

DISTRIBUTION OF QUANTITIES

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Project Name - Bridge Group 48A - Howard Rd

Estimate Name - 90% Estimate

R.I. Contract No. - 2018-CB-085

FAP Nos: BRO-0459(002)

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|-----------------------------|-----------|--------------------------------------------------------|-----------|---------------|----------|----------|
| 001 | 201.0321 | CLEARING AND GRUBBING | SY | | | |
| | | HOWARD RD | | | | |
| | | 0 | | 120.00 | 0040 | 01 |
| Item 201.0321 Total: | | | | 120.00 | | |
| 002 | 201.0415 | REMOVE AND DISPOSE GUARDRAIL AND POST ALL TYPES | LF | | | |
| | | HOWARD RD | | | | |
| | | 0 | | 14.00 | 0040 | 01 |
| Item 201.0415 Total: | | | | 14.00 | | |
| 003 | 202.0100 | EARTH EXCAVATION | CY | | | |
| | | HOWARD RD | | | | |
| | | 0 | | 200.00 | 0040 | 01 |
| Item 202.0100 Total: | | | | 200.00 | | |
| 004 | 202.0800 | GRAVEL BORROW | CY | | | |
| | | HOWARD RD | | | | |
| | | 0 | | 15.00 | 0040 | 01 |
| Item 202.0800 Total: | | | | 15.00 | | |
| 005 | 203.0100 | STRUCTURAL EXCAVATION EARTH | CY | | | |
| | | HOWARD RD | | | | |
| | | 0 | | 28.00 | 0040 | 01 |
| Item 203.0100 Total: | | | | 28.00 | | |
| 006 | 203.0700 | PERVIOUS FILL | CY | | | |
| | | HOWARD RD | | | | |
| | | 0 | | 61.00 | 0040 | 01 |
| Item 203.0700 Total: | | | | 61.00 | | |
| 007 | 302.0100 | GRAVEL BORROW SUBBASE COURSE | CY | | | |
| | | HOWARD RD | | | | |

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| 007 | 302.0100 | Cont. | | 0 | 115.00 | 0040 01 |
| | | | | Item 302.0100 Total: | | 115.00 |
| 008 | 401.1000 | CLASS 19.0 HMA HOWARD RD | TON | 0 | 60.00 | 0040 01 |
| | | | | Item 401.1000 Total: | | 60.00 |
| 009 | 401.2000 | CLASS 12.5 HMA HOWARD RD | TON | 0 | 30.00 | 0040 01 |
| | | | | Item 401.2000 Total: | | 30.00 |
| 010 | 401.3000 | CLASS 9.5 HMA HOWARD RD | TON | 0 | 38.00 | 0040 01 |
| | | | | Item 401.3000 Total: | | 38.00 |
| 011 | 403.0300 | ASPHALT EMULSION TACK COAT HOWARD RD | SY | 0 | 490.00 | 0040 01 |
| | | | | Item 403.0300 Total: | | 490.00 |
| 012 | 409.0000 | SAW & SEAL TRANSVERSE JOINTS IN BITUMINOUS CONCRETE PAVEMENT OVER RIGID BASE HOWARD RD | LF | 0 | 37.00 | 0040 01 |
| | | | | Item 409.0000 Total: | | 37.00 |
| 013 | 803.9901 | REMOVAL OF EXISTING SUPERSTRUCTURE HOWARD RD | LS | 0 | 1.00 | 0040 01 |

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|----------|-----------|-----------------------------------------------------------------------------|----|----------------------|----------|----------|
| 013 | 803.9901 | Cont. | | | | |
| | | | | Item 803.9901 Total: | | 1.00 |
| 014 | 803.9902 | REMOVE, SALVAGE AND STOCKPILE PORTION OF EXISTING ABUTMENTS HOWARD RD | CY | | | |
| | | | | 0 | 53.00 | 0040 01 |
| | | | | Item 803.9902 Total: | | 53.00 |
| 015 | 806.9901 | PRESSURE TREATED LUMBER HOWARD RD | LS | | | |
| | | | | 0 | 1.00 | 0040 01 |
| | | | | Item 806.9901 Total: | | 1.00 |
| 016 | 807.9901 | CHINKING EXISTING MASONRY HOWARD RD | SF | | | |
| | | | | 0 | 290.00 | 0040 01 |
| | | | | Item 807.9901 Total: | | 290.00 |
| 017 | 808.0322 | CONCRETE SUBSTRUCTURE CLASS HP 3/4'' END POSTS HOWARD RD | CY | | | |
| | | | | 0 | 8.00 | 0040 01 |
| | | | | Item 808.0322 Total: | | 8.00 |
| 018 | 808.0505 | CONCRETE SUBSTRUCTURE CLASS HP 3/4'' WALL STEMS HOWARD RD | CY | | | |
| | | | | 0 | 11.00 | 0040 01 |
| | | | | Item 808.0505 Total: | | 11.00 |
| 019 | 808.0506 | CONCRETE SUBSTRUCTURE CLASS HP 3/4'' ABUT STEMS HOWARD RD | CY | | | |

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| 019 | 808.0506 | Cont. | | 0 | | |
| | | | | 31.00 | 0040 | 01 |
| Item 808.0506 Total: | | | | 31.00 | | |
| 020 | 808.0508 | CONCRETE SUBSTRUCTURE CLASS XX 3/4'' APPROACH SLABS HOWARD RD | CY | | | |
| | | | | 0 | | |
| | | | | 23.00 | 0040 | 01 |
| Item 808.0508 Total: | | | | 23.00 | | |
| 021 | 808.0602 | CONCRETE SUBSTRUCTURE CLASS HP 3/4'' BACKWALLS HOWARD RD | CY | | | |
| | | | | 0 | | |
| | | | | 19.00 | 0040 | 01 |
| Item 808.0602 Total: | | | | 19.00 | | |
| 022 | 808.1614 | PREFORMED JOINT FILLER EXPANDED RUBBER 1" HOWARD RD | SF | | | |
| | | | | 0 | | |
| | | | | 62.00 | 0040 | 01 |
| Item 808.1614 Total: | | | | 62.00 | | |
| 023 | 808.1640 | PREFORMED POLYETHYLENE FOAM JOINT FILLER 1/2'' HOWARD RD | SF | | | |
| | | | | 0 | | |
| | | | | 45.00 | 0040 | 01 |
| Item 808.1640 Total: | | | | 45.00 | | |
| 024 | 808.1670 | POLYURETHANE JOINT SEALANT HOWARD RD | CI | | | |
| | | | | 0 | | |
| | | | | 300.00 | 0040 | 01 |
| Item 808.1670 Total: | | | | 300.00 | | |
| 025 | 808.1810 | CONCRETE SURFACE FINISHING RUBBED | SF | | | |

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| 025 | 808.1810 | Cont. REGULAR | | | | |
| | | HOWARD RD | | | | |
| | | 0 | | 790.00 | 0040 | 01 |
| Item 808.1810 Total: | | | | 790.00 | | |
| 026 | 810.0210 | GALVANIZED BAR REINFORCEMENT GRADE | LBS | | | |
| | | 60 | | | | |
| | | HOWARD RD | | | | |
| | | 0 | | 9,700.00 | 0040 | 01 |
| Item 810.0210 Total: | | | | 9,700.00 | | |
| 027 | 819.0800 | DRILL AND GROUT REINFORCING DOWELS | EACH | | | |
| | | HOWARD RD | | | | |
| | | 0 | | 70.00 | 0040 | 01 |
| Item 819.0800 Total: | | | | 70.00 | | |
| 028 | 820.0110 | CONCRETE SURFACE TREATMENT | SF | | | |
| | | (PROTECTIVE COATING) | | | | |
| | | HOWARD RD | | | | |
| | | 0 | | 580.00 | 0040 | 01 |
| Item 820.0110 Total: | | | | 580.00 | | |
| 029 | 824.9901 | AASHTO M270 GRADE 50 STEEL FURNISH | LBS | | | |
| | | FAB & ERECT ROLLED SIMPLE SPANS | | | | |
| | | HOWARD RD | | | | |
| | | 0 | | 47,000.00 | 0040 | 01 |
| Item 824.9901 Total: | | | | 47,000.00 | | |
| S030 | 824.9902 | REHABILITATION OF EXISTING | LS | | | |
| | | HISTORIC TRUSSES | | | | |
| | | HOWARD RD | | | | |
| | | 0 | | 1.00 | 0040 | 01 |
| Item 824.9902 Total: | | | | 1.00 | | |

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|----------|-----------|-------------------------------|------|-----------------------------|----------|----------|
| S031 | 827.8038 | THERMAL SPRAYED ZINC COATING | SF | | | |
| | | STRUCTURAL STEEL | | | | |
| | | HOWARD RD | | | | |
| | | 0 | | 4,000.00 | 0040 | 01 |
| | | | | Item 827.8038 Total: | | |
| | | | | 4,000.00 | | |
| 032 | 828.9901 | ELASTOMERIC BEARING PADS | EACH | | | |
| | | HOWARD RD | | | | |
| | | 0 | | 22.00 | 0040 | 01 |
| | | | | Item 828.9901 Total: | | |
| | | | | 22.00 | | |
| 033 | 830.0220 | STEEL BRIDGE RAIL 2 BAR CRASH | LF | | | |
| | | TESTED | | | | |
| | | HOWARD RD | | | | |
| | | 0 | | 131.00 | 0040 | 01 |
| | | | | Item 830.0220 Total: | | |
| | | | | 131.00 | | |
| S034 | 830.9901 | REHABILITATION OF EXISTING | LS | | | |
| | | HISTORIC BRIDGE RAILINGS | | | | |
| | | HOWARD RD | | | | |
| | | 0 | | 1.00 | 0040 | 01 |
| | | | | Item 830.9901 Total: | | |
| | | | | 1.00 | | |
| S035 | 830.9902 | REPLACE ROSETTES | EACH | | | |
| | | HOWARD RD | | | | |
| | | 0 | | 57.00 | 0040 | 01 |
| | | | | Item 830.9902 Total: | | |
| | | | | 57.00 | | |
| S036 | 830.9903 | FABRICATE REPLICA END POSTS | EACH | | | |
| | | HOWARD RD | | | | |
| | | 0 | | 1.00 | 0040 | 01 |
| | | | | Item 830.9903 Total: | | |
| | | | | 1.00 | | |

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| S037 | 830.9904 | FABRICATE REPLICA END POST CAPS | EACH | | | |
| | | HOWARD RD | | | | |
| | | 0 | | 1.00 | 0040 | 01 |
| Item 830.9904 Total: | | | | 1.00 | | |
| S038 | 830.9905 | REMOVE AND REPLACE LATTICE MEMBERS | EACH | | | |
| | | HOWARD RD | | | | |
| | | 0 | | 11.00 | 0040 | 01 |
| Item 830.9905 Total: | | | | 11.00 | | |
| 039 | 901.0199 | GUARDRAIL END TREATMENT, ENERGY | EACH | | | |
| | | ABSORBING TERMINAL | | | | |
| | | HOWARD RD | | | | |
| | | 0 | | 2.00 | 0040 | 01 |
| Item 901.0199 Total: | | | | 2.00 | | |
| 040 | 901.9901 | STEEL BEAM BRIDGE CONNECTION | EACH | | | |
| | | APPROACH END (W/NESTED RAIL) | | | | |
| | | HOWARD RD | | | | |
| | | 0 | | 1.00 | 0040 | 01 |
| Item 901.9901 Total: | | | | 1.00 | | |
| 041 | 901.9902 | STEEL BEAM BRIDGE CONNECTION | EACH | | | |
| | | TRAILING END (W/O NESTED RAIL) | | | | |
| | | HOWARD RD | | | | |
| | | 0 | | 1.00 | 0040 | 01 |
| Item 901.9902 Total: | | | | 1.00 | | |
| 042 | 904.0105 | REMOVE AND RESET FENCE AND/OR | LF | | | |
| | | RAILING WOOD RAIL | | | | |
| | | HOWARD RD | | | | |
| | | 0 | | 13.00 | 0040 | 01 |
| Item 904.0105 Total: | | | | 13.00 | | |

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|----------------------|-----------|---------------------------------|-----|--------|----------|----------|
| 043 | 911.9901 | RECONSTRUCTED STONE MASONRY | CY | | | |
| | | HOWARD RD | | | | |
| | | 0 | | 13.00 | 0040 | 01 |
| Item 911.9901 Total: | | | | 13.00 | | |
| 044 | 922.0100 | TEMPORARY CONSTRUCTION SIGNS | SF | | | |
| | | STANDARD 29.1.0 AND 27.1.1 | | | | |
| | | HOWARD RD | | | | |
| | | 0 | | 150.00 | 0040 | 01 |
| Item 922.0100 Total: | | | | 150.00 | | |
| 045 | 929.0110 | FIELD OFFICE | PMO | | | |
| | | HOWARD RD | | | | |
| | | 0 | | 9.00 | 0040 | 01 |
| Item 929.0110 Total: | | | | 9.00 | | |
| 046 | 932.0200 | FULL-DEPTH SAWCUT OF BITUMINOUS | LF | | | |
| | | PAVEMENT | | | | |
| | | HOWARD RD | | | | |
| | | 0 | | 115.00 | 0040 | 01 |
| Item 932.0200 Total: | | | | 115.00 | | |
| 047 | 936.0110 | MOBILIZATION | LS | | | |
| | | HOWARD RD | | | | |
| | | 0 | | 1.00 | 0040 | 01 |
| Item 936.0110 Total: | | | | 1.00 | | |
| 048 | L01.0102 | LOAM BORROW 4 INCHES DEEP | SY | | | |
| | | HOWARD RD | | | | |
| | | 0 | | 120.00 | 0040 | 01 |
| Item L01.0102 Total: | | | | 120.00 | | |
| 049 | L02.0102 | RESIDENTIAL SEEDING (TYPE 2) | SY | | | |

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| 049 | L02.0102 Cont. | HOWARD RD | | | | |
| | | 0 | | 120.00 | 0040 | 01 |
| Item L02.0102 Total: | | | | 120.00 | | |

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