

PAY ITEM QUANTITY CALCULATIONS

*INSTALLATION OF PAVEMENT MARKINGS AT VARIOUS LOCATIONS IN THE ALBANY
AND SYRACUSE DIVISIONS*

TAA 24-33

D215003

PIN A72203

H378.2

INSTALLATION OF PAVEMENT MARKINGS AT VARIOUS LOCATIONS IN THE ALBANY AND SYRACUSE DIVISIONS

ITEM NUMBER	ITEM DESCRIPTION	UNITS	QUANTITY
619.0101	BASIC WORK ZONE TRAFFIC CONTROL (DAILY OPERATIONS)	LS	1
619.24	NIGHTTIME OPERATIONS	LS	1
635.01030625	CLEANING AND PREPARATION OF PAVEMENT SURFACES - 6" WIDTH LINES	LF	1,000
635.0203	CLEANING AND PREPARATION OF PAVEMENT SURFACES - LETTERS	EA	8
635.0303--25	CLEANING AND PREPARATION OF PAVEMENT SURFACES - SYMBOLS	EA	16
635.0402--25	MISCELLANEOUS ABRADING OF EPOXY PAVEMENT STRIPES	LF	1,000
635.04030225	RECESS DIAMOND GRINDING FOR INLAID PAVEMENT MARKINGS	LF	12,710
685.0106--25	WHITE EPOXY REFLECTORIZED PAVEMENT STRIPES 6 INCH X 15 MILS	LF	131,084
685.0206--25	YELLOW EPOXY REFLECTORIZED PAVEMENT STRIPES 6 INCH X 15 MILS	LF	58,355
685.1306--25	WHITE EPOXY REFLECTORIZED PAVEMENT LETTERS	EA	8
685.1406--25	WHITE EPOXY REFLECTORIZED PAVEMENT SYMBOLS	EA	16
685.15----25	BLACK EPOXY PAVEMENT MARKINGS	LF	34,375
685.1707--25	WHITE HIGHLY REFLECTORIZED TRIPLE DROP EPOXY PAVEMENT STRIPES - 6 IN. x 20 MILS	LF	966,420
685.1708--25	YELLOW HIGHLY REFLECTORIZED TRIPLE DROP EPOXY PAVEMENT STRIPES - 6 IN. x 20 MILS	LF	749,565

PROJECT: Installation of Pavement Markings at Various **MADE BY:** J. McCool **DATE:** 09/2024
Locations in the Albany and Syracuse Divisions **CHECKED BY:** JC **DATE:** 10/4/24

SUBJECT: WZTC **SHEET #** 1 **OF** 1

ITEM 619.0101 - BASIC WORK ZONE TRAFFIC CONTROL (DAILY OPERATIONS) (LS)

1 LS

PROJECT: Installation of Pavement Markings at Various **MADE BY:** J. McCool **DATE:** 09/2024
Locations in the Albany and Syracuse Divisions **CHECKED BY:** JC **DATE:** 10/4/24

SUBJECT: Nighttime Operations **SHEET #** 1 **OF** 1

ITEM 619.24 - NIGHTTIME OPERATIONS (LS)

1 LS

PROJECT: Installation of Pavement Markings at Various **MADE BY:** J. McCool **DATE:** 09/2024
Locations in the Albany and Syracuse Divisions **CHECKED BY:** JC **DATE:** 10/4/24

SUBJECT: Cleaning and Prep of Pavement **SHEET #** 1 **OF** 1

ITEM 635.01030625 - CLEANING AND PREPARATION OF PAVEMENT SURFACES - 6" WIDTH LINES (LF)

Item is to be used A.O.B.E.

SAY: 1,000 LF

PROJECT: Installation of Pavement Markings at Various **MADE BY:** J. McCool **DATE:** 09/2024
Locations in the Albany and Syracuse Divisions **CHECKED BY:** JC **DATE:** 10/4/24

SUBJECT: Cleaning and Prep of Pavement - Letters **SHEET #** 1 **OF** 1

ITEM 635.0203 - CLEANING AND PREPARATION OF PAVEMENT SURFACES - LETTERS (EA)

Interchange 38

2 " O "

2 " N "

2 " L "

2 " Y "

8 total letters

SAY: 8 EA

PROJECT: Installation of Pavement Markings at Various **MADE BY:** J. McCool **DATE:** 09/2024
Locations in the Albany and Syracuse Divisions **CHECKED BY:** JC **DATE:** 10/4/24

SUBJECT: Cleaning and Prep of Pavement - Symbols **SHEET #** 1 **OF** 1

ITEM 635.0303--25 - CLEANING AND PREPARATION OF PAVEMENT SURFACES - SYMBOLS (EA)

Mainline MP 141.00 - 148.30

6 Lane Reduction Arrows

Interchange 38

5 Left Only Arrows

5 Yield Bar Triangles

SAY: 16 EA

PROJECT: Installation of Pavement Markings at Various **MADE BY:** J. McCool **DATE:** 09/2024
Locations in the Albany and Syracuse Divisions **CHECKED BY:** JC **DATE:** 10/4/24

SUBJECT: Misc. Abrading of Epoxy Stripes **SHEET #** 1 **OF** 1

ITEM 635.0402--25 - MISCELLANEOUS ABRADING OF EPOXY PAVEMENT STRIPES (LF)

Item is to be used A.O.B.E.

SAY: 1,000 LF

PROJECT: Installation of Pavement Markings at Various
Locations in the Albany and Syracuse Divisions
MADE BY: J. McCool **DATE:** 09/2024
CHECKED BY: JC **DATE:** 10/4/24
SUBJECT: Diamond Grinding **SHEET #** 1 **OF** 2

ITEM 635.04030225 - RECESS DIAMOND GRINDING FOR INLAID PAVEMENT MARKINGS (LF)

Mainline / Berkshire Spur - Albany Division

25A/26 I-90 EB	504 LF
25A/26 I-90 WB	504 LF
25/25A I-90 EB	1,008 LF
25/25A I-90 WB	1,008 LF
24/25 I-90 EB	1,008 LF
24/25 I-90 WB	1,008 LF
23/24 I-90 EB	1,008 LF
23/24 I-90 WB	1,008 LF
22/23 I-87 NB	504 LF
22/23 I-87 SB	504 LF
Canaan / B3 Canaan WB	504 LF
Canaan / B3 Canaan EB	504 LF

Albany Division Total: 9,072

PROJECT: Installation of Pavement Markings at Various
Locations in the Buffalo and Syracuse Divisions
MADE BY: J. McCool
DATE: 09/2024
CHECKED BY: JC
DATE: 10/4/24
SUBJECT: Diamond Grinding
SHEET # 2 **OF** 2

ITEM 635.04030225 - RECESS DIAMOND GRINDING FOR INLAID PAVEMENT MARKINGS (LF)

Mainline - Syracuse Division

35/36 I-90 EB	504 LF
35/36 I-90 WB	504 LF
34A/35 I-90 EB	504 LF
34A/35 I-90 WB	504 LF
34/34A I-90 EB	504 LF
34/34A I-90 WB	504 LF

Syracuse Division Total: 3,024

$$9,072 + 3,024 = 12,096$$

$$12,096 \times 5\% = 12,710$$

SAY: 12,710 LF

PROJECT: Installation of Pavement Markings at Various MADE BY: J. McCool DATE: 09/2024
Locations in the Albany and Syracuse Divisions CHECKED BY: JC DATE: 10/4/24

SUBJECT: White Epoxy Stripe SHEET # 1 OF 1

ITEM 685.0106--25 - WHITE EPOXY REFLECTORIZED PAVEMENT STRIPES 6 INCH X 15 MILS (LF)

**All measurements were
taken using Google Earth**

<u>Location</u>			
Interchange 29A	17,861	LF	
Interchange 30	13,430	LF	
Interchange 31	20,975	LF	
Interchange 32	16,806	LF	
Text Stop @ MP 250.10 EB	3,931	LF	
Text Stop @ MP 256.00 WB	3,545	LF	
Interchange 37	22,393	LF	
Interchange 38	19,120	LF	
Chittenango Service Area WB	3,648	LF	
Gantry Stay-in-Lane (Albany)	1,619	LF	
Gantry Stay-in-Lane (Syracuse)	1,336	LF	
	<u>124,664</u>	LF	
124,664	x	5.15 5%	= 131,084

SAY: 131,084 LF

PROJECT: Installation of Pavement Markings at Various MADE BY: J. McCool DATE: 09/2024
Locations in the Albany and Syracuse Divisions CHECKED BY: JC DATE: 10/4/24

SUBJECT: Yellow Epoxy Stripe SHEET # 1 OF 1

ITEM 685.0206--25 - YELLOW EPOXY REFLECTORIZED PAVEMENT STRIPES 6 INCH X 15 MILS (LF)

**All measurements were
taken using Google Earth**

<u>Location</u>			
Interchange 29A	9,873	LF	
Interchange 30	5,262	LF	
Interchange 31	9,646	LF	
Interchange 32	7,054	LF	
Text Stop @ MP 250.10 EB	1,019	LF	
Text Stop @ MP 256.00 WB	988	LF	
Interchange 37	10,304	LF	
Interchange 38	10,177	LF	
Chittenango Service Area WB	1,229	LF	
	<u>44,146</u>	LF	55,552
<u>44,146</u>	x	<u>5%</u>	=
55,552		4.8	58,355

SAY: 58,355 LF



PROJECT: Installation of Pavement Markings at Various
Locations in the Albany and Syracuse Divisions

MADE BY: J. McCool

DATE: 09/2024

CHECKED BY: JC

DATE: 10/4/24

SUBJECT: Interchange 29A (MP 210.62)
White/Yellow Epoxy Stripes

SHEET # 1 OF 1

White

WB Decel 2,769

WB Accel 4,330

EB Decel 3,865

EB Accel 3,393

Gores $313 + 286 + 424 + 169 + 285 + 275 = 1,752 \times 2 = 3,504$

$2,769 + 4,330 + 3,865 + 3,393 + 3,504 = \mathbf{17,681}$

Yellow

WB Decel 831

WB Accel 1,922

EB Decel 3,722

EB Accel 3,398

$831 + 1,922 + 3,722 + 3,398 = \mathbf{9,873}$

PROJECT: Installation of Pavement Markings at Various
Locations in the Albany and Syracuse Divisions **MADE BY:** J. McCool **DATE:** 09/2024
CHECKED BY: JC **DATE:** 10/4/24

SUBJECT: Interchange 30 (MP 219.70) **SHEET #** 1 **OF** 1
White/Yellow Epoxy Stripes

White

WB Decel	2,685
WB Accel	3,176
EB Decel	2,138
EB Accel	2,215
Gores	$378 + 240 + 187 + 263 + 335 + 205 = 1,608 \times 2 = 3,216$
	$2,685 + 3,176 + 2,138 + 2,215 + 3,216 = \mathbf{13,430}$

Yellow

WB Decel	2,144
WB Accel	2,123
EB Decel	520
EB Accel	475
	$2,144 + 2,123 + 520 + 475 = \mathbf{5,262}$

PROJECT: Installation of Pavement Markings at Various
Locations in the Albany and Syracuse Divisions
MADE BY: J. McCool **DATE:** 09/2024
CHECKED BY: JC **DATE:** 10/4/24

SUBJECT: Interchange 31 (MP 232.85) **SHEET #** 1 **OF** 1
White/Yellow Epoxy Stripes

White

WB Decel	3,566
WB Accel	4,511
EB Decel	$3,128 + 151 = 3,279$
EB Accel	3,992
Under Gantry	$177 + 136 = 313$
Gores	$211 + 357 + 469 + 277 + 286 + 366 + 367 = 2,333 \times 2 = 4,666$
Skip	$500 + 579 + 622 + 426 = 2,127 / 4 = 532$
Stop Bar	$29 \times 4 = 116$
	$3,566 + 4,511 + 3,279 + 3,992 + 313 + 4,666 + 532 + 116 = \mathbf{20,975}$

Yellow

WB Decel	3,978
WB Accel	3,876
EB Decel	577
EB Accel	1,123
Lot Entrance	$46 \times 2 = 92$
	$3,978 + 3,876 + 577 + 1,123 + 92 = \mathbf{9,646}$

PROJECT: Installation of Pavement Markings at Various
Locations in the Albany and Syracuse Divisions
MADE BY: J. McCool
DATE: 09/2024
CHECKED BY: JC
DATE: 10/4/24

SUBJECT: Interchange 32 (MP 243.37)
SHEET # 1 **OF** 1
White/Yellow Epoxy Stripes

White

WB Decel	3,791
WB Accel	3,844
EB Decel	3,211
EB Accel	2,592
Gores	$349 + 221 + 263 + 333 + 253 + 265 = 1,684 \times 2 = 3,368$
	$3,791 + 3,844 + 3,211 + 2,592 + 3,368 = \mathbf{16,806}$

Yellow

WB Decel	2,623
WB Accel	2,535
EB Decel	968
EB Accel	928
	$2,623 + 2,535 + 968 + 928 = \mathbf{7,054}$

PROJECT: Installation of Pavement Markings at Various
Locations in the Albany and Syracuse Divisions
MADE BY: J. McCool
DATE: 09/2024
CHECKED BY: JC
DATE: 10/4/24

SUBJECT: Interchange 37 (MP 283.79)
SHEET # 1 **OF** 1
White/Yellow Epoxy Stripes

White

WB Decel	3,899
WB Accel	4,280
EB Decel	2,843
EB Accel	3,048
Cashless	$171 + 676 + 183 + 713 + 92 + 93 = 1,928$
Gores	$364 + 327 + 202 + 242 + 366 + 263 + 314 + 320 + 302 + 333 = 3,033 \times 2 = 6,066$
Skip	$275 + 293 + 152 + 116 = 836 / 4 = 209$
Stop Bars	$14 + 16 = 30 \times 4 = 120$
	$3,899 + 4,280 + 2,843 + 3,048 + 1,928 + 6,066 + 209 + 120 = \mathbf{22,393}$

Yellow

WB Decel	3,220
WB Accel	3,124
EB Decel	1,121
EB Accel	1,158
Cashless	$1,258 + 197 + 226 = 1,681$
	$3,220 + 3,124 + 1,121 + 1,158 + 1,681 = \mathbf{10,304}$

PROJECT: Installation of Pavement Markings at Various
Locations in the Albany and Syracuse Divisions
MADE BY: J. McCool
DATE: 09/2024
CHECKED BY: JC
DATE: 10/4/24

SUBJECT: Interchange 38 (MP 285.95)
SHEET # 1 **OF** 1
White/Yellow Epoxy Stripes

White

WB Decel	3,498
WB Accel	4,660
EB Decel	3,724
EB Accel	3,018
Cashless	$123 + 96 + 39 + 108 + 53 = 419$
Gores	$68 + 133 + 81 + 195 + 245 + 211 + 208 + 241 + 419 = 1,801 \times 2 = 3,602$
Skip	$122 / 4 = 31$
Stop Bars	$23 + 19 = 42 \times 4 = 168$
	$3,498 + 4,660 + 3,724 + 3,018 + 419 + 3,602 + 31 + 168 = \mathbf{19,120}$

Yellow

WB Decel	3,824
WB Accel	3,754
EB Decel	736
EB Accel	640
Cashless	$1,034 + 96 + 93 = 1,223$
	$3,824 + 3,754 + 736 + 640 + 1,223 = \mathbf{10,177}$



PROJECT: Installation of Pavement Markings at Various
Locations in the Albany and Syracuse Divisions

MADE BY: J. McCool

DATE: 09/2024

CHECKED BY: JC

DATE: 10/4/24

SUBJECT: Text Stops / Service Area
White/Yellow Epoxy Stripes

SHEET # 1 OF 1

Text Stop @ MP 250.10 EB

White

Decel 1,258

Accel 1,725

Gores $244 + 230 = 474 \times 2 = 948$

$1,258 + 1,725 + 948 = \mathbf{3,931}$

Yellow

1,019

Text Stop @ MP 256.00 WB

White

Decel 1,320

Accel 1,255

Gores $243 + 242 = 485 \times 2 = 970$

$1,320 + 1,255 + 970 = \mathbf{3,545}$

Yellow

988

Chittenango Service Area WB

White

Decel $997 + 217 = 1,214$

Accel 1,428

Gores $251 + 193 + 44 = 488 \times 2 = 976$

$1,214 + 1,428 + 976 = \mathbf{3,648}$

Yellow

1,229

PROJECT: Installation of Pavement Markings at Various **MADE BY:** J. McCool **DATE:** 09/2024
Locations in the Albany and Syracuse Divisions **CHECKED BY:** JC **DATE:** 10/4/24

SUBJECT: White Pavement Letters **SHEET #** 1 **OF** 1

ITEM 685.1306--25 - WHITE EPOXY REFLECTORIZED PAVEMENT LETTERS (EA)

Interchange 38

2 " O "

2 " N "

2 " L "

2 " Y "

8 total letters

SAY: 8 EA

PROJECT: Installation of Pavement Markings at Various MADE BY: J. McCool DATE: 09/2024
Locations in the Albany and Syracuse Divisions CHECKED BY: JC DATE: 10/4/24
SUBJECT: White Pavement Symbols SHEET # 1 OF 1

ITEM 685.1406--25 - WHITE EPOXY REFLECTORIZED PAVEMENT SYMBOLS (EA)

Mainline MP 141.00 - 148.30

6 Lane Reduction Arrows

Interchange 38

5 Left Only Arrows

5 Yield Bar Triangles

SAY: 16 EA

PROJECT: Installation of Pavement Markings at Various **MADE BY:** J. McCool **DATE:** 09/2024
Locations in the Albany and Syracuse Divisions **CHECKED BY:** JC **DATE:** 10/4/24

SUBJECT: Black Pavement Markings **SHEET #** 1 **OF** 1

ITEM 685.15----25 - BLACK EPOXY PAVEMENT MARKINGS (LF)

MP 141.00 - 148.30 32,736 LF

$$32,736 \quad \times \quad 5\% \quad = \quad 34,375$$

SAY: 34,375 LF

PROJECT: Installation of Pavement Markings at Various
Locations in the Albany and Syracuse Divisions

MADE BY: J. McCool

DATE: 09/2024

CHECKED BY: JC

DATE: 10/4/2024

SUBJECT: White Triple Drop Stripe

SHEET # 1 **OF** 1

ITEM 685.1707--25 - WHITE HIGHLY REFLECTORIZED TRIPLE DROP EPOXY PAVEMENT STRIPE (LF)

Mainline / Berkshire Spur

MP 109.30 - 121.30 157,080 LF

MP 141.00 - 148.30 112,332 LF

MP 161.00 - 170.00 118,800 LF

MP 262.50 - 284.00 283,800 LF

MP B0.00 - B17.90 236,280 LF

Gantry Stay-in-Lane (Albany) 9,072 LF

Gantry Stay-in-Lane (Syracuse) 3,024 LF

157,080	+	112,332	+	118,800	+	283,800	+	236,280	+
9,072		3,024		=	920,388				

920,388 x 5% = 966,420

SAY: 966,420 LF

PROJECT: Installation of Pavement Markings at Various MADE BY: J. McCool DATE: 09/2024
Locations in the Albany and Syracuse Divisions CHECKED BY: JC DATE: 10/4/24

SUBJECT: Yellow Triple Drop Stripe SHEET # 1 OF 1

ITEM 685.1708--25 - YELLOW HIGHLY REFLECTORIZED TRIPLE DROP EPOXY PAVEMENT STRIPE (LF)

Mainline / Berkshire Spur

MP 109.30 - 121.30	125,664 LF
MP 141.00 - 148.30	77,088 LF
MP 161.00 - 170.00	95,040 LF
MP 262.50 - 284.00	227,040 LF
MP B0.00 - B17.90	189,024 LF

125,664	+	77,088	+	95,040	+	227,040	+
189,024		=		713,856			

713,856	x	5%	=	749,565
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SAY: 749,565 LF