

MAINE TURNPIKE AUTHORITY

ADDENDUM NO. 3

CONTRACT 2019.11

**NORTHERN BRIDGE REPAIRS, 6 LOCATIONS AND
EMERGENCY VEHICLE RAMPS AND
NEW GLOUCESTER TOLL PLAZA REHABILITATION
MILE 62.3 TO 95.6**

The following changes are made to the Proposal, Plans, and Specifications.

PROPOSAL

The 10 Proposal Sheets P-3 (Revised 3/15/19) through P-10B (Revised 3/15/19) are deleted and replaced with 10 Proposal Sheets P-3 (Revised 3/18/19) through P-10B (Revised 3/18/19). Changes made include modifying quantities for 607 Items.

PLANS

Plan sheets 2 and 3 of 105, “Estimated Quantities” are deleted and replaced in their entirety with the attached revised sheets 2 and 3.

ATTACHMENTS

- Proposal Sheets (10 pages)
- Plan Sheets (2 pages)

Notes: The above items shall be considered as part of the bid submittal.

The total number of pages included with this addendum is fourteen (14).

All bidders are requested to acknowledge the receipt of the Addendum No. 3 by signing below and faxing this sheet to Nathaniel Carll, Purchasing Department, Maine Turnpike Authority at 207-871-7739. Bidders are also required to acknowledge receipt of this Addendum No. 3 on Page P-11 of the bid package.

Business Name

Print Name and Title

Signature

Date

March 18, 2019

Very truly yours,

MAINE TURNPIKE AUTHORITY

Nathaniel Carll
Purchasing Department
Maine Turnpike Authority

**SCHEDULE OF BID PRICES
CONTRACT NO. 2019.11**

**Northern Bridge Repairs, 6 Locations (Mile 64.3 to Mile 72.9)
Emergency Vehicle Ramps, Bennett Road (Mile 68.6)
New Gloucester Toll Plaza (Mile 67)**

Item No.	Item Description	Units	Approx. Quantities	Unit Prices in Numbers		Bid Amount in Numbers	
				Dollars	Cents	Dollars	Cents
201.11	CLEARING	Acre	0.7				
202.12	REMOVING EXISTING STRUCTURAL CONCRETE	Cubic Yard	55				
202.127	REMOVING EXISTING BITUMINOUS PAVEMENT	Lump Sum	1				
202.1295	HYDRO-DEMOLITION	Square Yard	60				
202.191	REMOVING EXISTING DRAIN TROUGHS	Lump Sum	1				
202.202	REMOVING PAVEMENT SURFACE	Square Yard	287				
202.203	PAVEMENT BUTT JOINT	Square Yard	580				
203.20	COMMON EXCAVATION	Cubic Yard	1,033				
203.25	GRANULAR BORROW	Cubic Yard	108				
304.10	AGGREGATE SUBBASE COURSE - GRAVEL	Cubic Yard	1,340				

CARRIED FORWARD:			
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Item No.	Item Description	Units	Approx. Quantities	Unit Prices in Numbers		Bid Amount in Numbers	
				Dollars	Cents	Dollars	Cents
BROUGHT FORWARD:							
304.14	AGGREGATE BASE COURSE - TYPE A	Cubic Yard	360				
403.208	HOT MIX ASPHALT - 12.5MM NOMINAL MAXIMUM SIZE	Ton	705				
403.211	HOT MIX ASPHALT - SHIM	Ton	15				
403.213	HOT MIX ASPHALT, 12.5MM NOMINAL MAXIMUM SIZE (BASE AND INTERMEDIATE COURSE)	Ton	830				
409.15	BITUMINOUS TACK COAT RS-1 OR RS-Ah - APPLIED	Gallon	417				
419.30	SAWING BITUMINOUS PAVEMENT	Linear Foot	530				
470.08	BERM DROP OFF CORRECTION - GRINDINGS	Ton	110				
502.21	STRUCTURAL CONCRETE, ABUTMENTS AND RETAINING WALLS	Cubic Yard	50				
502.262	STRUCTURAL CONCRETE ROADWAY SLAB WEARING SURFACE	Cubic Yard	5				
502.42	STRUCTURAL CONCRETE, ROADWAY AND SIDEWALK SLAB ON STEEL BRIDGE	Cubic Yard	13				
502.701	BRIDGE DRAIN GRATE MODIFICATIONS	Each	8				
503.14	EPOXY-COATED REINFORCING STEEL, FABRICATED AND DELIVERED	Pound	17,215				
CARRIED FORWARD:							

Item No.	Item Description	Units	Approx. Quantities	Unit Prices in Numbers		Bid Amount in Numbers	
				Dollars	Cents	Dollars	Cents
BROUGHT FORWARD:							
503.15	EPOXY-COATED REINFORCING STEEL, PLACING	Pound	17,215				
503.17	MECHANICAL/WELDED SPLICE	Each	42				
503.90	SYNTHETIC FIBER REINFORCEMENT	Pound	25				
507.0928	ALUMINUM BRIDGE RAILING - RAIL SECTION REPLACE	Linear Foot	20				
507.095	ALUMINUM BRIDGE RAILING - SPLICE MODIFICATION	Each	88				
508.14	HIGH PERFORMANCE WATERPROOFING MEMBRANE	Lump Sum	1				
511.07	COFFERDAM	Each	4				
515.201	PIGMENTED PROTECTIVE COATING FOR CONCRETE SURFACES	Square Yard	1,355				
515.202	CLEAR PROTECTIVE COATING FOR CONCRETE SURFACES	Square Yard	2,265				
515.23	EPOXY OVERLAY	Square Yard	12				
518.10	ABUTMENT REPAIRS	Square Foot	815				
518.20	PIER REPAIRS	Square Foot	2,105				
CARRIED FORWARD:							

Item No.	Item Description	Units	Approx. Quantities	Unit Prices in Numbers		Bid Amount in Numbers	
				Dollars	Cents	Dollars	Cents
BROUGHT FORWARD:							
518.40	EPOXY INJECTION CRACK REPAIR	Linear Foot	445				
518.43	PARAPET JOINT REPAIRS	Linear Foot	1,450				
518.71	REPAIR OF OVERHEAD SURFACES < 8 INCHES	Square Foot	75				
518.75	FASCIA AND OVERHANG REPAIRS	Square Foot	500				
518.80	PARTIAL DEPTH CONCRETE DECK REPAIRS	Square Foot	270				
518.81	FULL DEPTH CONCRETE DECK REPAIRS	Square Foot	15				
520.21	EXPANSION DEVICE - GLAND SEAL	Each	2				
520.2211	EXPANSION DEVICE MODIFICATIONS (WEBSTER ROAD)	Each	2				
520.2211	EXPANSION DEVICE MODIFICATIONS (PLAINS ROAD)	Each	2				
523.522	BEARING BOLSTERS & SPACER PLATES, FABRICATED AND DELIVERED	Lump Sum	1				
523.524	BEARING BOLSTERS & SPACER PLATES, INSTALLED	Lump Sum	1				
524.7211	JACKING EXISTING SUPERSTRUCTURE	Lump Sum	1				
CARRIED FORWARD:							

Item No.	Item Description	Units	Approx. Quantities	Unit Prices in Numbers		Bid Amount in Numbers	
				Dollars	Cents	Dollars	Cents
BROUGHT FORWARD:							
526.301	TEMPORARY CONCRETE BARRIER, TYPE 1	Lump Sum	1				
526.306	TEMPORARY CONCRETE BARRIER, TYPE 1 - SUPPLIED BY THE AUTHORITY	Lump Sum	1				
527.341	WORK ZONE CRASH CUSHIONS - TL-3	Unit	14				
527.342	WORK ZONE CRASH CUSHIONS - TL-2	Unit	2				
603.169	15 INCH CULVERT PIPE OPTION III	Linear Foot	150				
603.55	CONCRETE PIPE TIES	Group	18				
603.91	PRESSURE TREATED WOOD DRAIN TROUGH	Linear Foot	80				
606.1301	31" W-BEAM GUARDRAIL - MID-WAY SPLICE (STEEL POST, 8" OFFSET BLOCKS, SINGLE FACED)	Linear Foot	532				
606.1303	31" W-BEAM GUARDRAIL - MID-WAY SPLICE (STEEL POST, 8" OFFSET BLOCKS, 15' RADIUS AND LESS)	Linear Foot	19				
606.1304	31" W-BEAM GUARDRAIL - MID-WAY SPLICE (STEEL POST, 8" OFFSET BLOCKS, OVER 15' RADIUS)	Linear Foot	71				
606.1305	31" W-BEAM GUARDRAIL - MID-WAY SPLICE FLARED TERMINAL (31" HEIGHT)	Each	1				

CARRIED FORWARD:							
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Item No.	Item Description	Units	Approx. Quantities	Unit Prices in Numbers		Bid Amount in Numbers	
				Dollars	Cents	Dollars	Cents
BROUGHT FORWARD:							
606.1351	TERMINAL END - ANCHORED END - 31" W-BEAM GUARDRAIL	Each	4				
606.1723	BRIDGE TRANSITION - TYPE III	Each	4				
606.353	REFLECTORIZED FLEXIBLE GUARDRAIL MARKER	Each	9				
606.3631	GUARDRAIL - REMOVE AND STACK OR DISPOSE	Linear Foot	769				
607.09	WOVEN WIRE FENCE - METAL POSTS	Linear Foot	130				
607.17	CHAIN LINK FENCE - 6 FOOT	Linear Foot	895				
607.23	CHAIN LINK FENCE GATE	Each	6				
607.2326	AUTOMATIC ENTRY GATE SYSTEM	Lump Sum	1				
607.32	BRACING ASSEMBLY TYPE I - METAL POSTS	Each	8				
607.33	BRACING ASSEMBLY TYPE II - METAL POSTS	Each	2				
607.34	BRACING ASSEMBLY CHAIN LINK FENCE	Each	48				
609.191	CONCRETE CURB TYPE 2	Linear Foot	60				
CARRIED FORWARD:							

Item No.	Item Description	Units	Approx. Quantities	Unit Prices in Numbers		Bid Amount in Numbers	
				Dollars	Cents	Dollars	Cents
BROUGHT FORWARD:							
610.08	PLAIN RIPRAP	Cubic Yard	26				
613.319	EROSION CONTROL BLANKET	Square Yard	1,390				
615.07	LOAM	Cubic Yard	400				
618.14	SEEDING METHOD NUMBER 2	Unit	33				
619.1201	MULCH - PLAN QUANTITY	Unit	28				
619.1301	BARK MULCH	Cubic Yard	105				
620.58	EROSION CONTROL GEOTEXTILE	Square Yard	34				
620.625	CELLULAR CONFINEMENT SYSTEM	Square Yard	350				
621.037	EVERGREEN TREE (5'-6') GROUP GP A	Each	10				
626.12	QUAZITE JUNCTION BOX	Each	3				
626.22	NON-METALLIC CONDUIT	Linear Foot	360				
626.223	HORIZONTAL DIRECTIONAL DRILLED CONDUIT	Linear Foot	720				
CARRIED FORWARD:							

Item No.	Item Description	Units	Approx. Quantities	Unit Prices in Numbers		Bid Amount in Numbers	
				Dollars	Cents	Dollars	Cents
BROUGHT FORWARD:							
627.712	WHITE OR YELLOW PAINTED PAVEMENT MARKING LINE	Linear Foot	4,510				
627.752	TEMPORARY WHITE OR YELLOW PAVEMENT AND CURB MARKING	Square Foot	36				
627.77	REMOVING PAVEMENT MARKINGS	Square Foot	720				
627.78	TEMPORARY PAVEMENT MARKING LINE, WHITE OR YELLOW	Linear Foot	10,550				
629.05	HAND LABOR - STRAIGHT TIME	Hour	60				
631.12	ALL PURPOSE EXCAVATOR (INCLUDING OPERATOR)	Hour	30				
631.172	TRUCK-LARGE (INCLUDING OPERATOR)	Hour	60				
631.32	CULVERT CLEANER (INCLUDING OPERATOR)	Hour	5				
631.36	FOREMAN	Hour	30				
639.19	FIELD OFFICE, TYPE B	Each	1				
643.72	TEMPORARY TRAFFIC SIGNAL	Lump Sum	1				
645.106	DEMOUNT REGULATORY, WARNING, CONFIRMATION AND ROUTE MARKER ASSEMBLY SIGN	Each	10				
CARRIED FORWARD:							

Item No.	Item Description	Units	Approx. Quantities	Unit Prices in Numbers		Bid Amount in Numbers	
				Dollars	Cents	Dollars	Cents
BROUGHT FORWARD:							
645.116	REINSTALL REGULATORY, WARNING, CONFIRMATION AND ROUTE MARKER ASSEMBLY SIGN	Each	10				
645.271	REGULATORY, WARNING, CONFIRMATION AND ROUTE MARKER ASSEMBLY SIGN, TYPE I	Square Foot	45				
652.30	FLASHING ARROW BOARD	Each	14				
652.312	TYPE III BARRICADE	Each	13				
652.331	DRUM	Lump Sum	1.0				
652.34	CONE	Each	15				
652.35	CONSTRUCTION SIGNS	Square Foot	9,614				
652.361	MAINTENANCE OF TRAFFIC CONTROL DEVICES	Lump Sum	1				
652.38	FLAGGERS	Hour	1,010				
652.41	PORTABLE-CHANGEABLE MESSAGE SIGN	Each	8				
652.45	TRUCK MOUNTED ATTENUATOR	Cal. Day	50				
652.451	AUTOMATED TRAILER MOUNTED SPEED LIMIT SIGN	Cal. Day	46				
CARRIED FORWARD:							

Item No.	Item Description	Units	Approx. Quantities	Unit Prices in Numbers		Bid Amount in Numbers	
				Dollars	Cents	Dollars	Cents
BROUGHT FORWARD:							
652.46	TEMPORARY PORTABLE RUMBLE STRIPS	Unit	150	\$150	00	\$22,500	00
655.04	INSTALLATION OF SENSOR LOOPS	Lump Sum	1				
656.50	BALED HAY, IN PLACE	Each	240				
656.60	TEMPORARY BERMS	Linear Foot	230				
656.62	TEMPORARY SLOPE DRAINS	Linear Foot	230				
656.632	30 INCH TEMPORARY SILT FENCE	Linear Foot	3,330				
659.10	MOBILIZATION	Lump Sum	1				
TOTAL:							

Date: 3/18/2019

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Item No.	Item Description	Unit	ESTIMATED QUANTITIES									
			Quantities									
			Mile 62.3 Pleasant River Culvert	Mile 64.3 Route 26 Underpass	Mile 65.25 Cole Brook Culvert	Mile 68.6 Bennett Road EVR	Mile 72.9 Foster Brook Culvert	Mile 82.7 Webster Road Underpass	Mile 95.6 Plains Road Underpass	Mile 67.0 New Gloucester Toll Plaza	Total Quantity	
201.11	CLEARING	AC		0.10		0.60					0.70	
202.12	REMOVING EXISTING STRUCTURAL CONCRETE	CY		55							55	
202.127	REMOVING EXISTING BITUMINOUS PAVEMENT	LS		0.47				0.20	0.33		1	
202.1295	HYDRO-DEMOLITION	SY								60	60	
202.191	REMOVING EXISTING DRAIN TROUGHS	LS		1							1	
202.202	REMOVING PAVEMENT SURFACE	SY		240		47					287	
202.203	PAVEMENT BUTT JOINT	SY						250	330		580	
203.20	COMMON EXCAVATION	CY		373		660					1,033	
203.25	GRANULAR BORROW	CY		108							108	
304.10	AGGREGATE SUBBASE COURSE - GRAVEL	CY		390		950					1,340	
304.14	AGGREGATE BASE COURSE - TYPE A	CY				360					360	
403.208	HOT MIX ASPHALT - 12.5MM NOMINAL MAXIMUM SIZE	TON		218		310		65	112		705	
403.211	HOT MIX ASPHALT - SHIM	TON		15							15	
403.213	HOT MIX ASPHALT, 12.5MM NOMINAL MAXIMUM SIZE (BASE AND INTERMEDIATE COURSE)	TON		378		330		45	77		830	
409.15	BITUMINOUS TACK COAT RS-1 OR RS-Ah - APPLIED	GAL		188		120		40	69		417	
419.30	SAWING BITUMINOUS PAVEMENT	LF		140		390					530	
470.08	BERM DROP OFF CORRECTION - GRINDINGS	TON				110					110	
502.21	STRUCTURAL CONCRETE, ABUTMENTS AND RETAINING WALLS	CY		50							50	
502.262	STRUCTURAL CONCRETE ROADWAY SLAB WEARING SURFACE	CY								5	5	
502.42	STRUCTURAL CONCRETE, ROADWAY AND SIDEWALK SLAB ON STEEL BRIDGE	CY		13							13	
502.701	BRIDGE DRAIN GRATE MODIFICATIONS	EA		2				2	4		8	
503.14	EPOXY COATED REINFORCING STEEL, FABRICATED AND DELIVERED	LB		17,215							17,215	
503.15	EPOXY-COATED REINFORCING STEEL, PLACING	LB		17,215							17,215	
503.17	MECHANICAL WELDED SPLICE	EA		42							42	
503.90	SYNTHETIC FIBER REINFORCEMENT	LB								25	25	
507.0928	ALUMINUM BRIDGE RAILING - RAIL SECTION REPLACE	LF		20							20	
507.095	ALUMINUM BRIDGE RAILING - SPLICE MODIFICATION	EA		32				20	36		88	
508.14	HIGH PERFORMANCE WATERPROOFING MEMBRANE	LS		0.47				0.20	0.33		1	
511.07	COFFERDAM	EA	2		2						4	
515.201	PIGMENTED PROTECTIVE COATING FOR CONCRETE SURFACES	SY		675				275	405		1,355	
515.202	CLEAR PROTECTIVE COATING FOR CONCRETE SURFACES	SY		890				470	755	150	2,265	
515.23	EPOXY OVERLAY	SY								12	12	
518.10	ABUTMENT REPAIRS	SF	125	520	125			35	10		815	
518.20	PIER REPAIRS	SF		1,155				220	730		2,105	
518.40	EPOXY INJECTION CRACK REPAIR	LF	125	40	275				5		445	
518.43	PARAPET JOINT REPAIRS	LF		580				325	545		1,450	
518.71	REPAIR OF OVERHEAD SURFACES < 8 INCHES	SF						75			75	
518.75	FASCIA AND OVERHANG REPAIRS	SF							500		500	
518.80	PARTIAL DEPTH CONCRETE DECK REPAIRS	SF		85				75	110		270	
518.81	FULL DEPTH CONCRETE DECK REPAIRS	SF		5				5	5		15	
520.21	EXPANSION DEVICE - GLAND SEAL	EA		2							2	
520.2211	EXPANSION DEVICE MODIFICATIONS (WEBSTER ROAD)	EA						2			2	
520.2211	EXPANSION DEVICE MODIFICATIONS (PLAINS ROAD)	EA							2		2	
523.522	BEARING BOLSTERS & SPACER PLATES, FABRICATED AND DELIVERED	LS		1							1	
523.524	BEARING BOLSTERS & SPACER PLATES, INSTALLED	LS		1							1	
524.7211	JACKING EXISTING SUPERSTRUCTURE	LS		1							1	
526.301	TEMPORARY CONCRETE BARRIER, TYPE 1	LS	0.17		0.17	0.25	0.17	0.11	0.11		1	
526.306	TEMPORARY CONCRETE BARRIER, TYPE 1 - SUPPLIED BY THE AUTHORITY	LS		1							1	
527.341	WORK ZONE CRASH CUSHIONS - TL-3	UNIT	2	2	2	2	2	2	2		14	
527.342	WORK ZONE CRASH CUSHIONS - TL-2	UNIT		2							2	
603.169	15 INCH CULVERT PIPE OPTION III	LF				150					150	
603.55	CONCRETE PIPE TIES	GP					18				18	
603.91	PRESSURE TREATED WOOD DRAIN TROUGH	LF		80							80	
606.1301	31" W-BEAM GUARDRAIL - MID-WAY SPLICE (STEEL POST, 8" OFFSET BLOCKS, SINGLE FACED)	LF		450		82					532	
606.1303	31" W-BEAM GUARDRAIL - MID-WAY SPLICE (STEEL POST, 8" OFFSET BLOCKS, 15' RADIUS AND LESS)	LF				19					19	
606.1304	31" W-BEAM GUARDRAIL - MID-WAY SPLICE (STEEL POST, 8" OFFSET BLOCKS, OVER 15' RADIUS)	LF		25		46					71	
606.1305	31" W-BEAM GUARDRAIL - MID-WAY SPLICE FLARED TERMINAL (31" HEIGHT)	EA		1							1	
606.1351	TERMINAL END - ANCHORED END - 31" W-BEAM GUARDRAIL	EA		1		3					4	
606.1723	BRIDGE TRANSITION - TYPE III	EA		4							4	

ROUTE 26 EARTHWORK SUMMARY	
COMMON EXCAVATION FOR ESTIMATE	
COMMON EXCAVATION (FROM CROSS SECTIONS)	220
COMMON EXCAVATION (FROM BRIDGE)	93
GRUBBING IN FILL	21
PAVEMENT SALVAGE IN FILL	36
TOTAL COMMON EXCAVATION (for estimate)	370
FILL FOR BORROW CALCULATIONS	
COMMON FILL (FROM CROSS SECTIONS)	74
GRUBBING IN FILL	21
PAVEMENT SALVAGE IN FILL	36
TOTAL FILL	131
AVAILABLE COMMON EXCAVATION FOR BORROW CALCULATIONS	
(1) TOTAL COMMON EXCAVATION	370
DEDUCTIONS:	
GRUBBING IN CUT	33
GRUBBING IN FILL	21
PAVEMENT SALVAGE (CUT & FILL)	151
(2) TOTAL DEDUCTIONS	206
TOTAL AVAILABLE COMMON EXCAVATION (1) MINUS (2)	164
RIPRAP EXCAVATION (1/2 USABLE)	10
TOTAL AVAILABLE NON-ROCK EXCAVATION	174
COMPUTATION OF WASTE STORAGE & WASTE MATERIAL	
TOTAL AVAIL. WASTE STORAGE AREA (FROM CROSS SECTIONS)	0
GRUBBING IN CUT	33
GRUBBING IN FILL	21
RIPRAP EXCAVATION (1/2 WASTE)	10
TOTAL WASTE MATERIAL TO BE UTILIZED (LOWER OF TOTAL AVAILABLE WASTE STORAGE AREA OR TOTAL WASTE MATERIAL)	0
TOTAL WASTE MATERIAL TO BE WASTED (TOTAL WASTE MATERIAL MINUS TOTAL WASTE MATERIAL TO BE UTILIZED)	64
COMPUTATION OF GRANULAR BORROW FOR ESTIMATE	
GRANULAR BORROW FOR BRIDGE	108
GRANULAR BORROW =	108 x 1.00 = 108
COMPUTATION FOR COMMON BORROW FOR ESTIMATE	
(3) TOTAL FILL	131
TOTAL AVAIL. NON-ROCK EXCAV.	174 x 0.90 = 156
TOTAL AVAIL. ROCK EXCAV.	0 x 1.30 = 0
TOTAL AVAIL. STR. ROCK EXCAV.	0 x 1.30 = 0
TOTAL WASTE MATERIAL TO BE UTILIZED	0 x 1.10 = 0
(4) TOTAL AVAILABLE EXCAVATION	156
BORROW NEEDED = TOTAL FILL MINUS TOTAL AVAILABLE EXCAVATION	-25
IF NO BORROW IS NEEDED, SURPLUS MATERIAL = AVAILABLE EXCAVATION MINUS TOTAL FILL, PLUS TOTAL WASTE MATERIAL TO BE WASTED	90

Scale: NOT TO SCALE			
No.	Revision	By	Date
1	Add 503.17	DSM	3/19
2	Add 526.301 and Revised 203.20, 203.25, 304.10, and 526.306	DSM	3/19

Designed by:

TYLIN INTERNATIONAL

CONSULTANT PROJECT MANAGER: Daniel S. Myers

Designed	By	Date	Checked	By	Date
Drawn	DSM	1/2019	In Charge of	KSD	1/2019

T.Y. Lin International
 12 Northbrook Drive
 Building A, Suite One
 Falmouth, Maine 04105
 TEL: (207) 781-4721
 FAX: (207) 781-4753

MAINE TURNPIKE

THE GOLD STAR MEMORIAL HIGHWAY

MTA PROJECT MANAGER: Ralph C. Norwood, IV

NORTHERN BRIDGE REPAIRS & BENNETT ROAD EMERGENCY VEHICLE RAMPS

ESTIMATED QUANTITIES

SHEET 1 OF 2

SHEET NUMBER: QT-01

CONTRACT: 2019.11

2 OF 105

Date: 3/18/2019

Filename: ... \MSTA\002B_Quantities.dgn

ESTIMATED QUANTITIES											
Item No.	Item Description	Unit	Quantities								Total Quantity
			Mile 62.3 Pleasant River Culvert	Mile 64.3 Route 26 Underpass	Mile 65.25 Cole Brook Culvert	Mile 68.6 Bennett Road EVR	Mile 72.9 Foster Brook Culvert	Mile 82.7 Webster Road Underpass	Mile 95.6 Plains Road Underpass	Mile 67.0 New Gloucester Toll Plaza	
606.353	REFLECTORIZED FLEXIBLE GUARDRAIL MARKER	EA		6		3					9
606.3631	GUARDRAIL - REMOVE AND STACK OR DISPOSE	LF		590		179					769
607.09	WOVEN WIRE FENCE - METAL POSTS	LF				130					130
607.17	CHAIN LINK FENCE - 6 FOOT	LF		350				285	260		895
607.23	CHAIN LINK FENCE GATE	EA		2				2	2		6
607.2326	AUTOMATIC ENTRY GATE SYSTEM	LS				1					1
607.32	BRACING ASSEMBLY TYPE I - METAL POSTS	EA				8					8
607.33	BRACING ASSEMBLY TYPE II - METAL POSTS	EA				2					2
607.34	BRACING ASSEMBLY CHAIN LINK FENCE	EA		16				16	16		48
609.191	CONCRETE CURB TYPE 2	LF		60							60
610.08	PLAIN RIPRAP	CY		20		6					26
613.319	EROSION CONTROL BLANKET	SY		550		840					1,390
615.07	LOAM	CY		70		330					400
618.14	SEEDING METHOD NUMBER 2	UNIT		6		27					33
619.1201	MULCH - PLAN QUANTITY	UNIT		1		27					28
619.1301	BARK MULCH	CY		40				30	35		105
620.58	EROSION CONTROL GEOTEXTILE	SY		15		19					34
620.625	CELLULAR CONFINEMENT SYSTEM	SY		350							350
621.037	EVERGREEN TREE (5'-6') GROUP GP A	EA				10					10
626.12	QUAZITE JUNCTION BOX	EA				3					3
626.22	NON-METALLIC CONDUIT	LF				360					360
626.223	HORIZONTAL DIRECTIONAL DRILLED CONDUIT	LF				720					720
627.712	WHITE OR YELLOW PAINTED PAVEMENT MARKING LINE	LF		2,150				860	1,500		4,510
627.752	TEMPORARY WHITE OR YELLOW PAVEMENT AND CURB MARKING	SF		36							36
627.77	REMOVING PAVEMENT MARKINGS	SF		720							720
627.78	TEMPORARY PAVEMENT MARKING LINE, WHITE OR YELLOW	LF		5,850				1,750	2,950		10,550
629.05	HAND LABOR - STRAIGHT TIME	HR		40		20					60
631.12	ALL PURPOSE EXCAVATOR (INCLUDING OPERATOR)	HR		20		10					30
631.172	TRUCK-LARGE (INCLUDING OPERATOR)	HR		40		20					60
631.32	CULVERT CLEANER (INCLUDING OPERATOR)	HR		5							5
631.36	FOREMAN	HR		20		10					30
639.19	FIELD OFFICE, TYPE B	EA	0.03	0.43	0.04	0.18	0.02	0.10	0.18	0.02	1
643.72	TEMPORARY TRAFFIC SIGNAL	LS		1							1
645.106	DEMOUNT REGULATORY, WARNING, CONFIRMATION AND ROUTE MARKER ASSEMBLY SIGN	EA		3		7					10
645.116	REINSTALL REGULATORY, WARNING, CONFIRMATION AND ROUTE MARKER ASSEMBLY SIGN	EA		3		7					10
645.271	REGULATORY, WARNING, CONFIRMATION AND ROUTE MARKER ASSEMBLY SIGN, TYPE I	SF		18		27					45
652.30	FLASHING ARROW BOARD	EA	2	2	2	2	2	2	2		14
652.312	TYPE III BARRICADE	EA		2		2		3	4	2	13
652.331	DRUM	LS	0.14	0.12	0.14	0.12	0.14	0.14	0.14	0.07	1
652.34	CONE	EA								15	15
652.35	CONSTRUCTION SIGNS	SF	1,200	1,850	1,200	1,200	1,200	1,350	1,550	64	9,614
652.361	MAINTENANCE OF TRAFFIC CONTROL DEVICES	LS	0.06	0.38	0.06	0.13	0.06	0.13	0.13	0.05	1
652.38	FLAGGERS	HR		430		580					1,010
652.41	PORTABLE-CHANGEABLE MESSAGE SIGN	EA		2		2		2	2		8
652.45	TRUCK MOUNTED ATTENUATOR	CD	4	4	4	6	4	14	14		50
652.451	AUTOMATED TRAILER MOUNTED SPEED LIMIT SIGN	CD	4	4	4	2	4	14	14		46
652.46	TEMPORARY PORTABLE RUMBLE STRIPS	UNIT	12	12	12	18	12	42	42		150
655.04	INSTALLATION OF SENSOR LOOPS	LS								1	1
656.50	BALED HAY, IN PLACE	EA	10	50	20	100	10	20	30		240
656.60	TEMPORARY BERMS	LF	10	40	10	80	10	40	40		230
656.62	TEMPORARY SLOPE DRAINS	LF	10	40	10	80	10	40	40		230
656.632	30 INCH TEMPORARY SILT FENCE	LF	100	630	160	1,950	150	100	240		3,330
659.10	MOBILIZATION	LS	0.03	0.43	0.04	0.18	0.02	0.10	0.18	0.02	1

BENNETT ROAD EARTHWORK SUMMARY	
COMMON EXCAVATION FOR ESTIMATE	
COMMON EXCAVATION (FROM CROSS SECTIONS)	352
EARTH FROM DRIVES, OLD ROAD, ETC	1
GRUBBING IN FILL	236
CULVERT INLET AND OUTLET DITCHES	15
PAVEMENT SALVAGE IN FILL	61
TOTAL COMMON EXCAVATION (for estimate)	664
FILL FOR BORROW CALCULATIONS	
COMMON FILL (FROM CROSS SECTIONS)	200
GRUBBING IN FILL	236
GRAVEL TO REPLACE GRUBBING IN FILL (SEE GENERAL NOTES)	-236
PAVEMENT SALVAGE IN FILL (OFF ROAD ONLY)	5
TOTAL FILL	205
AVAILABLE COMMON EXCAVATION FOR BORROW CALCULATIONS	
(1) TOTAL COMMON EXCAVATION	664
DEDUCTIONS:	
GRUBBING IN CUT	191
GRUBBING IN FILL	236
PAVEMENT SALVAGE (CUT & FILL)	70
(2) TOTAL DEDUCTIONS	497
TOTAL AVAILABLE COMMON EXCAVATION (1) MINUS (2)	167
RIPPRAP EXCAVATION (1/2 USABLE)	3
TOTAL AVAILABLE NON-ROCK EXCAVATION	170
COMPUTATION OF WASTE STORAGE & WASTE MATERIAL	
TOTAL AVAIL. WASTE STORAGE AREA (FROM CROSS SECTIONS)	0
GRUBBING IN CUT	191
GRUBBING IN FILL	236
RIPPRAP EXCAVATION (1/2 WASTE)	3
TOTAL WASTE MATERIAL TO BE UTILIZED (LOWER OF TOTAL AVAILABLE WASTE STORAGE AREA OR TOTAL WASTE MATERIAL)	0
TOTAL WASTE MATERIAL TO BE WASTED (TOTAL WASTE MATERIAL MINUS TOTAL WASTE MATERIAL TO BE UTILIZED)	430
COMPUTATION FOR COMMON BORROW FOR ESTIMATE	
(3) TOTAL FILL	205
TOTAL AVAIL. NON-ROCK EXCAV.	170 x 0.90 = 153
TOTAL AVAIL. ROCK EXCAV.	0 x 1.30 = 0
TOTAL AVAIL. STR. ROCK EXCAV.	0 x 1.30 = 0
TOTAL WASTE MATERIAL TO BE UTILIZED	0 x 1.10 = 0
(4) TOTAL AVAILABLE EXCAVATION	153
BORROW NEEDED = TOTAL FILL MINUS TOTAL AVAILABLE EXCAVATION	52
USE AGGREGATE SUBBASE COURSE TO ACCOUNT FOR BORROW NEEDED	52

Scale: NOT TO SCALE

No.	Revision	By	Date
1	Revise 623 items and 652.312	DSM	3/19
2	Revised Earthwork Summary and notes	TSK	3/19

Designed by:

TYLIN INTERNATIONAL

CONSULTANT PROJECT MANAGER: Daniel S. Myers

	By	Date	By	Date	
Designed	DSM	1/2019	Checked	KSD	1/2019
Drawn	DSM	1/2019	In Charge of	DSM	1/2019

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MAINE TURNPIKE

THE GOLD STAR MEMORIAL HIGHWAY

MTA PROJECT MANAGER: Ralph C. Norwood, IV

NORTHERN BRIDGE REPAIRS & BENNETT ROAD EMERGENCY VEHICLE RAMPS

ESTIMATED QUANTITIES SHEET 2 OF 2

SHEET NUMBER: QT-02

CONTRACT: 2019.11

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