



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
16 STATE HOUSE STATION
AUGUSTA, MAINE 04333-0016

Janet T. Mills
GOVERNOR

Bruce A. Van Note
COMMISSIONER

May 25, 2023
Subject: Interstate 95 & Broadway Bridge
replacement, with Intersection safety
Improvements
State WIN: 021663.00 & 022276.01
Location: **Bangor**
Amendment No. 2

Dear Sir/Ms.:

Make the following changes to the Bid documents:

In the Bid Book

Change on page 14, NOTICE TO CONTRACTORS, the bid opening dated from “May 31, 2023”, to read “**June 7, 2023**”. Make this change in pen and ink.

Insert SPECIAL PROVISION SECTION 104 GENERAL RIGHTS AND RESPONSIBILITIES totaling one page

In the plan set:

On SHEET NUMBER 97 of 201, ABUTMENT NO. 1 PILE LAYOUT, **CHANGE** Pile Note 7 from “The Contractor shall provide access for the agents of the Department to perform 4 dynamic pile load tests, one at each abutment, with signal...” to read “The Contractor shall provide access for the agents of the Department to perform 4 dynamic pile load tests, one at each abutment **in each construction stage**, with signal...”. Make this change in pen and ink.

On SHEET NUMBER 140 of 201, LIGHTING PLAN (3 OF 6), **CHANGE** the second and fourth sentences of Note 35 from “Payment for conduit will be made under applicable section 626 items. Payment for precast concrete junction boxes will be made under item 626.11. Payment for wiring, surface mount electrical junction box, and all work ...” to read “Payment for conduit below ground will be made under applicable section 626 items. Payment for precast concrete junction boxes will be made under item 626.11. Payment for wiring, surface mount electrical junction box, above-ground conduit for wall pack units, and all work ...”. Make this change in pen and ink.

The following questions have been received:

Question: Does this project require certified rates and payroll?

Response: Yes. ME20230047 Highway Wage Rates were provided in Bid Amendment Number 1 dated 5/10/2023.

Question: Due to significant complexity of temporary structure design, time allowance for subcontractor and supplier analysis of plans and specifications, and Memorial Day Weekend holiday, we respectfully request a 2-week extension for this bid.

Response: Change on page 14, NOTICE TO CONTRACTORS, the bid opening dated from “May 31, 2023”, to read “June 7, 2023”. Make this change in pen and ink.

Question: We request earthwork computations for project 2227601 if they are available to confirm that the quantities for the temporary detour have been accounted for in the appropriate pay items as described in the “Basis of Payment” section of Special Provision 510.

Response: Earth work computations are attached for your reference. The computations are informational and are not guaranteed.

Question: Regarding H-pile splicing and prefabricated pile tips, section 501.047 and 501.048 of the MaineDOT Standard Specifications requires that all welding shall comply with Section 504 of MaineDOT Standard Specifications. Section 504 requires that all welding be done in accordance with AASHTO/AWS D1.5 Bridge Welding Code. Will nondestructive testing for H-pile splices and pile tips be required in accordance with Clause 8 of the AWS D1.5 Code?

Response: The contractor shall provide a CWI to perform 100% visual inspection of welds. Should the Department determine that the Quality Control of the Contractor is not producing welds with acceptable quality, then the Department may require the Contractor to perform additional Non-Destructive Testing (NDT), beyond visual inspection, in accordance with the AWS D1.5 welding code, at no additional cost to the Department.

Question: Please confirm that the PVC conduit that is required for the temporary traffic signal work is incidental to Bid Item 643.72.

Response: Yes. Per Note 1 on the Temporary Signal Plan (Sheet 196 of 201), the Temporary Conduit shall be considered incidental to the Temporary Traffic Signal work. This includes the temporary conduit to connect the Signal Interconnect to the existing controller and temporary signal conduits as shown on the Utility Plan (Sheet 201 of 201).

Question: Please confirm that the rigid metal conduit that is required for the under-bridge lighting is incidental to Bid Item 634.160.

Response: Yes, Note 35 on Lighting Plan (3 of 6) (Sheet 140 of 201), is modified to clarify that the above-ground metallic conduit attached to face of abutment is incidental to Item 634.160, Highway Lighting.

Question: Please confirm that the Sch. 80 PVC conduit that is required for the traffic signal work at the Broadway and I-95 northbound and southbound ramps is incidental to Bid Item 643.80.

Response: The schedule 80 conduit for the signal related work shall be paid for under item 626.22, Non-Metallic Conduit.

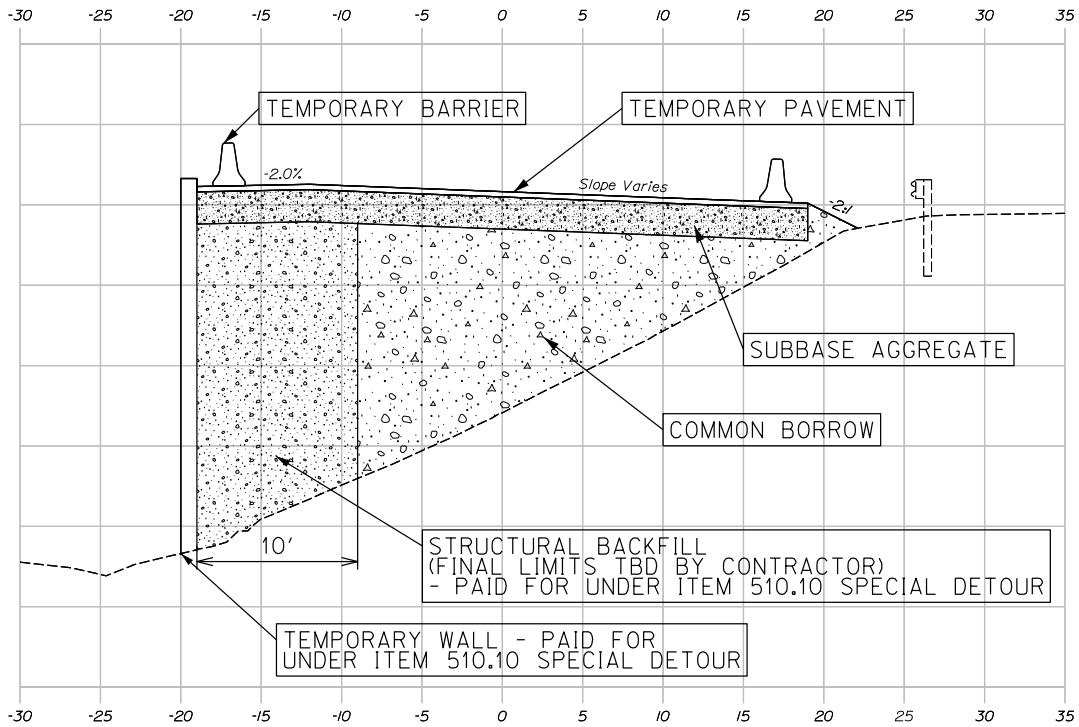
All conduit installed as a result of the on-ramp lighting as noted within the general notes (sheet 7, note 81), the general plans (sheet 10), and the signal plans (sheet 18), shall be considered as incidental to the 643.80 item number.

Consider these changes and information prior to submitting your bid on **June 7, 2023**.

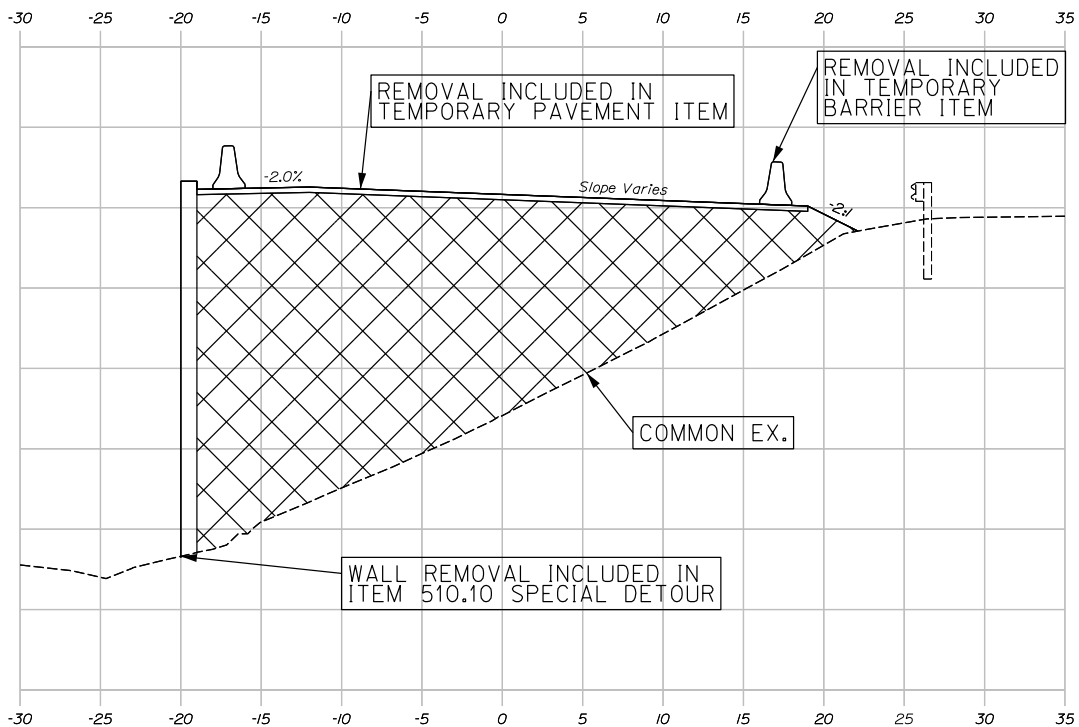
Sincerely,

George M. A. Macdougall P.E.
Contracts & Specifications Engineer

SPECIAL DETOUR - CONSTRUCTION



SPECIAL DETOUR - REMOVAL





McFARLAND-JOHNSON, INC.
 5 DEPOT STREET
 FREEPORT, ME 04032
 PHONE (207) 869-5419
 FAX (207) 869-5419

JOB: Bangor - Broadway
 SHEET: _____ OF: _____
 CALC. BY: JWF DATE: 3/7/2023
 CHCKD. BY: NME DATE: 3/8/2023
 SCALE: _____
 FAX (518) 580-9383

Included Cross Sections based on Traffic Control Phases

| Earthwork Summary Phase 1 | | | | | |
|--|----------|----------|------------------|----------|---------------------|
| Section | Cut | Fill | Grubbing in Fill | Gravel | Ret. Wall Backfill* |
| Southbound Diversion | 393.08 | 5,978.67 | 265.63 | 3,395.63 | 5,420.98 |
| Southbound Off Ramp & Intersection with Broadway | 1055.12 | 26.85 | 32.50 | 917.36 | 0 |
| Temporary Southbound Off Ramp | 239.65 | 2.99 | 34.13 | 272.15 | 0 |
| Totals | 1,687.86 | 6,008.51 | 332.26 | 4,585.14 | 5,420.98 |
| Earthwork Summary Phase 2 | | | | | |
| Section | Cut | Fill | Grubbing in Fill | Gravel | Granular Borrow |
| Northbound Crossover | 1347.00 | 0.00 | 0 | 1085.57 | 0 |
| Earthwork Summary Phase 3 | | | | | |
| Section | Cut | Fill | Grubbing in Fill | Gravel | Granular Borrow |
| Northbound Off Ramp | 452.77 | 0.00 | 9.57 | 390.10 | 0 |
| I-95 Mainline- Northbound | 222.92 | 315.24 | 26.90 | 2460.94 | 78.82 |
| Totals | 675.69 | 315.24 | 36.48 | 2851.04 | 78.82 |
| Earthwork Summary Phase 4 | | | | | |
| Section | Cut | Fill | Grubbing in Fill | Gravel | Granular Borrow |
| I-95 Mainline- Southbound | 67.73 | 624.81 | 312.44 | 2027.21 | 0.00 |
| Broadway | 0.00 | 0.00 | 0.00 | 225.03 | 0 |
| Totals | 67.73 | 624.81 | 312.44 | 2252.24 | 0.00 |
| Removal of gravel, granular borrow and fill | | | | | |
| Section | Fill | Gravel | Granular Borrow | | |
| Southbound Diversion | 6,244.30 | 3,395.63 | 5,420.98 | | |
| Northbound Crossover | 0.00 | 1085.57 | 0 | | |
| Southbound Off Ramp Widening | 13.19 | 917.36 | 0 | | |
| Totals | 6,257.49 | 5,398.56 | 5,420.98 | | |

* Assumed backfill
 10' behind wall.
 Actual dimensions to
 be determined by
 Contractor.



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JOB: Bangor - Broadway
SHEET: OF:
CALC. BY: JWF DATE: 3/7/2023
CHKD. BY: NME DATE: 3/8/2023
SCALE:
www.mjinc.com

NOTE: Areas Measured here: M:\18869.00 MainEDOT Broadway Final\Draw\Drawings\Work\Estimating File Name: Xsect_Estimating

| Section: | | | | SB Diversion | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------|--------|-----------|-------------|-----------------|--------|-----------|-------------|-----------|--------|-----------|-------------|-----------------|--------|-----------|-------------|-----------|--------|-----------|-------------|-----------------|--------|-----------|-------------|---------------|--------|-----------|-------------|-----------|-------|--------|--------|
| Cut | | | | NOTE ON STATION | | | | Fill | | | | NOTE ON STATION | | | | Gravel | | | | NOTE ON STATION | | | | Granular Fill | | | | | | | |
| Station | Length | Area (sf) | Volume (cy) | Station | Length | Area (sf) | Volume (cy) | Station | Length | Area (sf) | Volume (cy) | Station | Length | Area (sf) | Volume (cy) | Station | Length | Area (sf) | Volume (cy) | Station | Length | Area (sf) | Volume (cy) | Station | Length | Area (sf) | Volume (cy) | | | | |
| 303+00.00 | 0.00 | 0.00 | 0.00 | 303+00.00 | 0.00 | 0.00 | 0.00 | 303+00.00 | 0.00 | 0.00 | 0.00 | 303+00.00 | 0.00 | 0.00 | 0.00 | 303+00.00 | 0.00 | 0.00 | 0.00 | 303+00.00 | 0.00 | 0.00 | 0.00 | 303+00.00 | 0.00 | 0.00 | 0.00 | 303+00.00 | 0.00 | 0.00 | 0.00 |
| 303+50.00 | 50.00 | 0.00 | 0.00 | 303+50.00 | 50.00 | 0.00 | 0.00 | 303+50.00 | 50.00 | 0.00 | 0.00 | 303+50.00 | 50.00 | 0.00 | 0.00 | 303+50.00 | 50.00 | 0.00 | 0.00 | 303+50.00 | 50.00 | 0.00 | 0.00 | 303+50.00 | 50.00 | 0.00 | 0.00 | 303+50.00 | 50.00 | 0.00 | 0.00 |
| 304+00.00 | 50.00 | 6.72 | 12.44 | 304+00.00 | 50.00 | 0.00 | 0.00 | 304+00.00 | 50.00 | 0.00 | 0.00 | 304+00.00 | 50.00 | 6.51 | 12.06 | 304+00.00 | 50.00 | 13.02 | 24.00 | 304+00.00 | 50.00 | 17.03 | 31.52 | 304+00.00 | 50.00 | 0.00 | 0.00 | 304+00.00 | 50.00 | 0.00 | 0.00 |
| 304+50.00 | 50.00 | 15.51 | 28.71 | 304+50.00 | 50.00 | 0.42 | 0.77 | 304+50.00 | 50.00 | 0.83 | 1.52 | 304+50.00 | 50.00 | 21.02 | 39.45 | 304+50.00 | 50.00 | 25.59 | 47.39 | 304+50.00 | 50.00 | 29.21 | 54.00 | 304+50.00 | 50.00 | 0.00 | 0.00 | 304+50.00 | 50.00 | 0.00 | 0.00 |
| 305+00.00 | 50.00 | 16.89 | 31.28 | 305+00.00 | 50.00 | 0.42 | 0.77 | 305+00.00 | 50.00 | 0.42 | 0.77 | 305+00.00 | 50.00 | 30.16 | 56.10 | 305+00.00 | 50.00 | 35.71 | 66.45 | 305+00.00 | 50.00 | 39.45 | 72.00 | 305+00.00 | 50.00 | 0.00 | 0.00 | 305+00.00 | 50.00 | 1.75 | 3.23 |
| 305+50.00 | 50.00 | 15.17 | 28.09 | 305+50.00 | 50.00 | 0.10 | 0.19 | 305+50.00 | 50.00 | 0.20 | 0.37 | 305+50.00 | 50.00 | 44.85 | 82.45 | 305+50.00 | 50.00 | 49.93 | 92.20 | 305+50.00 | 50.00 | 53.21 | 98.00 | 305+50.00 | 50.00 | 0.00 | 0.00 | 305+50.00 | 50.00 | 13.35 | 24.72 |
| 306+00.00 | 50.00 | 9.90 | 18.32 | 306+00.00 | 50.00 | 4.43 | 8.20 | 306+00.00 | 50.00 | 4.43 | 8.20 | 306+00.00 | 50.00 | 45.01 | 83.20 | 306+00.00 | 50.00 | 48.96 | 90.67 | 306+00.00 | 50.00 | 52.91 | 98.00 | 306+00.00 | 50.00 | 0.00 | 0.00 | 306+00.00 | 50.00 | 35.89 | 66.45 |
| 306+50.00 | 50.00 | 5.66 | 10.53 | 306+50.00 | 50.00 | 8.66 | 16.10 | 306+50.00 | 50.00 | 8.66 | 16.10 | 306+50.00 | 50.00 | 45.01 | 83.20 | 306+50.00 | 50.00 | 48.96 | 90.67 | 306+50.00 | 50.00 | 52.91 | 98.00 | 306+50.00 | 50.00 | 0.00 | 0.00 | 306+50.00 | 50.00 | 48.56 | 90.67 |
| 307+00.00 | 50.00 | 6.31 | 11.69 | 307+00.00 | 50.00 | 39.51 | 73.17 | 307+00.00 | 50.00 | 39.51 | 73.17 | 307+00.00 | 50.00 | 62.35 | 115.45 | 307+00.00 | 50.00 | 66.04 | 123.00 | 307+00.00 | 50.00 | 70.00 | 130.00 | 307+00.00 | 50.00 | 0.00 | 0.00 | 307+00.00 | 50.00 | 65.86 | 121.96 |
| 307+50.00 | 50.00 | 8.96 | 16.69 | 307+50.00 | 50.00 | 56.13 | 106.30 | 307+50.00 | 50.00 | 56.13 | 106.30 | 307+50.00 | 50.00 | 73.47 | 136.06 | 307+50.00 | 50.00 | 77.16 | 144.00 | 307+50.00 | 50.00 | 80.85 | 151.00 | 307+50.00 | 50.00 | 0.00 | 0.00 | 307+50.00 | 50.00 | 99.19 | 183.69 |
| 308+00.00 | 50.00 | 5.35 | 10.00 | 308+00.00 | 50.00 | 104.01 | 197.60 | 308+00.00 | 50.00 | 104.01 | 197.60 | 308+00.00 | 50.00 | 75.16 | 140.00 | 308+00.00 | 50.00 | 78.85 | 148.00 | 308+00.00 | 50.00 | 82.54 | 155.00 | 308+00.00 | 50.00 | 0.00 | 0.00 | 308+00.00 | 50.00 | 115.22 | 218.39 |
| 308+50.00 | 50.00 | 1.02 | 1.94 | 308+50.00 | 50.00 | 146.48 | 279.96 | 308+50.00 | 50.00 | 146.48 | 279.96 | 308+50.00 | 50.00 | 76.04 | 142.24 | 308+50.00 | 50.00 | 79.73 | 150.00 | 308+50.00 | 50.00 | 83.42 | 157.00 | 308+50.00 | 50.00 | 0.00 | 0.00 | 308+50.00 | 50.00 | 128.73 | 238.39 |
| 309+00.00 | 50.00 | 0.00 | 0.00 | 309+00.00 | 50.00 | 163.00 | 301.88 | 309+00.00 | 50.00 | 163.00 | 301.88 | 309+00.00 | 50.00 | 76.04 | 142.24 | 309+00.00 | 50.00 | 79.73 | 150.00 | 309+00.00 | 50.00 | 83.42 | 157.00 | 309+00.00 | 50.00 | 0.00 | 0.00 | 309+00.00 | 50.00 | 151.61 | 280.76 |
| 309+50.00 | 50.00 | 0.00 | 0.00 | 309+50.00 | 50.00 | 179.55 | 339.00 | 309+50.00 | 50.00 | 179.55 | 339.00 | 309+50.00 | 50.00 | 76.03 | 142.20 | 309+50.00 | 50.00 | 79.72 | 150.00 | 309+50.00 | 50.00 | 83.41 | 157.00 | 309+50.00 | 50.00 | 0.00 | 0.00 | 309+50.00 | 50.00 | 160.98 | 306.45 |
| 310+00.00 | 50.00 | 0.00 | 0.00 | 310+00.00 | 50.00 | 212.17 | 392.91 | 310+00.00 | 50.00 | 212.17 | 392.91 | 310+00.00 | 50.00 | 76.03 | 142.20 | 310+00.00 | 50.00 | 79.72 | 150.00 | 310+00.00 | 50.00 | 83.41 | 157.00 | 310+00.00 | 50.00 | 0.00 | 0.00 | 310+00.00 | 50.00 | 171.53 | 317.64 |
| 310+50.00 | 50.00 | 0.00 | 0.00 | 310+50.00 | 50.00 | 244.79 | 454.50 | 310+50.00 | 50.00 | 244.79 | 454.50 | 310+50.00 | 50.00 | 76.02 | 142.16 | 310+50.00 | 50.00 | 79.71 | 150.00 | 310+50.00 | 50.00 | 83.40 | 157.00 | 310+50.00 | 50.00 | 0.00 | 0.00 | 310+50.00 | 50.00 | 182.07 | 347.49 |
| 311+00.00 | 50.00 | 0.00 | 0.00 | 311+00.00 | 50.00 | 256.53 | 475.05 | 311+00.00 | 50.00 | 256.53 | 475.05 | 311+00.00 | 50.00 | 76.02 | 142.16 | 311+00.00 | 50.00 | 79.71 | 150.00 | 311+00.00 | 50.00 | 83.40 | 157.00 | 311+00.00 | 50.00 | 0.00 | 0.00 | 311+00.00 | 50.00 | 182.25 | 337.49 |
| 311+50.00 | 50.00 | 0.00 | 0.00 | 311+50.00 | 50.00 | 268.26 | 500.00 | 311+50.00 | 50.00 | 268.26 | 500.00 | 311+50.00 | 50.00 | 76.02 | 142.16 | 311+50.00 | 50.00 | 79.71 | 150.00 | 311+50.00 | 50.00 | 83.40 | 157.00 | 311+50.00 | 50.00 | 0.00 | 0.00 | 311+50.00 | 50.00 | 182.42 | 347.49 |
| 312+00.00 | 50.00 | 0.00 | 0.00 | 312+00.00 | 50.00 | 269.09 | 494.61 | 312+00.00 | 50.00 | 269.09 | 494.61 | 312+00.00 | 50.00 | 76.02 | 142.16 | 312+00.00 | 50.00 | 79.71 | 150.00 | 312+00.00 | 50.00 | 83.40 | 157.00 | 312+00.00 | 50.00 | 0.00 | 0.00 | 312+00.00 | 50.00 | 181.68 | 336.44 |
| 312+50.00 | 50.00 | 0.00 | 0.00 | 312+50.00 | 50.00 | 265.92 | 489.00 | 312+50.00 | 50.00 | 265.92 | 489.00 | 312+50.00 | 50.00 | 76.02 | 142.16 | 312+50.00 | 50.00 | 79.71 | 150.00 | 312+50.00 | 50.00 | 83.40 | 157.00 | 312+50.00 | 50.00 | 0.00 | 0.00 | 312+50.00 | 50.00 | 180.93 | 334.06 |
| 313+00.00 | 50.00 | 0.00 | 0.00 | 313+00.00 | 50.00 | 253.63 | 469.69 | 313+00.00 | 50.00 | 253.63 | 469.69 | 313+00.00 | 50.00 | 76.02 | 142.17 | 313+00.00 | 50.00 | 79.71 | 150.00 | 313+00.00 | 50.00 | 83.40 | 157.00 | 313+00.00 | 50.00 | 0.00 | 0.00 | 313+00.00 | 50.00 | 175.00 | 324.06 |
| 313+50.00 | 50.00 | 0.00 | 0.00 | 313+50.00 | 50.00 | 241.34 | 447.00 | 313+50.00 | 50.00 | 241.34 | 447.00 | 313+50.00 | 50.00 | 76.01 | 142.17 | 313+50.00 | 50.00 | 79.70 | 150.00 | 313+50.00 | 50.00 | 83.39 | 157.00 | 313+50.00 | 50.00 | 0.00 | 0.00 | 313+50.00 | 50.00 | 169.06 | 318.00 |
| 314+00.00 | 50.00 | 0.00 | 0.00 | 314+00.00 | 50.00 | 239.38 | 443.29 | 314+00.00 | 50.00 | 239.38 | 443.29 | 314+00.00 | 50.00 | 76.01 | 142.16 | 314+00.00 | 50.00 | 79.70 | 150.00 | 314+00.00 | 50.00 | 83.39 | 157.00 | 314+00.00 | 50.00 | 0.00 | 0.00 | 314+00.00 | 50.00 | 166.70 | 308.70 |
| 314+50.00 | 50.00 | 0.00 | 0.00 | 314+50.00 | 50.00 | 237.41 | 439.00 | 314+50.00 | 50.00 | 237.41 | 439.00 | 314+50.00 | 50.00 | 76.01 | 142.16 | 314+50.00 | 50.00 | 79.70 | 150.00 | 314+50.00 | 50.00 | 83.39 | 157.00 | 314+50.00 | 50.00 | 0.00 | 0.00 | 314+50.00 | 50.00 | 164.34 | 304.00 |
| 315+00.00 | 50.00 | 0.00 | 0.00 | 315+00.00 | 50.00 | 118.71 | 219.82 | 315+00.00 | 50.00 | 118.71 | 219.82 | 315+00.00 | 50.00 | 38.01 | 70.38 | 315+00.00 | 50.00 | 38.01 | 70.38 | 315+00.00 | 50.00 | 38.01 | 70.38 | 315+00.00 | 50.00 | 0.00 | 0.00 | 315+00.00 | 50.00 | 82.17 | 152.17 |
| 315+50.00 | 50.00 | 0.00 | 0.00 | 315+50.00 | 50.00 | 0.00 | 0.00 | 315+50.00 | 50.00 | 0.00 | 0.00 | 315+50.00 | 50.00 | 0.00 | 0.00 | 315+50.00 | 50.00 | 0.00 | 0.00 | 315+50.00 | 50.00 | 0.00 | 0.00 | 315+50.00 | 50.00 | 0.00 | 0.00 | 315+50.00 | 50.00 | 0.00 | 0.00 |
| 316+00.00 | 50.00 | 0.00 | 0.00 | 316+00.00 | 50.00 | 0.00 | 0.00 | 316+00.00 | 50.00 | 0.00 | 0.00 | 316+00.00 | 50.00 | 0.00 | 0.00 | 316+00.00 | 50.00 | 0.00 | 0.00 | 316+00.00 | 50.00 | 0.00 | 0.00 | 316+00.00 | 50.00 | 0.00 | 0.00 | 316+00.00 | 50.00 | 0.00 | 0.00 |
| 316+50.00 | 50.00 | 0.00 | 0.00 | 316+50.00 | 50.00 | 110.00 | 205.70 | 316+50.00 | 50.00 | 110.00 | 205.70 | 316+50.00 | 50.00 | 38.01 | 70.38 | 316+50.00 | 50.00 | 38.01 | 70.38 | 316+50.00 | 50.00 | 38.01 | 70.38 | 316+50.00 | 50.00 | 0.00 | 0.00 | 316+50.00 | 50.00 | 135.30 | 250.55 |
| 317+00.00 | 50.00 | 0.76 | 1.40 | 317+00.00 | 50.00 | 220.00 | 418.00 | 317+00.00 | 50.00 | 220.00 | 418.00 | 317+00.00 | 50.00 | 76.01 | 142.16 | 317+00.00 | 50.00 | 79.70 | 150.00 | 317+00.00 | 50.00 | 83.39 | 157.00 | 317+00.00 | 50.00 | 0.00 | 0.00 | 317+00.00 | 50.00 | 210.59 | 395.00 |
| 317+50.00 | 50.00 | 1.51 | 2.82 | 317+50.00 | 50.00 | 179.77 | 332.90 | 317+50.00 | 50.00 | 179.77 | 332.90 | 317+50.00 | 50.00 | 76.01 | 142.16 | 317+50.00 | 50.00 | 79.70 | 150.00 | 317+50.00 | 50.00 | 83.39 | 157.00 | 317+50.00 | 50.00 | 0.00 | 0.00 | 317+50.00 | 50.00 | 200.25 | 370.83 |
| 318+00.00 | 50.00 | 0.90 | 1.67 | 318+00.00 | 50.00 | 139.53 | 262.00 | 318+00.00 | 50.00 | 139.53 | 262.00 | 318+00.00 | 50.00 | 76.01 | 142.16 | 318+00.00 | 50.00 | 79.70 | 150.00 | 318+00.00 | 50.00 | 83.39 | 157.00 | 318+00.00 | 50.00 | 0.00 | 0.00 | 318+00.00 | 50.00 | 129.91 | 243.00 |
| 318+50.00 | 50.00 | 0.29 | 0.55 | 318+50.00 | 50.00 | 150.27 | 278.28 | 318+50.00 | 50.00 | 150.27 | 278.28 | 318+50.00 | 50.00 | 76.01 | 142.16 | 318+50.00 | 50.00 | 79.70 | 150.00 | 318+50.00 | 50.00 | 83.39 | 157.00 | 318+50.00 | 50.00 | 0.00 | 0.00 | 318+50.00 | 50.00 | 135.36 | 250.67 |
| 319+00.00 | 50.00 | 0.19 | 0.35 | 319+00.00 | 50.00 | 161.01 | 300.00 | 319+00.00 | 50.00 | 161.01 | 300.00 | 319+00.00 | 50.00 | 76.01 | 142.16 | 319+00.00 | 50.00 | 79.70 | 150.00 | 319+00.00 | 50.00 | 83.39 | 15 | | | | | | | | |



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JOB: Bangor - Broadway
 SHEET: 06
 CALC. BY: JWF DATE: 3/7/2023
 CHCKD. BY: NME DATE: 3/8/2023
 SCALE:
 www.mjinc.com

AREAS TAKEN FROM TYPICALS
 ASSUMPTION: AREA FROM TYPICALS CARRIES OVER STATION LENGTH

| Location: NB Diversion Crossover Section | | | | | | | | | | | | |
|--|--------|-----------|-------------|-----------|--------|-----------|-------------|-----------|--------|-----------|-------------|--|
| Cut | | | | Fill | | | | Gravel | | | | |
| Station | Length | Area (sf) | Volume (cy) | Station | Length | Area (sf) | Volume (cy) | Station | Length | Area (sf) | Volume (cy) | |
| 402+65.00 | 10.00 | 26.92 | 9.97 | 402+65.00 | 10.00 | 0.00 | 0.00 | 402+65.00 | 10.00 | 21.41 | 7.93 | |
| 402+75.00 | 25.00 | 26.92 | 24.93 | 402+75.00 | 25.00 | 0.00 | 0.00 | 402+75.00 | 25.00 | 21.41 | 19.82 | |
| 403+00.00 | 25.00 | 26.92 | 24.93 | 403+00.00 | 25.00 | 0.00 | 0.00 | 403+00.00 | 25.00 | 21.41 | 19.82 | |
| 403+25.00 | 25.00 | 26.92 | 24.93 | 403+25.00 | 25.00 | 0.00 | 0.00 | 403+25.00 | 25.00 | 21.41 | 19.82 | |
| 403+50.00 | 25.00 | 26.92 | 24.93 | 403+50.00 | 25.00 | 0.00 | 0.00 | 403+50.00 | 25.00 | 21.41 | 19.82 | |
| 403+75.00 | 25.00 | 26.92 | 24.93 | 403+75.00 | 25.00 | 0.00 | 0.00 | 403+75.00 | 25.00 | 21.41 | 19.82 | |
| 404+00.00 | 25.00 | 26.92 | 24.93 | 404+00.00 | 25.00 | 0.00 | 0.00 | 404+00.00 | 25.00 | 21.41 | 19.82 | |
| 404+25.00 | 25.00 | 26.92 | 24.93 | 404+25.00 | 25.00 | 0.00 | 0.00 | 404+25.00 | 25.00 | 21.41 | 19.82 | |
| 404+50.00 | 25.00 | 26.92 | 24.93 | 404+50.00 | 25.00 | 0.00 | 0.00 | 404+50.00 | 25.00 | 21.41 | 19.82 | |
| 404+75.00 | 25.00 | 26.92 | 24.93 | 404+75.00 | 25.00 | 0.00 | 0.00 | 404+75.00 | 25.00 | 21.41 | 19.82 | |
| 405+00.00 | 25.00 | 26.92 | 24.93 | 405+00.00 | 25.00 | 0.00 | 0.00 | 405+00.00 | 25.00 | 21.41 | 19.82 | |
| 405+25.00 | 25.00 | 26.92 | 24.93 | 405+25.00 | 25.00 | 0.00 | 0.00 | 405+25.00 | 25.00 | 21.41 | 19.82 | |
| 405+50.00 | 25.00 | 26.92 | 24.93 | 405+50.00 | 25.00 | 0.00 | 0.00 | 405+50.00 | 25.00 | 21.41 | 19.82 | |
| 405+75.00 | 25.00 | 26.92 | 24.93 | 405+75.00 | 25.00 | 0.00 | 0.00 | 405+75.00 | 25.00 | 21.41 | 19.82 | |
| 406+00.00 | 25.00 | 26.92 | 24.93 | 406+00.00 | 25.00 | 0.00 | 0.00 | 406+00.00 | 25.00 | 21.41 | 19.82 | |
| 406+25.00 | 25.00 | 26.92 | 24.93 | 406+25.00 | 25.00 | 0.00 | 0.00 | 406+25.00 | 25.00 | 21.41 | 19.82 | |
| 406+50.00 | 25.00 | 26.92 | 24.93 | 406+50.00 | 25.00 | 0.00 | 0.00 | 406+50.00 | 25.00 | 21.41 | 19.82 | |
| 406+75.00 | 25.00 | 26.92 | 24.93 | 406+75.00 | 25.00 | 0.00 | 0.00 | 406+75.00 | 25.00 | 21.41 | 19.82 | |
| 407+00.00 | 25.00 | 26.92 | 24.93 | 407+00.00 | 25.00 | 0.00 | 0.00 | 407+00.00 | 25.00 | 21.41 | 19.82 | |
| 407+25.00 | 25.00 | 26.92 | 24.93 | 407+25.00 | 25.00 | 0.00 | 0.00 | 407+25.00 | 25.00 | 21.41 | 19.82 | |
| 407+50.00 | 16.00 | 26.92 | 15.95 | 407+50.00 | 25.00 | 0.00 | 0.00 | 407+50.00 | 25.00 | 21.41 | 19.82 | |
| 407+66.00 | 26.92 | | | 407+75.00 | 0.00 | | | 407+75.00 | 0.00 | | | |
| I-95 SB | | | | I-95 SB | | | | I-95 SB | | | | |
| 417+16.00 | 9.00 | 26.92 | 8.97 | 417+16.00 | 9.00 | 0.00 | 0.00 | 417+16.00 | 9.00 | 21.41 | 7.14 | |
| 417+25.00 | 25.00 | 26.92 | 24.93 | 417+25.00 | 25.00 | 0.00 | 0.00 | 417+25.00 | 25.00 | 21.41 | 19.82 | |
| 417+50.00 | 25.00 | 26.92 | 24.93 | 417+50.00 | 25.00 | 0.00 | 0.00 | 417+50.00 | 25.00 | 21.41 | 19.82 | |
| 417+75.00 | 25.00 | 26.92 | 24.93 | 417+75.00 | 25.00 | 0.00 | 0.00 | 417+75.00 | 25.00 | 21.41 | 19.82 | |
| 418+00.00 | 25.00 | 26.92 | 24.93 | 418+00.00 | 25.00 | 0.00 | 0.00 | 418+00.00 | 25.00 | 21.41 | 19.82 | |
| 418+25.00 | 25.00 | 26.92 | 24.93 | 418+25.00 | 25.00 | 0.00 | 0.00 | 418+25.00 | 25.00 | 21.41 | 19.82 | |
| 418+50.00 | 25.00 | 26.92 | 24.93 | 418+50.00 | 25.00 | 0.00 | 0.00 | 418+50.00 | 25.00 | 21.41 | 19.82 | |
| 418+75.00 | 25.00 | 26.92 | 24.93 | 418+75.00 | 25.00 | 0.00 | 0.00 | 418+75.00 | 25.00 | 21.41 | 19.82 | |
| 419+00.00 | 25.00 | 26.92 | 24.93 | 419+00.00 | 25.00 | 0.00 | 0.00 | 419+00.00 | 25.00 | 21.41 | 19.82 | |
| 419+25.00 | 25.00 | 26.92 | 24.93 | 419+25.00 | 25.00 | 0.00 | 0.00 | 419+25.00 | 25.00 | 21.41 | 19.82 | |
| 419+50.00 | 25.00 | 26.92 | 24.93 | 419+50.00 | 25.00 | 0.00 | 0.00 | 419+50.00 | 25.00 | 21.41 | 19.82 | |
| 419+75.00 | 25.00 | 26.92 | 24.93 | 419+75.00 | 25.00 | 0.00 | 0.00 | 419+75.00 | 25.00 | 21.41 | 19.82 | |
| 420+00.00 | 25.00 | 26.92 | 24.93 | 420+00.00 | 25.00 | 0.00 | 0.00 | 420+00.00 | 25.00 | 21.41 | 19.82 | |
| 420+25.00 | 25.00 | 26.92 | 24.93 | 420+25.00 | 25.00 | 0.00 | 0.00 | 420+25.00 | 25.00 | 21.41 | 19.82 | |
| 420+50.00 | 25.00 | 26.92 | 24.93 | 420+50.00 | 25.00 | 0.00 | 0.00 | 420+50.00 | 25.00 | 21.41 | 19.82 | |
| 420+75.00 | 25.00 | 26.92 | 24.93 | 420+75.00 | 25.00 | 0.00 | 0.00 | 420+75.00 | 25.00 | 21.41 | 19.82 | |
| 421+00.00 | 25.00 | 26.92 | 24.93 | 421+00.00 | 25.00 | 0.00 | 0.00 | 421+00.00 | 25.00 | 21.41 | 19.82 | |
| 421+25.00 | 25.00 | 26.92 | 24.93 | 421+25.00 | 25.00 | 0.00 | 0.00 | 421+25.00 | 25.00 | 21.41 | 19.82 | |
| 421+50.00 | 25.00 | 26.92 | 24.93 | 421+50.00 | 25.00 | 0.00 | 0.00 | 421+50.00 | 25.00 | 21.41 | 19.82 | |
| 421+75.00 | 25.00 | 26.92 | 24.93 | 421+75.00 | 25.00 | 0.00 | 0.00 | 421+75.00 | 25.00 | 21.41 | 19.82 | |
| 422+00.00 | 25.00 | 26.92 | 24.93 | 422+00.00 | 25.00 | 0.00 | 0.00 | 422+00.00 | 25.00 | 21.41 | 19.82 | |
| 422+25.00 | 25.00 | 26.92 | 24.93 | 422+25.00 | 25.00 | 0.00 | 0.00 | 422+25.00 | 25.00 | 21.41 | 19.82 | |
| 422+50.00 | 25.00 | 26.92 | 24.93 | 422+50.00 | 25.00 | 0.00 | 0.00 | 422+50.00 | 25.00 | 21.41 | 19.82 | |
| 422+75.00 | 25.00 | 26.92 | 24.93 | 422+75.00 | 25.00 | 0.00 | 0.00 | 422+75.00 | 25.00 | 21.41 | 19.82 | |
| 423+00.00 | 25.00 | 26.92 | 24.93 | 423+00.00 | 25.00 | 0.00 | 0.00 | 423+00.00 | 25.00 | 21.41 | 19.82 | |
| 423+25.00 | 25.00 | 26.92 | 24.93 | 423+25.00 | 25.00 | 0.00 | 0.00 | 423+25.00 | 25.00 | 21.41 | 19.82 | |
| 423+50.00 | 25.00 | 26.92 | 24.93 | 423+50.00 | 25.00 | 0.00 | 0.00 | 423+50.00 | 25.00 | 21.41 | 19.82 | |
| 423+75.00 | 25.00 | 26.92 | 24.93 | 423+75.00 | 25.00 | 0.00 | 0.00 | 423+75.00 | 25.00 | 21.41 | 19.82 | |
| 424+00.00 | 25.00 | 26.92 | 24.93 | 424+00.00 | 25.00 | 0.00 | 0.00 | 424+00.00 | 25.00 | 21.41 | 19.82 | |
| 424+25.00 | 25.00 | 26.92 | 24.93 | 424+25.00 | 25.00 | 0.00 | 0.00 | 424+25.00 | 25.00 | 21.41 | 19.82 | |
| 424+50.00 | 25.00 | 26.92 | 24.93 | 424+50.00 | 25.00 | 0.00 | 0.00 | 424+50.00 | 25.00 | 21.41 | 19.82 | |
| 424+75.00 | 25.00 | 26.92 | 24.93 | 424+75.00 | 25.00 | 0.00 | 0.00 | 424+75.00 | 25.00 | 21.41 | 19.82 | |
| 425+00.00 | 25.00 | 26.92 | 24.93 | 425+00.00 | 25.00 | 0.00 | 0.00 | 425+00.00 | 25.00 | 21.41 | 19.82 | |
| 425+25.00 | 25.00 | 26.92 | 24.93 | 425+25.00 | 25.00 | 0.00 | 0.00 | 425+25.00 | 25.00 | 21.41 | 19.82 | |
| 425+50.00 | 16.00 | 26.92 | 15.95 | 425+50.00 | 25.00 | 0.00 | 0.00 | 425+50.00 | 25.00 | 21.41 | 19.82 | |
| 425+66.00 | 26.92 | | | 425+75.00 | 0.00 | | | 425+75.00 | 0.00 | | | |
| Total = | | | 1347.00 | Total = | | | 0.00 | Total = | | | 1085.57 | |

Color Indicates value is pulled into EWS



McFARLAND-JOHNSON, INC.
 5 DEPOT STREET
 FREEPORT, ME 04032
 PHONE (207) 869-5419
 FAX (207) 869-5419
 www.mjinc.com

JOB: Bangor - Broadway
 SHEET: OF:
 CALC. BY: JWF DATE: 3/7/2023
 CHECKED BY: NME DATE: 3/8/2023
 SCALE:

Depth of grubbing (Ft) 0.50

Location: SB Diversion

| Station | Length | Length in Cut (For Area, LF) | Length in Fill (For Area, LF) | Length in Gran. Fill (For Area, LF) | Area in Cut (sf) | Area in Fill (sf) | Area in Granular Fill (sf) | Volume in Cut (CY) | Volume in Fill (CY) | Volume in Gran. Fill (CY) |
|-----------|--------|------------------------------|-------------------------------|-------------------------------------|------------------|-------------------|----------------------------|--------------------|---------------------|---------------------------|
| 303+00.00 | 50.00 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 303+50.00 | 50.00 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 304+00.00 | 50.00 | 7 | 0 | 0 | 3.50 | 0.00 | 0.00 | 4.50 | 0.43 | 0.00 |
| 304+50.00 | 50.00 | 11 | 1.71 | 0 | 5.50 | 0.86 | 0.00 | 6.66 | 0.43 | 0.00 |
| 305+00.00 | 50.00 | 15.62 | 0 | 0 | 7.81 | 0.00 | 0.00 | 9.66 | 0.00 | 0.00 |
| 305+50.00 | 50.00 | 23 | 0 | 0 | 11.50 | 0.00 | 0.00 | 13.63 | 0.00 | 0.00 |
| 306+00.00 | 50.00 | 6.43 | 16.57 | 0 | 3.21 | 8.29 | 0.00 | 3.21 | 9.29 | 0.00 |
| 306+50.00 | 50.00 | 6.41 | 20.59 | 0 | 3.21 | 10.30 | 0.00 | 4.80 | 7.94 | 0.00 |
| 307+00.00 | 50.00 | 12.78 | 11.17 | 0 | 6.39 | 5.59 | 0.00 | 5.30 | 4.49 | 0.00 |
| 307+50.00 | 50.00 | 8.43 | 6.78 | 0 | 4.22 | 3.39 | 0.00 | 3.21 | 5.07 | 0.00 |
| 308+00.00 | 50.00 | 4.42 | 13.51 | 0 | 2.21 | 6.76 | 0.00 | 1.11 | 4.18 | 0.00 |
| 308+50.00 | 50.00 | 0 | 3.19 | 0 | 0.00 | 1.60 | 0.00 | 0.00 | 2.52 | 0.00 |
| 309+00.00 | 50.00 | 0 | 6.88 | 0 | 0.00 | 3.44 | 0.00 | 0.00 | 3.78 | 0.00 |
| 309+50.00 | 50.00 | 0 | 8.25 | 0 | 0.00 | 4.13 | 0.00 | 0.00 | 3.93 | 0.00 |
| 310+00.00 | 50.00 | 0 | 7.47 | 0 | 0.00 | 3.74 | 0.00 | 0.00 | 3.90 | 0.00 |
| 310+50.00 | 50.00 | 0 | 8.14 | 0 | 0.00 | 4.07 | 0.00 | 0.00 | 4.15 | 0.00 |
| 311+00.00 | 50.00 | 0 | 8.44 | 0 | 0.00 | 4.22 | 0.00 | 0.00 | 2.11 | 0.00 |
| 311+50.00 | 50.00 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 312+00.00 | 50.00 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 312+50.00 | 50.00 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 313+00.00 | 50.00 | 4.14 | 7.72 | 0 | 1.04 | 1.93 | 0.00 | 2.07 | 3.86 | 0.00 |
| 313+50.00 | 50.00 | 0 | 11.88 | 0 | 1.04 | 4.90 | 0.00 | 0.00 | 5.94 | 0.00 |
| 314+00.00 | 50.00 | 0 | 10.09 | 0 | 0.00 | 5.49 | 0.00 | 0.00 | 5.05 | 0.00 |
| 314+50.00 | 50.00 | 0 | 10.07 | 0 | 0.00 | 5.04 | 0.00 | 0.00 | 5.48 | 0.00 |
| 315+00.00 | 50.00 | 0 | 11.83 | 0 | 1.93 | 4.28 | 0.00 | 3.86 | 2.64 | 0.00 |
| 315+50.00 | 50.00 | 7.71 | 5.28 | 0 | 2.29 | 3.57 | 0.00 | 0.73 | 4.50 | 0.00 |
| 316+00.00 | 50.00 | 1.45 | 8.99 | 0 | 1.56 | 5.19 | 0.00 | 2.40 | 5.89 | 0.00 |
| 316+50.00 | 50.00 | 4.79 | 11.77 | 0 | 6.72 | 3.99 | 0.00 | 11.05 | 2.10 | 0.00 |
| 317+00.00 | 50.00 | 22.09 | 4.2 | 0 | 11.89 | 2.02 | 0.00 | 12.73 | 1.93 | 0.00 |
| 317+50.00 | 50.00 | 25.45 | 3.86 | 0 | 8.42 | 2.94 | 0.00 | 4.12 | 3.95 | 0.00 |
| 318+00.00 | 50.00 | 8.24 | 7.89 | 0 | 5.45 | 4.27 | 0.00 | 6.79 | 4.60 | 0.00 |
| 318+50.00 | 50.00 | 13.57 | 9.2 | 0 | 6.04 | 12.68 | 0.00 | 5.30 | 20.76 | 0.00 |
| 319+00.00 | 50.00 | 10.59 | 41.51 | 0 | 3.40 | 11.21 | 0.00 | 1.50 | 1.66 | 0.00 |
| 319+50.00 | 50.00 | 3 | 3.32 | 0 | 1.11 | 3.09 | 0.00 | 0.72 | 4.53 | 0.00 |
| 320+00.00 | 50.00 | 1.43 | 9.05 | 0 | 2.12 | 4.65 | 0.00 | 3.52 | 4.78 | 0.00 |
| 320+50.00 | 50.00 | 7.04 | 9.56 | 0 | 5.54 | 4.38 | 0.00 | 7.56 | 3.98 | 0.00 |
| 321+00.00 | 50.00 | 15.12 | 7.96 | 0 | 3.78 | 1.99 | 0.00 | 0.00 | 0.00 | 0.00 |
| 321+50.00 | 50.00 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

203.44 265.63 0

| Station | Length | Length in Fill (For Area, LF) | Area in Fill (sf) | Volume in Fill (CY) |
|----------|--------|-------------------------------|-------------------|---------------------|
| 80+00.00 | 50 | 0.00 | 0.00 | 0.00 |
| 80+50.00 | 50 | 0.70 | 0.35 | 0.175 |
| 81+00.00 | 50 | 1.17 | 0.59 | 0.4675 |
| 81+50.00 | 50 | 1.32 | 0.66 | 0.6225 |
| 82+00.00 | 50 | 8.94 | 4.47 | 2.565 |
| 82+50.00 | 50 | 4.25 | 2.13 | 3.2975 |
| 83+00.00 | 50 | 4.41 | 2.21 | 2.165 |
| 83+50.00 | 50 | 3.69 | 1.85 | 2.025 |
| 84+00.00 | 50 | 2.85 | 1.43 | 1.635 |
| 84+50.00 | 50 | 4.66 | 2.33 | 1.8775 |
| 85+00.00 | 50 | 2.84 | 1.42 | 1.875 |
| 85+50.00 | 50 | 1.48 | 0.74 | 1.08 |
| 86+00.00 | 50 | 0.55 | 0.28 | 0.5075 |
| 86+50.00 | 50 | 0.00 | 0.00 | 0.1375 |
| Total | | | | 34.13 |

Depth of grubbing (Ft) 0.50
 Location: TEMP SB OFF RAMP WIDENING

Followed MaineDOT Grubbing in Fill Standards

SPECIAL PROVISION
SECTION 104
GENERAL RIGHTS AND RESPONSIBILITIES
(Electronic Payroll Submission)
(Payment Tracking)

104.3.8.1 Electronic Payroll Submission The prime contractor and all subcontractors and lower-tier subcontractors will submit their certified payrolls electronically on this contract utilizing the Elation System web based reporting. There is no charge to the contracting community for the use of this service. The submission of paper payrolls will not be allowed or accepted. Additional information can be found at <http://www.maine.gov/mdot/contractors/> under the first “Notice”.

104.3.8.2 Payment Tracking The prime contractor and all subcontractors and lower-tier subcontractors will track and confirm the delivery and receipt of all payments through the Elation System