

:\PROJECTS\Transportation\0828TR 2011 Preservation\2011 ESTIMATED QUANT.dwg, 5/6/2011 7:10:02 AM, 1:1

STATEMENT OF ESTIMATED QUANTITIES											
PAGE	NOTE	SPEC. NO.	DESCRIPTION	UNIT	0787TR SKYLINE PRWY	0828TR 4th AVE WEST	0829TR ARROWHEAD ROAD	0832TR 88th AVE WEST LOOP	0835TR EAST 1st STREET	0852TR SWAN LAKE ROAD	TOTAL QUANTITY
		2021.501	MOBILIZATION	LUMP SUM	0.20	0.10	0.25	0.25	0.10	0.10	1
8	1	2104.501	REMOVE PIPE CULVERTS	LIN FT	47	-	-	-	-	960	1,007
8	1	2104.501	REMOVE CURB AND GUTTER	LIN FT	-	32	1,401	549	80	-	2,062
6	1	2104.501	REMOVE GUARD RAIL	LIN FT	370	-	390	-	-	-	760
8	1,21,23	2104.503	REMOVE CONCRETE WALK	SQ FT	-	150	375	1,350	375	-	2,250
8,53		2104.503	REMOVE CONCRETE DRIVEWAY PAVEMENT	SQ FT	-	-	-	-	-	65	65
9		2104.511	SAWING CONCRETE PAVEMENT (FULL DEPTH)	LIN FT	-	-	-	-	-	13	13
9		2104.513	SAWING BITUMINOUS PAVEMENT (FULL DEPTH)	LIN FT	132	-	272	-	-	655	1,059
	1,2	2123.503	MOTOR GRADER	hour	30	-	-	-	-	30	60
8	1,3	2123.507	3.0 CU. YD. SHOVEL	hour	40	-	-	-	-	24	64
8	1,3	2123.510	10 CU. YD. TRUCK	hour	80	-	-	-	-	48	128
	1,2	2123.525	8 TON STEEL-WHEELER ROLLER	hour	30	-	-	-	-	30	60
	4	2123.610	STREET SWEEPER (WITH PICKUP BROOM)	hour	-	10	-	30	20	-	60
	1,5	2130.501	WATER	M GALLONS	30	-	30	-	-	30	90
9	1	2131.502	CALCIUM CHLORIDE SOLUTION	GALLON	2,774	-	3,838	-	-	5,173	11,785
	1	2211.501	AGGREGATE BASE CLASS 5	TON	400	-	-	-	-	144	544
		2221.501	AGGREGATE SHOULDERING CLASS 1	TON	1,300	-	-	-	-	943	2,243
9	6,7	2232.501	MILL BITUMINOUS SURFACE (2.0")	SQ YD	-	802	-	-	-	-	802
9	6,7	2232.501	MILL BITUMINOUS SURFACE (3.5")	SQ YD	-	2,823	-	50,173	21,416	-	74,412
9	6,7	2232.501	MILL BITUMINOUS SURFACE (5.0")	SQ YD	-	-	31,746	-	-	-	31,746
9	8	2331.604	BITUMINOUS PAVEMENT RECLAMATION	SQ YD	32,921	-	31,746	-	-	23,656	88,323
		2357.606	BITUMINOUS MATERIAL FOR SHOULDER TACK	GALLON	1,473	-	-	-	-	1,037	2,510
9	9,10,11	2360.501	TYPE SP 12.5 WEARING COURSE MIX (3,B)	TON	-	718	-	10,975	4,685	-	16,378
9	9,10,11,12	2360.501	TYPE SP 12.5 WEARING COURSE MIX (3,C)	TON	7,582	-	6,944	-	-	6,164	20,690
9	9,10,11	2360.502	TYPE SP 12.5 NON WEAR COURSE MIX (3,B)	TON	-	-	3,968	-	-	-	3,968
8	13,14	2501.511	12" CS PIPE CULVERT	LIN FT	44	-	-	-	-	294	338
8	13,14	2501.515	15" RC PIPE APRON	EACH	-	-	-	-	-	6	6
8	13,14	2501.515	24" RC PIPE APRON	EACH	-	-	-	-	-	1	1
8	13,14	2501.515	42" RC PIPE APRON	EACH	-	-	-	-	-	2	2
8	13,14	2501.521	28" SPAN RC PIPE-ARCH CULV CL. IIA	LIN FT	-	-	-	-	-	212	212
8	13,14	2501.525	28" SPAN RC PIPE-ARCH APRON	EACH	-	-	-	-	-	7	7
8	13,14	2503.541	15" RC PIPE SEWER DES 3006 CL. II	LIN FT	-	-	-	-	-	141	141
8	13,14	2503.541	24" RC PIPE SEWER DES 3006 CL. III	LIN FT	-	-	-	-	-	221	221
8	13,14	2503.541	42" RC PIPE SEWER DES 3006 CL. III	LIN FT	-	-	-	-	-	92	92
5,6,7	14	2504.602	ADJUST VALVE BOX	EACH	-	4	26	16	19	12	77
4,9		2506.501	CONST DRAINAGE STRUCTURE DESIGN C	LIN FT	24	-	-	-	-	8	32
5,6,7,9	14	2506.516	CASTING ASSEMBLY	EACH	6	2	-	15	6	2	31
	24	2506.602	MAN-HOLE FRAME SEAL	EACH	-	3	22	2	11	15	53
4,5,6,7		2506.602	ADJUST FRAME & RING CASTING (SPECIAL)	EACH	-	11	43	9	36	15	114
8		2511.501	RANDOM RIPRAP CLASS III	CU YD	-	-	-	-	-	142.1	142.1
	1,15,16,21,23	2521.501	4" CONCRETE WALK	SQ FT	-	100	250	900	250	-	1,500
	1,15,16,21,23	2521.501	6" CONCRETE WALK	SQ FT	-	50	125	450	125	-	750
	1,15,16,23	2531.501	CONCRETE CURB & GUTTER DESIGN B624	LIN FT	-	32	1,401	549	80	-	2,062
	1,15,16,23	2531.502	CONCRETE CURB DESIGN V6	LIN FT	-	20	-	40	100	-	160
8,9,53	1,15,16	2531.507	6" CONCRETE DRIVEWAY PAVEMENT	SQ YD	-	-	-	-	-	7.2	7.2
3,7	15,16	2531.602	PEDESTRIAN CURB RAMP (DETAIL A,B,C)	EACH	-	4	-	31	6	-	41
3,7	15,16	2531.602	PEDESTRIAN CURB RAMP (DETAIL D)	EACH	-	-	-	2	-	-	2
3,7	15,16	2531.602	PEDESTRIAN CURB RAMP (DETAIL F)	EACH	-	-	10	-	-	-	10
3,7	15,16	2531.602	PEDESTRIAN CURB RAMP (DETAIL H)	EACH	-	-	-	3	4	-	7
4		2531.618	TRUNCATED DOMES	SQ FT	-	32	80	328	112	-	552
5,7	14	2540.602	ADJUST MONUMENT BOX	EACH	-	-	-	-	2	-	2
5,7	14,17	2540.602	CONSTRUCT SURVEY MONUMENT	EACH	-	-	2	-	1	-	3
4	22	2540.602	MAIL BOX SUPPORT	EACH	-	-	-	-	-	49	49
6		2554.501	TRAFFIC BARRIER DESIGN B8338	LIN FT	358	-	378	-	-	-	736
6		2554.523	END TREATMENT-ENERGY ABSORBING TERMINAL	EACH	2	-	2	-	-	-	4
58-63	19	2563.601	TRAFFIC CONTROL	LUMP SUM	0.20	0.10	0.25	0.25	0.10	0.10	1
8		2573.502	SILT FENCE TYPE HEAVY DUTY	LIN FT	70	-	-	-	-	825	895
9	1	2573.531	STORM DRAIN INLET PROTECTION	LUMP SUM	0.20	0.10	0.25	0.25	0.10	0.10	1
8		2573.540	FILTER LOG TYPE WOOD FIBER BIOROLL	LIN FT	336	-	-	-	-	34	370
9		2575.501	SEEDING	ACRE	2.04	-	-	-	-	1.42	3.46
9		2575.502	SEED MIXTURE 250	POUND	142	-	-	-	-	100	242
9		2575.511	MULCH MATERIAL TYPE 1	TON	4.08	-	-	-	-	2.84	6.92
8	20	2575.523	EROSION CONTROL BLANKETS CATEGORY 3	SQ YD	931	-	-	-	-	378	1,309
9		2575.531	FERTILIZER TYPE 1	TON	0.30	-	-	-	-	0.22	0.52
10		2580.603	INTERIM PAVEMENT MARKING	LIN FT	43,564	4,572	61,256	48,954	2,916	28,664	189,926
10,11	18	2582.502	4" SOLID LINE WHITE-EPOXY	LIN FT	22,098	-	9,522	-	-	15,524	47,144

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10,11,12	18	2582.502	12" SOLID LINE WHITE-EPOXY	LIN FT	88	304	-	988	920	-	2,300
10,11,12	18	2582.502	4" BROKEN LINE WHITE-EPOXY	LIN FT	-	181	2,300	-	1,022	-	3,503
10,11,12	18	2582.502	24" STOP LINE WHITE-EPOXY	LIN FT	47	96	-	228	110	44	525
10,11,12	18	2582.502	4" SOLID LINE YELLOW-EPOXY	LIN FT	-	-	1,650	1,158	-	-	2,808
10,11,12	18	2582.502	4" DOUBLE SOLID LINE YELLOW-EPOXY	LIN FT	10,891	762	6,507	8,159	-	7,166	33,485

NOTES: 1) AS DIRECTED BY THE ENGINEER.

2) THIS ITEM IS FOR SHAPING OF SHOULDERS.

3) TO BE USED FOR DITCHING ON PROJECT. ALL EXCAVATED MATERIAL SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND BE DISPOSED OF AT AN APPROVED LOCATION.

4) TO BE ONLY USED FOR SWEEPING AT FINAL CLEAN UP JUST PRIOR TO PAVING ON MILLED SURFACE.

5) TO BE USED FOR DUST CONTROL ON PROJECT.

6) INCLUDES THE REQUIREMENT OF A PICK UP BROOM WITH VACUUM FOR REMOVING EXCESS MILLINGS AND DETERIORATED MILLED SURFACES AND SHALL BE CONSIDERED INCIDENTAL. DURING MILLING OPERATION. CLEANING OF MILLED SURFACE SHALL BE APPROVED BY THE ENGINEER.

7) ALL MILLINGS SHALL BE PROPERLY DISPOSED OF BY THE CONTRACTOR AT AN APPROVED LOCATION OR CAN BECOME THE PROPERTY OF THE CONTRACTOR. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO MILL BITUMINOUS SURFACE.

8) ALL SHAPING REQUIRED DURING RECLAMATION AND BEFORE PAVING SHALL BE APPROVED BY THE ENGINEER AND CONSIDERED INCIDENTAL.

9) BITUMINOUS MATERIAL FOR TACK COAT (SPEC. 2357) SHALL BE PLACED BETWEEN ALL LIFTS AND ON MILLED SURFACE SHALL BE CONSIDERED INCIDENTAL.

10) PAVING OF FIRST LIFT OF BITUMINOUS SHALL BE COMPLETED WITHIN 3 DAYS OF MILLING OR RECLAMATION. STRING LINE SHALL BE USED ON ALL LIFTS FOR A GUIDE OF PAVING OPERATIONS.

11) ALL LABOR & EQUIPMENT FOR POTHOLE FILLING AND REPAIR OF PAVEMENT DETERIORATIONS AFTER MILLING AND BEFORE PAVING SHALL BE CONSIDERED INCIDENTAL. AS DIRECTED BY THE ENGINEER.

12) INCLUDES 250 TONS FOR APPROACH TIE IN ON THE SWAN LAKE ROAD AND 50 TONS ON SKYLINE PARKWAY FOR APPROACHES. ALSO INCLUDES BITUMINOUS MIXTURE FOR SPECIAL WIDENING AREAS ON SKYLINE PARKWAY.

13) ALL EXCAVATIONS, DISPOSALS, AND MATERIALS NEEDED FOR INSTALLATION SHALL BE CONSIDERED INCIDENTAL.

14) THE CITY OF DULUTH STANDARD CONSTRUCTION SPECIFICATIONS SHALL GOVERN.

15) ALL REMOVAL, SAWING, DISPOSAL, CLASS 5, BACKFILL, SEED, MULCH AND FERTILIZER SHALL BE CONSIDERED INCIDENTAL TO THIS ITEM.

16) ALL LAYOUT ASSOCIATED WITH REMOVAL & CONSTRUCTION OF PEDESTRIAN RAMPS, SIDEWALK AND CURB & GUTTER SHALL BE DONE BY THE CONTRACTOR TO MEET DETAIL SPECIFICATIONS OR APPROVED BY THE ENGINEER. CONTRACTOR SHALL RESTRICT USE OF PEDESTRIAN RAMP FROM USE UNTIL THEY CAN BE USED SAFELY AND SUPPLY A SAFE ROUTE FOR PEDESTRIANS DURING CONSTRUCTION AND COMPLY WITH THE LATEST TEMPORARY TRAFFIC CONTROL FIELD MANUAL . ALL SIDEWALK ASSOCIATED WITH PEDESTRIAN RAMPS SHALL BE 6" THICK.

17) THIS ITEM INCLUDES REMOVAL OF EXISTING MONUMENT, EXCAVATION, PVC PIPE, REINFORCING BAR AND CONCRETE SHALL BE CONSIDERED INCIDENTAL.

18) EPOXY PAINT SHALL BE PLACED BETWEEN 10 TO 17 DAYS OF PLACEMENT OF FINAL WEAR COURSE.

19) SAFETY BARRELS SHALL BE USED TO DELINEATE TRAFFIC OVER NIGHT AND SPACED ACCORDING TO THE LATEST TRAFFIC CONTROL FIELD MANUAL.

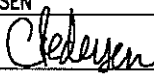
20) SEED AND FERTILIZER ARE CONSIDERED INCIDENTAL.

21) TOP SOIL, SEED, MUCH, AND FERTILIZER SHALL BE CONSIDERED INCIDENTAL.

22) INCLUDES - REMOVALS, INSTALLATION, NEW MAIL BOX (STANDARD), ADDRESS LABEL, ALL MATERIALS FOR INSTALLATION OF ITEMS, AND CONSIDERED INCIDENTAL.

23) PEDESTRIAN CURB RAMPS HAVE CALCULATED QUANTITY ASSOCIATED WITH EACH DETAIL. ADDITIONAL QUANTITIES HAVE BEEN ADDED TO MEET REQUIREMENTS IF NEEDED AND TO BE USED AT THE DIRECTION OF THE ENGINEER.

24) TO BE USE IN CONJUNCTION WITH SANITARY MANHOLES ONLY.

CERTIFIED BY: CAROLINE PEDERSEN			REG. NO.: 42634		REVISION		PROJECT LOCATION - ALL PROJECTS			DRAWN BY: SCA	
SIGNATURE: 			DATE: 5-06-2011		 QUANTITY CHANGE OF BITUMINOUS AND MILLING ON EAST 1ST ST.		CITY OF DULUTH			ESTIMATED QUANTITIES	
							CITY PROJECT NO.: 0787TR,0828TR,0829TR,0832TR,0835TR,0852TR			SHEET NO. 2 OF 63	