

Ordinance No. 82702

AN ORDINANCE providing for the preparation of plans and specifications for the construction of Underpasses beneath Aurora Avenue and Dexter Avenue at Broad Street and Mercer Street, together with the necessary interchanges, and appropriating money from the City Street Fund therefor.

*1/24/54 pass*

Council Bill No. 74103

INTRODUCED: JAN 25 1954	BY: <i>Street &amp; Sewer</i> Streets & Sewer
REFERRED: JAN 25 1954	TO: <i>Finance</i> Streets & Sewer
REFERRED:	
REPORTED: FEB 1 1954	VETO:
SECOND READING: FEB 1 1954	PUBLISHED:
THIRD READING: FEB 1 1954	VETO SUSTAINED:
SIGNED: FEB 1 1954	PASSED OVER VETO:
PRESENTED TO MAYOR: FEB 1 1954	APPROVED: FEB 1 1954
FILED: FEB 1 1954	PUBLISHED:
ENGROSSED: VOL. <i>12</i> PAGE <i>157</i>	BY: <i>J.C.</i>
COMPARED BY:	AND

PUB. (P.C.)  
A. A. BLDG.  
BLDG. ENCL.  
F. C. C.  
S. E. C.  
C. O. LIGHT

*138W*

ABANDONED ORD. *86187*

*0-84503- amends. Sec. 1*

*0-84962-*

*0-85786-*

BALANCES

ORDINANCE NO. 82702

AN ORDINANCE providing for the preparation of plans and specifications for the construction of Underpasses beneath Aurora Avenue and Dexter Avenue at Broad Street and Mercer Street, together with the necessary interchanges, and appropriating money from the City Street Fund therefor.

BE IT ORDAINED BY THE CITY OF SEATTLE AS FOLLOWS:

Section 1. That the Board of Public Works be, and it is hereby authorized and directed to prepare plans and specifications for the construction of Underpasses beneath Aurora Avenue and Dexter Avenue, at Broad Street and Mercer Street.

Such work shall include the interchanges or connecting roadways necessary to provide adequate connections between Aurora Avenue and Dexter Avenue and Broad and Mercer Streets.

The work contemplated by this ordinance shall include all studies, subsurface explorations, equipment, the employment of professional consultants, labor and materials as may be necessary to enable the Board of Public Works to prepare properly the plans and specifications herein described.

Section 2. That the sum of Twenty-five Thousand Dollars (\$25,000.00) be and the same is hereby appropriated from the City Street Fund, for the purpose as set forth in Section 1 hereof.

(To be used for all Ordinances except Emergency.)

Section 3. 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 1 day of February, 195 4,  
and signed by me in open session in authentication of its passage this 1 day of  
February, 195 4. *Edwin Linn*

President \_\_\_\_\_ of the City Council.  
Approved by me this 1 day of February, 195 4. *Beaumont*  
Mayor.

Filed by me this 1 day of February, 195 4.

Attest: *A. Thomas*  
City Comptroller and City Clerk.

(SEAL)

Published \_\_\_\_\_

By *M. A. Perine*  
Deputy Clerk.

THE CITY OF SEATTLE  
DEPARTMENT OF ENGINEERING

W. E. PARKER, CITY ENGINEER  
MEMBER, BOARD OF PUBLIC WORKS

IN RE:

January 20, 1954

Honorable City Council  
of the City of Seattle  
Seattle, Washington

Gentlemen:

An oral agreement has been reached with the Director of Highways relative to the priority of design and construction of the extension of Alaskan Way Viaduct and the Underpasses of Aurora Avenue and Dexter Avenue at Broad and Mercer Streets.


This agreement is now being approved in its written form by the State and will be presented to the Council for approval in a few weeks. Basically, the agreement provides that the State complete the design of the viaduct extension and the City design the Underpasses of Aurora and Dexter Avenues. The costs of the design shall be divided equally, with the City being credited for all work it has already performed on each of these projects.


Ordinance No. 81102 authorizes the preparation of plans for the extension of the viaduct and the Central Business District Ramps and appropriates \$40,000 for these two purposes.

It is necessary that we have authority and funds to commence the plans for the Underpasses immediately, so that plans will be available for the State at the start of the biennium in April of this year.

We, therefore, transmit for your approval a council bill authorizing this work and appropriating \$25,000 from the City Street Fund.

Yours very truly,

  
W. E. PARKER  
City Engineer

  
WEPS:HK  
Enc.

cc. James Robertson  
H. W. Tyler

# The City of Seattle--Legislative Department

MR. PRESIDENT:

Date Reported  
and Adopted

Your Committee on Finance & Streets & Sewers  
to which was referred C.B. 74108,

FEB 1 1954

providing for the preparation of plans and specifications for the construction of Underpasses beneath Aurora Avenue and Dexter Avenue at Broad Street and Mercer Street, together with the necessary interchanges, and appropriating money from the City Street Fund therefor.

RECOMMEND THAT THE SAME DO PASS.

*Harlow*

Fin.  
Chairman

*Matthew*

S&S  
Chairman

Committee

Committee

Seattle, Wash., September 5, 1956

TO THE BOARD OF PUBLIC WORKS:

Gentlemen:— hereby submit a tabulated report showing the amount of each bid for the improvement of

BROAD AND MERCER STREETS

under Ordinance No. 82,212 as amended, and creating Local Improvement District No.

NATURE OF IMPROVEMENT		NAME OF BIDDERS					
UNDERPASSES		Butler Construction and Engineering Company		S. L. Mullen, Inc.		Harrison-Knudsen Company, Inc.	
MODE OF PAYMENT		AMOUNT OF CERTIFIED CHECK, Surety Bond		AMOUNT OF CERTIFIED CHECK, Surety Bond		AMOUNT OF CERTIFIED CHECK, Surety Bond	
Warrants Drawn on the City Street Fund		\$ 8,000.00		\$ 12,000.00		\$ 12,000.00	
CLASSIFICATION	QUANTITIES	PRICE	COST	PRICE	COST	PRICE	COST
1. Removing buildings in property Parcel No. 1	LS		6,000.00		2,400.00		6,600.00
2. Removing buildings in property Parcel No. 2	LS		3,000.00		3,396.00		3,400.00
3. Removing buildings in property Parcel No. 4	LS		3,000.00		3,048.00		3,500.00
4. Removing buildings in property Parcel No. 6	LS		1,500.00		6,306.00		1,500.00
5. Removing buildings in property Parcel No. 7	LS		1,000.00		3,864.00		800.00
6. Removing buildings in property Parcel No. 1	LS		500.00		1,788.00		400.00
7. Removing buildings in property Parcel No. 3	LS		2,000.00		1,728.00		1,800.00
8. Removing buildings in property Parcel No. 3	LS		750.00		1,128.00		800.00
9. Removing buildings in property Parcel No. 3	LS		10.00		300.00		150.00
10. Removing buildings in property Parcel No. 38	LS		500.00		840.00		400.00
11. Removing buildings in property Parcel No. 4	LS		1,500.00		1,548.00		1,500.00
12. Removing buildings in property Parcel No. 4	LS		1,000.00		1,680.00		800.00
13. Removing buildings in property Parcel No. 4	LS		3,000.00		3,084.00		3,500.00
14. Removing buildings in property Parcel No. 4	LS		300.00		1,680.00		300.00
15. Removing buildings in property Parcel No. 47	LS		4,000.00		3,840.00		3,700.00
16. Removing buildings in property Parcel No. 58	LS		750.00		3,556.00		600.00
17. Removing buildings in property Parcel No. 59	LS		500.00		1,224.00		400.00
18. Clearing and grubbing	LS		8,000.00		7,200.00		27,800.00
19. Approach structure	LS		9,500.00		23,004.00		14,000.00
20. Siphon inlet structure	LS		8,000.00		22,645.00		10,400.00
21. Siphon outlet structure	LS		12,500.00		26,723.00		23,000.00
22. Siphon clean-out structure	LS		2,500.00		17,398.00		4,600.00
23. 66-inch, extra strength reinforced concrete culvert siphon pipe sewer	250 LF	90.	22,500.00	84.	21,000.00	118.00	29,500.00

BROAD AND MERCER STREETS  
 Underpasses  
 Ordinance No. 82702 as amended  
 and 1908  
 Page

Butler Construction  
 and  
 Engineering Company  
 S. S. Mullen,  
 Morrison Knudsen  
 Company, Inc.

CLASSIFICATION	QUANTITIES	PRICE	COST	PRICE	COST	PRICE	COST
24. 24-Inch, extra strength reinforced concrete culvert siphon pipe sewer	240 LF	30.00	7,200.00	43.00	10,320.00	57.00	13,680.00
25. Temporary sewer connections in Broad Street	LS		1,600.00		4,200.00		1,400.00
26. 48-Inch pipe sewer	870 LF	35.00	30,450.00	45.00	39,150.00	60.00	52,200.00
27. 21-Inch pipe sewer	560 LF	7.00	3,920.00	15.00	8,400.00	10.00	5,600.00
28. 8-Inch pipe sewer	190 LF	8.00	1,520.00	31.00	5,890.00	18.00	3,420.00
29. 6-Inch pipe sewer	1,860 LF	2.50	4,650.00	3.00	5,580.00	5.00	9,300.00
30. Temporary sewer connections at Mercer Street and Aurora Avenue	LS		1,000.00		3,773.00		2,500.00
31. Manholes (over 11'-0" in height)	20 Ea.	650.00	13,000.00	740.00	14,800.00	600.00	12,000.00
32. Manholes (under 11'-0" in height)	11 Ea.	450.00	4,950.00	360.00	3,960.00	450.00	4,950.00
33. Top manholes	1 Ea.	700.00	700.00	744.00	744.00	700.00	700.00
34. 30-Inch standard strength reinforced concrete culvert pipe (rubber gasket joints)	100 LF	35.00	3,500.00	57.00	5,700.00	90.00	9,000.00
35. 24-Inch standard strength reinforced concrete culvert pipe (rubber gasket joints)	1,270 LF	15.00	19,050.00	29.00	36,830.00	19.00	24,130.00
36. 18-Inch pipe sewer (rubber gasket joints)	590 LF	8.00	4,720.00	8.00	4,720.00	9.00	5,310.00
37. 12-Inch pipe sewer (rubber gasket joints)	610 LF	6.50	3,965.00	7.00	4,270.00	6.00	3,660.00
38. Catch basins	6 Ea.	170.00	1,020.00	210.00	1,260.00	260.00	1,560.00
39. Catch basins, large inlet top	23 Ea.	230.00	5,290.00	228.00	5,244.00	300.00	6,900.00
40. 6-Inch sewer pipe	7,000 LF	1.00	7,000.00	1.25	8,750.00	2.50	17,500.00
41. 20-Inch cast iron pipe, Class 150 watermain	1,110 LF	20.00	22,200.00	23.00	25,530.00	24.00	26,640.00
42. 12-Inch cast iron pipe, Class 150 watermain	360 LF	8.00	2,880.00	14.00	5,040.00	19.00	6,840.00
43. 8-Inch cast iron pipe, Class 150 watermain	120 LF	6.00	720.00	14.00	1,680.00	13.00	1,560.00
44. 6-Inch cast iron pipe, Class 150	70 LF	5.00	350.00	17.00	1,190.00	14.00	980.00
45. Special watermain castings	1,000 Lbs	0.45	450.00	1.00	1,000.00	0.75	750.00
46. Setting hydrants	2 Ea.	75.00	150.00	180.00	360.00	150.00	300.00
47. Moving hydrants	5 Ea.	30.00	150.00	150.00	750.00	150.00	750.00
48. Jackle rods	500 Lbs.	0.40	200.00	0.72	360.00	1.00	500.00
49. Valve chambers, large	3 Ea.	700.00	2,100.00	282.00	846.00	700.00	2,100.00
50. Valve chambers	8 Ea.	200.00	1,600.00	171.00	1,368.00	190.00	1,520.00
51. 6-Inch blow-off including chamber	1 Ea.	500.00	500.00	304.00	304.00	670.00	670.00
52. 4-Inch blow-off	2 Ea.	200.00	400.00	180.00	360.00	370.00	740.00
53. Concrete blocking	50 CY	50.00	2,500.00	40.00	2,000.00	30.00	1,500.00
54. Excavation general	91,500 CY	0.30	27,450.00	1.60	146,400.00	1.00	91,500.00

BROAD AND MERCER STREETS  
 Underpasses  
 Ordinance No. 82702 amended  
 on 84908  
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Butler Construction  
 and  
 Engineering Company

S. S. Mullen,  
 Inc.

Morrison-Knudson  
 Company, Inc.

CLASSIFICATION	QUANTITIES	PRICE		COST		PRICE		COST	
		UNIT	PRICE	PRICE	PRICE	PRICE	PRICE	PRICE	
55. Foundation excavation	35,500 CY		3.70	133,125.00	1.80	63,900.00	2.75	97,625.00	
56. Select backfill	33,000 CY		2.20	72,600.00	2.40	79,200.00	3.05	107,250.00	
57. Mechanical tamper	24 Days		5.00	1,320.00	60.00	1,440.00	60.00	1,440.00	
58. Removing existing asphaltic and concrete pavements	28,000 SY		.85	23,800.00	0.90	25,200.00	1.20	33,600.00	
59. Removing existing concrete sidewalks	5,400 SY		.70	4,180.00	0.90	5,760.00	0.90	2,560.00	
60. Filling abandoned catch basins and manholes	9 Ea.		12.00	1,080.00	12.00	108.00	370.00	3,330.00	
61. Sawing concrete pavement two inches deep	400 LF		.80	320.00	3.00	1,200.00	0.00	280.00	
62. Steel "H" piles 12'-7 1/2 in. L	3,200 LF		5.00	27,200.00	15.00	49,200.00	19.00	60,800.00	
63. Steel "H" piles 12'-5 1/2 in. L	2,400 LF		7.00	16,800.00	12.00	28,800.00	12.00	30,000.00	
64. Filling sixteen (16) inch diameter holes for "H" piles	2,500 LF		4.00	10,000.00	4.00	12,000.00	3.70	9,250.00	
65. Steel sheet piles in place	650,000 Lbs		1.50	97,500.00	0.00	175,500.00	0.20	119,500.00	
66. Cast-in-place reinforced concrete piles 20-inch diameter	74 Ea.		130.00	9,620.00	6.00	444.00	100.00	7,400.00	
67. Cast-in-place reinforced concrete piles 24-inch diameter	114 LF		18.00	2,052.00	12.00	1,368.00	30.00	3,420.00	
68. Concrete Class "6-A" in place	4,300 CY		55.00	236,500.00	62.00	266,600.00	80.00	344,000.00	
69. Concrete Class "6-A" in place (footing, struts and bottom water beams)	3,600 CY		55.00	198,000.00	33.00	118,800.00	33.00	118,800.00	
70. Reinforcing steel in place	1,560,000 Lbs.		.15	210,600.00	0.15	202,800.00	0.13	202,800.00	
71. Permanent lagging left in place	12,500 SF		2.00	27,500.00	2.70	33,750.00	2.50	31,250.00	
72. Barring plate assembly in place	6 Ea.		120.00	720.00	150.00	900.00	80.00	480.00	
73. Concrete liner plates in place	10,700 SF		1.50	16,050.00	3.00	32,100.00	5.00	53,500.00	
74. Aluminum bridge railing in place	3,700 LF		18.00	66,600.00	20.00	71,000.00	21.00	77,700.00	
75. Stairway hand rail	90 LF		4.00	360.00	4.00	360.00	5.00	450.00	
76. Inlets	24 Ea.		60.00	1,440.00	200.00	4,800.00	80.00	1,920.00	
77. Gully inlets	8 Ea.		40.00	320.00	80.00	640.00	60.00	480.00	
78. Moving or adjusting inlets	11 Ea.		60.00	660.00	80.00	880.00	37.00	407.00	
79. Adjusting manholes, etc covers	27 Ea.		45.00	1,215.00	60.00	1,620.00	50.00	1,350.00	
80. Rebuilding manhole, etc top	20 LF		45.00	900.00	42.00	840.00	47.00	710.00	
81. Cast concrete pavement 8-1/2 inch section	29,500 SF		4.50	132,750.00	4.25	125,375.00	5.00	147,500.00	

BROAD AND MERCER STREET  
Underpasses  
Ordinance No. 82702 as amended  
and 81908  
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Butler Construction  
and  
Engineering Company

H. S. Mullen,  
Inc.

Morrison-Knudson  
Company, Inc.

CLASSIFICATION	QUANTITIES	PRICE	COST	PRICE	COST	PRICE	COST
82.6 inch concrete base, Class 3	250 SY	6.00	1,500.00	4.30	1,075.00	3.00	750.00
83. Asphaltic concrete pavement	270 Tns	8.00	2,160.00	8.20	2,214.00	13.00	3,510.00
84. Conduit cases	10 Ea.	40.00	400.00	60.00	600.00	25.00	250.00
85. Integral cement concrete curb, Type "A"	7,000 LF	.65	4,550.00	1.00	7,000.00	1.00	7,000.00
86. Integral cement concrete curb, Type "C"	10,200 LF	.95	9,690.00	1.24	12,648.00	1.00	10,200.00
87. Cement concrete curb, Type "A"	250 LF	6.00	1,500.00	3.20	800.00	1.00	250.00
88. Special concrete curb, Type "A"	1,500 LF	.65	975.00	2.00	3,000.00	2.00	3,000.00
89. One course concrete sidewalk	7,000 SY	3.50	24,500.00	3.50	24,500.00	4.00	28,000.00
90. Extra concrete under sidewalk	40 CY	22.00	880.00	20.00	800.00	40.00	1,600.00
91. Crushed rock	3,900 Tns	4.00	15,600.00	4.00	15,600.00	4.00	15,600.00
92. Asphaltic concrete gutter	500 LF	1.00	500.00	1.80	900.00	2.50	1,250.00
93. Private driveway	70 SY	6.00	420.00	8.20	574.00	4.50	315.00
94. Concrete alley crossings	120 SY	5.50	660.00	7.50	900.00	4.50	540.00
95. Concrete alley pavement	310 SY	5.50	1,705.00	6.80	2,108.00	4.50	1,395.00
96. Beam guard rail	750 LF	4.00	3,000.00	4.80	3,600.00	4.00	3,000.00
97. Luminated terminal using Type No. 1, complete in place	4 Ea.	250.00	1,000.00	200.00	800.00	96.00	384.00
98. Steel pole with single bracket and single luminaire assembly mounting, Type 1 in place	12 Ea.	460.00	5,520.00	400.00	4,800.00	500.00	6,000.00
99. Steel pole with double bracket and double luminaire assembly mounting Type 1-A in place	15 Ea.	650.00	9,750.00	570.00	8,550.00	650.00	9,750.00
100. Steel pole with single bracket and single luminaire assembly, mounting Type 2 in place	1 Ea.	430.00	430.00	400.00	400.00	450.00	450.00
101. Steel pole with double bracket and double luminaire assembly mounting Type 3 in place	4 Ea.	820.00	3,280.00	680.00	2,720.00	800.00	3,200.00
102. Two-way fluorescent luminaire assembly in place	28 Ea.	240.00	6,720.00	340.00	9,520.00	300.00	8,400.00
103. Fuse box and feed for mercury vapor circuits	7 Ea.	85.00	595.00	50.00	350.00	53.00	371.00
104. Fuse box and feed for fluorescent luminaire circuits	5 Ea.	100.00	500.00	40.00	200.00	66.00	330.00
105. Street lighting handholes complete in place	4 Ea.	190.00	760.00	115.00	460.00	300.00	1,200.00
106. 3/4-Inch conduit in place	660 LF	.80	528.00	0.80	528.00	2.00	1,320.00
107. 1-Inch conduit in place	590 LF	1.00	590.00	1.30	767.00	2.00	1,180.00
108. 1-1/2-Inch conduit in place	210 LF	1.70	357.00	3.50	735.00	1.60	336.00
109. 1-1/2-Inch conductor neoprene covered cable in place	820 LF	1.60	1,312.00	3.70	3,034.00	1.00	820.00
110. 1/2-Inch conductor neoprene covered cable in place	3,000 LF	.14	420.00	0.09	270.00	.10	300.00

BROAD AND MERCER STREETS  
 Underpasses  
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Butler Construction  
 and  
 Engineering Company  
 S. W. Mullen,  
 Inc.  
 Morrison-Knudson  
 Company, Inc.

CLASSIFICATION	QUANTITIES	PRICE	COST	PRICE	COST	PRICE	COST
111. #8 Single conductor neoprene covered cable in place	4,500 LF	.21	1,080.00	0.19	855.00	.20	900.00
112. #6 Single conductor neoprene covered cable in place	500 LF	.30	150.00	0.27	135.00	.30	150.00
113. #6 Single conductor neoprene covered cable direct burial in place	2,400 LF	.37	888.00	0.48	1,152.00	.40	1,920.00
114. #6 Single conductor neoprene covered cable direct burial in place	5,100 LF	.42	2,142.00	0.54	2,754.00	0.50	2,550.00
Subtotal for Bond Determination			1,759,705.00		1,964,311.00		2,061,303.00
<b>DEPARTMENTAL CHARGES</b>							
(Not to be used in determining amount of Bid Bond or Performance Bond)							
Engineering	225,000.00						
Advertising	100.00						
Traffic Division	22,000.00						
Water Department	7,100.00						
Lighting Department	5,000.00						
State Sales Tax	800.00						
Total Departmental Charges			160,000.00		160,000.00		160,000.00
Notes taxable items per general specifications.							
<b>TOTALS</b>			1,919,705.00		2,124,311.00		2,221,303.00

Amount of Assess. Preliminary Roll \$1,932,944.50 Revised Preliminary Est. \$1,932,944.50

Remarks: Five bids received, lowest three shown above. Departmental charges are included in the above totals. Ordinance No. 84908 as amended appropriates \$2,000,000.00 from the City Street Fund to construct this improvement.

Approved: Assistant City Engineer W. E. PARKER, City Engineer  
 Respectfully submitted,

To THE BOARD OF PUBLIC WORKS:

Gentlemen:—I hereby submit a tabulated report showing the amount of each bid for the improvement of  
**BROAD STREET AND MERCER STREET UNDERPASSES AT AURORA AVENUE**

under Ordinance No. 82702 creating Local Improvement District No. \_\_\_\_\_

NATURE OF IMPROVEMENT		NAME OF BIDDERS					
ADDITIONAL TEST BORINGS		RAYMOND CON-					
MODE OF PAYMENT		CREDIT FILE CO.		AMOUNT OF CERTIFIED CHECK		AMOUNT OF CERTIFIED CHECK	
WARRANTS ON THE CITY STREET FUND		SURETY BOND		\$		\$	
CLASSIFICATION	QUANTITIES	PRICE	COST	PRICE	COST	PRICE	COST
1. Moving equipment to and from the job site, including setup at first hole	LS		400.00				
2. Flat price per hole for setting up, dismantling and moving	4 Holes	75.00	300.00				
3. Normal drilling or boring in earth, sampling, records, etc.	50 LF	3.50	175.00				
4. Hard drilling or boring in earth, sampling, records, etc.	60 LF	4.80	288.00				
5. Extra hard drilling or boring in earth, sampling, records, etc.	20 LF	10.00	200.00				
6. Drilling or boring in earth without sampling	20 LF	3.00	60.00				
7. Undisturbed samples, records, etc.	10 Drives	19.00	190.00				
Subtotal for Bond Determination			1,613.00				
<b>DEPARTMENTAL CHARGES</b>							
(Not to be used in determining amount of Bid Bond or Performance Bond.)							
Engineering	250.00						
Advertising	50.00						
TOTAL DEPARTMENTAL CHARGES			300.00				
TOTALS			1,913.00				

Limit of Assess. \_\_\_\_\_ Preliminary Est. ~~\$2,060.00~~ Revised Preliminary Est. \$2,060.00

Remarks: ~~one bid received.~~ Estimated departmental charges are included in the above totals. Ordinance No. 82702 appropriates \$25,000.00 from the City Street Fund to do this and other work.

Approved: \_\_\_\_\_  
*Kristant* Assistant City Engineer.  
 Respectfully submitted.  
 W. E. PARKER  
 City Engineer.