

STATEMENT OF ESTIMATED QUANTITIES

ITEM NO.	MNDOT NO.	ITEM	UNIT	S.A.P. 204-132-01(171ST)		S.A.P. 204-010-04(TH 10)		STORM SEWER	CITY	FINAL TOTAL
				QUANTITIES		QUANTITIES				
				STREET		STREET				
1	2021.501	MOBILIZATION	LS	1	0	0	0	0	0	1
2	2101.501	CLEARING	ha	0.14	0	0	0	0	0	0.14
3	2101.506	GRUBBING	ha	0.14	0	0	0	0	0	0.14
4	2104.501	REMOVE CMP CULVERT	m	31	0	0	0	0	0	31
5	2104.501	REMOVE RCP CULVERT	m	45	2.5	0	0	0	0	47.5
6	2104.501	REMOVE CONCRETE CURB & GUTTER	m	0	0	0	0	10	0	10
7	2104.505	REMOVE CONCRETE PAVEMENT	m <sup>2</sup>	117	0	0	0	0	0	117
8	2104.505	REMOVE BITUMINOUS PAVEMENT	m <sup>2</sup>	1808	20	0	0	535	0	2363
9	2104.509	REMOVE CATCH BASIN/MANHOLE	EA	1	1	0	0	0	0	2
10	2104.513	SAWCUT BITUMINOUS PAVEMENT	m	260	40	0	0	50	0	350
11	2104.601	SALVAGE & REINSTALL SIGNS	LS	1	0	0	0	0	0	1
12	2104.601	SALVAGE & REINSTALL FENCE	LS	1	0	0	0	0	0	1
13	2104.601	SALVAGE & REINSTALL FENCE GATE	LS	1	0	0	0	0	0	1
14	2105.501	COMMON EXCAVATION (EV) (P)	m <sup>3</sup>	3530	0	0	0	635	0	0
15	2105.507	SUBGRADE EXCAVATION (EV)	m <sup>3</sup>	360	0	0	0	0	0	360
16	2105.522	SELECT GRANULAR BORROW (CV)	m <sup>3</sup>	360	0	0	0	0	0	360
17	2105.525	TOPSOIL BORROW	m <sup>3</sup>	250	5	0	0	90	0	345
18	2211.501	AGGREGATE BASE --- CLASS 5A	t	5485	30	0	0	1370	0	6485
19	2232.501	MILL BITUMINOUS SURFACE	m <sup>2</sup>	116	50	0	0	55	0	221
20	2340.508	TYPE 41 WEAR COURSE MIXTURE (41WEA50005Y)	t	1185	7	0	0	315	0	221
21	2340.510	TYPE 31 BINDER COURSE MIXTURE (31BIB50000Y)	t	1180	0	0	0	0	0	1180
22	2340.514	TYPE 31 BASE COURSE MIXTURE (31BBB50000Y)	t	1180	6	0	0	310	0	1496
23	0331.601	100 mm BITUMINOUS DRIVEWAY PAVEMENT	m <sup>2</sup>	355	0	0	0	240	0	595
24	0331.601	BITUMINOUS PARKING LOT PAVEMENT	m <sup>2</sup>	580	0	0	0	0	0	580
25	2357.502	BITUMINOUS FOR TACK COAT	L	4150	5	0	0	540	0	4695
26	2501.567	300 mm RCP SAFETY APRON WITH TRASH GUARD	EA	0	0	1	0	0	0	1
27	2501.515	900 mm RCP SAFETY APRON	EA	0	0	1	0	0	0	1
28	2503.541	300 mm RCP PIPE CL III, DESIGN 3006	m	0	3	8.7	21	0	0	32.7
29	2503.541	375 mm RCP PIPE CL III, DESIGN 3006	m	0	0	175.3	11	0	0	186.3
30	2503.541	450 mm RCP PIPE CL III, DESIGN 3006	m	0	3	128.2	92.75	0	0	220.95
31	2503.541	525 mm RCP PIPE CL III, DESIGN 3006	m	0	0	113	0	0	0	113
32	2503.541	600 mm RCP PIPE CL III, DESIGN 3006	m	0	0	56.8	0	0	0	56.8
33	2503.541	450 mm ARCH-RCP PIPE CL III, DESIGN 3006	m	0	3	16.8	0	0	0	16.8
34	2503.541	750 mm RCP PIPE CL III, DESIGN 3006	m	0	0	37.5	0	0	0	37.5
35	2503.541	900 mm RCP PIPE CL III, DESIGN 3006	m	0	0	3.2	0	0	0	3.2
36	0503.603	450 mm HDPE PIPE	m	0	0	104	0	0	0	104
37	2506.501	CONST. DRAIN, STRUC. --- EXTRA DEPTH	m	0	0.37	1.14	0	0	0	2.22
38	2506.502	CONST. DRAIN, STRUC. DES. 1200 - 4020	EA	1	1	6	1	0	0	8
39	2506.502	CONST. DRAIN, STRUC. DES. 1500 - 4020	EA	0	0	3	0	0	0	3
40	2506.502	CONST. DRAIN, STRUC. DES. SPECIAL 675 mm	EA	0	1	2	0	0	0	3
41	2506.502	CONST. DRAIN, STRUC. DES. SPEC. 600 mm x 900	EA	0	0	3	2	0	0	5
42	2506.502	CONST. DRAIN, STRUC. DES. 1800 - 4020	EA	0	0	1	0	0	0	1
43	2506.502	CONST. DRAIN, STRUC. DES. 2100 - 4020	EA	0	0	1	0	0	0	1
44	2506.502	CONST. DRAIN, STRUC. DES. 4021	EA	0	0	1	0	0	0	1
45	2511.501	RANDOM RIP RAP, CLASS 3	t	0	0	13.23	8	0	0	21.23
46	2531.501	CONCRETE CURB & GUTTER, B618	m	1135	0	0	300	0	0	1435
47	2531.507	150 mm CONCRETE DRIVEWAY APRON	m <sup>2</sup>	6.3	0	0	0	0	0	6.3
48	0531.602	CONCRETE VALLEY GUTTER TRIANGLE SECTIONS	EA	12	0	0	2	0	0	14
49	0531.604	CONCRETE VALLEY GUTTER	m <sup>2</sup>	71	0	0	13.5	0	0	84.5
50	0563.601	TRAFFIC CONTROL	LS	1	0	0	0	0	0	1
51	2564.531	FURNISH & INSTALL SIGN PANELS, TYPE C	m <sup>2</sup>	9.55	0	0	2.28	0	0	11.83
52	0564.601	PAVEMENT MARKING - PARKING STALLS	LS	1	0	0	0	0	0	1
53	0564.602	PAVEMENT MESSAGE (LEFT ARROW)	EA	4	0	0	0	0	0	4
54	0564.602	PAVEMENT MESSAGE (RIGHT ARROW)	EA	4	0	0	0	0	0	4
55	0564.602	PAVEMENT MESSAGE (ONLY)	EA	4	0	0	0	0	0	4
56	0564.603	600 mm STOP LINE --- WHITE	m	20	0	0	10	0	0	30
57	0564.603	100 mm BROKEN LINE --- WHITE	m	408	0	0	0	0	0	408
58	0564.603	100 mm SOLID LINE --- WHITE	m	100	0	0	0	0	0	100
59	0564.603	100 mm DOUBLE SOLID LINE --- YELLOW	m	1020	0	0	0	0	0	1020
60	0564.603	100 mm BROKEN LINE --- YELLOW	m	0	0	0	160	0	0	160
61	2573.501	BALE CHECKS	EA	12	0	0	0	0	0	12
62	2573.502	SILT FENCE SELF SUPPORTING	m	140	0	0	0	0	0	140
63	0573.602	INLET PROTECTION	EA	17	1	0	3	0	0	21
64	2575.505	SODDING, TYPE LAWN & BOULEVARD	m <sup>2</sup>	2350	40	0	885	0	0	3275
65	2575.509	ROADSIDE SEEDING SPECIAL	ha	0.8	0.1	0	0.5	0	0	1.4
66	2575.523	WOOD FIBER BLANKET, TYPE REGULAR	m <sup>2</sup>	150	0	0	100	0	0	250
67	SPEC	STANDARD PROCTOR	EA	1	0	0	0	0	0	0
68	SPEC	SUBGRADE DENSITY TEST, INPLACE	EA	4	0	0	2	0	0	0
69	SPEC	CLASS 5 DENSITY TEST, INPLACE	EA	4	0	0	2	0	0	0
70	SPEC	CLASS 5 PROCTOR TEST	EA	1	0	0	0	0	0	0
71	SPEC	CLASS 5 GRADATION TEST	EA	5	0	0	2	0	0	0
72	SPEC	CONCRETE CYLINDERS (3 EA)	EA	6	0	0	3	0	0	0
73	SPEC	CONCRETE SLUMP	EA	6	0	0	3	0	0	0
74	SPEC	CONCRETE AIR ENTRAINMENT TEST	EA	6	0	0	3	0	0	0

BASIS FOR QUANTITIES

AGGREGATE BASE, CLASS 5-A:  
COMPACTED DRY DENSITY 2.16 t/m<sup>3</sup>

TYPE 31 BITUMINOUS BASE COURSE:  
BITUMINOUS MATERIAL - 5.0% OF MIXTURE BY WEIGHT  
BITUMINOUS MIXTURE - 2.40 t/m<sup>3</sup>

TYPE 41 BITUMINOUS WEAR COURSE:  
BITUMINOUS MATERIAL - 5.8% OF MIXTURE BY WEIGHT  
BITUMINOUS MIXTURE - 2.40 t/m<sup>3</sup>

BITUMINOUS TACK COAT:  
0.23 L/m<sup>3</sup>

THE FOLLOWING STANDARD PLATES AS APPROVED BY FHWA SHALL APPLY:

STANDARD PLATES PLATE NO.	DESCRIPTION
M 3000 L	REINFORCED CONCRETE PIPE
M 3006 G	GASKET JOINT FOR R. C. PIPE
M 3022 A	PRECAST CONCRETE END SECTION (6:1 SLOPE)
M 3100 G	CONCRETE APRON FOR REINFORCED CONCRETE PIPE
M 3133 B	RIP RAP AT CONCRETE OUTLETS
M 3145 E	CONCRETE PIPE TIES
M 4009 H	MANHOLE OR CATCH BASIN DESIGN J
4020 G	MANHOLE OR CATCH BASIN COVER
4021 E	PRECAST CURB OPENING CATCH BASIN
M 7035 J	CONCRETE WALK & CURB RETURNS AT ENTRANCES
M 7100 G	CONCRETE CURB AND GUTTER DESIGN B
M 7102 I	CONCRETE CURB AND GUTTER DESIGN S
8002 G	PERMANENT BARRICADES
M 9102 D	TURF ESTABLISHMENT AREAS

RECORD PLAN  
OCTOBER 1997

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY REGISTERED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

*Luigi Mann*  
DATE 7/23/96 REG. NO. 15316



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REVISIONS	DATE	DESCRIPTION	DESIGNED	CHECKED	DRAWN

CITY OF ELK RIVER  
171ST AVENUE / T.H. 10 / ULYSSES STREET  
STATEMENT OF ESTIMATED QUANTITIES

S.A.P. 204-132-01(171ST AVE.) S.A.P. 204-010-04(TH 10)

DATE JULY 1996 SHEET 2 OF 25 SHEETS PROJECT NO. 230-313-20