**Schedule A – Schedule of Quantities and Prices – Part 1**

ONTC Bridge Maintenance – Temagami Subdivision - RFP 2025 069

Unit Prices listed in this Schedule are based on the use of Specified Materials. Unit Price shall include all overhead, profit, handling, and all other related charges and shall hereinafter be referred to as Contract Unit Prices. All of the prices listed below are to be included in the Contract Price.

Refer to RFP 2025 069 Scope of Work and Reference Drawings

| Item | Description | Section and/or Drawing No. | Unit | Estimated Quantity | Unit Price | Total Amount |
|---|---|---|---|---|---|---|
| **General** | | | | | | |
| 1 | Mobilization & Demobilization | Section 01520 | L.S. | 1 | $_____ | $_____ |
| 2 | Locate Utilities, contact Onterra and On1call | | L.S. | 1 | $_____ | $_____ |
| **Bridge Maintenance** | | | | | | |
| 8.14 Temagami | | | | | | |
| 3 | Supply and Place 10 tons of Ballast per approach. Machine and Hand tamp as required. Remove any contaminated ballast first. | Sections 02225 & 02235 | ea. | 2 | $_____ | $_____ |
| 4 | Clean Debris and Ballast off of bridge bearing seats and off of bridge girder top flanges. | Sections 01530 & 02225 | L.S. | 1 | $_____ | $_____ |

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| 5 | Clear vegetation, brush and trees from approaches, bridge abutments, wingwalls and footings. | Sections 01530 & 02225 | L.S. | 1 | $_____ | $_____ |
| 6 | Replace 2 loose rivets in panel 4 top lateral bracing to center gusset plate connection with Bolts and paint them. | Sections 01530, 02225, 05122 & 09900 | ea. | 2 | $_____ | $_____ |
| 11.70 Temagami | | | | | | |
| 7 | Supply and Place 10 tons of Ballast per approach. Machine and Hand tamp as required. Remove any contaminated ballast first. | Sections 02225 & 02235 | ea. | 2 | $_____ | $_____ |
| 8 | Supply and Install 10' long approach ties - 10 on North approach and 7 on South approach (1 additional tie on south) | Section 021130 | ea. | 17 | $_____ | $_____ |
| 9 | Measure, Supply and Install replacement backwall ties | Section 021130 | ea. | 2 | $_____ | $_____ |
| | See Optional work for bearing work and approach drainage | | | | | |
| 31.19 Temagami | | | | | | |
| 10 | Clean Debris and Ballast off of bridge bearing seats and off | Sections 01530 & 02225 | L.S. | 1 | $_____ | $_____ |

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| | of bridge girder top flanges. | | | | | |
| 11 | Clear vegetation, brush and trees from approaches, bridge abutments, wingwalls and footings. | Sections 01530 & 02225 | L.S. | 1 | $_____ | $_____ |
| 12 | Measure, Supply and Install replacement backwall ties and add additional tie on each backwall. Include cleaning up excess ballast behind backwalls. | Sections 021130 & 02225 | ea. | 4 | $_____ | $_____ |
| 13 | Replace missing bolt in inside bottom flange splice of east girder near north end and paint. Determine bolt length in field. | Sections 01530, 02225, 05122 & 09900 | ea. | 1 | $_____ | $_____ |
| | See Optional work for bearing height adjustment | | | | | |
| 35.46 Temagami | | | | | | |
| 14 | Install replacement track ties in bridge span ballast trough. | Section 021130 | ea. | 7 | $_____ | $_____ |
| 15 | Remove excess ballast in span trough. Groom shoulders to flanges. Clean ballast off of walkways. | Section 02225 | L.S. | 1 | $_____ | $_____ |
| 38.32 Temagami | | | | | | |

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| 16 | Install replacement track ties in bridge span ballast trough. | Section 021130 | ea. | 2 | $_____ | $_____ |
| 17 | Remove excess ballast in span trough. Groom shoulders to curbs. | Section 02225 | L.S. | 1 | $_____ | $_____ |
| 18 | Clear vegetation, brush and trees from approaches, bridge abutments, wingwalls and footings. | Sections 01530 & 02225 | L.S. | 1 | $_____ | $_____ |
| 49.10 Temagami | | | | | | |
| 19 | Remove excess ballast in span trough. Groom shoulders to flanges. Clean ballast off of walkways. | Sections 02225 | L.S. | 1 | $_____ | $_____ |
| 20 | Replace bolt connecting end joint ballast plates and curb. | Section 05122 Dwgs TEM-49.10-1.1 to 1.9 | ea. | 3 | $_____ | $_____ |
| 21 | Supply and Place 10 tons of Ballast per approach. Machine and Hand tamp as required. Remove any contaminated ballast first. | Sections 02225 & 02235 | ea. | 2 | $_____ | $_____ |
| 22 | Clean Debris and Ballast off of bridge bearing seats and off of bridge girder top flanges. | Sections 01530 & 02225 | L.S. | 1 | $_____ | $_____ |
| 23 | Clear vegetation, brush and trees from approaches, bridge | Sections 01530 & 02225 | L.S. | 1 | $_____ | $_____ |

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| | abutments, wingwalls and footings. | | | | | |
| 24 | In coordination with Ontera, bury exposed fiber-optic cables on both ends of the bridge. | Section 05122 Dwgs TEM-49.10-1.1 to 1.9 | L.S. | 1 | $_____ | $_____ |
| 25 | Install replacement track ties on the approaches - 4 each | Section 021130 | ea. | 8 | $_____ | $_____ |
| 58.96 Temagami | | | | | | |
| 26 | Install replacement track ties on the approaches (South - 3, North - 2) | Section 021130 | ea. | 5 | $_____ | $_____ |
| 27 | Clear vegetation, brush and trees from approaches, bridge abutments, wingwalls and footings. Remove beaver dam. | Sections 01530 & 02225 | L.S. | 1 | $_____ | $_____ |
| 59.40 Temagami | | | | | | |
| 28 | Supply and Place 10 tons of Ballast per approach. Machine and Hand tamp as required. Remove any contaminated ballast first. | Sections 02225 & 02235 | ea. | 2 | $_____ | $_____ |
| 29 | Clean Debris and Ballast off of bridge bearing seats and off of bridge girder top flanges. | Sections 01530 & 02225 | L.S. | 1 | $_____ | $_____ |

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| 30 | Clear vegetation, brush and trees from approaches, bridge abutments, wingwalls and footings. | Sections 01530 & 02225 | L.S. | 1 | $_____ | $_____ |
| 31 | Replace 3 loose bolts in SE corner bottom flange splice. Replace 1 loose bolt SE corner top vertical gusset plate. Replace 1 loose rivet in SE corner to strut to vertical gusset plate. Replace 3 loose rivets NE corner on vertical gusset plate. Paint after installed. Determine bolt length in field. | Sections 01530, 02225, 05122 & 09900 | ea. | 8 | $_____ | $_____ |
| 32 | Place Rip Rap infront of North Abutment. D50=12" for 24" thick with non-woven Geotextile Terrafix 270R or equivalent under. | Sections 02072 & 02371 | $ft^2$ | 200 | $_____ | $_____ |
| 33 | Measure, Supply and Install replacement backwall ties | Section 021130 | ea. | 2 | $_____ | $_____ |
| 34 | Clean/grind off concrete splash from girders and bearing seats. Clean ballast off seats. | Sections 01530 & 02225 | L.S. | 1 | $_____ | $_____ |
| 59.64 Temagami | | | | | | |

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| 35 | Install replacement track ties in bridge span ballast trough. | Section 021130 | ea. | 33 | $_____ | $_____ |
| 36 | Install replacement track ties on the approaches(South - 2, North - 1) | Section 021130 | ea. | 3 | $_____ | $_____ |
| 75.70 Temagami | | | | | | |
| 37 | Remove excess ballast in span trough. Groom shoulders to curbs. Clean ballast off of walkways. | Sections 02225 | L.S. | 1 | $_____ | $_____ |
| 38 | Clean Debris and Ballast off of bridge bearing seats and off of bridge girder and floor beam flanges. | Sections 01530 & 02225 | L.S. | 1 | $_____ | $_____ |
| 39 | Clear vegetation, brush and trees from approaches, bridge abutments, wingwalls and footings. | Sections 01530 & 02225 | L.S. | 1 | $_____ | $_____ |
| 40 | Install replacement track ties on the approaches - 5 each end | Section 021130 | ea. | 10 | $_____ | $_____ |
| 93.91 Temagami | | | | | | |
| 41 | Clear vegetation, brush and trees from approaches, bridge wingwalls and footings for abutments and piers. | Sections 01530 & 02225 | L.S. | 1 | $_____ | $_____ |

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| 42 | Clean Debris and Ballast off of bridge bearing seats and off of bridge steel members. | Sections 01530 & 02225 | L.S. | 1 | $_____ | $_____ |
| 43 | Clear vegetation from ballast within abutment wingwalls. Remove any contaminated ballast and Supply and Place up to 10 tons of Ballast per approach. Machine and Hand tamp as required. | Sections 01530, 02225 & 02235 | ea. | 2 | $_____ | $_____ |
| 44 | Supply and Apply Sikagard A50 on Abutments and Piers | Sections 01530 & 07560 | $ft^2$ | 5,200 | $_____ | $_____ |
| 45 | Place Rip Rap infront of south abutment and pier footings where footing base is exposed. D50=18" for 36" thick. Abutment 1 = 35 lnft x 6' wide, Pier 1 = 130 lnft x 6' wide, Pier 2 = 100 lnft x 6 ' wide. | Section 02371 | $ft^2$ | 1,590 | $_____ | $_____ |
| 46 | Supply and Install additional hook bolts such that every 2nd tie on the bridge deck has a hook bolt. Includes drilling hole in tie. | Sketch HB1 | ea. | 202 | | |
| | See Optional work for shimming track at end of curve on the bridge | | | | | |

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| 107.49 Temagami | | | | | | |
| 47 | Clear vegetation, brush and trees from bridge deck ballast trough | Sections 01530 & 02225 | L.S. | 1 | $_____ | $_____ |
| 48 | Repair 3 of 4 bolts on base of North East handrail post | Section 05122 Dwgs | L.S. | 1 | $_____ | $_____ |
| 49 | Install replacement track ties in bridge span ballast trough and approaches | Section 021130 | ea. | 10 | $_____ | $_____ |
| 115.50 Temagami | | | | | | |
| 50 | Supply and Install additional hook bolts such that every 2nd tie on the bridge deck has a hook bolt. Includes drilling hole in tie. | Sketch HB1 | ea. | 115 | $_____ | $_____ |
| 51 | Supply and Place 10 tons of Ballast per approach. Machine and Hand tamp as required. Remove any contaminated ballast first. | Sections 02225 & 02235 | ea. | 2 | $_____ | $_____ |
| 52 | Measure, Supply and Install replacement backwall ties | Section 021130 | ea. | 2 | $_____ | $_____ |
| 53 | Supply and Install 10' long approach tie - 1 south approach | Section 021130 | ea. | 1 | $_____ | $_____ |
| 54 | Clear vegetation, brush and trees from approaches, bridge | Sections 01530 & 02225 | L.S. | 1 | $_____ | $_____ |

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| | wingwalls and footings. | | | | | |
| 55 | Supply and Install Two Refuge Bays Grating | Section 05122 ONR DWG A-6264a & Grating Specifications on TEM-119.10-3.4 | ft2 | 130 | $_____ | $_____ |
| 56 | Supply and Install Two Refuge Bays Railings & Hardware | Sections 05122 ONR DWG A-6264a | L.S. | 1 | $_____ | $_____ |
| 119.10 Temagami | | | | | | |
| 57 | Supply and Place 10 tons of Ballast per approach. Machine and Hand tamp as required. Remove any contaminated ballast first. | Sections 02225 & 02235 | ea. | 2 | $_____ | $_____ |
| 58 | Clean Debris and Ballast off of bridge bearing seats and off of bridge steel members. | Sections 01530 & 02225 | L.S. | 1 | $_____ | $_____ |
| | See optional work for North Abutment Approach Remediation | | | | | |
| 138.00 Temagami | | | | | | |
| 59 | Supply and Place 10 tons of Ballast per approach. Machine and Hand tamp as required. Remove any | Sections 02225 & 02235 | ea. | 2 | $_____ | $_____ |

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| | contaminated ballast first. | | | | | |
| 60 | Clean Debris and Ballast off of bridge bearing seats and off of bridge steel members. | Sections 01530 & 02225 | L.S. | 1 | $_____ | $_____ |
| 61 | Clear vegetation, brush and trees from approaches, bridge abutments, wingwalls, piers, spans, steel towers and pedestal footings. | Sections 01530 & 02225 | L.S. | 1 | $_____ | $_____ |
| 62 | Supply and Install 10' long approach tie - 1 North approach | Section 021130 | ea. | 1 | $_____ | $_____ |
| 63 | Measure, Supply and Install replacement abutment backwall ties | Section 021130 | ea. | 2 | $_____ | $_____ |
| 64 | Supply and Install additional hook bolts such that every 2nd tie on the bridge deck has a hook bolt. Includes drilling hole in tie. | Sketch HB1 | ea. | 450 | $_____ | $_____ |
| 65 | Clean out bird nests | Sections 01530 & 02225 | L.S. | 1 | $_____ | $_____ |
| 66 | Measure, Supply and Install two Pier 1 top ties - assume 9"x 6"x 14' with possible dap for tie plates | Section 021130 | ea. | 2 | $_____ | $_____ |
| | **SUBTOTAL** | | | | | $_____ |

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| | **Harmonized Sales Tax (HST)** | | | | | $_____ |
| | **TOTAL PROPOSAL PRICE FOR TEMAGAMI SUBDIVISION** | | | | | $_____ |

Total proposal price shall include all labour, subcontractor fees, products, services, tools, equipment and tool rental fees, shop drawings, handling costs, profit, bonding costs, site access preparation including construction of a crossing (if required), environmental protection and control costs, removal of debris, waste and rubble, excavation, shoring, backfilling, dewatering and other work area requirements, cleanup and restoration of site, taxes and all other overhead related charges and incidentals necessary for the total completion of the Work.

**Schedule A – Schedule of Quantities and Prices – Part 2**

ONTC Bridge Maintenance – Ramore Subdivision - RFP 2025 069

Unit Prices listed in this Schedule are based on the use of Specified Materials. Unit Price shall include all overhead, profit, handling, and all other related charges and shall hereinafter be referred to as Contract Unit Prices. All of the prices listed below are to be included in the Contract Price.

Refer to RFP 2025 069 Scope of Work and Reference Drawings

| **Item** | **Description** | **Section and/or Drawing No.** | **Unit** | **Estimated Quantity** | **Unit Price** | **Total Amount** |
|---|---|---|---|---|---|---|
| **General** | | | | | | |
| 1 | Mobilization & Demobilization | Section 01520 | L.S. | 1 | $_____ | $_____ |
| 2 | Locate Utilities, contact Ontera and On1call | | L.S. | 1 | $_____ | $_____ |
| **Bridge Maintenance** | | | | | | |
| 7.45 Ramore | | | | | | |
| 3 | Supply and Place 10 tons of Ballast on South | Sections 02225 & 02235 | ea. | 1 | $_____ | $_____ |

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| | approach. Machine and Hand tamp as required. Remove any contaminated ballast first. | | | | | |
| 4 | Clean Debris and Ballast off of bridge bearing seats and off of bridge girder flanges. | Sections 01530 & 02225 | L.S. | 1 | $_____ | $_____ |
| 5 | Clear vegetation, brush and trees from approaches, bridge abutments, wingwalls, piers, spans, steel towers and pedestal footings. | Sections 01530 & 02225 | L.S. | 1 | $_____ | $_____ |
| 6 | Clean and paint bolts on the inside of the tower leg for the jacking beam to tower leg connection the two tower jacking beams. Approximately 32 bolts at 4 locations. Verify condition of bolts prior to painting. Notify the ONR if bolts need to be replaced. | Sections 01530, 02225, 05122 & 09900 Dwg RAM-7.45-1.4 | L.S. | 1 | $_____ | $_____ |
| 7 | Supply and install bolts to replace corroded bolts in tower to jacking beam connection (item 6), if required. Price per bolt. | Sections 01530, 02225, 05122 & 09900 Dwg RAM-7.45-1.4 | ea. | 8 | $_____ | $_____ |
| 8 | Supply and Install additional hook bolts such that every 2nd tie | Sketch HB1 | ea. | 460 | $_____ | $_____ |

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| | on the bridge deck has a hook bolt. Includes drilling hole in tie. | | | | | |
| 9 | Cut off excess height of hook bolt on existing bolts. Approx. 500 bolts | Sketch HB1 | ea. | 500 | $_____ | $_____ |
| 10 | Increase height of south concrete backwall by doweling in and adding 15 M reinforcing bars and pouring 30 Mpa concrete. Include a slot to hold a backwall tie. Set heights to properly support backwall tie at correct elevation. | Sections 01530, 03010, 03100, 03200 & 03300 Dwg 7.45 RSD-48 E-6-7 | L.S. | 1 | $_____ | $_____ |
| 11 | Measure, Supply and Install replacement south backwall tie | Section 021130 | ea. | 1 | $_____ | $_____ |
| 12 | Clean out bird nests | Sections 01530 & 02225 | L.S. | 1 | $_____ | $_____ |
| | See Optional work for shimming track at end of curve on the bridge | | | | | |
| | See Optional work for undercutting of North Approach | | | | | |
| 15.10 Ramore | | | | | | |
| 13 | Supply and Place 10 tons of Ballast for South approach. Machine and Hand tamp as required. Remove any contaminated ballast first. | Sections 02225 & 02235 | ea. | 2 | $_____ | $_____ |

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| 14 | Supply and Install Fifteen 10' long approach ties on South approach - Shift ties to support rail joint - Remove 14 poor ties. | Section 021130 | ea. | 15 | $_____ | $_____ |
| 15 | Clear vegetation, brush and trees from approaches, bridge abutments, wingwalls, piers, spans, steel towers and pedestal footings. Remove fallen tree from south tower. | Sections 01530 & 02225 | L.S. | 1 | $_____ | $_____ |
| 16 | Clean Debris and Ballast off of bridge bearing seats and off of bridge girder flanges. | Sections 01530 & 02225 | L.S. | 1 | $_____ | $_____ |
| 17 | Supply and Install additional hook bolts such that every 2nd tie on the bridge deck has a hook bolt. Includes drilling hole in tie. | Sketch HB1 | ea. | 205 | $_____ | $_____ |
| | See Optional work for shimming track at end of curve on the bridge | | | | | |
| 25.80 Ramore | | | | | | |
| 18 | Clean Debris and Ballast off of bridge bearing seats and off of bridge girder flanges. | Sections 01530 & 02225 | L.S. | 1 | $_____ | $_____ |
| 19 | Clear vegetation, brush and trees from approaches, bridge wingwalls and footings. | Sections 01530 & 02225 | L.S. | 1 | $_____ | $_____ |

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| 20 | Install track ties on the approaches - 5 on North, 10 on South | Section 021130 | ea. | 15 | $_____ | $_____ |
| 21 | Replace planks covering holes between in-service bridge deck and out of service bridge deck with grating Type 19-4 from Amico-Klemp with 1x3/16 Bearing Bars welded at 1-3/16 c/c and cross bars at 4" c/c. Measure exact dimensions in field, approximately 60" x 12". | Section 05122 ONR DWG A-6264a & Grating Specifications on TEM-119.10-3.4 | ea. | 2 | $_____ | $_____ |
| 26.0 Ramore | | | | | | |
| 22 | Block hole under handrail/fencing with a concrete block or other means to prevent gravel leakage. Add additional gravel to fill void. | Sections 01530, 02225, 02316, 02317 & 03450 | L.S. | 1 | $_____ | $_____ |
| 23 | Supply and Install replacement regular track ties on the approaches (South - 13, North - 9) | Section 021130 | ea. | 22 | $_____ | $_____ |
| 24 | Supply and Place 10 tons of Ballast per approach. Machine and Hand tamp as required. Remove any contaminated ballast first. | Sections 02225 & 02235 | ea. | 2 | $_____ | $_____ |

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| 29.91 Ramore | | | | | | |
| 25 | Remove excess ballast in span trough. Groom shoulders to curbs. | Sections 02225 | L.S. | 1 | $_____ | $_____ |
| 30.67 Ramore | | | | | | |
| 26 | Remove excess ballast in span trough. Groom shoulders to curbs. | Section 02225 | L.S. | 1 | $_____ | $_____ |
| 27 | Clean Debris and Ballast off of bridge bearing seats. | Sections 01530 & 02225 | L.S. | 1 | $_____ | $_____ |
| 28 | Clear vegetation, brush and trees from approaches, bridge wingwalls and footings. | Sections 01530 & 02225 | L.S. | 1 | $_____ | $_____ |
| 29 | Place Rip Rap around the ends of the wingwalls and up the embankment slope. D50=10" for 20" thick with non-woven Geotextile Terrafix 270R or equivalent under. 3 corners - NW, SE and SW. 210 ft^2 each at 20" thick. | Sections 02072 & 02371 Dwg Example RIPRAP 1 | $ft^2$ | 630 | $_____ | $_____ |
| 31.16 Ramore | | | | | | |
| 30 | Remove excess ballast in span trough. Groom shoulders to curbs. | Section 02225 | L.S. | 1 | $_____ | $_____ |
| 31 | Install replacement track ties in bridge span ballast trough (2) and south approach (3). | Section 021130 | ea. | 5 | $_____ | $_____ |

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| 32 | Clean Debris and Ballast off of bridge bearing seats. | Sections 01530 & 02225 | L.S. | 1 | $_____ | $_____ |
| 33 | Clear vegetation, brush and trees from approaches, bridge wingwalls and footings. | Sections 01530 & 02225 | L.S. | 1 | $_____ | $_____ |
| 34 | Place Rip Rap around the ends of the wingwalls and up the embankment slope. D50=10" for 20" thick with non-woven Geotextile Terrafix 270R or equivalent under. All 4 corners. 210 ft^2 each at 20" thick. | Sections 02072 & 02371 Dwg Example RIPRAP 1 | $ft^2$ | 840 | $_____ | $_____ |
| 32.00 Ramore | | | | | | |
| 35 | Remove excess ballast in span trough. Groom shoulders to curbs. | Section 02225 | L.S. | 1 | $_____ | $_____ |
| 36 | Install replacement track ties in bridge span ballast trough (2) and on north (1) and south (1) approaches. | Section 021130 | ea. | 5 | $_____ | $_____ |
| 37 | Clean Debris and Ballast off of bridge bearing seats. | Sections 01530 & 02225 | L.S. | 1 | $_____ | $_____ |
| 38 | Clear vegetation, brush and trees from approaches, bridge wingwalls and footings. | Sections 01530 & 02225 | L.S. | 1 | $_____ | $_____ |

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| 39 | Place Rip Rap around the ends of the wingwalls and up the embankment slope. D50=10" for 20" thick with non-woven Geotextile Terrafix 270R or equivalent under. All 4 corners. 210 ft^2 each at 20" thick. | Sections 02072 & 02371 Dwg Example RIPRAP 1 | $ft^2$ | 840 | $_____ | $_____ |
| 35.90 Ramore | | | | | | |
| 40 | Remove excess ballast in span trough. Groom shoulders to curbs. | Section 02225 | L.S. | 1 | $_____ | $_____ |
| 41 | Install replacement track ties in bridge span ballast trough (1) and on north (2) and south (1) approaches. | Section 021130 | ea. | 4 | $_____ | $_____ |
| 42 | Clean Debris and Ballast off of bridge bearing seats. | Sections 01530 & 02225 | L.S. | 1 | $_____ | $_____ |
| 43 | Clear vegetation, brush and trees from approaches, bridge wingwalls and footings. Clear wood debris around abutments. | Sections 01530 & 02225 | L.S. | 1 | $_____ | $_____ |
| 44 | Place Rip Rap around the ends of the wingwalls and up the embankment slope. D50=10" for 20" thick with non-woven Geotextile Terrafix | Sections 02072 & 02371 Dwg Example RIPRAP 1 | $ft^2$ | 840 | $_____ | $_____ |

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| | 270R or equivalent under. All 4 corners. 210 ft^2 each at 20" thick. | | | | | |
| 36.26 Ramore | | | | | | |
| 45 | Remove excess ballast in span trough. Groom shoulders to curbs. | Section 02225 | L.S. | 1 | $_____ | $_____ |
| 46 | Install replacement track ties on north (1) and south (1) approaches. | Section 021130 | ea. | 2 | $_____ | $_____ |
| 47 | Supply and install precast concrete CN type L retaining walls - all 4 corners. | Sections 02316, 02317 & 03450 Dwg R5A-8.1 | ea. | 4 | $_____ | $_____ |
| 48 | Clear vegetation, brush and trees from approaches, bridge wingwalls and footings. Clear wood debris fro around piles. | Sections 01530 & 02225 | L.S. | 1 | $_____ | $_____ |
| 49 | Fill voids under/behiind abutment pile caps and between piles with Granular B fill. Place Rip Rap infront of piles . D50=10" for 20" thick. Both abutments - 110 ft^2 each at 20" thick. | Sections 02072, 02316 & 02371 | $ft^2$ | 220 | $_____ | $_____ |
| 40.34 Ramore | | | | | | |
| 50 | Place Rip Rap on slope behind southwest wingwall to shore up bank and retain track | Sections 02072 & 02371 Dwg Example RIPRAP 1 | $ft^2$ | 100 | $_____ | $_____ |

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| | ballast. D50=10" for 20" thick. 100 ft^2 at 12" thick. Regroom ballast. | | | | | |
| 41.28 Ramore | | | | | | |
| 51 | Remove excess ballast in span trough. Groom shoulders to curbs. | Section 02225 | L.S. | 1 | $_____ | $_____ |
| 52 | Install replacement track ties in bridge span ballast trough (1) and on north (1) and south (2) approaches. | Section 021130 | ea. | 4 | $_____ | $_____ |
| 53 | Clean Debris and Ballast off of bridge bearing seats. | Sections 01530 & 02225 | L.S. | 1 | $_____ | $_____ |
| 54 | Clear vegetation, brush and trees from approaches, bridge wingwalls and footings. | Sections 01530 & 02225 | L.S. | 1 | $_____ | $_____ |
| 55 | Place Rip Rap around the ends of the wingwalls and up the embankment slope. D50=10" for 20" thick with non-woven Geotextile Terrafix 270R or equivalent under. All 4 corners. 150 ft^2 each at 20" thick. | Sections 02072 & 02371 Dwg Example RIPRAP 1 | $ft^2$ | 600 | $_____ | $_____ |
| 42.90 Ramore | | | | | | |
| 56 | Clean Debris and Ballast off of bridge bearing seats. | Sections 01530 & 02225 | L.S. | 1 | $_____ | $_____ |

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| 57 | Clear vegetation, brush and trees from approaches, bridge wingwalls and footings. | Sections 01530 & 02225 | L.S. | 1 | $_____ | $_____ |
| 58 | Supply and Place 10 tons of Ballast per approach. Hand tamp as required. Remove any contaminated ballast first. | Sections 02225 & 02235 | ea. | 2 | $_____ | $_____ |
| 59 | Supply and Install precast concrete CN type L retaining walls - 2 west corners. | Sections 02316, 02317 & 03450 Dwg R5A-8.1 | ea. | 2 | $_____ | $_____ |
| 60 | Supply and Install 10' long approach tie - 1 additional on south approach | Section 021130 | ea. | 1 | $_____ | $_____ |
| 61 | Measure, Supply and Install replacement backwall ties | Section 021130 | ea. | 2 | $_____ | $_____ |
| 62 | Supply and install ¾" dia. X 8" long Lag screws in up to 20 missing locations in tie spacer bars at 42.90 Ramore. If necessary, drill new holes in spacer bar for proper tie spacing (up to 5 locations). | Section 05122 | ea. | 20 | $_____ | $_____ |
| 63 | Cut off excess height of hook bolt on existing bolts. Approx. 28 bolts | Sketch HB1 | ea. | 28 | | |
| 45.70 Ramore | | | | | | |

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|---|---|---|---|---|---|---|
| 64 | Place Rip Rap in the empty area in front of southwest wingwall. D50=10" for 20" thick. Approximately 250 ft^2 each at 20" thick. | Sections 02371 | $ft^2$ | 250 | $_____ | $_____ |
| 50.42 Ramore | | | | | | |
| 65 | Remove excess ballast in span trough. Groom shoulders to curbs. | Section 02225 | L.S. | 1 | $_____ | $_____ |
| 66 | Install replacement track ties in bridge span ballast trough (3 + add 1) and on north (2) and south (1) approaches. | Section 021130 | ea. | 7 | $_____ | $_____ |
| 67 | Clean Debris and Ballast off of bridge bearing seats. | Sections 01530 & 02225 | L.S. | 1 | $_____ | $_____ |
| 68 | Clear vegetation, brush and trees from approaches, bridge wingwalls and footings. Clear wood debris (beaver dam) under span. | Sections 01530 & 02225 | L.S. | 1 | $_____ | $_____ |
| 69 | Place Rip Rap around the ends of the wingwalls and up the embankment slope. D50=10" for 20" thick with non-woven Geotextile Terrafix 270R or equivalent under. All 4 corners. 150 ft^2 each at 20" thick. | Sections 02072 & 02371 Dwg Example RIPRAP 1 | $ft^2$ | 600 | $_____ | $_____ |

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|---|---|---|---|---|---|---|
| 58.30 Ramore | | | | | | |
| 70 | Supply and Place 10 tons of Ballast on South approach. Machine and Hand tamp as required. Remove any contaminated ballast first. | Sections 02225 & 02235 | ea. | 1 | $_____ | $_____ |
| 71 | Clean Debris and Ballast off of bridge bearing seats and off of bridge girder flanges. | Sections 01530 & 02225 | L.S. | 1 | $_____ | $_____ |
| 72 | Clear vegetation, brush and trees from approaches, bridge abutments, wingwalls, piers, spans, steel towers and pedestal footings. | Sections 01530 & 02225 | L.S. | 1 | $_____ | $_____ |
| 73 | Supply and install additional hook bolts such that every 2nd tie on the bridge deck has a hook bolt. Includes drilling hole in tie. | Sketch HB1 | ea. | 240 | $_____ | $_____ |
| 74 | Tighten loose existing hook bolts. Assume 50 | Sketch HB1 | ea. | 50 | | |
| 75 | Measure, Supply and Install replacement backwall tie south abutment | Section 021130 | ea. | 1 | $_____ | $_____ |
| 76 | Supply and Install 10' long approach tie - North approach (10), south approach (add 1) and shift others | Section 021130 | ea. | 11 | $_____ | $_____ |

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| | See Optional work for undercutting of North Approach | | | | | |
| | See Optional work for shimming track at end of curve on the bridge | | | | | |
| 69.60 Ramore | | | | | | |
| 77 | Supply and Place 10 tons of Ballast per approach. Machine and Hand tamp as required. Remove any contaminated ballast first. | Sections 02225 & 02235 | ea. | 2 | $_____ | $_____ |
| 78 | Clean Debris and Ballast off of bridge bearing seats and off of bridge girder flanges. | Sections 01530 & 02225 | L.S. | 1 | $_____ | $_____ |
| 79 | Clear vegetation, brush and trees from approaches, bridge abutments, wingwalls, piers, spans, steel towers and pedestal footings. | Sections 01530 & 02225 | L.S. | 1 | $_____ | $_____ |
| 80 | Supply and Install additional hook bolts such that every 2nd tie on the bridge deck has a hook bolt. Includes drilling hole in tie. | Sketch HB1 | ea. | 230 | $_____ | $_____ |
| 81 | Tighten loose existing hook bolts. Assume 50 | Sketch HB1 | ea. | 50 | $_____ | $_____ |
| 82 | Supply and Install two precast concrete CN | Sections 02316, 02317 & 03450 Dwg R5A-8.1 | ea. | 2 | $_____ | $_____ |

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|---|---|---|---|---|---|---|
| | type L retaining wall - South East corner. | | | | | |
| 83 | Measure, Supply and Install replacement backwall ties. On south backwall add blocking to 1st deck tie. | Section 021130 | ea. | 2 | $_____ | $_____ |
| 84 | Supply and Install 10' long approach tie - North approach (3), south approach (1) | Section 021130 | ea. | 4 | $_____ | $_____ |
| 85 | Remove existing three "unsafe" refuge bays. | Sections 01530 & 02225 | L.S. | 1 | $_____ | $_____ |
| 79.00 Ramore | | | | | | |
| 86 | Supply and Install additional hook bolts such that every 2nd tie on the bridge deck has a hook bolt. Includes drilling hole in tie. | Sketch HB1 | ea. | 260 | $_____ | $_____ |
| 87 | Clean out bird nests | Sections 01530 & 02225 | L.S. | 1 | $_____ | $_____ |
| 88 | Clean out deck truss(span 4) end floor beam girder support pockets | Sections 01530 & 02225 | ea. | 4 | $_____ | $_____ |
| 89 | In the 4 walers supporting the sheet pile retaining walls at 79.0 Ramore, drill seven 1” diameter holes (1 per panel) in each top waler channel to allow water to drain. 28 holes in total. Paint holes. | Sections 01530, 02225, 05122 & 09900 | L.S. | 1 | $_____ | $_____ |

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|---|---|---|---|---|---|---|
| 96.00 Ramore | | | | | | |
| 90 | Supply and Place 10 tons of Ballast per approach. Hand tamp as required. Remove any contaminated ballast first. Low spot may be 10' or more from backwall. | Sections 02225 & 02235 | ea. | 2 | $_____ | $_____ |
| 91 | Clean Debris and Ballast off of bridge bearing seats and off of bridge girder flanges. | Sections 01530 & 02225 | L.S. | 1 | $_____ | $_____ |
| 92 | Supply and Install additional hook bolts such that every 2nd tie on the bridge deck has a hook bolt. Includes drilling hole in tie. | Sketch HB1 | ea. | 300 | $_____ | $_____ |
| 93 | Supply and Install 10' long approach tie - North approach (3), south approach (2) | Section 021130 | ea. | 5 | $_____ | $_____ |
| 94 | Measure, Supply and Install replacement backwall ties. Add a 2nd backwall tie and add blocking to 1st deck tie. | Section 021130 | ea. | 4 | $_____ | $_____ |
| 95 | Clear vegetation, brush and trees from approaches, bridge wingwalls and footings. | Sections 01530 & 02225 | L.S. | 1 | $_____ | $_____ |
| 99.03 Ramore | | | | | | |

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|---|---|---|---|---|---|---|
| 96 | Clear vegetation, brush and trees from approaches, bridge wingwalls and footings. | Sections 01530 & 02225 | L.S. | 1 | $_____ | $_____ |
| 97 | Clean Debris and Ballast off of bridge bearing seats and off of bridge steel members. | Sections 01530 & 02225 | L.S. | 1 | $_____ | $_____ |
| 98 | Remove excess ballast in span trough. Groom shoulders to curbs. | Section 02225 | L.S. | 1 | $_____ | $_____ |
| 99 | Install 1 replacement and 2 additional (in tie gaps) track ties in bridge span ballast trough and approaches | Section 021130 | ea. | 3 | $_____ | $_____ |
| 100 | Place Rip Rap around the ends of the wingwalls and up the embankment slope. D50=10" for 20" thick with non-woven Geotextile Terrafix 270R or equivalent under. All 4 corners. 150 ft^2 each at 20" thick. | Sections 02072 & 02371 Dwg Example RIPRAP 1 | $ft^2$ | 600 | $_____ | $_____ |
| 101 | Repair/reconnect fiber-optic conduit box at end of span | Section 05122 | L.S. | 1 | $_____ | $_____ |
| 103.30 Ramore | | | | | | |
| 102 | Clear vegetation, brush and trees from approaches, bridge wingwalls, piers and footings. | Sections 01530 & 02225 | L.S. | 1 | $_____ | $_____ |

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|---|---|---|---|---|---|---|
| 103 | Supply and Place 10 tons of Ballast on the three concrete approach spans. Machine and Hand tamp as required. Remove any contaminated ballast first. Level track across entire bridge. | Sections 02225 & 02235 | ea. | 2 | $_____ | $_____ |
| 104 | Supply and Place 10 tons of Ballast per approach. Machine and Hand tamp as required. Remove any contaminated ballast first. | Sections 02225 & 02235 | ea. | 2 | $_____ | $_____ |
| 105 | Supply and Install additional hook bolts such that every 2nd tie on the bridge deck has a hook bolt. Includes drilling hole in tie. | Sketch HB1 | ea. | 55 | $_____ | $_____ |
| 106 | Clean Debris and Ballast off of bridge bearing seats and off of bridge steel members. | Sections 01530 & 02225 | L.S. | 1 | $_____ | $_____ |
| 107 | Supply and Install precast concrete CN type L retaining wall - South wingwalls. | Sections 02316, 02317 & 03450 Dwg R5A-8.1 | ea. | 2 | $_____ | $_____ |
| | | | | | | |
| | **SUBTOTAL** | | | | | $_____ |
| | **Harmonized Sales Tax (HST)** | | | | | $_____ |

| | | | | | | |
|---|---|---|---|---|---|---|
| | **TOTAL PROPOSAL PRICE FOR RAMORE SUBDIVISION** | | | | | $_____ |

Total proposal price shall include all labour, subcontractor fees, products, services, tools, equipment and tool rental fees, shop drawings, handling costs, profit, bonding costs, site access preparation including construction of a crossing (if required), environmental protection and control costs, removal of debris, waste and rubble, excavation, shoring, backfilling, dewatering and other work area requirements, cleanup and restoration of site, taxes and all other overhead related charges and incidentals necessary for the total completion of the Work.

**Schedule A – Schedule of Quantities and Prices – Part 3**

ONTC Bridge Maintenance – Temagami & Ramore Subdivision Optional Works - RFP 2025 069

Unit Prices listed in this Schedule are based on the use of Specified Materials. Unit Price shall include all overhead, profit, handling, and all other related charges and shall hereinafter be referred to as Contract Unit Prices. All of the prices listed below are to be included in the Contract Price.

Refer to RFP 2025 069 Scope of Work and Reference Drawings

| Item | Description | Section and/or Drawing No. | Unit | Estimated Quantity | Unit Price | Total Amount |
|---|---|---|---|---|---|---|
| **Optional Works** | | | | | | |
| 1 | Supply Regular Track Ties No. 1 Hardwood track ties 7" x 9" x 9'0" 100% end-plated | Section 021130 | ea. | 118 | $_____ | $_____ |
| | | | | | | |
| **Bridge Maintenance** | | | | | | |
| 11.70 Temagami | | | | | | |
| 2 | Remove grout around/under bearings, install rubber pads and required shim plates under bearings to change bridge superelevation for curve in track modification at 11.40 Temagami. Includes surveying to determine proper shim thicknesses and locations. | Sections 05122 & 05500 Dwgs MS-11A & MS-11B, 87-762 Dwgs 1 to 5 and D671F | L.S. | 1 | $_____ | $_____ |

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|---|---|---|---|---|---|---|
| 3 | The south approach at 11.70 Temagami is a short area between the abutment (with wingwalls) and a road crossing. The ballast in this area gets muddy and the track pumps due to poor drainage. Design and provide a solution that includes remove ballast to subgrade, install drainage pipes in subgrade to go around wingwalls, replace ballast and supply and install 7 new approach ties with Machine and Hand tamping as required. | Sections 021130, 02235 & 02317, Dwgs 87-762 Dwgs 1 to 5 and D671F | L.S. | 1 | $_____ | $_____ |
| | | | | | | |
| Undercutting of Approach Track | | | | | | |
| 4 | Under cut approach track on the north approach to 7.45 Ramore. Perform survey and determine proper rail elevations and under cut track for that profile. | Section 021130 | L.S. | 1 | $_____ | $_____ |
| 5 | Under cut approach track on the north approach to 58.30 Ramore. Perform survey and determine proper rail elevations and under cut track for that profile. | Section 021130 | L.S. | 1 | $_____ | $_____ |
| | | | | | | |

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| Reinforcement of 119.10 Temagami North Approach | | | | | | |
| 6 | The north approach track at 119.10 Temagami has a large dip and train load pushes on the abutment toward the bridge. Design, supply and install a remedial solution, most likely requiring excavation and installation of a geogrid system. Includes surveying to determine proper rail elevations. | Sections 021130, 02235 & 02317, Dwg Ram-15.10-1.37, See Geotech Reference Reports | L.S. | 1 | $_____ | $_____ |
| | | | | | | |
| Bearing Adjustment 31.19 Temagami | | | | | | |
| 7 | Jack span and add the required shim plates between the girder and the bearings to change bridge superelevation for curve in track modification at 31.19 Temagami. Includes surveying to determine proper shim thicknesses and locations. | Section 05122 & 05500 Dwgs TEM-31.19-1.1 to 1.8 | L.S. | 1 | $_____ | $_____ |
| | | | | | | |
| Track Shimming for Curve Modifications | | | | | | |
| 8 | Install or modify track shims on ends of bridges for curve adjustments – 93.91 Temagami. Includes surveying to determine proper shim | Section 021130 Dwgs TEM-93.91-2.0 to 2.07 | L.S. | 1 | $_____ | $_____ |

| | | | | | | |
|---|---|---|---|---|---|---|
| | numbers, thicknesses and locations. | | | | | |
| 9 | Install or modify track shims on ends of bridges for curve adjustments – 7.45 Ramore. Includes surveying to determine proper shim numbers, thicknesses and locations. | Section 021130 | L.S. | 1 | $_____ | $_____ |
| 10 | Install or modify track shims on ends of bridges for curve adjustments – 15.10 Ramore. Includes surveying to determine proper shim numbers, thicknesses and locations. | Section 021130 | L.S. | 1 | $_____ | $_____ |
| 11 | Install or modify track shims on ends of bridges for curve adjustments - 58.3 Ramore. Includes surveying to determine proper shim numbers, thicknesses and locations. | Section 021130 | L.S. | 1 | $_____ | $_____ |
| | | | | | | |
| | **SUBTOTAL** | | | | | $_____ |
| | **Harmonized Sales Tax (HST)** | | | | | $_____ |
| | **TOTAL PROPOSAL PRICE FOR TEMAGAMI SUBDIVISION** | | | | | $_____ |

Total proposal price shall include all labour, subcontractor fees, products, services, tools, equipment and tool rental fees, shop drawings, handling costs, profit, bonding costs, site access preparation including construction of a crossing (if required), environmental protection and control costs, removal of debris, waste and rubble, excavation, shoring, backfilling, dewatering and other work area requirements, cleanup and restoration of site, taxes and all other overhead related charges and incidentals necessary for the total completion of the Work.