

PAVEMENT CALCULATIONS

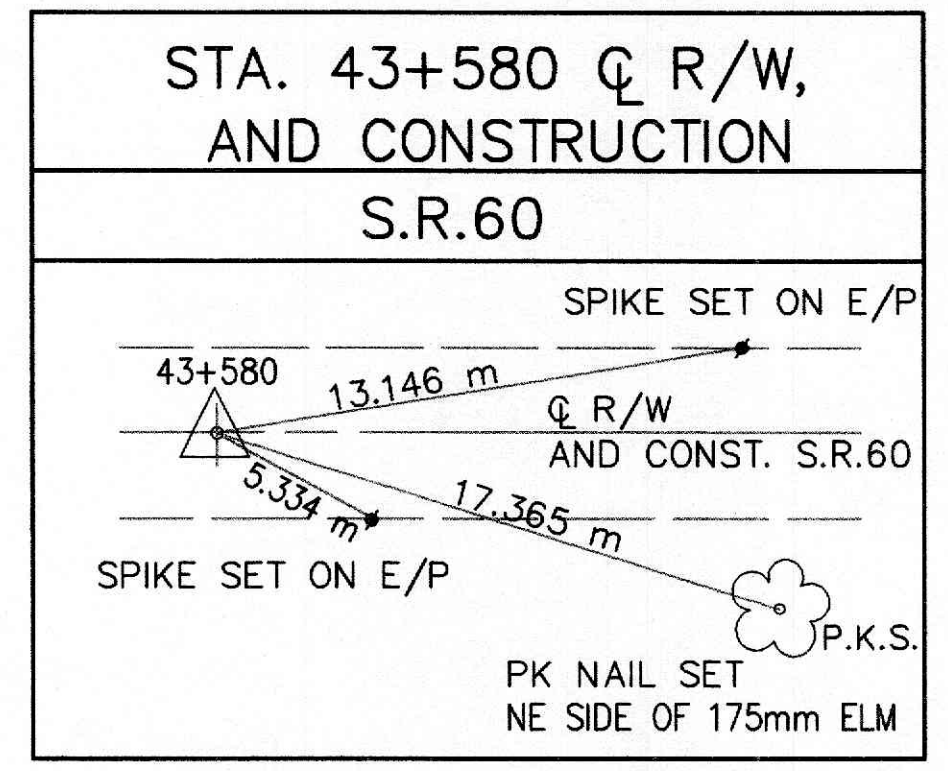
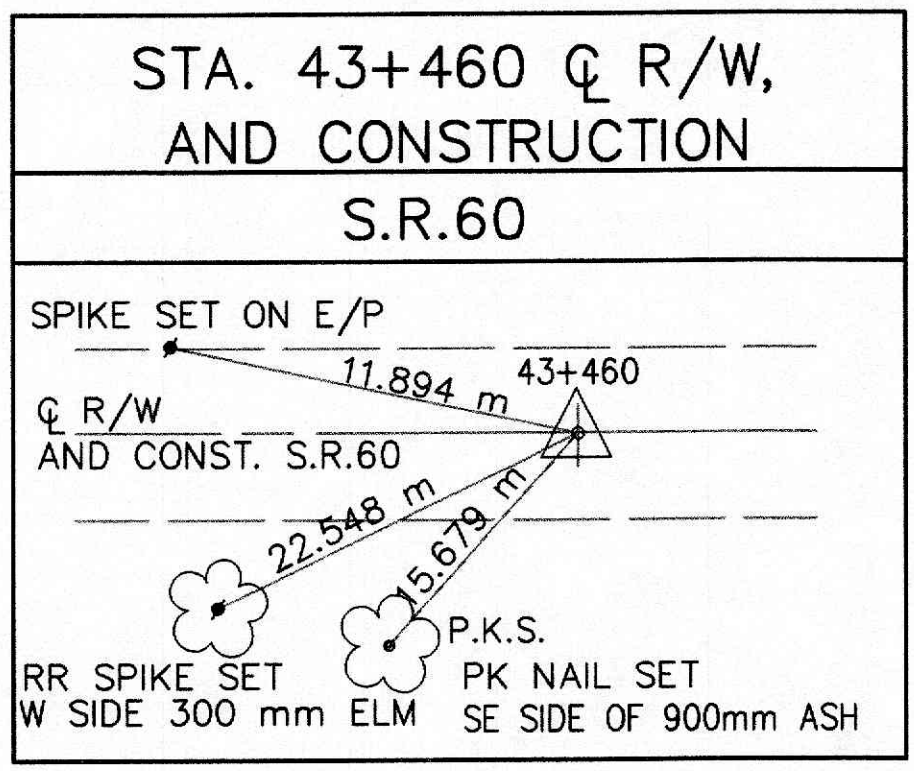
STATION TO STATION	SIDE	DISTANCE D	AVERAGE WIDTH W	SURFACE AREA A = D X W	448	448	301	304	203	611	202	407	448	407
					①	②	③	④	⑥	⑦	⑩	⑪	⑫	⑬
					32 mm	45 mm	200 mm	150 mm				0.34 L·m ²	45 mm to 73 mm	0.23 L·m ²
		meter	meter	sq.m.	cu. m.	cu. m.	cu. m.	cu. m.	sq. m.	sq. m.	sq. m.	Liters	cu. m.	Liters
43+465.00 TO 43+480.00	Lt&Rt	15.00	3.6	54.0	1.7				54.0					12.4
43+465.00 TO 43+480.00	Lt&Rt	15.00	3.9	58.5			13.2							
43+465.00 TO 43+480.00	Lt&Rt	15.00	4.2	63.0				9.5						
43+480.00 TO 43+500.00	Lt&Rt	20.00	13.2	264.0	8.5									60.7
43+480.00 TO 43+500.00	Lt&Rt	20.00	6.0	120.0					120.0					
43+480.00 TO 43+500.00	Lt&Rt	20.00	6.3	126.0			28.4							
43+480.00 TO 43+500.00	Lt&Rt	20.00	6.6	132.0				19.8						
43+480.00 TO 43+500.00	Lt&Rt	20.00	7.2	144.0		6.5					144.0	49.0		
43+500.00 TO 43+510.72	Lt&Rt	10.72	13.2	141.5	4.5	6.4			141.5					32.6
43+500.00 TO 43+510.72	Lt&Rt	10.72	13.5	144.7			32.6							
43+500.00 TO 43+510.72	Lt&Rt	10.72	13.8	147.9				22.2						
43+510.72 TO 43+515.32	Lt&Rt	4.60	13.2	60.7	1.9				60.7	60.7		41.3	3.6	14.0
43+510.72 TO 43+515.32	Lt&Rt	4.60	13.8	63.5				9.5						
43+527.68 TO 43+532.28	Lt&Rt	4.60	13.2	60.7	1.9				60.7	60.7		20.6	3.6	14.0
43+527.68 TO 43+532.28	Lt&Rt	4.60	13.8	63.5				9.5						
43+532.28 TO 43+540.00	Lt&Rt	7.72	13.2	101.9	3.3	4.6			101.9					23.4
43+532.28 TO 43+540.00	Lt&Rt	7.72	13.5	104.2			23.4							
43+532.28 TO 43+540.00	Lt&Rt	7.72	13.8	106.5				16.0						
43+540.00 TO 43+560.00	Lt&Rt	20.00	13.2	264.0	8.5									60.7
43+540.00 TO 43+560.00	Lt&Rt	20.00	6.3	126.0			28.4							
43+540.00 TO 43+560.00	Lt&Rt	20.00	6.6	132.0				19.8						
43+540.00 TO 43+560.00	Lt&Rt	20.00	6.0	120.0					120.0					
43+540.00 TO 43+560.00	Lt&Rt	20.00	7.2	144.0		6.5					144.0	49.0		
43+560.00 TO 43+575.00	Lt&Rt	15.00	3.6	54.0	1.7				54.0					12.4
43+560.00 TO 43+575.00	Lt&Rt	15.00	3.9	58.5			13.2							
43+560.00 TO 43+575.00	Lt&Rt	15.00	4.2	63.0				9.5						
TOTALS (THIS SHEET)					32.0	24.0	139.2	115.8	712.8	121.4	288.0	159.9	7.2	230.2
TOTALS TO GEN. SUMMARY					32	24	140	116	713	122	288	160	8	231

ITEM 202 PAVEMENT REMOVED
(27.65 m LENGTH)(4.8 m WIDTH) = 132.72 sq. m
USE 133 sq. m

ITEM 659 WATER
(5m /1000 sq.m)(1228sq.m)(2) = 12.28 cu. m
USE 13 cu. m

ITEM 659 COMMERCIAL FERTILIZER
(0.1 kg/ sq. m)(1228 sq.m) = 122.8 kg
USE 123 kg

ITEM 659 AGRICULTURAL LIMING
(560 kg/ 1000 sq. m)(1228 sq.m) = 687.68kg
USE 688 kg



SHEET NUMBER					ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	A.P.P. REF
4	5	7	8	13					ROADWAY	
					201	11000		LUMP	CLEARING AND GRUBBING	
		133			202	23000	133	SQ METER	PAVEMENT REMOVED	
		288			202	23500	288	SQ METER	WEARING COURSE REMOVED	
			176		202	38000	176	METER	GUARDRAIL REMOVED	
100					203	11000	100	CU METER	EXCAVATION INCLUDING EMBANKMENT CONSTRUCTION	
			548		203	12000	548	CU METER	EXCAVATION NOT INCLUDING EMBANKMENT CONSTRUCTION	
			177		203	20000	177	CU METER	EMBANKMENT	
		713			203	50000	713	SQ METER	SUBGRADE COMPACTION	
4					604	40500	4	EACH	REFERENCE MONUMENT	
			92		606	13000	92	METER	GUARDRAIL, TYPE 5	
			4		606	26100	4	EACH	ANCHOR ASSEMBLY, TYPE E	
			4		606	35140	4	EACH	BRIDGE TERMINAL ASSEMBLY, TYPE 4	
									EROSION CONTROL	
100					207	30000	100	METER	FILTER FABRIC FENCE	
50					207	70000	50	EACH	STRAW OR HAY BALES	
			144		601	32104	144	CU METER	ROCK CHANNEL PROTECTION, TYPE B WITH FABRIC FILTER	
1228					659	10000	1228	SQ METER	SEEDING AND MULCHING	
		123			659	20000	123	KILOGRAM	COMMERCIAL FERTILIZER	
		688			659	30000	688	KILOGRAM	AGRICULTURAL LIMING	
		13			659	35000	13	CU METER	WATER	
									DRAINAGE	
6					605	31100	6	METER	AGGREGATE DRAINS	
									PAVEMENT	
		140			301	46000	140	CU METER	BITUMINOUS AGGREGATE BASE, PG64-22	
		116			304	20000	116	CU METER	AGGREGATE BASE	
		160			407	10000	160	LITER	TACK COAT	
		231			407	14000	231	LITER	TACK COAT FOR INTERMEDIATE COURSE	
		8			448	46020	8	CU METER	ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, PG64-22	
		24			448	46050	24	CU METER	ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, PG64-22	
		32			448	47020	32	CU METER	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, PG64-22	
		122			611	10000	122	SQ METER	REINFORCED CONCRETE APPROACH SLAB (T=305mm)	
									TRAFFIC CONTROL	
6					626	00100	6	EACH	BARRIER REFLECTOR, TYPE A	
0.16					642	00100	0.16	KILOMETER	EDGE LINE, TYPE 1	
0.08					642	00300	0.08	KILOMETER	CENTER LINE, TYPE 1	
									MAINTENANCE OF TRAFFIC	
		20			410	12000	20	CU METER	TRAFFIC COMPACTED SURFACE, TYPE A OR B	
		418			614	12800	418	EACH	TEMPORARY RAISED PAVEMENT MARKER	
		26			614	13303	26	EACH	BARRIER REFLECTOR, TYPE B2, AS PER PLAN	5
		52			614	13350	52	EACH	OBJECT MARKER	
		0.09			614	21300	0.09	KILOMETER	TEMPORARY CENTER LINE, CLASS 1, 740.06, TYPE II	
		0.10			614	22300	0.10	KILOMETER	TEMPORARY EDGE LINE, CLASS 1, 740.06, TYPE II	
		8			614	26600	8	METER	TEMPORARY STOP LINE, CLASS 1, 740.06, TYPE II	
		20			616	10000	20	CU METER	WATER	
		0.50			616	20000	0.50	M TON	CALCIUM CHLORIDE	
		145			622	40020	145	METER	PORTABLE CONCRETE BARRIER, 813mm	
		31			622	40040	31	METER	PORTABLE CONCRETE BARRIER, 813mm, BRIDGE MOUNTED	
									FOR STRUCTURE QUANTITIES SEE SHEET 16 OF 25	
					614	11000		LUMP	MAINTAINING TRAFFIC	
					806	16000	6	MNTH	FIELD OFFICE, TYPE A	
					806	26000	6	MNTH	COMPUTER EQUIPMENT FOR FIELD OFFICE	
					623	10000		LUMP	CONSTRUCTION LAYOUT STAKES	
					624	10000		LUMP	MOBILIZATION	