

Ordinance No. 98966

AN ORDINANCE authorizing agreements and supplemental agreements with the State of Washington providing for construction of certain storm drain and sanitary sewer facilities by the City and State in connection with the construction of Primary State Highway No. 1, Seattle Freeway, from South Andover Street to South Hanford Street, from South Lucille Street to James Street, and from 13th Avenue South to South Andover Street, allocating costs between the respective parties, and making appropriations from the Sewer Fund, the Municipal Sewerage 1959 Construction Fund, the Seattle Sewer Bonds 1946 Fund and the City Street Fund therefor

Council Bill No. 85480

INTRODUCED: JUN 7 1965	BY: Streets & Franchise
REFERRED: JUN 7 1965	TO: Finance
REFERRED:	Streets & Franchise
REPORTED: JUN 14 1965	SECOND READING: JUN 14 1965
THIRD READING: JUN 14 1965	SIGNED: JUN 14 1965
PRESENTED TO MAYOR: JUN 15 1965	APPROVED: JUN 15 1965
RETD. TO CITY CLERK JUN 15 1965	PUBLISHED:
VETOED BY MAYOR:	VETO PUBLISHED:
PASSED OVER VETO:	VETO SUSTAINED:
ENGROSSED:	BY:
VOL. PAGE	

FILE NO. 25337

See last cover

BALANCES ABANDONED ORD 99956

253724 - Suppl #1 to GC 1724
253725 - Suppl #2 to GC 1726
253726 - Suppl #3 to GC 1726
253727 - Contract - Disposal Ac. 5, 1965, Unit #1 - Storm Drain Trunk
253728 -

M.C.

ord 96019- Approp from unnumbered balance in Seattle Sewer Bonds 1976 fund in aid of constr of Diagonal Ave Trunk Sewer.

- ORD. 96191 MAKING AN ADD'L APPROP FROM THE MUN SEWERAGE 1959 CONSTR FND FOR EXPENSES INCURRED IN CONNECTION WITH THE CONSTR OF THE DIAGONAL AVE S STORM TRUNK DRAIN AND DIAGONAL AVE S SANITARY TRUNK SEWER PROJECTS.
- ORD. 98897 RELATING TO ENG. DEPT. & MAKING AN ADD'L APPROP FROM MUNICIPAL SEWERAGE 1959 CONSTRUCTION FUND FOR THE DIAGONAL AVE. S. STORM TRUNK PROJECT IN ADD'N TO THOSE APPROP MADE PURSUANT TO ORD. 93966, 96019 & 96191, TO PROVIDE FUNDS FOR CITY'S SHARE OF IMPLEMENTING AGREEMENTS AUTH BY ORD. 93966 & 94957.

BALANCES ABANDONED ORD. 100893

- ORD. 101093 MAKING 31,798.15 APPROP FROM MUNICIPAL SEWERAGE 1959 CONSTRUCTION FND TO COMPLETE REIMBURSEMENT TO STATE OF COSTS IN CONNECTION WITH THE DIAGONAL AVE S STORM DRAIN PROJECT.

PUB
BLDG. (BC)
ENG.
B. O.
A. C.
S. E.
C. O.
LIGHT

ENK:EM
6-3-65

ORDINANCE ~~588000~~

AN ORDINANCE authorizing agreements and supplemental agreements with the State of Washington providing for construction of certain storm drain and sanitary sewer facilities by the City and State in connection with the construction of Primary State Highway No. 1, Seattle Freeway, from South Andover Street to South Hanford Street, from South Lucille Street to James Street, and from 13th Avenue South to South Andover Street, allocating costs between the respective parties, and making appropriations from the Sewer Fund, the Municipal Sewerage 1959 Construction Fund, the Seattle Sewer Bonds 1946 Fund and the City Street Fund therefor.

BE IT ORDAINED BY THE CITY OF SEATTLE AS FOLLOWS:

Section 1. The Mayor and City Comptroller are hereby authorized to execute and deliver for and on behalf of The City of Seattle agreements and supplemental agreements with the State of Washington, State Highway Commission, substantially in the form identified as GC-1724, HWY 1, 1792, Control Section with attached Exhibits "A" Specifications, "B" Estimate of Cost, and "C" Plans; "Supplemental Agreement No. 1 to Agreement No. GC-1724" with attached Exhibits "A" Specifications, "B" Estimate of Cost, and "C" Plans; GC 1726, HWY 1, 1792, Control Section, with attached Exhibits "A" Specifications, "B" Estimate of Cost, and "C" Plans; and "Supplemental Agreement No. 1 to Agreement No. GC-1726" with attached Exhibits "A" Specifications, "B" Estimate of Cost, and "C" Plans, all of which are attached to C. F. 253377, and which provide for construction of certain storm drain and sanitary sewer facilities by the City and State in connection with the construction of Primary State Highway No. 1, Seattle Freeway, from South Andover Street to South Hanford Street, from South Lucille Street to James Street, and from 13th Avenue South to South Andover Street and allocate the costs between the respective parties, all as recommended by the City Engineer in C. F. 253377.

Section 2. That the City Engineer is authorized to prepare plans and specifications for, and under the direction of the Board of Public Works proceed with the construction of the Joint-Use Diagonal Avenue South Storm Trunk lying outside the State's highway right of way, certain storm drain connections in 8th Avenue South and South Horton

Street, and the Diagonal Avenue South Sanitary Trunk, as contemplated in C. F. 253377, which construction shall be accomplished by the awarding of a contract or contracts therefor or by day labor in the discretion of the Board of Public Works.

Section 3. That for payment of the City's share of construction and related costs as set forth in the agreements authorized herein, and to provide funds for the sewer construction authorized in Section 2 hereof, the sum of One Million Thirty Thousand Dollars (\$1,030,000) or so much thereof as may be necessary is hereby appropriated from the Municipal Sewerage 1959 Construction Fund; the sum of Eight Hundred Sixty Thousand Dollars (\$860,000) or so much thereof as may be necessary is hereby appropriated from the Seattle Sewer Bonds 1946 Fund; the sum of One Million One Hundred Forty-seven Thousand Dollars (\$1,147,000) or so much thereof as may be necessary is hereby appropriated from the Sewer Fund as a betterment outlay; and the sum of Nine Hundred Twenty-four Thousand Dollars (\$924,000) or so much thereof as may be necessary is hereby appropriated from the City Street Fund; Provided that said Street Fund shall be reimbursed by the State on the basis of monthly bills, and that such reimbursement shall not exceed the total amount of \$582,000.

Section 4. That any act pursuant to the authority and prior to the effective date of this ordinance is hereby ratified and confirmed.

(To be used for all Ordinances except Emergency.)

Section 5. This ordinance shall take effect and be in force thirty days from and after its passage and approval, if approved by the Mayor; otherwise it shall take effect at the time it shall become a law under the provisions of the city charter.

Passed by the City Council the 14 day of June, 1905,
and signed by me in open session in authentication of its passage this 14 day of
June, 1905. Clarence F. Massart

President of the City Council.

Approved by me this 15 day of June, 1905. J. D. Brown
Mayor.

Filed by me this 15 day of June, 1905.

Attest: C. H. Glendon
City Comptroller and City Clerk.

(SEAL)

Published.....

By J. F. Fenton
Deputy Clerk.

CS 20.14

The City of Seattle--Legislative Department

MR. PRESIDENT:

Date Reported
and Adopted

Your Committee on Finance and Streets & Franchise

JUN 14 1965

to which was referred C.B. 85480,

authorizing agreements and supplemental agreements with the State of Washington providing for construction of certain storm drain and sanitary sewer facilities by the City and State in connection with the construction of Primary State Highway No. 1, Seattle Freeway from South Andover Street to South Hanford Street, from South Lucille Street to James Street, and from 13th Avenue South to South Andover Street, allocating costs between the respective parties, and making appropriations from the Sewer Fund, the Municipal Sewerage 1959 Construction Fund, the Seattle Sewer Bonds 1946 Fund and the City Street Fund therefor, recommend that,

Mossart THE SAME DO PASS.
P.in.
Chairman
ACTING

McNeil S&F
Chairman

Committee

Committee

hld

June 15, 1966

DIAGONAL AVENUE SOUTH, et al

93966

*Completed
1/2/67*

STORM DRAIN TRUNK - Unit No. XI	Constructors-	General Construc-	National Construc-
	Fanco	tion Company	tion Co.
Warrants on the Sewer Fund	Surety Bond 5% of Bid	Surety Bond 5% of Bid	Surety Bond 5% of Bid

ALTERNATE "A" - ITEMS 1A-61A
INCLUSIVE

1A.	144-inch Storm Drain Pipe, Type 144 AH, BH, CH and DH in Place	1,928 LF	147.00	283,416.00	391.00	734,568.00	280.00	539,840.00
2A.	144-inch Storm Drain Pipe, Type 144 CR and DR in Place	800 LF	183.00	146,400.00	475.00	380,000.00	280.00	224,000.00
3A.	132-inch Storm Drain Pipe, Type 132 BH in Place	984 LF	128.00	125,952.00	340.00	334,560.00	250.00	246,000.00
4A.	132-inch Storm Drain Pipe, Type 132 AR and BK in Place	336 LF	162.00	54,432.00	500.00	168,000.00	260.00	87,360.00
5A.	126-inch Storm Drain Pipe, Type 126 AH in Place	1,720 LF	124.00	213,280.00	300.00	516,000.00	230.00	395,600.00
6A.	126-inch Storm Drain Pipe, Type 126 AR in Place	152 LF	142.00	21,584.00	350.00	53,200.00	250.00	38,000.00
7A.	120-inch Storm Drain Pipe, Type 120 AH in Place	1,240 LF	117.00	145,080.00	270.00	334,800.00	220.00	272,800.00
8A.	120-inch Storm Drain Pipe, Type 120 AR in Place	64 LF	133.00	8,512.00	356.00	22,784.00	240.00	15,360.00
9A.	84-inch Storm Drain Pipe, Type 84 AH, in Place	400 LF	66.00	26,400.00	245.00	98,000.00	170.00	68,000.00
10A.	84-inch Storm Drain Pipe, Type 84 AR, in Place	80 LF	72.00	5,760.00	240.00	19,200.00	150.00	12,800.00
11A.	84-inch Sanitary Sewer Pipe, Type 144C (B-43)	72 LF	62.00	4,464.00	182.00	13,104.00	180.00	12,960.00

DIAGONAL AVENUE SOUTH, et al
 By STORM DRAIN TRUNK - Unit No. 11
 Ordinance No. 53966

12A.	684-inch Sanitary Sewer Pipe, Type 144 CR in Place	160 LF	62.00	10,616.00	93.00	15,624.00	160.00	26,880.00
13A.	684-inch Sanitary Sewer Pipe, Type 144 CR in Place	536 LF	21.00	11,256.00	94.00	50,384.00	160.00	85,760.00
14A.	654-inch Sanitary Sewer Pipe, Type 144 BR in Place	486 LF	31.00	15,076.00	48.00	23,808.00	90.00	66,640.00
15A.	Extra Depth of Bedding Material	300 CR	30.00	9,000.00	7.40	1,420.00	8.00	1,600.00
16A.	636-inch Sanitary Sewer Pipe, Type 144 BR, CR, in Place	664 LF	15.00	10,624.00	27.00	17,928.00	50.00	33,200.00
17A.	636-inch Sanitary Sewer Pipe, Type 144 CR, BR, 132 AR, in Place	904 LF	16.00	14,464.00	27.00	24,608.00	55.00	49,720.00
18A.	630-inch Sanitary Sewer Pipe, Type 132 BR, in Place	232 LF	11.00	2,552.00	21.00	4,872.00	50.00	11,600.00
19A.	630-inch Sanitary Sewer Pipe, Type 132 BR, in Place	934 LF	11.00	10,274.00	18.00	17,712.00	50.00	49,200.00
20A.	630-inch Sanitary Sewer Pipe, Type 04 AR, in Place	400 LF	11.00	4,400.00	16.00	7,200.00	50.00	20,000.00
21A.	630-inch Sanitary Sewer Pipe, Type 04 AR, in Place	80 LF	11.00	880.00	23.00	1,840.00	50.00	4,000.00
22A.	Pipe Support, Type 144 AR	768 LF	380.00	291,840.00	185.00	142,080.00	200.00	153,600.00
23A.	Pipe Support, Type 144 BR	496 LF	460.00	228,160.00	205.00	101,680.00	240.00	119,040.00
24A.	Pipe Support, Type 144 CR	536 LF	480.00	257,280.00	370.00	198,320.00	390.00	269,040.00
25A.	Pipe Support, Type 144 CR	168 LF	480.00	80,640.00	438.00	73,584.00	620.00	104,160.00
26A.	Pipe Support, Type 144 C (B-43), in Place	72 LF	260.00	18,720.00	96.00	6,912.00	190.00	13,680.00
27A.	Pipe Support, Type 144 BR	128 LF	400.00	51,200.00	250.00	32,000.00	380.00	48,640.00
28A.	Pipe Support, Type 144 BR	632 LF	400.00	252,800.00	300.00	189,600.00	430.00	271,760.00
29A.	Pipe Support, Type 132 AR	104 LF	360.00	37,440.00	286.00	29,744.00	360.00	37,440.00

DIAGONAL AVENUE SOUTH, et al
By STOE DRAIN TRUNK - Unit No. IX
Ordinance No. 93956

30A.	Pipe Support, Type 132 BH	984	LF	330.00	324,740.00	212.00	208,668.00	260.00	253,840.00
31A.	Pipe Support, Type 130 BR	232	LF	330.00	76,560.00	282.00	65,424.00	310.00	71,920.00
32A.	Pipe Support, Type 126 AH	1,720	LF	320.00	550,400.00	160.00	275,200.00	220.00	378,400.00
33A.	Pipe Support, Type 126 AR	152	LF	320.00	48,640.00	190.00	28,880.00	240.00	35,480.00
34A.	Pipe Support, Type 120 AH	1,240	LF	310.00	384,400.00	156.00	193,640.00	180.00	223,200.00
35A.	Pipe Support, Type 120 AR	64	LF	310.00	19,840.00	192.00	12,288.00	240.00	15,360.00
36A.	Pipe Support, Type 84 AF	400	LF	280.00	112,000.00	154.00	61,600.00	170.00	63,000.00
37A.	Pipe Support, Type 84 AR	80	LF	280.00	22,400.00	153.00	12,240.00	220.00	17,600.00
38A.	Excess Length of Un- treated Timber or Concrete Piling	9,300	LF	3.00	27,900.00	5.00	46,500.00	10.00	90,000.00
39A.	Deleted								
40A.	Furnishing and Driving Untreated Timber or Concrete Test Piles	50	EA	200.00	10,000.00	350.00	17,500.00	100.00	5,000.00
41A.	Deleted								
42A.	File Loading Test	50	EA	800.00	40,000.00	900.00	45,000.00	200.00	10,000.00
43A.	Outfall Structure No. 1 with Piling Supports		LS		34,000.00		37,000.00		45,000.00
44A.	Bend Structure No. 2 with Piling Supports		LS		12,000.00		18,000.00		20,000.00
45A.	Junction Structure No. 3 with Piling Supports		LS		15,000.00		19,400.00		22,000.00
46A.	Head Structure No. 4 with Piling Supports		LS		45,000.00		60,700.00		53,000.00
47A.	Junction Structure No. 5 with Piling Supports		LS		22,000.00		22,600.00		23,000.00
48A.	Bend Structure No. 5A with Piling Supports		LS		7,000.00		11,600.00		13,000.00
49A.	Bend Structure No. 6 with Piling Supports		LS		22,000.00		30,500.00		30,000.00
50A.	Junction Structure No. 7 with Piling Supports		LS		38,000.00		45,600.00		50,000.00
51A.	Bend Structure No. 8 with Piling Supports		LS		27,000.00		29,800.00		30,000.00
52A.	Junction Structure No. 9 with Piling Supports		LS		24,000.00		34,600.00		45,000.00

DIAGONAL AVENUE SEWER, et al
 by SEWER DRAIN TRUNK - Unit No. 13
 Ordinance No. 93566

53A.	W.M. Crossing Structure No. 11, w/Filing Supports	15	34,000.00	37,800.00	35,000.00
54A.	Bay Structure No. 12 with Filing Supports	13	15,000.00	23,700.00	24,000.00
55A.	Head Structure No. 13, with Filing Supports	13	19,000.00	19,200.00	16,000.00
56A.	Junction Structure No. 14, with Filing Supports	13	26,000.00	26,000.00	29,000.00
57A.	Head Structure No. 15, with Filing Supports	13	11,000.00	14,300.00	16,000.00
58A.	Head Structure No. 17, with Filing Supports	13	10,000.00	13,200.00	16,000.00
59A.	Head Structure No. 18, with Filing Supports	13	10,000.00	13,000.00	16,000.00
60A.	Junction Structure No. 19, with Filing Supports	13	23,000.00	32,800.00	36,000.00
61A.	M.H. Structure No. 22, with Filing Supports	13	7,000.00	11,600.00	11,000.00

ALGEBRAIC "B" - ITEMS 62B-
119B INCLUSIVE

62B.	144-inch Storm Drain Pipe, Type 144 AB, BH, CH and DR in Place	1,920	LF	167.00	293,416.00	297.00	572,616.00	260.00	462,720.00
63B.	144-inch Storm Drain Pipe, Type 144 CR and DR in Place	300	LF	133.00	140,400.00	330.00	344,000.00	250.00	200,000.00
64B.	132-inch Storm Drain Pipe, Type 132 AB in Place	984	LF	125.00	125,912.00	260.00	275,520.00	200.00	196,800.00
65B.	132-inch Storm Drain Pipe, Type 132 AB and BR, in Place	336	LF	162.00	54,432.00	366.00	122,976.00	230.00	77,280.00
66B.	126-inch Storm Drain Pipe, Type 126 AB, in Place	1,720	LF	124.00	213,280.00	387.00	493,040.00	190.00	326,800.00
67B.	126-inch Storm Drain Pipe, Type 126 AB, in Place	152	LF	147.00	21,544.00	382.00	58,064.00	210.00	31,920.00

DIAGONAL AVENUE SOUTH, et al
 By SUGRI BRAUN TITHE - Waite No. 12
 Ordinance No. 30953

68B.	120-inch Storm Drain Pipe, Type 120 AE, in Place	1,740 LF	117.00	203,080.00	158.00	273,280.00	160.00	198,400.00
69B.	120-inch Storm Drain Pipe, Type 120 AE, in Place	64 LF	193.00	12,352.00	344.00	22,016.00	100.00	12,900.00
70B.	84-inch Storm Drain Pipe, Type 84 AH, in Place	400 LF	66.00	26,400.00	254.00	81,600.00	120.00	50,000.00
71B.	84-inch Storm Drain Pipe, Type 84 AH, in Place	80 LF	73.00	5,840.00	237.00	18,960.00	140.00	11,200.00
72B.	66-inch Sanitary Sewer Pipe, Type 144 C (2-43), in Place	72 LF	62.00	4,464.00	172.00	12,384.00	130.00	9,360.00
73B.	66-inch Sanitary Sewer Pipe, Type 144 CE, in Place	168 LF	62.00	10,416.00	70.00	11,760.00	100.00	16,800.00
74B.	66-inch Sanitary Sewer Pipe, Type 144 CH, in Place	536 LF	62.00	33,232.00	72.00	38,592.00	100.00	53,600.00
75B.	66-inch Sanitary Sewer Pipe, Type 144 CH, in Place	456 LF	31.00	14,136.00	40.00	18,240.00	70.00	34,720.00
76B.	66-inch Sanitary Sewer Pipe, Type 144 BA, BE, in Place	800 LF	15.00	12,000.00	25.00	20,000.00	50.00	40,000.00
77B.	66-inch Sanitary Sewer Pipe, Type 144 BH, BE, in Place	684 LF	15.00	10,260.00	21.00	14,364.00	50.00	33,200.00
78B.	66-inch Sanitary Sewer Pipe, Type 132 AB, in Place	104 LF	15.00	1,560.00	28.00	2,912.00	30.00	5,200.00
79B.	60-inch Sanitary Sewer Pipe, Type 132 BH, in Place	232 LF	11.00	2,552.00	30.00	4,560.00	40.00	9,280.00
80B.	60-inch Sanitary Sewer Pipe, Type 132 BH, in Place	934 LF	11.00	10,274.00	17.00	16,728.00	40.00	39,360.00
81B.	60-inch Sanitary Sewer Pipe, Type 84 AH, in Place	400 LF	11.00	4,400.00	19.00	7,600.00	40.00	16,000.00
82B.	60-inch Sanitary Sewer Pipe, Type 84 AB, in Place	80 LF	11.00	880.00	22.00	1,760.00	40.00	3,200.00

DIAGONAL AVENUE SOUTH, et al
By SLOAN DRAIN TRADE - Unit No. 10
Ordinance No. 99908

83B.	Pipe Concrete Bedding, Type 144 AH	744	LF	220.00	163,680.00	62.00	46,188.00	140.00	104,160.00
84B.	Pipe Support, Type 146 AH	23	LF	180.00	4,140.00	180.00	4,140.00	180.00	3,600.00
85B.	Pipe Concrete Bedding, Type 144 BH	480	LF	230.00	110,400.00	80.00	59,600.00	160.00	79,360.00
86B.	Pipe Bedding, Type 144 CH	534	LF	270.00	144,120.00	30.00	16,080.00	40.00	21,440.00
87B.	Pipe Concrete Bedding, Type 144 CR	163	LF	290.00	47,270.00	120.00	23,184.00	235.00	39,480.00
88B.	Pipe Concrete Bedding, Type 144 G (E-43)	72	LF	130.00	9,360.00	140.00	10,080.00	100.00	7,200.00
89B.	Pipe Bedding, Type 144 H	120	LF	210.00	25,200.00	15.00	1,950.00	20.00	2,560.00
90B.	Pipe Concrete Bedding, Type 144 HZ	532	LF	250.00	133,000.00	94.00	59,400.00	165.00	104,280.00
91B.	Pipe Concrete Bedding, Type 122 AH	104	LF	210.00	21,840.00	25.00	3,640.00	160.00	16,640.00
92B.	Pipe Bedding, Type 122 BH	424	LF	175.00	74,200.00	15.00	14,760.00	22.00	21,640.00
93B.	Pipe Concrete Bedding, Type 122 BR	232	LF	210.00	48,720.00	77.00	17,864.00	160.00	37,120.00
94B.	Pipe Bedding, Type 126 AH	1,720	LF	150.00	258,000.00	7.50	12,720.00	20.00	34,400.00
95B.	Pipe Concrete Bedding, Type 126 AP	132	LF	210.00	27,720.00	55.00	8,360.00	140.00	21,280.00
96B.	Pipe Bedding, Type 120 AH	1,240	LF	140.00	173,600.00	7.00	8,680.00	140.00	173,600.00
97B.	Pipe Concrete Bedding, Type 120 AH	64	LF	200.00	12,800.00	54.00	3,451.00	140.00	8,960.00
98B.	Pipe Bedding, Type 84 AH	450	LF	130.00	58,500.00	9.00	3,600.00	20.00	8,000.00
99B.	Pipe Concrete Bedding, Type 84 AH	30	LF	160.00	4,800.00	64.00	5,120.00	140.00	11,200.00
100B.	Outfall Structure No. 1 with Filing Support				35,000.00		35,000.00		43,000.00
101B.	Head Structure No. 2, w/Bedding Support				10,000.00		16,200.00		15,000.00
102B.	Junction Structure No. 3, w/Bedding Support				14,000.00		17,700.00		20,000.00
103B.	Lowhead Structure No. 4, w/Bedding Support				35,000.00		52,000.00		46,000.00

DIAGONAL AVENUE BRIDGE, at al
 Sy STORM DRAIN TUNNEL - Unit No. 11
 Ordinance No. 23956

104B.	Junction Structure No. 5, w/Bedding Support	11		15,000.00	15,500.00		20,000.00
105B.	Band Structure No. 5A, w/Bedding Support	15		6,000.00	10,300.00		11,000.00
106B.	Band Structure No. 6, w/Bedding Support	15		18,000.00	27,200.00		28,000.00
107B.	Junction Structure No. 7, w/Bedding Support	15		22,000.00	41,200.00		40,000.00
108B.	Band Structure No. 8, w/Bedding Support	15		20,000.00	26,900.00		28,000.00
109B.	Junction Structure No. 9, w/Bedding Support	15		28,000.00	29,700.00		29,000.00
110B.	W.M. Crossing Structure No. 11, w/Bedding Support	15		18,000.00	23,500.00		25,000.00
111B.	Drop Structure No. 12, w/Bedding Support	15		14,000.00	20,700.00		22,000.00
112B.	Band Structure No. 13, w/Bedding Support	15		12,000.00	17,500.00		15,000.00
113B.	Junction Structure No. 14, w/Bedding Support	15		18,000.00	23,200.00		25,000.00
114B.	Band Structure No. 15, w/Bedding Support	15		10,000.00	12,000.00		15,000.00
115B.	Band Structure No. 17, w/Bedding Support	15		9,000.00	12,000.00		14,000.00
116B.	Band Structure No. 18, w/Bedding Support	15		9,000.00	12,500.00		14,000.00
117B.	Junction Structure No. 19, w/Bedding Support	15		21,000.00	29,500.00		28,000.00
118B.	H.H. Structure No. 22, w/Bedding Support	15		5,000.00	10,600.00		10,000.00
119B.	Extra Depth of Bedding Material	2,300	6%	3.00	10,400.00	7.40	17,020.00
						7.00	16,100.00

ITEMS 120 to 261 UNITS XVI
 GENERAL AND SPECIAL CONTRACT NO. 23956

120.	Hanford Street Register	15		97,000.00	125,000.00		114,200.00
121.	Ratio Length of Concrete Filing	70	15%	11.00	770.00	10.00	700.00
122.	Dilated					9.00	630.00
123.	Band Structure No. 3A	15		2,000.00	1,665.00		13,000.00

DEACONAL AVENUE SEWER, et al
By STATE HEATH TERRY - Waite No. 11
Ordinance No. 93566

124.	Overflow Structure No. 4A	18'		3,000.00		31,500.00		35,000.00
125.	H.E. Structure No. 4B	18'		3,000.00		4,500.00		10,000.00
126.	Overflow Structure No. 6A	18'		3,000.00		7,200.00		34,000.00
127.	Overflow Structure No. 7A	18'		3,100.00		7,200.00		21,000.00
128.	Bridge Pier Crossing Structure No. 10	18'		66,000.00		27,200.00		70,000.00
129.	Overflow Structure No. 12A	18'		6,000.00		7,200.00		25,000.00
130.	Connection to Existing Junction Structure No. 14	25'		3,000.00		1,675.00		1,500.00
131.	Split Flow Structure No. 20	21'		3,000.00		4,000.00		16,000.00
132.	Connection to Existing H.E. Structure No. 21	18'		3,000.00		650.00		300.00
133.	36-inch Storm Drain Pipe in Place	45 LF	75.00	3,375.00	192.00	9,646.00	91.00	4,095.00
134.	48-inch Storm Drain Pipe in Place	100 LF	50.00	5,000.00	42.00	4,200.00	47.00	4,700.00
135.	36-inch Storm Drain Pipe in Place	355 LF	40.00	14,200.00	29.00	10,295.00	28.00	9,940.00
136.	30-inch Storm Drain Pipe in Place	125 LF	32.00	2,776.00	25.00	2,714.00	23.00	2,714.00
137.	24-inch Storm Drain Pipe in Place	359 LF	31.00	11,129.00	17.00	6,103.00	18.50	6,641.50
138.	30-inch Rustic Iron Class 6 Storm Drain Pipe in Place	95 LF	41.00	3,935.00	43.00	4,120.00	70.00	6,720.00
139.	42-inch Temp. By-pass Combined Sewer Pipe in Place	333 LF	41.00	13,653.00	30.00	10,140.00	35.00	11,830.00
140.	36-inch Combined Sewer Pipe in Place	111 LF	50.00	5,550.00	26.00	2,898.00	24.00	2,664.00
141.	30-inch Combined Sewer Pipe in Place	104 LF	41.00	4,264.00	24.00	2,520.00	18.60	1,993.60
142.	24-inch Combined Sewer Pipe in Place	53 LF	29.00	1,527.00	19.00	1,045.00	16.00	880.00
143.	20-inch Ductile Iron Class 4 Combined Sewer Pipe in Place	30 LF	35.00	1,050.00	30.00	900.00	22.00	660.00
144.	18-inch Combined Sewer Pipe in Place	70 LF	23.00	1,610.00	14.00	980.00	14.60	1,022.00
145.	12-inch Side Sewer Combined in Place	00 LF	16.00	2,280.00	9.00	720.00	10.00	800.00
146.	12-inch Combined Sewer Pipe in Place	55 LF	18.00	990.00	9.00	693.00	3.70	478.50

DIAGONAL AVENUE SOUTH, et al
By STORM DRAIN TRENCH - Unit No. 11
Ordinance No. 95956

147.	36-inch Sanitary Sewer Pipe in Place	40	LF	74.00	2,960.00	30.00	1,200.00	45.00	1,800.00
148.	236-inch Reinforced Concrete Class V Sanitary Sewer Emergency Overflow Pipe in Place	61	LF	49.50	3,049.50	15.00	1,515.00	50.00	3,050.00
149.	30-inch Sanitary Sewer Pipe in Place	20	LF	25.00	1,370.00	12.00	240.00	12.50	460.00
150.	212-inch Sanitary Side Sewer in Place	105	LF	15.00	1,575.00	10.00	1,050.00	9.50	997.50
151.	Whaley 12-inch Sanitary Side Sewer	5	LF	24.00	120.00	4.00	20.00	10.00	50.00
152.	310-inch Cast Iron Sanitary Sewer Pipe in Place	12	LF	31.00	1,012.00	13.00	676.00	11.00	572.00
153.	28-inch Cast Iron Sanitary Sewer Pipe in Place	75	LF	22.00	1,650.00	13.00	975.00	9.50	712.50
154.	28-inch Sanitary Sewer Pipe in Place	32	LF	9.00	288.00	7.00	224.00	10.50	336.00
155.	28-inch Infiltration Test 24-inch Pipe	776	LF	1.00	776.00	2.00	1,552.00	0.30	620.80
156.	28-inch Infiltration Test 24-inch Pipe	336	LF	2.00	672.00	1.00	336.00	0.50	268.00
157.	28-inch Infiltration Test 36-inch Pipe	1,618	LF	1.00	1,618.00	1.00	1,620.00	0.40	651.60
158.	28-inch Infiltration Test 30-inch Pipe	1,729	LF	1.00	1,729.00	0.50	1,035.00	0.30	517.50
159.	28-inch Infiltration Test 10-inch	52	LF	1.00	52.00	0.30	26.00	0.20	10.60
160.	28-inch Infiltration Test 8-inch Pipe	107	LF	1.00	107.00	0.30	53.30	0.20	21.60
161.	28-inch Leakage Test 12-inch	110	LF	1.00	110.00	0.30	66.00	0.20	22.00
162.	28-inch Leakage Test 6-inch	75	LF	1.00	75.00	0.60	45.00	0.20	15.00
163.	Deleted								
164.	28-inch (6-inch) on Side Sewer	6	EA	12.00	72.00	6.00	36.00	3.00	18.00
165.	28-inch (8-inch)	3	EA	12.00	36.00	10.00	30.00	4.00	12.00
166.	28-inch Foundation Material, Type No. 5	50	CY	7.00	350.00	7.00	375.00	6.00	300.00
167.	28-inch Foundation Material, Type No. 3	50	CY	3.00	150.00	6.50	325.00	6.00	300.00

BLANCHARD AVENUE SOUTH, et al
 By STORM BRAIN TESTER - Tait No. 11
 Ordinance No. 93966

168.	*Rock Excavation	5	GE	20.00	100.00	36.00	150.00	15.00	75.00
169.	Exfiltration Test 144-inch Pipe	2,728	LF	4.00	10,912.00	2.75	7,502.00	1.00	2,728.00
170.	Exfiltration Test 132-inch Pipe	1,320	LF	4.00	5,280.00	2.50	3,300.00	1.00	1,320.00
171.	Exfiltration Test 126-inch Pipe	1,872	LF	4.00	7,488.00	2.50	4,680.00	1.00	1,872.00
172.	Exfiltration Test 120-inch Pipe	1,304	LF	4.00	5,216.00	2.25	2,934.00	1.00	1,304.00
173.	Exfiltration Test 84-inch Pipe	525	LF	1.00	525.00	1.00	540.00	0.80	420.00
174.	Exfiltration Test 68-inch Pipe	100	LF	1.00	100.00	0.90	90.00	0.50	50.00
175.	Exfiltration Test 42-inch Pipe	338	LF	1.00	338.00	0.60	270.00	0.50	169.00
176.	Exfiltration Test 36-inch Pipe	466	LF	1.00	466.00	0.70	326.20	0.40	186.00
177.	Exfiltration Test 30-inch Pipe	314	LF	1.00	314.00	0.60	180.00	0.30	94.20
178.	Exfiltration Test 24-inch Pipe	414	LF	1.00	414.00	0.50	207.00	0.20	82.80
179.	Exfiltration Test 20-inch Pipe	80	LF	1.00	80.00	0.50	40.00	0.20	16.00
180.	Exfiltration Test 18-inch Pipe	70	LF	1.00	70.00	0.50	35.00	0.20	14.00
181.	Exfiltration Test 16-inch Pipe	40	LF	1.00	40.00	0.50	20.00	0.20	8.00
182.	Exfiltration Test 15-inch Pipe	63	LF	1.00	63.00	0.50	31.50	0.20	12.60
183.	Exfiltration Test 12-inch Pipe	350	LF	1.00	350.00	0.50	175.00	0.20	70.00
184.	Leakage Test 12-inch Pipe	80	LF	1.00	80.00	0.50	40.00	0.20	16.00
185.	Leakage Test 10-inch Pipe	70	LF	1.00	70.00	0.50	35.00	0.20	14.00
186.	Exfiltration Test 8-inch Pipe	640	LF	1.00	640.00	0.15	96.00	0.20	128.00
187.	Exfiltration Test 6-inch Pipe	15	LF	1.00	15.00	1.00	15.00	0.20	3.00
188.	Tees (8-inch)	33	EA	12.00	276.00	10.00	230.00	15.00	345.00
189.	Tees (12-inch)	11	EA	12.00	132.00	20.00	220.00	25.00	275.00
190.	Tees (15-inch)	1	EA	12.00	12.00	20.00	28.00	30.00	30.00
191.	Tees (24-inch)	3	EA	24.00	72.00	50.00	150.00	50.00	150.00
192.	Tees (30-inch)	2	EA	60.00	120.00	75.00	150.00	100.00	200.00
193.	Fill Manholes	4	EA	120.00	480.00	60.00	240.00	50.00	200.00
194.	Manhole Type 130, Basic Price	2	EA	720.00	1,440.00	475.00	350.00	350.00	700.00

195.	Extra Depth Manhole, Type 130	3	EA	73.00	219.00	51.00	155.00	21.00	105.00
196.	Manhole, Type 132, Basic Price	3	EA	723.00	2,169.00	775.00	2,325.00	350.00	1,050.00
197.	Extra Depth Manhole, Type 132	31	EA	13.00	403.00	51.00	1,041.00	23.00	713.00
198.	Manhole, Type 133, Basic Price, with 24-inch Flap Gate	1	EA	1,800.00	1,800.00	1200.00	1,200.00	650.00	650.00
199.	Manhole, Type 133, Basic Price	7	EA	723.00	5,061.00	1100.00	7,200.00	460.00	3,220.00
200.	Extra Depth Manhole, Type 133	50	EA	13.00	650.00	52.00	2,600.00	45.00	2,250.00
201.	Manhole, Type 132, Basic Price, with 12- inch Flap Gate	1	EA	723.00	720.00	900.00	900.00	420.00	420.00
202.	*Manhole, Type 133, Basic Price	3	EA	723.00	2,169.00	1100.00	3,300.00	425.00	1,275.00
203.	*Extra Depth Manhole, Type 133	15	EA	13.00	195.00	52.00	780.00	44.00	660.00
204.	*Manhole, Type 130, Basic Price	1	EA	600.00	600.00	470.00	470.00	150.00	350.00
205.	*Extra Depth Manhole, Type 130	1	EA	13.00	13.00	30.00	30.00	20.00	20.00
206.	Reconnect 20-inch Class 4 Ductile Iron Force Main Pipe	50	LF	29.00	1,450.00	7.00	350.00	30.00	1,500.00
207.	Reconnect 16-inch Class 3 Ductile Iron Force Main Pipe	40	LF	25.00	1,000.00	6.75	270.00	25.00	1,000.00
208.	Reconnect 15-inch Storm Drain Pipe	64	LF	30.00	1,920.00	4.50	283.50	8.00	504.00
209.	Reconnect 12-inch Concrete Culvert Pipe	20	LF	36.00	1,008.00	4.00	112.00	7.50	210.00
210.	Reconnect 12-inch Storm Drain Pipe	160	LF	13.00	2,080.00	3.10	560.00	7.50	1,200.00
211.	Reconnect 8-inch Storm Drain	167	LF	10.00	1,670.00	2.00	334.00	6.00	1,002.00
212.	Reconnect 8-inch Cast Iron Storm Drain Pipe	33	LF	18.00	594.00	3.00	99.00	10.00	330.00
213.	*Reconnect 10-inch Side Sewer	70	LF	11.00	770.00	2.50	175.00	7.00	490.00
214.	*Reconnect 8-inch Side Sewer	50	LF	5.00	250.00	2.50	125.00	6.00	300.00
215.	*Reconnect 8-inch Cast Iron Side Sewer	25	LF	10.00	250.00	3.00	75.00	8.00	200.00

DIAGONAL AVENUE SEWER, et al
By STORM DRAIN TRUNK - Unit No. II
Ordinance No. 93966

216.	Bedding Material Aggregate Type 2, 84-inch Pipe	45 LF	19.00	855.00	18.00	810.00	18.00	810.00
217.	Bedding Material Aggregate Type 2, 48-inch Pipe	100 LF	7.20	720.00	7.20	720.00	7.20	720.00
218.	Bedding Material Aggregate Type 2, 42-inch Pipe	333 LF	7.00	2,331.00	6.00	1,998.00	6.00	2,028.00
219.	Bedding Material Aggregate Type 2, 36-inch Pipe	466 LF	6.00	2,796.00	5.00	2,336.00	4.20	1,957.20
220.	Bedding Material Aggregate Type 2, 30-inch Pipe	319 LF	3.00	957.00	2.50	797.50	3.00	957.00
221.	Bedding Material Aggregate Type 2, 24-inch Pipe	414 LF	3.00	1,242.00	2.40	993.60	2.40	993.60
222.	Bedding Material Aggregate, Type 2, 18-inch Pipe	70 LF	3.00	210.00	2.00	140.00	1.80	126.00
223.	Bedding Material Aggregate Type 2, 20-inch Pipe	80 LF	3.00	240.00	2.25	180.00	2.40	192.00
224.	Bedding Material Aggregate Type 2, 16-inch Pipe	40 LF	3.00	120.00	1.70	68.00	1.80	72.00
225.	Bedding Material Aggregate Type 2, 15-inch Pipe	63 LF	3.00	189.00	1.50	94.50	1.80	113.40
226.	Bedding Material Aggregate Type 2, 12-inch Pipe	430 LF	3.00	1,290.00	1.30	559.00	1.80	774.00
227.	Pipe Bedding, Class B, 8-inch Pipe	660 LF	2.00	1,320.00	1.20	792.00	2.00	1,320.00
228.	Pipe Bedding, Class B, 6-inch Pipe	75 LF	2.00	150.00	1.20	90.00	2.00	150.00
229.	*Concrete Bedding Material, 54-inch Pipe	40 LF	21.00	840.00	12.20	500.00	40.00	1,600.00
230.	*Bedding Material Aggregate Type 2, 36-inch Pipe	61 LF	4.00	244.00	3.00	183.00	4.20	256.20
231.	*Bedding Material Aggregate Type 2, 30-inch Pipe	24 LF	3.00	72.00	2.50	60.00	3.00	72.00
232.	*Bedding Material Aggregate, Type 2, 12-inch Pipe	110 LF	3.00	330.00	1.20	132.00	1.80	198.00

DIAGONAL AVENUE SOUTH, et al.
By STORM SEWER TRUNK - Ord. No. 11
Ordinance No. 93966

233.	4 Pipe Bedding Class B, 10-inch Pipe	120	LP	5.00	600.00	1.20	144.00	1.80	216.00
234.	4 Pipe Bedding Class B, 8-inch Pipe	182	LP	3.00	546.00	1.15	209.30	1.80	327.60
235.	Catch Basin, Type 152A	2	EA	340.00	680.00	350.00	700.00	300.00	600.00
236.	Catch Basin, Type 171B	1	EA	350.00	350.00	240.00	240.00	285.00	285.00
237.	Deleted								
238.	Remove and Relocate Exist. Catch Basin	2	EA	60.00	120.00	200.00	400.00	300.00	600.00
239.	Furnish Outlet Trap, Type 152A	1	EA	120.00	120.00	50.00	50.00	50.00	50.00
240.	Furnish Outlet Trap, Type 150B	6	EA	60.00	360.00	50.00	300.00	70.00	420.00
241.	Move Catch Basin Outlet Trap	4	EA	60.00	240.00	25.00	100.00	75.00	300.00
242.	Replace Catch Basin Outlet Trap	2	EA	60.00	120.00	65.00	130.00	100.00	200.00
243.	8-inch Catch Basin Reconnection	430	LP	7.00	2,990.00	3.25	1,390.00	5.00	2,000.00
244.	8-inch Catch Basin Connection	40	LP	3.00	120.00	3.25	130.00	5.00	200.00
245.	12-inch Catch Basin Reconnection	107	LP	10.00	1,070.00	5.75	615.25	7.00	749.00
246.	12-inch Catch Basin Connection to Block	5	LP	12.00	60.00	6.00	30.00	8.00	40.00
247.	Inlet, Type 155	1	EA	350.00	350.00	130.00	130.00	200.00	200.00
248.	6-inch Inlet Connection	13	LP	15.00	195.00	2.00	30.00	5.00	75.00
249.	Rock Riprap	3,250	TRF	6.00	19,500.00	4.50	9,040.00	15.00	33,900.00
250.	Concrete Under- pinning for Pipe	30	GR	100.00	2,900.00	62.00	840.00	40.00	800.00
251.	Remove and Replace 6-inch Side Sewer	30	LP	15.00	900.00	2.50	150.00	7.00	420.00
252.	Single Beam Guard Rail	45	LP	6.00	350.00	6.00	270.00	6.00	270.00
253.	Concrete Blocking In Place	2	GR	50.00	100.00	30.00	60.00	40.00	80.00
254.	Pipe Covering and Embedment	9,200	GR	2.00	9,200.00	0.45	4,140.00	2.00	18,400.00
255.	41-inch Water Service Pipe	250	LP	3.00	750.00	2.00	500.00	3.00	750.00
256.	Mineral Aggregate No. 8	3,300	GR	4.00	13,200.00	4.30	14,190.00	4.00	13,200.00
257.	Mineral Aggregate No. 10	3,300	GR	4.00	13,200.00	4.30	14,190.00	4.00	13,200.00
258.	Mineral Aggregate No. 11	3,300	GR	4.00	13,200.00	4.30	14,190.00	4.00	13,200.00

WINDHAM AVENUE SOUTH, et al
 By STOKES BROWN BROWN - Unit No. 11
 Ordinance No. 93965

259.	Mineral Aggregate No. 10 for Roadway	1,080	BY	4.00	4,320.00	4.50	4,860.00	4.00	4,320.00
260.	Ballast	100	TMS	3.00	3,500.00	4.15	2,905.00	5.00	3,500.00
261.	Unclassified Sand- waste, Incl. Haul for Detour Roadway	1,000	BY	1.50	1,500.00	2.00	2,000.00	3.00	3,000.00
262.	Crushed Surfacing Base Course	1,100	TMS	5.00	9,800.00	4.10	3,036.00	4.00	7,840.00
263.	Crushed Surfacing Top Course	3,250	TMS	5.00	16,250.00	4.40	14,300.00	4.00	13,000.00
264.	Dust Filling	120	TMS	6.00	720.00	10.00	1,200.00	6.00	720.00
265.	Remove and Reset Existing Fence and Construct Temp. Fence		LS		2,000.00		1,050.00		3,000.00
266.	Remove Existing Paving	20	EA	50.00	1,000.00	17.50	350.00	20.00	400.00
267.	Remove Existing Type 108 Curb	300	LF	1.00	300.00	10.00	3,000.00	1.00	300.00
268.	Remove Existing Sidewalk	60	LF	1.00	60.00	1.50	90.00	1.00	60.00
269.	Remove Existing Pavement, Class A	1,260	SF	1.50	1,890.00	2.10	2,646.00	2.50	3,150.00
270.	Remove Existing Pavement, Class B	10	SF	1.00	10.00	2.40	24.00	2.50	25.00
271.	Remove Existing Pavement, Class C	280	SF	1.00	280.00	2.30	638.00	2.50	725.00
272.	Remove Existing Pavement, Class D	5,200	SF	1.00	5,200.00	1.90	6,270.00	2.50	8,250.00
273.	Cement Concrete Class 3 (1-1/2) H.R.S. for Pavement Patch	315	CF	40.00	12,600.00	32.00	10,080.00	30.00	9,450.00
274.	Cement Concrete Class 5 (1-1/2) H.R.S. for Pavement Base Patch	60	CF	40.00	2,400.00	32.00	1,920.00	30.00	1,800.00
275.	Asphalt Concrete Pavement, Class B	345	TMS	9.00	7,905.00	10.00	8,450.00	12.00	10,140.00
276.	Asphalt Concrete, Class B, for Pavement Patch	630	TMS	12.00	8,190.00	13.20	8,316.00	20.00	12,600.00
277.	Cement Concrete Sidewalk	50	CF	5.00	300.00	4.75	285.00	5.00	300.00
278.	Cement Concrete Curb, Type 1002	230	LF	4.00	1,160.00	3.80	232.00	3.00	876.00
279.	Foundation Material, Type No. 5	100	CF	5.00	500.00	7.50	750.00	6.00	600.00
280.	Foundation Material, Type No. 3	100	CF	3.00	300.00	5.50	550.00	6.00	600.00

DIAGONAL AVENUE SEWER, et al
 By STORM SEWER TRUNK - Unit No. XI
 Ordinance No. 93966

381. Rock Excavation	3 CY	5.00	25.00	25.00	125.00	15.00	75.00
State Sales Tax as applicable to items preceded by asterisk (*)							
Alternate "A"			6,433.20		6,875.35		16,022.69
Alternate "B"			3,533.20		7,305.70		12,694.61
SUBTOTAL FOR BOND INTERESTATION							
Alternate "A"		\$4,381,438.20		\$9,498,438.00		\$5,499,642.39	
Alternate "B"		\$3,483,830.20		\$3,538,873.35		\$3,592,502.31	
MISCELLANEOUS CONSTRUCTION CHARGES (Not to be used in calculating amount of Performance Bond)							
Engineering		\$330,000.00					
Advertising		500.00					
Water Dept.		10,500.00					
Sewer Utility		1,000.00					
Traffic Division		10,000.00					
TOTAL MISC. CONSTRUCTION CHARGES		<u>372,000.00</u>		<u>372,000.00</u>		<u>372,000.00</u>	

TOTAL - Alternate "A"	\$5,373,838.20	\$9,870,438.00	\$5,871,642.39
 Alternate "B"	\$3,834,630.20	\$3,905,873.35	\$3,964,502.31

Limit of Access: Preliminary Est. \$5,373,838.20 Revised Prelim. Est. \$5,391,747.00
 Remarks: 22 bids received, the lowest being shown above. Est. Misc. Construction Chgs. \$4,325,016.00
 are included in the above totals. Ord. No. 93966 appropriates \$1,030,000 from the
 Municipal Sewerage 1956 Construction Fund; \$160,000 from the Seattle Sewer Bonds 1946 Fund;
 \$1,147,000 from the Sewer Fund; and \$924,000 from the City Street Fund, for a total of
 \$3,961,000 to construct this and other improvements.

W. W. MORSE
 City Engineer

hld

August 18, 1965
August 18, 1965

DIAGONAL AVENUE SOUTH - Unit No. 1

93966

Committed
Unit

STORM DRAIN TRUNK
Warrants on the Sewer Fund

O. R. Alia, Inc.

Murphy Brothers,
Inc.

National Construc-
tion Co.

MANUFACTURED BY
Surety Bond

MANUFACTURED BY
Surety Bond

MANUFACTURED BY
Surety Bond

1.	84-inch Pipe in Place	255	LF	90.00	22,950.00	72.00	18,360.00	75.00	19,125.00
2.	60-inch Pipe in Place	1,010	LF	45.00	45,450.00	54.50	55,045.00	40.00	40,400.00
3.	54-inch Pipe in Place	590	LF	40.00	23,600.00	36.00	21,240.00	41.00	24,190.00
4.	48-inch Pipe in Place	295	LF	40.00	11,800.00	30.00	8,850.00	44.00	12,980.00
5.	48-inch Pipe placed by Tunneling or Jacking	56	LF	200.00	11,200.00	165.00	9,240.00	150.00	8,400.00
6.	42-inch Pipe in place	75	LF	30.00	2,250.00	28.00	2,100.00	30.00	2,250.00
7.	24-inch Pipe in place	15	LF	25.00	375.00	20.00	300.00	20.00	300.00
8.	18-inch Pipe in place	195	LF	10.00	1,950.00	15.00	3,120.00	15.00	2,925.00
9.	12-inch Pipe in place	55	LF	10.00	550.00	10.00	550.00	10.00	550.00
10.	Remove and Replace 12-inch Pipe Sewer	20	LF	15.00	300.00	25.00	500.00	10.00	200.00
11.	Temporary 24-inch Corrugated Metal Pipe Connection including Flap Valve	110	LF	15.00	1,650.00	30.00	3,300.00	20.00	2,200.00
12.	*30-inch Pipe in place	290	LF	18.00	5,220.00	26.00	7,540.00	19.00	5,510.00
13.	*24-inch Pipe in place	25	LF	13.00	325.00	20.00	500.00	18.00	450.00
14.	*18-inch Pipe in place	25	LF	12.00	300.00	16.00	400.00	13.00	325.00
15.	*12-inch Pipe in place	845	LF	6.00	5,070.00	10.00	8,450.00	10.00	8,450.00
16.	*8-inch Pipe in place	165	LF	6.00	990.00	6.00	990.00	6.50	1,072.50
17.	Manhole, Type 133L, with 18-inch Flap Valve, Basic Price	1	EA	1000.00	1,000.00	1000.00	1,000.00	1100.00	1,100.00
18.	Extra Depth on Manhole, Type 133L	9	LF	30.00	270.00	25.00	225.00	40.00	360.00
19.	*Manhole, Type 133L, Basic Price	3	EA	750.00	2,250.00	600.00	1,800.00	1000.00	3,000.00
20.	*Extra Depth of Manhole, Type 133L	18	LF	25.00	450.00	25.00	450.00	35.00	630.00
21.	*Manhole, Type 130AL, Basic Price	5	EA	300.00	1,500.00	800.00	4,000.00	300.00	1,500.00
22.	*Extra Depth of Manhole, Type 130AL	19	LF	25.00	475.00	25.00	475.00	25.00	475.00

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23.	Special Manholes	5	EA	1500.00	7,500.00	2500.00	12,500.00	5000.00	25,000.00
24.	Manhole No. 1, Junction Chamber	1	EA	4000.00	4,000.00	4000.00	4,000.00	5500.00	5,500.00
25.	Fill Existing Manholes	2	EA	10.00	20.00	30.00	60.00	50.00	100.00
26.	Tee, 24-inch	1	EA	40.00	40.00	75.00	75.00	40.00	40.00
27.	Tee, 8-inch	6	EA	2.00	12.00	10.00	60.00	10.00	60.00
28.	*Tees, 24-inch	1	EA	40.00	40.00	75.00	75.00	15.00	15.00
29.	*Tees, 15-inch	1	EA	20.00	20.00	45.00	45.00	30.00	30.00
30.	*Tees, 8-inch	9	EA	2.00	18.00	10.00	90.00	5.00	45.00
31.	*8-inch Side Sewer Pipe in place	20	LF	7.00	140.00	10.00	200.00	10.00	200.00
32.	*Reconnect 8-inch Side Sewer	90	LF	7.00	630.00	10.00	900.00	8.00	720.00
33.	*Reconnect 24-inch Pipe	5	LF	40.00	200.00	25.00	125.00	10.00	50.00
34.	Reconnect 8-inch Service Drains	30	LF	7.00	210.00	10.00	300.00	8.00	240.00
35.	Remove and Replace 8-inch Side Sewer Connection	45	LF	7.00	315.00	4.50	202.50	6.00	270.00
36.	Remove Existing Inlet, Type 164	1	SA	100.00	100.00	50.00	50.00	30.00	30.00
37.	Remove Existing Catch Basin	1	EA	100.00	100.00	50.00	50.00	25.00	25.00
38.	Catch Basin, Type 152C	1	EA	275.00	275.00	280.00	280.00	290.00	290.00
39.	8-inch Catch Basin Connection	15	LF	7.00	105.00	10.00	150.00	10.00	150.00
40.	8-inch Catch Basin Reconnection	40	LF	7.00	280.00	10.00	400.00	10.00	400.00
41.	Replace Catch Basin Outlet Trap	1	EA	150.00	150.00	50.00	50.00	100.00	100.00
42.	Furnishing Outlet Trap, Type 150B	1	EA	150.00	150.00	75.00	75.00	75.00	75.00
43.	Remove and Reset Sand Box, exclusive of Pipe Connection	1	EA	150.00	150.00	200.00	200.00	100.00	100.00
44.	8-inch Sand Box Pipe Reconnection	10	LF	7.00	70.00	10.00	100.00	10.00	100.00
45.	Mineral Aggregate for Trench Backfill, Type No. 10	30	CY	5.00	150.00	3.00	90.00	3.00	90.00
46.	Mineral Aggregate for Trench Backfill, Type No. 11	30	CY	5.00	150.00	3.00	90.00	3.00	90.00
47.	Bedding Material	2,270	CY	5.00	11,350.00	4.50	10,215.00	5.00	11,350.00
48.	Pipe Bedding, Class B, for 8-inch Pipe	95	LF	0.70	66.50	0.90	85.50	1.00	95.00
49.	*Pipe Bedding, Class B, for 8-inch Pipe	110	LF	0.70	77.00	0.90	99.00	1.00	110.00

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50.	*Pipe Bedding, Class B, for 6-inch Pipe	45 LF	1.00	45.00	0.30	36.00	1.00	45.00
51.	Concrete Pipe Supports	10 CY	30.00	300.00	50.00	500.00	80.00	800.00
52.	Reinforcing Steel Bars for Pipe Support	100 LBS	0.30	30.00	0.50	50.00	0.40	40.00
53.	Exfiltration Test, 34-inch Pipe	255 LF	2.00	510.00	1.20	306.00	1.00	255.00
54.	Exfiltration Test, 60-inch Pipe	1,010 LF	0.50	505.00	1.00	1,010.00	1.00	1,010.00
55.	Exfiltration Test, 54-inch Pipe	590 LF	0.70	413.00	0.75	442.50	1.00	590.00
56.	Exfiltration Test, 48-inch Pipe	355 LF	0.70	248.50	0.75	266.25	1.00	355.00
57.	Exfiltration Test, 42-inch Pipe	75 LF	1.00	75.00	0.50	37.50	1.00	75.00
58.	Exfiltration Test, 24-inch Pipe	15 LF	1.00	15.00	0.50	7.50	1.00	15.00
59.	Exfiltration Test, 18-inch Pipe	195 LF	0.50	97.50	0.50	97.50	1.00	195.00
60.	Exfiltration Test, 12-inch Pipe	75 LF	0.50	37.50	0.25	18.75	1.00	75.00
61.	*Exfiltration Test, 30-inch Pipe	290 LF	0.70	203.00	0.30	145.00	1.00	290.00
62.	*Exfiltration Test, 24-inch Pipe	25 LF	1.00	25.00	0.50	12.50	1.00	25.00
63.	*Exfiltration Test, 18-inch Pipe	25 LF	1.00	25.00	0.25	6.25	1.00	25.00
64.	*Exfiltration Test, 12-inch Pipe	345 LF	0.25	211.25	0.25	211.25	1.00	345.00
65.	*Exfiltration Test, 8-inch Pipe	165 LF	0.50	82.50	0.25	41.25	1.00	165.00
66.	*Leakage Test, 8-inch	20 LF	1.00	20.00	0.25	5.00	1.00	20.00
67.	Foundation Material, Type No. 2	600 CY	5.00	3,000.00	4.50	2,700.00	4.50	2,700.00
68.	Foundation Material, Type No. 3	600 CY	4.00	2,400.00	4.50	2,700.00	4.00	2,400.00
69.	Rock Excavation	20 CY	10.00	200.00	10.00	200.00	1.00	20.00
70.	Mechanical Tampers	40 HRS	5.00	200.00	8.00	320.00	10.00	400.00
71.	Remove Existing Pavement, Class C	30 SY	2.00	60.00	2.00	60.00	2.00	60.00
72.	Cement Concrete, Class 5 (1-1/2) H.S. for Pavement Patch	6 CY	10.00	60.00	30.00	180.00	40.00	240.00
73.	Asphaltic Concrete, Class B, for Pavement Patch	15 TNS	20.00	300.00	22.00	330.00	20.00	300.00

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74. Crushed Surfacing Base Course	15 TNS	5.00	75.00	5.00	75.00	4.00	60.00
75. Crushed Surfacing Top Course	650 TNS	4.00	2,600.00	4.00	2,600.00	4.00	2,600.00
76. Dust Palliative	50 BBLS	6.00	300.00	7.00	350.00	6.00	300.00
77. *Bedding Material	350 CY	5.00	1,800.00	4.50	1,620.00	5.00	1,800.00
78. *Foundation Material, Type No. 2	120 CY	6.00	720.00	4.50	540.00	4.50	540.00
79. *Foundation Material, Type No. 3	120 CY	5.00	600.00	4.50	540.00	4.00	480.00
80. *Rock Excavation	10 CY	10.00	100.00	10.00	100.00	1.00	10.00
State Sales Tax as applicable to items preceded by asterisk (*)			<u>904.54</u>		<u>1,234.64</u>		<u>1,126.76</u>
SUBTOTAL FOR BOND DETERMINATION		\$182,406.29		\$195,744.89		\$199,529.26	

Seven bids received, the lowest three being shown above. See summary sheet on final contract for Estimated Construction Charges.

ROY W. MORSE