



CITY of NOVI CITY COUNCIL

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Agenda Item H
February 12, 2007

SUBJECT: Approval of the final balancing change order and final payment to Six-S, Inc. for the Nine Mile Road (between Novi and Meadowbrook Roads) Reconstruction project in the amount of \$54,997.32.

SUBMITTING DEPARTMENT: Engineering RH

CITY MANAGER APPROVAL: [Signature]

Table with 2 columns: Category (EXPENDITURE REQUIRED, AMOUNT BUDGETED, APPROPRIATION REQUIRED, LINE ITEM NUMBER) and Value (N/A).

BACKGROUND INFORMATION:

The City's consulting engineer for this project (Fishbeck, Thompson, Carr & Huber) administered the construction contract for reconstructing the mile-long segment of Nine Mile Road, including Roethel Drive, in 2006. Fishbeck has executed and submitted the attached documents verifying the final contract payment amount that is due to the construction contractor, Six-S, Inc. of Waterford, MI (Fishbeck's Final Pay Estimate No. 9 and Balancing Change Order, attached).

The asphalt reconstruction work performed by the contractor has been in substantial compliance with the plans and specifications, and final payment in the amount of \$54,997.32 is appropriate. In addition, the City Attorney has reviewed supporting documentation and found it to be in an acceptable form. The original contract was approved at the August 1, 2005 City Council meeting in the amount of \$1,597,108.33. The final payment brings the total in construction expenditures on this project to \$1,508,634.93, for a savings of \$88,473.40.

RECOMMENDED ACTION: Approval of the final balancing change order and final payment to Six-S, Inc. for the Nine Mile Road (between Novi and Meadowbrook Roads) Reconstruction project in the amount of \$54,997.32.

Table for Mayor and Council Member votes with columns 1, 2, Y, N.

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Client: City of Novi
 Project: Nine Mile Road Reconstruction
 Contractor: Six-S, Inc.

Pay Estimate No.: 9
 Period: 4/21/06-10/27/06
 Progress or Final: Final payment

Item No.	Item Description	Unit	Authorized Quantity	Unit Price	Quantity This Estimate	Amount This Estimate	Quantity Previously Paid	Quantity Paid to Date	Total Amount Earned to Date
1	Mobilization, \$80,000 Maximum	LS	1	\$ 80,000.00		\$ -	1.00	1.00	\$ 80,000.00
2	Pavt, Rem	SYD	19,675	\$ 3.50		\$ -	19,675.00	19,675.00	\$ 68,862.50
3	Cold Milling Bituminous Surface	SYD	10,346.8	\$ 1.95		\$ -	10,346.80	10,346.80	\$ 20,176.26
4	Sidewalk, Rem	SFT	6,738.8	\$ 0.37		\$ -	6,738.80	6,738.80	\$ 2,493.36
5	Curb and Gutter, Rem	FT	1,700	\$ 3.71		\$ -	1,700.00	1,700.00	\$ 6,307.00
6	Tree, Rem, 6-inch to 18-inch	EA	26	\$ 250.00		\$ -	26.00	26.00	\$ 6,500.00
7	Tree Protection	EA	6	\$ 167.07		\$ -	6.00	6.00	\$ 1,002.42
8	Sewer, Rem, Less than 24-inch	FT	1,598	\$ 17.07		\$ -	1,598.00	1,598.00	\$ 27,277.86
9	Sewer, Rem, 24-inch to 48-inch	FT	270	\$ 22.33		\$ -	270.00	270.00	\$ 6,029.10
10	Culv, Rem, Less than 24-inch	EA	1	\$ 295.50		\$ -	1.00	1.00	\$ 295.50
11	Culv, Rem, 24-inch to 48-inch	EA	1	\$ 295.50		\$ -	1.00	1.00	\$ 295.50
12	Culv, Rem, Over 48-inch	EA	2	\$ 1,775.00		\$ -	2.00	2.00	\$ 3,550.00
13	Culv End, Rem, Less than 24-inch	EA	4	\$ 180.85		\$ -	4.00	4.00	\$ 723.40
14	Culv End, Rem, 24-inch to 48-inch	EA	1	\$ 180.40		\$ -	1.00	1.00	\$ 180.40
15	Dr Structure, Rem	EA	11	\$ 362.32		\$ -	11.00	11.00	\$ 3,985.52
16	Sign, Type II, Rem	EA	5	\$ 25.00		\$ -	5.00	5.00	\$ 125.00
17	Sign, Type II, Erect, Salv	EA	5	\$ 45.00		\$ -	5.00	5.00	\$ 225.00
18	Sign, Type III, Rem	EA	27	\$ 25.00		\$ -	27.00	27.00	\$ 675.00
19	Sign, Type III, Erect, Salv	EA	27	\$ 45.00		\$ -	27.00	27.00	\$ 1,215.00
20	Post, Wood, 3-1/2 by 3-1/2, Salv	EA	2	\$ 300.00		\$ -	2.00	2.00	\$ 600.00
21	Post, Steel, 3 lb	FT	414	\$ 5.15		\$ -	414.00	414.00	\$ 2,132.10
22	Sign, Type IIIB	SFT	18.75	\$ 16.75		\$ -	18.75	18.75	\$ 314.06
23	Sewer, CI C, 12-inch, Tr Det	FT	1,515	\$ 25.54	(25.00)	(638.50)	1,515.00	1,490.00	\$ 38,054.60
24	Sewer, CI C, 15-inch, Tr Det	FT	50	\$ 34.25		\$ -	50.00	50.00	\$ 1,712.50
25	Sewer, CI C, 18-inch, Tr Det	FT	325	\$ 38.46		\$ -	325.00	325.00	\$ 12,499.50
26	Sewer, CI C, 24-inch, Tr Det	FT	655	\$ 59.56		\$ -	655.00	655.00	\$ 39,011.80
27	Culv, Precast Conc Box, 5 foot by 3 foot	FT	80	\$ 351.90		\$ -	80.00	80.00	\$ 28,152.00
28	Dr Structure, Catch Basin, 48-inch dia	EA	24	\$ 911.48		\$ -	24.00	24.00	\$ 21,875.52
29	Dr Structure, Storm Manhole, 48-inch dia	EA	5	\$ 915.00		\$ -	5.00	5.00	\$ 4,575.00
30	Culv End Section, Conc, 12-inch	EA	4	\$ 583.92		\$ -	4.00	4.00	\$ 2,335.68
31	Culv End Section, Conc, 15-inch	EA	1	\$ 649.18		\$ -	1.00	1.00	\$ 649.18
32	Culv End Section, Conc, 18-inch	EA	1	\$ 704.51		\$ -	1.00	1.00	\$ 704.51
33	Dr Structure, Tap, 12-inch	EA	8	\$ 452.12		\$ -	8.00	8.00	\$ 3,616.96
34	Dr Structure, Tap, 18-inch	EA	2	\$ 452.12		\$ -	2.00	2.00	\$ 904.24
35	Underdrain, Subbase, 4-inch	FT	6,251	\$ 6.00		\$ -	6,251.00	6,251.00	\$ 37,506.00
36	Riprap, Plain	SYD	34.6	\$ 52.43		\$ -	34.60	34.60	\$ 1,814.08
37	Soil Erosion and Sedimentation Control Measures	LS	1	\$ 10,754.92		\$ -	1.00	1.00	\$ 10,754.92
38	Grading	LS	1	\$ 15,256.21		\$ -	1.00	1.00	\$ 15,256.21
39	Subgrade Undercutting, Type II	CYD	81.5	\$ 10.00		\$ -	81.50	81.50	\$ 815.00
40	Excavation, Earth	CYD	13,500	\$ 7.52		\$ -	13,500.00	13,500.00	\$ 101,520.00
41	Dr Structure Cover, Adj	EA	30	\$ 588.46		\$ -	30.00	30.00	\$ 17,653.80
42	Dr Structure Cover	LBS	13,362	\$ 0.82		\$ -	13,362.00	13,362.00	\$ 10,956.84

43	Subbase, CIP	CYD	5,391.9	\$ 15.01	\$ -	5,391.90	5,391.90	\$ 80,932.42	
44	Aggregate Base, 22A, 8-inch depth	SYD	21,928.2	\$ 6.50	\$ -	21,928.20	21,928.20	\$ 142,533.30	
45	Maintenance Gravel, LM	CYD	1,964.5	\$ 7.50	\$ -	1,964.50	1,964.50	\$ 14,733.75	
46	Hot Mix Asphalt, 3C	TON	6,924.68	\$ 36.50	\$ -	6,924.68	6,924.68	\$ 252,750.82	
47	Hot Mix Asphalt, 4C	TON	2,821.46	\$ 54.40	\$ -	2,821.46	2,821.46	\$ 153,487.42	
48	Curb and Gutter, Conc	FT	8,037	\$ 10.20	\$ -	8,037.00	8,037.00	\$ 81,977.40	
49	Spillway, Conc	FT	24.5	\$ 20.00	\$ -	24.50	24.50	\$ 490.00	
50	Sidewalk, Conc	SFT	6,986.9	\$ 2.50	\$ -	6,986.90	6,986.90	\$ 17,467.25	
51	Traffic Control	LS	1	\$ 51,380.00	\$ -	1.00	1.00	\$ 51,380.00	
52	Pavement Markings	LS	1	\$ 6,040.00	\$ -	1.00	1.00	\$ 6,040.00	
53	Guardrail, Rem	FT	462.5	\$ 1.85	\$ -	462.50	462.50	\$ 855.63	
54	Guardrail, Type B	FT	200	\$ 18.00	\$ -	200.00	200.00	\$ 3,600.00	
55	Guardrail Departing Terminal, Type B	EA	2	\$ 850.00	\$ -	2.00	2.00	\$ 1,700.00	
56	Guardrail Approach Terminal, Type 2B	EA	2	\$ 2,850.00	\$ -	2.00	2.00	\$ 5,700.00	
57	Restoration	SYD	14,650	\$ 2.91	448.40	\$ 1,304.84	11,620.60	12,069.00	\$ 35,120.79
58	Concrete Storm Water Junction Vault	LS	1	\$ 12,650.00	\$ -	1.00	1.00	\$ 12,650.00	
59	Ditching	FT	300	\$ 4.32	\$ -	300.00	300.00	\$ 1,296.00	
60	Irrigation System Repairs Allowance	DLR	5,000	\$ 1.00	17,949.52	\$ 17,949.52	5,000.00	22,949.52	\$ 22,949.52
61	Railroad Safety Allowance	DLR	7,111.76	\$ 1.00	\$ -	7,111.76	7,111.76	\$ 7,111.76	
62	Drainage Structure, Storm Manhole, 24-inch dia	EA	4	\$ 840.00	\$ -	4.00	4.00	\$ 3,360.00	
63	Temporary Access Paving	TON	20	\$ 125.00	\$ -	20.00	20.00	\$ 2,500.00	
64	Driveway Opening, Conc, Det M	FT	298	\$ 19.00	\$ -	298.00	298.00	\$ 5,662.00	
65	HMA Approach	TON	139	\$ 56.00	\$ -	138.60	138.60	\$ 7,761.60	
66	Guardrail, Backed, Det G1	FT	63	\$ 25.00	41.50	\$ 1,037.50	62.50	104.00	\$ 2,600.00
67	Exploratory Trenching	HR	5	\$ 200.00	\$ -	4.50	4.50	\$ 900.00	
68	Sewer Bulkhead, 12-inch	EA	6	\$ 250.00	\$ -	6.00	6.00	\$ 1,500.00	
69	Culv, Precast Conc Box, 5 foot by 3 foot - Material Only	FT	8	\$ 275.00	\$ -	8.00	8.00	\$ 2,200.00	
70	Guardrail Reflector	EA	14	\$ 7.00	\$ -	14.00	14.00	\$ 98.00	
71	Pavt Mrkg, Railroad Sym	EA	1	\$ 600.00	\$ -	1.00	1.00	\$ 600.00	
72	Restoration, Seed Only	SYD	1,161	\$ 1.35	1,160.80	\$ 1,567.08	-	1,160.80	\$ 1,567.08
73	Restoration, Mulch Blanket Only	SYD	1,161	\$ 1.10	1,160.80	\$ 1,276.88	-	1,160.80	\$ 1,276.88
74	Force Account, Drainage Correction	DLR	2,500	\$ 1.00	2,500.00	\$ 2,500.00	-	2,500.00	\$ 2,500.00

Current Earnings: \$ 24,997.32 Total Earnings: \$ 1,508,634.93

- Current Retainage: -\$30,000.00 -Retainage to Date: \$0.00
 - Current Adjustments: \$ - -Adjustments to Date: \$ -

Current Net Estimate: \$ 54,997.32 Total Net: \$ 1,508,634.93

Amount Due This Estimate: \$ 54,997.32

Contract modifications included: 1-6
 Note - Retainage reduced to \$0

Contract Summary
 Amount Previously Paid: \$1,453,637.61
 Total Paid: \$1,508,634.93

Original Contract: \$1,597,108.33
 Total Authorized: \$1,508,634.93
 % of Original: 94.5%

OK
11/2/06

I certify that the items included on this report constitute my estimate of the work completed and due the contractor as of the period covered by this document.

David P. Eno
 11/3/2006

Mr. David P. Eno, P.E. - Project Manager

Nine Mile Rd Reconstruction - Meadowbrook to Novi Rd and Roethel Dr Reconstruction

Legend

- Roads to be Reconstructed
- centerline

