

City of Monona
Department of Public Works
Schluter Park Channel Dredging
Engineering Report



Prepared by:

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&
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Project Coordinator

May 2016

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City of Monona

Department of Public Works – Engineering

Project Area:

Schluter Park Channel

Project Description:

The work to be included in the Schluter Channel Dredging project includes:

- site preparation
- soil erosion and sediment control measures
- preparation of benches to accommodate dredging operations
- clearing and grubbing
- mechanical dredging of 2,200 cubic yards of sediment
- hauling, and disposal of unconsolidated sediment at a certified landfill
- install the floating turbidity barrier prior to dredging operations, and maintenance of the turbidity barrier

SPV.2000 Mechanical Dredging

A. Description

The Contractor shall provide all labor, materials, testing in accordance with the Contract Documents and equipment necessary for the mechanical dredging, hauling and disposal of unconsolidated sediment. Contractor shall secure a disposal site. If dredging spoils are not disposed at a WDNR-approved disposal facility, Contractor must confirm that the disposal site meets the criteria of s. NR 504.04(4), Wisconsin Administrative Code. Contractor shall submit disposal site documentation that meets Owner and WDNR approval. Work shall be performed in accordance with Contract Documents and WDNR permits.

B. Materials

Equipment employed on the work site shall be in satisfactory operating condition and capable of safely and efficiently performing the work and shall be subject to inspection by the Engineer at all times.

Floating turbidity barrier shall meet all requirements of WisDOT Standard Specification Section 628.6005.

C. Construction

Site preparation, including soil erosion and sediment control measures, preparation of benches to accommodate dredging operations, and clearing and grubbing, shall be performed by the Contractor and is considered incidental to the overall cost of the project. The dredge access area shall be restored as shown on the Drawings and as specified herein as soon as possible after dredging operations are complete. Dredging operations shall be in accordance with permit requirements.

The Contractor shall install a floating turbidity barrier at the location shown on the Drawings prior to the commencement of dredging operations. The Contractor shall maintain the floating turbidity barrier during dredging operations. The floating turbidity barrier shall be removed upon completion of dredging and shoreline stabilization operations.

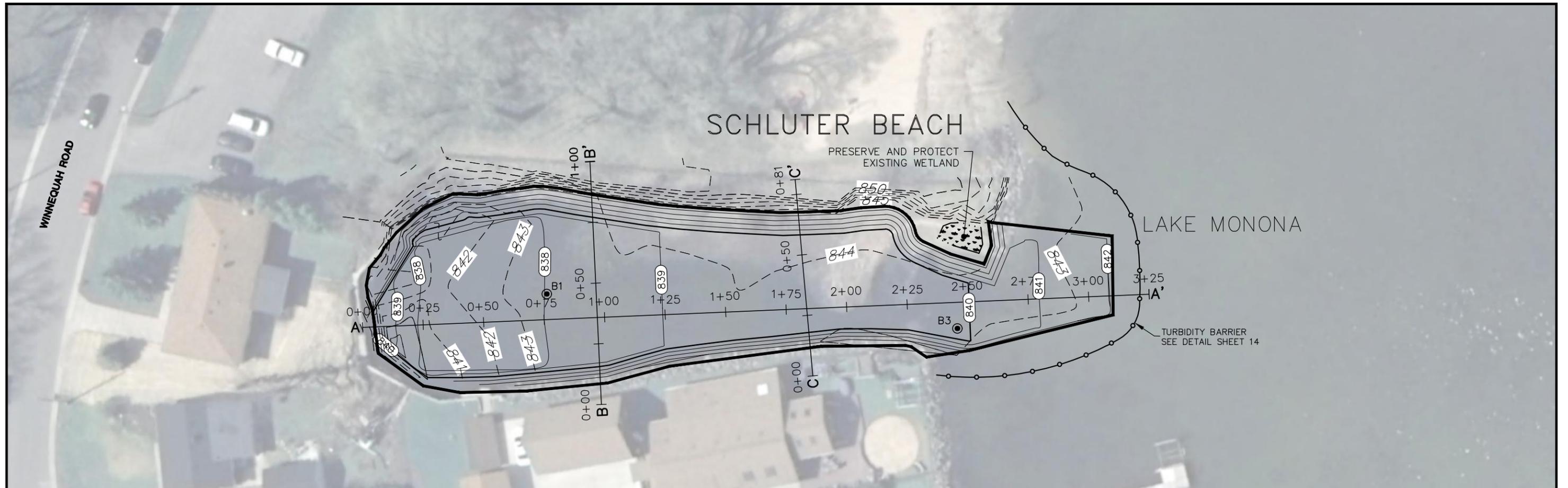
Misplaced Material: Should the Contractor during the progress of the work, lose, dump, sink, or misplace any material, machinery or appliance, which in the opinion of the Engineer may be dangerous to users of the lake, the Contractor shall recover and remove the same with the utmost dispatch. The Contractor shall give immediate notice, with description and location of such obstructions, to the Engineer or Inspector, and when required, shall mark or buoy such obstructions until the same are removed. The Contractor shall be responsible for removal of all obstructions.

Disposal of Debris: Any debris located on the lake bottom with outside dimensions defining a volume greater than or equal to five cubic feet shall be disposed of at a licensed landfill by the Contractor and is considered incidental to the overall cost of the project. This shall include, but not be limited to, tires, metal objects, tree stumps and logs.

D. Basis of Payment

Mechanical Dredging will be measured and paid for at the contract unit price per cubic yard (CY). The price shall be payment in full for all excavating, loading, hauling and set up, testing and furnishing all materials, tools, equipment, labor, and incidentals necessary to complete the Work in accordance with the Contract Documents.

SCS Engineers completed a topographic survey of the cove in July 2013. This survey shall be used a basis in calculating dredged volume for payment. Engineer will provide topographic survey during construction for final verification of volume removed for progress payments. The cubic yardage for payment shall be the calculated difference between the original topographic survey conducted in July 2013 and the final verification survey.



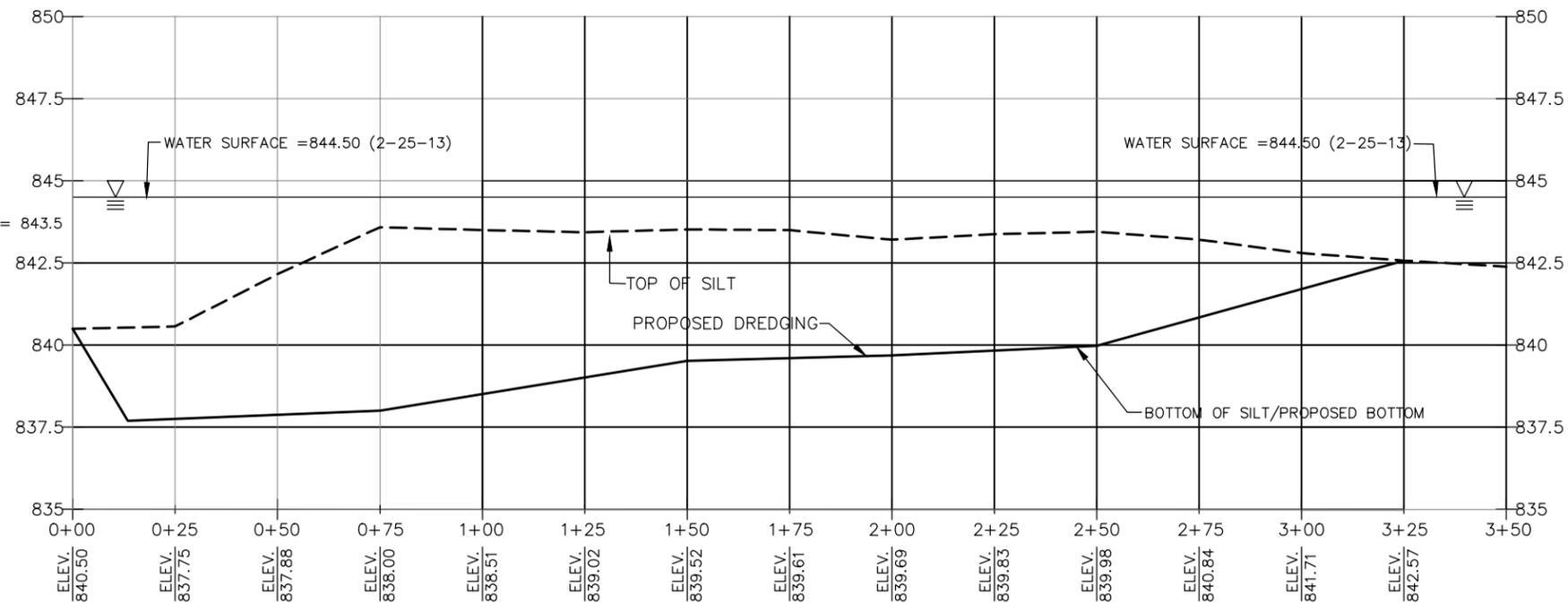
NOTE:

1. DATA PROVIDED WAS COLLECTED BY SCS ENGINEERS ON JULY 17, 2013. INFORMATION COLLECTED AND PROVIDED SHALL BE FOR REFERENCE ONLY.

LAKE MONONA TARGET WATER LEVELS:

844.7 (SUMMER MIN.)
 845.2 (TARGET MAX.)
 847.7 (100-YEAR)

48" STORM IE = 843.5



DREDGE PLAN CROSS SECTION A-A'
 SEE DETAIL SHEET 13 FOR CROSS SECTIONS B-B' AND C-C'



LEGEND

- 843 --- EXISTING CONTOUR
- (842) --- PROPOSED CONTOUR
- ○ ○ PROPOSED TURBIDITY BARRIER
- B1 APPROXIMATE SEDIMENT SAMPLE LOCATION AND NUMBER
- PROPOSED DREDGING LIMITS



SCALE: 1" = 40'

PROJECT NO. 25213134.00	DRAWN BY: BS/AHB	 2830 DAIRY DRIVE MADISON, WI 53718-6751 PHONE: (608) 224-2830	 CITY OF MONONA 5211 SCHLUTER ROAD MONONA, WI 53716-2598 608-222-2525	CITY OF MONONA SCHLUTER BEACH IMPROVEMENT PROJECT	SCHLUTER COVE DREDGING PLAN AND PROFILE	SHEET
DRAWN: 02/26/13	CHECKED BY: BP					9
REVISED: 01/21/16	APPROVED BY:					

OPINION of PROBABLE COST

Bid Item Ref. No.	Wis DOT Item No.	Description	Estimated Quantity	Units	Unit Price	Dollars
Sediment Structures						
1	201.0105	Clearing	0.50	STA	\$300.00	\$150.00
2	201.0205	Grubbing	0.50	STA	\$250.00	\$125.00
3	204.0110	Removing Asphaltic Surface	540.00	SY	\$11.00	\$5,940.00
4	204.0150	Removing Curb and Gutter	150.00	LF	\$6.50	\$975.00
5	204.0170	Removing Fence	55.00	LF	\$2.50	\$137.50
6	204.0245	Removing Storm Sewer (38x60-Inch)	22.00	LF	\$40.00	\$880.00
7	204.0245	Removing Storm Sewer (18-Inch)	54.00	LF	\$15.00	\$810.00
8	204.0245	Removing Storm Sewer (29x45-Inch)	53.00	LF	\$25.00	\$1,325.00
9	205.0100	Excavation Common	115.00	CY	\$25.00	\$2,875.00
10	206.2000	Excavation for Structures Culverts (Sediment Structure No 1)	1.00	LS	\$3,000.00	\$3,000.00
11	206.2000	Excavation for Structures Culverts (Sediment Structure No 2)	1.00	LS	\$3,000.00	\$3,000.00
12	209.0100	Backfill Granular	450.00	CY	\$15.00	\$6,750.00
13	211.0100	Prepare Foundation for Asphaltic Paving (project)	1.00	LS	\$1,500.00	\$1,500.00
14	606.0300	Riprap Heavy	15.00	CY	\$50.00	\$750.00
15	645.0120	Geotextile Fabric Type HR	30.00	SY	\$4.25	\$127.50
16	213.0100	Finishing Roadway (Sediment Structures, Dredging and Shoreline)	1.00	EACH	\$600.00	\$600.00
17	305.0120	Base Aggregate Dense 1 1/4-inch	205.00	TON	\$18.50	\$3,792.50
18	305.0130	Base Aggregate Dense 3-inch	235.00	TON	\$19.00	\$4,465.00
19	455.0605	Tack Coat	20.00	GAL	\$4.00	\$80.00
20	460.1101	HMA Pavement Type E-1 (includes asphaltic material)	110.00	TON	\$200.00	\$22,000.00
21	523.0134	Culvert Pipe Reinforced Concrete Horizontal Elliptical Class HE-III 34x53-Inch	26.00	LF	\$170.00	\$4,420.00
22	523.0138	Culvert Pipe Reinforced Concrete Horizontal Elliptical Class HE-III 38x60-Inch	8.00	LF	\$190.00	\$1,520.00
23	523.0534	Apron Endwalls for Culvert Pipe Rein. Concr. Horizontal Elliptical 34x53-Inch w/ Grate	1.00	EACH	\$2,000.00	\$2,000.00
24	601.0411	Concrete Curb and Gutter 30-Inch Type D	150.00	LF	\$30.00	\$4,500.00
25	608.0315	Storm Sewer Pipe Reinforced Concrete Class III 15-Inch	24.00	LF	\$45.00	\$1,080.00
26	608.0336	Storm Sewer Pipe Reinforced Concrete Class III 36-Inch	21.00	LF	\$110.00	\$2,310.00
27	611.0430	Reconstructing Inlets	1.00	EACH	\$1,000.00	\$1,000.00
28	611.0530	Manhole Covers Type J	12.00	EACH	\$425.00	\$5,100.00
29	611.2006	Manholes 4-FT Diameter	1.00	EACH	\$3,500.00	\$3,500.00
30	611.2006	Manholes 8-FT Diameter	3.00	EACH	\$7,500.00	\$22,500.00
31	611.2006	Manholes 12.5-FT x 6-FT Rectangular	1.00	EACH	\$7,000.00	\$7,000.00
32	611.3230	Inlets 2x3 FT	1.00	EACH	\$900.00	\$900.00
33	619.1000	Mobilization	1.00	EACH	\$6,000.00	\$6,000.00
34	625.0500	Salvaged Topsoil	650.00	SY	\$3.50	\$2,275.00
35	628.1504	Silt Fence	50.00	LF	\$2.00	\$100.00
36	628.1520	Silt Fence Maintenance	50.00	LF	\$0.50	\$25.00
37	628.1905	Mobilizations Erosion Control (Sediment Structures, Dredging and Shoreline)	1.00	EACH	\$200.00	\$200.00
38	628.1910	Mobilizations Emergency Erosion Control (Sediment Structures, Dredging and Shoreline)	2.00	EACH	\$150.00	\$300.00
39	628.6005	Turbidity Barrier	80.00	SY	\$25.00	\$2,000.00
40	629.0210	Fertilizer Type B	0.50	CWT	\$200.00	\$100.00
41	630.0140	Seeding Mixture No. 40 (Madison Parks)	30.00	LB	\$8.50	\$255.00
42	643.0100	Traffic Control	1.00	EACH	\$4,000.00	\$4,000.00
43	690.0150	Sawing Asphalt	110.00	LF	\$2.50	\$275.00
44	SPV.1000	Connect to Existing Storm Sewer	4.00	EACH	\$1,000.00	\$4,000.00
45	SPV.1001	Sediment Structure No 1 (Contech Vortechs Storm Water Treatment Structure Model 16000)	1.00	EACH	\$65,000.00	\$65,000.00
46	SPV.1002	Sediment Structure No 2 (Contech Vortechs Storm Water Treatment Structure Model 16000)	1.00	EACH	\$65,000.00	\$65,000.00
47	SPV.1003	Utility Line Opening (ULO - 2 storm, 2 water, 1 gas)	5.00	EACH	\$400.00	\$2,000.00
48	SPV.1004	8-Inch DI Watermain, Polywrap, Bends and Plug	65.00	LF	\$110.00	\$7,150.00
49	SPV.1005	Connect to Existing Watermain	2.00	EACH	\$1,000.00	\$2,000.00
50	SPV.1006	Gate Valve, 8-Inch	2.00	EACH	\$2,800.00	\$5,600.00
51	SPV.1007	Remove Existing Watermain	1.00	LS	\$400.00	\$400.00
52	SPV.1008	Anti-seep Collar	1.00	EACH	\$1,500.00	\$1,500.00
Subtotal =						\$283,292.50
Contingency (10%) =						\$28,329.25
Subtotal =						\$311,621.75
Construction Engineering (10%) =						\$31,162.18
Total Sediment Structures =						\$342,783.93

OPINION of PROBABLE COST

Owner: City of Monona

Date: 11/24/2015

Bid Item Ref. No.	Wis DOT Item No.	Description	Estimated Quantity	Units	Unit Price	Dollars
Mechanical Dredging						
53	619.1000	Mobilization	1.00	EACH	\$10,000.00	\$10,000.00
54	628.6005	Turbidity Barriers	135.00	SY	\$25.00	\$3,375.00
55	628.7560	Tracking Pad	1.00	EACH	\$ 4,000.00	\$4,000.00
56	SPV.2000	Mechanical Dredging	2160.00	CY	\$50.00	\$108,000.00
57	SPV.2001	Cleaning and Maintaining Haul Roads	1.00	LS	\$5000.00	\$5,000.00
						Subtotal = \$130,375.00
						Contingency (10%) = \$13,037.50
						Subtotal = \$143,412.50
						Construction Engineering (10%) = \$14,341.25
						Total Mechanical Dredging = \$157,753.75
Cove Shoreline Restoration						
58	201.0105	Clearing (Shoreline)	2.50	STA	\$300.00	\$750.00
59	201.0205	Grubbing (Shoreline)	2.50	STA	\$250.00	\$625.00
60	205.0100	Excavation Common	370.00	CY	\$25.00	\$9,250.00
61	204.0170	Removing Fence	210.00	LF	\$2.00	\$420.00
62	619.1000	Mobilization	1.00	EACH	\$2,000.00	\$2,000.00
63	625.0500	Salvaged Topsoil	500.00	SY	\$3.50	\$1,750.00
64	SPV.3000	Native Vegetated Mat (including fine grading)	500.00	SY	\$55.00	\$27,500.00
						Subtotal = \$42,295.00
						Contingency (10%) = \$4,229.50
						Subtotal = \$46,524.50
						Construction Engineering (10%) = \$4,652.45
						Total Cove Shoreline Restoration = \$51,176.95
Park Improvements						
65	204.0110	Remove Asphaltic Surface	330.00	SY	\$11.00	\$3,630.00
66	205.0100	Excavation Common	800.00	CY	\$25.00	\$20,000.00
67	211.0100	Prepare Foundation for Asphaltic Paving	1.00	LS	\$1,500.00	\$1,500.00
68	213.0100	Finishing Roadway (Park Improvements)	1.00	EACH	\$1,000.00	\$1,000.00
69	305.0120	Base Aggregate Dense 1 1/4 Inch (Street Repave)	80.00	TON	\$18.50	\$1,480.00
70	305.0130	Base Aggregate Dense 3-Inch	90.00	TON	\$19.00	\$1,710.00
71	455.0605	Tack Coat	5.00	GAL	\$4.00	\$20.00
72	460.1101	HMA Pavement Type E-1 (includes asphaltic material)	40.00	TON	\$200.00	\$8,000.00
73	416.0180	6" Concrete Paths	885.00	SY	\$45.00	\$39,825.00
74	602.0504	Curb Ramp Detectable Warning Field	30.00	SF	\$40.00	\$1,200.00
75	611.0530	Manhole Covers Type J	1.00	EACH	\$425.00	\$425.00
76	611.2006	Manholes 4-FT Diameter	1.00	EACH	\$3,500.00	\$3,500.00
77	632.0200	Shrubs (Arborvitae American, Container, 60-inch Height)	6.00	EACH	\$200.00	\$1,200.00
78	619.1000	Mobilization	1.00	EACH	\$4,000.00	\$4,000.00
79	625.0500	Salvaged Topsoil	950.00	SY	\$3.50	\$3,325.00
80	628.1504	Silt Fence	275.00	LF	\$2.00	\$550.00
81	628.1520	Silt Fence Maintenance	275.00	LF	\$0.50	\$137.50
82	628.1905	Mobilizations Erosion Control	1.00	EACH	\$200.00	\$200.00
83	628.1910	Mobilizations Emergency Erosion Control	2.00	EACH	\$150.00	\$300.00
84	630.0140	Seeding Mixture No. 40 (Madison Parks)	21.00	LB	\$8.50	\$178.50
85	629.0210	Fertilizer Type B	1.00	CWT	\$200.00	\$200.00
86	643.0100	Traffic Control	1.00	EACH	\$3,000.00	\$3,000.00
87	SPV.4000	Water Service Lateral (1.5" Copper)	179.00	LF	\$50.00	\$8,950.00
88	SPV.4001	1.5-Inch Corporation Curb Stop and Stand	1.00	EACH	\$1,500.00	\$1,500.00
89	SPV.4002	Path Base Aggregate	885.00	SY	\$5.50	\$4,867.50
90	SPV.4003	Sanitary Sewer Service (6" PVC SDR 35)	163.00	LF	\$100.00	\$16,300.00
91	SPV.4004	Abandon Existing Services	2.00	EACH	\$3,500.00	\$7,000.00
92	SPV.4005	Sand Beach Extension	90.00	SY	\$15.00	\$1,350.00
93	SPV.4006	Landing	1.00	EACH	\$1,350.00	\$1,350.00
94	SPV.4007	Shovel Cut Edging	40.00	LF	\$4.00	\$160.00
95	SPV.4008	Shredded Hardwood Bark Mulch w/ Weed Barrier	20.00	SY	\$15.00	\$300.00
96	SPV.4009	Repair Fence Connection	1.00	LS	\$1,500.00	\$1,500.00
97	SPV.4010	Demolish Restroom Building	1.00	LS	\$8,000.00	\$8,000.00
98	SPV.4011	Remove Sanitary Manhole	1.00	EACH	\$1,000.00	\$1,000.00
99	SPV.4012	Sanitary Lateral Clean Out	1.00	EACH	\$500.00	\$500.00
100	SPV.4013	Safety Fence	330.00	LF	\$2.00	\$660.00
101	SPV.4014	Utility Line Opening (ULO - 1 storm, 1 water, 1 sanitary, 1 gas)	4.00	EACH	\$400.00	\$1,600.00
102	SPV.4015	Grading and Shaping Park	1.00	LS	\$3,000.00	\$3,000.00
						Subtotal = \$153,418.50
						Contingency (10%) = \$15,341.85
						Subtotal = \$168,760.35
						Construction Engineering (10%) = \$16,876.04
						Total Park Improvements = \$185,636.39

Total Opinion of Probable Cost

Construction = \$670,319.10
 Engineering = \$67,031.91
 Total = \$737,351.01

ADVERTISEMENT FOR BIDS
Schluter Beach Improvement Project
(Storm/Sediment Structures, Dredging, Shoreline Restoration, Park Improvements, Restroom Building)
City of Monona

Notice is hereby given, the City of Monona will receive sealed Bids for the following project:

Project Number: MO-01-16
Project Name: Schluter Beach Improvement Project
Project Description: Work shall include: Park Improvements, Restroom Building Replacement, Dredging, Shoreline Restoration, and Sediment Structures.

All Bids shall be received at City Hall, 5211 Schluter Road, Monona, Wisconsin 53716, until **10:00 a.m.**, local time on February 18, 2016, where Bids will be opened and read aloud. All Bids shall be placed in an opaque envelope. The envelope shall have the project name and number as stated above, along with the Bidders name and address clearly labeled on it.

Bids shall be directed to the City of Monona, Attn: Dan Stephany, Director of Public Works, 5211 Schluter Road, Monona, WI 53716. All bids shall be securely sealed and endorsed upon the outside wrapper, "Bid - Schluter Beach Improvement Project."

Bids shall be submitted as hard copies on the forms provided for that purpose and according to the Contract Documents prepared for the City of Monona dated January 2016.

Bid forms and Contract Documents will be available for viewing at the office of the City of Monona beginning Thursday, January 28 , 2016.

No Bids will be accepted unless accompanied by a Bid bond or certified check equal to 5.0% of the Bid made payable to City of Monona.

The Bidding Documents can be reviewed and examined at City Hall, 5211 Schluter Road, Monona, Wisconsin 53716, Wisconsin, or at the offices of Vierbicher Associates, 999 Fourier Drive, Suite 201, Madison, WI 53717 during normal business hours.

Contractors desiring a copy of the Bid Forms and Contract Documents may obtain them beginning January 28, 2016. Complete digital project bidding documents are available at www.vierbicher.com or www.questcdn.com. You may download the digital plan documents for \$20.00 by inputting Quest project #4239446 on the website's Project Search page. Please contact QuestCDN.com at 952-233-1632 or info@questcdn.com for assistance in free membership registration, downloading, and working with this digital project information. An optional paper set of project documents is also available for a non-refundable price of \$75.00 per set. Please make your check payable to Vierbicher and send it to 999 Fourier Drive, Suite 201, Madison, WI 53717. Please contact us at 608-826-0532 if you have any questions.

Bidders may contact Darrin Pope with Vierbicher Associates (608-821-3956, dpop@vierbicher.com) if they have questions. Engineer will transmit to all prospective Bidders of record such addenda as Engineer considers necessary in response to questions arising from bidder questions. Oral statements may not be relied upon and will not be binding or legally effective.

The Contractor shall be required to pay not less than the prevailing wage rate as established by the Wisconsin Department of Workforce Development.

The City of Monona reserves the right to reject any and all bids and/or any all bid alternatives, and to waive irregularities and informalities therein and to award the Contract in the best interests of the City.

Authorization for publication granted by the City of Monona, Dan Stephany, January 28, 2016.

Joan Andrusz, City Clerk
City of Monona
5211 Schluter Road
Monona, Wisconsin 53716

Consulting Engineer:
Vierbicher
999 Fourier Drive, Suite 201
Madison, WI 53717

BID TABULATION

Schluter Beach Improvements, City of Monona

CITY PROJECT # : MO-01 -16. VIERBICHER PN: 150028

February 18, 2016, 10:00 AM



Indicates a math error made on bid form.

				Apparent Low Bid					
				DRAX INC.		HARMONY CONSTRUCTION MANAGEMENT		JOE DANIELS CONSTRUCTION CO., INC.	
Bid Item Number	Item Description	Units of Measure	Estimated Quantity	Unit Cost	Total Amount	Unit Cost	Total Amount	Unit Cost	Total Amount
5.01 BASE BID - PARK SITE WORK									
Sediment Structures									
1	Clearing	STA	0.5	\$ 910.00	\$ 455.00	\$ 700.00	\$ 350.00	\$ 3,200.00	\$ 1,600.00
2	Grubbing	STA	0.5	\$ 910.00	\$ 455.00	\$ 700.00	\$ 350.00	\$ 3,200.00	\$ 1,600.00
3	Removing Asphaltic Surface	SY	540	\$ 2.60	\$ 1,404.00	\$ 2.00	\$ 1,080.00	\$ 6.00	\$ 3,240.00
4	Removing Curb and Gutter	LF	150	\$ 9.10	\$ 1,365.00	\$ 7.00	\$ 1,050.00	\$ 8.00	\$ 1,200.00
5	Removing Fence	LF	55	\$ 7.80	\$ 429.00	\$ 6.00	\$ 330.00	\$ 10.00	\$ 550.00
6	Removing Storm Sewer (38x60-Inch)	LF	22	\$ 39.00	\$ 858.00	\$ 30.00	\$ 660.00	\$ 250.00	\$ 5,500.00
7	Removing Storm Sewer (18-Inch)	LF	54	\$ 26.00	\$ 1,404.00	\$ 20.00	\$ 1,080.00	\$ 55.00	\$ 2,970.00
8	Removing Storm Sewer (29x45-Inch)	LF	53	\$ 26.00	\$ 1,378.00	\$ 20.00	\$ 1,060.00	\$ 108.00	\$ 5,724.00
9	Excavation Common	CY	115	\$ 19.50	\$ 2,242.50	\$ 15.00	\$ 1,725.00	\$ 28.00	\$ 3,220.00
10	Backfill Granular	CY	450	\$ 20.80	\$ 9,360.00	\$ 16.00	\$ 7,200.00	\$ 30.00	\$ 13,500.00
11	Prepare Foundation for Asphaltic Paving	LS	1	\$ 1,430.00	\$ 1,430.00	\$ 1,100.00	\$ 1,100.00	\$ 7,400.00	\$ 7,400.00
12	Riprap Heavy	CY	15	\$ 78.00	\$ 1,170.00	\$ 60.00	\$ 900.00	\$ 95.00	\$ 1,425.00
13	Geotextile Fabric Type HR	SY	30	\$ 3.51	\$ 105.30	\$ 2.70	\$ 81.00	\$ 10.00	\$ 300.00
14	Finishing Roadway (Sediment Structures, Dredging and Shoreline)	EACH	1	\$ 2,000.00	\$ 2,000.00	\$ 1,480.00	\$ 1,480.00	\$ 4,000.00	\$ 4,000.00
15	Base Aggregate Dense 1 1/4-inch	TON	205	\$ 20.80	\$ 4,264.00	\$ 16.00	\$ 3,280.00	\$ 21.50	\$ 4,407.50
16	Base Aggregate Dense 3-inch	TON	235	\$ 19.50	\$ 4,582.50	\$ 15.00	\$ 3,525.00	\$ 21.50	\$ 5,052.50
17	Tack Coat	GAL	20	\$ 2.60	\$ 52.00	\$ 2.00	\$ 40.00	\$ 2.20	\$ 44.00
18	HMA Pavement Type E-1 (includes asphaltic material)	TON	110	\$ 109.20	\$ 12,012.00	\$ 84.00	\$ 9,240.00	\$ 92.40	\$ 10,164.00
19	Culvert Pipe Reinforced Concrete Horizontal Elliptical Class HE-III 34x53-Inch	LF	26	\$ 182.00	\$ 4,732.00	\$ 140.00	\$ 3,640.00	\$ 525.00	\$ 13,650.00
20	Culvert Pipe Reinforced Concrete Horizontal Elliptical Class HE-III 38x60-Inch	LF	8	\$ 208.00	\$ 1,664.00	\$ 160.00	\$ 1,280.00	\$ 775.00	\$ 6,200.00
21	Apron Endwalls for Culvert Pipe Rein. Concr. Horizontal Elliptical 34x53-Inch w/ Grate	EACH	1	\$ 5,421.00	\$ 5,421.00	\$ 4,170.00	\$ 4,170.00	\$ 6,500.00	\$ 6,500.00
22	Concrete Curb and Gutter 30-Inch Type D	LF	150	\$ 52.00	\$ 7,800.00	\$ 40.00	\$ 6,000.00	\$ 42.50	\$ 6,375.00
23	Storm Sewer Pipe Reinforced Concrete Class III 15-Inch	LF	24	\$ 52.00	\$ 1,248.00	\$ 40.00	\$ 960.00	\$ 80.00	\$ 1,920.00
24	Storm Sewer Pipe Reinforced Concrete Class III 30-Inch	LF	8	\$ 84.50	\$ 676.00	\$ 65.00	\$ 520.00	\$ 130.00	\$ 1,040.00
25	Reconstructing Inlets	EACH	1	\$ 700.00	\$ 700.00	\$ 535.00	\$ 535.00	\$ 2,000.00	\$ 2,000.00
26	Manhole Covers Type J	EACH	12	\$ 400.00	\$ 4,800.00	\$ 320.00	\$ 3,840.00	\$ 600.00	\$ 7,200.00
27	Manholes 4-FT Diameter	EACH	1	\$ 1,400.00	\$ 1,400.00	\$ 1,200.00	\$ 1,200.00	\$ 3,075.00	\$ 3,075.00
28	Manholes 8-FT Diameter	EACH	3	\$ 6,000.00	\$ 18,000.00	\$ 4,750.00	\$ 14,250.00	\$ 20,000.00	\$ 60,000.00
29	Inlets 2x3 FT	EACH	1	\$ 1,800.00	\$ 1,800.00	\$ 1,400.00	\$ 1,400.00	\$ 2,150.00	\$ 2,150.00
30	Mobilization	EACH	1		\$ -	\$ 1,800.00	\$ 1,800.00	\$ 54,000.00	\$ 54,000.00
31	Salvaged Topsoil	SY	650	\$ 3.00	\$ 1,950.00	\$ 2.40	\$ 1,560.00	\$ 3.50	\$ 2,275.00
32	Silt Fence/Silt Sock	LF	50	\$ 2.00	\$ 100.00	\$ 2.00	\$ 100.00	\$ 7.00	\$ 350.00
33	Silt Fence Maintenance	LF	50	\$ 1.00	\$ 50.00	\$ 1.00	\$ 50.00	\$ 0.50	\$ 25.00
34	Mobilizations Erosion Control (Sediment Structures, Dredging and Shoreline)	EACH	1	\$ 1,500.00	\$ 1,500.00	\$ 1,200.00	\$ 1,200.00	\$ 175.00	\$ 175.00
35	Mobilizations Emergency Erosion Control (Sediment Structures, Dredging and Shoreline)	EACH	2	\$ 1,500.00	\$ 3,000.00	\$ 120.00	\$ 240.00	\$ 175.00	\$ 350.00
36	Turbidity Barrier	SY	80	\$ 50.00	\$ 4,000.00	\$ 122.52	\$ 9,801.60	\$ 32.00	\$ 2,560.00

				Apparent Low Bid					
				DRAX INC.		HARMONY CONSTRUCTION MANAGEMENT		JOE DANIELS CONSTRUCTION CO., INC.	
Bid Item Number	Item Description	Units of Measure	Estimated Quantity	Unit Cost	Total Amount	Unit Cost	Total Amount	Unit Cost	Total Amount
37	Fertilizer Type B	CWT	0.5	\$ 100.00	\$ 50.00	\$ 100.00	\$ 50.00	\$ 108.00	\$ 54.00
38	Seeding Mixture No. 40 (Madison Parks)	LB	30	\$ 20.00	\$ 600.00	\$ 15.00	\$ 450.00	\$ 16.00	\$ 480.00
39	Traffic Control	EACH	1	\$ 5,000.00	\$ 5,000.00	\$ 4,200.00	\$ 4,200.00	\$ 3,500.00	\$ 3,500.00
40	Sawing Asphalt	LF	110	\$ 3.00	\$ 330.00	\$ 2.00	\$ 220.00	\$ 4.00	\$ 440.00
41	Connect to Existing Storm Sewer	EACH	4	\$ 600.00	\$ 2,400.00	\$ 480.00	\$ 1,920.00	\$ 2,150.00	\$ 8,600.00
42	Sediment Structure No 1 (Contech Vortechs Storm Water Treatment Structure Model 16000)	EACH	1	\$ 85,000.00	\$ 85,000.00	\$ 85,000.00	\$ 85,000.00	\$ 131,500.00	\$ 131,500.00
43	Sediment Structure No 2 (Contech Vortechs Storm Water Treatment Structure Model 16000)	EACH	1	\$ 85,000.00	\$ 85,000.00	\$ 85,000.00	\$ 85,000.00	\$ 137,800.00	\$ 137,800.00
44	Utility Line Opening (ULO - 2 storm, 2 water, 1 gas)	EACH	5	\$ 600.00	\$ 3,000.00	\$ 450.00	\$ 2,250.00	\$ 750.00	\$ 3,750.00
45	8-Inch DI Watermain, Polywrap, Bends and Plug	LF	79	\$ 70.00	\$ 5,530.00	\$ 54.00	\$ 4,266.00	\$ 200.00	\$ 15,800.00
46	Connect to Existing Watermain	EACH	2	\$ 2,000.00	\$ 4,000.00	\$ 1,600.00	\$ 3,200.00	\$ 2,650.00	\$ 5,300.00
47	Gate Valve, 8-Inch	EACH	2	\$ 2,000.00	\$ 4,000.00	\$ 1,700.00	\$ 3,400.00	\$ 2,650.00	\$ 5,300.00
48	Remove Existing Watermain	LS	1	\$ 1,000.00	\$ 1,000.00	\$ 800.00	\$ 800.00	\$ 1,350.00	\$ 1,350.00
49	Anti-seep Collar	EACH	1	\$ 700.00	\$ 700.00	\$ 500.00	\$ 500.00	\$ 3,200.00	\$ 3,200.00
50	Manhole 12.5-FT x 6-FT Rectangular	EACH	1	\$ 20,000.00	\$ 20,000.00	\$ 16,850.00	\$ 16,850.00	\$ 31,700.00	\$ 31,700.00
Subtotal Sediment Structures:					\$ 320,417.30		\$ 295,183.60		\$ 590,516.00
Mechanical Dredging									
51	Mobilization	EACH	1	\$ 3,000.00	\$ 3,000.00	\$ 4,989.59	\$ 4,989.59	\$ 30,500.00	\$ 30,500.00
52	Turbidity Barrier	SY	135	\$ 50.00	\$ 6,750.00	\$ 122.52	\$ 16,540.20	\$ 125.00	\$ 16,875.00
53	Tracking Pad	EACH	1	\$ 1,000.00	\$ 1,000.00	\$ 2,456.38	\$ 2,456.38	\$ 3,500.00	\$ 3,500.00
54	Mechanical Dredging	CY	2200	\$ 50.00	\$ 110,000.00	\$ 80.00	\$ 176,000.00	\$ 89.00	\$ 195,800.00
55	Cleaning and Maintaining Haul Roads	LS	1	\$ 1,500.00	\$ 1,500.00	\$ 6,000.00	\$ 6,000.00	\$ 7,500.00	\$ 7,500.00
Subtotal Mechanical Dredging:					\$ 122,250.00		\$ 205,986.17		\$ 254,175.00
Cove Shoreline Restoration									
56	Clearing	STA	2.5	\$ 700.00	\$ 1,750.00	\$ 500.00	\$ 1,250.00	\$ 1,800.00	\$ 4,500.00
57	Grubbing	STA	2.5	\$ 700.00	\$ 1,750.00	\$ 500.00	\$ 1,250.00	\$ 1,800.00	\$ 4,500.00
58	Excavation Common	CY	370	\$ 20.00	\$ 7,400.00	\$ 15.00	\$ 5,550.00	\$ 41.00	\$ 15,170.00
59	Removing Fence	LF	210	\$ 4.00	\$ 840.00	\$ 3.00	\$ 630.00	\$ 7.00	\$ 1,470.00
60	Mobilization	EACH	1	\$ 1,000.00	\$ 1,000.00	\$ 1,800.00	\$ 1,800.00	\$ 1,500.00	\$ 1,500.00
61	Salvaged Topsoil	SY	500	\$ 3.00	\$ 1,500.00	\$ 2.40	\$ 1,200.00	\$ 4.00	\$ 2,000.00
62	Native Vegetated Mat	SY	500	\$ 45.00	\$ 22,500.00	\$ 40.60	\$ 20,300.00	\$ 64.00	\$ 32,000.00
Subtotal Cove Shoreline Restoration:					\$ 36,740.00		\$ 31,980.00		\$ 61,140.00
Park Improvements									
63	Remove Asphaltic Surface (existing paths)	SY	330	\$ 4.00	\$ 1,320.00	\$ 3.00	\$ 990.00	\$ 6.50	\$ 2,145.00
64	Excavation Common	CY	800	\$ 20.00	\$ 16,000.00	\$ 15.00	\$ 12,000.00	\$ 23.00	\$ 18,400.00
65	Prepare Foundation for Asphaltic Paving	LS	1	\$ 1,000.00	\$ 1,000.00	\$ 1,100.00	\$ 1,100.00	\$ 4,215.00	\$ 4,215.00
66	Finishing Roadway (Park Improvements)	EACH	1	\$ 1,600.00	\$ 1,600.00	\$ 1,330.00	\$ 1,330.00	\$ 2,800.00	\$ 2,800.00
67	Base Aggregate Dense 1 1/4 Inch (Street Repave)	TON	80	\$ 20.00	\$ 1,600.00	\$ 16.00	\$ 1,280.00	\$ 25.15	\$ 2,012.00

				Apparent Low Bid					
				DRAX INC.		HARMONY CONSTRUCTION MANAGEMENT		JOE DANIELS CONSTRUCTION CO., INC.	
Bid Item Number	Item Description	Units of Measure	Estimated Quantity	Unit Cost	Total Amount	Unit Cost	Total Amount	Unit Cost	Total Amount
68	Base Aggregate Dense 3-inch	TON	90	\$ 20.00	\$ 1,800.00	\$ 15.00	\$ 1,350.00	\$ 25.15	\$ 2,263.50
69	Tack Coat	GAL	5	\$ 2.60	\$ 13.00	\$ 2.00	\$ 10.00	\$ 2.20	\$ 11.00
70	HMA Pavement Type E-1 (includes asphaltic material)	TON	40	\$ 130.00	\$ 5,200.00	\$ 100.00	\$ 4,000.00	\$ 110.00	\$ 4,400.00
71	6" Concrete Paths	SY	750	\$ 60.00	\$ 45,000.00	\$ 51.75	\$ 38,812.50	\$ 47.25	\$ 35,437.50
72	Curb Ramp Detectable Warning Field	SF	30	\$ 45.00	\$ 1,350.00	\$ 31.25	\$ 937.50	\$ 31.50	\$ 945.00
73	Manhole Covers Type J	EACH	1	\$ 400.00	\$ 400.00	\$ 320.00	\$ 320.00	\$ 600.00	\$ 600.00
74	Manholes 4-FT Diameter	EACH	1	\$ 1,500.00	\$ 1,500.00	\$ 1,200.00	\$ 1,200.00	\$ 2,750.00	\$ 2,750.00
75	Shrubs (Arborvitae American, Container, 60-INCH Height)	EACH	6	\$ 120.00	\$ 720.00	\$ 98.50	\$ 591.00	\$ 105.00	\$ 630.00
76	Mobilization	EACH	1	\$ 500.00	\$ 500.00	\$ 1,200.00	\$ 1,200.00	\$ 3,000.00	\$ 3,000.00
77	Salvaged Topsoil	SY	950	\$ 3.00	\$ 2,850.00	\$ 2.40	\$ 2,280.00	\$ 4.25	\$ 4,037.50
78	Silt Fence	LF	300	\$ 2.00	\$ 600.00	\$ 2.00	\$ 600.00	\$ 22.00	\$ 6,600.00
79	Silt Fence Maintenance	LF	300	\$ 0.10	\$ 30.00	\$ 0.28	\$ 84.00	\$ 0.50	\$ 150.00
80	Mobilizations Erosion Control	EACH	1	\$ 500.00	\$ 500.00	\$ 400.00	\$ 400.00	\$ 175.00	\$ 175.00
81	Mobilizations Emergency Erosion Control	EACH	2	\$ 200.00	\$ 400.00	\$ 180.00	\$ 360.00	\$ 175.00	\$ 350.00
82	Seeding Mixture No. 40 (Madison Parks)	LB	21	\$ 20.00	\$ 420.00	\$ 15.00	\$ 315.00	\$ 16.00	\$ 336.00
83	Fertilizer Type B	CWT	1	\$ 100.00	\$ 100.00	\$ 85.00	\$ 85.00	\$ 100.00	\$ 100.00
84	Traffic Control	EACH	1	\$ 500.00	\$ 500.00	\$ 1,800.00	\$ 1,800.00	\$ 1,650.00	\$ 1,650.00
85	Water Service Lateral (1.5" copper)	LF	179	\$ 40.00	\$ 7,160.00	\$ 32.00	\$ 5,728.00	\$ 105.00	\$ 18,795.00
86	1.5-Inch Corporation, Curb Stop and Stand	EACH	1	\$ 900.00	\$ 900.00	\$ 720.00	\$ 720.00	\$ 1,175.00	\$ 1,175.00
87	Path Base Aggregate	SY	750	\$ 9.00	\$ 6,750.00	\$ 7.50	\$ 5,625.00	\$ 18.00	\$ 13,500.00
88	Sanitary Sewer Service (6" PVC SDR 35)	LF	163	\$ 40.00	\$ 6,520.00	\$ 32.00	\$ 5,216.00	\$ 123.00	\$ 20,049.00
89	Abandon Existing Services	EACH	2	\$ 1,800.00	\$ 3,600.00	\$ 1,580.00	\$ 3,160.00	\$ 2,275.00	\$ 4,550.00
90	Sand Beach Extension	SY	90	\$ 15.00	\$ 1,350.00	\$ 10.00	\$ 900.00	\$ 7.00	\$ 630.00
91	Landing	EACH	1	\$ 400.00	\$ 400.00	\$ 500.00	\$ 500.00	\$ 2,225.00	\$ 2,225.00
92	Shovel Cut Edging	LF	40	\$ 10.00	\$ 400.00	\$ 6.00	\$ 240.00	\$ 7.00	\$ 280.00
93	Shredded Hardwood Bark Mulch w/ Weed Barrier	SY	20	\$ 10.00	\$ 200.00	\$ 9.00	\$ 180.00	\$ 10.00	\$ 200.00
94	Repair Fence Connection	LS	1	\$ 200.00	\$ 200.00	\$ 1,500.00	\$ 1,500.00	\$ 1,500.00	\$ 1,500.00
95	Demolish Existing Restroom Facility	LS	1	\$ 5,000.00	\$ 5,000.00	\$ 4,400.00	\$ 4,400.00	\$ 8,000.00	\$ 8,000.00
96	Remove Sanitary Manhole	EACH	1	\$ 500.00	\$ 500.00	\$ 400.00	\$ 400.00	\$ 1,335.00	\$ 1,335.00
97	Sanitary Lateral Clean Out	EACH	1	\$ 500.00	\$ 500.00	\$ 310.00	\$ 310.00	\$ 350.00	\$ 350.00
98	Safety Fence	LF	330	\$ 3.00	\$ 990.00	\$ 6.10	\$ 2,013.00	\$ 6.50	\$ 2,145.00
99	Utility Line Opening (ULO - 1 water, 1 storm, 1 gas, 1 sanitary)	EACH	4	\$ 500.00	\$ 2,000.00	\$ 450.00	\$ 1,800.00	\$ 700.00	\$ 2,800.00
100	Grading and Shaping Park	LS	1	\$ 5,000.00	\$ 5,000.00	\$ 3,700.00	\$ 3,700.00	\$ 5,500.00	\$ 5,500.00
101	Remove and Dispose of Existing Items Containing Asbestos	LS	1	\$ 2,000.00	\$ 2,000.00	\$ 1,700.00	\$ 1,700.00	\$ 2,125.00	\$ 2,125.00
Subtotal Park Improvements:					\$ 126,873.00		\$ 109,137.00		\$ 178,166.50
Subtotal Park Site Work, 5.01 (Sediment Structures, Mechanical Dredging, Cove and Shoreline Restoration, and Park Improvements):					\$ 606,280.30		\$ 642,286.77		\$ 1,083,997.50

				Apparent Low Bid					
				DRAX INC.		HARMONY CONSTRUCTION MANAGEMENT		JOE DANIELS CONSTRUCTION CO., INC.	
Bid Item Number	Item Description	Units of Measure	Estimated Quantity	Unit Cost	Total Amount	Unit Cost	Total Amount	Unit Cost	Total Amount
5.02 BASE BID - RESTROOM FACILITY CONSTRUCTION									
General Work									
102	General Conditions (Include General Conditions for General Site Work)	LS	1	\$ 75,000.00	\$ 75,000.00	\$ 164,312.00	\$ 164,312.00	\$ 133,661.00	\$ 133,661.00
103	Concrete	LS	1	\$ 37,000.00	\$ 37,000.00	\$ 31,175.00	\$ 31,175.00	\$ 42,278.00	\$ 42,278.00
104	Masonry	LS	1	\$ 50,000.00	\$ 50,000.00	\$ 46,598.00	\$ 46,598.00	\$ 40,688.00	\$ 40,688.00
105	Metals	LS	1	\$ 7,000.00	\$ 7,000.00	\$ 881.00	\$ 881.00	\$ 1,830.00	\$ 1,830.00
106	Wood, Plastics and Composites	LS	1	\$ 9,000.00	\$ 9,000.00	\$ 50,096.00	\$ 50,096.00	\$ 51,382.00	\$ 51,382.00
107	Thermal and Moisture Protection	LS	1	\$ 4,000.00	\$ 4,000.00	\$ 26,438.00	\$ 26,438.00	\$ 15,340.00	\$ 15,340.00
108	Openings	LS	1	\$ 10,000.00	\$ 10,000.00	\$ 11,952.00	\$ 11,952.00	\$ 12,373.00	\$ 12,373.00
109	Finishes	LS	1	\$ 7,000.00	\$ 7,000.00	\$ 12,565.00	\$ 12,565.00	\$ 13,895.00	\$ 13,895.00
110	Specialties	LS	1	\$ 16,000.00	\$ 16,000.00	\$ 4,087.00	\$ 4,087.00	\$ 9,365.00	\$ 9,365.00
Subtotal General Work:					\$ 215,000.00		\$ 348,104.00		\$ 320,812.00
MEP Work									
111	Plumbing	LS	1	\$ 25,000.00	\$ 25,000.00	\$ 24,235.00	\$ 24,235.00	\$ 40,635.00	\$ 40,635.00
112	Mechanical	LS	1	\$ 6,700.00	\$ 6,700.00	\$ 5,875.00	\$ 5,875.00	\$ 5,350.00	\$ 5,350.00
113	Electrical	LS	1	\$ 26,000.00	\$ 26,000.00	\$ 29,192.00	\$ 29,192.00	\$ 29,285.00	\$ 29,285.00
Subtotal MEP Work:					\$ 57,700.00		\$ 59,302.00		\$ 75,270.00
Building Only Site Work									
114	Earthwork	LS	1	\$ 8,000.00	\$ 8,000.00	\$ 8,482.00	\$ 8,482.00	\$ 23,029.00	\$ 23,029.00
115	Exterior Improvements	LS	1	\$ 5,000.00	\$ 5,000.00	\$ -	\$ -	\$ 4,500.00	\$ 4,500.00
Subtotal Building Only Site Work:					\$ 13,000.00		\$ 8,482.00		\$ 27,529.00
Subtotal Restroom Facility, 5.02 (General, MEP, and Building Site Work combined):					\$ 285,700.00		\$ 415,888.00		\$ 423,611.00
PROJECT TOTAL: (Bid Tabs 5.01 and 5.02):					\$ 891,980.30		\$ 1,058,174.77		\$ 1,507,608.50



5211 SCHLUTER ROAD

MONONA, WI 53716-2598
CITY HALL (608) 222-2525
FAX (608) 222-9225
<http://www.mymonona.com>

February 24, 2016

RE: Schluter Park Improvements Project

Dear Property Owner:

On Wednesday, April 13, the City of Monona will host a public meeting to present information on the Schluter Beach and Park Improvements Project for 2016. The meeting will be held at 6:00 p.m. at the Monona Senior Center located in the lower level of Monona's Community Center at 1011 Nichols Rd. At this meeting, the City's engineering consultant, Vierbicher and Associates Inc., will present information on the scope and scale of the project, any street closures, and project timing.

The project will include dredging of Schluter cove as well as shoreline restoration along the park. The City will also be installing two storm water treatment devices at the head of the cove. These devices are designed to capture sediment that is floated by storm water runoff. One device will be located in the roadway adjacent to the park and the other in the park adjacent to the park's parking area. For more information on the location of these devices for this project, please refer to the attached map.

Property owners on the Schluter channel shoreline will receive assessments for the dredging portion of the project. The Public Works Committee will be holding a preliminary assessment public hearing at their meeting on April 6, 2016. Preliminary assessments will be based on the dredging bid costs received from the February 18, 2016 bid opening, and final assessments will be based on final costs of the dredging project once the project is completed. Preliminary assessment notices will be sent to the channel shoreline property owners in early March. The notices will include the preliminary assessment costs for each property and will discuss the payment process once the final notices are issued.

If you have any questions, please feel free to contact me at (608) 222-2525 or bbruun@ci.monona.wi.us.

Thank you,

Brad K. Bruun
Public Works Projects Manager

POLICE DEPARTMENT
5211 Schluter Road
222-0463

COMMUNITY CENTER
1011 Nichols Road
222-4167

MONONA SENIOR CENTER
1011 Nichols Road
222-3415

FIRE DEPARTMENT
5211 Schluter Road
222-2528

Sec. 6-1-12 Waterway Maintenance.

(a) Definitions.

(1) **Waterway.** Any navigable water body.

(2) **Navigability.** A waterway is navigable if it has bed and banks, and it is possible to float a canoe or other small craft in it at some time of the year.

(3) **Shoreline.** A line that connects all the ordinary high water marks on the banks or shore where the water is present.

(4) **Ordinary High Water Mark.** The point on the bank or shore where the water is present often enough so that the lake or stream bed begins to look different from the upland. Specifically, the ordinary high water mark is the point on the bank or shore up to which the water, by its presence or wave action or flow, leaves a distinct mark on the shore or bank. The mark may be indicated by erosion, destruction of/or change in vegetation, or other easily recognizable characteristics.

(5) **Cleaning Work.** Any effort that will result in the removal of the deposits on the bed and banks of a navigable waterway that occurred throughout the years, including mechanical dredging, hydraulic dredging, hand work cleaning, or work of a similar character.

(b) Assessment and Cleaning Process.

(1) **Application.** A written application may be made by any interested party to the City Engineer requesting consideration for the cleaning of a waterway and/or stabilizing of a shoreline. No application shall be processed unless accompanied by a fee as prescribed by Section 7-15-1. The fee shall be credited against any assessment for waterway maintenance but shall be otherwise non-refundable.

(2) **Application Review by City Engineer.** Upon receiving the written application the City Engineer (hereafter Engineer) shall conduct a preliminary review of the proposed work which shall include:

a. Rough cost estimate.

b. Recommendation on whether project design planning shall be performed by the City Engineer or an outside engineering firm.

c. Evaluation of project's environmental impact.

d. Consultation with the Department of Natural Resources to ascertain permit procedure/timetable.

e. Contact with affected/surrounding property owners to determine availability of construction easements.

f. Such other factors as deemed appropriate by the City Engineer.

g. Written recommendation to the Public Works Committee regarding the advisability of the project.

(3) **Hearing Before Public Works Committee.** Upon receipt of the Engineer's report the Public Works Committee shall hold a hearing on the application for the cleaning of a waterway and/or stabilizing of a shoreline. Notice shall be given to the public and affected property owners. The Public Works Committee shall determine the procedures to be utilized at any such hearing.

(4) **Decision of Public Works Committee.** The Public Works Committee may recommend approval or rejection of the project and shall in writing inform the public and affected property owners of its decision.

(5) **Report to/Consideration by Common Council.** Any project receiving a positive recommendation shall be recommended by the Public Works Committee for inclusion in the Capital Improvement Budget for the subsequent year City budget. The Common Council shall have final approval of all projects.

(6) Design/Planning.

a. Any project approved by the Common Council shall be designated and constructed in substantial compliance with the specifications prescribed by the Engineer or designee and

approved by the Public Works Committee. The final design plans shall include a recommendation as to the average distance to be utilized in assessment calculations.

- b. If during the design/planning process problems exist which in the opinion of the Engineer change the scope or nature of the project and/or make the project unfeasible, which shall include but not be limited to increased costs, inability to secure necessary easements, unwillingness of property owners to remove temporary structures, or any other substantial concern, the Engineer shall make a report to the Public Works Committee which shall then recommend to the Council whether to proceed with the proposed project.

(7) Assessment and Cleaning Process-Lakefront. (This section amended per Ordinance 4-11-623, adopted May 2, 2011.)

- a. Following review and approval of the project's final design plan, the cost of the proposed cleaning work shall be specially assessed pursuant to the following schedule:
- b. Seventy Percent (70%) Abutting Property Owners and Thirty Percent (30%) City-For any cleaning work within fifty (50) foot average distance from the shoreline. For any cleaning work of a total width of fifty (50) foot average or less.
 1. Sixty Percent (60%) Abutting Property Owners and Forty Percent (40%) City-For any cleaning work which extends from the shoreline more than fifty (50) and less than one hundred (100) foot average distance. For any cleaning work of a total width of fifty (50) feet and less than one hundred (100) feet average.
 2. Fifty Percent (50%) Abutting Property Owners and Fifty Percent (50%) City-For any cleaning work that extends from the shoreline one hundred (100) feet or more distance. For any cleaning work of a total width of one hundred (100) feet or more average.
 3. The average distance shall be the mean of the length of a set of parallel lines extended from the shoreline to the point of the dredging limits evenly spaced at ten (10) feet. Only one (1) assessment schedule per project shall apply.
- c. The assessment methodology shall utilize the meander line for calculation of frontage method. This assessment schedule shall not apply to shoreline stabilization. The City shall pay no costs for shoreline stabilization except pursuant to Subsection (b)(7)d below.
- d. Notwithstanding the above the City may elect to follow a different special assessment schedule when in the judgment of the Common Council, after review by the Public Works Committee, it would be inappropriate and unfair to apply the schedule set forth above.

(8) Assessment and Cleaning Work Policy-Lagoons, Rivers and Channels. (This section added per Ordinance 4-11-623, adopted May 2, 2011.)

- a. Following review and approval of the project's final design plan, the cost of the proposed cleaning work shall be specially assessed pursuant to the following schedule:
- b. Seventy Percent (70%) Abutting Property Owners and Thirty Percent (30%) City.
- c. The assessment methodology shall utilize the shoreline for calculation of frontage method. This assessment schedule shall not apply to shoreline stabilization. The City shall pay no costs for shoreline stabilization except pursuant to Subsection (b)(8)d below.
- d. Notwithstanding the above, the City may elect to follow a different special assessment schedule when in the judgment of the Common Council, after review by the Public Works Committee, it would be inappropriate and unfair to apply the schedule set forth above.
- e. City cost sharing for cleaning work associated with the Belle Isle channels shall occur no more often than once every 25 years.
- f. City cost sharing for cleaning work associated with the Cove Circle channel and Schluter Beach channel shall occur no more often than once every 15 years.

**Resolution No. 16-3-2085
Monona Common Council**

**A RESOLUTION ESTABLISHING A SPECIAL ASSESSMENT SCHEDULE
FOR DREDGING OF THE SCHLUTER BEACH CHANNEL**

WHEREAS, Ordinance 4-11-623, adopted May 2, 2011, established the assessment and cleaning work policy for lagoons, rivers and channels; and,

WHEREAS, per the above ordinance, Section 6-1-12 (b) (8) of the Code of Ordinances was created as follows:

(8) Assessment and Cleaning Work Policy – Lagoons, Rivers and Channels

- a. Following review and approval of the project's final design plan, the cost of the proposed cleaning work shall be specially assessed pursuant to the following schedule:
- b. Seventy Percent (70%) Abutting Property Owners and Thirty Percent (30%) City.
- c. The assessment methodology shall utilize the shoreline for calculation of frontage method. This assessment schedule shall not apply to shoreline stabilization. The City shall pay no costs for shoreline stabilization except pursuant to Subsection (b)(8)d below.
- d. Notwithstanding the above, the City may elect to follow a different special assessment schedule when in the judgment of the Common Council, after review by the Public Works Committee, it would be inappropriate and unfair to apply the schedule set forth above.
- e. City cost sharing for cleaning work associated with the Belle Isle channels shall occur no more often than once every 25 years.
- f. City cost sharing for cleaning work associated with the Cove Circle channel and Schluter Beach channel shall occur no more often than once every 15 years.

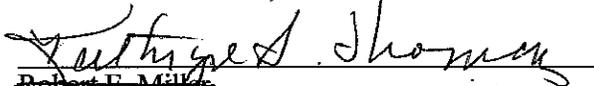
WHEREAS, in accordance with Section 6-1-12(b)(8)d above, the Public Works Committee is recommending that an alternate special assessment schedule be followed for the Schluter Beach Channel Dredging Project as follows:

The City of Monona will pay 90% of assessable costs, and the four residential parcel owners will pay the remaining 10% of assessable costs. The 10% assessable costs to the four parcel owners will be based on the shoreline for calculation of frontage method. The Schluter Park parcel is excluded from the 10% assessment cost share.

NOW, THEREFORE, BE IT RESOLVED that the Common Council of the City of Monona, Dane County, Wisconsin, hereby approves the alternate special assessment schedule as defined above for the Schluter Beach Channel Dredging Project.

Adopted this 4th day of April, 2016.

BY ORDER OF THE CITY COUNCIL
CITY OF MONONA, WISCONSIN


Robert E. Miller
Mayor (Acting)

ATTEST:


Joan Andrusz
City Clerk

Approval Recommended By: Public Works Committee – 3/31/16

Council Action:

Date Introduced: 3-7-16

Date Approved: 4-4-16

City of Monona - Department of Public Works
 2016 Schluter Beach Improvement Project - Dredging
 Preliminary Special Assessment Role
 Assessable Costs, Dollars Per Foot - \$46.17

No.	Parcel Number	Property Owner	Address	Shoreline Frontage	Assessed Frontage	Preliminary Assessment
1	71017152847	John Vanarsdale	4507 Winnequah Rd.	76.5	76.5	\$3,532.01
2	71017152730	Nancy Moore	4505 Winnequah Rd.	20	20	\$923.40
3	71017153006	Marjorie Kravitz	4400 Outlook St.	41.5	41.5	\$1,916.06
4	71017153088	Robert Kalejta	4402 Outlook St.	179	179	\$8,264.43
				317	317	\$14,635.90

Assessable Costs:

Design	\$20,445
O&A	\$3,220
Permit Reporting	\$450
Dredging	\$122,250
	\$146,365

Council Approved Ratio:

City of Monona Expense 90% Cost Requirement = \$131,728.50

Resident Parcel Expense 10% Balance = \$14,636.50 - to be assessed

Shoreline Frontage Method

Shoreline Frontage: 317'

Assessable Cost Per Foot: \$46.17

Resolution No. 16-5-2100
Monona Common Council

**A PRELIMINARY RESOLUTION DECLARING INTENT TO EXERCISE SPECIAL
ASSESSMENT POLICE POWERS UNDER SECTION 66.0703, WISCONSIN
STATUTES, IN THE CITY OF MONONA, DANE COUNTY, WISCONSIN, FOR
DREDGING WORK TO SCHLUTER PARK CHANNEL**

WHEREAS, the Common Council determines it is necessary to dredge the Schluter Park Channel in the City of Monona.

NOW THEREFORE, the Common Council of the City of Monona, Dane County, Wisconsin, hereby resolves as follows:

1. The Common Council of the City of Monona hereby declares its intention to exercise its police power pursuant to Section 66.0703, Wisconsin Statutes, to levy special assessments upon the properties within the following described assessment district for special benefits accruing to such property by the dredging of the lagoons:

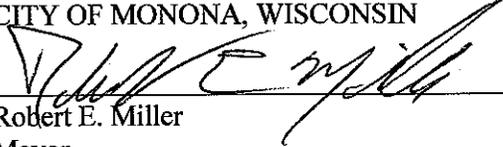
All residential property with shoreline frontage on Schluter Park Channel; and,

And as specifically detailed on the attached map.

2. The Common Council determines that the improvements constitute an exercise of police power for the health, safety and general welfare of the city and its inhabitants; and the amount assessed against each parcel shall be made upon a reasonable basis, considering construction costs, and related engineering, contingency and administrative costs.
3. The total amount assessed against the properties in the above described project area shall not exceed ten percent (10 %) of the cost of improvements to the City of Monona. The amount assessed against each parcel shall be based on Title 6, Chapter 1 of the Monona Code of Ordinances.
4. The assessments against all parcels may be paid in cash or in the number of installments to be determined at the public hearing on the proposed assessments, and according to the final resolution of the Common Council as may be hereinafter adopted.
5. The Director of Public Works shall prepare a report which shall consist of:
 - a. Preliminary plans and specifications for the improvements.
 - b. An estimate of the entire cost of the proposed improvements.
 - c. A schedule of the proposed assessments.
6. When the report is completed, the Director of Public Works shall file a copy of the report with the City Clerk for public inspection.
7. Upon receipt of the above report, the City Clerk shall prepare a notice stating the date, time and place of the public hearing on the matters contained in this preliminary resolution and the report, as required by section 66.0703(7), Wisconsin Statutes. The hearing shall be held at the date, time and place set by the City Clerk in said notice.

Adopted this 7th day of May, 2016.

BY ORDER OF THE CITY COUNCIL
CITY OF MONONA, WISCONSIN



Robert E. Miller
Mayor

ATTEST:



Joan Andrusz
City Clerk

Council Action:

Date Introduced: 5-2-16

Date Approved: 5-2-16

Date Disapproved: _____

**CITY OF MONONA
NOTICE OF PUBLIC HEARING ON SPECIAL ASSESSMENTS FOR
SCHLUTER PARK CHANNEL DREDGING**

PLEASE TAKE NOTICE that the City Council, City of Monona, WI, shall hold a public hearing at 7:30 p.m. on Monday, May 16, 2016 at Monona Library Media Room, lower level, to receive public comments on their intent to levy special assessments upon property within the following described assessment district pursuant to Ch. 66.0703 Wis. Stats. for benefits conferred upon such property for dredging of Schluter Park Channel;

Residential properties with shoreline frontage on Schluter Park Channel within the City of Monona.

A report showing proposed plans, estimated costs of improvements, and proposed special assessments is on file in the City Clerk's office, 5211 Schluter Road, and may be inspected there during any business day between the hours of 8:00am and 5:00pm Monday through Friday. These documents are also available at www.mymonona.com.

You are further notified that City Council will hear all interested persons, or their agents or attorneys, concerning matters contained in the preliminary resolution authorizing the assessments and in the report described above at said hearing. All comments will be considered at this hearing prior to action on the resolution.

Joan Andrusz
City Clerk

Publish in the Herald Independent on May 5, 2016.

City of Monona – Public Works & Utilities

5211 Schluter Road
Monona, Wisconsin 53716
Phone: 608-222-2525
Fax: 608-222-9225
Website: www.mymonona.com



May 5, 2016

RE: 2016 Schluter Park Channel Dredging

Dear Property Owner:

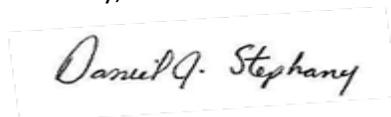
With the adoption of the City of Monona's 2016 capital budget, funds have been allocated to complete storm water improvements to the Schluter Park channel. The project scope includes dredging the Schluter Park Channel.

As per section 6-1-12 of the Code of Ordinances, the scheduled dredging improvements are subject to special assessments levied upon abutting properties. The Monona City Council, at its April 4, 2016 meeting, approved a resolution requiring the four residential property owners to pay 10% of the assessable costs for dredging. The assessments will be based on length per foot of shoreline frontage at an assessment rate of \$46.17 per foot. A copy of the Report of the City Engineer for this project is available for public review at City Hall during regular business hours (Mon-Fri, 8am-5pm), and on the City's website at www.mymonona.com/SchluterParkProject.

A public hearing is scheduled for the purpose of hearing all those persons, either for or against the proposed levying of special assessments. This public hearing will be held before the Monona City Council on Monday, May 16, 2016 at 7:30 p.m. in the Municipal Room of the Monona Public Library, 1000 Nichols Road.

If you have any questions, please feel free to contact me at (608) 222-2525, or by email at dstephany@ci.monona.wi.us.

Sincerely,



Daniel J. Stephany
Director of Public Works

**Resolution No. 16-5-2101
Monona Common Council**

**A FINAL RESOLUTION AUTHORIZING
LEVYING SPECIAL ASSESSMENTS AGAINST BENEFITED PROPERTIES
FOR DREDGING WORK TO SCHLUTER PARK CHANNEL**

WHEREAS, the Common Council adopted a preliminary resolution on May 2, 2016, declaring its intention to exercise its police power pursuant to Section 66.0703 of the Wisconsin Statutes to levy special assessments upon properties within a described assessment district for special benefits accruing to such properties by dredging of Schluter Park Channel (“the Project”); and,

WHEREAS, the Director of Public Works caused to be prepared a report describing the project plans, an estimate of the cost of the project, and the proposed assessments (“the Report”), which is incorporated herein by reference and available for inspection and copying during normal business hours at City Hall; and,

WHEREAS, the Common Council held a public hearing on May 16, 2016, for the purpose of hearing all interested persons concerning the preliminary resolution and Report concerning the Project and preliminary assessments against the benefitted properties, and heard all persons who desired to speak at the hearing.

NOW THEREFORE, the Common Council of the City of Monona, Dane County, Wisconsin, hereby resolves as follows:

1. The Report pertaining to construction of the above described public improvements, including plans specifications therefore, is hereby adopted and approved.
2. The improvements to be performed pursuant to the Report are hereby authorized and approved. The Common Council hereby finally determines to proceed with the improvements and directs that the improvements be carried out and paid for in accordance with this Resolution and the Report.
3. The work for the Project was previously advertised for bids and will be constructed in accordance with the Report.
4. Payment for the improvements shall be made by assessing 10 % of the cost to the four residential properties benefitted as indicated in the Report in accordance with the City’s police power under sec. 66.0703, Wisconsin Statutes, and section 6-1-12 of the Monona Code of Ordinances.
5. The assessments shown on the Report represent an exercise of the police power are determined on a reasonable basis and are hereby confirmed.
6. The assessments shall be due within 45 days of billing date. Assessments may be paid in cash or in 8 annual installments. Installments shall be placed on the next tax roll after the due date for collection and shall bear interest at the rate of 3.5% per annum on the unpaid balance from January 1 of the year following the levy. Installments or assessments not paid when due shall bear additional interest on the amount due at the rate of 12 % per annum; and shall be extended upon the tax roll as a delinquent tax against the property

and all proceedings in relation to the collection, return and sale of property for delinquent real estate taxes apply to the special assessment, except as otherwise provided by statute.

7. The city clerk shall publish this resolution as a class 1 notice in accordance with Wisconsin Statutes and mail a copy of it and a statement of the final assessment against the benefitted properties, together with notice of installment payment privileges, to every property owner whose name appears on the assessment roll whose post office address is known or can with reasonable diligence be ascertained.

Adopted this _____ day of _____, 2016.

BY ORDER OF THE COMMON COUNCIL
CITY OF MONONA, WISCONSIN

Robert E. Miller
Mayor

ATTEST:

Joan Andrusz
City Clerk