

STATE OF OHIO DEPARTMENT OF TRANSPORTATION

PRE-35/127-2.46/20.49

JACKSON AND MONROE TOWNSHIPS

PREBLE COUNTY

SEE SHEET 2 FOR LOCATION MAPS AND
DESIGN DESIGNATIONS

FEDERAL PROJECT NUMBER

E170 (722)

RAILROAD INVOLVEMENT

NONE

PROJECT DESCRIPTION

IMPROVEMENT OF 0.08 MILE OF US ROUTE 35 AND 0.13 MILES OF STATE ROUTE 127 REPLACE THE EXISTING SUPERSTRUCTURES OF A BRIDGE CARRYING US 35 OVER ELKHORN CREEK AND A BRIDGE CARRYING SR 127 OVER PRICE CREEK WITH SINGLE SPAN COMPOSITE PRESTRESSED BOX BEAM SUPERSTRUCTURE. RESURFACING OF APPROACH PAVEMENT AND REPLACEMENT OF APPROACH GUARDRAIL AT BOTH LOCATIONS

EARTH DISTURBED AREAS

PRE-35-2.46

PROJECT EARTH DISTURBED AREA: 0.09 ACRES
ESTIMATED CONTRACTOR EARTH DISTURBED AREA: 0.13 ACRES
NOTICE OF INTENT EARTH DISTURBED AREA: N/A (NOI NOT REQUIRED)

PRE-127-20.49

PROJECT EARTH DISTURBED AREA: 0.13 ACRES
ESTIMATED CONTRACTOR EARTH DISTURBED AREA: 0.13 ACRES
NOTICE OF INTENT EARTH DISTURBED AREA: N/A (NOI NOT REQUIRED)

2019 SPECIFICATIONS

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

INDEX OF SHEETS:

| | |
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DESIGN EXCEPTIONS

NONE

ADA DESIGN WAIVERS

NONE

UNDERGROUND UTILITIES
Contact Two Working Days
Before You Dig


OHIO811.org
Before You Dig

OHIO811 8-1-1 or 1 800 362-2764
(Non members must be called directly)

PLAN PREPARED BY:
OHIO DEPARTMENT OF TRANSPORTATION
DISTRICT 8 PRODUCTION - BRIDGE OFFICE
505 SOUTH S.R. 741 LEBANON OHIO 45036

ENGINEER'S SEAL:



SIGNED: 
DATE: 8/3/2021

| STANDARD CONSTRUCTION DRAWINGS | | | | SUPPLEMENTAL SPECIFICATIONS | SPECIAL PROVISIONS |
|--------------------------------|---------|-----------|---------|-----------------------------|-----------------------------|
| BP-3.1 | 1/17/20 | TC-65.10 | 1/17/14 | 800-2020 1/15/21 | WATERWAY PERMITS CONDITIONS |
| | | TC-65.11 | 7/21/17 | 818 1/19/18 | PRE-35-2.46 |
| MGS-1.1 | 1/19/18 | | | 821 4/20/12 | DATE: 4/08/21 |
| MGS-2.1 | 1/19/18 | DS-1-92 | 7/18/03 | 832 10/19/18 | WATERWAY PERMITS CONDITIONS |
| MGS-3.1 | 1/19/18 | PSBD-2-07 | 7/20/18 | 846 4/17/15 | PRE-127-20.49 |
| MGS-4.2 | 7/19/13 | TST-1-99 | 7/20/18 | | DATE: 8/06/21 |
| MGS-4.3 | 1/18/13 | | | | |
| MGS-5.3 | 7/15/16 | MT-96.11 | 4/17/20 | | |
| | | MT-96.20 | 7/15/16 | | |
| RM-4.2 | 4/17/20 | MT-96.26 | 1/18/19 | | |
| | | MT-97.10 | 4/19/19 | | |
| | | MT-101.60 | 1/17/20 | | |
| | | MT-101.70 | 1/17/20 | | |
| | | MT-101.75 | 1/17/20 | | |
| | | MT-105.10 | 1/17/20 | | |

I HEREBY APPROVE THESE PLANS AND DECLARE THAT THE MAKING OF THIS IMPROVEMENT WILL NOT REQUIRE THE CLOSING TO TRAFFIC OF THE HIGHWAY EXCEPT AS NOTED ON SHEET 3, AND THAT PROVISIONS FOR THE MAINTENANCE AND SAFETY OF TRAFFIC WILL BE AS SET FORTH ON THE PLANS AND ESTIMATES.

APPROVED 
DATE: 8-3-2021 DISTRICT DEPUTY DIRECTOR

APPROVED _____
DATE _____ DIRECTOR, DEPARTMENT OF TRANSPORTATION

TITLE SHEET

DESIGN AGENCY



DESIGNER
GTf

REVIEWER
JAO MM-DD-YY

PROJECT ID
102780

SHEET TOTAL
1 31

PRE-35/127-2.46/20.49

MODEL SHEET PAPER SIZE: 17x11 (in.) DATE: 8/3/2021 TIME: 8:16:30 AM USER: gfreeman
p:\ohio\dot-pw\benley.com\ohio\dot-pw\02\Documents\01 Active Projects\District 8\Preble\102780\400-Engineering\Roadway\Sheets\102780_GT001.dgn

ITEM 614, MAINTAINING TRAFFIC

ON US 35 A MINIMUM OF ONE LANE OF TRAFFIC IN EACH DIRECTION SHALL BE MAINTAINED AT ALL TIMES EXCEPT FOR A PERIOD NOT EXCEED 60 CONSECUTIVE CALENDER DAYS , WHEN TWO WAY ONE LANE TRAFFIC WILL BE MAINTAINED THROUGH THE USE OF TEMPORARY TRAFFIC SIGNALS. SIGNALS SHALL BE OVERHEAD MOUNTED IN ACCORDANCE WITH THE DETAILS SOWN ON TRAFFIC SCD MT-96.20. A DISINCENTIVE SHALL BE ASSESSED IN THE AMOUNT OF \$3,900 FOR EACH DAY THE ROADWAY TRAFFIC IS NOT MAINTAINED IN ITS ORIGINAL CONFIGURATION BEYOND THE SPECIFIED LIMIT.

ON US 127 A MINIMUM OF ONE LANE OF TRAFFIC IN EACH DIRECTION SHALL BE MAINTAINED AT ALL TIMES, EXCEPT FOR A PERIOD NOT EXCEED 30 CONSECUTIVE CALENDER DAYS , WHEN THROUGH TRAFFIC MAY BE DETOURED AS SHOWN ON SHEET 6. A DISINCENTIVE SHALL BE ASSESSED IN THE AMOUNT OF \$3,900 FOR EACH DAY THE ROADWAY TRAFFIC IS NOT MAINTAINED IN ITS ORIGINAL CONFIGURATION BEYOND THE SPECIFIED LIMIT.

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.

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

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

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

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

ITEM 622 - PORTABLE CONCRETE BARRIER

THE FOLLOWING ESTIMATED QUANTITIES FOR ITEM 622 - PORTABLE CONCRETE BARRIER HAVE BEEN CARRIED TO THE GENERAL SUMMARY. PLACE BARRIER FOR THE PRE-35-2.46 LOCATION AS SHOWN IN THE MAINTANCE OF TRAFFIC PLAN AND PHASE CONSTRUCTION DETAILS FOR STRUCTURE No.: PRE-35-0246. PLACE BARRIER AT THE PRE-127-20.49 LOCATION PER S.C.D. MT-96.11 AND AS SHOWN IN THE PHASE CONSTRUCTION DETAILS FOR STRUCTURE No.: PRE-127-2049.

PRE-35-0246
PORTABLE BARRIER, UNANCHORED..... 430 FT

NOTIFICATION OF TRAFFIC RESTRICTIONS

THROUGHOUT THE DURATION OF THE PROJECT, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IN WRITING OF ALL TRAFFIC RESTRICTIONS AND UPCOMING MAINTENANCE OF TRAFFIC CHANGES. THE CONTRACTOR SHALL ENSURE THE WRITTEN NOTIFICATION IS SUBMITTED IN A TIMELY MANNER TO ALLOW THE PROJECT ENGINEER TO MEET THE REQUIRED TIME FRAMES SET FORTH IN THE TABLE BELOW TO INFORM THE LISTED CONTACTS.

THIS NOTIFICATION SHALL BE RECEIVED BY THE PROJECT ENGINEER PRIOR TO THE PHYSICAL SETUP OF ANY APPLICABLE SIGNS OR MESSAGE BOARDS. INFORMATION SHOULD INCLUDE, BUT IS NOT LIMITED TO, ALL CONSTRUCTION ACTIVITIES THAT IMPACT OR INTERFERE WITH TRAFFIC AND SHALL LIST THE SPECIFIC LOCATION, TYPE OF WORK, ROAD STATUS, DATE AND TIME OF RESTRICTION, DURATION OF RESTRICTION, NUMBER OF LANES MAINTAINED, NUMBER OF LANES CLOSED, MINIMUM VERTICAL CLEARANCE, MINIMUM WIDTH OF DRIVABLE PAVEMENT, DETOUR ROUTES, IF APPLICABLE, AND ANY OTHER INFORMATION REQUESTED BY THE PROJECT ENGINEER.

| NOTIFICATION TIME TABLE | | |
|---|------------------------|--|
| ITEM | DURATION OF CLOSURE | NOTICE DUE TO LISTED CONTACTS |
| RAMP & ROAD CLOSURES | >= 2 WEEKS | 21 CALENDAR DAYS PRIOR TO CLOSURE |
| | > 12 HOURS & < 2 WEEKS | 14 CALENDAR DAYS PRIOR TO CLOSURE |
| | < 12 HOURS | 4 BUSINESS DAYS PRIOR TO CLOSURE |
| LANE CLOSURES & RESTRICTIONS | >= 2 WEEKS | 14 CALENDAR DAYS PRIOR TO CLOSURE |
| | < 2 WEEKS | 5 BUSINESS DAYS PRIOR TO CLOSURE |
| START OF CONSTRUCTION & TRAFFIC PATTERN CHANGES | N/A | 14 CALENDAR DAYS PRIOR TO IMPLEMENTATION |

ANY UNFORESEEN CONDITIONS NOT SPECIFIED IN THE PLANS REQUIRING TRAFFIC RESTRICTIONS SHALL ALSO BE REPORTED TO THE PROJECT ENGINEER USING THE NOTIFICATION TIME TABLE.

CONTACT THE FOLLOWING:
-DISTRICT PUBLIC INFORMATION OFFICER BY EMAIL AT DOT.D08.PIO@DOT.OHIO.GOV
-DISTRICT PERMIT SECTION BY EMAIL AT D08.PERMITS@DOT.OHIO.GOV
-CENTRAL OFFICE SPECIAL HAUL PERMITS SECTION BY EMAIL AT HAULING.PERMITS@DOT.OHIO.GOV

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 FEET 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 (BI-DIRECTIONAL) 38 EACH

ITEM 614, OBJECT MARKER, TWO-WAY 38 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.

ITEM 614, WORK ZONE IMPACT ATTENUATOR FOR 24" WIDE HAZARDS (BIDIRECTIONAL)

THIS ITEM SHALL CONSIST OF FURNISHING AND INSTALLING A NON-GATING IMPACT ATTENUATOR. FURNISH AN IMPACT ATTENUATOR FROM THE OFFICE OF ROADWAY ENGINEERING'S APPROVED LIST FOR WORK ZONE IMPACT ATTENUATORS, FROM THE ROADWAY STANDARDS APPROVED PRODUCTS WEB PAGE. INSTALLATION SHALL BE AT THE LOCATIONS SPECIFIED IN THE PLANS IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS.

THE CONTRACTOR SHALL REPAIR OR REPLACE A DAMAGED UNIT WITHIN 24 HOURS OF A DAMAGING IMPACT. WHEN BIDIRECTIONAL DESIGNS ARE SPECIFIED, THE CONTRACTOR SHALL SUPPLY APPROPRIATE TRANSITIONS. WHEN GATING IMPACT ATTENUATORS ARE DESIRED, THE CONTRACTOR SHALL SUBMIT DOCUMENTATION TO THE ENGINEER FOR ACCEPTANCE.

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

WORK ZONE MARKINGS AND SIGNS

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY FOR USE AT LOCATIONS IDENTIFIED BY THE ENGINEER FOR WORK ZONE PAVEMENT MARKINGS AND SIGNS PER THE REQUIREMENTS OF C&MS 614.04 AND 614.11.

PRE-35-0246
WORK ZONE STOP LINE, CLASS 1, 740.06, TYPE 1..... 36 FT
WORK ZONE EDGE LINE, CLASS 1, 4", 740.06, TYPE 1..... 0.13 MI
WORK ZONE CENTER LINE, CLASS I, 740.06, TYPE 1..... 0.19 MI

FLOODLIGHTING

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

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

ROADS FOR MAINTAINING TRAFFIC (LOCAL DETOUR ROUTE)

IN ADDITION TO THE OFFICIAL, SIGNED DETOUR ROUTE, A LOCAL ROUTE HAS BEEN DETERMINED TO BE THE SECONDARY, UNSIGNED DETOUR ROUTE OR "DESIGNATED LOCAL DETOUR ROUTE." THIS ROUTE IS SHOWN ON SHEET 6. DURING THE TIME THAT TRAFFIC IS DETOURED, THE CONTRACTOR SHALL MAINTAIN THIS ROUTE IN A CONDITION WHICH IS REASONABLY SMOOTH AND FREE FROM HOLES, RUTS, RIDGES, BUMPS, DUST AND STANDING WATER. ONCE THE DETOUR IS REMOVED AND TRAFFIC RETURNED TO ITS NORMAL PATTERN, THE DESIGNATED LOCAL DETOUR ROUTE SHALL BE RESTORED TO A CONDITION THAT IS EQUIVALENT TO THAT WHICH EXISTED PRIOR TO ITS USE FOR THIS PURPOSE. ALL SUCH WORK SHALL BE PERFORMED WHEN AND AS DETERMINED BY THE ENGINEER.

ALL MATERIALS, LABOR, ETC. FOR MAINTAINING THE LOCAL DETOUR ROUTE ARE TO BE INCLUDED IN THE LUMP SUM ITEM 615, ROADS FOR MAINTAINING TRAFFIC

DESIGN AGENCY

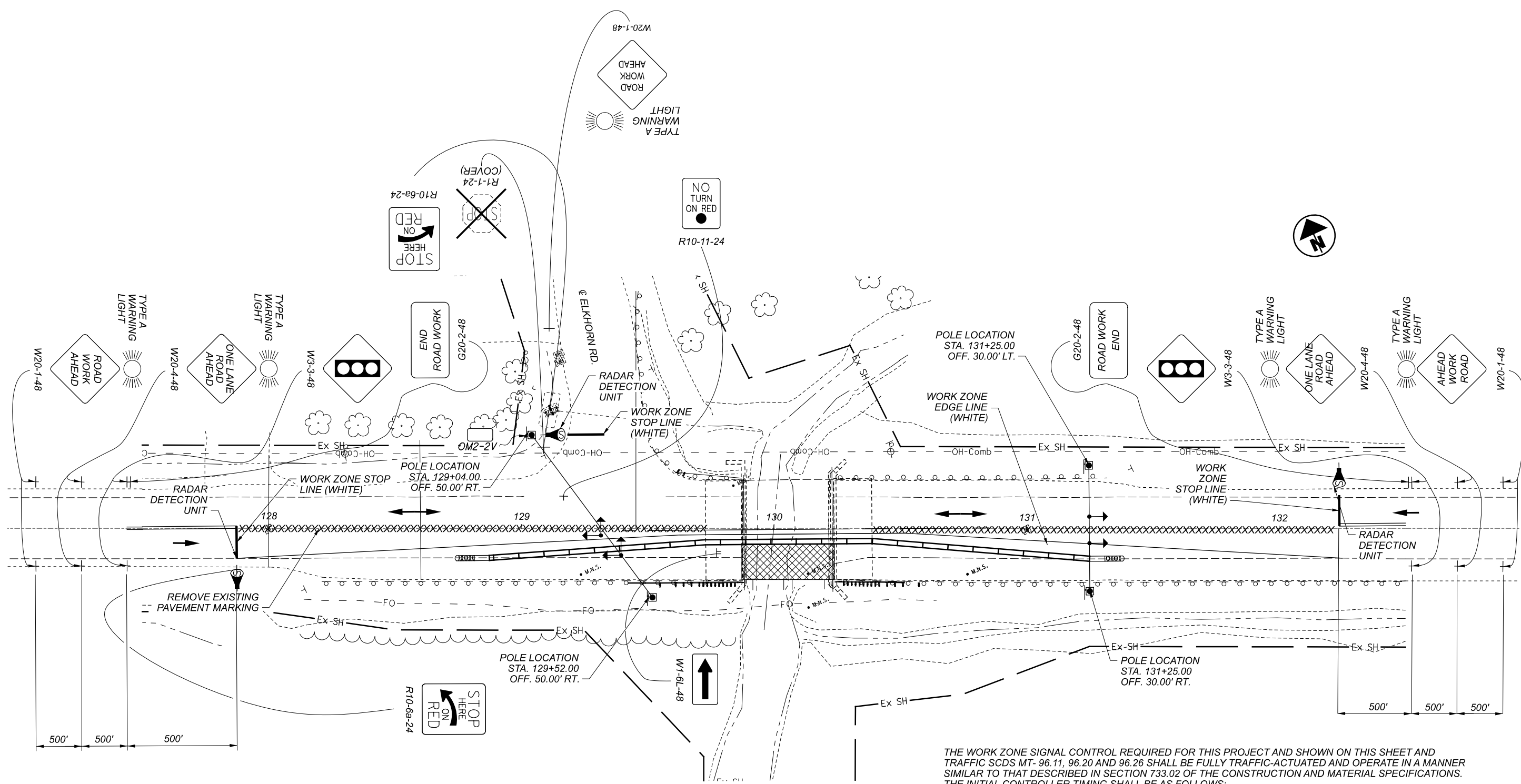


DESIGNER
GTF

REVIEWER
SK

PROJECT ID
102780

SHEET TOTAL
3 | 31



THE WORK ZONE SIGNAL CONTROL REQUIRED FOR THIS PROJECT AND SHOWN ON THIS SHEET AND TRAFFIC SCDS MT- 96.11, 96.20 AND 96.26 SHALL BE FULLY TRAFFIC-ACTUATED AND OPERATE IN A MANNER SIMILAR TO THAT DESCRIBED IN SECTION 733.02 OF THE CONSTRUCTION AND MATERIAL SPECIFICATIONS. THE INITIAL CONTROLLER TIMING SHALL BE AS FOLLOWS:

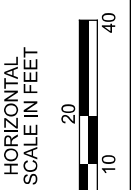
| | PHASE | | | | | |
|------------|-------------------------------|---------------------------|-------------------------------|---------------------------|-------------------------------|------------------|
| | 1 (ALL RED) DUMMY PHASE | 2 US 35 (EASTBOUND) | 3 (ALL RED) DUMMY PHASE | 4 US 35 (WESTBOUND) | 5 (ALL RED) DUMMY PHASE | 6 ELKHORN RD. |
| MIN. GREEN | | 20 | | 20 | | 5 |
| EXTENSION | | 3 | | 3 | | 3 |
| MAX. GREEN | | 30 | | 30 | | 15 |
| YELLOW | | 4 | | 4 | | 4 |
| ALL RED | X | 12 | X | 12 | X | 12 |
| RECALL | OFF | ON | OFF | OFF | OFF | OFF |

THE CONTRACTOR SHALL ALSO DESIGN, FURNISH, INSTALL AND MAINTAIN A TRAFFIC DETECTOR ON EACH TRAFFIC APPROACH WHICH WILL RELIABLY DETECT ALL LEGAL TRAFFIC APPROACHING (BUT NOT LEAVING) THE SIGNAL AS IT PASSES OR WAITS IN THE DESIGNATED DETECTOR ZONE SHOWN IN THE PLANS. DETECTOR DESIGNS WHICH DO NOT PROVIDE RELIABLE DETECTION, FREE FROM FALSE CALLS, SHALL BE IMMEDIATELY REPLACED BY THE CONTRACTOR.

LEGEND

| | |
|-------------------------|---------|
| DRUMS | ○○○○○ |
| COVER EXISTING MARKINGS | XXXXXXX |
| DIRECTION OF TRAVEL | → |
| TYPE 3 BARRICADE | ▬ |
| TYPE 1 BARRICADE | ≡ |
| TEMP. TRAFFIC SIGNAL | ⬇ |
| WORK ZONE | ▨ |

NOTES:
 1) REFER TO SCD MT-96.11 AND SCD MT-96.20 FOR ADDITIONAL INFORMATION.



**MAINTENANCE OF TRAFFIC PLAN
 PRE-35-2.46 PHASE 1**

DESIGN AGENCY

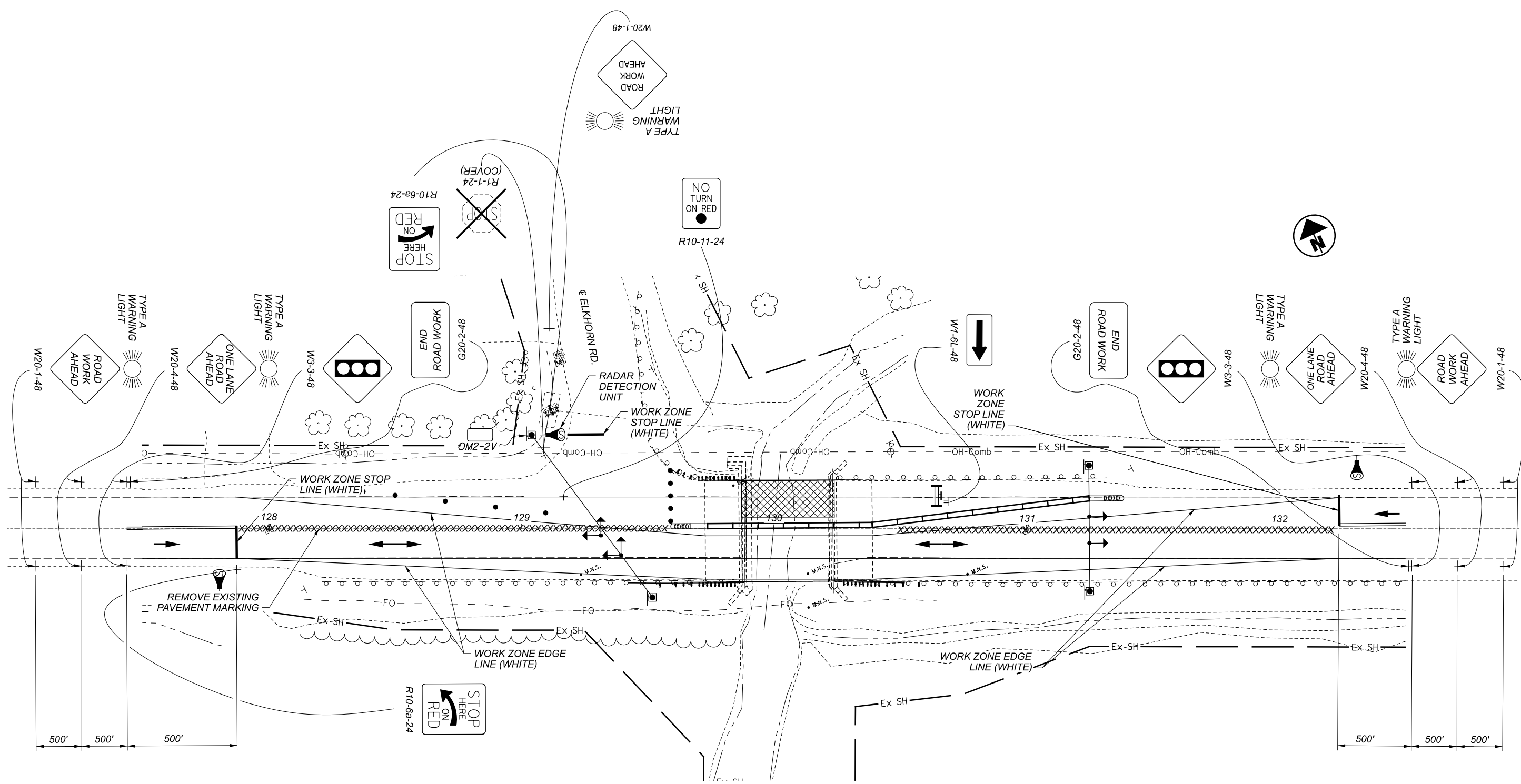


DESIGNER
 GTF

REVIEWER
 SK

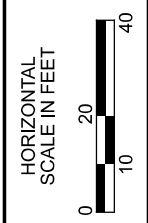
PROJECT ID
 102780

SHEET TOTAL
 4 31



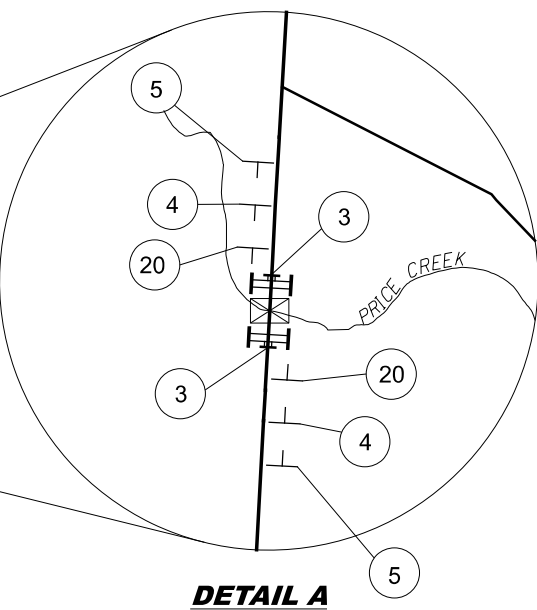
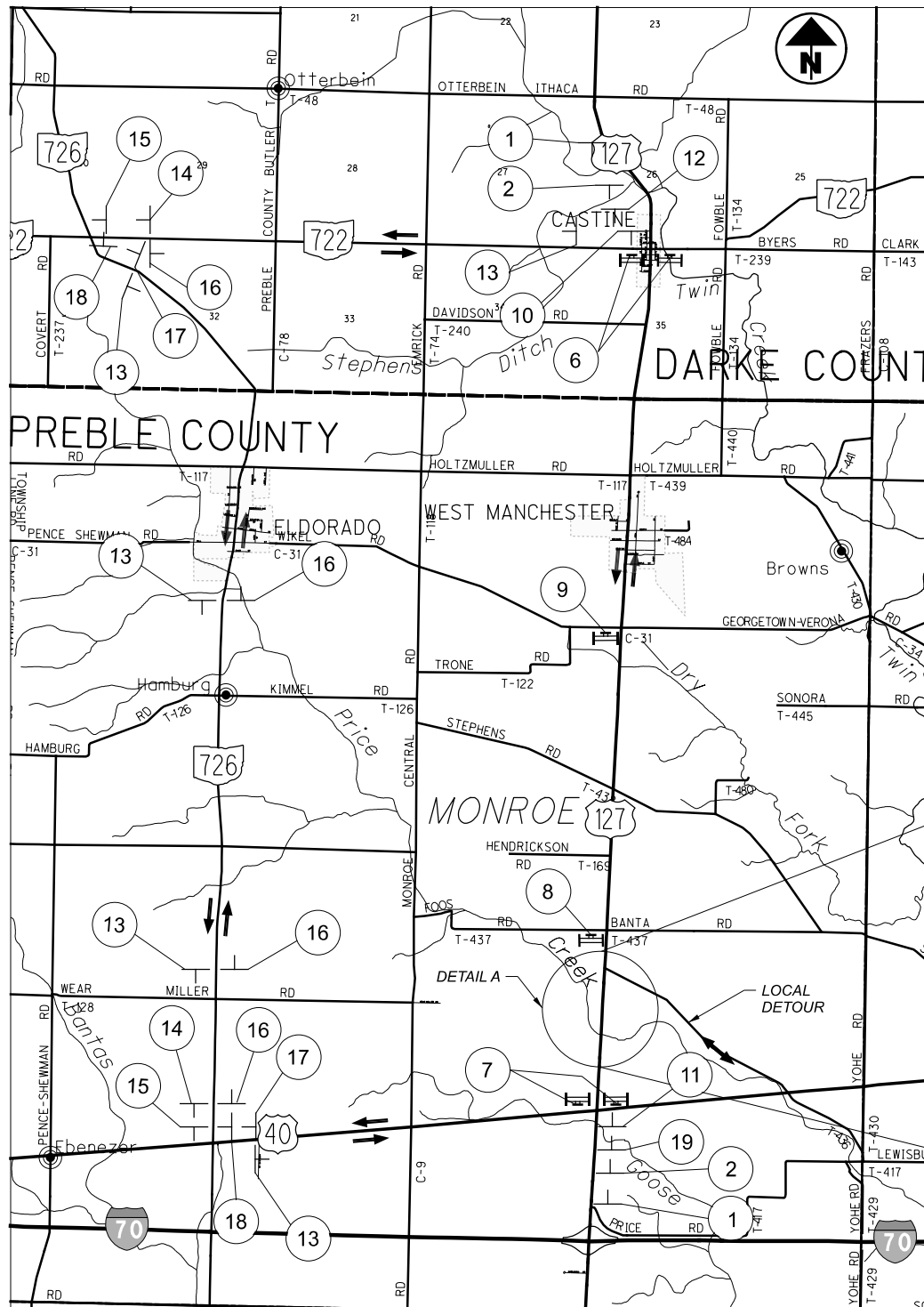
| LEGEND | |
|-------------------------|-----------|
| DRUMS | ○ ○ ○ ○ ○ |
| COVER EXISTING MARKINGS | XXXXXXX |
| DIRECTION OF TRAVEL | → |
| TYPE 3 BARRICADE | ▬ |
| TYPE 1 BARRICADE | ≡ |
| TEMP. TRAFFIC SIGNAL | ⬇ |
| WORK ZONE | ▨ |

- NOTES:**
- 1) REFER TO SCD MT-96.11 AND SCD MT-96.20 FOR ADDITIONAL INFORMATION.
 - 2) SEE SHEET 4 FOR SIGNAL TIMING AND POLE PLACEMENT LOCATIONS



**MAINTENANCE OF TRAFFIC PLAN
 PRE-35-2.46 PHASE 2**

| | |
|---------------|--------|
| DESIGN AGENCY | |
| DESIGNER | GTF |
| REVIEWER | SK |
| PROJECT ID | 102780 |
| SHEET | 5 |
| TOTAL | 31 |



DETAIL A

1 ROAD CLOSED AHEAD W20-3-36

2 DETOUR 1500 FT W20-2-36

3 ROAD CLOSED ROAD CLOSED 2 SIGNS PER DIRECTION ON TYPE III BARRICADES W/TYPE B FLASHING WARNING LIGHT PER SIGN

4 ROAD CLOSED 1000 FT W20-3-36

5 ROAD WORK AHEAD WITH TYPE A WARNING LIGHT W20-1-36

6 ROAD CLOSED 5 1/4 MILES AHEAD LOCAL TRAFFIC ONLY R11-3a-60 M4-10R-48 ON TYPE III BARRICADES

7 ROAD CLOSED 1/2 MILES AHEAD LOCAL TRAFFIC ONLY R11-3a-60 M4-10L-48 ON TYPE III BARRICADES

8 ROAD CLOSED 3/4 MILES AHEAD LOCAL TRAFFIC ONLY R11-3a-60

9 ROAD CLOSED 2 3/4 MILES AHEAD LOCAL TRAFFIC ONLY R11-3a-60

10 DETOUR SOUTH M4-8-24 M3-3-24 M1-4-30-3 M6-1-21

11 DETOUR NORTH M4-8-24 M3-3-24 M1-4-30-3 M6-1-21

12 DETOUR SOUTH M4-8-24 M3-3-24 M1-4-30-3 M5-1-21

13 DETOUR SOUTH M4-8-24 M3-3-24 M1-4-30-3

14 DETOUR SOUTH M4-8-24 M3-3-24 M1-4-30-3 M5-1-21

15 DETOUR SOUTH M4-8-24 M3-3-24 M1-4-30-3 M6-1-21

16 DETOUR NORTH M4-8-24 M3-3-24 M1-4-30-3

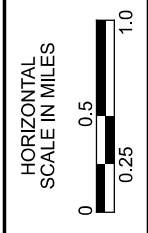
17 DETOUR NORTH M4-8-24 M3-3-24 M1-4-30-3 M5-1-21

18 DETOUR NORTH M4-8-24 M3-3-24 M1-4-30-3 M6-1-21

19 DETOUR NORTH M4-8-24 M3-3-24 M1-4-30-3 M5-1-21

20 ROAD CLOSED 500 FT W20-3-36


| LEGEND | |
|--------|-------------------------|
| | PROPOSED SIGN |
| | BARRICADE |
| | SIGN NUMBER |
| | WORK AREA |
| | LOCAL DETOUR ROUTE |
| | DESIGNATED DETOUR ROUTE |



DETOUR PLAN

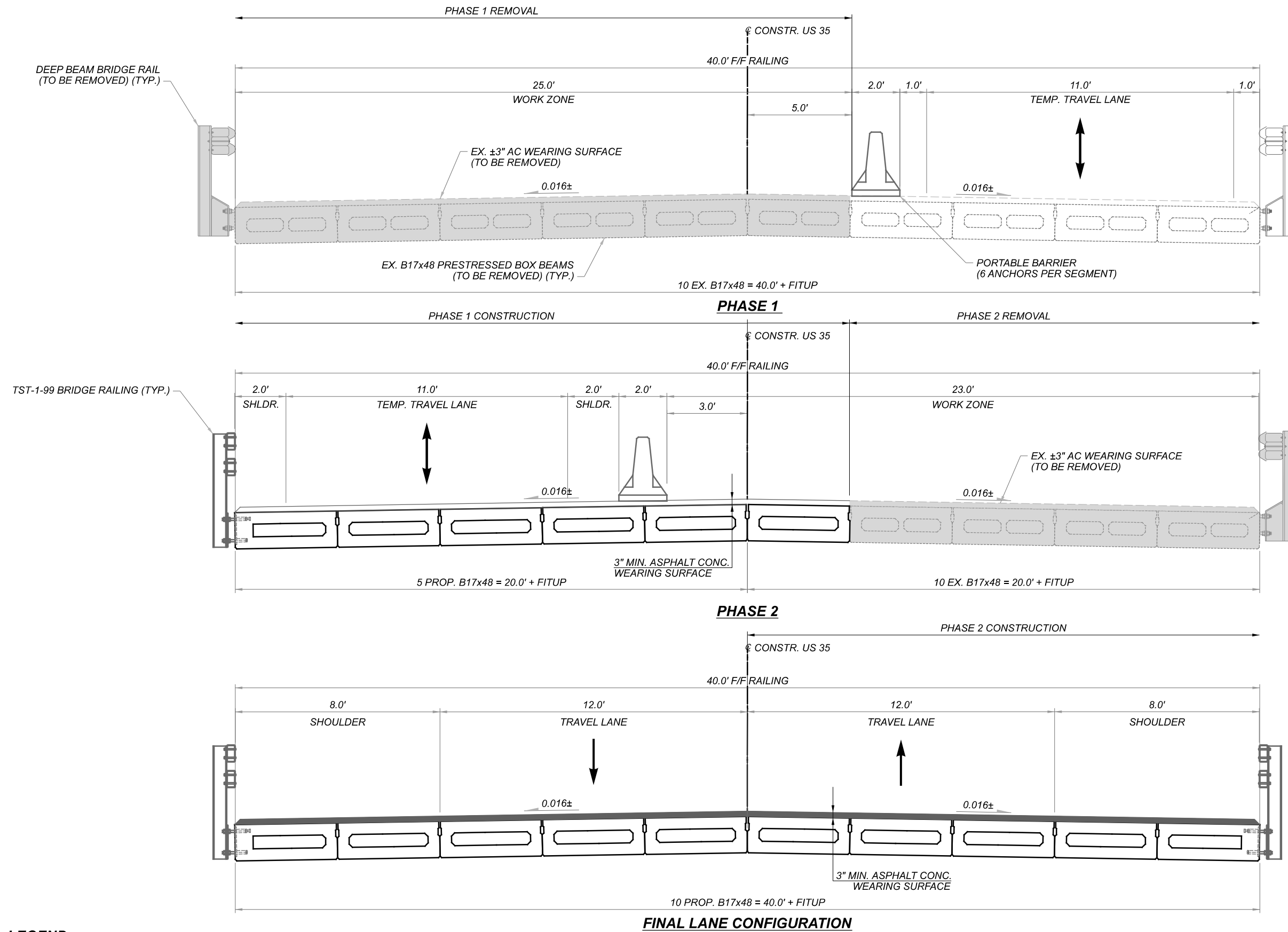
| SHEET NUM. | | | | | | | | | | | PART. | ITEM | ITEM | GRAND | UNIT | DESCRIPTION | SEE SHEET NO. |
|--|------|-------|-------|--|--|--|--|--|--|--|-----------|---------|----------|-------|------|--|---------------|
| 3 | 4 | 8 | 9 | | | | | | | | 01/STR/BR | EXT | TOTAL | | | | |
| ROADWAY | | | | | | | | | | | | | | | | | |
| LUMP | | | 1,425 | | | | | | | | LUMP | 201 | 11001 | LS | | CLEARING AND GRUBBING, AS PER PLAN | 3 |
| | | | 4 | | | | | | | | 1,425 | 202 | 38000 | 1,425 | FT | GUARDRAIL REMOVED | |
| | | | 4 | | | | | | | | 4 | 202 | 42001 | 4 | EACH | ANCHOR ASSEMBLY REMOVED, TYPE A, AS PER PLAN | 3 |
| | | | 4 | | | | | | | | 4 | 202 | 42010 | 4 | EACH | ANCHOR ASSEMBLY REMOVED, TYPE E | |
| | | | 2 | | | | | | | | 2 | 202 | 42040 | 2 | EACH | ANCHOR ASSEMBLY REMOVED, TYPE T | |
| | | | 6 | | | | | | | | 6 | 202 | 47000 | 6 | EACH | BRIDGE TERMINAL ASSEMBLY REMOVED | |
| | | 1 | | | | | | | | | 1 | 209 | 15050 | 1 | MILE | RESHAPING UNDER GUARDRAIL | |
| | | | 1,425 | | | | | | | | 1,425 | 606 | 15100 | 1,425 | FT | GUARDRAIL, TYPE MGS WITH LONG POSTS | |
| | | | 8 | | | | | | | | 8 | 606 | 26150 | 8 | EACH | ANCHOR ASSEMBLY, MGS TYPE E (NCHRP 350 OR MASH 2016) | |
| | | | 2 | | | | | | | | 2 | 606 | 26550 | 2 | EACH | ANCHOR ASSEMBLY, MGS TYPE T | |
| | | | 8 | | | | | | | | 8 | 606 | 35002 | 8 | EACH | MGS BRIDGE TERMINAL ASSEMBLY, TYPE 1 | |
| | | | | | | | | | | | LUMP | 878 | 25000 | LS | | INSPECTION AND COMPACTION TESTING OF UNBOUND MATERIALS | |
| EROSION CONTROL | | | | | | | | | | | | | | | | | |
| 1,000 | | | | | | | | | | | 1,000 | 659 | 10000 | 1,000 | SY | SEEDING AND MULCHING | |
| 0.1 | | | | | | | | | | | 0.1 | 659 | 20000 | 0.1 | TON | COMMERCIAL FERTILIZER | |
| 0.2 | | | | | | | | | | | 0.2 | 659 | 31000 | 0.2 | ACRE | LIME | |
| 5 | | | | | | | | | | | 5 | 659 | 35000 | 5 | MGAL | WATER | |
| | | | | | | | | | | | 5,000 | 832 | 30000 | 5,000 | EACH | EROSION CONTROL | |
| ENVIRONMENTAL / REMEDIATION | | | | | | | | | | | | | | | | | |
| LUMP | | | | | | | | | | | LUMP | SPECIAL | 69098400 | LS | | MISC.: WORK INVOLVING ASBESTOS CONTAINING MATERIALS | 3 |
| PAVEMENT | | | | | | | | | | | | | | | | | |
| | | 399 | | | | | | | | | 399 | 202 | 23500 | 399 | SY | WEARING COURSE REMOVED | |
| | | 2,679 | | | | | | | | | 2,679 | 254 | 01000 | 2,679 | SY | PAVEMENT PLANING, ASPHALT CONCRETE (T=1.5") | |
| | | 256 | | | | | | | | | 256 | 407 | 20000 | 256 | GAL | NON-TRACKING TACK COAT | |
| | | 127 | | | | | | | | | 127 | 441 | 50000 | 127 | CY | ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG64-22 | |
| | | 40 | | | | | | | | | 40 | 441 | 50200 | 40 | CY | ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, (448) (VARIABLE FROM 0" TO 3") | |
| TRAFFIC CONTROL | | | | | | | | | | | | | | | | | |
| 46 | | | | | | | | | | | 46 | 626 | 00110 | 46 | EACH | BARRIER REFLECTOR, TYPE 2 (BI-DIRECTIONAL) | |
| 11 | | | | | | | | | | | 11 | 621 | 00100 | 11 | EACH | RPM | |
| 11 | | | | | | | | | | | 11 | 621 | 54000 | 11 | EACH | RAISED PAVEMENT MARKER REMOVED | |
| 2 | | | | | | | | | | | 2 | 630 | 84900 | 2 | EACH | REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL | |
| 2 | | | | | | | | | | | 2 | 630 | 86002 | 2 | EACH | REMOVAL OF GROUND MOUNTED POST SUPPORT AND DISPOSAL | |
| 0.44 | | | | | | | | | | | 0.44 | 645 | 00116 | 0.44 | MILE | EDGE LINE, 6", TYPE A3 | |
| 0.22 | | | | | | | | | | | 0.22 | 645 | 00310 | 0.22 | MILE | CENTER LINE, TYPE A3 | |
| 0.04 | | | | | | | | | | | 0.04 | 646 | 10010 | 0.04 | MILE | EDGE LINE, 6" | |
| 0.02 | | | | | | | | | | | 0.02 | 646 | 10200 | 0.02 | MILE | CENTER LINE | |
| STRUCTURE OVER 20 FOOT SPAN (PRE-35-0246 SFN: 6800076) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | 12 |
| STRUCTURE OVER 20 FOOT SPAN (PRE-127-2049 SFN: 6802796) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | 22 |
| MAINTENANCE OF TRAFFIC | | | | | | | | | | | | | | | | | |
| | 4 | | | | | | | | | | 4 | 614 | 12384 | 4 | EACH | WORK ZONE IMPACT ATTENUATOR, 24" WIDE HAZARDS, (BIDIRECTIONAL) | |
| | 0.13 | | | | | | | | | | 0.13 | 614 | 22210 | 0.13 | MILE | WORK ZONE EDGE LINE, CLASS I, 6", 740.06, TYPE I | |
| | 36 | | | | | | | | | | 36 | 614 | 26400 | 36 | FT | WORK ZONE STOP LINE, CLASS I, 740.06, TYPE I | |
| | 0.19 | | | | | | | | | | 0.19 | 614 | 21550 | 0.19 | MILE | WORK ZONE CENTER LINE, CLASS III, 642 PAINT | |
| | 430 | | | | | | | | | | 430 | 622 | 41100 | 430 | FT | PORTABLE BARRIER, UNANCHORED | |
| | 40 | | | | | | | | | | 40 | 622 | 41110 | 40 | FT | PORTABLE BARRIER, ANCHORED | |
| | 12 | | | | | | | | | | 12 | 614 | 13310 | 12 | EACH | BARRIER REFLECTOR, TYPE 1 (BI-DIRECTIONAL) | |
| | 12 | | | | | | | | | | 12 | 614 | 13360 | 12 | EACH | OBJECT MARKER, TWO WAY | |
| | | | | | | | | | | | LUMP | 615 | 10000 | LS | | ROADS FOR MAINTAINING TRAFFIC | 3 |
| INCIDENTALS | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | LUMP | 614 | 11000 | LS | | MAINTAINING TRAFFIC | |
| | | | | | | | | | | | LUMP | 623 | 10000 | LS | | CONSTRUCTION LAYOUT STAKES AND SURVEYING | |
| | | | | | | | | | | | LUMP | 624 | 10000 | LS | | MOBILIZATION | |

GENERAL SUMMARY


DESIGN AGENCY

 DESIGNER: GTF
 REVIEWER: JAO
 PROJECT ID: 102780
 SHEET: 8 TOTAL: 31

LEGEND

 - ITEM 202, PORTIONS OF STRUCTURE REMOVED, OVER 20 FOOT SPAN



PHASE CONSTRUCTION DETAILS
 BRIDGE No.: PRE-35-0246
 U.S. 35 OVER ELKHORN CREEK

| | |
|------------------|---|
| SFN | 6800076 |
| DESIGN AGENCY |  |
| DESIGNER/CHECKER | GTF |
| REVIEWER | CAH |
| PROJECT ID | 102780 |
| SUBSET | 3 |
| TOTAL | 10 |
| SHEET | 14 |
| TOTAL | 31 |