



CITY of NOVI CITY COUNCIL

Agenda Item 3
June 3, 2013

SUBJECT: Approval to award a construction contract for the 2013 Neighborhood Road Program—Contract 2 (Asphalt) to Cadillac Asphalt LLC, the low bidder, in the amount of \$662,772.

SUBMITTING DEPARTMENT: Department of Public Services, Engineering Division *BC*

CITY MANAGER APPROVAL: *[Signature]*

EXPENDITURE REQUIRED	\$ 613,704 (Neighborhood Roads) \$ 49,068 (Capital Preventative Maintenance) \$ 662,772 TOTAL
AMOUNT BUDGETED	\$1,300,000 (Neighborhood Roads) \$ 146,430 (Capital Preventative Maintenance)
LINE ITEM NUMBER	203-203.00-865.432 (Neighborhood Roads) 203-203.00-866.500 (Capital Preventative Maintenance)

BACKGROUND INFORMATION:

For several years, the City Council has made it a goal to invest annually in neighborhood streets to maintain the City's local road network. To implement this goal, the City selects several residential streets to be addressed based on an evaluation of the pavement condition using PASER ratings, field observations by staff, and resident concerns. The 2013 Neighborhood Road Program will implement the City's Asset Management approach for pavements that was established in 2009. This project includes multiple treatment methods which were determined during the design process based on our asset management approach, focused on preventative maintenance where appropriate and designed to extend the life of the City's roads in the most cost-effective manner.

The asset management program stresses the importance of using preventative maintenance to preserve good quality roads using low-cost rehabilitation techniques, rather than allowing the roads to deteriorate to a point that requires reconstruction involving much more effort at a higher cost. Roads that have deteriorated significantly will be addressed with rehabilitation methods such as overlays, panel replacements, and joint repairs to allow more efficient application of available road funds to maximize the number of neighborhood streets included in each year in the program.

This award is the second contract being awarded for the 2013 construction season and addresses the rehabilitation of asphalt streets listed below (also see attached map):

Road Segment	From	To	Material	PASER	Treatment
Rehabilitation					
Meridian Ln	Heatherbrae Way S	Siegal	Asphalt	3/5	Mill and Overlay with Interlayer
Dartmoor Dr	Barclay Dr	End	Asphalt	3/5	Mill and Overlay with Interlayer
Stratford Ln	Beck Rd	End	Asphalt	3	Mill and Overlay with Interlayer
York Mills	Barclay Dr	Dartmoor Dr	Asphalt	3/5	Mill and Overlay with Interlayer
Barclay Ct	Barclay Dr	End	Asphalt	3	Mill and Overlay with Interlayer
Barclay Dr	Nine Mile	Stratford Ln	Asphalt	3/5	Mill and Overlay with Interlayer
Hazelton Ct	Dartmoor Dr	End	Asphalt	3	Mill and Overlay with Interlayer
Perth Ct	Barclay Dr	End	Asphalt	4	Mill and Overlay with Interlayer
Dunnabeck Ct	Stratford Ln	End	Asphalt	5	Mill and Overlay with Interlayer

Road Segment	From	To	Material	PASER	Treatment
Capital Preventative Maintenance					
Brook Forest Rd	Heatherbrook	Nine Mile	Asphalt	7	Slurry Seal
Heatherbrae Way	Heatherbrook	Nine Mile	Asphalt	7/8	Slurry Seal
Heatherbrook Ln	Heatherbrae	Heatherwoode	Asphalt	5/8	Slurry Seal
Deerfield Rd	Heatherbrook	Oakwood	Asphalt	7	Slurry Seal
Oakwood Dr	Brookforest	Heatherwoode	Asphalt	6/7	Slurry Seal
Sheridan Dr	Heatherbrook	Oakwood	Asphalt	7	Slurry Seal
Winfield Rd	Heatherbrook	Oakwood	Asphalt	8	Slurry Seal

The asphalt streets to be rehabilitated by milling off the existing pavement and repaving (overlay) will also include a pavement interlayer intended to reduce reflective cracking and to prevent water infiltration through the pavement into the base layers. The interlayer is intended to extend the useful life of the pavement. Two types of interlayers were selected as alternates for this contract; one is a polypropylene nonwoven fabric, and the other is a spray applied emulsion with imbedded fiberglass. Following review of the bids, the fabric interlayer was selected for this construction contract since it was significantly cheaper, and it is a product staff has some familiarity with as it has been used previously for a road rehabilitation project.

The Capital Preventative Maintenance component of this year's program involves the application of a slurry seal, which is an asphalt emulsion applied to the surface of the road. Slurry seals are typically used on roads that are in good condition with only minor defects to seal the surface and prolong the useful life of the pavement.

Six (6) bids were received and opened on May 22, 2013 following a public bid solicitation period. The lowest bidder is Cadillac Asphalt. Cadillac's bid is recommended as being in the best interest of the City as it is responsive (i.e., Cadillac has complied with all requirements of the bidding instructions) and it is the lowest price. (URS' award recommendation letter including the bid tabulation dated May 23, 2013 is attached.) A summary of the six bids is as follows:

Contractor	Base Bid	Alternate 1	Alternate 2	Bid Price + Alternate 1 (including Crew Days)*	
Cadillac Asphalt	\$625,580.30	\$64,711.36	\$131,444.95	\$690,291.66	Low Bidder
Florence Cement	\$661,839.80	\$66,444.70	\$130,000.50	\$728,284.50	
Ajax Paving	\$688,850.42	\$66,444.70	\$129,711.61	\$755,295.12	
Nagle Paving	\$714,612.45	\$86,667.00	\$144,445.00	\$801,279.45	
Pro-Line Asphalt	\$747,880.75	\$71,066.94	\$140,111.65	\$818,947.69	
Pavex Corp	\$694,227.39	\$130,000.00	No Bid	\$824,227.89	

*Crew Days are included to compare bids, but are not included in the award.

This project was included in the FY2012-13 Capital Improvement Program (CIP) in the budgeted amount of \$1,300,000 for construction of which \$338,477 was awarded for the first construction contract (Concrete-Contract 1) and \$662,772 is now being recommended for award to Cadillac for this construction contract (Contract 2). There is \$298,751 remaining in the FY12-13 budget for construction and an additional \$300,000 (approved in the FY13-14 budget) available for construction award after July 1. Staff may recommend award of a third contract this construction season or may recommend change orders to the existing two contracts. A recommendation from staff on the award of the remaining \$598,751 of construction funding for the 2013 construction season will be forthcoming by late June.

Construction of the project will begin this summer and be substantially complete this construction season.

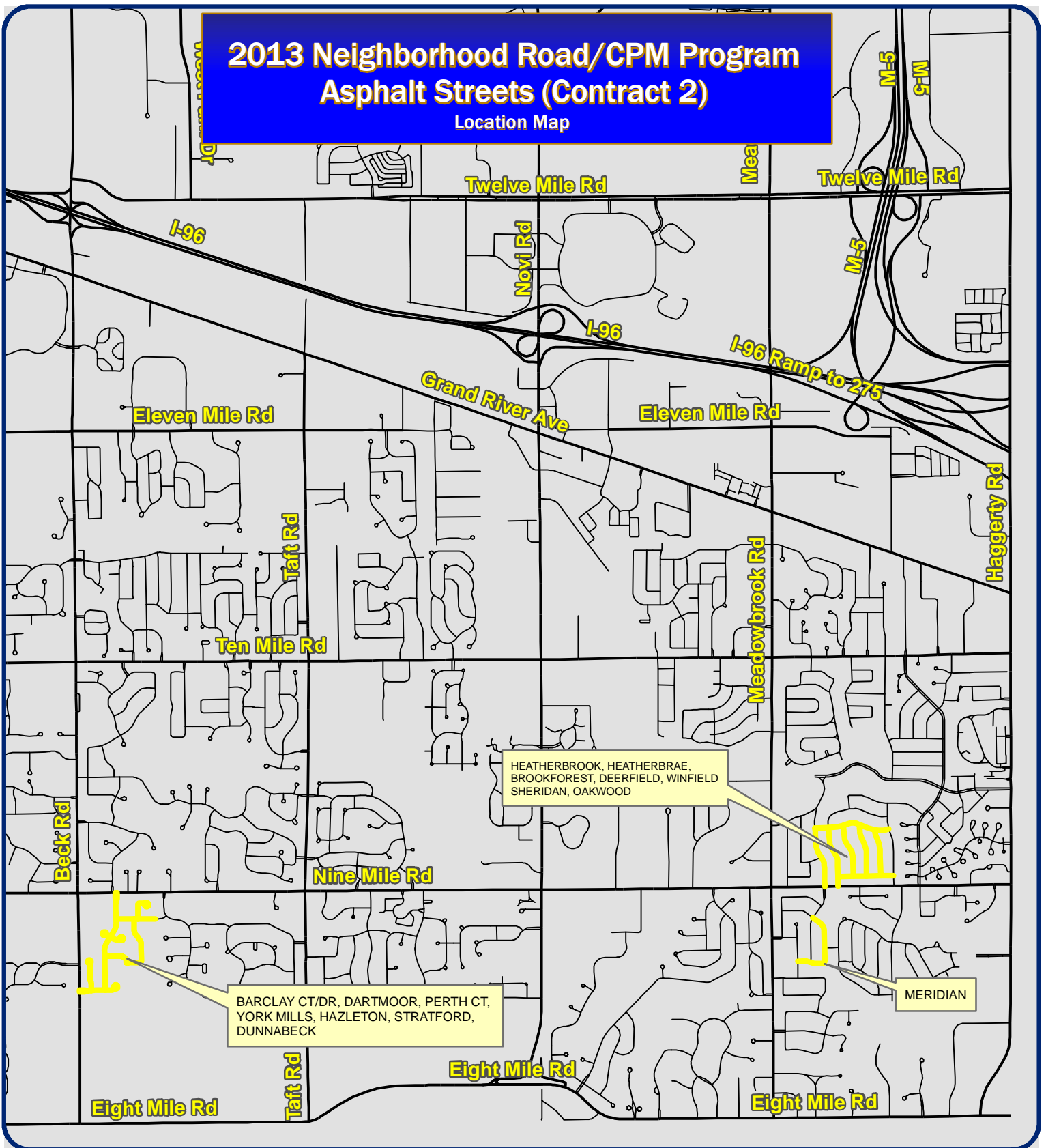
RECOMMENDED ACTION: Approval to award a construction contract for the 2013 Neighborhood Road Program—Contract 2 (Asphalt) to Cadillac Asphalt LLC, the low bidder, in the amount of \$662,772.

	1	2	Y	N
Mayor Gatt				
Mayor Pro Tem Staudt				
Council Member Casey				
Council Member Fischer				

	1	2	Y	N
Council Member Margolis				
Council Member Mutch				
Council Member Wrobel				

2013 Neighborhood Road/CPM Program Asphalt Streets (Contract 2)

Location Map



Map Author: Croy
Date: 5/20/2013
Project: 2013 NRP/CPM HMA Contract 2
Version #: v4.0

MAP INTERPRETATION NOTICE

Map information depicted is not intended to replace or substitute for any official or primary source. This map was intended to meet National Map Accuracy Standards and use the most recent, accurate sources available to the people of the City of Novi. Boundary measurements and area calculations are approximate and should not be construed as survey measurements performed by a licensed Michigan Surveyor as defined in Michigan Public Act 132 of 1970 as amended. Please contact the City GIS Manager to confirm source and accuracy information related to this map.

Legend

 2013 Asphalt Streets



City of Novi
Engineering Division
Department of Public Services
26300 Lee BeGole Drive
Novi, MI 48375
cityofnovi.org



1 inch = 3,000 feet



May 23, 2013

Mr. Ben Croy, PE
City of Novi
Engineering Department
26300 Lee Begole Drive
Novi, MI 48375

Reference: Bid Analysis and Contract Award Recommendation
2013 Neighborhood Roads and CPM Program, Asphalt Roadways, Contract 2
URS Project Number 12943815B

Dear Mr. Croy:

Attached is the Bid Tabulation for the above referenced project. Six (6) bids were received and opened. Competition appears to have been adequate.

There are minor arithmetic errors in the bids received from Pavex Corporation. After corrections, the order of bidders did not change. Pavex Corporation submitted a bid; however, they did not receive plans directly from URS, were not on the bidders list, and did not receive the addenda issued for the project. No other irregularities were noted in the bids.

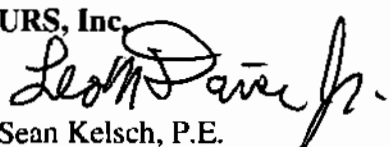
We have worked previously with the low bidder, Cadillac Asphalt, LLC and they have performed well on similar projects. The bonding company listed in their statement of qualifications has A.M. Best Key rating of "A", which exceeds the minimum requirements.

We therefore recommend award of the Base Bid plus Alternate 1 to Cadillac Asphalt LLC for the Bid Amount, excluding crew day costs, of \$662,772.

Please call me at (616) 574-8497 if you need anything else or wish to discuss the project.

Sincerely,

URS, Inc.


Sean Kelsch, P.E.
Project Manager

For :

cc: Jason Fisher, URS

City of Novi
2013 Neighborhood Road and CPM Program, Asphalt Roadways, Contract 2
Tabulation of Bids
 Bids Opened 05/22/2013
 12943815B

Item No.	Item Description	Unit	Quantity	Engineers Estimate		Cadillac Asphalt, LLC		Florence Cement Company		Ajax Paving Industries, Inc.		Pavex Corporation		Nagle Paving Company		Pro-Line Asphalt Paving Corp.	
				Unit Price	Cost	Unit Price	Cost	Unit Price	Cost	Unit Price	Cost	Unit Price	Cost	Unit Price	Cost	Unit Price	Cost
1	Mobilization	LS	1	\$ 74,400.00	\$ 74,400.00	\$ 25,100.00	\$ 25,100.00	\$ 13,000.00	\$ 13,000.00	\$ 25,000.00	\$ 25,000.00	\$ 35,000.00	\$ 35,000.00	\$ 20,000.00	\$ 20,000.00	\$ 26,000.00	\$ 26,000.00
2	Maintaining Traffic	LS	1	\$ 40,000.00	\$ 40,000.00	\$ 2,500.00	\$ 2,500.00	\$ 15,000.00	\$ 15,000.00	\$ 30,000.00	\$ 30,000.00	\$ 10,000.00	\$ 10,000.00	\$ 8,500.00	\$ 8,500.00	\$ 4,500.00	\$ 4,500.00
3	Erosion Control, Silt Fence	Ft	248	\$ 1.25	\$ 310.00	\$ 1.20	\$ 297.60	\$ 1.30	\$ 322.40	\$ 1.20	\$ 297.60	\$ 2.00	\$ 496.00	\$ 2.00	\$ 496.00	\$ 1.40	\$ 347.20
4	Erosion Control, Inlet Protection, Fabric Drop	Ea	55	\$ 80.00	\$ 4,400.00	\$ 80.00	\$ 4,400.00	\$ 73.00	\$ 4,015.00	\$ 80.00	\$ 4,400.00	\$ 90.00	\$ 4,950.00	\$ 85.00	\$ 4,675.00	\$ 55.93	\$ 3,076.15
5	Surface Restoration	LS	1	\$ 2,000.00	\$ 2,000.00	\$ 5,000.00	\$ 5,000.00	\$ 8,000.00	\$ 8,000.00	\$ 15,000.00	\$ 15,000.00	\$ 12,000.00	\$ 12,000.00	\$ 2,500.00	\$ 2,500.00	\$ 3,000.00	\$ 3,000.00
6	Dr Structure Cover, Adj, Case 2	Ea	44	\$ 200.00	\$ 8,800.00	\$ 450.00	\$ 19,800.00	\$ 450.00	\$ 19,800.00	\$ 350.00	\$ 15,400.00	\$ 350.00	\$ 15,400.00	\$ 350.00	\$ 15,400.00	\$ 425.00	\$ 18,700.00
7	Dr Structure Cover, EJ #7045M1	Ea	3	\$ 580.00	\$ 1,740.00	\$ 505.00	\$ 1,515.00	\$ 560.00	\$ 1,680.00	\$ 650.00	\$ 1,950.00	\$ 500.00	\$ 1,500.00	\$ 500.00	\$ 1,500.00	\$ 800.00	\$ 2,400.00
8	Reconstruct Drainage Structure	Ft	40	\$ 100.00	\$ 4,000.00	\$ 150.00	\$ 6,000.00	\$ 150.00	\$ 6,000.00	\$ 250.00	\$ 10,000.00	\$ 270.00	\$ 10,800.00	\$ 175.00	\$ 7,000.00	\$ 175.00	\$ 7,000.00
9	Point-up Drainage Structure	Ea	5	\$ 200.00	\$ 1,000.00	\$ 200.00	\$ 1,000.00	\$ 130.00	\$ 650.00	\$ 125.50	\$ 627.50	\$ 200.00	\$ 1,000.00	\$ 200.00	\$ 1,000.00	\$ 250.00	\$ 1,250.00
10	Subgrade Undercutting, Type II	Cyd	25	\$ 30.00	\$ 750.00	\$ 20.00	\$ 500.00	\$ 29.00	\$ 725.00	\$ 20.00	\$ 500.00	\$ 50.00	\$ 1,250.00	\$ 37.00	\$ 925.00	\$ 45.00	\$ 1,125.00
11	Remove Pavement	Syd	2956	\$ 7.50	\$ 22,170.00	\$ 9.00	\$ 26,604.00	\$ 11.00	\$ 32,516.00	\$ 9.00	\$ 26,604.00	\$ 5.37	\$ 15,873.72	\$ 8.00	\$ 23,648.00	\$ 24.00	\$ 70,944.00
12	Curb and Gutter, Rem	Ft	871	\$ 12.00	\$ 10,452.00	\$ 10.40	\$ 9,058.40	\$ 14.00	\$ 12,194.00	\$ 10.40	\$ 9,058.40	\$ 5.00	\$ 4,355.00	\$ 8.00	\$ 6,968.00	\$ 13.80	\$ 12,019.80
13	Cold Milling HMA Surface	Syd	28889	\$ 2.25	\$ 65,000.25	\$ 1.50	\$ 43,333.50	\$ 1.90	\$ 54,889.10	\$ 1.48	\$ 42,755.72	\$ 2.03	\$ 58,644.67	\$ 1.75	\$ 50,555.75	\$ 1.50	\$ 43,333.50
14	Sidewalk, Rem	Syd	344	\$ 6.00	\$ 2,064.00	\$ 10.75	\$ 3,698.00	\$ 8.00	\$ 2,752.00	\$ 10.75	\$ 3,698.00	\$ 4.50	\$ 1,548.00	\$ 10.00	\$ 3,440.00	\$ 7.35	\$ 2,528.40
15	Aggregate Base, 21AA, 8-Inch	Syd	688	\$ 9.00	\$ 6,192.00	\$ 14.25	\$ 9,804.00	\$ 8.50	\$ 5,848.00	\$ 14.25	\$ 9,804.00	\$ 10.00	\$ 6,880.00	\$ 7.65	\$ 5,263.20	\$ 17.75	\$ 12,212.00
16	Geotextile, Separator	Syd	400	\$ 3.00	\$ 1,200.00	\$ 5.30	\$ 2,120.00	\$ 1.20	\$ 480.00	\$ 5.30	\$ 2,120.00	\$ 2.00	\$ 800.00	\$ 2.00	\$ 800.00	\$ 1.75	\$ 700.00
17	Joint and Crack, Cleanout	Ft	11855	\$ 0.75	\$ 8,891.25	\$ 1.00	\$ 11,855.00	\$ 1.70	\$ 20,153.50	\$ 1.50	\$ 17,782.50	\$ 2.00	\$ 23,710.00	\$ 6.00	\$ 71,130.00	\$ 1.17	\$ 13,870.35
18	Hand Patching	Ton	113	\$ 125.00	\$ 14,125.00	\$ 75.00	\$ 8,475.00	\$ 95.00	\$ 10,735.00	\$ 130.00	\$ 14,690.00	\$ 150.00	\$ 16,950.00	\$ 140.00	\$ 15,820.00	\$ 100.00	\$ 11,300.00
19	Pavt Joint and Crack Repair	Ft	11855	\$ 2.50	\$ 29,637.50	\$ 2.00	\$ 23,710.00	\$ 2.20	\$ 26,081.00	\$ 4.00	\$ 47,420.00	\$ 2.00	\$ 23,710.00	\$ 4.40	\$ 52,162.00	\$ 2.00	\$ 23,710.00
20	Overband Crack Seal, Roadbed	Rbmi	2	\$ 4,000.00	\$ 8,000.00	\$ 2,850.00	\$ 5,700.00	\$ 2,900.00	\$ 5,800.00	\$ 2,850.00	\$ 5,700.00	\$ 2,850.00	\$ 5,700.00	\$ 3,100.00	\$ 6,200.00	\$ 3,100.00	\$ 6,200.00
21	Concrete Curb and Gutter	Ft	871	\$ 25.00	\$ 21,775.00	\$ 22.00	\$ 19,162.00	\$ 20.00	\$ 17,420.00	\$ 22.00	\$ 19,162.00	\$ 16.00	\$ 13,936.00	\$ 18.00	\$ 15,678.00	\$ 33.00	\$ 28,743.00
22	HMA, 4C	Ton	3591	\$ 70.00	\$ 251,370.00	\$ 66.00	\$ 237,006.00	\$ 71.00	\$ 254,961.00	\$ 68.00	\$ 244,188.00	\$ 77.00	\$ 276,507.00	\$ 68.00	\$ 244,188.00	\$ 70.85	\$ 254,422.35
23	HMA, 3C	Ton	358	\$ 100.00	\$ 35,800.00	\$ 141.45	\$ 50,639.10	\$ 90.00	\$ 32,220.00	\$ 105.00	\$ 37,590.00	\$ 77.00	\$ 27,566.00	\$ 84.00	\$ 30,072.00	\$ 125.00	\$ 44,750.00
24	Seal, Slurry	Syd	20880	\$ 2.50	\$ 52,200.00	\$ 2.35	\$ 49,068.00	\$ 2.40	\$ 50,112.00	\$ 2.35	\$ 49,068.00	\$ 2.35	\$ 49,068.00	\$ 2.60	\$ 54,288.00	\$ 2.60	\$ 54,288.00
25	Concrete Driveway	Syd	100	\$ 35.00	\$ 3,500.00	\$ 30.00	\$ 3,000.00	\$ 9.00	\$ 900.00	\$ 30.00	\$ 3,000.00	\$ 36.00	\$ 3,600.00	\$ 36.00	\$ 3,600.00	\$ 39.00	\$ 3,900.00
26	Sidewalk, Conc, 4 inch	Sft	200	\$ 4.00	\$ 800.00	\$ 4.50	\$ 900.00	\$ 36.50	\$ 7,300.00	\$ 4.50	\$ 900.00	\$ 4.00	\$ 800.00	\$ 4.75	\$ 950.00	\$ 6.00	\$ 1,200.00
27	Sidewalk, Conc, 6 inch	Sft	100	\$ 5.00	\$ 500.00	\$ 5.00	\$ 500.00	\$ 4.20	\$ 420.00	\$ 5.00	\$ 500.00	\$ 6.00	\$ 600.00	\$ 5.00	\$ 500.00	\$ 6.00	\$ 600.00
28	Sidewalk Ramp, Conc, 6 inch	Sft	2799	\$ 5.00	\$ 13,995.00	\$ 5.00	\$ 13,995.00	\$ 4.70	\$ 13,155.30	\$ 5.00	\$ 13,995.00	\$ 6.00	\$ 16,794.00	\$ 5.50	\$ 15,394.50	\$ 6.00	\$ 16,794.00
29	ADA Detectable Warning Plate - New Construction	Sft	390	\$ 20.00	\$ 7,800.00	\$ 19.10	\$ 7,449.00	\$ 5.50	\$ 2,145.00	\$ 19.10	\$ 7,449.00	\$ 60.00	\$ 23,400.00	\$ 15.00	\$ 5,850.00	\$ 33.50	\$ 13,065.00
30	Underdrain, Subbase, 6 inch	Ft	593	\$ 6.50	\$ 3,854.50	\$ 9.90	\$ 5,870.70	\$ 13.50	\$ 8,005.50	\$ 9.90	\$ 5,870.70	\$ 13.00	\$ 7,709.00	\$ 13.00	\$ 7,709.00	\$ 14.00	\$ 8,302.00
31	Crew Days	Day	\$ 640.00	\$ 30	\$ 19,200.00	\$ 43	\$ 27,520.00	\$ 54	\$ 34,560.00	\$ 38	\$ 24,320.00	\$ 37	\$ 23,680.00	\$ 60	\$ 38,400.00	\$ 90	\$ 57,600.00
BASE BID TOTAL					\$ 715,926.50		\$ 625,580.30		\$ 661,839.80		\$ 688,850.42		\$ 694,227.39		\$ 714,612.45		\$ 747,880.75
32	ALTERNATE 1 - Fabric Interlayer	Syd	28889	\$ 3.25	\$ 93,889.25	\$ 2.24	\$ 64,711.36	\$ 2.30	\$ 66,444.70	\$ 2.30	\$ 66,444.70	\$ 4.50	\$ 130,000.50	\$ 3.00	\$ 86,667.00	\$ 2.46	\$ 71,066.94
33	ALTERNATE 2 - Fibermat	Syd	28889	\$ 3.25	\$ 93,889.25	\$ 4.55	\$ 131,444.95	\$ 4.50	\$ 130,000.50	\$ 4.49	\$ 129,711.61	\$ -	\$ -	\$ 5.00	\$ 144,445.00	\$ 4.85	\$ 140,111.65
BASE BID PLUS ALTERNATE 1					\$ 809,815.75		\$ 690,291.66		\$ 728,284.50		\$ 755,295.12		\$ 824,227.89		\$ 801,279.45		\$ 818,947.69
BASE BID PLUS ALTERNATE 2					\$ 809,815.75		\$ 757,025.25		\$ 791,840.30		\$ 818,562.03		NA		\$ 859,057.45		\$ 887,992.40

Bold Indicates Corrected Entry

Base + Alt 1 Award Amount \$ 662,772.00
 Base + Alt 2 Award Amount \$ 729,505.00

Reviewed and Certified Correct:

 Leo Davies, PE
 URS Corporation