May 2, 2005

TO: John Szerlag, City Manager

FROM: Brian Murphy, Assistant City Manager/Services
Steve Vandette, City Engineer

SUBJECT: **Agenda Item** – Standard Purchasing Resolution 1: Award to Low Bidder Contract 05-3 – Coolidge, North of Wattles Reconstruction

RECOMMENDATION

It is recommended that City Council award a contract for the Coolidge, north of Wattles reconstruction project to Six-S, Inc., 2210 Scott Lake Road, Waterford, MI 48328 for their low bid of $1,242,223.51 for Alternate "B", Option #1, contingent upon submission of proper proposal and bid documents, including insurance certificates, bonds and all specified requirements.

In addition, we are requesting authorization to approve additional work, if needed, not to exceed 10% of the original project cost.

PROJECT INFORMATION

Bids were received and publicly read on April 28, 2005. The low bidder was Six-S, Inc., as can be seen in the attached bid tabulation summary.

The project was bid with two (2) alternates for the construction staging. Alternate "A" is for construction of the project in a traditional fashion while maintaining traffic on one lane in each direction. Alternate "B" is for construction of the project under a full closure of Coolidge Road between Wattles Road and Briar Grove. The full closure option reflects a potential cost savings in the as-bid price of $261,111.12 or 17.37%. The work is also anticipated to be completed six (6) weeks earlier under a full closure. With a shorter construction time frame and safer working conditions, it is also anticipated that costs associated with inspection and overall project management will be reduced.

During the design phase Engineering considered reconstructing Coolidge under a full roadway closure while maintaining local traffic to existing residential homes and the church located within the construction zone. All through traffic on Coolidge would be detoured to Crooks or Adams. This mode of construction has several advantages, shorter construction time, less cost, and increased safety among others, which were communicated by letter to residents (see attachment). Responses to the survey card, included with our letter, indicated overwhelming support for full closure. As of April 28th, 92.7% favor full closure (5.8% no and 1.5% undecided). Of 960 letters sent, 344 survey cards were returned, many with constructive comments and some compliments.

An April 7th information meeting was held with residents. Staff from Engineering, Traffic, Police and Fire Departments were on hand to discuss the project and answer questions or concerns. Turnout was extremely light but all who attended were in favor of full closure. There will be another information meeting with residents after the contract is awarded and the contractor submits a detailed construction schedule.

Also included in the bid documents were two (2) options for rehabilitating the Coolidge/Wattles intersection. Option #1 is for a concrete overlay of the intersection (commonly referred to as whitetopping). Option #2 is for an asphalt overlay of the intersection. Both options would be completed under a full weekend closure of the Coolidge/Wattles intersection. The concrete option is negligibly higher at $2,205.58 or 0.20% and is the recommended option based on superior performance of concrete and longer service life.

Whitetopping or thin concrete overlays have proven successful throughout much of the United States and in Michigan in recent years. It is especially effective in high traffic intersections, where rutting and shoving of asphalt pavement is common. It is used extensively in Grand Rapids for intersection rehabilitation and throughout the Metro Region, including several projects in Wayne County and Washtenaw County . This would be the first use of whitetopping for an intersection in Oakland County.

FUNDING

The budgeted amount for this project is $1,500,000. The budgeted amount includes funds for construction, inspection and contingencies. Funds for this work are included in the 2004/05 Local Roads fund and 2005/06 proposed Local Roads fund within account number 401499.7989.942045 .

25 - Bids Sent / 6 - Bids Rec'd

Prepared by: William J. Huotari, Deputy City Engineer
G:\Contracts\Contracts - 2005\05-3 Coolidge at Wattles Intersection\Bid Award_R2.doc

March 22, 2005

To: Property Owners

Re: **Proposed Coolidge Road Closure, North of Wattles**
Contract No. 05-3

Dear Property Owner:

The City of Troy plans to reconstruct and realign the Coolidge Road/Wattles intersection beginning in June 2005. The project will eliminate the offset between the north and south sides of the Wattles intersection by moving a section of Coolidge Road, north of Wattles, to the west. The work will entail the complete removal of the existing concrete pavement from Wattles to just south of Briar Grove and the construction of a new four (4) lane concrete boulevard, which will match the boulevard to the north and south.

The City is considering reconstructing Coolidge Road from Wattles to just south of Briar Grove under a full roadway closure. Local traffic to existing residential homes and the church located within this construction zone would be maintained throughout construction. All Coolidge through traffic would be detoured to Crooks or Adams as shown on the attached diagram.

The City is considering a full closure rather than reconstructing the road under traffic for the following reasons:

1. Road construction would be completed sooner, ten (10) weeks rather than sixteen (16) weeks (not including restoration of grass areas).
2. A reduction in the construction cost, estimated at $200,000 for temporary pavement for shifting traffic during various construction stages that would not have to be constructed.
3. Reduces impact to residents within the construction zone.
4. The Troy Police Traffic Division recommends construction under full closure as it provides a safer environment for workers and traveling public.
5. Eliminates the need for several stages of construction to shift traffic on Coolidge and through the Wattles intersection. Traditional staged construction would also require that left turns be prohibited at the Coolidge-Wattles intersection during several stages of construction, as only one lane of traffic on Coolidge would be maintained in each direction.
6. Residents, outside of the construction zone, have multiple road options to access Wattles and Coolidge while the closure is in place.
7. Police, Fire and EMS services would not be impaired by the full closure.

The City of Troy invites your comments or concerns on the proposed closure of Coolidge Road. For this purpose we have enclosed a comment card and scheduled an informational meeting:

DATE: **Thursday, April 7, 2005**
TIME: **7:00 p.m.**
PLACE: **Troy City Council Chambers, 500 W. Big Beaver**

At this informational meeting, staff from the Engineering, Traffic, Police and Fire Departments will be on hand to discuss the project and answer questions or concerns. Please return the enclosed self-addressed, stamped postcard to indicate your opinion on the proposed closure and make any comments.

If you have any questions regarding the above, please contact the Engineering Department at 524-3383.

Sincerely,

Steven J. Vandette, P.E.
City Engineer

cc: John Szerlag, City Manager
Brian Murphy, Assistant City Manager/Services
Laura Fitzpatrick, Acting Assistant City Manager/Services
Charles Craft, Police Chief
William Nelson, Fire Chief
Cindy Stewart, Community Affairs DIrector
Neall Schroeder, Civil Engineer
William Jawlik, Inspector Supervisor
Nancy Faught; Jennifer Nelson, HRC

BID TABULATION
COOLIDGE HIGHWAY REALIGNMENT AT WATTLES ROAD
CITY OF TROY
OAKLAND COUNTY, MICHIGAN

Bids Due: April 28, 2005

Alternate B - Full Closure of Coolidge

	Item	Quantity	Six-S, Inc. 2210 Scott Lake Road Waterford, MI 48328 Unit Price	Total Cost	Florence Cement Co. 830 Kirts Blvd., Suite 100 Troy, MI 48084 Unit Price	Total Cost	Tiseo Brothers, Inc. 68660 Hillside, Washington Twp. Macomb, MI 48095 Unit Price	Total Cost
1.	Mobilization, Max. $69,000	1 LS	$59,220.04	$59,220.04	$39,903.00	$39,903.00	$48,500.00	$48,500.00
2.	Tree, Rem, 6 inch to 18 inch	12 Ea	$225.00	$2,700.00	$225.00	$2,700.00	$400.00	$4,800.00
3.	Dr Structure, Rem	21 Ea	$350.00	$7,350.00	$154.50	$3,244.50	$450.00	$9,450.00
4.	Remove Hydrant	1 Ea	$565.00	$565.00	$978.50	$978.50	$600.00	$600.00
5.	Sewer, Rem, Less than 24 inch	314 Ft	$16.00	$5,024.00	$13.50	$4,239.00	$25.00	$7,850.00
6.	Curb and Gutter, Rem	240 Ft	$2.78	$667.20	$8.25	$1,980.00	$7.00	$1,680.00
7.	Pavt, Rem	10,864 Syd	$3.53	$38,349.92	$4.15	$45,085.60	$4.50	$48,888.00
8.	Sidewalk, Rem	757 Syd	$0.32	$242.24	$6.50	$4,920.50	$6.00	$4,542.00
9.	Embankment, CIP	963 Cyd	$8.32	$8,012.16	$8.90	$8,570.70	$5.00	$4,815.00
10.	Excavation, Earth	5,025 Cyd	$8.20	$41,205.00	$8.30	$41,707.50	$7.20	$36,180.00
11.	Granular Material, C1 II	70.7 Cyd	$27.66	$1,955.56	$14.90	$1,053.43	$12.00	$848.40 *
12.	Subgrade Undercutting, 1" x 3"	800 Cyd	$25.56	$20,448.00	$29.75	$23,800.00	$18.50	$14,800.00
13.	Subgrade Undercutting, 21AA	600 Cyd	$33.14	$19,884.00	$30.25	$18,150.00	$25.60	$15,360.00
14.	Geotextile Grid	1,200 Syd	$6.34	$7,608.00	$4.50	$5,400.00	$4.50	$5,400.00
15.	Erosion Control, Inlet Protection, Fabric Drop	43 Ea	$25.00	$1,075.00	$50.00	$2,150.00	$75.00	$3,225.00
16.	Erosion Control, Silt Fence	500 Ft	$2.44	$1,220.00	$1.30	$650.00	$1.50	$750.00
17.	Aggregate Base, 21AA Limestone, 8 inch	12,782 Syd	$5.95	$76,052.90	$5.70	$72,857.40	$5.60	$71,579.20
18.	Open-Graded Dr Cse (5G), 6 inch	12,687 Syd	$5.14	$65,211.18	$4.70	$59,628.90	$4.70	$59,628.90
19.	Geotextile Fabric Type NW8	25,374 Syd	$1.45	$36,792.30	$1.10	$27,911.40	$1.25	$31,717.50
20.	Maintenance Aggregate, LM	500 Cyd	$29.31	$14,655.00	$19.10	$9,550.00	$16.00	$8,000.00
21.	Sewer, C1 IV, 12 inch, Tr Det B	329 Ft	$34.00	$11,186.00	$45.10	$14,837.90	$70.00	$23,030.00
22.	Sewer, C1 IV, 15 inch, Tr Det B	23 Ft	$39.00	$897.00	$55.00	$1,265.00	$95.00	$2,185.00
23.	Dr Structure, 24 inch dia	13 Ea	$666.00	$8,658.00	$1,281.00	$16,653.00	$1,000.00	$13,000.00
24.	Dr Structure, 24 inch dia, Over Existing	2 Ea	$782.00	$1,564.00	$1,837.30	$3,674.60	$1,200.00	$2,400.00
25.	Dr Structure, 48 inch dia	4 Ea	$1,160.00	$4,640.00	$2,325.30	$9,301.20	$1,400.00	$5,600.00
26.	Dr Structure, 48 inch dia, Over Existing	7 Ea	$1,260.00	$8,820.00	$2,816.00	$19,712.00	$1,700.00	$11,900.00
27.	Dr Structure Cover	17,045 Lb	$1.00	$17,045.00	$1.05	$17,897.25	$1.00	$17,045.00
28.	Dr Structure Cover, Adj	22 Ea	$159.81	$3,515.82	$212.80	$4,681.60	$150.00	$3,300.00
29.	Dr Structure, Adj, Add Depth	4.19 Ft	$103.00	$431.57	$265.65	$1,113.07	$200.00	$838.00
30.	Rebuild Structure	20.3 Ft	$109.00	$2,212.70 *	$245.00	$4,973.50	$200.00	$4,060.00
31.	Dr Structure, Tap, 12 inch	6 Ea	$350.00	$2,100.00	$114.20	$685.20	$150.00	$900.00
32.	Dr Structure, Tap, 15 inch	1 Ea	$250.00	$250.00	$114.20	$114.20	$200.00	$200.00
33.	Sewer Tap, 12 inch	2 Ea	$182.00	$364.00	$539.20	$1,078.40	$250.00	$500.00
34.	Underdrain, Subgrade, 6 inch	5,467 Ft	$8.37	$45,758.79	$6.25	$34,168.75	$7.25	$39,635.75
35.	Cold Milling HMA Surface	684 Syd	$14.00	$9,576.00	$5.25	$3,591.00	$8.25	$5,643.00
36.	Pavt for Butt Joints, Rem	400 Syd	$14.00	$5,600.00	$10.40	$4,160.00	$7.95	$3,180.00
37.	HMA Approach	12 Ton	$100.00	$1,200.00	$195.00	$2,340.00	$85.00	$1,020.00
38.	Conc Pavt, Nonreinf, 9 inch	4,879 Syd	$30.35	$148,077.65	$28.95	$141,247.05	$32.30	$157,591.70
39.	Conc Pavt, Misc, Nonreinf, 9 inch	5,084 Syd	$27.35	$139,047.40	$29.25	$148,707.00	$33.20	$168,788.80
40.	Pavt Gapping	140 Ft	$14.78	$2,069.20	$19.45	$2,723.00	$10.00	$1,400.00
41.	Conc Pavt with Int Curb, Misc, Nonreinf, 9 inch	168 Syd	$30.00	$5,040.00	$32.60	$5,476.80	$36.55	$6,140.40

BID TABULATION
COOLIDGE HIGHWAY REALIGNMENT AT WATTLES ROAD
CITY OF TROY
OAKLAND COUNTY, MICHIGAN

Bids Due: April 28, 2005

Alternate B - Full Closure of Coolidge

	Item	Quantity	Six-S, Inc. 2210 Scott Lake Road Waterford, MI 48328		Florence Cement Co. 830 Kirts Blvd., Suite 100 Troy, MI 48084		Tiseo Brothers, Inc. 68660 Hillside, Washington Twp. Macomb, MI 48095	
			Unit Price	Total Cost	Unit Price	Total Cost	Unit Price	Total Cost
42.	Conc Pavt with Int Curb, Misc, Nonreinf, 8 inch	114 Syd	$29.00	$3,306.00	$35.45	$4,041.30	$33.75	$3,847.50
43.	Driveway, Nonreinf Conc, 6 inch	42 Syd	$27.00	$1,134.00	$31.30	$1,314.60	$29.50	$1,239.00
44.	Stamped Concrete Pavers	10 Syd	$100.00	$1,000.00	$250.00	$2,500.00	$150.00	$1,500.00
45.	Curb and Gutter, Conc, Det B1	2,237 Ft	$11.00	$24,607.00	$11.75	$26,284.75	$12.50	$27,962.50
46.	Curb and Gutter, Conc, Det F3	2,800 Ft	$9.00	$25,200.00	$8.85	$24,780.00	$9.50	$26,600.00
47.	Driveway Opening, Conc, Det M	430 Ft	$9.50	$4,085.00	$9.85	$4,235.50	$11.00	$4,730.00
48.	Sidewalk, Conc, 4 inch	7,394 Sft	$2.30	$17,006.20	$2.95	$21,812.30	$2.80	$20,703.20
49.	Sidewalk Ramp	378 Sft	$4.00	$1,512.00	$4.20	$1,587.60	$4.00	$1,512.00
50.	Curb, HMA	153 Ft	$20.00	$3,060.00	$4.00	$612.00	$10.00	$1,530.00
51.	Post, Mailbox	4 Ea	$135.11	$540.44	$127.10	$508.40	$100.00	$400.00
52.	Temporary Gang Mailbox Assembly	1 LS	$203.46	$203.46	$1,678.00	$1,678.00	$1,500.00	$1,500.00
53.	Post Hole Through Conc for Steel Post	2 Ea	$50.00	$100.00	$50.00	$100.00	$50.00	$100.00
54.	Post, Steel, 3 lb	196 Ft	$4.50	$882.00	$4.50	$882.00	$4.50	$882.00
55.	Sign, Type IIIB	90 Sft	$14.00	$1,260.00	$14.00	$1,260.00	$14.00	$1,260.00
56.	Sign, Type III, Erect, Salv	1 Ea	$50.00	$50.00	$50.00	$50.00	$50.00	$50.00
57.	Sign, Type III, Rem	16 Ea	$10.00	$160.00	$10.00	$160.00	$10.00	$160.00
58.	Pavt Mrkg, Ovly Cold Plastic, 6 inch, Crosswalk	507 Ft	$1.95	$988.65	$11.95	$6,058.65	$1.97	$998.79
59.	Pavt Mrkg, Ovly Cold Plastic, 24 inch, Crosswalk	141 Ft	$7.85	$1,106.85	$7.85	$1,106.85	$7.85	$1,106.85
60.	Pavt Mrkg, Ovly Cold Plastic, Lt Turn Arrow Sym	11 Ea	$75.00	$825.00	$75.00	$825.00	$75.00	$825.00
61.	Pavt Mrkg, Ovly Cold Plastic, Only	11 Ea	$80.00	$880.00	$80.00	$880.00	$80.00	$880.00
62.	Pavt Mrkg, Regular Dry, 4 inch, White	2,222 Ft	$0.09	$199.98	$0.09	$199.98	$0.09	$199.98
63.	Pavt Mrkg, Regular Dry, 4 inch, Yellow	3,524 Ft	$0.09	$317.16	$0.09	$317.16	$0.09	$317.16
64.	Pavt Mrkg, Regular Dry, 6 inch, White	140 Ft	$0.15	$21.00	$0.15	$21.00	$0.15	$21.00
65.	Pavt Mrkg, Regular Dry, 2nd Application, 4 inch, White	2,222 Ft	$0.05	$111.10	$0.05	$111.10	$0.05	$111.10
66.	Pavt Mrkg, Regular Dry, 2nd Application, 4 inch, Yellow	3,524 Ft	$0.05	$176.20	$0.05	$176.20	$0.05	$176.20
67.	Pavt Mrkg, Regular Dry, 2nd Application, 6 inch, White	188 Ft	$0.08	$15.04	$0.08	$15.04	$0.08	$15.04
68.	Rem Curing Compound, for Longit Mrkg	4,514 Ft	$0.30	$1,354.20	$0.30	$1,354.20	$0.30	$1,354.20
69.	Rem Curing Compound, for Spec Mrkg	1,400 Sft	$0.40	$560.00	$0.40	$560.00	$0.40	$560.00
70.	Lighted Arrow, Type C, Furn	7 Ea	$600.00	$4,200.00	$600.00	$4,200.00	$600.00	$4,200.00
71.	Minor Traf Devices	1 LS	$3,700.00	$3,700.00	$5,895.00	$5,895.00	$5,000.00	$5,000.00
72.	Part Width Intersection Construction	1 Ea	$650.00	$650.00	$1,116.20	$1,116.20	$3,500.00	$3,500.00
73.	Pavt Mrkg, Longit, 6 inch or Less Width, Rem	3,200 Ft	$0.45	$1,440.00	$0.45	$1,440.00	$0.45	$1,440.00
74.	Pavt Mrkg, Type NR, Paint, 4 inch, Yellow Temp	0 Ft	$0.00	$0.00	$1.35	$0.00	$1.35	$0.00
75.	Pavt Mrkg, Type R, 4 inch, White, Temp	1,968 Ft	$1.35	$2,656.80	$1.35	$2,656.80	$1.35	$2,656.80
76.	Pavt Mrkg, Type R, 4 inch, Yellow, Temp	2,168 Ft	$1.35	$2,926.80	$1.35	$2,926.80	$1.35	$2,926.80
77.	Barricade, Type III, High Intensity, Lighted	51 Ea	$90.00	$4,590.00	$90.00	$4,590.00	$90.00	$4,590.00
78.	Plastic Drum, High Intensity, Lighted, Furn	100 Ea	$25.00	$2,500.00	$25.00	$2,500.00	$25.00	$2,500.00
79.	Sign, Type B, Temp, Furn	1,577 Sft	$2.75	$4,336.75	$2.75	$4,336.75	$2.75	$4,336.75
80.	Seeding	28 Lb	$2.50	$70.00	$5.50	$154.00	$2.50	$70.00

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Bids Due: April 28, 2005

Alternate B - Full Closure of Coolidge

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81.	Mulch Blankets	1,676 Syd	$1.50	$2,514.00		$1.50	$2,514.00		$0.80	$1,340.80
82.	Fertilizer	599 Lb	$1.45	$868.55		$1.45	$868.55		$0.60	$359.40
83.	Sodding	5,200 Syd	$2.95	$15,340.00	*	$2.95	$15,340.00	*	$2.00	$10,400.00
84.	Topsoil Surface, Furn, 4 inch	6,876 Syd	$1.45	$9,970.20		$5.45	$37,474.20		$2.00	$13,752.00
85.	Water, Sodding/Seeding	120 Unit	$25.00	$3,000.00		$8.30	$996.00		$40.00	$4,800.00
86.	Conduit, DB, 1, 1-1/4 inch	20 Ft	$77.95	$1,559.00		$16.00	$320.00		$77.95	$1,559.00
87.	Conduit, DB, 3, 4 inch	18 Ft	$95.90	$1,726.20		$35.00	$630.00		$95.90	$1,726.20
88.	Cable, Sec, 600V, 1, 2/C#4	150 Ft	$4.15	$622.50		$4.00	$600.00		$4.15	$622.50
89.	Wood Pole, Rem	3 Ea	$256.50	$769.50		$375.00	$1,125.00		$256.50	$769.50
90.	Case Sign, One Way, 12 inch by 27 inch	8 Ea	$748.50	$5,988.00		$1,455.00	$11,640.00		$748.50	$5,988.00
91.	Case Sign, Rem	5 Ea	$180.00	$900.00		$150.00	$750.00		$180.00	$900.00
92.	Controller and Cabinet, Rem	1 Ea	$308.00	$308.00		$400.00	$400.00		$308.00	$308.00
93.	Controller and Cabinet, Solid State Actuated	1 Ea	$936.00	$936.00		$800.00	$800.00		$936.00	$936.00
94.	Controller and Cabinet, Solid State Actuated, Delivered	1 Ea	$13,500.00	$13,500.00		$13,000.00	$13,000.00		$13,500.00	$13,500.00
95.	Controller Fdn, Base Mount	1 Ea	$628.00	$628.00		$900.00	$900.00		$628.00	$628.00
96.	Fdn, Rem	2 Ea	$240.00	$480.00		$350.00	$700.00		$240.00	$480.00
97.	Pushbutton and Sign	8 Ea	$583.00	$4,664.00		$700.00	$5,600.00		$583.00	$4,664.00
98.	Pushbutton, Rem	8 Ea	$205.00	$1,640.00		$150.00	$1,200.00		$205.00	$1,640.00
99.	Safety Switch	1 Ea	$1,100.00	$1,100.00		$1,700.00	$1,700.00		$1,100.00	$1,100.00
100.	Span Wire, Rem	1 Ea	$360.00	$360.00		$300.00	$300.00		$360.00	$360.00
101.	Steel Pole, Rem	1 Ea	$256.50	$256.50		$300.00	$300.00		$256.50	$256.50
102.	TS, Bracket Arm Mtd, Rem	4 Ea	$263.00	$1,052.00		$150.00	$600.00		$263.00	$1,052.00
103.	TS, Pedestrian, Bracket Arm Mtd, Rem	4 Ea	$263.00	$1,052.00		$200.00	$800.00		$263.00	$1,052.00
104.	TS, Span Wire Mtd, Rem	5 Ea	$236.00	$1,180.00		$250.00	$1,250.00		$236.00	$1,180.00
105.	Autoscope Camera (Solo Pro)	5 Ea	$1,000.00	$5,000.00		$650.00	$3,250.00		$1,000.00	$5,000.00
106.	Autoscope Camera Rem	4 Ea	$288.50	$1,154.00		$200.00	$800.00		$288.50	$1,154.00
107.	Bracket Arm, Clamp On, 18 feet	5 Ea	$868.50	$4,342.50		$1,000.00	$5,000.00		$868.50	$4,342.50
108.	Bracket Arm, Clamp On, Rem	4 Ea	$102.00	$408.00		$300.00	$1,200.00		$102.00	$408.00
109.	Controller and Cabinet, Salv	1 Ea	$2,036.00	$2,036.00		$1,100.00	$1,100.00		$2,036.00	$2,036.00
110.	PB, Pedestal Fdn, Rem	4 Ea	$235.00	$940.00		$300.00	$1,200.00		$236.00	$944.00
111.	PB, Pedestal, Rem	4 Ea	$51.50	$206.00		$150.00	$600.00		$51.50	$206.00
112.	TS, One Way Bracket Arm Mtd (LED)	4 Ea	$1,283.50	$5,134.00		$1,195.00	$4,780.00		$1,283.50	$5,134.00
113.	TS, One Way Span Wire Mtd (LED)	12 Ea	$1,360.50	$16,326.00		$1,195.00	$14,340.00		$1,360.50	$16,326.00
114.	TS, One Way Span Wire Mtd, RTGA (LED)	1 Ea	$610.00	$610.00		$495.00	$495.00		$610.00	$610.00
115.	TS, Pedestrian, Two Way Bracket Arm Mtd (LED)	4 Ea	$1,381.50	$5,526.00		$1,345.00	$5,380.00		$1,381.50	$5,526.00
116.	Optical Priority Control System	1 LS	$6,537.00	$6,537.00		$5,650.00	$5,650.00		$6,537.00	$6,537.00
117.	Road Commission for Oakland County Force Account Charges	$44,500.00 Dlr	$1.00	$44,500.00		$1.00	$44,500.00		$1.00	$44,500.00
118.	Monumeut Box, Adj	1 Ea	$236.83	$236.83		$112.50	$112.50		$150.00	$150.00
119.	Monument Preservation	1 Ea	$1,500.00	$1,500.00		$2,000.00	$2,000.00		$500.00	$500.00
120.	Fire Hydrant	3 Ea	$2,365.00	$7,095.00		$3,132.00	$9,396.00		$2,850.00	$8,550.00

BID TABULATION
COOLIDGE HIGHWAY REALIGNMENT AT WATTLES ROAD
CITY OF TROY
OAKLAND COUNTY, MICHIGAN

Bids Due: April 28, 2005

Alternate B - Full Closure of Coolidge

	Item	Quantity	Six-S, Inc. 2210 Scott Lake Road Waterford, MI 48328 Unit Price	Total Cost	Florence Cement Co. 830 Kirts Blvd., Suite 100 Troy, MI 48084 Unit Price	Total Cost	Tiseo Brothers, Inc. 68660 Hillside, Washington Twp. Macomb, MI 48095 Unit Price	Total Cost
121.	Gate Valve, 12 inch	2 Ea	$1,118.00	$2,236.00	$2,334.00	$4,668.00	$1,500.00	$3,000.00
122.	Gate Well, 6 feet	2 Ea	$2,665.00	$5,330.00	$3,420.55	$6,841.10	$2,500.00	$5,000.00
123.	Water Main, DI, 8 inch, CSB	8.5 Ft	$53.00	$450.50	$102.30	$869.55	$150.00	$1,275.00
124.	Water Main, DI, 12 inch, CSB	716 Ft	$59.00	$42,244.00	$83.10	$59,499.60	$99.00	$70,884.00
125.	Water Main Connection, 8 inch	1 Ea	$1,260.00	$1,260.00	$1,710.00	$1,710.00	$1,750.00	$1,750.00
126.	Water Main Connection, 12 inch	2 Ea	$1,953.00	$3,906.00	$1,787.00	$3,574.00	$2,200.00	$4,400.00
127.	Audio-Video Route Survey	1 Ea	$1,585.00	$1,585.00	$1,585.00	$1,585.00	$1,585.00	$1,585.00
128.	Clearing	38 Syd	$10.00	$380.00	$4.85	$184.30	$15.00	$570.00
129.	Transverse Contraction Joint, B	4,020 Ft	$1.58	$6,351.60	$1.75	$7,035.00	$0.15	$603.00
130.	Lane Tie, Epoxy Anchored	7,075 Ea	$0.01	$70.75	$0.01	$70.75	$1.00	$7,075.00
131.	Depressed Concrete Corrugated Divider	85 Ft	$5.90	$501.50	$3.00	$255.00	$50.00	$4,250.00
132.	Irragation Sleeves	336 Ft	$6.81	$2,288.16	$9.45	$3,175.20	$6.00	$2,016.00
133.	Field Office	3 Mn	$1,001.46	$3,004.38 *	$1,203.50	$3,610.50	$1,200.00	$3,600.00
134.	Temporary Blowoff Valve, 2 inch	2 Ea	$227.00	$454.00	$1,088.50	$2,177.00	$300.00	$600.00
135.	Inspection Crew Days	$380.00 Dys	110 Days	$41,800.00	94 Days	$35,720.00	90 Days	$34,200.00
	Subtotal			**$1,227,849.93 ***		**$1,276,714.38 ***		**$1,290,838.92**
	Concrete Overlay							
1.	Conc Pavt, Ovly, Finishing and Curing	709 Syd	$8.22	$5,827.98	$3.15	$2,233.35	$15.00	$10,635.00
2.	Conc Pavt, Ovly, Furnishing and Placing	80 Cyd	$106.82	$8,545.60	$201.70	$16,136.00	$130.00	$10,400.00
	Subtotal - Concrete Overlay			**$14,373.58**		**$18,369.35**		**$21,035.00**
	HMA Overlay							
1.	HMA, 3C	78 Ton	$79.00	$6,162.00	$81.50	$6,357.00	$105.00	$8,190.00
2.	HMA, 4C	78 Ton	$77.00	$6,006.00	$83.50	$6,513.00	$108.00	$8,424.00
	Subtotal - HMA Overlay			**$12,168.00**		**$12,870.00**		**$16,614.00**
	BASE BID - CONCRETE OVERLAY			**$1,242,223.51 ***		**$1,295,083.73 ***		**$1,311,873.92**
	BASE BID - HMA OVERLAY			**$1,240,017.93 ***		**$1,289,584.38 ***		**$1,307,452.92**

* Corrected By Engineer

Additional Bidders:	Base - Concrete	Base - HMA
Major Cement Co.	$1,368,338.59	$1,370,066.59
Angelo Iafrate Const. Co.	$1,436,090.13	$1,425,697.73
John Carlo, Inc.	$1,501,426.91	$1,486,610.91

BID TABULATION
COOLIDGE HIGHWAY REALIGNMENT AT WATTLES ROAD
CITY OF TROY
OAKLAND COUNTY, MICHIGAN

Alternate B - Full Closure of Coolidge

	Item	Quantity	Major Cement Co. 15347 Park Detroit, MI 48219		Angelo Iafrate Const. Co. 26400 Sherwood Warren, MI 48091		John Carlo, Inc. 4500 River Ridge Dr., Suite 200 Clinton Township, MI 48038	
			Unit Price	Total Cost	Unit Price	Total Cost	Unit Price	Total Cost
1.	Mobilization, Max. $69,000	1 LS	$60,700.00	$60,700.00	$60,700.00	$60,700.00	$42,000.00	$42,000.00
2.	Tree, Rem, 6 inch to 18 inch	12 Ea	$200.00	$2,400.00	$350.00	$4,200.00	$300.00	$3,600.00
3.	Dr Structure, Rem	21 Ea	$300.00	$6,300.00	$290.00	$6,090.00	$275.00	$5,775.00
4.	Remove Hydrant	1 Ea	$700.00	$700.00	$1,040.00	$1,040.00	$825.00	$825.00
5.	Sewer, Rem, Less than 24 inch	314 Ft	$12.00	$3,768.00	$14.30	$4,490.20	$17.65	$5,542.10
6.	Curb and Gutter, Rem	240 Ft	$8.00	$1,920.00	$9.60	$2,304.00	$7.15	$1,716.00
7.	Pavt, Rem	10,864 Syd	$4.25	$46,172.00	$5.35	$58,122.40	$5.60	$60,838.40
8.	Sidewalk, Rem	757 Syd	$4.75	$3,595.75	$1.00	$757.00	$3.70	$2,800.90
9.	Embankment, CIP	963 Cyd	$5.00	$4,815.00	$13.00	$12,519.00	$10.70	$10,304.10
10.	Excavation, Earth	5,025 Cyd	$8.00	$40,200.00	$8.65	$43,466.25	$9.85	$49,496.25
11.	Granular Material, Cl II	70.7 Cyd	$10.00	$707.00	$98.40	$6,956.88	$60.55	$4,280.89
12.	Subgrade Undercutting, 1" x 3"	800 Cyd	$23.00	$18,400.00	$20.00	$16,000.00	$37.00	$29,600.00
13.	Subgrade Undercutting, 21AA	600 Cyd	$21.00	$12,600.00	$25.00	$15,000.00	$36.95	$22,170.00
14.	Geotextile Grid	1,200 Syd	$7.00	$8,400.00	$3.50	$4,200.00	$6.20	$7,440.00
15.	Erosion Control, Inlet Protection, Fabric Drop	43 Ea	$90.00	$3,870.00	$126.00	$5,418.00	$56.65	$2,435.95
16.	Erosion Control, Silt Fence	500 Ft	$2.00	$1,000.00	$2.25	$1,125.00	$1.70	$850.00
17.	Aggregate Base, 21AA Limestone, 8 inch	12,782 Syd	$5.25	$67,105.50	$6.45	$82,443.90	$5.95	$76,052.90
18.	Open-Graded Dr Cse (5G), 6 inch	12,687 Syd	$5.75	$72,950.25 *	$5.95	$75,487.65	$6.25	$79,293.75
19.	Geotextile Fabric Type NW8	25,374 Syd	$1.00	$25,374.00	$1.50	$38,061.00	$1.65	$41,867.10
20.	Maintenance Aggregate, LM	500 Cyd	$15.00	$7,500.00	$7.75	$3,875.00	$35.60	$17,800.00
21.	Sewer, Cl IV, 12 inch, Tr Det B	329 Ft	$40.00	$13,160.00	$42.70	$14,048.30	$51.75	$17,025.75
22.	Sewer, Cl IV, 15 inch, Tr Det B	23 Ft	$55.00	$1,265.00	$54.40	$1,251.20	$70.55	$1,622.65
23.	Dr Structure, 24 inch dia	13 Ea	$700.00	$9,100.00	$910.00	$11,830.00	$900.00	$11,700.00
24.	Dr Structure, 24 inch dia, Over Existing	2 Ea	$1,000.00	$2,000.00	$1,600.00	$3,200.00	$1,255.00	$2,510.00
25.	Dr Structure, 48 inch dia	4 Ea	$1,500.00	$6,000.00	$1,190.00	$4,760.00	$1,375.00	$5,500.00
26.	Dr Structure, 48 inch dia, Over Existing	7 Ea	$1,800.00	$12,600.00	$1,470.00	$10,290.00	$2,070.00	$14,490.00
27.	Dr Structure Cover	17,045 Lb	$1.00	$17,045.00	$1.05	$17,897.25	$1.05	$17,897.25
28.	Dr Structure Cover, Adj	22 Ea	$200.00	$4,400.00	$370.00	$8,140.00	$245.00	$5,390.00
29.	Dr Structure, Adj, Add Depth	4.19 Ft	$150.00	$628.50	$350.00	$1,466.50	$230.00	$963.70
30.	Rebuild Structure	20.3 Ft	$200.00	$4,060.00	$290.00	$5,887.00	$280.00	$5,684.00
31.	Dr Structure, Tap, 12 inch	6 Ea	$400.00	$2,400.00	$210.00	$1,260.00 *	$515.00	$3,090.00
32.	Dr Structure, Tap, 15 inch	1 Ea	$500.00	$500.00	$360.00	$360.00	$530.00	$530.00
33.	Sewer Tap, 12 inch	2 Ea	$400.00	$800.00	$310.00	$620.00	$850.00	$1,700.00
34.	Underdrain, Subgrade, 6 inch	5,467 Ft	$7.00	$38,269.00	$11.80	$64,510.60	$11.65	$63,690.55
35.	Cold Milling HMA Surface	684 Syd	$5.00	$3,420.00	$6.35	$4,343.40	$6.35	$4,343.40
36.	Pavt for Butt Joints, Rem	400 Syd	$7.00	$2,800.00	$12.60	$5,040.00	$8.15	$3,260.00
37.	HMA Approach	12 Ton	$90.00	$1,080.00	$225.00	$2,700.00	$125.00	$1,500.00
38.	Conc Pavt, Nonreinf, 9 inch	4,879 Syd	$32.50	$158,567.50	$35.00	$170,765.00	$32.60	$159,055.40
39.	Conc Pavt, Misc, Nonreinf, 9 inch	5,084 Syd	$36.50	$185,566.00	$35.00	$177,940.00	$37.45	$190,395.80
40.	Pavt Gapping	140 Ft	$20.00	$2,800.00	$24.50	$3,430.00	$1.00	$140.00
41.	Conc Pavt with Int Curb, Misc, Nonreinf, 9 inch	168 Syd	$38.00	$6,384.00	$42.80	$7,190.40	$30.00	$5,040.00

BID TABULATION
COOLIDGE HIGHWAY REALIGNMENT AT WATTLES ROAD
CITY OF TROY
OAKLAND COUNTY, MICHIGAN

Alternate B - Full Closure of Coolidge

	Item	Quantity	Major Cement Co. 15347 Park Detroit, MI 48219 Unit Price	Total Cost	Angelo Iafrate Const. Co. 26400 Sherwood Warren, MI 48091 Unit Price	Total Cost	John Carlo, Inc. 4500 River Ridge Dr., Suite 200 Clinton Township, MI 48038 Unit Price	Total Cost
42.	Conc Pavt with Int Curb, Misc, Nonreinf, 8 inch	114 Syd	$33.00	$3,762.00	$42.10	$4,799.40	$29.00	$3,306.00
43.	Driveway, Nonreinf Conc, 6 inch	42 Syd	$30.00	$1,260.00	$44.00	$1,848.00	$27.00	$1,134.00
44.	Stamped Concrete Pavers	10 Syd	$100.00	$1,000.00	$78.80	$788.00	$200.00	$2,000.00
45.	Curb and Gutter, Conc, Det B1	2,237 Ft	$12.00	$26,844.00	$13.20	$29,528.40	$11.50	$25,725.50
46.	Curb and Gutter, Conc, Det F3	2,800 Ft	$10.00	$28,000.00	$10.40	$29,120.00	$9.50	$26,600.00
47.	Driveway Opening, Conc, Det M	430 Ft	$13.00	$5,590.00	$14.90	$6,407.00	$9.50	$4,085.00
48.	Sidewalk, Conc, 4 inch	7,394 Sft	$2.40	$17,745.60	$2.60	$19,224.40	$2.30	$17,006.20
49.	Sidewalk Ramp	378 Sft	$3.50	$1,323.00	$4.60	$1,738.80	$4.00	$1,512.00
50.	Curb, HMA	153 Ft	$8.00	$1,224.00	$5.00	$765.00	$20.00	$3,060.00
51.	Post, Mailbox	4 Ea	$100.00	$400.00	$114.00	$456.00	$100.00	$400.00
52.	Temporary Gang Mailbox Assembly	1 LS	$1,500.00	$1,500.00	$460.00	$460.00	$585.00	$585.00
53.	Post Hole Through Conc for Steel Post	2 Ea	$50.00	$100.00	$50.00	$100.00	$50.00	$100.00
54.	Post, Steel, 3 lb	196 Ft	$4.50	$882.00	$4.50	$882.00	$4.50	$882.00
55.	Sign, Type IIIB	90 Sft	$14.00	$1,260.00	$14.00	$1,260.00	$14.00	$1,260.00
56.	Sign, Type III, Erect, Salv	1 Ea	$50.00	$50.00	$50.00	$50.00	$50.00	$50.00
57.	Sign, Type III, Rem	16 Ea	$10.00	$160.00	$10.00	$160.00	$10.00	$160.00
58.	Pavt Mrkg, Ovly Cold Plastic, 6 inch, Crosswalk	507 Ft	$2.00	$1,014.00	$1.95	$988.65	$1.95	$988.65
59.	Pavt Mrkg, Ovly Cold Plastic, 24 inch, Crosswalk	141 Ft	$8.00	$1,128.00	$10.00	$1,410.00	$7.85	$1,106.85
60.	Pavt Mrkg, Ovly Cold Plastic, Lt Turn Arrow Sym	11 Ea	$75.00	$825.00	$75.00	$825.00	$75.00	$825.00
61.	Pavt Mrkg, Ovly Cold Plastic, Only	11 Ea	$80.00	$880.00	$80.00	$880.00	$80.00	$880.00
62.	Pavt Mrkg, Regular Dry, 4 inch, White	2,222 Ft	$0.10	$222.20	$0.10	$222.20	$0.09	$199.98
63.	Pavt Mrkg, Regular Dry, 4 inch, Yellow	3,524 Ft	$0.10	$352.40	$0.10	$352.40	$0.09	$317.16
64.	Pavt Mrkg, Regular Dry, 6 inch, White	140 Ft	$0.15	$21.00	$0.15	$21.00	$0.15	$21.00
65.	Pavt Mrkg, Regular Dry, 2nd Application, 4 inch, White	2,222 Ft	$0.05	$111.10	$0.05	$111.10	0 Days	$111.10
66.	Pavt Mrkg, Regular Dry, 2nd Application, 4 inch, Yellow	3,524 Ft	$0.05	$176.20	$0.05	$176.20	$0.05	$176.20
67.	Pavt Mrkg, Regular Dry, 2nd Application, 6 inch, White	188 Ft	$0.08	$15.04	$0.10	$18.80	$0.08	$15.04
68.	Rem Curing Compound, for Longit Mrkg	4,514 Ft	$0.30	$1,354.20	$0.30	$1,354.20	$0.30	$1,354.20
69.	Rem Curing Compound, for Spec Mrkg	1,400 Sft	$0.40	$560.00	$0.40	$560.00	$0.40	$560.00
70.	Lighted Arrow, Type C, Furn	7 Ea	$650.00	$4,550.00	$500.00	$3,500.00	$600.00	$4,200.00
71.	Minor Traf Devices	1 LS	$5,195.00	$5,195.00	$36,500.00	$36,500.00	$42,500.00	$42,500.00
72.	Part Width Intersection Construction	1 Ea	$5,000.00	$5,000.00	$1,000.00	$1,000.00	$5,600.00	$5,600.00
73.	Pavt Mrkg, Longit, 6 inch or Less Width, Rem	3,200 Ft	$0.50	$1,600.00	$0.45	$1,440.00	$0.45	$1,440.00
74.	Pavt Mrkg, Type NR, Paint, 4 inch, Yellow Temp	0 Ft	$0.00	$0.00	$0.35	$0.00	$0.35	$0.00
75.	Pavt Mrkg, Type R, 4 inch, White, Temp	1,968 Ft	$1.50	$2,952.00	$1.25	$2,460.00	$1.35	$2,656.80
76.	Pavt Mrkg, Type R, 4 inch, Yellow, Temp	2,168 Ft	$1.50	$3,252.00	$1.25	$2,710.00	$1.35	$2,926.80
77.	Barricade, Type III, High Intensity, Lighted	51 Ea	$100.00	$5,100.00	$90.00	$4,590.00	$90.00	$4,590.00
78.	Plastic Drum, High Intensity, Lighted, Furn	100 Ea	$25.00	$2,500.00	$25.00	$2,500.00	$25.00	$2,500.00
79.	Sign, Type B, Temp, Furn	1,577 Sft	$3.00	$4,731.00	$2.75	$4,336.75	$2.50	$3,942.50
80.	Seeding	28 Lb	$3.00	$84.00	$2.50	$70.00	$2.50	$70.00

BID TABULATION
COOLIDGE HIGHWAY REALIGNMENT AT WATTLES ROAD
CITY OF TROY
OAKLAND COUNTY, MICHIGAN

Alternate B - Full Closure of Coolidge

	Item	Quantity	Major Cement Co. 15347 Park Detroit, MI 48219 Unit Price	Total Cost	Angelo Iafrate Const. Co. 26400 Sherwood Warren, MI 48091 Unit Price	Total Cost	John Carlo, Inc. 4500 River Ridge Dr., Suite 200 Clinton Township, MI 48038 Unit Price	Total Cost
81.	Mulch Blankets	1,676 Syd	$1.00	$1,676.00	$1.50	$2,514.00	$0.80	$1,340.80
82.	Fertilizer	599 Lb	$0.90	$539.10	$1.45	$868.55	$0.60	$359.40
83.	Sodding	5,200 Syd	$2.25	$11,700.00	$2.95	$15,340.00	$2.00	$10,400.00
84.	Topsoil Surface, Furn, 4 inch	6,876 Syd	$2.25	$15,471.00	$1.45	$9,970.20	$2.00	$13,752.00
85.	Water, Sodding/Seeding	120 Unit	$40.00	$4,800.00	$8.35	$1,002.00	$40.00	$4,800.00
86.	Conduit, DB, 1, 1-1/4 inch	20 Ft	$78.00	$1,560.00	$78.00	$1,560.00	$77.95	$1,559.00
87.	Conduit, DB, 3, 4 inch	18 Ft	$96.00	$1,728.00	$95.90	$1,726.20	$95.90	$1,726.20
88.	Cable, Sec, 600V, 1, 2/C#4	150 Ft	$4.50	$675.00	$4.15	$622.50	$4.15	$622.50
89.	Wood Pole, Rem	3 Ea	$275.00	$825.00	$260.00	$780.00	$256.50	$769.50
90.	Case Sign, One Way, 12 inch by 27 inch	8 Ea	$750.00	$6,000.00	$750.00	$6,000.00	$748.50	$5,988.00
91.	Case Sign, Rem	5 Ea	$200.00	$1,000.00	$180.00	$900.00	$180.00	$900.00
92.	Controller and Cabinet, Rem	1 Ea	$310.00	$310.00	$310.00	$310.00	$308.00	$308.00
93.	Controller and Cabinet, Solid State Actuated	1 Ea	$1,000.00	$1,000.00	$940.00	$940.00	$936.00	$936.00
94.	Controller and Cabinet, Solid State Actuated, Delivered	1 Ea	$13,500.00	$13,500.00	$13,500.00	$13,500.00	$13,500.00	$13,500.00
95.	Controller Fdn, Base Mount	1 Ea	$750.00	$750.00	$630.00	$630.00	$628.00	$628.00
96.	Fdn, Rem	2 Ea	$250.00	$500.00	$240.00	$480.00	$240.00	$480.00
97.	Pushbutton aud Sign	8 Ea	$600.00	$4,800.00	$580.00	$4,640.00	$583.00	$4,664.00
98.	Pushbutton, Rem	8 Ea	$210.00	$1,680.00	$205.00	$1,640.00	$205.00	$1,640.00
99.	Safety Switch	1 Ea	$1,500.00	$1,500.00	$1,100.00	$1,100.00	$1,100.00	$1,100.00
100.	Span Wire, Rem	1 Ea	$400.00	$400.00	$360.00	$360.00	$360.00	$360.00
101.	Steel Pole, Rem	1 Ea	$275.00	$275.00	$260.00	$260.00	$256.50	$256.50
102.	TS, Bracket Arm Mtd, Rem	4 Ea	$275.00	$1,100.00	$260.00	$1,040.00	$263.00	$1,052.00
103.	TS, Pedestrian, Bracket Arm Mtd, Rem	4 Ea	$275.00	$1,100.00	$260.00	$1,040.00	$263.00	$1,052.00
104.	TS, Span Wire Mtd, Rem	5 Ea	$250.00	$1,250.00	$236.00	$1,180.00	$236.00	$1,180.00
105.	Autoscope Camera (Solo Pro)	5 Ea	$1,000.00	$5,000.00	$1,000.00	$5,000.00	$1,000.00	$5,000.00
106.	Autoscope Camera Rem	4 Ea	$300.00	$1,200.00	$290.00	$1,160.00	$288.50	$1,154.00
107.	Bracket Arm, Clamp On, 18 feet	5 Ea	$900.00	$4,500.00	$870.00	$4,350.00	$868.50	$4,342.50
108.	Bracket Arm, Clamp On, Rem	4 Ea	$110.00	$440.00	$102.00	$408.00	$102.00	$408.00
109.	Controller and Cabinet, Salv	1 Ea	$2,100.00	$2,100.00	$2,040.00	$2,040.00	$2,036.00	$2,036.00
110.	PB, Pedestal Fdn, Rem	4 Ea	$250.00	$1,000.00	$235.00	$940.00	$235.00	$940.00
111.	PB, Pedestal, Rem	4 Ea	$55.00	$220.00	$51.50	$206.00	$51.50	$206.00
112.	TS, One Way Bracket Arm Mtd (LED)	4 Ea	$1,300.00	$5,200.00	$1,280.00	$5,120.00	$1,283.50	$5,134.00
113.	TS, One Way Span Wire Mtd (LED)	12 Ea	$1,400.00	$16,800.00	$1,360.00	$16,320.00	$1,360.50	$16,326.00
114.	TS, One Way Span Wire Mtd, RTGA (LED)	1 Ea	$650.00	$650.00	$610.00	$610.00	$610.00	$610.00
115.	TS, Pedestrian, Two Way Bracket Arm Mtd (LED)	4 Ea	$1,400.00	$5,600.00	$1,380.00	$5,520.00	$1,381.50	$5,526.00
116.	Optical Priority Control System	1 LS	$6,800.00	$6,800.00	$6,540.00	$6,540.00	$6,537.00	$6,537.00
117.	Road Commission for Oakland County Force Account Charges	$44,500.00 Dlr	$1.00	$44,500.00	$1.00	$44,500.00	$1.00	$44,500.00
118.	Monument Box, Adj	1 Ea	$100.00	$100.00	$219.00	$219.00	$276.07	$276.07
119.	Monument Preservation	1 Ea	$750.00	$750.00	$620.00	$620.00	$1,000.00	$1,000.00
120.	Fire Hydrant	3 Ea	$2,700.00	$8,100.00	$3,440.00	$10,320.00	$2,165.00	$6,495.00

BID TABULATION
COOLIDGE HIGHWAY REALIGNMENT AT WATTLES ROAD
CITY OF TROY
OAKLAND COUNTY, MICHIGAN

Alternate B - Full Closure of Coolidge

	Item	Quantity	Major Cement Co. 15347 Park Detroit, MI 48219			Angelo Iafrate Const. Co. 26400 Sherwood Warren, MI 48091		John Carlo, Inc. 4500 River Ridge Dr., Suite 200 Clinton Township, MI 48038	
			Unit Price	Total Cost		Unit Price	Total Cost	Unit Price	Total Cost
121.	Gate Valve, 12 inch	2 Ea	$3,000.00	$6,000.00		$1,570.00	$3,140.00	$1,585.00	$3,170.00
122.	Gate Well, 6 feet	2 Ea	$2,500.00	$5,000.00		$2,170.00	$4,340.00	$2,170.00	$4,340.00
123.	Water Main, DI, 8 inch, CSB	8.5 Ft	$120.00	$1,020.00		$76.40	$649.40	$91.25	$775.63
124.	Water Main, DI, 12 inch, CSB	716 Ft	$80.00	$57,280.00		$72.60	$51,981.60	$68.25	$48,867.00
125.	Water Main Connection, 8 inch	1 Ea	$1,500.00	$1,500.00		$2,850.00	$2,850.00	$1,400.00	$1,400.00
126.	Water Main Connection, 12 inch	2 Ea	$1,500.00	$3,000.00	*	$1,740.00	$3,480.00	$1,525.00	$3,050.00
127.	Audio-Video Route Survey	1 Ea	$2,000.00	$2,000.00		$1,590.00	$1,590.00	$1,585.00	$1,585.00
128.	Clearing	38 Syd	$50.00	$1,900.00		$23.40	$889.20	$100.00	$3,800.00
129.	Transverse Contraction Joint, B	4,020 Ft	$1.75	$7,035.00		$1.25	$5,025.00	$4.50	$18,090.00
130.	Lane Tie, Epoxy Anchored	7,075 Ea	$5.75	$40,681.25		$0.01	$70.75	$0.60	$4,245.00
131.	Depressed Concrete Corrugated Divider	85 Ft	$75.00	$6,375.00		$16.10	$1,368.50	$10.00	$850.00
132.	Irragation Sleeves	336 Ft	$5.00	$1,680.00		$12.10	$4,065.60	$9.00	$3,024.00
133.	Field Office	3 Mn	$1,750.00	$5,250.00		$1,470.00	$4,410.00	$1,360.00	$4,080.00
134.	Temporary Blowoff Valve, 2 inch	2 Ea	$350.00	$700.00		$810.00	$1,620.00	$1,055.00	$2,110.00
135.	Inspection Crew Days	$380.00 Dys	95 Days	$36,100.00		80 Days	$30,400.00	$157.00	$59,660.00
	Subtotal			**$1,346,666.59**	*		**$1,410,955.73**	*	**$1,473,974.91**	*
	Concrete Overlay								
1.	Conc Pavt, Ovly, Finishing and Curing	709 Syd	$8.00	$5,672.00		$1.60	$1,134.40	$28.00	$19,852.00
2.	Conc Pavt, Ovly, Furnishing and Placing	80 Cyd	$200.00	$16,000.00		$300.00	$24,000.00	$95.00	$7,600.00
	Subtotal - Concrete Overlay			**$21,672.00**			**$25,134.40**		**$27,452.00**
	HMA Overlay								
1.	HMA, 3C	78 Ton	$150.00	$11,700.00		$93.00	$7,254.00	$80.00	$6,240.00
2.	HMA, 4C	78 Ton	$150.00	$11,700.00		$96.00	$7,488.00	$82.00	$6,396.00
	Subtotal - HMA Overlay			**$23,400.00**			**$14,742.00**		**$12,636.00**
	BASE BID - CONCRETE OVERLAY			**$1,368,338.59**	*		**$1,436,090.13**	*	**$1,501,426.91**	*
	BASE BID - HMA OVERLAY			**$1,370,066.59**	*		**$1,425,697.73**	*	**$1,486,610.91**	*

* Corrected By Engineer

Additional Bidders:
Major Cement Co.
Angelo Iafrate Const. Co.
John Carlo, Inc.

BID TABULATION
COOLIDGE HIGHWAY REALIGNMENT AT WATTLES ROAD
CITY OF TROY
OAKLAND COUNTY, MICHIGAN

Bids Due: April 28, 2005

Alternate A - Maintaining Traffic on Coolidge

	Item	Quantity	Six-S, Inc. 2210 Scott Lake Road Waterford, MI 48328 Unit Price	Total Cost	Florence Cement Co. 830 Kirts Blvd., Suite 100 Troy, MI 48084 Unit Price	Total Cost	Tiseo Brothers, Inc. 68660 Hillside, Washington Twp. Macomb, MI 48095 Unit Price	Total Cost
1.	Mobilization, Max. $69,000	1 LS	$68,997.52	$68,997.52	$47,435.00	$47,435.00	$57,800.00	$57,800.00
2.	Tree, Rem, 6 inch to 18 inch	12 Ea	$225.00	$2,700.00	$225.00	$2,700.00	$400.00	$4,800.00
3.	Dr Structure, Rem	21 Ea	$350.00	$7,350.00	$155.00	$3,255.00	$450.00	$9,450.00
4.	Remove Hydrant	1 Ea	$565.00	$565.00	$980.00	$980.00	$600.00	$600.00
5.	Sewer, Rem, Less than 24 inch	314 Ft	$16.00	$5,024.00	$13.50	$4,239.00	$25.00	$7,850.00
6.	Curb and Gutter, Rem	2,441 Ft	$3.62	$8,836.42	$6.30	$15,378.30	$7.00	$17,087.00
7.	Pavt, Rem	14,062 Syd	$3.75	$52,732.50	$4.30	$60,466.60	$4.50	$63,279.00
8.	Sidewalk, Rem	757 Syd	$0.33	$249.81	$6.50	$4,920.50	$6.00	$4,542.00
9.	Embankment, CIP	3,183 Cyd	$6.60	$21,007.80	$13.80	$43,925.40	$5.00	$15,915.00
10.	Excavation, Earth	7,955 Cyd	$9.07	$72,151.85	$7.90	$62,844.50	$7.20	$57,276.00
11.	Granular Material, Cl II	70.7 Cyd	$28.86	$2,040.40	$14.90	$1,053.43	$12.00	$848.40
12.	Subgrade Undercutting, 1" x 3"	800 Cyd	$26.67	$21,336.00	$29.75	$23,800.00	$18.50	$14,800.00
13.	Subgrade Undercutting, 21AA	600 Cyd	$34.58	$20,748.00	$30.25	$18,150.00	$25.60	$15,360.00
14.	Geotextile Grid	1,200 Syd	$6.62	$7,944.00	$4.50	$5,400.00	$4.50	$5,400.00
15.	Erosion Control, Inlet Protection, Fabric Drop	52 Ea	$25.00	$1,300.00	$50.00	$2,600.00	$75.00	$3,900.00
16.	Erosion Control, Silt Fence	500 Ft	$2.54	$1,270.00	$1.30	$650.00	$1.50	$750.00
17.	Aggregate Base, 21AA Limestone, 8 inch	15,980 Syd	$6.21	$99,235.80 *	$5.70	$91,086.00	$5.60	$89,488.00
18.	Open-Graded Dr Cse (5G), 6 inch	12,687 Syd	$5.30	$67,241.10	$4.70	$59,628.90	$4.70	$59,628.90
19.	Geotextile Fabric Type NW8	25,374 Syd	$1.51	$38,314.74	$1.10	$27,911.40	$1.25	$31,717.50
20.	Maintenance Aggregate, LM	200 Cyd	$30.58	$6,116.00	$18.90	$3,780.00	$16.00	$3,200.00
21.	Sewer, Cl IV, 12 inch, Tr Det B	329 Ft	$50.00	$16,450.00	$67.00	$22,043.00	$78.00	$25,662.00
22.	Sewer, Cl IV, 15 inch, Tr Det B	23 Ft	$55.00	$1,265.00	$72.60	$1,669.80	$95.00	$2,185.00
23.	Dr Structure, 24 inch dia	13 Ea	$666.00	$8,658.00	$1,281.00	$16,653.00	$1,000.00	$13,000.00
24.	Dr Structure, 24 inch dia, Over Existing	2 Ea	$782.00	$1,564.00	$1,837.00	$3,674.00	$1,200.00	$2,400.00
25.	Dr Structure, 48 inch dia	4 Ea	$1,160.00	$4,640.00	$2,325.00	$9,300.00	$1,400.00	$5,600.00
26.	Dr Structure, 48 inch dia, Over Existing	7 Ea	$1,260.00	$8,820.00	$2,816.30	$19,714.10	$1,700.00	$11,900.00
27.	Dr Structure Cover	19,285 Lb	$1.00	$19,285.00	$1.05	$20,249.25	$1.00	$19,285.00
28.	Dr Structure Cover, Adj	22 Ea	$166.95	$3,672.90	$200.00	$4,400.00	$150.00	$3,300.00
29.	Dr Structure, Adj, Add Depth	4.19 Ft	$103.00	$431.57	$265.60	$1,112.86	$200.00	$838.00
30.	Rebuild Structure	20.3 Ft	$109.00	$2,212.70	$243.95	$4,952.19	$200.00	$4,060.00
31.	Dr Structure, Tap, 12 inch	6 Ea	$910.00	$5,460.00	$114.20	$685.20	$150.00	$900.00
32.	Dr Structure, Tap, 15 inch	1 Ea	$920.00	$920.00	$114.15	$114.15	$200.00	$200.00
33.	Sewer Tap, 12 inch	2 Ea	$182.00	$364.00	$539.20	$1,078.40	$250.00	$500.00
34.	Underdrain, Subgrade, 6 inch	5,467 Ft	$8.74	$47,781.58	$6.25	$34,168.75	$7.25	$39,635.75
35.	Cold Milling HMA Surface	684 Syd	$14.00	$9,576.00	$5.25	$3,591.00	$8.25	$5,643.00
36.	Pavt for Butt Joints, Rem	400 Syd	$14.00	$5,600.00	$10.40	$4,160.00	$7.95	$3,180.00
37.	Temporary HMA	774 Ton	$50.00	$38,700.00	$47.00	$36,378.00	$55.00	$42,570.00
38.	HMA Approach	12 Ton	$100.00	$1,200.00	$195.00	$2,340.00	$85.00	$1,020.00
39.	Conc Pavt, Nonreinf, 9 inch	4,879 Syd	$31.00	$151,249.00	$31.25	$152,468.75	$32.30	$157,591.70
40.	Conc Pavt, Misc, Nonreinf, 9 inch	5,084 Syd	$28.79	$146,368.36	$31.30	$159,129.20	$33.20	$168,788.80
41.	Pavt Gapping	140 Ft	$15.42	$2,158.80 *	$19.45	$2,723.00	$10.00	$1,400.00
42.	Conc Pavt with Int Curb, Misc, Nonreinf, 9 inch	168 Syd	$30.00	$5,040.00	$32.35	$5,434.80	$36.55	$6,140.40
43.	Conc Pavt with Int Curb, Misc, Nonreinf, 8 inch	114 Syd	$29.00	$3,306.00	$35.45	$4,041.30	$33.75	$3,847.50
44.	Driveway, Nonreinf Conc, 6 inch	42 Syd	$27.00	$1,134.00	$31.30	$1,314.60	$29.50	$1,239.00
45.	Stamped Concrete Pavers	10 Syd	$100.00	$1,000.00	$250.00	$2,500.00	$150.00	$1,500.00

Alternate A - Maintaining Traffic on Coolidge

	Item	Quantity	Six-S, Inc. 2210 Scott Lake Road Waterford, MI 48328 Unit Price	Total Cost	Florence Cement Co. 830 Kirts Blvd., Suite 100 Troy, MI 48084 Unit Price	Total Cost	Tiseo Brothers, Inc. 68660 Hillside, Washington Twp. Macomb, MI 48095 Unit Price	Total Cost
46.	Curb and Gutter, Conc, Det B1	4,438 Ft	$11.00	$48,818.00	$11.75	$52,146.50	$12.50	$55,475.00
47.	Curb and Gutter, Conc, Det F3	2,800 Ft	$9.00	$25,200.00	$8.85	$24,780.00	$9.60	$26,880.00
48.	Driveway Opening, Conc, Det M	430 Ft	$9.50	$4,085.00	$9.85	$4,235.50	$11.00	$4,730.00
49.	Sidewalk, Conc, 4 inch	7,394 Sft	$2.30	$17,006.20	$2.95	$21,812.30	$2.80	$20,703.20
50.	Sidewalk Ramp	378 Sft	$4.00	$1,512.00	$4.20	$1,587.60	$4.00	$1,512.00
51.	Curb, HMA	153 Ft	$20.00	$3,060.00	$4.00	$612.00	$10.00	$1,530.00
52.	Post, Mailbox	4 Ea	$140.98	$563.92	$127.00	$508.00	$100.00	$400.00
53.	Temporary Gang Mailbox Assembly	1 LS	$212.30	$212.30	$1,678.50	$1,678.50	$1,500.00	$1,500.00
54.	Post Hole Through Conc for Steel Post	2 Ea	$50.00	$100.00	$50.00	$100.00	$50.00	$100.00
55.	Post, Steel, 3 lb	196 Ft	$4.50	$882.00	$4.50	$882.00	$4.50	$882.00
56.	Sign, Type IIIB	90 Sft	$14.00	$1,260.00	$14.00	$1,260.00	$14.00	$1,260.00
57.	Sign, Type III, Erect, Salv	9 Ea	$50.00	$450.00	$50.00	$450.00	$50.00	$450.00
58.	Sign, Type III, Rem	24 Ea	$10.00	$240.00	$10.00	$240.00	$10.00	$240.00
59.	Pavt Mrkg, Ovly Cold Plastic, 6 inch, Crosswalk	507 Ft	$1.95	$988.65	$1.95	$988.65	$1.95	$988.65
60.	Pavt Mrkg, Ovly Cold Plastic, 24 inch, Crosswalk	240 Ft	$7.85	$1,884.00	$7.85	$1,884.00	$7.85	$1,884.00
61.	Pavt Mrkg, Ovly Cold Plastic, Lt Turn Arrow Sym	11 Ea	$75.00	$825.00	$75.00	$825.00	$75.00	$825.00
62.	Pavt Mrkg, Ovly Cold Plastic, Only	11 Ea	$80.00	$880.00	$80.00	$880.00	$80.00	$880.00
63.	Pavt Mrkg, Regular Dry, 4 inch, White	2,222 Ft	$0.09	$199.98	$0.09	$199.98	$0.09	$199.98
64.	Pavt Mrkg, Regular Dry, 4 inch, Yellow	3,524 Ft	$0.09	$317.16	$0.09	$317.16	$0.09	$317.16
65.	Pavt Mrkg, Regular Dry, 6 inch, White	140 Ft	$0.15	$21.00	$0.15	$21.00	$0.15	$21.00
66.	Pavt Mrkg, Regular Dry, 2nd Application, 4 inch, White	2,222 Ft	$0.05	$111.10	$0.05	$111.10	$0.05	$111.10
67.	Pavt Mrkg, Regular Dry, 2nd Application, 4 inch, Yellow	3,524 Ft	$0.05	$176.20	$0.05	$176.20	$0.05	$176.20
68.	Pavt Mrkg, Regular Dry, 2nd Application, 6 inch, White	188 Ft	$0.08	$15.04	$0.08	$15.04	$0.08	$15.04
69.	Rem Curing Compound, for Longit Mrkg	4,514 Ft	$0.30	$1,354.20	$0.30	$1,354.20	$0.30	$1,354.20
70.	Rem Curing Compound, for Spec Mrkg	1,400 Sft	$0.40	$560.00	$0.40	$560.00	$0.40	$560.00
71.	Lighted Arrow, Type C, Furn	8 Ea	$600.00	$4,800.00	$600.00	$4,800.00	$600.00	$4,800.00
72.	Minor Traf Devices	1 LS	$29,797.63	$29,797.63	$3,750.00	$3,750.00	$6,500.00	$6,500.00
73.	Part Width Intersection Construction	1 Ea	$636.00	$636.00	$1,116.00	$1,116.00	$3,500.00	$3,500.00
74.	Pavt Mrkg, Longit, 6 inch or Less Width, Rem	5,200 Ft	$0.40	$2,080.00	$0.40	$2,080.00	$0.40	$2,080.00
75.	Pavt Mrkg, Type NR, Paint, 4 inch, Yellow Temp	3,200 Ft	$0.35	$1,120.00	$0.35	$1,120.00	$0.35	$1,120.00
76.	Pavt Mrkg, Type R, 4 inch, White, Temp	4,168 Ft	$0.95	$3,959.60	$0.95	$3,959.60	$0.95	$3,959.60
77.	Pavt Mrkg, Type R, 4 inch, Yellow, Temp	12,268 Ft	$0.95	$11,654.60	$0.95	$11,654.60	$0.95	$11,654.60
78.	Barricade, Type III, High Intensity, Lighted	47 Ea	$90.00	$4,230.00	$90.00	$4,230.00	$90.00	$4,230.00
79.	Plastic Drum, High Intensity, Lighted, Furn	261 Ea	$25.00	$6,525.00	$25.00	$6,525.00	$25.00	$6,525.00
80.	Sign, Type B, Temp, Furn	2,088 Sft	$2.50	$5,220.00	$2.50	$5,220.00	$2.50	$5,220.00
81.	Seeding	74 Lb	$1.25	$92.50	$1.25	$92.50	$2.50	$185.00
82.	Mulch Blankets	4,385 Syd	$1.45	$6,358.25	$1.45	$6,358.25	$0.80	$3,508.00
83.	Fertilizer	930 Lb	$1.00	$930.00	$1.00	$930.00	$0.60	$558.00
84.	Sodding	5,200 Syd	$2.95	$15,340.00	$2.95	$15,340.00	$2.00	$10,400.00
85.	Topsoil Surface, Furn, 4 inch	9,585 Syd	$1.45	$13,898.25	$2.90	$27,796.50	$2.00	$19,170.00
86.	Water, Sodding/Seeding	186 Unit	$5.38	$1,000.68	$5.40	$1,004.40	$40.00	$7,440.00
87.	Conduit, DB, 1, 1-1/4 inch	20 Ft	$77.95	$1,559.00	$16.00	$320.00	$77.95	$1,559.00
88.	Conduit, DB, 3, 4 inch	18 Ft	$95.90	$1,726.20	$35.00	$630.00	$95.90	$1,726.20
89.	Cable, Sec, 600V, 1, 2/C#4	150 Ft	$4.15	$622.50	$4.00	$600.00	$4.15	$622.50
90.	Wood Pole, Rem	3 Ea	$256.00	$768.00 *	$375.00	$1,125.00	$256.50	$769.50
91.	Case Sign, One Way, 12 inch by 27 inch	8 Ea	$748.50	$5,988.00	$1,455.00	$11,640.00	$748.50	$5,988.00
92.	Case Sign, Rem	5 Ea	$180.00	$900.00	$150.00	$750.00	$180.00	$900.00

Alternate A - Maintaining Traffic on Coolidge

	Item	Quantity	Six-S, Inc. 2210 Scott Lake Road Waterford, MI 48328 Unit Price	Total Cost	Florence Cement Co. 830 Kirts Blvd., Suite 100 Troy, MI 48084 Unit Price	Total Cost	Tiseo Brothers, Inc. 68660 Hillside, Washington Twp. Macomb, MI 48095 Unit Price	Total Cost
93.	Controller and Cabinet, Rem	1 Ea	$308.00	$308.00	$400.00	$400.00	$308.00	$308.00
94.	Controller and Cabinet, Solid State Actuated	1 Ea	$936.00	$936.00	$800.00	$800.00	$936.00	$936.00
95.	Controller and Cabinet, Solid State Actuated, Delivered	1 Ea	$13,500.00	$13,500.00	$13,000.00	$13,000.00	$13,500.00	$13,500.00
96.	Controller Fdn, Base Mount	1 Ea	$628.00	$628.00	$900.00	$900.00	$628.00	$628.00
97.	Fdn, Rem	2 Ea	$240.00	$480.00	$350.00	$700.00	$240.00	$480.00
98.	Pushbutton and Sign	8 Ea	$583.00	$4,664.00	$700.00	$5,600.00	$583.00	$4,664.00
99.	Pushbutton, Rem	8 Ea	$205.00	$1,640.00	$150.00	$1,200.00	$205.00	$1,640.00
100.	Safety Switch	1 Ea	$1,100.00	$1,100.00	$1,700.00	$1,700.00	$1,100.00	$1,100.00
101.	Span Wire, Rem	1 Ea	$360.00	$360.00	$300.00	$300.00	$360.00	$360.00
102.	Steel Pole, Rem	1 Ea	$256.00	$256.00	$300.00	$300.00	$256.50	$256.50
103.	TS, Bracket Arm Mtd, Rem	4 Ea	$263.00	$1,052.00	$150.00	$600.00	$263.00	$1,052.00
104.	TS, Pedestrian, Bracket Arm Mtd, Rem	4 Ea	$263.00	$1,052.00	$200.00	$800.00	$263.00	$1,052.00
105.	TS, Span Wire Mtd, Rem	5 Ea	$236.00	$1,180.00	$250.00	$1,250.00	$236.00	$1,180.00
106.	Autoscope Camera (Solo Pro)	5 Ea	$1,000.00	$5,000.00	$650.00	$3,250.00	$1,000.00	$5,000.00
107.	Autoscope Camera Rem	4 Ea	$288.00	$1,152.00	$200.00	$800.00	$288.50	$1,154.00
108.	Bracket Arm, Clamp On, 18 feet	5 Ea	$868.00	$4,340.00	$1,000.00	$5,000.00	$868.50	$4,342.50
109.	Bracket Arm, Clamp On, Rem	4 Ea	$102.00	$408.00	$300.00	$1,200.00	$102.00	$408.00
110.	Controller and Cabinet, Salv	1 Ea	$2,036.00	$2,036.00	$1,100.00	$1,100.00	$2,036.00	$2,036.00
111.	PB, Pedestal Fdn, Rem	4 Ea	$235.00	$940.00	$300.00	$1,200.00	$235.00	$940.00
112.	PB, Pedestal, Rem	4 Ea	$51.50	$206.00	$150.00	$600.00	$51.50	$206.00
113.	TS, One Way Bracket Arm Mtd (LED)	4 Ea	$1,283.50	$5,134.00	$1,195.00	$4,780.00	$1,283.50	$5,134.00
114.	TS, One Way Span Wire Mtd (LED)	12 Ea	$1,360.50	$16,326.00	$1,195.00	$14,340.00	$1,360.50	$16,326.00
115.	TS, One Way Span Wire Mtd, RTGA (LED)	1 Ea	$610.00	$610.00	$495.00	$495.00	$610.00	$610.00
116.	TS, Pedestrian, Two Way Bracket Arm Mtd (LED)	4 Ea	$1,381.50	$5,526.00	$1,345.00	$5,380.00	$1,381.50	$5,526.00
117.	Optical Priority Control System	1 LS	$6,537.00	$6,537.00	$5,650.00	$5,650.00	$6,537.00	$6,537.00
118.	Road Commission for Oakland County Force Account Charges	$44,500.00 Dlr	$1.00	$44,500.00	$1.00	$44,500.00	$1.00	$44,500.00
119.	Monument Box, Adj	1 Ea	$351.62	$351.62	$112.50	$112.50	$150.00	$150.00
120.	Monument Preservation	1 Ea	$1,500.00	$1,500.00	$2,000.00	$2,000.00	$500.00	$500.00
121.	Fire Hydrant	3 Ea	$2,464.00	$7,392.00	$3,132.60	$9,397.80	$2,850.00	$8,550.00
122.	Gate Valve, 12 inch	2 Ea	$1,118.00	$2,236.00	$2,333.75	$4,667.50	$1,500.00	$3,000.00
123.	Gate Well, 6 feet	2 Ea	$2,765.00	$5,530.00	$3,419.90	$6,839.80	$2,500.00	$5,000.00
124.	Water Main, DI, 8 inch, CSB	8.5 Ft	$59.00	$501.50	$102.30	$869.55	$150.00	$1,275.00
125.	Water Main, DI, 12 inch, CSB	716 Ft	$65.00	$46,540.00	$83.50	$59,786.00	$104.00	$74,464.00
126.	Water Main Connection, 8 inch	1 Ea	$1,260.00	$1,260.00	$1,690.75	$1,690.75	$1,750.00	$1,750.00
127.	Water Main Connection, 12 inch	2 Ea	$1,953.00	$3,906.00	$1,777.65	$3,555.30	$2,200.00	$4,400.00
128.	Audio-Video Route Survey	1 Ea	$1,585.00	$1,585.00	$1,585.00	$1,585.00	$1,585.00	$1,585.00
129.	Clearing	38 Syd	$10.00	$380.00	$4.80	$182.40	$15.00	$570.00
130.	Transverse Contraction Joint, B	4,020 Ft	$1.67	$6,713.40	$1.75	$7,035.00	$0.15	$603.00
131.	Lane Tie, Epoxy Anchored	9,236 Ea	$0.01	$92.36	$0.01	$92.36	$1.00	$9,236.00
132.	Depressed Concrete Corrugated Divider	85 Ft	$5.95	$505.75	$3.00	$255.00	$50.00	$4,250.00
133.	Irragation Sleeves	336 Ft	$7.11	$2,388.96	$9.45	$3,175.20	$6.00	$2,016.00
134.	Field Office	5 Mn	$1,044.96	$5,224.80	$1,203.25	$6,016.25	$1,200.00	$6,000.00
135.	Temporary Blowoff Valve, 2 inch	2 Ea	$227.00	$454.00	$1,088.30	$2,176.60	$300.00	$600.00
136.	Inspection Crew Days	$380.00 Dys	155 Days	$58,900.00	121 Days	$45,980.00	120 Days	$45,600.00
	Subtotal			**$1,487,278.20** *		**$1,494,027.97** *		**$1,500,912.88**

Alternate A - Maintaining Traffic on Coolidge

			Six-S, Inc. 2210 Scott Lake Road Waterford, MI 48328		Florence Cement Co. 830 Kirts Blvd., Suite 100 Troy, MI 48084		Tiseo Brothers, Inc. 68660 Hillside, Washington Twp. Macomb, MI 48095
	Item	Quantity	Unit Price	Total Cost	Unit Price	Total Cost	Unit Price	Total Cost
	Concrete Overlay							
1.	Conc Pavt, Ovly, Finishing and Curing	709 Syd	$10.07	$7,139.63	$3.15	$2,233.35	$15.00	$10,635.00
2.	Conc Pavt, Ovly, Furnishing and Placing	80 Cyd	$111.46	$8,916.80	$240.00	$19,200.00	$130.00	$10,400.00
	Subtotal - Concrete Overlay			**$16,056.43**		**$21,433.35**		**$21,035.00**
	HMA Overlay							
1.	HMA, 3C	78 Ton	$79.00	$6,162.00	$81.50	$6,357.00	$105.00	$8,190.00
2.	HMA, 4C	78 Ton	$77.50	$6,045.00	$83.80	$6,536.40	$108.00	$8,424.00
	Subtotal - HMA Overlay			**$12,207.00**		**$12,893.40**		**$16,614.00**
	BASE BID - CONCRETE OVERLAY			**$1,503,334.63** *		**$1,515,461.32** *		**$1,521,947.88**
	BASE BID - HMA OVERLAY			**$1,499,485.20** *		**$1,506,921.37** *		**$1,517,526.88**

* Corrected By Engineer

Additional Bidders:	Base - Concrete	Base - HMA
Major Cement Co.	$1,599,918.99	$1,598,937.99
Angelo Iafrate Const. Co.	$1,720,871.56	$1,709,679.16
John Carlo, Inc.	$1,792,168.96	$1,777,352.96

ENGINEER:
Hubbell, Roth & Clark, Inc.
555 Hulet Drive
P.O. Box 824
Bloomfield Hills, MI 48083-0824

BID TABULATION
COOLIDGE HIGHWAY REALIGNMENT AT WATTLES ROAD
CITY OF TROY
OAKLAND COUNTY, MICHIGAN

Alternate A - Maintaining Traffic on Coolidge

	Item	Quantity	Major Cement Co. 15347 Park Detroit, MI 48219		Angelo Iafrate Const. Co. 26400 Sherwood Warren, MI 48091		John Carlo, Inc. 4500 River Ridge Dr., Suite 200 Clinton Township, MI 48038	
			Unit Price	Total Cost	Unit Price	Total Cost	Unit Price	Total Cost
1.	Mobilization, Max. $69,000	1 LS	$69,000.00	$69,000.00	$69,000.00	$69,000.00	$69,000.00	$69,000.00
2.	Tree, Rem, 6 inch to 18 inch	12 Ea	$250.00	$3,000.00	$350.00	$4,200.00	$300.00	$3,600.00
3.	Dr Structure, Rem	21 Ea	$300.00	$6,300.00	$290.00	$6,090.00	$280.00	$5,880.00
4.	Remove Hydrant	1 Ea	$700.00	$700.00	$1,060.00	$1,060.00	$850.00	$850.00
5.	Sewer, Rem, Less than 24 inch	314 Ft	$15.00	$4,710.00	$14.60	$4,584.40	$18.15	$5,699.10
6.	Curb and Gutter, Rem	2,441 Ft	$5.50	$13,425.50	$5.75	$14,035.75	$7.30	$17,819.30
7.	Pavt, Rem	14,062 Syd	$4.75	$66,794.50	$5.55	$78,044.10	$5.90	$82,965.80
8.	Sidewalk, Rem	757 Syd	$5.00	$3,785.00	$1.00	$757.00	$3.80	$2,876.60
9.	Embankment, CIP	3,183 Cyd	$5.00	$15,915.00	$9.40	$29,920.20	$8.90	$28,328.70
10.	Excavation, Earth	7,955 Cyd	$8.00	$63,640.00	$9.40	$74,777.00	$9.30	$73,981.50
11.	Granular Material, Cl II	70.7 Cyd	$10.00	$707.00	$100.00	$7,070.00	$62.25	$4,401.08
12.	Subgrade Undercutting, 1" x 3"	800 Cyd	$25.00	$20,000.00	$20.00	$16,000.00	$38.00	$30,400.00
13.	Subgrade Undercutting, 21AA	600 Cyd	$22.00	$13,200.00	$25.00	$15,000.00	$38.00	$22,800.00
14.	Geotextile Grid	1,200 Syd	$7.00	$8,400.00	$3.50	$4,200.00	$6.35	$7,620.00
15.	Erosion Control, Inlet Protection, Fabric Drop	52 Ea	$100.00	$5,200.00	$129.00	$6,708.00	$58.00	$3,016.00
16.	Erosion Control, Silt Fence	500 Ft	$2.00	$1,000.00	$2.30	$1,150.00	$1.75	$875.00
17.	Aggregate Base, 21AA Limestone, 8 inch	15,980 Syd	$5.25	$83,895.00	$6.70	$107,066.00	$6.40	$102,272.00
18.	Open-Graded Dr Cse (5G), 6 inch	12,687 Syd	$5.75	$72,950.25	$6.10	$77,390.70	$6.20	$78,659.40
19.	Geotextile Fabric Type NW8	25,374 Syd	$1.00	$25,374.00	$1.55	$39,329.70	$1.60	$40,598.40
20.	Maintenance Aggregate, LM	200 Cyd	$20.00	$4,000.00	$7.95	$1,590.00	$34.90	$6,980.00
21.	Sewer, Cl IV, 12 inch, Tr Det B	329 Ft	$46.00	$15,134.00	$55.80	$18,358.20	$53.20	$17,502.80
22.	Sewer, Cl IV, 15 inch, Tr Det B	23 Ft	$70.00	$1,610.00	$61.70	$1,419.10	$72.55	$1,668.65
23.	Dr Structure, 24 inch dia	13 Ea	$800.00	$10,400.00	$930.00	$12,090.00	$865.00	$11,245.00
24.	Dr Structure, 24 inch dia, Over Existing	2 Ea	$1,000.00	$2,000.00	$1,630.00	$3,260.00	$1,255.00	$2,510.00
25.	Dr Structure, 48 inch dia	4 Ea	$1,500.00	$6,000.00	$1,210.00	$4,840.00	$1,415.00	$5,660.00
26.	Dr Structure, 48 inch dia, Over Existing	7 Ea	$1,900.00	$13,300.00	$1,500.00	$10,500.00	$2,105.00	$14,735.00
27.	Dr Structure Cover	19,285 Lb	$1.00	$19,285.00	$1.05	$20,249.25	$1.10	$21,213.50
28.	Dr Structure Cover, Adj	22 Ea	$200.00	$4,400.00	$370.00	$8,140.00	$250.00	$5,500.00
29.	Dr Structure, Adj, Add Depth	4.19 Ft	$150.00	$628.50	$360.00	$1,508.40	$235.00	$984.65
30.	Rebuild Structure	20.3 Ft	$200.00	$4,060.00	$290.00	$5,887.00	$285.00	$5,785.50
31.	Dr Structure, Tap, 12 inch	6 Ea	$400.00	$2,400.00	$320.00	$1,920.00	$530.00	$3,180.00
32.	Dr Structure, Tap, 15 inch	1 Ea	$400.00	$400.00	$370.00	$370.00	$545.00	$545.00
33.	Sewer Tap, 12 inch	2 Ea	$400.00	$800.00	$320.00	$640.00	$870.00	$1,740.00
34.	Underdrain, Subgrade, 6 inch	5,467 Ft	$7.00	$38,269.00	$12.10	$66,150.70	$12.35	$67,517.45
35.	Cold Milling HMA Surface	684 Syd	$5.00	$3,420.00	$6.35	$4,343.40	$6.40	$4,377.60
36.	Pavt for Butt Joints, Rem	400 Syd	$7.00	$2,800.00	$12.60	$5,040.00	$8.30	$3,320.00
37.	Temporary HMA	774 Ton	$65.00	$50,310.00	$65.00	$50,310.00	$47.00	$36,378.00
38.	HMA Approach	12 Ton	$90.00	$1,080.00	$225.00	$2,700.00	$135.40	$1,624.80
39.	Conc Pavt, Nonreinf, 9 inch	4,879 Syd	$33.00	$161,007.00	$35.50	$173,204.50	$33.85	$165,154.15
40.	Conc Pavt, Misc, Nonreinf, 9 inch	5,084 Syd	$37.00	$188,108.00	$35.50	$180,482.00	$38.95	$198,021.80
41.	Pavt Gapping	140 Ft	$20.00	$2,800.00	$25.00	$3,500.00	$1.00	$140.00
42.	Conc Pavt with Int Curb, Misc, Nonreinf, 9 inch	168 Syd	$38.00	$6,384.00	$43.70	$7,341.60	$30.00	$5,040.00
43.	Conc Pavt with Int Curb, Misc, Nonreinf, 8 inch	114 Syd	$33.00	$3,762.00	$42.90	$4,890.60	$29.00	$3,306.00
44.	Driveway, Nonreinf Conc, 6 inch	42 Syd	$30.00	$1,260.00	$44.90	$1,885.80	$27.00	$1,134.00
45.	Stamped Concrete Pavers	10 Syd	$100.00	$1,000.00	$80.40	$804.00	$200.00	$2,000.00

Alternate A - Maintaining Traffic on Coolidge

	Major Cement Co. 15347 Park Detroit, MI 48219		Angelo Iafrate Const. Co. 26400 Sherwood Warren, MI 48091		John Carlo, Inc. 4500 River Ridge Dr., Suite 200 Clinton Township, MI 48038	
Item	Quantity	Unit Price	Total Cost	Unit Price	Total Cost	Unit Price	Total Cost
46. Curb and Gutter, Conc, Det B1	4,438 Ft	$12.00	$53,256.00	$13.50	$59,913.00	$11.50	$51,037.00
47. Curb and Gutter, Conc, Det F3	2,800 Ft	$10.00	$28,000.00	$10.60	$29,680.00	$9.50	$26,600.00
48. Driveway Opening, Conc, Det M	430 Ft	$13.00	$5,590.00	$15.20	$6,536.00	$9.50	$4,085.00
49. Sidewalk, Conc, 4 inch	7,394 Sft	$2.50	$18,485.00	$2.65	$19,594.10	$2.30	$17,006.20
50. Sidewalk Ramp	378 Sft	$3.00	$1,134.00	$4.70	$1,776.60	$4.00	$1,512.00
51. Curb, HMA	153 Ft	$8.00	$1,224.00	$5.00	$765.00	$20.00	$3,060.00
52. Post, Mailbox	4 Ea	$100.00	$400.00	$117.00	$468.00	$100.00	$400.00
53. Temporary Gang Mailbox Assembly	1 LS	$1,500.00	$1,500.00	$470.00	$470.00	$585.00	$585.00
54. Post Hole Through Conc for Steel Post	2 Ea	$50.00	$100.00	$50.00	$100.00	$50.00	$100.00
55. Post, Steel, 3 lb	196 Ft	$5.00	$980.00	$4.50	$882.00	$4.50	$882.00
56. Sign, Type IIIB	90 Sft	$14.00	$1,260.00	$14.00	$1,260.00	$14.00	$1,260.00
57. Sign, Type III, Erect, Salv	9 Ea	$50.00	$450.00	$50.00	$450.00	$50.00	$450.00
58. Sign, Type III, Rem	24 Ea	$10.00	$240.00	$10.00	$240.00	$10.00	$240.00
59. Pavt Mrkg, Ovly Cold Plastic, 6 inch, Crosswalk	507 Ft	$1.95	$988.65	$1.95	$988.65	$1.95	$988.65
60. Pavt Mrkg, Ovly Cold Plastic, 24 inch, Crosswalk	240 Ft	$8.00	$1,920.00	$7.85	$1,884.00	$7.85	$1,884.00
61. Pavt Mrkg, Ovly Cold Plastic, Lt Turn Arrow Sym	11 Ea	$75.00	$825.00	$75.00	$825.00	$75.00	$825.00
62. Pavt Mrkg, Ovly Cold Plastic, Only	11 Ea	$80.00	$880.00	$80.00	$880.00	$80.00	$880.00
63. Pavt Mrkg, Regular Dry, 4 inch, White	2,222 Ft	$0.10	$222.20	$0.10	$222.20	$0.09	$199.98
64. Pavt Mrkg, Regular Dry, 4 inch, Yellow	3,524 Ft	$0.10	$352.40	$0.10	$352.40	$0.09	$317.16
65. Pavt Mrkg, Regular Dry, 6 inch, White	140 Ft	$0.15	$21.00	$0.15	$21.00	$0.15	$21.00
66. Pavt Mrkg, Regular Dry, 2nd Application, 4 inch, White	2,222 Ft	$0.05	$111.10	$0.05	$111.10	$0.05	$111.10
67. Pavt Mrkg, Regular Dry, 2nd Application, 4 inch, Yellow	3,524 Ft	$0.05	$176.20	$0.05	$176.20	$0.05	$176.20
68. Pavt Mrkg, Regular Dry, 2nd Application, 6 inch, White	188 Ft	$0.08	$15.04	$0.10	$18.80	$0.08	$15.04
69. Rem Curing Compound, for Longit Mrkg	4,514 Ft	$0.30	$1,354.20	$0.30	$1,354.20	$0.30	$1,354.20
70. Rem Curing Compound, for Spec Mrkg	1,400 Sft	$0.40	$560.00	$0.40	$560.00	$0.40	$560.00
71. Lighted Arrow, Type C, Furn	8 Ea	$600.00	$4,800.00	$500.00	$4,000.00	$600.00	$4,800.00
72. Minor Traf Devices	1 LS	$3,750.00	$3,750.00	$71,500.00	$71,500.00	$60,300.00	$60,300.00
73. Part Width Intersection Construction	1 Ea	$5,000.00	$5,000.00	$7.00	$7.00	$5,800.00	$5,800.00
74. Pavt Mrkg, Longit, 6 inch or Less Width, Rem	5,200 Ft	$0.40	$2,080.00	$0.40	$2,080.00	$0.40	$2,080.00
75. Pavt Mrkg, Type NR, Paint, 4 inch, Yellow Temp	3,200 Ft	$0.35	$1,120.00	$0.35	$1,120.00	$0.35	$1,120.00
76. Pavt Mrkg, Type R, 4 inch, White, Temp	4,168 Ft	$0.95	$3,959.60	$0.95	$3,959.60	$0.95	$3,959.60
77. Pavt Mrkg, Type R, 4 inch, Yellow, Temp	12,268 Ft	$0.95	$11,654.60	$0.95	$11,654.60	$0.95	$11,654.60
78. Barricade, Type III, High Intensity, Lighted	47 Ea	$90.00	$4,230.00	$90.00	$4,230.00	$90.00	$4,230.00
79. Plastic Drum, High Intensity, Lighted, Furn	261 Ea	$25.00	$6,525.00	$25.00	$6,525.00	$25.00	$6,525.00
80. Sign, Type B, Temp, Furn	2,088 Sft	$2.50	$5,220.00	$2.50	$5,220.00	$2.50	$5,220.00
81. Seeding	74 Lb	$3.00	$222.00	$1.25	$92.50	$7.50	$555.00
82. Mulch Blankets	4,385 Syd	$1.00	$4,385.00	$1.45	$6,358.25	$0.85	$3,727.25
83. Fertilizer	930 Lb	$1.00	$930.00	$1.00	$930.00	$2.75	$2,557.50
84. Sodding	5,200 Syd	$2.25	$11,700.00	$2.95	$15,340.00	$4.00	$20,800.00
85. Topsoil Surface, Furn, 4 inch	9,585 Syd	$2.25	$21,566.25	$1.45	$13,898.25	$3.00	$28,755.00
86. Water, Sodding/Seeding	186 Unit	$40.00	$7,440.00	$5.40	$1,004.40	$50.00	$9,300.00
87. Conduit, DB, 1, 1-1/4 inch	20 Ft	$78.00	$1,560.00	$78.00	$1,560.00	$77.95	$1,559.00
88. Conduit, DB, 3, 4 inch	18 Ft	$96.00	$1,728.00	$95.90	$1,726.20	$95.90	$1,726.20
89. Cable, Sec, 600V, 1, 2/C#4	150 Ft	$4.50	$675.00	$4.15	$622.50	$4.15	$622.50
90. Wood Pole, Rem	3 Ea	$257.00	$771.00	$260.00	$780.00	$256.50	$769.50
91. Case Sign, One Way, 12 inch by 27 inch	8 Ea	$750.00	$6,000.00	$750.00	$6,000.00	$748.50	$5,988.00
92. Case Sign, Rem	5 Ea	$180.00	$900.00	$180.00	$900.00	$180.00	$900.00

Alternate A - Maintaining Traffic on Coolidge

	Item	Quantity	Major Cement Co. 15347 Park Detroit, MI 48219		Angelo Iafrate Const. Co. 26400 Sherwood Warren, MI 48091		John Carlo, Inc. 4500 River Ridge Dr., Suite 200 Clinton Township, MI 48038	
			Unit Price	Total Cost	Unit Price	Total Cost	Unit Price	Total Cost
93.	Controller and Cabinet, Rem	1 Ea	$310.00	$310.00	$310.00	$310.00	$308.00	$308.00
94.	Controller and Cabinet, Solid State Actuated	1 Ea	$950.00	$950.00	$940.00	$940.00	$936.00	$936.00
95.	Controller and Cabinet, Solid State Actuated, Delivered	1 Ea	$13,500.00	$13,500.00	$13,500.00	$13,500.00	$13,500.00	$13,500.00
96.	Controller Fdn, Base Mount	1 Ea	$630.00	$630.00	$630.00	$630.00	$628.00	$628.00
97.	Fdn, Rem	2 Ea	$250.00	$500.00	$240.00	$480.00	$240.00	$480.00
98.	Pushbutton and Sign	8 Ea	$600.00	$4,800.00	$580.00	$4,640.00	$583.00	$4,664.00
99.	Pushbutton, Rem	8 Ea	$205.00	$1,640.00	$205.00	$1,640.00	$205.00	$1,640.00
100.	Safety Switch	1 Ea	$1,500.00	$1,500.00	$1,100.00	$1,100.00	$1,100.00	$1,100.00
101.	Span Wire, Rem	1 Ea	$400.00	$400.00	$360.00	$360.00	$360.00	$360.00
102.	Steel Pole, Rem	1 Ea	$275.00	$275.00	$260.00	$260.00	$256.50	$256.50
103.	TS, Bracket Arm Mtd, Rem	4 Ea	$275.00	$1,100.00	$260.00	$1,040.00	$263.00	$1,052.00
104.	TS, Pedestrian, Bracket Arm Mtd, Rem	4 Ea	$275.00	$1,100.00	$260.00	$1,040.00	$263.00	$1,052.00
105.	TS, Span Wire Mtd, Rem	5 Ea	$250.00	$1,250.00	$236.00	$1,180.00	$236.00	$1,180.00
106.	Autoscope Camera (Solo Pro)	5 Ea	$1,000.00	$5,000.00	$1,000.00	$5,000.00	$1,000.00	$5,000.00
107.	Autoscope Camera Rem	4 Ea	$300.00	$1,200.00	$290.00	$1,160.00	$288.50	$1,154.00
108.	Bracket Arm, Clamp On, 18 feet	5 Ea	$900.00	$4,500.00	$870.00	$4,350.00	$868.50	$4,342.50
109.	Bracket Arm, Clamp On, Rem	4 Ea	$110.00	$440.00	$102.00	$408.00	$102.00	$408.00
110.	Controller and Cabinet, Salv	1 Ea	$2,100.00	$2,100.00	$2,040.00	$2,040.00	$2,036.00	$2,036.00
111.	PB, Pedestal Fdn, Rem	4 Ea	$250.00	$1,000.00	$235.00	$940.00	$235.00	$940.00
112.	PB, Pedestal, Rem	4 Ea	$55.00	$220.00	$51.50	$206.00	$51.50	$206.00
113.	TS, One Way Bracket Arm Mtd (LED)	4 Ea	$1,290.00	$5,160.00	$1,280.00	$5,120.00	$1,283.50	$5,134.00
114.	TS, One Way Span Wire Mtd (LED)	12 Ea	$1,400.00	$16,800.00	$1,360.00	$16,320.00	$1,360.50	$16,326.00
115.	TS, One Way Span Wire Mtd, RTGA (LED)	1 Ea	$650.00	$650.00	$610.00	$610.00	$610.00	$610.00
116.	TS, Pedestrian, Two Way Bracket Arm Mtd (LED)	4 Ea	$1,400.00	$5,600.00	$1,380.00	$5,520.00	$1,381.50	$5,526.00
117.	Optical Priority Control System	1 LS	$6,800.00	$6,800.00	$6,540.00	$6,540.00	$6,537.00	$6,537.00
118.	Road Commission for Oakland County Force Account Charges	$44,500.00 Dlr	$1.00	$44,500.00	$1.00	$44,500.00	$1.00	$44,500.00
119.	Monument Box, Adj	1 Ea	$100.00	$100.00	$223.00	$223.00	$285.00	$285.00
120.	Monument Preservation	1 Ea	$750.00	$750.00	$630.00	$630.00	$1,000.00	$1,000.00
121.	Fire Hydrant	3 Ea	$2,700.00	$8,100.00	$3,500.00	$10,500.00	$2,200.00	$6,600.00
122.	Gate Valve, 12 inch	2 Ea	$3,000.00	$6,000.00	$1,600.00	$3,200.00	$1,545.00	$3,090.00
123.	Gate Well, 6 feet	2 Ea	$2,000.00	$4,000.00	$2,220.00	$4,440.00	$2,055.00	$4,110.00
124.	Water Main, DI, 8 inch, CSB	8.5 Ft	$120.00	$1,020.00	$77.90	$662.15	$93.80	$797.30
125.	Water Main, DI, 12 inch, CSB	716 Ft	$80.00	$57,280.00	$72.70	$52,053.20	$70.15	$50,227.40
126.	Water Main Connection, 8 inch	1 Ea	$1,500.00	$1,500.00	$2,910.00	$2,910.00	$1,445.00	$1,445.00
127.	Water Main Connection, 12 inch	2 Ea	$1,500.00	$3,000.00	$1,770.00	$3,540.00	$1,585.00	$3,170.00
128.	Audio-Video Route Survey	1 Ea	$1,700.00	$1,700.00	$1,590.00	$1,590.00	$1,585.00	$1,585.00
129.	Clearing	38 Syd	$75.00	$2,850.00	$23.90	$908.20	$100.00	$3,800.00
130.	Transverse Contraction Joint, B	4,020 Ft	$1.75	$7,035.00	$1.25	$5,025.00	$4.65	$18,693.00
131.	Lane Tie, Epoxy Anchored	9,236 Ea	$5.50	$50,798.00	$0.01	$92.36	$0.60	$5,541.60
132.	Depressed Concrete Corrugated Divider	85 Ft	$75.00	$6,375.00	$16.50	$1,402.50	$10.00	$850.00
133.	Irragation Sleeves	336 Ft	$5.00	$1,680.00	$12.30	$4,132.80	$9.20	$3,091.20
134.	Field Office	5 Mn	$1,250.00	$6,250.00	$1,230.00	$6,150.00	$1,400.00	$7,000.00
135.	Temporary Blowoff Valve, 2 inch	2 Ea	$350.00	$700.00	$830.00	$1,660.00	$1,085.00	$2,170.00
136.	Inspection Crew Days	$380.00 Dys	120 Days	$45,600.00	103 Days	$39,140.00	171 Days	$64,980.00
	Subtotal			**$1,575,537.99**		**$1,694,937.16**		**$1,764,716.96**

Alternate A - Maintaining Traffic on Coolidge

	Item	Quantity	Major Cement Co. 15347 Park Detroit, MI 48219		Angelo Iafrate Const. Co. 26400 Sherwood Warren, MI 48091		John Carlo, Inc. 4500 River Ridge Dr., Suite 200 Clinton Township, MI 48038	
			Unit Price	Total Cost	Unit Price	Total Cost	Unit Price	Total Cost
	Concrete Overlay							
1.	Conc Pavt, Ovly, Finishing and Curing	709 Syd	$9.00	$6,381.00	$1.60	$1,134.40	$28.00	$19,852.00
2.	Conc Pavt, Ovly, Furnishing and Placing	80 Cyd	$225.00	$18,000.00	$310.00	$24,800.00	$95.00	$7,600.00
	Subtotal - Concrete Overlay			**$24,381.00**		**$25,934.40**		**$27,452.00**
	HMA Overlay							
1.	HMA, 3C	78 Ton	$150.00	$11,700.00	$93.00	$7,254.00	$80.00	$6,240.00
2.	HMA, 4C	78 Ton	$150.00	$11,700.00	$96.00	$7,488.00	$82.00	$6,396.00
	Subtotal - HMA Overlay			**$23,400.00**		**$14,742.00**		**$12,636.00**
	BASE BID - CONCRETE OVERLAY			**$1,599,918.99**		**$1,720,871.56** *		**$1,792,168.96**
	BASE BID - HMA OVERLAY			**$1,598,937.99**		**$1,709,679.16**		**$1,777,352.96**

* Corrected By Engineer

Additional Bidders:
Major Cement Co.
Angelo Iafrate Const. Co.
John Carlo, Inc.

ENGINEER:
Hubbell, Roth & Clark, Inc.
555 Hulet Drive
P.O. Box 824
Bloomfield Hills, MI 48083-0824

PRINCIPALS
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Thomas E. Biehl
Walter H. Alix
George E. Hubbell
Peter T. Roth
Michael D. Waring
Keith D. McCormack
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CHIEF FINANCIAL OFFICER
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Frederick C. Navarre
Gary J. Tressel
Lawrence R. Ancypa
Kenneth A. Melchior
Dennis M. Monsere
Randal L. Ford
David P. Wilcox
Timothy H. Sullivan

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HRC
HUBBELL, ROTH & CLARK, INC.

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Margaret Synk Kuhn
William R. Davis
James J. Aiello
Daniel W. Mitchell
Jesse B. VanDeCreek
Robert F. DeFrain
Marshall J. Grazioli
Thomas D. LaCross

April 30, 2005

City of Troy
500 W. Big Beaver
Troy, Michigan 48084

Attention: William Huotari, P.E. –Deputy City Engineer

Re: Recommendation for Contract Award
Coolidge Highway Reconstruction at Wattles Road

HRC Job No. 20040801.07

Dear Mr. Huotari:

We have reviewed the bids received on Thursday April 28, 2005 for the above-mentioned project. Twenty five (25) contractors purchased Plans and Specifications, and six (6) contractors submitted bids for the project. The low bidder for both Alternate A and B, and both concrete overlay and HMA (bituminous) overlay is Six-S, Inc of Waterford, Michigan. Below is a table comparing the low bid with the Engineer's Estimate for the different alternatives.

	Alternate A		**Alternate B**	
	Conc. Overlay	HMA Overlay	Conc. Overlay	HMA Overlay
Engineer's	$1,602,008.30	$1,592,357.30	$1,411,869.00	$1,402,218.00
Six-S	$1,503,334.63	$1,499,485.20	$1,242,223.51	$1,240,017.93

The low bid ranges from 6.2% to 13.6% below the Engineer's Estimate. It is our recommendation to award Alternate B with the concrete overlay. This alternate, which constructs the project under a full road closure, will not only save the City approximately $250,000 but will allow the Contractor to complete the road work and have it back open to traffic approximately six (6) weeks sooner than Alternate A. We would also recommend the concrete overlay versus the HMA because for the small investment of approximately $2200 the City's intersection would not experience rutting and pushing of the HMA surface that is typical at intersections built with this material. In addition the concrete intersection should, if properly maintained, retain a higher ride quality for a longer period of time than the HMA.

This office has worked with Six-S, Inc in the past, and based on our experience with them, find their workmanship and contract administration acceptable.

Corporate Office: 555 Hulet Drive • P.O. Box 824 • Bloomfield Hills, MI 48303-0824 (Mailing – P.O. Box) – 48302-0360 (UPS Zip)
Telephone: (248) 454-6300 • FAX: (248) 338-2592 or (248) 454-6312 • www.hrc-engr.com

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Based on the bid submitted as well as past experience with the contractor, this office recommends that the City award the contract for Alternate B with the Concrete Overlay for Coolidge Highway Reconstruction to Six-S, Inc.

If you have any questions or require any additional information, please contact our office.

Very truly yours,

HUBBELL, ROTH & CLARK, INC.

Nancy M.D. Faught

Nancy M.D. Faught, P.E.
Associate

NMF/nmf
pc: City of Troy, S. Vandette
HRC, W. Alix, M. MacDonald, J. Nelson, D. Wilcox, File

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