

CASS COUNTY HIGHWAY DEPARTMENT													
PROJECT NO. CH1103 CULVERT INSTALLATION ON C16 FROM THE INTERSECTION OF C16 & C17 WEST 3 MILES.				ESTIMATED QUANTITIES		ENGINEER'S ESTIMATE		ADELMAN CONCRETE & EXCAVATING, INC. 1168 CENTER ST. WEST FARGO, ND 58078		NORTHERN STATES EXCAVATING, INC. 5102 CO. RD 31 FARGO, ND 58102		DAKOTA UNDERGROUND CO. 4001 15TH AVE NW FARGO, ND 58102	
ITEM	SPEC NO.	DESCRIPTION	UNIT	APPROX. QUANTITY	UNIT COST	TOTAL	UNIT COST	TOTAL	UNIT COST	TOTAL	UNIT COST	TOTAL	
1	103	CONTRACT BOND	LS	1	\$2,500.00	\$2,500.00	\$3,000.00	\$3,000.00	\$2,950.00	\$2,950.00	\$1,100.00	\$1,100.00	
2	202	REMOVAL OF CONCRETE PAVEMENT	SY	240	\$10.00	\$2,400.00	\$9.00	\$2,160.00	\$7.71	\$1,850.40	\$12.00	\$2,880.00	
3	203	COMMON EXCAVATION	CY	1200	\$10.00	\$12,000.00	\$3.50	\$4,200.00	\$2.75	\$3,300.00	\$10.00	\$12,000.00	
4	216	WATER	M GAL	100	\$13.00	\$1,300.00	\$10.00	\$1,000.00	\$29.00	\$2,900.00	\$0.01	\$1.00	
5	302	SELECT FILL - CLASS 5	TON	769	\$22.00	\$16,918.00	\$13.75	\$10,573.75	\$13.00	\$9,997.00	\$14.50	\$11,150.50	
6	302	CRUSHED CONCRETE - CLASS 5	TON	415	\$22.00	\$9,130.00	\$13.75	\$5,706.25	\$20.50	\$8,507.50	\$17.50	\$7,262.50	
7	550	CONCRETE - CUT OFF WALL	CY	15	\$300.00	\$4,500.00	\$150.00	\$2,250.00	\$295.00	\$4,425.00	\$600.00	\$9,000.00	
8	702	MOBILIZATION	LS	1	\$5,000.00	\$5,000.00	\$17,000.00	\$17,000.00	\$1,600.00	\$1,600.00	\$2,500.00	\$2,500.00	
9	704	TRAFFIC CONTROL	LS	1	\$3,000.00	\$3,000.00	\$2,500.00	\$2,500.00	\$2,125.00	\$2,125.00	\$2,000.00	\$2,000.00	
10	708	RIPRAP	CY	147	\$50.00	\$7,350.00	\$55.00	\$8,085.00	\$65.00	\$9,555.00	\$60.00	\$8,820.00	
11	708	RIPRAP - SALVAGED CONCRETE	CY	40	\$50.00	\$2,000.00	\$25.00	\$1,000.00	\$16.50	\$660.00	\$15.00	\$600.00	
12	708	SEEDING & MULCHING	ACRE	1.0	\$2,000.00	\$2,000.00	\$1,000.00	\$1,000.00	\$1,250.00	\$1,250.00	\$1,500.00	\$1,500.00	
13	709	GEOTEXTILE FABRIC-TYPE R1	SY	613	\$3.00	\$1,839.00	\$2.50	\$1,532.50	\$2.70	\$1,655.10	\$2.50	\$1,532.50	
14	714	PIPE CORR STEEL 0.079IN 30IN	LF	44	\$45.00	\$1,980.00	\$26.90	\$1,183.60	\$37.90	\$1,667.60	\$44.00	\$1,936.00	
15	714	END SECT CORR STEEL 0.079IN 30IN	EA	2	\$250.00	\$500.00	\$264.71	\$529.42	\$197.80	\$395.60	\$480.00	\$960.00	
16	714	PIPE CORR STEEL 0.138IN ARCH 71IN X 47IN	LF	360	\$120.00	\$43,200.00	\$97.80	\$35,208.00	\$136.12	\$49,003.20	\$123.00	\$44,280.00	
17	714	END SECT CORR STEEL 0.138IN ARCH 71IN X 47IN	EA	10	\$1,500.00	\$15,000.00	\$866.51	\$8,665.10	\$1,276.81	\$12,768.10	\$1,330.00	\$13,300.00	

TOTAL = \$130,617.00 TOTAL: \$105,593.62 TOTAL: \$114,609.50 TOTAL: \$120,822.50

CASS COUNTY HIGHWAY DEPARTMENT													
PROJECT NO. CH1103 CULVERT INSTALLATION ON C16 FROM THE INTERSECTION OF C16 & C17 WEST 3 MILES.				ESTIMATED QUANTITIES		ENGINEER'S ESTIMATE		INDUSTRIAL BUILDERS, INC. PO BOX 406 FARGO,ND 58107		EXCAVATING INC. 6218 53RD AVE SW FARGO,ND 58104		CENTRAL SPECIALTIES, INC. 6325 CO. RD 87 SW ALEXANDRIA,MN 56308	
ITEM	SPEC NO.	DESCRIPTION	UNIT	APPROX. QUANTITY	UNIT COST	TOTAL	UNIT COST	TOTAL	UNIT COST	TOTAL	UNIT COST	TOTAL	
1	103	CONTRACT BOND	LS	1	\$2,500.00	\$2,500.00	\$1,000.00	\$1,000.00	\$1,350.00	\$1,350.00	\$185.00	\$185.00	
2	202	REMOVAL OF CONCRETE PAVEMENT	SY	240	\$10.00	\$2,400.00	\$5.00	\$1,200.00	\$3.80	\$912.00	\$10.00	\$2,400.00	
3	203	COMMON EXCAVATION	CY	1200	\$10.00	\$12,000.00	\$5.00	\$6,000.00	\$6.10	\$7,320.00	\$7.50	\$9,000.00	
4	216	WATER	M GAL	100	\$13.00	\$1,300.00	\$10.00	\$1,000.00	\$15.00	\$1,500.00	\$1.00	\$100.00	
5	302	SELECT FILL - CLASS 5	TON	769	\$22.00	\$16,918.00	\$16.00	\$12,304.00	\$21.53	\$16,556.57	\$17.50	\$13,457.50	
6	302	CRUSHED CONCRETE - CLASS 5	TON	415	\$22.00	\$9,130.00	\$16.00	\$6,640.00	\$16.30	\$6,764.50	\$20.00	\$8,300.00	
7	550	CONCRETE - CUT OFF WALL	CY	15	\$300.00	\$4,500.00	\$500.00	\$7,500.00	\$434.00	\$6,510.00	\$400.00	\$6,000.00	
8	702	MOBILIZATION	LS	1	\$5,000.00	\$5,000.00	\$12,000.00	\$12,000.00	\$900.00	\$900.00	\$2,070.00	\$2,070.00	
9	704	TRAFFIC CONTROL	LS	1	\$3,000.00	\$3,000.00	\$2,100.00	\$2,100.00	\$2,600.00	\$2,600.00	\$1,500.00	\$1,500.00	
10	708	RIPRAP	CY	147	\$50.00	\$7,350.00	\$45.00	\$6,615.00	\$51.00	\$7,497.00	\$75.00	\$11,025.00	
11	708	RIPRAP - SALVAGED CONCRETE	CY	40	\$50.00	\$2,000.00	\$45.00	\$1,800.00	\$41.00	\$1,640.00	\$60.00	\$2,400.00	
12	708	SEEDING & MULCHING	ACRE	1.0	\$2,000.00	\$2,000.00	\$1,600.00	\$1,600.00	\$1,590.00	\$1,590.00	\$1,695.00	\$1,695.00	
13	709	GEOTEXTILE FABRIC-TYPE R1	SY	613	\$3.00	\$1,839.00	\$3.00	\$1,839.00	\$2.90	\$1,777.70	\$2.50	\$1,532.50	
14	714	PIPE CORR STEEL 0.079IN 30IN	LF	44	\$45.00	\$1,980.00	\$40.00	\$1,760.00	\$54.80	\$2,411.20	\$35.00	\$1,540.00	
15	714	END SECT CORR STEEL 0.079IN 30IN	EA	2	\$250.00	\$500.00	\$420.00	\$840.00	\$433.00	\$866.00	\$250.00	\$500.00	
16	714	PIPE CORR STEEL 0.138IN ARCH 71IN X 47IN	LF	360	\$120.00	\$43,200.00	\$130.00	\$46,800.00	\$146.65	\$52,794.00	\$145.00	\$52,200.00	
17	714	END SECT CORR STEEL 0.138IN ARCH 71IN X 47IN	EA	10	\$1,500.00	\$15,000.00	\$1,150.00	\$11,500.00	\$1,467.00	\$14,670.00	\$1,500.00	\$15,000.00	

TOTAL = \$130,617.00 TOTAL: \$122,498.00 TOTAL: \$127,658.97 TOTAL: \$128,905.00

CASS COUNTY HIGHWAY DEPARTMENT													
PROJECT NO. CH1103 CULVERT INSTALLATION ON C16 FROM THE INTERSECTION OF C16 & C17 WEST 3 MILES.				ESTIMATED QUANTITIES		ENGINEER'S ESTIMATE		GLADEN CONSTRUCTION, INC. 40739 US 71 LAPORTE, MN 56461		SELLIN BROTHERS, INC. PO BOX 159 HAWLEY, MN 56549		MASTER CONSTRUCTION, INC. 1572 45TH ST. N FARGO, ND 58102	
ITEM	SPEC NO.	DESCRIPTION	UNIT	APPROX. QUANTITY	UNIT COST	TOTAL	UNIT COST	TOTAL	UNIT COST	TOTAL	UNIT COST	TOTAL	
1	103	CONTRACT BOND	LS	1	\$2,500.00	\$2,500.00	\$1,445.00	\$1,445.00	\$1,200.00	\$1,200.00	\$1,000.00	\$1,000.00	
2	202	REMOVAL OF CONCRETE PAVEMENT	SY	240	\$10.00	\$2,400.00	\$20.00	\$4,800.00	\$7.00	\$1,680.00	\$20.00	\$4,800.00	
3	203	COMMON EXCAVATION	CY	1200	\$10.00	\$12,000.00	\$6.80	\$8,160.00	\$6.00	\$7,200.00	\$10.00	\$12,000.00	
4	216	WATER	M GAL	100	\$13.00	\$1,300.00	\$22.00	\$2,200.00	\$12.00	\$1,200.00	\$5.00	\$500.00	
5	302	SELECT FILL - CLASS 5	TON	769	\$22.00	\$16,918.00	\$15.90	\$12,227.10	\$19.00	\$14,611.00	\$15.90	\$12,227.10	
6	302	CRUSHED CONCRETE - CLASS 5	TON	415	\$22.00	\$9,130.00	\$19.50	\$8,092.50	\$18.00	\$7,470.00	\$22.00	\$9,130.00	
7	550	CONCRETE - CUT OFF WALL	CY	15	\$300.00	\$4,500.00	\$475.00	\$7,125.00	\$470.00	\$7,050.00	\$525.00	\$7,875.00	
8	702	MOBILIZATION	LS	1	\$5,000.00	\$5,000.00	\$9,700.00	\$9,700.00	\$3,000.00	\$3,000.00	\$6,500.00	\$6,500.00	
9	704	TRAFFIC CONTROL	LS	1	\$3,000.00	\$3,000.00	\$2,200.00	\$2,200.00	\$1,600.00	\$1,600.00	\$2,125.00	\$2,125.00	
10	708	RIPRAP	CY	147	\$50.00	\$7,350.00	\$59.00	\$8,673.00	\$65.00	\$9,555.00	\$85.00	\$12,495.00	
11	708	RIPRAP - SALVAGED CONCRETE	CY	40	\$50.00	\$2,000.00	\$72.00	\$2,880.00	\$25.00	\$1,000.00	\$55.00	\$2,200.00	
12	708	SEEDING & MULCHING	ACRE	1.0	\$2,000.00	\$2,000.00	\$1,550.00	\$1,550.00	\$1,700.00	\$1,700.00	\$1,600.00	\$1,600.00	
13	709	GEOTEXTILE FABRIC-TYPE R1	SY	613	\$3.00	\$1,839.00	\$3.20	\$1,961.60	\$2.30	\$1,409.90	\$5.00	\$3,065.00	
14	714	PIPE CORR STEEL 0.079IN 30IN	LF	44	\$45.00	\$1,980.00	\$44.25	\$1,947.00	\$52.00	\$2,288.00	\$58.65	\$2,580.60	
15	714	END SECT CORR STEEL 0.079IN 30IN	EA	2	\$250.00	\$500.00	\$418.00	\$836.00	\$600.00	\$1,200.00	\$475.00	\$950.00	
16	714	PIPE CORR STEEL 0.138IN ARCH 71IN X 47IN	LF	360	\$120.00	\$43,200.00	\$126.70	\$45,612.00	\$153.00	\$55,080.00	\$125.00	\$45,000.00	
17	714	END SECT CORR STEEL 0.138IN ARCH 71IN X 47IN	EA	10	\$1,500.00	\$15,000.00	\$1,135.00	\$11,350.00	\$1,525.00	\$15,250.00	\$1,150.00	\$11,500.00	

TOTAL = \$130,617.00 TOTAL: \$130,759.20 TOTAL: \$132,493.90 TOTAL: \$135,547.70

CASS COUNTY HIGHWAY DEPARTMENT										
PROJECT NO. CH1103 CULVERT INSTALLATION ON C16 FROM THE INTERSECTION OF C16 & C17 WEST 3 MILES.			ESTIMATED QUANTITIES		ENGINEER'S ESTIMATE		H & S CONTRACTING, INC. PO BOX 186 MOORHEAD, MN 56561		RILEY BROTHERS COMPANIES PO BOX 535 MORRIS, MN 56267	
ITEM	SPEC NO.	DESCRIPTION	UNIT	APPROX. QUANTITY	UNIT COST	TOTAL	UNIT COST	TOTAL	UNIT COST	TOTAL
1	103	CONTRACT BOND	LS	1	\$2,500.00	\$2,500.00	\$4,290.00	\$4,290.00	\$1,000.00	\$1,000.00
2	202	REMOVAL OF CONCRETE PAVEMENT	SY	240	\$10.00	\$2,400.00	\$9.75	\$2,340.00	\$3.00	\$720.00
3	203	COMMON EXCAVATION	CY	1200	\$10.00	\$12,000.00	\$3.80	\$4,560.00	\$6.00	\$7,200.00
4	216	WATER	M GAL	100	\$13.00	\$1,300.00	\$23.25	\$2,325.00	\$25.00	\$2,500.00
5	302	SELECT FILL - CLASS 5	TON	769	\$22.00	\$16,918.00	\$17.00	\$13,073.00	\$16.00	\$12,304.00
6	302	CRUSHED CONCRETE - CLASS 5	TON	415	\$22.00	\$9,130.00	\$24.50	\$10,167.50	\$16.00	\$6,640.00
7	550	CONCRETE - CUT OFF WALL	CY	15	\$300.00	\$4,500.00	\$408.00	\$6,120.00	\$350.00	\$5,250.00
8	702	MOBILIZATION	LS	1	\$5,000.00	\$5,000.00	\$4,900.00	\$4,900.00	\$6,500.00	\$6,500.00
9	704	TRAFFIC CONTROL	LS	1	\$3,000.00	\$3,000.00	\$2,245.00	\$2,245.00	\$1,925.00	\$1,925.00
10	708	RIPRAP	CY	147	\$50.00	\$7,350.00	\$60.00	\$8,820.00	\$105.00	\$15,435.00
11	708	RIPRAP - SALVAGED CONCRETE	CY	40	\$50.00	\$2,000.00	\$93.00	\$3,720.00	\$125.00	\$5,000.00
12	708	SEEDING & MULCHING	ACRE	1.0	\$2,000.00	\$2,000.00	\$1,700.00	\$1,700.00	\$1,695.00	\$1,695.00
13	709	GEOTEXTILE FABRIC-TYPE R1	SY	613	\$3.00	\$1,839.00	\$2.00	\$1,226.00	\$2.50	\$1,532.50
14	714	PIPE CORR STEEL 0.079IN 30IN	LF	44	\$45.00	\$1,980.00	\$84.50	\$3,718.00	\$44.00	\$1,936.00
15	714	END SECT CORR STEEL 0.079IN 30IN	EA	2	\$250.00	\$500.00	\$750.00	\$1,500.00	\$387.00	\$774.00
16	714	PIPE CORR STEEL 0.138IN ARCH 71IN X 47IN	LF	360	\$120.00	\$43,200.00	\$163.00	\$58,680.00	\$191.00	\$68,760.00
17	714	END SECT CORR STEEL 0.138IN ARCH 71IN X 47IN	EA	10	\$1,500.00	\$15,000.00	\$1,360.00	\$13,600.00	\$1,441.00	\$14,410.00

TOTAL = \$130,617.00 TOTAL: \$142,984.50 TOTAL: \$153,581.50