



49 COURT STREET  
 BINGHAMTON, NEW YORK 13902  
 PHONE (607) 723-9421  
 FAX (607) 723-4979  
 www.mjinc.com

JOB: **PROJECT NAME: Loft Road over Schenevus Creek Bridge**  
**PIN NUMBER: 9755.19**

SHEET: OF  
 CALC. BY: LAS DATE: 9/23/24  
 CHECKED BY: RSG DATE: 12/5/24  
 ITEM NUMBER: 201.06 - 1

ITEM 201.06 (LS)						
CLEARING AND GRUBBING						
RS Means 2012 - B-1 CREW						
LABOR:						
Item	Qty.	Unit	Duration	Price/Unit	Days	Cost
Labor Foreman (Crew B-1)	1	EA	8 hrs/day	\$57.10	10	\$4,568.00
Laborer (Crew B-1)	2	EA	8 hrs/day	\$54.00	10	\$8,640.00
Equipment Operator (med) (Crew B-3)	1	EA	8 hrs/day	\$70.25	10	\$5,620.00
LABOR:						\$18,828.00
EQUIPMENT:						
Item	Qty.	Unit	Duration	Price/Unit	Day	Cost
Pickup Truck (01 54 3340 7100)	1	EA	8 hrs/day	\$58.50	10	\$585.00
Chainsaw (01 54 3340 5800)	1	EA	8 hrs/day	\$19.65	20	\$393.00
Backhoe (01 54 3320 0400)	1	EA	8 hrs/day	\$240.00	10	\$2,400.00
Brush Chipper (01 54 3320 0500)	1	EA	8 hrs/day	\$107.00	10	\$1,070.00
EQUIPMENT:						\$4,448.00
LABOR:						\$18,828.00
EQUIPMENT:						\$4,448.00
<b>TOTAL:</b>						<b>\$23,276.00</b>

Added for unanticipated field conditions:	
<b>SAY:</b>	<b>24,000</b>

PREPARED BY: LAS  
 CHECKED BY: RSG  
 COMP DATE: #####  
[Estimate Summary](#)



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JOB: **PROJECT NAME: Loft Road over Schenevus Creek Bridge**  
**PIN NUMBER: 9755.19**

SHEET:	OF		
CALC. BY:	RSG	DATE:	2/26/26
CHECKED BY:	LAS	DATE:	12/3/25
ITEM NUMBER:	202.120001 - 1		

<u>ITEM NO.</u>	<u>DESCRIPTION</u>	<u>UNITS</u>
202.120001	REMOVING EXISTING SUPERSTRUCTURES	LS

QTY	175000
ROUNDING	0
TOTAL	175000



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JOB: **PROJECT NAME: Loft Road over Schenevus Creek Bridge**  
**PIN NUMBER: 9755.19**

SHEET:	OF		
CALC. BY:	RSG	DATE:	10/11/24
CHECKED BY:	LAS	DATE:	12/3/24
ITEM NUMBER:	202.19 - 1		

<u>ITEM NO.</u>	<u>DESCRIPTION</u>	<u>UNITS</u>	
<b>202.19</b>	<b>REMOVAL OF SUBSTRUCTURES</b>		<b>CY</b>
	Begin Area	93 SF (See dgn - estimated)	QTY
	Assumed Top Elev	1196 ft	
	Assumed Sawcut Elevation	1184 ft	ROUNDING
	Subtotal	1116 CF	TOTAL
			<b>52</b>
	End Area	55 SF (See dgn - estimated)	
	Assumed Top Elev	1195 ft	
	Assumed Sawcut Elevation	1190 ft	
	Subtotal	275 CF	
	Total	51.51851852	



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JOB: PROJECT NAME: Loft Road over Schenevus Creek Bridge  
 PIN NUMBER: 9755.19

SHEET:	OF		
CALC. BY:	MRV	DATE:	11-12-24
CHECKED BY:	LAS	DATE:	12/6/24
ITEM NUMBER:	203.02 - 1		

ITEM 203.02 (CY)	
UNCLASSIFIED EXCAVATION AND DISPOSAL	
	VOLUME (CY)
From END AREAS CUT FILL.XLS:	174
	<b>157</b>
Added for unanticipated field conditions:	
<b>SAY:</b>	<b>332</b>

NOTE: Volume linked to earthwork summary sheets and inputs automatically

[STANDARD SHEETS FOR 203](#)

PREPARED BY: MRV  
 CHECKED BY: LAS  
 COMP DATE: 6-Dec  
[Estimate Summary](#)

			1265		
			2900		
	unit price from estimator				
		all surface	3825		
				10683	
M:\18825.00 Loft Road Bridge\Draw\Drawings\Modeling\quant xsec					
see dgnfile - existing pavement area	1265 sf		14508	1.5	67.1667
	2900 sf				
turf areas	2000				
	total		4165	7	89.9846
			14508	1.5	67.1667
					157.151



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JOB: **PROJECT NAME: Loft Road over Schenevus Creek Bridge**  
**PIN NUMBER: 9755.19**

SHEET:	OF		
CALC. BY:	MRV	DATE:	11-12-24
CHECKED BY:	LAS	DATE:	12/4/24
ITEM NUMBER:	203.03 - 1		

ITEM 203.03 (CY) EMBANKMENT IN PLACE	
	VOLUME (CY)
dry hydrant	31
<b>From END AREA VOLUME.XLS:</b>	<b>521</b>
Added for unanticipated field conditions:	
<b>SAY:</b>	<b>553</b>

unit price from vestal

see M:\18825.00 Loft Road Bridge\Draw\Drawings\Working\Estimate CADD\dry hydrant trench and culvert.dgn for work up

**NOTE: Volume linked to earthwork summary sheets and inputs automatically**

[STANDARD SHEETS FOR 203](#)

PREPARED BY: MRV  
 CHECKED BY: LAS  
 COMP DATE: 4-Dec  
[Estimate Summary](#)

Bridge Excavation Areas - Volume from End Area = subbase to top of existing grade. Add in existing grade to excavation.

End Abutment - orange areas in dirt quantities.dgn 102.5 CY  
 Begin Abutment - orange areas\*\* 105.6 CY

\*\* Assumed 7.5ft from rear face of fill wall will be internal stabilization included in 554.42 and not embankment in place.



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JOB: PROJECT NAME: Loft Road over Schenopus Creek Bridge  
 PIN NUMBER: 9755.19  
 SHEET: GF  
 CALC BY: LAS DATE: 10/09/2024  
 CHECKED BY: RSG DATE: 12/5/24  
 ITEM NUMBER: 203.21 - 1

ITEM NO.	DESCRIPTION	UNITS	
203.21	SELECT STRUCTURE FILL		CY
See ...working\Estimate CADD\dirt quantities.dgn			
Begin Abutment			
	Light Pink	131.8	CY
	Dark Pink	81.3	CY
	- Vol of footing	-21.9444	CY
End Abutment			
	Light Pink	71.3	CY
	Dark Pink	67.8	CY
	- Vol of footing	-15.9907	CY
Total		314.265	CY

Begin abutment  
Light Pink

Mode: Selected Shapes  
Input Grid Factor: 1.000000

Original Surface: Excavation Begin Abut  
Description:  
Preference: Default  
Type: Existing  
Design Surface: Loft Bot Subbase  
Description:  
Preference: Default  
Type: Existing  
Cut Factor: 1.000  
Fill Factor: 1.000

Cut:	0.000 cu ft
Fill:	3559.275 cu ft
Net:	-3559.275 cu ft

Cut:	0.000 cu yd
Fill:	131.825 cu yd
Net:	-131.825 cu yd

Dark Pink

Mode: Selected Shapes  
Input Grid Factor: 1.000000

Original Surface: Excavation Begin Abut  
Description:  
Preference: Default  
Type: Existing  
Design Surface: Loft Bot Subbase  
Description:  
Preference: Default  
Type: Existing  
Cut Factor: 1.000  
Fill Factor: 1.000

Cut:	0.000 cu ft
Fill:	2195.588 cu ft
Net:	-2195.588 cu ft

Cut:	0.000 cu yd
Fill:	81.318 cu yd
Net:	-81.318 cu yd

Begin abutment  
Light Pink

Mode: Selected Shapes  
Input Grid Factor: 1.000000

Original Surface: Excavation End Abut  
Description:  
Preference: Default  
Type: Existing  
Design Surface: Loft Bot Subbase  
Description:  
Preference: Default  
Type: Existing  
Cut Factor: 1.000  
Fill Factor: 1.000

Cut:	0.000 cu ft
Fill:	1926.734 cu ft
Net:	-1926.734 cu ft

Cut:	0.000 cu yd
Fill:	71.361 cu yd
Net:	-71.361 cu yd

Dark Pink

Mode: Selected Shapes  
Input Grid Factor: 1.000000

Original Surface: Excavation End Abut  
Description:  
Preference: Default  
Type: Existing  
Design Surface: Loft Bot Subbase  
Description:  
Preference: Default  
Type: Existing  
Cut Factor: 1.000  
Fill Factor: 1.000

Cut:	0.000 cu ft
Fill:	1831.742 cu ft
Net:	-1831.742 cu ft

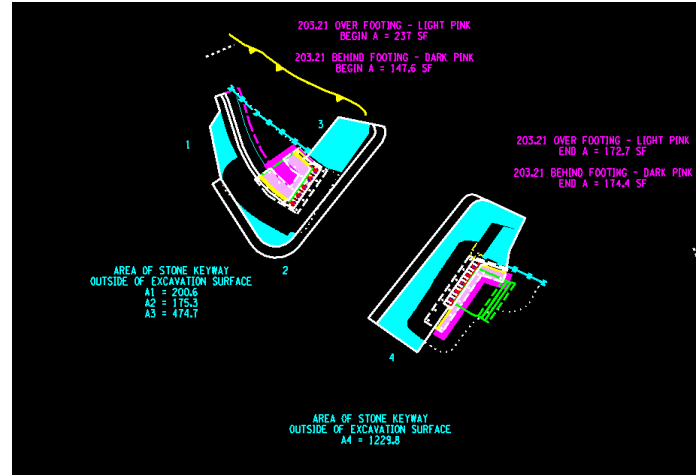
Cut:	0.000 cu yd
Fill:	67.842 cu yd
Net:	-67.842 cu yd

Check

Begin Abutment	Area	Bot EL	Top EL	Depth	Volume (CY)
Light Pink	237	1185	1197.02	12.02	105.508889
Dark Pink	148	1182.5	1197.02	14.52	79.5911111
			Total		185.1 CY

End Abutment	Area	Bot EL	Top EL	Depth	Volume (CY)
Light Pink	173	1186	1198	12	76.8888889
Dark Pink	175	1188.5	1198	9.5	61.5740741
			Total		138.462963 CY





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**PIN NUMBER: 9755.19**

SHEET:	OF		
CALC. BY:	LAS	DATE:	12/5/24
CHECKED BY:	RSG	DATE:	12/5/24
ITEM NUMBER:	203.25 - 1		

<u>ITEM NO.</u>	<u>DESCRIPTION</u>	<u>UNITS</u>
203.25	SAND BACKFILL	CY

see M:\18825.00 Loft Road Bridge\Draw\Drawings\Working\Estimate CADD\dry hydrant trench and culvert.dgn for work up

QTY	8
ROUNDING	0
TOTAL	8



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JOB: PROJECT NAME: Loft Road over Schenevus Creek Bridge  
 PIN NUMBER: 9755.19

SHEET:	OF		
CALC. BY:	LAS	DATE:	12/4/24
CHECKED BY:	rsg	DATE:	12/5/24
ITEM NUMBER:	206.01 - 1		

ITEM NO.	DESCRIPTION	UNITS
<b>206.01</b>	<b>STRUCTURE EXCAVATION</b>	<b>CY</b>
Begin	Excavation for abut	556.2 CY
	Begin Stone Areas	7.5 CY
		30.1 CY
		147.6 CY
		<b>QTY 1303</b>
		<b>ROUNDING 0</b>
End	Excavation for abut	353.9 CY
	End Stone Areas	208.1 CY
		<b>TOTAL 1304</b>
Total		1303.4 CY

See ...working\Estimate CADD\dirt quantities.dgn  
 blue areas are stone excavation that is outside of the excavation surface

<b>Mode:</b> Selected Shapes	
<b>Input Grid Factor:</b>	1.000000
<b>Original Surface: 975519_map_sur_ao_South</b>	
Description:	Created from Terrain Model
Preference:	Default
Type:	Existing
<b>Design Surface: Loft End BOT Stone</b>	
Description:	
Preference:	Default
Type:	Existing
<b>Cut Factor:</b>	1.000
<b>Fill Factor:</b>	1.000
Cut:	5619.963 cu ft
Fill:	0.000 cu ft
Net:	5619.963 cu ft
<b>Cut:</b>	<b>208.147 cu yd</b>
Fill:	0.000 cu yd
Net:	208.147 cu yd

<b>Original Surface: 975519_map_sur_ao_South</b>	
Description:	Created from Terrain Model
Preference:	Default
Type:	Existing
<b>Design Surface: Loft Begin BOT Stone</b>	
Description:	
Preference:	Default
Type:	Existing
<b>Cut Factor:</b>	1.000
<b>Fill Factor:</b>	1.000
Cut:	3984.512 cu ft
Fill:	0.000 cu ft
Net:	3984.512 cu ft
<b>Cut:</b>	<b>147.575 cu yd</b>
Fill:	0.000 cu yd
Net:	147.575 cu yd

**Mode:** Entire Surface  
**Input Grid Factor:** 1.000000

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**Original Surface:** 975519\_map\_sur\_ao\_South  
 Description: Created from Terrain Model  
 Preference: Default  
 Type: Existing

**Design Surface:** Excavation Begin Abut  
 Description:  
 Preference: Default  
 Type: Existing

**Cut Factor:** 1.000  
**Fill Factor:** 1.000

Cut: 15016.689 cu ft  
 Fill: 0.042 cu ft  
 Net: 15016.647 cu ft

Cut: 556.174 cu yd  
 Fill: 0.002 cu yd  
 Net: 556.172 cu yd

**Original Surface:** 975519\_map\_sur\_ao\_South  
 Description: Created from Terrain Model  
 Preference: Default  
 Type: Existing

**Design Surface:** Excavation End Abut  
 Description:  
 Preference: Default  
 Type: Existing

**Cut Factor:** 1.000  
**Fill Factor:** 1.000

Cut: 9556.247 cu ft  
 Fill: 0.000 cu ft  
 Net: 9556.246 cu ft

Cut: 353.935 cu yd  
 Fill: 0.000 cu yd  
 Net: 353.935 cu yd

**Mode:** Selected Shapes  
**Input Grid Factor:** 1.000000

---

**Original Surface:** 975519\_map\_sur\_ao\_South  
 Description: Created from Terrain Model  
 Preference: Default  
 Type: Existing

**Design Surface:** Loft Begin BOT Stone  
 Description:  
 Preference: Default  
 Type: Existing

**Cut Factor:** 1.000  
**Fill Factor:** 1.000

Cut: 201.836 cu ft  
 Fill: 0.000 cu ft  
 Net: 201.836 cu ft

Cut: 7.475 cu yd  
 Fill: 0.000 cu yd  
 Net: 7.475 cu yd

**Original Surface:** 975519\_map\_sur\_ao\_South  
 Description: Created from Terrain Model  
 Preference: Default  
 Type: Existing

**Design Surface:** Loft Begin BOT Stone  
 Description:  
 Preference: Default  
 Type: Existing

**Cut Factor:** 1.000  
**Fill Factor:** 1.000

Cut: 813.086 cu ft  
 Fill: 0.000 cu ft  
 Net: 813.086 cu ft

Cut: 30.114 cu yd  
 Fill: 0.000 cu yd  
 Net: 30.114 cu yd



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JOB: PROJECT NAME: Loft Road over Schenevus Creek Bridge  
 PIN NUMBER: 9755.19

SHEET: OF  
 CALC. BY: RSG DATE: 11/15/24  
 CHECKED BY: LAS DATE: 12/5/24  
 ITEM NUMBER: 206.0201 - 1

**ITEM 206.0201 (CY)**  
**TRENCH AND CULVERT EXCAVATION**

**\*\*NEED TO ADD DRY HYDRANT QUANTITIES**

LAS has reviewed and updated stone fill below already.

PIPES - SYSTEM A-1							
PIPE DESCRIPTION	INSIDE DIAMETER (FT)	OUTSIDE DIAMETER (FT)	EXISTING PIPE AREA (SF)	TRENCH WIDTH (FT)	AVG. TRENCH DEPTH (FT)	PIPE LENGTH* (FT)	VOLUME (CY)
			0.00	0.00			42.00
			0.00	0.00			0.00
			0.00	0.00			0.00
			0.00	0.00			0.00
			0.00	0.00			0.00
			0.00	0.00			0.00
			0.00	0.00			0.00
			0.00	0.00			0.00
			0.00	0.00			0.00
			0.00	0.00			0.00
			0.00	0.00			0.00
			0.00	0.00			0.00
			0.00	0.00			0.00
<b>PIPES SUBTOTAL A-1:</b>							<b>42.00</b>

see M:\18825.00 Loft Road  
 Bridge\Draw\Drawings\Working\Estimate CADD\dry hydrant trench  
 and culvert.dgn for work up

\* MINUS 4' (2' AT EACH END IS PAID FOR UNDER STRUCTURE EXCAVATION)

PIPE SUBTOTAL:	42
STRUCTURES SUBTOTAL:	158
<b>TOTAL:</b>	<b>200</b>

	Area (SF)	Volume
Begin	542	4 2168 (omit area at existing abutment)
End	418	5 2090 (increase depth since existing ground is on average 5 ft deep)
Total		157.7037

PREPARED BY: RSG  
 CHECKED BY: LAS  
 COMP DATE: 5-Dec  
[Estimate Summary](#)



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JOB: **104**  
**25**

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SHEET: OF

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CALC. BY: RSG DATE: 10/11/24

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CHECKED BY: LAS DATE: 12/3/24

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ITEM NUMBER: 207.26 - 1

PREFABRICATED COMPOSITE STRUCTURAL DRAIN

ITEM 207.2X (SY)					
GEO (SELECT TYPE)					
FROM STATION	TO STATION	SIDE	FACTOR SF/FT	AREA (SF)	AREA (SY)
TOTAL:					103.85

Added for unanticipated field conditions:	
SAY:	104

207.20  
 207.21  
 207.22  
 207.23  
 207.24  
 207.25

PREPARED BY: RSG  
 CHECKED BY: LAS  
 COMP DATE: 3-Dec

[Estimate Summary](#)

**Begin Abutment**

Description	Length	EL. Top_1	EL. Top_2	EL. Bot	Depth	Area (SF)	Comments
Stem	20.025	1190.00	N/A	1188.80	1.20	24.03	ignored small step, used highest
Backwall	22.025	1198.08	1197.08	1190.00	7.75	170.62	
LT WW	17.675	1198.82	1199.01	1185.00	12.88	227.71	subtracted 1ft below grade
RT WW	9.72	1198.13	1198.12	1185.00	12.13	117.87	(RT looking @ Abut, Length along inside curve) subtracted 1ft below grade
Total						540.23	

1 ft below weephole  
 top to step

**End Abutment**

Description	Length	EL. Top_1	EL. Top_2	EL. Bot	Depth	Area (SF)	Comments
Backwall - Center	25.16666667	1198.56	1197.56	1191.50	7.06	177.68	do not need a separate stem since no steps
Backwall - LT Side	1.626	1198.54	N/A	1188.50	9.04	14.70	subtracted 1ft below grade
Backwall - RT Side	1.167	1199.56	N/A	1188.50	10.06	11.74	subtracted 1ft below grade
LT WW	10.48	1198.54	1198.67	1188.50	9.08	95.19	subtracted 1ft below grade
RT WW	11.75	1199.56	1193.67	1188.50	8.10	95.14	subtracted 1ft below grade
Total						394.44	



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JOB: **PROJECT NAME: Loft Road over Schenevus Creek Bridge**  
**PIN NUMBER: 9755.19**

SHEET:	OF		
CALC. BY:	MRV	DATE:	11-8-24
CHECKED BY:	LAS	DATE:	2/26/26
ITEM NUMBER:	209.1003 - 1		

ITEM 209.1003 (SY)							
SEED AND MULCH TEMPORARY							
FROM STATION	TO STATION	OFFSET	SIDE	LENGTH (FT)	WIDTH (FT)	AREA (SF)	AREA (SY)
USE SAME SY AS TURF ESTABLISHMENT							2059.97
				0		0	0.00
				0		0	0.00
				0		0	0.00
				0		0	0.00
<b>TOTAL:</b>							<b>2059.97</b>

unit price from estimator

Added for unanticipated field conditions:	
<b>SAY:</b>	<b>2,060</b>

[STANDARD SHEETS FOR 209](#)

PREPARED BY: MRV  
 CHECKED BY: LAS  
 COMP DATE: 26-Feb

[Estimate Summary](#)



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**PIN NUMBER: 9755.19**

SHEET: OF  
CALC. BY: LAS DATE: 9/24/24  
CHECKED BY: rsg DATE: 4/21/26  
ITEM NUMBER: 209.1311 - 1

<u>ITEM NO.</u>	<u>DESCRIPTION</u>	<u>UNITS</u>
<b>209.1311</b>	<b>Sediment Filter Log - Temporary, 12", Type A</b>	<b>LF</b>
	SEE EROSION TABLE MST-1	<b>325</b>
Begin	20 ft	
End	7 ft	
	107 ft	QTY <b>325</b>
	40 ft	
	48 ft	ROUNDING <b>16</b>
	96 ft	
	11 ft	TOTAL <b>350</b>

M:\18825.00 Loft Road Bridge\Draw\Drawings\References\[975519\_Plan Tables.xlsx]erosion table!\$F\$16



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JOB: **PROJECT NAME: Loft Road over Schenevus Creek Bridge**  
**PIN NUMBER: 9755.19**

SHEET:	OF		
CALC. BY:	LAS	DATE:	9/24/2
CHECKED BY:	RSG	DATE:	12/5/2
ITEM NUMBER:	209.1501 - 1		

<u>ITEM NO.</u>	<u>DESCRIPTION</u>	<u>UNITS</u>
<b>209.1501</b>	<b>TURBIDITY CURTAIN - TEMPORARY</b>	<b>LF</b>
	SEE EROSION TABLE - MST-1	
Begin	194	QTY <b>306</b>
End	111	
		ROUNDING <b>0</b>
Total	305	TOTAL <b>310</b>



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**PIN NUMBER: 9755.19**

SHEET: OF  
 CALC. BY: MRV DATE: 11-8-24  
 CHECKED BY: LAS DATE: 12/3/24  
 ITEM NUMBER: 209.190301 - 1

**ROLLED EROSION CONTROL PRODUCT, CLASS II TYPE C, INTERMEDIATE**

ITEM 209.190XXX (SY)					
ROLLED EROSION CONTROL PRODUCT, CLASS II TYPE X, INTERMEDIATE					
FROM STATION	TO STATION	DITCH LENGTH (FT)	AVG. WIDTH (FT)	AREA (SF)	AREA (SY)
USE SAME SY AS TURF ESTABLISHMENT					2,059.97
<b>TOTAL:</b>					<b>2,059.97</b>

ditch included

unit price from vestal

Added for unanticipated field conditions:	
<b>SAY:</b>	<b>#####</b>

[STANDARD SHEETS FOR 209](#)

PREPARED BY: MRV  
 CHECKED BY: LAS  
 COMP DATE: 3-Dec

[Estimate Summary](#)



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**PIN NUMBER: 9755.19**

SHEET:	OF		
CALC. BY:	MRV	DATE:	11-12-24
CHECKED BY:	rsg	DATE:	2/26/26
ITEM NUMBER:	209.22 - 1		

ITEM 209.22 (SY)						
CONSTRUCTION ENTRANCE						
FROM STATION	TO STATION	SIDE	LENGTH (FT)	WIDTH (FT)	AREA (SF)	AREA (SY)
stream access	6+00				3,245.00	360.56
I 88 access					3,525.00	391.67
<b>TOTAL:</b>						<b>752.22</b>

Added for unanticipated field conditions:	
<b>SAY:</b>	<b>753</b>

[STANDARD SHEETS FOR 209](#)

PREPARED BY: MRV

CHECKED BY: rsg

COMP DATE: 26-Feb

[Estimate Summary](#)

unit price from estimator

3245 sf from wztc dgn  
 3525





49 COURT STREET  
BINGHAMTON, NEW YORK 13902  
PHONE (607) 723-9421  
FAX (607) 723-4979  
www.mjinc.com

JOB: **PROJECT NAME: Loft Road over Schenevus Creek Bridge**  
**PIN NUMBER: 9755.19**

SHEET:	OF		
CALC. BY:	RSG	DATE:	10/11/24
CHECKED BY:	MRV	DATE:	6/24/25
ITEM NUMBER:	404.0983 - 1		

ITEM NO.	DESCRIPTION	UNITS
404.0983	9.5 F3 Top Course Asphalt, 80 Series Compaction	TON

ADD 2'0" WIDTH LENGTH OF GUIDERAIL (TOP AND BINDER)

DESCRIPTION	FROM STATION	TO STATION	LENGTH (FT)	WIDTH (FT)	DEPTH (FT)	VOLUME (CY)	SF (FOR 407.0102)
Begin Full RT/LT NO GR BACKUP	3+00.00	3+45.00	45.00	22	0.125	4.58	990
LT GR BACKUP	3+00.00	3+45.00	45.00	2	0.125	0.42	90
End Full NO GR BACKUP	3+45.00	3+65.75	20.75	22	0.125	2.11	456.5
End Full NO GR BACKUP	4+94.37	6+00.00	105.63	22	0.125	10.76	2323.86
LT GR BACKUP	5+14.10	6+00.00	85.90	2	0.125	0.80	171.8
RT GR BACKUP	4+95.50	6+00.00	104.50	2	0.125	0.97	209
End Mill & Fill	6+00.00	6+50.00	50.00	22	0.125	5.09	1100
							5341.16

QTY	53
ROUNDING	0
TOTAL	53

subtotal 24.73 CY  
0.4938  
Total 50.07613 Tons  
Say 53 (5% cont)







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JOB: PROJECT NAME: Loft Road over Schenevus Creek Bridge  
PIN NUMBER: 9755.19

SHEET: OF  
CALC. BY: MRV DATE: 11-7-24  
CHECKED BY: RSG DATE: 6/24/25  
ITEM NUMBER: 407.0102 - 1

**DILUTED TACK COAT**

ITEM 407.010X (GAL)							
TACK COAT [DILUTED OR STRAIGHT]							
FROM STATION	TO STATION	LENGTH (FT)	WIDTH (FT)	AREA (SY)	# OF LAYERS	RATE	GALS
		0.00		593.46	2.00	0.06	71.22
		0.00		0.00			0.00
		0.00		0.00			0.00
		0.00		0.00			0.00
		0.00		0.00			0.00
		0.00		0.00			0.00
		0.00		0.00			0.00
		0.00		0.00			0.00
		0.00		0.00			0.00
		0.00		0.00			0.00
		0.00		0.00			0.00
		0.00		0.00			0.00
		0.00		0.00			0.00
		0.00		0.00			0.00
		0.00		0.00			0.00
		0.00		0.00			0.00
		0.00		0.00			0.00
		0.00		0.00			0.00
		0.00		0.00			0.00
		0.00		0.00			0.00
		0.00		0.00			0.00
		0.00		0.00			0.00
		0.00		0.00			0.00
		0.00		0.00			0.00
		0.00		0.00			0.00
		0.00		0.00			0.00
<b>TOTAL:</b>							<b>71.22</b>
Added for unanticipated field conditions:							
<b>SAY:</b>							<b>72</b>

unit price from vestal

SF FROM TOP COURSE PAVEMENT  
5341.16

Surface Type	Application Rate (gal/sy)	
	Diluted Tack Coat	Straight Tack Coat
New Hot Mix Asphalt	0.05 - 0.06	0.03 - 0.04
Milled Surfaces and Existing HMA	0.08 - 0.10	0.05 - 0.06
Portland Cement Concrete	0.08 - 0.10	0.05 - 0.06
Vertical Surfaces (curbs, drainage structures, and appurtenances)	0.09 - 0.11	0.06 - 0.07

PREPARED BY: MRV  
CHECKED BY: RSG  
COMP DATE: 24-Jun

[Estimate Summary](#)



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JOB: **PROJECT NAME: Loft Road over Schenevus Creek Bridge**  
**PIN NUMBER: 9755.19**

SHEET: OF  
 CALC. BY: MRV DATE: 10-29-24  
 CHECKED BY: LAS DATE: 12/3/24  
 ITEM NUMBER: 418.7603 - 1

<u>ITEM NO.</u>	<u>DESCRIPTION</u>	<u>UNITS</u>												
<b>418.7603</b>	<b>ASPHALT PAVEMENT JOINT ADHESIVE</b>	<b>LF</b>												
	CL FOR TOP COURSE ONLY													
	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 100px;">3+00.00</td> <td style="width: 100px;">3+43.00</td> <td style="width: 100px;">43.00</td> </tr> <tr> <td>3+43.00</td> <td>3+65.75</td> <td>22.75</td> </tr> <tr> <td>4+94.37</td> <td>6+00.00</td> <td>105.63</td> </tr> <tr> <td>6+00.00</td> <td>6+50.00</td> <td>50.00</td> </tr> </table>	3+00.00	3+43.00	43.00	3+43.00	3+65.75	22.75	4+94.37	6+00.00	105.63	6+00.00	6+50.00	50.00	
3+00.00	3+43.00	43.00												
3+43.00	3+65.75	22.75												
4+94.37	6+00.00	105.63												
6+00.00	6+50.00	50.00												
	<i>add sawcut ends</i>	<b>50</b>												
	TOTAL	221.38												
		QTY <b>221</b>												
		ROUNDING <b>0</b>												
		TOTAL <b>222</b>												





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JOB: **PROJECT NAME: Loft Road over Schenevus Creek Bridge**  
**PIN NUMBER: 9755.19**

SHEET:	OF		
CALC. BY:	LAS	DATE:	10/09/2
CHECKED BY:	rsg	DATE:	12/5/2
ITEM NUMBER:	551.30 - 1		

<u>ITEM NO.</u>	<u>DESCRIPTION</u>	<u>UNITS</u>
<b>551.30</b>	<b>Micropiles (Contractor Designed)</b>	<b>EACH</b>
	Begin Abut	18 EA
	End Abut	15 EA
	Begin Temp Wall	11 EA
	End Temp Wall	7 EA
		QTY
		<b>51</b>
		ROUNDING
		<b>0</b>
		TOTAL
		<b>51</b>



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JOB: **PROJECT NAME: Loft Road over Schenevus Creek Bridge**  
**PIN NUMBER: 9755.19**

SHEET:	OF		
CALC. BY:	RSG	DATE:	11/15/24
CHECKED BY:	LAS	DATE:	12/3/24
ITEM NUMBER:	551.33 - 1		

<u>ITEM NO.</u>	<u>DESCRIPTION</u>	<u>UNITS</u>
<b>551.33</b>	<b>Permanent Casing for Micropiles</b>	<b>LF</b>

Location	# Piles	Top EL	Rock EL	Total Length	QTY	2045
Begin Abutment	18	1183.5	1162	387		
End Abutment	15	1187	1131.5	832.5	ROUNDING	0
Begin Temp Wall	11	1196	1162	374 (est.)		
End Temp Wall	7	1196	1131.5	451.5	TOTAL	2045
			Total	2045		



# McFarland Johnson

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JOB: **PROJECT NAME: Loft Road over Schenevus Creek Bridge**  
**PIN NUMBER: 9755.19**

SHEET:	OF		
CALC. BY:	LAS	DATE:	9/24/24
CHECKED BY:	rsg	DATE:	12/5/24
ITEM NUMBER:	551.34 - 1		

<u>ITEM NO.</u>	<u>DESCRIPTION</u>	<u>UNITS</u>
551.34	Furnishing Equipment for Installing Micropiles	LS

QTY	
ROUNDING	0
TOTAL	75000



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JOB: **PROJECT NAME: Loft Road over Schenevus Creek Bridge**  
**PIN NUMBER: 9755.19**

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SHEET: OF  
CALC. BY: LAS DATE: 9/24/24  
CHECKED BY: RSG DATE: 3/2/26  
ITEM NUMBER: 551.35 - 1

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<u>ITEM NO.</u>	<u>DESCRIPTION</u>	<u>UNITS</u>
551.35	Static Pile Compressive Load Test	EACH

Email from geotech on 3/2/26 states one test per substructure. Another one not required for temp walls

QTY	2
ROUNDING	0
TOTAL	2



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JOB: PROJECT NAME: Loft Road over Schenevus Creek Bridge  
 PIN NUMBER: 9755.19  
 SHEET: OF  
 CALC. BY: LAS DATE: 12/5/24  
 CHECKED BY: RSG DATE: 12/5/24  
 ITEM NUMBER: 552.17 - 1

**ITEM 552.17 (SF)  
 SHIELDS AND SHORING**

PIPES - SYSTEM A-1									
PIPE #	INLET INVERT	INLET TG	INLET PIPE DEPTH (FT)	OUTLET INVERT	OUTLET TG	OUTLET PIPE DEPTH (FT)	AVERAGE DEPTH (FT)	LENGTH (FT)	AREA (SF)
			0.00			0.00	0.00		1120
			0.00			0.00	0.00		0
			0.00			0.00	0.00		0
			0.00			0.00	0.00		0
			0.00			0.00	0.00		0
			0.00			0.00	0.00		0
			0.00			0.00	0.00		0
			0.00			0.00	0.00		0
			0.00			0.00	0.00		0
<b>A-1 SUBTOTAL (SF):</b>									<b>1120</b>

PIPES - SYSTEM A-2									
PIPE #	INLET INVERT	INLET TG	INLET PIPE DEPTH (FT)	OUTLET INVERT	OUTLET TG	OUTLET PIPE DEPTH (FT)	AVERAGE DEPTH (FT)	LENGTH (FT)	AREA (SF)
			0.00			0.00	0.00		0
			0.00			0.00	0.00		0
			0.00			0.00	0.00		0
			0.00			0.00	0.00		0
			0.00			0.00	0.00		0
			0.00			0.00	0.00		0
			0.00			0.00	0.00		0
<b>A-2 SUBTOTAL (SF):</b>									<b>0</b>

PIPES - SYSTEM B-1									
PIPE #	INLET INVERT	INLET TG	INLET PIPE DEPTH (FT)	OUTLET INVERT	OUTLET TG	OUTLET PIPE DEPTH (FT)	AVERAGE DEPTH (FT)	LENGTH (FT)	AREA (SF)
			0.00			0.00	0.00		0
			0.00			0.00	0.00		0
			0.00			0.00	0.00		0
			0.00			0.00	0.00		0
			0.00			0.00	0.00		0
			0.00			0.00	0.00		0
			0.00			0.00	0.00		0
<b>B-1 SUBTOTAL (SF):</b>									<b>0</b>

PIPES - SYSTEM B-2									
PIPE #	INLET INVERT	INLET TG	INLET PIPE DEPTH (FT)	OUTLET INVERT	OUTLET TG	OUTLET PIPE DEPTH (FT)	AVERAGE DEPTH (FT)	LENGTH (FT)	AREA (SF)
			0.00			0.00	0.00		0
			0.00			0.00	0.00		0
			0.00			0.00	0.00		0
			0.00			0.00	0.00		0
			0.00			0.00	0.00		0
			0.00			0.00	0.00		0
			0.00			0.00	0.00		0
<b>B-2 SUBTOTAL (SF):</b>									<b>0</b>
<b>PIPE SUBTOTAL (SF):</b>									<b>1120</b>

NOTE: AREAS ARE TAKEN FROM STANDARD SHEETS 203-4 AND 604-2.

<b>PIPES AND STRUCTURES TOTALS:</b>	<b>1120</b>
Added for unanticipated field conditions:	
<b>SAY:</b>	<b>1,120</b>

PREPARED BY: LAS  
 CHECKED BY: RSG  
 COMP DATE: 45631.00

[Estimate Summary](#)

see M:18825.00 Loft Road  
 Bridge\Draw\Drawings\Working\Estimate  
 CADD\dry hydrant trench and culvert.dgn for  
 work up



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JOB: PROJECT NAME: Loft Road over Schenevus Creek Bridge  
 PIN NUMBER: 9755.19

SHEET: OF  
 CALC. BY: RSG DATE: 10/17/24  
 CHECKED BY: LAS DATE: 12/3/24  
 ITEM NUMBER: 552.230201 - 1

UNTREATED WOOD LAGGING FOR SOLDIER PILE AND LAGGING WALL

ITEM 552.23020X (SF)							
UNTREATED WOOD LAGGING FOR SOLDIER PILE AND LAGGING WALL (SERIALIZED)							
PLAN SHEET	FROM STATION	TO STATION	OFFSET	SIDE	HEIGHT (LF)	LENGTH (LF)	AREA (SF)
						0.00	0.00
						0.00	0.00
						0.00	0.00
						0.00	0.00
						0.00	0.00
						0.00	0.00
						0.00	0.00
<b>TOTAL:</b>							<b>662.00</b>

Added for unanticipated field conditions:	
<b>SAY:</b>	<b>662</b>

PREPARED RSG  
 CHECKED B LAS  
 COMP DATE 3-Dec

[Estimate Summary](#)

Fully Excavated Area  
 Length 20.6 ft  
 Height 14 ft  
 Total 288.4 SF

Cut Section in Cadd  
 A = 662 SF

1.5:1 Area  
 Length 42  
 Max Height 14  
 Total 294 SF



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JOB: **PROJECT NAME: Loft Road over Schenevus Creek Bridge**  
**PIN NUMBER: 9755.19**

SHEET: OF  
 CALC. BY: RSG DATE: 10/17/24  
 CHECKED BY: LAS DATE: 12/3/24  
 ITEM NUMBER: 552.230202 - 1

UNTREATED WOOD LAGGING FOR SOLDIER PILE AND LAGGING WALL

ITEM 552.23020X (SF)							
UNTREATED WOOD LAGGING FOR SOLDIER PILE AND LAGGING WALL (SERIALIZED)							
PLAN SHEET	FROM STATION	TO STATION	OFFSET	SIDE	HEIGHT (LF)	LENGTH (LF)	AREA (SF)
						0.00	0.00
						0.00	0.00
						0.00	0.00
						0.00	0.00
						0.00	0.00
						0.00	0.00
						0.00	0.00
						0.00	0.00
<b>TOTAL:</b>							<b>294.00</b>

Added for unanticipated field conditions:	
<b>SAY:</b>	<b>294</b>

PREPARED RSG  
 CHECKED B LAS  
 COMP DATE 3-Dec

[Estimate Summary](#)

Fully Excavated Area

Length 16.03125 ft  
 Height 10.5 ft  
 168.328

1.5:1 Area

Length 30  
 Max Height 10.5  
 Total 157.5 SF

Cut section in cadd  
 A = 294 SF



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JOB: PROJECT NAME: Loft Road over Schenevus Creek Bridge  
 PIN NUMBER: 9755.19

SHEET: OF  
 CALC. BY: LAS DATE: 9/24/24  
 CHECKED BY: RSG DATE: 12/5/24  
 ITEM NUMBER: 553.020001 - 1

**COFFERDAMS (TYPE 1)**

ITEM 553.0X00YY (EACH)					
COFFERDAMS (TYPE X)					
FROM STATION	TO STATION	DESCRIPTION	OFFSET	SIDE	QTY. (EA)
					1
<b>TOTAL:</b>					<b>1</b>
Added for unanticipated field conditions:					
<b>SAY:</b>					<b>1</b>

X = TYPE  
 YY = SERIALIZED

PREPARED BY: LAS  
 CHECKED BY: RSG  
 COMP DATE: 5-Dec

[Estimate Summary](#)



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JOB: PROJECT NAME: Loft Road over Schenevus Creek Bridge  
 PIN NUMBER: 9755.19

SHEET: OF  
 CALC. BY: LAS DATE: 9/24/24  
 CHECKED BY: RSG DATE: 12/5/24  
 ITEM NUMBER: 553.020002 - 1

**COFFERDAMS (TYPE 1)**

ITEM 553.0X00YY (EACH)					
COFFERDAMS (TYPE X)					
FROM STATION	TO STATION	DESCRIPTION	OFFSET	SIDE	QTY. (EA)
					1
<b>TOTAL:</b>					<b>1</b>
Added for unanticipated field conditions:					
<b>SAY:</b>					<b>1</b>

X = TYPE  
 YY = SERIALIZED

PREPARED BY: LAS  
 CHECKED BY: RSG  
 COMP DATE: 5-Dec

[Estimate Summary](#)



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JOB: **PROJECT NAME: Loft Road over Schenevus Creek Bridge**  
**PIN NUMBER: 9755.19**

SHEET:	OF		
CALC. BY:	LAS	DATE:	9/24/24
CHECKED BY:	RSG	DATE:	12/5/24
ITEM NUMBER:	554.42 - 1		

FILL TYPE RETAINING WALL (GREATER THAN 12FT. - 18FT.)

ITEM 554.4X (SF)				
FILL TYPE RETAINING WALL (X)				
PLAN SHEET	FROM STATION	TO STATION		AREA (SF)
MEASURED AREA IN CADD				481.00
			0.00	0.00
			0.00	0.00
<b>TOTAL:</b>				<b>481.00</b>

Added for unanticipated field conditions:	
<b>SAY:</b>	<b>481</b>

[STANDARD SHEETS FOR 554](#)

PREPARED LAS

CHECKED BY RSG

COMP DATE 5-Dec

[Estimate Summary](#)



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JOB: **PROJECT NAME: Loft Road over Schenevus Creek Bridge**  
**PIN NUMBER: 9755.19**

SHEET:	OF		
CALC. BY:	RSG	DATE:	12/5/24
CHECKED BY:	LAS	DATE:	12/6/24
ITEM NUMBER:	555.97010016 - 1		

ITEM NO.	DESCRIPTION	UNITS									
<b>555.97010016</b>	<b>CONCRETE FOR STRUCTURES (REINFORCEMENT INCLUDED AND NO BAR LIST IN PLANS)</b>	<b>CY</b>									
see cadd file: M:\18825.00 Loft Road Bridge\Draw\Drawings\Working\Estimate CADD\x_Quantities.dgn - look at the model "concrete views"											
Pour #	Cadd Area SF	H1	H2	H3	B El.	Height	Vol.	CY	Total for Pour		
2a (High Seat)	70.19	1193.32	1193.32		1185	8.32	583.9808	21.7			
2b (Low Seat)	47.43	1192.93	1192.93		1185	7.93	376.1199	14	35.7		
3a (LT flat)	1.5	1198.14			1192.91	5.23	7.845	0.3		QTY 116.50	
3b (center sloped)	37.54	1198.08	1197.58	1197.08	1193.32	4.26	159.9204	6			
3c (RT flat)	1.5	1199.02			1193.32	5.7	8.55	0.4		ROUNDING 0	
3d (small step)	14.98	1193.82			1192.91	0.91	13.6318	0.6	7.3		
4	25.69	1190			1185	5	128.45	4.8	4.8	TOTAL 116.5	
5	45.58	1190			1185	5	227.9	8.5	8.5		
6	15.15	1198.13	1198.12		1190	8.125	123.0938	4.6	4.6		
7	27.61	1198.82	1199.01		1190	8.915	246.1431	9.2	9.2		
8	summed from below								1.1	71.2	

Pour #	Cadd Area SF	H1	H2	H3	B El.	Height	Vol.	CY	Total for Pour	
2a (High Seat)	73.31	1193.71			1188.5	5.21	381.9451	14.2		
2b (Low Seat)	53.71	1193.31			1188.5	4.81	258.3451	9.6	23.8	
3a (LT flat)	4.21	1199			1193.31	5.69	23.9549	0.9		
3b (center sloped)	37.75	1197.56	1198.06	1198.56	1193.71	4.35	164.2125	6.1		
3c (RT flat)	1.5	1200			1193.71	6.29	9.435	0.4		
3d (step)	15.06	1193.71			1193.31	0.4	6.024	0.3	7.7	
4a (sloped)	17.6	1200	1193.67		1188.5	8.335	146.696	5.5		
4b (flat)	1.5	1200			1188.5	11.5	17.25	0.7	6.2	
5a (sloped)	15.7	1199	1197.67		1188.5	9.8	154.4095	5.8	3.25	
5b (flat)	1.5	1199			1188.5	10.5	15.75	0.6	6.4	
6	summed from below								1.11	45.3

**Begin Abutment**

Description	Length	Width	Area	EL. Top_1	EL. Top_2	EL. Bot	Depth	/olume (CF/olume (CY Comments
G1 Ped.	3	3	9.00	1193.41	N/A	1192.91	0.50	4.50 0.17
G2 Ped.	3	3	9.00	1193.61	N/A	1192.91	0.70	6.30 0.23
G3 Ped.	3	3	9.00	1193.82	N/A	1193.32	0.50	4.50 0.17
G4 Ped.	3	3	9.00	1194.02	N/A	1193.32	0.70	6.30 0.23
G5 Ped.	3	3	9.00	1194.22	N/A	1193.32	0.90	8.10 0.30

Pours	
#	QTY
8	1.10

**End Abutment**

Description	Length	Width	Area	EL. Top_1	EL. Top_2	EL. Bot	Depth	/olume (CF/olume (CY Comments
G1 Ped.	3	3	9.00	1193.81	N/A	1193.31	0.50	4.50 0.17
G2 Ped.	3	3	9.00	1194.01	N/A	1193.31	0.70	6.30 0.23
G3 Ped.	3	3	9.00	1194.21	N/A	1193.71	0.50	4.50 0.17
G4 Ped.	3	3	9.00	1194.42	N/A	1193.71	0.71	6.39 0.24
G5 Ped.	3	3	9.00	1194.62	N/A	1193.71	0.91	8.19 0.30

Pours	
#	QTY
6	1.2



# McFarland Johnson

49 COURT STREET  
 BINGHAMTON, NEW YORK 13902  
 PHONE (607) 723-9421  
 FAX (607) 723-4979  
 www.mjinc.com

JOB: **PROJECT NAME: Loft Road over Schenevus Creek Bridge**  
**PIN NUMBER: 9755.19**

SHEET:	OF		
CALC. BY:	RSG	DATE:	12/2/24
CHECKED BY:	LAS	DATE:	12/3/24
ITEM NUMBER:	555.97020016 - 1		

<u>ITEM NO.</u>	<u>DESCRIPTION</u>	<u>UNITS</u>
555.97020016	FOOTING CONCRETE (REINFORCEMENT INCLUDED AND NOBAR LIST IN P LANS)	CY

<u>Footing</u>						
	Area	Depth	Vol (CF)	Vol (CY)		
Begin	524.14	2.5	1310.35	48.6	QTY	96.5
End	516.93	2.5	1292.325	47.9		
			Total	96.5 CY	ROUNDING	0
					TOTAL	96.5



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**PIN NUMBER: 9755.19**

SHEET:	OF		
CALC. BY:	LAS	DATE:	12/3/24
CHECKED BY:	RSG	DATE:	12/5/24
ITEM NUMBER:	555.9901 - 1		

<u>ITEM NO.</u>	<u>DESCRIPTION</u>	<u>UNITS</u>
555.9901	Performance Concrete Quality Adjustment - Footing Concrete	QU

Initial Quantity of 1  
Per Materials Procedure 501-4, Section IX  
<https://www.dot.ny.gov/divisions/engineering/technical-services/materials-bureau/forms-manuals>  
Page 10/68

How to calculate in field:  
NYSDOT Spec Book:  
Section 501-5, Table 501-4 QAF Determination  
Section 501-5, Table 501-5 Quantity of Quality Units

QTY	1
ROUNDING	0
TOTAL	1



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JOB: **PROJECT NAME: Loft Road over Schenevus Creek Bridge**  
**PIN NUMBER: 9755.19**

SHEET:	OF		
CALC. BY:	LAS	DATE:	12/3/24
CHECKED BY:	RSG	DATE:	12/5/24
ITEM NUMBER:	555.9902 - 1		

<u>ITEM NO.</u>	<u>DESCRIPTION</u>	<u>UNITS</u>
555.9902	Performance Concrete Quality Adjustment - Concrete for Structures	QU

Initial Quantity of 1  
Per Materials Procedure 501-4, Section IX  
<https://www.dot.ny.gov/divisions/engineering/technical-services/materials-bureau/forms-manuals>  
Page 10/68

How to calculate in field:  
NYSDOT Spec Book:  
Section 501-5, Table 501-4 QAF Determination  
Section 501-5, Table 501-5 Quantity of Quality Units

QTY	1
ROUNDING	0
TOTAL	1



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JOB: **PROJECT NAME: Loft Road over Schenevus Creek Bridge**  
**PIN NUMBER: 9755.19**

SHEET:	OF		
CALC. BY:	LAS	DATE:	12/3/24
CHECKED BY:	RSG	DATE:	12/5/24
ITEM NUMBER:	556.03 - 1		

<u>ITEM NO.</u>	<u>DESCRIPTION</u>	<u>UNITS</u>
556.03	STUD SHEAR CONNECTORS FOR BRIDGES	EACH
		QTY 140
		ROUNDING 0
		TOTAL 140



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JOB: **PROJECT NAME: Loft Road over Schenevus Creek Bridge**  
**PIN NUMBER: 9755.19**

SHEET:	OF		
CALC. BY:	LAS	DATE:	9/24/24
CHECKED BY:	RSG	DATE:	2/26/26
ITEM NUMBER:	557.1013 - 1		

<u>ITEM NO.</u>	<u>DESCRIPTION</u>	<u>UNITS</u>
<b>557.1013</b>	<b>Structural Approach Slab with Integral Wearing Surface Typ e 3 Friction</b>	<b>SY</b>
	CADD (SF)	SY
Begin	346.2	38.5
End (Slab)	355.53	39.6
End (sleeper)	138.19	15.4
	Total	93.5
		QTY 93.5
		ROUNDING 0
		TOTAL 93.5



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JOB: **PROJECT NAME: Loft Road over Schenevus Creek Bridge**  
**PIN NUMBER: 9755.19**

SHEET:	OF		
CALC. BY:	LAS	DATE:	9/24/24
CHECKED BY:	RSG	DATE:	12/5/24
ITEM NUMBER:	557.1113 - 1		

<u>ITEM NO.</u>	<u>DESCRIPTION</u>	<u>UNITS</u>
<b>557.1113</b>	<b>Superstructure Slab with Integral Wearing Surface Bottom Formwork Required - Type 3 Friction</b>	<b>SY</b>
Superstructure Slab	2418.6 Sq Ft (measured in cadd) 268.7333333 SY	
		<b>QTY 268.73</b>
Check	96.53 25 2413.25	<b>ROUNDING 0</b>
		<b>TOTAL 268.8</b>



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JOB: **PROJECT NAME: Loft Road over Schenevus Creek Bridge**  
**PIN NUMBER: 9755.19**

SHEET:	OF		
CALC. BY:	LAS	DATE:	12/3/24
CHECKED BY:	RSG	DATE:	12/5/24
ITEM NUMBER:	557.29 - 1		

<u>ITEM NO.</u>	<u>DESCRIPTION</u>	<u>UNITS</u>
<b>557.29</b>	<b>WINTER SURFACE TREATMENT - SUPERSTRUCTURE SLABS AND STRUCTURAL APPROACH SLABS</b>	<b>SY</b>
	Superstructure Slab      268.8	
	Approach Slab              93.5	
		QTY <b>362.3</b>
		ROUNDING <b>0</b>
		TOTAL <b>362.3</b>



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JOB: **PROJECT NAME: Loft Road over Schenevus Creek Bridge**  
**PIN NUMBER: 9755.19**

SHEET:	OF		
CALC. BY:	LAS	DATE:	12/3/24
CHECKED BY:	RSG	DATE:	12/5/24
ITEM NUMBER:	557.9901 - 1		

<u>ITEM NO.</u>	<u>DESCRIPTION</u>	<u>UNITS</u>	<u>QU</u>
557.9901	Performance Concrete Quality Adjustment - Superstructure and Approach Slab		
	Initial Quantity of 1 Per Materials Procedure 501-4, Section IX <a href="https://www.dot.ny.gov/divisions/engineering/technical-services/materials-bureau/forms-manuals">https://www.dot.ny.gov/divisions/engineering/technical-services/materials-bureau/forms-manuals</a> Page 10/68	QTY	1
	How to calculate in field: NYSDOT Spec Book: Section 501-5, Table 501-4 QAF Determination Section 501-5, Table 501-5 Quantity of Quality Units	ROUNDING	0
		TOTAL	1



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JOB: **PROJECT NAME: Loft Road over Schenevus Creek Bridge**  
**PIN NUMBER: 9755.19**

SHEET:	OF		
CALC. BY:	LAS	DATE:	9/24/24
CHECKED BY:	RSG	DATE:	12/9/24
ITEM NUMBER:	558.02 - 1		

<u>ITEM NO.</u>	<u>DESCRIPTION</u>	<u>UNITS</u>																		
<b>558.02</b>	<b>LONGITUDINAL SAWCUT GROOVING OF STRUCTURAL SLAB SURFACE</b>	<b>SY</b>																		
<table border="1"> <tr> <td>Start Sta.</td> <td>365.75</td> <td></td> </tr> <tr> <td>End Sta.</td> <td>496.42</td> <td></td> </tr> <tr> <td>Length</td> <td>130.67 ft</td> <td></td> </tr> <tr> <td>Width between barrier</td> <td>22 ft</td> <td></td> </tr> <tr> <td></td> <td>2874.74 SF</td> <td></td> </tr> <tr> <td></td> <td>319.4155556 SY</td> <td></td> </tr> </table>			Start Sta.	365.75		End Sta.	496.42		Length	130.67 ft		Width between barrier	22 ft			2874.74 SF			319.4155556 SY	
Start Sta.	365.75																			
End Sta.	496.42																			
Length	130.67 ft																			
Width between barrier	22 ft																			
	2874.74 SF																			
	319.4155556 SY																			
		QTY <b>319.4</b>																		
		ROUNDING <b>0.0</b>																		
		TOTAL <b>319.5</b>																		

	Start	End	Length (ft)	Width (ft)	Area (SY)
Begin Approach Slab	365.75	381.75	16	22	39.20
Deck	381.75	478.25	96.5	22	235.90
End Approach	478.25	494.29	16.04	22	39.30
Sleeper Slab	N/A	N/A	2	22	4.90
			<b>Total</b>		<b>319.30</b>



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JOB: **PROJECT NAME: Loft Road over Schenevus Creek Bridge**  
**PIN NUMBER: 9755.19**

SHEET:	OF		
CALC. BY:	RSG	DATE:	12/5/24
CHECKED BY:	LAS	DATE:	12/3/24
ITEM NUMBER:	559.01 - 1		

<u>ITEM NO.</u>	<u>DESCRIPTION</u>	<u>UNITS</u>
<b>559.01</b>	<b>Protective Sealing of Structural Concrete on New Bridge, Decks and Bridge Deck Overlays</b>	<b>SF</b>
	Deck	
		QTY <b>4821</b>
		ROUNDING <b>0</b>
		TOTAL <b>4821</b>
	Travel Way 22 ft	
	Barrier Height 3.5 ft	
	Barrier thickness 0.833333333 ft	
	Est. Overhang Thickness 1.166666667 ft	
	Groove Det. Offset 0.625 ft	
	Total Length 41.25 ft	
	Deck Length 96.5 ft	
	Area 3980.7 SF	
	Begin 346.2 Sq Ft (measured in cadd)	
	End (Slab) 355.53 Sq Ft (measured in cadd)	
	Sleeper 138.19 SF	



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JOB: PROJECT NAME: Loft Road over Schenevus Creek Bridge  
 PIN NUMBER: 9755.19

SHEET:	OF		
CALC. BY:	RSG	DATE:	6/30/25
CHECKED BY:	LAS	DATE:	7/1/25
ITEM NUMBER:	559.02 - 1		

ITEM NO.	DESCRIPTION	UNITS
559.02	Protective Sealing of New Structural Concrete	SF
		QTY 892
		ROUNDING 0
		TOTAL 893

**Begin Abutment**

Description	Length	EL_Top_1	EL_Top_2	EL_Bot/Grade	Depth	Width	Area (SF)	Comments
Stem	25.02083333	1193.32	N/A	1189.00	4.32	N/A	108.09	ignored small step, used highest
Backwall - FF	25.02083333	1198.08	1197.08	1193.32	4.26	N/A	106.59	Includes face of peds
Bridge Seat - Top	25.02333333	N/A	N/A	N/A	N/A	3.00	75.07	(includes top of peds)
RT WW - FF	18.675	1198.82	1199.01	1191.00	7.91	N/A	73.91	(RT looking @ Abut, Length along curve)
RT WW - BF	18.675	N/A	N/A	N/A	1.00	N/A		do not need back face with barrier on top and appra
RT WW - Top	18.675	N/A	N/A	N/A	N/A	1.50		do not need to do top since barrier on top
RT WW - End	1.5	N/A	N/A	N/A	1.00	N/A		do not need end here since we're butting up against r
RT Side Stem	3	1193.32		1188.00	5.32		15.96	
RT Side Backwall	2.5	1199.01		1193.32	5.69		14.23	
LT WW - FF	10.72	1198.12	1198.13	1192.00	6.13	N/A	32.83	(RT looking @ Abut, Length along inside curve)
LT WW - BF	10.72	N/A	N/A	N/A	1.00	N/A		do not need back face with barrier on top and appra
LT WW - Top	10.72	N/A	N/A	N/A	N/A	1.50		do not need to do top since barrier on top
LT WW - End	1.5	N/A	N/A	N/A	1.00	N/A		do not need end here since we're butting up against r
LT Side Stem	3	1192.91		1189.50	3.41		10.23	
LT Side Backwall	2.5	1198.14		1192.91	5.23		13.08	
G1 Ped.	3	1193.41	N/A	1192.91	0.50	N/A	3.00	(x2 for sides)
G2 Ped.	3	1193.61	N/A	1192.91	0.70	N/A	4.20	(x2 for sides)
G3 Ped.	3	1193.82	N/A	1193.32	0.50	N/A	3.00	(x2 for sides)
G4 Ped.	3	1194.02	N/A	1193.32	0.70	N/A	4.20	(x2 for sides)
G5 Ped.	3	1194.22	N/A	1193.32	0.90	N/A	5.40	(x2 for sides)
Total							469.78	

**End Abutment**

Description	Length	EL_Top_1	EL_Top_2	EL_Bot/Grade	Depth	Width	Area (SF)	Comments
Stem	27.45833333	1193.71	N/A	1192.00	1.71	N/A	46.95	ignored small step, used highest
Backwall - Center	25.16666667	1198.56	1197.56	1193.71	4.35	N/A	109.47	Includes face of peds.
Backwall - LT Side	1.8125	1199.00	N/A	1193.31	5.69	N/A	10.31	Includes face of peds.
Backwall - RT Side	1.167	1200.00	N/A	1193.71	6.29	N/A	7.34	Includes face of peds.
Bridge Seat	27.45833333	N/A	N/A	N/A	N/A	3.00	82.38	(includes top of peds)
LT WW - FF	11.47916667	1199	1197.67	1194.00	4.34	N/A	24.88	
LT WW - BF	13.10416667	N/A	N/A	N/A	1.00	N/A	13.10	
LT WW - Top	13.67708333	N/A	N/A	N/A	N/A	1.50	20.52	
LT side Stem	3.08333333	1193.31		1192.00	1.31		4.04	
LT side backwall	2.19791667	1199.00		1193.31	5.69		12.51	
LT WW - End	1.5	N/A	N/A	N/A	1.00	N/A	1.50	
RT WW - FF	12.75	1200	1193.67	1192.00	4.84	N/A	30.82	
RT WW - BF	12.75	N/A	N/A	N/A	1.00	N/A	12.75	
RT WW - Top	12.75	N/A	N/A	N/A	N/A	1.50	19.13	
RT WW - End	1.5	N/A	N/A	N/A	1.00	N/A	1.50	
RT side Stem	3	1193.71		1192.00	1.71		5.13	
RT side backwall	N/A							
G1 Ped.	3	1193.81	N/A	1193.31	0.50	N/A	3.00	(x2 for sides)
G2 Ped.	3	1194.01	N/A	1193.31	0.70	N/A	4.20	(x2 for sides)
G3 Ped.	3	1194.21	N/A	1193.71	0.50	N/A	3.00	(x2 for sides)
G4 Ped.	3	1194.42	N/A	1193.71	0.71	N/A	4.26	(x2 for sides)
G5 Ped.	3	1194.62	N/A	1193.71	0.91	N/A	5.46	(x2 for sides)
Total							422.25	



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JOB: **PROJECT NAME: Loft Road over Schenevus Creek Bridge**  
**PIN NUMBER: 9755.19**  
 SHEET: OF  
 CALC. BY: RSG DATE: 2/26/26  
 CHECKED BY: LAS DATE: 12/3/24  
 ITEM NUMBER: 564.0501 - 1

ITEM NO.	DESCRIPTION	UNITS
564.0501	STRUCTURAL STEEL, TYPE 1	LS
<b>Girder Weight</b>		
Span	92 ft	
Additional Length	0.5 ft (per end)	
# Beams	5	
t_tf	1 in	
b_tf	16 in	
t_w	0.5 in	
d_w	38 in	
t_bf	1 in	
b_bf	18 in	
Section Area	53 in^2	
	0.368055556 ft^2	
Weight per Beam	16,772.29 lbs	
Total Weight of Beams	83,861.46 lbs	
<b>Bearing Stiffener</b>		
height	38 in	
width	7 in	
thick	0.75 in	
quantity	16	
volume	0.11545 CF	
weight	905.139 lbs	
QTY	274,000.00	
ROUNDING	0	
TOTAL	274,000.00	
<b>Connection Plate</b>		
height	38 in	
width	7 in	
thick	0.5 in	
quantity	24	
volume	0.07697 CF	
weight	905.139 lbs	

<b>Diaphragm Weight</b>			
3x3x3/8 Weight per ft	7.17 plf		
Bottom Lateral Length	3.67 ft		
Top Lateral Length	3.42 ft		
Angle Lengths	2.17 ft		
Total for Angles per Dia	81.8575 lbs		
Top Gusset Area 1	1.05	total area	4.0225
Top Gusset Area 2	1.1		0.375 inch thick
Bottom Gusset 1	0.484		0.03125 ft
Bottom Gusset 2	0.478		0.1257 CF
Middle Bottom	0.9105	Weight	61.5945 lbs
Total gusset per dia.	61.5945 lbs		
Total Angles per dia.	81.8575 lbs		
Total number of Dia	20		
Total weight of Dia	2869.04 lbs		

**Total Steel Weight**

Total Steel 88,540.78  
 3% bolts 91,197.00 (Per NYSDOT Specs 564-4.01A)  
 Price per Steel 3 (Updated Price 2/26/26)  
 Total Cost \$ 273,591.00



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JOB: **PROJECT NAME: Loft Road over Schenevus Creek Bridge**  
**PIN NUMBER: 9755.19**

SHEET:	OF		
CALC. BY:	RSG	DATE:	10/10/24
CHECKED BY:	LAS	DATE:	12/3/24
ITEM NUMBER:	565.2023 - 1		

<u>ITEM NO.</u>	<u>DESCRIPTION</u>	<u>UNITS</u>
565.2023	TYPE E.B. FIXED BEARING (112 TO 168 KIPS)	EACH

QTY	5
ROUNDING	0
TOTAL	5



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**PIN NUMBER: 9755.19**

SHEET:	OF		
CALC. BY:	RSG	DATE:	10/10/2024
CHECKED BY:	LAS	DATE:	12/3/2024
ITEM NUMBER:	565.2033 - 1		

<u>ITEM NO.</u>	<u>DESCRIPTION</u>	<u>UNITS</u>
565.2033	TYPE E.B EXPANSION BEARING (112 TO 168 KIPS)	EACH

QTY	5
ROUNDING	0
TOTAL	5



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**PIN NUMBER: 9755.19**

SHEET:	OF		
CALC. BY:	RSG	DATE:	10/11/24
CHECKED BY:	LAS	DATE:	12/3/24
ITEM NUMBER:	567.60 - 1		

<u>ITEM NO.</u>	<u>DESCRIPTION</u>	<u>UNITS</u>
567.60	ARMORLESS BRIDGE JOINT SYSTEM	LF
		QTY 23
		ROUNDING 0
		TOTAL 23



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JOB: **PROJECT NAME: Loft Road over Schenevus Creek Bridge**  
**PIN NUMBER: 9755.19**

SHEET:	OF		
CALC. BY:	MRV	DATE:	11/26/24
CHECKED BY:	LAS	DATE:	12/3/24
ITEM NUMBER:	569.04 - 1		

<u>ITEM NO.</u>	<u>DESCRIPTION</u>	<u>UNITS</u>
569.04	SINGLE SLOPE (HALF SECTION) CONCRETE BRIDGE BARRIER	LF
	Begin Left 11.375 see guiderail table mst-1 <span style="border: 1px solid black; padding: 2px;">226.8</span>	
	Left Bridge 98 <span style="color: red;">(removed link)</span>	
	Right Bridge 98 M:\18825.00 Loft Road Bridge\Draw\Drawings\References\975519_Plan Tables.xls	
	Begin Right 19.41667	QTY 227
	226.7917	ROUNDING 0
		TOTAL 227



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JOB: **PROJECT NAME: Loft Road over Schenevus Creek Bridge**  
**PIN NUMBER: 9755.19**

SHEET: OF  
CALC. BY: LAS DATE: 9/25/24  
CHECKED BY: mrv DATE: 10-29-24  
ITEM NUMBER: 569.10010011 - 1

<u>ITEM NO.</u>	<u>DESCRIPTION</u>	<u>UNITS</u>
569.10010011	Single Slope Half Section Bridge Barrier with Moment Slab	LF
	Begin Left 47-45833	
	see guiderail table mst-1 <span style="border: 1px solid black; padding: 2px;">47.5</span>	
	<a href="#">(removed link)</a>	
	M:\18825.00 Loft Road Bridge\Draw\Drawings\References\975519_Plan Tables.xls	QTY 48
		ROUNDING 0
		TOTAL 48



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JOB: **PROJECT NAME: Loft Road over Schenevus Creek Bridge**  
**PIN NUMBER: 9755.19**

SHEET:	OF		
CALC. BY:	RSG	DATE:	2/26/26
CHECKED BY:	LAS	DATE:	12/3/24
ITEM NUMBER:	572.00020101 - 1		

<u>ITEM NO.</u>	<u>DESCRIPTION</u>	<u>UNITS</u>
<b>572.00020101</b>	<b>METALIZING, TYPE 1</b>	<b>LS</b>
	linked to 564.0501 and it's a merged cell	
Total Steel Weight	91,197.00	0
Assumed Price	\$ 1.25	
Total Cost	\$ 113,996.25	
		QTY <b>114000</b>
		ROUNDING <b>0</b>
		TOTAL <b>114000</b>



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JOB: PROJECT NAME: Loft Road over Schenevus Creek Bridge  
 PIN NUMBER: 9755.19

SHEET: OF  
 CALC. BY: MRV DATE: 10-29-24  
 CHECKED BY: LAS DATE: 12/3/24  
 ITEM NUMBER: 606.10 - 1

ITEM 606.10 (LF)				
BOX BEAM GUIDE RAILING				
FROM STATION	TO STATION	SIDE	COMMENTS	LENGTH (FT)
SEE GUIDERAIL TABLE MST-1				78.00
(removed link)				
M:\18825.00 Loft Road Bridge\Draw\Drawings\References\975519_Plan Tables.xls				
<b>TOTAL:</b>				<b>78.00</b>

Added for unanticipated field conditions:	
<b>SAY:</b>	<b>78</b>

[STANDARD SHEETS FOR ITEM 606](#)  
 PREPARED BY: MRV  
 CHECKED BY: LAS  
 COMP DATE: 3-Dec

[Estimate Summary](#)



49 COURT STREET  
 BINGHAMTON, NEW YORK 13902  
 PHONE (607) 723-9421  
 FAX (607) 723-4979  
 www.mjinc.com

JOB: PROJECT NAME: Loft Road over Schenevus Creek Bridge  
 PIN NUMBER: 9755.19

SHEET: OF  
 CALC. BY: RG DATE: 11/1/2024  
 CHECKED BY: LAS DATE: 12/3/24  
 ITEM NUMBER: 606.100002 - 1

ITEM 606.100002 (LF)					
BOX BEAM GUIDE RAILING (SHOP BENT OR SHOP MITERED)					
FROM STATION	TO STATION	COMMENT	SIDE	RADIUS (FT)	LENGTH (FT)
SEE GUIDERAIL TABLE MST-1					66.00
(removed link)					
M:\18825.00 Loft Road Bridge\Draw\Drawings\References\975519_Plan Tables.xls					
<b>TOTAL:</b>					<b>66.00</b>

Added for unanticipated field conditions:	
<b>SAY:</b>	<b>66</b>

[STANDARD SHEETS FOR 606](#)  
 PREPARED BY: RG  
 CHECKED BY: LAS  
 COMP DATE: 3-Dec

[Estimate Summary](#)



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JOB: **PROJECT NAME: Loft Road over Schenevus Creek Bridge**  
**PIN NUMBER: 9755.19**

SHEET:	OF		
CALC. BY:	MRV	DATE:	10-29-24
CHECKED BY:	LAS	DATE:	12/3/24
ITEM NUMBER:	606.120101 - 1		

ITEM 606.120101 (EA)			
BOX BEAM END PIECE			
STATION	SIDE	COMMENTS	QTY. (EA)
		SEE GUIDERAIL TABLE MST-1	1
		(removed link)	
M:\18825.00 Loft Road Bridge\Draw\Drawings\References\975519_Plan Tables.xls			
<b>TOTAL:</b>			<b>1</b>

Added for unanticipated field conditions:	
<b>SAY:</b>	<b>1</b>

**STANDARD SHEETS FOR 606**  
**PREPARED BY:** MRV  
**CHECKED BY:** LAS  
**COMP DATE:** 3-Dec

[Estimate Summary](#)



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JOB: **PROJECT NAME: Loft Road over Schenevus Creek Bridge**  
**PIN NUMBER: 9755.19**

SHEET:	OF		
CALC. BY:	MRV	DATE:	10-29-24
CHECKED BY:	LAS	DATE:	12/3/24
ITEM NUMBER:	606.120201 - 1		

**BOX BEAM GUIDE RAILING END ASSEMBLY, TYPE IIA**

ITEM 606.120XXX (EA)			
BOX BEAM GUIDE RAILING END XXX			
STATION	SIDE	COMMENTS	QTY. (EA)
		SEE GUIDERAIL TABLE MST-1	2
(removed link)			
M:\18825.00 Loft Road Bridge\Draw\Drawings\References\975519_Plan Tables.xls			
<b>TOTAL:</b>			<b>2</b>

Added for unanticipated field conditions:	
<b>SAY:</b>	<b>2</b>

- 606.120102 BOX BEAM GUIDE RAILING END ASSEMBLY, TYPE I
- 606.120103 BOX BEAM GUIDE RAILING END ASSEMBLY, TYPE I WITH 18 FT EXTENSION
- 606.120201 BOX BEAM GUIDE RAILING END ASSEMBLY, TYPE IIA
- 606.1203 BOX BEAM GUIDE RAILING END ASSEMBLY, TYPE III

**STANDARD SHEETS FOR 606**  
**PREPARED BY:** MRV  
**CHECKED BY:** LAS  
**COMP DATE:** 3-Dec

[Estimate Summary](#)



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JOB: **PROJECT NAME: Loft Road over Schenevus Creek Bridge**  
**PIN NUMBER: 9755.19**

SHEET:	OF		
CALC. BY:	MRV	DATE:	10-29-2
CHECKED BY:	LAS	DATE:	12/3/2
ITEM NUMBER:	606.3061 - 1		

<u>ITEM NO.</u>	<u>DESCRIPTION</u>	<u>UNITS</u>
<b>606.3061</b>	<b>SINGLE-SLOPE CONCRETE HALF SECTION BARRIER (OPTIONAL)</b>	<b>LF</b>
	SEE GUIDERAIL TABLE MST-1 <span style="border: 1px solid black; padding: 2px;">27.4</span> (removed link) M:\18825.00 Loft Road Bridge\Draw\Drawings\References\975519_Plan Tables.xls	
		QTY <b>27</b>
		ROUNDING <b>0</b>
		TOTAL <b>28</b>



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JOB: PROJECT NAME: Loft Road over Schenevus Creek Bridge  
 PIN NUMBER: 9755.19

SHEET: OF  
 CALC. BY: MRV DATE: 10-29-24  
 CHECKED BY: LAS DATE: 12/3/24  
 ITEM NUMBER: 606.71 - 1

**REMOVING AND DISPOSING CORRUGATED BEAM GUIDE RAILING**

ITEM 606.7X (LF)					
REMOVING AND DISPOSING [SELECT RAIL TYPE]					
PLAN SHEET	FROM STATION	TO STATION	SIDE	COMMENTS	LENGTH (FT)
				SEE GUIDERAIL TABLE MST-1	171.40
	(removed link)				0.00
	M:\18825.00 Loft Road Bridge\Draw\Drawings\References\975519_Plan Tables.xls				0.00
					0.00
					0.00
					0.00
					0.00
					0.00
					0.00
<b>TOTAL:</b>					<b>171.40</b>

Added for unanticipated field conditions:	
<b>SAY:</b>	<b>172</b>

STANDARD SHEETS FOR 606

PREPARED MRV  
 CHECKED E LAS  
 COMP DATE 3-Dec

[Estimate Summary](#)



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JOB: **PROJECT NAME: Loft Road over Schenevus Creek Bridge**  
**PIN NUMBER: 9755.19**

SHEET:	OF		
CALC. BY:	MRV	DATE:	10-29-24
CHECKED BY:	LAS	DATE:	12/3/24
ITEM NUMBER:	606.8803 - 1		

**TRANSITION BETWEEN BOX BEAM GUIDE RAIL AND SINGLE SLOPE HALFSECTION CONCRETE BARRIER(ONE OR TWO WAY OPERATION)**

ITEM 606.8803 (EA)			
GUIDE RAIL TRANSITION X TO X			
STATION	SIDE	COMMENTS	QTY. (EA)
see guiderail table mst-1			3
(removed link)			
M:\18825.00 Loft Road Bridge\Draw\Drawings\References\975519_Plan Tables.xls			
<b>TOTAL:</b>			<b>3</b>

Added for unanticipated field conditions:	
<b>SAY:</b>	<b>3</b>

**STANDARD SHEETS FOR 606**  
**PREPARED BY:** MRV  
**CHECKED BY:** LAS  
**COMP DATE:** 3-Dec

[Estimate Summary](#)



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JOB: PROJECT NAME: Loft Road over Schenevus Creek Bridge  
 PIN NUMBER: 9755.19

SHEET: OF  
 CALC. BY: LAS DATE: 9/25/24  
 CHECKED BY: RSG DATE: 12/5/24  
 ITEM NUMBER: 607.41010010 - 1

ITEM 607.41010010 (LF)				
TEMPORARY PLASTIC BARRIER FENCE				
FROM STATION	TO STATION	SIDE	COMMENTS	LENGTH (FT)
			Along Ebert Property	275
				0
				0
				0
				0
				0
<b>TOTAL:</b>				<b>283</b>
Added for unanticipated field conditions:				
<b>SAY:</b>				<b>283</b>

283 show on erosion control plans, shown in the fea\_erw reference

[SPECIAL SPECIFICATIONS PAGE](#)

[STANDARD SHEETS FOR 606](#)

PREPARED BY: LAS

CHECKED BY: RSG

COMP DATE: 5-Dec

[Estimate Summary](#)



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JOB: **PROJECT NAME: Loft Road over Schenevus Creek Bridge**  
**PIN NUMBER: 9755.19**

SHEET:	OF		
CALC. BY:	LAS	DATE:	9/24/24
CHECKED BY:	RSG	DATE:	12/5/24
ITEM NUMBER:	607.97000007 - 1		

<u>ITEM NO.</u>	<u>DESCRIPTION</u>	<u>UNITS</u>
607.97000007	REMOVE, STORE AND REINSTALL EXISTING WOOD FENCE	LF
	PER GENERAL PLAN	
	SE Quad	
		QTY 135
		ROUNDING 0
		TOTAL 135



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JOB: **PROJECT NAME: Loft Road over Schenevus Creek Bridge**  
**PIN NUMBER: 9755.19**

SHEET: OF  
 CALC. BY: MRV DATE: 10-29-24  
 CHECKED BY: LAS DATE: 12/3/24  
 ITEM NUMBER: 608.020102 - 1

ITEM 608.020102 (TON)								
HOT MIX ASPHALT (HMA) SIDEWALKS, DRIVEWAYS AND BICYCLE PATHS								
PLAN SHEET	FROM STATION	TO STATION	SIDE	LENGTH (FT)	WIDTH (FT)	DEPTH (IN)	CY	TONS
	3+52.60	3+65.80	LT	13.20	2.00	3.00	0.24	0.50
	4+79.30	5+03.40	LT	24.10	2.00	3.00	0.45	0.90
	4+79.00	4+95.50	RT	16.50	2.00	3.00	0.31	0.62
				0.00			0.00	0.00
				0.00			0.00	0.00
				0.00			0.00	0.00
				0.00			0.00	0.00
<b>TOTAL:</b>								<b>2.02</b>

unit price from estimator 11-13-24

\* Used within limits of approach slab

Added for unanticipated field conditions:	
<b>SAY:</b>	<b>3</b>

CY / 0.4938 = TONS

ITEM 608.020112	PLANT PRODUCTION QUALITY ADJUSTMENT TO 608.020102	QAF = 0.05	0.00
-----------------	---	------------	------

**NOTE: IF ITEM 608.020102 IS USED, THE DESIGNER SHALL INCLUDE ITEM 625.01 - SURVEY OPERATIONS FOR THE CURB RAMPS AND SIDEWALKS.**

[STANDARD SHEETS FOR 608](#)

PREPARED BY MRV

CHECKED BY LAS

COMP BY D/

3-Dec

[Estimate Summary](#)





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JOB: PROJECT NAME: Loft Road over Schenevus Creek Bridge  
 PIN NUMBER: 9755.19

SHEET: OF  
 CALC. BY: MRV DATE: 11-8-24  
 CHECKED BY: LAS DATE: 12/3/24  
 ITEM NUMBER: 610.1605 - 1

**Turf Establishment Performance**

ITEM 610.160X (SY)									
TURF ESTABLISHMENT - X									
PLAN SHEET	FROM STATION	TO STATION	SIDE	COMMENTS	LENGTH (FT)	WIDTH (FT)	MULTIPLIER	AREA (SY)	
	3+00.00	3+81.00	LT				1.12	230.22	
	4+76.00	6+00.00	LT				1.12	362.63	
	3+00.00	3+81.00	RT				1.12	0.00	
	4+76.00	6+00.00	RT				1.12	1,075.45	
	TURF ESTABLISHMENT I 88 ACCESS RD							1.00	391.67
<b>TOTAL:</b>								<b>2,059.97</b>	

unit price from estimator

SF FROM DGN

1850  
 2914  
 0  
 8642  
 3525

610.1601 =	ROADSIDE
610.1602 =	LAWNS

Added for unanticipated field conditions:	
<b>SAY:</b>	<b>2,060</b>

see orange shapes, x\_quantities in estimate working folder

**Areas from MicroStation \***

\* = "The length and steepness of slopes can make a significant difference in area calculations. Designer should be aware of this and adjust areas accordingly. See the below list of percentages that would need to be multiplied to the plan view area in MicroStation for the different slopes."

1:2 slopes	Multiplier:	1.12
1:3 slopes	Multiplier:	1.05
1:4 slopes	Multiplier:	1.03
1:5 slopes	Multiplier:	1.02
1:6 slopes	Multiplier:	1.014
Flatter	Multiplier:	1.01

PREPARED MRV  
 CHECKED B LAS  
 COMP DATE 3-Dec

[Estimate Summary](#)



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JOB: **PROJECT NAME: Loft Road over Schenevus Creek Bridge**  
**PIN NUMBER: 9755.19**

SHEET:	OF		
CALC. BY:	MRV	DATE:	3-31-25
CHECKED BY:	RSG	DATE:	6/24/25
ITEM NUMBER:	617.01010024 - 1		

<u>ITEM NO.</u>	<u>DESCRIPTION</u>	<u>UNITS</u>
<b>617.01010024</b>	<b>CONTROLLING INVASIVE PLANT SPECIES WITH HERBICIDES</b>	<b>SF</b>
	areas from dgn file	
	west side of schenevus creek	2776
	east side of schenevus creek	4754
	total	7530
		QTY <b>7530</b>
		ROUNDING <b>0</b>
		TOTAL <b>7530</b>



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JOB: **PROJECT NAME: Loft Road over Schenevus Creek Bridge**  
**PIN NUMBER: 9755.19**

SHEET:	OF		
CALC. BY:	MRV	DATE:	3-31-25
CHECKED BY:	RSG	DATE:	6/24/25
ITEM NUMBER:	617.01030024 - 1		

<u>ITEM NO.</u>	<u>DESCRIPTION</u>			<u>UNITS</u>
<b>617.01030024</b>	<b>CONTROLLING INVASIVE PLANT SPECIES BY EXCAVATION</b>			<b>CY</b>
	areas from dgn file			
	west side of schenevus creek	2776 sf	3	308.4
	east side of schenevus creek	4754 sf	3	528.2
			Total	836.7
				QTY <b>837</b>
				ROUNDING <b>0</b>
				TOTAL <b>837</b>



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JOB: **PROJECT NAME: Loft Road over Schenevus Creek Bridge**  
**PIN NUMBER: 9755.19**

SHEET:	OF		
CALC. BY:	MRV	DATE:	3-31-25
CHECKED BY:	RSG	DATE:	6/24/25
ITEM NUMBER:	617.10000024 - 1		

<u>ITEM NO.</u>	<u>DESCRIPTION</u>			<u>UNITS</u>
<b>617.10000024</b>	<b>DISPOSAL OF MATERIAL CONTAINING INVASIVE PLANT SPECIES</b>			<b>CY</b>
	areas from dgn file		depth (')	
	west side of schenevus creek	2776 sf	3	308.4
	east side of schenevus creek	4754 sf	3	528.2
				836.7
				QTY <b>837</b>
				ROUNDING <b>0</b>
				TOTAL <b>837</b>



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JOB: **PROJECT NAME: Loft Road over Schenevus Creek Bridge**  
**PIN NUMBER: 9755.19**

SHEET:	OF	
CALC. BY:	RSG	DATE: 6/24/25
CHECKED BY:	LAS	DATE: 6/24/25
ITEM NUMBER:	617.11000024 - 1	

<u>ITEM NO.</u>	<u>DESCRIPTION</u>	<u>UNITS</u>
617.11000024	EQUIPMENT CLEANING FOR INVASIVE PLANT SPECIES	LS
		QTY 2500
		ROUNDING 0
		TOTAL 2500



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JOB: PROJECT NAME: Loft Road over Schenevus Creek Bridge  
 PIN NUMBER: 9755.19  
 SHEET: OF  
 CALC. BY: MRV DATE: 12/9/25  
 CHECKED BY: RSG DATE: 3/3/26  
 ITEM NUMBER: 619.01 - 1

SEE WZTC EXCEL WORKSHEET FILE

Use

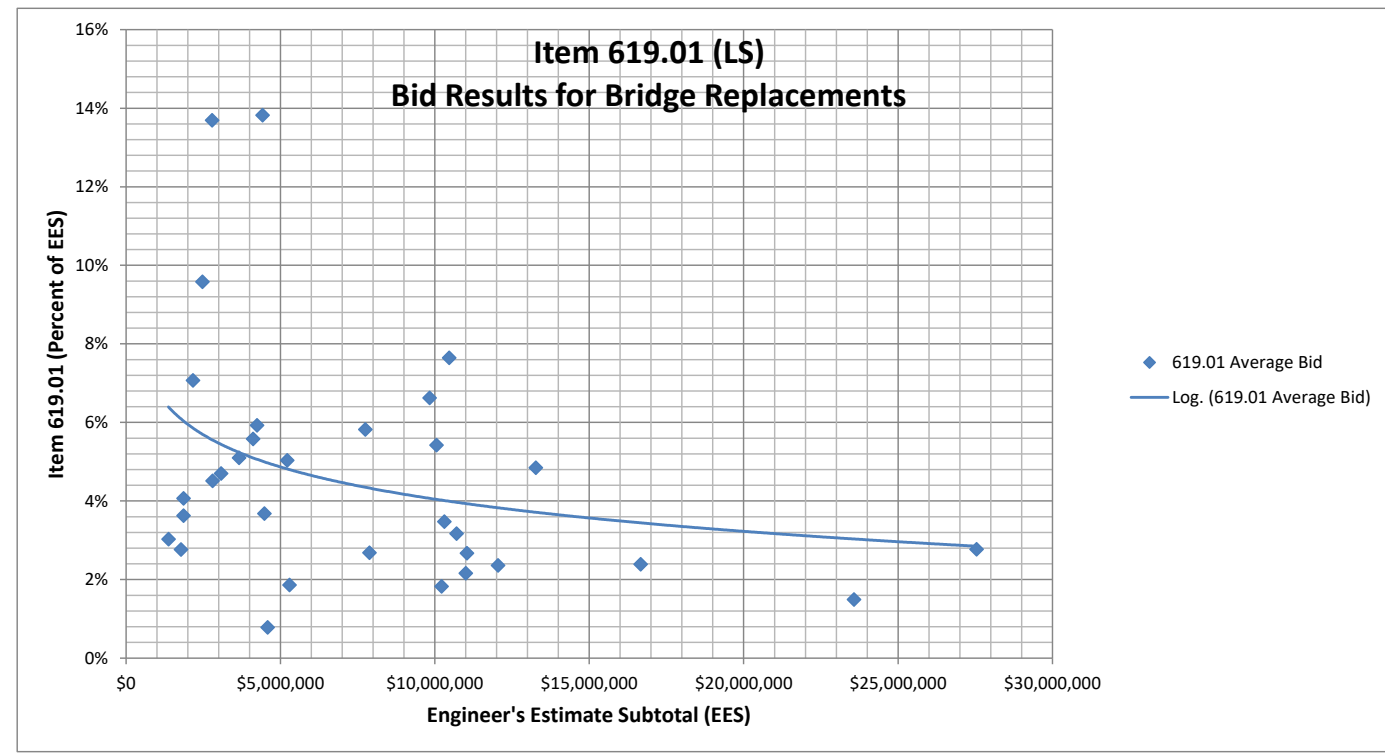
\$ 208,000

**ITEM 619.01 LUMP SUM WORKSHEET**

See "619.01 Example Graph" tab for info on graphs.

Summary: \$3,744,600.15

ITEM 619.01 (LS) BASIC WORK ZONE TRAFFIC CONTROL		
<b>Project Type: Bridge Replace/Rehab</b>	<b>Designer Instructions:</b> 1) Fill in the EES (Engineer's Estimate Subtotal) in blue cell. 2) Use the drop down menus in the yellow cells to select adjustments, as applicable. 3) Add the dollar figure displayed in the green cell to the EE.	
Engineer's Estimate Subtotal (without 619.01 or 625.01) =>		\$3,743,703.00
Complexity (Project)	Simple-0.00, Moderate-0.20, Complex-0.40	0.2
Staged construction	None-0.00, Simple-0.20, Complex-0.40	0.2
Detour	None-0.00, Minor-0.20, Major-0.40	0.2
Temporary Signal	None-0.00, Simple-0.20, Complex-0.40	0.2
Cross-over	None-0.00, One-0.20, Two or more-0.40	0
Number of sites	One-0.00, Up to Three-0.50, More-1.00	0.5
Project Area Character	Rural-0.00, Suburban-0.50, Urban-1.00	0
Total Adjustments		1.30%
Base Percentage (Dependent on Engineer's Estimate)		2.60%
<b>Adjusted Percentage (Compare to chart on right)</b>		<b>5.55%</b>
<b>Item 619.01 Lump Sum Cost</b>		<b>\$ 207,775.52</b>



PREPARED BY:  
 CHECKED BY:  
 COMP DATE:

MRV  
 RSG

3-Mar

[Estimate Summary](#)

Drop Down

0.00

0.20

0.40

Drop Down

0.00

0.50

1.00



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JOB: PROJECT NAME: Loft Road over Schenevus Creek Bridge  
 PIN NUMBER: 9755.19

SHEET: OF  
 CALC. BY: MRV DATE: 11-11-24  
 CHECKED BY: LAS DATE: 12/4/24  
 ITEM NUMBER: 619.04 - 1

ITEM 619.04 (EA)			
TYPE III CONSTRUCTION BARRICADES			
STATION	SIDE	WZTC COMMENTS	QTY. (EA)
LR 03+00.0	RT	4 BARRICADES	4
MPP-1 /MPP-2		4 BARRICADES EACH END OF ACCESS RD TO I-88	8
<b>TOTAL:</b>			<b>12</b>

Added for unanticipated field conditions:	
<b>SAY:</b>	<b>12</b>

[STANDARD SHEETS FOR 619](#)  
 PREPARED BY: MRV  
 CHECKED BY: LAS  
 COMP DATE: 4-Dec

[Estimate Summary](#)



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JOB: **PROJECT NAME: Loft Road over Schenevus Creek Bridge**  
**PIN NUMBER: 9755.19**

SHEET:	OF		
CALC. BY:	MRV	DATE:	11-22-24
CHECKED BY:	LAS	DATE:	12/4/24
ITEM NUMBER:	619.100101 - 1		

<u>ITEM NO.</u>		<u>DESCRIPTION</u>	<u>UNITS</u>	
<b>619.100101</b>		<b>INTERIM PAVEMENT MARKINGS, STRIPES (TRAFFIC PAINT)</b>		<b>LF</b>
			LF	
WHITE EDGE LINE	LR 01+42.8	LR 07+00.0	1114.4	
WHITE STOP BAR			40	
DOUBLE YELLOW	SAY 40' EACH SIDE		80	
		TOTAL	1234.4	
				QTY <b>1234</b>
				ROUNDING <b>0</b>
				TOTAL <b>1235</b>



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JOB: **PROJECT NAME: Loft Road over Schenevus Creek Bridge**  
**PIN NUMBER: 9755.19**

SHEET:	OF		
CALC. BY:	RSG	DATE:	10/11/24
CHECKED BY:	LAS	DATE:	12/4/24
ITEM NUMBER:	619.130201 - 1		

**TEMPORARY TRAFFIC SIGNALS**

ITEM 619.13XX (ELOC)			
TEMPORARY TRAFFIC SIGNAL [XX = SERIALIZED]			
LOCATION	COMMENTS	PHASE	EACH LOCATION
<b>TOTAL:</b>			<b>1</b>
Added for unanticipated field conditions:			
<b>SAY:</b>			<b>1</b>

UNIT COST FROM estimator 11-13-24 - mrv

(location is project site, not # of lights)

**PREPARED BY:** RSG  
**CHECKED BY:** LAS  
**COMP DATE:** 4-Dec

[Estimate Summary](#)



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JOB: **PROJECT NAME: Loft Road over Schenevus Creek Bridge**  
**PIN NUMBER: 9755.19**

SHEET:	OF		
CALC. BY:	MRV	DATE:	11-17-24
CHECKED BY:	LAS	DATE:	12/4/24
ITEM NUMBER:	619.1716 - 1		

<u>ITEM NO.</u>	<u>DESCRIPTION</u>	<u>UNITS</u>
<b>619.1716</b>	<b>Temporary Positive Barrier - Category 6 (Pinning Required)</b>	<b>LF</b>
SEE TABLE		
LR 03+00.0	72 LF (rounded to nearest 20)	
LR 05+00.0	120.0 LF (rounded to nearest 20)	
	192 Total	
		QTY <b>192</b>
		ROUNDING <b>0</b>
		TOTAL <b>192</b>



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JOB: **PROJECT NAME: Loft Road over Schenevus Creek Bridge**  
**PIN NUMBER: 9755.19**

SHEET:	OF		
CALC. BY:	MRV	DATE:	11-17-24
CHECKED BY:	LAS	DATE:	12/4/24
ITEM NUMBER:	619.1719 - 1		

<u>ITEM NO.</u>	<u>DESCRIPTION</u>	<u>UNITS</u>
<b>619.1719</b>	<b>Warning Lights on Temporary Positive Barriers</b>	<b>EACH</b>
Use 2 per each 20' TPB, therefore total TPB length req'd / 10 = Warning light qty.		
TPB qty. (619.1711)=	192 divided by 10 =	19.2
	<b>USE QTY=</b>	<b>19.2</b>
		QTY <b>19</b>
		ROUNDING
		TOTAL <b>19</b>



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JOB: **PROJECT NAME: Loft Road over Schenevus Creek Bridge**  
**PIN NUMBER: 9755.19**

SHEET:	OF		
CALC. BY:	mrv	DATE:	11-13-24
CHECKED BY:	LAS	DATE:	12/4/24
ITEM NUMBER:	619.1802 - 1		

**TEMPORARY IMPACT ATTENUATOR - REDIRECTIVE (TEST LEVEL 2)**

ITEM 619.18XY (EA)				
TEMPORARY IMPACT ATTENUATOR - [X = REDIRECTIVE OR GATING] TEST LEVEL Y]				
STATION	OFFSET	SIDE	COMMENTS	QTY. (EA)
				2
<b>TOTAL:</b>				<b>2</b>

Added for unanticipated field conditions:	
<b>SAY:</b>	<b>2</b>

**PREPARED BY:** mrv  
**CHECKED BY:** LAS  
**COMP DATE:** 4-Dec

[Estimate Summary](#)

SHEET:	OF		
CALC. BY:	MRV	DATE:	11-8-24
CHECKED BY:	LAS	DATE:	12/4/24
ITEM NUMBER:	620.03 - 1		

**STONE FILLING (LIGHT)**

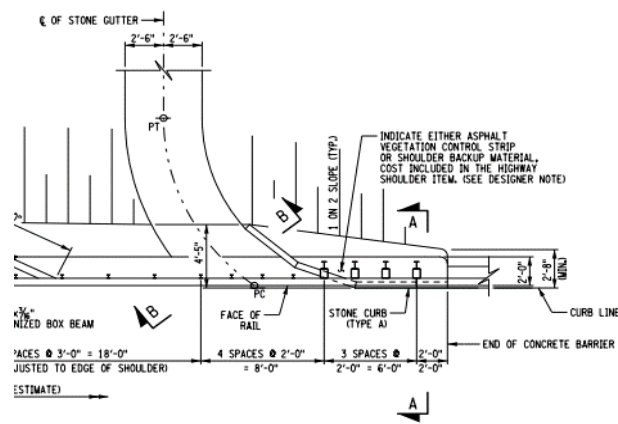
ITEM 620.0X (CY)					
STONE FILLING - [X = SIZE]					
STATION	SIDE	LENGTH (FT)	WIDTH (FT)	DEPTH (FT)	VOLUME (CY)
3 GUTTERS					22.61
					0.00
					0.00
					0.00
					0.00
					0.00
					0.00
					0.00
					0.00
					0.00
					0.00
					0.00
					0.00
					0.00
					0.00
					0.00
					0.00
<b>TOTAL:</b>					<b>22.61</b>

Added for unanticipated field conditions:	
<b>SAY:</b>	<b>23</b>

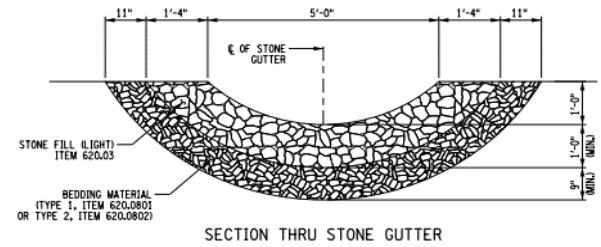
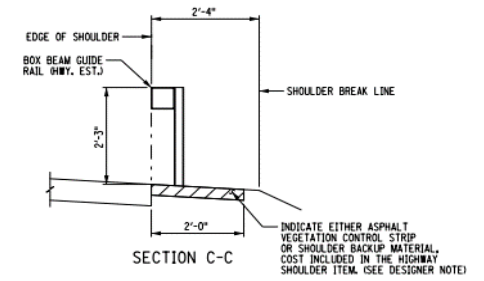
 PREPARED BY: MRV  
 CHECKED BY: LAS  
 COMP DATE: 4-Dec

[Estimate Summary](#)

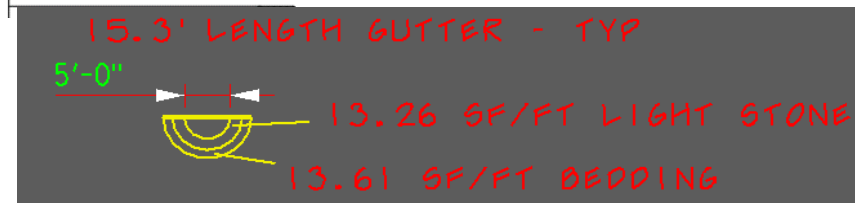
	L	SF/FT	SF
3 GUTTERS AT 15.3 FT	15.3	13.3	203.49



TURE SHOULDER WIDTH



SECTION THRU STONE GUTTER











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JOB: PROJECT NAME: Loft Road over Schenevus Creek Bridge  
PIN NUMBER: 9755.19

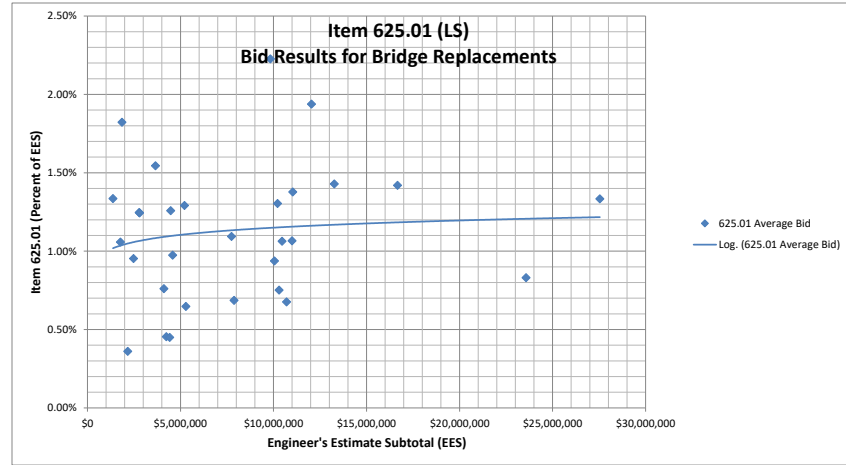
SHEET: OF  
CALC. BY: RSG DATE: 3/3/26  
CHECKED BY: RSG DATE: 3/3/26  
ITEM NUMBER: 625.01 - 1

ITEM 625.01 LUMP SUM WORKSHEET (LS)

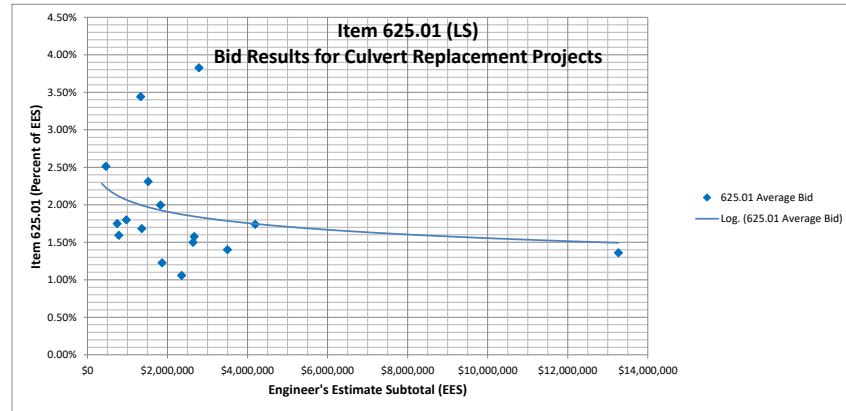
See "Example Graph" tab for info on graphs.

\$3,744,600.15

ITEM 625.01 (LS)		
SURVEY OPERATIONS		
Project Type: Bridge Replace/Rehab	Designer Instructions:	
	1) Fill in the EES (Engineer's Estimate Subtotal) in blue cell. 2) Use the drop down menus in the yellow cells to select adjustments, as applicable. 3) Add the dollar figure displayed in the green cell to the EE.	
Engineer's Estimate Subtotal (without 619.01 or 625.01) =>		\$3,743,703.00
Complexity (Project)	Simple-0.00, Moderate-0.02, Complex-0.03	0.02
Staged construction	None-0.00, Simple-0.02, Complex-0.03	0.02
Detour	None-0.00, Minor-0.02, Major-0.03	0.02
Cross-over	None-0.00, One-0.02, Two or more-0.03	0
Number of sites	One-0.00, Up to Three-0.02, More-0.03	0.02
Project Area Character	Rural-0.00, Suburban-0.02, Urban-0.03	0
Total Adjustments		0.08%
Base Percentage		1.00%
<b>Adjusted Percentage (Compare to chart on right)</b>		<b>1.08%</b>
Number of Curb Ramps =>		\$ -
<b>Item 625.01 Lump Sum Cost</b>		<b>\$ 41,000.00</b>



ITEM 625.01 (LS)		
SURVEY OPERATIONS		
Project Type: Culvert	Designer Instructions:	
	1) Fill in the EES (Engineer's Estimate Subtotal) in blue cell. 2) Use the drop down menus in the yellow cells to select adjustments, as applicable. 3) Add the dollar figure displayed in the green cell to the EE.	
Engineer's Estimate Subtotal (without 619.01 or 625.01) =>		
Complexity (Project)	Simple-0.00, Moderate-0.10, Complex-0.20	Drop Down
Number of sites	One-0.00, Up to Three-0.10, More-0.20	Drop Down
Detour	None-0.00, Minor-0.10, Major-0.20	Drop Down
Project Area Character	Rural-0.00, Suburban-0.10, Urban-0.20	Drop Down
Total Adjustments		0.00%
Base Percentage		1.30%
<b>Adjusted Percentage (Compare to chart on right)</b>		<b>1.30%</b>
Number of Curb Ramps =>		\$ -
<b>Item 625.01 Lump Sum Cost</b>		<b>\$ -</b>



QUANTITY FOR ESTIMATE => \$ 41,000.00

PREPARED BY: RSG  
CHECKED BY: RSG  
COMP DATE:

3-Mar

[Estimate Summary](#)





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JOB: PROJECT NAME: Loft Road over Schenevus Creek Bridge  
PIN NUMBER: 9755.19

SHEET:	OF		
CALC. BY:	LAS	DATE:	6/11/2025
CHECKED BY:	RSG	DATE:	6/24/25
ITEM NUMBER:	637.01 - 1		

<u>ITEM NO.</u>	<u>DESCRIPTION</u>	<u>UNITS</u>
637.01	FIELD LABORATORY	EACH

QTY	1
ROUNDING	0
TOTAL	1



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JOB: **PROJECT NAME: Loft Road over Schenevus Creek Bridge**  
**PIN NUMBER: 9755.19**

SHEET:	OF		
CALC. BY:	LAS	DATE:	9/25/24
CHECKED BY:	RSG	DATE:	12/5/24
ITEM NUMBER:	637.04 - 1		

<u>ITEM NO.</u>	<u>DESCRIPTION</u>	<u>UNITS</u>
637.04	Concrete Cylinder Curing Equipment	EACH

QTY	1
ROUNDING	0
TOTAL	1



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JOB: **PROJECT NAME: Loft Road over Schenevus Creek Bridge**  
**PIN NUMBER: 9755.19**

SHEET:	OF		
CALC. BY:	RSG	DATE:	2/26/26
CHECKED BY:	LAS	DATE:	12/6/24
ITEM NUMBER:	637.11 - 1		

<u>ITEM NO.</u>	<u>DESCRIPTION</u>	<u>UNITS</u>	
<b>637.11</b>	<b>ENGINEER'S FIELD OFFICE - TYPE 1</b>		<b>MNTH</b>
	Per Spec Book	QTY	<b>12</b>
	240 calendar	ROUNDING	<b>0</b>
	8 Months		
	Increased to 12 to account for winter shutdown	TOTAL	<b>12</b>



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JOB: **PROJECT NAME: Loft Road over Schenevus Creek Bridge**  
**PIN NUMBER: 9755.19**

SHEET:	OF		
CALC. BY:	LAS	DATE:	9/25/24
CHECKED BY:	rsg	DATE:	12/5/24
ITEM NUMBER:	637.34 - 1		

<u>ITEM NO.</u>	<u>DESCRIPTION</u>	<u>UNITS</u>
<b>637.34</b>	<b>OFFICE TECHNOLOGY AND SUPPLIES</b>	<b>DC</b>
		<b>QTY 1500</b>
		<b>ROUNDING 0</b>
		<b>TOTAL 1500</b>



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JOB: **PROJECT NAME: Loft Road over Schenevus Creek Bridge**  
**PIN NUMBER: 9755.19**

SHEET:	OF		
CALC. BY:	RSG	DATE:	12/5/24
CHECKED BY:	MRV	DATE:	12/6/24
ITEM NUMBER:	640.10 - 1		

<u>ITEM NO.</u>	<u>DESCRIPTION</u>	<u>UNITS</u>
640.10	WHITE PAINT REFLECTORIZED PAVEMENT STRIPES - 15 MILS	LF

	Start Sta	End Sta	Length	QTY	
RT	03+00.0	06+50.0	350		700
LT	03+00.0	06+50.0	350	ROUNDING	0
	Total		700	TOTAL	700



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JOB: **PROJECT NAME: Loft Road over Schenevus Creek Bridge**  
**PIN NUMBER: 9755.19**

SHEET:	OF		
CALC. BY:	RSG	DATE:	12/5/24
CHECKED BY:	MRV	DATE:	12/6/24
ITEM NUMBER:	640.11 - 1		

<u>ITEM NO.</u>	<u>DESCRIPTION</u>				<u>UNITS</u>
<b>640.11</b>	<b>YELLOW PAINT REFLECTORIZED PAVEMENT STRIPES - 15 MILS</b>				<b>LF</b>
	Start Sta	End Sta	Length		
	03+00.0	06+50.0	350	(x2)	
					QTY
					<b>700</b>
					ROUNDING
					<b>0</b>
					TOTAL
					<b>700</b>





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JOB: PROJECT NAME: Loft Road over Schenevus Creek Bridge  
 PIN NUMBER: 9755.19

SHEET: OF  
 CALC. BY: MRV DATE: 10-29-24  
 CHECKED BY: LAS DATE: 12/4/24  
 ITEM NUMBER: 646.22 - 1

ITEM 646.22 (EA)					
DELINEATOR, SNOWPLOWING MARKER, SUPPLEMENTARY SNOWPLOWING MARKER PANELS					
FROM STATION	TO STATION	SIDE	SPACING (FT)*	COMMENTS	QTY. (EA)
<b>DELINEATORS</b>					
<b>SNOWPLOW MARKERS</b>					
					4.00
<b>TOTAL:</b>					<b>4</b>

unit price from estimator

\* SPACING IN ACCORDANCE TO STANDARD SHEET 646-15 AND TABLE 3F-1 OF MUTCD.

Added for unanticipated field conditions:	
<b>SAY:</b>	<b>4</b>

**STANDARD SHEETS FOR 646**

PREPARED BY: MRV  
 CHECKED BY: LAS  
 COMP DATE: 4-Dec

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JOB: **PROJECT NAME: Loft Road over Schenevus Creek Bridge**  
**PIN NUMBER: 9755.19**

SHEET: \_\_\_\_\_ OF \_\_\_\_\_  
CALC. BY: MRV DATE: 10-29-24  
CHECKED BY: LAS DATE: 12/4/24  
ITEM NUMBER: 646.32 - 1

### STEEL POST, 2.0 LB/FT

ITEM 646.3X (EA)				
STEEL POST, (X= 1.1 LB/FT OR 2.0 LB/FT)				
STATION	OFFSET	SIDE	COMMENTS	QTY. (EA)
				3
<b>TOTAL:</b>				<b>3</b>

unit price from estimator

Added for unanticipated field conditions:	
<b>SAY:</b>	<b>3</b>

STANDARD SHEETS FOR 646

PREPARED BY: MRV  
CHECKED BY: LAS  
COMP DATE: 4-Dec

[Estimate Summary](#)



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JOB: PROJECT NAME: Loft Road over Schenevus Creek Bridge  
 PIN NUMBER: 9755.19

SHEET:	OF		
CALC. BY:	MRV	DATE:	10-29-24
CHECKED BY:	LAS	DATE:	12/4/24
ITEM NUMBER:	647.31 - 1		

RELOCATE SIGN PANEL, SIGN PANEL ASSEMBLY SIZE I (UNDER 30SQUARE FEET)

ITEM 647.3X (EA)				
RELOCATE SIGN PANEL, SIGN PANEL ASSEMBLY SIZE X				
STATION	OFFSET	SIDE	COMMENTS	QTY. (EA)
			SEE SIGN TABLE MST-1	2
<b>TOTAL:</b>				<b>2</b>

unit price from estimator

Added for unanticipated field conditions:	
<b>SAY:</b>	<b>2</b>

PREPARED BY: MRV  
 CHECKED BY: LAS  
 COMP DATE: 4-Dec

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JOB: **PROJECT NAME: Loft Road over Schenevus Creek Bridge**  
**PIN NUMBER: 9755.19**

SHEET: \_\_\_\_\_ OF \_\_\_\_\_  
CALC. BY: MRV DATE: 10-29-24  
CHECKED BY: LAS DATE: 12/4/24  
ITEM NUMBER: 647.51 - 1

### REMOVE AND DISPOSE SIGN PANEL, SIGN PANEL ASSEMBLY SIZE I(UNDER 30 SQUARE FEET)

ITEM 647.5X (EA)				
REMOVE AND DISPOSE SIGN PANEL, SIGN PANEL ASSEMBLY SIZE X				
STATION	OFFSET	SIDE	COMMENTS	QTY. (EA)
			SEE SIGN TABLE MST-1	1
<b>TOTAL:</b>				<b>1</b>
Added for unanticipated field conditions:				
<b>SAY:</b>				<b>1</b>

unit price from vestal

PREPARED BY: MRV  
CHECKED BY: LAS  
COMP DATE: 4-Dec

[Estimate Summary](#)



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JOB: **PROJECT NAME: Loft Road over Schenevus Creek Bridge**  
**PIN NUMBER: 9755.19**

SHEET:	OF		
CALC. BY:	MRV	DATE:	10-29-24
CHECKED BY:	LAS	DATE:	12/4/24
ITEM NUMBER:	647.61 - 1		

REMOVE AND DISPOSE SIGNS, GROUND MOUNTED TYPE A SIGN SUPPORTS AND FOUNDATIONS - SIZE I (UNDER 30 SQUARE FEET)

unit price from estimator

ITEM 647.6X (EA)					
REMOVE AND DISPOSE GROUND MOUNTED TYPE A SIGN SUPPORT(S) FDNS AND ANY ATTACHED SIGNS - SIZE X					
MUTCD NUMBER	STATION	OFFSET	SIDE	COMMENTS	QTY. (EA)
				SEE SIGN TABLE MST-1	3
<b>TOTAL:</b>					<b>3</b>

Added for unanticipated field conditions:	
<b>SAY: 3</b>	

PREPARED MRV  
 CHECKED B LAS  
 COMP DATE 4-Dec

[Estimate Summary](#)



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JOB: **PROJECT NAME: Loft Road over Schenevus Creek Bridge**  
**PIN NUMBER: 9755.19**

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SHEET: OF  
CALC. BY: LAS DATE: 10/09/2024  
CHECKED BY: RSG DATE: 12/5/24  
ITEM NUMBER: 663.1501 - 1

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<u>ITEM NO.</u>	<u>DESCRIPTION</u>	<u>UNITS</u>
663.1501	DRY HYDRANT	EACH

QTY	1
ROUNDING	0
TOTAL	1



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JOB: PROJECT NAME: Loft Road over Schenevus Creek Bridge  
PIN NUMBER: 9755.19

SHEET: OF  
CALC. BY: LAS DATE: 12/3/24  
CHECKED BY: RSG DATE: 3/3/26  
ITEM NUMBER: 675.99000023 - 1

ITEM NO.	DESCRIPTION	UNITS	
675.99000023	RAILROAD ACCESS COST REIMBURSEMENT		DC
	Per a meeting with NS carry \$1500 per day for this item		
	calendar days	252	QTY 290000
	working days	180	
	Flaggin Cost \$	270,000.00	ROUNDING 0
	Insurance Cost/Extra \$	20,000.00	
			TOTAL 290000

**ITEM 675.99000023 – RAILROAD SERVICES COST REIMBURSEMENT**

**DESCRIPTION**

This work shall consist of submitting cost records for incurred expenses related to obtaining and maintaining right-of-entry permits, private crossing agreements, protective services agreements, and other contractual instruments necessary to gain access to or work near Railroad property or property upon which a Railroad operates for the sole purpose of performing the work required by the Contract. Only costs necessitated by the Contract and required by the Railroad or Vendor will be considered. Cost(s) associated with Contractor convenience(s) for which other means and methods are available for performing the work will not be considered for reimbursement.

**MATERIALS**

None Specified.

**CONSTRUCTION DETAILS**

The Contractor may be required to negotiate and obtain permits/agreements with one or more Railroads or Vendors to perform work upon, or near Railroad-property as necessitated by the Contract. There may be associated services and fees required to be paid for by the Contractor.

This Item is for reimbursement of costs incurred by the Contractor for permits/agreements and associated costs which are not otherwise covered or addressed by requirements in the Contract Proposal, Standard Specifications, or other agreements.

**Costs which are eligible for reimbursement include but are not limited to:**

- Right-of entry permit application fees and associated costs
- Flagging or protective services from the Railroad or Vendor and associated costs
- Private crossing application fees and costs associated with private crossing agreements
- Charges for permit/agreement time extensions
- Cost difference for any additional insurance policies, coverage, or allowance amounts required by the Railroad beyond those identified in the Contract Proposal and Standard Specifications



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JOB: PROJECT NAME: Loft Road over Schenevus Creek Bridge  
 PIN NUMBER: 9755.19

SHEET:	OF		
CALC. BY:	RSG	DATE:	1/29/26
CHECKED BY:	LAS	DATE:	3/31/26
ITEM NUMBER:	697.03 - 1		

ITEM NO.	DESCRIPTION	UNITS
697.03	FIELD CHANGE PAYMENT	DC
	\$3,657,200.15	
	\$182,860.01	
		QTY 183000
		ROUNDING 0
		TOTAL 183000



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JOB: PROJECT NAME: Loft Road over Schenevus Creek Bridge  
 PIN NUMBER: 9755.19

SHEET:	OF		
CALC. BY:	LAS	DATE:	12/4/24
CHECKED BY:	RSG	DATE:	12/5/24
ITEM NUMBER:	698.04 - 1		

<b>ITEM 698.04</b>		
<b>ASPHALT PRICE ADJUSTMENT (DC)</b>		
<b>SEE EI 07-024</b>		
<p><b>698-3.01 Asphalt Price Adjustment.</b> The asphalt price adjustment will be based solely on the price changes for asphalt as determined by the formulas below. No adjustment will be made if the monthly average posted price is within \$15.00 of the asphalt index price. No consideration will be given to the situation where an individual supplier's price exceeds the monthly average posted price.</p>		
<p><b>A. Prices.</b> The asphalt index price and the monthly average posted price are defined as follows:</p>		
<p><b>1. Asphalt Index Price.</b> The asphalt index price is a price per ton of Performance Graded Binder (PGB) used solely as a basis from which to compute asphalt price adjustments. The asphalt index price for original contract bid price items and additional work at the original contract bid price will be the monthly average posted price for the month of the bid letting. The asphalt index price for additional work at agreed price will be the monthly average posted price for the month the agreed price was submitted to the Engineer.</p>		
<p><b>2. Monthly Average Posted Price.</b> The average terminal price for unmodified PG 64-22 binder, without anti-stripping agent, determined by the Department, based on prices of approved primary sources of PGB.</p>		
<p><b>B. Quantity.</b> The quantity of asphalt in tons considered for adjustment will be determined by multiplying the quantity of eligible work completed by the conversion factors listed in the Special Note entitled <i>Asphalt Price Adjustment</i>.</p>		
<p><b>C. Adjustment.</b> Asphalt price adjustment will be based on the following formulas:</p>		
<p><b>1. When price increases:</b>            Price Adjustment = (Quantity of Asphalt) x (Monthly Average Posted Price - PGB Index Price - \$15.00)</p>		
<p><b>2. When price decreases:</b>            Price Adjustment = (Quantity of Asphalt) x (Monthly Average Posted Price - PGB Index Price + \$15.00)</p>		
QUANTITY	100 DC	CALCULATED IN ESTIMATOR

PRI LAS  
 CHI RSG  
 CO ##

[Estimate Summary](#)



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JOB: PROJECT NAME: Loft Road over Schenevus Creek Bridge  
 PIN NUMBER: 9755.19

SHEET:	OF		
CALC. BY:	LAS	DATE:	12/4/24
CHECKED BY:	RSG	DATE:	12/5/24
ITEM NUMBER:	698.05 - 1		

ITEM 698.05		
FUEL PRICE ADJUSTMENT (DC)		
SEE EI 07-024		
<p><b>698-3.02 Fuel Price Adjustment.</b> The fuel price adjustment will be based solely on the price changes for fuel as determined by the formulas below. No adjustment will be made if the monthly average posted price is within \$0.10 per gallon of the fuel index price. No consideration will be given to the situation where an individual supplier's price exceeds the monthly average posted price.</p> <p><b>A. Prices.</b> The fuel index price and the monthly average posted price are defined as follows:</p> <ol style="list-style-type: none"> <li><b>1. Fuel Index Price.</b> A price per gallon of fuel used solely as a basis from which to compute fuel price adjustments. The fuel index price for original contract bid price items and additional work at the original contract bid price will be the monthly average posted price for the month of the bid letting. The fuel index price for additional work at agreed price will be the monthly average posted price for the month the agreed price was submitted to the Engineer.</li> <li><b>2. Monthly Average Posted Price.</b> An average refinery or terminal price based on prices for ultra low sulfur diesel (ULSD) and gasoline.</li> </ol> <p><b>B. Quantity.</b> The quantity of fuel in gallons considered for adjustment will be determined by multiplying the quantity of eligible work completed by the fuel usage factor which are listed in the Special Note entitled <i>Fuel Price Adjustment</i>.</p> <p><b>C. Adjustment.</b> Fuel price adjustment will be based on the following formulas:</p> <ol style="list-style-type: none"> <li><b>1. When price increases:</b>        Price Adjustment = (Quantity of Fuel) x (Monthly Average Posted Price - Fuel Index Price - \$0.10)</li> <li><b>2. When price decreases:</b>        Price Adjustment = (Quantity of Fuel) x (Monthly Average Posted Price - Fuel Index Price + \$0.10)</li> </ol>		
QUANTITY	100 DC	CALCULATED IN ESTIMATOR

PR| LAS  
 CH RSG  
 CO ##

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JOB: **PROJECT NAME: Loft Road over Schenevus Creek Bridge**  
**PIN NUMBER: 9755.19**

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SHEET: OF  
 CALC. BY: RSG DATE: 3/3/26  
 CHECKED BY: LAS DATE: 3/31/26  
 ITEM NUMBER: 699.040001 - 1

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<u>ITEM NO.</u>	<u>DESCRIPTION</u>	<u>UNITS</u>
699.040001	MOBILIZATION	LS
Total Minus Mob	\$3,840,200.15	
4% Max	\$153,608.01	QTY 153400.00
Cant Exceed 4% Total minus Mob		ROUNDING 0
		TOTAL 153400.00