

Construction Traffic

All construction traffic shall use acceptable truck routes to access the construction area. Use of local residential streets is strictly prohibited unless allowed in writing by the local enforcement authority.

Work Zone Markings

The following estimated quantities have been carried to the General Summary for use at locations identified by the Engineer for work zone pavement markings per the requirements of CMS 614.04 and 614.11. Place temporary markings at the same locations as the proposed permanent markings.

After the planing is completed, use the following temporary markings:

- Item 614 – Work Zone Lane Line, Class I, 6", 642 Paint **4.99 Mile**
- Item 614 – Work Zone Center Line, Class I, 642 Paint **3.76 Mile**
- Item 614 – Work Zone Channelizing Line, Class I, 8", 642 Paint **1,731 Ft**
- Item 614 – Work Zone Stop Line, Class I, 642 Paint **2,047 Ft**
- Item 614 – Work Zone Crosswalk Line, Class I, 642 Paint **12,228 Ft**

After the intermediate course is completed, use the following temporary markings:

- Item 614 – Work Zone Lane Line, Class I, 6", 642 Paint **4.99 Mile**
- Item 614 – Work Zone Center Line, Class I, 642 Paint **3.76 Mile**
- Item 614 – Work Zone Channelizing Line, Class I, 8", 642 Paint **1,731 Ft**
- Item 614 – Work Zone Stop Line, Class I, 642 Paint **2,047 Ft**
- Item 614 – Work Zone Crosswalk Line, Class I, 642 Paint **12,228 Ft**

After the surface course is placed, use the following temporary markings:

- Item 614 – Work Zone Lane Line, Class III, 6", 642 Paint **4.99 Mile**
- Item 614 – Work Zone Center Line, Class III, 642 Paint **3.76 Mile**
- Item 614 – Work Zone Channelizing Line, Class III, 8", 642 Paint **1731 Ft**
- Item 614 – Work Zone Stop Line, Class III, 642 Paint **2047 Ft**
- Item 614 – Work Zone Crosswalk Line, Class III, 642 Paint **12228 Ft**

Major Work Items

The following major work items will require traffic maintenance which shall be incorporated into the Contractor's sequence of operations.

- A. Planing of asphalt concrete
- B. Completion of pavement repairs
- C. Adjustment/reconstruction of existing castings
- D. Placing of asphalt concrete intermediate course
- E. Placing of asphalt concrete surface course
- F. Placing proposed pavement markings and raised pavement markers

Maintaining Traffic and Sequence of Operations

All asphalt concrete operations shall be conducted in a manner that will assure minimum danger and inconvenience to highway users. The procedure for the removal or placement of any existing or proposed asphalt course shall be such that no greater than 1-1/2" discontinuity in the elevation of the travelled surface shall be exposed to traffic.

Traffic shall not be permitted to cross any partial-width removal or resurfacing joint during the actual removal or paving operation except as necessary. Any partial-width longitudinal joints which must be exposed to traffic shall be ramped using Item 614 – Asphalt Concrete for Maintaining Traffic at a rate not steeper than 6:1.

Temporary transverse removal or paving joints which must be exposed to traffic shall be ramped using Item 614 – Asphalt Concrete for Maintaining Traffic as a rate not to exceed 1" in 10'.

For removal of existing overlays, a transition may be planed into the existing overlay and may be substituted for the asphalt ramps previously described, provided the transition is removed in a subsequent operation within 24 hours.

Whenever traffic is subject to partial width removals or overlays prior to full width completion, the Contractor shall provide W8-11-48 "UNEVEN LANES" signs (dual sign installation). Placement shall be as directed by the Engineer and included in the lump sum payment for Item 614 – Maintaining Traffic.

Whenever any part of the traveled surface is closed, the motorists shall be warned and diverted by the Contractor through the use of a flashing arrow, in addition to those provisions set forth in the OMUTCD, the Traffic Engineering Manual and the applicable Standard Construction Drawings.

Continuous Access

The Contractor shall maintain safe and adequate driveways and walkways in order to provide continuous access for pedestrians, passenger vehicles, trucks, and safety equipment to all adjoining properties

The cost for all materials, equipment, and labor necessary to provide continuous access shall be included in the lump sum price for Item 614 – Maintaining Traffic.

Item 614 – Asphalt Concrete for Maintaining Traffic

This item shall be used to install and remove temporary asphalt ramps at butt joints, and drainage/utility castings, where required. Material shall be removed prior to the placement of the next course of asphalt. The following estimated quantity has been carried to the general summary to accomplish this item of work.

- Item 614 – Asphalt Concrete for Maintaining Traffic..... **200 Cu Yd**

Covering of Ground-Mounted Signs – General

When required by other items or incidentally to Item 614 – Maintaining Traffic, cover existing ground-mounted signs with plywood or OSB blanks (1/2" minimum thickness) covering 80% of the sign area and all of the sign legend. The use of low quality materials such as duct tape and black plastic is not permitted.

Item 630 – Signing Misc.: Additional Signs, Ground Mounted, As Directed by the Engineer

When additional signing is needed to maintain traffic, the Contractor shall furnish the sign or signs as directed by the Engineer. These signs shall be ground mounted and meet all the specifications of the plan, proposal and current year CMS.

Payment for this item shall include, but not be limited to, the cost to furnish and erect the sign, including driving posts or other approved methods of sign support, maintaining the sign and removal of the sign. The following estimated quantity has been carried to the General Summary for use as directed by the Engineer:

- Item 630 – Signing Misc.: Additional Signs, Ground Mounted, As Directed by the Engineer **300 Sq Ft**

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MAINTENANCE OF TRAFFIC GENERAL NOTES

CUY-6 / 20-
20.74 / 22.94

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SHEET NUM.										PART.			ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
4-7		9-10		13-18		19-22		23-26		01/NHS/PV								
ROADWAY																		
						30,193				30,193		202	30000	30,193	SF	WALK REMOVED		
						4,076				4,076		202	32000	4,076	FT	CURB REMOVED		
						14,878				14,878		608	10000	14,878	SF	4" CONCRETE WALK		
						15,321				15,321		608	52001	15,321	SF	CURB RAMP, AS PER PLAN	5	
64										64		623	39501	64	EACH	MONUMENT BOX ADJUSTED TO GRADE, AS PER PLAN	5	
7										7		623	39600	7	EACH	MONUMENT BOX RECONSTRUCTED TO GRADE		
LS										LS		SPECIAL	69098400	LS		PRE-CONSTRUCTION PHOTOGRAPHY	5	
EROSION CONTROL																		
LS										LS		659	98700	LS		SEEDING, MISC.: SEEDING AND MULCHING	5	
										1,000		832	30000	1,000	EACH	EROSION CONTROL		
DRAINAGE																		
168										168		611	98631	168	EACH	CATCH BASIN ADJUSTED TO GRADE, AS PER PLAN	5	
20										20		611	98634	20	EACH	CATCH BASIN RECONSTRUCTED TO GRADE		
231										231		611	99655	231	EACH	MANHOLE ADJUSTED TO GRADE, AS PER PLAN	5	
25										25		611	99660	25	EACH	MANHOLE RECONSTRUCTED TO GRADE		
35,000										35,000		SPECIAL	61199820	35,000	LB	MISCELLANEOUS METAL	5	
PAVEMENT																		
2,000										2,000		251	01000	2,000	SY	PARTIAL DEPTH PAVEMENT REPAIR (441)		
550										550		253	02000	550	CY	PAVEMENT REPAIR		
				112,485						112,485		254	01001	112,485	SY	PAVEMENT PLANING, ASPHALT CONCRETE, AS PER PLAN, 2.5"	6	
100										100		304	20000	100	CY	AGGREGATE BASE		
				16,874						16,874		407	20000	16,874	GAL	NON-TRACKING TACK COAT		
				4,688						4,688		441	50101	4,688	CY	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), AS PER PLAN, PG70-22M, 1.5"	6	
				3,126						3,126		441	50200	3,126	CY	ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, (448), 1"		
						1,401				1,401		609	26000	1,401	FT	CURB, TYPE 6		
				4,050						4,050		875	10000	4,050	LB	LONGITUDINAL JOINT ADHESIVE		
WATER WORK																		
271										271		638	10801	271	EACH	VALVE BOX ADJUSTED TO GRADE, AS PER PLAN	5	
TRAFFIC CONTROL																		
2										2		632	26501	2	EACH	DETECTOR LOOP, AS PER PLAN	7	
								4.99		4.99		646	10110	4.99	MILE	LANE LINE, 6"		
								3.76		3.76		646	10200	3.76	MILE	CENTER LINE		
								1,731		1,731		646	10300	1,731	FT	CHANNELIZING LINE, 8"		
								2,047		2,047		646	10400	2,047	FT	STOP LINE		
								12,228		12,228		646	10500	12,228	FT	CROSSWALK LINE		
								857		857		646	10600	857	FT	TRANSVERSE/DIAGONAL LINE		
								4		4		646	20100	4	EACH	SCHOOL SYMBOL MARKING, 72"		
								104		104		646	20300	104	EACH	LANE ARROW		
LS										LS		SPECIAL	69098400	LS		INVENTORY EXISTING PAVEMENT MARKINGS	7	

GENERAL SUMMARY

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SHEET NO.	PLAN SPLIT NO.	LOCATION	STATION		646	646	646	646	646	646	646											
			FROM	TO	LANE LINE, 6"	CENTER LINE	CHANNELIZING LINE, 8"	STOP LINE	CROSSWALK LINE	TRANSVERSE/DIAGONAL LINE	SCHOOL SYMBOL MARKING, 72"	LANE ARROW										
					MILE	MILE	FT	FT	FT	FT	EACH	EACH										
1		US-20 (EUCLID AVE. CONT.)	20+99.34	21+34.19	70	70																
1		LOCKWOOD AVE, LT.	21+34.19	21+97.97	64			15	76													
1			21+97.97	23+27.90	260	260						2										
1		IDLEWOOD AVE, RT.	23+27.90	23+93.12	66			15	81													
1			23+93.12	26+40.00	494	494						2										
1																						
1		ROSALIND AVE, RT.	26+40.00	26+98.00	58			13	68													
1			26+98.00	27+62.00	128	64	64					1										
1		EMILY ST, LT.	27+62.00	28+32.75	71			93	213													
1			28+32.75	29+32.75	200	200				155												
1		GARFIELD RD, RT.	29+32.75	29+62.80	31	61		11	57	47												
1			29+62.80	32+32.05	539	539				404												
1		US-6 (SUPERIOR AVE), LT./SUPERIOR RD, RT.	32+32.05	33+32.51				158	1450													
1																						
1		US-6/US-20 (EUCLID AVE.)	33+32.51	38+00.00	935	935		22	145	184		2										
1			38+00.00	38+74.00	148	148	74					2										
1			38+74.00	39+77.81	208	104	208					3										
1		FOREST HILLS BLVD, RT./WHEELER AVE, LT.	39+77.81	40+66.45		26	40	137	1335													
1			40+66.45	41+40.00	148	74	74					2										
1																						
1		MT UNION AVE, RT.	41+40.00	41+90.00	100	50																
1			41+90.00	42+65.10	76	76	76	12	70			1										
1			42+65.10	43+54.97	180	90	90					2										
1		EDDY RD, LT.	43+54.97	44+48.06				85	486													
1			44+48.06	44+98.75	102	102																
1																						
1		WELLESLEY AVE, RT.	44+98.75	45+61.75	63			12	69													
1			45+61.75	46+29.21	135	135						2										
1		HARTSHORN RD, LT.	46+29.21	46+93.21	64			12	65													
1			46+93.21	48+02.75	220	220						2										
1		VASSAR ST, RT.	48+02.75	48+58.75	56			12	64													
1																						
1		LAKEFRONT AVE, LT.	48+58.75	48+74.86	33	33																
1			48+74.86	49+28.00	54			16	72			2										
1			49+28.00	51+69.05	483	483						2										
1		HOLYOKE AVE, LT./BELMORE RD, RT.	51+69.05	52+30.57				28	160													
1			52+30.57	54+69.63	479	479						2										
1																						
1		ELSINORE AVE, LT.	54+69.63	55+30.63	61			12	69													
1			55+30.63	55+96.45	132	132																
1		WINDERMERE ST, RT.	55+96.45	56+55.45	59			15	79													
1			56+55.45	56+99.61	89	89																
1		DEBRA ANN LN, LT.	56+99.61	57+66.52	67			12	64													
1																						
1			57+66.52	59+55.82	379	379						2										
1		KNOWLES ST, RT.	59+55.82	60+20.57	65			16	76													
1			60+20.57	60+86.94	133	133																
1		AMHERST ST (RTA DRIVE), LT.	60+86.94	61+51.00	65																	
1			61+51.00	63+30.00	358	358				102		2										
1																						
1		BEERSFORD RD, RT.	63+30.00	63+85.00	55			17	82													
1			63+85.00	64+25.00	80	80																
1		RTA DRIVE, LT.	64+25.00	65+20.00	95					112												
SUBTOTALS					7103	5814	626	713	4995	790		31										
TOTALS CARRIED TO GENERAL SUMMARY					1.35 MI	1.1 MI	626	713	4995	790		31										
PLAN SPLIT #1 TOTAL					1.35 MI	1.1 MI	626	713	4995	790		31										
PLAN SPLIT #2 TOTAL																						

PAVEMENT MARKING SUBSUMMARY

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SHEET NO.	PLAN SPLIT NO.	LOCATION	STATION		646	646	646	646	646	646	646	646									
			FROM	TO	LANE LINE, 6"	CENTER LINE	CHANNELIZING LINE, 8"	STOP LINE	CROSSWALK LINE	TRANSVERSE/DIAGONAL LINE	SCHOOL SYMBOL MARKING, 72"	LANE ARROW									
					MILE	MILE	FT	FT	FT	FT	EACH	EACH									
1		US-6/US-20 (EUCLID AVE. CONT.)	65+20.00	66+20.00	200	200															
1		MARLOES AVE, RT.	66+20.00	66+76.00				82	205												
1			66+76.00	67+06.00	60	30	30					1									
1			67+06.00	67+86.00	160	160															
1		DOAN AVE, LT.	67+86.00	68+75.00	89			18	91												
1			68+75.00	69+20.23	91	91															
1		VAN BUREN RD, RT.	69+20.23	69+68.37	49			12	65												
1			69+68.37	71+02.74	269	269						2									
1		ROXFORD RD, RT./EASTHAM AVE, LT.	71+02.74	71+80.57	35			25	130												
1			71+80.57	73+06.00	251	251						2									
1			73+06.00	74+08.00	102			14	76												
1		ROSEMONT RD, RT.	74+08.00	76+34.51	454	454						2									
1			76+34.51	76+95.90	62			12	68												
1		WYMORE AVE, RT.	76+95.90	77+10.85	30	30															
1			77+10.85	77+69.71	59			12	64												
1			77+69.71	78+33.71	128	128															
1		LEE BLVD, RT.	78+33.71	79+20.00	87			20	110												
1			79+20.00	81+06.20	373	373						2									
1		PAGE AVE, LT.	81+06.20	81+68.10	62			12	65												
1			81+68.10	82+15.89	96	96															
1			82+15.89	82+81.90	67			13	76												
1		PAGE AVE, RT.	82+81.90	83+96.27	229	229						2									
1			83+96.27	84+65.92	70			13	76												
1		NORTHFIELD AVE, LT.	84+65.92	85+62.00	193	193						2									
1			85+62.00	86+19.38	58			13	72												
1		CHAPMAN AVE, RT.	86+19.38	86+47.41	57	57															
1			86+47.41	86+98.53	52			12	65												
1		CHAPMAN AVE, LT.	86+98.53	89+17.13	438	438						2									
1			89+17.13	89+80.08	63			13	78												
1		GRASMER AVE, RT.	89+80.08	91+72.00	384	384						2									
1			91+72.00	92+65.00	186	93	93					2									
1		STANWOOD RD, RT./STRATHMORE AVE, LT.	92+65.00	93+33.00				108	963												
1			93+33.00	96+88.00	710	710					2	2									
1			96+88.00	98+48.00	320	160	160					3									
1		SHAW AVE, LT.	98+48.00	99+07.00				91	452												
1			99+07.00	102+14.15	615	615					2	2									
1		SHELDON AVE, RT.	102+14.15	102+80.23	67			13	82												
1			102+80.23	103+96.68	233	233						2									
1		CHARLES RD, RT.	103+96.68	104+45.00	49			12	66												
1			104+45.00	104+95.00	100	100															
1			104+95.00	106+31.00	272	136	136					2									
1		N TAYLOR RD, RT./TAYLOR RD, LT.	106+31.00	107+17.04				98	1078												
SUBTOTALS					6820	5430	419	593	3882		4	30									
TOTALS CARRIED TO GENERAL SUMMARY					1.29 MI	1.03 MI	419	593	3882		4	30									
PLAN SPLIT #1 TOTAL					1.29 MI	1.03 MI	419	593	3882		4	30									
PLAN SPLIT #2 TOTAL																					

PAVEMENT MARKING SUBSUMMARY

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