

CALCULATIONS

CALC. BY: GCH
DATE: 2/5/80
CHKD. BY: BOB
DATE: 4/12/80

LAK 84 - 17.20

OHIO
FHWA
REGION

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PAVEMENT SUB-SUMMARY					STP 404	STP 402	STP 301	STP 304	STP 203	STP 254	STP 407
ROUTE	STATION TO STATION	LENGTH (FT.)	AVG. WIDTH* (FT.)	PAVEMENT AREA (S.Y.)	1 1/4" ASPHALT CONCRETE C.Y.	1 3/4" ASPHALT CONCRETE C.Y.	6" BITUMINOUS AGGREGATE BASE C.Y.	6" AGGREGATE BASE, AS PER PLAN C.Y.	SUBGRADE COMPACTION S.Y.	PAVEMENT PLANNING BITUMINOUS S.Y.	TACK COAT @ 0.10 GAL/S.Y. OF PAVT AREA GAL
S.R.84	STA.522+00 TO 522+50	50'	30'	167	5.8	8.1	27.8	27.8	167		
S.R.84	STA.522+50 TO 530+08	758'	32'	2695	93.6	131.0	449.2	449.2	2695		
S.R.84	STA.530+08 TO 532+00	192'	36.8'	785.1	27.3	38.2	130.9	130.9	785.1		
S.R.84	STA.532+00 TO 532+48	48'	42.8'	228.3	7.9	11.1	38.1	38.1	228.3		
S.R.84	STA.532+48 TO 532+90	42'	44'	205.3	7.1	10.0	34.2	34.2	205.3		
S.R.84	STA.532+90 TO 533+50	60'	36'	240.0	8.3	11.7	40.0	40.0	240.0		
S.R.84	STA.533+50 TO 535+18	160'	36'	640.0	22.2	31.1	106.7	106.7	640		
S.R.84	EXTRA AREA @ LIBERTY (BY PLANIMETER)			382.0	13.3	18.6	63.7	63.7	382		
TUCKMERE	STA.10+16 TO 10+73	57'	28'	177.3	6.2	8.6	29.6	29.6	177.3		
TUCKMERE	STA.10+73 TO 10+98	25'	26'	72.2	2.5	3.5	12.0	12.0	72.2		
TUCKMERE	EXTRA AREA @ S.R.84 (BY PLANIMETER)			80.0	2.8	3.9	13.3	13.3	80		
LIBERTY	STA.8+14 TO 8+67.94	54'	2'	12.0	0.4	0.6	2.0	2.0	12		
LIBERTY	STA.10+54.73 TO 10+85	30.3'	13'	43.8	1.5	2.1	7.3	7.3	43.8		
LIBERTY	STA.10+85 TO 12+25	140'	7'	108.9	3.8	5.3	18.2	18.2	108.9		
LIBERTY	STA.8+14 TO 12+25	411'	2'	91.3					91.3	9.1	
TOTALS					204	284	974	974	5838	92	10

ITEM 605 AGGREGATE DRAINS						
ROUTE	STATION TO STATION	LENGTH (FT.)	SPACING	No. OF DRAINS	AVG DRAIN LENGTH	TOTAL LENGTH
S.R.84	STA. 522+50 TO 527+50	500	25'	20	15'	300'
S.R.84	STA. 527+50 TO 528+00	50	25'	2	16'	32'
S.R.84	STA. 528+00 TO 532+00	400	25'	16	20'	320'
S.R.84	STA. 532+00 TO 532+90	90	25'	4	20'	80'
TOTALS						732 L.F.

ITEM 659 SEEDING & MULCHING				
ROUTE	STATION TO STATION	LENGTH (FT.)	AVG. WIDTH (FT.)	TOTAL (S.Y.)
S.R.84	STA. 519+50 TO 522+00	250	20.0	555.6
S.R.84	STA. 522+00 TO 522+50	50	67.0	372.2
S.R.84	STA. 522+50 TO 524+00	150	77.3	1288.3
S.R.84	STA. 524+00 TO 524+50	50	74.5	413.9
S.R.84	STA. 524+50 TO 527+50	300	63.0	2100.0
S.R.84	STA. 527+50 TO 528+00	50	76.5	425.0
S.R.84	STA. 528+00 TO 528+50	50	90.0	500.0
S.R.84	STA. 528+50 TO 530.50	200	112	2488.9
S.R.84	STA. 530+50 TO 531+50	100	71	788.9
S.R.84	STA. 531+50 TO 532+00	50	65	361.1
S.R.84	STA. 532+00 TO 532+25	25	87	241.7
S.R.84	STA. 532+25 TO 532+50	25	106.5	295.8
S.R.84	STA. 532+50 TO 532+75	25	98.5	273.6
S.R.84	STA. 532+75 TO 533+00	25	149	413.9
S.R.84	STA. 533+00 TO 533+50	50	175	972.2
S.R.84	STA. 533+50 TO 534+00	50	143.5	797.2
S.R.84	STA. 534+00 TO 534+50	50	82.5	458.3
S.R.84	STA. 534+50 TO 535+00	50	23	127.8
S.R.84	STA. 535+00 TO 535+18	18	15	30.0
LIBERTY	STA. 10+50 TO 11+00	50	8	44.4
LIBERTY	STA. 11+00 TO 11+50	50	18	100.0
LIBERTY	STA. 11+50 TO 12+25	75	6	50.0
EXTRA AREA	(BY PLANIMETER)			603.3
TUCKMERE	(BY PLANIMETER)			355.0
TOTALS				14,058

CURB SUB-SUMMARY				STP 609
ROUTE	STATION TO STATION	SIDE	COMBINATION CURB & GUTTER TYPE 2 L.F.	
S.R.84	STA. 532+90 TO STA. 533+50	LT.	60	
S.R.84	STA. 533+50 TO STA. 534+68.08	LT.	118.1	
S.R.84	TURNOUT @ S.R.84 & LIBERTY	LT.	90	
LIBERTY	STA. 10+54.78 TO STA. 12+25	LT.	170.3	
S.R.84	STA. 532+90 TO STA. 533+50	RT.	60	
S.R.84	STA. 533+50 TO STA. 534+05.50	RT.	55.5	
S.R.84	TURNOUT @ S.R.84 & LIBERTY	RT.	109.7	
LIBERTY	STA. 8+14 TO STA. 8+67.94	LT.	53.9	
LIBERTY	STA. 10+54.73 TO STA. 12+25	LT.	170.3	
TOTALS				888

ITEM 203 - EMBANKMENT (TO BACKFILL REMOVED PORTION OF EX. S.R. 84)						
ROUTE	STATION TO STATION	LENGTH (FT.)	WIDTH (FT.)	CU. YDS.		STP
S.R. 84	528+50 - 531+02	252	26	253		253
S.R. 84	532+84 - 533+50	66	26	67		67
S.R. 84	533+50 - 534+81	131	26	132		132
TOTALS						452