
 Thruway Authority	Rehabilitation of Rte. 7 Bridge	DATE:	08/05/2025
	over the Thruway (I-90)		
	MP 158.54	PREPARED BY:	P. MULKERN
	Albany County	CHECKED BY:	L. TAN
	A52904	COMP DATE:	02/22/2024

ITEM 202.2202 (SF)					
REMOVAL OF STEEL SUPPORTED STRUCTURAL SLABS (WITH SHEAR CONNECTORS) - TYPE A					
DESCRIPTION	Width (ft)	Length (ft)			Area (SF)
Deck Replacement - Centerline of Bearing	70	208			14,560.00
Deck Replacement - CL Bearing to Begin Backwall CL	70	2.25			157.50
Deck Replacement - CL Bearing to End Backwall CL	70	2.25			157.50
Begin Abutment Headwall	1.5	67.25			100.88
End Abutment Headwall	1.5	67.00			100.50
Total:					15,076

SAY:	15,077
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Notes:

	Rehabilitation of Rte. 7 Bridge	DATE:	08/05/2025
	over the Thruway (I-90)		
	MP 158.54	PREPARED BY:	P. MULKERN
	Albany County	CHECKED BY:	L. TAN
	A52904	COMP DATE:	02/22/2024


ITEM 203.02 (CY)					
UNCLASSIFIED EXCAVATION AND DISPOSAL					
DESCRIPTION	Width (ft)	~Length (ft)	Depth (ft)		Volume (CY)
Existing South Approach Slab Main Travel Way	72.0	37.5	1.0		100.00
Existing North Approach Slab Travel Way	72.0	40.25	1.0		107.33
Proposed South Sleeper Slab	48.0	6.00	1.0		10.67
Proposed North Sleeper Slab	48.0	6.00	1.0		10.67
	Arc Length (ft)	Depth (ft)	Section Area (sf)	Length (ft)	
NW Approach Stone Gutter	11.5	2.75	15.5	12.0	6.89
NE Approach Stone Gutter	11.5	2.75	15.5	12.0	6.89
SW Approach Stone Gutter	11.5	2.75	15.5	12.0	6.89
SE Approach Stone Gutter	11.5	2.75	15.5	12.0	6.89
Total:					256.22
SAY:					257

Notes:

Dimensions are approximate to match existing limits of bridge joints

Excavation for subbase below approach slab and sleeper slabs

See Plan ST-32 for gutter section

	Rehabilitation of Rte. 7 Bridge	DATE:	08/05/2025
	over the Thruway (I-90)		
	MP 158.54	PREPARED BY:	P. MULKERN
	Albany County	CHECKED BY:	L. TAN
	A52904	COMP DATE:	02/22/2024

ITEM 203.03 (CY)					
EMBANKMENT IN PLACE					
DESCRIPTION	Width (ft)	~Length (ft)	Depth (ft)	Shape Factor (Triangle)	Volume (CY)
Begin Left Approach	0.8	19.0	0.5	0.5	0.26
Begin Right Approach	0.8	12.50	0.5	0.5	0.17
End Left Approach	0.8	19.50	0.5	0.5	0.27
End Right Approach	0.8	13.50	0.5	0.5	0.19
NW Approach Embankment	60.0	12.00	0.5	0.5	13.33
NE Approach Embankment	60.0	12.00	0.5	0.5	13.33
SW Approach Embankment	60.0	12.00	0.5	0.5	13.33
SE Approach Embankment	60.0	12.00	0.5	0.5	13.33
Total:					54.23
SAY:					55

Notes:
 Dimensions are approximate.



Thruway
Authority

Rehabilitation of Rte. 7 Bridge
over the Thruway (I-90)
MP 158.54
Albany County
A52904

DATE: 08/05/2025

PREPARED BY: P. MULKERN

CHECKED BY: L. TAN

COMP DATE: 02/22/2024

ITEM 207.26 (SY)

PREFABRICATED COMPOSITE STRUCTURAL DRAIN

DESCRIPTION		Depth (ft)	Length (ft)		Area (SY)
Begin Backwall		1.00	68		7.56
End Backwall		1.00	67		7.44
Total:					15.00

SAY: 15



**Thruway
Authority**

Rehabilitation of Rte. 7 Bridge
over the Thruway (I-90)
MP 158.54
Albany County
A52904

DATE: 08/05/2025

PREPARED BY: P. MULKERN

CHECKED BY: L. TAN

COMP DATE: 02/15/2024



ITEM 209.13 (LF)

SILT FENCE

DESCRIPTION	Length	Total Quantity
NW Approach Embankment	60	60.00
NE Approach Embankment	55	55.00
SW Approach Embankment	60	60.00
SE Approach Embankment	55	55.00
Total:		230.00

SAY: 230

Notes:

 	Rehabilitation of Rte. 7 Bridge	DATE:	08/05/2025
	over the Thruway (I-90)		
	MP 158.54	PREPARED BY:	P. MULKERN
	Albany County	CHECKED BY:	L. TAN
	A52904	COMP DATE:	02/22/2024

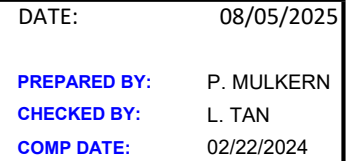
ITEM 304.12 (CY)					
SUBBASE COURSE, TYPE 2					
DESCRIPTION	Width (ft)	~Length (ft)	Depth (ft)		Volume (CY)
Begin Approach Slab	71.0	16.375	1.0		43.06
End Approach Slab	71.0	16.835	1.0		44.27
Begin Asphalt Subbase	72.0	40.00	1.0		106.67
End Asphalt Subbase	72.0	40.00	1.0		106.67
Total:					300.66

SAY:	301
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Notes:

Dimensions are approximate to match existing limits of bridge joints

Excavation for subbase below approach slab and sleeper slabs



DESCRIPTION	Ton		%		Quantity (QU)
Top Course	36		5%		1.80
Binder Course	54		5%		2.70
Base Course	99		5%		4.95
Total:					9.5

SAY:	10
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**Thruway
Authority**

Rehabilitation of Rte. 7 Bridge
over the Thruway (I-90)
MP 158.54
Albany County
A52904

DATE: 08/05/2025

PREPARED BY: P. MULKERN

CHECKED BY: L. TAN

COMP DATE: 02/22/2024

ITEM 404.0589 (ton)
SHIM COURSE F9, ASPHALT

DESCRIPTION	Width (ft)	Depth* (ft)	Length (ft)	Volume (CF)	Quantity (TON)
Bridge Deck Shim	10	0.42	208	433.33	32.50
West Approach shim	10	0.42			
	10	0.33	50	93.75	7.03
	10	0.25	50	72.92	5.47
	10	0.17	50	52.08	3.91
	10	0.08	50	31.25	2.34
	10	0	50	10.42	0.78
East Approach shim	10	0.42			
	10	0.33	50	93.75	7.03
	10	0.25	50	72.92	5.47
	10	0.17	50	52.08	3.91
	10	0.08	50	31.25	2.34
	10	0	50	10.42	0.78
Total:					72

SAY: 72

Notes:

Assumed Density of Asphalt = 150lb/cf

Thickness of shim = depth change from -2.1% to +2.0% cross slope

*Thickest point of shim = 5in

Shim tapers to 0 at rollover point of bridge cross slope

Taper shim 1"/50ft along approaches to 0



DATE:	08/05/2025
PREPARED BY:	P. MULKERN
CHECKED BY:	L. TAN
COMP DATE:	06/03/2025

9.5 F2 TOP COURSE ASPHALT, 70 SERIES COMPACTION

DESCRIPTION	Width (ft)	Depth* (ft)	Length (ft)	Volume (CF)	Quantity (TON)
Begin Approach	72	0.17	40	240.00	18.00
End Approach	72	0.17	40	240.00	18.00
Total:					36.0

	SAY:	36
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Assumed Density of Asphalt = 150lb/cf



DATE:	08/05/2025
PREPARED BY:	P. MULKERN
CHECKED BY:	L. TAN
COMP DATE:	06/03/2025

19 F9 BINDER COURSE ASPHALT, 70 SERIES COMPACTION

DESCRIPTION	Width (ft)	Depth* (ft)	Length (ft)	Volume (CF)	Quantity (TON)
Begin Approach	72	0.25	40	360.00	27.00
End Approach	72	0.25	40	360.00	27.00
Total:					54.0

	SAY:	54
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Assumed Density of Asphalt = 150lb/cf



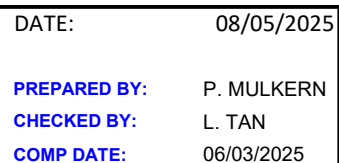
DATE:	08/05/2025
PREPARED BY:	P. MULKERN
CHECKED BY:	L. TAN
COMP DATE:	06/03/2025

37.5 F9 BASE COURSE ASPHALT, 70 SERIES COMPACTION

DESCRIPTION	Width (ft)	Depth* (ft)	Length (ft)	Volume (CF)	Quantity (TON)
Begin Approach	72	0.46	40	660.00	49.50
End Approach	72	0.46	40	660.00	49.50
Total:					99.0

	SAY:	99
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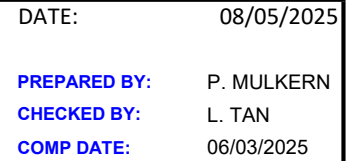
Assumed Density of Asphalt = 150lb/cf



DESCRIPTION	Width (ft)	Length (ft)	Area (sy)	# of Layers	Quantity (GAL)
Begin Approach	68	31.73	239.74	2	28.77
End Approach	68	34.95	264.07	2	31.69
Total:					60.5

Notes:

Assumptions	0.06 GAL/ SY
1 SF	0.11 SY



ASPHALT PAVEMENT JOINT ADHESIVE

DESCRIPTION	Begin Full Depth Pavement Station	End Full Depth Pavement Station	# of Lines		Length (FT)
Begin Approach	71+17.00	71+48.73	3		95.19
End Approach	73+97.05	74+32.00	3		104.85
Total:					200.0

	SAY:	201
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**Thruway
Authority**

Rehabilitation of Rte. 7 Bridge
over the Thruway (I-90)
MP 158.54
Albany County
A52904

DATE: 08/05/2025

PREPARED BY: P. MULKERN

CHECKED BY: L. TAN

COMP DATE: 02/22/2024

ITEM 490.30 (SY)

MISCELLANEOUS COLD MILLING OF BITUMINOUS CONCRETE

DESCRIPTION	Width (ft)	Depth* (ft)	Length (ft)		Area (SY)
Bridge Deck Shim	10	0.42	208		231.11
West Approach shim	10	0.42			
	10	0.33	50		55.56
	10	0.25	50		55.56
	10	0.17	50		55.56
	10	0.08	50		55.56
	10	0	50		55.56
East Approach shim	10	0.42			
	10	0.33	50		55.56
	10	0.25	50		55.56
	10	0.17	50		55.56
	10	0.08	50		55.56
	10	0	50		55.56
Total:					787

SAY: 787



Thruway
Authority

Rehabilitation of Rte. 7 Bridge
over the Thruway (I-90)
MP 158.54
Albany County
A52904

DATE: 08/05/2025

PREPARED BY: P. MULKERN

CHECKED BY: L. TAN


COMP DATE: 02/22/2024

ITEM 555.0021 (CY)
CONCRETE FOR STRUCTURES, PERFORMANCE

DESCRIPTION	Width (ft)	~Length (ft)	Depth (ft)		Volume (CY)
Begin Abutment Headwall	1.5	67.25	1.0		3.74
End Abutment Headwall	1.5	67.00	1.0		3.72
Begin Left U-wall	1.5	19.75	0.51		0.56
Begin Right U-wall	1.5	13.75	0.84		0.64
End Left U-wall	1.5	20.25	0.51		0.57
End Right U-wall	1.5	14.25	0.62		0.49
				Subtotal	9.72
Begin Abutment Pedestals					
	Width (ft)	~Length (ft)	Depth (ft)		Volume (CY)
G1	3.5	2.25	0.605		0.18
G2	3.5	2.25	0.740		0.22
G3	3.5	2.25	0.715		0.21
G4	3.5	2.25	0.685		0.20
G5	3.5	2.25	0.655		0.19
G6	3.5	2.25	0.625		0.18
G7	3.5	2.25	0.585		0.17
				Subtotal	1.34
End Abutment Pedestals					
	Width (ft)	~Length (ft)	Depth (ft)		Volume (CY)
G1	3.5	2.25	0.660		0.19
G2	3.5	2.25	0.715		0.21
G3	3.5	2.25	0.725		0.21
G4	3.5	2.25	0.745		0.22
G5	3.5	2.25	0.755		0.22
G6	3.5	2.25	0.765		0.22
G7	3.5	2.25	0.785		0.23
				Subtotal	1.50
Total:					12.57

SAY: 13

Notes:

 Thruway Authority	Rehabilitation of Rte. 7 Bridge	DATE:	08/05/2025
	over the Thruway (I-90)		
	MP 158.54	PREPARED BY:	P. MULKERN
	Albany County	CHECKED BY:	L. TAN
	A52904	COMP DATE:	02/22/2024

ITEM 555.80020001 (LF)					
CRACK REPAIR BY EPOXY INJECTION (RESTORATION)					
DESCRIPTION		Crack Width (in)			Length (LF)
Pier 1 Cap - Begin Face Crack		1/8"			4.50
End Abutment Stem Crack		3/16"			4.17
Total:					8.7

SAY:	9
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Notes:



Rehabilitation of Rte. 7 Bridge
over the Thruway (I-90)
MP 158.54
Albany County
A52904

DATE: 08/05/2025

PREPARED BY: P. MULKERN
CHECKED BY: L. TAN
COMP DATE: 02/15/2024

ITEM 556.0202 (LB)

EPOXY-COATED BAR REINFORCEMENT FOR STRUCTURES

DESCRIPTION	BAR SIZE	WEIGHT (LB/FT)	LENGTH (FT)	QTY	SUM (LB)
Begin Backwall Header - L bar	5	1.043	2.92	138.00	420.29
End Backwall Header - L bar	5	1.043	2.92	136.00	414.20
Begin Backwall Header - Longitudinal	5	1.043	66.92	4	279.18
End Backwall Header - Longitudinal	5	1.043	66.67	4	278.13
Begin Left U-wall - L bar	5	1.043	2.84	42.00	124.41
Begin Left U-wall - Longitudinal	5	1.043	19.42	2	40.50
Begin Right U-wall - L bar	5	1.043	2.84	30.00	88.86
Begin Right U-wall - Longitudinal	5	1.043	13.42	2	27.99
End Left U-wall - L bar	5	1.043	2.84	42.00	124.41
End Left U-wall - Longitudinal	5	1.043	19.92	2	41.55
End Right U-wall - L bar	5	1.043	2.84	30.00	88.86
End Right U-wall - Longitudinal	5	1.043	13.92	2	29.04
Begin Pedestals - Hook	5	1.043	2.33	56	136.29
Begin Pedestals - Hoop	5	1.043	10.00	7	73.01
End Pedestals - Hook	5	1.043	2.33	56	136.29
End Pedestals - Hoop	5	1.043	10.00	7	73.01
Total:					2,376.02

SAY: 2,377

Notes:

1.043 lb/ft

= Weight of ACI 318-14 Appendix A



Rehabilitation of Rte. 7 Bridge
over the Thruway (I-90)
MP 158.54
Albany County
A52904

DATE: 08/05/2025

PREPARED BY: P. MULKERN
CHECKED BY: L. TAN
COMP DATE: 02/15/2024

ITEM 556.0203 (LB)
GALVANIZED BAR REINFORCEMENT FOR STRUCTURES


DESCRIPTION	BAR SIZE	WEIGHT (LB/FT)	LENGTH (FT)	Spacing (ft)	Spaced Width (ft)	QTY	SUM (LB)
Light Pole Bumpout - Transverse Top	4	0.667	5.00	0.33	9.00	28.00	93.38
Light Pole Bumpout - Transverse Bottom	4	0.667	5.00	0.33	9.00	28.00	93.38
Light Pole Bumpout - Longitudinal Top - Tangent	5	1.043	3.00			1.00	3.13
Light Pole Bumpout - Longitudinal Bottom - Tangent	5	1.043	3.00			1.00	3.13
Light Pole Bumpout - Longitudinal Top - Begin Flair	5	1.043	3.35			1.00	3.50
Light Pole Bumpout - Longitudinal Bottom - Begin Flair	5	1.043	3.35			1.00	3.50
Light Pole Bumpout - Longitudinal Top - End Flair	5	1.043	3.35			1.00	3.50
Light Pole Bumpout - Longitudinal Bottom - End Flair	5	1.043	3.35			1.00	3.50
Total:							207.01

SAY: 208

Notes:

0.667 lb/ft
1.043 lb/ft
1.502 lb/ft


= Weight of #5 bar
= Weight of #5 bar
= Weight of #5 bar

 Thruway Authority	Rehabilitation of Rte. 7 Bridge	DATE:	08/05/2025
	over the Thruway (I-90)		
	MP 158.54	PREPARED BY:	P. MULKERN
	Albany County	CHECKED BY:	L. TAN
	A52904	COMP DATE:	02/26/2024

ITEM 556.03 (EA)				
SHEAR STUD CONNECTORS				
DESCRIPTION	Length (ft)	Rows	Spacing	Quantity
Girder 1	208	3	0.58	1,083.00
Girder 2	208	3	0.58	1,083.00
Girder 3	208	3	0.58	1,083.00
Girder 4	208	3	0.58	1,083.00
Girder 5	208	3	0.58	1,083.00
Girder 6	208	3	0.58	1,083.00
Girder 7	208	3	0.58	1,083.00
Total:				7,581

SAY:	7,581
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Notes:

 Thruway Authority	Rehabilitation of Rte. 7 Bridge	DATE:	08/05/2025
	over the Thruway (I-90)		
	MP 158.54	PREPARED BY:	P. MULKERN
	Albany County	CHECKED BY:	L. TAN
	A52904	COMP DATE:	02/22/2024

ITEM 557.1019 (SY)					
STRUCTURAL APPROACH SLAB WITH INTEGRAL WEARING SURFACE – TYPE 9 FRICTION					
DESCRIPTION	Width (ft)	Length #1 (ft)	Length #2 (ft)	Shape Factor (Trapezoid)	Area (SY)
South Approach Slab	71	19.0	12.5	0.5	124.25
North Approach Slab	71	19.5	13.5	0.5	130.17
South Sleeper Slab	71	6			47.33
North Sleeper Slab	71	6			47.33
Total:					349


SAY:	350
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[Notes:](#)

 Thruway Authority	Rehabilitation of Rte. 7 Bridge	DATE:	08/05/2025
	over the Thruway (I-90)		
	MP 158.54	PREPARED BY:	P. MULKERN
	Albany County	CHECKED BY:	L. TAN
	A52904	COMP DATE:	02/22/2024

ITEM 557.1119 (SY)					
SUPERSTRUCTURE SLAB WITH INTEGRAL WEARING SURFACE, BOTTOM FORMWORK REQUIRED - TYPE 9 FRICTION					
DESCRIPTION	Width (ft)	Length (ft)			Area (SY)
Deck Replacement - Centerline of Bearing	70	208			1,617.78
Deck Replacement - CL Bearing to Begin Backwall CL	70	2.00			15.56
Deck Replacement - CL Bearing to End Backwall CL	70	2.00			15.56
Total:					1,649
SAY:					1,649


Notes:

 Thruway Authority	Rehabilitation of Rte. 7 Bridge	DATE:	08/05/2025
	over the Thruway (I-90)		
	MP 158.54	PREPARED BY:	P. MULKERN
	Albany County	CHECKED BY:	L. TAN
	A52904	COMP DATE:	02/22/2024

ITEM 557.29 (SY)					
WINTER SURFACE TREATMENT - SUPERSTRUCTURE SLABS AND STRUCTURAL APPROACH SLABS					
DESCRIPTION	Width (ft)	Length (ft)			Area (SY)
Deck Slab overlay	70	212			1,648.89
South Approach Slab	71	19			149.89
North Approach Slab	71	20			153.83
South Sleeper Slab	71	2			15.78
North Sleeper Slab	71	2			15.78
Total:					1,984

SAY:	1,985
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Notes:

 Thruway Authority	Rehabilitation of Rte. 7 Bridge	DATE:	08/05/2025
	over the Thruway (I-90)		
	MP 158.54	PREPARED BY:	P. MULKERN
	Albany County	CHECKED BY:	L. TAN
	A52904	COMP DATE:	02/22/2024

ITEM 557.30 (SY)					
SIDEWALKS AND SAFETY WALKS					
DESCRIPTION	Width (ft)	Length (ft)			Area (SY)
Stage 1 Safety Walk	1.67	248.0			45.93
Stage 2 Safety Walk	1.67	236.8			43.86
Total:					89.78

SAY:	90
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Notes:

 Thruway Authority	Rehabilitation of Rte. 7 Bridge	DATE:	08/05/2025
	over the Thruway (I-90)		
	MP 158.54	PREPARED BY:	P. MULKERN
	Albany County	CHECKED BY:	L. TAN
	A52904	COMP DATE:	02/22/2024

ITEM 558.02 (SY)					
LONGITUDINAL SAWCUT GROOVING OF STRUCTURAL SLAB SURFACE					
DESCRIPTION	Width (ft)	Length (ft)			Area (SY)
Deck Slab overlay	66	212			1,554.67
South Approach Slab	71	19			149.89
North Approach Slab	71	20			153.83
Total:					1,858

SAY:	1,859
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Notes:

 Thruway Authority	Rehabilitation of Rte. 7 Bridge	DATE:	08/05/2025
	over the Thruway (I-90)		
	MP 158.54	PREPARED BY:	P. MULKERN
	Albany County	CHECKED BY:	L. TAN
	A52904	COMP DATE:	02/22/2024

ITEM 559.01 (SF)

**PROTECTIVE SEALING OF STRUCTURAL CONCRETE ON NEW BRIDGE, DECKS
AND BRIDGE DECK OVERLAYS**

DESCRIPTION	Width (ft)	Length #1 (ft)	Length #2 (ft)	Shape Factor (Trapezoid)	Area (SF)
Deck Slab overlay	73	212			15,476.00
South Approach Slab	71	19.0	12.5	0.5	1,118.25
North Approach Slab	71	19.5	13.5	0.5	1,171.50
South Sleeper Slab	71	2			142.00
North Sleeper Slab	71	2			142.00
Total:					18,050

SAY:	18,050
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Notes:



Rehabilitation of Rte. 7 Bridge
over the Thruway (I-90)
MP 158.54
Albany County
A52904

DATE: 08/05/2025
PREPARED BY: P. MULKERN
CHECKED BY: L. TAN
COMP DATE: 02/22/2024

ITEM 559.02 (SF)


PROTECTIVE SEALING OF NEW STRUCTURAL CONCRETE

DESCRIPTION	Width (ft)	Length (ft)	Qty		Area (SF)
Begin Abutment					
Stem Wall - Right Corner Spall	1.00	2.17	1		2.17
Stem Wall - Face	1.00	1.30	1		1.30
Stem Wall - Face	0.50	0.80	1		0.40
Stem Wall - Face	1.50	1.20	1		1.80
Stem Wall - Face	1.50	1.50	1		2.25
Stem Wall - Face	1.80	0.80	1		1.44
Backwall - Face	1.20	0.80	1		0.96
Backwall Reconstruction - Face	67.25	0.92	2		123.29
Backwall Reconstruction - Top	67.25	1.50	1		100.88
S.W Wingwall Reconstruction - Face	13.75	0.50	2		13.75
S.W Wingwall Reconstruction - Top	13.75	1.50	1		20.63
N.W Wingwall Reconstruction - Face	19.75	0.50	2		19.75
N.W Wingwall Reconstruction - Top	19.75	1.50	1		29.63
Pedestals - Top	3.50	2.25	7		55.13
Pedestals - Front	3.50	0.50	7		12.25
Pedestals - Sides	2.25	0.50	14		15.75
				Subtotal	401.36
Pier					
Pier Cap - Begin Face	1.33	1.50			2.00
Pier Cap - Begin Face	0.58	1.00			0.58
Pier Cap - Begin Face	7.33	1.33			9.78
Pier Cap - Begin Face	1.33	0.50			0.67
Pier Cap - Begin Face	1.67	1.33			2.22
Pier Column - Begin Face	2.42	1.00			2.42
Pier Column - Begin Face	5.67	3.50			19.83
Pier Column - Begin Face	1.25	1.33			1.67
Pier Column - Begin Face	1.00	3.00			3.00
Pier Column - End Face	1.50	1.00			1.50
Pier Column - End Face	1.25	0.75			0.94
Pier Column - End Face	0.58	1.00			0.58
Pedestal 5 - Top	0.33	0.83			0.28
Pedestal 5 - Side	2.00	0.42			0.83
Pedestal 7 - Begin Face	0.83	0.33			0.28
Pedestal 7 - Begin Face	0.83	0.50			0.42
				Subtotal	46.99

End Abutment					
Stem Wall - Top	4.50	1.00	1		4.50
Stem Wall - Top	3.00	0.50	1		1.50
Stem Wall - Top	0.80	0.60	1		0.48
Stem Wall - Top	4.17	1.50	1		6.25
Stem Wall - Face	4.50	0.33	1		1.50
Stem Wall - Face	3.00	0.50	1		1.50
Backwall Reconstruction - Face	67.00	0.92	2		122.83
Backwall Reconstruction - Top	67.00	1.50	1		100.50
N.E Wingwall Reconstruction - Face	20.25	0.50	2		20.25
N.E Wingwall Reconstruction - Top	20.25	1.50	1		30.38
S.E Wingwall Reconstruction - Face	14.25	0.50	2		14.25
S.E Wingwall Reconstruction - Top	14.25	1.50	1		21.38
Pedestals - Top	3.50	2.25	7		55.13
Pedestals - Front	3.50	0.50	7		12.25
Pedestals - Sides	2.25	0.50	14		15.75
				Subtotal	408.44
Total:					856.79


SAY:	857
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[Notes:](#)

 Thruway Authority	Rehabilitation of Rte. 7 Bridge	DATE:	08/05/2025
	over the Thruway (I-90)		
	MP 158.54	PREPARED BY:	P. MULKERN
	Albany County	CHECKED BY:	L. TAN
	A52904	COMP DATE:	04/25/2025


ITEM 564.0501 (LS)			
STRUCTURAL STEEL, TYPE 1			
DESCRIPTION			
			1.00
Total:			1
SAY:			1

Notes:

 Thruway Authority	Rehabilitation of Rte. 7 Bridge	DATE:	08/05/2025
	over the Thruway (I-90)		
	MP 158.54	PREPARED BY:	P. MULKERN
	Albany County	CHECKED BY:	L. TAN
	A52904	COMP DATE:	04/25/2025


ITEM 564.11000010 (EA)				
REMOVE, STORE AND RESET DIAPHRAGMS ON STRUCTURE				
DESCRIPTION				Each
End Abutment	Bay 1			1.00
	Bay 2			1.00
	Bay 3			1.00
	Bay 4			1.00
	Bay 5			1.00
	Bay 6			1.00
Begin Abutment	Bay 1			1.00
	Bay 2			1.00
	Bay 3			1.00
	Bay 4			1.00
	Bay 5			1.00
	Bay 6			1.00
Bay 3 Diaphragms during staging				9.00
(exlcuding end diaphragms)				
Total:				21
SAY:				21

[Notes:](#)

 Thruway Authority	Rehabilitation of Rte. 7 Bridge	DATE:	08/05/2025
	over the Thruway (I-90)		
	MP 158.54	PREPARED BY:	P. MULKERN
	Albany County	CHECKED BY:	L. TAN
	A52904	COMP DATE:	02/26/2024

ITEM 565.2034 (EA)			
TYPE E.B. EXPANSION BEARING (0 TO 225 KIPS)			
DESCRIPTION			Each
Begin Abutment			7.00
End Abutment			7.00
Total:			14
SAY:			14

Notes:

 Thruway Authority	Rehabilitation of Rte. 7 Bridge	DATE:	08/05/2025
	over the Thruway (I-90)		
	MP 158.54	PREPARED BY:	P. MULKERN
	Albany County	CHECKED BY:	L. TAN
	A52904	COMP DATE:	02/22/2024

ITEM 567.51010003 (LF)			
SAWING OR FORMING AND SEALING JOINTS BETWEEN BRIDGE DECKS AND APPROACH SLABS			
DESCRIPTION			Length (ft)
Begin Approach Slab - Deck Interface			70.00
End Approach Slab - Deck Interface			70.00
Total:			140

SAY:	140
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Notes:



**Thruway
Authority**

Rehabilitation of Rte. 7 Bridge
over the Thruway (I-90)
MP 158.54
Albany County
A52904

DATE: 08/06/2025

PREPARED BY: P. MULKERN

CHECKED BY: L. TAN

COMP DATE: 08/04/2025


ITEM 567.63 (LF)

**SAWING OR FORMING AND SEALING JOINTS BETWEEN BRIDGE DECKS AND
APPROACH SLABS**

DESCRIPTION			Length (ft)
Begin Approach Slab/sleeper slab joint			71.00
End Approach Slab/sleeper slab joint			71.00
Total:			142

SAY:	142
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Notes:

 Thruway Authority	Rehabilitation of Rte. 7 Bridge	DATE:	08/05/2025
	over the Thruway (I-90)		
	MP 158.54	PREPARED BY:	P. MULKERN
	Albany County	CHECKED BY:	L. TAN
	A52904	COMP DATE:	02/26/2024

ITEM 568.54 (LF)			
STEEL BRIDGE RAILING (THREE RAIL)			
DESCRIPTION			Quantity
Left Fascia			248.00
Right Fascia			236.83
Total:			485

SAY:	485
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[Notes:](#)
 Dimensions are approximate to match post spacings.

 Thruway Authority	Rehabilitation of Rte. 7 Bridge	DATE:	08/05/2025
	over the Thruway (I-90)		
	MP 158.54	PREPARED BY:	P. MULKERN
	Albany County	CHECKED BY:	L. TAN
	A52904	COMP DATE:	02/26/2024

ITEM 568.70 (LF)			
TRANSITION BRIDGE RAILING			
DESCRIPTION			Quantity
Begin left			32.00
Begin Right			32.00
End left			32.00
End Right			32.00
Total:			128

SAY:	128
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Notes:

 Thruway Authority	Rehabilitation of Rte. 7 Bridge	DATE:	08/05/2025
	over the Thruway (I-90)		
	MP 158.54	PREPARED BY:	P. MULKERN
	Albany County	CHECKED BY:	L. TAN
	A52904	COMP DATE:	02/26/2024

ITEM 571.04 (LB)					
DISPOSAL OF NON-HAZARDOUS INDUSTRIAL SOLID PAINT REMOVAL WASTE					
DESCRIPTION	PAINT SURFACE AREA (SF)	ESTIMATED DRUMS NEEDED	Weight per drum (LB)		Total Weight
Painting Weathering Steel	24344	37	500		18500
.					
Total:					18500
SAY:					19000

Notes:

Assume 10,000SF surface area = (15) 55 gallon drums, per TEM 4.4.20



**Thruway
Authority**

Rehabilitation of Rte. 7 Bridge
over the Thruway (I-90)
MP 158.54
Albany County
A52904

DATE: 08/05/2025

PREPARED BY: P. MULKERN

CHECKED BY: L. TAN

COMP DATE: 02/22/2024



ITEM 580.01 (CY)
REMOVAL OF STRUCTURAL CONCRETE

DESCRIPTION	Width (ft)	~Length (ft)	Depth (ft)		Volume (CY)
Begin Left U-wall	1.5	19.75	2.2		2.45
Begin Right U-wall	1.5	13.75	2.1		1.62
End Left U-wall	1.5	20.25	2.1		2.39
End Right U-wall	1.5	14.25	2.1		1.68
				Subtotal	8.14
Begin Abutment Pedestals					
	Width (ft)	~Length (ft)	Depth (ft)		Volume (CY)
G1	3.0	2.25	0.748		0.19
G2	3.0	2.25	0.816		0.20
G3	3.0	2.25	0.809		0.20
G4	3.0	2.25	0.782		0.20
G5	3.0	2.25	0.795		0.20
G6	3.0	2.25	0.809		0.20
G7	3.0	2.25	0.842		0.21
				Subtotal	1.40
End Abutment Pedestals					
	Width (ft)	~Length (ft)	Depth (ft)		Volume (CY)
G1	3.0	2.25	0.659		0.16
G2	3.0	2.25	0.717		0.18
G3	3.0	2.25	0.733		0.18
G4	3.0	2.25	0.699		0.17
G5	3.0	2.25	0.695		0.17
G6	3.0	2.25	0.692		0.17
G7	3.0	2.25	0.648		0.16
				Subtotal	1.21
SAY:					11

Notes:

08/05/2025

sheet 52 of 95

 	Rehabilitation of Rte. 7 Bridge	DATE:	08/05/2025
	over the Thruway (I-90)		
	MP 158.54	PREPARED BY:	P. MULKERN
	Albany County	CHECKED BY:	L. TAN
	A52904	COMP DATE:	02/22/2024

ITEM 580.04 (SF)					
REMOVAL OF CONCRETE APPROACH SLAB					
DESCRIPTION					Area (sf)
Existing Begin Stage 1 Removal					1,086.00
Existing Begin Stage 2 Removal					1,193.00
Existing End Stage 1 Removal					1,107.00
Existing End Stage 2 Removal					1,160.00
Total:					4,546.00

SAY:	4,546
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Notes:



Rehabilitation of Rte. 7 Bridge
over the Thruway (I-90)
MP 158.54
Albany County
A52904

DATE: 08/05/2025

PREPARED BY: P. MULKERN
CHECKED BY: L. TAN
COMP DATE: 02/22/2024

ITEM 582.0051 (CY)


REMOVAL AND REPLACEMENT OF STRUCTURAL CONCRETE

DESCRIPTION	Width (ft)	Length (ft)	Assumed Depth (ft)	Diameter (ft)	Quantity (CY)
End Abutment					
Area 1	1.00	2.17	0.33		0.026
Area 2	1.00	1.30	0.33		0.016
Area 3	1.50	0.80	0.33		0.015
Area 4	1.50	1.20	0.33		0.022
Area 5	1.50	1.50	0.33		0.028
Area 6	1.80	0.80	0.33		0.018
Area 7	1.20	0.80	0.33		0.012
				Subtotal	0.136
Pier - Begin Face					
Area 1	0.30	0.80	0.33		0.003
Area 2	2.40	1.00	0.33		0.030
Area 3	5.70	3.50	0.33		0.246
Area 4	1.30	1.50	0.33		0.024
Area 5	2.50	2.50	0.33		0.077
Area 6	1.20	1.30	0.33		0.019
Area 7	2.00	1.40	0.33		0.034
Area 8	7.30	1.33	0.33		0.119
Area 9	0.80	0.33	0.33		0.003
Area 10	0.80	0.50	0.33		0.005
Area 11	1.70	1.30	0.33		0.027
Area 12	1.30	0.50	0.33		0.008
Area 13	1.00	3.00	0.33		0.037
	0.50	4.00	0.33		0.024
				Subtotal	0.656
Pier - End Face					
Area 1	0.83	0.54	0.21		0.003
Area 2	1.50	1.00	0.33		0.018
Area 3	1.25	0.70	0.33		0.011
Area 4	0.60	0.90	0.33		0.007
Area 5		1.20	0.33	0.33	0.001
Area 6	0.50	1.00	0.33		0.006
				Subtotal	0.046

End Abutment					
Area 1	4.50	1.00	0.33		0.055
Area 2	4.50	0.33	0.33		0.018
Area 3	3.00	0.50	0.33		0.018
Area 4	3.00	0.50	0.33		0.018
				Subtotal	0.110
Total:					0.95


SAY:	1
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[Notes:](#)

 Thruway Authority	Rehabilitation of Rte. 7 Bridge	DATE:	08/05/2025
	over the Thruway (I-90)		
	MP 158.54	PREPARED BY:	P. MULKERN
	Albany County	CHECKED BY:	L. TAN
	A52904	COMP DATE:	02/26/2024


ITEM 585.01 (EA)			
STRUCTURAL LIFTING OPERATIONS			
DESCRIPTION			Each
Begin Abutment			7.00
End Abutment			7.00
Total:			14
SAY:			14

Notes:

 Thruway Authority	Rehabilitation of Rte. 7 Bridge	DATE:	08/05/2025
	over the Thruway (I-90)		
	MP 158.54	PREPARED BY:	P. MULKERN
	Albany County	CHECKED BY:	L. TAN
	A52904	COMP DATE:	02/26/2024

ITEM 586.0201 (EA)				
DRILLING AND GROUTING OF BOLTS AND REINFORCEMENT BARS				
DESCRIPTION	Length (ft)	Number	Spacing (ft)	Each
Begin Backwall U-Bars	67.25	2	1	138.00
End Backwall U-Bars	67.00	2	1	136.00
Begin Left U-Bars	19.75	2	1	42.00
Begin Right U-Bars	13.75	2	1	30.00
End Left U-Bars	20.25	2	1	42.00
End Right U-Bars	14.25	2	1	30.00
Pedestals	# of rebars per pedestal	Number		
Begin Abutment	8.00	7		56.00
End Abutment	8	7		56.00
Total:				530
SAY:				530

[Notes:](#)

 Thruway Authority	Rehabilitation of Rte. 7 Bridge	DATE:	08/05/2025
	over the Thruway (I-90)		
	MP 158.54	PREPARED BY:	P. MULKERN
	Albany County	CHECKED BY:	L. TAN
	A52904	COMP DATE:	02/26/2024


ITEM 586.10 (EA)

FIELD DRILL HOLES IN EXISTING STRUCTURAL STEEL

DESCRIPTION	Location				Total Holes
Girder 1 Web Repair	End Abutment				28
Girder 2 Web Repair	End Abutment				28
Girder 3 Web Repair	End Abutment				28
Girder 4 Web Repair	End Abutment				28
Girder 5 Web Repair	End Abutment				28
Girder 6 Web Repair	End Abutment				28
Girder 7 Web Repair	End Abutment				28
Girder 1 Web Repair	Begin Abutment				28
Girder 2 Web Repair	Begin Abutment				28
Girder 3 Web Repair	Begin Abutment				28
Girder 4 Web Repair	Begin Abutment				28
Girder 5 Web Repair	Begin Abutment				28
Girder 6 Web Repair	Begin Abutment				28
Girder 7 Web Repair	Begin Abutment				28
Total:					392


SAY:	392
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Notes:

 Thruway Authority	Rehabilitation of Rte. 7 Bridge	DATE:	08/05/2025
	over the Thruway (I-90)		
	MP 158.54	PREPARED BY:	P. MULKERN
	Albany County	CHECKED BY:	L. TAN
	A52904	COMP DATE:	02/26/2024

ITEM 606.10 (LF)			
BOX BEAM GUIDE RAILING			
DESCRIPTION			Each
Begin Left Approach			18.00
Begin Right Approach			18.00
End Left Approach			18.00
End Right Approach			18.00
Total:			72
SAY:			72

Notes:


 Thruway Authority	Rehabilitation of Rte. 7 Bridge	DATE:	08/05/2025
	over the Thruway (I-90)		
	MP 158.54	PREPARED BY:	P. MULKERN
	Albany County	CHECKED BY:	L. TAN
	A52904	COMP DATE:	02/26/2024

ITEM 606.73 (LF)			
REMOVING AND DISPOSING BOX BEAM GUIDE RAILING			
DESCRIPTION			Each
Begin Left Approach			68.00
Begin Right Approach			61.83
End Left Approach			68.00
End Right Approach			63.00
Total:			261

SAY:	261
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Notes:

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 Thruway Authority	Rehabilitation of Rte. 7 Bridge	DATE:	08/05/2025
	over the Thruway (I-90)		
	MP 158.54	PREPARED BY:	P. MULKERN
	Albany County	CHECKED BY:	L. TAN
	A52904	COMP DATE:	02/26/2024

ITEM 607.06110025 (LF)			
PROTECTIVE SCREENING-BRIDGES			
DESCRIPTION			Each
Left Fascia			248.00
Right Fascia			236.83
Total:			485

SAY:	485
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Notes:

Dimensions are approximate to match post spacings.

 Thruway Authority	Rehabilitation of Rte. 7 Bridge	DATE:	08/05/2025
	over the Thruway (I-90)		
	MP 158.54	PREPARED BY:	P. MULKERN
	Albany County	CHECKED BY:	L. TAN
	A52904	COMP DATE:	02/26/2024

ITEM 608.000013 (QU)			
PLANT PRODUCTION QUALITY ADJUSTMENT TO ASPHALT SIDEWALKS, DRIVEWAYS, BICYCLE PATHS, AND VEGETATION CONTROL STRIPS			
TOTAL QUANTITY 608.020102	QA FACTOR		QU
24.00	0.05		1.20
Total:			1

SAY:	2
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[Notes:](#)

<div style="display: inline-block; vertical-align: middle; margin-left: 10px;"> Thruway Authority </div>	Rehabilitation of Rte. 7 Bridge over the Thruway (I-90) MP 158.54 Albany County A52904	DATE: 08/05/2025 PREPARED BY: P. MULKERN CHECKED BY: L. TAN COMP DATE: 02/22/2024

ITEM 608.020102 (TON)							
ASPHALT SIDEWALKS, DRIVEWAYS AND BICYCLE PATHS,AND VEGETATION CONTROL STRIPS							
DESCRIPTION	Depth (in)	Width (ft)	Transition Rail Length (ft)	Approach Guide Rail Length (ft)	Total Volume (CF)		Total Quantity (TON)
Begin Left Approach	4	2.00	32	18	33.33		2.50
Begin Right Approach	4	2.00	32	18	33.33		2.50
End Left Approach	4	2.00	32	18	33.33		2.50
End Right Approach	4	2.00	32	18	33.33		2.50
Begin Left Approach Start Flare	4	3.21	12.00		12.83		0.96
Begin Right Approach Start Flare	4	3.21	12.00		12.83		0.96
End Left Approach Start Flare	4	3.21	12.00		12.83		0.96
End Right Approach Start Flare	4	3.21	12.00		12.83		0.96
Begin Left Approach extra backing	4	2.42	22.00		17.72		1.33
Begin Right Approach extra backing	4	2.42	22.00		17.72		1.33
End Left Approach extra backing	4	2.42	22.00		17.72		1.33
End Right Approach extra backing	4	2.42	22.00		17.72		1.33
Begin Left Approach End Flare	4	3.21	15.00		16.04		1.20
Begin Right Approach End Flare	4	3.21	15.00		16.04		1.20
End Left Approach End Flare	4	3.21	15.00		16.04		1.20
End Right Approach End Flare	4	3.21	15.00		16.04		1.20
Total:							23.98
SAY:							24

Notes:

Assume density of vegetative control strip = 150 lb/cf

 Thruway Authority	Rehabilitation of Rte. 7 Bridge	DATE:	08/05/2025
	over the Thruway (I-90)		
	MP 158.54	PREPARED BY:	P. MULKERN
	Albany County	CHECKED BY:	L. TAN
	A52904	COMP DATE:	05/21/2025

ITEM 609.0301 (LF)	
STONE CURB - BRIDGE (TYPE A)	
DESCRIPTION	Length (ft)
Begin Left Approach	14.00
Begin Right Approach	14.00
End Left Approach	14.00
End Right Approach	14.00
Total:	56.00

SAY:	56
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Notes:



Rehabilitation of Rte. 7 Bridge
over the Thruway (I-90)
MP 158.54
Albany County
A52904

DATE: 08/05/2025

PREPARED BY: P. MULKERN
CHECKED BY: L. TAN
COMP DATE: 05/21/2025

ITEM 609.0302 (LF)
STONE CURB - BRIDGE (TYPE F1)

DESCRIPTION	Length (ft)
Begin Left Approach	19.00
Begin Right Approach	12.50
End Left Approach	19.50
End Right Approach	13.50
Left Fascia	212.00
Right Fascia	212.00
Total:	488.50

SAY:	489
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Notes:



**Thruway
Authority**

Rehabilitation of Rte. 7 Bridge
over the Thruway (I-90)
MP 158.54
Albany County
A52904

DATE: 08/05/2025

PREPARED BY: P. MULKERN

CHECKED BY: L. TAN

COMP DATE: 02/15/2024

ITEM 610.1402 (CY)
TOPSOIL - ROADSIDE

DESCRIPTION	Length	Depth (in)	Width	Volume (CY)
NW Approach Embankment	12	4	60	8.89
NE Approach Embankment	12	4	60	8.89
SW Approach Embankment	12	4	60	8.89
SE Approach Embankment	12	4	60	8.89
Total:				35.56

SAY: 36

Notes:



**Thruway
Authority**

Rehabilitation of Rte. 7 Bridge
over the Thruway (I-90)
MP 158.54
Albany County
A52904

DATE: 08/05/2025

PREPARED BY: P. MULKERN

CHECKED BY: L. TAN


COMP DATE: 02/15/2024

ITEM 610.1601 (sy)
TURF ESTABLISHMENT

DESCRIPTION	Length	Width	Volume (SY)
NW Approach Embankment	12	60	80.00
NE Approach Embankment	12	60	80.00
SW Approach Embankment	12	60	80.00
SE Approach Embankment	12	60	80.00
Total:			320.00

SAY: 320

Notes:

 Thruway Authority	Rehabilitation of Rte. 7 Bridge	DATE:	08/05/2025
	over the Thruway (I-90)		
	MP 158.54	PREPARED BY:	P. MULKERN
	Albany County	CHECKED BY:	L. TAN
	A52904	COMP DATE:	05/13/2025

ITEM 619.04 (EA)				
TYPE III CONSTRUCTION BARRICADE				
DESCRIPTION				Each
East Bound Lane Close signage				4.00
Total:				4

SAY:	4
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[Notes:](#)



Thruway
Authority

Rehabilitation of Rte. 7 Bridge
over the Thruway (I-90)
MP 158.54
Albany County
A52904

DATE: 08/05/2025

PREPARED BY: P. MULKERN
CHECKED BY: L. TAN
COMP DATE: 02/26/2024


ITEM 619.080101 (LF)

REMOVE EXISTING PAVEMENT MARKING STRIPES, TRAFFIC PAINT

DESCRIPTION					Total Length (LF)
Stage 2					
Left Travel Lane - White Edge Line					1,731.00
Right Travel Lane - White Edge Line					1,731.00
Double Yellow	x2				855.00
Double Yellow	x4				5,212.00
East Turning lane divide					202.00
East dotted line					555.00
Stage 4					
Left Travel Lane Edge Line					1,690.00
Right Travel Lane Edge Line					1,680.00
Double Yellow	x2				3,380.00
Double Yellow	x4				4,695.00
East Turning lane divide					202.00
East dotted line					495.00
West Approach Crosswalk 1 (including legs)					790.00
West Approach Crosswalk 2 (including legs)					790.00
West Approach Stopbar					120.00
East Approach Crosswalk 1 (including legs)					470.00
East Approach Crosswalk 2 (including legs)					390.00
Total:					24,988

SAY: 24,988

Notes:


 Thruway Authority	Rehabilitation of Rte. 7 Bridge	DATE:	08/05/2025
	over the Thruway (I-90)		
	MP 158.54	PREPARED BY:	P. MULKERN
	Albany County	CHECKED BY:	L. TAN
	A52904	COMP DATE:	02/26/2024

ITEM 619.080102 (LF)					
REMOVE EXISTING PAVEMENT MARKING STRIPES, EPOXY					
DESCRIPTION					Total Length (LF)
Stage 1					
Left Travel Lane Edge Line					1,686
Right Travel Lane Edge Line					1,377.00
Double Yellow Left	x2				2,776.00
Double Yellow Right	x2				2,774.00
East Turning lane divide					204.00
East dotted line					380.00
	Length (ft)	Width Factor	Legs		
West Approach Stopbar	27	3			81.00
West Turning Lane divide	14	1			14.00
West Edge White for Crosswalk	9	1	3		27.00
East Edge White for Crosswalk	9	1	4		36.00
Existing gore area cross hatch	21	6	100		12,600.00
Total:					21,955

SAY:	21,955
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Notes:

Assumed cross hatch width is 2 ft wide.

 <div style="display: inline-block; vertical-align: middle;"> <div style="font-weight: bold; font-size: 1.2em;">Thruway</div> <div style="font-weight: bold;">Authority</div> </div>	Rehabilitation of Rte. 7 Bridge over the Thruway (I-90) MP 158.54 Albany County A52904	DATE: 08/05/2025 PREPARED BY: P. MULKERN CHECKED BY: L. TAN COMP DATE: 02/26/2024


ITEM 619.080201 (EA)				
REMOVE PAVEMENT MARKING LETTERS OR SYMBOLS, TRAFFIC PAINT				
DESCRIPTION			Number	Each
Stage 1				
West Approach Left Turn Arrow			1	1.00
West Approach Right Turn Arrow			1	1.00
East Approach Left Turn Arrow			0	0.00
East Approach Straight Arrow			0	0.00
Stage 2				
East Approach Left Turn Arrow			0	0.00
East Approach Straight Arrow			2	2.00
LETTERS				
Stage 1				
West Approach "Only"		4	2	8.00
East Approach "Only"		4	0	0.00
Stage 2				
East Approach "Only"		4	1	4.00
Total:				16
			SAY:	16

Notes:

 Thruway Authority	Rehabilitation of Rte. 7 Bridge	DATE:	08/05/2025
	over the Thruway (I-90)		
	MP 158.54	PREPARED BY:	P. MULKERN
	Albany County	CHECKED BY:	L. TAN
	A52904	COMP DATE:	02/26/2024

ITEM 619.080202 (EA)					
REMOVE PAVEMENT MARKING LETTERS OR SYMBOLS, EPOXY PAINT					
DESCRIPTION					Total (EA)
Stage 1					
West Approach Left Turn Arrow					1.00
West Approach Right Turn Arrow					1.00
East Approach Left Turn Arrow					2.00
East Approach Straight Arrow					0.00
West Approach "Only"					8.00
East Approach "Only"					8.00
Stage 2					
East Approach Straight Arrow					2.00
East Approach "Only"					4.00
Total:					26
SAY:					26

Notes:

 Thruway Authority	Rehabilitation of Rte. 7 Bridge	DATE:	08/05/2025
	over the Thruway (I-90)		
	MP 158.54	PREPARED BY:	P. MULKERN
	Albany County	CHECKED BY:	L. TAN
	A52904	COMP DATE:	02/26/2024


ITEM 619.08010425 (LF)

REMOVE EXISTING PAVEMENT MARKING STRIPES (6 INCH) -
REMOVABLE WET REFLECTIVE TAPE

DESCRIPTION					Total Length (LF)
Mainline					
Eastbound shift at bridge					2,335.00
Total:					2,335

SAY:	2,335
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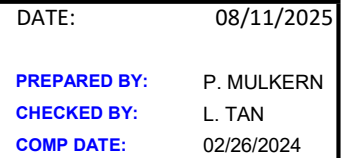
Notes:


 Thruway Authority	Rehabilitation of Rte. 7 Bridge	DATE:	08/05/2025
	over the Thruway (I-90)		
	MP 158.54	PREPARED BY:	P. MULKERN
	Albany County	CHECKED BY:	L. TAN
	A52904	COMP DATE:	02/26/2024

ITEM 619.100101 (LF)					
INTERIM PAVEMENT MARKINGS, STRIPES - (TRAFFIC PAINT)					
DESCRIPTION				Total Length (LF)	SAY (LF)
Stage 1					
Left Travel Lane Edge Line				1,730.50	1,731.00
Right Travel Lane Edge Line				1,730.50	1,731.00
Double Yellow	x2			855.00	855.00
Double Yellow	x4			5,212.00	5,212.00
East Turning lane divide				202.00	202.00
East dotted line				555.00	555.00
	Length (ft)	Width Factor	Legs		
West Approach Crosswalk 1	65	3	2	390.00	390.00
Crosswalk Ladder Legs	6	3	22	396.00	400.00
West Approach Crosswalk 2	65	3	2	390.00	390.00
Crosswalk Ladder Legs	6	3	22	396.00	400.00
West Approach Stopbar	26	4.5	1	117.00	120.00
East Approach Crosswalk 1	78	3	2	468.00	470.00
East Approach Crosswalk 2	65	3	2	390.00	390.00
Stage 2					
Left Travel Lane Edge Line				1,686.00	1,690.00
Right Travel Lane Edge Line				1,680.00	1,680.00
Double Yellow	x2			3,376.00	3,380.00
Double Yellow	x4			4,692.00	4,695.00
East Turning lane divide				202.00	202.00
East dotted line				495.00	495.00
				Total:	24,988

SAY:	24,988
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Notes:



	Rehabilitation of Rte. 7 Bridge	DATE:	08/05/2025
	over the Thruway (I-90)		
	MP 158.54	PREPARED BY:	P. MULKERN
	Albany County	CHECKED BY:	L. TAN
	A52904	COMP DATE:	05/13/2025

ITEM 619.100201 (EA)				
INTERIM PAVEMENT MARKINGS, SYMBOLS (TRAFFIC PAINT)				
DESCRIPTION			Number	Each
Stage 1				
West Approach Left Turn Arrow			1	1.00
West Approach Right Turn Arrow			1	1.00
East Approach Left Turn Arrow			0	0.00
East Approach Straight Arrow			0	0.00
Stage 2				
East Approach Left Turn Arrow			0	0.00
East Approach Straight Arrow			2	2.00
Total:				4
			SAY:	4

Notes:

 Thruway Authority	Rehabilitation of Rte. 7 Bridge	DATE:	08/05/2025
	over the Thruway (I-90)		
	MP 158.54	PREPARED BY:	P. MULKERN
	Albany County	CHECKED BY:	L. TAN
	A52904	COMP DATE:	05/13/2025

ITEM 619.100301 (EA)				
INTERIM PAVEMENT MARKINGS, LETTERS (TRAFFIC PAINT)				
DESCRIPTION		Letters	Number	Each
Stage 1				
West Approach "Only"		4	2	8.00
East Approach "Only"		4	0	0.00
Stage 2				
East Approach "Only"		4	1	4.00
Total:				12
			SAY:	12

Notes:



**Thruway
Authority**

Rehabilitation of Rte. 7 Bridge
over the Thruway (I-90)
MP 158.54
Albany County
A52904

DATE: 08/05/2025

PREPARED BY: P. MULKERN

CHECKED BY: L. TAN

COMP DATE: 05/13/2025

ITEM 619.17060025 (LF)

LINEAR DELINEATION SYSTEM

DESCRIPTION					Total Length (LF)
Eastbound shift					180
Total:					180

SAY:	180
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Notes:



**Thruway
Authority**

Rehabilitation of Rte. 7 Bridge
over the Thruway (I-90)
MP 158.54
Albany County
A52904

DATE: 08/05/2025

PREPARED BY: P. MULKERN
CHECKED BY: L. TAN
COMP DATE: 05/13/2025


ITEM 619.1711 (LF)

TEMPORARY POSITIVE BARRIER - CATEGORY 1 (PINNING PROHIBITED)

DESCRIPTION	Tangent Length (ft)	Taper Length - West (ft)	Taper Length - East (ft)		
Stage 1					
Inside Edge Line	0	320	260		580.00
Stage 2					
Inside Edge Line	340	380	300		1,020.00
Mainline	Length (ft)				
Eastbound Approach shift	320				320.00
Total:					1,920

SAY: 1,920

Notes:

 Thruway Authority	Rehabilitation of Rte. 7 Bridge	DATE:	08/05/2025
	over the Thruway (I-90)		
	MP 158.54	PREPARED BY:	P. MULKERN
	Albany County	CHECKED BY:	L. TAN
	A52904	COMP DATE:	02/26/2024

ITEM 619.1716 (LF)					
TEMPORARY POSITIVE BARRIER - CATEGORY 6 (PINNING REQUIRED)					
DESCRIPTION	Length of Work Area (ft)	Buffer Space Length - West (ft)	Buffer Space Length - East (ft)		Total Length (LF)
Stage 1					
Inside Edge Line	315	12.5	12.5		340.00
Mainline	Length (ft)				
Eastbound shift	180				180.00
Total:					520

SAY:	520
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Notes:



**Thruway
Authority**

Rehabilitation of Rte. 7 Bridge
over the Thruway (I-90)
MP 158.54
Albany County
A52904

DATE: 08/05/2025

PREPARED BY: P. MULKERN

CHECKED BY: L. TAN

COMP DATE: 02/26/2024

ITEM 619.1719 (LF)

WARNING LIGHTS ON TEMPORARY POSITIVE BARRIER

DESCRIPTION	Total Length	# of barrier units	# of lights per barrier		Total Quantity
Stage 1					
Inside Edge Line	340.00	17	2		34
Stage 2					
Inside Edge Line	1,020.00	51	2		102
Total:					136

SAY: 136

Notes:



Thruway
Authority

Rehabilitation of Rte. 7 Bridge
over the Thruway (I-90)
MP 158.54
Albany County
A52904

DATE: 08/11/2025

PREPARED BY: P. MULKERN

CHECKED BY: L. TAN

COMP DATE: 02/15/2024

ITEM 620.03 (CY)
STONE FILLING (LIGHT)

DESCRIPTION	Inner Arc Length (ft)	Outer Arc Length (ft)	Depth (ft)	Section Area (sf)	Length (ft)	Volume (CY)
NW Approach Stone Gutter	5.5	9	1	7.5	12	3.33
NE Approach Stone Gutter	5.5	9	1	7.5	12	3.33
SW Approach Stone Gutter	5.5	9	1	7.5	12	3.33
SE Approach Stone Gutter	5.5	9	1	7.5	12	3.33
Total:						13.33

SAY: 14

Notes:

See Plan ST-32 for gutter section



Rehabilitation of Rte. 7 Bridge
over the Thruway (I-90)
MP 158.54
Albany County
A52904

DATE: 08/05/2025

PREPARED BY: P. MULKERN

CHECKED BY: L. TAN

COMP DATE: 02/15/2024

ITEM 620.0801 (CY)


BEDDING MATERIAL, TYPE 1

DESCRIPTION	Inner Arc Length (ft)	Outer Arc Length (ft)	Depth (ft)	Section Area (sf)	Length (ft)	Volume (CY)
NW Approach Stone Gutter	9	11.5	0.75	8	12	3.56
NE Approach Stone Gutter	9	11.5	0.75	8	12	3.56
SW Approach Stone Gutter	9	11.5	0.75	8	12	3.56
SE Approach Stone Gutter	9	11.5	0.75	8	12	3.56
Total:						14.22

SAY: 16

Notes:

See Plan ST-32 for gutter section

	Rehabilitation of Rte. 7 Bridge	DATE:	08/05/2025
	over the Thruway (I-90)		
	MP 158.54	PREPARED BY:	P. MULKERN
	Albany County	CHECKED BY:	L. TAN
	A52904	COMP DATE:	02/22/2024

ITEM 621.05020004 (LF)							
PREPARING GRADE FOR VEGETATION CONTROL STRIP							
DESCRIPTION			Transition Rail Length (ft)	Approach Guide Rail Length (ft)			Length (LF)
Begin Left Approach			32	18			50
Begin Right Approach			32	18			50
End Left Approach			32	18			50
End Right Approach			32	18			50
Total:							200.00
SAY:							200

Notes:



Rehabilitation of Rte. 7 Bridge
over the Thruway (I-90)
MP 158.54
Albany County
A52904

DATE: 08/05/2025

PREPARED BY: P. MULKERN
CHECKED BY: L. TAN
COMP DATE: 02/15/2024

ITEM 627.50140008 (LF)
CUTTING PAVEMENT

DESCRIPTION	Length (ft)
South Approach Slab Centerline Cut	48.00
North Approach Slab Centerline Cut	48.00
Bridge Centerline Cut	208.00
South Approach Transverse Pavement Tie-in	68.00
North Approach Transverse Pavement Tie-in	68.00
Total:	440.00

SAY: 440

Notes:



**Thruway
Authority**

Rehabilitation of Rte. 7 Bridge
over the Thruway (I-90)
MP 158.54
Albany County
A52904

DATE: 08/05/2025

PREPARED BY: P. MULKERN
CHECKED BY: L. TAN
COMP DATE: 05/21/2025

ITEM 670.2003 (LF)
GALVANIZED STEEL CONDUIT, 2"

DESCRIPTION	Begin Sta.	End Sta.	Length (ft)
CL pier to End Abutment	72+71.13	74+33.63	162.50
Total:			162.50

SAY: 165

Notes:



Rehabilitation of Rte. 7 Bridge
over the Thruway (I-90)
MP 158.54
Albany County
A52904

DATE: 08/05/2025

PREPARED BY: P. MULKERN
CHECKED BY: L. TAN
COMP DATE: 05/21/2025

ITEM 670.40 (EA)
CAST IRON JUNCTION BOXES

DESCRIPTION	
Install new junction box at location	1.00
Total:	1.00

SAY: 1

Notes:



Rehabilitation of Rte. 7 Bridge
over the Thruway (I-90)
MP 158.54
Albany County
A52904

DATE: 08/05/2025

PREPARED BY: P. MULKERN
CHECKED BY: L. TAN
COMP DATE: 05/21/2025

ITEM 670.7004 (LF)

SINGLE CONDUCTOR CABLE, NUMBER 6 GAGE

DESCRIPTION		Begin Sta.	End Sta.	Length (ft)
Junction Box-Pullbox Run	x2	72+71.13	74+33.63	324.99
Total:				324.99

SAY: 325

Notes:



Rehabilitation of Rte. 7 Bridge
over the Thruway (I-90)
MP 158.54
Albany County
A52904

DATE: 08/05/2025

PREPARED BY: P. MULKERN
CHECKED BY: L. TAN
COMP DATE: 05/21/2025

ITEM 670.7501 (LF)
GROUND WIRE NO. 6 AWG

DESCRIPTION	Begin Sta.	End Sta.	Length (ft)
Junction Box-Pullbox Run	72+71.13	74+33.63	162.50
Total:			162.50

SAY:	165
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Notes:



Rehabilitation of Rte. 7 Bridge
over the Thruway (I-90)
MP 158.54
Albany County
A52904

DATE: 08/05/2025

PREPARED BY: P. MULKERN
CHECKED BY: L. TAN
COMP DATE: 05/21/2025

ITEM 670.94110010 (EA)

REMOVE WIRING, CONDUIT & JUNCTION BOXES

DESCRIPTION	
	1.00
Total:	1.00

SAY: 1

Notes:



Rehabilitation of Rte. 7 Bridge
over the Thruway (I-90)
MP 158.54
Albany County
A52904

DATE: 08/05/2025

PREPARED BY: P. MULKERN

CHECKED BY: L. TAN

COMP DATE: 02/26/2024

ITEM 685.1102 (LF)

WHITE EPOXY REFLECTORIZED PAVEMENT STRIPES - 20 mil

DESCRIPTION	APPROX. BEGIN STA.	APPROX. END STA.					Total Length (LF)
Left Travel Lane Edge Line	65+46	82+48					1,702.00
Right Travel Lane Edge Line	65+46	82+48					1,702.00
Turning lane Divide							204.00
Dashed turning Lane divide							380.00
West Intersection	Length (ft)	Qty.	Pay Factor				
Shoulder line	8	3	1				24.00
Turning lane Divide	13	1	1				13.00
Stop Bar	26	1	4.5				117.00
East Intersection	Length (ft)	Qty.	Pay Factor				
Shoulder line	8	4	1.0				32.00
Total:							4,174

SAY: 4,174

Notes:

Basis of payment per foot is based on 4" width stripe

Assumed stop bar width is 18".



Rehabilitation of Rte. 7 Bridge
over the Thruway (I-90)
MP 158.54
Albany County
A52904

DATE: 08/05/2025

PREPARED BY: P. MULKERN

CHECKED BY: L. TAN

COMP DATE: 02/26/2024

ITEM 685.1202 (LF)

YELLOW EPOXY REFLECTORIZED PAVEMENT STRIPES - 20 mil


DESCRIPTION	Length (LF)		Pay Factor				Total Length (LF)
Double Yellow Left	1,702.00		2				3,404.00
Double Yellow Right	1,702.00		2				3,404.00
	Length of Leg		Pay Factor		Number of Legs		
East Gore Cross Hatch Striping	21		6		100		12,600.00
Total:							19,408

SAY: 19,408

Notes:

Basis of payment per foot is based on 4" width stripe.

Cross Hatch striping width is assumed to be 24" width.

 Thruway Authority	Rehabilitation of Rte. 7 Bridge	DATE:	08/05/2025
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	A52904	COMP DATE:	02/26/2024


ITEM 685.3304 (EA)

WHITE EPOXY REFLECTORIZED PAVEMENT LETTERS -20 MIL PORTABLE/HAND APPLICATION

DESCRIPTION			Letters	#	Total (EA)
West Approach "Only"			4	2	8.00
East Approach "Only"			4	3	12.00
Total:					20

SAY:	20
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Notes:

 Thruway Authority	Rehabilitation of Rte. 7 Bridge	DATE:	08/05/2025
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	MP 158.54	PREPARED BY:	P. MULKERN
	Albany County	CHECKED BY:	L. TAN
	A52904	COMP DATE:	02/26/2024

<p align="center">ITEM 685.3404 (EA)</p> <p align="center">WHITE EPOXY REFLECTORIZED PAVEMENT SYMBOLS -20 MIL PORTABLE/HAND APPLICATION</p>

DESCRIPTION					Total (EA)
West Approach Left Turn Arrow					1.00
West Approach Right Turn Arrow					1.00
East Approach Left Turn Arrow					2.00
East Approach Straight Arrow					2.00
Total:					6

SAY:	6
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[Notes:](#)