

SHEET NUM.										PART.				ALT	ITEM	ITEM	GRAND	UNIT	DESCRIPTION	SEE SHEET NO.
4	5	8	13	14	15	16	17	18	23	01/IMS/PV	02/NHS/PV/TWIN	03/IMS/BR	04/NHS/OT/TWIN	(X)	EXT	TOTAL				
ROADWAY																				
250										250					203	10000	250	CY	EXCAVATION	
	809									809					209	60200	809	STA	LINEAR GRADING	
		2,120								2,120					622	41100	2,120	FT	PORTABLE BARRIER, UNANCHORED	
7										5	2				SPECIAL	69098000	7	EACH	VERTICAL CLEARANCE	
EROSION CONTROL																				
	22,473									22,473					659	10000	22,473	SY	SEEDING AND MULCHING	
	3.03									3.03					659	20000	3.03	TON	COMMERCIAL FERTILIZER	
	4.64									4.64					659	31000	4.64	ACRE	LIME	
	121.35									121.35					659	35000	121.35	MGAL	WATER	
										3,000					832	30000	3,000	EACH	EROSION CONTROL	
DRAINAGE																				
	3										3				611	98630	3	EACH	CATCH BASIN ADJUSTED TO GRADE	
	2												2		611	98634	2	EACH	CATCH BASIN RECONSTRUCTED TO GRADE	
	2										2				611	99655	2	EACH	MANHOLE ADJUSTED TO GRADE, AS PER PLAN	
	2												2		611	99660	2	EACH	MANHOLE RECONSTRUCTED TO GRADE	
PAVEMENT																				
4,650										4,000		650			251	01000	4,650	SY	PARTIAL DEPTH PAVEMENT REPAIR (441)	
1,500										1,500					252	01000	1,500	SY	FULL DEPTH RIGID PAVEMENT REMOVAL AND FLEXIBLE REPLACEMENT	
7,000										7,000					252	01500	7,000	FT	FULL DEPTH PAVEMENT SAWING	
	1,910		376,770	14,628	48,382					429,674	12,015				254	01000	441,690	SY	PAVEMENT PLANING, ASPHALT CONCRETE (T=1 1/2")	
250										250					304	20000	250	CY	AGGREGATE BASE	
	195									195					407	13900	195	GAL	TACK COAT, 702.13	
			33,910	1,317	4,355					38,499	1,082				407	20000	39,582	GAL	NON-TRACKING TACK COAT	
			15,714		1,492					17,206					408	10001	17,206	GAL	PRIME COAT, AS PER PLAN	
	185									185					409	30000	185	FT	SAWING AND SEALING ASPHALT CONCRETE PAVEMENT JOINTS	
			9,821	499	667					10,488	499				442	00100	10,987	CY	ANTI-SEGREGATION EQUIPMENT	
	120		15,699	82	2,016					17,917					442	10301	17,917	CY	ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (447), AS PER PLAN, PG70-22M, (T=1 1/2")	
				528						27	501				442	20001	528	CY	ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (448), AS PER PLAN, PG70-22M, (T=1 1/2")	
			2,183		208					2,390					617	10101	2,391	CY	COMPACTED AGGREGATE, AS PER PLAN	
			33.48		0.48					33.96					618	40600	33.96	MILE	RUMBLE STRIPS, SHOULDER (ASPHALT CONCRETE)	
TRAFFIC CONTROL																				
						1,074				1,074					621	00100	1,074	EACH	RPM	
						860				860					621	54000	860	EACH	RAISED PAVEMENT MARKER REMOVED	
							38.1			38.1					642	00104	38.1	MILE	EDGE LINE, 6", TYPE 1	
							17.68			17.68					642	00204	17.68	MILE	LANE LINE, 6", TYPE 1	
							5,678			5,678					642	00404	5,678	FT	CHANNELIZING LINE, 12", TYPE 1	
							5,656			5,656					642	01510	5,656	FT	DOTTED LINE, 6", TYPE 1	
								0.41			0.27	0.14			646	10010	0.41	MILE	EDGE LINE, 6"	
								0.52			0.52				646	10110	0.52	MILE	LANE LINE, 6"	
								0.33			0.26	0.08			646	10200	0.33	MILE	CENTER LINE	
								680			680				646	10300	680	FT	CHANNELIZING LINE, 8"	
							132	151		132	151				646	10400	283	FT	STOP LINE	
								705			705				646	10600	705	FT	TRANSVERSE/DIAGONAL LINE	
							11	11		11	11				646	20300	22	EACH	LANE ARROW	
							8			8					646	20320	8	EACH	WRONG WAY ARROW	
STRUCTURE REPAIRS																				
																			FOR SUM-480-0137 ESTIMATED QUANTITIES	23
																			FOR SUM-480-0205L ESTIMATED QUANTITIES	23
																			FOR SUM-480-0208R ESTIMATED QUANTITIES	23
																			FOR SUM-480-0481L ESTIMATED QUANTITIES	23
																			FOR SUM-480-0481R ESTIMATED QUANTITIES	23
																			FOR SUM-480-0672 ESTIMATED QUANTITIES	23
																			FOR SUM-480-0814 ESTIMATED QUANTITIES	23
																			FOR SUM-82-0727 ESTIMATED QUANTITIES	23


GENERAL SUMMARY

DESIGN AGENCY	
DESIGNER	RMK
REVIEWER	MAC 07/16/21
PROJECT ID	110698
SHEET	P.11
TOTAL	29

SHEET NUM.										PART.				ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
4	5	6	8	13	14	15	16	17	23	01/IMS/PV	02/NHS/PV/TWIN	03/IMS/BR	04/NHS/OT/TWIN						
		200								200				614	11110	200	HOUR	MAINTENANCE OF TRAFFIC LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE	
			240							240				614	11630	240	FT	INCREASED BARRIER DELINEATION	
			4							4				614	12380	4	EACH	WORK ZONE IMPACT ATTENUATOR, 24" WIDE HAZARDS, (UNIDIRECTIONAL)	
34										30	4			614	12460	34	EACH	WORK ZONE MARKING SIGN	
20										20				614	13000	20	CY	ASPHALT CONCRETE FOR MAINTAINING TRAFFIC	
			64							64				614	13310	64	EACH	BARRIER REFLECTOR, TYPE 1, ONE-WAY	
			64							64				614	13350	64	EACH	OBJECT MARKER, ONE WAY	
			6,880							6,880				614	18030	6,880	FT	MAINTAINING TRAFFIC, MISC.: SHOULDER RUMBLE STRIPS	8
	48									48				614	18601	48	SNMT	PORTABLE CHANGEABLE MESSAGE SIGN, AS PER PLAN	6
18.2										17.68	0.52			614	20010	18.2	MILE	WORK ZONE LANE LINE, CLASS I, 6"	
18.2										17.68	0.52			614	20560	18.2	MILE	WORK ZONE LANE LINE, CLASS III, 6", 642 PAINT	
			4.02							4.02				614	22010	4.02	MILE	WORK ZONE EDGE LINE, CLASS I, 6", 740.06, TYPE 1	
38.37										38.1	0.27			614	22360	38.37	MILE	WORK ZONE EDGE LINE, CLASS III, 6", 642 PAINT	
6,358										5,678	680			614	23010	6,358	FT	WORK ZONE CHANNELIZING LINE, CLASS I, 12"	
6,358										5,678	680			614	23690	6,358	FT	WORK ZONE CHANNELIZING LINE, CLASS III, 12", 642 PAINT	
			3,520							3,520				614	24000	3,520	FT	WORK ZONE DOTTED LINE, CLASS I, 6", 740.06, TYPE 1	
251										132	119			614	26000	251	FT	WORK ZONE STOP LINE, CLASS I	
251										132	119			614	26610	251	FT	WORK ZONE STOP LINE, CLASS III, 642 PAINT	
2											2			614	30000	2	EACH	WORK ZONE ARROW, CLASS I	
2											2			614	30650	2	EACH	WORK ZONE ARROW, CLASS III, 642 PAINT	
60										60				808	18700	60	SNMT	DIGITAL SPEED LIMIT (DSL) SIGN ASSEMBLY	
																		INCIDENTALS	
										LS				614	11000	LS		MAINTAINING TRAFFIC	
										6				619	16010	6	MNTH	FIELD OFFICE, TYPE B	
										LS				623	10000	LS		CONSTRUCTION LAYOUT STAKES AND SURVEYING	
										LS				624	10000	LS		MOBILIZATION	

GENERAL SUMMARY

DESIGN AGENCY

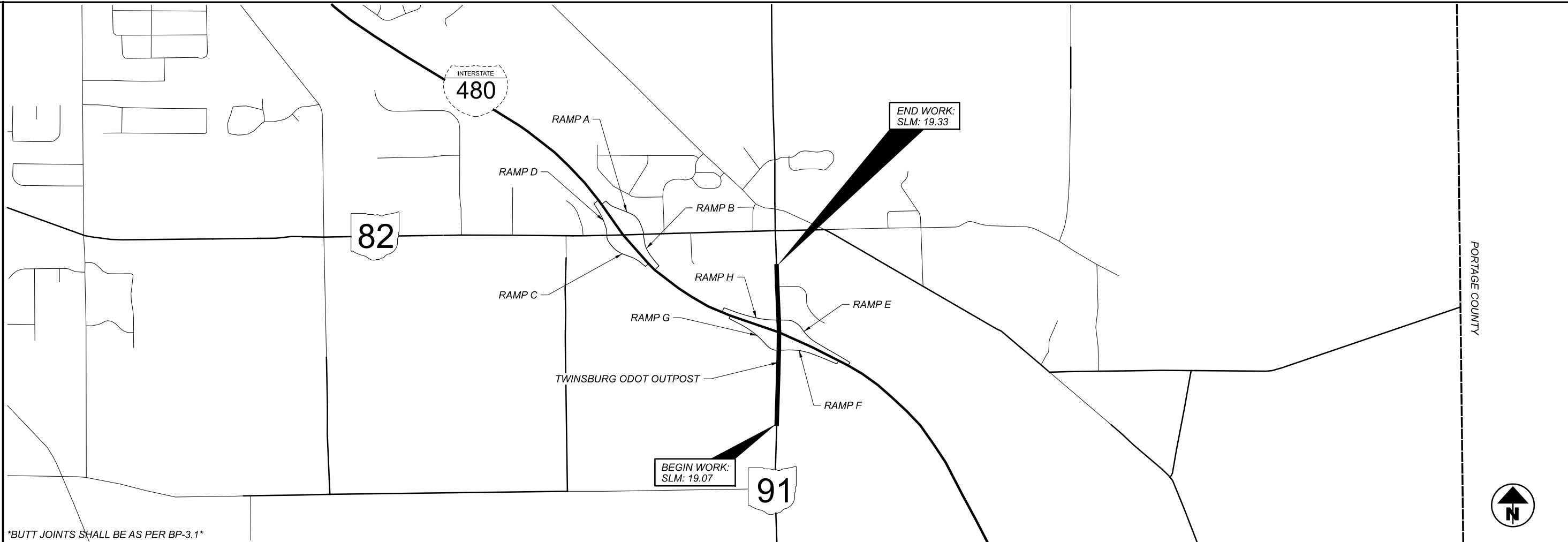


DESIGNER
RMK

REVIEWER
MAC 07/16/21

PROJECT ID
110698

SHEET TOTAL
P.12 29




BUTT JOINTS SHALL BE AS PER BP-3.1

SLM RANGE	TYPICAL SECTION	SIDE	DISTANCE (D)	AVERAGE WIDTH (W)	SURFACE AREA (A) A=DxW/9	CADD GENERATED AREA	254	407	408	442	442	617	442									
							PAVEMENT PLANING ASPHALT CONCRETE (T=1 1/2')	NON-TRACKING TACK COAT @0.09 GAL/SY	PRIME COAT, AS PER PLAN @ 0.4 GAL/SY	ANTI-SEGREGATION EQUIPMENT	ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (447), AS PER PLAN, PG70-22M, (T=1 1/2')	COMPACTED AGGREGATE, AS PER PLAN (T = 2')	ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (448), AS PER PLAN, PG70-22M, (T=1 1/2')									
			FT	FT	SY	SY	SY	GAL	GAL	CY	CY	CY	CY	CY								
SR 91																						
19.07	TO	19.13	5	NB/SB	316.80	78.00	2745.60	2745.60	247.10		88.00		114.40									
19.13		19.14	3	NB	52.80	50.00	293.33	293.33	26.40		11.73		12.22									
19.14		19.28	3	NB	739.20	40.00	3285.33	3285.33	295.68		164.27		136.89									
19.13		19.14	3	SB	52.80	30.00	176.00	176.00	15.84		11.73		7.33									
19.14		19.28	3	SB	739.20	40.00	3285.33	3285.33	295.68		164.27		136.89									
19.28		19.33	4	NB/SB	264.00	76.00	2229.33	2229.33	200.64		58.67		92.89									
TURNAROUNDS																						
IR 480		SLM 0.88					478.00	478.00	43.02				19.92									
IR 480		SLM 2.87					570.00	570.00	51.30				23.75									
IR 480		SLM 5.56					456.00	456.00	41.04				19.00									
IR 480		SLM 7.33					461.00	461.00	41.49				19.21									
INTERSECTIONS																						
SR 91 INT		480 EB ON/OFF			56.00		146.00	146.00	13.14				6.08									
SR 91 INT		480 WB ON/OFF			60.00		102.00	102.00	9.18				4.25									
TWINSBURG ODOT OUTPOST																						
SR 91		SLM 19.10			50		400.00	400.00	36.00				16.67									
SUBTOTALS							0.00	14627.93	1316.51	0.00	0.00	498.67	0.00	81.88	0.00	0.00	527.62	0.00	0.00	0.00	0.00	
TOTALS CARRIED TO GENERAL SUMMARY							0	14628	1317	0	0	499	0	82	0	0	528	0	0	0	0	0

PAVEMENT CALCULATIONS

DESIGN AGENCY



DESIGNER
RMK

REVIEWER
MAJ 07/01/21

PROJECT ID
110698

SHEET TOTAL
P.14 29