



BOARD OF COMMISSIONERS

1 S. Main St., 9th Floor
Mount Clemens, Michigan 48043
586-469-5125 FAX 586-469-5993
macombcountymi.gov/boardofcommissioners

BUILDINGS, ROADS AND PUBLIC WORKS COMMITTEE

MONDAY, JUNE 14, 2010

AGENDA

1. Call to Order
2. Pledge of Allegiance
3. Adoption of Agenda
4. Approval of Minutes dated May 10, 2010 (previously distributed)
5. Public Participation (five minutes maximum per speaker, or longer at the discretion of the Chairperson related only to issues contained on the agenda)
6. Award of 2010 Court Building Precast Restoration Project (mailed)
7. Award of Jail Kitchen Renovation Project (mailed)
8. Status Report by Road Commission (attached)
9. Status Report by Public Works Department
 - a) Oakland Macomb Interceptor (OMI) Project
 - b) Value Engineering Feature-OMI
10. New Business
11. Public Participation (five minutes maximum per speaker or longer at the discretion of the Chairperson)
12. Adjournment

MEMBERS: Duzyj-Chair, Carabelli-Vice-Chair, DiMaria, Szczepanski, Doherty, Brdak, Boyle, Kepler, Sprys and Gielegem (ex-officio)

MACOMB COUNTY BOARD OF COMMISSIONERS

Andrey Duzyj - District 1
Marvin E. Sauger - District 2
Phillip A. DiMaria - District 3
Toni Moceril - District 4
Susan L. Doherty - District 5

Sue Rocca - District 7
David Flynn - District 8
Robert Mijac - District 9
Ken Lampar - District 10
Ed Szczepanski - District 11

James L. Carabelli - District 12
Don Brown - District 13
Brian Brdak - District 14
Keith Rengen - District 15
Carey Tomice - District 16

Paul Gielegem
District 19
Chairman

Kathy Tocco
District 20
Vice Chair

Joan Flynn
District 6
Sergeant-At-Arms

Ed Braley - District 17
Dana Camphous-Peterson - District 18
Irene M. Kepler - District 21
Frank Accavitti Jr. - District 22

William A. Crouchman - District 23
Michael A. Boyle - District 24
Kathy D. Vosburg - District 25
Jeffery S. Sprys - District 26

RESOLUTION NO. _____

FULL BOARD MEETING DATE: _____

AGENDA ITEM: _____

MACOMB COUNTY, MICHIGAN

RESOLUTION TO: Award the 2010 Court Building Precast Restoration Project to the low bidder,

DRV Contractors, LLC, located in Shelby Township, in the amount of \$134,885.00

Funds for this Project are available in the Capital Budget.

INTRODUCED BY: Commissioner Andrey Duzyj, Chair

Buildings, Roads & Public Works

COMMITTEE/MEETING DATE

Buildings, Roads & Public Works:6/14/10



FACILITIES & OPERATIONS DEPARTMENT

10 N. Main St., 13th Floor
Mount Clemens, Michigan 48043
586-469-5244 FAX 586-469-7770

Lynn M. Arnott-Bryks
Director

Diane G. Connell
Operations Supervisor

Larry K. Oakes
Mechanical Systems Supervisor

Estella Shelton
Maintenance Supervisor

TO: Commissioner Andrey Duzyj, Chairman
Buildings, Road & Public Works Committee

SUBJECT: 2010 Exterior Precast Restoration Project
Court Building

DATE: May 25, 2010

Sealed bids were received and publicly read in the Purchasing Department on May 18, 2010 for the Court Building Precast Restoration Project. This project was also published on the MITN (Michigan Inter-governmental Trade Network) site.

Attached, herewith, is a summary of the bids received (See Attachment A).

We are recommending award of the 2010 Court Building Precast Restoration Project to the low bidder, DRV Contractors, LLC, in the amount of \$134,885.00.

Funds for this project are available in the Capital Budget.

Should you have any questions, or require additional information, please contact the undersigned.

Respectfully,



Lynn M. Arnott-Bryks, Director
Facilities & Operations Department

Attachment

LMAB:jsd

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Brian Brdak - District 14
Keith Rengert - District 15
Carey Torrice - District 16

Paul Gielegern
District 19
Chairman

Ed Bruley - District 17
Dana Camphous-Peterson - District 18
Irene M. Kepler - District 21
Frank Accavitti Jr. - District 22

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District 20
Vice Chair

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Sergeant-At-Arms

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Michael A. Boyle - District 24
Kathy D. Vosburg - District 25
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Attachment A

Company Name

Bid Amount

DRV Contractors, LLC
51667 Oro Drive
Shelby Township, MI 48315

\$134,885.00

Orion Waterproofing, Inc.
798 Industrial Ct.
Bloomfield Hills, MI 48302

\$138,850.00

RAM Construction Services of Michigan, Inc.
13800 Eckles Road
Livonia, MI 48150

\$188,610.00

DC Byers Company
5715 Rivard Street
Detroit, MI 48211

\$253,890.00

Structural Preservation Systems
Detroit Branch
280 West Jefferson
Trenton, MI 48183

\$260,685.00

RECYCLABLE PAPER

RESOLUTION NO. _____

FULL BOARD MEETING DATE: _____

AGENDA ITEM: _____

MACOMB COUNTY, MICHIGAN

RESOLUTION TO: Concur with the recommendation of the Architect, Wakely Associates, Inc., and award the Jail Kitchen Renovation Project to the low bidder, Braun Construction Group, in the base bid amount of \$1,292,000.00 plus acceptance of alternates #1 thru #7 in the amount of \$1,495,300.00.

*As directed, itemized bids for Kitchen Equipment were obtained and are for your review and consideration. If all items are accepted, an additional \$179,500.00 would have to be allocated to the Project.

INTRODUCED BY: Commissioner Andrey Duzyj, Chair
Buildings, Roads & Public Works

COMMITTEE/MEETING DATE

Buildings, Roads & Public Works:6/14/10



Wakely Associates, Inc. / Architects
30500 Van Dyke Avenue • Suite M-7 • Warren, Michigan 48093
PH: (586) 573-4100 • FX: (586) 573-0822 • WB: www.wakelyaja.com

June 4, 2010

Ms. Lynn Arnott-Bryks, Facilities & Operations
County of Macomb
10 North Main
Mt. Clemens, MI 48043

RE: Macomb County Jail - Kitchen Renovations Wakely Project #101324

Dear Ms. Bryks:

On Thursday, May 27, 2010, in the Purchasing Office, bids were received, publicly opened, and read aloud for the above project. The bids are as tabulated on the enclosed bid tabulation form. Six of 16 Contractors who requested bidding documents submitted proposals. The project has (7) seven alternates of an architectural nature and (7) seven food service equipment alternates. The food service equipment alternates were requested by the Board of Commissioner's to avoid future potential problems or improve efficiency. Upon review of the alternates with the Sheriff's department we recommend that all (7) seven architectural alternates be awarded. The Board may wish to consider awarding all food service equipment alternates.

Post bid interviews were held with the two low bidders (Braun Construction Group and Bernco Inc). The low bidder (both with and without the alternates) for this project was the Braun Construction Group. We reviewed their proposal with them and found it to be complete. A copy of our Post Bid Review Form, Contractor's Qualification Statement and an executed Macomb County Labor Harmony Policy form are attached with this document.

On June 2, 3 and 4th, 2010 Wakely Associates and the Sheriff's Department followed up and contacted references provided by the Braun Construction Group. All references were favorable.

We recommend, therefore, that a contract be awarded to the Braun Construction Group in the amount of their base bid, \$1,292,000.00 with Alternates #1 thru #7 for a total contract amount of \$1,495,300.00.

With your concurrence and after proof of compliance with all requirements of the bid documents, this office will advise the Contractors of your intent, prepare the appropriate contracts and secure the required bonds and insurance documents.

I would be happy to answer any questions you may have regarding this recommendation.

Sincerely,

Dominic Abbate, A.I.A.
Enclosure

BID INVITATION
MADON COUNTY JAIL
KITCHEN RENOVATIONS
PROJECT NO. 101324
BIDS DUE: MAY 27, 2010
10:00 A.M.

WARELI ASSOCIATES INC./ARCHITECTS

CONTRACTOR	SEC	ADD	BASE BID	ALT.#1	ALT.#2	ALT.#3	ALT.#4	ALT.#5	ALT.#6	ALT.#7	ALT.#1	ALT.#2	ALT.#3	ALT.#4	ALT.#5	ALT.#6	ALT.#7	VOL ALT
AZ SHMINA 11711 Grand River Brighton, MI 48116	X	X	1,429,000	160,000	35,000	80,000	5,000	7,000	9,000	13,000	11,800	157,000	17,100	35,000	17,000	2,000	9,000	
BERNCO INC. 20816 11 Mile Rd. Suite 202 St. Clair Shores, MI 48081	X	X	1,328,800	158,960	19,425	21,945	1,800	5,670	7,500	4,025	11,300	145,800	16,120	33,800	15,850	1,850	8,220	
BRAUN CONSTRUCTION 39395 W 12 Mile Farmington Hills, MI 48331	X	X	1,292,000	133,000	14,000	38,000	3,800	6,500	4,000	4,000	8,500	107,000	14,200	26,000	16,100	600.	7,000	2
E. GILBERT & SONS 45887 Mound Rd. Utica, MI 48317	X	X	1,390,000	150,000	35,000	27,000	600.	2,600	1,700	5,700	11,300	149,000	16,400	33,700	15,800	1,900	8,400	1
GARRISON COMPANY 32871 Middlebelt Suite 100 Farmington Hills, MI 48334	X	X	1,344,000	166,000	59,000	26,200	1,900	6,300	6,400	5,200	10,200	138,000	14,500	30,500	14,200	1,900	7,200	1
SACHSE CONSTRUCT. 260 E Brown, St Suite 200 Birmingham, MI 48009	X	X	1,518,877	103,221	36,457	34,982	1,875	6,326	5,832	3,847	11,071	145,377	16,030	33,109	15,525	1,800	8,170	0

ALTERNATE NO.1: Purchasing and installation of GRU #3.
ALTERNATE NO.2: Complete removal and replacement of concrete floor in kitchen area.
ALTERNATE NO.3: Repaint basement corridors. Replacement of existing wall guards.
ALTERNATE NO.4: Repair the existing basement kitchen loading dock.
ALTERNATE NO.5: Purchase and install new coin operated lockers on first floor lobby area.
ALTERNATE NO.6: Purchase and install a new camera and relocation existing camera in Receiving Courtyard.
ALTERNATE NO.7: Provide a masonry and porcelain enclosure around existing sanitary piping risers in kitchen basement.
THE ALTERNATES:
ALTERNATE A-1: Double Deck Convection Oven
ALTERNATE A-2: 60 Gallon Tulk Kettle
ALTERNATE A-3: Double Deck Steamer
ALTERNATE A-4: Double Deck Convection Oven
ALTERNATE A-5: Replaces Existing Tray Make Up Counter
ALTERNATE A-6: Wall Mounted Fill Hose
ALTERNATE A-7: Wall In Water w/Back
VOLUME: ALT: Time of Completion

POST BID REFERENCE CONTACT FORM

Project: Macomb County Jail Kitchen Renovations Date: June 2, 2010

Bidder: Braun Construction Group Job No. 101324

1 Name of reference company:

NSA Architects

2 Reference contact name:

Blair Reese

3 Project name:

Fox Run – Novi

4 Project Description:

Large Scale Senior Apartments

5 Approximate Construction Cost:

\$ 300,000,000.00 TOTAL. \$150,000,000.00 half way done at this time.

6 Comments on bidder's ability and performance:

Worked with Steve Braun and Joe Orlick, good guys. 20 years experience working with them and very good contractor. (JM Olson & then Braun). JM Olson started out on Fox Run, Braun was then formed and is finishing the project. Two Projects: Ann Arbor Regency Park LEED Project – Tons of unknown conditions and Regency Senior Nursing Home, at Waterford Township. Very good with following up and solving issues without making Architect look bad. Write a lot of RFI's so no questions or misunderstandings. Do write Change Orders but challenge subs, advocate for Owner & Architect. Backup is good.

7 Would reference recommend bidder for another project?

Yes

POST BID REFERENCE CONTACT FORM

Project: Macomb County Jail Kitchen Renovations Date: June 4, 2010

Bidder: Braun Construction Group Job No. 101324

1 Name of reference company:

Partners in Architecture

2 Reference contact name:

David Gassen

3 Project name:

Macomb Correctional Facility – New Haven

4 Project Description:

Housing Unit conversion to RTP.

5 Approximate Construction Cost:

\$ 552,000.00

6 Comments on bidder's ability and performance:

Very good on being fair with Change Orders. Joe Orlick, strong Project Manager. 10 years ago when at Yamasaki worked with same people on Oakland County Computer Center (JM Olson) good strong Contractor on a difficult project.

7 Would reference recommend bidder for another project?

Yes

POST BID REFERENCE CONTACT FORM

Project: Macomb County Jail Kitchen Renovations Date: June 4, 2010

Bidder: Braun Construction Group Job No. 101324

1 Name of reference company:

J W Design Architectural Studio

2 Reference contact name:

Dan Deremer – Known them starting as JM Olson.

3 Project name:

Wayne State Renovation to Tower by Library.

4 Project Description:

DPS Admin.-13 floors interior renovation, Nursing home (currently)

5 Approximate Construction Cost:

\$ 8,000,000.00 -- Nursing Home

6 Comments on bidder's ability and performance:

Really like working with Scott Collins and company, knows Mike real well.

Originally concerned with transition from JM Olson to Braun, but really no

problems, results were good. No problems known of for not paying subs.

Worked on fully occupied building. Real straight on Change Orders.

7 Would reference recommend bidder for another project?

Yes

RECYCLABLE PAPER

2009/2010 Traffic Projects

Project	Funding	Funding	Budget	Budget	Construction End Date
2008 CMAQ Project - Side Street Detection 11 Locations	\$ 311,000	\$ 6,051,312	\$ 311,000	\$ 6,430,212	Aug 31, 2010
2009 CMAQ - Market at Main (Mt Clemens)	\$ 150,000		\$ 150,000		Apr 30, 2010
2007 CMAQ - I-94 Harper Connectors	\$ 300,000		\$ 300,000		Nov 31, 2010
2008 CMAQ Project - Schoenherr	\$ 980,000		\$ 980,000		Aug 31, 2010
2008 Safety Project - 11 locations	\$ 776,000		\$ 1,155,000		Aug 31, 2010
2009 CMAQ - 12 Mile Rd.	\$ 478,000		\$ 478,000		Aug 31, 2010
2009 CMAQ - 15 Mile Rd.	\$ 681,000		\$ 681,000		Aug 31, 2010
2009 CMAQ - CCTV 33 Locations (Hall/Gratiot)	\$ 688,000		\$ 687,750		Aug 31, 2010
2008 CMAQ Project - 100' Poles	\$ 450,000		\$ 450,000		Mar 31, 2011
2009 CMAQ - Wireless Interconnect 109 Locations	\$ 576,000		\$ 576,150		Aug 31, 2010
Metro Parkway Road Project	\$ 661,312		\$ 661,312		May 15, 2011
2009 CMAQ Hoover	\$ 431,000		\$ 431,000		TBD

Discontinued 6-14-10

Optimizations				
2006 CMAQ Harper, Garfield, Hayes	\$ 360,000		\$ 360,000	
2007 CMAQ Metro Parkway	\$ 200,000		\$ 200,000	
2009 CMAQ 12 Mile	\$ 120,000		\$ 120,000	
2009 CMAQ 15 Mile	\$ 120,000		\$ 120,000	
2010 CMAQ TOC	\$ 1,030,000		\$ 1,287,500	

\$ 7,881,312

\$ 8,517,712

RCMC 2010 CONSTRUCTION PROJECTS

PROJECT NAME	PROJECT ENGINEER	RIGHT OF WAY STATUS	PRELIMINARY FIELD WORK STATUS	PRELIMINARY ENGINEERING STATUS	FINAL PLANS AND SPECIFICATIONS	BID STATUS	CONSTRUCTION START	PROJECT COMPLETION	CONTRACT COST/ESTIMATED COST	% COMPLETE
Metro Pkwy - Garfield to Groesbeck	Heidi Flateau	Secured	Complete	Complete	09/25/2009	01/08/2010	03/15/2010	11/01/2010	\$8,698,500.00	11
Van Dyke - 23 Mile to 24 Mile	Bryan Santo	Secured	Complete	Complete	03/24/2010	06/18/2010	07/15/2010	11/30/2010	\$5,000,000.00	0
14 Mile - Mound to Vandyke ARRA	Camille Deeb	Secured	Complete	Complete	08/28/2009	11/06/2009	04/15/2010	07/31/2010	\$1,153,000.00	65
14 Mile - Gratiot to Harper ARRA	Camille Deeb	Secured	Complete	Complete	08/28/2009	11/06/2009	04/15/2010	07/31/2010	\$1,467,000.00	14
10 Mile - Phlox to Kelly	Camille Deeb	Secured	Complete	Complete	04/29/2009	06/25/2009	10/19/2009	06/30/2010	\$1,615,600.00	62%
Romeo Plank - Canal to Cass	Heidi Flateau	Secured	Complete	Complete	02/24/2010	06/18/2010	07/15/2010	11/15/2010	\$1,730,250.00	0
Washington (ARRA) - M-29 to Baker	Camille Deeb	Secured	Complete	Complete	09/25/2009	12/04/2009	05/03/2010	05/28/2010	\$313,300.00	100
Schoenherr - 16 Mile to 19 Mile ARRA	Camille Deeb	Secured	Complete	Complete	09/25/2009	01/08/2010	04/01/2010	07/31/2010	\$520,500.00	0
19 Mile - Hayes to Romeo Plank ARRA	Camille Deeb	Secured	Complete	Complete	09/25/2009	01/08/2010	04/01/2010	07/31/2010	\$785,600.00	50
13 Mile - M-97 to M-3 ARRA	Camille Deeb	Secured	Complete	Complete	09/25/2009	01/08/2010	04/01/2010	07/31/2010	\$539,450.00	75
Utica - 14 Mile to N of 15 Mile ARRA	Camille Deeb	Secured	Complete	Complete	09/25/2009	01/08/2010	04/01/2010	07/31/2010	\$642,350.00	100
15 Mile - Kelly Beaconsfield ARRA	Camille Deeb	Secured	Complete	Complete	09/25/2009	01/08/2010	04/01/2010	07/31/2010	\$172,600.00	100
Mound - 18 Mile to M-59 ARRA	Camille Deeb	Secured	Complete	Complete	09/25/2009	01/08/2010	04/01/2010	07/31/2010	\$211,400.00	0
Mound - 23 Mile to 24 Mile ARRA	Camille Deeb	Secured	75%	75%	03/02/2010	07/09/2010	08/01/2010	08/30/2010	\$200,000.00	
Conc Pavt Repair	Camille Deeb	Secured	Complete	Complete	05/24/2010	06/22/2010	07/15/2010	09/15/2010	\$1,500,000.00	0
HMA Resurfacing	Camille Deeb	Secured	Complete	Complete	05/24/2010	06/22/2010	07/15/2010	09/15/2010	\$1,500,000.00	0
Rural Preservation	Camille Deeb	Secured	Complete	Complete	04/28/2010	07/09/2010	08/05/2010	09/15/2010	\$258,000.00	0
Macomb Orchard Trail	Macomb Co.	Secured				TBD	TBD	TBD	\$1,694,850.00	
Harrison Twp Hike/Bike Path	Harrison Twp					TBD	TBD	TBD	\$300,000.00	0
14 Mile - Red Run Drain	Jeff Yakel	Complete	Complete	Complete	09/25/2009	12/04/2009	01/11/2010	07/01/2010	\$1,919,100.00	61
26 Mile - at Kirkham Drain	Bryan Santo	06/25/2010	Complete	98%	06/25/2010	09/03/2010	10/01/2010	11/12/2010	\$550,000.00	0
26 Mile - at branch Kirkham	Bryan Santo	06/25/2010	Complete	98%	06/25/2010	09/03/2010	10/01/2010	11/12/2010	\$550,000.00	0
34 Mile - at Cemetary Creek	Jeff Yakel	Complete	Complete	Complete	03/24/2010	04/27/2010	07/01/2010	10/29/2010	\$500,000.00	0
Lowe Plank - at Salt River	Bryan Santo	Complete	Complete	Complete	06/15/2010	07/13/2010	08/01/2010	09/15/2010	\$400,000.00	0
Moravian - Clinton River	Jeff Yakel	Complete	Complete	95%	06/25/2010	09/03/2010	10/01/2010	05/30/2011	\$2,780,000.00	0
McKay - 34 Mile to Ebling	Bryan Santo	Complete	Complete	Complete	03/09/2010	05/25/2010	07/01/2010	08/31/2010	\$1,326,359.00	0
Bridgeview over Clinton River	Jeff Yakel	Complete	Complete	Complete	10/24/2008	01/09/2009	02/09/2009	05/25/2010	\$7,293,800.00	96
22 Mile at Heydenreich	Bryan Santo	Complete	Complete	Complete	05/24/2010	06/22/2010	07/15/2010	08/31/2010	\$400,000.00	

2011 RCMC CONSTRUCTION PROGRAM

PROJECT	DESIGN	ROW	CONSTRUCTION ENGINEERING	CONSTRUCTION CONTRACT	FEDERAL FUNDS	LOCAL FUNDS	RCMC FUNDS	TOTAL COST	LOCAL PARTICIPATION
Metro Parkway - Gardfield to M-97	\$0.00	\$0.00	\$25,000.00	\$250,000.00	\$100,000.00	\$75,000.00	\$75,000.00	\$275,000.00	RCMC 100%
Moravian at Clinton River	\$0.00	\$0.00	\$280,000.00	\$2,800,000.00	\$2,660,000.00	\$420,000.00	\$420,000.00	\$3,080,000.00	RCMC 100%
Romero Plank - Canal to Cass	\$0.00	\$0.00	\$100,000.00	\$1,000,000.00	\$800,000.00	\$300,000.00	\$300,000.00	\$1,100,000.00	Clinton Twp 50%
Van Dyke - 23 Mile to 24 Mile	\$0.00	\$0.00	\$300,000.00	\$3,000,000.00	\$1,760,000.00	\$440,000.00	\$220,000.00	\$2,200,000.00	Shelby Twp 50%
23 Mile at N B Clinton River	\$75,000.00	\$170,000.00	\$0.00	\$0.00	\$0.00	\$175,000.00	\$175,000.00	\$175,000.00	RCMC 100%
26 Mile at Kirkham	\$0.00	\$0.00	\$45,000.00	\$450,000.00	\$427,500.00	\$67,500.00	\$67,500.00	\$495,000.00	Macomb Co 50%
16 Mile at Branch Kirkham	\$0.00	\$0.00	\$45,000.00	\$450,000.00	\$0.00	\$495,000.00	\$247,500.00	\$495,000.00	Macomb Co 50%
14 Mile at Big Beaver Creek	\$0.00	\$0.00	\$67,500.00	\$675,000.00	\$641,250.00	\$100,750.00	\$90,375.00	\$742,000.00	RCMC 50% Warren/Stirling Hgts 50%
26 Mile at Deer Creek	\$40,000.00	\$10,000.00	\$76,000.00	\$760,000.00	\$681,250.00	\$100,750.00	\$100,750.00	\$742,000.00	RCMC 100%
Metro Parkway - Dequindre to Mound	\$0.00	\$0.00	\$76,000.00	\$760,000.00	\$610,400.00	\$228,600.00	\$114,300.00	\$639,000.00	RCMC 50% Stirling Hgts 50%
Metro Parkway - west of Mound to east of Central	\$0.00	\$0.00	\$110,000.00	\$1,100,000.00	\$890,000.00	\$330,000.00	\$330,000.00	\$1,210,000.00	RCMC 50% Stirling Hgts 50%
2011 Rural Preservation	\$13,000.00	\$0.00	\$26,000.00	\$260,000.00	\$202,000.00	\$61,000.00	\$61,000.00	\$300,000.00	RCMC 100%
Hempster - 13 Mile to 15 Mile	\$136,000.00	\$0.00	\$230,000.00	\$2,300,000.00	\$1,940,000.00	\$820,000.00	\$415,000.00	\$2,890,000.00	RCMC 50% St. Clair Shores/Clinton 50%
Van Dyke - 24 Mile to 25 Mile	\$300,000.00	\$500,000.00	\$451,300.00	\$4,513,000.00	\$3,974,900.00	\$1,342,000.00	\$671,000.00	\$5,317,900.00	RCMC 50% Shelby 50%
Van Dyke at Clinton River	\$100,000.00	\$0.00	\$140,000.00	\$1,400,000.00	\$1,120,000.00	\$200,000.00	\$200,000.00	\$1,840,000.00	RCMC 50% Stirling Hgts/Utica 50%
Primary Road Rehab	\$100,000.00	\$0.00	\$210,000.00	\$2,100,000.00	\$1,660,000.00	\$705,000.00	\$705,000.00	\$2,415,000.00	RCMC 50% Share
Harrison Hike/Bike	\$254,000.00	\$0.00	\$544,000.00	\$3,625,000.00	\$2,800,000.00	\$1,523,000.00	\$423,000.00	\$4,423,000.00	Hamson Twp 100%
Hayes Road - 21 1/2 Mile to 23 Mile	\$265,000.00	\$0.00	\$0.00	\$0.00	\$0.00	\$265,000.00	\$132,500.00	\$397,500.00	RCMC 50% Shelby/Macomb 50%
Cass - M-97 to M-3	\$191,000.00	\$0.00	\$0.00	\$0.00	\$0.00	\$189,000.00	\$90,000.00	\$189,000.00	RCMC 50% Mt. Clemens 50%
Jewell Rd - 27 Mile to 28 Mile	\$70,000.00	\$0.00	\$0.00	\$0.00	\$0.00	\$75,000.00	\$37,500.00	\$75,000.00	RCMC 50% Washington Twp 50%
Ludlowman - 25 Mile to 26 Mile	\$70,000.00	\$0.00	\$100,000.00	\$1,000,000.00	\$0.00	\$1,170,000.00	\$585,000.00	\$1,170,000.00	RCMC 50% Macomb Twp 50%
Card Road at N B Clinton River	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$880,000.00	\$880,000.00	\$880,000.00	RCMC 25% Macomb Twp 25% Macomb County 50%
2011 Pavl Preservation - Primary	\$35,000.00	\$0.00	\$75,000.00	\$750,000.00	\$0.00	\$862,000.00	\$862,000.00	\$862,000.00	RCMC Share
2011 Pavl Preservation - Local	\$37,000.00	\$0.00	\$75,000.00	\$750,000.00	\$0.00	\$190,000.00	\$190,000.00	\$100,000.00	RCMC 100%
2011 MDOT Final Accountings	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$200,000.00	\$200,000.00	\$200,000.00	RCMC 100%
2011 Survey and Design	\$160,000.00	\$0.00	\$0.00	\$0.00	\$0.00	\$187,500.00	\$187,500.00	\$187,500.00	RCMC Share 80% Twp 20%
2011 Limestone - Primary	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$60,000.00	\$60,000.00	\$60,000.00	RCMC 100%
2011 Bridge Inspection - Primary	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$187,500.00	\$187,500.00	\$187,500.00	RCMC 80% Twp 20%
2011 Limestone - Local	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$15,000.00	\$15,000.00	\$15,000.00	RCMC 100%
2011 Bridge Inspection - Local	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$240,000.00	\$240,000.00	\$240,000.00	RCMC 100%
S. River Road at I-94	\$20,000.00	\$0.00	\$20,000.00	\$200,000.00	\$0.00	\$56,000.00	\$56,000.00	\$56,000.00	RCMC 100%
Pearl Road Culverts (2)	\$28,000.00	\$0.00	\$48,000.00	\$480,000.00	\$0.00	\$56,000.00	\$56,000.00	\$56,000.00	RCMC 100%
TOTAL \$	\$1,955,000.00	\$510,000.00	\$3,935,300.00	\$25,992,000.00	\$70,344,300.00	\$12,760,900.00	\$8,032,815.00	\$33,094,300.00	

* 2010 Carry Over

2010/2011 Draft Traffic Project Budget

Carry Over	Project Name	Location/Description	Design	Construction Engineering	Contract	Financing (for Contract portion only)		
1	Guardrail	Countywide			225,000	100% RCMC	225,000	225,000
2	Controller Software Integration Project	Countywide			49,200		49,200	
3	Soil Borings	Countywide			30,000		30,000	
4	LED Retrofit	Countywide			100,000		100,000	
5	ADA Ramps	Countywide			25,000		25,000	20,000
6	Longitudinal Pavement Marking	Countywide			450,000		450,000	415,000
7	Signal Upgrades	24 Mile at Hayes, Countywide			210,000		210,000	250,000
8	New Signals	22 Mile at Heydenreich			125,000		125,000	
9	x ATMS System	Connectors from I-94 to Harper	-		89,269			
10	x Signal Upgrades	Schenherr from Toepfer to Canterbury	-		43,296	100% CMAQ (842,926)		95,928
11	x Signal Upgrades/Safety Project	11 Locations	-		104,844	80% HSIP (838,754), 20% RCMC (209,689), x% Warren, x% Sterling Heights		292,000
12	x Wireless Communications Backhaul	10 Locations	-		450,000	100% CMAQ		72,800
13	x Signal Upgrades	12 Mile from Revere to Jefferson	-		8,368	100% CMAQ		
14	x Signal Optimization	12 Mile from Revere to Jefferson	-		115,000	100% CMAQ		
15	x Signal Upgrades	15 Mile from Viceroy to Harper	-		11,607	100% CMAQ		
16	x Signal Optimization	15 Mile from Viceroy to Harper	-		115,000	100% CMAQ		
17	x Surveillance and Wireless Interconnect	Hall, Gratiot, and Metro Parkway	-		9,289	100% CMAQ		
18	x Wireless Interconnect	108 Locations	-		8,287	100% CMAQ		
19	Signal Optimization	21 Mile	-		45,000	100% CMAQ		
20	Signal Upgrades	14 Mile	-		154,000	100% CMAQ		
21	Signal Optimization	14 Mile	-		85,000	100% CMAQ		
22	Signal Upgrades	23 Mile	-		711,000	100% CMAQ		
23	Signal Optimization	23 Mile	-		35,000	100% CMAQ		
24	Signal Upgrades	10 Mile	-		745,000	100% CMAQ		
25	Signal Optimization	10 Mile	-		120,000	100% CMAQ		
26	Signal Upgrades	Van Dyke	-		738,000	100% CMAQ		
27	Signal Optimization	Van Dyke/Shelby Grid	-		195,000	100% CMAQ		
28	Signal Upgrades	Groesbeck	-		1,004,000	100% CMAQ		
29	Signal Optimization	Groesbeck	-		140,000	100% CMAQ		
30	Surveillance and Wireless Interconnect	75 Locations	-		1,500,000	100% CMAQ		
31	Signal Upgrades/Safety Project	4 Locations	-		500,000	80% CMAQ (400,000), 20% RCMC (100,000)	100,000	
32	TOC Operations, Maintenance, and Equipment	Countywide			1,500,000	80% CMAQ (1,200,000), 20% RCMC (300,000)	300,000	257,500
33	Signal Upgrades	Schoenherr			-	100% CMAQ		
35	Signal Upgrades	Jefferson			-	100% CMAQ		
37	Signal Upgrades	13 Mile			-	100% CMAQ		
39	Signal Upgrades	Ryan			-	100% CMAQ		
41	Signal Upgrades	Utica			-	100% CMAQ		
43	Signal Upgrades	9 Mile			-	100% CMAQ		
45	Signal Upgrades	Shelby-Macomb-Utica			-	100% CMAQ		
46	Signal Optimization	Mound			250,000	100% CMAQ		
47	Countywide Actuation	Countywide			-	100% CMAQ		

9,891,161

1,614,200	1,628,228
	(14,028)

\$14,028 below last years budget

RECYCLABLE PAPER



Anthony V. Marrocco

Public Works Commissioner
Macomb County

**June 10, 2010
FOR IMMEDIATE RELEASE**

Oakland Macomb Interceptor Repair Reaches Milestone at Warren Job Site

*(For addition information, please contact Macomb Deputy Public Works
Commissioner Gene Schabath at (586) 469-7424)*

Macomb County Public Works Commissioner Anthony V. Marrocco is pleased with the progress being made on the massive Oakland Macomb Interceptor construction and repair program.

The project has reached an exciting milestone --- completion of the upper tier of one of the five access shaft and sewage flow control structures.

Completion of the sprawling Common Road upper tier in Warren is the first graphic example of the progress being made on the \$144 million construction and repair of the 21-mile long interceptor that services 830,000 residents in Macomb and Oakland counties.

The upper structure --- called a Temporary Earth Retention System, or TERS --- is made up of steel ribs and wood lagging and measures 53-feet in diameter and is 48-feet deep, Commissioner Marrocco said.

"It's a pretty impressive structure considering it was completed in just two month's time. "I am really pleased with the progress at the Common Road site," Commissioner Marrocco said.

The TERS is part of the access shaft and sewage flow structure at that location. Workers have started drilling a series of 30, 24-inch diameter holes, called piers, starting at the base of the TERS and extending 75-feet deep, said Lou Urban, an engineer with Anderson, Eckstein & Westrick, of Shelby Township, the engineer in charge at that site.

Steel I-beams will be inserted into the holes and grout will be poured around the I-beams. This will create a 75-foot high wall so that excavation can continue down to the interceptor, Urban said. The pier columns will extend 26 feet below the bottom of the interceptor.

OFFICE LOCATION: 21777 Dunham Road, Clinton Township, Michigan 48036 • Phone: 586-469-5325 • Fax: 586-469-5933

MAILING ADDRESS: P. O. Box 806, Mt. Clemens, Michigan 48046-0806

ENGINEERING • Phone: 586-469-5910 • Fax: 586-469-7693 ♦ **SOIL EROSION** • Phone: 565-469-5327 • Fax 586-307-8264

“Extending the wall that deep will give extra strength to the wall,” Commissioner Marrocco said.

A medium sized excavator, called a Cat 320, was lowered by a crane 48 feet to the floor of the excavation to do the pier construction. The CAT 320 was also used for excavation during the construction of the TERS.

Part of the lower access shaft construction includes excavating 20 feet from the base down to the top of the 12-foot, 9-inch diameter interceptor.

After the pier wall is constructed, a 17-foot by 15-foot gate and two 3-foot by 5-foot sluice gates will be constructed into the interceptor. They will be used to hold back the sanitary flow when repairs are made downstream.

Macomb and Oakland Counties have teamed up to take ownership of the giant, 37-year-old, 21-mile long interceptor system from the Detroit Water and Sewerage Department.

Macomb and Oakland will save suburban communities more than \$100 million in the next two decades because of lower bond rates and will provide comprehensive maintenance and inspection of the interceptor.

The gravity interceptor ranges in diameter from 8 feet, 9-inches to 12-feet, 9 inches and extends as deep as 100 feet below ground. The five projects will take 18 months to complete. Bids on the repairs will follow. Repairs are expected to take three years to complete.

Marrocco and Oakland County Water Resources Commissioner John McCulloch said another advantage of taking over the interceptor is that the suburban counties control the sewer system. That allows Macomb and Oakland to set the priorities regarding the interceptor and make decisions that will best serve their constituents.

In another development at the Common Road site, DTE has now established a direct electrical hook-up. That eliminates the use of generators and the noise that accompanies them.

Meanwhile, construction of access shafts/control structures, have begun at two other locations: in the ITC corridor on 10 Mile in Warren and on Dodge Park Road, north of 15 Mile, in Sterling Heights.

The 10 Mile Road upper TERS will be 51 feet in diameter and the lower pier structure will measure 45 feet in diameter and extend 101 feet deep.

At the Dodge Park Road site, the TERS will be constructed entirely of steel reinforced piers, and the rectangular shaft will measure 34 feet by 24 feet and will extend 61 feet below ground. The shaft will extend five feet below the bottom of the interceptor. A flow control structure will be installed within the shaft.

An access shaft, flow control structure and pumping station will be built just south of 15 Mile, across from Sterling Heights High School. The shaft will be 72-feet in diameter and extend 78 feet below the ground surface, including 14 feet below the interceptor. A flow control gate and temporary flow control pumping station will be built inside the shaft.

Construction of the final access shaft/flow control structure on Utica Road, west of Dodge Park Road, will begin in September. This structure will be built in the median in front of Sterling Heights city hall. The shaft, a steel ring and timber structure, will be 25 feet in diameter and extend 49 feet below ground, including five feet below the bottom of the interceptor.

A flow control gate will be built inside the shaft.

Construction of the access shafts, sanitary flow gates and pumping station will cost \$42 million under two contracts awarded to Ric-Man Construction of Sterling Heights. Repair contracts will be bid after the first two contracts are completed.

Commissioner Marrocco said the project is the largest in the history of the Public Works Office and probably one of the biggest interceptor repair projects in the annals of the state.

Residents who have questions or complaints about the projects are asked to call the Oakland County Water Resources Inspection Department at (248) 858-1105.

Under an agreement between Commissioners Marrocco and McCulloch, the Oakland County department will be the day-to-day administrator of the interceptor system for the first five years. The administration would then switch to the Macomb County Public Works Office under a five-year rotating policy.

