



1000 Rochester Hills Dr.
Rochester Hills, MI 48309
Phone # (248) 656-4640
Fax # (248) 656-4758

Date: April 24th, 2019

To: Local Road Improvement Special Committee
1200 N. Telegraph Road
County Service Center, Building 12 East
Pontiac, MI 48341-0475

Re: 2019 Local Road Improvement Matching Fund Program – Auburn Road Reconstruction
City File #E16-022

Dear Committee Members,

The City of Rochester Hills would like to thank you very much for the opportunity to seek additional funding for the Auburn Road revitalization going through Culberston Ave to Hessel Rd. The funds reserved for this project exceed the minimum local match as our Auburn Road Project has a budget of \$12,229,179.14. We consider this project to be imperative for the increasing demand of residents and businesses for safer, and improved travel. This project seeks to meet that demand for Rochester Hills, and Oakland County residents by effectively establishing a new downtown area that offers access to plentiful parking, alleyways, and pathways for pedestrians.

Sincerely,

A handwritten signature in blue ink that reads "Allan E. Schneck". The signature is fluid and cursive, with a long horizontal line extending to the right.

Allan E, Schneck P.E.
Director of Public Services
Department of Public Services
Phone (248) 841-2492
schnecka@rochesterhills.rog

I:\Eng\PUBL\E16022 Local Rd Improvement Matching Fund Pilot Program\2019 Program\2019 LRIP Application
Packet_Signed



BOARD OF COMMISSIONERS

1200 N. Telegraph Road
Pontiac, MI 48341-0475
Phone: (248) 858-0100
Fax: (248) 858-1572

March 26, 2019

To Whom it May Concern:

The Oakland County Board of Commissioners will be accepting applications for projects to be included in the 2019 Local Road Improvement Pilot Program. The fourth year of this pilot program is continuing as a partnership by the Board with County Executive L. Brooks Patterson to assist local cities and villages with maintenance and improvements on local roads and streets under their jurisdiction.

Enclosed you will find:

- 2019 Project Application Form
- Program Policies and Guidelines
- 2019 Approved Distribution Formula and Available Allocations Amounts
- Schedule for Project Consideration by the Board of Commissioners

The Board of Commissioners has tentatively set aside \$1.5 million for the 2019 program. Funds are allocated to communities using an allocation formula modeled on the Tri-Party formula. Participating local cities and villages will be responsible to match any county investment at a minimum of 50% of the cost of the project budget.

A Local Road Improvement Program Special Committee has been established to take the lead in reviewing and make recommendations to the Board regarding project applications. Following review by the Special Committee, the County Commissioner or Commissioners representing the project community will introduce a resolution authorizing the project for consideration by the Board.

Please note that, in order to meet statutory requirements, projects authorized under this program must contribute to the purpose of encouraging and assisting businesses to locate and expand within the County.

It is the goal of the Board of Commissioners to have a streamlined process, without excessive paperwork and unnecessary delays, to put the funds to work quickly, improving road conditions. Please note that the **final deadline to submit applications is May 3, 2019.** Projects received prior to the deadline may be moved forward on an expedited schedule.

If you have any questions regarding the program, the application process or policies, please feel to contact Amy Aubry, Board of Commissioners Analyst at (248)858-1067 or aubrya@oakgov.com. You can also contact your local County Commissioner for assistance.

Sincerely,

Penny Luebs
Oakland County Commissioner
Special Committee Chair

Gary McGillivray
Oakland County Commissioner
Special Committee Vice-Chair

Adam Kochenderfer
Oakland County Commissioner
Special Committee Member



BOARD OF COMMISSIONERS

1200 N. Telegraph Road
Pontiac, MI 48341-0475
Phone: (248) 858-0100
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2019 APPLICATION FORM

LOCAL ROAD IMPROVEMENT MATCHING FUND PILOT PROGRAM

Background: Oakland County has established a Local Road Improvement Matching Fund Pilot Program for the purposes of improving economic development in Oakland County cities and villages. The County intends this Program to assist its municipalities by offering limited matching funds for specific, targeted road maintenance and/or improvement projects on roadways under the jurisdiction of cities and villages.

Project Policies and Guidelines: The Oakland County Board of Commissioners and the Local Road Improvement Special Committee has established policies, procedures and guidelines for project consideration. These documents have been included as Attachment "A".

Available Funding: Oakland County's maximum contribution for projects in eligible cities or villages has been established within the distribution formula included as Attachment "B".

Required Matching Funds: A city or village participating in the Local Road Improvement Matching Fund program shall match any funds authorized by the Oakland County Board of Commissioners in an amount equal to a minimum of 50% of the cost of the total project award. Funding shall be utilized to supplement and enhance local road maintenance and improvement programs. Funding is not intended to replace existing budgeted local road programs or to replace funding already committed to road improvements.

REQUESTING LOCAL GOVERNMENT

MUNICIPALITY City of Rochester Hills	CONTACT PERSON Allan E. Schneck, P.E.	TELEPHONE NUMBER 248.841.2497
STREET ADDRESS 1000 Rochester Hills Drive	CITY/ZIP Rochester Hills, MI 48309	E-MAIL ADDRESS schnecka@rochesterhills.org

PROJECT INFORMATION

SHORT DESCRIPTION OF PROJECT

Reconstruct E. Auburn Road between Culbertson and Dequindre roads, including asphalt pavement, curb and gutter, sidewalk, storm sewer improvements, signage, and alleyway and side street improvements.

City File No. E16-015

ROAD/ROAD(S) TO BE IMPROVED

E. Auburn Road from Culbertson Ave. to Hessel Rd.

DESCRIPTION

The Auburn Rd. corridor reconstruction involves revitalizing the road from Culberston Ave. to Hessel Rd. into a new downtown for Rochester Hills. While commercial development throughout Rochester Hills has modernized the City, this district has consistently remained unchanged and is prime for redevelopment. The goal of the project is strengthen the overall district brand as a unique destination within Oakland County, calm traffic around neighborhoods, increase safety for drivers and pedestrians with new crossings, create a more walkable environment, stimulate business development, incorporate green elements, and promote city and property owner collaboration for reinvestment.

PROJECT BUDGET

MAX COUNTY MATCH \$132,415.00	LOCAL MATCH \$132,415.00	TOTAL PROJECT BUDGET \$12,229,179.14
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DESCRIPTION OF PROPOSED PROJECT EXPENDITURES

Local road improvements are currently estimated at: \$6,309,887.50

Please refer to attached documents for break down of project costs.

ECONOMIC IMPACT OF PROJECT

The Local Road Improvement Pilot Program has been established under MCL 123.872, the Gifts of Property Act, which provides that "A county may grant or loan funds to a township, village, or city located within that county for the purpose of encouraging and assisting businesses to locate and expand within the county."

DESCRIBE HOW THE PROJECT MEETS THE STATUTORY REQUIREMENT OF ENCOURAGING AND ASSISTING BUSINESS TO LOCATE AND EXPAND IN THE COUNTY

The City of Rochester Hills has earned national recognitions as one of the best 2014 Top 10 Best Places to live in America and ranked number 1 in Michigan by Money Magazine. Rochester Hills has a population of over 70,000 and is home to a variety of industries including tool and die, manufacturing and distribution, computer technology, and electronic research. Being an attractive community increases the demand to improve infrastructure within the city. Therefore, it is essential for Rochester Hills to improve and maintain its roadways in order to meet the needs of the city's residents and businesses that reside here.

Local road improvements are an important part of our infrastructure as they assist employees and consumers get to and from their destination safely and conveniently. Improving the roads increases safety and longevity as we can bring them to modern standards (install edge drains, increase pavement thickness, add 6-inch aggregate base). In particular for the Auburn Rd. corridor the amenities being incorporated into the road project, such as rain gardens, will be a tremendous improvement to overall aesthetics. New local parks and business exteriors are also some of the many ideas that are to be integrated into the project. With this in-mind it is expected that this area will become a very attractive destination for prospecting businesses and residents.

ADDITIONAL INFORMATION

The Local Road Improvement Program Special Committee of the Oakland County Board of Commissioners has been tasked with managing this program and making recommendations for project approval. Please supply any additional information you believe may be helpful in the consideration of your application.

OPTIONAL ADDITIONAL INFORMATION

REPORT FOLLOWING COMPLETION OF THE PROJECT

MCL 123.872 requires that "the grant or loan contract made by a county shall require a report to the county board of commissioners regarding the activities of the recipient and the degree to which the recipient has met the stated public purpose of the funding".

I, on behalf of the City of Rochester Hills, have been provided with a copy of the Policies and Procedures of the Local Road Improvement Program (Attachment "A") and agree to comply with these terms and conditions.

I, on behalf of the City of Rochester Hills, understand and agree to comply with the requirement to provide the Oakland County Board of Commissioners with a report following the completion of an approved project outlining the degree to which the project met the stated purpose of the funding.



Signature of Authorized Party

Allan E. Schneck, P.E. Department of Public Services Director

Printed Name and Title

4/24/2019

Date

Please return completed application to: Local Road Improvement Special Committee
Oakland County Board of Commissioners
1200 N. Telegraph Road
Pontiac, MI 48341-0475

A pdf copy of application can be emailed to: Amy Aubry, Analyst aubrya@oakgov.com

Questions regarding the application and approval process should be directed to Amy Aubry at the email address above or by phone at (248)858-1067.



OPINION OF PROBABLE PROJECT COST

ORCHARD, HILTZ & McCLIMENT, INC.

34000 Plymouth Road, Livonia, Michigan, 48150

Telephone: (734) 522-6711 FAX: (734) 522-6427

PROJECT: Auburn Road Corridor Improvements - Contract #1, #2, & #3
 LOCATION: Auburn Road - Rochester Hills
 WORK: Full-depth HMA pavt reconstruction, storm sewer, alley improvements,
 sidewalk, lighting, pavement markings, and signing from Culbertson to Hessel

DATE: April 8, 2019
 PROJECT #: 0190-17-0020
 ESTIMATOR: ML
 CHECKED BY: ML
 CURRENT ENR:

ITEM CODE	DESCRIPTION	UNIT	TOTAL	UNIT PRICE	COST
Contract #1					
	LAP ROADWAY PROJECT IMPROVEMENTS				
SUBTOTAL FOR CONTRACT #1					\$ 6,262,267.94
Contract #2					
	LOCAL PROJECT IMPROVEMENTS				
SUBTOTAL FOR CONTRACT #2					\$ 2,476,702.00
ITEMS OF WORKED REMOVED FROM CONTRACT 2 (CHARGING STATIONS/DUMPSTERS/A&S SIGN)					\$ (159,000.00)
REVISED SUBTOTAL FOR CONTRACT #2					\$ 2,317,702.00
Contract #3					
	ENTRY FEATURES AND PLAZA PROJECT				
ESTIMATED TOTAL FOR CONTRACT #3					\$ 2,000,000.00
SUBTOTAL ALL CONTRACTS					\$ 10,579,969.94
OTHER CITY COST:					
FRANCHISE UTILITY RELOCATIONS					\$ 50,000.00
STREET LIGHTING					\$ 354,748.20
ROW ACQUISITION					\$ 150,000.00
HOME DEMOLITION					\$ 51,000.00
CHARGING STATION/DUMPSTERS/A&S SIGN WORK (ASSUMED TOTAL)					\$ 100,000.00
ROW ACQUISITION SERVICES					\$ 90,000.00
DESIGN/CONSTRUCTION SERVICES (25%)					\$ 2,259,000.00
MATERIAL TESTING (2.5%)					\$ 269,000.00
SUBTOTAL					\$ 3,323,748.20
TOTAL PROJECT COST					\$ 13,903,718.14
POTENTIAL OUTSIDE FUNDING:					
MDOT TURNBACK MONIES					\$ (600,000.00)
TRANSPORTATION ALTERNATIVE PROGRAM (TAP GRANT)					\$ (481,318.00)
STPU FEDERAL AID					\$ (593,221.00)
SAFETY GRANT					
TOTAL OUTSIDE FUNDING					\$ (1,674,539.00)
TOTAL CITY COST					\$ 12,229,179.14



OPINION OF PROBABLE CONSTRUCTION COST

ORCHARD, HILTZ & McCLIMENT, INC.

34000 Plymouth Road, Livonia, Michigan, 48150

Telephone: (734) 522-6711 FAX: (734) 522-6427

PROJECT: Auburn Road Reconstruction
 LOCATION: Auburn Road - Culbertson to Dequindre
 WORK: Auburn Road Streetscape Improvements

DATE: January 25, 2019
 PROJECT #: 0190-17-0020
 ESTIMATOR: BW
 CHECKED BY: BW
 CURRENT ENR: ML

ITEM CODE	DESCRIPTION	UNIT	TOTAL	UNIT PRICE	COST
CATEGORY 1 - Participating					
1500001	Mobilization, Max	LSUM	0.38	\$ 558,000.00	\$ 212,040.00
2057021	Excavation, Earth, Rain Gardens, 12 inch depth	Cyd	569	\$ 20.00	\$ 11,380.00
8030046	Sidewalk, Conc, 6 inch	Sft	61446	\$ 5.50	\$ 337,953.00
8037010	Colored Exposed Aggregate Concrete, Nonreinf, 6 inch	Sft	15895	\$ 10.00	\$ 158,950.00
8037010	Colored Exposed Aggregate Concrete, Nonreinf, 8 inch	Sft	15324	\$ 12.00	\$ 183,888.00
8037010	Sidewalk, Conc, 8 inch	Sft	910	\$ 7.00	\$ 6,370.00
8150001	Site Preparation, Max	LSUM	1	\$ 110,000.00	\$ 110,000.00
8150603	Calamagrostis x acutiflora 'Karl Foerster', #1 cont.	Ea	458	\$ 15.00	\$ 6,870.00
8152496	Nepeta x faassenii 'Walkers Low', #1 cont.	Ea	169	\$ 15.00	\$ 2,535.00
8153167	Rhus aromatica 'Gro-Low', #3 cont.	Ea	82	\$ 55.00	\$ 4,510.00
8153279	Rudbeckia fuldiga 'Goldsturm', #1 cont.	Ea	751	\$ 15.00	\$ 11,265.00
8153421	Sedum 'Autumn Joy', #1 cont.	Ea	710	\$ 15.00	\$ 10,650.00
8153644	Sporobolus heterolepis, #1 cont.	Ea	692	\$ 15.00	\$ 10,380.00
8153811	Thuja occidentalis 'Emerald', 6 foot	Ea	17	\$ 300.00	\$ 5,100.00
8157050	Acer saccharum 'Green Mountain', 3 inch	Ea	5	\$ 550.00	\$ 2,750.00
8157050	Amelanchier laevis 'Spring Flurry', 8 foot	Ea	12	\$ 300.00	\$ 3,600.00
8157050	Ginkgo biloba 'Princeton Sentry', 3 inch	Ea	37	\$ 550.00	\$ 20,350.00
8157050	Gymnocladus dioicus 'Espresso', 3 inch	Ea	12	\$ 550.00	\$ 6,600.00
8157050	Iris virginica, #1 cont.	Ea	446	\$ 15.00	\$ 6,690.00
8157050	Juniperus chinensis var. sargentii, #3 cont.	Ea	155	\$ 55.00	\$ 8,525.00
8157050	Nyssa sylvatica, 3 inch	Ea	53	\$ 550.00	\$ 29,150.00
8157050	Panicum virgatum, #1 cont.	Ea	475	\$ 15.00	\$ 7,125.00
8157050	Physostegia virginiana, #1 cont.	Ea	152	\$ 15.00	\$ 2,280.00
8157050	Platanus x acerifolia 'Exclamation', 3 inch	Ea	33	\$ 550.00	\$ 18,150.00
8157050	Quercus rubra, 3 inch	Ea	5	\$ 550.00	\$ 2,750.00
8157050	Quercus x wari 'Long', 3 inch	Ea	40	\$ 550.00	\$ 22,000.00
8157050	Rosa carolina, #3 cont.	Ea	379	\$ 55.00	\$ 20,845.00
8157050	Schizachyrium scoparium, #1 cont.	Ea	379	\$ 15.00	\$ 5,685.00
8157050	Spiraea tomentosa, #1 cont.	Ea	219	\$ 30.00	\$ 6,570.00
8157050	Spiraea x bumalda 'Goldflame', #3 cont.	Ea	338	\$ 55.00	\$ 18,590.00
8157050	Zelkova serrata 'Green Vase', 3 inch	Ea	15	\$ 550.00	\$ 8,250.00
8157051	Watering and Cultivation, First Season, Modified	LSUM	1	\$ 55,000.00	\$ 55,000.00
8157051	Watering and Cultivation, Second Season, Modified	LSUM	1	\$ 65,000.00	\$ 65,000.00
8167001	L-Shaped Edging	Ft	242	\$ 10.00	\$ 2,420.00
8167010	Landscape Fabric	Sft	145	\$ 1.00	\$ 145.00
8167011	Double Shredded Hardwood Bark Mulch, 3" depth	Syd	3871	\$ 50.00	\$ 193,550.00
8167021	Cobble Stone	Cyd	3	\$ 150.00	\$ 450.00
8167021	Planting Mix	Cyd	1406	\$ 50.00	\$ 70,300.00
8167021	Rain Garden Planting Mix	Cyd	1137	\$ 60.00	\$ 68,220.00
8167051	Epoxy Adhesive	LSUM	1	\$ 1,000.00	\$ 1,000.00
CATEGORY 3 - Non-Participating					
8087001	Rain Garden Fence	Ft	3995	\$ 50.00	\$ 199,750.00
8087050	Bench	Ea	14	\$ 3,200.00	\$ 44,800.00
8087050	Bike Rack	Ea	25	\$ 500.00	\$ 12,500.00

ITEM CODE	DESCRIPTION	UNIT	TOTAL	UNIT PRICE	COST
8087050	Charging Station	Ea	14	\$ 2,000.00	\$ 28,000.00
8087050	Litter Receptacle	Ea	14	\$ 2,000.00	\$ 28,000.00
8087050	Recycling Receptacle	Ea	14	\$ 2,000.00	\$ 28,000.00
8087050	Tree Grate	Ea	16	\$ 2,600.00	\$ 41,600.00
8157051	Underground Automatic Irrigation System	LSUM	1	\$ 95,000.00	\$ 95,000.00
8190147	Conduit, Schedule 40, 2 inch	Ft	1067	\$ 15.00	\$ 16,005.00
8190151	Conduit, Schedule 40, 4 inch	Ft	1067	\$ 12.00	\$ 12,804.00
8190161	Conduit, Schedule 80 PVC, 4 inch	Ft	2266	\$ 30.00	\$ 67,980.00
SUBTOTAL FOR CATEGORY 1 - Participating					\$ 1,717,886.00
SUBTOTAL FOR CATEGORY 3 - Non-Participating					\$ 574,439.00
TOTAL OPINION OF PROBABLE CONSTRUCTION COST =					\$ 2,292,325.00



OPINION OF PROBABLE CONSTRUCTION COST

ORCHARD, HILTZ & McCLIMENT, INC.

34000 Plymouth Road, Livonia, Michigan, 48150

Telephone: (734) 522-6711 FAX: (734) 522-6427

PROJECT: Auburn Road Reconstruction
 LOCATION: Auburn Road - Culbertson to Dequindre
 WORK: Reconstruction of 0.5 miles of roadway including asphalt pavement,
 curb & gutter, sidewalk, storm sewer, pavement markings, street-
 scaping, signing, and modern roundabouts at multiple intersections.

DATE: January 31, 2019
 PROJECT #: 0190-17-0020
 ESTIMATOR: KR
 CHECKED BY: KR
 CURRENT ENR: ML

ITEM CODE	DESCRIPTION	UNIT	TOTAL	UNIT PRICE	COST
CATEGORY 1 -Roadway Participating					
1077060	Reimbursed Permit Fees	Dlr	20000	\$ 1.00	\$ 20,000.00
1500001	Mobilization, Max	LSUM	0.62	\$ 558,000.00	\$ 345,960.00
2020006	Stump, Rem, 19 inch to 36 inch	Ea	2	\$ 300.00	\$ 600.00
2030001	Culv, Rem, Less than 24 inch	Ea	2	\$ 350.00	\$ 700.00
2030011	Dr Structure, Rem	Ea	6	\$ 500.00	\$ 3,000.00
2030015	Sewer, Rem, Less than 24 inch	Ft	946	\$ 30.00	\$ 28,380.00
2040020	Curb and Gutter, Rem	Ft	3701	\$ 10.00	\$ 37,010.00
2040021	Curb, Rem	Ft	72	\$ 5.00	\$ 360.00
2040025	Fence, Rem	Ft	30	\$ 10.00	\$ 300.00
2040050	Pavt, Rem	Syd	6787	\$ 10.00	\$ 67,870.00
2040055	Sidewalk, Rem	Syd	2757	\$ 7.50	\$ 20,677.50
2047051	Relocate Sunoco Business Sign	LSUM	1	\$ 20,000.00	\$ 20,000.00
2047051	Remove Business Sign	LSUM	1	\$ 2,000.00	\$ 2,000.00
2050010	Embankment, CIP	Cyd	600	\$ 10.00	\$ 6,000.00
2050016	Excavation, Earth	Cyd	10867	\$ 20.00	\$ 217,340.00
2050031	Non Haz Contaminated Material Handling and Disposal, LM	Cyd	1000	\$ 30.00	\$ 30,000.00
2050041	Subgrade Undercutting, Type II	Cyd	2000	\$ 30.00	\$ 60,000.00
2057021	Subgrade Undercutting, Type II, Modified	Cyd	2000	\$ 30.00	\$ 60,000.00
2057050	Exploratory Excavation	Ea	30	\$ 500.00	\$ 15,000.00
2080020	Erosion Control, Inlet Protection, Fabric Drop	Ea	100	\$ 100.00	\$ 10,000.00
2080036	Erosion Control, Silt Fence	Ft	500	\$ 1.00	\$ 500.00
3020016	Aggregate Base, 6 inch	Syd	9903	\$ 9.00	\$ 89,127.00
3020020	Aggregate Base, 8 inch	Syd	15439	\$ 12.00	\$ 185,268.00
3020028	Aggregate Base, 11 inch	Syd	1354	\$ 14.00	\$ 18,956.00
3060020	Maintenance Gravel	Ton	1500	\$ 25.00	\$ 37,500.00
4010047	Culv End Sect, Conc, 12 inch	Ea	1	\$ 500.00	\$ 500.00
4010607	Culv, CI F, 12 inch	Ft	42	\$ 50.00	\$ 2,100.00
4020987	Sewer, CI IV, 12 inch, Tr Det B	Ft	2262	\$ 50.00	\$ 113,100.00
4020988	Sewer, CI IV, 15 inch, Tr Det B	Ft	493	\$ 57.00	\$ 28,101.00
4020989	Sewer, CI IV, 18 inch, Tr Det B	Ft	867	\$ 60.00	\$ 52,020.00
4020993	Sewer, CI IV, 24 inch, Tr Det B	Ft	191	\$ 110.00	\$ 21,010.00
4021230	Sewer Bulkhead, 12 inch	Ea	4	\$ 250.00	\$ 1,000.00
4021260	Trench Undercut and Backfill	Cyd	25	\$ 100.00	\$ 2,500.00
4021275	Video Taping Sewer and Culv Pipe	Ft	3606	\$ 1.00	\$ 3,606.00
4027001	Sewer, HDPE, 12 inch, Tr Det B	Ft	1634	\$ 50.00	\$ 81,700.00
4030005	Dr Structure Cover, Adj, Case 1	Ea	5	\$ 500.00	\$ 2,500.00
4030006	Dr Structure Cover, Adj, Case 2	Ea	1	\$ 500.00	\$ 500.00
4030010	Dr Structure Cover, Type B	Ea	15	\$ 500.00	\$ 7,500.00
4030015	Dr Structure Cover, Type C	Ea	3	\$ 500.00	\$ 1,500.00
4030035	Dr Structure Cover, Type E	Ea	3	\$ 400.00	\$ 1,200.00
4030050	Dr Structure Cover, Type K	Ea	46	\$ 650.00	\$ 29,900.00
4030070	Dr Structure Cover, Type R	Ea	5	\$ 620.00	\$ 3,100.00
4030200	Dr Structure, 24 inch dia	Ea	11	\$ 1,300.00	\$ 14,300.00
4030210	Dr Structure, 48 inch dia	Ea	57	\$ 1,800.00	\$ 102,600.00

ITEM CODE	DESCRIPTION	UNIT	TOTAL	UNIT PRICE	COST
4030220	Dr Structure, 60 inch dia	Ea	4	\$ 3,500.00	\$ 14,000.00
4030230	Dr Structure, 72 inch dia	Ea	1	\$ 4,000.00	\$ 4,000.00
4030250	Dr Structure, Add Depth of 48 inch dia, 8 foot to 15 foot	Ft	4	\$ 150.00	\$ 600.00
4030280	Dr Structure, Adj, Add Depth	Ft	32	\$ 225.00	\$ 7,200.00
4030312	Dr Structure, Tap, 12 inch	Ea	3	\$ 500.00	\$ 1,500.00
4030390	Dr Structure, Temp Lowering	Ea	11	\$ 500.00	\$ 5,500.00
4037050	Dr Structure Cover, ADA Compliant	Ea	3	\$ 500.00	\$ 1,500.00
4037050	Dr Structure Cover, Adj, Case 1, OCWRC	Ea	4	\$ 500.00	\$ 2,000.00
4037050	Dr Structure Tap, OCWRC, 18 inch	Ea	1	\$ 1,000.00	\$ 1,000.00
4037050	Dr Structure Tap, OCWRC, 24 inch	Ea	1	\$ 1,500.00	\$ 1,500.00
4037050	Dr Structure Tap, OCWRC, 6 inch	Ea	4	\$ 500.00	\$ 2,000.00
4037050	Dr Structure, YARD BASIN, 12 inch	Ea	47	\$ 1,000.00	\$ 47,000.00
4037050	Hydrodynamic Separator Structure, 2 cfs	Ea	2	\$ 35,000.00	\$ 70,000.00
4037050	Iron Curb Opening	Ea	46	\$ 150.00	\$ 6,900.00
4037050	Monitoring Well, Adjust	Ea	1	\$ 500.00	\$ 500.00
4037050	Sanitary Sewer Manhole Cover, Adj, Case 1	Ea	1	\$ 500.00	\$ 500.00
4037050	Sanitary Structure Manhole Cover	Ea	1	\$ 600.00	\$ 600.00
4040073	Underdrain, Subgrade, 6 inch	Ft	663	\$ 10.00	\$ 6,630.00
4040093	Underdrain Outlet, 6 inch	Ft	105	\$ 17.00	\$ 1,785.00
4067001	Trench Drain with Grate, 12 inch	Ft	184	\$ 50.00	\$ 9,200.00
5010001	Pavt, Cleaning	LSUM	1	\$ 5,000.00	\$ 5,000.00
5010005	HMA Surface, Rem	Syd	21411	\$ 4.00	\$ 85,644.00
5010009	Edge Trimming	Ft	515	\$ 5.00	\$ 2,575.00
5010025	Hand Patching	Ton	165	\$ 150.00	\$ 24,750.00
5010045	HMA, 3E3	Ton	3041	\$ 70.00	\$ 212,870.00
5010051	HMA, 4E3	Ton	1219	\$ 75.00	\$ 91,425.00
5010057	HMA, 5E3	Ton	1112	\$ 80.00	\$ 88,960.00
5010061	HMA Approach	Ton	907	\$ 90.00	\$ 81,630.00
5010703	HMA, LVSP	Ton	187	\$ 90.00	\$ 16,830.00
5017031	HMA Approach, Commercial	Ton	161	\$ 90.00	\$ 14,490.00
6027001	Joint Sealant	Ft	355	\$ 2.50	\$ 887.50
6030005	Cement	Ton	50	\$ 200.00	\$ 10,000.00
7057050	Conc Parking Rail	Ea	7	\$ 700.00	\$ 4,900.00
7057050	Conc Parking Rail, Rel	Ea	23	\$ 50.00	\$ 1,150.00
7060092	Reinforcement, Steel, Epoxy Coated	Lb	9299	\$ 1.50	\$ 13,948.50
8020002	Curb, Conc, Det E2	Ft	220	\$ 22.00	\$ 4,840.00
8020036	Curb and Gutter, Conc, Det F2	Ft	3205	\$ 22.00	\$ 70,510.00
8020037	Curb and Gutter, Conc, Det F3	Ft	168	\$ 22.00	\$ 3,696.00
8020038	Curb and Gutter, Conc, Det F4	Ft	5057	\$ 22.00	\$ 111,254.00
8020050	Driveway Opening, Conc, Det M	Ft	563	\$ 22.00	\$ 12,386.00
8027001	Curb and Gutter, Conc, Det D2, Modified	Ft	352	\$ 22.00	\$ 7,744.00
8027001	Curb and Gutter, Conc, Det F4, Modified	Ft	1019	\$ 24.00	\$ 24,456.00
8027001	Curb and Gutter, Conc, Det F4, Modified, Special	Ft	575	\$ 24.00	\$ 13,800.00
8030010	Detectable Warning Surface	Ft	847	\$ 40.00	\$ 33,880.00
8030030	Curb Ramp Opening, Conc	Ft	1245	\$ 25.00	\$ 31,125.00
8030036	Sidewalk Ramp, Conc, 6 inch	Sft	8761	\$ 7.50	\$ 65,707.50
8030044	Sidewalk, Conc, 4 inch	Sft	37318	\$ 4.00	\$ 149,272.00
8030046	Sidewalk, Conc, 6 inch	Sft	187	\$ 5.50	\$ 1,028.50
8050020	Curb Vertical, HMA	Ft	65	\$ 20.00	\$ 1,300.00
8077050	Post Mailbox, Remove and Reset	Ea	3	\$ 75.00	\$ 225.00
8080007	Fence, Protective	Ft	7000	\$ 5.00	\$ 35,000.00
8080061	Fence Gate, 16 foot, for 48 inch Chain Link Fence	Ea	1	\$ 2,000.00	\$ 2,000.00
8100340	Post Hole Through Conc for Steel Post	Ea	56	\$ 50.00	\$ 2,800.00
8100402	Sign, Type III, Erect, Salv	Ea	34	\$ 75.00	\$ 2,550.00
8100403	Sign, Type III, Rem	Ea	33	\$ 10.00	\$ 330.00
8100404	Sign, Type IIIA	Sft	135	\$ 15.00	\$ 2,025.00
8100405	Sign, Type IIIB	Sft	486	\$ 15.00	\$ 7,290.00
8107001	Perforated Black Steel Square Traffic Sign Post	Ft	1115	\$ 10.00	\$ 11,150.00
8110041	Pavt Mrkg, Ovly Cold Plastic, 12 inch, Crosswalk	Ft	2502	\$ 5.00	\$ 12,510.00
8110045	Pavt Mrkg, Ovly Cold Plastic, 24 inch, Stop Bar	Ft	33	\$ 10.00	\$ 330.00

ITEM CODE	DESCRIPTION	UNIT	TOTAL	UNIT PRICE	COST
8110048	Pavt Mrkg, Ovly Cold Plastic, Yield	Ea	8	\$ 150.00	\$ 1,200.00
8110063	Pavt Mrkg, Ovly Cold Plastic, Lt Turn Arrow Sym	Ea	1	\$ 250.00	\$ 250.00
8110153	Pavt Mrkg, Sprayable Thermopl, 4 inch, White	Ft	1806	\$ 0.50	\$ 903.00
8110154	Pavt Mrkg, Sprayable Thermopl, 4 inch, Yellow	Ft	1463	\$ 0.50	\$ 731.50
8110155	Pavt Mrkg, Sprayable Thermopl, 6 inch, White	Ft	117	\$ 1.00	\$ 117.00
8110156	Pavt Mrkg, Sprayable Thermopl, 6 inch, Yellow	Ft	430	\$ 1.00	\$ 430.00
8110159	Pavt Mrkg, Sprayable Thermopl, 12 inch, White	Ft	132	\$ 2.00	\$ 264.00
8110204	Pavt Mrkg, Preformed Thermoplastic, Accessible Sym	Ea	1	\$ 300.00	\$ 300.00
8110212	Pavt Mrkg, Thermopl, 12 inch, Cross Hatching, White	Ft	35	\$ 5.00	\$ 175.00
8110213	Pavt Mrkg, Thermopl, 12 inch, Cross Hatching, Yellow	Ft	183	\$ 5.00	\$ 915.00
8110231	Pavt Mrkg, Waterborne, 4 inch, White	Ft	198	\$ 0.50	\$ 99.00
8117001	Pavt Mrkg, Waterborne, 4 inch, Blue	Ft	95	\$ 0.50	\$ 47.50
8120012	Barricade, Type III, High Intensity, Double Sided, Lighted, Furn	Ea	65	\$ 85.00	\$ 5,525.00
8120013	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	Ea	65	\$ 1.00	\$ 65.00
8120026	Pedestrian Type II Barricade, Temp	Ea	20	\$ 200.00	\$ 4,000.00
8120030	Channelizing Device, 42 inch, Furn	Ea	220	\$ 10.00	\$ 2,200.00
8120031	Channelizing Device, 42 inch, Oper	Ea	220	\$ 1.00	\$ 220.00
8120170	Minor Traf Devices	LSUM	1	\$ 40,000.00	\$ 40,000.00
8120210	Pavt Mrkg, Longit, 6 inch or Less Width, Rem	Ft	3180	\$ 0.75	\$ 2,385.00
8120235	Pavt Mrkg, Wet Reflective, Type NR, Paint, 4 inch, White, Temp	Ft	2916	\$ 0.75	\$ 2,187.00
8120236	Pavt Mrkg, Wet Reflective, Type NR, Paint, 4 inch, Yellow, Temp	Ft	2882	\$ 0.75	\$ 2,161.50
8120245	Pavt Mrkg, Wet Reflective, Type R, Tape, 4 inch, White, Temp	Ft	2738	\$ 1.50	\$ 4,107.00
8120246	Pavt Mrkg, Wet Reflective, Type R, Tape, 4 inch, Yellow, Temp	Ft	3587	\$ 1.50	\$ 5,380.50
8120310	Sign Cover	Ea	10	\$ 50.00	\$ 500.00
8120332	Sign, Portable, Changeable Message, NTCIP-Compliant, Furn	Ea	2	\$ 2,000.00	\$ 4,000.00
8120333	Sign, Portable, Changeable Message, NTCIP-Compliant, Oper	Ea	2	\$ 100.00	\$ 200.00
8120340	Sign, Type A, Temp, Prismatic, Furn	Sft	272	\$ 3.00	\$ 816.00
8120341	Sign, Type A, Temp, Prismatic, Oper	Sft	272	\$ 1.00	\$ 272.00
8120350	Sign, Type B, Temp, Prismatic, Furn	Sft	2580	\$ 3.00	\$ 7,740.00
8120351	Sign, Type B, Temp, Prismatic, Oper	Sft	2580	\$ 1.00	\$ 2,580.00
8120352	Sign, Type B, Temp, Prismatic, Special, Furn	Sft	297	\$ 10.00	\$ 2,970.00
8120353	Sign, Type B, Temp, Prismatic, Special, Oper	Sft	297	\$ 1.00	\$ 297.00
8120370	Traf Regulator Control	LSUM	1	\$ 50,000.00	\$ 50,000.00
8127001	Pedestrian Path, Temp	Ft	160	\$ 20.00	\$ 3,200.00
8127050	Pedestrian Ramp, Temp	Ea	2	\$ 500.00	\$ 1,000.00
8167011	Turf Establishment, Performance	Syd	4323	\$ 6.00	\$ 25,938.00
8190010	Cable Pole, TS, Disman	Ea	1	\$ 125.00	\$ 125.00
8190026	Conduit, DB, 1, 1 1/4 inch	Ft	10	\$ 16.00	\$ 160.00
8190028	Conduit, DB, 1, 2 1/2 inch	Ft	370	\$ 15.00	\$ 5,550.00
8190029	Conduit, DB, 1, 3 inch	Ft	30	\$ 20.00	\$ 600.00
8190031	Conduit, DB, 2, 2 1/2 inch	Ft	5406	\$ 15.00	\$ 81,090.00
8190244	Hh, Adj	Ea	2	\$ 500.00	\$ 1,000.00
8190250	Hh, Polymer Conc	Ea	38	\$ 600.00	\$ 22,800.00
8190254	Hh, Rem	Ea	2	\$ 150.00	\$ 300.00
8190260	Hh, Round	Ea	1	\$ 950.00	\$ 950.00
8190501	Wood Pole, Fit Up, TS Cable Pole	Ea	1	\$ 700.00	\$ 700.00
8197050	Light Std Unit, Rel	Ea	1	\$ 1,000.00	\$ 1,000.00
8197050	Light Std Unit, Rem	Ea	3	\$ 1,000.00	\$ 3,000.00
8200100	Pedestal, Alum	Ea	1	\$ 800.00	\$ 800.00
8200105	Pedestal, Fdn	Ea	1	\$ 800.00	\$ 800.00
8200106	Pedestal Fdn, Rem	Ea	5	\$ 150.00	\$ 750.00
8200110	Pedestal, Rem	Ea	1	\$ 100.00	\$ 100.00
8200122	Pushbutton, Rem	Ea	4	\$ 50.00	\$ 200.00
8200124	Pushbutton Pedestal, Rem	Ea	4	\$ 100.00	\$ 400.00
8200135	Serv Disconnect	Ea	1	\$ 900.00	\$ 900.00
8200136	Serv Disconnect, Rem	Ea	1	\$ 100.00	\$ 100.00
8200183	Cabinet, Salv	Ea	1	\$ 350.00	\$ 350.00
8200184	Cabinet, Rem	Ea	1	\$ 125.00	\$ 125.00
8200425	Wireless Vehicle Sensor Node	Ea	3	\$ 900.00	\$ 2,700.00
8200426	Wireless Vehicle Sensor Node, Rem	Ea	6	\$ 125.00	\$ 750.00

ITEM CODE	DESCRIPTION	UNIT	TOTAL	UNIT PRICE	COST
8200427	Wireless Vehicle Sensor Node, Salv	Ea	6	\$ 350.00	\$ 2,100.00
8200453	TS Head, Temp	Ea	1	\$ 750.00	\$ 750.00
8207050	Fiber Optic School Speed Limit Sign, Rem, RCOG	Ea	1	\$ 300.00	\$ 300.00
8207050	Fiber Optic School Speed Limit Sign, Salv, RCOG	Ea	1	\$ 650.00	\$ 650.00
8207050	TS Face, Bag	Ea	14	\$ 225.00	\$ 3,150.00
8207050	TS Face, Bag, Rem	Ea	14	\$ 200.00	\$ 2,800.00
8210010	Monument Preservation	Ea	50	\$ 500.00	\$ 25,000.00
8230091	Hydrant, Rem	Ea	9	\$ 300.00	\$ 2,700.00
8230095	Hydrant, Relocate, Case 1	Ea	1.00	\$ 2,000.00	\$ 2,000.00
8237001	Gate Well Cover, Adj, Add Depth	Ft	20	\$ 500.00	\$ 10,000.00
8237001	Water Main, DI, 6-inch, Open Cut	Ft	411.00	\$ 50.00	\$ 20,550.00
8237050	Connect to Exist Water Main, 12-inch	Ea	5.00	\$ 3,000.00	\$ 15,000.00
8237050	Connect to Exist Water Main, 6-inch	Ea	4.00	\$ 1,500.00	\$ 6,000.00
8237050	Connect to Exist Water Main, 8-inch	Ea	5	\$ 2,000.00	\$ 10,000.00
8237050	Fire Hydrant Assembly	Ea	14	\$ 5,500.00	\$ 77,000.00
8237050	Gate Well Cover	Ea	23	\$ 500.00	\$ 11,500.00
8237050	Gate Well Cover, Adj, Case 1	Ea	16	\$ 500.00	\$ 8,000.00
8237050	Gate Well Cover, Adj, Case 2	Ea	2	\$ 500.00	\$ 1,000.00
8237050	Water Shutoff, Adj	Ea	31	\$ 200.00	\$ 6,200.00
CATEGORY 3 -Roadway Non-Participating					
1077051	Audio-Visual Filming	LSUM	1	\$ 5,000.00	\$ 5,000.00
3020020	Aggregate Base, 8 inch	Syd	120	\$ 12.00	\$ 1,440.00
3020028	Aggregate Base, 11 inch	Syd	3228	\$ 14.00	\$ 45,192.00
5010045	HMA, 3E3	Ton	388	\$ 70.00	\$ 27,160.00
5010051	HMA, 4E3	Ton	311	\$ 75.00	\$ 23,325.00
5010057	HMA, 5E3	Ton	233	\$ 80.00	\$ 18,640.00
8100340	Post Hole Through Conc for Steel Post	Ea	7	\$ 50.00	\$ 350.00
8100404	Sign, Type IIIA	Sft	11	\$ 15.00	\$ 165.00
8107001	Perforated Black Steel Square Traffic Sign Post	Ft	98	\$ 10.00	\$ 980.00
8110153	Pavt Mrkg, Sprayable Thermopl, 4 inch, White	Ft	1860	\$ 0.50	\$ 930.00
8110204	Pavt Mrkg, Preformed Thermoplastic, Accessible Sym	Ea	7	\$ 300.00	\$ 2,100.00
8237001	Sprinkler Line	Ft	500	\$ 5.00	\$ 2,500.00
8237050	Sprinkler Head, Relocate	Ea	25	\$ 50.00	\$ 1,250.00
8237050	Sprinkler Head, Replace	Ea	25	\$ 50.00	\$ 1,250.00
SUBTOTAL FOR CATEGORY 1 -Roadway Participating					\$ 3,694,595.50
SUBTOTAL FOR CATEGORY 3 -Roadway Non-Participating					\$ 130,282.00
TOTAL OPINION OF PROBABLE CONSTRUCTION COST =					\$ 3,824,877.50

Letting of April 05, 2019

Letting Call: 1904 046

Project: STU 63000-204558 , ETC

Local Agreement: 19-5110

Start Date: 10 days after award

Low Bid: \$6,262,267.94

Engineer Estimate: \$6,309,887.50

Pct Over/Under Estimate: -0.75 %

Completion Date: November 16, 2021

Description:

0.45 mi of hot mix asphalt pavement, earth excavation, aggregate base, concrete curb and gutter, sidewalk, storm sewer, crosswalks, landscaping, street furniture and pavement markings along Auburn Road from Culbertson Avenue to Hessel Avenue in the city of Rochester Hills, Oakland County. This is a Local Agency project.

6.00 % DBE participation required

Bidder	As-Submitted
Angelo lafrate Construction Company	\$6,262,267.94
Zifo Construction	\$7,059,426.55
Dan's Excavating, Inc.	\$7,442,651.37

Total Number of Bidders: 3