

## MEMORANDUM

TO: Project, Programs and Operations Subcommittee

SUBJECT: Western Sarpy Clear Creek Levee Project  
Segment #3 Construction (Fairview Road to Lincoln Road)  
Irrigation Pivots Relocation

DATE: September 30, 2009

FROM: Martin P. Cleveland

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The Corps of Engineers design staff have determined that five irrigation (center pivots) units on Glasshoff and Horn properties will be impacted by levee construction on the referenced reach of the project. Enclosed is a location map. Segment #3 levee construction will be bid by the Corps in early October and construction will start as early as November 2009.

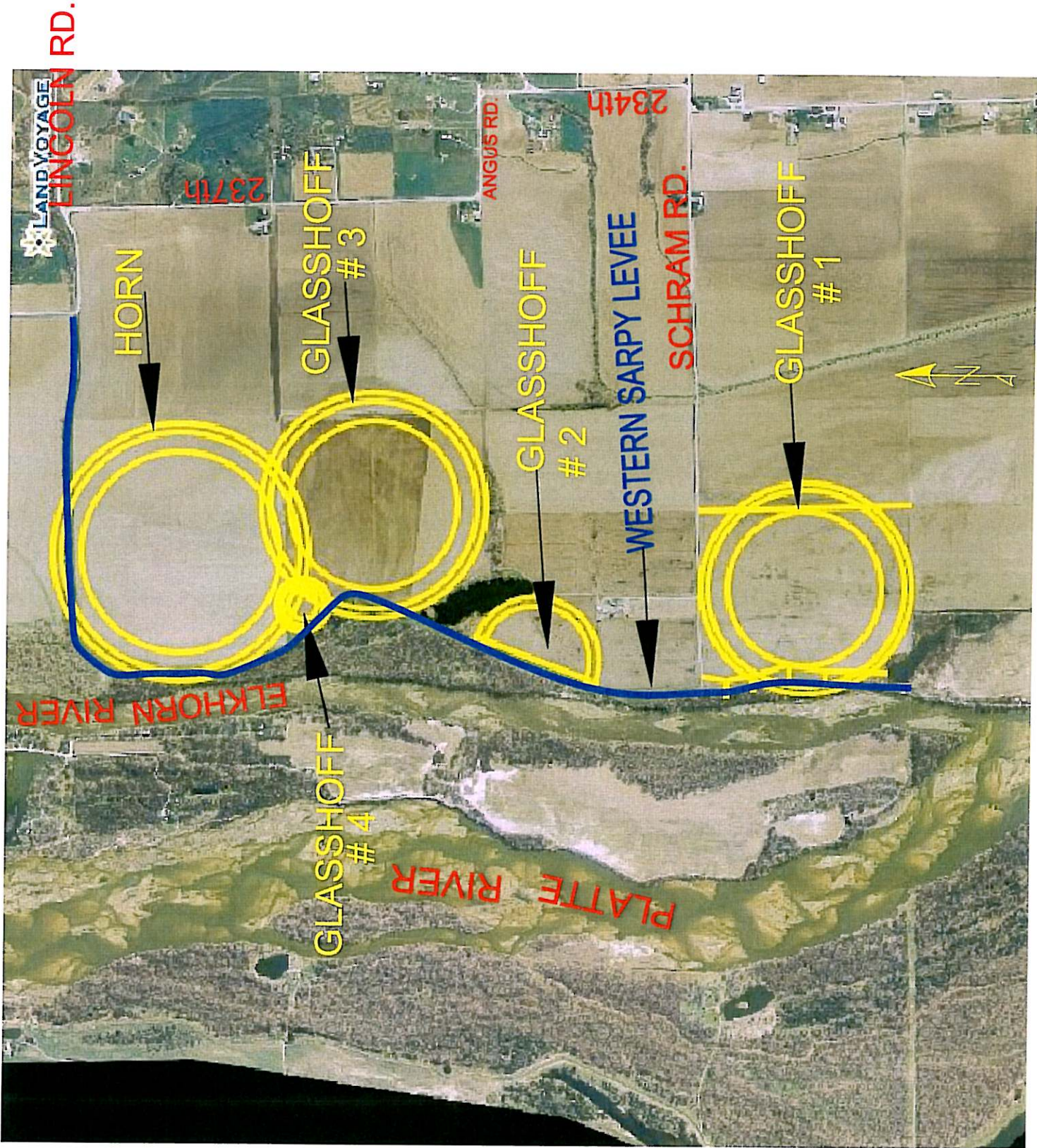
The District is responsible, as the local sponsor for all right-of-way acquisitions and relocations. This expense will count toward the District 35% cost share. Federal (Corps) will pay 65% of total project costs.

Enclosed is a proposal from Mid-Continent Irrigation (who installed and maintains the before mentioned pivot systems) for modifying the irrigation systems, so they can operate and not conflict (e.g. run over or sprinkle) with the new broadened levee cross-section for an estimated cost of \$183,135.00. The affected landowners provided "no cost" levee improvement easements over their properties (as much as 200 ft. wide) several years ago. Funding for this relocation work will come from Account No. 03 104430 (West Sarpy Land Rights, of which there is \$1,000,000 remaining as of September 4, 2009).

- **It is the Management's recommendation that the Subcommittee recommend to the Board that the General Manager be authorized to execute a contract with Mid-Continent Irrigation for the modification/relocation of five irrigation systems on Glasshoff and Horn properties for the Western Sarpy Clear Creek flood Relocation Project.**



WESTERN SARPY LEVEE - IRRIGATION PIVOT LOCATION MAP







## Mid-Continent Irrigation, Inc.

2930 West 23rd Drive, Fremont, NE 68025-8001

Tel: (402) 727-9373

Fax: (402) 727-4697

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9/25/09

Papio Missouri River NRD  
Attn: Martin Cleveland  
8901 S 154<sup>th</sup> St  
Omaha, NE 68138

RE: Sarpy County Levee Improvement Project

Dear Martin,

As outlined in the attached proposals, the irrigation units along the Sarpy County Levee must be moved and adjusted to properly fit the dimensions of the plans provided by the Army Corps of Engineers.

There are a total of 5 projects itemized on the following attachments totaling \$183,135.00. There is a potential deduction to bring equipment from one project to another for a savings of \$22,072.00. This deduction was requested by the owner Alvin Glasshoff to show his cooperation in saving the project funding. This would bring the total to \$161,063.00.

Thank you for your interest and I look forward to working to see all parties satisfied.

Sincerely,

Travis Freund  
President



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Papio Missouri River NRD  
Attn: Martin Cleveland  
8901 S 154<sup>th</sup> St  
Omaha, NE 68138

RE: Alvin Glasshoff Shorten Machine, Move, Corner Arm

Dear Martin,

The below proposal is to shorten existing 6 tower Valley Irrigation system, add corner unit and relocate the center point. This unit relates to tracks 13, 14, and 15.

Move Pivot	\$1,500.00
Remove 160' Span	\$500.00
New Pad 12' x 12'	\$1,200.00
Underground	\$4,500.00
Remove old Pad	\$750.00
Re-nozzle Entire Machine	\$9,500.00
Corner Machine Addition	\$49,485.00
Replace Generator with 15KW Lima	\$6,470.00
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Total	\$73,905.00

Note: No tax included in proposal

Travis Freund, President  
Mid-Continent Irrigation

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Papio Missouri River NRD



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Attn: Martin Cleveland  
8901 S 154<sup>th</sup> St  
Omaha, NE 68138

RE: Alvin Glasshoff Corner Machine Rework

Dear Martin,

The below proposal is to properly outfit the corner machine located along tracks 18 and 19, ensuring the water will properly shut off.

End Gun Shut Off Kit	\$1,744.00
7 Valve Switch Box	\$3,116.00
7 Valve Solenoid Box	\$3,324.00
28 - 3/4" Hydrovalves	\$3,808.00
Filter Assembly	\$688.00
Labor To Install Above Components	\$2,500.00
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Total	\$15,180.00

Note: No tax included in proposal

Travis Freund, President  
Mid-Continent Irrigation

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Attn: Martin Cleveland  
8901 S 154<sup>th</sup> St  
Omaha, NE 68138

RE: Horn Farm

Dear Martin,

The below proposal is the move existing 7 tower Valley corner irrigation unit, shorten, relocate, and reinstall underground wire.

Move Machine	\$2,500.00
140' Truss Kit	\$2,418.00
Shorten Span – Labor	\$1,500.00
Rebury New Wire	\$17,500.00
Underground	\$4,500.00
New Pad	\$1,200.00
Remove old Pad	\$750.00
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Total	\$30,368.00

Note: No tax included in proposal

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Travis Freund, President  
Mid-Continent Irrigation

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Papio Missouri River NRD  
Attn: Martin Cleveland  
8901 S 154<sup>th</sup> St  
Omaha, NE 68138

RE: Alvin Glasshoff, Move Windshield Wipe Pivot; Tracks 16, 17, 18

Dear Martin,

The below proposal is to move existing 4 tower Valley center pivot irrigation system related to tracks: 16, 17, and 18.

Move Pivot	\$2,500.00
Re configure underground	\$2,500.00
New Pad 20' x 20'	\$2,000.00
Move Stops	\$1,000.00
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Total	\$8,000.00

Note: No tax included in proposal

Travis Freund, President  
Mid-Continent Irrigation

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Attn: Martin Cleveland  
8901 S 154<sup>th</sup> St  
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RE: Alvin Glasshoff North Spinner Rework

Dear Martin,

The below proposal is to move and extend existing 1 tower Valley water driven pivot located along track 20.

Move Pivot	\$1,000.00
Pad 12' x 12'	\$1,200.00
End Gun Shut Off Kit	\$1,744.00
192' Span Cable	\$652.00
Classic Plus Panel	\$3,898.00
Center Drive	\$1,088.00
Collector Ring	\$828.00
End Of Field Stop w/Auto Reverse	\$2,146.00
2 - Post Style Barriers	\$3,580.00
Renozzle Entire Machine	\$1,500.00
Tower Box	\$772.00
2 HP Booster Kit	\$4,652.00
Labor to Install Above Components	\$2,000.00
Remove old pad	\$750.00
Under Ground	\$6,000.00
Span Adaptors	\$800.00
Mount Generator on Engine	\$1,000.00
185' Model 8000 Span	\$15,360.00*
10 KW Lima Generator	\$5,212.00*
Build Span	\$1,500.00*

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Total \$55,682.00

\*Deduct \$22,072 if we use components from far south field

Note: No tax included in proposal

A handwritten signature in black ink, appearing to read 'Travis Freund', written over a horizontal line.

Travis Freund, President  
Mid-Continent Irrigation

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Papio Missouri River NRD