

SCHEMATIC PLAN
 STA. 335+00.00 TO STA. 465+00.00

DESIGN AGENCY



DESIGNER	
MVC	
REVIEWER	
TES 05/12/22	
PROJECT ID	
107570	
SHEET	TOTAL
P.03	71

ITEM 614 - WORK ZONE PAVEMENT MARKINGS, CLASS I, 807 PAINT
ITEM 614 - WORK ZONE PAVEMENT MARKINGS, CLASS I, 642 PAINT
ITEM 614 - WORK ZONE PAVEMENT MARKINGS, CLASS III, 642 PAINT
ITEM 614 - WORK ZONE MARKING SIGNS

THE CONTRACTOR SHALL BE REQUIRED TO INSTALL WORK ZONE MARKINGS AND SIGNS AT LOCATIONS IDENTIFIED BY THE ENGINEER PER THE REQUIREMENTS OF CMS 614.04 AND 614.11.

WORK ZONE PAVEMENT MARKINGS FOR MILLED SURFACES SHALL BE CLASS III, 642 PAINT. WORK ZONE PAVEMENT MARKINGS FOR NEWLY PAVED SURFACES SHALL BE CLASS I, 807 PAINT.

PRIOR TO PLACEMENT OF ANY WORK ZONE PAVEMENT MARKINGS, THE CONTRACTOR SHALL COMPLETELY OBLITERATE, AS PER 614.10, ALL EXISTING PAVEMENT MARKINGS THAT WOULD CREATE CONFUSION OR CONFLICT WITH THE WORK ZONE PAVEMENT MARKINGS.

WORK ZONE RAISED PAVEMENT MARKERS CANNOT BE USED TO SIMULATE (REPLACE) ANY TYPE OF WORK ZONE PAVEMENT MARKING.

THE FOLLOWING ESTIMATED QUANTITY HAS BEEN CARRIED TO THE GENERAL SUMMARY FOR WORK ZONE SIGNS:

PART 1 (01/IMS/PV)
 ITEM 614 - WORK ZONE MARKING SIGN (W8-11-48 OR W8-H12a-48) --
 ---- 7 EACH

PART 2 (02/NHS/PV)
 ITEM 614 - WORK ZONE MARKING SIGN (W8-11-48 OR W8-H12a-48) --
 ---- 2 EACH

USE: 9 EACH

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY:

DELINEATION OF EXISTING AND PERMANENT GUARDRAIL

BARRIER REFLECTORS SHALL BE INSTALLED ON ALL TEMPORARY GUARDRAIL USED FOR TRAFFIC CONTROL AND ON ALL PERMANENT GUARDRAIL LOCATED WITHIN 5 FEET OF THE EDGE OF THE ADJACENT TRAVEL LANE. BARRIER REFLECTORS SHALL CONFORM TO C&MS 626 AND THE SPACING SHALL BE APPROXIMATELY 50 FEET.

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN INCLUDED IN THE PLANS AND CARRIED TO THE GENERAL SUMMARY:

PART 1 (01/IMS/PV)
 ITEM 614, BARRIER REFLECTOR, TYPE 2, (UNIDIRECTIONAL) -- 50 EACH
 PART 2 (02/NHS/PV)
 ITEM 614, BARRIER REFLECTOR, TYPE 2, (UNIDIRECTIONAL) -- 20 EACH
(USE: 70 EACH)

PART 1 (01/IMS/PV)
 ITEM 614, OBJECT MARKER, ONE-WAY ----- 50 EACH
 PART 2 (02/NHS/PV)
 ITEM 614, OBJECT MARKER, ONE-WAY ----- 20 EACH
(USE: 70 EACH)

PAYMENT SHALL BE FULL COMPENSATION FOR ALL MATERIAL, LABOR, INCIDENTALS AND EQUIPMENT NECESSARY FOR FURNISHING, INSTALLING, MAINTAINING AND REMOVING THE ABOVE ITEMS.

DUST CONTROL

THE CONTRACTOR SHALL FURNISH AND APPLY WATER FOR DUST CONTROL AS DIRECTED BY THE ENGINEER. THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN INCLUDED FOR DUST CONTROL PURPOSES:

ITEM 616 - WATER **5 M. GAL.**

WORK ZONE PAVEMENT MARKINGS TABLE

LOCATION	WORK ZONE LANE LINE, CLASS I, 6", 807 PAINT	WORK ZONE LANE LINE, CLASS III, 6", 642 PAINT	WORK ZONE EDGE LINE, CLASS I, 807 PAINT (YELLOW)	WORK ZONE EDGE LINE, CLASS I, 807 PAINT (WHITE)	WORK ZONE EDGE LINE, CLASS III, 642 PAINT (YELLOW)	WORK ZONE EDGE LINE, CLASS III, 642 PAINT (WHITE)	614				FUNDING				
	MILE	MILE	MILE	MILE	MILE	MILE	WORK ZONE STOP LINE, CLASS I, 642 PAINT	WORK ZONE STOP LINE, CLASS III, 642 PAINT	WORK ZONE CHANNELIZING LINE, CLASS I, 12", 807 PAINT	WORK ZONE CHANNELIZING LINE, CLASS III, 12", 642 PAINT		FT.	FT.	FT.	FT.
PART 1															
NORTHBOUND I.R. 77	6.99	6.99	6.99	6.66	6.99	6.66							5,982	5,982	
NORTHBOUND I.R. 77 RAMPS	0.07	0.07	1.47	1.47	1.47	1.47	124	124					473	473	
SOUTHBOUND I.R. 77	6.99	6.99	6.99	7.54	6.99	7.54							4,352	4,352	
SOUTHBOUND I.R. 77 RAMPS			1.93	2.05	1.93	2.05	125	125					831	831	
SUB-TOTALS PART 1	14.05	14.05	17.38	17.72	17.38	17.72	249	249					11,638	11,638	01/IMS/PV
PART 2															
EASTBOUND AND WESTBOUND U.S. 250	1.31	1.31	1.41	1.96	1.41	1.96							1,452	1,452	
U.S. 250 RAMPS	0.04	0.04	0.36	0.30	0.36	0.30	68	68					611	611	
SUB-TOTALS PART 2	1.35	1.35	1.77	2.26	1.77	2.26	68	68					2,063	2,063	02/NHS/PV
SUB-TOTALS (01/IMS/PV)	14.05	14.05	17.38	17.72	17.38	17.72	249	249					11,638	11,638	01/IMS/PV
SUB-TOTALS (02/NHS/PV)	1.35	1.35	1.77	2.26	1.77	2.26	68	68					2,063	2,063	02/NHS/PV
TOTALS (CARRIED TO GENERAL SUMMARY)	15.40	15.40	39.13	39.13	39.13	39.13	317	317					13,701	13,701	

DESIGN AGENCY




DESIGNER
 MVC
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 TES 05/12/22
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SHEET NUM.											PART.		ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
10	19	21	35	36	61	62	01/IMS/PV	02/NHS/PV										
ROADWAY																		
LS							LS	LS	201	11000	LS					CLEARING AND GRUBBING		
	356	95					95		202	23000	95	SY				PAVEMENT REMOVED		
		377						356	202	23500	356	SY				WEARING COURSE REMOVED		
									202	32000	377	FT				CURB REMOVED		
			6,000	13,809			13,809	6,000	202	38000	19,809	FT				GUARDRAIL REMOVED		
	305						305		203	10000	305	CY				EXCAVATION		
	152						152		203	20000	152	CY				EMBANKMENT		
		51					51		203	35001	51	CY				GRANULAR EMBANKMENT, AS PER PLAN	P.56	
	574	185					759		204	10000	759	SY				SUBGRADE COMPACTION		
		170					170		204	50001	170	SY				GEOTEXTILE FABRIC, AS PER PLAN	P.56	
			1.14	2.62			2.62	1.14	209	60500	3.76	MILE				LINEAR GRADING		
			5,568.75	13,093.75			13,093.75	5,568.75	606	15050	18,662.5	FT				GUARDRAIL, TYPE MGS		
				1			1		606	26050	1	EACH				ANCHOR ASSEMBLY, MGS TYPE B		
			8	9			9	8	606	26150	17	EACH				ANCHOR ASSEMBLY, MGS TYPE E, MASH 2016		
			7	8			8	7	606	26550	15	EACH				ANCHOR ASSEMBLY, MGS TYPE T		
			7	4			4	7	606	35003	11	EACH				MGS BRIDGE TERMINAL ASSEMBLY, TYPE 1, AS PER PLAN	P.11	
			7	1			1	7	606	35103	8	EACH				MGS BRIDGE TERMINAL ASSEMBLY, TYPE 2, AS PER PLAN	P.11	
EROSION CONTROL																		
		118					118		601	21060	118	SY				TIED CONCRETE BLOCK MAT WITH TYPE 2 UNDERLAYMENT		
		114					114		601	26001	114	CY				DUMPED ROCK FILL, TYPE B, AS PER PLAN	P.56	
		20					20		601	38001	20	FT				PAVED GUTTER, TYPE 1-4, AS PER PLAN	P.56	
		2					2		659	00100	2	EACH				SOIL ANALYSIS TEST		
		202					202		659	00300	202	CY				TOPSOIL		
	1,821						1,821		659	10000	1,821	SY				SEEDING AND MULCHING		
		91					91		659	14000	91	SY				REPAIR SEEDING AND MULCHING		
		0.25					0.25		659	20000	0.25	TON				COMMERCIAL FERTILIZER		
		0.38					0.38		659	31000	0.38	ACRE				LIME		
		10					10		659	35000	10	MGAL				WATER		
							8,850	1,150	832	30000	10,000	EACH				EROSION CONTROL		
DRAINAGE																		
						250	200	50	605	31100	250	FT				AGGREGATE DRAINS		
1							1		611	98631	1	EACH				CATCH BASIN ADJUSTED TO GRADE, AS PER PLAN	P.10	
PAVEMENT																		
						100	88	12	251	01010	100	CY				PARTIAL DEPTH PAVEMENT REPAIR (441)		
	440,084						400,429	39,655	254	01001	440,084	SY				PAVEMENT PLANING, ASPHALT CONCRETE, AS PER PLAN, 1 1/2"	P.10	
	175							175	254	01001	175	SY				PAVEMENT PLANING, ASPHALT CONCRETE, AS PER PLAN, 1 3/4"	P.10	
						1,800	1,800		255	10111	1,800	SY				FULL DEPTH PAVEMENT REMOVAL AND RIGID REPLACEMENT, CLASS QC FS, AS PER PLAN (A)	P.61	
						250		250	255	10111	250	SY				FULL DEPTH PAVEMENT REMOVAL AND RIGID REPLACEMENT, CLASS QC FS, AS PER PLAN (B)	P.61	
						6,100	5,350	750	255	20000	6,100	FT				FULL DEPTH PAVEMENT SAWING		
	98						98		301	56000	98	CY				ASPHALT CONCRETE BASE, PG64-22, (449)		
	132	19					151		304	20000	151	CY				AGGREGATE BASE		
	37,507						34,086	3,421	407	10000	37,507	GAL				TACK COAT		
	16,873						15,452	1,421	408	10001	16,873	GAL				PRIME COAT, AS PER PLAN	P.10	
	10,735						9,718	1,017	442	00100	10,735	CY				ANTI-SEGREGATION EQUIPMENT		
	18,396						16,715	1,681	442	10351	18,396	CY				ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE B (447), AS PER PLAN	P.10	
		416					416		609	23001	416	FT				COMBINATION CURB AND GUTTER, TYPE 4, AS PER PLAN	P.56	
			55					55	609	24510	55	FT				CURB, TYPE 4-C		
	84,375						77,282	7,093	617	20001	84,375	SY				SHOULDER PREPARATION, AS PER PLAN	P.10	
	2,193						2,045	148	617	10101	2,193	CY				COMPACTED AGGREGATE, AS PER PLAN	P.10	
	159,615						146,065	13,550	618	40100	159,615	FT				RUMBLE STRIPS, SHOULDER (ASPHALT CONCRETE)		

GENERAL SUMMARY

DESIGN AGENCY



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MVC


REVIEWER
TES 05/12/22

PROJECT ID
107570

SHEET TOTAL
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SHEET NUM.						PART.		ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.		
20	35	36	37	65	01/IMS/PV	02/NHS/PV									
												TRAFFIC CONTROL			
							1,324	1,173	151	621	00100	1,324	EACH	RPM	
							1,302	1,151	151	621	54000	1,302	EACH	RAISED PAVEMENT MARKER REMOVED	
	9								9	626	00102	9	EACH	BARRIER REFLECTOR, TYPE 1, ONE WAY	
	78		79					79	78	626	00110	157	EACH	BARRIER REFLECTOR, TYPE 2, ONE WAY	
	19		137					137	19	626	00110	156	EACH	BARRIER REFLECTOR, TYPE 2, BI-DIRECTIONAL	
									60	630	02100	60	FT	GROUND MOUNTED SUPPORT, NO. 2 POST	
									54	630	03100	54	FT	GROUND MOUNTED SUPPORT, NO. 3 POST	
									8	630	08600	8	EACH	SIGN POST REFLECTOR	
									62	630	80100	62	SF	SIGN, FLAT SHEET	
							2,290	2,290		642	00800	2,290	FT	CURB MARKING, TYPE 1	
							120	120		642	00900	120	SF	ISLAND MARKING, TYPE 1	
							346	278	68	646	10400	346	FT	STOP LINE	
							228	228	100	646	10520	228	FT	CROSSWALK LINE, 24"	
							37	25	12	646	20300	37	EACH	LANE ARROW	
							8	6	2	646	20320	8	EACH	WRONG WAY ARROW	
							39.13	35.1	4.03	807	12010	39.13	MILE	WET REFLECTIVE EPOXY PAVEMENT MARKING, EDGE LINE, 6"	
							15.4	14.05	1.35	807	12110	15.4	MILE	WET REFLECTIVE EPOXY PAVEMENT MARKING, LANE LINE, 6"	
							13,872	11,638	2,234	807	12310	13,872	FT	WET REFLECTIVE EPOXY PAVEMENT MARKING, CHANNELIZING LINE, 12"	
							15,170	12,941	2,229	807	12410	15,170	FT	WET REFLECTIVE EPOXY PAVEMENT MARKING, DOTTED LINE, 6"	
							53.89	49.15	4.74	850	10010	53.89	MILE	GROOVING FOR 6" RECESSED PAVEMENT MARKING, (ASPHALT)	
							14,644	12,941	1,703	850	10110	14,644	FT	GROOVING FOR 6" RECESSED PAVEMENT MARKING, (ASPHALT)	
							13,530	11,638	1,892	850	10130	13,530	FT	GROOVING FOR 12" RECESSED PAVEMENT MARKING, (ASPHALT)	
							0.64		0.64	850	20010	0.64	MILE	GROOVING FOR 6" RECESSED PAVEMENT MARKING, (CONCRETE)	
							525		525	850	20110	525	FT	GROOVING FOR 6" RECESSED PAVEMENT MARKING, (CONCRETE)	
							342		342	850	20130	342	FT	GROOVING FOR 12" RECESSED PAVEMENT MARKING, (CONCRETE)	
														STRUCTURE REPAIR (TUS-77-2089L, SFN: 7902883)	
34									34	846	00111	34	CF	POLYMER MODIFIED ASPHALT EXPANSION JOINT SYSTEM, AS PER PLAN	P.63
														STRUCTURE REPAIR (TUS-77-2089R, SFN: 7902913)	
54									54	846	00111	54	CF	POLYMER MODIFIED ASPHALT EXPANSION JOINT SYSTEM, AS PER PLAN	P.63
														STRUCTURE REPAIR (TUS-77-2195L, SFN: 7902972)	
60									60	846	00111	60	CF	POLYMER MODIFIED ASPHALT EXPANSION JOINT SYSTEM, AS PER PLAN	P.63
														STRUCTURE REPAIR (TUS-77-2195R, SFN: 7903006)	
60									60	846	00111	60	CF	POLYMER MODIFIED ASPHALT EXPANSION JOINT SYSTEM, AS PER PLAN	P.63
														STRUCTURE REPAIR (TUS-77-2217L, SFN: 7903030)	
36									36	846	00111	36	CF	POLYMER MODIFIED ASPHALT EXPANSION JOINT SYSTEM, AS PER PLAN	P.63
														STRUCTURE REPAIR (TUS-77-2217R, SFN: 7903065)	
36									36	846	00111	36	CF	POLYMER MODIFIED ASPHALT EXPANSION JOINT SYSTEM, AS PER PLAN	P.63
														STRUCTURE REPAIR (TUS-77-2337L, SFN: 7903243)	
42									42	846	00111	42	CF	POLYMER MODIFIED ASPHALT EXPANSION JOINT SYSTEM, AS PER PLAN	P.63
														STRUCTURE REPAIR (TUS-77-2337R, SFN: 7903278)	
42									42	846	00111	42	CF	POLYMER MODIFIED ASPHALT EXPANSION JOINT SYSTEM, AS PER PLAN	P.63

GENERAL SUMMARY

DESIGN AGENCY	
	
DESIGNER	MVC
REVIEWER	TES 05/12/22
PROJECT ID	107570
SHEET	TOTAL
P.17	71

SHEET NUM.					PART.		ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
12	13	14	15	01/IMS/PV	02/NHS/PV							
											MAINTENANCE OF TRAFFIC	
	1,800		9		1,585	215	614	11110	1,800	HO	LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE	
		9			7	2	614	12460	9	EACH	WORK ZONE MARKING SIGN	
					7	2	614	12484	9	EACH	WORK ZONE INCREASED PENALTIES SIGN	
	50				44	6	614	13001	50	CY	ASPHALT CONCRETE FOR MAINTAINING TRAFFIC, AS PER PLAN	P.13
		100			70	30	614	13310	100	EACH	BARRIER REFLECTOR, TYPE 1, (ONE WAY)	
			70		50	20	614	13312	70	EACH	BARRIER REFLECTOR, TYPE 2, (UNIDIRECTIONAL)	
		100	70		120	50	614	13350	170	EACH	OBJECT MARKER, ONE WAY, (ONE WAY)	
	88				72	16	614	18600	88	SNMT	PORTABLE CHANGEABLE MESSAGE SIGN	
			15.4		14.05	1.35	614	20056	15.4	MILE	WORK ZONE LANE LINE, CLASS I, 6", 807 PAINT	
			15.4		14.05	1.35	614	20560	15.4	MILE	WORK ZONE LANE LINE, CLASS III, 6", 642 PAINT	
			39.13		35.1	4.03	614	22056	39.13	MILE	WORK ZONE EDGE LINE, CLASS I, 6", 807 PAINT	
			39.13		35.1	4.03	614	22360	39.13	MILE	WORK ZONE EDGE LINE, CLASS III, 6", 642 PAINT	
			13,701		11,638	2,063	614	23110	13,701	FT	WORK ZONE CHANNELIZING LINE, CLASS I, 12", 807 PAINT	
			13,701		11,638	2,063	614	23690	13,701	FT	WORK ZONE CHANNELIZING LINE, CLASS III, 12", 642 PAINT	
			317		249	68	614	26200	317	FT	WORK ZONE STOP LINE, CLASS I, 642 PAINT	
			317		249	68	614	26610	317	FT	WORK ZONE STOP LINE, CLASS III, 642 PAINT	
			5		5		616	10000	5	MGAL	WATER	
		72			56	16	808	18700	72	SNMT	DIGITAL SPEED LIMIT (DSL) SIGN ASSEMBLY	
											INCIDENTALS	
LS					LS	LS	614	11001	LS		MAINTAINING TRAFFIC, AS PER PLAN	P.12
					7	1	619	16020	8	MNTH	FIELD OFFICE, TYPE C	
					LS	LS	623	10000	LS		CONSTRUCTION LAYOUT STAKES AND SURVEYING	
					LS	LS	624	10000	LS		MOBILIZATION	

GENERAL SUMMARY

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DESIGNER

MVC

REVIEWER

TES 05/12/22

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SHEET

P.18

TOTAL

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PAVEMENT SUBSUMMARY

SHEET NO.	202	203		204	254		301	304	407	408	442		617		618	659	FUNDING
	WEARING COURSE REMOVED	EXCAVATION	EMBANKMENT	SUBGRADE COMPACTION	PAVEMENT PLANING, ASPHALT CONCRETE, AS PER PLAN	PAVEMENT PLANING, ASPHALT CONCRETE, AS PER PLAN	ASPHALT CONCRETE BASE, PG64-22, (449)	AGGREGATE BASE	TACK COAT	PRIME COAT, AS PER PLAN	ASPHALT CONCRETE SURFACE COURSE, 12.5MM, TYPE B (447), AS PER PLAN	ANTI-SEGREGATION EQUIPMENT	SHOULDER PREPARATION, AS PER PLAN	COMPACTED AGGREGATE, AS PER PLAN	RUMBLE STRIPS, SHOULDER (ASPHALT CONCRETE)	SEEDING AND MULCHING	
					1 1/2"	1 3/4"											
SQ. YD.	CU. YD.	CU. YD.	SQ. YD.	SQ. YD.	SQ. YD.	CU. YD.	CU. YD.	GAL.	GAL.	CU. YD.	CU. YD.	SQ. YD.	CU. YD.	FT.	SQ. YD.		
PART 1																	
SUB-TOTALS CARRIED FROM SHEET P.38					120,240				10,222		5,011	5,011					
SUB-TOTALS CARRIED FROM SHEET P.39					16,251				1,381	3,145	676		15,733	437	36914.12		
SUB-TOTALS CARRIED FROM SHEET P.40					39,000				3,319	3,146	1,623		15,724	436	36914.09		
SUB-TOTALS CARRIED FROM SHEET P.41					112,931				9,599		4,707	4,707					
SUB-TOTALS CARRIED FROM SHEET P.42					16,220				1,378	3,145	676		15,733	437	36910.92		
SUB-TOTALS CARRIED FROM SHEET P.43					38,751				3,296	3,050	1,613		15,248	425	35326.29		
SUB-TOTALS CARRIED FROM SHEET P.44					17,712				1,505		739						
SUB-TOTALS CARRIED FROM SHEET P.45					20,804				1,767		864						
SUB-TOTALS CARRIED FROM SHEET P.46					8,078				687	1,415	337		7,086	148			
SUB-TOTALS CARRIED FROM SHEET P.47					8,966				763	1,551	373		7,758	162			
SUB-TOTALS CARRIED FROM SHEET P.58		65	76	287			49	66	22		17					830	
SUB-TOTALS CARRIED FROM SHEET P.59					1,476				125		62						
SUB-TOTALS CARRIED FROM SHEET P.60		240	76	287			49	66	22		17					991	
SUB-TOTALS: PART 1		305	152	574	400,429		98	132	34,086	15,452	16,715	9,718	77,282	2,045	146,065	1,821	01/IMS/PV
PART 2																	
SUB-TOTALS CARRIED FROM SHEET P.48	356				23,723	175			2,064		1,017	1,017					
SUB-TOTALS CARRIED FROM SHEET P.49					9,331				794	1,138	388		5,685	119	13,549.98		
SUB-TOTALS CARRIED FROM SHEET P.50					4,775				407		200						
SUB-TOTALS CARRIED FROM SHEET P.51					1,538				132	283	64		1,408	29			
SUB-TOTALS CARRIED FROM SHEET P.57					288				24		12						
SUB-TOTALS: PART 2	356				39,655	175			3,421	1,421	1,681	1,017	7,093	148	13,550		02/NHS/PV
SUB-TOTALS: 01/IMS/PV		305	152	574	400,429		98	132	34,086	15,452	16,715	9,718	77,282	2,045	146,065	1,821	01/IMS/PV
SUB-TOTALS: 02/NHS/PV	356				39,655	175			3,421	1,421	1,681	1,017	7,093	148	13,550		02/NHS/PV
TOTALS CARRIED TO GENERAL SUMMARY	356	305	152	574	440,084	175	98	132	37,507	16,873	18,396	10,735	84,375	2,193	159,615	1,821	

PAVEMENT SUBSUMMARY

RAMP "C"
D1 = 3° 30'
D2 = 10°
Δ1 = 3° 30'
Δ2 = 10°
Δ1+ Δ2 = 13° 30'
Θs = 6° 30'
Ls = 200.00'
T1 = 116.53'
T2 = 84.40'
Pa = 1.89'

RAMP "C"
P.I. STA. 39+80.12
Δ = 36° 19' 28" (RT)
Dc = 10° 00' 00"
R = 572.96'
T = 187.96'
L = 363.24'
Es = 53.39'

RAMP "C"
Δ = 46° 19' 28" (RT)
Ls = 200.00'
Θs = 10° 00' 00"
LT = 133.55'
ST = 66.86'
x = 199.39'
y = 11.61'
k = 99.90'
p = 2.91'
Ts = 342.24' Ah.

I.R. 77
P.I. Sta. 460+87.05
Δ = 98° 28' 07" (RT)
Dc = 2° 00' 00"
R = 2,864.79'
Ls = 300.00'
Θs = 3° 00' 00"
LT = 200.03'
ST = 100.03'
x = 299.92'
y = 5.24'
k = 149.99'
p = 1.31'
Δc = 92° 28' 07" (RT)
Lc = 4,623.43'
Ts = 3,474.42'
Es = 1,524.56'
emax = 0.064 FT./FT.
C.S. Sta. 475+36.07
S.T. Sta. 478+36.07

RAMP "A"
P.I. STA. 44+12.16
Δ = 32° 22' 24" (LT)
Dc = 10° 00' 00"
R = 572.96'
Ls = 200.00'
Θs = 10° 00' 00"
LT = 133.55'
ST = 66.86'
x = 199.39'
y = 11.61'
k = 99.90'
p = 2.91'
Δc = 12° 22' 24" (LT)
Lc = 123.73'
Ts = 267.06'
Es = 26.68'

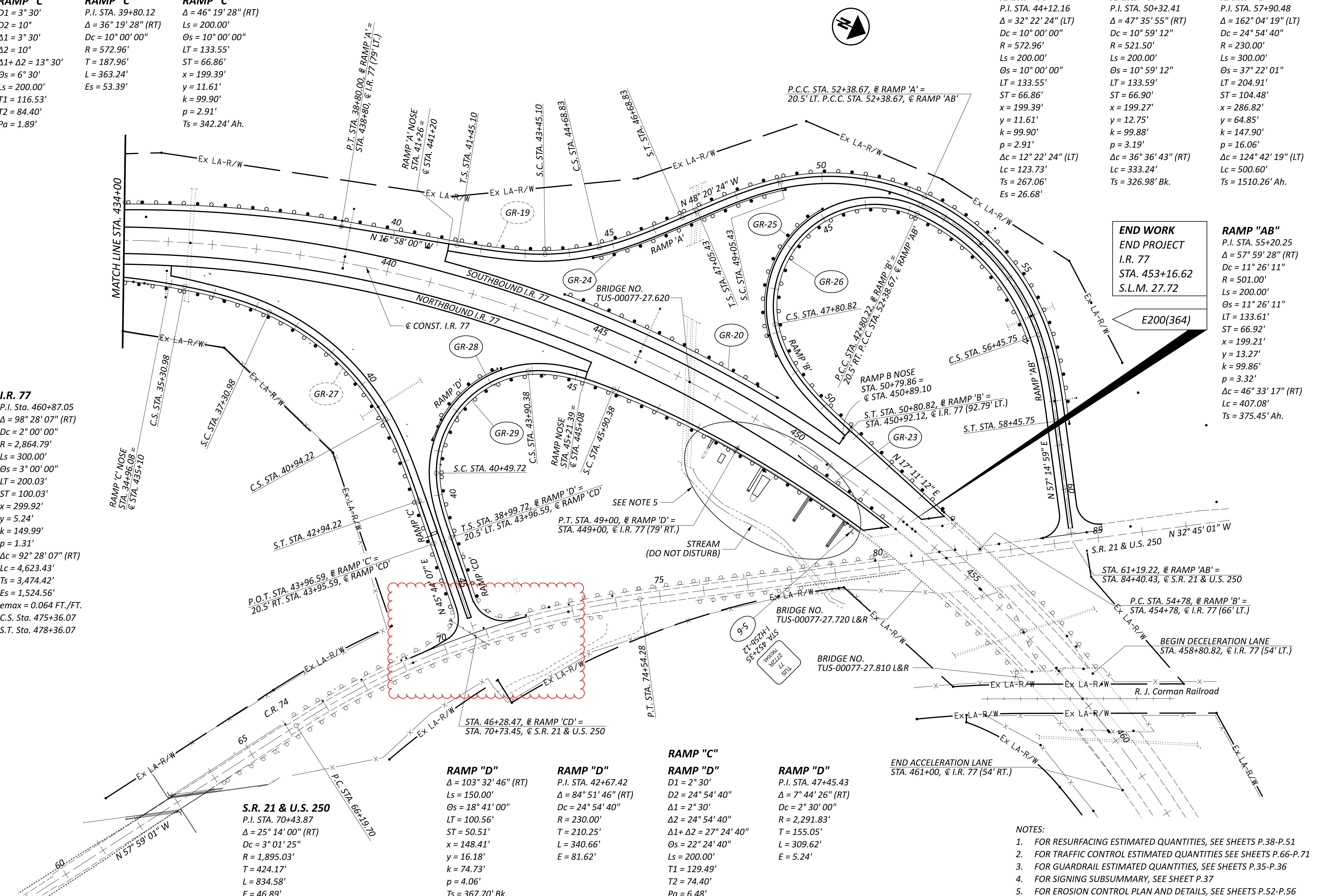
RAMP "A"
P.I. STA. 50+32.41
Δ = 47° 35' 55" (RT)
Dc = 10° 59' 12"
R = 521.50'
Ls = 200.00'
Θs = 10° 59' 12"
LT = 133.59'
ST = 66.90'
x = 199.27'
y = 12.75'
k = 99.88'
p = 3.19'
Δc = 36° 36' 43" (RT)
Lc = 333.24'
Ts = 326.98' Bk.

RAMP "B"
P.I. STA. 57+90.48
Δ = 162° 04' 19" (LT)
Dc = 24° 54' 40"
R = 230.00'
Ls = 300.00'
Θs = 37° 22' 01"
LT = 204.91'
ST = 104.48'
x = 286.82'
y = 64.85'
k = 147.90'
p = 16.06'
Δc = 124° 42' 19" (LT)
Lc = 500.60'
Ts = 1510.26' Ah.

RAMP "AB"
P.I. STA. 55+20.25
Δ = 57° 59' 28" (RT)
Dc = 11° 26' 11"
R = 501.00'
Ls = 200.00'
Θs = 11° 26' 11"
LT = 133.61'
ST = 66.92'
x = 199.21'
y = 13.27'
k = 99.86'
p = 3.32'
Δc = 46° 33' 17" (RT)
Lc = 407.08'
Ts = 375.45' Ah.

**END WORK
END PROJECT
I.R. 77
STA. 453+16.62
S.L.M. 27.72**

E200(364)



S.R. 21 & U.S. 250
P.I. STA. 70+43.87
Δ = 25° 14' 00" (RT)
Dc = 3° 01' 25"
R = 1,895.03'
T = 424.17'
L = 834.58'
E = 46.89'

RAMP "D"
Δ = 103° 32' 46" (RT)
Ls = 150.00'
Θs = 18° 41' 00"
LT = 100.56'
ST = 50.51'
x = 148.41'
y = 16.18'
k = 74.73'
p = 4.06'
Ts = 367.70' Bk.

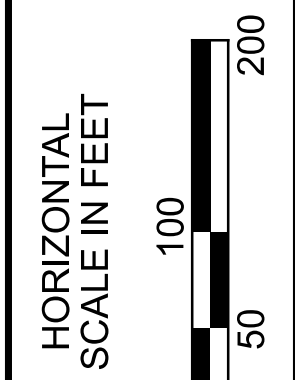
RAMP "D"
P.I. STA. 42+67.42
Δ = 84° 51' 46" (RT)
Dc = 24° 54' 40"
R = 230.00'
T = 210.25'
L = 340.66'
E = 81.62'

RAMP "D"
D1 = 2° 30'
D2 = 24° 54' 40"
Δ1 = 2° 30'
Δ2 = 24° 54' 40"
Δ1+ Δ2 = 27° 24' 40"
Θs = 22° 24' 40"
Ls = 200.00'
T1 = 129.49'
T2 = 74.40'
Pa = 6.48'

RAMP "D"
P.I. STA. 47+45.43
Δ = 7° 44' 26" (RT)
Dc = 2° 30' 00"
R = 2,291.83'
T = 155.05'
L = 309.62'
E = 5.24'

**END ACCELERATION LANE
STA. 461+00, @ I.R. 77 (54' RT.)**

- NOTES:**
- 1. FOR RESURFACING ESTIMATED QUANTITIES, SEE SHEETS P.38-P.51
 - 2. FOR TRAFFIC CONTROL ESTIMATED QUANTITIES SEE SHEETS P.66-P.71
 - 3. FOR GUARDRAIL ESTIMATED QUANTITIES, SEE SHEETS P.35-P.36
 - 4. FOR SIGNING SUBSUMMARY, SEE SHEET P.37
 - 5. FOR EROSION CONTROL PLAN AND DETAILS, SEE SHEETS P.52-P.56



**PLAN SHEET - I.R. 77
STA. 434+00 TO STA. 462+50**

DESIGN AGENCY	
DESIGNER	MVC
REVIEWER	TES 05/12/22
PROJECT ID	107570
SHEET TOTAL	P.34 71

RESURFACING ESTIMATED QUANTITIES - I.R. 77 RAMPS

LOCATION	STATION		LENGTH FT.	WIDTH FT.	PAVEMENT AREA SQ. YD.	PROPOSED PAVEMENT TREATMENT					FUNDING	COMMENTS
						202	254	407	442			
						WEARING COURSE REMOVED	PAVEMENT PLANING, ASPHALT CONCRETE, AS PER PLAN	TACK COAT	THICKNESS	ASPHALT CONCRETE SURFACE COURSE, 12.5MM, TYPE B (447), AS PER PLAN		
FROM	TO	FT.	FT.	SQ. YD.	SQ. YD.	SQ. YD.	IN.	CU. YD.				
PART 1												
C.R. 80 INTERCHANGE - EXIT 85												
NORTHBOUND I.R. 77 RAMPS												
RAMP B												
FROM GORE TO TRANSITION	299+92.36	304+30.00	437.64	16	778	778	66	1 1/2	32			
TAPER	304+30.00	304+80.00	50.00	16-24	111	111	9	1 1/2	5			
TURNLANES	304+80.00	308+69.04	389.04	24	1,037	1,037	88	1 1/2	43			
EXTRA FOR INTERSECTION					293	293	25	1 1/2	12		CADD AREA	
RAMP D												
EXTRA FOR INTERSECTION					321	321	27	1 1/2	13		CADD AREA	
LANE	308+46.22	318+45.95	999.73	16	1,777	1,777	151	1 1/2	74			
SOUTHBOUND I.R. 77 RAMPS												
RAMP A												
LANE FROM RAMP GORE	298+52.24	312+35.44	1383.20	16	2,459	2,459	209	1 1/2	102			
EXTRA FOR INTERSECTION					293	293	25	1 1/2	12		CADD AREA	
RAMP C												
EXTRA FOR INTERSECTION					275	275	23	1 1/2	11		CADD AREA	
TURNLANES	311+10.47	315+00.00	389.53	24	1,039	1,039	88	1 1/2	43			
TAPER	315+00.00	315+50.00	50.00	24-16	111	111	9	1 1/2	5			
FROM TRANSITION TO GORE	315+50.00	325+47.86	997.86	16	1,774	1,774	151	1 1/2	74			
U.S.250/S.R. 21 INTERCHANGE - EXIT 87												
NORTHBOUND I.R. 77 RAMPS												
RAMP C												
LANES FROM RAMP GORE	34+96.08	46+28.47	1132.39	16	2,013	2,013	171	1 1/2	84			
EXTRA FOR INTERSECTION					146	146	12	1 1/2	6		CADD AREA	
RAMP D												
EXTRA FOR INTERSECTION					173	173	15	1 1/2	7		CADD AREA	
LANE	36+67.84	45+21.39	853.55	16	1,517	1,517	129	1 1/2	63			
SOUTHBOUND I.R. 77 RAMPS												
RAMP A												
LANE FROM RAMP GORE	41+26.00	61+03.22	1977.22	16	3,515	3,515	299	1 1/2	146			
EXTRA FOR INTERSECTION					145	145	12	1 1/2	6		CADD AREA	
RAMP B												
EXTRA FOR INTERSECTION					67	67	6	1 1/2	3		CADD AREA	
RAMP AB LANE	52+38.67	61+03.22	864.55	16	1,537	1,537	131	1 1/2	64			
LANE TO GORE	42+80.22	50+80.82	800.60	16	1,423	1,423	121	1 1/2	59		STA. EQUATION STA. 52+38.67, RAMP 'AB' = STA. 42+80.22, RAMP B	
SUB-TOTALS: PART 1 CARRIED TO SHEET P.19						20,804	1,767		864	01/IMS/PV		

DESIGN AGENCY



DESIGNER
MVC
 REVIEWER
TES 05/12/22
 PROJECT ID
107570
 SHEET TOTAL
P.45 | 71

PAVEMENT MARKING SUBSUMMARY

SHEET NO.	621		642		646				807			850							FUNDING	
	RPM	RAISED PAVEMENT MARKER REMOVED	CURB MARKING, TYPE 1 (YELLOW)	ISLAND MARKING, TYPE 1 (YELLOW)	STOP LINE	CROSSWALK LINE, 12"	LANE ARROW	WRONG WAY ARROW	WET REFLECTIVE EPOXY PAVEMENT MARKING, EDGE LINE, 6" (YELLOW)	WET REFLECTIVE EPOXY PAVEMENT MARKING, EDGE LINE, 6" (WHITE)	WET REFLECTIVE EPOXY PAVEMENT MARKING, LANE LINE, 6"	WET REFLECTIVE EPOXY PAVEMENT MARKING, CHANNELIZING LINE, 12"	WET REFLECTIVE EPOXY PAVEMENT MARKING, DOTTED LINE, 6" (WHITE)	GROOVING FOR 6" RECESSES PAVEMENT MARKING, (ASPHALT)	GROOVING FOR 6" RECESSES PAVEMENT MARKING, (ASPHALT)	GROOVING FOR 12" RECESSES PAVEMENT MARKING, (ASPHALT)	GROOVING FOR 6" RECESSES PAVEMENT MARKING, (CONCRETE)	GROOVING FOR 6" RECESSES PAVEMENT MARKING, (CONCRETE)		GROOVING FOR 12" RECESSES PAVEMENT MARKING, (CONCRETE)
	EACH	EACH	FT.	SQ. FT.	FT.	FT.	EACH	EACH	MILE	MILE	MILE	FT.	FT.	MILE	FT.	FT.	MILE	FT.	FT.	
PART 1																				
SUB-TOTALS CARRIED FROM SHEET P.66	413	413							13.65	6.99		5,982	7,218	20.64	7,218	5,982				
SUB-TOTALS CARRIED FROM SHEET P.67	398	398							14.53	6.99		4,352	5,723	21.52	5,723	4,352				
SUB-TOTALS CARRIED FROM SHEET P.68	164	142	540	60	124		11	3	2.94	0.07		473		3.01		473				
SUB-TOTALS CARRIED FROM SHEET P.69	198	198	1,750	60	154	128	14	3	3.98			831		3.98		831				
SUB-TOTALS: PART 1	1,173	1,151	2,290	120	278	128	25	6	35.10	14.05		11,638	12,941	49.15	12,941	11,638				01/IMS/PV
PART 2																				
SUB-TOTALS CARRIED FROM SHEET P.70	81	81							3.37	1.31		1,452	2,229	4.10	1,703	1,110	0.58	525	342	
SUB-TOTALS CARRIED FROM SHEET P.71	70	70			68	100	12	2	0.66	0.04		782		0.64		782	0.06			
SUB-TOTALS: PART 2	151	151			68	100	12	2	4.03	1.35		2,234	2,229	4.74	1,703	1,892	0.64	525	342	02/NHS/PV
SUB-TOTALS: 01/IMS/PV	1,173	1,151	2,290	120	278	128	25	6	35.10	14.05		11,638	12,941	49.15	12,941	11,638				01/IMS/PV
SUB-TOTALS: 02/NHS/PV	151	151			68	100	12	2	4.03	1.35		2,234	2,229	4.74	1,703	1,892	0.64	525	342	02/NHS/PV
TOTALS CARRIED TO GENERAL SUMMARY	1,324	1,302	2,290	120	346	228	37	8	39.13	15.40		13,872	15,170	53.89	14,644	13,530	0.64	525	342	

TRAFFIC CONTROL SUBSUMMARY

DESIGN AGENCY



DESIGNER

MVC

REVIEWER

TES 05/12/22

PROJECT ID

107570

SHEET

P.65

TOTAL

71

TRAFFIC CONTROL ESTIMATED QUANTITIES - NORTHBOUND I.R. 77

LOCATION	STATION		SIDE (DIRECTION OF TRAVEL)	621					642		646					807			850					FUNDING	COMMENTS
				SPACING FT.	1-WAY	WHITE/ RED	YELLOW/ RED	YELLOW/ YELLOW	RAISED PAVEMENT MARKER REMOVED	CURB MARKING, TYPE 1 (YELLOW) FT.	ISLAND MARKING, TYPE 1 (YELLOW) SQ. FT.	STOP LINE FT.	CROSSWALK LINE, 24" FT.	LANE ARROW EACH	WRONG WAY ARROW EACH	WET REFLECTIVE EPOXY PAVEMENT MARKING, EDGE LINE, 6" (YELLOW) MILE	WET REFLECTIVE EPOXY PAVEMENT MARKING, EDGE LINE, 6" (WHITE) MILE	WET REFLECTIVE EPOXY PAVEMENT MARKING, LANE LINE, 6" MILE	WET REFLECTIVE EPOXY PAVEMENT MARKING, CHANNELIZING LINE, 12" FT.	WET REFLECTIVE EPOXY PAVEMENT MARKING, DOTTED LINE, 6" (WHITE) FT.	GROOVING FOR 6" RECESSES PAVEMENT MARKING, (ASPHALT) MILE	GROOVING FOR 6" RECESSES PAVEMENT MARKING, (ASPHALT) FT.	GROOVING FOR 12" RECESSES PAVEMENT MARKING, (ASPHALT) FT.		
	EACH	EACH			EACH	EACH	EACH	EACH	EACH																
FROM	TO	FT.	EACH	EACH	EACH	EACH	EACH	FT.	SQ. FT.	FT.	FT.	EACH	EACH	MILE	MILE	MILE	FT.	FT.	MILE	FT.	FT.				
PART 1																									
I.R. 77 NORTHBOUND MAINLINE		84+02.50	453+16.62	LT.										6.99											
		84+02.50	453+16.62	CENTER	120	309			309																
		84+02.50	90+23.93	RT.																					
		108+00.00	214+78.65	RT.																					
		214+78.65	231+50.00	RT.																					
		231+50.00	299+95.89	RT.																					
		299+95.89	318+43.58	RT.																					
		318+43.58	435+10.00	RT.																					
		435+10.00	445+08.00	RT.																					
		445+08.00	453+16.62	RT.																					
ACCEL. LANE - U.S. 250		90+23.93	95+11.89	LT.	40				13									975.92							
		95+11.89	108+00.00	LT.															1288.11			1288.11			
ACCEL. LANE - RAMP 'B'		108+00.00	112+24.96	LT.	40				12									849.92							
		112+24.96	124+50.00	LT.															1225.04			1225.04			
DECEL. LANE - RAMP 'H'		202+76.98	211+94.38	LT.															917.40			917.40			
		211+94.38	214+78.65	LT.	40				15									568.54							568.54
ACCEL. LANE - RAMP 'J'		231+50.00	235+90.94	LT.	40				12									881.88							881.88
		235+90.94	248+00.00	LT.															1209.06			1209.06			
DECEL. LANE - RAMP 'B'		291+95.00	297+16.70	LT.															521.70			521.70			
		297+16.70	299+95.89	LT.	40				15									558.38							558.38
ACCEL. LANE - RAMP 'D'		318+43.58	321+96.87	LT.	40				10									706.58							706.58
		321+96.87	333+50.00	LT.															1153.13			1153.13			
DECEL. LANE - RAMP 'C'		426+94.58	432+02.22	LT.															507.64			507.64			
		432+02.22	435+10.00	LT.	40				16									615.56							615.56
ACCEL. LANE - RAMP 'D'		445+08.00	449+20.55	LT.	40				11									825.10							825.10
		449+20.55	453+16.62	LT.															396.07			396.07			
SUB-TOTALS CARRIED TO SHEET P.65					309	104			413					6.99	6.66	6.99		5981.88	7218.15	20.64	7218.15	5981.88			

TRAFFIC CONTROL ESTIMATED QUANTITIES

DESIGN AGENCY




DESIGNER: MVC
REVIEWER: TES 05/12/22
PROJECT ID: 107570
SHEET TOTAL: P.66 | 71

TRAFFIC CONTROL ESTIMATED QUANTITIES - SOUTHBOUND I.R. 77

LOCATION	STATION		SIDE (DIRECTION OF TRAVEL)	621					RAISED PAVEMENT MARKER REMOVED EACH	642		STOP LINE FT.	646			WRONG WAY ARROW EACH	WET REFLECTIVE EPOXY PAVEMENT MARKING, EDGE LINE, 6" (YELLOW) MILE	WET REFLECTIVE EPOXY PAVEMENT MARKING, EDGE LINE, 6" (WHITE) MILE	WET REFLECTIVE EPOXY PAVEMENT MARKING, LANE LINE, 6" MILE	807	WET REFLECTIVE EPOXY PAVEMENT MARKING, CHANNELIZING LINE, 12" FT.	WET REFLECTIVE EPOXY PAVEMENT MARKING, DOTTED LINE, 6" (WHITE) FT.	850			FUNDING	COMMENTS		
	FROM	TO		SPACING FT.	1-WAY WHITE EACH	WHITE/ RED EACH	YELLOW/ RED EACH	YELLOW/ YELLOW/ EACH		CURB MARKING, TYPE 1 (YELLOW) FT.	ISLAND MARKING, TYPE 1 (YELLOW) SQ. FT.		CROSSWALK LINE, 24" FT.	LANE ARROW EACH	WET REFLECTIVE EPOXY PAVEMENT MARKING, 6" (YELLOW) MILE								WET REFLECTIVE EPOXY PAVEMENT MARKING, 6" (WHITE) MILE	WET REFLECTIVE EPOXY PAVEMENT MARKING, LANE LINE, 6" MILE	GROOVING FOR 6" RECESSES PAVEMENT MARKING, (ASPHALT) MILE			GROOVING FOR 6" RECESSES PAVEMENT MARKING, (ASPHALT) FT.	GROOVING FOR 12" RECESSES PAVEMENT MARKING, (ASPHALT) FT.
PART 1																													
I.R. 77 SOUTHBOUND MAINLINE	84+02.50	453+16.62	LT.													6.99													
	84+02.50	453+16.62	CENTER	120	309																								
	84+02.50	108+77.09	RT.																										
	119+62.97	217+15.35	RT.																										
	217+15.35	235+50.00	RT.																										
	235+50.00	298+56.41	RT.																										
	298+56.41	325+47.86	RT.																										
	325+47.86	441+20.00	RT.																										
	441+20.00	490+92.12	RT.																										
	450+92.12	453+16.62	RT.																										
DECEL. LANE - U.S. 250	108+77.09	111+94.93	LT.	40		17																							
	111+94.93	119+62.97	LT.																										
ACCEL. LANE - RAMP 'G'	201+15.75	213+40.02	LT.																										
	213+40.02	217+15.35	LT.	40		10																							
DECEL. LANE - RAMP 'I'	235+50.00	238+29.61	LT.	40		15																							
	238+29.61	247+50.00	LT.																										
ACCEL. LANE - RAMP 'A'	283+50.00	295+03.30	LT.																										
	295+03.30	298+56.41	LT.	40		10																							
DECEL. LANE - RAMP 'C'	325+47.86	328+26.21	LT.	40		15																							
	328+26.21	333+48.00	LT.																										
ACCEL. LANE - RAMP 'A'	426+80.00	437+84.11	LT.																										
	437+84.11	441+20.00	LT.	40		9																							
DECEL. LANE - RAMP 'B'	450+92.12	453+28.02	LT.	40		13																							
	453+28.02	453+58.75	LT.																										
SUB-TOTALS CARRIED TO SHEET P.65					309	89			398							6.99	7.54	6.99		4352.06	5722.63	21.52	5722.63	4352.06					

TRAFFIC CONTROL ESTIMATED QUANTITIES

DESIGN AGENCY



DESIGNER
MVC

REVIEWER
TES 05/12/22


PROJECT ID
107570

SHEET TOTAL
P.67 71

TRAFFIC CONTROL ESTIMATED QUANTITIES - NORTHBOUND I.R. 77 RAMP

LOCATION	STATION		SIDE (DIRECTION OF TRAVEL)	621					RAISED PAVEMENT MARKER REMOVED	642		646					807			850					FUNDING	COMMENTS								
	FROM	TO		SPACING	1-WAY WHITE	WHITE/RED	YELLOW/RED	YELLOW/YELLOW		FT.	SQ. FT.	STOP LINE	CROSSWALK LINE, 24"	LANE ARROW	WRONG WAY ARROW	WET REFLECTIVE EPOXY PAVEMENT MARKING, EDGE LINE, 6" (YELLOW)	WET REFLECTIVE EPOXY PAVEMENT MARKING, EDGE LINE, 6" (WHITE)	WET REFLECTIVE EPOXY PAVEMENT MARKING, LANE LINE, 6"	FT.	FT.	MILE	FT.	FT.	MILE										
PART 1																																		
I.R. 77 NORTHBOUND																																		
U.S. 250/S.R. 39 INTERCHANGE - EXIT 81																																		
RAMP 'E'	5+88.39	16+25.12	LT.	80			14	14															0.20							SEE RAMP 'E/F'				
	5+88.39	16+25.12	RT.																						0.20				SEE RAMP 'E/F'					
RAMP 'B'	0+35.85	15+78.79	LT.	80			20	20																										
	0+35.85	15+78.79	RT.																															
S.R. 39 INTERCHANGE - EXIT 83																																		
RAMP 'H'	12+00.00	19+42.64	LT.	80/40			16	16																							INSTALL RPM'S PER SCD 73.20			
	12+00.00	19+42.64	RT.	40		11																									INSTALL RPM'S PER SCD 73.20			
	14+50.00	18+00.00	CENTER	40		10		10																										
	18+00.00	19+23.00	CENTER	40		4		4																										
	15+80.00		LT. & RT.																															
	18+26.00		LT.																															
RAMP 'J'	0+31.46	10+07.02	LT.	80			13	13																										
	0+31.46	10+07.02	RT.																															
C.R. 80 INTERCHANGE - EXIT 85																																		
RAMP 'B'	299+92.36	307+67.24	LT.	80/40			16	16																									INSTALL RPM'S PER SCD 73.20	
	299+92.36	307+67.24	RT.	40		11																											INSTALL RPM'S PER SCD 73.20	
	304+80.00	308+30.00	LT.	40		10		10																										
	302+70.00		CENTER																															
	305+28.00																																	
	306+08.00																																	
RAMP 'D'	309+77.59	318+45.95	LT.	80			12	12																										
	309+77.59	318+45.95	RT.																															
U.S. 250/S.R. 21 INTERCHANGE - EXIT 87																																		
RAMP 'C'	34+96.08	45+78.00	LT.	80			15	15																										
	34+96.08	45+78.00	RT.																															
	45+34.00		CENTER																															
	45+78.00		LT. & RT.																															
RAMP 'CD' RAISED MEDIAN	42+94.22	45+84.00																																SEE RAISED MEDIAN PAVEMENT MARKING DETAIL, SHEET P.64
RAMP 'D'	45+78.00	43+96.59	LT.	80			3	3																										
	45+78.00	43+96.59	RT.																															
	38+99.72	45+21.39	LT.	80			9	9																										
	38+99.72	45+21.39	RT.																															
SUB-TOTALS CARRIED TO SHEET P.65							46	118		142	540	60	124	11	3	1.47	1.47	0.07	473	3.01	473	01/IMS/PV												

TRAFFIC CONTROL ESTIMATED QUANTITIES

DESIGN AGENCY

 DESIGNER
 MVC
 REVIEWER
 TES 05/12/22
 PROJECT ID
 107570
 SHEET TOTAL
 P.68 | 71


TUS-77-20.73, TUS-250-11.88

MODEL: Sheet PAPER/DATE: 3/4/22 (in.) DATE: 9/26/2022 TIME: 8:09:17 AM USER: mclark3
 pvc:\ohiodot-pw-bentley.com\ohiodot-pw-02\Documents\01 Active Projects\District 11\Tuscarawas\107570\40-DE-Engineering\Traffic\Sheets\107570_T0005.dgn

TRAFFIC CONTROL ESTIMATED QUANTITIES - SOUTHBOUND I.R. 77 RAMPS

LOCATION	STATION		SIDE (DIRECTION OF TRAVEL)	621					RAISED PAVEMENT MARKER REMOVED	642		646					807			850					FUNDING	COMMENTS			
	FROM	TO		RPM						CURB MARKING, TYPE 1 (YELLOW)	ISLAND MARKING, TYPE 1 (YELLOW)	STOP LINE	CROSSWALK LINE, 24"	LANE ARROW	WRONG WAY ARROW	WET REFLECTIVE EPOXY PAVEMENT MARKING, EDGE LINE, 6" (YELLOW)	WET REFLECTIVE EPOXY PAVEMENT MARKING, EDGE LINE, 6" (WHITE)	WET REFLECTIVE EPOXY PAVEMENT MARKING, LANE LINE, 6"	WET REFLECTIVE EPOXY PAVEMENT MARKING, CHANNELIZING LINE, 12"	WET REFLECTIVE EPOXY PAVEMENT MARKING, DOTTED LINE, 6" (WHITE)	GROOVING FOR 6" RECESSES PAVEMENT MARKING, (ASPHALT)	GROOVING FOR 6" RECESSES PAVEMENT MARKING, (ASPHALT)	GROOVING FOR 12" RECESSES PAVEMENT MARKING, (ASPHALT)						
				SPACING	1-WAY WHITE	WHITE/RED	YELLOW/RED	YELLOW/YELLOW																FT.			SQ. FT.	FT.	FT.
PART 1																													
I.R. 77 SOUTHBOUND																													
U.S. 250/S.R. 39 INTERCHANGE - EXIT 81																													
RAMP 'C'	3+79.23	16+25.12	LT.																										
	0+23	16+25.12	RT.																										
	3+08.75	3+79.23	LT.																										
STATIONING ALONG S.R. 39	54+67.50	55+52.50	RT.																										
RAMP 'A'	0+35.85	8+20.75	LT.																										
	0+35.85	8+20.75	RT.																										
	0+52		LT. & RT.	80/40																									
	0+52	2+45.00	CENTER	40		11		16																					
	0+83		CENTER			6					34																		
	1+49.00		CENTER																										
	2+15.00		CENTER																										
	3+15.00		CENTER																										
S.R. 39 INTERCHANGE - EXIT 83																													
RAMP 'G'	16+42.48	25+83.00	LT.																										
	16+42.48	25+83.00	RT.																										
RAMP 'I'	0+21.28	9+47.55	LT.																										
	0+21.28	9+47.55	RT.																										
	0+42		LT. & RT.	80/40																									
	0+42	2+85.00	CENTER	40		11		18			62																		
	0+80		CENTER			7																							
	1+46.00		CENTER																										
	2+12.00		CENTER																										
	3+35.00		CENTER																										
C.R. 80 INTERCHANGE - EXIT 85																													
RAMP 'A'	298+52.24	311+24.00	LT.																										
	298+52.24	312+25.00	RT.																										
RAMP 'C'	311+79.00	325+53.07	LT.																										
	311+25.00	325+53.07	RT.																										
	311+75.00		LT. & RT.	80/40																									
	311+75.00	315+00.00	CENTER	40		11		24			29																		
	31+13.00		LT.																										
	312+93.00		LT.																										
	313+73.00		LT.																										
	314+53.00		LT.																										
	317+00.00		CENTER																										
U.S.250/S.R. 21 INTERCHANGE - EXIT 87																													
RAMP 'AB' RAISED MEDIAN	51+60.00	60+55.00																											
RAMP 'A'	41+26.00	60+55.00	LT.																										
	41+26.00	60+55.00	RT.																										
RAMP 'B'	50+80.82	60+55.00	LT.																										
	50+80.82	60+55.00	RT.																										
	60+55.00		LT. & RT.																										
SUB-TOTALS CARRIED TO SHEET P.65																													
						55	143		198	1,750	60	154	128	14	3	1.93	2.05			831.48		3.98			831.48	01/IMS/PV			

TRAFFIC CONTROL ESTIMATED QUANTITIES


DESIGN AGENCY

 DESIGNER
 MVC
 REVIEWER
 TES 05/12/22
 PROJECT ID
 107570
 SHEET TOTAL
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TRAFFIC CONTROL ESTIMATED QUANTITIES - U.S. 250 RAMPS

LOCATION	STATION		SIDE (DIRECTION OF TRAVEL)	621					646				807					850					FUNDING	COMMENTS										
				RPM					STOP LINE	CROSSWALK LINE, 24"	LANE ARROW	WRONG WAY ARROW	WET REFLECTIVE EPOXY PAVEMENT MARKING, EDGE LINE, 6" (YELLOW)	WET REFLECTIVE EPOXY PAVEMENT MARKING, EDGE LINE, 6" (WHITE)	WET REFLECTIVE EPOXY PAVEMENT MARKING, LANE LINE, 6"	WET REFLECTIVE EPOXY PAVEMENT MARKING, CHANNELIZING LINE, 12"	WET REFLECTIVE EPOXY PAVEMENT MARKING, DOTTED LINE, 6" (WHITE)	GROOVING FOR 6" RECESSES PAVEMENT MARKING, (ASPHALT)	GROOVING FOR 6" RECESSES PAVEMENT MARKING, (ASPHALT)	GROOVING FOR 12" RECESSES PAVEMENT MARKING, (ASPHALT)	GROOVING FOR 6" RECESSES PAVEMENT MARKING, (CONCRETE)	GROOVING FOR 6" RECESSES PAVEMENT MARKING, (CONCRETE)			GROOVING FOR 12" RECESSES PAVEMENT MARKING, (CONCRETE)									
				SPACING	1-WAY WHITE	WHITE/RED	YELLOW/RED	YELLOW/YELLOW																		RAISED PAVEMENT MARKER REMOVED	FT.	EACH	EACH	EACH	EACH	FT.	FT.	EACH
PART 2																																		
U.S. 250 EASTBOUND																																		
U.S. 250/S.R. 39 INTERCHANGE - EXIT 81																																		
RAMP 'D'																																		
	0+23	6+69.30	LT.	80		9		9							0.12											0.12								
	3+10.00	3+78.35	RT.	40	3			3																		68.35			68.35					
	3+78.35	6+69.30	RT.												0.06											0.06								
U.S. 250 WESTBOUND																																		
U.S. 250/S.R. 39 INTERCHANGE - EXIT 81																																		
RAMP 'E/F'																																		
	0+50.07	5+85.50	RT.	40		11		11							0.10											0.10								
	0+85.00	5+88.39	LT.	40			11	11							0.10											0.10								
STATIONING ALONG S.R. 39																																		
	63+53.85	64+34.70	RT.																															
	0+44.46		LT. & RT.							68																								
	0+42.96	3+15.00	RT.	40		8		8																		272.04			272.04					
	0+44.32	3+15.00	RT.	40		8		8																		270.68			270.68					
	3+15.00	5+00.00	CENTER	80		7		7																										
	5+00.00	5+85.50		40		4		4							0.04											0.04			171.00			171.00		
	0+57.00		LT. & RT.										3																					
	1+23.00		LT. & RT.										3																					
	1+89.00		LT. & RT.										3																					
	2+55.00		LT. & RT.										3																					
	3+21.00		LT. & RT.											2																				
RAMP 'F'																																		
	5+85.50	7+58.91	LT. & RT.	80		3		3							0.03	0.03										0.06								
	7+58.91	8+96.06	LT. & RT.												0.03	0.03																		
	8+96.06	13+17.00	LT. & RT.	80		6		6							0.08	0.08										0.16								
SUB-TOTALS CARRIED TO SHEET P.65						41	29	70	68	100	12	2	0.36	0.30	0.04	782.07			0.64		782.07	0.06					0.64		782	0.06			02/NHS/PV	

TRAFFIC CONTROL ESTIMATED QUANTITIES

DESIGN AGENCY



DESIGNER
MVC

REVIEWER
TES 05/12/22

PROJECT ID
107570

SHEET TOTAL
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