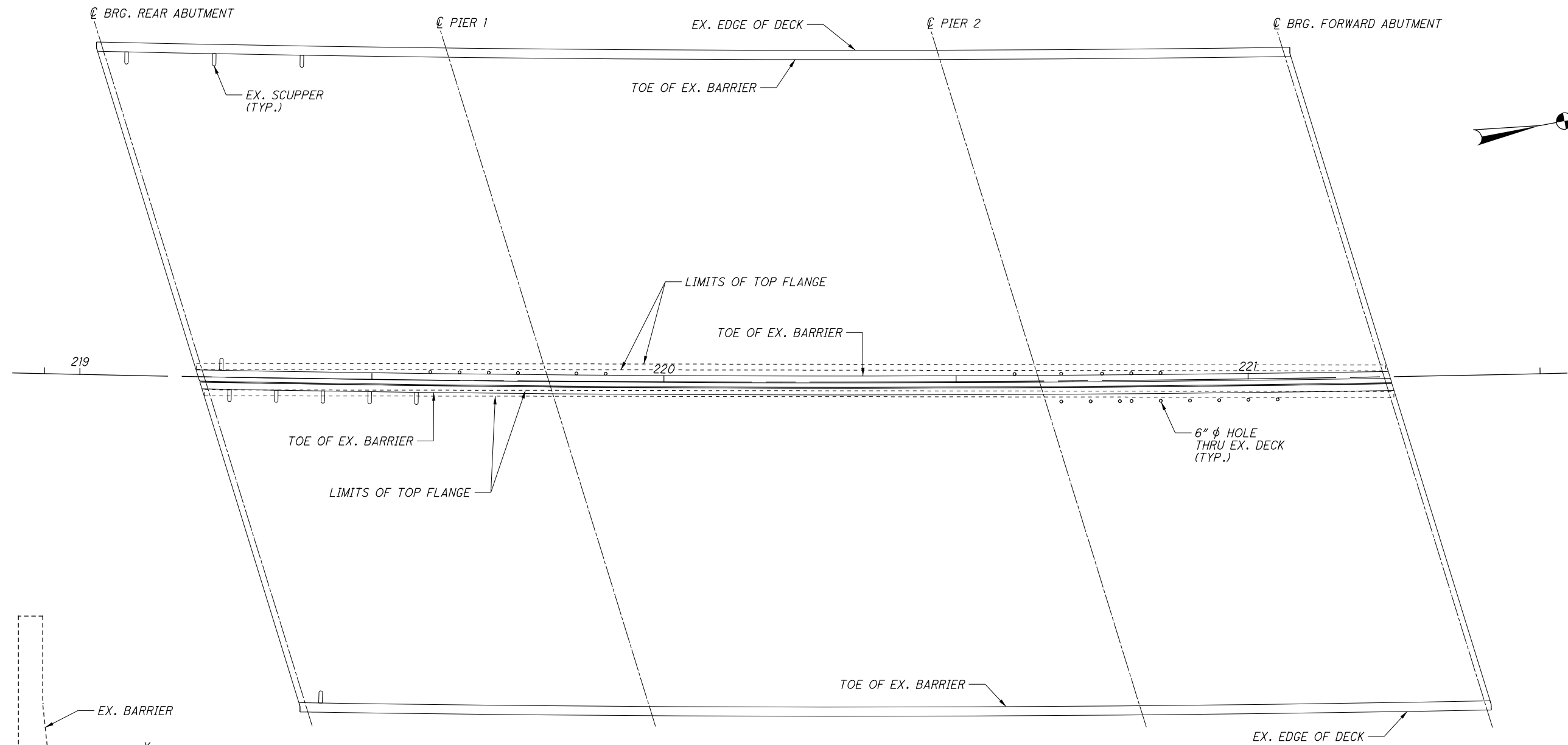
ESTIMATED QUANTITIES
 BRIDGE NO. MOT-75-1078
 OVER EDWIN C. MOSES BOULEVARD

MOT-75-(10.44)(10.78)
 PID No. 91606

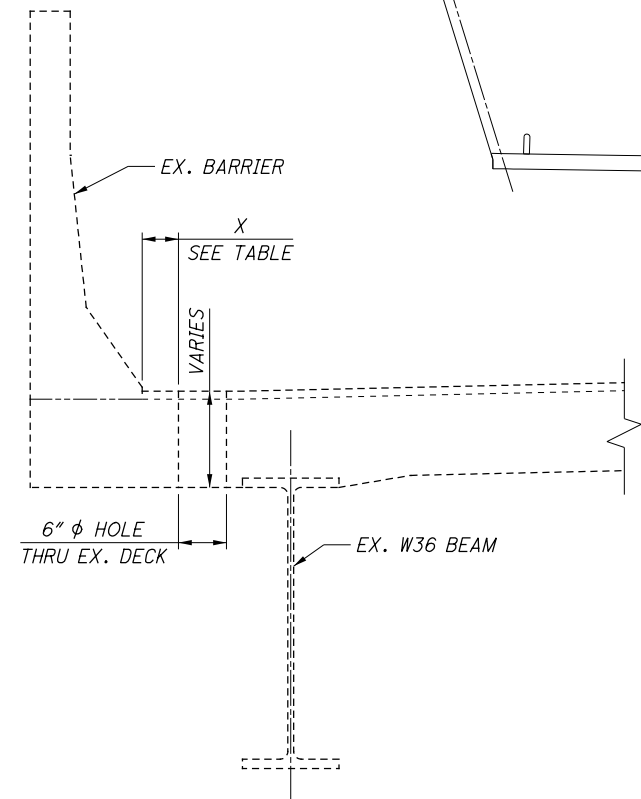
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PLAN - DRAINAGE HOLES THRU EXISTING DECK



TYPICAL HOLE DETAIL

LEFT BRIDGE - INTERIOR SHOULDER		
STATION	FEATURE	X (FT)
220+85	HOLE	0.00
220+80	HOLE	0.00
220+75	HOLE	0.00
220+68	HOLE	0.00
220+60	HOLE	0.00
219+90	HOLE	0.00
219+85	HOLE	0.00
219+75	HOLE	0.00
219+70	HOLE	0.00
219+65	HOLE	0.00
219+60	HOLE	0.00
219+24	EX. SCUPPER	0.00

RIGHT BRIDGE - INTERIOR SHOULDER		
STATION	FEATURE	X (FT)
221+05	HOLE	1.00
221+00	HOLE	1.00
220+95	HOLE	1.00
220+90	HOLE	1.00
220+85	HOLE	1.00
220+80	HOLE	1.00
220+78	HOLE	1.00
220+73	HOLE	1.00
220+68	HOLE	1.00
219+58	EX. SCUPPER	0.00
219+50	EX. SCUPPER	0.00
219+42	EX. SCUPPER	0.00
219+34	EX. SCUPPER	0.00
219+25	EX. SCUPPER	0.00

NOTES:

1. CONTRACTOR SHALL VERIFY EXISTING BEAM POSITION PRIOR TO DRILLING NEW HOLES.
2. ALL HOLES THROUGH THE EXISTING DECK SHALL BE DRILLED DURING PHASE 1. THE CONTRACTOR SHALL ADHERE TO ODOT STANDARD DRAWING MT-95.30 REQUIREMENTS FOR LANE CLOSURE. HOLES SHALL BE PAID FOR UNDER ITEM 202, PORTIONS OF STRUCTURE REMOVED, OVER 20 FOOT SPAN, AS PER PLAN.

HOLES THROUGH EXISTING DECK

BRIDGE NO. MOT-75-1078
OVER EDWIN C. MOSES BOULEVARD

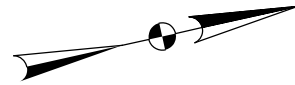
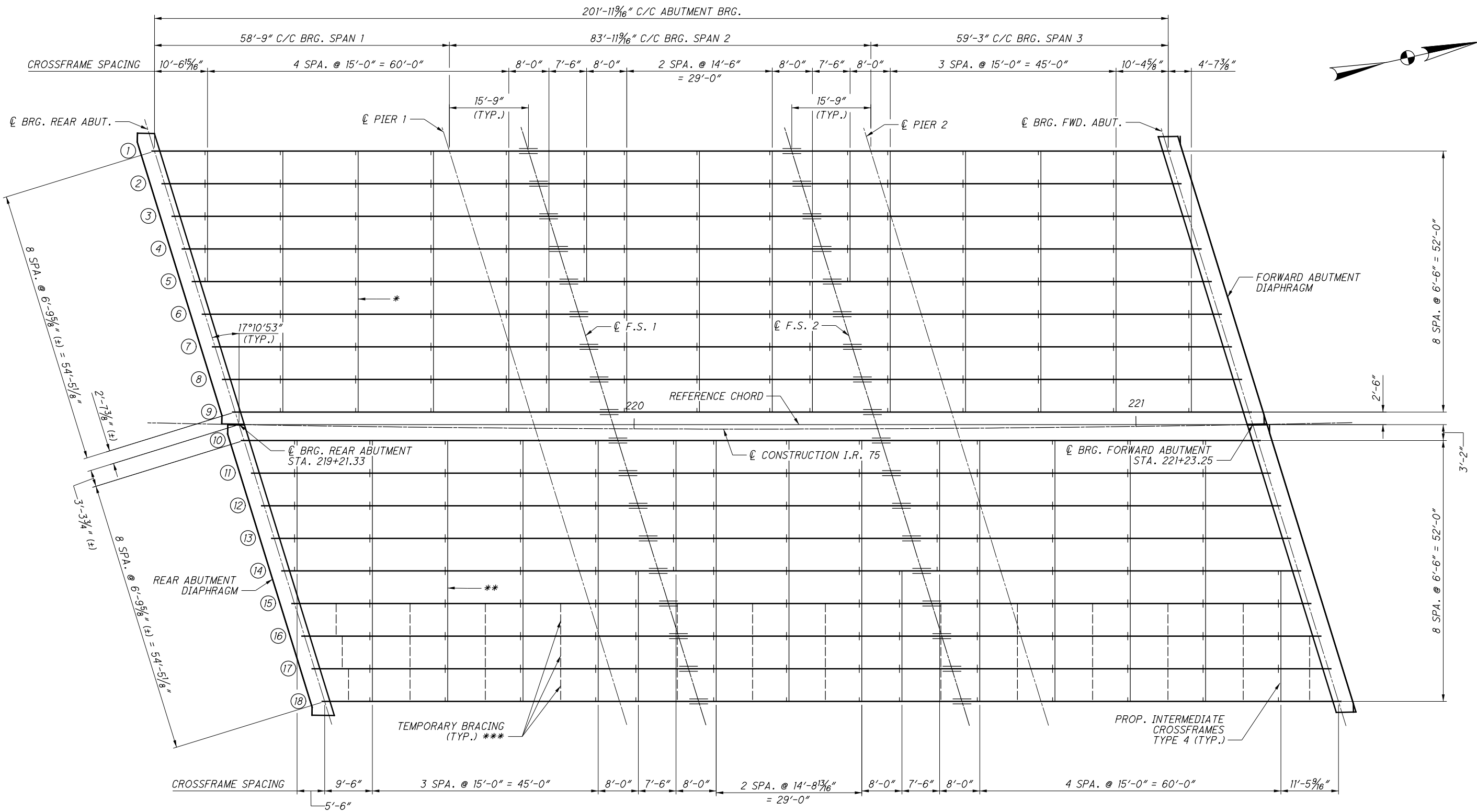
MOT-75-(10.44)(10.78)

PID No. 91606

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LEGEND:

- * - ALL CROSSFRAMES LOCATED IN THE BAY BETWEEN BEAM 5 AND BEAM 6 SHALL BE INSTALLED AFTER THE DECK HAS BEEN POURED IN PHASE 3.
- ** - ALL CROSSFRAMES LOCATED IN THE BAY BETWEEN BEAM 14 AND BEAM 15 SHALL BE INSTALLED AFTER THE DECK HAS BEEN POURED IN PHASE 5.
- *** - PRIOR TO POURING THE DECK DURING PHASE 4 CONSTRUCTION, PROVIDE TEMPORARY LATERAL BRACING BETWEEN THE BOTTOM FLANGES. BRACING SHALL BE PLACED MIDWAY BETWEEN EACH CROSSFRAME IN THE GIRDER BAYS BETWEEN GIRDERS 15 AND 16, GIRDERS 16 AND 17, AND GIRDERS 17 AND 18 AS SHOWN. BRACING SHALL BE DESIGNED FOR 16 KIPS OF COMPRESSIVE FORCE. BRACING SHALL BE PLACED BETWEEN THE FLANGES ORIENTED PERPENDICULAR THE BEAM CENTERLINE.

FRAMING PLAN

NOTES:

1. FOR CROSSFRAME DETAILS, SEE ODOT STANDARD DRAWING GSD-1-96, TYPE 4 INTERMEDIATE BOLTED CROSSFRAME DETAILS, SHEET 1 OF 3.
2. THE CONTRACTOR MAY CHOOSE TO PROVIDE TYPE 3 INTERMEDIATE CROSSFRAMES INSTEAD OF THE TYPE 4 CROSSFRAMES SHOWN IN THE PLANS AT NO ADDITIONAL COST TO THE DISTRICT.
3. ALL CROSSFRAMES SHALL BE INSTALLED FOR A SINGLE PHASE OF CONSTRUCTION PRIOR TO DECK POUR UNLESS NOTED OTHERWISE.
4. ALL BEAMS ARE TO BE PLACED PARALLEL TO THE REFERENCE CHORD.

DESIGNED	GMW	CHECKED	CJW
DRAWN	GMW	REVISED	
REVIEWED	DFT	STRUCTURE FILE NUMBER	5707080
DATE	7/2017		

FRAMING PLAN
BRIDGE NO. MOT-75-1078
OVER EDWIN C. MOSES BOULEVARD

MOT-75-(10.44)(10.78)
PID No. 91606

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