

## COUNCIL WORKSHOP ITEM

**ITEM:** Lindley – Washington Storm Sewer Improvements Project 10-99  
**DATE:** June 26, 2001  
**PREPARED BY:** D. Conley  
**PURPOSE:** To authorize execution of the contract to Trine Construction, Inc. for all work associated and in accordance with plans and specifications for Proj. 10-99, Lindley-Washington Storm Sewer Improvements.

### DISCUSSION:

This project is included in the Capital Improvement Plan and is designed to relieve flooding on Lindley north of 41<sup>st</sup> through the installation of a 24-inch diameter storm sewer from Lindley through the committed easement areas of 4113 Lindley, 4108 Washington, and 4112 Washington. The proposed 24-inch storm sewer will continue north on Washington and outfall in the existing storm sewer on the west side of Washington at 40<sup>th</sup> St.

Sealed bids for this project were received and opened at 10:00 a.m., June 20, 2001. The Public Works Dept. has reviewed all bids received and recommends award of the contract to:

Trine Construction Corporation  
1 So. 420 Shaffner Rd.  
Wheaton, IL 60187

for the total contract amount of \$153,500.00. The bid of Trine Construction is lowest of all qualified bidders and is 5.3% below the Engineer's Estimate of \$162,155.00. Other bids received were:

Vian Construction Co. of Elk Grove Village	\$158,148.00
Martam Construction Co. of Elgin	\$194,736.00
J. Congdon Sewer of Carol Stream	\$207,210.00
Swallow Construction of Downers Grove	\$215,132.00
Gerardi Sewer and Water of Norridge	\$267,436.50
Tires & Tracks Trucking of Lombard	\$281,886.61

This project is funded in the Capital Improvement Program 220-524-0000-5711. To accommodate the cost of this project, it is recommended that the Mackie-Beldon Storm Sewer Abandonment be deferred until the following year, with those designated funds devoted to Project 10-99.

### ATTACHMENT:

Attached for informational purposes is a tabulation of bid prices and comparison to the Engineer's Estimate.

**RECOMMENDATION:**

To place award of and authorize execution of the contract to Trine Construction Corporation, in the amount of \$153,500.00 plus a 5% contingency in the amount of \$7,655.00 on the July 17, 2001 Consent Agenda.



A		B					C	D	E	F	G	H	I	J
VILLAGE OF DOWNERS GROVE DEPARTMENT OF PUBLIC WORKS LINDLEY - WASHINGTON STORM SEWER IMPROVEMENTS PROJECT 10-99 SUMMARY OF QUANTITIES		PAY ITEM					DATE	UNIT	BID PRICE	ENGINEER'S ESTIMATE	UNIT PRICE	TOTAL ITEM COST	UNIT PRICE	TOTAL ITEM COST
ITEM NO.						BID QTY		UNIT PRICE	TOTAL ITEM COST	UNIT PRICE	TOTAL ITEM COST	UNIT PRICE	TOTAL ITEM COST	
1	CONSTRUCTION STAKING AND RECORD DRAWING					1	L SUM	500.00	500.00	2,800.00	2,800.00	3,000.00	3,000.00	
2	TRAFFIC CONTROL					1	LSUM	1,000.00	1,000.00	1,800.00	1,800.00	1,200.00	1,200.00	
3	TREE ROOT PRUNING					25	LIN FT	15.00	375.00	6.00	150.00	4.80	120.00	
4	TREE REMOVAL (6 TO 15 INCH DIAMETER)					6	IN-DIA	15.00	90.00	30.00	180.00	14.40	86.40	
5	TREE REMOVAL (OVER 15 INCH DIAMETER)					77	IN-DIA	15.00	1,155.00	41.00	3,157.00	16.80	1,293.60	
6	EXPLORATORY EXCAVATION					25	CU YD	30.00	750.00	20.00	500.00	26.62	665.50	
7	CALCIUM CHLORIDE - APPLIED					5	TON	50.00	250.00	825.00	4,125.00	55.00	275.00	
8	SELECTED GRANULAR BACKFILL					1,500	CU YD	25.00	37,500.00	16.50	24,750.00	19.34	29,010.00	
9	TEMPORARY SURFACE - AGGREGATE (CA-6) - 8"					880	SQ YD	6.00	5,280.00	6.00	5,280.00	6.66	5,860.80	
10	TEMPORARY SURFACE - BITUMINOUS - (4"/4")					50	SQ YD	15.00	750.00	14.00	700.00	11.22	561.00	
11	BITUMINOUS SURFACE COURSE - 2"					880	SQ YD	15.00	13,200.00	11.00	9,680.00	9.30	8,184.00	
12	BITUMINOUS BASE COURSE - 7"					880	SQ YD	25.00	22,000.00	23.00	20,240.00	27.36	24,076.80	
13	BIT. DRIVEWAY REM. & REPL. - 2"					126	SQ YD	15.00	1,890.00	18.00	2,268.00	30.00	3,780.00	
14	P.C.C. DRIVEWAY REM. & REPL. - 5"					150	SQ FT	6.00	900.00	15.00	2,250.00	4.66	699.00	
15	P.C.C. SIDEWALK REM. & REPL. - 5"					75	SQ FT	6.00	450.00	6.00	450.00	4.66	349.50	
16	PARKWAY RESTORATION, HYDROSEED					2,388	SQ YD	5.00	11,940.00	2.75	6,567.00	2.46	5,874.48	
17	STORM SEWER, 24" DIA., IN RIGHT-OF-WAY / STRB TYPE:					450	LIN FT	35.00	15,750.00	44.00	19,800.00	36.70	16,515.00	
18	STORM SEWER, 18" DIA., TYPE:					70	LIN FT	30.00	2,100.00	44.00	3,080.00	32.98	2,308.60	
19	STORM SEWER, 12" DIA., TYPE:					268	LIN FT	25.00	6,700.00	42.00	11,256.00	33.84	9,069.12	



A	B	C	D	E	F	K	L
1	VILLAGE OF DOWNERS GROVE	DATE	UNIT	UNIT PRICE	ENGINEER'S ESTIMATE	UNIT PRICE	MARTAM CONST ELGIN
2	DEPARTMENT OF PUBLIC WORKS						
3	LINDLEY - WASHINGTON STORM SEWER IMPROVEMENTS						
4							
5	PROJECT 10-99						
6	SUMMARY OF QUANTITIES						
7							
8		BID QTY			TOTAL ITEM COST		TOTAL ITEM COST
9	PAY ITEM						
10	ITEM NO.						
11							
12	1	1	L SUM	500.00	500.00	3,000.00	3,000.00
13							
14	2	1	LSUM	1,000.00	1,000.00	10,000.00	10,000.00
15							
16	3	25	LIN FT	15.00	375.00	15.00	375.00
17							
18	4	6	IN-DIA	15.00	90.00	25.00	150.00
19							
20	5	77	IN-DIA	15.00	1,155.00	40.00	3,080.00
21							
22	6	25	CU YD	30.00	750.00	30.00	750.00
23							
24	7	5	TON	50.00	250.00	1.00	5.00
25							
26	8	1,500	CU YD	25.00	37,500.00	30.00	45,000.00
27							
28	9	880	SQ YD	6.00	5,280.00	7.00	6,160.00
29							
30	10	50	SQ YD	15.00	750.00	15.00	750.00
31							
32	11	880	SQ YD	15.00	13,200.00	10.00	8,800.00
33							
34	12	880	SQ YD	25.00	22,000.00	24.00	21,120.00
35							
36	13	126	SQ YD	15.00	1,890.00	39.00	4,914.00
37							
38	14	150	SQ FT	6.00	900.00	6.00	900.00
39							
40	15	75	SQ FT	6.00	450.00	7.00	525.00
41							
42	16	2,388	SQ YD	5.00	11,940.00	2.00	4,776.00
43							
44	17	450	LIN FT	35.00	15,750.00	50.00	22,500.00
45							
46							
47	18	70	LIN FT	30.00	2,100.00	45.00	3,150.00
48							
49							
50	19	268	LIN FT	25.00	6,700.00	37.00	9,916.00
51							

A	B	C	D	E	F	K	L	
1	VILLAGE OF DOWNERS GROVE	DATE		BID PRICE	ENGINEER'S ESTIMATE		MARTAM CONST ELGIN	
2	DEPARTMENT OF PUBLIC WORKS							
3	LINDLEY - WASHINGTON STORM SEWER IMPROVEMENTS							
4								
5	PROJECT 10-99							
6	SUMMARY OF QUANTITIES							
7								
8		BID QTY	UNIT	UNIT PRICE	TOTAL ITEM COST	UNIT PRICE	TOTAL ITEM COST	
9	ITEM NO.							
10	PAY ITEM							
11								
52								
53	STORM SEWER, 24" DIA., IN EASEMENT (BACKYARD TYPE:	420	LIN FT	35.00	14,700.00	60.00	25,200.00	
54								
55								
56	STORM SEWER PIPE, PVC, 4" TYPE:	25	LIN FT	15.00	375.00	25.00	625.00	
57								
58								
59	SANITARY SERVICE RECONNECTION	1	EACH	500.00	500.00	800.00	800.00	
60								
61	PRECAST CONCRETE INLETS, 3' DIA., TYPE A, WITH TYPE 8 GRATE	4	EACH	1,000.00	4,000.00	1,100.00	4,400.00	
62								
63	PRECAST CONCRETE MANHOLES, 4' DIA. WITH TYPE 8 GRATE	4	EACH	2,000.00	8,000.00	1,560.00	6,240.00	
64								
65	PRECAST CONCRETE MANHOLES, 5' DIA. WITH TYPE 1 FRAME AND CLOSED LID	3	EACH	2,500.00	7,500.00	2,000.00	6,000.00	
66								
67	PRECAST CONCRETE MANHOLES, 6' DIA. WITH TYPE 1 FRAME AND CLOSED LID	1	EACH	3,000.00	3,000.00	4,000.00	4,000.00	
68								
69	WATER SERVICE REPLACEMENT, 1"	1	EACH	1,500.00	1,500.00	1,600.00	1,600.00	
70								
71								
72								
73								
74	TOTAL FOR BASE BID:					162,155.00		194,736.00
75								ERROR IN TOTAL
76								WAS 194336.00
77								
78								
79								
80								
81								
82								
83								
84								RCCP/PVC

A		B					C	D	E	F	M	N	O	P
1	2	VILLAGE OF DOWNERS GROVE DEPARTMENT OF PUBLIC WORKS LINDLEY - WASHINGTON STORM SEWER IMPROVEMENTS					DATE		BID PRICE	ENGINEER'S ESTIMATE		J. CONGDON SEWER & WATER CAROL STREAM		SWALLOW CONSTRUCTION DOWNERS GROVE
3	4	PROJECT 10-99 SUMMARY OF QUANTITIES												
8	9	10	11	12	13	14	15	16	17	18	19	20	21	
ITEM NO.	PAY ITEM	BID QTY	UNIT	UNIT PRICE	TOTAL ITEM COST	UNIT PRICE	TOTAL ITEM COST	UNIT PRICE	TOTAL ITEM COST	UNIT PRICE	TOTAL ITEM COST	UNIT PRICE	TOTAL ITEM COST	
1	CONSTRUCTION STAKING AND RECORD DRAWING	1	L SUM	500.00	500.00	500.00	500.00	2,500.00	2,500.00	2,500.00	2,500.00	10,000.00	10,000.00	
2	TRAFFIC CONTROL	1	L SUM	1,000.00	1,000.00	1,000.00	1,000.00	1,500.00	1,500.00	1,500.00	1,500.00	12,000.00	12,000.00	
3	TREE ROOT PRUNING	25	LIN FT	15.00	375.00	15.00	375.00	20.00	500.00	20.00	500.00	40.00	1,000.00	
4	TREE REMOVAL (6 TO 15 INCH DIAMETER)	6	IN-DIA	15.00	90.00	15.00	90.00	40.00	240.00	40.00	240.00	20.00	120.00	
5	TREE REMOVAL (OVER 15 INCH DIAMETER)	77	IN-DIA	15.00	1,155.00	15.00	1,155.00	70.00	5,390.00	70.00	5,390.00	22.00	1,694.00	
6	EXPLORATORY EXCAVATION	25	CU YD	30.00	750.00	30.00	750.00	15.00	375.00	15.00	375.00	18.00	450.00	
7	CALCIUM CHLORIDE - APPLIED	5	TON	50.00	250.00	50.00	250.00	100.00	500.00	100.00	500.00	50.00	250.00	
8	SELECTED GRANULAR BACKFILL	1,500	CU YD	25.00	37,500.00	25.00	37,500.00	28.00	42,000.00	28.00	42,000.00	26.00	39,000.00	
9	TEMPORARY SURFACE - AGGREGATE (CA-6) - 8"	880	SQ YD	6.00	5,280.00	6.00	5,280.00	20.00	17,600.00	20.00	17,600.00	9.00	7,920.00	
10	TEMPORARY SURFACE - BITUMINOUS - (4"/4")	50	SQ YD	15.00	750.00	15.00	750.00	20.00	1,000.00	20.00	1,000.00	32.00	1,600.00	
11	BITUMINOUS SURFACE COURSE - 2"	880	SQ YD	15.00	13,200.00	15.00	13,200.00	25.00	22,000.00	25.00	22,000.00	12.00	10,560.00	
12	BITUMINOUS BASE COURSE - 7"	880	SQ YD	25.00	22,000.00	25.00	22,000.00	35.00	30,800.00	35.00	30,800.00	22.00	19,360.00	
13	BIT. DRIVEWAY REM. & REPL. - 2"	126	SQ YD	15.00	1,890.00	15.00	1,890.00	25.00	3,150.00	25.00	3,150.00	22.00	2,772.00	
14	P.C.C. DRIVEWAY REM. & REPL. - 5"	150	SQ FT	6.00	900.00	6.00	900.00	10.00	1,500.00	10.00	1,500.00	8.00	1,200.00	
15	P.C.C. SIDEWALK REM. & REPL. - 5"	75	SQ FT	6.00	450.00	6.00	450.00	10.00	750.00	10.00	750.00	8.00	600.00	
16	PARKWAY RESTORATION, HYDROSEED	2,388	SQ YD	5.00	11,940.00	5.00	11,940.00	3.00	7,164.00	3.00	7,164.00	6.00	14,328.00	
17	STORM SEWER, 24" DIA., IN RIGHT-OF-WAY / STREET TYPE:	450	LIN FT	35.00	15,750.00	35.00	15,750.00	38.00	17,100.00	38.00	17,100.00	48.00	21,600.00	
18	STORM SEWER, 18" DIA., TYPE:	70	LIN FT	30.00	2,100.00	30.00	2,100.00	45.00	3,150.00	45.00	3,150.00	39.00	2,730.00	
19	STORM SEWER, 12" DIA., TYPE:	268	LIN FT	25.00	6,700.00	25.00	6,700.00	37.00	9,916.00	37.00	9,916.00	36.00	9,648.00	

A	B	C	D	E	F	M	N	O	P	
1	VILLAGE OF DOWNERS GROVE									
2	DEPARTMENT OF PUBLIC WORKS									
3	LINDLEY - WASHINGTON STORM SEWER IMPROVEMENTS									
4										
5	PROJECT 10-99									
6										
7	SUMMARY OF QUANTITIES									
8	ITEM NO.	PAY ITEM	BID QTY	UNIT PRICE	TOTAL ITEM COST	UNIT PRICE	TOTAL ITEM COST	UNIT PRICE	TOTAL ITEM COST	
20	20	STORM SEWER, 24" DIA., IN EASEMENT (BACKYARD TYPE):	420	35.00	14,700.00	55.00	23,100.00	75.00	31,500.00	
21	21	STORM SEWER PIPE, PVC, 4" TYPE:	25	15.00	375.00	15.00	375.00	28.00	700.00	
22	22	SANITARY SERVICE RECONNECTION	1	500.00	500.00	1,000.00	1,000.00	250.00	250.00	
23	23	PRECAST CONCRETE INLETS, 3' DIA., TYPE A, WITH TYPE 8 GRATE	4	1,000.00	4,000.00	1,000.00	4,000.00	1,500.00	6,000.00	
24	24	PRECAST CONCRETE MANHOLES, 4' DIA. WITH TYPE 8 GRATE	4	2,000.00	8,000.00	1,000.00	4,000.00	1,850.00	7,400.00	
25	25	PRECAST CONCRETE MANHOLES, 5' DIA. WITH TYPE 1 FRAME AND CLOSED LID	3	2,500.00	7,500.00	1,200.00	3,600.00	2,500.00	7,500.00	
26	26	PRECAST CONCRETE MANHOLES, 6' DIA. WITH TYPE 1 FRAME AND CLOSED LID	1	3,000.00	3,000.00	3,000.00	3,000.00	3,950.00	3,950.00	
27	27	WATER SERVICE REPLACEMENT, 1"	1	1,500.00	1,500.00	1,000.00	1,000.00	1,000.00	1,000.00	
74	<b>TOTAL FOR BASE BID:</b>					<b>162,155.00</b>		<b>207,210.00</b>		<b>215,132.00</b>
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A	B	C	D	E	F	Q	R	S	T	
1	VILLAGE OF DOWNERS GROVE									
2	DEPARTMENT OF PUBLIC WORKS									
3	LINDLEY - WASHINGTON STORM SEWER IMPROVEMENTS									
4										
5	PROJECT 10-99									
6										
7	SUMMARY OF QUANTITIES									
8										
9	PAY ITEM	BID QTY	UNIT	UNIT PRICE	TOTAL ITEM COST	UNIT PRICE	TOTAL ITEM COST	UNIT PRICE	TOTAL ITEM COST	
10										
11										
52										
53	STORM SEWER, 24" DIA., IN EASEMENT (BACKYARD TYPE):	420	LIN FT	35.00	14,700.00	134.00	56,280.00	230.00	96,600.00	
54										
55										
56	STORM SEWER PIPE, PVC, 4" TYPE:	25	LIN FT	15.00	375.00	38.00	950.00	50.00	1,250.00	
57										
58										
59	SANITARY SERVICE RECONNECTION	1	EACH	500.00	500.00	150.00	150.00	700.00	700.00	
60										
61	PRECAST CONCRETE INLETS, 3' DIA., TYPE A, WITH TYPE 8 GRATE	4	EACH	1,000.00	4,000.00	1,000.00	4,000.00	2,320.00	9,280.00	
62										
63	PRECAST CONCRETE MANHOLES, 4' DIA. WITH TYPE 8 GRATE	4	EACH	2,000.00	8,000.00	1,500.00	6,000.00	4,400.00	17,600.00	
64										
65	PRECAST CONCRETE MANHOLES, 5' DIA. WITH TYPE 1 FRAME AND CLOSED LID	3	EACH	2,500.00	7,500.00	2,000.00	6,000.00	5,500.00	16,500.00	
66										
67	PRECAST CONCRETE MANHOLES, 6' DIA. WITH TYPE 1 FRAME AND CLOSED LID	1	EACH	3,000.00	3,000.00	3,000.00	3,000.00	5,600.00	5,600.00	
68										
69	WATER SERVICE REPLACEMENT, 1"	1	EACH	1,500.00	1,500.00	675.00	675.00	1,500.00	1,500.00	
70										
71										
72										
73										
74	TOTAL FOR BASE BID:					162,155.00		267,436.50		281,886.61
75										
76										
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84										

267,436.50  
ERROR IN TOTAL  
WAS 264736.00

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