

**ANDERSON, ECKSTEIN & WESTRICK, INC.**

51301 Schoenherr Road
 Shelby Township, MI 48315
 Phone: 586-726-1234
 Fax No: 586-726-8780

AS-BID ESTIMATE**CITY OF ROCHESTER & ROCHESTER HILLS****SHARE OF COST**

AEW PROJECT NO. 0270-0045

PROJECT: Bloomer Road Paving Project
 (Starting 100ft south of Bloomer Ridge Dr to
 existing HMA Pavt near Windridge Ct)

OWNER: City of Rochester and
 City of Rochester Hills

PREPARED BY: Michael D. Smith, PE

DATE: May 6, 2014

CHECKED BY: Gordon B. Wilson, PE

DATE: May 6, 2014

WORK ITEM	QUANTITY	UNIT	UNIT PRICE	AMOUNT
CITY OF ROCHESTER SHARE				
Mobilization, Max. 3%	1.00	LS	\$ 4,620.00	\$ 4,620.00
Tree, Rem, 6 inch to 18 inch	6.00	Ea	\$ 192.25	\$ 1,153.50
Stump, Rem, 6 inch to 18 inch	1.00	Ea	\$ 75.89	\$ 75.89
Culv, Rem, 24 inch to 48 inch	0.00	Ea	\$ 283.31	\$ -
Dr Structure, Rem	1.00	Ea	\$ 328.85	\$ 328.85
Sewer, Rem, Less than 24 inch	39.00	Ft	\$ 7.34	\$ 286.26
Curb and Gutter, Rem	14.00	Ft	\$ 9.55	\$ 133.70
Pavt, Rem	21.00	Syd	\$ 9.46	\$ 198.66
Sidewalk, Rem	27.00	Syd	\$ 9.21	\$ 248.67
Granular Material, CI II	60.00	Cyd	\$ 25.09	\$ 1,505.40
Station Grading	3.80	Sta	\$ 4,213.64	\$ 16,011.83
Subgrade Undercutting, Type II, Modified	90.00	Cyd	\$ 44.91	\$ 4,041.90
Erosion Control, Silt Fence	932.00	Ft	\$ 1.16	\$ 1,081.12
Erosion Control, Inlet Filter	3.00	Ea	\$ 85.86	\$ 257.58
Aggregate Base, 6 inch, Modified	1,686.00	Syd	\$ 6.55	\$ 11,043.30
Aggregate Surface Cse	0.00	Cyd	\$ 84.42	\$ -
Maintenance Gravel	50.00	Ton	\$ 25.64	\$ 1,282.00
Geotextile, Separator	1,769.00	Syd	\$ 1.06	\$ 1,875.14
Sewer, CI E, 12 inch, Tr Det B	39.00	Ft	\$ 36.93	\$ 1,440.27
Sewer Tap, 6 inch	3.00	Ea	\$ 860.06	\$ 2,580.18
Dr Structure, 48 inch dia	2.00	Ea	\$ 1,037.13	\$ 2,074.26
Dr Structure, Adj, Add Depth	0.00	Ft	\$ 141.66	\$ -
Dr Structure, Tap, 6 inch	1.00	Ea	\$ 455.33	\$ 455.33
Dr Structure, Tap, 12 inch	1.00	Ea	\$ 455.33	\$ 455.33
Dr Structure Cover, Catch Basin	2.00	Ea	\$ 551.45	\$ 1,102.90
External Structure Wrap, 18 inch	0.00	Ea	\$ 455.33	\$ -
Underdrain, Subgrade, Open-Graded, 6 inch	964.00	Ft	\$ 11.13	\$ 10,729.32

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PROJECT: Bloomer Road Paving Project
 (Starting 100ft south of Bloomer Ridge Dr to
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PREPARED BY: Michael D. Smith, PE

DATE: May 6, 2014

CHECKED BY: Gordon B. Wilson, PE

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WORK ITEM	QUANTITY	UNIT	UNIT PRICE	AMOUNT
HMA Surface, Rem	186.00	Syd	\$ 4.94	\$ 918.84
Pavt for Butt Joints, Rem	91.00	Syd	\$ 6.30	\$ 573.30
HMA, 2C	367.00	Ton	\$ 62.77	\$ 23,036.59
HMA, 3C	204.00	Ton	\$ 64.36	\$ 13,129.44
HMA, 13A	173.00	Ton	\$ 76.50	\$ 13,234.50
HMA Approach	19.00	Ton	\$ 139.56	\$ 2,651.64
Driveway, Nonreinf Conc, 6 inch	22.00	Syd	\$ 31.77	\$ 698.94
Curb and Gutter, Conc, Det B2, Modified	0.00	Ft	\$ 15.18	\$ -
Curb and Gutter, Conc, Det F4	883.00	Ft	\$ 14.17	\$ 12,512.11
Spillway, Conc	0.00	Ft	\$ 43.51	\$ -
Sidewalk, Conc, 4 inch	1,543.00	Sft	\$ 2.83	\$ 4,366.69
Sidewalk, Conc, 6 inch	502.00	Sft	\$ 3.49	\$ 1,751.98
Sidewalk, Conc, 8 inch	476.00	Sft	\$ 4.15	\$ 1,975.40
Post, Mailbox	0.00	Ea	\$ 70.83	\$ -
Road Signage	1.00	LS	\$ 1,111.09	\$ 1,111.09
Pavement Striping	1.00	LS	\$ 1,050.29	\$ 1,050.29
Traffic Control and Maintenance	1.00	LS	\$ 1,838.44	\$ 1,838.44
Surface Restoration, Seeding	1,096.00	Syd	\$ 3.87	\$ 4,241.52
Irrigation Pipe, Furn and Install	60.00	Ft	\$ 4.60	\$ 276.00
Gate Well Cover, Adj, Case 2	0.00	Ea	\$ 328.85	\$ -
Sprinkler Head, Adj	9.00	Ea	\$ 28.33	\$ 254.97
Sprinkler Head, Furn and Install	9.00	Ea	\$ 39.46	\$ 355.14
Sanitary Sewer Lead, 6 inch, Tr Det B	165.00	Ft	\$ 50.59	\$ 8,347.35
Sanitary Manhole Cover, Adj, Case 2	0.00	Ea	\$ 354.14	\$ -
Audio Visual Record of Construction Area	1.00	LS	\$ 364.26	\$ 364.26
Discount (60% of \$5,000)	1.00	LS	\$ (3,000.00)	\$ (3,000.00)
ESTIMATED CONSTRUCTION COST (ROCHESTER ONLY):			\$	152,669.88



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<u>CITY OF ROCHESTER HILLS SHARE</u>				
Mobilization, Max. 3%	1.00	LS	\$ 3,080.00	\$ 3,080.00
Tree, Rem, 6 inch to 18 inch	5.00	Ea	\$ 192.25	\$ 961.25
Stump, Rem, 6 inch to 18 inch	0.00	Ea	\$ 75.89	\$ -
Culv, Rem, 24 inch to 48 inch	1.00	Ea	\$ 283.31	\$ 283.31
Dr Structure, Rem	0.00	Ea	\$ 328.85	\$ -
Sewer, Rem, Less than 24 inch	0.00	Ft	\$ 7.34	\$ -
Curb and Gutter, Rem	6.00	Ft	\$ 9.55	\$ 57.30
Pavt, Rem	0.00	Syd	\$ 9.46	\$ -
Sidewalk, Rem	0.00	Syd	\$ 9.21	\$ -
Granular Material, CI II	0.00	Cyd	\$ 25.09	\$ -
Station Grading	3.40	Sta	\$ 4,213.64	\$ 14,326.38
Subgrade Undercutting, Type II, Modified	60.00	Cyd	\$ 44.91	\$ 2,694.60
Erosion Control, Silt Fence	688.00	Ft	\$ 1.16	\$ 798.08
Erosion Control, Inlet Filter	4.00	Ea	\$ 85.86	\$ 343.44
Aggregate Base, 6 inch, Modified	1,270.00	Syd	\$ 6.55	\$ 8,318.50
Aggregate Surface Cse	10.00	Cyd	\$ 84.42	\$ 844.20
Maintenance Gravel	50.00	Ton	\$ 25.64	\$ 1,282.00
Geotextile, Separator	961.00	Syd	\$ 1.06	\$ 1,018.66
Sewer, CI E, 12 inch, Tr Det B	0.00	Ft	\$ 36.93	\$ -
Sewer Tap, 6 inch	0.00	Ea	\$ 860.06	\$ -
Dr Structure, 48 inch dia	0.00	Ea	\$ 1,037.13	\$ -
Dr Structure, Adj, Add Depth	10.00	Ft	\$ 141.66	\$ 1,416.60
Dr Structure, Tap, 6 inch	1.00	Ea	\$ 455.33	\$ 455.33
Dr Structure, Tap, 12 inch	0.00	Ea	\$ 455.33	\$ -
Dr Structure Cover, Catch Basin	0.00	Ea	\$ 551.45	\$ -
External Structure Wrap, 18 inch	2.00	Ea	\$ 455.33	\$ 910.66
Underdrain, Subgrade, Open-Graded, 6 inch	763.00	Ft	\$ 11.13	\$ 8,492.19

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WORK ITEM	QUANTITY	UNIT	UNIT PRICE	AMOUNT
HMA Surface, Rem	60.00	Syd	\$ 4.94	\$ 296.40
Pavt for Butt Joints, Rem	27.00	Syd	\$ 6.30	\$ 170.10
HMA, 2C	238.00	Ton	\$ 62.77	\$ 14,939.26
HMA, 3C	132.00	Ton	\$ 64.36	\$ 8,495.52
HMA, 13A	109.00	Ton	\$ 76.50	\$ 8,338.50
HMA Approach	19.00	Ton	\$ 139.56	\$ 2,651.64
Driveway, Nonreinf Conc, 6 inch	48.00	Syd	\$ 31.77	\$ 1,524.96
Curb and Gutter, Conc, Det B2, Modified	92.00	Ft	\$ 15.18	\$ 1,396.56
Curb and Gutter, Conc, Det F4	573.00	Ft	\$ 14.17	\$ 8,119.41
Spillway, Conc	4.00	Ft	\$ 43.51	\$ 174.04
Sidewalk, Conc, 4 inch	0.00	Sft	\$ 2.83	\$ -
Sidewalk, Conc, 6 inch	0.00	Sft	\$ 3.49	\$ -
Sidewalk, Conc, 8 inch	0.00	Sft	\$ 4.15	\$ -
Post, Mailbox	6.00	Ea	\$ 70.83	\$ 424.98
Road Signage	1.00	LS	\$ 1,111.09	\$ 1,111.09
Pavement Striping	1.00	LS	\$ 1,050.29	\$ 1,050.29
Traffic Control and Maintenance	1.00	LS	\$ 1,838.44	\$ 1,838.44
Surface Restoration, Seeding	1,304.00	Syd	\$ 3.87	\$ 5,046.48
Irrigation Pipe, Furn and Install	40.00	Ft	\$ 4.60	\$ 184.00
Gate Well Cover, Adj, Case 2	2.00	Ea	\$ 328.85	\$ 657.70
Sprinkler Head, Adj	6.00	Ea	\$ 28.33	\$ 169.98
Sprinkler Head, Furn and Install	6.00	Ea	\$ 39.46	\$ 236.76
Sanitary Sewer Lead, 6 inch, Tr Det B	0.00	Ft	\$ 50.59	\$ -
Sanitary Manhole Cover, Adj, Case 2	2.00	Ea	\$ 354.14	\$ 708.28
Audio Visual Record of Construction Area	1.00	LS	\$ 364.26	\$ 364.26
Discount (40% of \$5,000)	1.00	LS	\$ (2,000.00)	\$ (2,000.00)
ESTIMATED CONSTRUCTION COST (ROCHESTER HILLS ONLY):				\$ 101,181.14
ESTIMATED CONSTRUCTION COST (COMBINED):				\$ 253,851.02



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AS-BID COST SHARE BREAKDOWN

PROJECT COST (DE)

Design Engineering (60/40 Cost Share):	\$	19,250.00
Topographical Survey (50/50 Cost Share):	\$	7,000.00
Total Project Cost (DE):	\$	26,250.00

COMMUNITY SHARE (DE)

City of Rochester DE Cost Share:	\$	15,050.00
City of Rochester Hills DE Cost Share:	\$	11,200.00

PROJECT COST (CE)

Construction Engineering (60/40 Cost Share):	\$	13,850.00
Easement Documents (100% Rochester):	\$	803.50
Construction Geotechnical Field Testing Services (50/50 Cost Share):	\$	5,000.00
Construction Observation (60/40 Cost Share):	\$	13,850.00
Total Cost (CE):	\$	33,503.50

COMMUNITY SHARE (CE)

City of Rochester CE Cost Share:	\$	19,923.50
City of Rochester Hills CE Cost Share:	\$	13,580.00
Contingencies (10% of Total Construction Cost):	\$	25,390.00

ESTIMATED TOTAL COST:	\$	338,994.52
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City of Rochester Share:	\$	202,877.38
City of Rochester Hills Share:	\$	136,117.14