**ITEM 878 - INSPECTION AND COMPACTION TESTING OF UNBOUND MATERIALS**

INSPECTION, COMPACTION TESTING, REPORTS AND ALL OTHER REQUIREMENTS STATED IN SS878 SHALL BE PERFORMED FOR ALL APPLICABLE UNBOUND MATERIALS. THE FOLLOWING QUANTITY HAS BEEN CARRIED TO THE GENRAL SUMMARY FOR PERFORMANCE OF THIS WORK.

| | |
|---|---|
| ITEM 878 - INSPECTION AND COMPACTION TESTING OF UNBOUND MATERIALS | LUMP |

**SURVEY MONUMENT VERIFICATION**

BOTH PRE AND POST CONSTRUCTION SURVEY MONUMENTATION VERIFICATION SHALL BE PEROFRMED AS DETAILED IN THE SPECIFICATIONS. THE FOLLOWING QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY FOR PERFORMANCE OF THIS WORK:

| | |
|---|---|
| ITEM 623 - PRECONSTRUCTION SURVEY MONUMENT VERIFICATION | LUMP |
| ITEM 623 - POST CONSTRUCTION SURVEY MONUMENT VERIFICATION | LUMP |

**WATERWORK - COORDINATION WITH GUERNSEY COUNTY WATER DEPARTMENT**

THE CONTRACTOR SHALL NOTIFY THE GUERNSEY COUNTY WATER DEPARTMENT 48 HOURS IN ADVANCE SO THAT THE WATER SERVICE MAY BE SHUT OFF PRIOR TO REMOVAL OF THE EXISTING WATER WORKS. THE EXISTING WATER LINE WILL DISCONNECTED FROM THE CONCRETE VAULT AT APPROXIMATELY STA. 15+50 AS SHOWN ON THE SCHEMATIC PLAN AND CAPPED. THE WORK IS REQUIRED TO BE INSPECTED BY A REPRESENTATIVE OF THE GUERNSEY COUNTY WATER DEPARTMENT PRIOR TO ACCEPTANCE. THE CONTRACTOR MAY STORE THE REMOVED WATER LINES ON SITE, WITHIN ODOT R/W FOR DISPOSAL BY COUNTY FORCES.

**ITEM 202 - PAVEMENT REMOVED, AS PER PLAN**

THE EXISTING REST AREA IS COMPOSED OF EXISTING CONCRETE AND ASPHALT (OVERLAYS). THE CONTRACTOR SHALL REMOVE THE EXISTING CONCRETE, ASPHALT AND AGGREGATE BASE TO THE SUBGRADE PRIOR TO INSTALLING THE PROPOSED PAVEMENT BUILDUP.

PAYMENT FOR THE LABOR, REMOVAL, DISPOSAL, TRANSPORATION, AND ANY INCIDENTAL ITEMS REQUIRED TO PREFORM THE ABOVE WORK SHALL BE INCLUDED IN THE UNIT PRICES BID FOR THE VARIOUS ITEM 202, PAVEMENT REMOVED, AS PER PLAN

**REMOVAL MISC.: SANITARY PUMP STATION**

THIS ITEM SHALL INCLUDE THE REMOVAL AND DISPOSAL OF ALL ITEMS RELATED TO THE SANITARY PUMP STATION LOCATED ON THE WESTERN EDGE OF THE PARKING LOT THAT ARE NOT OTHERWISE QUANTIFIED. THIS ITEM SHALL INCLUDE, BUT WILL NOT BE LIMITED TO, THE FOLLOWING ITEMS: THE FENCE AND GATE SURROUNDING THE PUMP STATION, ANY SIGNAGE ATTACHED TO OR WITHIN THE FENCE, ANY CONCRETE PADS OR GRAVEL, ELECTRICAL PULL BOXES OR METERS SERVICING THE PUMP STATION, ANY UNDERGROUND SANITARY PIPES (WITHIN THE CONSTRUCTION LIMITS) THE CONFLICT WITH ANY PROPOSED WORK ITEMS, UNDEGROUND TANKS AND ANY PUMPS OR OTHER DEVICES CONNECTED DIRECTLY TO THE SANITARY LINES. ALL REMOVALS SHALL BE IN ACCORDANCE WITH ITEM 202, OEPA REGULATIONS AND UTILITY OWNER CUT AND CAP REQUIREMENTS. ANY PIPES ENCOUNTERED THAT DO NOT CONFLICT WITH OTHER PROPOSED WORK MAY BE CAPPED, SEALED AND ABANDONED PER CMS 202.04 INSTEAD OF BEING REMOVED.

PAYMENT FOR THE LABOR, REMOVAL, DISPOSAL, AND ANY INCIDENTAL ITEMS REQUIRED TO REMOVE THE PUMP STATION SHALL BE INCLUDED IN THE LUMP SUM PRICE BID FOR ITEM 202, REMOVAL MISC.: SANITARY PUMP STATION.

**REMOVAL MISC.: (CONCRETE PAD, 30" CONCRETE TRASH CAN, FLAG POLE, PAVILION STRUCTURE, BENCH, PICNIC TABLE, GRILL)**

THESE ITEMS ARE LOCATED IN VARIOUS PLACES AROUND THE REST AREA WITHIN THE ODOT RIGHT OF WAY. THE 30" CONCRETE TRASH CANS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR. SOME CONCRETE PICNIC TABLES AND GRILLS ON SITE WILL BE REMOVED PRIOR TO CONSTRUCTION, BUT THE CONCRETE PADS WILL REMAIN TO BE REMOVED AND DISPOSED OF BY THE CONTRACTOR. ANY REMAINING CONCRETE PICNIC TABLES AND GRILLS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR. THE FLAG POLE SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR. THE PAVILION STRUCTURE ROOF, SUPPORTS AND FOUNDATION WILL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR. ANY LIGHTING ASSOCIATED WITH THE FLAG POLES AND/OR PAVILION STRUCTURE SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR. BENCHES LOCATED AT THE SITE SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR. ANY QUANTITIES RELATED TO ITEMS THAT HAVE BEEN REMOVED OR SALVAGED BY ODOT PRIOR TO CONSTRUCTION SHALL BE NON-PERFORMED.

PAYMENT FOR THE LABOR, REMOVAL, DISPOSAL, TRANSPORTATION, AND ANY INCIDENTAL ITEMS REQUIRED TO PERFORM THE ABOVE WORK SHALL BE INCLUDED IN THE UNIT PRICES BID FOR THE VARIOUS ITEM 202, REMOVAL MISC. BID ITEMS.

IN ADDITION TO THE ITEMS SHOWN ON THE SUBSUMMARIES THE FOLLOWING ITEMS HAVE BEEN ADDED TO PERFORM THE ABOVE WORK:

| | |
|---|---|
| ITEM 202, REMOVAL MISC.: BENCH | 3 |
| ITEM 202, REMOVAL MISC.: PICNIC TABLE | 3 |
| ITEM 202, REMOVAL MISC.: GRILL | 3 |

**POST CONSTRUCTION STORM WATER TREATMENT**

**VEGETATED FILTER STRIP**

THIS PLAN UTILIZES VEGETATED FILTER STRIPS FOR POST CONSTRUCTION STORM WATER TREATMENT. PLACE EITHER ITEM 659 SEEDING AND MULCHING WITH A 4-INCH LIFT OF TOPSOIL AND ITEM 670, SLOPE EROSION PROTECTION TO ALL DISTURBED AREAS DESIGNATED AS VEGETATED FILTER STRIPS, THE EDGE OF SHOULDER, AND THE FORESLOPE AS SPECIFIED IN THE PLANS.

**ITEM 606 - ANCHOR ASSEMBLY, MGS TYPE B**

THIS ITEM SHALL CONSIST OF FURNISHING AND INSTALLING ANY OF THE MASH 2016 TYPE B FLARED END TREATMENTS FOR TYPE MGS GUARDRAIL AS LISTED UNDER "PRODUCTS ACCEPTED FOR NEW INSTALLATIONS" ON THE ROADWAY APPROVED PRODUCTS LIST POSTED ON ROADWAY ENGINEERING'S WEB PAGE. INSTALLATION SHALL BE AT THE LOCATIONS SPECIFIED IN THE PLANS, IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS. REFER TO THE POSTED SHOP DRAWINGS FOR THE MOST CURRENT APPROVED PRODUCT MODELS.

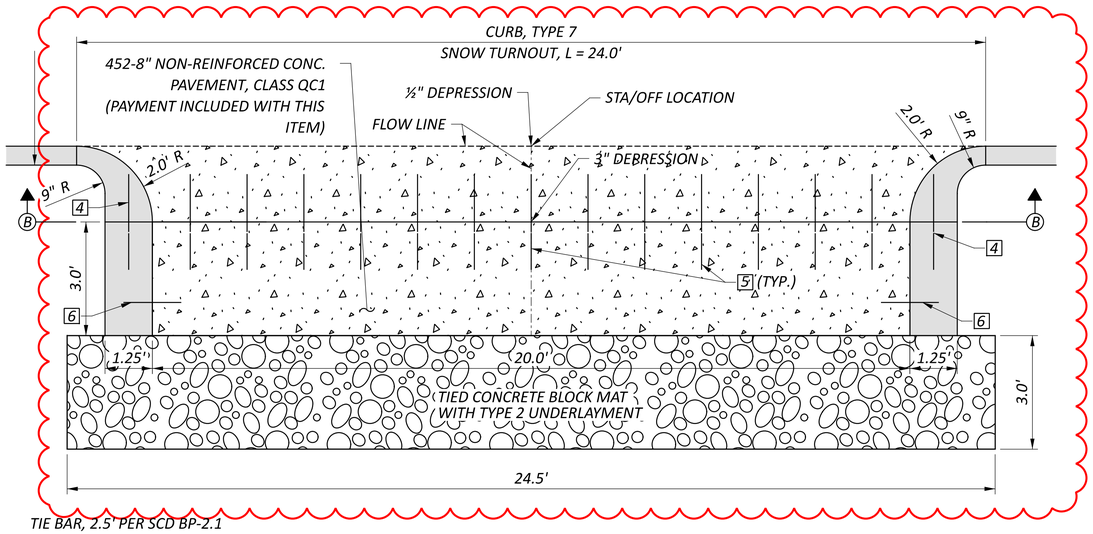
REFER TO THE MANUFACTURER'S INSTRUCTIONS REGARDING THE INSTALLATION OF, AND THE GRADING AROUND, THE FOUNDATION TUBES AND GROUND STRUT. THE TOP OF ANY FOUNDATION TUBE SHOULD BE LESS THAN 4 INCHES ABOVE THE GROUND. ON-SITE GRADING IS REQUIRED IF THE TOP OF THE FOUNDATION TUBES OR TOP OF THE GROUND STRUT DOES PROJECTMORE THAN 4 INCHES ABOVE THE GROUND LINE.THE PLACEMENT OF THE FOUNDATION TUBES SHOULD BE AN APPROPRIATE DEPTH BELOW THE LEVEL LINE IN ORDER TO MAINTAIN THE FINISHED GUARDRAIL HEIGHT OF 31 INCHES FROM THE EDGE OF THE SHOULDER.

THE FACE OF THE TYPE B IMPACT HEAD SHALL BE COVERED WITH SOLID FLUORESCENT YELLOW REBOUNDABLE RETROREFLECTIVE SHEETING, PER CMS 730.191.

PAYMENT FOR THE ABOVE WORK SHALL BE MADE AT THE UNIT PRICE BID FOR ITEM 606, ANCHOR ASSEMBLY, MGS TYPE B, EACH, AND SHALL INCLUDE ALL LABOR, TOOLS, EQUIPMENT AND MATERIALS NECESSARY TO CONSTRUCT A COMPLETE AND FUNCTIONAL ANCHOR ASSEMBLY SYSTEM, INCLUDING REFLECTIVE SHEETING AND ALL RELATED HARDWARE, GRADING, EMBANKMENT AND EXCAVATION NOT SEPARATELY SPECIFIED, AS REQUIRED BY THE MANUFACTURER.

**ITEM 609 - CURB, MISC.: CURB, TYPE 7 SNOW TURNOUT**

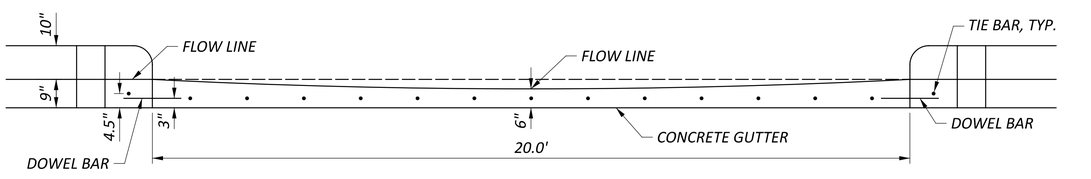
THIS ITEM SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE PLAN DETAILS SHOWN BELOW. ALL LABOR, MATERIALS, AND INCIDENTALS NECESSARY TO CONSTRUCT A COMPLETE SNOW TURNOUT SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 609 - CURB, MISC.: CURB, TYPE 7 SNOW TURNOUT.




TIE BAR, 2.5' PER SCD BP-2.1

(13) TIE BARS, 2.5' SPACED 18" C/C PER SCD BP-2.1

(2) 1.5' DOWEL BAR PER SCD BP-2.2




SECTION B-B

**ITEM 204 - SUBGRADE COMPACTION AND PROOF ROLLING**

CONSTRUCT THE SUBGRADE AS FOLLOWS AND IN THE FOLLOWING SEQUENCE:

1. SHAPE THE SUBGRADE TO WITHIN 0.2 FEET OF THE PLAN SUBGRADE ELEVATION.

2. EXCAVATE AND REPLACE UNSUITABLE SUBGRADE BEFORE PROOF ROLLING. THE EXCAVATION LIMITS ARE SHOWN AND LABELED ON THE CROSS SECTIONS AS UNSUITABLE SUBGRADE. UNSUITABLE SUBGRADE INCLUDES UNSUITABLE SOIL (A-4B, A-2-5, A-5, A-7-5, AND SOIL WITH A LIQUID LIMIT GREATER THAN 65) AND ANY COAL, SHALE, OR ROCK WHICH NEEDS TO BE REMOVED ACCORDING TO SECTION 204.05 OF THE CONSTRUCTION AND MATERIAL SPECIFICATIONS (C&MS). IF THERE IS UNSUITABLE SUBGRADE IN A SHALLOW FILL LOCATION, EXCAVATE AND REPLACE THE UNSUITABLE SUBGRADE BEFORE CONSTRUCTING THE SHALLOW FILL AND SHAPING THE SUBGRADE.

3. COMPACT THE SUBGRADE ACCORDING TO C&MS 204.03.

4. APPROXIMATE LIMITS FOR EXCAVATION OF UNSTABLE SUBGRADE ARE SHOWN AND LABELED ON THE CROSS SECTIONS AS UNSTABLE SUBGRADE. THE ENGINEER WILL IDENTIFY THE ACTUAL LIMITS OF EXCAVATION FOR UNSTABLE SUBGRADE BASED ON THE PROOF ROLLING RESULTS AND VISUAL OBSERVATIONS. PROOF ROLL THE COMPACTED SUBGRADE ACCORDING TO C&MS 204.06.

**ENVIRONMENTAL REQUIREMENTS**

THIS PROJECT HAS BEEN DEVELOPED UNDER THE FEDERAL NATIONAL ENVIRONMENTAL POLICY ACT. THE ENVIRONMENTAL COMMITMENTS SPECIAL PROVISIONS IN THIS PLAN PACKAGE INCLUDE ENVIROMENTAL COMMITMENT REQUIREMENTS THAT ARE TO BE STRICTLY ADHERED TO DURING PROGRESS OF THE WORK.

**ITEM 204 - SUBGRADE COMPACTION AND PROOF ROLLING (CONT.)**

5. EXCAVATE UNSTABLE SUBGRADE AS DIRECTED BY THE ENGINEER AND STABILIZE BY REPLACING WITH THE SPECIFIED MATERIALS ACCORDING TO C&MS 204.07. EXCAVATIONS WILL EXTEND 18 INCHES BEYOND THE EDGE OF THE SURFACE OF THE PAVEMENT, PAVED SHOULDERS, OR PAVED MEDIANS.

6. PROOF ROLL THE STABILIZED AREAS ACCORDING TO C&MS 204.06 TO VERIFY STABILITY.

7. FINE GRADE THE SUBGRADE TO THE SPECIFIED GRADE. THE QUANTITIES FOR EXCAVATING THE UNSUITABLE SUBGRADE AND UNSTABLE SUBGRADE ARE BOTH PAID UNDER ITEM 204, EXCAVATION OF SUBGRADE.

**ITEM 202 - BUILDING DEMOLISHED, AS PER PLAN (RESTROOM)**

IN ADDITION TO THE REQUIREMENTS OF THE CMS THIS ITEM SHALL INCLUDE REMOVAL AND DISPOSAL OF ANY ITEMS LOCATED INSIDE THE BUILDING, INCLUDING, BUT NOT LIMITED TO :DRINKING FOUNTAINS, NEWSPAPER BOXES, AND RESTROOM FACILITIES.

**ITEM 202 - BUILDING DEMOLISHED, AS PER PLAN (VENDING)**

IN ADDITION TO THE REQUIREMENTS OF THE CMS THIS ITEM SHALL INCLUDE REMOVAL AND DISPOSAL OF ANY ITEMS LOCATED INSIDE THE BUILDING. VENDING MACHINES WILL BE REMOVED BY ODOT PRIOR TO CONSTRUCTION.



GUE-IR 70 REST AREAS TP
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DESIGNER MAR
REVIEWER JDC 03/13/26
PROJECT ID 122882

| SHEET NUMBER | | | | | | | | | | | | | PART. | ITEM | ITEM | GRAND | UNIT | DESCRIPTION | SEE SHEET |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P.3 | P.7 | P.8 | P.16 | P.17 | P.18 | P.19 | P.20 | P.21 | | | | | 01/NFP | | EXT | TOTAL | | | NO. |
| | | | | | | | | | | | | | | | | | | **ROADWAY** | |
| | LS | | | | | | | | | | | | LS | 201 | 11001 | LS | | CLEARING AND GRUBBING, AS PER PLAN | P.7 |
| | | | | 10,852 | | | | | | | | | 10,852 | 202 | 23001 | 10,852 | SY | PAVEMENT REMOVED, AS PER PLAN | P.8 |
| | | | | 10,079 | | | | | | | | | 10,079 | 202 | 30000 | 10,079 | SF | WALK REMOVED | |
| | | | | 4,696 | | | | | | | | | 4,696 | 202 | 32000 | 4,696 | FT | CURB REMOVED | |
| | | | | | 1,268 | | | | | | | | 1,268 | 202 | 35100 | 1,268 | FT | PIPE REMOVED, 24" DIAMETER AND UNDER | |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | 253 | | | | | | | | 253 | 202 | 38000 | 253 | FT | GUARDRAIL REMOVED | |
| | | | | | 2 | | | | | | | | 2 | 202 | 42206 | 2 | EACH | ANCHOR ASSEMBLY REMOVED | |
| | | | | 1 | | | | | | | | | 1 | 202 | 56101 | 1 | EACH | BUILDING DEMOLISHED, AS PER PLAN (RESTROOM) | P.8 |
| | | | | 1 | | | | | | | | | 1 | 202 | 56101 | 1 | EACH | BUILDING DEMOLISHED, AS PER PLAN (VENDING) | P.8 |
| | | | | | 2 | | | | | | | | 2 | 202 | 58000 | 2 | EACH | MANHOLE REMOVED | |
| | | | | | 11 | | | | | | | | 11 | 202 | 58300 | 11 | EACH | CATCH BASIN OR INLET REMOVED | |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | 410 | | | | | | | | 410 | 202 | 75000 | 410 | FT | FENCE REMOVED | |
| | | | | | 3 | | | | | | | | 3 | 202 | 75610 | 3 | EACH | VALVE BOX REMOVED | |
| | | | | LS | | | | | | | | | LS | 202 | 98000 | LS | | REMOVAL MISC.: SANITARY PUMP STATION | P.8 |
| | | 3 | | | | | | | | | | | 3 | 202 | 98100 | 3 | EACH | REMOVAL MISC.:BENCH | P.8 |
| | | 3 | | | | | | | | | | | 3 | 202 | 98100 | 3 | EACH | REMOVAL MISC.:PICNIC TABLE | P.8 |
| | | | | | | | | | | | | | | | | | | | |
| | | 3 | | | | | | | | | | | 3 | 202 | 98100 | 3 | EACH | REMOVAL MISC.:GRILL | P.8 |
| | | | | 11 | | | | | | | | | 11 | 202 | 98100 | 11 | EACH | REMOVAL MISC.: 30" CONCRETE TRASH CAN | P.8 |
| | | | | 1 | | | | | | | | | 1 | 202 | 98100 | 1 | EACH | REMOVAL MISC.: FLAG POLE | P.8 |
| | | | | 1 | | | | | | | | | 1 | 202 | 98100 | 1 | EACH | REMOVAL MISC.: PAVILION STRUCTURE | P.8 |
| | | | | 2,434 | | | | | | | | | 2,434 | 202 | 98400 | 2,434 | SF | REMOVAL MISC.: CONCRETE PAD | P.8 |
| | | | | | | | | | | | | | | | | | | | |
| | 18,435 | | | | | | | | | | | | 18,435 | 203 | 10000 | 18,435 | CY | EXCAVATION | |
| | 5,512 | | | | | | | | | | | | 5,512 | 203 | 20000 | 5,512 | CY | EMBANKMENT | |
| | | | | | | | 3,923 | | | | | | 3,923 | 204 | 10000 | 3,923 | SY | SUBGRADE COMPACTION | |
| | | | | | | | 254 | | | | | | 254 | 204 | 13000 | 254 | CY | EXCAVATION OF SUBGRADE | |
| | | | | | | | 254 | | | | | | 254 | 204 | 30020 | 254 | CY | GRANULAR MATERIAL, TYPE C | |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | 9 | | | | | | 9 | 204 | 45000 | 9 | HOUR | PROOF ROLLING | |
| | | | | | | | 761 | | | | | | 761 | 204 | 50000 | 761 | SY | GEOTEXTILE FABRIC | |
| | | | | | | | 22,110 | | | | | | 22,110 | 206 | 10020 | 22,110 | SY | LIME STABILIZED SUBGRADE, 14 INCHES DEEP | |
| | | | | | | | 668 | | | | | | 668 | 206 | 10300 | 668 | TON | LIME | |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | 22,110 | | | | | | 22,110 | 206 | 11000 | 22,110 | SY | CURING COAT | |
| | | | 337.5 | | | | | | | | | | 337.5 | 606 | 15050 | 337.5 | FT | GUARDRAIL, TYPE MGS | |
| | | | 2 | | | | | | | | | | 2 | 606 | 26050 | 2 | EACH | ANCHOR ASSEMBLY, MGS TYPE B | P.8 |
| | | | 1 | | | | | | | | | | 1 | 606 | 26550 | 1 | EACH | ANCHOR ASSEMBLY, MGS TYPE T | |
| | | | 104 | | | | | | | | | | 104 | 607 | 98000 | 104 | FT | FENCE, MISC.:WOODEN SLAT FENCE | P.70 |
| | | | | | | | | | | | | | | | | | | | |
| | | | 525 | | | | | | | | | | 525 | 622 | 10161 | 525 | FT | CONCRETE BARRIER, SINGLE SLOPE, TYPE D, AS PER PLAN | P.7 |
| | | | 2 | | | | | | | | | | 2 | 622 | 25050 | 2 | EACH | CONCRETE BARRIER, END ANCHORAGE, REINFORCED, TYPE D | |
| | | LS | | | | | | | | | | | LS | 623 | 50000 | LS | | PRECONSTRUCTION SURVEY MONUMENT VERIFICATION AND REPORT | |
| | | LS | | | | | | | | | | | LS | 623 | 51000 | LS | | POST CONSTRUCTION SURVEY MONUMENT VERIFICATION AND REPORT | |
| | | | | | 1 | | | | | | | | 1 | 638 | 10480 | 1 | EACH | FIRE HYDRANT REMOVED | |
| | | | | | | | | | | | | | | | | | | | |
| | | | 8 | | | | | | | | | | 8 | SPECIAL | 69050600 | 8 | EACH | BOLLARD | P.7 |
| | | LS | | | | | | | | | | | LS | 878 | 25000 | LS | | INSPECTION AND COMPACTION TESTING OF UNBOUND MATERIALS | P.8 |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | **EROSION CONTROL** | |
| | | | | | | 4 | | | | | | | 4 | 601 | 21050 | 4 | SY | TIED CONCRETE BLOCK MAT WITH TYPE 1 UNDERLAYMENT | |
| | | | | | | 80 | | | | | | | 80 | 601 | 32204 | 80 | CY | ROCK CHANNEL PROTECTION, TYPE C WITH GEOTEXTILE FABRIC | |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| | 936 | | | | | | | | | | | | 936 | 659 | 00300 | 936 | CY | TOPSOIL | |
| | 8,505 | | | | | | | | | | | | 8,505 | 659 | 10000 | 8,505 | SY | SEEDING AND MULCHING | |
| | | | | | | | | | | | | | | | | | | | |
| | 422 | | | | | | | | | | | | 422 | 659 | 14000 | 422 | SY | REPAIR SEEDING AND MULCHING | |
| | 422 | | | | | | | | | | | | 422 | 659 | 15000 | 422 | SY | INTER-SEEDING | |
| | 1.9 | | | | | | | | | | | | 1.9 | 659 | 20000 | 1.9 | TON | COMMERCIAL FERTILIZER | |
| | 1.75 | | | | | | | | | | | | 1.75 | 659 | 31000 | 1.75 | ACRE | LIME | |
| | 47 | | | | | | | | | | | | 47 | 659 | 35000 | 47 | MGAL | WATER | |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | LS | | | | LS | 832 | 15000 | LS | | STORM WATER POLLUTION PREVENTION PLAN | |
| | | | | | | | | | LS | | | | LS | 832 | 15002 | LS | | STORM WATER POLLUTION PREVENTION INSPECTIONS | |
| | | | | | | | | | LS | | | | LS | 832 | 15010 | LS | | STORM WATER POLLUTION PREVENTION INSPECTION SOFTWARE | |
| | | | | | | | | | 46,000 | | | | 46,000 | 832 | 30000 | 46,000 | EACH | EROSION CONTROL | |

GENERAL SUMMARY

GUE-IR 70 REST AREAS TP

MODEL: Sheet PAPERSIZE: 34x22 (in.) DATE: 11/6/2026 TIME: 3:17:42 PM USER: TBuniak
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MAR

REVIEWER
JDC 03/13/26

PROJECT ID
122882

SHEET P.13 TOTAL P.112

| SHEET NUMBER | | | | | | | | | | | | | PART. | ITEM | ITEM EXT | GRAND TOTAL | UNIT | DESCRIPTION | SEE SHEET NO. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P.9 | P.16 | P.19 | P.20 | P.75 | P.76 | P.78 | | | | | | | 01/NFP | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | **DRAINAGE** | |
| | | 10,375 | | | | | | | | | | | 10,375 | 605 | 14000 | 10,375 | FT | 6" BASE PIPE UNDERDRAINS | |
| | | 312 | | | | | | | | | | | 312 | 611 | 00510 | 312 | FT | 6" CONDUIT, TYPE F FOR UNDERDRAIN OUTLETS | |
| | | 74 | | | | | | | | | | | 74 | 611 | 00900 | 74 | FT | 6" CONDUIT, TYPE B | |
| | | 384 | | | | | | | | | | | 384 | 611 | 04400 | 384 | FT | 12" CONDUIT, TYPE B | |
| | | 5 | | | | | | | | | | | 5 | 611 | 10400 | 5 | FT | 24" CONDUIT, TYPE B, 706.02 | |
| | | | | | | | | | | | | | | | | | | | |
| | | 25 | | | | | | | | | | | 25 | 611 | 10400 | 25 | FT | 24" CONDUIT, TYPE B, 707.13 | |
| | | 2 | | | | | | | | | | | 2 | 611 | 98470 | 2 | EACH | CATCH BASIN, NO. 2-2B | |
| | | 3 | | | | | | | | | | | 3 | 611 | 99574 | 3 | EACH | MANHOLE, NO. 3 | |
| | | 3 | | | | | | | | | | | 3 | 611 | 99710 | 3 | EACH | PRECAST REINFORCED CONCRETE OUTLET | |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | **PAVEMENT** | |
| | | | 387 | | | | | | | | | | 387 | 301 | 56000 | 387 | CY | ASPHALT CONCRETE BASE, PG64-22, (449) | |
| | | | 6,175 | | | | | | | | | | 6,175 | 304 | 20000 | 6,175 | CY | AGGREGATE BASE | |
| | | | 253 | | | | | | | | | | 253 | 407 | 20000 | 253 | GAL | NON-TRACKING TACK COAT | |
| | | | 96 | | | | | | | | | | 96 | 442 | 10000 | 96 | CY | ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (446) | |
| | | | 160 | | | | | | | | | | 160 | 442 | 10100 | 160 | CY | ASPHALT CONCRETE INTERMEDIATE COURSE, 19 MM, TYPE A (446) | |
| | | | | | | | | | | | | | | | | | | | |
| | | | 23,132 | | | | | | | | | | 23,132 | 452 | 12010 | 23,132 | SY | 8" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P | |
| | | | 120 | | | | | | | | | | 120 | 452 | 14010 | 120 | SY | 10" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P | |
| | 2,777 | | | | | | | | | | | | 2,777 | 609 | 28000 | 2,777 | FT | CURB, TYPE 7 | |
| | 254 | | | | | | | | | | | | 254 | 609 | 50000 | 254 | SY | 4" CONCRETE TRAFFIC ISLAND | |
| | 48 | | | | | | | | | | | | 48 | 609 | 98000 | 48 | FT | CURB, MISC.: CURB, TYPE 7 SNOW TURNOUT | P.8 |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | **LIGHTING** | |
| | | | | | | 50 | | | | | | | 50 | 625 | 00450 | 50 | EACH | CONNECTION, FUSED PULL APART | |
| | | | | | | 12 | | | | | | | 12 | 625 | 00480 | 12 | EACH | CONNECTION, UNFUSED PERMANENT | |
| | | | | | | 15 | | | | | | | 15 | 625 | 10490 | 15 | EACH | LIGHT POLE, CONVENTIONAL AT18B40 | |
| | | | | | | 10 | | | | | | | 10 | 625 | 13500 | 10 | EACH | LIGHT TOWER, MISC.: B45 | P.77 |
| | | | | | | 15 | | | | | | | 15 | 625 | 14100 | 15 | EACH | LIGHT POLE FOUNDATION, 24" X 8' DEEP | |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | 10 | | | | | | | 10 | 625 | 15700 | 10 | EACH | LIGHT TOWER FOUNDATION, MISC.: 36" X 10' DEEP | P.77 |
| | | | | | | 1,968 | | | | | | | 1,968 | 625 | 23200 | 1,968 | FT | NO. 4 AWG 2400 VOLT DISTRIBUTION CABLE | |
| | | | | | | 4,080 | | | | | | | 4,080 | 625 | 23400 | 4,080 | FT | NO. 10 AWG POLE AND BRACKET CABLE | |
| | | | | | | 5,108 | | | | | | | 5,108 | 625 | 24320 | 5,108 | FT | 1-1/2" DUCT CABLE WITH THREE NO. 4 AWG 2400 VOLT CABLES | |
| | | | | | | 591 | | | | | | | 591 | 625 | 25400 | 591 | FT | CONDUIT, 2", 725.04 | |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | 15 | | | | | | | 15 | 625 | 26253 | 15 | EACH | LUMINAIRE, CONVENTIONAL, SOLID STATE (LED), AS PER PLAN, 240 V, TYPE II | P.77 |
| | | | | | | 10 | | | | | | | 10 | 625 | 26263 | 10 | EACH | LUMINAIRE, HIGH MAST, SOLID STATE (LED), AS PER PLAN, 240 V, TYPE V | P.77 |
| | | | | | | 4,906 | | | | | | | 4,906 | 625 | 29002 | 4,906 | FT | TRENCH, 24" DEEP | |
| | | | | | | 548 | | | | | | | 548 | 625 | 29400 | 548 | FT | TRENCH IN PAVED AREA | |
| | | | | | | 5 | | | | | | | 5 | 625 | 30700 | 5 | EACH | PULL BOX, 725.08, 18" | |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | 12 | | | | | | | 12 | 625 | 31510 | 12 | EACH | PULL BOX REMOVED | |
| | | | | | | 25 | | | | | | | 25 | 625 | 32000 | 25 | EACH | GROUND ROD | |
| | | | | | | 1 | | | | | | | 1 | 625 | 34001 | 1 | EACH | POWER SERVICE, AS PER PLAN | P.77 |
| | | | | | | 5,699 | | | | | | | 5,699 | 625 | 36010 | 5,699 | FT | UNDERGROUND WARNING MARKING TAPE | |
| | | | | | | 25 | | | | | | | 25 | 625 | 75400 | 25 | EACH | LIGHT POLE REMOVED | |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | 25 | | | | | | | 25 | 625 | 75500 | 25 | EACH | LIGHT POLE FOUNDATION REMOVED | |
| | | | | | | 25 | | | | | | | 25 | 625 | 75506 | 25 | EACH | LUMINAIRE REMOVED | |
| | | | | | | 1 | | | | | | | 1 | 625 | 76000 | 1 | EACH | ARC FLASH CALCULATIONS AND LABEL, POWER SERVICE | P.77 |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | **TRAFFIC CONTROL** | |
| | | | | | 37 | | | | | | | | 37 | 630 | 03100 | 37 | FT | GROUND MOUNTED SUPPORT, NO. 3 POST | |
| | | | | | 92 | | | | | | | | 92 | 630 | 07000 | 92 | FT | GROUND MOUNTED STRUCTURAL BEAM SUPPORT, W8X18 | |
| | | | | | 2 | | | | | | | | 2 | 630 | 09000 | 2 | EACH | BREAKAWAY STRUCTURAL BEAM CONNECTION | |
| | | | | | 28 | | | | | | | | 28 | 630 | 80100 | 28 | SF | SIGN, FLAT SHEET | |
| | | | | | 90 | | | | | | | | 90 | 630 | 80200 | 90 | SF | SIGN, GROUND MOUNTED EXTRUSHEET | |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | 4 | | | | | | | | 4 | 630 | 84500 | 4 | EACH | GROUND MOUNTED STRUCTURAL BEAM SUPPORT FOUNDATION | |
| | | | | | 3 | | | | | | | | 3 | 630 | 84900 | 3 | EACH | REMOVAL OF GROUND MOUNTED SIGN | |
| | | | | | 6 | | | | | | | | 6 | 630 | 86002 | 6 | EACH | REMOVAL OF GROUND MOUNTED POST SUPPORT | |
| | | | | 0.71 | | | | | | | | | 0.71 | 646 | 10010 | 0.71 | MILE | EDGE LINE, 6" | |
| | | | | 2,104 | | | | | | | | | 2,104 | 646 | 10300 | 2,104 | FT | CHANNELIZING LINE, 8" | |
| | | | | | | | | | | | | | | | | | | | |
| | | | | 2,203 | | | | | | | | | 2,203 | 646 | 10601 | 2,203 | FT | TRANSVERSE/DIAGONAL LINE, AS PER PLAN | P.75 |
| | | | | 6,031 | | | | | | | | | 6,031 | 646 | 20200 | 6,031 | FT | PARKING LOT STALL MARKING | |

GENERAL SUMMARY

GUE-IR 70 REST AREAS TP

MODEL: GENERAL SUMMARY SHEET 2 PAPERSIZE: 34x22 (in.) DATE: 11/6/2026 TIME: 11:30:27 AM USER: TBuntak
pw:\\arcadis-us-pw.bentley.com:arcadis-us-01\Documents\01 Active Projects\30252476400_CAD\122882\400-Engineering\Roadway\Sheets\122882_GG001.dgn

DESIGN AGENCY
ARCADIS
7575 HUNTINGTON PARK DR, STE 130
COLUMBUS, OHIO 43235
(614) 985-4900
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DESIGNER MAR

REVIEWER JDC 03/13/26

PROJECT ID 122882

SHEET P.14 TOTAL P.112

| SHEET NUMBER | | | | | | | | | | | | | PART. | ITEM | ITEM EXT | GRAND TOTAL | UNIT | DESCRIPTION | SEE SHEET NO. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P.9 | P.86 | | | | | | | | | | | | 01/NFP | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | **RETAINING WALLS** | |
| | LS | | | | | | | | | | | | LS | 503 | 21300 | LS | | UNCLASSIFIED EXCAVATION | |
| | 2,320 | | | | | | | | | | | | 2,320 | 507 | 00400 | 2,320 | FT | STEEL PILES, MISC.: W24X104, FURNISHED | P.85 |
| | 5 | | | | | | | | | | | | 5 | 511 | 81300 | 5 | EACH | CONCRETE, MISC.: CLASS QC1 CONCRETE FOR RAISED PANEL SEAT | P.85 |
| | 900 | | | | | | | | | | | | 900 | 512 | 10101 | 900 | SY | SEALING OF CONCRETE SURFACES (EPOXY-URETHANE), AS PER PLAN | P.85 |
| | 996 | | | | | | | | | | | | 996 | 516 | 42000 | 996 | EACH | ELASTOMERIC BEARING PAD, MISC.: 6" X 10" X ⅜" THICK | P.92 |
| | | | | | | | | | | | | | | | | | | | |
| | 780 | | | | | | | | | | | | 780 | 518 | 20000 | 780 | SY | PREFABRICATED GEOCOMPOSITE DRAIN | |
| | 43 | | | | | | | | | | | | 43 | 518 | 21200 | 43 | CY | POROUS BACKFILL WITH GEOTEXTILE FABRIC | |
| | 570 | | | | | | | | | | | | 570 | 518 | 40000 | 570 | FT | 6" PERFORATED CORRUGATED PLASTIC PIPE | |
| | 40 | | | | | | | | | | | | 40 | 518 | 40010 | 40 | FT | 6" NON-PERFORATED CORRUGATED PLASTIC PIPE, INCLUDING SPECIALS | |
| | | | | | | | | | | | | | | | | | | | |
| | 300 | | | | | | | | | | | | 300 | 524 | 94703 | 300 | FT | DRILLED SHAFTS, 36" DIAMETER, ABOVE BEDROCK, AS PER PLAN | P.85 |
| | 1,080 | | | | | | | | | | | | 1,080 | 524 | 94705 | 1,080 | FT | DRILLED SHAFTS, 36" DIAMETER, INTO BEDROCK, AS PER PLAN | P.85 |
| | 7,000 | | | | | | | | | | | | 7,000 | SPECIAL | 53051010 | 7,000 | SF | RETAINING WALL, PRECAST CONCRETE LAGGING | P.85 |
| | 570 | | | | | | | | | | | | 570 | 601 | 37500 | 570 | FT | PAVED GUTTER, TYPE 1-2 | |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | **MAINTENANCE OF TRAFFIC** | |
| | | | | | | | | | | | | | | | | | | | |
| 1 | | | | | | | | | | | | | 1 | 614 | 12380 | 1 | EACH | WORK ZONE IMPACT ATTENUATOR, 24" WIDE HAZARDS, (UNIDIRECTIONAL) | |
| 51 | | | | | | | | | | | | | 51 | 616 | 10000 | 51 | MGAL | WATER | |
| | | | | | | | | | | | | | | | | | | | |
| 870 | | | | | | | | | | | | | 870 | 622 | 41100 | 870 | FT | PORTABLE BARRIER, UNANCHORED | |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | **INCIDENTALS** | |
| | | | | | | | | | | | | | LS | 614 | 11000 | LS | | MAINTAINING TRAFFIC | |
| | | | | | | | | | | | | | 7 | 619 | 16010 | 7 | MNTH | FIELD OFFICE, TYPE B | |
| | | | | | | | | | | | | | LS | 623 | 10000 | LS | | CONSTRUCTION LAYOUT STAKES AND SURVEYING | |
| | | | | | | | | | | | | | LS | 624 | 10000 | LS | | MOBILIZATION | |

GENERAL SUMMARY

GUE-IR 70 REST AREAS TP

MODEL: GENERAL SUMMARY SHEET 3 PAPERSIZE: 34x22 (in.) DATE: 11/6/2026 TIME: 11:43:25 AM USER: TBuntak
pw:\\arcadis-us-pw.bentley.com:arcadis-us-01\Documents\01 Active Projects\30252476400_CAD\122882\400-Engineering\Roadway\Sheets\122882_GG001.dgn

DESIGN AGENCY
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DESIGNER
MAR

REVIEWER
JDC 03/13/26

PROJECT ID
122882

SHEET P.15 | TOTAL P.112

| REF NO. | SHEET NO. | STATION TO STATION | | | SIDE | | | | 606 GUARDRAIL, TYPE MGS FT | 606 ANCHOR ASSEMBLY, MGS TYPE B EACH | 606 ANCHOR ASSEMBLY, MGS TYPE T EACH | 607 FENCE, MISC.:WOODEN SLAT FENCE FT | 609 CURB, TYPE 7 FT | 622 CONCRETE BARRIER, SINGLE SLOPE, TYPE D, AS PER PLAN FT | 622 CONCRETE BARRIER, END ANCHORAGE, REINFORCED, TYPE D EACH | SPECIAL BOLLARD EACH | 609 CURB, MISC.: CURB, TYPE 7 SNOW TURNOUT FT | 609 4" CONCRETE TRAFFIC ISLAND SY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | FROM | | TO | | | | | | | | | | | | | | |
| GR-1 | P.22 | 7+08.38 | TO | 7+44.45 | RT | | | | | 1 | | | | | | | | |
| C-1 | P.22 | 7+55.46 | TO | 10+60.00 | LT | | | | | | | | 304.54 | | | | | |
| C-2 | NOT USED | | | | | | | | | | | | | | | | | |
| GR-2 | P.22 | 7+44.45 | TO | 9+95.00 | RT | | | | 250 | | | | | | | | | |
| GR-3 | P.22 | 9+95.00 | TO | 10+07.50 | RT | | | | | | 1 | | | | | | | |
| C-3 | P.24 | 10+60.00 | TO | 15+20.00 | LT | | | | | | | | 478.22 | | | | | |
| C-4 | P.24 | 11+93.45 | TO | 13+79.06 | RT | | | | | | | | 353.12 | | | | | |
| F-2 | P.24 | 12+49.17 | TO | 12+68.25 | RT | | | | | | | 52 | | | | 4 | | |
| CB-1 | P.24 | 13+19.26 | TO | 15+20.00 | RT | | | | | | | | | 200.74 | 1 | | | |
| S-1 | P.24 | 13+62.61 | TO | 13+76.30 | LT | | | | | | | | | | | | 24 | |
| C-5 | P.24 | 14+31.55 | TO | 15+02.25 | RT | | | | | | | | 190.09 | | | | | 126.6 |
| C-6 | P.25 | 15+20.00 | TO | 20+72.00 | LT | | | | | | | | 552.00 | | | | | |
| C-7 | P.25 | 15+20.00 | TO | 20+72.00 | LT/RT | | | | | | | | 360.42 | | | | | |
| CB-2 | P.25 | 15+20.00 | TO | 18+43.96 | RT | | | | | | | | | 323.96 | 1 | | | |
| C-8 | P.25 | 16+43.00 | TO | 17+15.00 | RT | | | | | | | | 190.09 | | | | | 126.6 |
| S-2 | P.25 | 19+39.17 | TO | 19+55.25 | RT | | | | | | | | | | | | 24 | |
| F-1 | P.25 | 19+68.00 | TO | 19+92.00 | LT | | | | | | | 52 | | | | 4 | | |
| C-9 | P.26 | 20+72.00 | TO | 25+00.00 | LT | | | | | | | | 342.27 | | | | | |
| C-10 | P.26 | 20+72.00 | TO | 20+78.16 | RT | | | | | | | | 6.16 | | | | | |
| GR-4 | P.74 | 29+68.00 | TO | 30+04.00 | RT | | | | 37.5 | 1 | | | | | | | | |
| GR-5 | P.74 | 30+04.00 | TO | 30+54.00 | RT | | | | 50 | | | | | | | | | |
| TOTALS CARRIED TO GENERAL SUMMARY | | | | | | | | | 338 | 2 | 1 | 104 | 2777 | 525 | 2 | 8 | 48 | 254 |

ROADWAY SUB-SUMMARY

GUE-IR 70 REST AREAS TP

MODEL: Sheet PAPERSIZE: 34x22 (in.) DATE: 10/30/2026 TIME: 1:38:37 PM USER: TBuniak
pw:\\arcadis-us-pw.bentley.com:arcadis-us-01\Documents\01 Active Projects\30252476\400_CAD\122882400-Engineering\Roadway\Sheets\122882_GS001.dgn

DESIGN AGENCY
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DESIGNER
MAR

REVIEWER
JDC 03/13/26

PROJECT ID
122882

SHEET P.16 | TOTAL P.112

# PAVEMENT CALCULATIONS

| STATION RANGE | | | PAV'T AREA | SIDE | DISTANCE (D) | AVERAGE WIDTH (W) | SURFACE AREA (A) A=DxW | CADD GENERATED AREA | 204 SUBGRADE COMPACTION | 204 PROOF ROLLING | 304 AGGREGATE BASE, 8" | 304 AGGREGATE BASE, 6" | 452 8" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC1 | 204 EXCAVATION OF SUBGRADE | 204 GRANULAR MATERIAL, TYPE C | 204 GEOTEXTILE FABRIC | 206 LIME STABILIZED SUBGRADE, 14 INCHES DEEP | 206 LIME | 206 CURING COAT | 452 10" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC1 | 407 NON-TRACKING TACK COAT | 301 ASPHALT CONCRETE BASE, PG64-22 (449) | 442 ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (446) | 442 ASPHALT CONCRETE INTERMEDIATE COURSE, 19 MM, TYPE A (446) | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | FT | FT | SQ FT | SQ FT | SY | HOUR | CY | CY | SY | CY | CY | SY | SY | TON | SY | SY | GAL | CY | CY | CY | |
| EXIT RAMP | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7+22.87 | TO | 11+93.45 | CONC | LT/RT | 470.6 | 16.0 | 7529.3 | | | 0.3 | 185.9 | | 836.6 | | | | 993.4 | 30.0 | 993.4 | | | | | | |
| 7+22.87 | TO | 7+55.46 | CONC | LT | 32.6 | 2.1 | 68.4 | | | 0.0 | 1.7 | | 7.6 | | | | 7.6 | 0.2 | 7.6 | | | | | | |
| 7+22.87 | TO | 7+55.46 | CONC | LT | 32.6 | 0.5 | 16.3 | | | 0.0 | 0.4 | | | | | | | | | | | | | | |
| 7+22.87 | TO | 8+00.00 | CONC | RT | 77.1 | 5.1 | 393.4 | | | 0.0 | 9.7 | | 43.7 | | | | 43.7 | 1.3 | 43.7 | | | | | | |
| 7+22.87 | TO | 8+00.00 | CONC | RT | 77.1 | 0.5 | 38.6 | | | 0.0 | 1.0 | | | | | | | | | | | | | | |
| 8+00.00 | TO | 9+60.00 | CONC | RT | 160.0 | 4.0 | 640.0 | | | 0.0 | 15.8 | | 71.1 | | | | 71.1 | 2.1 | 71.1 | | | | | | |
| 8+00.00 | TO | 9+60.00 | CONC | RT | 160.0 | 0.5 | 80.0 | | | 0.0 | 2.0 | | | | | | | | | | | | | | |
| 9+60.00 | TO | 10+10.00 | CONC | RT | 50.0 | 8.0 | 400.0 | | | 0.0 | 9.9 | | 44.4 | | | | 44.4 | 1.3 | 44.4 | | | | | | |
| 9+60.00 | TO | 10+10.00 | CONC | RT | 50.0 | 0.5 | 25.0 | | | 0.0 | 0.6 | | | | | | | | | | | | | | |
| 10+10.00 | TO | 11+50.00 | CONC | RT | 140.0 | 12.0 | 1680.0 | | | 0.1 | 41.5 | | 186.7 | | | | 186.7 | 5.6 | 186.7 | | | | | | |
| 10+10.00 | TO | 11+50.00 | CONC | RT | 140.0 | 0.5 | 70.0 | | | 0.0 | 1.7 | | | | | | | | | | | | | | |
| 11+50.00 | TO | 11+93.45 | CONC | RT | 43.5 | 6.0 | 260.7 | | | 0.0 | 6.4 | | 29.0 | | | | 29.0 | 0.9 | 29.0 | | | | | | |
| 11+50.00 | TO | 11+93.45 | CONC | RT | 43.5 | 0.5 | 21.7 | | | 0.0 | 0.5 | | | | | | | | | | | | | | |
| TRUCK PARKING LOT | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11+93.45 | TO | 20+50.00 | CONC | LT/RT | 856.6 | | | 184036 | | 6.9 | 4544.1 | | 20448.4 | | | | 20733.9 | 625.9 | 20733.9 | | | | | | |
| 20+50.00 | TO | 22+01.00 | CONC | LT/RT | 151.0 | | | 4838 | 537.59 | 0.0 | 119.5 | | 537.6 | 35.8 | 35.8 | 107.5 | | | | | | | | | |
| ENTRANCE RAMP | | | | | | | | | | | | | | | | | | | | | | | | | |
| 22+01.00 | TO | 24+06.00 | CONC | LT/RT | 205.0 | | | 4171 | 463.48 | 0.2 | 103.0 | | 463.5 | 30.9 | 30.9 | 92.7 | | | | | | | | | |
| 20+78.16 | TO | 21+27.05 | CONC | RT | 48.9 | 6.0 | 293.3 | | 32.59 | 0.0 | 7.2 | | 32.6 | 2.2 | 2.2 | 6.5 | | | | | | | | | |
| 20+78.16 | TO | 21+27.05 | CONC | RT | 48.9 | 0.5 | 24.4 | | 2.72 | 0.0 | 0.6 | | | 0.2 | 0.2 | 0.5 | | | | | | | | | |
| 21+27.05 | TO | 24+06.00 | CONC | RT | 279.0 | 12.0 | 3347.4 | | 371.93 | 0.2 | 82.7 | | 371.9 | 24.8 | 24.8 | 74.4 | | | | | | | | | |
| 21+27.05 | TO | 24+06.00 | CONC | RT | 279.0 | 0.5 | 139.5 | | 15.50 | 0.0 | 3.4 | | | 1.0 | 1.0 | 3.1 | | | | | | | | | |
| 24+06.00 | TO | 30+50.00 | ASPH | LT/RT | 644.0 | 16.0 | 10304.0 | | 1144.89 | 0.5 | | 190.8 | | 76.3 | 76.3 | 229.0 | | | | | 125.9 | 190.8 | 47.7 | 79.5 | |
| 24+06.00 | TO | 30+50.00 | ASPH | LT | 644.0 | | | 3992 | 443.56 | 0.2 | | 73.9 | | 29.6 | 29.6 | 88.7 | | | | | 48.8 | 73.9 | 18.5 | 30.8 | |
| 24+06.00 | TO | 28+47.50 | ASPH | RT | 441.5 | 12.0 | 5298.0 | | 588.67 | 0.2 | | 98.1 | | 39.2 | 39.2 | 117.7 | | | | | 64.8 | 98.1 | 24.5 | 40.9 | |
| 24+06.00 | TO | 28+47.50 | ASPH | RT | 441.5 | 0.33 | 147.2 | | 16.35 | 0.1 | | 2.7 | | 1.1 | 1.1 | 3.3 | | | | | | 2.7 | | | |
| 24+06.00 | TO | 28+47.50 | ASPH | RT | 441.5 | 0.83 | 367.9 | | 40.88 | 0.1 | | 6.8 | | 2.7 | 2.7 | 8.2 | | | | | | | | | |
| 28+47.50 | TO | 29+00.00 | ASPH | RT | 52.5 | 8.00 | 420.0 | | 46.67 | 0.0 | | 7.8 | | 3.1 | 3.1 | 9.3 | | | | | 5.1 | 7.8 | 1.9 | 3.2 | |
| 28+47.50 | TO | 29+00.00 | ASPH | RT | 52.5 | 0.33 | 17.5 | | 1.94 | 0.0 | | 0.3 | | 0.1 | 0.1 | 0.4 | | | | | | 0.3 | | | |
| 28+47.50 | TO | 29+00.00 | ASPH | RT | 52.5 | 0.83 | 43.8 | | 4.86 | 0.0 | | 0.8 | | 0.3 | 0.3 | 1.0 | | | | | | | | | |
| 29+00.00 | TO | 30+50.00 | ASPH | RT | 150.0 | 4.30 | 645.0 | | 71.67 | 0.0 | | 11.9 | | 4.8 | 4.8 | 14.3 | | | | | 7.9 | 11.9 | 3.0 | 5.0 | |
| 29+00.00 | TO | 30+50.00 | ASPH | RT | 150.0 | 0.33 | 50.0 | | 5.56 | 0.0 | | 0.9 | | 0.4 | 0.4 | 1.1 | | | | | | 0.9 | | | |
| 29+00.00 | TO | 30+50.00 | ASPH | RT | 150.0 | 0.83 | 125.0 | | 13.89 | 0.0 | | 2.3 | | 0.9 | 0.9 | 2.8 | | | | | | | | | |
| 12+49.17 | TO | 12+60.25 | CONC | RT | 22.00 | 12.00 | 264.0 | | | | 6.5 | | 29.3 | | | | | | | | | | | | |
| 19+69.17 | TO | 19+91.17 | CONC | RT | 22.00 | 12.00 | 264.0 | | | | 6.5 | | 29.3 | | | | | | | | | | | | |
| 12+30.25 | TO | 12+45.25 | CONC | RT | 15.00 | | | 600.00 | 66.67 | | 14.8 | | | | | | | | | 66.67 | | | | | |
| 19+42.24 | TO | 19+51.56 | CONC | RT | 9.32 | | | 480.00 | 53.33 | | 11.9 | | | | | | | | | 53.33 | | | | | |
| | | | | | | | | SUBTOTALS | 3922.74 | 8.91 | 5177.30 | 396.30 | 23131.70 | 253.52 | 253.52 | 760.55 | 22109.80 | 667.30 | 22109.80 | 120.00 | 252.50 | 386.55 | 95.64 | 159.41 | |
| | | | | | | | | TOTALS CARRIED TO GENERAL SUMMARY | 3923 | 9 | 5178 | 397 | 23132 | 254 | 254 | 761 | 22110 | 668 | 22110 | 120 | 253 | 387 | 96 | 160 | |

GUE-IR 70 REST AREAS TP

MODEL: Sheet PAPERSIZE: 34x22 (in.) DATE: 11/6/2026 TIME: 10:57:42 AM USER: TDunlap
DW:\\arcadis-ld-pw.bentley.com:arcadis-us-01\Documents\01 Active Projects\30262478\400_CAD\122882\400-Engineering\Roadway\Sheets\122882_GS003.dgn

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DESIGNER MAR
REVIEWER JDC 03/13/26
PROJECT ID 122882
SHEET P.20 TOTAL P.112

NOTE:

TRUCK PARKING LOT SEE SHEET P.75 FOR DETAILS

SEE DEMOLITION PLAN ON SHEET P.74 FOR REMOVAL DETAILS.

FOR ADDITIONAL UTILITY DISPOSITION SEE SHEET P.83

EASTBOUND I-70

CONST. LIMITS

24" CMP

CURB CUT (TYP.) FOR DETAIL, SEE SHEET P.6

C-6 UD-20 UD-31

E-4 E-5 E-6 E-7 E-8

D-1 15" RCP (TBR) R-112

R-111

P-8 12" TYPE B

UD-19 UD-18 UD-30

12" RCP (TBR)

24" CMP

130'

UD-29

UD-28

UD-17

R-110

TRUCK PARKING LOT SEE SHEET P.75 FOR DETAILS

UD-27

B-004-1-25

CURB, TYPE 7

UD-16

D-2 UD-26

MATCH LINE STA. 15+20

16 17 18 19

N74°46'46"E

℄ CONST. EB REST AREA

CONNECT TO EX. PIPE WITH MASONRY COLLAR PER DM-1.1 (TYP)

UD-14 R-113

C-8

UD-12

B-005-1-25

UD-25

UD-10

24" CMP

EX. BUILDING (TBR)

R-109

UD-24

UD-8

167'

EX. ELEC

UD-23

R-107

UD-6

R-108

UD-22

UD-4

EX. TELE

EX. WATER

D-3 R-114 UD-21 D-4

12" TYPE B

CB-2 UD-3

P-7

24" CONC

B-004-0-25

B-005-0-25

PROP. RETAINING WALL

EX POLE (RELOCATED BY OTHERS)

EX. WATER VAULT

EX. OVERHEAD ELEC.

EX. FIBER OPTIC

Ex R/W

B-006-0-25

EX. FENCE (DND)

END RETAINING WALL STA. 18+43.94

CURB, TYPE 7 (TYP.)

UD-32

CURVE DATA - A3
P.I. = STA. 20+42.58
Δ = 76°40'53" RT
Dc = 88°08'50"
R = 65.00'
T = 51.41'
L = 86.99'
E = 17.87'

BEGIN 10.0' CURB HT. TRANS. (10"-0")

MATCH LINE STA. 20+72

CURVE A3

REFUSE AREA SEE DETAILS ON SHEET P.69

5.0' CURB TRANSITION HEIGHT 10" TO 0"

+96 +91 +69 +64

20

F-1

PC STA. 19+91.17

PROP. BOLLARD PER RM-5.1

0" CURB HEIGHT

N18°26'49"W

5.0' CURB TRANSITION HEIGHT 10" TO 0"

11'X22' CONC. PAD W/WOODEN SLAT FENCE, 6" FROM EDGE

PI STA. 19+55.25

5'

APPROX. 20.5'X13.5' LATRINE FOOTPRINT (BY OTHERS)

9.5'

4.7'

5'

60.0'

23.5'

AREA RESERVED FOR 2-2 STALL PIT LATRINES (BY OTHERS)

STA. 19+55.03
934.20

S-2

32'

STA. 19+36.91
934.46

STA. 19+55.25
935.06

C-7

15'

AGG. DRIVE, SEE PVT. CALC.

PROP. ELEC.

STA. 19+55.25
935.20

CONST. LIMITS

HORIZONTAL SCALE IN FEET
0 10 20 40

# PLAN - EASTBOUND REST AREA STA. 15+20 TO STA. 20+75

LEGEND

- TO BE PERFORMED BY OTHERS
- CONCRETE PAVEMENT TO BE REMOVED
- VEGETATED FILTER STRIP
- ROCK CHANNEL PROTECTION, TYPE C WITH GEOTEXTILE FABRIC

DESIGN AGENCY
ARCADIS
7575 HUNTINGTON PARK DR. STE 100
COLUMBUS, OHIO 43235
(614) 985-4500
www.arcadis.com

DESIGNER MAR
REVIEWER JDC 03/13/26
PROJECT ID 122882
SHEET P.24 TOTAL P.112

GUE-IR 70 REST AREAS TP

MODEL: Site 3B Plan - Site 3B Plan-2 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 11/6/2026 TIME: 12:11:51 PM USER: sgault
pw:\\arcadis-us-pw.bentley.com:arcadis-us-01\Documents\01 Active Projects\30252476\400_CAD\122882\400-Engineering\Roadway\Sheets\122882_GP001.dgn

**STANDARD DRAWINGS AND SUPPLEMENTAL SPECIFICATIONS:**

REFER TO THE FOLLOWING STANDARD CONSTRUCTION DRAWINGS:
DM-2.1 REVISED 1/18/2013

REFER TO THE FOLLOWING SUPPLEMENTAL SPECIFICATION:
800 DATED 1/16/2026

REFER TO THE FOLLOWING SUPPLEMENTS:
1073 DATED 1/16/2026
1083 DATED 1/17/2025

**DESIGN SPECIFICATIONS:**

THIS STRUCTURE CONFORMS TO THE "LRFD BRIDGE DESIGN SPECIFICATIONS", 10TH EDITION, ADOPTED BY THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS, 2020 AND THE ODOT BRIDGE DESIGN MANUAL, 2020 (DATED 01-16-26).

**DESIGN DATA:**

CONCRETE CLASS QC1 - COMPRESSIVE STRENGTH 4.0 KSI (PRECAST LAGGING AND PANEL SEAT)
CONCRETE CLASS QC1 - COMPRESSIVE STRENGTH 4.5 KSI (DRILLED SHAFTS)
REINFORCING STEEL / WELDED WIRE REINFORCEMENT - MINIMUM YIELD STRENGTH 60 KSI
STEEL SOLDIER PILES - ASTM A572 - YIELD STRENGTH 50 KSI

**SEQUENCE OF CONSTRUCTION**

SEE MAINTENANCE OF TRAFFIC NOTES FOR ADDITIONAL PHASES AND INFORMATION.

**ITEM 507 - STEEL PILES, MISC.: W24x104, FURNISHED**

THIS WORK CONSISTS OF FURNISHING AND PLACING STEEL PILES INTO DRILLED HOLES. FURNISH SOLDIER PILES CONSISTING OF STRUCTURAL STEEL MEMBERS THAT MEET THE PLAN REQUIREMENTS AND CONFORM TO ASTM A572, GRADE 50 IN ACCORDANCE WITH C&MS 711.01. GALVANIZE SOLDIER PILES FOR TOP 15'-0" MINIMUM OR TO LIMITS SHOWN IN THE PLANS WHERE LONGER AND IN ACCORDANCE WITH C&MS 711.02. DO NOT FIELD WELD OR SPLICE STEEL SOLDIER PILES WITHOUT APPROVAL OF THE ENGINEER.

THE DEPARTMENT WILL MEASURE SOLDIER PILES ALONG THE AXIS OF THE SOLDIER PILE FROM THE TOP OF WALL ELEVATION TO THE BOTTOM OF THE DRILLED SHAFT, AS DETERMINED BY THE ENGINEER. THE DEPARTMENT WILL PAY FOR THE SOLDIER PILES AT THE CONTRACT UNIT PRICE PER ODOT WITH ITEM 507, STEEL PILES, MISC.: W24x104 FURNISHED.

**ITEM 511 - CONCRETE, MISC.: CLASS QC1 CONCRETE FOR RAISED PANEL SEAT**

PROVIDE LEVEL CAST-IN-PLACE SEATS FOR LEVEL INSTALLATION OF THE BOTTOM ROW OF LAGGING. SEATS SHALL BE PLACED AS SHOWN IN THE PLANS ON SOUND CONCRETE FROM THE SOLDIER PILE DRILLED SHAFT.

THE CONTRACTOR IS PERMITTED TO USE A PRECAST ALTERNATE SUBJECT TO THE APPROVAL OF THE ENGINEER.

**ITEM 512 - SEALING OF CONCRETE SURFACES (EPOXY-URETHANE), AS PER PLAN**

SEAL SURFACES OF THE PRECAST CONCRETE LAGGING AS SHOWN IN THE PLANS WITH AN EPOXY-URETHANE SEALER ACCORDING TO C&MS 512. THE FOLLOWING COLOR SHALL BE USED FOR PAINTING AND SEALING STRUCTURAL ELEMENTS:

WALL FACING SEALER: LIGHT NEUTRAL 17778

COLOR NAME AND NUMBER REFERENCE ARE TAKEN FROM FEDERAL STANDARD COLOR AMS-STD-595.

**ITEM 524 – DRILLED SHAFTS, 36" DIAMETER, ABOVE BEDROCK, AS PER PLAN**

**ITEM 524 – DRILLED SHAFTS, 36" DIAMETER, INTO BEDROCK, AS PER PLAN**

THIS WORK CONSISTS OF FURNISHING AND INSTALLING DRILLED SHAFTS FOR SOLDIER PILE AND LAGGING WALLS. DUE TO THE VARIED NATURE OF THE BEDROCK THROUGHOUT THE PROJECT AREA NO SEPARATE PAYMENT WILL BE MADE FOR DRILLING ABOVE OR INTO BEDROCK. BOTH DRILLING TYPES WILL BE INCLUDED FOR PAYMENT IN THIS ITEM. THE DRILLED SHAFTS ARE REINFORCED WITH SOLDIER PILES INSTEAD OF REINFORCING STEEL CAGES. THE SOLDIER PILES EXTEND ABOVE THE TOP OF THE DRILLED SHAFT. FURNISH AND INSTALL THE DRILLED SHAFTS IN ACCORDANCE WITH C&MS 524 EXCEPT AS MODIFIED AND SUPPLEMENTED BELOW.

THE DRILLED SHAFTS MUST ADHERE TO A SPECIFIED CONSTRUCTION TOLERANCE OF 1½ INCHES FROM THE PLANNED LOCATION. PLACE THE SOLDIER PILE WITHIN THE HOLE SO IT IS VERTICAL AND NOT INCLINED MORE THAN 1 INCH BETWEEN TOP TO BOTTOM. PLACE THE SOLDIER PILE SO THAT THE FLANGES ARE PARALLEL TO THE CENTERLINE OF THE ROW OF DRILLED SHAFTS. DO NOT ALLOW ORIENTATION OF THE FLANGES TO VARY BY MORE THAN 10 DEGREES. SUPPORT THE SOLDIER PILE SO IT DOES NOT MOVE DURING CONCRETE PLACEMENT.

**ITEM 524 - DRILLED SHAFTS, 36" DIAMETER, AS PER PLAN - CONTINUED**

USE CLASS QC1 CONCRETE ACCORDING TO C&MS 511. PLACE CONCRETE TO THE ELEVATION FOR THE TOP OF THE DRILLED SHAFT. THE CONTRACTOR MAY PLACE CONCRETE USING THE FREE FALL METHOD PROVIDED THE DEPTH OF WATER IS LESS THAN 6 INCHES AND THE CONCRETE FALLS WITHOUT STRIKING THE SIDES OF THE HOLE. POURING CONCRETE ALONG THE WEB OF THE SOLDIER PILE IS ACCEPTABLE.

CHECK THE POSITION, THE VERTICAL ALIGNMENT AND ORIENTATION OF THE SOLDIER PILE IMMEDIATELY AFTER CONCRETE PLACEMENT. MAKE CORRECTIONS AS NECESSARY TO MEET THE ABOVE TOLERANCES. IF SHOWN ON THE PLANS, FILL THE HOLE ABOVE THE BOTTOM OF THE LAGGING TO THE EXISTING GROUND SURFACE WITH ITEM C&MS 613 LOW STRENGTH MORTAR BACKFILL (LSM).

REMOVE CONCRETE AND LSM AS NECESSARY FROM AROUND THE SOLDIER PILE IN ORDER TO PLACE LAGGING. PLACE LAGGING SO THAT THE SOLDIER PILE FLANGE OVERLAPS THE END OF THE LAGGING BY AT LEAST 3 INCHES AT BOTH ENDS OF THE LAGGING. WAIT AT LEAST 12 HOURS AFTER PLACING CONCRETE IN THE DRILLED SHAFTS BEFORE PLACING LAGGING.

SEQUENCE OF INSTALLATION: THE INSTALLATION SEQUENCE SHALL BE SUCH THAT NO DRILLED SHAFT IS INSTALLED ADJACENT TO EITHER AN OPEN DRILLED SHAFT EXCAVATION OR A DRILLED SHAFT IN WHICH THE CONCRETE HAS LESS THAN A 48-HOUR CURE. INSTALLING THE SHAFTS IN AN ALTERNATING SEQUENCE OR ANY OTHER SEQUENCE THAT MEETS THESE CRITERIA IS PERMISSIBLE.

PROTECTION OF UNATTENDED OPEN SHAFTS: CARE SHALL BE EXERCISED AS TO COVER UNATTENDED OPEN SHAFTS. TEMPORARY COVERS SHALL BE OF ADEQUATE STRENGTH TO PREVENT A PERSON OR ANIMAL FROM FALLING IN. NO DRILLED SHAFT EXCAVATION SHALL BE LEFT UN-POURED OVERNIGHT.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE MEANS AND METHODS USED TO CONSTRUCT THE DRILLED SHAFTS AND PLACE LAGGING. ANY TEMPORARY GRADING, EXCAVATION, EMBANKMENT, AGGREGATE, DRAINAGE, SHEETING, ETC. NEEDED TO COMPLETE THE WORK SHALL BE INCLUDED IN THE BID PRICE FOR THE DRILLED SHAFTS. THE COST OF ANY EXCAVATION AND SUBSEQUENT REPLACEMENT OF EMBANKMENT (PER ITEM 203 EMBANKMENT) SHALL BE INCLUDED IN THE VARIOUS BID ITEMS FOR THE DRILLED SHAFTS AND LAGGING, UNLESS SEPARATELY ITEMIZED. NO SEPARATE PAYMENT WILL BE MADE.

METHOD OF MEASUREMENT: THE DEPARTMENT WILL MEASURE DRILLED SHAFTS ABOVE BEDROCK, AS PER PLAN, ALONG THE AXIS OF THE DRILLED SHAFT FROM THE TOP OF CONCRETE SHAFT TO THE TOP OF BEDROCK, AS DETERMINED BY THE ENGINEER. THE DEPARTMENT WILL MEASURE DRILLED SHAFTS INTO BEDROCK, AS PER PLAN, ALONG THE AXIS OF THE DRILLED SHAFT FROM TOP OF BEDROCK TO THE BOTTOM OF THE DRILLED SHAFT, AS DETERMINED BY THE ENGINEER.

PAYMENT IS FULL COMPENSATION FOR CONSTRUCTING THE DRILLED SHAFTS, INCLUDING FURNISHING AND PLACING CONCRETE AND LSM, REMOVAL OF CONCRETE OR LSM FROM AROUND THE SOLDIER PILE IN ORDER TO PLACE THE LAGGING AS WELL AS BACKFILLING ANY LSM REMOVED FOR LAGGING INSTALLATION WITH POROUS BACKFILL AS SHOWN IN THE PLANS.

**ITEM SPECIAL - RETAINING WALL, PRECAST CONCRETE LAGGING**

THIS WORK CONSISTS OF FURNISHING AND PLACING PRECAST REINFORCED CONCRETE PANELS BETWEEN THE SOLDIER PILES TO FUNCTION AS LAGGING FOR THE RETAINING WALL. PROVIDE PRECAST CONCRETE LAGGING FROM A PRECAST CONCRETE MANUFACTURER CERTIFIED ACCORDING TO SUPPLEMENT 1073. PROVIDE CLASSIC QC1 CONCRETE ACCORDING TO C&MS 499. PROVIDE EPOXY COATED REINFORCING STEEL ACCORDING TO C&MS 709.00. IN LIEU OF EPOXY COATING, A CORROSION INHIBITING CONCRETE ADMIXTURE MAY BE USED AT THE SPECIFIED DOSAGE RATE. A QUALIFIED PRODUCT LIST OF CORROSION INHIBITING ADMIXTURES IS ON FILE AT THE LABORATORY. MANUFACTURERS SHOULD RECOGNIZE THAT THE CORROSION INHIBITOR MAY AFFECT THE STRENGTH, ENTRAINED AIR CONTENT, WORKABILITY, ETC. OF THEIR CONCRETE MIXES. THE MANUFACTURER'S CHOICE TO USE ONE OF THESE CORROSION INHIBITORS DOES NOT ALLEVIATE MEETING ALL DESIGN REQUIREMENTS. DO NOT ALLOW THE DIMENSIONS OF THE LAGGING OR LOCATIONS OF THE REINFORCING STEEL TO VARY BY MORE THAN ¼ INCH. CAST THREADED INSERTS INTO THE TOP OF EACH PANEL FOR LIFTING AND PLACEMENT.

FINISH THE FACES OF THE PRECAST CONCRETE LAGGING PANELS THAT WILL NOT BE EXPOSED TO A UNIFORM SURFACE, FREE OF OPEN POCKETS OF AGGREGATE. *FINISH THE EXPOSED FACE OF THE PANELS TO A SMOOTH SURFACE. SEAL THE FRONT (EXPOSED) FACE AND SIDES OF EACH CONCRETE PANEL WITH ITEM 512, SEALING OF CONCRETE SURFACES (EPOXY URETHANE). THE COLOR OF THE URETHANE SHALL BE FEDERAL COLOR STANDARD NO. 17778 - LIGHT NATURAL.

PERMANENTLY MARK EACH PRECAST CONCRETE LAGGING PANEL TO INDICATE WHICH FACE WILL BE PLACED AGAINST THE SOIL. PLACE THE PANEL BETWEEN THE FLANGES OF THE SOLDIER PILES AND BEARING AGAINST THE FLANGES ON THE EXPOSED SIDE OF THE WALL SO THAT THE SOLDIER PILE FLANGE OVERLAPS THE END OF THE LAGGING BY AT LEAST ONE INCH MORE THAN THE CONCRETE COVER OVER THE REINFORCING STEEL AT BOTH ENDS OF THE LAGGING.

**ITEM SPECIAL - RETAINING WALL, PRECAST CONCRETE LAGGING - CONTINUED**

HANDLE, STORE, AND SHIP THE PRECAST CONCRETE LAGGING PANELS TO AVOID CHIPPING, CRACKING AND FRACTURING THE PANELS. SUPPORT THE PANELS ON FIRM BLOCKING WHILE STORING AND SHIPPING. DO NOT SHIP PANELS UNTIL CONCRETE HAS ATTAINED THE REQUIRED COMPRESSIVE STRENGTH. SUBMIT SHIPMENT DOCUMENTATION TO THE ENGINEER AS THE PANELS ARE DELIVERED TO THE PROJECT, INCLUDING THE PRECASTER'S RECORD OF FINAL INSPECTION, THE MEASUREMENT AND TOLERANCES, STRENGTH, AND DIMENSIONS OF EACH PANEL, ALONG WITH THE TE-24 SHIPPING DOCUMENT AND THE DAMAGE SURVEY REPORT ALL WALL PANELS.

INSPECT ALL PRECAST CONCRETE LAGGING PANELS AND REJECT PANELS HAVING ANY OF THE FOLLOWING:
1. DEFECTS THAT INDICATE IMPERFECT MOLDING.
2. DEFECTS THAT INDICATE HONEYCOMBED OR OPEN TEXTURE CONCRETE.
3. DEFECTS IN THE PHYSICAL CHARACTERISTICS OF THE CONCRETE, OR DAMAGE TO THE AESTHETIC SURFACE TREATMENTS.
4. CONCRETE CHIPS OR SPALLS THAT ARE LARGER THAN 4 INCHES WIDE OR 2 INCHES DEEP. REPAIR ALL CHIPS AND SPALLS THAT ARE SMALLER.
5. STAINED FORM FACES, DUE TO FORM OIL, CURING OR OTHER CONTAMINANTS.
6. SIGNS OF AGGREGATE SEGREGATION.
7. CRACKS WIDER THAN 0.01 INCH OR PENETRATING MORE THAN 1 INCH OR LONGER THAN 20 PERCENT OF THE LENGTH OF THE FACE CONTAINING THE CRACK.
8. PANELS THAT DO NOT MEET THE SPECIFIED DIMENSIONAL TOLERANCES.
9. UNUSABLE LIFTING INSERTS.
10. EXPOSED REINFORCING STEEL.
11. INSUFFICIENT CONCRETE COMPRESSIVE STRENGTH.

EITHER REPLACE DAMAGED PRECAST CONCRETE LAGGING PANELS OR DOCUMENT THE DAMAGE AND PROPOSE TO THE ENGINEER A REPAIR METHOD FOR THE DAMAGED PANEL; PERFORM REPAIRS WITH THE ACCEPTANCE OF THE ENGINEER. PROVIDE ACCEPTABLE REPLACEMENT PANELS FOR ANY THAT ARE REJECTED. WHEN INSTALLING THE PRECAST CONCRETE LAGGING PANELS, PLACE HARDWOOD WEDGES NEAR THE TOP AND BOTTOM ON EACH SIDE TO HOLD THE LAGGING PANELS AGAINST THE FRONT INSIDE FLANGE OF THE STEEL PILES.

PAYMENT FOR ALL LABOR, EQUIPMENT, AND MATERIAL REQUIRED TO FABRICATE, TRANSPORT, AND INSTALL THE PRECAST REINFORCED CONCRETE PANELS SHALL BE MADE AT THE CONTRACT UNIT PRICE PER SQUARE FOOT FOR ITEM SPECIAL - RETAINING WALL, PRECAST CONCRETE LAGGING.

**PLAN ABBREVIATIONS**

℄ = BASELINE
BM = BENCHMARK
BOT. OR BTM. = BOTTOM
℄ = CENTERLINE
C/C = CENTER TO CENTER
C.I.P. = CAST-IN-PLACE
C.J. = CONSTRUCTION JOINT
CLR. = CLEAR
CMS = CONSTRUCTION AND MATERIAL SPECIFICATIONS
CONC. = CONCRETE
CONST. = CONSTRUCTION
DIA. = DIAMETER
DIM. = DIMENSION
DWG. = DRAWING
EB = EASTBOUND
E.F. = EACH FACE
EL. OF ELEV. = ELEVATION
EQ. = EQUAL
EST. = ESTIMATED
EX. = EXISTING
F/F = FACE TO FACE
F.F. = FAR FACE
FT. = FOOT OR FEET
FTG. = FOOTING
JT. = JOINT
LT. = LEFT
MAX. = MAXIMUM
MIN. = MINIMUM
MISC. = MISCELLANEOUS
N.F. = NEAR FACE
NO. = NUMBER
N.P.C.P.P. = NON-PERFORATED CORRUGATED PLASTIC PIPE
O/O = OUT TO OUT
P.C.P.P. = PERFORATED CORRUGATED PLASTIC PIPE
P.E.J.F. = PREFORMED EXPANSION JOINT FILLER
PROP. = PROPOSED
PSF = POUNDS PER SQUARE FOOT
SER. = SERIES
SPA. = SPACE OR SPACES
STA. = STATION
STD. = STANDARD
STR = STRAIGHT
TYP. = TYPICAL
U.N.O. = UNLESS NOTED OTHERWISE
VAR. = VARIES
WB = WESTBOUND
WWR = WELDED WIRE REINFORCEMENT

WALL GENERAL NOTES
SITE 3B
EASTBOUND REST AREA

GUE-IR 70 REST AREAS TP

SFN
N/A

DESIGN AGENCY
COMPASS
INFRASTRUCTURE GROUP

| DESIGNER | CHECKER |
|---|---|
| JFK | DEB |

REVIEWER
JC 07/30/26

PROJECT ID
122882

| SUBSET | TOTAL |
|---|---|
| 3 | 10 |

| SHEET | TOTAL |
|---|---|
| P.85 | 112 |

| CALC: MJS | | DATE: 7/25/2026 | | **ESTIMATED QUANTITIES** | |
|---|---|---|---|---|---|
| CHECKED: DEB | | DATE: 7/29/2026 | | | |
| **ITEM** | **EXTENSION** | **TOTAL PART.** | **UNIT** | **DESCRIPTION** | **SHEET #** |
| 503 | 21300 | LS | LS | UNCLASSIFIED EXCAVATION | |
| | | | | | |
| 507 | 00400 | 2,320 | FT | STEEL PILES, MISC.: W24x104, FURNISHED | 3 OF 10 |
| | | | | | |
| 511 | 81300 | 5 | EACH | CONCRETE, MISC.: CLASS QC1 CONCRETE FOR RAISED PANEL SEAT | 3 OF 10 |
| | | | | | |
| 512 | 10101 | 900 | SY | SEALING OF CONCRETE SURFACES (EPOXY-URETHANE), AS PER PLAN | 3 OF 10 |
| | | | | | |
| 516 | 42000 | 996 | EACH | ELASTOMERIC BEARING PAD, MISC.: 6" x 10" x ⅜" THICK | 10 OF 10 |
| | | | | | |
| 518 | 20000 | 780 | SY | PREFABRICATED GEOCOMPOSITE DRAIN | |
| 518 | 21200 | 43 | CY | POROUS BACKFILL WITH GEOTEXTILE FABRIC | |
| 518 | 40000 | 570 | FT | 6" PERFORATED CORRUGATED PLASTIC PIPE | |
| 518 | 40010 | 40 | FT | 6" NON-PERFORATED CORRUGATED PLASTIC PIPE, INCLUDING SPECIALS | |
| | | | | | |
| 524 | 94703 | 300 | FT | DRILLED SHAFTS, 36" DIAMETER, ABOVE BEDROCK, AS PER PLAN | 3 OF 10 |
| 524 | 94705 | 1,080 | FT | DRILLED SHAFTS, 36" DIAMETER, INTO BEDROCK, AS PER PLAN | 3 OF 10 |
| | | | | | |
| SPECIAL | 53051010 | 7,000 | SF | RETAINING WALL, PRECAST CONCRETE LAGGING | 3 OF 10 |
| | | | | | |
| 601 | 37500 | 570 | FT | PAVED GUTTER, TYPE 1-2 | |



ESTIMATED QUANTITIES
SITE 3B
EAST BOUND REST AREA

SFN
N/A

DESIGN AGENCY
COMPASS
INFRASTRUCTURE GROUP

| DESIGNER | CHECKER |
|---|---|
| MJS | DEB |

REVIEWER
JC 07/30/26

PROJECT ID
122882

| SUBSET | TOTAL |
|---|---|
| 4 | 10 |

| SHEET | TOTAL |
|---|---|
| P.86 | 112 |