STA-62-5.10 PID 110990
PAVEMENT QUANTITIES

calc by:	CMK	10/26/20
check by:	BEO	11/16/20

revised by:	CMK	12/7/21

Proj. No.: 080-10012

PAVEMENT LEGEND NUMBER (SEE TYPICAL SECTION) =>												8		2		3		5	4	1		
STATION RANGE		SIDE	DISTANCE	PROPOSED WIDTH FROM	PROPOSED WIDTH TO	PROPOSED AVE. WIDTH	SHOULDER AVE. WIDTH	ASPHALT SHOULDER WIDTH	SURFACE AREA (ASPHALT)	SURFACE AREA	EDGE LENGTH	204 SUBGRADE COMPACTION SA+(*xD) / 9 or CA+(*xL) / 9	204 PROOF ROLLING 1 HOUR per 2000sy of Item 204 Subg. Comp.	823 ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, (448) depth, d	SAxd 12x27 or CAxd 12x27	304 AGGREGATE BASE depth, d	(SAxd)+*xd 12x27 or (CA+*)xd 12x27	407 TACK COAT (0.050 GAL per SQ YD) 2 layers SAx0.050x2 / 9	411 STABILIZED CRUSHED AGGREGATE Dx2x1'x3"/12/27	823 ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448) depth, d	SAxd 12x27 or CAxd 12x27	
FROM	TO		FT	FT	FT	FT	FT	FT	SQ FT	SQ FT	FT	SQ YD	HOUR	(in)	CU YD	(in)	CU YD	GAL	CU YD	(in)	CU YD	
												*=1x2.5'			SA=AWxD		SA=AWxD,*=0	SA=AWxD			SA=AWxD	
01+17.65	01+84.24	LT&RT	66.59	10.00	10.00	10.00	0.00	2.00	665.90			92.49	0.05	1.75	0.72	6	2.47	1.48		1.25	0.51	
												*=2x1.5'			SA		*=0				SA	
02+57.69	13+49.17	LT&RT	1091.48	10.00	10.00	10.00	1.00		10914.80			1576.58	0.79	1.75	58.95	6	202.13	121.28	20.21	1.25	42.11	
												*=2x1.5'			SA		*=0				SA	
18+88.37	19+43.22	LT&RT	54.85	10.00	10.00	10.00	1.00		548.50			79.23	0.04	1.75	2.96	6	10.16	6.09	1.02	1.25	2.12	
20+11.93	21+19.03	LT&RT	107.10	10.00	10.00	10.00	1.00		1071.00			154.70	0.08	1.75	5.78	6	19.83	11.90	1.98	1.25	4.13	
ASPHALT REPLACEMENTS												*=0					*=0					
CURB RAMP, 2+25 REAR										112.15		12.46	0.01	1.75	0.61	6	2.08	1.25		1.25	0.43	
CURB RAMP, 2+25 FORWARD										0												
CURB RAMP, 19+75 REAR										31.00		3.44	0.00	1.75	0.17	6	0.57	0.34		1.25	0.12	
CURB RAMP, 19+75 FORWARD										0												
SUBTOTALS												1918.91	0.97		69.19		237.24	142.34	23.21		49.42	
TOTALS (CARRIED TO GENERAL SUMMARY) (PROOF ROLLING CARRIED TO GENERAL NOTES)												**1919**	**1**		**70**		**237**	**143**	**24**		**50**	

EROSION CONTROL QUANTITIES
STA-62-5.10 **PID 110990**

calc by: CMK 3/29/21

ITEM	EXT.	DESCRIPTION	EQUATION	QUANTITY	
659	10000	SEEDING AND MULCHING		3499	SQ. YD.
659	00100	SOIL ANALYSIS TEST		2	EACH
659	00300	TOPSOIL	= (3499) x 111/1000 =	388	CU. YD.
659	14000	REPAIR SEEDING AND MULCHING	= (3499) x 5% =	175	SQ. YD.
659	15000	INTER-SEEDING	= (3499) x 5% =	175	SQ. YD.
659	20000	COMMERCIAL FERTILIZER	= (3499) x 1/7410 + (175) x 1/11,111 =	0.49	TON
659	31000	LIME	= (3499) x 9/43,560 =	0.72	ACRES
659	35000	WATER	= (3499) x 0.0027 x 2 + (175) x 0.0027 =	19	M. GAL.
659	40000	MOWING	= (3499) x 9 x 25% x1/1000 =	8	M. SQ. FT.
					(IF MULTIPLE SEASONS)
		CONSTRUCTION SEASONS		1	SEASONS

January 2020

NOTICE OF INTENT (NOI) ACREAGE CALCULATION FORM	1112-1 Reference Section 1112

		Area (acres)
Project Earth Disturbing Activities		1,048
If the project is a Routine Maintenance Project, an NOI is not required. (See Section 1112)		
Contractor Earth Disturbing Activities		
Field Office per CMS Item 619:		
Enter 0.125 for Type A; 0.25 for Type B; or 1.00 for Type C		0,125
Batch Plant: Yes = 2.0; No = 0		0
Off-Project Waste / Borrow Pit:		
Add 1.0 acre per 15,000 CY of waste or borrow		0
Miscellaneous Other Off-Project Areas:		
Off-Project staging areas, stock yards, etc.		0
Contractor Earth Disturbing Activities	**Subtotal**	0,125
Total Earth Disturbing Activities (add Project EDA and Contractor EDA)	**TOTAL**	1,173
NOI Earth Disturbing Activities (see below to determine value)	**TOTAL**	1,18

Project Earth Disturbing Activities - Enter the area of earth disturbing activities directly related to project activities. Earth disturbing activity is defined as any activity that exposes bare ground or an erodible material to storm water as well as anywhere Item 659 Seeding, or Item 660 Sodding is being furnished.

Contractor Earth Disturbing Activities:

Field Office - These sizes were determined with regard to size of the trailer, parking, and some stock area for equipment and materials based on Item 619 Field Office.

Batch Plant - It is assumed that a typical batch plant would occupy 2 acres of ground. The designer should investigate the location of the project relative to existing plants, facilities, etc. to estimate whether a batch plant might be used by the Contractor. This is not needed for existing plants, it is only for plants set up for the specific project.

Off-Project Waste / Borrow - The specified estimation is based on approximately 10 feet of depth or fill over 1 acre. The designer may choose a different value based on knowledge of the project area, bedrock elevations, previous projects, etc. Consideration should be given for grindings, as well. (10ft. x 43560 s.f. / 27 = 16,133 c.y. ~ 15,000 c.y.)

NOI Earth Disturbing Activities - This is the combined Project and Contractor Earth Disturbed Area. Based on project conditions and activities, some flexibility in the area calculation should be provided to avoid the possibility of the estimated work being less than the actual work. This scenario would require submittal of an NOI for projects originally calculated to be less than one acre during construction.

For projects with Total EDA less than one acre: No NOI is required.

A Routine Maintenance Project consists of activities that do not change the line, grade, or hydraulic capacity of the existing condition and has less than 5 acres of earth disturbing activities (see section 1112.2).

832, EROSION CONTROL PRICES

STA-62-5.10 PID 110990 CMK 3/4/21

Item	Unit	Description	Price/Unit	Quantity	Cost	Comment
832	SY	Construction Seeding and Mulching	$1.00	348	$348.00	Assumed 10% of final seeding quantity
832	FT	Perimeter Filter Fabric Fence	$4.05	1300	$5,265.00	Estimated length measured in CAD
832	FT	Filter Fabric Ditch Check	$11.00	35	$385.00	Estmated 5 each @ 7' long
832	FT	Inlet Protection	$11.25	48	$540.00	Estimated 3 each @ 16' long
832	CY	Construction Entrance	$75.25	55.55	$4,180.14	Estimated 10'x150'x0.5'x2 each
				TOTAL	**$10,718.14**	**Use $11,000 for 832, Erosion Control, Each**