



CITY of NOVI CITY COUNCIL

Agenda Item 6
April 4, 2011

SUBJECT: Approval to award a construction contract for the Fuerst Park Lighting Improvements project to MHM Construction, LLC, the low bidder, in the amount of \$198,067.

SUBMITTING DEPARTMENT: Department of Public Services, Engineering Division ^{R14}
Parks, Recreation and Cultural Services ^{BTC}

CITY MANAGER APPROVAL: 

EXPENDITURE REQUIRED	\$198,067
AMOUNT BUDGETED	\$323,000
LINE ITEM NUMBER	208-691.00-974.050

BACKGROUND INFORMATION:

This project includes a portion of the second phase of the development of Fuerst Park, approved in the FY2010-11 Capital Improvement Program. The attached January 12, 2011 memo provides some background information on the overall project and its components. Johnson Hill Land Ethics Studio (JHLE) assisted staff with the design and selection of the internal park lighting and irrigation components of Fuerst Park Phase 2. The park irrigation project is being proposed for award as a separate contract elsewhere on this agenda.

This contract involves the installation of interior lighting throughout the park. Some highlights of the proposed lighting plan being recommended include:

- Bollard style, pedestrian level lighting along all interior pathways in the park with an overhead "shepherd's hook" light in the formal garden.
- Energy efficient LED light fixtures.
- Light fixture spacing to provide guidance lighting throughout the park rather than full illumination as in a parking lot or as exists along the Ten Mile frontage.

Eleven (11) bids were received and opened on March 24, 2011 following a public bid solicitation period. The lowest bidder is MHM Construction LLC (MHM). MHM's bid is recommended as being in the best interest of the City as it is responsive (i.e., MHM has complied with all requirements of the bidding instructions) and it is the lowest price. (JHLE's award recommendation letter including the bid tabulation dated March 28, 2011 is attached.) A summary of the eleven bids is shown in the table on the next page.

Contractor	Total Bid
MHM Construction	\$198,067.00
Diversified Power	\$199,999.00
Rauhorn Electric, Inc.	\$201,179.00
Corby Energy Services, Inc.	\$227,000.00
MAS Electrical Services Inc.	\$234,250.00
Metropolitan Power and Lighting Co.	\$242,700.00
Electrex Co., Inc.	\$248,792.00
Transformer Inspection Retrofill	\$250,127.00
Conti	\$254,418.83
J. Ranck Electric	\$258,200.00
Bidigare Contractors	\$260,000.00

The contract administration and construction inspection for this project will be completed by DPS Engineering Division staff (for a total savings of approximately \$16,000 on this project for services typically provided by consultants).

The project was included in the FY2010-11 capital improvement program in the budgeted amount of \$323,000, of which \$198,067 is now being recommended for award to MHM for installation of the lighting.

Construction is scheduled to begin in May 2011 and completion is anticipated by June 2011.

RECOMMENDED ACTION: Approval to award a construction contract for the Fuerst Park Lighting Improvements project to MHM Construction, LLC, the low bidder, in the amount of \$198,067.

	1	2	Y	N
Mayor Landry				
Mayor Pro Tem Gatt				
Council Member Fischer				
Council Member Margolis				

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

MEMORANDUM

DATE: March 28, 2011

TO: Ben Croy, PE, Civil Engineer
Department of Public Services-Engineering Division
26300 Delwal Drive
Novi, Michigan 48375

FROM: Chet Hill, ASLA

PROJECT: Fuerst Park Phase 2 Improvements
Park Lighting Bids

PROJECT NO.:10STJ02

SUBJECT: Bid Evaluation

On March 24, 2011 at 3:00 p.m. construction bids were opened and publicly read aloud at the City of Novi Civic Center for the Fuerst Park Phase 2 Lighting Improvements.

The City Clerk's office received eleven (11) sealed bids for this project. The bid form included a base bid for the lighting of all walkways in Fuerst Park including the relocation of one existing light from the north side of the library. No alternate bids were solicited. Following the bid opening, Johnson Hill Land Ethics Studio reviewed all bids and prepared the attached Bid Tabulation.

MHM Construction LLC submitted the lowest base bid however their bid did not acknowledge the receipt of Addendum No. 1. Addendum No.1 included further clarification of the various specific components of the electrical system (wire type, fuses type, etc.). Subsequent discussions with MHM Construction determined that they were agreeable to holding to the bid amount submitted despite not having included the provisions of Addendum No. 1 in their bid.

References were checked and representatives from past projects were contacted. All were very complimentary of the work that MHM Construction LLC had completed for them.

We therefore recommend that the City of Novi consider that the bid submitted by MHM Construction LLC. to be the lowest responsible bid received and further, that they consider awarding a contract to MHM Construction LLC for the base bid amount of \$198,067.00.

Upon award by the City Council, our office will coordinate the completion of the Contract Agreement, Bonds and Insurance information with MHM Construction LLC, and issue the Notice to Proceed upon execution of the contract documents.

c: Ms. Mary H. Michelsen, MHM Construction LLC

CITY OF NOVI
Fuerst Park Phase 2 Improvements - Park Lighting Bid Tab
Thursday, March 24, 2011 3:00 P.M.

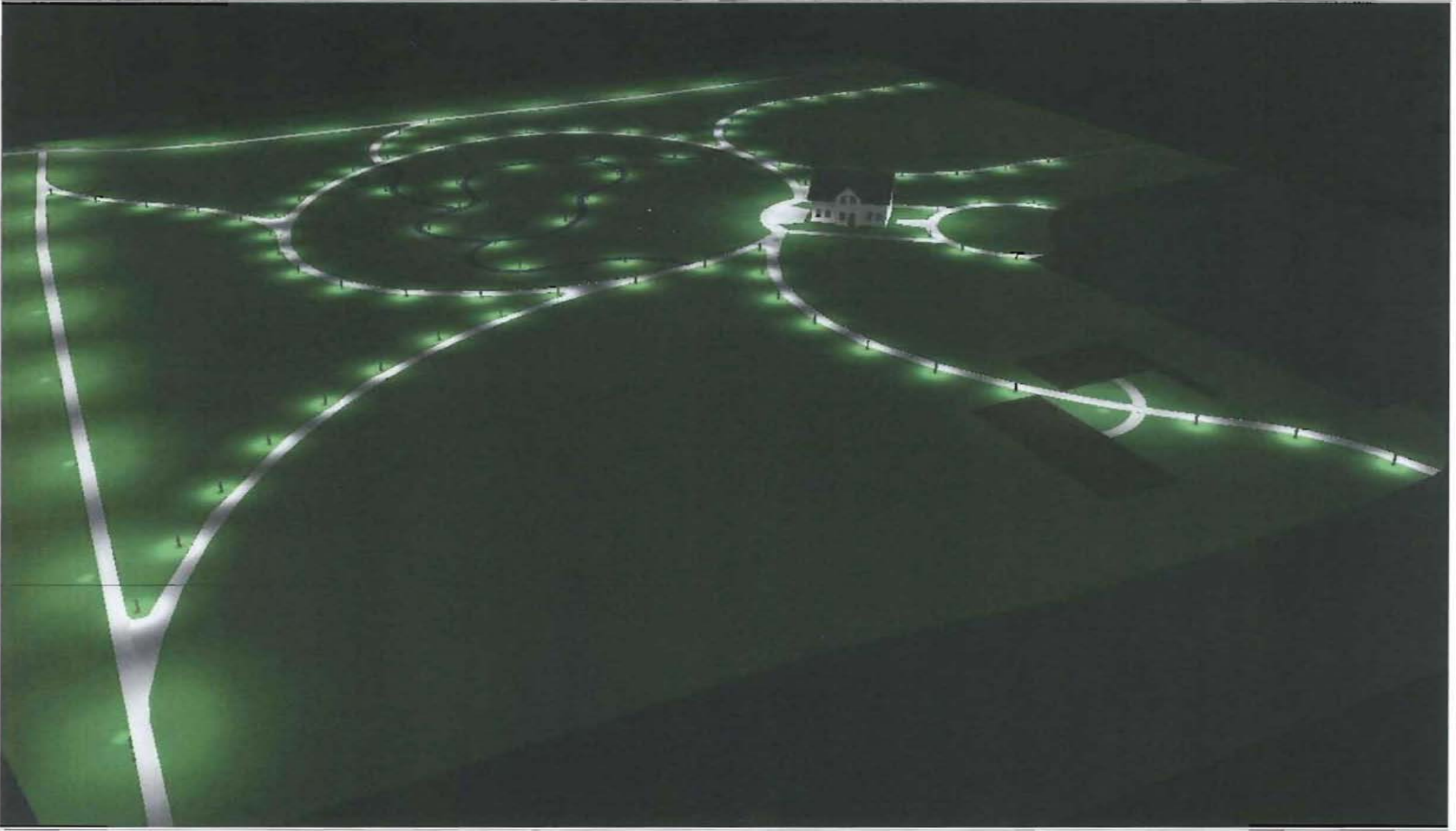
		MHM Const*	Diversified Power**	Rauhorn Electric	Corby Energy Svcs	MAS Elec. Services	Metropolitan Pwr & Light	Electrex***	Trans Insp Retrofill	Conti****	J. Ranck Electric	Bidigare Contractors	
	Qualifications and Experience	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
	Bid Bond	Y	check	Y	check	Y	Y	Y	Y	Y	Y	Y	
	Addendum	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
1.0	MOBILIZATION		\$7,199.00							\$2,600.00			
1.1	Mobilization / General Conditions	LS	\$8,900.00	\$18,400.00	\$8,754.00	\$5,000.00	\$11,860.00	\$3,500.00	\$9,000.00	\$13,055.00	\$5,212.00	\$19,200.00	\$2,000.00
2.0	ELECTRICAL WORK		\$5,000.00										
2.1	MB1 Bollard Lights, complete.	44 EA	\$126,720.00	\$123,200.00	\$116,028.00	\$132,000.00	\$125,840.00	\$140,800.00	\$161,317.00	\$116,688.00	\$126,435.32	\$132,000.00	\$154,000.00
2.2	MB2 Bollard Lights, complete	6 EA	\$18,174.00	\$18,000.00	\$16,656.00	\$19,200.00	\$18,150.00	\$20,100.00	\$22,905.00	\$16,788.00	\$17,995.68	\$18,600.00	\$21,000.00
2.3	Power Posts, complete	8 EA	\$1,600.00	\$3,200.00	\$2,288.00	\$8,000.00	\$3,960.00	\$2,800.00	\$2,212.16	\$14,824.00	\$6,542.36	\$7,200.00	\$6,000.00
2.4	Power Pedestal, complete	1 EA	\$2,150.00	\$1,500.00	\$4,184.00	\$4,500.00	\$5,300.00	\$2,500.00	\$3,125.00	\$6,817.00	\$12,514.13	\$5,000.00	\$4,500.00
2.5	Relocate "Shepherd's Hook" light	1 EA	\$250.00	\$3,000.00	\$1,516.00	\$1,300.00	\$1,990.00	\$1,000.00	\$780.00	\$1,220.00	\$2,750.00	\$1,200.00	\$1,500.00
2.6	Trenching and clean-up, conduit, wiring, in-line fuses, ground rods, and all related equipment	LS	\$40,273.00	\$20,500.00	\$51,753.00	\$57,000.00	\$67,150.00	\$72,000.00	\$49,453.00	\$80,735.00	\$80,369.34	\$75,000.00	\$71,000.00
TOTAL BID			\$198,067.00	\$199,999.00	\$201,179.00	\$227,000.00	\$234,250.00	\$242,700.00	\$248,792.00	\$250,127.00	\$254,418.83	\$258,200.00	\$260,000.00

* contractor agreed to hold total bid amount (with addendum items included)

** additional bid items inserted; two voluntary alternatives submitted with bid

*** minor addition error

**** additional bid item inserted





TO: ROB HAYES, P.E.; DIRECTOR OF
FROM: BRIAN COBURN, P.E.; ENGINEERING MANAGER *B/C*
SUBJECT: FUERST PARK PHASE 2 – LIGHTING UPDATE
DATE: JANUARY 12, 2011

1/13/11

To: Mayor and City Council Members
Barring strong objections, would like to
proceed with interior light design along
these lines.
Clay

Since the design for Fuerst Park Phase 2 – Lighting and Irrigation was awarded by City Council to Johnson Hill Land Ethics Studio on November 22, we have been working with the design consultant to develop the preliminary design plan based on the earlier concept plan for the park. As you recall, phase 2 of the project includes the installation of several of the amenities such as benches, trash receptacles, arbors and tables; as well as lighting along Ten Mile Road and within the interior of the park, and irrigation for the remainder of the park. This memo provides an update on the lighting component of the project.

The installation of the lighting along the Ten Mile Road frontage of Fuerst Park commenced in fall 2010 with the installation of the conduit and foundations. The standard "shepherd's hook" style lights have been ordered by the contractor. Delivery and installation of these light fixtures is anticipated within the next month.

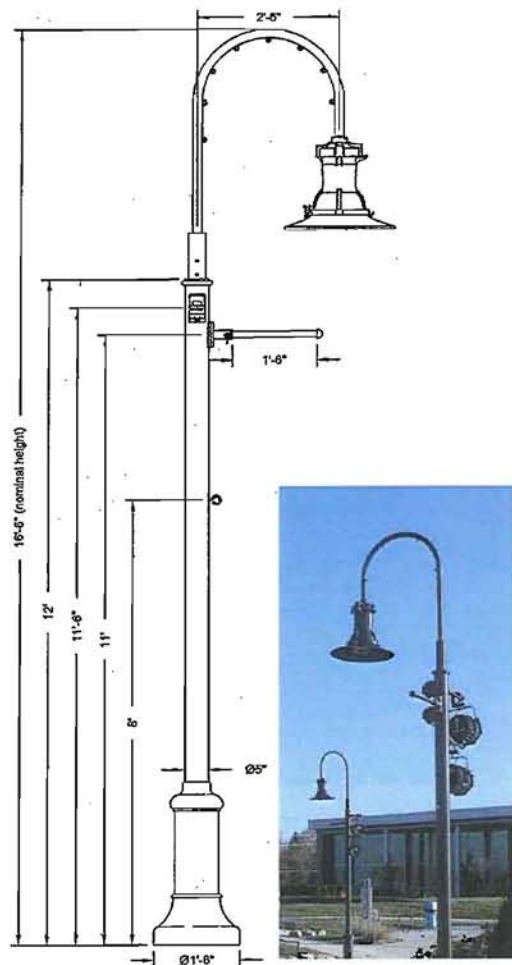
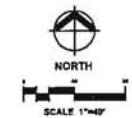
The interior lighting at Fuerst Park is being designed by Johnson Hill Land Ethics Studio to complement the existing design concepts in the park. A team led by Ben Croy of DPS's Engineering Division and consisting of Nancy Cowan from Parks, Recreation and Cultural Services, Matt Wiktorowski from DPS's Field Operations Division and me was assembled to assist the consultant in the development of the attached concept plan. Some highlights of the concept plan being recommended by the team are as follows:

- Energy efficient LED light fixtures
- Bollard style, pedestrian level lighting along all interior pathways in the park with an overhead "shepherd's hook" light in the formal garden.
- Light fixture spacing to provide guidance lighting throughout the park rather than illumination as in a parking lot or as proposed along the Ten Mile frontage.

Attached is a cut sheet with the light fixtures that have been suggested by the consultant for installation along the internal sidewalks. The team recommends that the AAL *Contemporary Concrete Bollard* be used in the final design because it is available as an LED fixture, can be fitted with electrical outlets, and meets the design intent. Also attached is a rendering of the park illustrating a potential bollard lighting layout. Note that the entire surface of the pathway is not illuminated, but intermittent lighting is provided to guide pedestrians.

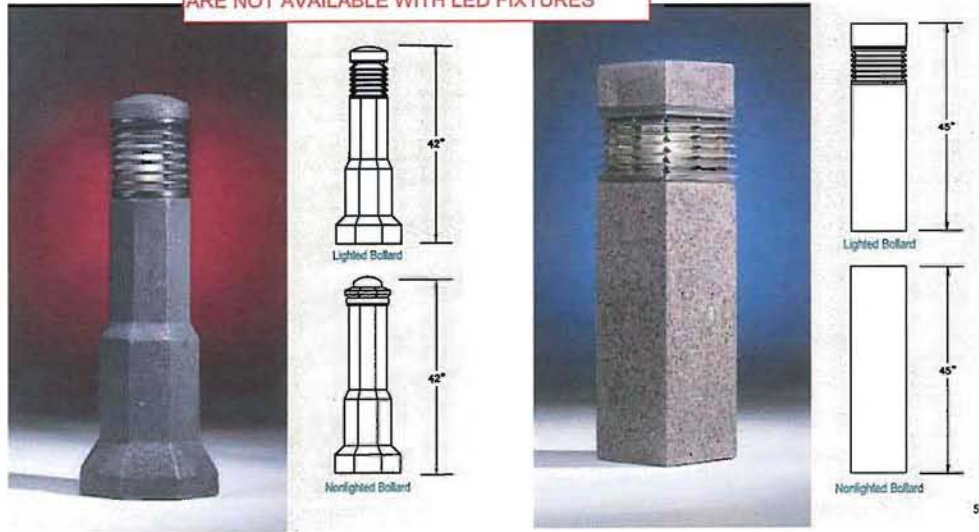
We look for any comments on the concept plan and the recommended light fixture by the end of January. The consultant will complete the final design of the lighting and the irrigation plan this winter. We anticipate bidding the project in early spring with the installation of lighting and irrigation complete by July 2011.

cc: Nancy Cowan, Interim Director of Parks, Recreation and Cultural Services
Matt Wiktorowski, Field Operations Senior Manager
Ben Croy, P.E.; Civil Engineer



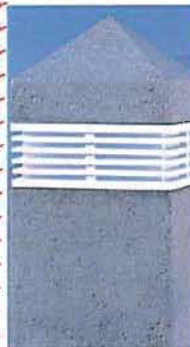
Existing light fixture at the amphitheater, library and to be installed along 10 Mile Road frontage and in the formal gardens.

THESE TWO STYLES WERE CONSIDERED, BUT ARE NOT AVAILABLE WITH LED FIXTURES



Stresscrete "Classic"

Stresscrete "Martello Square"



AAL Contemporary Concrete Bollard, 9" square pyramid

STAFF RECOMMENDED FIXTURE

CONTEMPORARY CONCRETE BOLLARDS



Exclusive
LED Ring
Technology

Striking Modern Forms

Four Sizes, Round and Square



ARCHITECTURAL AREA LIGHTING