



CITY COUNCIL ACTION REPORT

November 17, 2008

TO: Phillip L. Nelson, City Manager

FROM: John M. Lamerato, Asst. City Manager/Finance & Administration
 Brian P. Murphy, Asst. City Manager/Economic Development Services
 Steven J. Vandette, City Engineer *SV*

SUBJECT: Agenda Item – Second Amendment to Preliminary Engineering Agreement – Wattles Road, 1,000' East and West of Rochester Road Project No. 01.106.5

Background:

- By Resolution #2002-01-006-E-8b, the City entered into a Contract with MDOT for preliminary engineering of Wattles Road, 1,000' east and west of Rochester Road to be completed by Hubbell, Roth & Clark, Inc. (HRC) for \$109,440.98.
- By Resolution #2006-01-004-E-9, a Contract Amendment was approved for an additional scope of services that brought the preliminary engineering to \$144,806.44.
- The Second Amendment would increase the scope of services by \$39,224.54 for a total design cost of \$184,030.98 and is detailed in the supporting documentation which can be summarized by the following three categories:
 - Additional Traffic Items
 - Project Schedule Change
 - Changes in Scope
- HRC was selected to provide the design services for the project based on MDOT's Qualifications Based Selection (QBS) whereby professional services are awarded based on qualifications. Price is negotiated after a selection has been made.
- As this is an amendment to a federally funded project, MDOT Local Agency Programs Unit and MDOT Commission Audit have reviewed and approved the amendment subject to approval and execution by the city.
- Although MDOT has approved the agreement, the preliminary engineering phase is capped at the original amount obligated and any increase becomes the local agencies share.
- Increases to federally funded projects are considered for funding by the Oakland County Funding Committee of which Troy is a voting member. However, the funding committee does not consider requests for additional costs for the preliminary engineering phase. Additionally, the committee is considering not funding preliminary engineering phases on projects in the future to try and stretch available funds.
- The city has accepted significantly less federal funds in the past for the preliminary engineering phase on other major road projects just to get initial funding approved and become a "next phase" project. This strategy typically brings significantly higher federal funds in the right-of-way and construction phases down the road.
- The term "next phase" refers to a project that has received funding for a previous phase (i.e. preliminary engineering or right-of-way). Once a project has been approved by the Funding

Committee and received funding for a phase, it is moved into the "next phase" category and is considered for future funding before new projects are considered. More or less, a first in first out process.

- Troy has used this process to acquire federal funds for "next phase" projects on most all of our projects as the design phase is a relatively small cost compared to the right-of-way and construction phases that are funded down the road.
- This approach has been critical in our success in securing and receiving federal funds for major road projects in Troy which now exceeds \$100,000,000 and has put us at the front of the line for next phases on Rochester Road, John R, Livernois and Dequindre Roads totaling additional federal funds in excess of \$33,000,000.
- We are currently acquiring right-of-way for the Wattles Road project in order that utility relocations may begin in late winter 2009 and be completed prior to the start of the construction phase. The right-of-way phase is funded based on an estimated cost of \$2,000,000 with \$1,600,000 of this amount paid with federal funds.
- The construction phase of the project is anticipated to start in early 2010. The construction phase is funded based on an estimated cost of \$2,753,000 with \$2,175,000 paid with federal funds.
- Rochester Road, Torpey to Barclay has been combined with the Wattles Road project so that they will bid as one large contract and will be constructed at the same time.
- There is a separate agenda item covering a request for a separate amendment to the Rochester Road project.

Financial Considerations:

- Traditionally, preliminary engineering is estimated at 8% to 10% of the estimated construction cost, depending on the size and complexity of the project. Comparing the amended design fee of \$184,030.98 to the estimated construction cost of \$2,753,000 yields a design fee percentage of 6.7%.
- Capital Funds are available in the 2008-09 budget, Major Road fund account #401.447.479.7989.011065.

Legal Considerations:

- The format and content of this Second Amendment is consistent with the original contract and the First Amendment, both previously approved by City Council.

Policy Considerations:

- Troy has enhanced the health and safety of the community (Goal I)
- Troy adds value to properties through maintenance or upgrades of infrastructure and quality of life venues (Goal II).

Options:

- Staff recommends that City Council approve the attached Second Amendment to Contract No. 01-5477/S1 with Hubbell, Roth & Clark, Inc. (HRC) for preliminary engineering services required in connection with the reconstruction of Wattles Road, 1,000' east and west of Rochester Road. Furthermore, staff recommends that the Mayor and City Clerk be authorized to execute the agreements.



STATE OF MICHIGAN
DEPARTMENT OF TRANSPORTATION
LANSING

JENNIFER M. GRANHOLM
GOVERNOR

KIRK T. STEUDLE
DIRECTOR

November 12, 2008

Mr. Bill Houtari
City of Troy
500 W. Big Beaver Road
Troy, Michigan 48084-5285

Dear Bill Houtari:

STU 63459, 49885C, STP 0163(062), HH 2948
MDOT Third Party Agreement No. 01-5477/S1/A2
Wattles Road 1000 feet East and West of Rochester Road,
City of Troy, Oakland County

The Local Agency Programs Unit of the Michigan Department of Transportation approved Amendment #2 to the subject agreement on November 10, 2008. Enclosed are three copies of the said agreement to be executed by the City of Troy.

Please enter the project numbers and the date of execution in the indicated spaces on Page 1 of the agreement and return one copy of the agreement to the Local Agency Programs Unit. Please be sure the title and signature lines are completed on these forms.

Sincerely,

Brent Schriner, P.E.
Urban Staff Engineer
Local Agency Programs

Enclosures

RECEIVED

NOV 14 2008

ENGINEERING

SUBCONTRACT APPROVAL

DISTRIBUTION: WHITE - Approval Process CANARY - Requester

CONTRACT NUMBER

01-5477/S1/A2

MDOT

BUREAU Highway Development	DIVISION Design	ORG. CODE
BUREAU CONTACT PERSON Brent M. Schriener, P.E.		PHONE NO. (517) 241-2911

PRIME CONTRACT

PRIME CONTRACTOR City of Troy

PURPOSE OF PRIME CONTRACT

Amendment #2 for a 3rd Party Agreement for PE Phase for Wattles Rd, east and west of Rochester

STU 63459-49885C

TERM OF PRIME CONTRACT BEGINNING DATE: 09/07/01 ENDING DATE:	AMOUNT OF PRIME CONTRACT \$ 80,000.00
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SUBCONTRACT

SUBCONTRACTOR Hubbell, Roth, & Clark	ARE THERE PREVIOUS SUBCONTRACTS WITH THIS PRIME? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO (If Yes, list Subcontract number, Contractor and amount on attached sheets.)
PURPOSE OF SUBCONTRACT Design - Preliminary Engineering	
All subcontract costs over \$80k will be 100% local.	

TERM OF SUB CONTRACT BEGINNING DATE: 09/07/01 ENDING DATE:	AMOUNT OF SUBCONTRACT \$ 184,030.98
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REQUESTOR

REQUIRED APPROVAL DATE asap	REASON FOR REQUIRED APPROVAL DATE continue PE work
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I have reviewed the terms of the subcontract and am satisfied that it complies with all the terms and conditions of the prime contract.

CONTRACT ADMINISTRATOR (Signature) <i>William C Stonebrook</i>	PHONE # 3-2281	DATE 11-6-08
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REVIEW COMPLETED

COMMISSION AUDIT (Signature) <i>Linda S Shepard</i>	DATE 11/7/08
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APPROVED

DEPUTY DIRECTOR - BUREAU OF FINANCE (Signature) <i>[Signature]</i>	DATE 11/10/08
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NEED: FHWA FAA OTHER: _____

**SECOND AMENDMENT to PE AGREEMENT #01-5477/S1
WATTLES, EAST and WEST of ROCHESTER**

City of Troy – Hubbell, Roth & Clark, Inc.

**MDOT Job No. 49885
Troy Project No. 01.106.5**

This agreement made and entered into this _____ day of _____, 20____, by and between Hubbell, Roth & Clark, Inc., a Michigan Corporation, hereinafter referred to as the CONSULTANT, and the City of Troy, hereinafter referred to as the CITY, provides as follows:

WHEREAS, the CONSULTANT and the CITY, entered into Agreement No. 01-5477/S1, dated February 15, 2002 ("the Agreement") for the performance of certain Preliminary Engineering services required in connection with the reconstruction of Wattles Road, East and West of Rochester Road, hereinafter referred to as the PROJECT; and

WHEREAS, subsequent to execution of the Agreement it was determined that additional SERVICES are required related to changes in the scope, additional traffic items and project schedule changes; and

WHEREAS, subconsultant Mansell Associates, Inc., hereinafter referred to as the SUBCONSULTANT, has provided detailed itemization of additional hours expended due to the additional traffic signal items; and

WHEREAS, the parties hereto intend to amend the Agreement to incorporate the additional services required due to changes in the scope, additional traffic items and project schedule changes.

NOW, THEREFORE, it is agreed between the parties to amend the Agreement as follows:

1. SECOND AMENDMENT SERVICES

In addition to the services set forth in the Agreement, the CONSULTANT shall perform the SERVICES set forth in the Second Amendment Exhibit A, attached hereto.

The additional costs for the SERVICES, as set forth in the Second Amendment Exhibit B is Thirty Nine Thousand Two Hundred Twenty Four Dollars and Fifty Four Cents. (\$39,224.54).

The amount of fixed fee contained within the total amount of Thirty Nine Thousand Two Hundred Twenty Four Dollars and Fifty Four Cents. (\$39,224.54) is Four Thousand One Hundred Thirty Three Dollars and Eighty Six Cents (\$4,133.86).

2. MAXIMUM AGREEMENT AMOUNT PAYABLE

The not-to-exceed fee , as amended by the First Amendment, is amended by the Second Amendment to provide that the not-to-exceed fee amount payable is increased by Thirty Nine Thousand Two Hundred Twenty Four Dollars and Fifty Four Cents (\$39,224.54) to a total not-to-exceed fee of One Hundred Eighty Four Thousand Thirty Dollars and Ninety Eight Cents (\$184,030.98).

The fixed fee, as amended by the First Amendment, is amended by the Second Amendment to provide that the fixed fee amount payable is increased by Four Thousand One Hundred Thirty Three Dollars and Eighty Six Cents (\$4,133.86) to a total fixed fee of Twenty Two Thousand Five Hundred One Dollars and Forty Four Cents (\$22,501.44).

3. CONTINUATION OF REMAINING PROVISIONS

Except as specifically set forth herein all terms and provisions of the Agreement and attachments and exhibits remain as originally set forth thereon.

IN WITNESS WHEREOF, the parties hereto have set their hands and seals by their duly authorized agents and representatives the day and year first above written.

HUBBELL, ROTH & CLARK, INC.

By Walter N. Clark

Its Vice Pres.

CITY OF TROY

By _____
Louise Schilling

Its Mayor

By _____
Tonni L. Bartholomew

Its City Clerk

Second Amendment to PE Agreement No. 01-5477/S1

Exhibit A

Wattles, East and West of Rochester
City of Troy – Hubbell, Roth & Clark, Inc.

MDOT Job No. 49885
Troy Project No. 01.106.5

AMENDED PROJECT SCOPE SUMMARY EXHIBIT

The project scope is amended to include changes in the scope, additional traffic items and project schedule changes, as detailed below:

1. Changes in Scope
 - a. Additional Topographic Survey
 - b. Redesign Sidewalk Ramps
 - c. Preparing Right-of-Way (ROW) Documents
 - d. Utility Relocation Assistance
 - e. Water Main & Sanitary Sewer Design
2. Additional Traffic Items
 - a. Traffic Engineering Assistance
 - b. Additional Traffic Signal Design
3. Project Schedule Change
 - a. Completing Work Later than Proposed
 - b. Plan Revisions for MDOT Standards
 - c. Combining Wattles and Rochester

Second Amendment to PE Agreement No. 01-5477/S1

Exhibit B

Wattles, East and West of Rochester
City of Troy – Hubbell, Roth & Clark, Inc.

MDOT Job No. 49885
Troy Project No. 01.106.5

AMENDED PROJECT COST SUMMARY EXHIBIT		
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	Total Not-to-Exceed Fee	Fixed Fee
Original Preliminary Engineering Agreement	\$109,440.98	\$13,775.09
First Amendment	\$35,365.46	\$4,592.49
Second Amendment	\$39,224.54	\$4,133.86
AMENDED TOTAL AGREEMENT	\$184,030.98	\$22,501.44



HUBBELL, ROTH & CLARK, INC
Consulting Engineers

Principals
George E. Hubbell
Thomas E. Biehl
Walter H. Alix
Peter T. Roth
Michael D. Waring
Keith D. McCormack
Curt A. Christeson
Thomas M. Doran

Senior Associates
Frederick C. Navarre
Gary J. Trassel
Lawrence R. Ancypa
Kenneth A. Melchior
Dennis M. Monsere
Randal L. Ford
David P. Wilcox
Timothy H. Sullivan

Chief Financial Officer
J. Bruce McFarland

Associates
Thomas G. Maxwell
Nancy M.D. Faught
Jonathan E. Booth
Michael C. MacDonald
Marvin A. Olane
Richard F. Beaubien
William R. Davis
Daniel W. Mitchell
Jesse B. VanDeCreek
Robert F. DeFrain
Marshall J. Grazioli
Thomas D. LaCross

October 3, 2008

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

Attn: William Huotari, P.E.

Re: Wattles Road at Rochester Road
Amendment No. 2 Request for Preliminary Engineering

HRC Job No. 20010397

Dear Mr. Huotari

At this time Hubbell, Roth & Clark, Inc. is requesting additional compensation for additional work that was not included in the original scope of our contract. This work can be broken down into 3 categories and are described below. Attached is a spreadsheet indicating person hours and costs for each of these categories.

1. Changes to the Scope

- a. HRC provided additional topographic survey at the following locations:
 - At all streets corners with proposed sidewalk ramps so design could adhere to ADA requirements.
- b. Due to ADA requirements that are new since our original contract all ramps had to be resurveyed and redesigned. Topographic survey work is under the above item and this work includes the redesign of all ramps. Part of the cost for this item is included in our second amendment request for Rochester Road, Torpey to Barclay.
- c. The City asked HRC to prepare all right of way documents needed for this project and this was not part of our original scope of work. The project required a total of 15 parcel descriptions for right-of-way or easement needs. We have completed all work for this task.
- d. In the original contract HRC anticipated meeting, corresponding and minor design discussions with the utility companies however per the utility meeting held on February 22, 2008 HRC was requested to assist in identifying the actual location for these private utilities to be relocated to. This additional work is also due to the fact that MDOT and the FHWA, since the date of the original contract, have required that the local agencies have private utilities relocated completely prior to construction beginning on the road. This additional task is a substantial amount of work based on the physical items currently existing, and proposed, within this road corridor. Work includes an engineer to horizontally, and vertically if applicable, locate these utilities. In addition cad technicians will assist in this process which will include additional design meetings with each utility company, revisions to proposed locations and possible revisions to HRC design of the

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555 Hulet Drive, PO Box 824
Bloomfield Hills, Michigan 48303-0824
Telephone 248 454 6300 Fax 248 454 6312
www.hrc-engr.com

Engineering. Environment. Excellence.

City's project. Part of the cost for this item is included in our second amendment request for Rochester Road, Torpey to Barclay.

- e. As part of our original scope of work HRC was to evaluate the existing municipal utilities, assist the City in recommendations for upgrades or reconstructions. A 12" water main is currently proposed, and designed, along Wattles Road from Rochester Road to approximately 900 feet east which was not included in the original scope of work.

2. Additional Traffic Items

- a. In 2001 HRC counted and analyzed peak hour turning movements at the intersection of Wattles and Rochester Roads. This information assisted in the design of the intersection. Work for this included conducting the field counts, correspondence with the City Traffic Engineer and assisting in the design. Part of the cost for this item is included in our second amendment request for Rochester Road, Torpey to Barclay.
- b. There have been numerous requirement changes for signals and pedestrian signals since the date of the original contract. Mansell Associates will be doing the design of the signals but coordination with our sub consultant and the Road Commission for Oakland County will require additional effort by HRC including pedestrian signal locations and revising plan drawings. Part of the cost for this item is included in our second amendment request for Rochester Road, Torpey to Barclay.

3. Project Schedule Change

- a. The original contract schedule, as submitted in our proposal, indicated that substantially completed preliminary plans were to be done in the years 2000 and 2001. Though the plans were substantially complete, the construction phase was not funded at that time. Final plan completion was delayed to allow for updating, to current standards, near the anticipated time of construction. Significant work has been done following 2001 at a higher cost to accommodate the actual construction phase which was finally funded in 2010. Part of the cost for this item is included in our second amendment request for Rochester Road, Torpey to Barclay.
- b. Since HRC started these plans, in the year 2000, MDOT has had many changes to pay items, specifications, and plan development requirements. The cost to convert these plans from metric units to english was covered in Amendment No. 1. Changes include more detailed ROW plans, changes in how quantities are shown on the plans, more detailed typical sections, soil erosion standards have changed and general changes and updates that occur at MDOT. Part of the cost for this item is included in our second amendment request for Rochester Road, Torpey to Barclay.
- c. Originally these were to be two separate projects, Rochester Road and Wattles Road, and HRC proceeded with the work per that direction. The City informed HRC that we were to combine these two into one project based on federal funding approval for the construction phase of Rochester Road in 2009 and Wattles Road in 2010. The projects will be bid and constructed as one large project to take advantage of economics of scale. The tasks involved in this work included revising the costs estimate and some plan sheets. Part of the cost for this item is included in our second amendment request for Rochester Road, Torpey to Barclay.

We have stopped working on this project except as needed to provide our sub consultant, Mansell Associates assistance in the traffic signal design and to continue working with the utility companies to

have them relocated in time for construction. We believe that the plans are more than sufficient for the Grade Inspection Meeting that is preliminarily scheduled for the summer 2009.

We have utilized our currently approved overhead rates per MDOT for this amendment. If you have any questions or require any additional information, please contact the undersigned.

Very truly yours,

HUBBELL, ROTH & CLARK, INC.

A handwritten signature in cursive script that reads "Walter H. Alix".

Walter H. Alix, P.E.
Vice President

Enclosure
pc: HRC; N. Faught, File

DERIVATION OF COST PROPOSAL

Exhibit A - Prime

MDOT Control Section ,Job Number 49885
 Project Description: Wattles Road Reconstruction

HRC Job Number 20010397

Consultant Name: Hubbell, Roth and Clark, Inc.

DIRECT LABOR

<u>Classification (Name)</u>	<u>Person</u> <u>Hours</u>	X	<u>Hourly</u> <u>Rate</u>	=	<u>Labor</u> <u>Costs</u>
Associate	17		\$ 46.00		\$ 782.00
Department Head	7		\$ 36.25		\$ 253.75
Senior Project Engineer	63		\$ 46.15		\$ 2,907.45
Designer	30		\$ 33.80		\$ 1,014.00
Senior CAD Technician	148		\$ 31.25		\$ 4,625.00
Field Crew	24		\$ 24.75		\$ 594.00
Field Office Technician	46		\$ 26.80		\$ 1,232.80

Total Hours 335 Total Labor \$ 11,409.00

OVERHEAD

Total Labor \$ 11,409.00 X 161% = \$ 18,389.03 Total Labor \$ 18,389.03

DIRECT EXPENSES

Hubbell, Roth and Clark does not charge mileage to or on the job.

Total Direct Costs \$0.00

COST OF MONEY

Total Labor \$ 11,409.00 X 1.92% = \$ 219.05 Total Cost of Money \$ 219.05

SUBCONSULTANT FEES

Total Sub consultant cost \$ 5,631.70

FIXED FEE

(Total Labor + Total Overhead)
 \$ 11,409.00 + \$ 18,389.03 X 12% Total Fixed Fee \$ 3,575.76

TOTAL COSTS \$ 39,224.54

DERIVATION OF COST PROPOSAL

Exhibit B, Sub-Consultant

MDOT Control Section, Job Number 49885
 Project Description: Wattles Road Reconstruction

HRC Job Number 20010397

Sub-Consultant Name: Mansell Associates, Inc.

DIRECT LABOR

<u>Classification (Name)</u>	<u>Person</u> <u>Hours</u>	X	<u>Hourly</u> <u>Rate</u>	=	<u>Labor</u> <u>Costs</u>
					\$ -
Project Manager	4		\$ 45.00		\$ 180.00
Designer	16		\$ 45.00		\$ 720.00
Engineer IV	6		\$ 29.00		\$ 174.00
Engineer III	20		\$ 30.00		\$ 600.00
TS Technician IV	6		\$ 26.00		\$ 156.00
TS Technician III	4		\$ 24.00		\$ 96.00
TS Technician III	4		\$ 21.00		\$ 84.00
TS Technician II	4		\$ 18.00		\$ 72.00
Surveyor	2		\$ 16.00		\$ 32.00
					\$ -
					\$ -
Total Hours	<u>66</u>			Total Labor	<u>\$ 2,114.00</u>

OVERHEAD

Total Labor	\$ 2,114.00	X	<u>140%</u>	=	\$ 2,959.60	Total Labor	<u>\$ 2,959.60</u>
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DIRECT EXPENSES

Total Direct Costs \$ -

COST OF MONEY

Total Labor	\$ 2,114.00	X	=	Total Cost of Money	<u>\$ -</u>
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FIXED FEE

(Total Labor	+	Total Overhead)					
\$ 2,114.00	+	\$ 2,959.60	X	11%	Total Fixed Fee	<u>\$ 558.10</u>	

TOTAL COSTS \$ 5,631.70

DERIVATION OF COST

Exhibit C

MDOT Control Section ,Job Number 49885
Project Description: Wattles Road Reconstruction

HRC Job Number 20010397

SUMMARY BY JOB NUMBER AND BY CATEGORY

DIRECT LABOR

PRIME CONSULTANT(S)	Direct Labor Hours	335	Direct Labor Costs	\$ 11,409.00
SUB-CONSULTANTS	Direct Labor Hours	66	Labor Costs	\$2,114.00
	Total Labor Hours	<u>401</u>	Total Direct Labor	<u>\$13,523.00</u>

OVERHEAD

PRIME CONSULTANT	Overhead Costs	\$18,389.03
SUB-CONSULTANT(S)	Overhead Costs	\$2,959.60
	Total Overhead	<u>\$21,348.63</u>

DIRECT EXPENSES

PRIME CONSULTANT	Direct Costs	\$0.00
SUB-CONSULTANT(S)	Direct Costs	\$0.00
	Total Direct Costs	<u>\$0.00</u>

COST OF MONEY

PRIME CONSULTANT	Cost of Money	\$ 219.05
SUB-CONSULTANT(S)	Cost of Money	\$ -
	Total Cost of Money	<u>\$219.05</u>

FIXED FEE

PRIME CONSULTANT	Fixed Fee Costs	\$3,575.76
SUB-CONSULTANT(S)	Fixed Fee Costs	\$558.10
	Total Fixed Fee	<u>\$4,133.86</u>

TOTAL COSTS FOR JOBS \$39,224.54

DERIVATION OF COST

Exhibit D

MDOT Control Section ,Job Number 49885
Project Description: Wattles Road Reconstruction

HRC Job Number 20010397

SUMMARY BY CATEGORY FOR ALL JOB NUMBERS**DIRECT LABOR**

PRIME CONSULTANT(S)	Direct Labor Hours	335	Direct Labor Costs	\$11,409.00
SUB-CONSULTANTS	Direct Labor Hours	66	Labor Costs	\$2,114.00
	Total Labor Hours	<u>401</u>	Total Direct Labor	<u>\$13,523.00</u>

OVERHEAD

PRIME CONSULTANT	Overhead Costs	\$18,389.03
SUB-CONSULTANT(S)	Overhead Costs	\$2,959.60
	Total Overhead	<u>\$21,348.63</u>

DIRECT EXPENSES

PRIME CONSULTANT	Direct Costs	\$0.00
SUB-CONSULTANT(S)	Direct Costs	\$0.00
	Total Direct Costs	<u>\$0.00</u>

COST OF MONEY

PRIME CONSULTANT	Cost of Money	\$ 219.05
SUB-CONSULTANT(S)	Cost of Money	\$0.00
	Total Cost of Money	<u>\$219.05</u>

FIXED FEE

PRIME CONSULTANT	Fixed Fee Costs	\$3,575.76
SUB-CONSULTANT(S)	Fixed Fee Costs	\$558.10
	Total Fixed Fee	<u>\$4,133.86</u>
	TOTAL COSTS FOR JOBS	<u>\$39,224.54</u>

DERIVATION OF COST

Exhibit E

MDOT Control Section ,Job Number 49885

HRC Job Number 20010397

Project Description: Wattles Road Reconstruction

SUMMARY BY CONSULTANT

	Hours	Cost	Fixed Fee	DBE Y/N	% of Cost
PRIME CONSULTANT	335	\$30,017.08	\$3,575.76	N	85.54%
SUB-CONSULTANT(S)	66	\$5,073.60	\$558.10	N	<u>14.46%</u>
Totals	401	\$35,090.68	\$4,133.86		100%

Hours -Amendment 2
Wattles Road at Rochester Road
STU 63459, 40323C

October 3, 2008

Task Description	Firm	Associate	Dept. Manager	Sr. Project Engineer	Designer	Senior CAD Technician	Field Office Supervisor	Field Crew	Field Technician	Total By Task
Additional Topographic Survey	HRC		1	1		8		24	4	38
Redesign Sidewalk Ramps	HRC	1		6	6	10				23
Preparing ROW Documents	HRC	1	6			20			42	69
Utility Relocation Assistance	HRC	2		2	12	6				22
Water Main	HRC	1		15		24				40
Traffic Engineering Assistance	HRC	4		1	12					17
Add'l Traffic Signal Design	HRC	2		8		12				22
	Mansell	4		26	16	20				66
Completing Work Later than Proposed	HRC	4		20		40				64
Plan Revisions for MDOT Standards	HRC	2		8		20				30
Combining Wattles and Rochester	HRC			2		8				10

Total Hours by Classification	HRC	17	7	63	30	148	0	24	46	335
	Mansell	4	0	26	16	20	0	0	0	66