

STATEMENT OF ESTIMATED QUANTITIES

NO.	SPEC. REF.	ITEM	UNIT	QUANTITIES													TOTAL
				SCHOOL ST.		JACKSON AVENUE			T.H. 169		T.H. 10		FREEPORT AVE.			OTHER	
				S.A.P. 204-107-04	STREET	S.A.P. 204-104-04	STREET	STORM SEWER	STREET	STORM SEWER	STREET	STORM SEWER	STREET	STORM SEWER	STREET		
2021.501		MOBILIZATION	LS	0.5		0.5											1
2031.501		FIELD OFFICE TYPE D	EACH	0.5		0.5											1
2101.501		CLEARING	ACRE	2.15		1.4		0.05									3.60
2101.506		GRUBBING	ACRE	2.25		1.45		0.05									3.75
2104.501		REMOVE CONCRETE CURB AND GUTTER (P)	LF	6575		875											7450
2104.501		REMOVE METAL CULVERT (P)	LF			280		45									325
2104.501		REMOVE CONCRETE CULVERT (P)	LF			190						23					213
2104.501		REMOVE FENCE (P)	LF			220											220
2104.503		REMOVE CONCRETE SIDEWALK (P)	SF	22615		3200											25815
2104.505		REMOVE CONCRETE MEDIAN (P)	SY			23											23
2104.505		REMOVE CONCRETE PAVEMENT (P)	SY	53		7922			120								8095
2104.505		REMOVE BITUMINOUS PAVEMENT (P)	SY	6551		18847			320								26025
2104.509		REMOVE CATCH BASINS	EA.	1		2											3
2104.513		SAWING BITUMINOUS PAVEMENT	LF	6650		770		1830		300							9550
2104.523		SALVAGE CONCRETE APRON AND REINSTALL	EA.								1						1
2104.523		SALVAGE HYDRANT	EA.	6		2											8
2104.523		SALVAGE GATE VALVE AND BOX	EA.	6		2											8
2104.523		SALVAGE SIGN	LS	1		1											2
2104.523		SALVAGE CASTING	EA.		11												11
2105.501		COMMON EXCAVATION (P)	CY	5305		14080			80				9680				29145
2105.535		SALVAGE TOPSOIL (P)	CY	1778		1542			132				652				4204
2112.501		SUB GRADE PREP	RDSTA	31		41			19				34.83				131.83
2211.501		AGGREGATE BASE, CLASS 5	TON	7000		13350			1525		210						32839
2221.501		AGGREGATE SHOULDERING CLASS 5	TON						86								86
2232.501		MILL BITUMINOUS SURFACE	SY	1475		351			537								2363
2340.508		TYPE 61 WEARING COURSE MIXTURE	TON	2000					150								2150
2340.508		TYPE 41, WEAR COURSE MIXTURE	TON			2110			37				1920				4162
2340.510		TYPE 31 BINDER COURSE MIXTURE	TON	1300					267								1567
2340.512		LEVELING COURSE MIXTURE 31	TON	480													480
2340.514		TYPE 31 BASE COURSE MIXTURE	TON	1400		2750			314				95		2370		6929
2357.502		BITUMINOUS MATERIAL FOR TACK COAT	GAL	1700		1100			235				50		958		4043
0411.60		CONC BLOCK RETAINING WALL	SF	2800		1750											4550
2501.511		18" CM PIPE CULVERT	LF		74												74
2501.511		18" RC PIPE CULVERT CLASS III	LF		22											228	250
2501.511		36" RC PIPE CULVERT CLASS III	LF													24	24
2501.515		18" CM PIPE APRON	EA.		1												1
2501.515		18" RC PIPE APRON	EA.		1											2	3
2501.515		24" RC PIPE APRON	EA.														3
2501.567		RC SAFETY APRON & GRATE DES 3128	EA.		2												2
2503.541		15" RC PIPE SEWER DESIGN 3006 CLASS III	LF		470		2650										2077
2503.541		18" RC PIPE SEWER DESIGN 3006 CLASS III	LF		97		262										308
2503.541		21" RC PIPE SEWER DESIGN 3006 CLASS III	LF				360										955
2503.541		24" RC PIPE SEWER DESIGN 3006 CLASS III	LF				1618										1578
2503.541		27" RC PIPE SEWER DESIGN 3006 CLASS III	LF														192
2503.541		30" RC PIPE SEWER DESIGN 3006 CLASS III	LF														24
0504.60		INSTALL HYDRANT AND VALVE	EA.	6		2											8
0504.602		16" X 16" WETTAP	EA.			1											1
0504.602		6" GATE VALVE AND BOX	EA.	1													1
0504.60		ADJUST GATE VALVE	EA.	7													7
0504.602		RELOCATE HYDRANT AND VALVE	EA.	1													3
0504.60		6" WATERMAIN DUCTILE IRON CL52	LF	86		47											133
0504.605		2" INSULATION	SY	360													360
0504.620		DUCTILE IRON FITTINGS	LBS	490													490
2506.502		CONSTRUCT DRAINAGE STRUC., DESIGN 27-4020	EA.				2										2
2506.502		CONSTRUCT DRAINAGE STRUC., DESIGN 48-4020	EA.				11										14
2506.502		CONSTRUCT DRAINAGE STRUC., DESIGN 60-4020	EA.				3										4
2506.502		CONSTRUCT DRAINAGE STRUC., DESIGN 24X36	EA.				40										26
2506.512		RECONSTRUCT MANHOLE	LF			5											5
2506.516		CASTING ASSEMBLY	EA.			10											10
2506.522		ADJUST FRAME AND RING CASTING	EA.	4													4
0506.602		CONSTRUCT CONTROL STRUCTURE	EA.														13
0506.602		CONNECT INTO EXISTING DRAIN. STRUC.	EA.														1
0506.60		CONNECT INTO EXISTING STORM SEWER	EA.														1
2511.501		RANDOM RIPRAP CLASS III	CY														15
2521.501		3" CONCRETE WALK	SF	2610		765											2718
2521.501		4" CONCRETE WALK	SF	33000		18930		2700									6093
2521.501		6" CONCRETE WALK	SF	450													450
2521.501		8" CONCRETE WALK	SF	1610													1610
0521.607		2" BIT. WALK	SY			2117		2116									4233
2531.501		CONCRETE CURB AND GUTTER DESIGN B618	LF	7850		8500			251				360				6966
2531.501		CONCRETE CURB AND GUTTER DESIGN S518	LF	430													285
2531.507		6" CONCRETE DRIVEWAY & APRONS	SY	317		89											406
2531.507		8" CONCRETE DRIVEWAY & APRONS	SY	90													90
0531.60		PEDESTRIAN CURB RAMP	EA.			35											35
0531.60		TRIANGULAR VALLEY GUTTER	EA.			4											4
0531.604		8" CONCRETE VALLEY GUTTER	SF	1419		135											1554
0531.605		CONCRETE ISLAND	SY	36													36
0563.601		TRAFFIC CONTROL	LS	1		1											2
2564.531		F & I SIGN PANELS, TYPE C	SF	163		131.25											4
0564.602		PAVEMENT MESSAGE TURN ARROWS	EA.	40		18											58
0564.604		CROSSWALK MARKING	SF	1356		300											1656
2565.511		FULL T ACT T CTRL SIG. SYS. SCHOOL/JACKSON	SIG SYS	0.5		0.5											1
2565.511		FULL T ACT T CTRL SIG. SYS. SCHOOL/FREEPORT	SIG SYS	0.5		0.5											1
0565.601		SALVAGE & REINSTALL CROSSWALK SIGNAL	EA.	2										0.25		0.25	2

* GRANULAR OR GEOTEXTILE FILTER MATERIAL WILL BE CONSIDERED INCIDENTAL TO RIPRAP CONSTRUCTION AND NO DIRECT COMPENSATION WILL BE MADE THEREFOR.

** STATE AID PARTICIPATION LIMITED TO 5' WIDTH

*** ALL TRAFFIC CONTROL SIGNING AND DEVICES SHALL CONFORM TO THE MMUTCD, INCLUDING APPENDIX B, DATED NOV. 1992.

BASIS OF ESTIMATED QUANTITIES

AGGREGATE BASE, CLASS 5:
COMPACTED DRY DENSITY 1.86 TON/C.Y.

TYPE 31 BITUMINOUS BASE/BINDER COURSE:
BITUMINOUS MATERIAL - 5.3% OF MIXTURE BY WEIGHT
BITUMINOUS MIXTURE - 1.98 TON/C.Y.

TYPE 61 BITUMINOUS WEAR COURSE:
BITUMINOUS MATERIAL - 6.1% BY WEIGHT
BITUMINOUS MIXTURE - 1.98 TON/C.Y.

BITUMINOUS TACK COAT:
0.05 GAL./S.Y.

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.
Paul Butcher
DATE 5-20-94 REG. NO. 13929



1326 ENERGY PARK DRIVE
ST. PAUL, MINNESOTA 55108
(612) 644-4389

9800 SHELARD PARKWAY
MINNEAPOLIS, MINNESOTA 55441
(612) 546-0432

REVISIONS	DATE	DESCRIPTION	DESIGNED	PER.
	5/20/94	STATE AID COMMENTS	CHECKED	
			DRAWN	

GRAPHIC SCALE	
0	HORIZ.]
0	VERT.]

CITY OF ELK RIVER
STREET CONSTRUCTION
SCHOOL STREET, JACKSON AVENUE, TH 169 TURN LANE, TH 10 TURN LANE
ESTIMATED QUANTITIES & DETAILS
S.A.P. 204-104-04 MTB & 204-105