AGENDA Municipal Services Committee July 23, 2012 6:30 P.M. – Council Chambers

- 1. Call to Order & Roll Call
- 2. Establishment of Quorum
- 3. New Business
 - **Resolution -** Authorizing the Mayor and City Clerk to Execute a Contract with North Suburban Asphalt Maintenance in an amount not to exceed \$87,120.00 for the 2012 Crack Fill Program
 - Motion Authorizing City staff to proceed with the City Entrance Sign
 Project at various locations
 - c. Resolution Accepting a proposal from Presta Constructions Inc for the concrete footing and walls in an amount not to exceed \$15,000.00 for the City's Entrance signs
 - d. Resolution Accepting a proposal from LaGrange Materials Inc for the concrete masonry units-concrete block hollow, in an amount not to exceed \$1,265.90 for the City's Entrance signs
 - e. Resolution Accepting a proposal from Les Moore & Company, LLC for the Cultured Stone-Shale Pro Fit Ledgestone PF8016 in an amount not to exceed \$11,650.00 for the City's Entrance signs
 - **f. Resolution** Accepting a proposal from Pro Masonry Express for the 36-inch Pier Caps in an amount not to exceed \$5,200.00 for the City's Entrance signs
 - g. Resolution Accepting a proposal from Pioneer Construction Inc. for the masonry work-placement of the concrete block and cultured stone in an amount not to exceed \$14,133.36 for the City's Entrance signs
 - Resolution Accepting a proposal from Meno Stone Company for the
 City's stone monument signs in an amount not to exceed \$15,000.00 for
 the City's Entrance Signs

- i. Resolution Accepting a proposal from Schramm Landscaping Inc. to supply selected plant species, planting and mulching for the landscaping in an amount not to exceed \$16,000.00 for the City's Entrance signs
- j. Motion Authorizing expenditures related to the City's Entrance Sign Project for steel brackets, stone, asphalt, soil excavation analysis, dump fees, trucking and a contingency in an amount not to exceed \$8,800.00 for the City's Entrance Signs
- Resolution Resolution Authorizing the purchase of one (1) new 2012
 Ford F-150 Pick Up from Morrow Brothers Ford, Inc. in the amount of \$22,604.00
- Minutes June 18, 2012 Special Municipal Services Committee
 June 25, 2012 Municipal Services Committee
- **m. Update** Emerald Ash Borer
- 4. Director's Report
- **5. Next scheduled meeting** Monday, August 27, 2012.
- 6. Adjournment

AGENDA MEMO

Municipal Services Committee July 23, 2012

ISSUE STATEMENT

A resolution authorizing the Mayor and City Clerk to execute a contract with North Suburban Asphalt Maintenance in an amount not to exceed \$91,476.00 for the 2012 Crack Fill Program.

BACKGROUND/HISTORY

The FY 12/13 Budget includes funds for the 2012 Crack Fill Program. Attached please find the Crack Sealing Schedule labeled as Attachment 1. Crack sealing is a routine maintenance treatment that will significantly delay roadway deterioration. The sealing material is applied into the cracks before they become too large and before the freeze-thaw cycles have an opportunity to shift the pavement and develop larger cracks (alligatoring). Flexible rubberized asphalt sealants bond to crack walls and move with the pavement, preventing water from entering the road base. The life of the road is extended and maintenance costs greatly reduced over time.

The scope of the program includes all cracks to be routed with a low dust mechanical router to a depth of 3" and a width of 3". Upon completion of the routing, all dirt, debris, and water shall be removed from the cracks. The method of removal is completed by utilizing a blow pipe which blows compressed air from a pull behind conventional air compressor. The crack is then filled with a rubber sealant which is feathered to a width of approximately 3-inches in width. Attachment 1 is the proposed schedule for the Crack Fill Program.

Sealed bids were opened on July 12, 2012 at the Darien City Hall. Staff had received 2 competitive bids for the Crack Sealing Program. See attached bid tally labeled as Attachment 2. Staff is requesting a 5% pound contingency in the event additional cracks are identified in the field.

VENDOR	BASE COST	CONTINGENCY	BID RESULTS WITH CONTINGENCY
North Suburban Asphalt Maintenance	\$87,120.00	\$4,356.00	\$91,476.00
SKC Construction	\$90,420.00	\$4,521.00	\$94,941.00

The proposed Crack Sealing Program would be funded from the following FY12-13 Budget:

ACCOUNT NUMBER	ACCOUNT DESCRIPTION	FY 12-13 BUDGET	YEAR TO DATE EXPENDED	PROPOSED EXPENDITURE	PROPOSED BALANCE
25-35-4382	CRACK FILL PROGRAM	\$92,400.00	-0-	\$ 91,476.00	\$ 924.00

2012 Crack Fill Program July 23, 2012 Page 2

STAFF RECOMMENDATION

Staff recommends approval of the proposed resolution. The proposed vendor, North Suburban Asphalt Maintenance has provided services for the City of Darien in 2009, 2010 and 2011 with satisfactory results.

ALTERNATE CONSIDERATION

As directed by the Municipal Services Committee.

DECISION MODE

This item will be placed on the August 6, 2012 City Council agenda for formal consideration.

2012 CRACKFILL PROC	RAM			···· -	<u> </u>	ATTACHN	MENT 1
ROAD	POUNDS	SUBDIVISION	LIMIT	LENGTH	ROAD REHAB	1ST Round Crack Fill	2nd Round Crack Fill
74th Place	125	Marion Hills S	83rd to Eleanor	1000	2009	2012	N/A
Eleanor Place	120	Marion Hills S	Elm to Janet	980	2009	2012	N/A
Eleanor Place	100	Marion Hills S	74th to Elm	440	2009	2012	N/A
Trenton Lane	100	Farmingdale Hts	67th to Albany	530	2009	2012	N/A
Albany Lane	194	Farmingdale Hts	Richmond to Trenton	350	2009	2012	N/A
Juniper Ln Janet Ave	700 1000	Brookhaven one	Warwick to Stratford	600	2009	2012	N/A
Warwick Dr	1000	Brookhaven one Brookhaven one	Gale to dead End Janet to 79th	1000 1900	2009	2012	N/A
Concord Dr	600	Brookhaven one	Cass to Limit	600	2009 2009	2012 2012	N/A N/A
Chalet Dr	1056	Brookhaven one	Concord to Concord	600	2009	2012	N/A
Emerson Dr	75	Farmingdale 5-9	73rd to 71st	1460	2009	2012	N/A
Whittier Dr	75	Farmingdale 5-9	73rd to Emerson	660	2009	2012	N/A
Judd St	100	Farmingdale Ridge	Fairview to Wilton	475	2009	2012	N/A
Wilton Rd	81	Farmingdale Ridge	Harper to Court Limit	1050	2009	2012	N/A
Harper Rd	50	Farmingdale Ridge	Exton to Wilton	450	2009	2012	N/A
Exton St	50	Farmingdale Ridge	Harper to Judd	550	2009	2012	N/A
Main St Manday Ct	75 50	Farmingdale Ridge	75th to Limit	1020	2009	2012	N/A
Meadow Ct	50	Farmingdale Village	Meadow to Limit	340	2009	2012	N/A
Pearson Dr Aster Ln	100 567	Farmingdale Village	Aster to Meadow	920	2009	2012	N/A
Chicory Ct	55	Farmingdale Village Farmingdale Village	Pearson to Sandelwood	340	2009	2012	N/A
Old Oak Pl	65	Carriage Green 1-2	Beller to Limit Carriage Green to Limit	700	2009	2012	N/A
Old Oak Pl	80	Carriage Green 1-2	Carriage Green to Royal Oak	700 250	2009 2009	2012 2012	N/A
Royal Oak Rd	75	Carriage Green 1-2	Old Oak to Carriage Green	800	2009	2012	N/A N/A
Evergreen Ct	50	Carriage Green 3	Evergreen to Limit	400	2009	2012	N/A
Pinehurst Dr	500	Pinehurst	Bailey to Lakeview	1510	2009	2012	N/A
Pine Bluff Ct	444	Pinehurst	Pinehurst to Limit	500	2009	2012	N/A
Pine Cove Ct	222	Pinehurst	Pinehurst to Limit	500	2009	2012	N/A
Pine View Ct	100	Pinehurst	Pinehurst to Limit	600	2009	2012	N/A
Pinehurst (CDS)	278	Pinehurst	Pinehurst to Limit	200	2009		N/A
Adams St	278	Pine Parkway	Greenbriar to Iroquois	840	2009	2012	N/A
Regency Grove Dr Adams St	333 300	Regency Grove	Cass to Limit	2500	2009		N/A
Seminole Drive (CDS)	500	Regency Grove Hinsbrook	Regency Grove to End	300	2009	2012	N/A
Belair Drive	1300	Hinsbrook	Seminole to Limit Richmond to Beechnut	400	2009	2012	N/A
Belair Dr (CDS)	190	Hinsbrook	Belair to Limit	2200 500	2009	2012	N/A
Village Court	222	Hinsbrook	Seminole to Limit	500	2009 2009	2012 2012	N/A N/A
Leonard Drive	611	Plainfield Highland	Plainfield to 72nd	1660	2009	2012	N/A
Honey Locust Ln	300	Farmingdale Ter N	Farmingdale to Sawyer	480	2009		N/A
Clifford Rd	733	Farmingdale Village	Pitcher to Steawart	660	2008		N/A
Pitcher Dr	500	Farmingdale Village	Ailsworth to Clifford	860	2008		N/A
Stewart Rd	478	Farmingdale Village	Ailsworth to Clifford	860	2008	2012	N/A
71st	6500	farmingdale units5-9	Washington to Fairview	3770	2005	2012	N/A
Havens Dr anet Avenue	3000	Farmingdale Village	87th to Steawart	360	2006	2009	2012
Walnut Dr	3889	Marion Hills S	Clarendon to 83rd	2800	2006	2009	2012
Walnut Dr	1528 300	Farmingdale Ter W	942-Farmingdale	1100	2006	2009	2012
Exner Rd	525	Brookhaven one Darien Club	Warwick-942 Darien Club-Holly	200	2006	2009	2012
Holly Av	4583	Farmingdale 5-9	William to Wilcox	465 3300	2006	2009	2012
Exner Rd	2000	Farmingdale 5-9	Holly to 75th	3800	2006 2006	2009	2012
Summit Rd	5000	Farmingdale 5-9	71st to Cleamens	2240	2006	2009 2009	2012 2012
Hillside Ct	3111	Farmingdale Village	Hillside to limit	300	2006	2009	2012
Harvest Pl	333	Farmingdale Village	Meadow to Beller	1230	2006	2009	2012
Royal Oak Rd	1367	Carriage Green 1-2	Carriage Greens to limit	600	2006	2009	2012
aurel Ln	667	Carriage Green 1-2	Carriage Greens to limit	600	2006	2009	2012
Wildwood Ct	350	Regency Grove	Regency Grove to Limit	400	2006	2009	2012
Richmond Ave	444	Hinsbrook	67th to 72nd	3180	2006	2009	2012
ronwood Ave	3333	Hinsbrook	69th to Beechnut	2100	2006	2009	2012
linsbrook Avenue	1867	Hinsbrook	Cass to Seminole	1450	2006	2009	2012
Reechnut Lane Farmingdale Dr	1139	Hinsbrook	Hinsbrook to Belair	1750	2006	2009	2012
ligh Point Circle	4600 675	Farmingdale Ter N	75th to 79th	2100	2006	2009	2012
19Th ST	675 6933	High point cir	Frontage to Limit	1050	2003	2008	2012
Pounds Required	65977	Brookhaven	Cass to Sawyer	4160	2002	2008	2012

CITY OF DARIEN PUBLIC WORKS 1702 PLAINFIELD ROAD DARIEN, IL 60561

SEALED BID: 2012 Crack Sealing/Filling Program

OPENING DATE/TIME: July 12, 2012 @ 10:00 a.m.

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	ruction Inc	Total	90,420.00	4,521.00				94,941.00
	SKC Construction Inc	Unit Price	\$ 1.37 \$	1.37 \$				₩
	North Suburban Asphalt Maintenance	Total	87,120.00 \$	4,356.00				91,476.00
	North Subu Maint	Unit Price	S 1.32 S	1.32 \$				89
		Quantity	66,000 lbs	3,300 lbs				
		TEM DESCRIPTION	1.00 Crack Sealing/Filling Base Bid	Contingency 5%				Total
		ITEM	1.00					

RESOLUTION NO.

CITY ATTORNEY

A RESOLUTION AUTHORIZING THE MAYOR AND CITY CLERK TO EXECUTE A CONTRACT WITH NORTH SUBURBAN ASPHALT MAINTENANCE IN AN AMOUNT NOT TO EXCEED \$91,476.00 FOR THE 2012 CRACK FILL PROGRAM

BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF DARIEN, DU PAGE COUNTY, ILLINOIS, as follows:

SECTION 1: The City Council of the City of Darien hereby authorizes the Mayor and City Clerk to execute a Contract with North Suburban Asphalt Maintenance in an amount not to exceed \$91,476.00 for the 2012 Crack Fill Program, a copy of which is attached hereto as "Exhibit A" and is by this reference expressly incorporated herein.

SECTION 2: This Resolution shall be in full force and effect from and after its passage and approval as provided by law.

PASSED BY THE CITY COUNCIL OF THE CITY OF DARIEN, DU PAGE
COUNTY, ILLINOIS, this 6th day of August 2012.

AYES:

NAYS:

ABSENT:

APPROVED BY THE MAYOR OF THE CITY OF DARIEN, DU PAGE COUNTY,
ILLINOIS, this 6th day of August 2012.

KATHLEEN MOESLE WEAVER, MAYOR
ATTEST:

JOANNE E. RAGONA, CITY CLERK
APPROVED AS TO FORM:

Company North Suburban Asplant maintaine
Representative H Harris
Address Pio Dox 497 Park Ridse III
Telephone Office 867 - 696 - 1231
Telephone Mobile 847 - 4/56 - 6/16
Facsimile 847 - 696-1319
E-Mail Address Al@ North Suburban Asphalt. Com

- (1) Sealed bids will be received in the office of the <u>City of Darien</u> until <u>10:00</u> o'clock A.M. on **Thursday**, **July 12**, **2012**, for furnishing materials equipment and labor as required for the 2012 Crack Filling Program, at which time all bids will be publicly opened and read.
- (2) Sealed bids shall be submitted on the enclosed form and placed in a sealed envelope labeled as Sealed Bid 2012 Crack Filling Program
- (3) The right is reserved by the City of Darien to reject any or all bids.

The effective date of these bids will be the date of the opening above. These bids will be placed on file and remain firm for 60 days.

The City reserves the right to re-advertise for new or additional bids if not satisfied with the original or revised bids on file. The original and revised bids shall remain in effect for the duration of the contract upon City Council approval, unless terminated in writing by the City to the awarded vendor.

The commencement of work shall begin by no later than August 13, 2012 and be completed by September 7, 2012.

It is understood that all materials are in compliance and approved by the Illinois Department of Transportation. The requirements of the Standard Specifications for Road and Bridge Construction adopted by the Department shall govern insofar as they apply.

The quantities of material shown are for information only and listed within Schedule A. They represent the best known estimate of material needed. The actual quantities purchased may be increased or decreased by any amount subject to any maximum quantities specified by the supplier. Submitted bids with limits or conditions shall be rejected.

Bidders will be required to certify that for all Work to be performed pursuant to the Contract Documents, at least the prevailing rate of wages as found and determined by the State of Illinois will be paid to all workers and employees working on the Project. A certified payroll will be required with each payout request.

All bids shall be accompanied by a bid deposit of 5% of the total bid amount. Bid deposits shall be in the form of a certified check, a bank cashier's check drawn on a responsible bank

doing business in the United States and shall be made payable to the City of Darien, or bid bond.

The bid deposit of all except the three lowest bidders on each contract will be returned within twenty (20) calendar days after the opening of the bids. The remaining bid deposits on each contract will be returned, with the exception of the accepted Bidder, after the contract is awarded. The bid deposit of the accepted Bidder will be returned after acceptance by the City of satisfactory performance bond where such bond is required or completion of contract where no performance bond is required.

and the second s	MATERIALS S	SUMMARY	
Item	Quantity	Unit Price	Amount
Crack Routing & Filling	66,000 pounds	1.32	87,120
Total Cost			

The undersigned agrees to furnish any or all of the above materials upon which prices are bid at the above bid unit prices subject to the following conditions.

- (1) It is understood and agreed that the current Standard Specifications for Road and Bridge Construction adopted by the Department of Transportation shall govern insofar as they may be applied and insofar as they do not conflict with the special provisions and supplemental specifications attached hereto.
- (2) It is understood that quantities listed are approximate only and that they may be increased or decreased as needed to promptly complete the work at the above unit price bid.
- (3) Delivery in total or partial shipments as ordered shall be made within the time specified in the special provisions or by the terms of acceptance at the point and in the manner specified in the "MATERIAL QUOTATIONS". If delivery on the job site is specified, it shall mean any place or places on the road designated by the awarding authority or its authorized representative.
- (4) The undersigned firm certifies that it has not been convicted of bribery or attempting to bribe an officer or employee of the State of Illinois, nor has the firm made an admission of guilt of such conduct which is a matter or record, nor has an official, agent or employee of the firm committed bribery or attempted bribery on behalf of the firm and pursuant to the direction or authorization of a responsible official of the firm. The undersigned firm further certifies that it is not barred from contracting with any unit of State or local government as a result of a violation of State laws prohibiting bid-rigging or bid-rotating.

Bidder North Suburban Asphalt Maint.	Ву	Il Jone.
Address P.O. Box 497 Port Ridge	Title	President
Telephone Office 847-696-1231	Fax	947-696-1314
E-mail al @ North Suborban Asphalt. com		
Accepted By: M. M.	Date:	7-12-2012
	Date:	

Contract

1.	THIS	AGREEM	ŒNT, mad	e and conclu	ided the	day o	of	between the
								e party of the first
				his/the	eir execu	tors, administr	ators, successor	s or assigns, know
as the party of	the sec	ond part.						
agrees with sa materials and	to attach id party all labor scribed,	ned, to be r of the firs r necessary	nade and po it part as his y to comple	erformed by their own p te the work i	the party roper cos in accord	of the first pa st and expense ance with the p	rt, the party of t to do all the wo plans and specif	mentioned in the he second part ork, furnish all ications quirements of the
3. Proposal here						otice to Contract t and are a part	ctors, Special Pr hereof.	rovisions and
4. mentioned.	IN W	TTNESS V	WHEREOF	, the said par	rties have	e executed thes	se presents on th	ne date above
Attest:				The		of		<u> </u>
				By				
City (Clerk		-	برحـ		•	Мауог	
(Seal)								
()						(If a	Corporation)	
				Corpo	rate Nan	ne		
				Ву				
				Бу	Preside	nt	Party of the Se	econd Part
						(If a	Co-Partnershi _l	o)
•								
Attest:						_		
Secre	tarv							
	,							
					Partne	rs doing Busine	ss under the firm	name of
						Party	of the Second Pa	<u></u>
						(If t	ın individual)	
					 	Part	y of the Second Pa	n .

2012 CRACKFILL PROGRAM ATTACHMENT 1

2012 CRACKFILL PROC	JRAM			ATTACHMENT 1			
	,				ROAD	1ST Round	2nd Round
ROAD	POUNDS	SUBDIVISION	LIMIT	LENGTH	REHAB	Crack Fill	Crack Fill
74th Place Eleanor Place	125	Marion Hills S	83rd to Eleanor	1000	2009	2012	N/A
Eleanor Place	120	Marion Hills S Marion Hills S	Elm to Janet 74th to Elm	980 440	2009 2009	2012	N/A
Trenton Lane	100	Farmingdale Hts	67th to Albany	530	2009	2012 2012	N/A
Albany Lane	194	Farmingdale Hts	Richmond to Trenton	350	2009	2012	N/A N/A
Juniper Ln	700	Brookhaven one	Warwick to Stratford	600	2009	2012	N/A
Janet Ave	1000	Brookhaven one	Gale to dead End	1000	2009	2012	N/A
Warwick Dr	1000	Brookhaven one	Janet to 79th	1900	2009	2012	N/A
Concord Dr	600	Brookhaven one	Cass to Limit	600	2009	2012	N/A
Chalet Dr	1056	Brookhaven one	Concord to Concord	600	2009	2012	N/A
Emerson Dr	75	Farmingdale 5-9	73rd to 71st	1460	2009	2012	N/A
Whittier Dr Judd St	75	Farmingdale 5-9	73rd to Emerson	660	2009	2012	N/A
Wilton Rd	100 81	Farmingdale Ridge Farmingdale Ridge	Fairview to Wilton	475	2009	2012	N/A
Harper Rd	50	Farmingdale Ridge	Harper to Court Limit Exton to Wilton	1050 450	2009	2012	N/A
Exton St	50	Farmingdale Ridge	Harper to Judd	550	2009	2012 2012	N/A N/A
Main St	75	Farmingdale Ridge	75th to Limit	1020	2009	2012	N/A
Meadow Ct	50	Farmingdale Village	Meadow to Limit	340	2009	2012	N/A
Pearson Dr	100	Farmingdale Village	Aster to Meadow	920	2009	2012	N/A
Aster Ln	567	Farmingdale Village	Pearson to Sandelwood	340	2009	2012	N/A
Chicory Ct	55	Farmingdale Village	Beller to Limit	700	2009	2012	N/A
Old Oak Pl	65	Carriage Green 1-2	Carriage Green to Limit	700	2009	2012	N/A
Old Oak PI Royal Oak Rd	80	Carriage Green 1-2	Carriage Green to Royal Oak	250	2009	2012	N/A
Evergreen Ct	75 50	Carriage Green 1-2	Old Oak to Carriage Green	800	2009	2012	N/A
Pinehurst Dr	500	Carriage Green 3 Pinehurst	Evergreen to Limit Builey to Lakeview	400 1510	2009	2012	N/A
Pine Bluff Ct	444	Pinchurst	Pinehurst to Limit	500	2009	2012 2012	N/A N/A
Pine Cove Ct	222	Pinehurst	Pinchurst to Limit	500	2009	2012	N/A
Pine View Ct	100	Pinehurst	Pinehurst to Limit	600	2009	2012	N/A
Pinehurst (CDS)	278	Pinehurst	Pinehurst to Limit	200	2009	2012	N/A
Adams St	278	Pine Parkway	Greenbriar to Iroquois	840	2009	2012	N/A
Regency Grove Dr	333	Regency Grove	Cass to Limit	2500	2009	2012	N/A
Adams St	300	Regency Grove	Regency Grove to End	300	2009	2012	N/A
Seminole Drive (CDS) Belair Drive	500 1300	Hinsbrook Hinsbrook	Seminole to Limit	400	2009	2012	N/A
Belair Dr (CDS)	190	Hinsbrook	Richmond to Beechnut Belair to Limit	2200 500	2009	2012	N/A
Village Court	222	Hinsbrook	Seminole to Limit	500	2009	2012 2012	N/A N/A
Leonard Drive	611	Plainfield Highland	Plainfield to 72nd	1660	2009	2012	N/A
Honey Locust Ln	300	Farmingdale Ter N	Farmingdale to Sawyer	480	2009	2012	N/A
Clifford Rd	733	Farmingdale Village	Pitcher to Steawart	660	2008		N/A
Pitcher Dr	500	Farmingdale Village	Ailsworth to Clifford	860	2008	2012	N/A
Stewart Rd	478	Farmingdale Village	Ailsworth to Clifford	860	2008	2012	N/A
71st	6500	farmingdale units5-9	Washington to Fairview	3770	2005	2012	N/A
Havens Dr Janet Avenue	3000	Farmingdale Village	87th to Steawart	360	2006	2009	2012
Walnut Dr	3889 1528	Marion Hills S Farmingdale Ter W	Clarendon to 83rd	2800	2006	2009	2012
Walnut Dr	300	Brookhaven one	942-Farmingdale Warwick-942	1100 200	2006	2009	2012
Exner Rd	525	Darien Club	Darien Club-Holly	465	2006	2009 2009	2012 2012
Holly Av	4583	Farmingdale 5-9	William to Wilcox	3300	2006	2009	2012
Exner Rd	2000	Farmingdale 5-9	Holly to 75th	3800	2006	2009	2012
Summit Rd	5000	Farmingdale 5-9	71st to Cleamens	2240	2006	2009	2012
Hillside Ct	3111	Farmingdale Village	Hillside to limit	300	2006	2009	2012
Harvest Pl	333	Farmingdale Village	Meadow to Beller	1230	2006	2009	2012
Royal Oak Rd	1367	Carriage Green 1-2	Carriage Greens to limit	600	2006	2009	2012
Laurel Ln Wildwood Ct	667	Carriage Green 1-2	Carriage Greens to limit	600	2006	2009	2012
Wildwood Ct Richmond Ave	350	Regency Grove	Regency Grove to Limit	400	2006	2009	2012
Ironwood Ave	3333	Hinsbrook	67th to 72nd	3180	2006	2009	2012
Hinsbrook Avenue	1867	Hinsbrook Hinsbrook	69th to Beechnut Cass to Seminole	2100	2006	2009	2012
Beechnut Lane	1139	Hinsbrook	Hinsbrook to Belair	1450 1750	2006	2009	2012
Farmingdale Dr	4600	Farmingdale Ter N	75th to 79th	2100	2006	2009 2009	2012
High Point Circle	675	High point cir	Frontage to Limit	1050	2003	2009	2012 2012
79Th ST	6933	Brookhaven	Cass to Sawyer	4160	2003	2008	2012
Pounds Required	65977				2002	1 *************************************	2012

AGENDA MEMO

Municipal Services Committee July 23, 2012

ISSUE STATEMENT

Approval of a motion authorizing City staff to proceed with the City's Entrance Sign Project at the following locations:

- 1. 75th Street west of Sawmill Creek (fronting Hinsdale South High School-Westbound
- 2. Cass Avenue 6800 Block-Southbound
- 3. Cass Avenue North Frontage Rd (Hinswood Dr)-Northbound
- 4. Lemont Road North Frontage Rd/Cheese Rd and Lemont Rd-Northbound
- 5. Plainfield/83rd Street East of Woodward Ave-Darien/Woodridge jurisdiction
- 6. 87th Street-(Boughton Rd) and Ailsworth Drive-Eastbound
- 7. Plainfield Road Fronting Crest Basin-Westbound
- 8. 75th Street east of Lemont Road-Westbound

BACKGROUND/HISTORY

The 2012-13 Budget calls out for the removal and replacement of the City's Entrance Monument Signs located within DuPage County right of ways. The Budget called out for the replacement of up to 5 signs. To date the City has authorized an engineering agreement with Christopher B. Burke Engineering to prepare engineering plans for permitting through DuPage County. DuPage County is currently reviewing the permit application. The staff had recently solicited competitive quotes for the various components required for the entrance way signs. Upon review, the pricing was very favorable and staff is recommending that all 8 entrance way signs be constructed this year.

The entrance signs vary in size from 10-11 feet in width and are to be located at the following locations, see attached location maps labeled as 1-8:

- 1. 75th Street west of Sawmill Creek (fronting Hinsdale South High School-Westbound-Overall Width is 11-feet
- 2. Cass Ave 6800 Block-Southbound Overall Width is 10-feet
- 3. Cass Ave North Frontage Rd (Hinswood Dr)-Northbound Overall Width is 11-feet
- 4. Lemont Rd North Frontage Rd/Cheese Rd and Lemont Rd-Northbound Overall Width is 11-feet
- Plainfield/83rd Street Rd East of Woodward Ave-Darien/Woodridge jurisdiction Overall Width is 10-feet
- 6. 87th Street (Boughton Rd) and Ailsworth Drive-Eastbound Overall Width is 10-feet
- 7. Plainfield Rd Fronting Crest Basin-Westbound Overall Width is 11-feet
- 8. 75th Street east of Lemont Road-Westbound Overall Width is 11-feet

The monument signs would be constructed with a conventional footing with piers. The piers above the ground would be constructed with a concrete masonry unit (block) and with a cultured stone product identified as the Shale Pro Fit Ledgestone PF8016. The overall dimension for each pier would be 30-inches by 30-inches and a height of 6-foot. The arched monument sign would range in dimensions from 5-6 feet in width and a height of 52-inches and supported by the piers. The total width of the monument signs would range from 10-11 feet pier to pier. The project calls out for the City to be the general contractor and would be orchestrated in the following matter:

- The excavations and backfill for the monuments would be provided by the Municipal Services Department.
- The footings and piers would be completed by Presta Construction
- Staff would be purchasing the following components:
 - o Concrete Block
 - o Cultured Stone
 - o Pier Caps
 - o Monument Signs
 - o Misc Steel
- The installation of the block, cultured stone, monument sign and pier caps would be completed by Pioneer Construction and assisted by City staff.
- The landscaping would be completed by Schramm Landscaping

Separate agenda memos address the abovementioned materials and services. References for the above vendors have been verified with satisfactory results.

The proposed expenditures would be from the following account:

ACCOUNT NUMBER	ACCOUNT DESCRIPTION	FY 12-13 BUDGET	YEAR TO DATE TO BE EXPENDED	PROPOSED EXPENDITURE	PROPOSED BALANCE
25-35-4815	Welcome Sign Replacements May 7,2012	\$ 108,000.00	\$ 0	\$ 18,000.00	\$ 90,000.00
25-35-4815	Welcome Sign Replacements	\$ 108,000.00	\$ 18,000.00	\$ 90,000.00	**

^{**}See Attachment 2 for project cost summary.

STAFF RECOMMENDATION

The staff recommends approval of the motion to proceed with the City's Entrance Sign Project at the following locations:

- 1. 75th Street west of Sawmill Creek (fronting Hinsdale South High School-Westbound
- 2. Cass Avenue 6800 Block-Southbound
- 3. Cass Avenue North Frontage Rd (Hinswood Dr)-Northbound
- 4. Lemont Road North Frontage Rd/Cheese Rd and Lemont Rd-Northbound
- 5. Plainfield/83rd Street East of Woodward Ave-Darien/Woodridge jurisdiction
- 6. 87th Street-(Boughton Rd) and Ailsworth Drive-Eastbound
- 7. Plainfield Road Fronting Crest Basin-Westbound
- 8. 75th Street east of Lemont Road-Westbound

Entranceway Monument Signs July 23, 2012 Page 3

ALTERNATE CONSIDERATION
As directed by the Municipal Services Committee.

DECISION MODE

This item will be placed on the August 6, 2012 City Council agenda for formal approval.

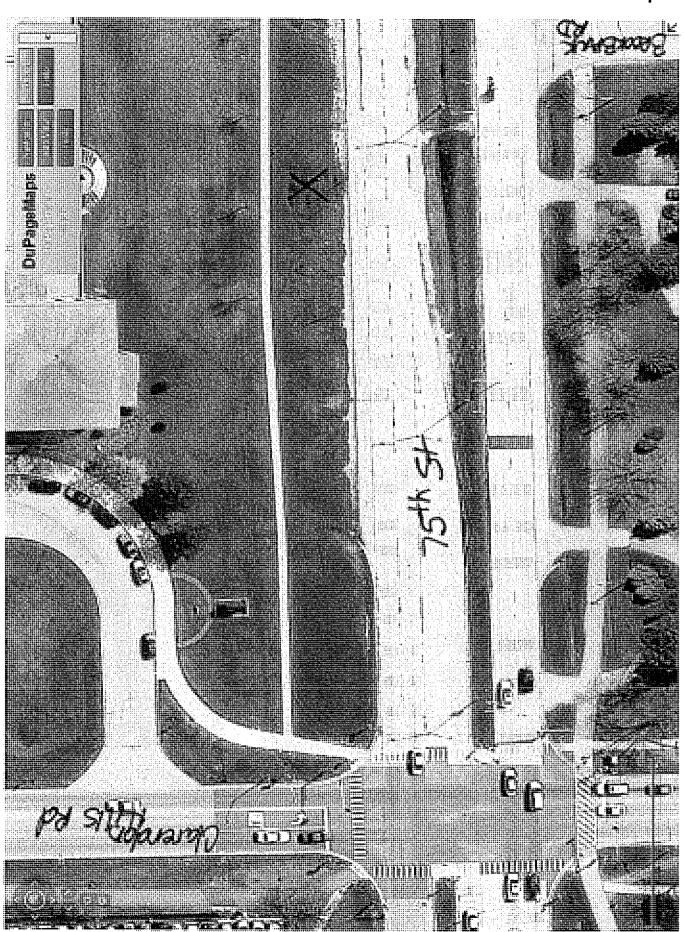
ENTRANCE WAY SIGNS-PROJECT COST ALLOCATIONS

DESCRIPTION			í									
Concrete Footing and Walls	Labor, material for	ming of footing and	walls	l								
	Awarded Vendor	Presta Construction Inc				T			<u> </u>			<u> </u>
				Cost Per	Cost for No of	Cost for No of	Cost for No of	Cest for No of	Cost for No of	Cost for No of	Cost for No of	Proposed
	No of Signs	Units F	er Sign	Sign	Signs	Signs	Signs	Signs	Signs	Signs	Signs	Expenditure
		No of Units	Unit Cost		2	3	4	5	6	7	8	
Option No 3-A		NO DI UNIO	Unit Cost		 							
10-Foot Widths Option No 4-A	3	3	\$ 1,850,00	\$ 1,850,00		\$ 5,550,00						\$ 5,550.00
11-Foot Widths	5	5	\$ 1,900,00	\$ 1,900,00		 		\$ 9,500,00				\$ 9,500,00
			- 12					# DOG,003				3 9,300.0t
ļ	•	LoGrange										
Concrete Block	Awarded Vender	Materials										
	В	Units Per Sign	Unit Cost	Cost Per Sign	Cost for No of Signs	Cost for No of Signs	Cust for No of Signs	Cost for No of Signs	Cost for No of Signs	Cost for No of Signs		Proposed
					2	3	4	5	6	7	Signs 8	Expenditure
Option No 1 Hollow Block	510	105,00	S 1.55980	\$ 163.78				\$ 795.50				
Option No 2								J 175219				
Hollow Block Option No 3	633	105.00	\$ 1.55980	\$ 163.78					\$ 987.35			
Hollow Black	739	105,00	S 1.55980	\$ 163.78						\$ 1,152,69		
Option No 4 Hollow Block	850	105,00	S 1.48929	F 155.30								
Option No 5				\$ 156.38		 					\$ 1,265.90	\$ 1,265.90
Salid Block Option No 6	510	105,00	\$ 2.43215	\$ 255.38				\$ 1,240.40				
Salid Block	633	105,00	S 243215	\$ 255.38		 	····		\$ 1,539,55			
Option No 7 Solid Block	739	105,00										
Option No 8				\$ 255.38	<u> </u>	L				\$ 1.797.36		
Solid Block	850	105.00	\$ 2,34047	\$ 245.75							\$ 1,989.40	
Cultured Stone	Shale Pro Fit Ledge											
	Awarded Vendor	Les Moose & Co. LLC	İ									
	1.0			Cost Per	Cost for No of	Cost for No of	Cost for No of	Cost for No of	Cost for No of	Cost for No of	Cost for No of	Proposed
	No of Signs	Unita P Sq Ft Flats	er Sign Corners Lineal Fr	Sign	Signs 2	Signs 3	Signs 4	Signs	Signs	Signa	Signs	Expenditure
Option No 1		105	52.75			3	-	5	6	7	8	
420 Sq. Ft. of Flats; 211 Lineal feet of exmers, mortar								197,34			5 (1.5)	11.
Bonding Agent	4	420	211.00	S 1,508.00			\$ 6,032.00					1.54
Option No 2 530 Sq. Fl. of Flats; 264 Lineal		106	52.75	11111				•				
feet of corners, menter Bonding							3 4 14		1.1	1.5		
Auent Option No 3		530 106	264 52.75	S 1,501.00		 		\$ 7,505.00				1 1 1 1 1 1 1
635 Sq. Ft. of Flats; 317 Lincal			32.13									
feet of corners, merter Bonding Agent	6	635	317	\$ 1,483.33					\$ 8,900.00			
Option No 4		106	52.75						J 11,500.00			
742 Sq. Ft. of Flats; 369 Lineal feet of corners, mortar Bonding												
Agent	7	742	369	\$ 1,460.71	1 1 1				101,750,500	\$ 10,225,00		
Option No 5 848 Sq. Ft. of Flats; 422 Lineal	 	106	52.75					-				
feet of corners, mentar Bending												
Agent	8	848	122	\$ 1,456.25	·						\$ 11,650,00	\$ 11,650,00
Pier Caps	36-inch Square Pies					ł			1			
	Awarded Vender	Pro Masonry										
		Express										
	N	Express				Cost for No of						Proposed
	No of Signs		er Sign	Cost Per Sign	Signs	Signs	Signs	Signs	Signs	Signs	Signs	Proposed Expenditure
		Units P		Sign								
Option 4		Units P 2 No of Units	Unit Cost	Sign	Signs 2	Signs	Signs	Signs	Signs	Signs	Signs	
Option 4 36-inch Square Pier Option 5	2	Units P 2 No of Units 4	Unit Cost \$ 325,00	Sign S 650.00	Signs 2	Signs 3	Signs	Signs	Signs	Signs	Signs	
Option 4 36-inch Square Pier Option 5 36-inch Square Pier		Units P 2 No of Units	Unit Cost \$ 325,00	Sign S 650.00	Signs 2	Signs	Signs	Signs	Signs	Signs 7	Signs	
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Kelektyjákosá mégzetenjá	1819-802-805-81449-95	No of Units	Unit Cost	4460300575	2000 CARREST SUBSECTION	Market Barrier	54420335045430	S(1,3) P/2/12 S A A A	14 (4 (1) (1) (1) (1) (1) (1) (1)	Envisionerations (Con-	Approximation of the contract	- 1 - 2
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-Foot Width Monument Sign	408000A06464603	4 6 6 7 6 7 6 7 6 7 6 7 6 7 6 7 6 7 6 7	3 \$ 1.700.no	\$ 1,700.00	2000000-0-00000000	\$ 5,100,00	Transfer and Committee	resolvances	208583600000	entida e Verbroito Vice	36.5 x 9.6 x 2 (5.5x) e1.5	\$ 5,100.
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-Foot Width Monument Sign	\$7506 S.A. 426 (42 5)	14642669505652574	5 1.980.DO	\$ 1,980.00	-West Mars 1885	Joseph State (1) was	121.1531.0031.007	\$ 9.900.00	10340100000000	DOM AND MADE	SPECIAL PROPERTY AND A	\$ 9900
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Option No 5	The sale is a sale.	11 1 1 1 1 1 1 1 1	2,000.00	3 2,000,00			es es es es es es es es es es es es es		Transfiles	\$ 14,000,00	And the last the second	Regulation and the
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Sanata Jung			2,000,00	(3 2,000,00	1 15 20 2 5 5 5		(A) (100 x 3 d)		1 45 54 54	<u> </u>	5 16,000,00	\$ 16,000.0
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tcel-Excavation-Concrete	No of Signs	l Inite	Per Sim	Sign	Signs						Cost for No of	
TOUT E-BOUT BIRDING COMMENT	Tro or sime	Units	11 3160	aika	2	Signs 3	Signs	Signs	Signs	Signs	Signa	Expenditure
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Contingency		 	1,100.00	\$ 1,100,00	 			\$ 5,500.00	 			
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Contineency	8	ļ	S 1,100,00	\$ 1,100.00								
											\$ 8,800,00	S 8,300

TOTAL PROJECT COST

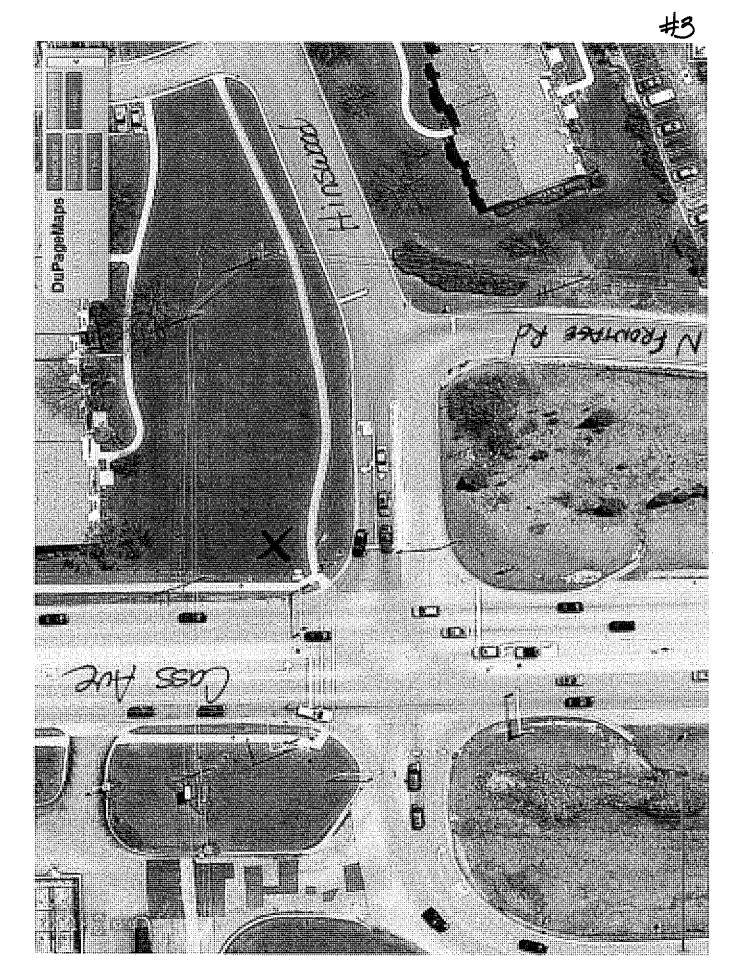
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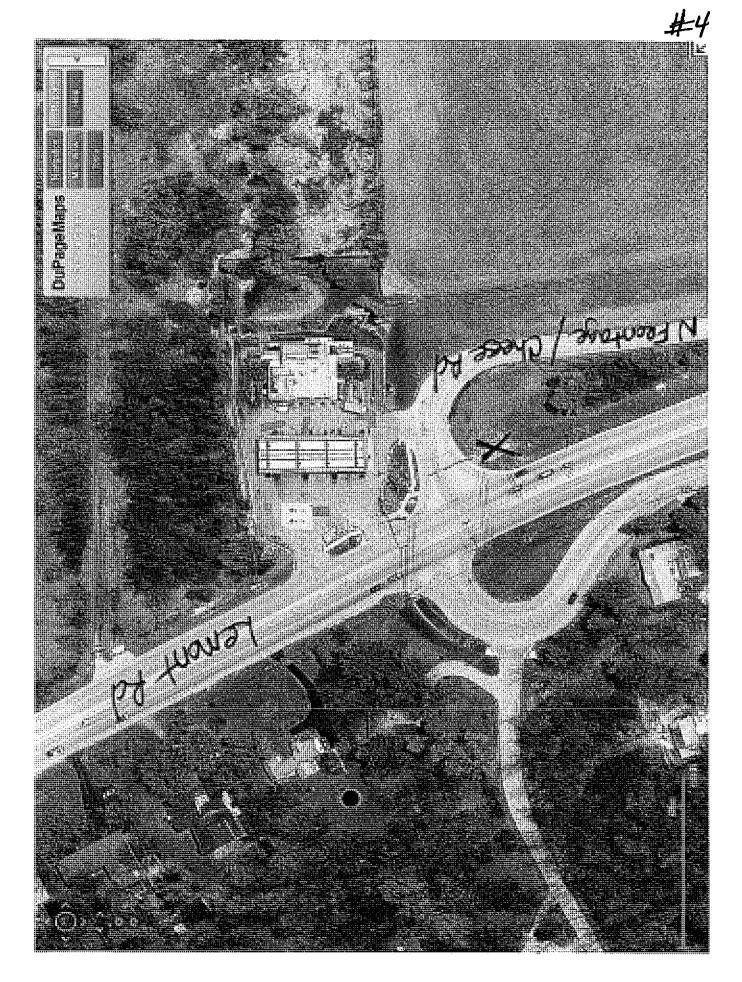


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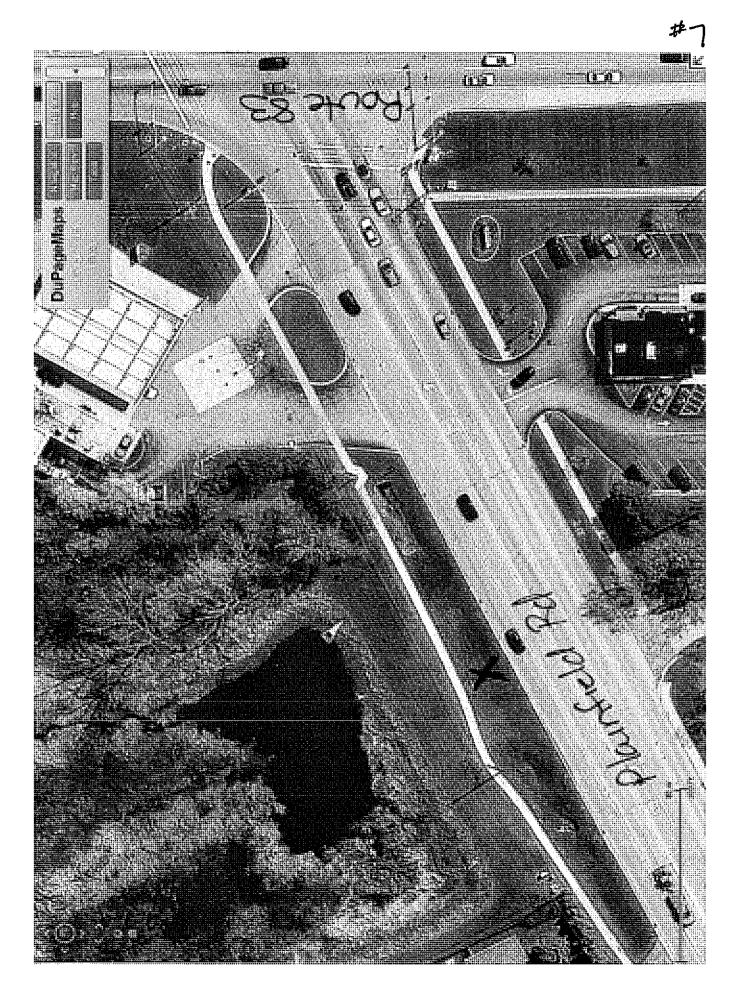




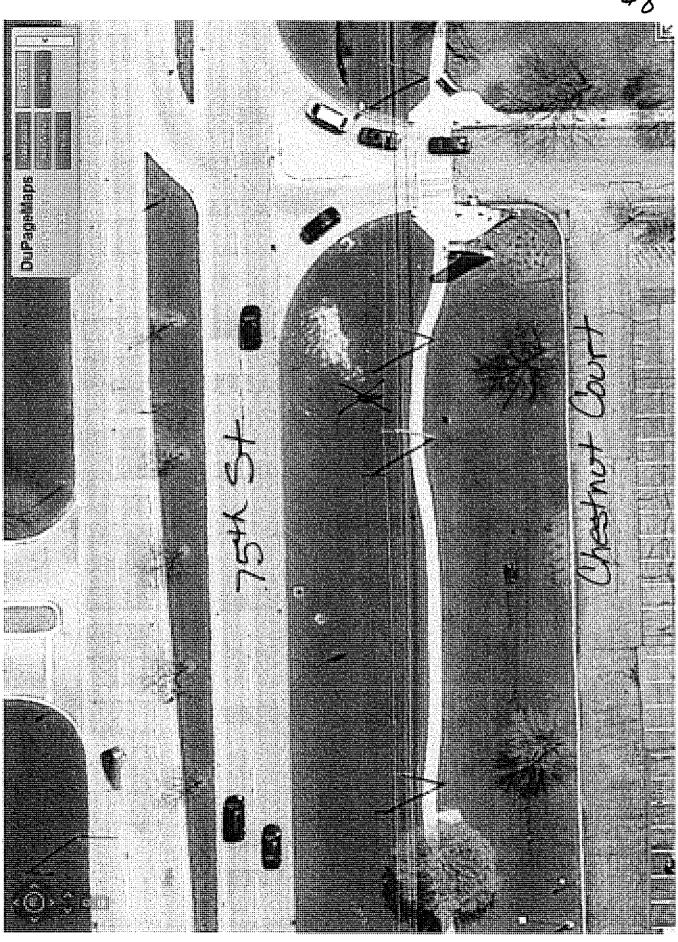












AGENDA MEMO

Municipal Services Committee Meeting July 23, 2012

ISSUE STATEMENT

A resolution accepting a proposal from Presta Construction Inc. for the concrete footing and walls in an amount not to exceed \$15,050.00 for the City's Entrance Signs.

BACKGROUND/HISTORY

The 2012-13 Budget calls out for the removal and replacement of the City Entrance Monument Signs located within DuPage County right of ways. The concrete footing and walls are integral to the sign monuments. City staff would be responsible for the excavation, removal of spoils and backfill. The vendor would be responsible for providing the labor and material to form the footing and walls, supplying, and placing the concrete at the following locations:

- 1. 75th Street west of Sawmill Creek (fronting Hinsdale South High School-Westbound
- 2. Cass Avenue 6800 Block-Southbound
- 3. Cass Avenue North Frontage Rd (Hinswood Dr)-Northbound
- 4. Lemont Road North Frontage Rd/Cheese Rd and Lemont Rd-Northbound
- 5. Plainfield/83rd Street East of Woodward Ave-Darien/Woodridge jurisdiction
- 6. 87th Street-(Boughton Rd) and Ailsworth Drive-Eastbound
- 7. Plainfield Road Fronting Crest Basin-Westbound
- 8. 75th Street east of Lemont Road-Westbound

Competitive quotes were requested, and staff received three (3) competitive quotes, attached as Attachment A. The lowest competitive total cost quote was provided by Presta Construction Inc.

See Attachment 2 for the Cost Summary as presented in orange for Presta Construction.

The proposed expenditure would be from the following account:

ACCOUNT NUMBER	ACCOUNT DESCRIPTION	FY 12-13 BUDGET	YEAR TO DATE TO BE EXPENDED	PROPOSED EXPENDITURE	PROPOSED BALANCE
25-35-4815	Welcome Sign Replacements May 7,2012	\$ 108,000.00	\$ 0	\$ 18,000.00	\$ 90,000.00
25-35-4815	Concrete Footing and Walls	N/A	\$ 18,000.00	\$ 15,050,00	\$ 74,950.00

STAFF RECOMMENDATION

The staff recommends approval of the resolution to proceed with the concrete footing and walls in an amount not to exceed \$15,050.00 for the City's Entrance Signs.

ALTERNATE CONSIDERATION

As directed by the Municipal Services Committee.

DECISION MODE

This item will be placed on the August 6, 2012 City Council agenda for formal approval.

CITY OF DARIEN PUBLIC WORKS 1702 PLAINFIELD ROAD DARIEN, IL 60561

SEALED BID: 2012 Monument Signs - Concrete Footings-Walls

OPENING DATE/TIME: July 10, 2012 @ 10:00 a.m.

										-		
			Presta Construction			3 Concrete Contractor			ert R Andreas Sons Inc.			oncrete by Sennstrom
											(R	evd July 11, 2012)
<u> </u>	DESCRIPTION	Unit Cost		Unit Cost			Unit Cost			Unit Cost		
1	Construction of 4	т і								· · · · ·		
	Foundations for 4 sign											
	locations 8-foot width	\$1,750.00	\$ 7,000.00	\$ 1,766.50	\$	7,066.00	\$ 2,750.00	\$	11,000.00	\$ 2,600,00	\$	10,400.00
	Construction of 5		7,100000	2 1,700.00		7,000.00	\$ 2,750.00	Ψ.	11,000.00	Ψ 2,000.00	w.	10,400.00
	Foundations for 5 sign	1										
В	locations 8-foot width	\$1,480.00	S 7,400.00	\$ 1,722.40	\$	8,612.00	\$ 2,650.00	\$	13,250.00	\$ 2,600.00	\$	13,000.00
	Construction of 6											
C.	Foundations for 6 sign locations 8-foot width	\$1,300.00	r 700000	£ 1.670.17	g.	10.000.00	# 0 7F0 00		16 500 00	# 4 600 40	_	
	Sub-Total	\$1,200.00	\$ 7,800.00 \$ 22,200.00	\$ 1,678.17	\$	10,069.00 25,747.00	\$ 2,750.00	\$	40,750.00	\$ 2,600.00	<u>\$</u> \$	15,600.00 39,000.00
2			3 22,200.00		49	23,171,00		4	40,750.00	<u> </u>	i di	39,000.00
	Construction of 4											
	Foundations for 4 sign											
A	locations 9-foot width	\$1,800.00	\$ 7,200.00	\$ 1,783.75	\$	7,135.00	\$ 2,875.00	\$	11,500.00	\$ 2,700.00	\$	10,800.00
	Construction of 5											
В	Foundations for 5 sign locations 9-foot width	C1 C20 00	5 7 (00.00	# 1 F30 50		B 606 00	# # P## 00	_		4 5 500 00	_	
В	Construction of 6	\$1,520.00	\$ 7,600.00	\$ 1,739.20	\$	8,696.00	\$ 2,875.00	\$	14,375.00	\$ 2,700.00	\$	13,500.00
	Foundations for 6 sign											
C.	locations 9-foot width	\$1,333.33	\$ 8,000.00	\$ 1,694.50	\$	10.167.00	\$ 2,875.00	\$	17,250.00	\$ 2,700.00	\$	16,200.00
	Sub-Total		S 22,800.00	4 1,00	\$	25,998.00	4 -,01010	\$	43,125.00	<u> </u>	\$	40,500.00
3					,							
	Construction of 4											
	Foundations for 4 sign locations 10-foot width	01.050.00	# # 400.00	# 4 000 = -	_							
A	Construction of 5	\$1,850.00	\$ 7,400.00	\$ 1,800.75	\$	7,203.00	\$ 3,000.00	\$	12,000.00	\$ 2,800.00	\$	11,200.00
	Foundations for 5 sign											
В	locations 10-foot width	\$1,560,00	\$ 7,800.00	\$ 1,755.80	\$	8,779.00	\$ 3,000.00	\$	15,000.00	\$ 2,800.00	¢	14,000,00
	Construction of 6					5,113.00	<i>a 2,000.00</i>	-	12,000.00	Φ 2,000.00	—	17,000.00
	Foundations for 6 sign											
C.	locations 10-foot width	\$1,366.67		\$ 1,710.83	\$	10,265.00	\$ 3,000.00	\$	18,000.00	\$ 2,800.00	\$	16,800.00
	Sub-Total		\$ 23,400.00		\$	26,247.00		\$	45,000.00		\$	42,000.00
4	C	1			· · · ·					<u> </u>		
	Construction of 4 Foundations for 4 sign							İ				
Α	locations 11-foot width	\$1,900.00	\$ 7,600.00	\$ 1,818.00	\$	7 272 00	\$ 3,125.00	 \$	12,500.00	\$ 2,900.00	\$	11,600.00
	Construction of 5	2.720000	7,000,00	W 1,010.00	Ψ	1,411400	W 24122.00	 	14,000,000	<u> ω Σ,500.00</u>	4	11,000.00
	Foundations for 5 sign											
В	locations 11-foot width	\$1,600.00	\$ 8,000.00	\$ 1,772.60	\$	8,863,00	\$ 3,125.00	\$	15,625.00	\$ 2,900.00	\$	14,500.00
	Construction of 6											
_	Foundations for 6 sign locations 11-foot width											
٠.	Sub-Total	\$1,400.00		\$ 1,727.00		10,362.00	\$ 3,125.00	_	18,750.00	\$ 2,900.00	\$	17,400.00
	240-10H1		S 24,000.00		\$	26,497.00		\$	46,875.00		\$	43,500.00
	Total		S 92,400.00		\$	104,489.00		\$	175,750.00		s	165,000.00

ENTRANCE WAY SIGNS-PROJECT COST ALLOCATIONS

	hreenmrian			1									
Ai	DESCRIPTION Concrete Footing and Walls	Labor, material for	l ming of footing an	i walls	i								
			Presta										1
A2		Awanted Vendor	Construction Inc		Cost Per	Cost for No of	Cost for Na of	Cost for No of	Cost for No of	Cost for No of	Cost for No of	Cost for Ne of	Proposed
A3		No of Signs	Units	er Sign	Sign	Signs	Signs	Signs	Signs	Signs	Signs	Signs	Expenditure
A4			1			2	. 3	4	5	6	7	Ħ	
A5 A6	Option No 3-A		No of Linits	Unit Cost									
A7	10-Foot Widths	E	3	\$ 1,850,00	\$ 1,850.00		\$ 5,550,00				***************************************		\$ 5,550.00
	Option No 4-A 11-Foot Widths	. 5		\$ 1,900,00	\$ 1,900.00				\$ 9,500.00				\$ 9,500,00
					2 1,500,00				3,500.00				3 9,3(17,011
			LaGrange										
A10	Concrete Block	Awarded Vendor	Materials		·	1							
All		В	Units Per Sign	Unit Cost	Cost Per Sign	Signs	Lost for No ni Signs	Signs	Cost for No of Signs	Cost for No of Signs	Cost for No of Signs	Cost for No of Signs	Proposed Expenditure
A12	5-VW-1					2	3	4	5	6	7	- 8	
	Option No 1 Hallow Block	510	105.00	\$ 1,55980	\$ 1G3.7B				\$ 795.50				
	Option No 2												
	Hollow Block Option No 3	633	105.00	\$ 1,55980	\$ 163.78					S 987.35			
	Hollow Block Option No 4	739	105,00	\$ 1,55980	5 163.78						\$ 1,152.69		
	Hallow Block	850	105,00	S 1.4H929	S 156.38							\$ 1,265,90	\$ 1,265.90
	Option No 5 Solid Block	510	tot po	F 3.13315									
	Option No 6		105,00	\$ 2.43215	\$ 255.38				S 1,240.40				
	Solid Block Ontion No 7	633	105.00	\$ 2.43215	\$ 255.38					\$ 1,539,55			
A26	Solid Elock	739	105.00	S 2.43215	\$ 255.38						\$ 1,797.36		
	Option No 8 Solid Block	R50	105.00	\$ 2,34047	\$ 245.75							5 1.989.40	
					, a 293.13		L	1	,		·	\$ 1,989,40	
A29	Cultured Stone	Shale Pro Fit Lede	estone PFR016 Les Moore & Co.	-									
A30		Awarded Vendor	LLC			T =	·	· · ·			, <u></u>		
A31		No of Signs	Units I	Per Sign	Cost Per Sign	Cost for No of Signs	Cost for No of Signs	Cost for No of Signs	Cost for No of Signs	Cost for No of Signs	Cost for No of Signs	Cost for No of Signs	Proposed Expenditure
A32	Option No 1		Sq Ft Flats	Corners Lineal Fi		2	3	.4	5	6	7	8	
123	420 Sq. Ft. of Flats; 211		105	52.75					100	1.50		7 7	
431	Lineal feet of corners, mortar Bonding Agent	4	420	21L00	\$ 1,508,00			\$ 6,032.00					
	Option No 2		106	52.75	1 1,JU6,UU			3 0,012.00				7. 7.	
]	530 Sq. Ft. of Flats; 264 Lines) feet of corners, mortar		14.74			10 TO	4.6			14. 5.	1. 12. 74.		
	Bonding Agent		530	264	S 1,501.00			19 N. A. A.	\$ 7,505.00				4 (1)
A37	Option No 3 635 Sq. Ft. of Flats; 317 Lineal		106	52,75									
	feet of corners, martar			1 1 1 1 1 1 1 1									
	Bonding Agent Option No 4	6	635 106	317 52.75	<u>\$ 1,483.33</u>		14.1			\$ 8,900.00			
	742 Sq. Ft. of Flats; 369 Lineal		100		7.7.1								
A40	feet of corners, mortur				1	1 1 1 1				1 1 1 1			
A41	Bonding Agent	7	742	369	\$ 1,460.71						\$ 10,225.00		
	Option No 5		742 106	369 52.75	\$ 1,460.71						\$ 10,225.00		
	Option No 5 848 Sq. Ft. of Flats; 422 Lineal feet of corners, mortar		106	52.75			TWITE 1				\$ 10,225.00		
A42	Option No 5 848 Sq. Ft. of Flats; 422 Lincal	8		52.75	\$ 1,460.71 \$ 1,456.25						\$ 10,225.00	\$ 11,650.00	s t1,650.no
	Option No 5 848 Sq. Ft. of Flats; 422 Lineal feet of corners, mortar		\$48 848	52.75							\$ 10,225.00		s 11,650.no
	Option No 5 848 Sq. Ft. of Flats; 422 Lineal feet of corners, mortar Bonding Agent	8 36-inch Square Pie	848 Pro Masoury	52.75							\$ 10,225.00		\$ 11,650.00
A43	Option No 5 848 Sq. Ft. of Flats; 422 Lineal feet of corners, mortar Bonding Agent	8 36-inch Square Pic Awarded Vendor	848 Pro Masonry Express	52.75 422	\$ 1,456.25 Cost Per		Cost for No of		Cost for No of		Cost for No of	\$ 11,650.00 Cost for No of	Proposed
A43 A44 A45 A46	Option No.5 848 Sq. Fi. of Flats; 422 Lineal feet of contents, morter Bonding Agent Pier Cans	8 36-inch Square Pie	848 Pro Masonry Express	52.75	\$ 1,456.25	Cost for Na of Signs 2	Cost for No of Signs 3	Cost for No of Signs	Cost for No of	Cost for No of Signs G		\$ 11,650.00 Cost for No of Signs	
A43 A44 A45 A46 A47	Option No 5 848 Sq. Fi. of Flats; 422 Lineal feet of conners, montar Bonding Agent Pier Caps	8 36-inch Square Pic Awarded Vendor	848 Pro Masonry Express	52.75 422	\$ 1,456.25 Cost Per			Signs 4		5igns	Cost for No of	\$ 11,650.00 Cost for No of	Proposed
A43 A44 A45 A46 A47 A48 A49	Option No.5 148 Sq. Fi. of Flats; 122 Lineal feet of conterts, morter Bonding Agent Pier Cans Option 4 36-inch Square Pier	8 36-inch Square Pic Awarded Vendor	848 Pro Masonry Express Units	52.75 422 Per Sign Unit Cost	\$ 1,456.25 Cost Per	Signs 1				5igns	Cost for No of	\$ 11,650.00 Cost for No of Signs 8	Proposed
A43 A44 A45 A46 A47 A48 A49 A50	Option No.5 Als Sq. Fi. of Flats; 422 Lineal feet of contents, morter Bonding Avent Pier Caps Option 4	8 36-inch Square Pir Awanled Vendor No of Signs	106 848 Fro Massonry Express Units No of Units 4	52.75 422 422 Unit Cost 5 325,00	\$ 1,456.25 Cost Per Sign \$ 650.00	Signs 1	Signs 3	Signs 4		5igns	Cost for No of	\$ 11,650.00 Cost for No of Signs 8	Proposed
A43 A44 A45 A46 A47 A48 A49 A50 A51	Option No.5 848 Sq. Fi. of Flats; 422 Lineal Feet of corners, mortar Bonding Agent Pier Caps Option 4 36-inch Square Pier Option 5 36-inch Square Pier Option 6 Option 6	8 36-inch Square Pis Awarded Vendor No of Signs 2	106 848 Fro Masonry Express Units No of Units 4	52.75 422 Per Sign Unit Cost 3 325.00 5 325.00	\$ 1,456.25 Cost Per Sign \$ 650.00	Signs 1		Signs 4		5igns	Cost for No of	\$ 11,650.00 Cost for No of Signs 8	Proposed
A43 A44 A45 A46 A47 A48 A49 A50 A51 A52 A53 A53	Option No.5 848 Sq. Fi. of Flats; 422 Lineal feet of cotners, morter Bonding Avent Fier Caps Option 4 36-inch Square Pier Option 5 36-inch Square Pier Option 6 36-inch Square Fier Option 7 John Square Fier Option 7 John Square Fier Option 7	8 36-inch Square Pir Awanled Vendor No of Signs	106 848 Fro Masonry Express Units No of Units 4	52.75 422 422 Unit Cost 5 325,00	\$ 1,456.25 Cost Per Sign \$ 650.00	Signs 1	Signs 3	Signs 4		5igns	Cost for No of	\$ 11,650.00 Cost for No of Signs 8	Proposed
A44 A45 A46 A47 A48 A49 A50 A50 A51 A51 A51 A51 A51 A51 A51 A51 A51 A51	Option No.5 848 Sq. Fi. of Flats; 422 Lineal feet of corners, mortar Bonding Avent Pier Capa Option 4 36-ineth Square Pier Option 5 36-ineth Square Pier Option 7 36-ineth Square Pier Option 7 36-ineth Square Pier	8 36-inch Square Pis Awarded Vendor No of Signs 2	Pro Masonry Express Units] 2 No of Units 4 6	52.75 422 Per Sign Unit Cost 3 325.00 5 325.00	\$ 1,456.25 Cost Per Sign \$ 650.00	Signs 1	Signs 3	Signs 4		5igns	Cost for No of	\$ 11,650.00 Cost for No of Signs 8	Proposed
A43 A44 A45 A46 A47 A48 A59 A51 A57 A53 A54 A55 A55 A56 A57	Option No.5 848 Sq. Fi. of Flats; 422 Lineal feet of cotners, morter Bonding Avent Pier Caps Option 4 36-inch Square Pier Option 5 36-inch Square Pier Option 6 36-inch Square Pier Option 7 36-inch Square Pier Option 6 36-inch Square Pier Option 6 36-inch Square Pier Option 6 36-inch Square Pier Option 6 36-inch Square Pier Option 8 36-inch Square Pier	8 36-inch Square Pig Awarded Vendor No of Signs 2 3 4	Pro Masonry Express Unites No of Units 4 6 8 10	52.75 422 Per Sign Unit Cost 5 325.00 5 325.00	\$ 1,456,25 Cost Per Sign \$ 650,00 \$ 650,00	Signs 1	Signs 3	Signs 4	Signs 5	Signs 6	Cost for No of	\$ 11,650.00 Cost for No of Signs 8	Proposed
A43 A44 A45 A46 A47 A48 A49 A50 A51 A52 A53 A53 A55 A55 A56 A57 A58	Option No.5 848 Sq. Fi. of Flats; 422 Lineal Feet of contents, morter Bonding Avent Pier Caps Option 4 36-ineth Square Pier Option 6 36-ineth Square Pier Option 7 36-ineth Square Pier Option 7 36-ineth Square Pier Option 8 36-ineth Square Pier Option 9 36-ineth Square Pier Option 1 36-ineth Square Pier Option 1 36-ineth Square Pier Option 8 36-ineth Square Pier Option 9 Option 9 Option 9 Option 9 Option 9 Option 9	8 36-inch Square Pic Awanled Vendor No of Signs 2 3 4 5 6	Pro Masony Express Units Vo of Units 4 6 8 10 10 11	52.75 422 Ver Sign Unit Cost \$ 325.00 \$ 325.00 \$ 325.00 \$ 325.00	\$ 1,456.25 Cost Per Sign \$ 650.00 \$ 650.00 \$ 650.00 \$ 650.00	\$ 1,300.00	Signs 3	Signs 4	Signs 5	Signs G	Cost for No of Signs 7	\$ 11,650.00 Cost for No of Signs 8	Proposed
A43 A44 A45 A46 A47 A48 A49 A50 A51 A52 A53 A54 A55 A56 A57 A58 A59 A60	Option No.5 848 Sq. Fi. of Flats; 422 Lineal feet of contents, mortar Bonding Agent Pier Caps Option 4 36-inch Square Pier Option 5 36-inch Square Pier Option 7 36-inch Square Pier Option 8 36-inch Square Pier Option 8 36-inch Square Pier Option 9 36-inch Square Pier Option 9 36-inch Square Pier Option 9 36-inch Square Pier Option 9 36-inch Square Pier Option 9 36-inch Square Pier Option 9 36-inch Square Pier Option 10 00 00 00 00 00 00 00 00 00 00 00 00 0	8 36-inch Square Pir Awarded Vendor No of Signs 2 3 4	Pro Masony Express Units Vo of Units 4 6 8 10 10 11	52.75 422 472 Unit Cost \$ 325.00 \$ 325.00 \$ 325.00	\$ 1,456.25 Cost Per Sign \$ 650.00 \$ 650.00 \$ 650.00	\$ 1,300.00	Signs 3	Signs 4	Signs 5	Signs 6	Cost for No of	\$ 11,650.00 Cost for No of Signs 8	Proposed
A43 A44 A45 A46 A47 A48 A49 A50 A51 A52 A53 A54 A55 A56 A57 A58 A59 A60	Option No.5 848 Sq. Fi. of Flats; 422 Lineal feet of conterts, morter Bonding Agent Pier Caps Option 4 36-inch Square Pier Option 5 36-inch Square Pier Option 6 36-inch Square Pier Option 7 36-inch Square Pier Option 9 36-inch Square Pier Option 9 36-inch Square Pier Option 9 36-inch Square Pier Option 9 36-inch Square Pier Option 9 36-inch Square Pier Option 9 36-inch Square Pier	8 36-inch Square Pic Awanled Vendor No of Signs 2 3 4 5 6	Pro Masonry Express Units 2 No of Units 6 8 10 10 12	52.75 422 Ver Sign Unit Cost \$ 325.00 \$ 325.00 \$ 325.00 \$ 325.00	\$ 1,456.25 Cost Per Sign \$ 650.00 \$ 650.00 \$ 650.00 \$ 650.00	\$ 1,300.00	Signs 3	Signs 4	Signs 5	Signs 6	Cost for No of Signs 7	\$ 11,650.00 Cost for No of Signs 8	Proposed Expenditure
A43 A44 A45 A46 A47 A48 A59 A51 A51 A53 A55 A55 A55 A55 A55 A56 A57 A58 A59 A61	Option No.5 848 Sq. Fi. of Flats; 422 Lineal feet of contents, mortar Bonding Agent Pier Caps Option 4 36-inch Square Pier Option 5 36-inch Square Pier Option 7 36-inch Square Pier Option 8 36-inch Square Pier Option 8 36-inch Square Pier Option 9 36-inch Square Pier Option 9 36-inch Square Pier Option 9 36-inch Square Pier Option 9 36-inch Square Pier Option 9 36-inch Square Pier Option 9 36-inch Square Pier Option 10 00 00 00 00 00 00 00 00 00 00 00 00 0	8 36-inch Square Pic Awardei Vendor No of Signs 2 1 4 5 6 7	### 106 ### 848 FOR Masonry Express Units 2 No of Units 4 6 8 10 12 14 14 16 k and Stone	### \$2.75 ### 422 #	\$ 1,456.25 Cost Per Sign \$ 650.00 \$ 650.00 \$ 650.00 \$ 650.00 \$ 650.00	\$ 1,300.00	Signs 3	Signs 4	Signs 5	Signs 6	Cost for No of Signs 7	Cost far Na af Signs 8	Proposed Expenditure
A43 A44 A45 A46 A47 A48 A49 A50 A50 A51 A51 A52 A53 A56 A57 A58 A66 A61 A62	Option No.5 848 Sq. Fi. of Flats; 422 Lineal feet of contents, morter Bonding Avent Pier Caps Option 4 36-inch Square Pier Option 5 36-inch Square Pier Option 6 36-inch Square Pier Option 7 36-inch Square Pier Option 9 36-inch Square Pier Option 9 36-inch Square Pier Option 9 36-inch Square Pier Option 10 16-inch Square Pier Option 10 16-inch Square Pier	8 36-inch Square Pic Awarded Vendor No of Signs 2 3 4 5 6 7 8 Installation of Block	Pro Masonry Express Units 2 No of Units 4 6 8 10 12 14 16 ck and Stone Pioneer	### \$2.75 ### 422 #	\$ 1,456.25 Cost Per Sign \$ 650.00 \$ 650.00 \$ 650.00 \$ 650.00 \$ 650.00	\$ 1,300.00	Signs 3	Signs 4	Signs 5	Signs 6	Cost for No of Signs 7	Cost far Na af Signs 8	Proposed Expenditure
A43 A44 A45 A46 A47 A48 A50 A51 A51 A52 A54 A55 A56 A57 A58 A59 A60 A61 A62	Option No.5 848 Sq. Fi. of Flats; 422 Lineal feet of cotners, morter Bonding Avent Pier Capa Option 4 36-inch Square Pier Option 5 36-inch Square Pier Option 6 36-inch Square Pier Option 7 36-inch Square Pier Option 8 36-inch Square Pier Option 9 36-inch Square Pier Option 9 36-inch Square Pier Option 9 16-inch Square Pier Option 10 16-inch Square Pier Option 10	8 36-inch Square Pir Awarded Vendor No of Signs 2 3 4 5 6 7 8 Installation of Bloc Awarded Vendor	Pro Masonry Express Units Value Val	52.75 422 Ver Sign Unit Cost \$ 325,00 \$ 325,00 \$ 325,00 \$ 325,00 \$ 325,00	\$ 1,456.25 Cost Per Sign \$ 650.00 \$ 650.00 \$ 650.00 \$ 650.00 \$ 650.00 Cost Per	Signs 2 S 1,300.60 Cost for No of	5 1,950.00 Cost for No of	Signs 4 \$ 2,600.00 Cost for No of	\$ 3,250,00	5igns G	Cost for No of Signs 7	Cost far Na af Signs 8	Proposed Expenditure
A43 A44 A45 A46 A47 A48 A49 A50 A50 A51 A51 A52 A53 A56 A57 A58 A66 A61 A62	Option No.5 848 Sq. Fi. of Flats; 422 Lineal feet of contents, morter Bonding Avent Pier Caps Option 4 36-inch Square Pier Option 5 36-inch Square Pier Option 6 36-inch Square Pier Option 7 36-inch Square Pier Option 9 36-inch Square Pier Option 9 36-inch Square Pier Option 9 36-inch Square Pier Option 10 16-inch Square Pier Option 10 16-inch Square Pier	8 36-inch Square Pic Awarded Vendor No of Signs 2 3 4 5 6 7 8 Installation of Block	Pro Masonry Express Units Value Val	Er Sign Unit Cost \$ 325,00 \$ 325,00 \$ 325,00 \$ 325,00 \$ 325,00 \$ 325,00	\$ 1,456.25 Cost Per Sign \$ 650.00 \$ 650.00 \$ 650.00 \$ 650.00 \$ 650.00	Signs 2 \$ 1,300.00 Cost for No of Signs	Signs 3 \$ 1,950.00 Cost for No of Signs	Signs 4 S 2,600 00 Cost for No of Signs	\$ 3,250,00 \$ 3,250,00 Cost for No of Signs	Signs G S 3,900.00 Cost for No of Signs	Cost for No of Signs 7 5 4.550,00 Cost for No of Signs	Cost for No of Signs 8	Proposed Expenditure S 5,200,00
A43 A44 A45 A46 A47 A49 A59 A51 A53 A55 A55 A55 A55 A55 A56 A57 A59 A69 A61 A61 A62 A63 A64 A63 A64 A64 A65 A66 A66 A66 A66 A66 A66 A66 A66 A66	Option No.5 848 Sq. Fi. of Flats; 422 Lineal feet of contents, mortar Bonding Arent Fier Caps Option 4 36-Inch Square Pier Option 5 36-Inch Square Pier Option 6 36-Inch Square Pier Option 7 36-Inch Square Pier Option 7 36-Inch Square Pier Option 8 36-Inch Square Pier Option 9 36-Inch Square Pier Option 9 36-Inch Square Pier Option 10 16-Inch Square Pier Option 10 16-Inch Square Pier Masonry Work	8 36-inch Square Pir Awarded Vendor No of Signs 2 3 4 5 6 7 8 Installation of Bloc Awarded Vendor	Pro Masonry Express Units No of Units 4 6 8 10 12 14 16 ck and Stone Ploneer Construction Units	Er Sign Unit Cost \$ 325,00 \$ 325,00 \$ 325,00 \$ 325,00 \$ 325,00 \$ 325,00	\$ 1,456.25 Cost Per Sign \$ 650.00 \$ 650.00 \$ 650.00 \$ 650.00 \$ 650.00 Cost Per	Signs 2 S 1,300.60 Cost for No of	5 1,950.00 Cost for No of	Signs 4 \$ 2,600.00 Cost for No of	\$ 3,250,00	5igns 6	Cost for No of Signs 7	Cost for No of Signs 8	Proposed Expenditure S 5,200.00
A43 A44 A45 A46 A47 A53 A51 A51 A51 A53 A54 A55 A55 A56 A57 A58 A59 A61 A61 A62 A63 A63 A64 A63 A64 A63 A63 A64 A63 A63 A64 A63 A64 A65 A65 A65 A65 A65 A65 A65 A65 A65 A65	Option No.5 848 Sq. Fi. of Flats; 422 Lineal feet of contents, morter Bonding Avent Pier Caps Option 4 36-inch Square Pier Option 5 36-inch Square Pier Option 6 36-inch Square Pier Option 7 36-inch Square Pier Option 7 36-inch Square Pier Option 9 36-inch Square Pier Option 9 36-inch Square Pier Option 10 16-inch Square Pier Option 10	8 36-inch Square Pir Awarded Vendor No of Signs 2 3 4 5 6 7 8 Installation of Bloc Awarded Vendor	Pro Masonry Express Units 2 No of Units 4 6 8 10 12 14 16 16 18 10 10 11 10 11 11 11 11 11 11 11 11 11	S2.75 422 Ver Sign Unit Cost \$ 325.00 \$ 325.00 \$ 325.00 \$ 325.00 \$ 325.00 Unit Cost Cert Sign Unit Cost	\$ 1,456.25 Cost Per Sign \$ 650.00 \$ 650.00 \$ 650.00 \$ 650.00 \$ 650.00 Cost Per Sign	Signs 2 \$ 1,300.00 Cost for No of Signs	Signs 3 \$ 1,950.00 Cost for No of Signs	Signs 4 S 2,600 po Cost for No of Signs 4	Signs 5 S 3,250,00 Cost for No of Signs 5	Signs G S 3,900.00 Cost for No of Signs	Cost for No of Signs 7 5 4.550,00 Cost for No of Signs	Cost for No of Signs 8	Proposed Expenditure S 5,200.00
A43 A44 A45 A46 A47 A59 A50 A51 A51 A51 A51 A51 A51 A51 A51 A51 A51	Option No.5 848 Sq. Fi. of Flats; 422 Lineal feet of contexts, mortar Bonding Avent Fier Caps Option 4 36-ineth Square Pier Option 5 36-ineth Square Pier Option 6 36-ineth Square Pier Option 7 36-ineth Square Pier Option 9 36-ineth Square Pier Option 9 36-ineth Square Pier Option 10 36-ineth Square Pier Option 10 36-ineth Square Pier Option 10 36-ineth Square Pier Option 10 36-ineth Square Pier Option 10 36-ineth Square Pier Option 10 The Square Pier Option 10 The Square Pier Option 10 The Square Pier Option 10 The Square Pier Option No.1 The Square Pier Option No.1 The Square Pier Option No.1 The Square Pier Option No.1 The Square Pier Option No.1 The Square Pier Option No.1 The Square Pier Option No.1	8 36-inch Square Pic Awarded Vendor No of Signs 2 3 4 5 6 7 8 Installation of Bloc Awarded Vendor No of Signs	Pro Masonry Express Units 2 No of Units 4 6 8 10 12 14 16 k and Stone Ploneer Construction Units No of Units	Er Sign Unit Cost \$ 325,00 \$ 325,00 \$ 325,00 \$ 325,00 \$ 325,00 \$ 325,00 Unit Cost \$ 325,00 \$ 325,00 \$ 325,00	\$ 1,456.25 Cost Per Sign \$ 650.00 \$ 650.00 \$ 650.00 \$ 650.00 \$ 650.00 \$ 650.00 \$ 650.00 \$ 650.00 \$ 650.00	Signs 2 \$ 1,300.00 Cost for No of Signs 2	Signs 3 \$ 1,950.00 Cost for No of Signs	Signs 4 S 2,600 00 Cost for No of Signs	Signs 5 S 3,250,00 Cost for No of Signs 5	Signs G S 3,900.00 Cost for No of Signs	Cost for No of Signs 7 5 4.550,00 Cost for No of Signs	Cost for No of Signs 8	Proposed Expenditure S 5,200.00
A43 A44 A45 A46 A47 A48 A49 A51 A51 A51 A52 A53 A54 A57 A60 A61 A62 A63 A64 A67 A68 A67 A68	Option No.5 848 Sq. Fi. of Flats; 422 Lineal Feet of contents, morter Bonding Avent Pier Caps Option 4 36-Inch Square Pier Option 5 36-Inch Square Pier Option 7 36-Inch Square Pier Option 7 36-Inch Square Pier Option 8 36-Inch Square Pier Option 1 36-Inch Square Pier Option 1 36-Inch Square Pier Option 1 36-Inch Square Pier Option 1 36-Inch Square Pier Option 1 16-Inch Square Pier Option 10 16-Inch Square Pier Option 10 16-Inch Square Pier Option 10 16-Inch Square Pier Option 10 16-Inch Square Pier Option 10 16-Inch Square Pier Option 10 16-Inch Square Pier Option 10 16-Inch Square Pier Option 10 16-Inch Square Pier Option 10 16-Inch Square Pier Option 10 16-Inch Square Pier Massiary Work	8 36-inch Square Pic Awarded Vendor No of Signs 2 3 4 5 6 7 8 Installation of Bloc Awarded Vendor	Pro Masonry Express Units 2 No of Units 4 6 8 10 12 14 16 k and Stone Ploneer Construction Units No of Units	Er Sign Unit Cost \$ 325,00 \$ 325,00 \$ 325,00 \$ 325,00 \$ 325,00 \$ 325,00 Unit Cost \$ 325,00 \$ 325,00 \$ 325,00	\$ 1,456.25 Cost Per Sign \$ 650.00 \$ 650.00 \$ 650.00 \$ 650.00 \$ 650.00 Cost Per Sign	Signs 2 \$ 1,300.00 Cost for No of Signs 2	Signs 3 \$ 1,950.00 Cost for No of Signs	Signs 4 S 2,600 po Cost for No of Signs 4	Signs 5 S 3,250,00 Cost for No of Signs 5	Signs G S 3,900.00 Cost for No of Signs	Cost for No of Signs 7 5 4.550,00 Cost for No of Signs	Cost for No of Signs 8	Proposed Expenditure S 5,200.00
A43 A44 A45 A46 A47 A48 A49 A50 A51 A51 A52 A53 A53 A54 A59 A60 A61 A62 A63 A64 A67 A68 A67 A68 A67 A68 A67 A67	Option No.5 848 Sq. Fi. of Flats; 422 Lineal feet of conterts, morter Bonding Agent Pier Caps Option 4 36-Inch Square Pier Option 5 36-Inch Square Pier Option 6 36-Inch Square Pier Option 9 36-Inch Square Pier Option 9 36-Inch Square Pier Option 10 36-Inch Square Pier Option 10 36-Inch Square Pier Option 10 36-Inch Square Pier Option 10 36-Inch Square Pier Option 10 36-Inch Square Pier Option 10 36-Inch Square Pier Option 10 36-Inch Square Pier Option 10 36-Inch Square Pier Option No.1 Foundation and Piers Option No.2 Foundation and Piers Option No.2 Foundation and Piers	8 36-inch Square Pic Awarded Vendor No of Signs 2 3 4 5 6 7 8 Installation of Bloc Awarded Vendor No of Signs	Pro Masonry Express Units Pro Masonry Express Units A 6 8 10 12 14 16 ck and Stone Ploneer Construction Units No of Units 4	52.75 422 Unit Cost \$ 325.00 \$ 325.00 \$ 325.00 \$ 325.00 \$ 325.00 \$ 325.00 \$ 325.00 \$ 1,750.00 \$ 1,750.00	\$ 1,456.25 Cost Per Sign \$ 650.00 \$ 650.00 \$ 650.00 \$ 650.00 \$ 650.00 \$ 650.00 \$ 650.00 \$ 650.00 \$ 650.00	Signs 2 S 1,300.60 Cost for No of Signs 2	Signs 3 \$ 1,950.00 Cost for No of Signs	Signs 4 S 2,600 po Cost for No of Signs 4	Signs 5 S 3,250,00 Cost for No of Signs 5	Signs G S 3,900.00 Cost for No of Signs	Cost for No of Signs 7 Signs 7 S 4.550.00 Cost for No of Signs 7	Cost for No of Signs 8	Proposed Expenditure S 5,200.00
A43 A44 A45 A46 A47 A48 A49 A49 A59 A51 A54 A53 A54 A55 A56 A57 A58 A59 A61 A61 A62 A64 A67 A66 A67 A67 A71 A73	Option No.5 848 Sq. Fi. of Flats; 422 Lineal feet of contents, morter Bonding Arent Fier Caps Option 4 36-Inch Square Pier Option 6 36-Inch Square Pier Option 7 36-Inch Square Pier Option 7 36-Inch Square Pier Option 8 36-Inch Square Pier Option 9 36-Inch Square Pier Option 9 36-Inch Square Pier Option 10 36-Inch Square Pier Option 10 36-Inch Square Pier Option 10 36-Inch Square Pier Option 10 36-Inch Square Pier Option 10 16-Inch Square Pier Option 10 16-Inch Square Pier Option 10 16-Inch Square Pier Option No 1 Foundation and Piers Option No 2 Foundation and Piers Option No 2 Foundation and Piers Option No 3	8 36-inch Square Pig Awarded Vendor No of Signs 2 3 4 5 6 7 8 Installation of Bloc Awarded Vendor No of Signs	Pro Masonry Express Units Value 10 10 10 10 10 10 10 11 10	52.75 422 Ver Sign Unit Cost \$ 325,00 \$ 325,00 \$ 325,00 \$ 325,00 \$ 325,00 \$ 325,00 \$ 325,00 \$ 1,750,00 \$ 1,760,00 \$ 1,760,00 \$ 1,760,00	\$ 1,456.25 Cost Per Sign \$ 650.00 \$ 650.00 \$ 650.00 \$ 650.00 \$ 650.00 \$ 650.00 \$ 1,750.00 \$ 1,760.00 \$ 1,760.00	Signs 2 S 1,300.60 Cost for No of Signs 2	Signs 3 \$ 1,950.00 Cost for No of Signs	Signs 4 S 2,600 po Cost for No of Signs 4	Signs 5 S 3,250,00 Cost for No of Signs 5	Signs G S 3,900.00 Cost for No of Signs G	Cost for No of Signs 7 S 4.550.00 Cost for No of Signs 7	Cost for No of Signs 8	Proposed Expenditure S 5,200.00
A43 A44 A45 A46 A47 A48 A47 A48 A59 A59 A51 A51 A52 A53 A54 A57 A58 A61 A61 A62 A63 A64 A67 A67 A67 A67 A73 A73	Option No 5 848 Sq. Fi. of Flats; 422 Lineal feet of contents, morter Bonding Agent Pier Caps Option 4 36-Inch Square Pier Option 5 36-Inch Square Pier Option 6 36-Inch Square Pier Option 7 36-Inch Square Pier Option 9 36-Inch Square Pier Option 9 36-Inch Square Pier Option 9 36-Inch Square Pier Option 10 16-Inch Square Pier Option 10 16-Inch Square Pier Option 10 16-Inch Square Pier Option No 1 Foundation and Piers Option No 2 Foundation and Piers Option No 3 Foundation and Piers Option No 4 Foundation and Piers Option No 4 Foundation and Piers Option No 4 Foundation and Piers Option No 5 Foundation and Piers Option No 6 Foundation and Piers Option No 6 Foundation and Piers Option No 6 Foundation and Piers Option No 6 Foundation and Piers Option No 5	8 36-inch Square Pic Awarded Vendor No of Signs 2 3 4 5 6 7 8 Installation of Bloc Awarded Vendor No of Signs 4 4 5 6 7 7 7 8 6 7 8 7 8 7 8 7 8 7 8 7 8 8 7 8 8 7 8 8 7 8	Pro Masonry Express Units 2 No of Units 4 6 8 10 12 14 16 16 18 10 10 11 10 11 10 11 11 11 16 11 11 11 11 11 11 11 11 11	S2.75 422 Wer Sign Unit Cost \$ 325,00 \$ 325,00 \$ 325,00 \$ 325,00 \$ 325,00 \$ 325,00 \$ 325,00 \$ 325,00 \$ 375,00 \$ 375,00 \$ 375,00 \$ 375,00 \$ 1,760,00 \$ 1,766,67	\$ 1,456.25 Cost Per Sign \$ 650.00 \$ 650.00 \$ 650.00 \$ 650.00 \$ 650.00 \$ 650.00 \$ 1,760.00 \$ 1,760.00 \$ 1,760.00	Signs 2 S 1,300.60 Cost for No of Signs 2	Signs 3 \$ 1,950.00 Cost for No of Signs	Signs 4 S 2,600 po Cost for No of Signs 4	Signs 5 S 3,250,00 Cost for No of Signs 5	Signs G S 3,900.00 Cost for No of Signs G	Cost for No of Signs 7 Signs 7 S 4.550.00 Cost for No of Signs 7	Cost for No of Signs 8 5 5,200.00 Cost for No of Signs 8	Proposed Expenditure S 5,200.00 Proposed Expenditure
A43 A44 A45 A46 A47 A48 A47 A48 A59 A59 A51 A51 A52 A53 A54 A57 A58 A61 A61 A62 A63 A64 A67 A67 A67 A67 A73 A73	Option No 5 848 Sq. Fi. of Flats; 422 Lineal feet of conterts, mortar Bonding Agent Fier Caps Option 4 36-inch Square Pier Option 5 36-inch Square Pier Option 6 36-inch Square Pier Option 7 36-inch Square Pier Option 9 36-inch Square Pier Option 9 36-inch Square Pier Option 9 36-inch Square Pier Option 10 36-inch Square Pier Option 10 36-inch Square Pier Option 10 36-inch Square Pier Option 10 7 36-inch Square Pier Option 10 7 5-inch Square Pier Option No 1 Foundation and Piers Option No 2 Foundation and Piers Option No 3 Foundation and Piers Option No 4 Foundation and Piers Option No 5 Foundation and Piers Option No 5 Foundation and Piers Option No 5 Foundation and Piers Option No 5 Foundation and Piers	8 36-inch Square Pir Awarded Vendor No of Signs 2 3 4 5 6 7 8 Installation of Bloc Awarded Vendor No of Signs 4 5 5 6 6 5 6 6 7 7 8 6 6 7 8 6 6 7 8 6 6 6 6 6 6 6	Pro Masonry Express Units 2 No of Units 4 6 8 10 12 14 16 16 18 10 10 11 10 11 10 11 11 11 16 11 11 11 11 11 11 11 11 11	S2.75 422 Wer Sign Unit Cost \$ 325,00 \$ 325,00 \$ 325,00 \$ 325,00 \$ 325,00 \$ 325,00 \$ 325,00 \$ 325,00 \$ 375,00 \$ 375,00 \$ 375,00 \$ 375,00 \$ 1,760,00 \$ 1,766,67	\$ 1,456.25 Cost Per Sign \$ 650.00 \$ 650.00 \$ 650.00 \$ 650.00 \$ 650.00 \$ 650.00 \$ 1,750.00 \$ 1,760.00 \$ 1,760.00	Signs 2 S 1,300.60 Cost for No of Signs 2	Signs 3 \$ 1,950.00 Cost for No of Signs	Signs 4 S 2,600 po Cost for No of Signs 4	Signs 5 S 3,250,00 Cost for No of Signs 5	Signs G S 3,900.00 Cost for No of Signs G	Cost for No of Signs 7 S 4.550.00 Cost for No of Signs 7	Cost for No of Signs 8	Proposed Expenditure S 5,200.00 Proposed Expenditure

	Monument Signs	Signs	e in the Property of	<u> </u>		· · · · · · · · · · · · · · · · · · ·							
ABO	egagyagajan keun kantawak dekemban beraus	Awarded Vendor	Meno Stone	4.45/4.4-6/3.4/3	Administration	in where with		ngdete tgestowi	\$15 PM-\$15 \$25 \$15 \$25	Andrews 1		and and a facility	Expensions with the
	600 William British		desiration (states)	THERESELVERY	Cost Per	Cost for No of		Cost for No of	Cost for No of	Cost for No of	Cost for No of		Proposed
ABI		No of Signs		Per Sign	Sign	Signs	5 inns	Signs	Signs	Signs	5igns	Signs	Expenditure
A82	Server and respond to the server and	24 (CEP) (CE) (SEC) (SE	a reportation also all	Transport agent pagage	1484914919199	100pg 2.89cm	Aspendadases	4500 A 500 B	18 98 5 45 40	2614267432	विकास द म् प्रकार हे	8	AND SERVICE SERVICES
AB3	sterior transfer della compassion	Particular (1970)	No of Units	Unit Cost	WEST-CHARLES	Association (research	Howels payer angle of	35-04-65-982-693	10 900 10	CONTRACTOR	Mandynake)	PHOTOS HOSPING HES	migrakolyka Milikura
AR4	Option No 2	484,300,048,069,000	160 (\$6) (40) (40)	With the second	Parkinanca)	transferigati	34,043,944,050	gastatutsi siti	A militaria basa	2000/AGV/660	ing water \$100	Alacida New Year	Annahy ji katawa
AR5	5-Foot Width Monument Sign	Adamatical transition	. 24.405-500-705-50 <u>7</u>	\$ 1,700.00	\$ 1,700.00	36150000000	\$ 5,100,00	~30009064	455000000000000000000000000000000000000	1788 1 PASSES	रङ्ग्यस्थान्त्रः स्टब्स्	地名中北安 城	\$ 5,100.0
ARG	Option No 3	HAND \$200 CONTROL	1 (1998) 6.53 (1996) (1996)	Parameters	1460000040000	3919/1009/6220	149699,00094	REPRESENTATION AND A SECOND PROPERTY.	sisting afterna.	40.481.081.0843.8	305412/PK\$8541	Paragraphen.	572657637035709
AH7	6-Foot Width Monument Sign	Veljabadkljar 🖥	300 A C (100 A) (10 A)	\$ 1,980.00	\$ 1,980,00	Department	JANASSE ARKS	Assistanti	\$ = 9,900,00	metromorphy (A	SCALAGE LANGERY	romatoria (menerory n	\$ 9,900,0
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VB8	Landscaping	the state of the state of	to the property of the										
		100000000000000000000000000000000000000	5chranum		ALC: ALC:	1000	1 45 45 50 6	550000	1 1 2 2 2 2 3 3 3 3 3 3	13045.00	4745.044	44144 . 444	Transfer of the
AB9		Awanled Vendor	Landscaping		111111111	1	14/1/14/14	1 1 1 1 1 1 1				1000	
					Cost Per		Cost for No of		Cost for No of	Cost for No of	Cost for No of	Cost For No of	Proposal
A90	a su sa na liguada a sa inglatina	No of Siens	Linits	Per Sign	Sign	Signs	Signs	Signs	Signs	Signs	Signs	Signs	Expenditure
A91		3 A 3 A 1 A 1 A 1 A 1 A 1 A 1 A 1 A 1 A	1		9871 P. F.	22		+4 + *	5	6	7	- 8	1,14
A92	The growth of the condition		No of Units	Unit Cost	2414 (2014)	8 % 12 JAN 1 4		11.04.55.15	1919 1919	in the state of	111 111 11	11.00	Tallace and a fire
A93	Option No I	2014/06/05/05		4 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	3 1 2 2 2 2	2007 1924 - 3	Test out in part	and the	175, 177, 187	0.4 (0.5)	erege greature	- 1100 m m	
A94	Landscaping				\$ 2,000.00	1.3 2.2 2.3 5.32	3,33,545,79	00.000,8 2	18 18 18 18	1,14174,47	Prof. Break .	A FUND OF SHIP	1 8 8 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
A95	Option No 2		3 4 No. 4 Do. 10 No. 4		1.144/334	477,41,43	3 - 1 - 3 - 1 -		10 S S 1 S 1 S	44.7 4 4 4 4	5 2121, 1 12	100000000000000000000000000000000000000	Franklijster
		5	nin i Paring na 💃	\$ 2,000.00	\$ 2,000,00	14 57 4 56 5	Repeated State of	1 111111111111	\$ 10,000.00	41 3 44 5 25 54	1.6900000000	19-100-19-100	1.75 (1.75)
A97	Option No 3	A A15 MA 6 s		fulf elf with end forty	50.500.500.5	19 1 12 1 1 1 1 1	3.79935955	1900 (1901)	Andreas and the first	562 3355	44 (1.1) 454 (1.1)	37,000,000,000	0.273 (0.70)
ASE	Landsaping			\$ 2,000,00	\$ 2,000.00	45 Mg (5 Mg)	1 2 1 1 1 1		1000000	\$ 12,000,00		1 1 1 1 1 1 1 1	
A99	Ontion No 4	the state of the state of	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	5 (5.5) 44.5	5 447 6	2 - 57 - 64 - 57 - 57	Service Control of	500 400 70	100 4 4 4 4 7 7 7	4 4 4	7 7.1		44, 21, 41, 41, 41, 73
A100	Landscaping	7	7	\$ 2,000.00	\$ 2,000.00	25512 112 11	1944 (1944)	Day temperate	The Property of	75. 75.55	\$ 14,000.00	12 4 15 4 15	150,000,000
A100 A101	Landscaping Option No 5			1900 1909	1471.4			tura inggrapana tina kija daga dar		214, 117, 118	\$ 14,000.00		
A100 A101	Landscaping			\$ 2,000.00 \$ 2,000.00	1471.4	250000000000000000000000000000000000000			The Property of	. Pr. 10444	\$ 14,000.00	\$ 16,000,00	
A100 A101 A102	Landscaping Option No 5			1900 1909	1471.4	green state.	Cost for No of					\$ 16,000,00	\$ 16,000.0
A100 A101 A102 A103	Landscaping Option No 5 Landscaping		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1900 1909	\$ 2,000,00	Cost for No of	Cost for No of		Cost for No of	Cost for No of	Cost for No of	\$ 16,000.00 Cast For No of	\$ 16,000.0
A100 A101 A102 A103	Landscaping Option No 5 Landscaping Contingency Steel-Excavation-Concrete	1	Units	\$ 2,000 IN	\$ 2,000,00 Cost Per			Cost for No of				Cost for No of	\$ 16,000.0
A100 A101 A102 A103 A104 A105	Landscaping Option No 5 Landscaping Contingency Steel-Excavation-Concrete	1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	\$ 2,000 IN	\$ 2,000,00 Cost Per	Cost for No of	Signs	Cost for No of	Cost for No of Signs	Cost for No of	Cost for No of Signs	\$ 16,000.00 Cast For No of	\$ 15,000.0
A100 A101 A102 A103 A104 A105 A106 A107	Landscaping Option No 5 Landscaping Contingency Steel-Excavation-Concrete Option No 1	1	Units	S 2,000.001	\$ 2,000,00 Cost Per	Cost for No of	Signs	Cost for No of	Cost for No of Signs	Cost for No of	Cost for No of Signs	Cost for No of	\$ 15,000.0
A100 A101 A102 A103 A104 A105 A106 A107 A108	Landscaping Option No 5 Landscaping Contingency Steel-Excavation-Concrete Option No 1 Contingency	1	Units t No of Units	Per Sign	\$ 2,000,00 Cost Per	Cost for No of	Signs	Cost for No of	Cost for No of Signs	Cost for No of	Cost for No of Signs	Cost for No of	\$ 15,000.0
A100 A101 A102 A103 A104 A105 A106 A107 A108	Landscaping Option No 5 Landscaping Contingency Steel-Excavation-Concrete Option No 1 Contingency Option No 2	No of Signs	Units IND of Units	Per Sign Unit Cost \$ 1,100.00	\$ 2,000,00 Cost Per Sign \$ 1,100,00	Cost for No of	Signs	Cost for No of Signs 4	Cost for No of Signs	Cost for No of	Cost for No of Signs	Cost for No of	\$ 16,000.0
A100 A101 A103 A104 A105 A106 A107 A108 A109 A110	Landscaping Option No 5 Landscaping Contingency Steel-Execution-Concrete Option No 1 Contingency Option No 2 Contingency Contingency	No of Signs	Units INo of Units	Per Sign Unit Cost \$ 1,100.00	\$ 2,000.00 Cost Per Sign	Cost for No of	Signs	Cost for No of Signs 4	Cost for No of Signs	Cost for No of	Cost for No of Signs	Cost for No of	\$ 16,000.0
A100 A101 A103 A104 A105 A106 A107 A108 A109 A110	Landscaping Option No 5 Landscaping Contingency Steel-Excavation-Concrete Option No 1 Contingency Option No 2 Coultnessey Contingency Contingency Contingency	No of Signs	Units I No of Units	Per Sign Unit Cost \$ 1,100.00	\$ 2,400,000 Cost Per Sign \$ 1,100,00	Cost for No of	Signs	Cost for No of Signs 4	Cost far No of Signs 5	Cost for No of	Cost for No of Signs	Cost for No of	\$ 16,000.0
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A100 A101 A102 A103 A103 A105 A106 A107 A108 A109 A110 A111 A112 A113 A114 A115	Landscaping Opilen No 5 Landscaping Contingency Steel-Excavation-Concrete Option No 1 Contingency Option No 2 Contingency Contingency Contingency Contingency Contingency Contingency Contingency Contingency Option No 4	No of Signs 4 5	Units I No of Units	Per Sian Unit Cost \$ 1,100.00 \$ 1,100.00 \$ 1,100.00	\$ 2,4990,000 Cost Per Sign \$ 1,100,00 \$ 1,100,00	Cost for No of	Signs	Cost for No of Signs 4	Cost far No of Signs 5	Cost for No of Signs	Cost for No of Signs 7	Cost for No of	\$ 16,000.0

RESOLU	TION NO.	

A RESOLUTION ACCEPTING A PROPOSAL FROM PRESTA CONSTRUCTION INC FOR THE CONCRETE FOOTING AND WALLS IN AN AMOUNT NOT TO EXCEED \$15,050.00 FOR THE CITY'S ENTRANCE SIGNS

BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF DARIEN, DU PAGE COUNTY, ILLINOIS, as follows:

SECTION 1: The City Council of the City of Darien does hereby accept a proposal from Presta Constructions, Inc. for the concrete footing and walls in an amount not to exceed \$15,050.00 for the City's Entrance Signs, a copy of which is attached hereto as "Exhibit A" and is by this reference expressly incorporated herein.

SECTION 2: This Resolution shall be in full force and effect from and after its passage and approval as provided by law.

PASSED BY THE CITY COUNCIL OF THE CITY OF DARIEN, DU PAGE COUNTY, ILLINOIS, this 6th day of August 2012.

AYES:	
NAYS:	
ABSENT:	
APPROVED BY THE MAYOR OF T	HE CITY OF DARIEN, DU PAGE COUNTY,
ILLINOIS, this 6 th day of August 2012.	
	KATHLEEN MOESLE WEAVER, MAYOR
ATTEST:	
	_
JOANNE E. RAGONA, CITY CLERK	
APPROVED AS TO FORM:	
CITY ATTORNEY	

CITY OF DARIEN

THIS FORM MUST BE COMPLETED AND RETURNED TO 1702 PLAINFIELD ROAD BY NO LATER THAN JULY 10, 2012 – 11 A.M.

ATTN: PUBLIC WORKS
QUESTIONS MAY BE DIRECTED TO MUNICIPAL SERVICES AT 630-353-8106

Submitted by:	asquale Preste
Vendor Name:	Tresta Construction Inc
Address:	208 Cardinal Drive Phoning date 10
Date:	2-6-17
Phone #:	630 878-4418 Fax #: 630 529-7805-
E-mail Address:	et & fresta Construction Com
Authorized Signature:	- Und Shark
Option No. 1 -	Construction of 4 Foundations for 4 sign locations 8-FOOT WIDTH
Quote Amount:	7000 00
Quote Amount in Writing	Seven Thusand 36/100 Sollan
Option No. 1 -	Construction of 5 Foundations for 5 sign locations 8-FOOT WIDTH
Quote Amount:	7,90000
Quote Amount in Writing	Seventy-four hundred " for Dall- a.
Option No. 1 -	Construction of 6 Foundations for 6 sign locations 8-FOOT WIDTH
Quote Amount:	7,80000
Quote Amount in Writing	: Severy eight hundred ofios dollars

Foundation Work

Submitted by (Company Name): Presta Construction Inc.

Option No. 2 -	Construction of 4 Foundations for 4 sign locations 9-FOOT WIDTH
Quote Amount: Quote Amount in Writin	Sevent, Inchanged 50; a dillows
Option No. 2 -	9-FOOT WIDTH
Quote Amount:	7600° Secrety-six hundred 700 lollars
Quote Amount in Writin	8: Servery-six hundred (200 dollars
	Construction of 6 Foundations for 6 sign locations 9-FOOT WIDTH
Quote Amount:	8: Fight thousand Too dellars
Quote Amount in Writin	E. Fight thousand Too dellars
-	Construction of 4 Foundations for 4 sign locations 10-FOOT WIDTH
Quote Amount:	17400:
Quote Amount in Writin	8: Sexualy Sour hundred 20. Lellows
Option No. 3 -	Construction of 5 Foundations for 5 sign locations 10-FOOT WIDTH
Quote Amount:	\$7.800°
Quote Amount in Writin	8: Seventy-eight bundred 100 dollars
Option No. 3 -	Construction of 6 Foundations for 6 sign locations 10-FOOT WIDTH
Quote Amount:	8,200 - 15 Fighty - two hondral liso dellans
Quote Amount in Writin	E Fighty - two hondral liso dellans
Foundation Work	
Submitted by (Comp	Dany Name): fresta Construction Inc

Option No. 4 - Construction of 4 Foundations for 4 sign locations 11-FOOT WIDTH	
Quote Amount: 17,600 00	_
Quote Amount in Writing: Sevent in hundred of a dollars	_
Option No. 4 - Construction of 5 Foundations for 5 sign locations 11-FOOT WIDTH	
Quote Amount: 4 P P D D	_
Quote Amount in Writing: Fight Thousand of our Sollaurs	_
Option No. 4 - Construction of 6 Foundations for 6 sign locations 11-FOOT WIDTH	
Quote Amount: SYDD	
Quote Amount in Writing: Lighty-four hundred Tow dellars	•
The vendor shall provide three references with phone numbers below and provide documentation vendor has been a mason for a minimal of 10 years: 1. Local 3803 since 1979 2. Local 803 since 1979 3. Finch west Chies & Stone	n that the
3. Flanhorst Chicas Stone	
Acceptance of Quote:	
By: Date:	_
City of Darien	
Authorized and Accepted:	
Ву:	
Title:	
Date:	

Foundation Work

Submitted by (Company Name): Tresta Construction Inc

AGENDA MEMO

Municipal Services Committee Meeting July 23, 2012

ISSUE STATEMENT

A resolution accepting a proposal from LaGrange Materials Inc for the concrete masonry units-concrete block hollow, in an amount not to exceed \$1,265.90 for the City's Entrance Signs.

BACKGROUND/HISTORY

The 2012-13 Budget calls out for the removal and replacement of the City's Entrance Monument Signs located within DuPage County right of ways. The concrete block is part of a structural component of the proposed signs. This would allow the City to purchase the required block for the following monument signs:

- 1. 75th Street west of Sawmill Creek (fronting Hinsdale South High School-Westbound
- 2. Cass Avenue 6800 Block-Southbound
- 3. Cass Avenue North Frontage Rd (Hinswood Dr)-Northbound
- 4. Lemont Road North Frontage Rd/Cheese Rd and Lemont Rd-Northbound
- 5. Plainfield/83rd Street East of Woodward Ave-Darien/Woodridge jurisdiction
- 6. 87th Street-(Boughton Rd) and Ailsworth Drive-Eastbound
- 7. Plainfield Road Fronting Crest Basin-Westbound
- 8. 75th Street east of Lemont Road-Westbound

Competitive quotes were requested, and staff received three (3) competitive quotes, attached as Attachment A. The lowest competitive total cost quote was provided by LaGrange Materials Inc. See Attachment 2 for the Cost Summary as presented in blue (A10 - A28) for LaGrange Materials.

The proposed expenditure would be from the following account:

ACCOUNT NUMBER	ACCOUNT DESCRIPTION	FY 12-13 BUDGET	YEAR TO DATE TO BE EXPENDED	PROPOSED EXPENDITURE	PROPOSED BALANCE
25-35-4815	Welcome Sign Replacements May 7,2012	\$ 108,000.00	\$ 0	\$ 18,000.00	\$ 90,000.00
25-35-4815	Concrete Footing and Walls	N/A	\$ 18,000.00	\$ 15,050.00	\$ 74,950.00
25-35-4815	Concrete Blocks	N/A	\$ 33,050.00	\$ 1,265.90	\$ 73,684.10

STAFF RECOMMENDATION

The staff recommends a resolution accepting a proposal from LaGrange Materials Inc for the concrete masonry units-concrete block hollow, in an amount not to exceed \$1,265.90 for the City's Entrance Signs.

2012 Concrete Block-Monument Signs July 23, 2012 Page 2

ALTERNATE CONSIDERATION

As directed by the Municipal Services Committee.

DECISION MODE

This item will be placed on the August 6, 2012 City Council agenda for formal approval.

CITY OF DARIEN PUBLIC WORKS 1702 PLAINFIELD ROAD DARIEN, IL 60561

SEALED BID: 2012 Monument Signs - Concrete Blocks

OPENING DATE/TIME: June 26, 2012 @ 11:00 a.m.

	Andrew State Control of the Control						
		LaGr	Grange Materials	Pro M	Pro Masonry Express	Les Moor	Les Moore & Co., LLC
						•	
							THE PERSON NAMED AND ADDRESS OF THE PERSON NAMED AND ADDRESS O
Option	Option DESCRIPTION						
1	510 Hollow concrete blocks		\$ 795.50		\$ 4,200.00	8	1,225.00
7	850 Hollow concrete blocks		\$ 1,265.90		\$ 6,550.00	69	1,936.00
3	510 Solid concrete blocks		\$ 1,240.40		\$ 5,085.00	\$	1,810.00
4	850 Solid concrete blocks		\$ 1,988.40		\$ 7,975.00	\$9	3,005.00
							- Harris Andrews Andrews - Harris - Har
			100				
	Total		\$ 5,290.20		\$ 23,810.00	₩.	7,976.00

ENTRANCE WAY SIGNS-PROJECT COST ALLOCATIONS

			NCE WAT 31	,									
	DESCRIPTION Concrete Footing and Walls	Labor, material for	ning of footing and	walls	i								
	Concrete Found and War	Lines, timesus in	Presia	· ·								-	
A2		Awarded Vendor	Construction Inc		Cost Per	Cost for Na af	Cost for No of	Cast for No. of	Cost for Na of	Cost for No. of	Cost for No of	Cost Cost Name	Demonstra
A3		No of Signs	Units P	er Sign	Sign	Signs	Signs	Signs	Signs	Signs	Signs	Signs	Proposed Expenditure
Ai	·					2	3	4	5	6	7	8	
A5			Na of Units	Unit Cost									
	Option No 3-A												
	10-Foot Widths Option No 4-A	3		\$ 1,850,00	\$ 1,850,00		\$ 5,550.00	-					\$ 5,550,00
	11-Foot Widths	5		\$ 1,900,00	\$ 1,900,00				\$ 9,500.00				\$ 9,500,00
								<u></u>	L,				
			LaGrange										
A10	Concrete Block	Awarded Vendor	Materials		C D	17 1 Nr	M F NF	leda eda e	l et - a e - avil del	F	M	P F F	
AII		В	Units Per Sign	Unit Cost	Cost Per Sign	Signs	Signs	Signs	Signs	Signs	Cost for No of Signs	Signs	Proposed Expenditure
A12						7	3	1	5	б	7	8	
	Option No 1 Hollow Block	510	105.00	\$ 1.55980	A 157.70				2				
	Option No 2	210	(105,00)	\$ 1.55980	\$ 163.78				S 795.50				
A16	Hallow Block	633	105,00	\$ 1,55980	\$ 163.78					\$ 987.35			
	Option No 3 Hollow Block	739	105,00	\$ 1,55980	\$ 163.78		· · · · · · · ·				S 1,152.69		-
	Option No 4			1,03501	3 103.76						3 1,132.07		
	Hotlow Block	850	105,00	\$ 1,48929	\$ 156.38							\$ 1,265,90	\$ 1,265,90
	Option No 5 Solid Block	510	105.00	\$ 2,43215	S 255.38				\$ 1,240,40				
A23	Option No 6						·						
	Solid Block Option No 7	633	105.00	S 2.43215	\$ 255.38		 	 	 	\$ 1,539.55	 		
A26	Salid Block	739	105.00	\$ 2,43215	\$ 255,38						\$ 1,797.36		
	Option No 8 Solid Block	B50	105.00	\$ 2,34047	\$ 245.75			 			<u> </u>	S 1,989.40	
				. + 1414 /	243./3			1				1,989.40	
A29	Cultured Stone	Shale Pro Fit Ledg	estone PF8016 Les Moore & Co.										
A30	The second second	Awarded Vendor	LCs Moore & Co.	L									
				<u> </u>	Cost Per		Cost for No of				Cost for No of		
A31 A32		No of Signs	Sq Ft Flats	er Sign Corners Lineal Fr	Sign	Signs 2	Signs	Signs 4	Signs 5	Signs 6	Signs 7	Signs B	Expenditure
	Option No 1		105	52.75									
	420 Sq. Ft. of Flats; 211 Lineal feet of corners, mortar			16154	N V		16.000						
A34	Bonding Agent	4	420	211.00	\$ 1,508.00			\$ 6,032,00					
A35	Option No 2		106	52.75									
	530 Sq. Ft. of Flats; 264 Lineal feet of corners, mortar												
	Bonding Agent	5	530	264	\$ 1,501.00				\$ 7,505.00	7.			
A37	Option No 3 635 Sq. Ft. of Flats; 317 Lineal		106	52.75	 					20 12 2	1000		
	feet of corners, mortar	1 :									1 14 1	1.00	
A38	Bonding Agent		635	317	\$ 1,483.33				<u> </u>	\$ 8,900,00			
A39	Option No 4 742 Sq. Ft, of Flats; 369 Lineal		106	52,75		1 1			 				
1.	feet of corners, mortar												
	Bonding Agent Option No 5	7	742 106	369 52.75	5 1,160.71				1		S 10,225.00		
1111	848 Sq. Ft. oFFlats; 422 Lineal	5 - 7 - 7 - 4 - 5	1177	32.13				1 1			5 1 3 4 7		
A 17	feet of corners, mortar Bonding Agent	8	848	422	5 1,456.25			45				F 11 CEA 00	11.550.00
1374	Bonning Atomi			12.	3 1,450.23	· · · · · · · · · · · · · · · · · · ·	·····					\$ 11.650.00	S 11,650,00
A43	Pier Caps	36-inch Square Pic								•			
Att		Awarded Vendor	Pro Masonry Express										
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A45		No of Signs	Units	Per Sign	Sign	Signs	Signs	Signs	Signs	Signs	5igns	Sign	Expenditure
A47			No of Units	Unit Cost							<u> </u>		
	Option 4 36-Inch Square Pier	2		S 325.00	\$ 650,00	\$ 1,300.00				<u> </u>			
A50	Option 5					1,000,141 ج					1 2 2 2 3 3		<u> </u>
	36-inch Square Pier	3	6	S 325,00	\$ 650,00	5 - 1 - 1	S 1,950.00						344 4 5 5
	Option 6 36-inch Square Pier		*	\$ 325.00	\$ 650.00		 	\$ 2,600,00	 	<u> </u>		 	
A54	Oction 7		100					The state					
	36-Inch Square Pier Option 8		10	5 325.00	\$ 650.00			1 1 1 1 1 1 1 1	5 3,250.00	1		<u> </u>	
A57	36-inch Square Pier	6	12	\$ 325,00	\$ 650,00		<u> </u>	7, 7	1	\$ 3,900.00			
A58	Option 9 36-Inch Square Pier	7	14	\$ 325.00	\$ 650.00			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			\$ 4,550,00		
A60	Option 10			1 1 1 1 1 1 1 1 1	1				<u> </u>		\$ 4,550,00	<u> </u>	
	36-inch Square Pier	8	16	S 325,00	\$ 650,00		ſ	1	I	i		\$ 5,200.00	\$ 5,200,00
A62	Masonry Work	Installation of Blo	ck and Stone	1									
	· · · · · · · · · · · · · · · · · · ·		Pioneer		100	1	1.0		T	1		<u> </u>	<u> </u>
A63		Awarded Vendor	Construction	<u> </u>	Cost Per	Cost for No -f	Cost for No	Cost for Mr.	Cost for Mar-F	Cost for Mr.	Cost for No of	Cost for No -	Proposed
A64		No of Signs	Units	Per Sign	Sign	Cost for No of Signs	Signs	Signs	5igns	Signs	Signs	Cost for No of	Expenditure
A65			1	1		2	3	4	5	6	7	B	
A66 A67	Option No 1		No of Units	Unit Cost	 		-	<u> </u>	1	1	+		
A68	Foundation and Piers	. 4		\$ 1,750,00	\$ 1,750.00			\$ 7,000.00					
A59	Option No 2 Foundation and Piers	5	ļ	\$ 1.760.00	\$ 1,760.00		 	+	\$ 8,600.00	<u> </u>		-	
	Ontion No 3					I	 		a minimu				
	Foundation and Piers	6		\$ 1,766.67	\$ 1,766.67			4		\$ 10,600.00			
		l											
A73	Option No 4 Foundation and Piers	7		S 1,766.67	\$ 1,766,67	1	 			·	\$ 12,366.69		
A73 A74 A75	Option No.4 Foundation and Piers Option No.5										\$ 12,366.69		
A73 A74 A75 A76	Option No 4 Foundation and Piers Option No 5 Foundation and Piers	7 1			\$ 1,766.67 \$ 1,766.67						\$ 12,366.69	\$ 14,133,36	\$ 14,133.36
A73 A74 A75	Option No 4 Foundation and Piers Option No 5 Foundation and Piers										\$ 12,366.69	\$ 14,133,36	\$ 14,133.36

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A103 Contingency A104 Steel-Exemution-Concrete No of Signs Units Per Sign Signs igns Signs Signs Signs Signs Signs Signs Signs Signs Signs Signs Signs Signs	AIGE	Option No 5	N. 19 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	100000										The Agrandan
A 104 Steel-Exemution-Concrete No of Signs Units Per Sign Cost fer No of Signs Sig	A192	Landscaping	8		1 5 2,000.00	\$ 2,000.00				1		and the second	\$ 16,000.00	\$ 16,000.0
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A106 No of Units Unit Cost A107 Option No 1 A107 Option No 1 A108 Option No 2 A109 Option No 2	A104	Steel-Exervation-Concrete	No of Signs	Units	Per Sign	Sign	Signs	Signs	Signs	Signs	Signs		Signs	Expenditure
A107 Option No 1 A108 Contingency 4 4 4 5 1,100.00 5 1,100.00 5 4,400.00	4105				I		2	3	4	55	6	7	盐	
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A112 Landscaping 6 6 5 1,100.00 5	A110	Contingency		4	00.001,1 2 2	\$ 1,100.00	1			\$ 5,500.00		1		
A113 Option No 4	A111	Contingency											L	L
	A112	Landscaping	6		5 \$ 1,100,00	\$ 1,100,00	1				\$ 6,600,00			
A114 Contingency 7 7 5 1,100,00 5 1,100,00 5 1,100,00 5 5 1,100,00	A113	Option No 4								L				
	A114	Contingency	7		7 5 1,100.00	\$ 1,100.00			1	l		\$ 7,700.00	J	
A115 Option No 5						I		1		1				
	A115					1					1	T	\$ 8,800.00	S 8,800.

THIS FORM MUST BE COMPLETED AND RETURNED TO 1702 PLAINFIELD ROAD BY NO LATER THAN JUNE 26, 2012 – 11 A.M.

ATTN: PUBLIC WORKS

QUESTIONS MAY BE DIRECTED TO MUNICIPAL SERVICES AT 630-353-8106

Submitted by:	BOB OSTIZOM					
Vendor Name:	LA GRANGE AUITERIALS, INC.					
Address:	223 S. TILDEN AVE LA GRANCE, IL 60525					
Dage:	June 12, 2012					
Phone #:	708-354-7200 Fax #: 708 354 7804					
E-mail Address:	lograngematerial@ aol com					
Authorized Signature:	(fact Estant					
Option No. 1 -	510 hollow concrete blocks - 8x8x16 10 units of mortar mix Delivery					
Quote Amount:	\$ 795.50 (ASSUMING UNIT OF MORTAR IS A SINGLE BAG)					
Quote Amount in Writing: SEVEN HUNDRED AND UNETY FIVE FOLLARS AND 50 CENT						
Option No. 2 -	850 hollow concrete blocks - 8x8x16 12 units of mortar mix Delivery					
Quote Amount:	\$ 1265.90					
Quote Amount in Writing	ONE THOUGHAS TWO HUMBRED AND SIXTY FIVE DOLLARS					
	AND INNERY CENTS.					
Option No. 3 -	510 solid concrete blocks - 8x8x16 12 units of mortar mix Delivery					
Quote Amount:	\$ 1,240.40					
Quote Amount in Writing						
	AND FOURTY CENTS!					
Hollow Concrete Blocks						
Submitted by (Company Name):	LAGRAGE MATERIALS INC.					

Option No. 4 -	850 solid concrete 12 units of morta Delivery		3x8x16		
Quote Amount:	\$ 1988.40				
Quote Amount in Writin	g: <u>QUE THOUSAND</u>	NINE HUN	DASED AND	EIGHTY EIGHT	
, , , , , , , , , , , , , , , , , , ,	DOLLARS AND FOU	IRTY CEN	<u>15 · </u>		
The vendor shall provide to					
1. PUCHARDS TWEY			2 1919		
2. MIDWEST MA	souty	847 36	2 2211		
3. ENRLY TIMES	Have sawnars	630 - 6	029 2090		-
Acceptance of Quote:					
By: City of Darien				Date:	
City of Darien					
Authorized and Accepte	1;				
Ву:		·····			
Title:			· · · · · · · · · · · · · · · · · · ·	olicida como moderno	
Date:	_				

Hollow Concrete Blocks

Submitted by (Company Name): __

AGENDA MEMO

Municipal Services Committee Meeting July 23, 2012

ISSUE STATEMENT

A resolution accepting a proposal from Les Moore & Company, LLC for the Cultured Stone-Shale Pro Fit Ledgestone PF8016 in an amount not to exceed \$11,650.00 for the City's Entrance Signs.

BACKGROUND/HISTORY

The 2012-13 Budget calls out for the removal and replacement of the City's Entrance Monument Signs located within DuPage County right of ways. The cultured stone will be set in place with a bonding agent to the concrete block. A mason will be installing the cultured stone and the mason services are covered under a separate agenda memo. The stone will be placed on all four exposed sides of the piers. The City will purchase the required stone for the following monument signs:

- 1. 75th Street west of Sawmill Creek (fronting Hinsdale South High School-Westbound
- 2. Cass Avenue 6800 Block-Southbound
- 3. Cass Avenue North Frontage Rd (Hinswood Dr)-Northbound
- 4. Lemont Road North Frontage Rd/Cheese Rd and Lemont Rd-Northbound
- 5. Plainfield/83rd Street East of Woodward Ave-Darien/Woodridge jurisdiction
- 6. 87th Street-(Boughton Rd) and Ailsworth Drive-Eastbound
- 7. Plainfield Road Fronting Crest Basin-Westbound
- 8. 75th Street east of Lemont Road-Westbound

Competitive quotes were requested, and staff received two (2) competitive quotes, attached as Attachment A. Staff requested option pricing for completing up to 5 signs. Since the overall pricing for the monument signs was under the proposed budget cost, materials were increased to complete all eight (8) signs as presented. The lowest competitive total cost quote was provided by Les Moore & Company, LLC. See Attachment 2 for the Cost Summary as presented in purple (A29 – A42) for Les Moore & Company, LLC.

The proposed expenditure would be from the following account:

ACCOUNT NUMBER	ACCOUNT DESCRIPTION	FY 12-13 BUDGET	YEAR TO DATE TO BE EXPENDED	PROPOSED EXPENDITURE	PROPOSED BALANCE
25-35-4815	Welcome Sign Replacements May 7,2012	\$ 108,000.00	\$ 0	\$ 18,000.00	\$ 90,000.00
25-35-4815	Concrete Footing and Walls	N/A	\$ 18,000.00	\$ 15,050.00	\$ 74,950.00
25-35-4815	Concrete Blocks	N/A	\$ 33,050.00	\$ 1,265.90	\$ 73,684.10
25-35-4815	Cultured Stone	N/A	\$ 34,315.90	\$ 11,650.00	\$ 62,034.10

2012 Cultured Stone-Monument Signs July 23, 2012 Page 2

STAFF RECOMMENDATION

Staff recommends approving a resolution accepting a proposal from Les Moore & Company, LLC for the Cultured Stone-Shale Pro Fit Ledgestone PF8016 in an amount not to exceed \$11,650.00 for the City's Entrance Signs.

ALTERNATE CONSIDERATION

As directed by the Municipal Services Committee.

DECISION MODE

This item will be placed on the August 6, 2012 City Council agenda for formal approval.

CITY OF DARIEN PUBLIC WORKS 1702 PLAINFIELD ROAD DARIEN, IL 60561

SEALED BID: 2012 Monument Signs - Cultured Stone

OPENING DATE/TIME: June 26, 2012 @ 11:00 a.m.

·							
		Pro Ma	sonr	y Express	Les M	oore &	Co., LLC
O4'	DESCRIPTION						
Option A.	DESCRIPTION Pheasant Pro-Fit Apline Ledgestone C	EV/420117					
А.	420 Sq. Ft. of Flats; 211	57420117	-				
	Lineal feet of corners.						
1	mortar Bonding Agent		\$	7,800.00			6 022 00
	530 Sq. Ft. of Flats; 264		TD.	7,800.00		\$	6,032.00
	Lineal feet of corners,						
2	mortar Bonding Agent		\$	9,490.00		S	7,505.00
	635 Sq. Ft. of Flats; 317		4,	2,720.00		100	1,102.00
	Lineal feet of corners,						
3	mortar Bonding Agent		\$	11,700.00		8	8,900.00
	Sub-Total		\$	28,990.00		S	22,437.00
В	Gray Pro-Fit Ledgestone PF8018			-5,22,0,02		- -	22,137.00
	420 Sq. Ft. of Flats; 211					Ì	
	Lineal feet of corners,	j					
1	mortar Bonding Agent		\$	7,800.00		\$	6,205,00
	530 Sq. Ft. of Flats; 264						
	Lineal feet of corners,						
2	mortar Bonding Agent		\$	9,490.00		\$	7,725.00
	635 Sq. Ft. of Flats; 317						
	Lineal feet of corners,						
3	mortar Bonding Agent		\$	11,700.00		\$	9,165.00
	Sub-Total		\$	28,990.00		\$	23,095.00
C.	Platinum Pro-Fit Ledgestone PF8017						,
	420 Sq. Ft. of Flats; 211						
	Lineal feet of corners, mortar Bonding Agent						
1			\$	7,800.00		\$	6,205.00
	530 Sq. Ft. of Flats; 264 Lineal feet of corners,	İ					
2	mortar Bonding Agent						
			\$	9,490.00		\$	7,725.00
	635 Sq. Ft. of Flats; 317 Lineal feet of corners,						
3	mortar Bonding Agent		ch .	11 555 55		_	
	Sub-Total		<u>s</u>	11,700.00		\$	9,165.00
D.	Shale Pro-Fit Ledgestone PF8016		<u> </u>	28,990.00		\$	23,095.00
	420 Sq. Ft. of Flats; 211						
	Lineal feet of corners,						
	mortar Bonding Agent	1.	\$	7,800.00		\$	6 206 00
	530 Sq. Ft. of Flats; 264			7,000.00		Ф	6,205.00
	Lineal feet of corners,						
	mortar Bonding Agent		\$	9,490.00		\$	7,725.00
	635 Sq. Ft. of Flats; 317		<u> </u>	2,120,00		Ψ.	1,123.00
	Lineal feet of corners,	•					
	mortar Bonding Agent		\$	11,700.00		S	9,165.00
	Sub-Total		<u> </u>	28,990.00		S	23,095.00
	Total		\$	115,960.00		\$	91,722.00
						·	,,00

ENTRANCE WAY SIGNS-PROJECT COST ALLOCATIONS

	DESCRIPTION			1									
A1	Concrete Footing and Walls	Labor, material fo		d walls	1								
A2		Awarded Vendor	Prestn Construction Inc						1				
A3		No of Signs		h et	Cost Per	Cost for No of	Cost for No of	Cast for No of				Cost for No of	
A1		Note signs	Units	Per Sign	Sign	Signs	Expenditure						
A5			No of Units	Unit Cost	 	2	3	4	5	6	7	8	
	Option No 3-A 10-Foot Widths												
AB	Option No 4-A		 	\$ 1,850.00	\$ 1,850.00		\$ 5,550,00					·	\$ 5,550.00
A9	11-Foot Widths	. 5	5	\$ 1,900.00	\$ 1,900.00	72.1.			\$ 9,500.00				\$ 9,500.00
		 			<u> </u>	<u> </u>	l	<u> </u>	1				<u> </u>
Ain	Concrete Block	Awarded Vendor	LaGrange Materials										
	Contract Place				Cost Per	Cost for No of	Proposed						
A11		<u> </u>	Units Per Sign	Unit Cost	Sign	Signs 2	Signs	Signs	Signs	Signs	Signs	Signs	Expenditure
AI3	Option No I				 	- ' -	3	1 -1		6	7	1 1	
	Hollow Block Option No 2	510	105.00	\$ 1.55980	\$ 163.78	· · ·			\$ 795.50				
A16	Hollow Block	633	105.00	\$ 1.55980	\$ 163.78					\$ 987.35			····
	Option Na 3 Hallow Block	739	105.00	\$ 1.55980	\$ 163.78								
	Option No 4								· -		\$ 1,152.69		
	Hollow Block Option No 5	8.50	105.00	S 1.48929	\$ 156.38				-			\$ 1,265.90	S 1,265.90
	Solid Block Option No 6	510	105.00	\$ 2,43215	\$ 255.38				\$ 1,240,40	l			
A24	Solid Block	633	105.00	5 2,43215	S 255.3K		 		ļ	S 1,539,55	ļ		
	Option No 7 Solid Block	739	105.00		\$ 255.38	ļ	ļ						
A27	Option No 8	L						<u> </u>	1	<u></u>	\$ 1,797,36		
AZN	Solid Block	1150	105.00	\$ 2,34047	\$ 245.75						<u> </u>	5 1,989.40	
A19	Cultured Stone	Shale Pro Fit Lede]									
A30		Awarded Vendor	Les Moore & Co, LLC										
A31		No of Signs	fleries t	er Sign	Cost Per Sinn	Cost for No of	Cost for No of		Cost for No of				Proposed
A32	0.7.		Sq Ft Flats	Corners Lineal Ft		Signs 2	Signs	Signs 4	Signs 5	Signs G	Signs 7	Signs 8	Expenditure
יניא	Option No 1 420 Sq. Ft. of Flats; 211		105	52.75									
	Lincal feet of comers, mortar Bonding Agent		4 10 10 10						1 1 1				
A35	Option No 2	4	420 106	211.00 52.75	\$ 1,508.00			\$ 6,032.00					
	530 Sq. Ft. of Flats; 264 Lineal feet of curners, mortar	100		RTYTH.				117.194					
61.5	Bonding Arent	5	530	264	\$ 1,501.00			l in	\$ 7,505,00				
	Option No 3 635 Sq. Ft. of Flats; 317 Lincal		106	52,75								F E _ F F F F	
	feet of corners, mortar Bonding Acent				\$ 40.79		1.0						
A39	Option No 4		635 106	317 52.75	\$ 1,4B3.33		-	-		\$ R,900,00			
	742 Sq. Ft. of Flats; 369 Lineal feet of corners, mentar		1.4					1 1 1					
A40	Bonding Agent Option No 5	7	742		S 1,460.71						\$ 10,225.00		
	R4R Sq. Ft. of Flats; 422 Lineal		106	51.75									
	feet of corners, moran Bonding Agent	В	848	***	\$ 1,456.25		110						
					3 1,430.23						<u> </u>	5 11,650,00	S 11,650,00
A43	Pier Caps	36-inch Square Pie	r Pro Masonry							•			
A44		Awarded Vendor	Express		=								
A45		No of Signs	Units P	er Slgo	Cost Per Sign	Cost for No of Signs	Cost for No of Signs	Cost for No of Signs	Cost for No of Signs	Cost for No of Signs	Cost for No of Signs	Cost for No of Signs	Proposed Expenditure
A46 A47			No of Units	Unit Cost		2	3	4	5	6	7	B	Experimente
	Option 4 16-Inch Square Pier												
A50	Option 5	2	4	\$ 325.00	\$ 650.00	\$ 1,300.00	<u> </u>						
	36-Inch Square Pier Option 6	3	6	\$ 325,00	\$ 650,00		\$ 1,950,00		3. 3. 3. 3.				
A53	6-inch 5quare Pier	- 4	8	\$ 325.00	\$ 650.00			\$ 2,600,00					
	Option 7 36-inch Square Pier	5	16	\$ 325.00	\$ 650.00				P 3 2 2 2 2 2 2				
A56 (Option 8 6-inch Square Pier								\$ 3,250.00				
A58 0	Option 9	6	- 12	\$ 325,00	\$ 650,00					\$ 3,900,00	1 2 2 1 1		
	66-Inch Square Pier Option 10	7	14	\$ 325.00	2 650.00						\$ 4,550,00		
	6-Inch Square Pier		16	\$ 325.00	\$ 650.00							\$ 5,200,00	\$ 5,200.00
A62	Masonry Work	Installation of Elloci	k and Stone									- V-AMILIO	3,41AE,181)
A63		Awarded Vendor	Pioneer	• [1	· I	***						
	No. 10 Per		Construction	77	Cost Per	Cost for No of	Cost five No. of	Cost for No of	Cort for all and	. Phe			
A65		No of Signs	Units Po	r Sign	Sign	Signs	Signa	Signs	Signs	Signs	Signs	Signs	Proposed Expenditure
A66			No of Units	Unit Cost		2	3	4	5	6	7		
A68	Option No 1 Coundation and Piers	4	- 4	S [.756 no	5 1,750.00			\$ 7,000,00			:		
A69 C	Option No 2 condition and Piers							7,000,00					
A71 [Option Na 3	5	5	▶ 1,760,00	\$ 1,760,00				5 8,800,00				
	oundation and Piers Option No 4	6	. 6	\$ 1,766.67	\$ 1,766.07					00,000,01 2			
A74 I	oundation and Piers	7	7	S 1.766.67	\$ 1,766.67						\$ 12,366.69		
A76 F	omulation and Piers	8	В	\$ 1,766.67	S 1,766.67								
A77												\$ 14,133.36	\$ 14,133.36
			1					3	. 7				

	Monument Signs	Signs		.									
AUI)	TENANT AND ASSOCIATION AND ASSOCIATION	Awarded Vendor	Meno Stone	An artist Committee of	(Managed at	nicht erft beson	A Production Contract	14004840000	Grant Mary 1.55	Professor	Madaya Agaza	1400Ap.444,1958	MARKET SERVICE
187		Transfer Transfer (19	ASSESSED FOR	PARTIES NO.	Cost Per	Cost for No of		Cost for No of	Cost for No of	Cost for No of	Cost for No of	Cost for No of	Proposed
182	Provide National Company of the Comp	No of Signs		Per Sign	Sign	Signs	5 igns	5igns	Signs	Signs	Signs	Sinns	Expendinge
183		1790, 1990, 200, 300, 300, 300, 300, 300, 300, 30	8 200,9913 (300,000,004)	52 (2623) 463(254)	1993 6 460 85	AMARA 1999	2010 NO. 3 H/1892	~FFF1	44505 NO	2019/26 10 4000	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	775 Sec 8 0 Sec.	1,000,000,000,000
	Ontion No 2	Serie Copyristation, as he to	No of Units	Unit Cost	na Historiani (Agreement (50%	3.0000000000000000000000000000000000000	THE REPORT OF THE	www.popensines.	677900007000	5.00.004.005.5	1908/94/2009/94/24/24	Calcage Value on the two
		1	1 De la casa de la properción	100000000000000000000000000000000000000	300000000000000000000000000000000000000	<u> 1969 (16848) 19</u>	1975/1976/287	1940203	Permitting	20200203	494 (5006)	Gellen Belande	ratus Whitesakine
	5-Foot Width Monument Sign Option No 3	Corests of Faresta	4,000,000,000,000	5 1,700.00	\$ 1,700.00	terminal sec	\$ 5,100.00	学等等的特别	据提供的特殊的	4045046666	Kelly Sharty	UCHOREPEN	\$ 5.100.
		A 198 (198 (198 (198 (198 (198 (198 (198	2-10-23-20-20-20-20-20-20-20-20-20-20-20-20-20-	Season Season	59-53-613-2100	Westmonteach	रम्बद्धाः सङ्ग्रहाः ।	840/6494/645465	MEDANGMEN	2004/99/2006	本的在各位的	COASSESSES AND C	green and the
AB/	6-Foot Width Monument Sign	445-10-5.	. A children seatchers	\$ 1,980,00	5 1,980,00	100000000000000000000000000000000000000	789 (Vig. 979) C.S.	100600000	\$ 9,900.00	Remark (#64994)	344829000000	PERMANENTANDE	\$ 9,900.
				,									2,200
THE	Landscaping		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1										
		\$198 Mel 149	Schramm	1,000,000		1,111,591,9	Service and the	45'44 E, W. LEC	1111111111	1.15.02.15.7	3 4 15 7750 1	Frank San	
189		Awarded Vendor	Landscaping				计存储器 跨						
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190		No of Signs	Units	er Sign	Sign	Signs	Signs	Signs	Sinns	Signs	Signs	Signs	Expenditure
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92		3 3 5 5 5 5 5 5	No of Units	Unit Cost				-		· · · · · ·			
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94	Landscoping	4	6.5 Tel 10 (See 4	\$ 2,000,00	\$ 2,000.00	2 2 2 2 2 2 2 2	1 1 1 1 1 1 1 1 1	\$ 8,000,00			3 2 2 2 3		division in the second
95	Option No 2	The state of the	15 (2.5.1)		2 2,000.00			3 6,0A2.UI					<u> </u>
96	Landscaping	5	15.00	\$ 2,000.00	\$ 2,000.00	193	2 12 2 2 2 2 2 2 3 3 3 3 3 3 3 3 3 3 3 3					1 May 1 1 1 1 1	
97	Option No 3	1000		3,00,,127	2 2,000,02		37 37 53 5		\$ 10,000.00	12-12-13-1			Constant terms
98	Landscaping	6	6	\$ 2,000,00	\$ 2,000,00					2.4. 11.454.44.4	3, 5, 5, 5, 655	Notice product	and an explanation of
	Option No.4	3. 1 1 1 1 1 1 1 1 1	2 4 7 7 4 7	J ZINALIAN	3 2,1500,100			. : 121 - : 151		5 12,000,00			14 TO 14 TO 15
100	Landscaping	7	7	\$ 2,000.00	\$ 2,000.00			1 11 15 15 11		2 - 2 - 2 - 2			esta utin egit tir
	Ontion No 5			***************************************	3 2,18,0,00			2011 1427 1427	11 TO 1 W. T. 12 T.	46.114.7,434.4	\$ 14,000,00	14.47 7 75.57	Station of Type at A
TOTE													
	Landscaning			£ 2 PAVE DO			1 1 1 1 1 1 1 1 1	34.00		NAMES OF STREET	A ARM ARE STORY		Part trackets
	Landscaping	R		\$ 2,000,00	\$ 2,000,00					Santa Angles (A. C.) Angles (A. C.)	A ASSOCIATION	\$ 16,000,00	S 16,000,0
	Landscaping				\$ 2,000,00						1 - 12 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	\$ 16,000,00	\$ 16,000.0
102					\$ 2,000,00						1 2 1	\$ 16,000,00	\$ 16,000,0
102	Landscaping Contingency												\$ 16,000.0
103	Contingency	E	В	\$ 2,000,00	Cost Per	Cost for No of	Cost for No of	Cost for No of	Cost for No of			\$ 16,000.00 Cost for No of	****
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RESOLUTION NO.

A RESOLUTION ACCEPTING A PROPOSAL FROM LES MOORE & COMPANY, LLC FOR THE CULTURED STONE-SHALE PRO FIT LEDGESTONE PF8016, IN AN AMOUNT NOT TO EXCEED \$11,650.00 FOR THE CITY'S ENTRANCE SIGNS

BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF DARIEN, DU PAGE COUNTY, ILLINOIS, as follows:

SECTION 1: The City Council of the City of Darien does hereby accept a proposal from Les Moore & Company, LLC for the Cultured Stone-Shale Pro Fit Ledgestone PF8016, in an amount not to exceed \$11,650.00 for the City's Entrance Signs, a copy of which is attached hereto as "Exhibit A" and is by this reference expressly incorporated herein.

SECTION 2: This Resolution shall be in full force and effect from and after its passage and approval as provided by law.

PASSED BY THE CITY COUNCIL OF THE CITY OF DARIEN, DU PAGE
COUNTY, ILLINOIS, this 6th day of August 2012.

AYES:

NAYS:

ABSENT:

APPROVED BY THE MAYOR OF THE CITY OF DARIEN, DU PAGE COUNTY, ILLINOIS, this 6^{th} day of August 2012.

KATHLEEN MOESLE WEAVER, MAYOR

ATTEST:

JOANNE E. RAGONA, CITY CLERK

APPROVED AS TO FORM:

CITY ATTORNEY

THIS FORM MUST BE COMPLETED AND RETURNED TO 1702 PLAINFIELD ROAD BY NO LATER THAN JUNE 26, 2012 \pm 11 A.M.

ATTN: PUBLIC WORKS
QUESTIONS MAY BE DIRECTED TO MUNICIPAL SERVICES AT 630-353-8106

Submitted by:	Nicholas Moore
Vendor Name:	Les Moore & Co. LLC
Address:	500 W. Ninth St. Lockport IL
Date:	6-26-12
Phone #:	815-838-3439 Fax #: 815-838-4439
E-mail Address:	NG MOORE @ SBC GLOBAL, NET
Authorized Signature	:- Nikolas Moore
A. Pheasant Pro-	Fit Alpine Ledgestone CSV420117
Option No. 1 -	420 square feet of flats 211 lineal feet of corners Mortar Bonding Agent Delivery
Quote Amount:	\$6,032.00
Quote Amount in Writin	ng: Six Thousand Thirty Two Dollars
Quote Inclu	des Stone Veneer Mortar Mix-73 bags
Option No. 2 -	530 square feet of flats 264 lineal feet of corners Mortar Bonding Agent Delivery
Quote Amount:	\$7505,00
Quote Amount in Writin	ig: Seven Thousand Five Hundra L Five Dollar
Quote Includ	es Stone Veneer Mortar Mix - 93 bags
Option No. 3 -	635 square feet of flats 317 lineal feet of corners Mortar Bonding Agent Delivery
Quote Amount:	# 8,900.00
Quote Amount in Writin Quote Includ Cultured Stone	# 8,900.00 B: Eighty Nine Hundred Dollars les Stone Veneer Mortar Mix - 112 bags
	ny Name): Les Moore & Co., LLC

B. Gray Pro-Fit Ledgestone PF8018

Option No. 1 -	420 square feet of flats
	211 lineal feet of corners
	Mortar Bonding Agent
	Delivery
Quote Amount:	\$ 6,205.00
Quote Amount in Writi	ng: Six Thousand Two Hundred Five Dollars des Stone Veneer Mortar Mix - 73 bags
Queto Inch.	des Stone Veneer Mortar Mix - 73 bags
ACCIO SINCIA	des stoke veneer /lorlar /lix - 1/3 bags
	5
Option No. 2 ~	530 square feet of flats
	264 lineal feet of corners
	Mortar Bonding Agent
	Delivery
	4000
Quote Amount:	\$7725.00
Quote Amount in Writing	ne: Seventy Seven Hundred Twenty Five Dollers
	les Stone Veneer Mortar Mix - 93 bags
	= 13 bags
Option No. 3 -	635 square feet of flats
	317 lineal feet of corners
	Mortar Bonding Agent
	Delivery
	u
Quote Amount:	\$ 9165,00
Quote Amount in Writin	B: Ninety One Hundred Sixty Five Dollars
	es Stone Veneer Mortar Mix - 112 bags
	· · · · · · · · · · · · · · · · · · ·

Cultured Stone

Submitted by (Company Name): Les Moore & Co., LLC

p.6

C. Platinum Pro-Fit Ledgestone PF8017

Les Moore & Co.,LLC

Option No. 1 -420 square fect of flats 211 lineal feet of corners Mortar Bonding Agent Delivery # 6205.00 Quote Amount: Quote Amount in Writing: Option No. 2 -530 square feet of flats 264 lineal feet of corners Mortar Bonding Agent Delivery Quote Amount: Seven Hundred Twenty Five Dollars Quote Amount in Writing: Option No. 3 -635 square feet of flats 317 lineal feet of corners Mortar Bonding Agent Delivery Quote Amount: Quote Amount in Writing:

Cultured Stone

Les Moore & Co. LLC Submitted by (Company Name):

D. Shale Pro-Fit Ledgestone PF8016

Option No. 1 -420 square feet of flats 211 lineal feet of corners Mortar Bonding Agent Delivery \$ 6205.00 Six Thousand Two Hundred Five Dollars Quote Amount: Quote Amount in Writing: Quote Includes Stone Veneer Mortar Mix - 73 bags Option No. 2 -530 square feet of flats 264 lineal feet of corners Mortar Bonding Agent Delivery Quote Amount: #7725.00

Quote Amount in Writing: Seventy Seven Hundred Twenty Five Dollars
Quote Includes Stone Veneer Mortar Mix - 93 bags

Option No. 3 -635 square feet of flats 317 lineal feet of corners Mortar Bonding Agent

Delivery

Cultured Stone

Les Moore & Co, LLC Submitted by (Company Name):

Les Moore & Company, LLC

FACE BRICK * STONE * MASONRY MATERIALS * COMMERCIAL DOORS 500 W. Ninth Street Lockport, IL 60441 VOICE: (815) 838-3439 FAX: (815) 838-4439

Proposal

From: Nicholas Moore

July 13, 2012

City of Darien

Attn: Dan

We propose to supply Gray, Platinum or Shale Pro-Fit Ledgestone.

Option No.4

742 square feet of flats

369 linear feet of corners

126 bags Specmix Stone Veneer Mortar Mix

Total \$ 10,725.00

Option No.5

848 square feet of flats

422 linear feet of corners

145 bags Specmix Stone Veneer Mortar Mix

Total \$ 12,225.00

FOB: Darien Public Works ,1041 South Frontage Road, Darien

Les Moore & Company, LLC

FACE BRICK * STONE * MASONRY MATERIALS * COMMERCIAL DOORS 500 W. Ninth Street Lockport, IL 60441 VOICE: (815) 838-3439 FAX: (815) 838-4439

Proposal

From: Nicholas Moore

July 13, 2012

City of Darien

Attn: Dan

We propose to supply Pheasant Pro-Fit Alpine Ledgestone.

Option No.4

742 square feet of flats

369 linear feet of corners

126 bags Specmix Stone Veneer Mortar Mix

Total \$ 10,225.00

Option No.5

848 square feet of flats

422 linear feet of corners

145 bags Specmix Stone Veneer Mortar Mix

Total \$ 11,650.00

FOB: Darien Public Works ,1041 South Frontage Road, Darien

The vendor shall provide three references with	
1. Instone 2. Morris Sand& Gravel 3. Imperial Glass Block	708-371-0660
2. Morris Sand& Gravel	815-942-9305
3. Imperial Glass Block	847-647-8770
Acceptance of Quote:	
Ву:	Date:
By:City of Darien	
Authorized and Accepted:	
By:	
Title:	
Date:	

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AGENDA MEMO

Municipal Services Committee Meeting July 23, 2012

ISSUE STATEMENT

A resolution accepting a proposal from Pro Masonry Express for the 36-inch Pier Caps in an amount not to exceed \$5,200 for the City's Entrance Signs.

BACKGROUND/HISTORY

The 2012-13 Budget calls out for the removal and replacement of the City's Entrance Monument Signs located within DuPage County right of ways. The pier caps will be set atop of the piers with a bonding agent. The City staff and the mason will be setting the pier caps. This would allow the City to purchase 16 pier caps for the following monument signs:

- 1. 75th Street west of Sawmill Creek (fronting Hinsdale South High School-Westbound
- 2. Cass Avenue 6800 Block-Southbound
- 3. Cass Avenue North Frontage Rd (Hinswood Dr)-Northbound
- 4. Lemont Road North Frontage Rd/Cheese Rd and Lemont Rd-Northbound
- 5. Plainfield/83rd Street East of Woodward Ave-Darien/Woodridge jurisdiction
- 6. 87th Street-(Boughton Rd) and Ailsworth Drive-Eastbound
- 7. Plainfield Road Fronting Crest Basin-Westbound
- 8. 75th Street east of Lemont Road-Westbound

Competitive quotes were requested, and staff received two (2) competitive quotes, attached as Attachment A. Staff requested option pricing for up to 10 pier caps to accommodate 5 signs. Since the overall pricing for the monument signs was under the proposed budget cost, materials were increased to complete all 8 signs based on the unit price cost. See Attachment 2 for the Cost Summary as presented in green (A43 – A61) for Pro Masonry Express.

The proposed expenditure would be from the following account:

ACCOUNT NUMBER	ACCOUNT DESCRIPTION	FY 12-13 BUDGET	YEAR TO DATE TO BE EXPENDED	PROPOSED EXPENDITURE	PROPOSED BALANCE
25-35-4815	Welcome Sign Replacements May 7,2012	\$ 108,000.00	\$ 0	\$ 18,000.00	\$ 90,000.00
25-35-4815	Concrete Footing and Walls	N/A	\$ 18,000.00	\$ 15,050.00	\$ 74,950.00
25-35-4815	Concrete Blocks	N/A	\$ 33,050.00	\$ 1,265.90	\$ 73,684.10
25-35-4815	Cultured Stone	N/A	\$ 34,315.90	\$ 11,650.00	\$ 62,034.10
25-35-4815	Pier Caps	N/A	\$ 45,965.90	\$ 5,200.00	\$ 56,834.10

2012 Pier Caps-Monument Signs July 23, 2012 Page 2

STAFF RECOMMENDATION

Staff recommends a resolution accepting a proposal from Pro Masonry Express for the 36-inch Pier Caps in an amount not to exceed \$5,200 for the City's Entrance Signs.

ALTERNATE CONSIDERATION

As directed by the Municipal Services Committee.

DECISION MODE

This item will be placed on the August 6, 2012 City Council agenda for formal approval.

CITY OF DARIEN PUBLIC WORKS 1702 PLAINFIELD ROAD DARIEN, IL 60561

SEALED BID: 2012 Monument Signs - Pier Caps

OPENING DATE/TIME: June 26, 2012 @ 11:00 a.m.

Pro Masomy Express Meno State							
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ENTRANCE WAY SIGNS-PROJECT COST ALLOCATIONS

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March Marc														
March Marc			No of Signs	Units I	er Sign	Sign								Expenditure
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Mary Mary			510	105.00	\$ 1,55980	\$ 163,78				\$ 795.50				
AB Delication Type Series 1.5000 1.	A16	Hollow Block	633	105.00	\$ 1.55980	\$ 163,78					\$ 987.35			
Apr	AIB	Hollow Block	739	105.60	S 1,55980	\$ 163,78			** **		-	\$ 1,152.69		
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A58 Option 9	Λ56	Option B	11.				<u> </u>				E 3 000 000			
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A62 Masonry Work Installation of Block and Stone Piomeer Construction	A60	Option 10		l	1.	1					 	\$ 4,550.00		
A63			B	16	5 325.00	\$ 650,00	1			1			\$ 5,200,00	\$ 5,200,00
A63	A62	Maseury Work	Installation of Blo			r		·			1	1		
A64 No of Signs Units Per Sign Signs	AG3		Awarded Vendor		<u> </u>	<u> </u>					<u> </u>			
A65 No of Units Unit Cost S 1,750.00 S			No of Signs	Units 1	er Sign		Signs	Signs	Signs	Signs		Signs		
A67 Option No 1 A68 Foundation and Piers A69 Option No 2 A70 Foundation and Piers A71 Option No 3 A72 Foundation and Piers A73 Option No 4 A74 Foundation and Piers A75 Option No 5 A75 Option No 5 A76 Foundation and Piers A77 Option No 5 A78 Foundation and Piers A78 Option No 5 A79 Option No 5 A70 Option No 5 A71 Option No 5 A71 Option No 5 A72 Option No 5 A73 Option No 5 A74 Foundation and Piers A75 Option No 5 A76 Foundation and Piers A77 Option No 5 A78 Option No 5 A79 Option No 5 A70 Option No 5 A70 Option No 5 A71 Option No 5 A71 Option No 5 A72 Option No 5 A73 Option No 5 A74 Foundation and Piers A75 Option No 5 A75 Option No 5 A76 Option No 5 A77 Option No 5 A77 Option No 5 A78 Option No 5 A79 Option No 5 A79 Option No 5 A70 Option No 5 A70 Option No 5 A71 Option No 5 A72 Option No 5 A73 Option No 5 A74 Option No 5 A75 Option No 5 A75 Option No 5 A76 Option No 5 A77 Option No 5 A77 Option No 5 A78 Option No 5 A79 Option No 5 A79 Option No 5 A70 Option No 5 A70 Option No 5 A70 Option No 5 A70 Option No 5 A71 Option No 5 A71 Option No 5 A72 Option No 5 A73 Option No 5 A74 Option No 5 A75 Option No 5 A75 Option No 5 A76 Option No 5 A77 Option No 5 A77 Option No 5 A78 Option No 5 A79 Option No 5 A79 Option No 5 A70 Option No	A66			No of Units	Unit Cost		2							
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A71 Option No 3	A69	Option No 2							5 7,000.00					
A73 Option No 4 A74 Foundation and Piers 7 7 8 1,766.67 8 1,766.67	A71	Option No 3								00.008,8 2		:	1 -	
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A76 Foundation and Piers 11 8 5 1,766.67 5 1,766.67	A74	Foundation and Piers	7	7	\$ 1,766.67	\$ 1,766.67			<u> </u>	<u> </u>		\$ 12,366.69		
A77	A76		11	8	\$ 1,766,67	\$ 1,766.67							\$ 14,133.36	S 14,133.36
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	Monument Signs	Signs											
80	A Salaint (Missala), ai earth Anna ann aithe (a'	Awarded Vendor	Meno Stone	I district the family	www.eediaba	13.40.450.44	\$ 170 g + 1,13 gdg.	કુક ઓઇફાઈ છે.	3,150,435 (6.6.)	Programmer and the second	197155 355	WWW. Sampledia	Simple States (1997)
81		No of Signs	Units	Per Sign	Cost Per Sign	Cost for No of Signs	Cost for No of Signs	Cost for No of Signs	Cost for No of Stens	Cost for No of Signs	Cost for No of Siens	Cost For No of Signs	Proposed Expenditure
82		$\{(\lambda_{i})_{i=1}^{n}\}_{i=1}^{n}$	MARKS TO STATE	Lance (Victory Lan	1 10 -14 6 710 72	- 1200 2 1/15/07	\$ 750 3 (35.8)	2000 4 - 25/40	5	6	67-4-5 7 73-4-1	3	Expendinue
ĸ	ANAGONA CONTRACTOR OF THE		No of Units	Unit Cost	Court Action	entrationage (a)	entralitary (Aran	PROJECT RELEASED.	70934543444347947	survivore egizer	Q1,1965A,010A	Zetrakova seri	STANCE CONTRACTOR
R4	Option No 2	STANKAR (MANASA)	- Wavendige of	SANTING COLOR	1,000,000,000	ignal/strikglig	可以致存得的证	1900007-86006039	erakiela Rankiela	30,860,600,000	0.0000000000000000000000000000000000000	Z KATSHA negasisting	4565000000000
R5	5-Foot Width Monument Sign	adjesi kalanderik		\$ 1,700.00	\$ 1,700,00	No grander	\$ 5,100.00	老城市2014 OFF	585434P-25	Signature line	15-7-38-2-5-50-50	Allestra stanjung	\$ 5,100
	Option No 3	等的 的复数 15 mg 10 m	Willensagnist	1. 19.00.5476.916.04(1)	16 SERVICENE	of a sheep ways	skippinamer	#WEFFER CHE	Winds with the second	-5/2150-hs/275	ર્મક્ષેત્રસ્ટ્રેશન્ફોર્મ	POSTURE MARKET	4.734.444.55
87	6-Foot Width Monument Sign	490000000000000	, popráv stál kokupá s	\$ 1,980.00	\$ 1,980.00	stead tracks	SWEET, CONTROL	ing Statenage Stiget	\$ 9,900.00	skipjer (stepped	BRAKES BERTH	Messagesteads	\$ 9,900
HH	Landscaping	F. B. S. E. E. S. W. L. W.	1 27.00	7									
	1975/90/00/974 (984)	4499000000	Schramm	1.7 / 14 / 174 /	4	1 1 1 1 1 1 1 1 1 1	10.55.55.55	100000000000000000000000000000000000000		2		1	
89		Awanted Vendor	Landscaping				13/11/2012	441.59			100		
			IN THE LAN		Cost Per	Cost for No of			Cast for No of	Cost for No of	Cost for No of	Cost For No of	Proposed
90	1000 1000 1000 1000 1000	No of Signs		Per Sign	Sign	Signs	Signs	Signs	Signs	Siens	Signs	Signs	Expenditure
91						2	3 3 3 3	1		1 6	7	Ħ	1,191,141
	Option No 1	3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	No of Units	Unit Cost								121 14 2 2	1.0
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	Option No 2	*	1	3 2,000.00	\$ 2,000.00	1 - 1 - 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	\$ H,000,00	100 March 110	1 2 2 2 2 2		1 1 1 1 1	2006/01/2015
	Landscapine	e Santonia y 🌓		\$ 2,000,00	\$ 2,000.00	1 1 1 1	7 . 1, 2, 1			1.11	* * * * * * * * * * * * * * * * * * * *	1 1 1 1 1 1	
	Option No 3		100000000000000000000000000000000000000	2,1907,190	3 ZUKUUU		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		\$ 10,000.00	1 1 1 1 1 1	200 200 200		10.7 10.1
	Landscaning	6		S 2,000,00	\$ 2,000.00					± 12.000.00	2,41,241,141,14		155 356 3353
99	Option No 4		·	- SINALIAI	3 2,070,00	-		and the second		\$ 12,000.00			Table 1 A A
100	Landscaping	3 11 14 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	5 2 4 24 5 5	\$ 2,009.00	\$ 2,000.00	V. 1979. 327		+ 15,00 × 5	1. W. D. H. 12.		\$ 14,000.00	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
101	Option No 5	4.47 (4.4), 2.4	1000	1 200		9,151,15		1000			3 14,000.00		
102	Landscaping	В	1	S 2,000.00	\$ 2,000,00		l		 			\$ 16,000.00	\$ 16,000
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103	Centingency	······································			1	T =		,					
tn:	Steel-Excavation-Concrete	No of Siens	17-ta-	Per Sign	Cost Per Sign	Cost for No of						Cost for No of	Proposed
105	Manual Contrare	140 Ot aligns	Units	i'er Sign) Sign	5igns 2	Signs 3	5igns	Signs	Sinns	Signs	Signs	Expenditure
106			No of Units	Unit Cost	1	 		4	5	6	7	8	
107	Option No 1		NO GI CIAIS	Citi Cost		 	 		 		-		
1416	Contingency	4		\$ 1,100.00	\$ 1,100.00			\$ 4,400,00	 	 		 	
169	Option No 2			2,2,7,0,0,0	1 1,100,000	 	 	3,400.00	 		· · · · · ·		
110	Contingency		5	\$ 1,100,00	5 L100.00	 			\$ 5,500,00	·			
	Contingency				1				1 2200,00	 		 	
	Landscaping	. б		\$ 1,100.00	\$ 1,100,00		i —	 	1	\$ 6,600,00		 	
112	Ontion No 4					<u> </u>			1	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			
112 113								T		 	4	1	
112 113 114	Contingency	7		\$ 1,100.00	\$ 1,100.00	<u> </u>			1	į.	\$ 7,700.00		
112 113 114 115		7 B			\$ 1,100.00					 	\$ 7,700.00		

RESOLUTION NO.	
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CITY ATTORNEY

A RESOLUTION ACCEPTING A PROPOSAL FROM PRO MASONRY EXPRESS INC FOR THE 36-INCH PEIR CAPS, IN AN AMOUNT NOT TO EXCEED \$5,200.00 FOR THE CITY'S ENTRANCE SIGNS

BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF DARIEN, DU PAGE COUNTY, ILLINOIS, as follows:

SECTION 1: The City Council of the City of Darien does hereby accept a proposal from Pro Masonry Express Inc. for the 36-inch Pier Caps, in an amount not to exceed \$5,200.00 for the City's Entrance Signs, a copy of which is attached hereto as "Exhibit A" and is by this reference expressly incorporated herein.

SECTION 2: This Resolution shall be in full force and effect from and after its passage and approval as provided by law.

PASSED BY THE CITY COUNCIL OF THE CITY OF DARIEN, DU PAGE
COUNTY, ILLINOIS, this 6th day of August 2012.

AYES:

NAYS:

ABSENT:

APPROVED BY THE MAYOR OF THE CITY OF DARIEN, DU PAGE COUNTY,
ILLINOIS, this 6th day of August 2012.

KATHLEEN MOESLE WEAVER, MAYOR
ATTEST:

JOANNE E. RAGONA, CITY CLERK
APPROVED AS TO FORM:

THIS FORM MUST BE COMPLETED AND RETURNED TO 1702 PLAINFIELTO ROAD BY NO LATER THAN JUNE 26, 2012 - 11 A.M.

ATTN: PUBLIC WORKS

QUESTIONS MAY BE DIRECTED TO MUNICIPAL SERVICES AT 630-353 -8106

Submitted by:	MARTIN MRUGAN
Vendor Name:	Us misoney Expliss inc.
Address:	9 ACADIA OF. STREAMWOOD, ULGO/07
Date:	6/21/12
Phone #:	3) 343 (371 Fax#: (630) 255 0929
E-mail Address:	Plo MASSING GREAKS INC.
Authorized Signature:	12 mge
Option No. 1 -	4 34-inch Square Pier Epoxy for setting
Quote Amount: 3	Delivery
Quote Amount in Writin	g: Twelve Hul
Option No. 2 -	5 34-inch Square Pier Epoxy for setting Delivery
Quote Amount:	1,500
Quote Amount in Writin	g: Tiffee the
Option No. 3 -	6 -34-inch Square Pier Epoxy for setting Delivery
Quote Amount:	\$ 1,800
Quote Amount in Writin	8 1,800 8: Eylsten Flux
1	
Square Pier (CAP) Submitted by (Company M	Name): Pho Marsonly Explose 2

Option No. 4 - 4-36-inch Square Pier
325 per unit Delivery
`
Quote Amount: 41,300
Quote Amount in Writing:
Not APPLICABLE
Option No. 5 - (5) 36-inch Square Pier Epoxy for setting
Option No. 5 - (5) 36-inch Square Pier Epoxy for setting Delivery
Quote Amount: \$1,625
Quote Amount in Writing:
Option No. 6 - 6-36-inch Square Pier Epoxy for setting Delivery
Pelivery Delivery
Quote Amount: \$\\\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \
Quote Amount in Writing:
Carrie I I I I I I I I I I I I I I I I I I I
The vendor shall provide three references with phone numbers below:
1. MIKE WINDLE (DISMAN) (200) 274 5070
1. MIKE HUDEL (DISMAN) (708) 774 5070 2. LOWY PUIC (PUIC DENOGRAMENT) (847) 456 9793
3. 7050 LASIMUST (7 CS CONTINTO) (847) 987-4658
Acceptance of Quote:
By: Date:
By: Date:
Authorized and Accepted:
By:
Title:
Date:
Square Pier (CAP) Submitted by (Company Name): Plo Mtsawy ERPRES 3
wc.

AGENDA MEMO

Municipal Services Committee Meeting July 23, 2012

ISSUE STATEMENT

A resolution accepting a proposal from Pioneer Construction Inc. for the masonry work-placement of the concrete block and cultured stone in an amount not to exceed \$14.133.36 for the City's Entrance Signs.

BACKGROUND/HISTORY

The 2012-13 Budget calls out for the removal and replacement of the City Entrance Monument Signs located within DuPage County right of ways. The masonry work would include the installation of the concrete blocks and cultured stone. The vendor will also be combining efforts to install the pier caps and the monument signs. The vendor would be responsible for providing the labor and equipment to complete the work at the following locations:

- 1. 75th Street west of Sawmill Creek (fronting Hinsdale South High School-Westbound
- 2. Cass Avenue 6800 Block-Southbound
- 3. Cass Avenue North Frontage Rd (Hinswood Dr)-Northbound
- 4. Lemont Road North Frontage Rd/Cheese Rd and Lemont Rd-Northbound
- 5. Plainfield/83rd Street East of Woodward Ave-Darien/Woodridge jurisdiction
- 6. 87th Street-(Boughton Rd) and Ailsworth Drive-Eastbound
- 7. Plainfield Road Fronting Crest Basin-Westbound
- 8. 75th Street east of Lemont Road-Westbound

Competitive quotes were requested, and staff received four (4) competitive quotes, attached as Attachment A. Staff requested options for pricing to complete the masonry task for up to 5 signs. Since the overall pricing for the monument signs was under the proposed budget cost, the masonry task was increased to complete all 8 signs. The lowest competitive total cost quote was provided by Pioneer Construction Inc. See Attachment 2 for the Cost Summary as presented in taupe (A62 – A78) for Pioneer Construction.

The proposed expenditure would be from the following account:

ACCOUNT NUMBER	ACCOUNT DESCRIPTION	FY 12-13 BUDGET	YEAR TO DATE TO BE EXPENDED	PROPOSED EXPENDITURE	PROPOSED BALANCE
25-35-4815	Welcome Sign Replacements May 7,2012	\$ 108,000.00	\$ 0	\$ 18,000.00	\$ 90,000.00
25-35-4815	Concrete Footing and Walls	N/A	\$ 18,000.00	\$ 15,050.00	\$ 74,950.00
25-35-4815	Concrete Blocks	N/A	\$ 33,050.00	\$ 1,265.90	\$ 73,684.10
25-35-4815	Cultured Stone	N/A	\$ 34,315.90	\$ 11,650.00	\$ 62,034.10
25-35-4815	Pier Caps	N/A	\$ 45,965.90	\$ 5,200.00	\$ 56,834.10

2012 Masonry Services-Monument Signs July 23, 2012 Page 2

					-
25-35-4815	Masonry	N/A	\$ 51,165.90	\$ 14,133.36	\$ 42,700.74

STAFF RECOMMENDATION

Staff recommends approval of the resolution accepting a proposal from Pioneer Construction Inc. for the masonry work-placement of the concrete block and cultured stone in an amount not to exceed \$14,133.36 for the City's Entrance Signs.

ALTERNATE CONSIDERATION

As directed by the Municipal Services Committee.

DECISION MODE

This item will be placed on the August 6, 2012 City Council agenda for formal approval.

CITY OF DARIEN PUBLIC WORKS 1702 PLAINFIELD ROAD DARIEN, IL 60561

SEALED BID: 2012 Monument Signs - Masonry Work

OPENING DATE/TIME: June 26, 2012 @ 11:00 a.m.

			Pioneer Construction	Const	ruction	Gilkersor	Gilkerson Masonry	Pro Masonry Express Inc	xpress Inc	George A. Tichacek	Tichacek
•										Masonry, Inc.	y, Inc.
											To the second se
Option	Option DESCRIPTION	Unit	Unit Cost			Unit Cost		Unit Cost		Unit Cost	
1	Construction of 8 Piers for 4 Signs	4	8 1,750.00	8 0	7,000.00	\$ 5,055.00	7,000.00 \$ 5,055.00 \$ 20,220.00 \$ 1,935.00 \$ 7,740.00 \$ 3,125.00 \$ 12,500.00	\$ 1,935.00	\$ 7,740.00	\$ 3,125.00	\$ 12,500.00
2	Construction of 10 Piers for 5 Signs	5	8 1,760.00	\$ 0	8,800.00	\$ 5,798.00	\$ 28,990.00	\$ 1,860.00	\$ 1,860.00 \$ 9,300.00 \$ 3,100.00 \$ 15,500.00	\$ 3,100.00	\$ 15,500.00
£	Construction of 12 Piers for 6 Signs	9	\$ 1,766.67	\$	10,600.00	\$ 5,057.50	10,600.00 \$ 5,057.50 \$ 30,345.00 \$ 1,810.00 \$ 10,860.00 \$ 3,083.33 \$ 18,500.00	\$ 1,810.00	\$ 10,860.00	\$ 3,083.33	\$ 18,500.00
	Total			50	26,400.00		\$ 79,555.00		\$ 27,900.00		\$ 46,500.00

ENTRANCE WAY SIGNS-PROJECT COST ALLOCATIONS

	•												
A1	DESCRIPTION Concrete Footing and Walls	Labor, material for	ming of facting and	walls	i								
_	Control of the contro		Presta										·
A2		Awarded Vendor	Construction Inc		Cost Per	Cost for No of	Cost for No of	Cost for No of	Cost for No of	Cost for Na of	Cost for No of	Cost for No of	Proposed
A3		No of Signs	Units I	er Sign	Sign	Signs	Signs	5igns	Signs	Signs	Signs	Signs	Expenditure
A4	-		t t			2	3	-4	5	6	7	- 8	
A5 A6	Option No 3-A		No of Units	Unit Cost									
A7	10-Foot Widths Option No 4-A	3		\$ 1,850.00	\$ 1,850.00		\$ 5,550,00						\$ 5,550.00
	11-Foot Widths	5	5	\$ 1,900.00	S 1,900.00				\$ 9,500.00				\$ 9,500,90
_										<u> </u>			3,500,000
	,		LaGrange										
A10	Concrete Block	Awarded Vendor	Materials	-	Cost Per	Cost for No.sf	Cost for No of	Cost for No of	Cost for No of	Fost for No of	Cost for No.of	Cost for No of	Proposed
A11		В	Units Per Sign	Unit Cost	Sign	Signs	Signs	Signs	Signs	Signs	Signs	Signa	Expenditure
A12 A13	Option No 1					2	3	4	5	- 6	7	8	
V11	Hollow Block	510	105,00	\$ 1,55980	S 163,78				S 795.50				
	Option No 2 Hollow Block	633	105,00	S 1.55980	S 163.78					S 987.35			
A17	Option No 3									3 20,000			
	Hollow Block Option No 4	739	105.00	S 1.55980	\$ 163,78				<u> </u>		\$ 1,152,69		*****
	Hollow Block	B50	105.00	\$ 1.48929	S 156.38							\$ 1,265,90	\$ 1,265.90
	Option No 5 Solid Block	510	105.00	S 2.43215	\$ 255,38				5 1,240,40				
	Option No 6 Solid Block		107.00										
A25	Option No 7	633	105.00			<u></u>				\$ 1,539.55			
	Solid Block Option No 8	739	105.00	\$ 2.43215	\$ 255.3R						S 1,797.36		
	Solid Block	B50	105.00	\$ 2.34047	\$ 245.75				<u> </u>	<u></u>		5 1,989,40	
A7II	Cultured Stone	Shale Pro Fit Ledg	estone FF2016	1					-				
	Carrier Storie		Les Moore & Co.	1									
A30		Awarded Vendor	TTC		Cost Per	Cost for No of	Cast for No of	Cost for No of	Cost for No of	Cost for No of	Cort for Va of	Cart for No of	Honored
A31		No of Signs		er Sign	Sign	Signs	Sinns	Signs	Signs	Signs	Signs	Signs	Proposed Expenditure
A32 A33	Ontion No 1		Sq Ft Flats 105	Corners Lincal Ft 52.75		2	3	4	5	66	7	8	
	420 Sq. Ft. of Flats; 211		1 - 3	14 . 14 14 14 14 14	53.0				10000	- 1.		1.5	7 (0.1 %)
AJ4	Lineal feet of corners, mortar Banding Agent	4	420	211,00	\$ 1,508.00			\$ 6,032,00					
A35	Option No 2		106	52.75									
	530 Sq. Ft. of Flatz; 264 Lineal feet of corners, mortar		1.43										1.00
	Honding Agent	5	.530	254	S 1,501.00				S 7,505.00		1 1 1		
A3/	Option No 3 635 Sq. Ft. of Flats; 317 Lineal		106	52,75									
ATR	fect of corners, mortar Banding Agent	6	635	317	\$ 1,483.33						1 N		*.
	Option No 4		106	52.75	3 1,483_33					\$ 8,900.00			
	742 Sq. Ft. of Flors; 369 Lineal feet of corners, morrar						1.7.1						
	Bonding Agent	7	742	359	S 1,460.71						\$ 10,225.00		
Atl	Option No.5 848 Sq. Ft. of Fints, 422 Lincol		106	51.75				1 114					
١	feet of corners, mortar							100			41.		
A4Z	Bonding Agent	<u>B</u>	848	422	\$ 1,456.25		-		 		<u> </u>	\$ 11,650.00	S 11,650,00
A43	Pier Caps	36-inch Square Pic								_			
V11		Awarded Vendor	Pro Masonry Express]									
A45		No of Signs	linin t	er Sign	Cost Per		Cost for No of		Cost for No of				Proposed
A45		NOOI SIELS	2		Sign	Signs 2	Signs 3	Signs 4	5 igns	Signs 6	Signs 7	Signs 8	Expenditure
A47	Option 4		No of Units	Unit Cost						- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1			
A49	36-inch Square Pier	2	- 1	\$ 325,00	\$ 650.00	S 1,300,00							
	Option 5 36-inch Square Pier	3	6	\$ 325.00	S 650.00		\$ 1,950.00						
A52	Option 6						1,530.00						
A54	36-inch Square Pier Option 7	4		\$ 325.00	\$ 650,00		7.7	\$ 2,600,00	· · · · · · · · · · · · · · · · · · ·	44.7			
A55	36-inch Square Pier	5	10	5 325,00	\$ 650.00			1.7 3.15 1.7	\$ 3,250.00				
	Option 8 36-Inch Square Pier	6	12	\$ 325.00	\$ 650.00	ļ		<u> </u>	 	\$ 3,900,00			
A5B	Option 9									3,200,00		14 5 2 5 7	
					\$ 650,00	1 4 1 2	□ 13 13 15 □	l			\$ 4,550,00	I	
	36-inch Square Pier Option 10	7	14	\$ 325.00		1		4.0	1 '	1			
		7 8		5 325,00 5 325,00						<u> </u>		\$ 5,200.00	S 5,200.00
A61	Option 10		16									\$ 5,200.00	S 5,200.00
A61 A62	Option 10 36-inch Square Pier	Enstallation of Blo	ck and Stone Pinneer									\$ 5,200.00	S 5,200.00
A61 A62 A63	Option 10 36-inch Square Pier Masonry Work	Enstallation of Blo Awarded Vendor	ck and Stone Pinneer Construction	\$ 325,00		Cost for No of	Cost for No of	Cost for No of	Cost for No of	Cost for No of	Cost for No nf	\$ 5,200.00 Cost for No of	
A61 A62 A63	Option 10 36-inch Square Pier Massaary Work	Enstallation of Blo	ck and Stone Pinneer Construction		\$ 650.00	Cost for No of Signs		Signs	Signs	Signs	Signs	Cost for No of Signs	
A61 A63 A64 A65 A66	Option 10 36-inch Square Pier Masonry Work	Enstallation of Blo Awarded Vendor	ck and Stone Pinneer Construction	\$ 325,00	\$ 650.00 Cost Per	Cost for No of	Cost for No of Signs					Cost for No of	Proposed
A61 A62 A63 A64 A65 A66 A67	Option 10 36-inch Square Pier Masoury Work Option No 1	B Installation of Blo Awarded Vendor No of Signs	ck and Stone Pioneer Construction Units 1 No of Units	Per Sign	\$ 650.00	Cost for No of Signs 2		Signs 4	Signs 3	Signs	Signs	Cost for No of Signs	Proposed
A61 A62 A63 A64 A65 A66 A57 A68 A69	Option No 1 Foundation and Piers Option No 1 Foundation and Piers Option No 2	B Installation of Blo Awarded Vendor No of Signs	Land Stone Pinneer Construction Units 1 No of Units	rer Sign Unit Cost \$ 1,750,00	Cost Per Sign	Cest for No of Signs 2		Signs	Signs 5	Signs fi	Signs	Cost for No of Signs	Proposed
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A61 A62 A63 A64 A65 A66 A67 A68 A69 A70 A71	Option No 1 Foundation and Piers Option No 2 Foundation and Piers Option No 2 Foundation and Piers Option No 3 Foundation and Piers Option No 3 Foundation and Piers	B Installation of Blo Awarded Vendor No of Signs	16 ck and Stone Pinnear Construction Units 1 No of Units 4	S 325,00 Per Sign Unit Cest \$ 1,750,00 \$ 1,760,00	Cost Per Sign	Cost for No of Signs 2		Signs 4	Signs 5	Signs 6	Signs 7	Cost for No of Signs	Proposed
A61 A62 A63 A64 A65 A66 A67 A68 A69 A70 A71 A72 A73	Option II 36-inch Square Pier Masonry Work Option No 1 Foundation and Piers Option No 2 Foundation and Piers Option No 3 Foundation and Piers Option No 4	B Installation of Blo Awarded Vendor No of Signs 4 5	16 ck and Stone Pioneer Construction Units 1 No of Units 4	er Sign Unit Cost \$ 1,750.00 \$ 1,760.50 \$ 1,766.67	Cost Per Sign \$ 1,750.00 \$ 1,766.67	Cost for No of Signs 2		Signs 4	Signs 5	Signs fi	Signs 7	Cost for No of Signs	Proposed
A61 A62 A63 A64 A65 A66 A67 A68 A69 A71 A72 A73 A74 A75	Option 10 36-inch Square Pier Masoury Work Option No 1 Foundation and Piers Option No 2 Foundation and Piers Option No 3 Foundation and Piers Option No 4 Foundation and Piers Option No 4 Foundation and Piers Option No 5	B Installation of Blo Awarded Vendor No of Signs 4 5 6	16 ck and Stone Pioneer Construction Units 1 No of Units 4 5 6	Cer Sign Unit Cost \$ 1,750.00 \$ 1,766.67 \$ 1,766.67	\$ 659.00 Cost Per Sign \$ 1,750.00 \$ 1,766.67	Cost for No of Sixus		Signs 4	Signs 5	Signs 6	Signs 7	Cost for No of Signs	Proposed
A61 A62 A63 A64 A65 A66 A67 A68 A69 A71 A72 A73 A74 A75	Option 10 36-inch Square Pier Masonry Work Masonry Work Option No 1 Foundation and Piers Option No 2 Foundation and Piers Option No 3 Foundation and Piers Option No 4 Foundation and Piers Option No 5 Foundation and Piers Option No 5 Foundation and Piers Option No 5 Foundation and Piers Option No 5 Foundation and Piers Option No 5 Foundation and Piers	B Installation of Blo Awarded Vendor No of Signs 4 5	16 ck and Stone Pioneer Construction Units 1 No of Units 4 5 6	Cer Sign Unit Cost \$ 1,750.00 \$ 1,766.67 \$ 1,766.67	Cost Per Sign \$ 1,750.00 \$ 1,766.67	Cost for No of Sixus		Signs 4	Signs 5	Signs 6	Signs 7	Cost for No of Signs	Proposed Expenditure

A79	Monument Signs	Signs	. 4550A3050A449	1						·	,		
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	And a decide the call of a	CHARLES TO SERVE	1000 A 500	APPROXIMATELY	Cost Per	Cost for No of		Cost for No of	Cost for No of	Cost for No of		Cost for No of	Proposed
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A84	Option No 2	energe de de la constant de la const	184229434594340	16 (2000) 10 A (2000)	73,540,404.3	SERVICE	34,539,000		1999/1994/99	स्तिक्षां क्षत्र वस्	4547420449	11075/162705/200	entrate attache
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	Option No 3	Ngas (deservation)	\$4000000000000000000000000000000000000	s demonstration	Antest Herita	30(4)(49)(49)	Es pessoa Principal	क्षा ने विश्ववेद्यालय है हैं	Adjust subfictive	4448-500000000000	在现在的时间的	WEST STREET	affertsekelenstekele
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A90		No of Signs	Units	Per Sign	Sinn	Sinns	Signs	Signs	Signs	Sims	Sinns	Signs	Expenditure
A91			H 134, 544 (4)	40 10 10 10 10 10		2	3	.4	5	6	7	8	***************************************
A92	Carrier Services	20.00	Na of Units	Unit Cost	1111111	1 1 1 1 7 7 7 7	7,1 × 3× 5×		110000		44 74 44 44 74		
A93	Option No 1	1811 H 4 K 4 DV		H-12-1-1-1	1 2 2 1 2 1 2	1.3.7.4.7.5		A LONG SERVICE		-	50 F.Sarak V		
	Landsaring		4	\$ 2,000.00	\$ 2,000,00	1.6.71		\$ 8,000.00			3 77 2 3		
	Option No 2			2,00,00				3 1,000.00					
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\103 \104 \105 \106 \107 \108 \109 \110	Landscaping Contingency Steel-Exenyntion-Concrete Option No 1 Contingency Option No 2 Contingency Contingency	No of Signs 4	Units 1 No of Units 4	Per Sign Unit Cost \$ 1,100.00	Cost Per Sign \$ 1,100.00	Cost for No of Signs 2	Cost for No of Signs	Cost for No of Signs 4	Cost for No of Signs 5	Cost for No of Signs	Cost for No of Signs	Cast for No of Signs	Proposed
\103 \104 \105 \106 \107 \108 \109 \110 \111	Landscaping Contingency Steel-Exemption-Concrete Option No 1 Contingency Option No 2 Contingency Contingency Contingency Contingency	No of Signs	Units 1 No of Units 4	Per Sign Unit Cost \$ 1,100.00	Cost Per Sign	Cost for No of Signs 2	Cost for No of Signs	Cost for No of Signs 4	Cost for No of Signs 5	Cost for No of Signs	Cost for No of Signs	Cast for No of Signs	Proposed
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RESOL	UTION	NO	
		110.	

A RESOLUTION ACCEPTING A PIONEER CONSTRUCTION INC FOR THE MASONRY WORK-PLACEMENT OF THE CONCRETE BLOCK AND CULTURED STONE, IN AN AMOUNT NOT TO EXCEED \$14,133.36 FOR THE CITY'S ENTRANCE SIGNS

BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF DARIEN, DU PAGE COUNTY, ILLINOIS, as follows:

SECTION 1: The City Council of the City of Darien does hereby accept a proposal from Pioneer Construction Inc. for the masonry work-placement of the concrete block and cultured stone, in an amount not to exceed \$14,133.36 for the City's Entrance Signs, a copy of which is attached hereto as "Exhibit A" and is by this reference expressly incorporated herein.

SECTION 2: This Resolution shall be in full force and effect from and after its passage and approval as provided by law.

PASSED BY THE CITY COUNCIL OF THE CITY OF DARIEN, DU PAGE
COUNTY, ILLINOIS, this 6th day of August 2012.

AYES:

NAYS:

ABSENT:

APPROVED BY THE MAYOR OF THE CITY OF DARIEN, DU PAGE COUNTY,
ILLINOIS, this 6th day of August 2012.

KATHLEEN MOESLE WEAVER, MAYOR

ATTEST:	
JOANNE E. RAGONA, CITY CLERK	
APPROVED AS TO FORM:	
CITY ATTORNEY	

THIS FORM MUST BE COMPLETED AND RETURNED TO 1702 PLAINFIELD ROAD BY NO LATER THAN JUNE 26, 2012 – 11 A.M. ATTN: PUBLIC WORKS QUESTIONS MAY BE DIRECTED TO MUNICIPAL SERVICES AT 630-353-8106

Submitted by: <u>EDWARD</u> SZARAWSKI
Vendor Name: PIONEEN CONSTRUCTION INC.
Address: 968 STONEHEDGE LO PAL IL
Date: 6-25-12
Phone #: 847-542-8382 Fax #: 847-705-5582
E-mail Address: PLONEEN CONSTRUCTION MX @ YAHOO, COM
Authorized Signature: Skl h. C
Option No. 1 - Construction of 8 Piers for 4 sign locations
Quote Amount: \$ 7,000 00
Quote Amount in Writing: SEVEN THOUSAND DOLLA-ILS
Option No. 2 - Construction of 10 Piers for 5 sign locations
Quote Amount: \$ 8.80000
Quote Amount in Writing: EleHT THOUSAND FIGHT
HUNDAED DOLLARS,
Option No. 3 - Construction of 12 Piers for 6 sign locations
Quote Amount: \$ 10,600 00
Quote Amount in Writing: TEN THOUSAND SIX HOUDGED
DOLLARS,

Masonry Work

The vendor shall provide three references with phone numbers below and provide documentation that the vendor has been a mason for a minimal of 10 years:

- 1. WALTER DANIELS CONST. 773-775-0170 2. HAGGE CONSTRUCTION 630-904-4200
- 3. CARLSON BROTHERS BUILDERS 773-237-2269

Acceptance of Quote:		
Ву:	Date:	
City of Darien		
Authorized and Accepted:		
Ву:		
Title:		
Date:		

AGENDA MEMO

Municipal Services Committee Meeting July 23, 2012

ISSUE STATEMENT

A resolution accepting a proposal from Meno Stone Company for the City's stone monument signs in an amount not to exceed \$15,000 for the City's Entrance Signs.

BACKGROUND/HISTORY

The 2012-13 Budget calls out for the removal and replacement of the City's Entrance Monument Signs located within DuPage County right of ways. The pre-cast stone monuments will be set and secured between the pillars. Attached and labeled as Attachment 1 please find the detail for the sign. The City staff and the mason will be setting the monument signs. The purchase would allow the City to purchase 8 monument signs (5 signs at a width of 6-foot and 3 signs at a width of 5-foot) for the following locations:

- 1. 75th Street west of Sawmill Creek (fronting Hinsdale South High School-Westbound
- 2. Cass Avenue 6800 Block-Southbound
- 3. Cass Avenue North Frontage Rd (Hinswood Dr)-Northbound
- 4. Lemont Road North Frontage Rd/Cheese Rd and Lemont Rd-Northbound
- 5. Plainfield/83rd Street East of Woodward Ave-Darien/Woodridge jurisdiction
- 6. 87th Street-(Boughton Rd) and Ailsworth Drive-Eastbound
- 7. Plainfield Road Fronting Crest Basin-Westbound
- 8. 75th Street east of Lemont Road-Westbound

Competitive quotes were requested, and staff received one quote, attached as Attachment A. Staff had contacted the invited competitors and inquired why they did not provide a quote. Responses ranged from that they would be utilizing Meno Stone as their supplier and others replied that the signs were too large for them to handle. Staff requested options for pricing for various sizes. Since the overall pricing for the monument signs was under the proposed budget cost, materials were increased to complete all 8 signs and based on the unit price cost as presented in Attachment 2 for the Cost Summary as presented in blue (A79 – A87) for Meno Stone Company.

The proposed expenditure would be from the following account:

ACCOUNT NUMBER	ACCOUNT DESCRIPTION	FY 12-13 BUDGET	YEAR TO DATE TO BE EXPENDED	PROPOSED EXPENDITURE	PROPOSED BALANCE
25-35-4815	Welcome Sign Replacements May 7,2012	\$ 108,000.00	\$ 0	\$ 18,000.00	\$ 90,000.00
25-35-4815	Concrete Footing and Walls	N/A	\$ 18,000.00	\$ 15,050.00	\$ 74,950.00
25-35-4815	Concrete Blocks	N/A	\$ 33,050.00	\$ 1,265.90	\$ 73,684.10
25-35-4815	Cultured Stone	N/A	\$ 34,315.90	\$ 11,650.00	\$ 62,034.10

25-35-4815	Pier Caps	N/A	\$ 45,965.90	\$ 5,200.00	\$ 56,834.10
25-35-4815	Masonry	N/A	\$ 51,165.90	\$ 14,133.36	\$ 42,700.74
25-35-4815	Precast Masonry Signs	N/A	\$ 65,299.26	\$ 15,000.00	\$ 27,700.74

STAFF RECOMMENDATION

The staff recommends a resolution accepting a proposal from Meno Stone Company for the City's stone monument signs in an amount not to exceed \$15,000 for the City's Entrance Signs.

ALTERNATE CONSIDERATION

As directed by the Municipal Services Committee.

DECISION MODE

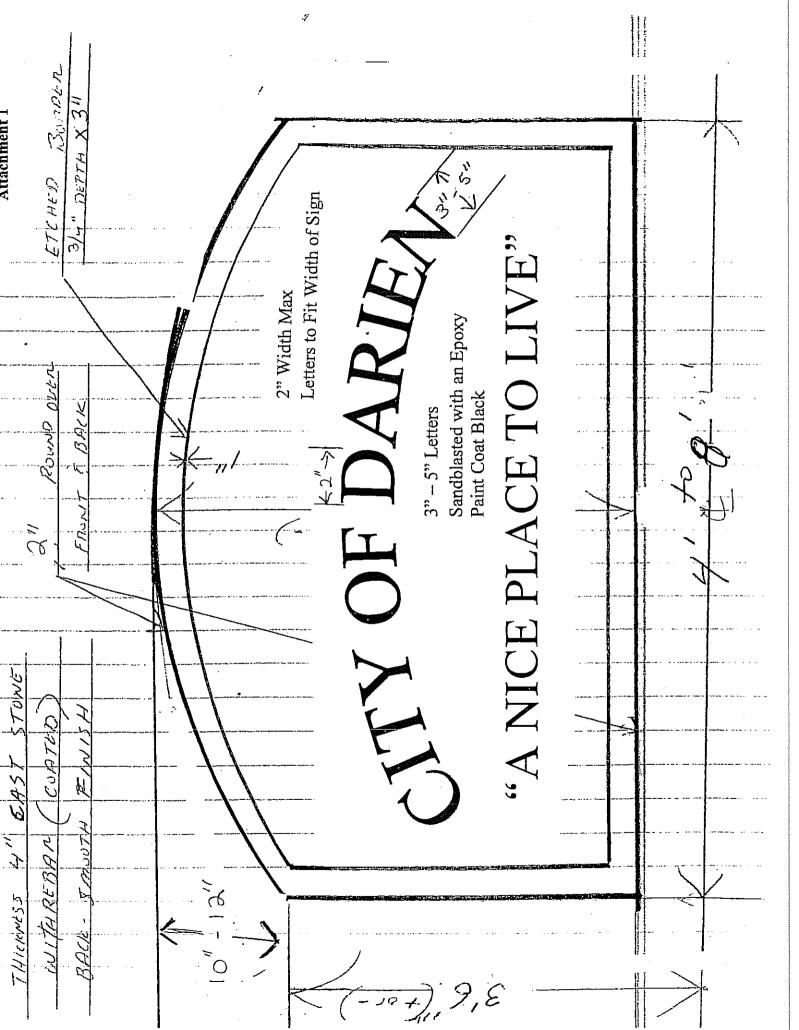
This item will be placed on the August 6, 2012 City Council agenda for formal approval.

CITY OF DARIEN PUBLIC WORKS 1702 PLAINFIELD ROAD DARIEN, IL 60561

SEALED BID: 2012 Monument Signs

OPENING DATE/TIME: June 26, 2012 @ 11:00 a.m.

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ENTRANCE WAY SIGNS-PROJECT COST ALLOCATIONS

	DESCRIPTION	Labor material Go											
	Concrete Footing and Walls		Presta	i wans								_	
A2	····	Awarded Vendor	Construction Inc.		Cost Per	Cost for No of	Cost for No of	Cost for No of	Cost for No of	Cast for No of	Cost for No of	Cost for No of	Proposed
A3		No of Signs	Units P	er Sign	Sign	Signs	Signs	Signs	Signs	Signs	Signs	Signs	Expenditure
A4 A5			No of Units	Unit Cost		2	3	4	5	6	7	8	
A6	Option No 3-A												
	10-Foot Widths Option Na 4-A	3	3	\$ 1,850,00	\$ 1,850,00		\$ 5,550,00						\$ 5,550,00
ΑŪ	11-Foot Widths	5	5	\$ 1,900.00	\$ 1,900,00				\$ 9,500.00				\$ 9,500.00
			LaGrange						!		I4		
A10	Concrete Block	Awarded Vendor	Materials		Cost Per	Cost for No of	Cost for Na of	Cost for No of	Cost for No of	Cost for No of	Cast for No of	Cost for No of	Proposed
AII		D	Units Per Sign	Unit Cost	Sign	Signs	Signs	Signs	Signs	Signs	5igns	Signs	Expenditure
A12 A13	Option No I				·	2	3	4	5	6	7	В	
	Hollow Block Option No 2	510	105,00	\$ 1,55980	\$ 163,78				\$ 795,50				
A16	Hollow Block	633	105,00	S 1.55980	\$ 163,78					\$ 987,15			
A18	Option No 3 Hollow Block	739	105,00	\$ 1.55980	S 163.78						\$ 1,152,69		
	Option No 4 Hollow Block	850	105,00	\$ 1,48929	\$ 156.38			3 Ta 3 A A				\$ 1,265.90	S 1,265,90
A21	Option No 5 Solid Block	510	105.00	\$ 2,43215	\$ 255.38				\$ 1,240.40				
A23	Option No 6								3 1,240.40				
A25	Solid Block Option No 7	633	105.00	S 2.43215	\$ 255.38	2.2	7, 7, 7, 7, 7, 7, 7, 7, 7, 7, 7, 7, 7, 7	7.7441.5	1 22	\$ 1,539.55	1 1 2 2 3		
A25	Solid Block Option No 8	739	105,00	\$ 2,43215	S 255.3H			1 1 1			\$ 1,797,36	~	
	Salid Block	H50	105.00	S 2.34047	\$ 245.75						4.15	\$ 1,989,40	
A29	Cultured Stone	Shale Pro Fit Ledg											
A30		Awarded Vendor	Les Moore & Co. LLC										
A31		No of Signs		er Sign	Cost Per Sign	Cast for No of Signs	Cost for No of Signs	Cost for No of Signs	Cost for No of Signs	Cost for No of Signs	Cost for No of Signs	Cost for No of Signs	Proposed Expenditure
A32		THE OT LIGHT	Sq Ft Flats	Corners Lineal Fi		2	3	4	5	6	7	8	
LL	Option No 1 420 Sq. Ft. of Flats; 211		105	52,75								61.7	
AJ4	Lineal feet of corners, mortar Bonding Agent		420	211.00	\$ 1,508,00			\$ 6,032,00					
	Option No 2		106	52.75									
	530 Sq. Ft. of Flats; 264 Lineal feet of corners, mortar			13.5									
A37	Bonding Agent Option No 3	5	530 106	264 52.75	\$ 1,501.00				S 7,505.00				
	635 Sq. Ft. of Flats; 317 Lincal feet of corners, montar		75.5		10 10 10				17.3				
ALA	Banding Acent	6	635 106	317 52.75	\$ 1,483.33			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		\$ 9,900,00		72.4	1, 1, 1,
\Box	Option No 4 742 Sq. Ft. of Flats; 369 Lineal		100	32.13									
	feet of comers, mortar Bonding Agent	7	742	369	\$ 1,460,71						S 10.225.00	1,14,111	
A4I	Option No 5 848 So. Ft. of Flats: 422 Lineal		106	52.75				11/2/14					
	feet of comers, mortar		N.D		\$ 1,456.25								
	Bonding Agent	яя	B48	422	3 1,450.25						<u>. </u>	\$ 11,650.00	\$ 11,650,00
A43	Pler Caps	36-inch Square Pi	Pro Mosonry	-									
A44		Awarded Vendor	Express	<u> </u>	Cost Per	Cost for No of	Cost for No of	Cost for No of	Cost for No of	Cost for No of	Cost for No of	Cost for No of	Proposed
A45		No of Signs	Units 1	Per Sign	Sign	5ígns	Signs	Signs	Signs	5igns	Signs	Signs	Expenditure
A46 A47			No of Units	Unit Cost			3	4	5	6	7	В	
	Option 4 36-inch Square Pier	2		\$ 325.00	\$ 650.00	\$ 1,300,00					<u> </u>	3.1	
A50	Option 5 36-Inch Square Pier	3		\$ 325.00	·		\$ 1,950.00						
A51	Option 6						- 1-300.00			 			
A54	36-incli Square Pier Option 7	. 4		\$ 325.00				\$ 2,600.00					
A55	36-inch Square Pier Option 8	5	· 10	S 325.00	S 650.00	<u> </u>	-	-	\$ 3,250.00		1	1	
A57	36-inch Square Pier	6	12	\$ 325,00	\$ 650,00	<u> </u>			ļ	\$ 3,900,00	<u> </u>		
A59	Option 9 36-inch Square Pier	7	14	\$ 325.00	\$ 650.00						\$ 4,550.D0		
A60	Option 10 36-inch Square Pier	В	16	\$ 325.00	S 650.00			<u> </u>	<u> </u>		<u> </u>	5 5,200.00	S 5,200.00
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A63		Awarded Vendor	Construction	<u>I. A. Artha</u> Granda Nobel	Cost Per						Cost for No of		
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85 5-Fi 86 Opt 87 6-Fi 88 Lar 89		Awarded Vendor No of Signs 3	Meno Stone Units No of Units	Per Sign L Unit Cost 3 \$ 1,700	Cost Per Sign	Cost for No of Signs	Cost for No of Signs 3	Cost for No of Signs	Signs	Signs	Cost for No of Signs	Cost for No of Signs	Proposed Expenditure
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RESOI	UTION	NO.	
		1101	

A RESOLUTION ACCEPTING A PROPOSAL FROM MENO STONE COMPANY FOR THE CITY'S TONE MONUMENT SIGNS IN AMOUNT NOT TO EXCEED \$15,000.00 FOR THE CITY'S ENTRANCE SIGNS

BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF DARIEN, DU PAGE COUNTY, ILLINOIS, as follows:

SECTION 1: The City Council of the City of Darien does hereby accept a proposal from Meno Stone Company for the City's tone monument signs in an amount not to exceed \$15,000.00 for the City's Entrance Signs, a copy of which is attached hereto as "Exhibit A" and is by this reference expressly incorporated herein.

SECTION 2: This Resolution shall be in full force and effect from and after its passage and approval as provided by law.

PASSED BY THE CITY COUNCIL OF THE CITY OF DARIEN, DU PAGE

COUNTY, ILLINOIS, this b day of Augus	1 2012.
AYES:	
NAYS:	
ABSENT:	
APPROVED BY THE MAYOR OF TH	HE CITY OF DARIEN, DU PAGE COUNTY,
ILLINOIS, this 6 th day of August 2012.	
	KATHLEEN MOESLE WEAVER, MAYOR
ATTEST:	
JOANNE E. RAGONA, CITY CLERK	
APPROVED AS TO FORM:	
CITY ATTORNEY	

Exhibit A

MENO STONE CO., INC.

BUILDING STONE & STRUCTURAL STEEL FABRICATOR

10800 Route 83 (Rt. 83 & 111th St.) Lemont, IL 60489

Phone: (630) 257-9220 - Fax: (630) 257-7612



Sold to OF TISTURE		· · · · · · · · · · · · · · · · · · ·	•	100 No	<u>ے میں الاسال</u>	W-1.2-1
Address (630) 353-8106/Fmx(630)852.	4709		Ordered by _	Dar	/
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Belivor to 1702 PUNHEUD	1217.	NUMEN		Date of Delive	ory <u>A</u> - (owes.
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					(Pax	5 tempi)
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Seller does not warrant goods furnished hereund results obtained by use of goods whether singley	fer to be fit for a	ry particular n	urpose, and bu	.yar shall asse	ne all risks de	l liability for

AGENDA MEMO

Municipal Services Committee Meeting July 23, 2012

ISSUE STATEMENT

A resolution accepting a proposal from Schramm Landscaping Inc. to supply selected plant species, planting and mulching for the landscaping in an amount not to exceed \$16,000.00 for the City's Entrance Signs.

BACKGROUND/HISTORY

The 2012-13 Budget calls out for the removal and replacement of the City Entrance Monument Signs located within DuPage County right of ways. The landscaping consists of the vendor to provide various plant species, planting and mulching of 15-foot radius at each sign location and as per the attachment labeled as Attachment 1. City staff would be responsible for the watering. The vendor would be responsible for providing the labor and material to complete the landscaping at the following locations:

- 1. 75th Street west of Sawmill Creek (fronting Hinsdale South High School-Westbound
- 2. Cass Avenue 6800 Block-Southbound
- 3. Cass Avenue North Frontage Rd (Hinswood Dr)-Northbound
- 4. Lemont Road North Frontage Rd/Cheese Rd and Lemont Rd-Northbound
- 5. Plainfield/83rd Street East of Woodward Ave-Darien/Woodridge jurisdiction
- 6. 87th Street-(Boughton Rd) and Ailsworth Drive-Eastbound
- 7. Plainfield Road Fronting Crest Basin-Westbound
- 8. 75th Street east of Lemont Road-Westbound

Competitive quotes were requested, and staff received four (4) competitive quotes, attached as Attachment A. Staff requested options for landscaping up to five (5) signs. Since the overall pricing for the monument signs was under the proposed budget costs, landscaping was increased to include all eight (8) signs. The lowest competitive total cost quote was provided by Schramm Landscaping Inc. References for the vendor was verified with satisfactory results. Please see Attachment 2 for the Cost Summary as presented in gray (A88 – A102) for Schramm Landscaping.

The proposed expenditure would be from the following account:

ACCOUNT NUMBER	ACCOUNT DESCRIPTION	FY 12-13 BUDGET	YEAR TO DATE TO BE EXPENDED	PROPOSED EXPENDITURE	PROPOSED BALANCE
25-35-4815	Welcome Sign Replacements May 7,2012	\$ 108,000.00	\$ 0	\$ 18,000.00	\$ 90,000.00
25-35-4815	Concrete Footing and Walls	N/A	\$ 18,000.00	\$ 15,050.00	\$ 74,250.00
25-35-4815	Concrete Blocks	N/A	\$ 33,050.00	\$ 1,265.90	\$ 73,684.10
25-35-4815	Cultured Stone	N/A	\$ 34,315.90	\$ 11,650.00	\$ 62,034.10

25-35-4815	Pier Caps	N/A	\$ 45,965.90	\$ 5,200.00	\$ 56,834.10
25-35-4815	Masonry	N/A	\$ 51,165.90	\$ 14,133.36	\$ 42,700.74
25-35-4815	Precast Masonry Signs	N/A	\$ 65,299.26	\$ 15,000.00	\$ 27,700.74
25-35-4815	Landscaping	N/A	\$ 80,299.26	\$ 16,000.00	\$ 11,700.74

STAFF RECOMMENDATION

The staff recommends accepting a proposal from Schramm Landscaping Inc. to supply selected plant species, planting and mulching for the landscaping in an amount not to exceed \$16,000.00 for the City's Entrance Signs.

ALTERNATE CONSIDERATION

As directed by the Municipal Services Committee.

DECISION MODE

This item will be placed on the August 6, 2012 City Council agenda for formal approval.

PLANT LIST:

6 HYDRANGEAS 'ANNABELLE' 8 BOXWOODS 'GREEN VELVET' 5 ROSES 'NEARLY WILD'

WHITE FLOWERS GREEN ALL YEAR PINK

PERENNIALS:

14 GRASS 'KARL FORESTER' 4-6'
9 SEDUM 'AUTUMN FIRE' 24" PI
12 BLACKEYED SUSANS 30-36" YE
14 DWARF DAISY 'SNOWCAP' 15- 18" W
14 DAYLILIES MINI STELLA 15" YE
14 PURPLE CONEFLOWERS 36" R(

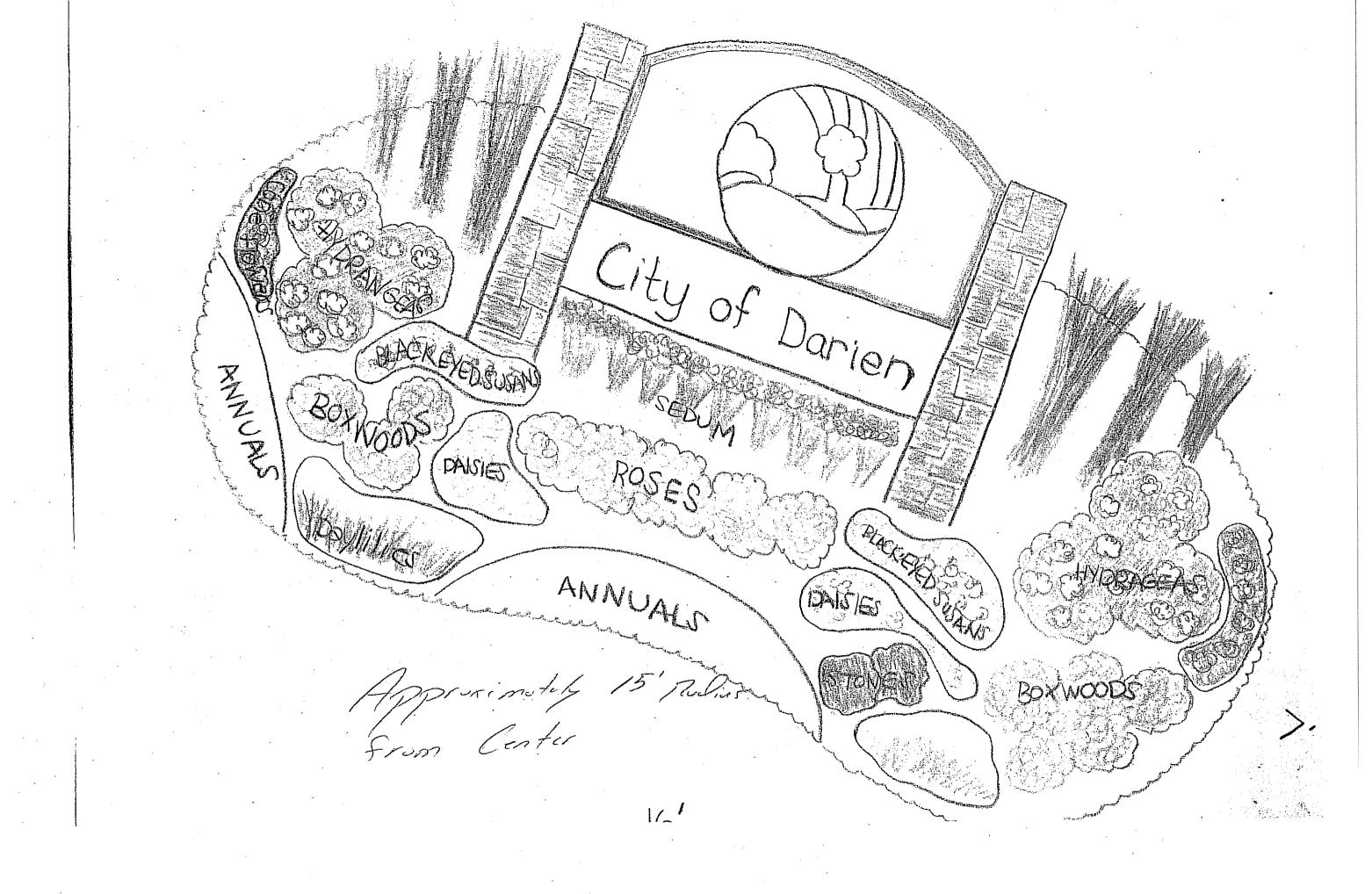
PINK TURNING BRONZE YELLOW WHITE YELLOW REBLOOMS ROSE-PURPLE

(SIDES AND BACK OF !
AUGUST - SEPTEMBER
JULY - SEPTEMBER
JUNE - AUGUST
JUNE - SEPTEMBER
JULY - SEPTEMBER

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CITY OF DARIEN WITH LOGO IN ARCHED MIDDLE SECTION MORTARED FLAGSTONE SMOOTH BRICKS FOR POSTS WIDTH OF SIGN: 8'- 15'
LOGO IN CEMENT WITH NICE EDGE

BRICK PILLARS 6' TALL PILLARS WIDTH 3' x 3' CAST STONE CAPS ON PILLARS



CITY OF DARIEN PUBLIC WORKS 1702 PLAINFIELD ROAD DARIEN, IL 60561

SEALED BID: 2012 Monument Signs - Landscaping

OPENING DATE/TIME: June 26, 2012 @ 11:00 a.m.

					_ 1		,	
Beary Landscaping			\$ 10,044.00	\$ 12,555.00	\$ 15,066.00	- \$		
Beary La								
andscape &	Supply Inc		\$ 13,187.00	\$ 16,483.75	\$ 19,780.50	- \$		
Country Landscape &	Supp							
Schramm Landscaping Fox Chase Landscaping Lt			\$ 13,672.00	\$ 16,740.00	\$ 19,808.00	1		
Fox Chase L								
Landscaping			\$ 8,000.00	\$ 10,000.00	\$ 12,000.00	ι \$		
Schramm								
 Y								
		Option DESCRIPTION	Landscaping for 4 signs	Landscaping for 5 signs	Landscaping for 6 signs			
		Option	1	2	3			

ENTRANCE WAY SIGNS-PROJECT COST ALLOCATIONS

	REFERRITION												
	DESCRIPTION Concrete Footing and Walls	Labor, material for	ming of footing and	walls									
A2		Awarded Vendor	Presta Construction Inc							1	l		
		Awained vehicle			Cost Per			Cast for No of			Cost for Nn nf		Proposed
А3		No of Signs	Units P	cr Sign	Sign	Signs	Sìgns	Signs	Signs	Signs	Signs	Signs	Expenditure
44			1			2	3	+		6	7	8	
A5 A6	Option No 3-A		No of Units	Unit Cost									
A7	10-Foot Widdle	3	3	\$ 1,650,00	\$ 1,850,00		\$ 5,550,00						S 5,550.0
	Option No 4-A 11-Foot Widths	5	5	\$ 1,900,00	\$ 1,900.00				\$ 9,500.00				\$ 9,500.0
	7												
			LaGrange										
A10	Concrete Block	Awanted Vendor	Materials		Contraction of	C C N C	C 6 15 F	C-46-56-56	Con Contract	Car Sin No of I	Cost for No of	Cont Cont No. of	
AII		В	Units Per Sign	Unit Cost	Cost Per Sign	Signs	Signs	Cost for No of Signs	Signs	Signs	Signs	Sign	Proposed Expenditure
A12						2	1	1	3	6	7	8	
	Option No 1 Hallow Block	510	105.00	\$ 1,55980	\$ 163.78				\$ 795.50				
A15	Option No 2												
	Hollow Block Option No 3	633	105.00	S 1.55980	\$ 163.78	<u> </u>		***************************************		\$ 987.35			
A18	Hallow Block	739	105.00	\$ 1.55980	\$ 163.78						\$ 1,157.69		
	Option No 4 Hollow Block	B50	105.00	\$ 1,48929	5 156.3H							\$ 1,265.90	S 1.265.5
A21	Option No 5												
	Solid Block Ontion No 6	510	105.00	S 2.43215	S 255.3B		<u> </u>		\$ 1,240,40				
A24	Solid Block	633	105.00	\$ 2,43215	\$ 255,38	ļ				S 1,539,55			
	Option No 7 Solid Block	739	105.00	\$ 2,43215	\$ 255.38			-			\$ 1,797,36		
A27	Option No 8										,,		
A28	Salid Block	850	105.00	S 2.34047	S 245.75		<u> </u>	I	<u> </u>	j		5 1,989,40	1
A29	Cultured 5100e	Shale Pro Fit Leds	estone PFR016										
A30		Awarded Vender	Les Moore & Co. LLC	1									
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	Option No 1		105	52,75									
	420 Sq. Ft. of Flats; 211 Lineal feet of corners, mortar		1 2 2 2 2		1 1 1 1 1								
A34	Bonding Agent	- 4	420	211.00	\$ 1,508.00			5 6,032.00					
	Option No 2 530 Sq. Ft. of Flats; 264 Lineal		106	52.75					 		11.5	1,110	1, 51, 50
	feet of corners, mortar												
	Bonding Agent Option No 3	5	530 106	264 52.75	\$ 1,501.00	 	<u> </u>		\$ 7,505,00	-		 	
	635 Sq. Ft. of Flats, 317 Lineal				1								
	fect of corners, mortar Bonding Agent	6	635	317	\$ 1,483.33					\$ 8,900.00			
A39	Option No 4		106	52.75	14.7 14.3								
	742 Sq. Ft. of Flats, 369 Lincol feet of corners, mortar				13 4 7 7								
A 40	Bonding Agent	7	742	369	\$ 1,460.71	<u> </u>					\$ 10,225.00		
	Option No 5 848 Sq. Ft. of Flats; 422 Lineal		106	52.75	 				F 5 1		- 1 N 1		
	feet of corners, mortar						1 1	4		1 11 11 11	I -		
A42						1					100		
	Bonding Agent	В	148	422	S 1,456.25			11.75				\$ 11,650.00	\$ 11,650.0
V13	Bondian Areat Pier Caps	B 36-inch Square Pi	a .	422	S 1,456.25							\$ 11,650.00	\$ 11,650.0
A43				422	S 1,456.25							\$ 11,650.00	\$ 11,650.
Λ44		36-inch Square Pi	Pro Masonry Express		Cost Per			Cost for No of			Cost for No of	Cost for No of	Proposed
	Pier Caps	36-inch Square Pi	Pre Masonry Express Units	422 Per Sign	i	Cost for No of Signs 2	Cost for No u	Cost for No of Signs	Cost for No of Signs	Cost for No of Signs	Cost for No of Signs 7		
A45 A46 A47	Pier Cans	36-inch Square Pi	Pre Masonry Express Units	Per Sign	Cost Per	Signs	Signs	Signs	Signs	Signs	Signs	Cost for No of Signs	Proposed
A45 A46 A47 A48	Pier Cana Coption 4	36-inch Square Pi	er Pro Masonry Express Units	Per Sign Unit Cost	Cost Per Sign	Signs 2	Signs 3	Signs	Signs	Signs	Signs	Cost for No of Signs	Proposed
A45 A46 A47 A48 A49 A50	Pier Cans Option 4 36-inch Spune Pier Option 5	36-inch Square Pi Awarded Vendor No of Signs	Pro Masonry Express Units No of Units	Per Sign Unit Cost \$ 325,00	Cost Per Sign	\$ 1,300,00	Signs 3	Signs 4	Signs	Signs	Signs	Cost for No of Signs	Proposed
A45 A46 A47 A48 A49 A50 A51	Pier Cans Option 4 36-inch Square Pier	36-inch Square Pi Awarded Vendor No of Signs	Pro Masonry Express Units No of Units	Per Sign Unit Cost \$ 325,00	Cost Per Sign	\$ 1,300,00	Signs 3	Signs 4	Signs	Signs	Signs	Cost for No of Signs	Proposed
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A45 A46 A47 A48 A50 A51 A53 A53 A54 A55 A56	Option 4 36-Inch Square Pier Option 5 36-Inch Square Pier Option 6 36-Inch Square Pier Option 7 36-Inch Square Pier Option 7	36-inch Square Pi Awarded Vendor No of Signs 2 3 4	Pro Masonry Pro Masonry Express Units No of Units 4 6 8	Per Sign Unit Cost \$ 325.00 \$ 325.00 \$ 325.00 \$ 325.00	Cost Per Sign \$ 650.00 \$ 650.00 \$ 650.00	Signs 2 5 1,300,00	Signs 3	Signs 4	Signs 5	Signs 6	Signs 7	Cost for No of Signs 8	Proposed
A45 A46 A47 A48 A50 A51 A52 A53 A54 A55 A56 A57 A58	Option 4 36-inch Square Pier Option 5 36-inch Square Pier Option 6 36-inch Square Pier Option 7 36-inch Square Pier Option 8 36-inch Square Pier Option 1 36-inch Square Pier Option 9 Option 9	36-inch Square Pi Awarded Vendor No of Signs 2 3	Pro Masonry Pro Masonry Express Units No of Units 4 6 8	Per Sign Unit Cost \$ 325.00 \$ 325.00 \$ 325.00 \$ 325.00	Cost Per Sign \$ 650.00 \$ 650.00 \$ 650.00	Signs 2 5 1,300,00	Signs 3	Signs 4	Signs 5	Signs 6	Signs 7	Cost for No of Signs 8	Proposed
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	6-Foot Width Monument Sign	90784669[Adibbbb.5	Permanasana	\$ 1,980.00	\$ 1,980.00	ta stroffee Higher	-360 p. 163 p. 165 p. 165 p.	+4-6103+48089-6-	\$ 9,900,00	uniceforce (ppf)	- इत्राम्भित्यकास्यार	parkanta (Again)	\$ 9,900.0
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A88	Landscaping		13 4 4 14 2								The second		Annual Contract
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A96	Landscaping	9755 2755 5	100	5 2,000.00	\$ 2,000.00	121 1 1 1 1 1 1 1	27 - 5 3 34 4 5	2 5 2 2 2 1 1 2	\$ 10,000.00		3.4474.733	100000000000000000000000000000000000000	t agrigad filosofie en en en en
A97	Option No 3	1,000,000,000,000	28.5 (4) (4.6.5)	A THE SHAREST	34,5 65, 33	tion of the sec	H1 N/A 1 4 A 5 A 5 A	and the factorial	10,10,10,010,0	31 345 31 5	Anglish and Artist	2012/06/01	1 6 1 6 5 7 1 No. 44
A98	Landscaping	6	1 119 119	\$ 2,000,00	\$ 2,000.00	3 1 1 1 1 1	1 1 1 1 1 1	3	11 11 11 11	S 12,000,00			1,140, 1,150, 12
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A103	Landscaping			1				Cost for No of		Cost for No of Signs	Signs	Cost for No of Signs	\$ 16,000
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A103 A104 A105 A106	Landscaping Contingency Steel-Excavation-Concrete	8	Units	Per Sign 1	Cost Per	Cost for No of Signs	Cost for No of Signs	Signs 4	Cost for No of Signs	Cost for No of Signs	Signs	Cost for No of Signs	\$ 16,000.
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A103 A104 A105 A106 A107 A108	Landscaping Contingency Steel-Excavation-Concrete Option No 1 Contingency	No of Signs	Units No of Units	Per Sign 1 Unit Cost	Cost Per Sign	Cost for No of Signs	Cost for No of Signs	Signs 4	Cost for No of Signs	Cost for No of Signs	Signs	Cost for No of Signs	\$ 16,000.
A103 A104 A105 A106 A107 A108	Landscaping Contingency Steel-Exervation-Concrete Option No 1 Contingency Option No 2	No of Signs	Units No of Units	Per Sign 1 Unit Cost 4 S 1,100.00	Cost Per Sign	Cost for No of Signs	Cost for No of Signs	Signs 4	Cost for No of Signs	Cost for No of Signs 6	Signs	Cost for No of Signs	\$ 16,000 Proposed
A104 A105 A106 A107 A108 A109 A110	Landscaping Contingency Steel-Exercation-Concrete Option No 1 Contingency Option No 2 Contingency	No of Signs	Units No of Units	Per Sign 1 Unit Cost 4 S 1,100.00	Cost Per Sign	Cost for No of Signs	Cost for No of Signs	Signs 4	Cost for No of Signs 5	Cost for No of Signs 6	Signs	Cost for No of Signs	\$ 16,000 Proposed
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A103 A104 A105 A106 A107 A108 A109 A110 A111 A112 A113	Landscaping Contingency Steel-Exercation-Concrete Option No 1 Contingency Option No 2 Contingency Contingency Contingency Contingency Landscaping Option No 4	No of Sigus	Units No of Units	Per Sign 1 Unit Cost 4 \$ 1,100.00 5 \$ 1,100.00 6 \$ 1,100.00	Cost Per Sign \$ 1,100.00	Cost for No of Signs	Cost for No of Signs	Signs 4	Cost for No of Signs 5	Cost for No of Signs 6	Signs	Cost for No of Signs R	\$ 16,000 Proposed
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RESOLUTION	INO
MUDULION	1 110.

A RESOLUTION ACCEPTING A PROPOSAL FROM SCHRAMM LANDSCAPING INC. TO SUPPLY SELECTED PLANT SPECIES, PLANTING AND MULCHING FOR THE LANDSCAPING IN AN AMOUNT NOT TO EXCEED \$16,000.00 FOR THE CITY'S ENTRANCE SIGNS

BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF DARIEN, DU PAGE COUNTY, ILLINOIS, as follows:

SECTION 1: The City Council of the City of Darien does hereby accept a proposal from Schramm Landscaping Inc to supply selected plant species, planting and mulching for the landscaping in an amount not to exceed \$16,000.00 for the City's Entrance Signs, a copy of which is attached hereto as "Exhibit A" and is by this reference expressly incorporated herein.

SECTION 2: This Resolution shall be in full force and effect from and after its passage and approval as provided by law.

PASSED BY THE CITY COUNCIL OF THE CITY OF DARIEN, DU PAGE COUNTY, ILLINOIS, this 6th day of August 2012.

COUNTY, ILLINOIS, this 6" day of Augu	st 2012.
AYES:	
NAYS:	
ABSENT:	
APPROVED BY THE MAYOR OF T	HE CITY OF DARIEN, DU PAGE COUNTY,
ILLINOIS , this 6 th day of August 2012.	
	KATHLEEN MOESLE WEAVER, MAYOR
ATTEST:	
	_
JOANNE E. RAGONA, CITY CLERK	
APPROVED AS TO FORM:	
CITEL A TETODA TEXA	
CITY ATTORNEY	

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THIS FORM MUST BE COMPLETED AND RETURNED TO 1702 PLAINFIELD ROADD BY NO LATER THAN JUNE 26, 2012 – 11 A.M. ATTN: PUBLIC WORKS QUESTIONS MAY BE DIRECTED TO MUNICIPAL SERVICES AT 630-353-81 O6

Submitted by: EKV SCHRAMM
Vendor Name: SCHRAM M LANDECAPING
Address: 326 W 57" ST. HINSDALE IL GOSZI
Phone #: 63 - 655 2646 Fax #: 63 - 655 7089
F-mail Address: INFO @ SCHRUMM LANDSCAPING COM
Authorized Signature: Lw Sd.
Option No. 1 Landscaping for 4 sign locations Quote Amount: Super Per Sign
Quote Amount: 8000 = 700 PER SIGN
Quote Amount in Writing: EIGHT THOUSAND
Option No. 2 - Landscaping for 5 sign locations
Quote Amount: Blo 0 20 02
Quote Amount in Writing: TEN Thousand
Option No. 3 - Landscaping for 6 sign locations Quote Amount: 12,000 Quote Amount in Writing: Tweeve Thousand
The vendor shall provide three references with phone numbers below:
1. THE HADEN (MADENS (-30 655 8283
2. TAMELING INC 630 323 7171
3. HINGALLE MURSERIES 630 329 1411
Acceptance of Quote:
•
By:Date:
Authorized and Accepted:
Ву:
Title:
Date:
Landscaping

AGENDA MEMO

Municipal Services Committee Meeting July 23, 2012

ISSUE STATEMENT

A motion authorizing expenditures related to the City's Entrance Sign Project for steel brackets, stone, asphalt, soil excavation analysis, dump fees, trucking and a contingency in an amount not to exceed \$8,800.00 for the City's Entrance Signs.

BACKGROUND/HISTORY

The 2012-13 Budget calls out for the removal and replacement of the City's Entrance Monument Signs located within DuPage County right of ways. The project calls out for the City to be the general contractor and competitive quotes were secured for the various materials and selective outsourcing. There are additional expenditures that will be required and are described below including a contingency. Please note that all of the extraordinary items, excluding the steel were bid out earlier this year. Below and attached is a summary of the proposed extraordinary expenditures as they relate to the Monument Sign Project:

Steel Brackets	\$1,500
Stone	\$1,405
Asphalt	\$ 885
Analytical Testing	\$1,400
Dump Fees	\$ 220
Trucking	\$ 390
Miscellaneous-Lump Sum	<u>\$3,000</u>
Total Extraordinary Expenses	\$8,800

The proposed expenditure would be from the following account:

ACCOUNT NUMBER	ACCOUNT DESCRIPTION	FY 12-13 BUDGET	YEAR TO DATE TO BE EXPENDED	PROPOSED EXPENDITURE	PROPOSED BALANCE
25-35-4815	Welcome Sign Replacements May 7,2012	\$ 108,000.00	. \$ 0	\$ 18,000.00	\$ 90,000.00
25-35-4815	Concrete Footing and Walls	N/A	\$ 18,000.00	\$ 15,050.00	\$ 74,250.00
25-35-4815	Concrete Blocks	N/A	\$ 33,050.00	\$ 1,265.90	\$ 73,684.10
25-35-4815	Cultured Stone	N/A	\$ 34,315.90	\$ 11,650.00	\$ 62,034.10
25-35-4815	Pier Caps	N/A	\$ 45,965.90	\$ 5,200.00	\$ 56,834.10
25-35-4815	Masonry	N/A	\$ 51,165.90	\$ 14,133.36	\$ 42,700.74
25-35-4815	Precast Masonry Signs	N/A	\$ 65,299.26	\$ 15,000.00	\$ 27,700.74

25-35-4815	Landscaping	N/A	\$ 80,299.26	\$ 16,000.00	\$ 11,700.74
25-35-4815	Misc and Contingency	N/A	\$ 96,299.26	\$ 8,800.00	\$ 2,900.74

STAFF RECOMMENDATION

The staff recommends a motion authorizing expenditures related to the City's Entrance Sign Projects in an amount not to exceed \$8,800 for soil excavation analysis, dump fees, trucking, steel brackets, and a contingency in an amount not to exceed \$8,000.00 for the City's Entrance Signs.

ALTERNATE CONSIDERATION

As directed by the Municipal Services Committee.

DECISION MODE

This item will be placed on the August 6, 2012 City Council agenda for formal approval.

JOB LOCATION			Monument Signa	ge	
DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	TOTAL COST	ACTUAL UNITS
CONCRETE FOOTING AND WALLS	3	EACH	\$ 1,850.00	\$ 5,550.00	-
	5	EACH	\$ 1,900.00	\$ 9,500.00	
CONCRETE BLOCK & MORTAR	850	EACH	\$ 2.34047	\$ 1,265.90	-
CULTURED STONE-SHALE PRO FIT LEDGESTONE	8	EACH	\$ 1,456.25	\$ 11,650.00	
PIER CAPS	16	EACH	\$ 325.00	\$ 5,200.00	
MASONRY WIORK	8	EACH	\$ 2,125.00	\$ 14,133.36	
MONUMENT SIGNS	3	EACH	\$ 1,700.00	\$ 5,100.00	_
	5	EACH	\$ 1,980.00	\$ 9,900.00	
LANDSCAPING	8	EACH	\$ 2,000.00	\$ 16,000.00	
TOTAL MATERIAL AND OUTSOURCED COSTS				S 78,299.26	
STEEL	1	LUMP SUM	\$ 1,500.00	\$ 1,500.00	
STONE GRADE CA-7	99.36	TON	\$ 14.15	\$ 1,405.94	_
TOTAL LENGTH (FT)=	100				
WIDTH (FT)=	6.52				
AREA (SY)=	72 1	LUMP SUM	\$ 800.00	\$ 885.00	•
PAVING ANALYTICAL TESTING	1	LUMP SUM	\$ 1,400.00		
DUMP FEES	4	PER LOAD	\$ 55.00 \$ -	\$ 220.00	
TOTAL LENGTH (FT)= WIDTH (FT)=	100 4		13 -		<u>-</u>
AREA (CY)=	52				

TRUCKING	5	HOURLY	\$ 78,00	\$ 390.00	-
MISCELLANEOUS COST				s 5,800.94	
SUB TOTAL COST				\$ 84,100.20	
CONTINGENCY	Ī	LUMP SUM		s 3,000,00	
TOTAL MISCELLANEOUS AND CONTINGENCY COST				S 8,800.94	
TOTAL MATERIAL AND OUTSOURCE COST				\$ 87,100.20	
ENGINEERING	1	LUMP SUM		\$ 18,000.00	
TOTAL ESTIMATED COST				S 105,100.20	
FYE 13 BUDGET				\$ 108,000.00	

AGENDA MEMO

Municipal Services Committee July 23, 2012

ISSUE STATEMENT

A resolution authorizing the purchase of one new 2012 Ford F-150 Pick Up, from Morrow Brothers Ford, Inc. in the amount of \$22,604.00.

BACKGROUND/HISTORY

The proposed truck is to be utilized primarily to support the Street Division serving as a chipping, storm sewer repair crew vehicle, flag and banner follow unit, parts and material retrieval unit and to be utilized by assigned project employees for the ditch and concrete projects.

The proposed vehicle would be replacing unit 600, 1994 Ford F-250 pickup truck with a 144,666 miles. The vehicle also has ongoing mechanical problems, including severe exterior rusting. Attached please find the history of the vehicle for maintenance and repairs.

Staff contacted the State of Illinois Joint Purchasing Program and received their information on utility trucks and pricing. The bid price for the truck reflects the State Joint Purchase Price. The bid specifications are for Ford to manufacture, install, and deliver the specified truck to the City. The FYE13 Budget included funding for the proposed vehicle.

The proposed expenditure would be expended from the following line account:

ACCOUNT NUMBER	ACCOUNT DESCRIPTION	FY 12-13 BUDGET	PROPOSED EXPENDITURE	PROPOSED BALANCE
01-30-4815	CAPITAL PURCHASES TRUCK REPL UNIT 600	\$25,000.00	\$ 22,604.00	\$ 2,396.00
01-30-4815	CAPITAL PURCHASES TRUCK DECALS	N/A	\$ 600.00	\$ 1,796.00

STAFF RECOMMENDATION

Staff recommends approval a resolution authorizing the purchase of one new 2012 Ford F-150 Pick Up, from Morrow Brothers Ford, Inc. in the amount of \$22,604.00.

ALTERNATE DECISION

As directed by the Municipal Services Committee.

DECISION MODE

This item will be placed on the August 6, 2012 City Council agenda for formal consideration.

7/19/2012 1:00:03 PM

CITY OF DARIEN Repair Transaction Cost Detail

Shop Loc/ Rep Reason/ Equipment# Repair Order# Date Meter(1) Rep Class Rep Site 600 0000017965 01/10/00 78670 01/01 08/01 Group-System Mech/Vendor Work Acc Part(\$) Labor(\$) **Hours** 01-PMA - PREV. MAINT. 001 Α 7.34 28.00 1.00 600 0000019036 04/26/94 72379 01/01 08/01 01-PMA - PREV. MAINT. 001 Α 6.25 14.00 0.50 600 0000019037 01/20/95 7786 01/01 08/01 01-PMA - PREV. MAINT. 002 Α 9.20 7.50 0.50 600 0000019038 01/20/95 7786 01/01 08/01 02-17 - TIRES, TUBES, ETC 11.50 0.00 0.00 600 0000019039 05/30/95 12072 01/01 08/01 01-PMA - PREV, MAINT. 001 Α 12.42 14.00 0.50 600 0000019040 09/08/95 16168 01/01 08/01 01-PMA - PREV, MAINT, 001 Α 9.40 14.00 0.50 600 0000019041 09/08/95 16168 01/01 08/01 01-PMB - PREV, MAINT. 001 В 0.00 14.00 0.50 600 0000019042 12/18/95 19852 01/01 08/01 01-PMA - PREV, MAINT, 001 Α 13,75 14.00 0.50 600 0000019043 03/15/96 22757 01/01 08/01 01-PMA - PREV. MAINT. 002 Α 8.98 7.50 0.50 600 0000019044 03/15/96 22757 01/01 08/01 01-PMC - PREV. MAINT. 001 C 11.69 14.00 0.50 600 0000019045 04/22/96 24102 01/02 01/04 02-17 - TIRES, TUBES, ETC 244.95 0.00 0.00 600 0000019046 06/05/96 25473 01/01 08/01 01-PMA - PREV, MAINT, 002 Α 8.98 7.50 0.50 600 0000019047 07/05/96 26773 01/03 01/01 06-35 - BATTERY 001 89.85 14.00 0.50 600 0000019048 09/19/96 29430 01/01 08/01 01-PMA - PREV. MAINT. 001 Α 13,75 14.00 0.50 600 0000019049 01/03/97 32608 01/01 08/01 01-PMA - PREV. MAINT. 001 Α 16,33 14.00 0.50 600 0000019050 01/03/97 32608 01/01 08/01 01-PMB - PREV. MAINT. 001 В 121.69 28.00 1.00 600 0000019051 04/02/97 36056 01/01 08/01 01-PMA - PREV. MAINT. 002 Α 8.99 7.50 0.50 600 0000019052 08/04/97 41140 01/01 08/01 01-PMA - PREV. MAINT. 001 Α 17.40 14.00 0.50 600 0000019053 08/04/97 41140 01/01 08/01 01-PMD - PREV, MAINT. 001 D 30.57 28.00 1.00 600 0000019054 08/25/97 40409 01/01 08/01 03-10 - WIPERS/WASHERS 40.00 0.00 0.00 600 0000019055 11/12/97 45383 01/01 08/01 01-PMA - PREV. MAINT. 001 Α 9.40 14.00 0.50 600 0000019056 02/03/98 49086 01/01 08/01 01-PMA - PREV. MAINT. 001 Α 9.50 14.00 0.50

CITY OF DARIEN Repair Transaction Cost Detail

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Equipment# Repair Order#	Date	Meter(1)	Shop Loc Rep Clas				
600 0000019057	02/03/98	49086	01/01	08/0	1		·· ···································
<u>Group-System</u> 01-PMB - PREV. MAINT.		Med	ch/Vendor	Work Acc	<u>Part(\$)</u>	Labor(\$)	Hours
			001	В	0.00	14.00	0.50
600 0000019058 01-PMA - PREV. MAINT.	05/07/98	52802	01/01	08/0	1		
600 0000019059			001	Α	9.40	14.00	0.50
01-PMC - PREV. MAINT.	06/10/98	53966	01/01	08/0	1		
			001	С	12.27	28.00	1.00
600 0000019060 01-PMA - PREV. MAINT.	09/04/98	57409	01/01	08/0	1		
600 0000019061	4.5 to # to o		001	Α	9.40	14.00	0.50
06-35 - BATTERY	10/05/98	58543	01/02	01/0			
600 0000019062	45/05/05		001		69.44	14.00	0.50
01-PMA - PREV. MAINT.	12/02/98	61129	01/01	08/0			
600 0000019063	00144100		001	Α	13.75	14.00	0.50
01-PMA - PREV. MAINT.	03/11/99	65640	01/01	08/0			
600 0000019064	0.711.1175		001	Α	9.40	14.00	0.50
000 0000019064 01-PMB - PREV. MAINT.	03/11/99	65640	01/01	08/0			
			001	В	105,69	112.00	4.00
600 0000019065 01-PMA - PREV. MAINT.	06/11/99	69570	01/01	08/0	I		
600 0000019066	22.12.2.2.2		001	Α	9.40	14.00	0.50
01-PMA - PREV. MAINT.	09/22/99	74460	00/01	08/01			
600 0000019067	20100100		001	Α	9.40	14.00	0.50
02-17 - TIRES,TUBES,ETC	09/22/99	74460	00/01	08/01			
600 0000023747	0.4/05/00				446.00	0.00	0.00
01-PMA - PREV. MAINT.	04/05/00	82375	01/01	08/01			
01-PMC - PREV. MAINT.			001 001		7.07	14.00	0.50
01-PMD - PREV. MAINT,			001		15.72 74.39	28.00	1.00
600 0000023791	05/19/00	83970	01/01	08/01		56.00	2.00
01-PMB - PREV. MAINT.		000,0	001	00/01	0.00	28.00	4.00
02-17 - TIRES,TUBES,ETC			001		0.00	14.00	1.00 0.50
600 0000023835	07/17/00	86020	01/01	08/01			0.00
01-PMA - PREV. MAINT.			001		7.37	14.00	0.50
600 0000023871	08/09/00	86974	01/02	08/02		2	0.00
01-PMA - PREV. MAINT.			001		20.00	28.00	1.00
600 0000024016	12/05/00	91260	01/01	08/01			1200
01-PMA - PREV. MAINT.			001		8.50	14.00	0.50
600 0000024184	05/10/01	91506	/02	04/01			0.00
07-46 - BELTS			002		21.69	7.50	0.50
600 0000024403	10/26/01	91850	/02	04/01			0.00
01-PMB - PREV. MAINT.			001		161.27	112.00	4.00
600 0000024526	02/15/02	92025	/01	08/01			
01-PMA - PREV. MAINT.			001		8.60	28.00	1.00
600 0000025425	03/18/04	93070	/02	04/01		_	
01-PMA - PREV. MAINT.		1	001		8,60	14.00	0.50
09-64 - AUGERS & V-BOXS 07-42 - COOLING SYS			001		66.68	56,00	2.00
01-42 - COOLING 515		1	001		78.82	42.00	1.50

CITY OF DARIEN Repair Transaction Cost Detail

quipment# Repair Order#	Date	Meter(1)	Shop Loc Rep Class	•			
600 0000025527	06/10/04	93230	/02	04/01			
Group-System 06-32 - CRANKING SYS			ch/Vendor	Work Acc	Part(\$)	<u>Labor(\$)</u>	<u>Hours</u>
600 0000025979	07/08/08		001		124.64	28.00	1.00
01-PMB - PREV. MAINT.	07/06/05	94084	/01 002	08/01			
600 0000026358	03/13/06	95840			140.05	30.00	2.00
07-46 - BELTS	03/10/00	90040	/01 001	08/01	12.75	55.00	
600 0000026401	04/19/06	96180	/01	08/01	13.25	28.00	1.00
01-PMA - PREV. MAINT.		00100	001	00/0 (11,01	14.00	0.50
06-32 - CRANKING SYS			001		128.50	14.00	0.50 0.50
600 0000027084	11/20/06	99970	/01	08/01			4,00
01-PMA - PREV. MAINT.			001		9.77	14.00	0.50
02-17 - TIRES,TUBES,ETC			001		8,00	14.00	0.50
600 0000027245 04-12 - AXEL REAR	04/24/07	102470	/02	04/01			
600 0000027334	00400		001		225,64	112.00	4.00
01-PMA - PREV. MAINT.	06/13/07	103540	/01	08/01			
600 0000027422	09/05/07	105100	002		14.82	7.50	0.50
04-13 - BRAKES	09/03/07	105490	/02 001	01/01	40.77		
600 0000027447	09/27/07	106115	/01	00.04	12,77	28.00	1.00
04-15 - STEERING	55,21,61	100113	002	08/01	46.12	00.00	
600 0000027537	11/16/07	107170	/01	08/01	40.12	60.00	4.00
01-PMA - PREV. MAINT.		10. (70	001	06/01	14.82	14.00	0.50
600 0000027745	03/06/08	109331	/01	08/01	11.02	14,00	0.50
01-PMB - PREV. MAINT.			002	20,01	0.00	7.50	0.50
600 0000027938	06/11/08	111185	/01	08/01		.,,,,	0.00
01-PMA - PREV. MAINT.			002		13.31	7.50	0.50
600 0000027945	06/17/08	111349	/01	08/01			
03-06 - DOORS			002		104.10	30.00	2.00
600 0000027950	06/18/08	111350	/01	08/01			
06-33 - IGNITION SYS			001		57.30	28.00	1.00
600 0000027982 07-47 - TUNE UP	07/28/08	111520	/01	08/01			
600 0000028188	10/00/00		002		279.28	45.00	3.00
01-PMA - PREV. MAINT,	12/30/08	114025	/01	08/01			
01-PMC - PREV. MAINT.			001 001		15.27 57.82	28.00	1.00
04-13 - BRAKES			001		17.80	28.00 28.00	1.00 1.00
600 0000028226	01/26/09	114334	/01	08/01		20.00	1,00
02-17 - TIRES,TUBES,ETC			002		236.66	30.00	2.00
600 0000028230	01/23/09	114244	/01	08/01			
06-32 - CRANKING SYS			002		119.94	15.00	1.00
600 0000028471	08/04/09	118462	/01	08/01			
01-PMA - PREV. MAINT.	40.55		001		14.66	14.00	0.50
600 0000028661 03-06 - DOORS	12/30/09	120740	01/02	01/01			
600 0000028693	D4 /94 /4 D		002		54.97	30.00	2.00
000 0000020090	01/21/10	121200	01/01	08/01			

CITY OF DARIEN Repair Transaction Cost Detail

O2-17 - TIRES,TUBES,ETC	oment# Repair Order#	Date	DA-1(d)	Shop Loc	•			
Section Sect		Date	Meter(1)	Rep Class	s Rep Site	·····		
Mech/Vendor Mork Acc Part (5) Labor (5) Hou	•			002		196.70	15.00	1.00
01-PMA - PREV. MAINT. 002 15.53 15.00 1.0 600 0000028779 04/23/10 123280 01/01 08/01 600 0000028819 05/04/10 129560 01/02 01/01 01-PMB - PREV. MAINT. 001 230.73 84.00 3.0 600 0000028855 05/02/10 124050 01/02 01/01 600 0000028865 05/02/10 124050 01/02 01/01 600 0000028865 05/02/10 124050 01/02 01/01 600 0000028865 05/02/10 126550 01/01 08/01 01-PMA - PREV. MAINT. 001 13.58 28.00 1.0 600 0000028969 05/14/10 125650 01/01 08/01 01-PMA - PREV. MAINT. 001 13.58 28.00 1.0 600 0000028969 05/14/10 127530 01/02 01/01 600 0000029869 05/14/10 127530 01/02 01/01 60-32 - CRANKING SYS 002 10/05 15.00 603 - CRANKING SYS 002 01/02 01/01 603 - CRANKING SYS 001 600 0000029124 01/18/11 129130 01/02 01/01 600 0000029124 01/18/11 130860 01/01 08/01 601 -PMA - PREV. MAINT. 600 0000029215 04/18/11 131191 01/02 01/01 60-33 - IGNITION SYS 001 08/03 15.60 10/01 600 33.0 000029226 04/27/11 132120 01/02 01/01 603 - GREV. MAINT. 600 000002926 04/27/11 132120 01/02 01/01 603 - GREV. MAINT. 600 000002926 04/27/11 132120 01/02 01/01 603 - GREV. MAINT. 600 000002926 04/27/11 132120 01/02 01/01 603 - GREV. MAINT. 600 000002926 04/27/11 132120 01/02 01/01 600 000002926 04/27/11 132120 01/02 01/01 600 - GREV. MAINT. 600 000002926 04/27/11 132120 01/02 01/01 600 000002926 04/27/11 132120 01/02 01/01 600 000002926 04/27/11 135460 01/01 08/01 600 000002926 04/27/11 135460 01/01 08/01 600 000002928 07/04 13/04 08/01 600 000002928 07/04 13/04 08/01 600 000002928 07/04 13/04 08/01 600 000002928 07/04 13/04 08/01 600 000002938 07/01 135460 01/03 01/01 600 000002938 07/01 137/03 01/03 01/01 600 000002938 05/17/12 139866 01/03 01/01 600 000002938 05/17/12 139866 01/03 01/01 600 000002938 05/17/12 139866 01/03 01/01 600 000002938 05/17/12 139866 01/03 01/01 600 000002938 05/17/12 139866 01/03 01/01 600 000002938 05/17/12 139866 01/03 01/01 600 000002938 05/17/12 139866 01/03 01/01 600 0000036678 06/27/18 137/19 01/03 01/01 600 000003678 06/27/19 137/03 01/03 01/01 600 000003678 06/27/19 137/03 01/03 01/01 600 00		03/09/10	121996	01/01	08/01			
SOC 0000028775 04/23/10 123280 01/01 08/01 01-PMD - PREV. MAINT. 001 15.36 42.00 1.5 000 0000028815 05/04/10 123580 01/02 01/01 230.73 84.00 3.0 01-PMB - PREV. MAINT. 001 230.73 84.00 3.0 01-PMB - PREV. MAINT. 001 243.86 84.00 3.0 01-PMB - PREV. MAINT. 001 08/01 08/01 01-PMA - PREV. MAINT. 001 08/01 01-PMA - PREV. MAINT. 001 01/02 01/02 01/			<u>Med</u>		Work Acc	Part(\$)	Labor(\$)	Hours
01-PMD - PREV. MAINT. 001 15.36 42.00 1.8 600 0000028819 05/04/10 123580 01/02 01/01 230.73 84.00 3.0 01-PMB - PREV. MAINT. 001 230.73 84.00 3.0 0000028865 05/02/10 124080 01/02 01/01 243.86 84.00 3.0 07-48 - EMISSION CONTRL 001 128580 01/01 08/01 01/01 08/01 01/04 PMA - PREV. MAINT. 001 13.58 28.00 1.0 0000028969 09/14/10 126680 01/02 01/01 01/0				002		15.53	15.00	1.00
800 0000028819 05/04/10 123580 01/02 01/01 3.05 44.00 1.5 01-PMB - PREV. MAINT. 001 230.73 84.00 3.0 07-48 - EMISSION CONTRL 001 243.86 84.00 3.0 07-48 - EMISSION CONTRL 001 243.86 84.00 3.0 000 0000028941 08/17/10 125650 01/01 08/01 07-48 - PREV. MAINT. 001 13.58 28.00 1.0 000 0000028968 09/14/10 126480 01/02 01/01 07-44 - FUEL SYS 002 19/01 060 0000029041 11/08/10 127530 01/02 01/01 06-32 - CRANKING SYS 002 100.59 16.00 1.0 06-35 - BATTERY 002 84.95 3.75 0.2 000 0000029124 01/18/11 129130 01/02 01/01 07-43 - EXHAUST SYS 001 155.66 84.00 3.0 0000029164 02/28/11 130860 01/01 08/01 01-PMA - PREV. MAINT. 001 13.97 28.00 1.0 00000029215 04/18/11 131191 01/02 01/01 06-33 - IGNITION SYS 002 55.67 15.00 1.0 00000029216 04/27/11 132120 01/02 01/01 06-33 - IGNITION SYS 001 185.62 42.00 1.5 00 000002926 04/27/11 135460 01/01 08/01 01-PMA - PREV. MAINT. 002 13.98 7.50 0.5 00 0000029463 10/18/11 13590 01/01 08/01 01-PMA - PREV. MAINT. 002 13.98 7.50 0.5 00 0000029463 10/18/11 13590 01/01 08/01 01-PMA - PREV. MAINT. 002 13.98 7.50 0.5 00 0000029463 10/18/11 13560 01/01 08/01 01-PMA - PREV. MAINT. 002 13.98 7.50 0.5 00 0000029463 10/18/11 13590 01/01 08/01 08/01 01-PMA - PREV. MAINT. 002 13.98 7.50 0.5 00 0000029463 10/18/11 13590 01/01 08/01 08/01 07-44 - FUEL SYS 002 7.65 3.75 0.2 000 000002955 12/13/11 125460 01/01 08/01 08/01 07-47 - TUNE UP 002 7.65 3.75 0.2 000 000002969 02/01/12 13760 01/03 01/01 08/01 07-47 - TUNE UP 002 7.65 3.75 0.2 000 000002969 02/01/12 13760 01/03 01/01 08/01 07-47 - TUNE UP 002 7.65 3.75 0.2 000 000002973 05/01/12 139666 01/03 01/01 08/01 000002973 05/01/12 139666 01/03 01/01 08/01 000002973 05/01/12 13760 01/03 01/01 08/01 000002973 05/01/12 13760 01/03 01/01 08/01 000002973 05/01/12 13760 01/03 01/01 08/01 000002973 05/01/12 13760 01/03 01/01 08/01 000002973 05/01/12 13760 01/03 01/01 08/01 000002973 05/01/12 13760 01/03 01/01 08/01 000002973 05/01/12 13760 01/03 01/01 08/01 000002973 05/01/12 13760 01/03 01/01 08/		04/23/10	123280		08/01			
01-PMB - PREV. MAINT. 001 230.73 84.00 3.0 001-PMB - DREV. MAINT. 001 243.86 84.00 3.0 0000028855 05.00 0000028855 05.00 0000028855 05.00 0000028855 05.00 0000028855 05.00 0000028855 05.00 0000028855 05.00 0000028855 05.00 0000028855 05.00 0000028855 05.00 000002855 05.00 000002855 05.00 000002855 05.00 000002855 05.00 000002855 05.00 000002855 05.00 000002855 05.00 000002855 05.00 000002855 05.00 000002855 05.00 000002855 05.00 000002855 05.00 000002855 05.00 000002855 05.00 000002856 05.00 000002856 05.00 000002856 05.00 000002856 05.00 000002856 05.00 000002856 05.00 000002856 05.00 000002856 05.00 000002856 05.00 000002855 05.00 000002855 05.00 000002855 05.00 000002855 05.00 000002855 05.00 0000002855 05.00 0000002855 05.00 0000002855 05.00 0000002855 05.00 0000002855 05.00 0000002855 05.00 0000002855 05.00 000000000000000000000000000000				001		15.36	42.00	1.50
600 0000028855		05/04/10	123580		01/01			
07-48 - EMISSION CONTRL 600 0000028941 08/17/10 126660 01/01 08/01 01-PMA - PREV. MAINT. 600 0000028969 09/14/10 126480 01/02 01/01 07-44 - FUEL SYS 002 197.86 45.00 3.0 600 0000029041 11/08/10 127530 01/02 01/01 06-32 - CRANKING SYS 002 84.95 3.75 0.2 600 0000029124 01/18/11 129130 01/02 01/01 07-43 - EXHAUST SYS 001 195.56 84.00 3.0 600 0000029164 02/28/11 130860 01/01 08/01 01-PMA - PREV. MAINT. 600 000002915 04/18/11 131191 01/02 01/01 03-10 - WIPERSKWASHERS 600 000002926 04/27/11 132120 01/02 01/01 03-10 - WIPERSKWASHERS 600 000002926 09/30/11 135460 01/01 08/01 01-PMA - PREV. MAINT. 600 0000029453 10/18/11 135790 01/01 08/01 01-PMA - PREV. MAINT. 600 0000029453 10/18/11 135460 01/01 08/01 01-PMA - PREV. MAINT. 600 0000029453 10/18/11 135460 01/01 08/01 01-PMA - PREV. MAINT. 600 0000029453 10/18/11 135460 01/01 08/01 01-PMA - PREV. MAINT. 600 0000029453 10/18/11 135460 01/01 08/01 01-PMA - PREV. MAINT. 600 0000029453 10/18/11 135460 01/01 08/01 01-PMA - PREV. MAINT. 600 000002955 12/13/11 135460 01/01 08/01 01-PMA - PREV. MAINT. 600 000002956 02/01/12 13760 01/02 01/01 00-34 - LIGHTING SYS 600 000002956 12/13/11 135460 01/02 01/01 00-34 - LIGHTING SYS 600 000002956 02/01/12 13760 01/02 01/01 00-34 - LIGHTING SYS 600 000002956 02/01/12 13760 01/03 01/01 00-30-6 - DOORS 600 000002950 02/01/12 13760 01/03 01/01 00-30-6 - DOORS 600 000002950 02/01/12 13966 01/03 01/01 00-30-6 - DOORS 600 000002950 02/01/12 13966 01/03 01/01 00-30-6 - DOORS 600 00000036678 05/17/12 13966 01/03 01/01 00-60-41 - BRAKES 002 600 0000036678 05/17/12 13966 01/03 01/01 00-60-41 - BRAKES 002 600 0000036678 05/17/12 13966 01/03 01/01 00-60-41 - BRAKES 002 600 0000036678 05/17/12 139660 01/03 01/01 00-60-41 - BRAKES 000 0000036678 05/17/12 139660 01/03 01/01 00-60-41 - BRAKES 000 000000036678 05/17/12 139660 01/03 01/01 00-60-41 - BRAKES 000 0000036678 05/17/12 139660 01/03 01/01 00-60-41 - BRAKES 000 000003678 05/17/12 139660 01/03 01/01 00-60-41 - BRAKES 000 000003678 05/17/12 139660 01/03 01/01				001		230.73	84.00	3.00
600 0000028941 08/17/10 125650 01/01 08/01 01/01 01/01 01/01 00000028969 09/14/10 126480 01/02 01/01 13.58 28.00 1.0 0000028969 09/14/10 126480 01/02 01/01 197.86 45.00 3.0 0000028969 09/14/10 127530 01/02 01/01 00.59 15.00 1.0 0.6 0.2 01/01 00.59 15.00 1.0 0.6 0.2 01/01 00.59 15.00 1.0 0.6 0.2 01/01 00.59 0.3 0.0 0.6 0.5 BATTERY 0002 84.95 3.75 0.2 0.6 0.5 BATTERY 0002 84.95 3.75 0.2 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0		06/02/10	124050	01/02	01/01			
01-PMA - PREV. MAINT. 001 13.58 28.00 1.0.000 0000028969 09/14/10 126480 01/02 01/01 197.86 45.00 3.0.000 0000028961 11/08/10 127530 01/02 01/01 100.59 15.00 1.0.000 0000028914 01/18/11 129130 01/02 01/01 195.56 84.00 3.0.000 0000028914 01/18/11 129130 01/02 01/01 195.56 84.00 3.0.000028914 01/18/11 129130 01/02 01/01 195.56 84.00 3.0.000028914 01/18/11 130860 01/01 08/01 01-PMA - PREV. MAINT. 001 13.97 28.00 1.0.000028915 04/18/11 131191 01/02 01/01 13.97 28.00 1.0.000028915 04/18/11 131191 01/02 01/01 13.97 28.00 1.0.000028926 04/27/11 132120 01/02 01/01 08/01 01/01 08/01 01-PMC - PREV. MAINT. 001 185.62 42.00 1.5.0000028928 09/30/11 135460 01/01 08/01 01-PMC - PREV. MAINT. 002 39.00 15.00 1.0.000028959 12/27/11 135460 01/01 08/01 0000028959 12/27/11 135460 01/01 08/01 0000028959 12/27/11 135460 01/01 08/01 0000028959 02/01/12 137703 01/03 01/01 08/01 0000028959 02/01/12 137703 01/03 01/01 08/01 0000028959 02/01/12 137703 01/03 01/01 06-34 - LIGHTING SYS 002 7.65 3.75 0.26 00000028959 02/01/12 13760 01/03 01/01 08/01 0000028959 02/01/12 13760 01/03 01/01 08/01 0000028959 02/01/12 13760 01/03 01/01 08/01 0000028959 02/01/12 13760 01/03 01/01 06-34 - LIGHTING SYS 002 7.65 3.75 0.26 00000028959 02/01/12 13760 01/03 01/01 06-34 - LIGHTING SYS 002 7.65 3.75 0.26 00000028959 02/01/12 13760 01/03 01/03 01/01 06-34 - LIGHTING SYS 002 7.65 3.75 0.26 00000028959 02/01/12 13760 01/03 01/03 01/01 06-34 - LIGHTING SYS 002 7.65 3.75 0.26 00000028959 02/01/12 13760 01/03 01/03 01/01 06-34 - LIGHTING SYS 002 7.65 3.75 0.26 00000028959 02/01/12 13760 01/03 01/03 01/01 06-34 - LIGHTING SYS 002 7.65 3.75 0.26 00000028959 02/01/12 13760 01/03 01/03 01/01 06-34 - LIGHTING SYS 002 7.65 3.75 0.26 00000028959 02/01/12 13760 01/03 01/03 01/01 06-34 - LIGHTING SYS 002 7.65 3.75 0.26 00000028959 02/01/12 13760 01/03 01/03 01/01 002 17.91 7.50 0.50 00000028959 02/01/12 13760 01/03 01/03 01/01 002 17.91 7.50 0.50 00000000000000000000000000000	07-48 - EMISSION CONTRL			001		243.86	84.00	3.00
Section Sect		08/17/10	125650	01/01	08/01			
600 0000028969 09/14/10 126480 01/02 01/01 197.86 45.00 3.0 07-44 - FUEL SYS 002 197.86 45.00 3.0 600 0000029041 11/08/10 127530 01/02 100.59 15.00 1.0 60-32 - CRANKING SYS 002 100.59 15.00 1.0 600 000029124 01/18/11 129130 01/02 01/01 600 000029164 01/18/11 130860 01/01 08/01 600 0000029164 02/28/11 130860 01/01 08/01 600 0000029164 02/28/11 13199 01/02 01/01 600 0000029215 04/18/11 131191 01/02 01/01 13.97 28.00 1.0 600 000002926 04/27/11 132120 01/02 01/01 00 1.5 600 0000029428 09/30/11 135460 01/01 08/01 1.5 600 0000029433 10/18/11 135790 01/01 08/01 1.0 0.5 600	01-PMA - PREV, MAINT.			001		13.58	28.00	1.00
07-44 - FUEL SYS 600 0000029041 11/08/10 127530 01/02 01/01 06-32 - CRANKING SYS 06-35 - BATTERY 002 84.95 3.75 0.2 660 0000029124 01/18/11 129130 01/02 01/01 07-43 - EXHAUST SYS 002 0.00 0.00 45.00 3.0 600 0000029164 02/28/11 130860 01/01 08/01 01-PMA - PREV. MAINT. 600 0000029215 04/18/11 131191 01/02 01/01 06-33 - IGNITION SYS 600 000002926 04/27/11 132120 01/02 01/01 03-10 - WIPERS/WASHERS 600 000002928 09/07/11 135460 01/01 08/01 01-PMC - PREV. MAINT. 600 0000029428 09/30/11 13560 01/01 08/01 01-PMA - PREV. MAINT. 600 0000029453 10/18/11 135790 01/01 08/01 01-PMA - PREV. MAINT. 600 0000029509 12/27/11 135460 01/02 01/01 07-44 - FUEL SYS 600 000002955 12/13/11 125460 01/02 01/01 07-47 - TUNE UP 600 000002959 02/01/12 137703 01/03 01/01 03-06 - DOORS 600 0000029600 02/02/12 137460 01/03 01/01 03-06 - DOORS 600 0000029739 05/17/12 139666 01/03 01/01 03-06 - DOORS 600 0000029739 05/17/12 139666 01/03 01/01 03-06 - DOORS 600 0000029739 05/17/12 139666 01/03 01/01 03-06 - DOORS 600 0000029739 05/17/12 139666 01/03 01/01 03-06 - DOORS 600 0000029739 05/17/12 139660 01/03 01/01 03-06 - DOORS 600 0000029739 05/17/12 139660 01/03 01/01 03-06 - DOORS 600 0000029739 05/17/12 139660 01/03 01/01 03-06 - DOORS 600 0000029739 05/17/12 139660 01/03 01/01 04-13 - BRAKES 600 0000029739 05/17/12 139660 01/03 01/01 04-13 - BRAKES 600 0000029739 05/17/12 139660 01/03 01/01 07-47 - TUNE UP 600 0000029739 05/17/12 139660 01/03 01/01 07-47 - DRAWNINT. 600 0000029739 05/17/12 139660 01/03 01/01 07-47 - DRAWNINT. 600 0000029739 05/17/12 139660 01/03 01/01 07-47 - DRAWNINT. 600 0000029739 05/17/12 139660 01/03 01/01 07-47 - DRAWNINT. 600 0000029739 05/17/12 139660 01/03 01/01 07-47 - DRAWNINT. 600 0000029739 05/17/12 139660 01/03 01/01 07-47 - DRAWNINT. 600 0000029739 05/17/12 139660 01/03 01/01 07-47 - DRAWNINT. 600 0000029739 05/17/12 139660 01/03 01/01 07-47 - DRAWNINT. 600 0000029739 05/17/12 139660 01/03 01/01 07-47 - DRAWNINT. 600 0000029739 05/17/12 139660 01/03 01/01	600 0000028969	09/14/10	126480	01/02	01/01			
600 0000029041 11/08/10 127530 01/02 01/01 06-32 - CRANKING SYS	07-44 - FUEL SYS			002		197.86	45.00	3.00
06-32 - CRANKING SYS 06-35 - BATTERY 060 0000029124 01/18/11 129130 01/02 01/01 07-43 - EXHAUST SYS 001 07-43 - EXHAUST SYS 002 0.00 045.00 03.00 07-43 - EXHAUST SYS 002 0.00 045.00 03.00 000029214 01/18/11 130860 01/01 08/01 01/01-PMA - PREV. MAINT. 001 06-33 - IGNITION SYS 002 07-43 - EXHAUST SYS 002 07-43 - EXHAUST SYS 002 07-43 - EXHAUST SYS 002 07-43 - EXHAUST SYS 002 07-43 - EXHAUST SYS 002 07-43 - EXHAUST SYS 002 07-43 - EXHAUST SYS 002 07-43 - EXHAUST SYS 002 07-43 - EXHAUST SYS 002 07-43 - EXHAUST SYS 002 07-40 - ISSUE OF ISSUE	600 0000029041	11/08/10	127530	01/02	01/01			-,55
06-35 - BATTERY 002 84.95 3.75 0.2 600 000029124 01/18/11 129130 01/02 01/01 07-43 - EXHAUST SYS 002 0.00 45.00 3.0 600 000029164 02/28/11 130860 01/01 08/01 01-PMA - PREV. MAINT. 001 13.97 28.00 1.0 600 0000029215 04/18/11 131191 01/02 01/01 06-33 - IGNITION SYS 002 55.67 15.00 1.0 600 0000029226 04/27/11 132120 01/02 01/01 03-10 - WIPERS/WASHERS 001 135460 01/01 08/01 01-PMC - PREV. MAINT. 002 39.00 15.00 1.0 600 0000029428 09/30/11 135460 01/01 08/01 01-PMC - PREV. MAINT. 002 39.00 15.00 1.0 600 0000029453 10/18/11 135790 01/01 08/01 01-PMA - PREV. MAINT. 002 13.98 7.50 0.5 600 0000029559 12/27/11 135460 01/01 08/01 07-44 - FUEL SYS 002 171.23 37.50 2.5 600 000002955 12/13/11 125460 01/02 01/01 06-34 - LIGHTING SYS 002 7.65 3.75 0.2 600 0000029599 02/01/12 137703 01/03 01/01 07-47 - TUNE UP 002 47.80 30.00 2.0 600 0000029509 02/01/12 137460 01/03 01/01 03-06 - DOORS 05/17/12 139666 01/03 01/01 03-06 - DOORS 09/22/06 98600 /01 08/01 01-PMC - PREV. MAINT. 002 69.86 15.00 1.0 600 0000029738 05/17/12 139666 01/03 01/01 04-13 - BRAKES 09/22/06 98600 /01 08/01 01-PMC - PREV. MAINT. 002 69.86 15.00 1.0 600 0000029738 05/17/12 139666 01/03 01/01 04-13 - BRAKES 09/22/06 98600 /01 08/01 01-PMC - PREV. MAINT. 002 69.86 15.00 1.0 600 0000029738 05/17/12 139666 01/03 01/01 04-13 - BRAKES 09/22/06 98600 /01 08/01 01-PMC - PREV. MAINT. 002 69.86 15.00 1.0 600 0000029738 05/17/12 139666 01/03 01/01 01-PMC - PREV. MAINT. 002 69.86 15.00 1.0 600 0000038607 09/22/06 98600 /01 08/01 01-PMC - PREV. MAINT. 002 69.86 15.00 2.0 600 0000038607 09/22/06 98600 /01 08/01	06-32 - CRANKING SYS				2,,2,	100.59	15.00	1.00
600 0000029124 01/18/11 129130 01/02 01/01 195.56 84.00 3.0 07-43 - EXHAUST SYS 002 000 45.00 3.0 600 0000029164 02/28/11 130860 01/01 08/01 01-PMA - PREV. MAINT. 001 13.97 28.00 1.0 600 000029215 04/18/11 131191 01/02 01/01 600 000029226 04/27/11 132120 01/02 01/01 600 0000029428 09/30/11 135460 01/01 08/01 01-PMC - PREV. MAINT. 002 39.00 15.00 1.0 600 0000029428 09/30/11 135460 01/01 08/01 01-PMC - PREV. MAINT. 002 39.00 15.00 1.0 600 0000029453 10/18/11 135790 01/01 08/01 0.5 600 0000029509 12/27/11 135460 01/01 08/01 0.7 0.5 600 0000029505 12/13/11 125460 01/02 01/01 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	06-35 - BATTERY			002				0.25
07-43 - EXHAUST SYS 002 0.00 45.00 3.0 07-43 - EXHAUST SYS 002 0.00 45.00 3.0 600 0000029164 02/28/11 130860 01/01 08/01 01-PMA - PREV. MAINT. 001 13.97 28.00 1.0 600 0000029215 04/18/11 131191 01/02 01/01 06-33 - IGNITION SYS 002 55.67 15.00 1.0 600 000002926 04/27/11 132120 01/02 01/01 03-10 - WIPERS/WASHERS 001 01/01 08/01 01-PMC - PREV. MAINT. 002 39.00 15.00 1.0 600 0000029453 10/18/11 135790 01/01 08/01 01-PMA - PREV. MAINT. 002 13.98 7.50 0.5 600 0000029509 12/27/11 135460 01/01 08/01 07-44 - FUEL SYS 002 171.23 37.50 2.5 600 0000029525 12/13/11 125460 01/02 01/01 06-34 - LIGHTING SYS 002 7.65 3.75 0.2 600 0000029509 02/01/12 137703 01/03 01/01 07-47 - TUNE UP 002 47.80 30.00 2.0 600 0000029600 02/02/12 137460 01/03 01/01 03-06 - DOORS 09/22/06 98600 /01 08/01 04-13 - BRAKES 002 17.91 7.50 0.56 600 0000029738 05/17/12 139666 01/03 01/01 04-13 - BRAKES 09/22/06 98600 /01 08/01 01-PMC - PREV. MAINT. 002 32.00 45.00 3.00 01-PMC - PREV. MAINT. 002 32.00 45.00 3.00 01-PMC - PREV. MAINT. 002 69.86 15.00 1.00	600 0000029124	01/18/11	129130	01/02	01/01			0,20
07-43 - EXHAUST SYS 000 0000029164 02/28/11 130860 01/01 08/01 01-PMA - PREV. MAINT. 001 13.97 28.00 1.0 060 0000029215 04/18/11 131191 01/02 01/01 06-33 - IGNITION SYS 000 0000029226 04/27/11 132120 01/02 01/01 03-10 - WIPERS/WASHERS 001 185.62 42.00 1.5 000 0000029428 09/30/11 135460 01/01 08/01 01-PMC - PREV. MAINT. 002 39.00 15.00 1.0 000 0000029433 10/18/11 135790 01/01 08/01 01-PMA - PREV. MAINT. 002 13.98 7.50 0.5 000 0000029509 12/27/11 135460 01/01 08/01 07-44 - FUEL SYS 002 171.23 37.50 2.5 000 0000029525 12/13/11 125460 01/02 01/01 06-34 - LIGHTING SYS 002 7.65 3.75 0.2: 000 0000029599 02/01/12 137703 01/03 01/01 07-47 - TUNE UP 002 47.80 30.00 2.0 060 0000029500 02/02/12 137460 01/03 01/01 03-06 - DOORS 002 17.91 7.50 0.56 00 0000029738 05/17/12 139666 01/03 01/01 04-13 - BRAKES 000 0000035678 09/22/06 98600 /01 08/01 01-PMC - PREV. MAINT. 002 69.86 15.00 1.00 004-13 - BRAKES 004 0000035678 09/22/06 98600 /01 08/01 01-PMC - PREV. MAINT. 002 69.86 15.00 1.00 005-24 - DRIVE SHAFT 002 24.47 30.00 2.00 005-24 - DRIVE SHAFT 002 24.47 30.00 2.00	_				557	195.56	84.00	3 00
600 0000029164 02/28/11 130860 01/01 0B/01 01-PMA - PREV. MAINT. 001 13.97 28.00 1.0 600 0000029215 04/18/11 131191 01/02 01/01 06-33 - IGNITION SYS 002 55.67 15.00 1.0 600 0000029226 04/27/11 132120 01/02 01/01 03-10 - WIPERS/WASHERS 001 185.62 42.00 1.5 600 0000029428 09/30/11 135460 01/01 08/01 01-PMC - PREV. MAINT. 002 39.00 15.00 1.0 600 0000029453 10/18/11 135790 01/01 08/01 01-PMA - PREV. MAINT. 002 13.98 7.50 0.5 600 0000029509 12/27/11 135460 01/01 08/01 07-44 - FUEL SYS 002 171.23 37.50 2.5 600 0000029525 12/13/11 125460 01/02 01/01 06-34 - LIGHTING SYS 002 7.65 3.75 0.21 600 0000029599 02/01/12 137703 01/03 01/01 07-47 - TUNE UP 002 47.80 30.00 2.01 600 0000029500 02/02/12 137460 01/03 01/01 03-06 - DOORS 05/17/12 139666 01/03 01/01 03-06 - DOORS 05/17/12 139666 01/03 01/01 04-13 - BRAKES 09/22/06 98600 /01 08/01 01-PMC - PREV. MAINT. 002 69.86 15.00 1.00	07-43 - EXHAUST SYS			002				3.00
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RESOL	ITION	NO	
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A RESOLUTION AUTHORIZING THE PURCHASE OF ONE (1) NEW 2012 FORD F-150 PICK UP FROM MORROW BROTHERS FORD, INC. IN THE AMOUNT OF \$22,604.00

BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF DARIEN, DU PAGE COUNTY, ILLINOIS, as follows:

SECTION 1: The City Council of the City of Darien does hereby authorize the purchase of one (1) new 2012 Ford F-150 Pick Up from Morrow Brothers Ford, Inc. in the amount of \$22,604.00, a copy of which is attached hereto as "Exhibit A" and is by this reference expressly incorporated herein.

SECTION 2: This Resolution shall be in full force and effect from and after its passage and approval as provided by law.

PASSED BY THE CITY COUNCIL OF THE CITY OF DARIEN, DU PAGE
COUNTY, ILLINOIS, this 6th day of August 2012

AYES:	
NAYS:	
ABSENT:	
	HE CITY OF DARIEN, DU PAGE COUNTY,
ILLINOIS , this 6 th day of August 2012.	
	KATHLEEN MOESLE WEAVER, MAYOR
ATTEST:	
JOANNE E. RAGONA, CITY CLERK	
APPROVED AS TO FORM:	
OUTY ATTODNEY	
CITY ATTORNEY	

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	TOTAL ORDER COST	\$
	PLEASE MAIL ORDER TO:	FAX ORDERS TO:
	MORROW BROTHERS FORD,	INC. 1-217-368-3517
	RR 2 BOX 120	EMAIL ORDERS TO:
	GREENFIELD, IL 62044	r-wellen@dealeremail.com

QUESTIONS PLEASE CALL 1-217-368-3037 ASK FOR RICHIE

PLEASE SUMMIT THIS FORM WITH YOUR ORDER

2012 Ford Truck Pricing

F-150 4x2 REGULAR CAB 8' BED 3.7L V-6 FFV E-85	\$15,230.00
☐ EXTENDED CAB W/QUARTER DOORS AND 6.5' BEDADI	
☐ EXTENDED CAB W/QUARTER DOORS AND 8' BEDADI)\$1 ,9 85.00
☐ CREW CAB W/4 FULL SIZE DOORS AND 5' 6" BEDADI)\$4,885.00
☐ CREW CAB W/4 FULL SIZE DOORS AND 6' 6" BEDADI)\$5,165.00
☐ 4x4 OPTION FOR REGULAR CABADI)\$2,425.00
☐ 4x4 OPTION FOR EXTENED CABADI	D\$2,755.00
☐ 4x4 OPTION FOR CREW CABAD	D\$3,885.00
□ 5.0L V-8 FFV E-85 ENGINEAD	D\$600.00
□ 3.5L V-6 ECO BOOST 365HPAI	D\$1,860.00
New Municipal License/Title/TRP/Documentation	<u>)n</u>
TOTAL LICENSING FEES	\$149.00
Colon Ontions	
Color Options CHERNALLION DED CLEARCOAT	10/4
☐ VERMILLION RED CLEARCOAT ☐ DARK BLUE PEARL CLEARCOAT METALLIC	
☐ INGOT SILVER CLEARCOAT METALLIC	
☐ TUXEDO BLACK CLEARCOAT METALLIC	
OXFORD WHITE CLEARCOAT	
STERLING GRAY CLEARCOAT METALLIC	
☐ GREEN GEM METALLIC	
☐ SCHOOL BUS YELLOW	
LISCHOOL BUS TELLOW	,
SPECIAL PAINT	
□VSO MONOTONE PAINTADD	\$480.00
INTERIOR OPTIONS	NO OIL DOT
40/20/40 VINYL BENCH SEAT W/FOLDING CONSOLE	
☐ CLOTH CAPTAINS CHAIRS 4X4EXTENDED & CREW C	AB\$380.00

STANDARD EQUIPMENT

•	6750-7200LB GVW	•	REAR STEP BUMPER
•	145" WHEEL BASE	•	AIR CONDITIONING
•	CARGO BOX TIE DOWN HOOKS	•	VINYL BENCH SEAT
•	AUTOMATIC TRANSMISSION	•	INTERMITENT WIPERS
•	(5) P235/75R/17 TIRES	•	AM/FM STEREO
•	POWER STEERING	•	DUAL AIR BAGS
•	POWER ANTI-LOCK BRAKES	•	DOME/CARGO BED LIGHT
•	750 CCA BATTERY	•	CUP HOLDERS
•	135-155 AMP ALTERNATOR	•	FULL INSTRUMENTATION

OPTIONAL EQUIPMENT

• TINTED GLASS

26 GALLON FUEL TANK

LIJELECTRONIC LOCKING REAR AXEE	\$440;00
CRUISE CONTROL/TILT WHEEL	\$185.00
SLIDING REAR WINDOW	\$225.00
FACTORY TRAILER BRAKE CONTROLLER	\$230.00
TRAILER TOW PACKAGE	\$290.00
TRAILER TOW MIRRORS	\$235.00
☐ 3.55 AXLE RATIO	\$50.00
☐ 3.73 AXLE RATIO	
☐ 17" ALUMINUM WHEELS	\$475.00
☐ P265ALL SEASON OR ALL TERRAIN	\$325.00
☐ P255 TIRE UPGRADE ALL SEASON4X2 ONLY	\$325.00
☐ LT 245 TIRESALL SEASON 4X2ALL TERRAIN 4X4	\$300.00
☐ SKID PLATES	\$140.00
☐ POWER WINDOWS/LOCKS/MIRRORSREGULAR CAB	\$880.00
□_POWER WINDOWS/LOCKS/MIRRORSEXT./CREW CAB	\$1,080.00
H/D PAYLOAD PKG. 8200# GVWR8FT BED ONLY	\$1,480.00

OPTIONAL EQUIPMENT CONT. ☐ FLOOR CARPET......\$1 55.00 REAR WINDOW DEFROSTER.....\$160.00 AM/FM/CD.....\$290.00 🔀 36 GALLON FUEL TANK......\$95.00 -DAYTIME RUNNING LIGHTS.....\$45.00 ENGINE BLOCK HEATER....\$90.00 BLACK FULL LENGTH PLATFORM RUNNING BOARDS......\$360.00 BLACK OR STAINLESS TUBULAR FULL LENGTH CAB STEP\$......\$425.00 ☐ PICK UP BOX SIDE ACCES STEP......\$375.00 ☐ CHROME BUMPERS.....\$1.75.00 ▼ FRONT TOW HOOKS 4X2......\$325.00 ☐ REMOTE START.....\$590.00 ☐ INTEGRATED TAILGATE STEP.......\$375.00 □ BED LINER.....\$295.00 SPRAY IN BED LINER.....\$595.00 ☑ RUST PROOF/UNDERCOAT.....\$490.00 · ☑ FLOOR MATS.....\$90.00 · FIRE EXTINGUISHER W/MOUNT.....\$170.00 · BACK UP ALARM....\$90.00 SERVICE MANUAL....\$275.00 -DELIVERY SINGLE UNIT.....\$275.00 · ☐ DELIVERY MULTIPLE UNITS.......\$225.00 TRUCK BODY AND EQUIPMENT OPTIONS **A.R.E PICKUP TOPPERS**

\$1,975.00	□ A.R.E. FIBERGLASS CAP TOPPER	
	-CAB HIGH, SIDE WINDOWS, 3 RD BRAKE LIGHT	
\$125.00	☐ SLIDING FRONT WINDOW FOR ABOVE TOPPER	
\$185.00	☐ SWING UP SIDE WINDOWS FOR ABOVE WINDOW	
\$195.00	☐ WEDGE TOP FOR ABOVE TOPPER	
NO CHARGE	☐ DELETE SIDE WINDOWS FOR ABOVE TOPPER	
\$1,875.00	☐ FIBERGLASS TONNEAU COVER	

TRUCK BODY AND EQUIPMENT OPTIONS CONT.

TOOL BOXES *INDUSTRIAL GRADE, TOUGHCOAT LINED, DUAL KEY LOCKS, H/D AL UMINUM ☐ TREAD PLATE ALUMINUM CROSS BOX......\$695.00 ☐ TREAD PLATE ALUMINUM SIDE BOX(LEFT).....\$585.00 ☐ TREAD PLATE ALUMINUM SIDE BOX(RIGHT).....\$585.00 LIFTGATES ☐ LIFTGATE 1300LB CAPACITY.....\$2,890.00 -DUAL CYLINDER DRIVE -STEEL PLATFORM 55"X27" w/4" TAPPER ☐ OPTIONAL PLATFORM FOR ABOVE LIFT GATE 55"X38" W/4" TAPPER \$190.00 SAFETY LIGHTING *INCLUDES ALL PARTS, LABOR, AND INSTALLATION* ☐ UNITY POST MOUNT SPOT LIGHT......\$295.00 ☐ UNITY POST MOUNT LED SPOT LIGHT.....\$495.00 -2000 LUMENS; 124,000 CANDELA; 5 YEAR WARRANTY ☐ WHELEN HAND HELD SPOT/WORK LIGHT.....\$290.00 WHELEN 4 CORNER STROBE KIT (2) FRONT, (2) REAR.....\$595.00 ☐ WHELEN 4 CORNER LED VERTEX KIT......\$635.00 ▼ WHELEN LED TRAFFIC ADVISOR......\$785.00 WHELEN L31 SUPER LED AMBER BEACON.....\$380.00 ☐ WHELEN RESPONDER LP LED MINI BAR.....\$480.00 ☐ WHELEN 4 STROBE MINI EDGE......\$880.00 ☐ WHELEN LIBERTY I4 HEAD LED......\$2,480.00 -INCLUDES: ALLEY LIGHTS, WORK LIGHTS, TRAFFIC ADVISOR ☐ TRAC RACK GLASS PROTECTOR......\$390.00 •□ *NO HOLES DRILLED LIGHT MOUNT*.....\$195.00 *RECOMMENDED FOR LIGHT MOUNTING*

F.Y.I. WE STOCK THE FOLLOWING GOVERNMENT VEHICLES

^{*}CROWN VICTORIA POLICE INTERCEPTORS

^{*}SELECT F-SERIES TRUCKS

^{*}EXPLORER

^{*}SSV EXPEDITIONS

^{*}FOCUS, FUSION, TAURUS

MINUTES CITY OF DARIEN MUNICIPAL SERVICES COMMITTEE SPECIAL MEETING June 18, 2012

PRESENT: Joseph Marchese - Chairperson, Alderman Ted Schauer, Dan Gombac - Director

ABSENT: Alderman Halil Avci.

ESTABLISH QUORUM

Chairperson Marchese called the meeting to order at 5:30 p.m. at the City Hall – City Council Chambers, Darien, Illinois and declared a quorum present,

NEW BUSINESS

A. 2601 75th Street, Grand Dukes – Petitioner seeks approval of a Special use for an eating establishment within the B-2 Zoning District.

Mr. Dan Gombac – Director reported that this in reference to PZC 2012-08 and is a special use for an eating establishment. He reported that the petitioner Mr. Andrias Bucas was present. Mr. Gombac stated that the property is located at 2601 75th Street and is within a B-2 community shopping center district with the restaurant next to Mi Hacienda.

Mr. Gombac reported that in 2003 the City Council granted a variation for parking setback which would go along with the existing property. He reported that the property contains Mi Hacienda and the proposed Grand Dukes. Mr. Gombac stated that the west half is being renovated and the restaurant use will have 26 seats and occupy 25% of the space. He reported that parking is not an issue and that staff does not object to the proposed use. Mr. Gombac reported that the PZC held a public hearing and recommended approval.

Mr. Gombac reported that he received and email from Alderman Avci questioning the food preparation. Mr. Gombac stated that the food will be prepared off site and brought to the Darien site. He stated that the City does not oversee any food-related issues including storage, and preparation and that it is strictly enforced through the DuPage County Health Department.

The petitioner, Mr. Andrias Bucas stated that most of the food preparation will be done at their site in Lemont. He stated that there would be some minor cooking at the Darien site.

Alderman Schauer made a motion, and it was seconded by Alderman Marchese that based upon the information presented, the request associated with PZC 2012-08 is in conformance with the standards of the Darien City Code and move that the Municipal Services Committee recommend approval to the City Council as presented.

Upon voice vote, THE MOTION CARRIED unanimously 2-0.

Mr. Gombac reported that this would be forwarded to the City Council for approval.

There was no one in the audience wishing to present public comment.

ADJOURNMENT

With no further business before the Commission, Alderman Schauer made a motion and it was seconded by Alderman Marchese to adjourn. Upon voice vote, THE MOTION CARRIED unanimously and the meeting adjourned at 6:45 p.m.

RESPECTFULLY SUBMITTED:		
Elizabeth Lahey Secretary	Joseph Marchese Chairman	
Halil Avci Alderman	Ted Schauer Alderman	

MINUTES CITY OF DARIEN MUNICIPAL SERVICES COMMITTEE June 25, 2012

PRESENT: Joseph Marchese - Chairperson, Alderman Halil Avci, Alderman Ted Schauer,

Dan Gombac - Director, Elizabeth Lahey-Secretary

ABSENT: None.

ESTABLISH QUORUM

Chairperson Marchese called the meeting to order at 6:30 p.m. at the City Hall – City Council Chambers, Darien, Illinois and declared a quorum present,

NEW BUSINESS

A. Resolution – Accepting a proposal from HD Supply Inc. for water main repair clamps, brass, fittings and utility tools as required for the maintenance of the water system for a period of June 1, 2012 through April 30, 2013.

Mr. Dan Gombac – Director reported that during the year, staff utilizes water main repair clamps and various fittings for the water system. He reported that the total estimated costs for the water main clamps, brass, fittings and utility tool clamps would not exceed \$20,000.

There was no one in the audience wishing to present public comment.

B. Resolution – Accepting a proposal from Water Products, Inc. for the Clow Eddy Fire Hydrant repair parts as required for a period of June 1, 2012 through April 30, 2013.

Mr. Dan Gombac – Director reported that during the year the Water Department requires the use of manufacturer specified fire hydrant repair parts for fire hydrant repairs. He reported that Clow Eddy is one of various fire hydrants in Darien. He further reported that the total estimated costs for the Clow Eddy Fire Hydrant repair parts would not exceed \$8,000.

There was no one in the audience wishing to present public comment.

C. Resolution – Accepting a proposal from East Jordan Iron Works Inc. for the East Jordan Fire Hydrant repair parts as required for a period of June 1, 2012 through April 30, 2013.

Mr. Dan Gombac, Director reported that during the year the Water Department requires the use of manufacturer specified fire hydrant repair parts for fire hydrant repairs. He reported that the He reported that East Jordan is one of various fire hydrants in Darien. The total estimated costs for the specified East Jordan Iron Works Fire Hydrant repair parts would not exceed \$8,000.

There was no one in the audience wishing to present public comment.

D. Resolution – Accepting a proposal from Ziebell Water Service Products, Inc. for the Traverse City Fire Hydrant repair parts as required for a period of June 1, 2012 through April 30, 2013.

Mr. Gombac reported that the Traverse City fire hydrants are no longer manufactured and many of the parts are unavailable. The pricing between HD Supply and Ziebell was very competitive on a line-by-line comparison whereas on the total price Ziebell was the lowest competitive price. The Staff reviews the total cost of the parts and availability and will compare the purchase to a new fire hydrant. Mr. Gombac reported the staff had requested Ziebell to review the competitors pricing and has adjusted the pricing to meet the competitors. Mr. Gombac reported that the repair parts would not exceed \$8,000.

There was no one in the audience wishing to present public comment.

E. Resolution – Accepting a proposal from HD Supply Waterworks Inc. for US Pipe Fire Hydrant repair parts as required for a period of June 1, 2012 through April 30, 2013.

Mr. Gombac reported that the City has very few US Pipe Fire Hydrants. He reported that the manufacturer parts are only distributed through specified territories thus resulting in Staff securing one quote only. He further reported that the repair parts would not exceed \$8,000.

There was no one in the audience wishing to present public comment.

F. Resolution – Accepting a proposal from East Jordan Iron Works for East Jordan Fire Hydrants with valves as required for a period of June 1, 2012 through April 30, 2013.

Mr. Gombac reported that staff replaces several fire hydrants per year due to accidents or the repair parts exceed the cost of a new fire hydrant. He stated that East Jordan Iron Works provided the lowest competitive quote and that the costs would not exceed \$6,500.

There was no one in the audience wishing to present public comment.

G. Resolution – Accepting a proposal from Ziebell Water Service Products Inc. for the Waterous Pacer Fire Hydrant repair parts as required for period of June 1, 2012 through April 30, 2013.

Mr. Dan Gombac, Director reported that during the year the Water Department requires the use of manufacturer specified fire hydrant repair parts for fire hydrant repairs. He reported that the Waterous Pacer Fire Hydrant is one of various fire hydrants in Darien. Mr. Gombac reported that the repair parts for the Waterous Pacer Fire Hydrant would not exceed \$8,000.

There was no one in the audience wishing to present public comment.

H. Resolution – Accepting a proposal from HD Supply Waterworks Inc. for the Mueller Super Centurion Fire Hydrant repair parts as required for a period of June 1, 2012 through April 30, 2013.

Mr. Dan Gombac, Director reported that during the year the Water Department requires the use of manufacturer specified fire hydrant repair parts for fire hydrant repairs. He reported that the Mueller Super Centurion Fire Hydrant is one of various fire hydrants in Darien. Mr. Gombac reported that the repair parts for the Mueller Super Centurion Fire Hydrant would not exceed \$8,000.

Alderman Schauer questioned if parts are kept in stock in the event of a break.

Mr. Gombac reported that staff keeps a limited stock on hand. In the event of an item required after hours staff maintains a list of after hour vendor contacts. In regards to fire hydrants, Mr. Gombac reported that staff looks at each hydrant and what the costs will be prior to ordering parts.

Chairperson Marchese questioned if staff has looked at replacing all the old hydrants.

Mr. Gombac reported that Staff has forwarded the item for budget consideration and funding has not been provided on a larger scale. Staff has the ability to remove and replace approximately 3-4 fire hydrants per year.

Alderman Avci questioned how the parts are received.

Mr. Gombac reported that all vendors provide quick service via their own shipping trucks, common carrier or parcel service. In most cases Staff also has the opportunity to pick up the material pending the urgency.

There was no one in the audience wishing to present public comment.

Alderman Schauer made a motion and it was seconded by Alderman Avci to approve Items A-H of the agenda as presented.

Upon voice vote, THE MOTION CARRIED unanimously 3-0.

I. Ordinance – Approval of an amendment to the Darien Stormwater and Flood Plain Management Ordinance, Section 6B-1 of the City Code.

Mr. Dan Gombac reported that on April 24, 2012 the DuPage County Board amended the DuPage County Countywide Stormwater and Flood Plain Ordinance. He reported that in order to be in compliance that all communities are required by state law to adopt the minimal standards of the Ordinance.

Mr. Gombac summarized the updates through the agenda memo as presented.

There was no one in the audience wishing to present public comment.

Alderman Avci made a motion and it was seconded by Alderman Schauer to approve an amendment to the Darien Stormwater and Flood Plain Management Ordinance, Section 6B-1 of the City Code.

Upon voice vote, THE MOTION CARRIED unanimously 3-0.

J. Resolution – Authorize the purchase of one (1) new Cannon Image Pro IPF760 and one (1) new Kip 700 from Clifford-Wald in the amount of \$13,795.00.

Mr. Dan Gombac reported that the printer/color copier works side by side and would be linked to the server allowing Staff the ability to print black and white or color maps which are used to show projects for budget purposes and storyboards for the public as well as field plans for the City. He reported that staff will also realize a cost savings by printing the documents in-house versus outsourcing.

Mr. Gombac reported that the old equipment will be declared surplus after the install of the proposed equipment.

There was no one in the audience wishing to present public comment.

Alderman Avci inquired to whether the equipment would be utilized by the Police Department. Director Gombac informed the Committee that he would follow up with Chief Brown regarding the equipment and potential use.

Alderman Avci made a motion and it was seconded by Alderman Schauer authorizing the purchase of one (1) new Canon Image Pro IPF760 and one (1) new KIP 700 from Clifford-Wald in the amount of \$13,795.00.

Upon voice vote, THE MOTION CARRIED unanimously 3-0.

K. Minutes – May 29, 2012 – Municipal Services Committee

Alderman Avci made a motion and it was seconded by Alderman Schauer to approve the May 29, 2012 Meeting Minutes.

Upon voice vote, THE MOTION CARRIED unanimously 3-0.

DIRECTOR'S REPORT

a. Emerald Ash Borer

Mr. Dan Gombac provided an update on the Emerald Ash Borer (EAB) and provided a cost analysis of applying the chemical product Tree-Age to prevent EAB. Mr. Gombac reported that the proposed insecticide Tree-Age has been 99.82% effective on Emerald Ash Borer. The program would involve multi cycle and future budget commitments.

Alderman Schauer questioned if the chemical will work.

Mr. Gombac reported that the company guarantees that it is 99.82% effective.

Alderman Avci questioned the lifeline of the treated tree.

Mr. Gombac reported that the lifeline number was unknown.

Alderman Schauer stated that an active approach should be taken to replace the trees.

Mr. Gombac reported that \$10,000 has been budgeted for removal and limited treatment applications of the Emerald Ash Borer. He stated that he is working on getting testimonials before moving forward.

The proposed item will be forwarded to the City Administrator for review and funding mechanisms. The Staff will update the Committee with a follow up summary report.

NEXT MEETING

Chairperson Marchese announced that the next meeting is scheduled for Monday, July 23, 2012 at 6:30 p.m.

ADJOURNMENT

With no further business before the Commission, Alderman Schauer made a motion and it was seconded by Alderman Avci to adjourn. Upon voice vote, THE MOTION CARRIED unanimously and the meeting adjourned at 7:35 p.m.

RESPECTFULLY SUBMITTED:

Elizabeth Lahey Secretary	Joseph Marchese Chairman
v	
•	
Halil Avci	Ted Schauer
Alderman	Alderman



CITY OF DARIEN

In the County of DuPage and the State of Illinois Incorporated 1969

TO:

Municipal Services Committee

Bryon Vana-City Administrator

FROM:

Daniel Gombac, Municipal Services Director

DATE:

July 23, 2012

SUBJECT:

Emerald Ash Borer-Executive Summary Update-Program Treatment Cost

Analysis

EXECUTIVE SUMMARY

Background

The Emerald Ash Borer (EAB) is an invasive species from Asia that arrived in the United States in wood packing material. The pest was first detected in Michigan in 2002 and has subsequently spread to Canada and a number of other states including northern Illinois. The pest kills all species of North American ash trees and has killed an estimated 30 million trees to date. To date, the EAB has affected 12 Ash trees in the City of Darien. When it comes to the potential devastation of EAB, there is a lot at stake for the City. There are an estimated 2600 ash trees in the City's parkways and makes up an estimated 30% of urban trees.

This updated plan identifies new strategies based on the science that has been advanced since the original response plan was developed several years ago. With this new information and plan, staff is being proactive to the long-term management of the EAB.

Effectiveness

The effectiveness of the Tree-Age product is well above the 92 percentile. Attached and labeled as Attachment D is a study conducted through the International Society of Arboriculture. The study evaluates the effectiveness of injections and drenching during a period of 2005-2010.

When the researchers talk about percent effectiveness they are referring to number of larvae controlled. For example, say it takes 1000 larvae to kill a tree over time. Inject the tree in 2012 and kill 990 of the insects who tried to feed leaving only 10. If the 2nd year was only 92 % effective, there would still not be enough larvae to kill the tree.

Regarding the analysis for 3 cycles/applications or in 6 years, it is highly anticipated that the EAB would be eradicated due to the food chain being depleted. This assumes that all untreated ash trees within private residences, neighboring towns, forest preserves have died off due to not being treated.

Attached and labeled as Attachment E is an additional study conducted for insecticide options for protecting ash trees. The study was conducted through the Ohio State University, Michigan State University, Purdue University, University of Wisconsin-Madison, and University of Illinois.

Attached please find two colored brochures provided through Arborjet providing information on management and treatment facts for the Emerald Ash Borer.

The Response Plan

The staff has devised a response plan for emerald ash borer, or EAB. The plan was created through updated industry information and the proposed plan includes a program to apply the Tree-Age insecticide. The plan is based on the application of the abovementioned insecticide once every two years for three cycles.

Goal

The goal of the Department is to treat the entire City owned inventory of healthy ash trees. The City will also continue to educate residents with private property trees and review potential treatment programs. The City will also work with the Darien Park District to establish goals. The Staff is cognizant to the fact that there will be Ash trees that will not be able to be saved and will require removal. The goal of the department was to begin the treatment in April of 2013, pending budget allocation.

Objective

The objective of the plan is to eliminate the destructive effects of EAB on Darien's Ash trees. Ash trees are a quality of life benefit and provide a cost benefit of approximately \$185.00 per year, based upon a 20-inch diameter tree.

Program Costs

Attached is a cost analysis spreadsheet labeled as Attachment A. The analysis provides cost comparisons as they relate to treatments, removals, benefits, and a program cost summary. Staff is requesting to move forward with the program as outlined under Column B-F Rows 22-27. The cost for the program has been estimated as follows:

Cycle 1 Year 2012/13	\$179,400.00
Cycle 2 Year 2014/15	\$176,200.00
Cycle 3 Year 2016/17	\$176,200.00
Total Cost over 6 years	\$531,800.00

The proposed funding for the program was not budgeted for FYE13. Staff is currently reviewing fund balances through the Capital Projects Fund and Motor Fuel Tax Funds. Staff has been in contact with IDOT regarding the use of MFT funds for EAB. The MFT funds may not be currently used for the insecticide treatment of parkway trees. The Illinois Department of Transportation will be discussing the proposed funding use during the next several months for MFT funding consideration. This item has been discussed with the City Administrator and will be forwarded for Budget consideration at the October workshop.

Please let me know if there are any further questions or comments.

Below, please find the summary descriptions as they relate to the attached spreadsheet.

Spreadsheet Summary Descriptions

Column B - Rows 2-9 *Inventory* Identifies 5 tree sections. The City is broken down into 5 quadrants for tree maintenance programs. See Map labeled as Attachment B.

Column C - Rows 2-9 Identifies the *Total No of Trees* per section

Column D - Rows 2-9 Identifies the No of Ash Trees per section

Column E - Rows 2-9 Identifies the Difference of Other Tree Species

Column F - Rows 2-9 Identifies the Percentage of Ash Trees to Total Trees per section

Column G - Rows 2-9 Identifies the *Total Tree Diameter Inches* (Diameter By Height-DBH) of ash trees per section. The measurement is based on a window survey and limited ash trees have been field measured.

Column H - Rows 2-10 Identifies the amount of *Tree-Age Application Rate* in liters required to treat the tree for the first cycle per section.

Column I - Rows 2-9 Identifies the *Cost Per Liter* per section for the first cycle.

Column J - Rows 2-9 Identifies the total no of *Arbor Plugs* required to be placed into the tree after the injection

Column K - Rows 2-9 Identifies the costs for the plugs

The following items relate to equipment required to complete the program.

Column B - Rows 11-16 Identifies the *Equipment Required* and is considered a one-time expense with the exception of the needles and cleaner.

Column C - Rows 11-16 Identifies the *Quantity Required*

Column D - Rows 11-16 Identifies the *Unit Cost* for each item

Column E - Rows 11-16 Identifies the *Total Cost* for each item

The following items relate to the labor force required to complete the program. Staff has reviewed outsourcing the service and has determined that with the City Arborist on staff and the ability to hire on a temporary employee there is an economy of executing the program in-house. The City Arborist would be committed to leading and performing the applications with the assistance of a temporary employee. The following items relate to the workforce required to complete the program.

Column B - Rows 17-18 Identifies the Workforce Summary required

Column C - Rows 17-18 Identifies the totals for the No of Trees targeted

Column D - Rows 17-18 Identifies the Hours Per Tree for the application

Column E - Rows 17-18 Identifies the Total Hours Required for the program

Column F - Rows 17-18 Identifies the No of Working Weeks Required for the program

Column F - Rows 17-18 Identifies the No of Working Days Required for the program

The next item reviews the cost of the treatment program. The program will require a total of three applications/cycles. The application/cycle shall be applied once every two years. The program would be scheduled as follows:

Cycle 1 - 2012/13 Application

Cycle 2 - 2014/15 Application

Cycle 3 - 2016/17 Application

The following items relate to the Cost Summary required to complete the multi-cycle program and would be completed In-House by staff.

Column B - Rows 22-27 Identifies the items required to complete the program and include equipment, supplies and temporary labor.

Column C - Rows 22-27 Identifies the costs to complete the program for Cycle 1 and is anticipated to be completed in 2012 or 2013. Cycle 1 cost is estimated at \$179,400

Column D - Rows 22-27 Identifies the costs to complete the program for Cycle 2 and is anticipated to be completed in 2014 or 2015. Cycle 2 cost is estimated at \$176,200

Column E - Rows 22-27 Identifies the costs to complete the program for Cycle 3 and is anticipated to be completed in 2016 or 2017. Cycle 3 cost is estimated at \$176,200

Column F- Rows 22-27 Identifies the costs to complete the program for Cycles 1-3 at a total cost of approximately \$531,800

The next item relates to the benefits of mature Ash trees and provides the following benefits:

- Stormwater
- Electricity
- Air Quality
- Property Values
- Natural Gas
- CO2

The average Ash tree in the city provides a cost benefit of approximately \$185.00 per year. The following items relate to the Cost Benefit of Ash Trees.

Column B - Rows 28-29 Identifies the Cost Benefit of Ash Trees and Support Documentation. The Support Documentation is labeled as Attachment C.

Column C - Rows 28-29 Identifies the No of Trees

Column D - Rows 28-29 Identifies the Cost Benefit Per Tree

Column E - Rows 28-29 Identifies the Total Cost Benefit

The next item compares removal costs if an EAB infestation affected the City of Darien. The following exercise demonstrates the cost of removal, restoration and replacement costs.

Column B - Row 31-38 *Removal Costs* Identifies 5 tree sections. The City is broken down into 5 quadrants for tree maintenance programs.

Column C - Rows 31-38 Identifies the Total No of Ash Trees per section

Column D - Rows 31-38 Identifies the *Total Tree Diameter Inches* (Diameter By Height-DBH) of ash trees per section. The measurement is based on a window survey and limited ash trees have been field measured.

Column E - Rows 31-38 Identifies the *Removal Cost* based upon a current contract unit price of \$30.00 per inch.

Column F - Rows 31-38 Identifies the *Stump Grinding Cost* based upon a current contract unit price of \$90.00 per stump.

Column G - Rows 31-38 Identifies the *Landscaping Restoration Cost* as lump sum cost of \$50.00 per location.

Column H - Rows 31-38 Identifies the Replacement Cost for a 4-inch Caliper Tree at a unit cost of \$350.00 per location.

Column I - Rows 31-38 Identifies the *Total Replacement Cost* for each section.

Column J - Rows 31-38 Identifies the 5 Year Total Replacement Cost based on a yearly cost.

The next item provides program Outsourcing costs of the 3 cycles based on the existing inventory. Again, each cycle is completed once every two years. Below is the breakdown of the spreadsheet.

Column B - Rows 40-47 *Inventory* Identifies 5 tree sections. The City is broken down into 5 quadrants for tree maintenance programs.

Column C - Rows 40-47 Identifies the No of Ash Trees per section

Column D - Rows 40-47 Identifies the *Total Tree Diameter Inches* (Diameter By Height-DBH) of ash trees per section. The measurement is based on a window survey and limited ash trees have been field measured.

Column E - Rows 40-47 Identifies the Treatment Cost per section

Column F - Rows 40-47 Identifies the Cycle One Cost 2012/13

Column G - Rows 40-47 Identifies the Cycle Two Cost 2014/15

Column H - Rows 40-47 Identifies the Cycle Three Cost 2016/17

Column I - Row 47 Identifies the Total Outsourced Program Cost over the life of the program.

A	В	С	D	E	F	G	Н	T 1	J	K
2	Inventory	Total No of Trees	No of Ash Trees	Difference (Other Tree Species)	Percentage of Ash Trees to	Total Tree Diameter Inches (DBH) (Average is 20 inch DBH)	Tree-Age Chemical- Application Rate 48.2 Milliliters Per Inch	Cost Per Liter	Arbor Plugs - 9 Per Tree	Plug Costs
3							5,40			\$ 0,45
4	Section No 1	1594	20	1574	1.25%	400,00	2,160,00	S 1,067.04	\$ 180.00	\$ 81.00
5	Section No 2	1869	631	1238	33.76%	12,620.00		\$ 33,665.11		S 2,555.55
6	Section No 3	1577	507	1070	32,15%	10,140.00	54,756,00	\$ 27,049.46	\$ 4,563.00	\$ 2,053.35
7	Section No 4	1994	659	1335	33.05%	13,180.00	71,172.00	\$ 35,158.97	\$ 5,931.00	\$ 2,668.95
8	Section No 5	1922	796	1126	41.42%	15,920.00	85,968.00	S 42,468.19	\$ 7,164.00	\$ 3,223.80
9	Totals	8956	2613	6343	29.18%	52,260.00	282,204.00	\$ 139,408.78	S 23,517.00	S 10,582,65
10	Liters Required						282,20			
11	Equipment Costs	Quantity	Unit Cost	Total Cost						
12	Arborjet Hydraulic Kit	1	\$ 2,900.00	\$ 2,900.00						
13	Secondary Air Pack	1	\$ 255.00	S 255.00						
14	Arborjet Viper Needle (2 Pack)	1	\$ 28.45	S 28,45						
15	Clean-Jet Cleaner	12	\$ 7.92	\$ 95,04						
16	Total Equipment Cost			S 3,278.49	No of Wester Wester	No of Working Days				
17	Workforce Summary	No of Trees	Hours Per Tree	Total Hours Required	No of Working Weeks Required	No of Working Days Required				
18	City Arborist	2613	0.5	1306.5	32,6625	163.31				
19	Labor-Temp	No of Temp Help	Total Hours Required	Rate of Pay	Unit	Total Cost				
20	Temporary Helper	1	1306.5	·	Hourly	26,130.00				
21	Proposed In House program	1				22,122,132				
22	Cost Summary for 2013-2019	Cycle 1-Year 1 2013	Cycle 2 - Year 3 2015	Cycle 3 - Year 5 2017	Total Program Cost	YEAR 2019				
23	Insecticide	S 139,408.78	\$ 139,408.78	\$ 139,408,78		TO DE DETERMINED				
24	Plugs	10582,65	\$ 10,582.65	\$ 10,582.65	\$ 31,747.95					
25	Equipment	\$ 3,278.49	S -	s -	s 3,278.49					
26	Labor-Temporary Help	S 26,130.00	S 26,130.00	S 26,130.00	s 78,390.00					
27	Cost	\$ 179,399.92	S 176,121.43	S 176,121.43	\$ 531,642.77					
28	Cost benefit of Ash Trees	No of Trees	Cost Benefit Per Tree	Total Cost Benefit						
29	See Supporting Documentation	2,613,00	S 185,00	S 483,405.00						
30	В	С	D	E	F	G	Н	I	J	K
			Total Tree Diameter							
31	Removal Costs	No of Ash Trees	Inches (DBH) (Average is 20 inch DBH)	Removal Cost	Stump Grinding Cost	Restoration Cost	Replacement Cost 4-inch Calliper	Total Replacement Cost	5 Year Replacement Cost Cost per Year	
32	Actional Costs	110 01 7201 11003	20 men 19911)	\$ 30.00			· ·	Tutal Replacement Cost	Cust per rear	1
	Section No 1	20	400,00				ľ	S 21,800.00	\$ 4,360.00	- -
34	Section No 2	631	12,620.00				i			1
35	Section No 3	507	10,140.00				\$ 177,450.00		i	1
36	Section No 4	659					ĺ			1
37	Section No 5	796			\$ 71,640.00		\$ 278,600.00			
38	Totnis	2613					ì		i	
39	OUTSOURCED COSTS									
			Total Tree Diameter							
40	Inventory	No of Ash T	Inches (DBH) (Average is	Transissasi Cari	Custo Com 2012 Com	Conta Time 2015 Cime	Cuelo These 2017 Cont	Tatal Decourse Cont		
41	inventory	No of Ash Trees	20 inch DBH)	Treatment Cost	Cycle One 2013 Cost	Cycle Two 2015 Cost	Cycle Three 2017 Cost	Total Program Cost	1	
42	Section No 1	20	100	\$ 5,50	\$ 2,200.00	\$ 5,50			1	
43	Section No 2	631	400 12,620	i			1		1	
44	Section No 3	507			1				†	
	Section No 4	659							1	
46	Section No 5	796			1				1	
	Totals	2613			S 287,430.00			\$ 862,290.00		
	I	1010	52200	<u> </u>		1 - #01440000	1 - 2019-100	1	<u>l</u>	

Attachment B sec I Hirufale South HS Conter Darien - Gower West Woodridge T D 274 Jeans ES

Tree Inm Sections

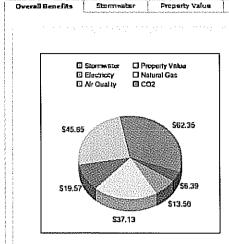


Home

Calculate another tree

National Tree Benefit Calculator

Beta



Breakdown of your tree's benefits Click on one of the tabs above for more detail This 20 inch Ash provides overall benefits of: \$185 every year.

Fbaut the madel

While some functional benefits of trees are well documented, others are difficult to quantify (e.g., human social and communal health). Trees' specific geography, climate, and interactions with humans and infrastructure is highly variable and makes precise calculations that much more difficult. Given these complexities, the results presented here should be considered initial approximations—a general accounting of the benefits produced by urban street-side plantings.

Benefits of trees do not account for the costs associated with trees' long-term care and maintenance.

if this tree is cared for and grows to 25 inches, it will provide **\$219** in annual benefits.



Ash Fraxinus spades



The National Tree Benefit Calculator was conceived and developed by Casey Trees and Davey Tree Expert Co.

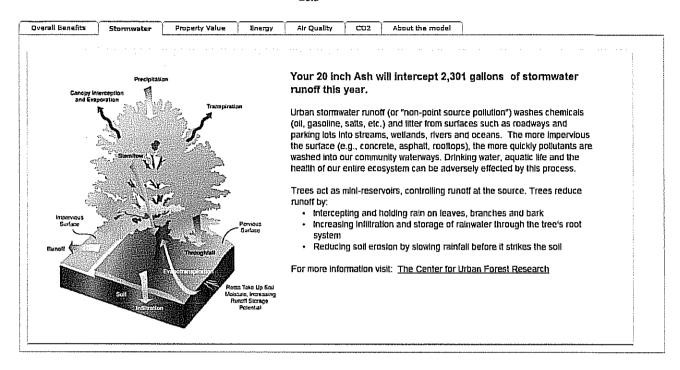




iome Calculate another tree

National Tree Benefit Calculator

Beta





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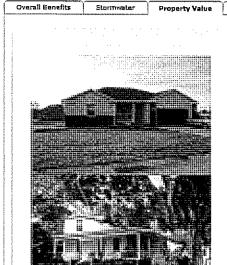


Home Calculate another tree

National Tree Benefit Calculator

Beta

Air Quality



A series of the control

Located in front of a single family home, this 20 inch Ash will raise the property value by \$46\$ this year.

About the model

Trees in front of single family homes have a greater property value benefit than those in front of multi-family homes, parks or commercial properties. Real estate agents have long known that trees can increase the "curb appeal" of properties thereby increasing sale prices. Research has verified this by showing that home buyers are willing to pay more for properties with ample versus few or no trees.

This model uses a tree's Leaf Surface Area (LSA) to determine increases in property values. That's a researcher's way of saying that a home with more trees (and more LSA) tends to have a higher value than one with fewer trees (and lower LSA). The values shown are annual and accumulate incrementally over time because each tree typically adds more leaf surface area each growing season. The amount of that increase depends on the type of tree – some add more, some less.

The 20 inch Ash you selected will add 190 square feet of LSA this year. In subsequent years it will add more, and the property value will increase accordingly.

For more information visit: The Center for Urban Forest Research



The National Tree Benefit Calculator was conceived and developed by Casey Trees and <u>Davey Tree Expert Co.</u>

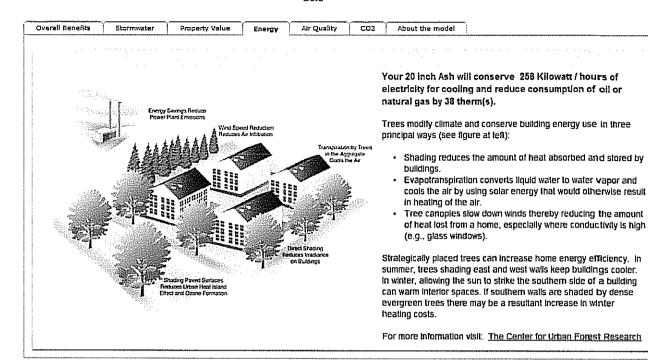




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National Tree Benefit Calculator

Beta





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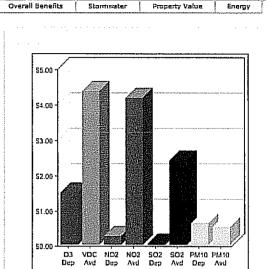


Home Calculate another tree

National Tree Benefit Calculator

Beta

Air Quality



"Dep" stands for deposition. This is your tree absorbing or intercepting pollutants. "Avd" stands for avoided. This is your tree lessening the need for creation of these pollutants in the first place by reducing energy production needs.

Air quality benefits of your 20 inch Ash shown in the graph at left.

About the model

Air pollution is a serious health threat that causes asthma, coughing, headaches, respiratory and heart disease, and cancer. Over 150 million people live in areas where ozone levels violate federal air quality standards; more than 100 million people are impacted when dust and other particulate levels are considered "unhealthy." We now know that the urban forest can mitigate the health effects of pollution by:

- Absorbing poliulants like ozone, nitrogen dioxide and sulfur dioxide through leaves
- · Intercepting particulate matter like dust, ash and smoke
- · Releasing oxygen through photosynthesis
- Lowering air temperatures which reduces the production of ozone
- · Reducing energy use and subsequent pollutant emissions from power plants

It should be noted that trees themselves emit biogenic volatile organic compounds (BVOCs) which can contribute to ground-level ozone production. This may negate the positive impact the tree has on ozone miligation for some high emitting species (e.g. Willow Oak or Sweetgum). However, the sum total of the tree's environmental benefits always trumps this negative.

For more information visit: The Center for Urban Forest Research



The National Tree Benefit Calculator was conceived and developed by Casey Trees and Davey Tree Expert Co.

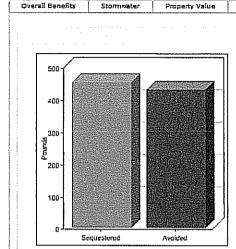




Hame Calculate another tree

National Tree Benefit Calculator

Air Quality



This year your 20 inch Ash tree will reduce atmospheric carbon by 887 pounds.

About the model

How significant is this number? Most car owners of an "average" car (mid-sized sedan) drive 12,000 miles generating about 11,000 pounds of CO2 every year. A flight from New York to Los Angeles adds 1,400 pounds of CO2 per passenger. Trees can have an Impact by reducing atmospheric carbon in two primary ways (see figure at left):

- They sequester ("lock up") CO2 in their roots, trunks, stems and leaves while they grow, and in wood products after they are harvested.
- Trees near buildings can reduce healing and air conditioning demands, thereby reducing emissions associated with power production.

Combating climate change will take a worldwide, multifaceted approach, but by planting a tree in a strategic location, driving fewer miles, or replacing business trips with conference calls, it's easy to see how we can each reduce our individual carbon "toolprints,"

For more Information visit: The Center for Urban Forest Research



The Netional Tree Benefit Calculator was conceived end developed by Casey Trees and Davey Tree Expart Co.





ome Calculate another tree

National Tree Benefit Calculator

Beta

Overall Benefits Stormwater Property Value Energy Air Quality CO2 About the model

The Tree Benefit Calculator allows anyone to calculate a first-order approximation of the benefits individual street-side trees provide. This tool is based on https://example.com/lines/street-size, with minimal inputs of location, species and tree size, users will get an understanding of the environmental and economic value trees provide on an annual basis.

The Tree Benefit Calculator is intended to be simple and accessible. As such, this tool should be considered a starting point for understanding trees' value in the community rather than a scientific accounting of precise values. For more detailed information on urban and community forest assessments, visit the <u>I-Tree</u> website.

Credits:

- The National Tree Benefit Calculator was conceived and developed by <u>Casey Trees</u> and <u>Davey Tree Expert Co.</u>
- This tool is powered by I-Tree; the data generating the results comes from the I-Tree Tools CD ROM: http://www.ltreetools.org/
- Significant text and graphical content was originally published by the USDA Forest Service's Center for Urban Forest Research through their <u>Tree Guide</u> series of publications. Credit should be given to authors of these publications.
- Facts about personal carbon production based on driving and flying courtesy of Conservation International
- For questions about this tool, contact <u>Mike Alonzo</u> (Casey Trees) or <u>Scott Maco</u> (Davey Tree Expert Co.)



The National Tree Benefit Calculator was conceived and developed by Casev Trees and Davey Tree Expert Co.





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Multiple-year Protection of Ash Trees from Emerald Ash Borer with a Single Trunk Injection of Emamectin Benzoate, and Single-year Protection with an Imidacloprid Basal Drench

David R. Smilley, Joseph J. Doccola, and David L. Cox

Abstract. Green ash (Fraxinus penusylvanica Marsh.) street trees ranging in size from 25 to 45 cm dbh were trunk injected with anomactin benzonte at rates of 0.10–0.60 g ai/2.54 cm dbh at three Michigan, U.S., locations in 2005 or 2006. Tree health was monitored by annual canopy thinning and dieback ratings for up to four years after a single treatment. Branch samples were collected in the autumn and the bark removed to count emerald ash borer larvae for most treatments over the same period of time. A single trunk injection treatment of emancetin benzonte at the 0.1, 0.2, or 0.4 g ai rate gave 100% control of emerald ash borer larvae in 98 of 99 treated trees for 2–3 years. Conopy ratings for treated trees remained similar for 2–4 years following trunk injection, while >50% of the control trees died during the same period of time. Ash trees that received a combination of an imidaeloprid trunk injection and an imidaeloprid basal drench and similar conopy ratings, but more larvae were found in branches from trees receiving the annual basal drench. Key Words. Agrilus plantpennix; Ash; Emerald Ash Borer, Emancetin Benzonte; Fraxinus; Trunk Injection.

Emerald ash borer (EAB), Agrilus planipennis Fairmaire (Coleoptera: Buprestidae) is native to China, Korea, Taiwan, Japan, Russia, and Mongolia (Haack et al. 2002; Bray et al. 2007). It was first discovered in North America in 2002 after urban ash trees near Detroit, Michigan, U.S., were observed to decline and die at an unprecedented rate (Cappaert et al. 2005; Smitley et al. 2008). As of March 2010, EAB has been found in 13 U.S. states (Michigan, Ohio, Indiana, Illinois, Pennsylvania, Kentucky, Wisconsin, West Virginia, Maryland, Virginia, Missouri, Minnesota, and New York), and two Canadian provinces (Ontario and Québec) (USDA 2010). Unfortunately, EAB is causing nearly 100% mortality of ash (Fraxinus spp.) trees in any growing environment unless they are treated with efficucious insecticides (Cappaert et al. 2005; Poland and McCullough 2006; Smitley et al. 2008). As EAB continues to spread, an increasing number of municipalities and private property owners face difficult decisions about the removal of ash trees or investment in insecticide treatment of selected trees. Trunk injections of imidacloprid or emameetin benzonte, and basal soil applications of imidacloprid were adequately efficacious against emerald ash borer when applied every year, but little information is available on more than one year of control following a single treatment (Cappaert et al. 2005; Herms et al. 2009; Smitley et al. 2010). Up until this time, very few private property owners and a small proportion of municipalities have chosen to treat ash shade trees with insecticides, most likely because they believe insecticide treatments are more expensive than tree removal, or are not reliable for saving ash trees. During the past five years, trunk injections of emamectin benzoate have dramatically changed the cost/benefit analysis for treating ash trees to protect them from EAB. Data presented in this paper detail extremely efficacious and consistent protection

over multiple years from a single application. This results in a lower annual cost than previous treatments, less injury to trees, and improved environmental safety because all of the insecticide is contained within the tree, with the exception of any residue that may be found in shed leaves (Kreutzweiser et al. 2008).

MATERIALS AND METHODS

Trunk injection of emamectin benzoate was evaluated for control of EAB larvae for 2-4 years following a single treatment of green ash (Fraxinus pennsylvanica Marsh.) street trees at three locations: Troy, East Lansing, and Adrian, Michigan. Emamectia benzonte treatments were compared with a control (nontrented) treatment at each location, and also with a standard treatment (imidacloprid trunk injection plus imidacloprid basal soil dreach) at the Adrian site. Efficacy against EAB larvae was determined by collecting branch samples each autumn and removing the bark to count larvae and new galleries. Branches were pruned from the upper one-third of the tree canopy between September 15 and November 4 each year. Three branches, at least 1.0 m long and with a diameter between 4 and 12 cm, were removed from each tree by city arborists using a bucket truck, while additional crew provided assistance from the ground. Branches in this size range were chosen because in previous surveys the greatest density of EAB larvae was found in branches with a diameter of 8-12 cm (Marshall et al. 2009). All of the trees in this study were healthy at the start of testing, dead branches were rarely encountered with the exception of the control trees. When the canopy thinning of control trees exceeded 65% in July, some branches of these trees were found to be entirely dead during branch sampling in autumn. In September and early October, dead branches were

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avoided by only sampling branches with live leaves. In late October or early November, after leaf abscission, dead branches in control trees were avoided by scraping a patch of bark before cutting a branch to make sure it was alive. In some cases when it was not possible to find three live branches, only one or two branches were sampled. If no live branches were found then the tree was excluded from branch sampling and the number of replications was reduced accordingly. The first live branch found in the upper one-third canopy with a diameter of 4-12 cm was removed, and the remaining two branches were chosen to be as far away as possible from the first branch, and from each other, to maintain canopy balance. Bark splits and emergence holes were not considered in branch sampling. Branch samples were dropped to the ground where side branches and twigs were removed.

The branches were bundled and labeled for transport to Michigan State University's Entomology Field Research Farm in East Lansing for processing. When branches were processed, a 0.65 m-long section in the center of each branch was marked for scraping. The circumference of each branch was recorded at both ends of the scraped area. Surface area of each branch sample was determined by averaging the circumference of both ends, and using the formula for the surface area of a cylinder (L2wR). EAB galleries and larvae were counted after clamping branch sections between the ends of a modified saw-horse and removing the bark with a drawknife and chisel. Branch samples were processed in a heated shed at the Entomology Field Research Farm. Annual canopy thinning and dieback ratings were made in July each year by comparing the canopy of each tree with photographs in various stages of decline from 0% (healthy) to 100% (dead) in 10% increments (Smitley et al. 2008). Each tree was rated by two or three individuals and averaged across observations to obtain an annual defoliation rating. When study trees were rated at >90% canopy thinning and dieback in July, they were excluded from branch sampling, and the trees were removed by the city during the winter.

Treatment means were compared at each test site using the general linear models procedure (PROC GLM) of SAS 9.1 (SAS 2003). Levene's test was used as part of the GLM procedure to test for homogeneity of variance. Percent data were transformed to arcsine square root (x) before analysis. Means were separated at the P=0.05 level using Tukey's option in the MEANS statement. This performs a Tukey's studentized range test (HSD) when group sizes are equal and a Tukey-Kramer test when group sizes are unequal (SAS 2003).

Troy Site 2005-2006

Street trees in a neighborhood in the northern part of Troy, MI, were used for this test. These trees were between 12 and 26-years-old and ranged in size from 18-61 cm diameter at breast height (dbh). The mean dbh was 35.6 cm. Trees in this test were planted and maintained by the City of Troy. The trees were located between the street and the sidewalk, and were spaced a minimum 15 m apart and in no case did they overlap. Tree trunks were measured and marked with a metal tag during the final two weeks of April 2005. Lawns in the neighborhood were well-maintained and received natural rainfall, but very few were irrigated. Trees were grouped into 10 blocks of six trees based on location in the neighborhood. Each treatment was replicated 10 times with each replicate consisting of an individual tree. The treatments at this site consisted of five rates (0.10, 0.20, 0.40, 0.48, and 0.60)

g ai/2.54 cm dbh) of emamectin benzoate formulated by Arborjet, Inc. (Woburn, MA, U.S.) and Syngenta Crop Protection, Inc. (Greensboro, NC, U.S.) as a 4.0 % ME. All trees receiving an emamectin treatment were trunk-injected on May 25, 2005 using the Arborjet Tree IV" system. The formulated insecticide was diluted 1:1 with water and put into a bottle pressurized to 3.16 kg/cm² before being injected through four evenly spaced sites on the lower trunk of each test tree. All treated trees received a single trunk injection treatment on May 25, 2005, with the exception of trees receiving the 0.1 g ai/2.54 cm rate, which were injected again May 23, 2006, at the same rate. Control trees were not injected or treated with any insecticide. Canopy thinning and dieback ratings were made for each tree on June 27, 2005, and June 15, 2006, as previously described. Upper branches were sampled using a bucket truck in October 2005, and the burk scraped as described.

East Lansing Site, 2005–2009

Green ash street trees in East Lansing, MI, between 14 and 28-years-old with a trunk diameter between 25 and 61 cm (mean = 35.6 cm) were maintained by the City of East Lansing. Trees were located between the street and the sidewalk in seven different neighborhoods and spaced a minimum of 15 m apart to prevent canopy overlap. Tree trunks were measured and marked with a metal tag during the first week of August 2005. Study trees were located in well-maintained lawns, but very few were irrigated. Treatments were replicated 10 times with individual tree replicates. A description of each of the four treatments in this test follows, including the formulation, type of application, rate, and application date.

(1) TREE-lige (emamectin benzoate, Syngenta Crop Protection, Inc.) was applied once at 10 ml/2.54 cm dbh (0.4 g ai) on September 27, 2005. To apply using the Arborjet Tree IV system, emamectin benzoate was diluted 1:1 with water and the solution was placed into a single pressurized 3.16 kg/cm2 bottle connected to four injection needles. At four evenly-spaced distances around the trunk at a beight of 20-40 cm above the ground, four boles were drilled into the supwood and a plastic septum (Arborjet #4 plug) was inserted, through which needles were placed for injection. (2) Emamectin benzoate was applied once in spring 2007 at 2.5 ml/2.54 cm (0.1 g ai) dbh. Trunk injections were made with the Arborjet QUIK-jet" micro-injector. The number of injection sites was determined by the formula: trunk cm dbh/5.08. Undiluted emamectin benzonte was injected in equal amounts through plastic septa. A rate of 0.1 g ai/2.54 cm dbh was injected on May 21, 2007. (3) Emamectin benzoate was trunk injected in spring 2007 at 5 ml/2.54 cm dbh (0.2 g ai). Injections were made once on May 21, 2007 with the micro-injector as previously described. One tree was dropped from the test after the first year because the homeowner applied an additional insecticide treatment. (4) Control treatment, these trees were not treated.

Annually in early July, and as previously described, canopy thinning and dieback ratings were made for each tree. When branch sampling was included, the branches were pruned from the upper one-third of the tree canopy between September 19 and 26, 2006, October 8 and 12, 2007, or November 4 and 10, 2008. Branches were collected, the bark removed, and EAB larvae counted as previously described.

Adrian Site, 2006-2009

Green ash street trees in Adrian, MI, between 14 and 28-years-old and from 15-65 cm dbh (mean dbh = 43 cm in 2008), were selected for this test. Test trees were located between the street and the sidewalk in five different neighborhoods. All of the green ash street trees in these neighborhoods were used in the study if they had at least a 15 cm dbh, appeared to be relatively healthy (less than 25% canopy thinning and dieback in September 2005), and were spaced at least 15 m apart. Tree trunks were measured and marked with a metal tag during the first week of September 2005. Study trees were located in low-maintenance lawns, and very few were irrigated. Each treatment was replicated 10 times with each replicate consisting of an individual tree. Four insecticide treatments and two control treatments were evaluated from June 2006 to July 2009. A description of each treatment follows, including the formulation, type of application, rate, and application date.

(1) Emamectin benzoate was applied once at 10 ml/2.54 cm dbh (0.4 g ai) on June 22, 2006. Trunk injections were made as previously described in the East Lansing test. (2) Emamectin benzoate, trunk injected as described in treatment (1). The only difference among these two treatments is that branch samples were collected and scraped to count larvae for treatment (1) but not for treatment (2).

Unlike the previous two studies sites, (3) Imidacloprid 75 WP, was applied as a basal drench at a rate of 1.42 g ai/2.54 cm dbh. Annual treatments consisted of the appropriate amount of imidacloprid mixed in 5.7 l of water and poured around the base of the tree within 70 cm of the trunk on June 27, 2006, May 24, 2007, and June 3, 2008. (4) Imidacloprid 5% SL, formulated by Arborjet and Bayer, was trunk-injected using the Arborjet Tree IV system at a rate of 0.2 g ai/2.54 cm trunk dbh. The formulated insecticide was diluted 1:1 with water and put into a bottle pressurized to 3.16 kg/cm² before being injected through four sites on the lower trunk of each test tree on June 22, 2006. In addition, trees in treatment (4) also received an imidacloprid basal drench at a rate of 1.42 g ai/2.54 cm dbh on June 6, 2007, and June 10, 2008. Trees in treatments (5) and (6) were left as untreated controls.

Canopy thinning and dieback ratings were made for each tree in early July of each year as previously described. Upper branches from trees in three treatments were collected between October 15 and 19, 2007. The bark was removed and EAB larvae counted as previously described.

RESULTS

Results from all three locations indicate a single trunk injection treatment of ash trees up to 45 cm dbh in size, made in May or June with emamectin benzoate at 0.1-0.4 g ai/2.54 cm dbh consistently gives nearly 100% control of EAB larvae even under intense pressure from EAB. Control trees declined rapidly at test sites due to EAB infestation, going from canopy thinning ratings of 19% to 54% in one year at Troy, 15% to 58% in four years at East Lansing, and from 15% to 87% in three years at Adrian, while canopy thinning ratings for asb trees that were trunk-injected with emamectin remained similar throughout the test period.

The death and removal of some trees decreased the number of replications in the third and fourth year of this study at the East Lansing and Adrian sites. Two trees at the Troy site and one tree at each of the East Lansing and Adrian sites were prematurely removed by city arborists during the winter by mistake. The av-

erage area of bark sampled per tree was 1067 cm², and ranged from 691 cm² to 3,741 cm², depending on the size of the tree.

Troy Site, 2005-2006

Green ash street trees in Troy were of a uniform size at the beginning of the test in June 2005 (29,2–30.5 \pm 6.5 cm dbh) (Table 1). Initial tree health ratings as measured by canopy thinning were also similar, with no differences among treatments with the exception of trees receiving the highest rate of emamedin benzonte. Ash trees in that treatment started the test in June 2005 with a significantly higher level of canopy thinning (41.5 \pm 26.0%) compared with control trees (19.0 \pm 14.7%). This happened despite a random assignment of trees to treatments.

All rates of emamectin benzoate (0.1~0.6 g ai/2.54 cm dbh) were extremely effective when applied as a trunk injection in late May 2005. No larvae were found in any of the branch samples (30 branch sections per treatment) collected in October 2005, despite evidence of a moderate level of EAB tunneling injury from the year before (11.2 old galleries/m²) and intense pressure from EAB in 2005 (59.2 live larvae/m² in control trees). Complete protection of asb trees from the trunk injections of emamectin at all tested rates in May 2005 was expressed the following summer (July 2006) in canopy thinning ratings that were as good or better than the initial ratings in June 2005 (16.7%-34.3% canopy thinning). Meanwhile, control trees declined rapidly in response to the extensive damage caused by 59.2 larvae/m², deteriorating to a mean rating of 59.2% canopy thinning and dieback in June 2006 (Table 1).

East Lansing Site, 2005–2009

Trees in the East Lansing site were of similar in size (28-38 \pm 10 cm dbh) as those evaluated in Troy, but trunk injection treatments were initiated at an earlier stage of EAB infestation. when trees were still in excellent bealth based on average ratings of 7% to 17% canopy thinning (Table 2). EAB density increased four-fold in control trees from autumn 2007 to autumn 2008, going from 6.9±9.4 to 28.7±21.5 larvae/m², respectively. In stark contrast, no larvae were found in branch samples collected from trees that were trunk injected with emamectin benzoate three years earlier at a rate of 0.4 g al/2.54 cm in September 2005. The same trees continued looking healthy through August 2009, when they were rated as baving $13.8 \pm 14.1\%$ canopy thinning, compared to a mean rating of 58.1 ± 33.2% for control trees (Table 2). Emameetin trunk injections made in May 2007 at the 0.1 or 0.2 g ai/2,54 cm dbh rate also provided excellent protection, with no EAB larvae being found in branches collected from treated trees in October 2007 or October 2008.

Adrian Site, 2006-2009

Green ash street trees in all treatments were healthy at the beginning of the test in July 2006 (14.2%–16% canopy thinning, Table 3). Trees in the two control treatments remained healthy in 2007 (10.3%–12% canopy thinning), but declined rapidly in 2008 (58.3%–64 % canopy thinning and dieback) in response to intense pressure from EAB. Nearly all the ash trees in both control treatments were dead by July 2009 (84.6%–89.5% canopy thinning and dieback). During the same time period (2006–2009), trees that were trunk-injected with emameetin benzoate at 0.4 g ai/2.54 cm dbh in June 2006 remained healthy (Table 3). Trees

receiving an annual basal drench of imidacloprid or a combination of imidacloprid basal drenches and an imidacloprid trunk injection also remained healthy during the test. Canopy ratings made in July 2009 and branch samples in October 2008 indicate ash trees receiving a single trunk injection of emamectin benzonte were well-protected for at least two years. Some EAB larvae were found in branch samples from one emamectintrented tree in October 2007, but no larvae were found in any samples from emamectin treated trees in October 2008 (Table 3).

DISCUSSION

The authors of the study did not determine how important adult mortality was compared with larval mortality for trunkinjected trees in this study. However, when the bark was removed from branches in September and October live larvae in the emamectin-treated trees were not found, while dead EAB larvae were rarely found, suggesting that adult mortality, reduced egglaying, and mortality of young larvae are the most likely mechanisms of EAB control. Also, no EAB larvae were located

in emamectin-treated trees, even when the trees were surrounded by heavily infested ash (28-45 EAB larvae/m²). It is likely that under these conditions some EAB females would fly from surrounding ash to deposit eggs on the study trees, yet no larvae in the emamectin treated trees were found. This suggests emamectin is toxic to EAB larvae that tunnel into treated trees.

Trunk injections of emamactin benzoate reduced the density of EAB larvae found in treated trees by nearly 100% compared with control trees at all three sites. In the longest-running test at the East Lansing site, a single trunk injection of emamactin benzoate at the 0.4 g ai/2.54 cm dbh rate applied to ash trees with a 41 cm dbh gave 100% control of EAB larvae for three years. This suggests ash trees of this size could be adequately protected by making a trunk injection treatment at the 0.4 g ai rate once every three or four years. Our results also showed trunk injections at the 0.1 or 0.2 g ai/per 2.54 cm dbh rate gave excellent protection of 38 cm dbh trees for two years. Ash trees could be protected with trunk injections made at the 0.1g ai rate once every two years. This is half the amount of ai that would be required to treat trees once every four years at the 0.4 ai rate.

Table 1. Troy, Michigan: emerald ash borer larval density in green ash street trees and canopy thinning ratings of the same trees for 1.5 years after trunk injection at emamechin benzoate at rates of 0.10–0.60 g al/2.54 cm dbh. Data are means \pm SD. Each treatment has 10 replications unless indicated otherwise under mean \pm SD as (n).

Treatment	Treatment Dates	2005 र्विभे (टाप)	2005 Canopy thinning (%)	2005 Larvae per m²	2006 Canopy thirming (是)
Emamentin 0.10 g/2.54 cm dbh	5-25-05 + 5-23-06	30.0 ± 3.6	16.5 ± 13.4 A	0 ± 0 A	16.7 ± 8.8
Emamectin 0.20 g/2.54 cm dbh	5-25-05	30.0 ± 3.6	25.0 ± 11.1 AB	0 ± 0 A	26.7 ± 25.0
Emanectin 0.40 g/2.54 cm dbh	5-25-05	30.5 ± 5.8	30.8 ± 22.1 AB	0 ± 0 A	28.2 ± 27.9
Emamectia 0.48 g/2.54 cm dbh	5-25-05	26.4 ± 6.4	26.8 ± 13.2 AB	0±0A	21.0 ± 14.5
Emamectin 0.60 g/2.54 cm dbh	5-25-05	30.4 ± 6.5	41.5 ± 26.0 B	0 ± 0 A	34.3 ± 40.2 (9)
Control	<u> </u>	29.6 ± 4.8	19.0 ± 14.7 A	59.2 ± 72.0 B	54_3 ± 33,9 (9)

Means followed by the same letter are not significantly different at P = 0.05, by the Tukey-Kramer test.

Table 2. East Lansing, Michigan: emerald ash borer larval density in green ash street trees and canopy thinning ratings of the same frees for one to three years after a single trunk injection of emamedin benzoate at a rate of 0.4 g al/ inch dbh on September 27, 2005, or at 0.2 or 0.1 al/2.54 cm dbh on May 21, 2007. Data are means \pm SD. Each treatment has 10 replications unless indicated otherwise under the mean \pm SD by (n).

Treatment	Treatment Dates	2006 dbh (cm)	2006 canapy Thinning (%)	2007 canopy thinning	2007 Larvae per m³	2008 ക്കേര്വാ Thinning (%)	2008 Jarvee per m³	2009 canapy thinning (%)
Emamectin trunk injection 0.4 g ai/inch dbh	Sept. 2005	29.9 ± 11.4	7.3 ± 8.9	12.8 ± 14.8	0±0A	19.3 ± 17.9A	0±0A	13.8 ± 14 A
Emumectin trunk injection 0.2 g ai/inch dbh	May 2007	29.2 ± 4.1	11.B±1.6	17.3 ± 13.5 (9)	0±0 A (9)	12.8 ± 8.8 A (9)	0±0A(9)	13.1 ± 13.3 A (9)
Emamectin trunk injection O.I g ai/inch dbh	Миу 2007	38,2 ± 7.3	17.0 ± 10.5	11.4 ± 15.9	0±0A	29.8 ± 29.4 A	0 ± 0 A (6)	10.4 ± 9.1 A (7)
Control	<u>-</u>	28.7 ± 10.6	16.0 ± 21.0	28.5 ± 27.9	6.9 ± 9.4 B	51.3 ± 30.2 B	28.7 ± 21.5 B	58.1 ± 33.2 B

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Table 3. Addian, Michigan: emeraid ash barer larval density in green ash street trees and canopy thinning ratings of the same trees for 3–4 years after a single trunk injection of emamectin benzaate on June 22, 2006. Data are means \pm SD. Each treatment has 10 replications unless shown under the mean \pm SD as (n).

Treatment	Treatment dates	2008 dbh (cm)	२००६ टकाору thinning (%)	2007 canopy thinning (%)	2007 larvne per m²	2008 canopy thioning (%)	2008 larvae per m²	2009 canopy thianing (%)
Emaineciln trunk injection 0.4 g ei/inch dbh	June 2006	45.D ± 8.1 A*	14.4±3,1 A	11.I ± 6.0 A	_	12.3 ± 10.4 A		7.2 ± 6,7 A
Emumestin trunk injection Q.4 g ni/inch dbh	June 2006	43.I ± 12.2A	16.0±5.0 A	11.6 ± 6.5 A	2.4 ± 7.1 A	13.0 ± 12.7 A (9)	0±0A(9)	20.0 ± 8.0 A
lmiducloprid trunk injection + sail imidacloprid	June 2007 + June 2007, 2008	38.4 ± 9,8 A	14.9 ± 3.6 A	12.0 ± 4.9 A	-	13.5 ± 12.0 A	•	23.9 ± 10.1 A
Soil imidacloprid	June 2006, 2007, 2008	39.6 ± 15.0 A	14.2 ± 5.7 A	$8.4 \pm 4.0 \text{ A}$	3.6 ± 6.8 A	33.0 ± 25.8 AB	5.7 ± 5.6 AB (4)	30.3 ± 22.0 A
Control I	-	43.4 ± 16.9 A	-	12.0 ± 15.1 A	-	58.3 ± 26.5 BC	23.6 ± 39.4 B (8)	89.5 ± 13.4 B
Control 2	-	44.7 ± 11.2 A	15.6 ± 5.4 A	10.3 ± 7.0 A	6.2 ± 6.6 A	64.0 ± 29.3 C	27.7 ± 28.9 B (7)	84.6 ± 12.0 B

^{*} Means followed by the same letter are not significantly different at P = 0.05, by the Tukey-Kramer test.

Ash trees receiving an annual basal drench of imidacloprid or a combination of an imidacloprid basal drench and an imidacloprid trunk injection also appeared healthy as determined by canopy thinning ratings at the end of the Adrian test, but significantly more EAB larvae (5.7 per m²) were found in imidacloprid-treated trees compared with emamectin benzoate-treated trees (0.0 per m²).

Protection of ash trees for 2-4 years following a single insecticide treatment completely changes the prognosis for ash street trees and shade trees in North America after invasion of emerald ash border. Up until this time, insecticide treatment was reserved for only the most valuable trees because of the high cost of making frequent trunk injections. The multiple-year protection documented in this study reduces the projected cost of saving ash trees by at least 50%, bringing treatments well within the range of many homeowners and some cities or other municipalities. For example, one can compare the cost of hiring an arborist to treat a 31.4 cm dbh ash tree with annual trunk injections of IMA-jet (imidacloprid) at the 8 ml/2.54 cm dbb rate, to the cost of hiring the same arborist to treat every other year or every fourth year with TREE-tige (emameetin benzoute) at the 0.4 g ai/2.54 cm dbh rate. At the time of this writing the cost of the imidacloprid insecticide to the arborist is USD \$23.92 per year, the cost of the emamectin benzoate insecticide is \$26,13 per year when treating every third year, and \$17.42 when treating every fourth year. Labor costs vary depending on the arborist, the number and size of trees being treated, and the location of the property. If one adds a labor charge of \$50,00 per treatmentvisit for the 31.4 cm dbh tree, then the total average cost per year over a three-year period would be \$73,92/year for annual imidacloprid trunk injections, \$51.13/year for emameetin benzoate injections made every third year, and \$34.09/year for emamectin benzoate injectious made every fourth year. This brings the cost of trunk injections into a much more practical range for homeowners, especially when weighed against the cost of tree removal which may be more than \$1,500 for a large tree (62.8 cm dbh). Data from Troy, East Lansing, and Adrian, MI, indicate most of the ash trees in cities along the leading edge of the contiguous EAB invasion front will perish within five years of when the first trees are found to die from EAB. This was certainly true for Troy, MI, and much of the Detroit Metropolitan area where the first ash trees began to die in 2004. By 2009 all of the ash trees were dead except ones that were protected with insecticide treatments or where young trees have sprouted from the stumps of dead ones. Sprouting ash trees and the germination of ash seed will guarantee the survival of EAB, but populations will be much smaller after the initial five to eight-year period when unprotected ash trees perish. This means the remaining ash trees will be easier to protect with insecticides.

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Résumé. Des frênes de Pennsylvanie (Fraxinus pennsylvanica Marsh.) de rue de 25 à 45 cm de DHP ont été injectés au tronc avec du benzonte d'emameetine à des taux de 0,1 à 0,6 g d'ingrédient actif par 2,54 cm de DHP, et ce au Michigan en 2005 ou 2006. La condition de santé des arbres a été suivie en regard des taux de densité de la cime et de dépérissement jusqu'à quatre uns après un traitement unique. Des échantillons de branches ont été récoltées en automne et l'écorce enlevée pour faire un décompte des larves d'agrile du frêne pour la plupart des traitements durant la même période. Une injection unique dans le tronc de benzonte d'emamectine à des toux de 0,1 ou 0,4 g d'ingrédient actif a produit un contrôle à 100% des larves d'agrile du frêne sur 98 des 99 arbres traités durant une période de 2 à 3 ans. Les cimes sont demeurées similaires chez les urbres traités durant une période de 2 à 4 ans après l'injection dans le tronc tandis que plus de 50% des urbres térmoins mouraient au cours de la même période. Les frênes qui ont reçu une combingison d'imidaeloprid par injection dans le tronc et par injection dans le sol ou par injection annuelle dans le sol avaient des cimes similaires, mais plus de larves ont été découvertes dans les branches des arbres qui recevaient des injections annuelles dans le sol.

Zusummenfessung. Grilne Eschen als Straßenbäume in der Größe von 25-45 cm Stammdurchmesser wurden im Stamm mit Emomeetin Benzout in Raten von 0,10-0,60 g ai/2,54 cm Stummdurchmesser un drei verschiedenen Stundorten in Michigan, U.S. injiziert. Die Baumgesundheit wurde überwacht durch jührliches Ausdünnen der Krone und Bewertung der Totholzbildung für bis zu 4 Jahren nach einer Behundlung. Im Herbst wurden Astproben gesammelt und bei den moisten Behandlungen auch die Rinde entfernt, um die Larven des Eschenbahrers im gleichen Zeitmum zu zühlen. Eine einzelne Stumminjektion mit Emarreetin Benzont mit Raten von 0,1, 0,2 and 0,4 g ni ergab eine 100% Kontrolle der Laryen in 98 you 99 behandelten Bßumen in 2-3 Jahren. Die Kronenbewertung bei behandelten Bilumen blieb über für 2-4 Jahre noch der Behandlung gleich, wilhrend >50% der kontrollienen Bilume im gleichen Zeitraum abstarben. Eschen, die eine Kombination aus Imidaeloprid-Stamm-Injektiun und Imidacloprid-Wurzelaufguss oder einen jührlichen imidacloprid-Wurzelaufguss erhielten, hatten Uhnliche Kronenbilder, ober es wurden mehr Lorven in Ästen von Blumen gefunden, die einen Jührlichen Imidaeloprid-Wurzelaufguss erhielten.

Resumen. Árboles de fresno (Fraximus pennsylvanica Marsh.) de turnatios de 25 a 45 cm de DAP fueron inyectados al tronco con benzoato de emumectin a tasas de 0.10 - 0.60 g/2.54 cm de DAP en tres localidades de Michigan co 2005 y 2006. Fue monitoreada la salud de los árboles por muerte descendente y aclareos de copa anuales por cuatro años después del tratumiento. Se colectoron muestras de ramas en el otoño y la corteza removida pura contar las larvas del burrenador esmeralda del fresno para los tratamientos en el mismo perfodo. Un solo tratamiento de inyección al tronco de benzonto de emameetin a una tasa de 0.1, 0.2 o 0.4 g dio 100% de control de larvas del barrenador esmeralda del fresno en 98 de 99 árboles tratodos para 2-3 años. Los estados de las copas para los árboles trutados permanecieron similares para 2-4 uños después de la inyección, mientras que >50% de los árboles tratados murió durante el mismo período de tiempo. Los fresnos que recibieron una combinación de una invección al tronco de imidacloprid y una zanja busul de imidacloprid o un tratamiento anual de zunja con imidacloprid tuvo estados de copo similares, pero se encontraron más lurvos en ramas de árboles que recibieron zanius unuales.

Insectionde Options for Protecting Ash-Tries

North Central

Center

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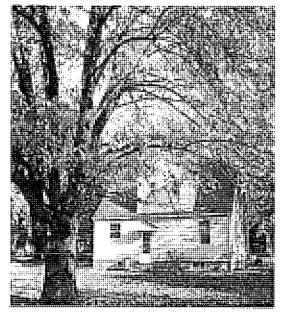








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merald ash borer (Agrilus planipennis Fairmaire), an invasive insect native to Asia, has killed tens of millions of ash frees in urban, rural and forested settings. This beetle was first discovered in 2002 in southeast Michigan and Windsor, Ontario. As of June 2009, emerald ash borer (EAB) infestations were known to be present in 12 states and two Canadian provinces. Many homeowners, arborists and tree care professionals want to protect valuable ash trees from EAB. Scientists have learned much about this insect and methods to protect ash trees since 2002. This bulletin is designed to answer frequently asked questions and provide the most current information on insecticide options for controlling EAB.

Answers to Frequently Asked Questions

What options do I have for treating my ash trees?

If you elect to treat your ash trees, there are several insecticide options available and research has shown that treatments can be effective. Keep in mind, however, that controlling insects that feed under the bark with insecticides has always been difficult. This is especially true with EAB because our native North American ash trees have little natural resistance to this pest. In university trials, some insecticide treatments were effective in

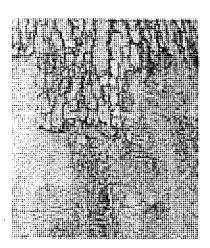
some sites, but the same treatments failed in other sites. Furthermore, in some studies conducted over multiple years, EAB densities continued to increase in individual trees despite annual treatment. Some arborists have combined treatments to increase the odds of success (e.g., combining a cover spray with a systemic treatment).

Our understanding of how EAB can be managed successfully with insecticides has increased substantially in recent years. The current state of this understanding

is detailed in the bulletin. It is important to note that research on management of EAB remains a work in progress. Scientists from universities, government agencies and companies continue to conduct intensive studies to understand how and when insecticide treatments will be most effective

I know my tree is already infested with EAB. Will insecticides still be effective?

If a tree has lost more than 50 percent of its canopy, it is probably too late to save the tree. Studies have shown that it is best to begin using insecticides while ash trees are still relatively healthy. This is because most of the insecticides used for EAB control act systemically — the insecticide must be transported within the tree. In other words, a tree must be healthy enough to carry a systemic





insecticide up the trunk and into the branches and canopy. When EAB larvae feed, their galleries injure the phloem and xylem that make up the plant's circulatory system. This interferes with the ability of the tree to transport nutrients and water, as well as insecticides. As a tree becomes more and more infested, the injury becomes more severe. Large branches or even the trunk can be girdled by the larval galleries.

Studies have also shown that if the canopy of a tree is already declining when insecticide treatments are initiated, the condition of the tree may continue to deteriorate during the first year of treatment. In many cases, the tree canopy will begin to improve in the second year of treatment. This lag in the reversal of canopy decline probably reflects the time needed for the tree to repair its vascular system after the EAB infestation has been reduced.

My ash tree looks fine but my county is quarantined for EAB. Should I start treating my tree?

Scientists have learned that ash trees with low densities of EAB often have few or no external symptoms of infestation. Therefore, if your property is within a county that has been quarantined for EAB, your ash trees are probably at risk. Similarly, if your trees are outside a quarantined county but are still within 10-15 miles of a known EAB infestation, they may be at risk. If your ash trees are more than 15 miles beyond this range, it is probably too early to begin insecticide treatments. Treatment programs that begin too early are a waste of money. Remember, however, that new EAB infestations have been discovered every year since 2002 and existing EAB populations will build and spread over time. Stay up to date with current EAB quarantine maps and related information at www. emeraldashborer.info. You can use the links in this Web site to access specific information for individual states. When an EAB infestation is detected in a state or county for the first time, it will be added to these maps. Note, however, that once an area has been quarantined, EAB surveys generally stop, and further spread of EAB in that area will not be reflected on future maps.

I realize that I will have to protect my ash trees from EAB for several years. Is it worth it?

The economics of treating ash trees with insecticides for EAB protection are complicated. Factors that can be considered include the cost of the insecticide and expense of application, the size of the trees, the likelihood of success, and potential costs of removing and replacing the trees. Until recently, insecticide products had to be applied every year. A new product that is effective for two years or even longer (emamectin benzoate) has altered the economics of treating ash trees. As research progresses, costs and methods of treating trees will continue to change and it will be important to stay up to date on treatment options.

Benefits of treating trees can be more difficult to quantify than costs. Landscape trees typically increase property values, provide shade and cooling, and contribute to the quality of life in a neighborhood. Many people are sentimental about their trees. These intangible qualities are important and should be part of any decision to invest in an EAB management program.

It is also worth noting that the size of EAB populations in a specific area will change over time. Populations initially build very slowly, but later increase rapidly as more trees become infested. As EAB populations reach their peak, many trees will decline and die within one or two years. As untreated ash trees in the area succumb, however, the local EAB population will decrease substantially. Scientists do not yet have enough experience with EAB to know what will happen over time to trees that survive the initial wave of EAB. Ash seedlings and saplings are common in forests, woodlots, and right-ofways, however, and it is unlikely that EAB will ever completely disappear from an area. That means that ash trees may always be at some risk of being attacked by EAB, but it seems reasonable to expect that treatment costs could eventually decrease as pest pressure declines after the EAB wave has passed.



Insecticide Options for Controlling EAB

Insecticides that can effectively control EAB fall into four categories: (1) systemic insecticides that are applied as soil injections or drenches; (2) systemic insecticides applied as trunk injections; (3) systemic insecticides applied as lower trunk sprays; and (4) protective cover sprays that are applied to the trunk, main branches, and (depending on the label) foliage.

Insecticide formulations and application methods that have been evaluated for control of EAB are listed in Table 1. Some are marketed for use by homeowners while others are intended for use only by professional applicators. The "active ingredient" refers to the compound in the product that is actually toxic to the insect.

Formulations included in Table 1 have been evaluated in multiple field trials conducted by the authors. Inclusion of a product in Table 1 does not imply that it is endorsed by the

Table 1. Insecticide options for professionals and homeowners for controlling EAB that have been tested in multiple university trials. Some products may not be labeled for use in all states. Some of the listed products failed to protect ash trees when they were applied at labeled rates. Inclusion of a product in this table does not imply that it is endorsed by the authors or has been consistently effective for EAB control. See text for details regarding effectiveness.

Insecticide Formulation	Active Ingredient	Application Method	Recommended Timing	
	Professional .	Use Products		
Merit [®] (75WP, 75WSP, 2F)	lmidacloprid	Soil Injection or drench	Mid-fall and/or mid- to late spring	
Xytect TM (2F, 75W5P)	lmidacloprid	Soil injection or drench	Mid-fall and/or mid- to late spring	
IMA-jet [®]	lmidacloprid	Trunk injection	Early May to mid-June	
lmicide [®]	lmidacloprid	Trunk injection	Early May to mid-June	
TREE-äge TM	Emamectin benzoate	Trunk injection	Early May to mid-June	
Inject-A-Cide B®	Bidrin [®]	Trunk injection	Early May to mid-June	
Safari™ (20 SG)	Dinotefuran	Systemic bark spray	Early May to mid-June	
Astro®	Permethrin			
Опух ^{тм}	Bifenthrin	Preventive bark and	2 applications at 4-week intervals; first spray should occur when	
Tempo [®]	Cyfluthrin	foliage cover sprays	black locust is blooming (early May in southern Ohio to early	
Sevin [®] SL	Carbaryl		June in mid-Michigan)	
	Homeowner	Formulation		
Bayer Advanced [™] Tree & Shrub Insect Control	lmidacloprid	Soil drench	Mid-fall or mid- to late spring	



authors or has been consistently effective for EAB control. Please see the following sections for specific information about results from these trials. Results of some tests have also been posted on www.emeraldashborer. info.

Strategies for the most effective use of these insecticide products are described below. It is important to note that pesticide labels and registrations change constantly and vary from state to state. It is the legal responsibility of the pesticide applicator to read, understand and follow all current label directions for the specific pesticide product being used.

Using Insecticides to Control EAB

Soil-Applied Systemic Insecticides

Systemic insecticides applied to the soil are taken up by the roots and translocated throughout the tree. The most widely tested soil-applied systemic insecticide for control of EAB is imidacloprid, which is available under several brand names for use by professional applicators and homeowners (see Table 1). All imidacloprid formulations can be applied as a drench by mixing the product with water, then pouring the solution directly on the soil around the base of the trunk. Dinotefuran was recently labeled for use against EAB as a soil treatment (in addition to its use as a basal trunk spray discussed below). Studies to test its effectiveness as a soil treatment are currently underway in Michigan and Ohio.

Imidacloprid soil applications should be made when the soil is moist but not saturated. Application to water-logged soil can result in poor uptake if the insecticide becomes excessively diluted and can also result in puddles of insecticide that could wash away, potentially contaminating surface waters and storm sewers. Insecticide uptake will also be limited when soil is excessively dry. Irrigating the soil surrounding the base of the tree before the insecticide application can improve uptake.

The application rates for the homeowner product (Bayer Advanced™ Tree & Shrub Insect Control) and professional formulations

of imidacloprid are very similar. Homeowners apply the same amount of active ingredient that professionals apply. However, there are certain restrictions on the use of homeowner formulations that do not apply to professional formulations. Homeowner formulations of imidacloprid can be applied only as a drench. It is not legal to inject these products into the soil, although some companies have marketed devices to homeowners specifically for this purpose. Homeowners are also restricted to making only one application per year. Several generic products containing imidacloprid are available to homeowners, but the formulations vary and the effectiveness of these products has not yet been evaluated in university tests.

Soil drenches offer the advantage of requiring no special equipment for application other than a bucket or watering can. However, imidacloprid can bind to surface layers of organic matter, such as mulch or leaf litter, which can reduce uptake by the tree. Before applying soil drenches, it is important to remove, rake or pull away any mulch or dead leaves so the insecticide solution is poured directly on the mineral soil.

Imidacloprid formulations labeled for use by professionals can be applied as a soil drench or as soil injections. Soil injections require specialized equipment, but offer the advantage of placing the insecticide under mulch or turf and directly into the root zone. This also can help to prevent runoff on sloped surfaces. Injections should be made just deep enough to place the insecticide beneath the soil surface (2-4 inches). Soil injections should be made within 18 inches of the trunk where the density of fine roots is highest. As you move away from the tree, large radial roots diverge like spokes on a wheel and studies have shown that uptake is higher when the product is applied at the base of the trunk. There are no studies that show that applying fertilizer with imidacloprid enhances uptake or effectiveness of the insecticide.

Optimal timing for imidacloprid soil injections and drenches is mid-April to mid-May, depending on your region. Allow four to six weeks for uptake and distribution of the insecticide within the tree. In southern Ohio, for example, you would apply the product by



mid-April; in southern Michigan, you should apply the product by early to mid-May. When treating larger trees (e.g., with trunks larger than 12 inches in diameter), treat on the earlier side of the recommended timing. Large trees will require more time for uptake and transportation of the insecticide than will small trees. Recent tests show that imidacloprid soil treatments can also be successful when applied in the fall.

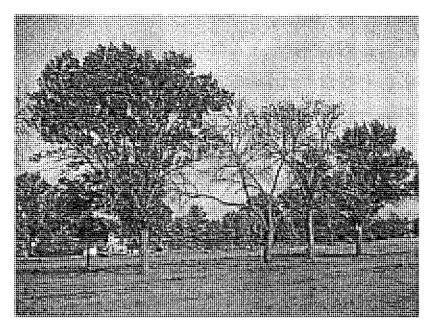
Trunk-Injected Systemic Insecticides

Several systemic insecticide products can be injected directly into the trunk of the tree including formulations of imidacloprid and emamectin benzoate (see Table 1). An advantage of trunk injections is that they can be used on sites where soil treatments may not be practical or effective, including trees growing on excessively wet, compacted or restricted soil environments. However, trunk injections do wound the trunk, which may cause long-term damage, especially if treatments are applied annually.

Products applied as trunk injections are typically absorbed and transported within the tree more quickly than soil applications. Allow three to four weeks for most trunkinjected products to move through the tree. Optimal timing of trunk injections occurs after trees have leafed out in spring but before-EAB-eggs have hatched, or generally between mid-May and mid-June. Uptake of trunk-injected insecticides will be most efficient when trees are actively transpiring. Best results are usually obtained by injecting trees in the morning when soil is moist but not saturated. Uptake will be slowed by hot afternoon temperatures and dry soil conditions.

Noninvasive, Systemic Basal Trunk Sprays

Dinotefuran is labeled for application as a noninvasive, systemic bark spray for EAB control. It belongs to the same chemical class as imidacloprid (neonicotinoids) but is much more soluble. The formulated insecticide is sprayed on the lower five to six feet of the trunk using a common garden sprayer and low pressure. Research has shown that the insecticide penetrates the bark and moves systemically throughout the rest of the tree.



Dinotefuran can be mixed with surfactants that may facilitate its movement into the tree, particularly on large trees with thick bark. However, in field trials, adding a surfactant did not consistently increase the amount of insecticide recovered from the leaves of treated trees.

The basal trunk spray offers the advantage of being quick and easy to apply and requires no special equipment other than a garden sprayer. This application technique does not wound the tree, and when applied correctly, the insecticide does not enter the soil.

Protective Cover Sprays

Insecticides can be sprayed on the trunk, branches and (depending on the label) foliage to kill adult EAB beetles as they feed on ash leaves, and newly hatched larvae as they chew through the bark. Thorough coverage is essential for best results. Products that have been evaluated as cover sprays for control of EAB include some specific formulations of permethrin, bifenthrin, cyfluthrin and carbaryl (see Table 1).

Protective cover sprays are designed to prevent EAB from entering the tree and will have no effect on larvae feeding under the bark. Cover sprays should be timed to occur when most adult beetles are feeding and beginning to lay eggs. Adult activity can be difficult to monitor because there are no

Healthy ash trees that have been protected with insecticides growing next to untreated ash trees killed by EAB.





EAB adults must feed on foliage before they become reproductively mature.

effective pheromone traps for EAB. However, first emergence of EAB adults generally occurs between 450-550 degree days (starting date of January 1, base temperature of 50°F), which corresponds closely with full bloom of black locust (Robinia pseudoacacia). For best results, consider two applications, one at 500 DD₅₀ (as black locust approaches full bloom) and a second spray four weeks later.

How Effective Are Insecticides for Control of EAB?

Extensive testing of insecticides for control of EAB has been conducted by researchers at Michigan State University (MSU) and The Ohio State University (OSU). Results of some of the MSU trials are available at www.emeraldashborer.info.

Soil-Applied Systemic Insecticides

Efficacy of imidacloprid soil injections for controlling EAB has been inconsistent; in some trials EAB control was excellent, while others vielded poor results. Differences in application protocols and conditions of the trials have varied considerably, making it difficult to reach firm conclusions about sources of variation in efficacy. For example, an MSU study found that low-volume soil injections of imidacloprid applied to small trees averaging 4 inches in DBH (diameter of the trunk at breast height) using the Kioritz applicator (a hand-held device for making low-volume injections) provided good control at one site. However, control was poor at another site where the same application protocols were used to treat larger trees (13-inch DBH). Imidacloprid levels may have been too low in the larger trees to provide adequate control. Higher pest pressure at the second site also may have contributed to poor control in the large trees.

In the same trials, high-pressure soil injections of imidacloprid (applied in two concentric rings, with one at the base of the tree and the other halfway to the drip line of the canopy) provided excellent control at one site. At another site, however, soil injections applied using the same rate, timing and application

method were completely in effective, even though tree size and infestation pressure were very similar. It should be noted that recent studies have shown that imidacloprid soil injections made at the base of the trunk result in more effective uptake than applications made on grid or circular patterns under the canopy.

Imidacloprid soil drenches have also generated mixed results. In some studies conducted by MSU and OSU researchers, imidacloprid soil drenches have provided excellent control of EAB. However, in other studies, control has been inconsistent. Experience and research indicate that imidacloprid soil drenches are most effective on smaller trees and control of EAB on trees with a DBH that exceeds 15 inches is less consistent.

This inconsistency may be due to the fact that application rates for systemic insecticides are based on amount of product per inch of trunk diameter or circumference. As the DBH of a tree increases, the amount of vascular tissue, leaf area and biomass that must be protected by the insecticide increases exponentially. Consequently, for a particular application rate, the amount of insecticide applied as a function of tree size is proportionally decreased as trunk diameter increases. Hence, the DBH-based application rates that effectively protect relatively small trees can be too low to effectively protect large trees. Some systemic insecticide products address this issue by increasing the application rate for large trees.

In an OSU study with larger trees (15- to 22-inch DBH), Xytect™ (imidacloprid) soil drenches provided consistent control of EAB when applied experimentally at twice the rate that was allowed at that time. Recently, the Xytect™ label was modified to allow the use of this higher rate, which we now recommend when treating trees larger than 15-inch DBH. Merit[®] imidacloprid formulations, however, are not labeled for application at this high rate. Therefore, when treating trees greater than 15-inch DBH with Merit® soil treatments, two applications are recommended, either in the fall and again in the spring, or twice in the spring, about four weeks apart (for example in late April and again in late May). This is not an option for Bayer Advanced™ Tree and Shrub Insect Control and other



homeowner formulations of imidacloprid, which are limited by the label to one application per year. Homeowners wishing to protect trees larger than 15-inch DBH should consider having their trees professionally treated.

Treatment programs must comply with any limits specified on the label regarding the maximum amount of insecticide that can be applied per acre during a given year.

Trunk-Injected Systemic Insecticides

Emamectin benzoate • In several intensive studies conducted by MSU and OSU researchers, a single injection of emamectin benzoate in mid-May or early June provided excellent control of EAB for at least two years, even under high pest pressure. For example, in a highly-replicated study conducted on trees ranging in size from 5to 20-inch DBH at three sites in Michigan, untreated trees had an average of 68 to 132 EAB larvae per m² of bark surface, which represents high pest pressure. In contrast, trees treated with emamectin benzoate had, on average, only 0.2 larvae per m², a reduction of > 99 percent. When additional trees were felled and debarked two years after the emamectin benzoate injection, there were still virtually no larvae in the treated trees, while adjacent, untreated trees at the same sites had hundreds of larvae.

In two OSU studies conducted in Toledo with street trees ranging in size from 15-to 25-inch DBH, a single application of emamectin benzoate also provided excellent control for two years. There was no sign of canopy decline in treated trees and very few emergence holes, while the canopies of adjacent, untreated trees exhibited severe decline and extremely high numbers of emergence holes.

One study suggests that a single injection of emamectin benzoate may even control EAB for three years. Additional studies to further evaluate the long-term effectiveness of emamectin benzoate are underway. To date, this is the only product that controls EAB for more than one year with a single application. In addition, in side-by-side comparisons with other systemic products (neonicotinoids), emamectin benzoate was more effective.

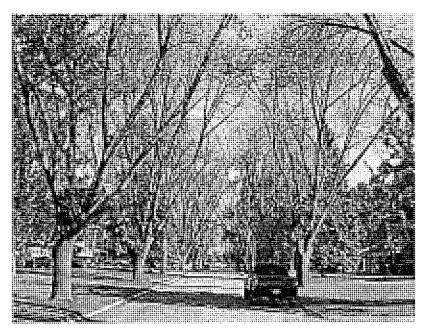
imidacloprid • Trunk injections with imidacloprid products have provided varying degrees of EAB control in trials conducted at different sites in Ohio and Michigan. In an MSU study, larval density in trees treated with Imicide® injections were reduced by 60 percent to 96 percent, compared to untreated controls. There was no apparent relationship between efficacy and trunk diameter or infestation pressure. In another MSU trial, imidacloprid trunk injections made in late May were more effective than those made in mid-July, and IMA-jet® injections provided higher levels of control than did Imicide®, perhaps because the IMA-jet® label calls for a greater amount of active ingredient to be applied on large trees. In an OSU study in Toledo, IMA-jet® provided excellent control of EAB on 15- to 25-inch trees under high pest pressure when trees were injected annually. However, trees that were injected every other year were not consistently protected.

In a discouraging study conducted in Michigan, ash trees continued to decline from one year to the next despite being injected in both years with either Bidrin (Inject-A-Cide B[®]) or imidacloprid. The imidacloprid treatments consisted of two consecutive years of Imicide® (10% imidacloprid) applied using Mauget® micro-injection capsules, or an experimental 12% formulation of imidacloprid in the first year followed by PointerTM (5% imidacloprid) in the second year with both applied using the WedgleTM Direct-InjectTM System. All three treatment regimes suppressed EAB infestation levels in both years, with Imicide® generally providing best control under high pest pressure in both small (six-inch DBH) and larger (16-inch DBH) caliper trees. However, larval density increased in treated and untreated trees from one year to the next. Furthermore, canopy dieback increased by at least 67 percent in all treated trees (although this was substantially less than the amount of dieback observed in untreated trees). Even consecutive years of these treatments only slowed ash decline under severe pest pressure. In another MSU study, ACECAP® trunk implants (active ingredient is acephate) did not adequately protect large trees (greater than 15-inch DBH) under high pest pressure.



EAB larvae damage the vascular system of the tree as they feed, which interferes with movement of systemic insecticides in the tree.





Noninvasive Basal Trunk Sprays with Dinotefuran

Studies to date indicate that systemic basal trunk sprays with dinotefuran are about as effective as imidacloprid treatments. MSU and OSU studies have evaluated residues in leaves from trees treated with the basal trunk spray. Results show that the dinotefuran effectively moved into the trees and was translocated to the canopy at rates similar to those of other trunk-injected insecticides, and faster than other soil-applied neonicotinoid products.

As with imidacloprid treatments, control of EAB with dinotefuran has been variable in research trials. In an MSU study conducted in 2007 and 2008, dinotefuran trunk sprays reduced EAB larval density by approximately 30 percent to 60 percent compared to the heavily infested untreated trees. The treatment was effective for only one year and would have to be applied annually. In general, control is better and more consistent in smaller trees than in large trees, but more research is needed with larger trees. Studies to address the long-term effectiveness of annual dinotefuran applications for control of EAB are underway.

Protective Cover Sprays

MSU studies have shown that applications of OnyxTM, Tempo® and Sevin® SL provided good control of EAB, especially when the insecticides were applied in late May and again in early July. Acephate sprays were less effective. BotaniGard® (Beauvaria bassiana) was also ineffective under high pest pressure. Astro® (permethrin) was not evaluated against EAB in these tests, but has been effective for controlling other species of wood borers and bark beetles.

In another MSU study, spraying Tempo® just on the foliage and upper branches or spraying the entire tree were more effective than simply spraying just the trunk and large branches. This suggests that some cover sprays may be especially effective for controlling EAB adults as they feed on leaves in the canopy. A single, well-timed spray was also found to provide good control of EAB, although two sprays may provide extra assurance given the long period of adult EAB activity.

It should be noted that spraying large trees is likely to result in a considerable amount of insecticide drift, even when conditions are ideal. Drift and potential effects of insecticides on non-target organisms should be considered when selecting options for EAB control.

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Key Points and Summary Recommendations

- # Insecticides can effectively protect ash trees from EAB.
- Unnecessary insecticide applications waste money. If EAB has not been detected within 10-15 miles, your trees are at low risk. Be aware of the status of EAB in your location. Current maps of known EAB populations can be found at www.emeraldashborer.info. Remember, however, that once a county is quarantined, maps for that county are no longer updated.
- Frees that are already infested and showing signs of canopy decline when treatments are initiated may continue to decline in the first year after treatment, and then begin to show improvement in the second year due to time lag associated with vascular healing. Trees exhibiting more than 50 percent canopy decline are unlikely to recover even if treated.
- Emamectin benzoate is the only product tested to date that controls EAB for more than one year with a single application. It also provided a higher level of control than other products in side-by-side studies.
- Soil drenches and injections are most effective when made at the base of the trunk. Imidacloprid applications made in the spring or the fall have been shown to be equally effective.
- Soil injections should be no more than 2-4 inches deep, to avoid placing the insecticide beneath feeder roots.
- To facilitate uptake, systemic trunk and soil insecticides should be applied when the soil is moist but not saturated or excessively dry.
- Research and experience suggest that effectiveness of insecticides has been less consistent on larger trees. Research has not been conducted on trees larger than 25-inch DBH. When treating very large trees under high pest pressure, it may be necessary to consider combining two treatment strategies.
- Homeowners wishing to protect trees larger than 15-inch DBH should consider having their trees professionally treated.
- Treatment programs must comply with any label restrictions on the amount of insecticide that can be applied per acre in a given year.





The Cooperative Emerald Ash Borer Program

For more information and to order additional copies of this bulletin:

www.emeraldashborer.info/

The Ohio State University EAB Outreach Team

www.ashalert.osu.edu

Purdue Extension

www.entm.purdue.edu/eab/

University of Wisconsin

www.entomology.wisc.edu/emeraldashborer/

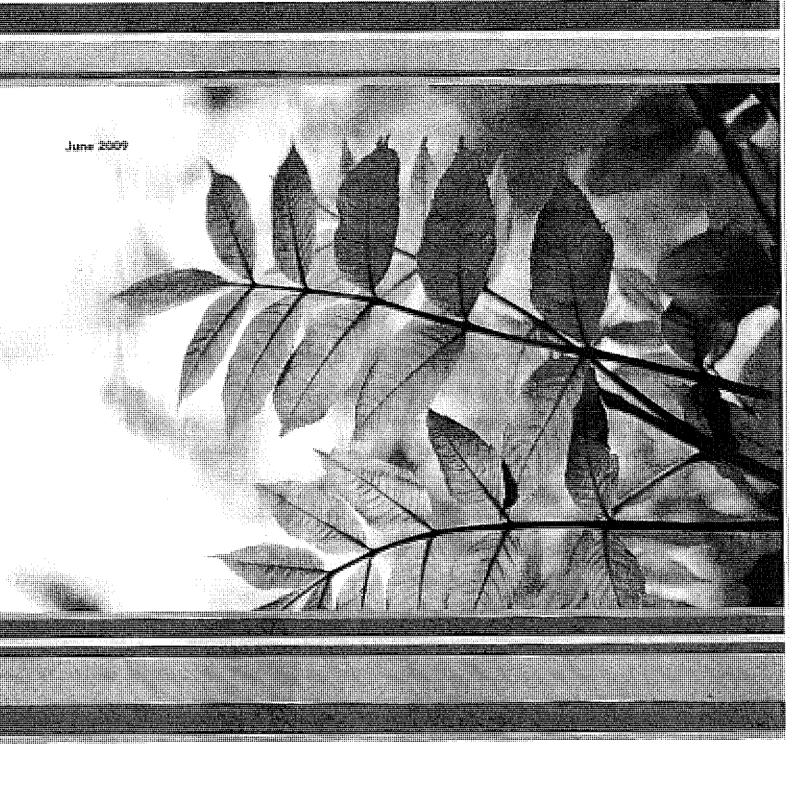
University of Illinois

ipm.illinois.edu/landturf/insects/

University of Minnesota

www.extension.umn.edu/issues/eab/





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