



McDonough Associates Inc.  
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August 29, 2011

Village of Orland Park  
Department of Public Works  
15655 Ravinia Avenue  
Orland Park, Illinois 60462

Attn: Mr. Edward Wilmes  
Director of Public Works

Re: Proposal for Engineering Design (Phase II) Services  
Water Main – 143<sup>rd</sup> Street at Southwest Highway to Union Street

Dear Mr. Wilmes,

In response to the request and comments of Mr. John Ingram of your Department, MAI is pleased to present this Proposal to the Village of Orland Park for the design of a water system loop connection at 143<sup>rd</sup> Street and Southwest Highway/Union Street. We were requested to provide a proposal outlining 3 separate options to perform the work. Option 1 would include the water main work in the IDOT intersection improvement plans for the Southwest Highway re-alignment and 143<sup>rd</sup> Street work, pending IDOT approval. Option 2 would include the water main work in the IDOT improvement plans of 143<sup>rd</sup> at union without the Southwest Highway realignment, and Option 3 would be to replace existing aged mains on 143<sup>rd</sup> from the METRA crossing to Union Street, without re-alignment of Southwest Highway, as a stand-alone permit contract prior to the IDOT Improvement.

**Option 1 – Water main improvements to be part of the IDOT intersection improvement to re-align Southwest Highway - METRA crossing to west side of Union Street**

Under this option, a new water main will be designed to follow the new SW Highway alignment, if approved by IDOT, and the water main plans and specifications will be included as part of the IDOT Southwest Highway re-alignment plans. This will include development of plans and specs for approximately 440 feet of new 8-inch water main along the north side of the re-aligned Southwest Highway tying into the Union 8-inch water main on the west and an 8-inch near the east end of the realignment, 340 feet of new 12-inch water main along the north side of 143<sup>rd</sup> from the METRA crossing to approximately 60 feet west of the west ROW of Union, then south 80 feet across 143<sup>rd</sup>, with an 8-inch connection about 30 feet to the north valve on the existing Union 8-inch on the north side and an 8-inch connection about 80 feet to the south valve of the existing Union 8-inch main on the south side.

We propose a lump sum fee for Option 1 professional services of **\$22,700.00**. This includes application for any water main related permits, with fees – if any – to be paid by the Village.



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**Option 2 – Water main improvements to be part of the IDOT 143<sup>rd</sup> Street improvement if there is no approved re-alignment of Southwest Highway - METRA crossing to west side of Union Street**

Under this option, a new water main will be designed to replace aged mains from METRA to Union Street and the water main plans and specifications will be included as part of the IDOT 143<sup>rd</sup> Street improvement plans without a SW Highway re-alignment. This will include development of plans and specs for 140 feet of new 12-inch water main along the north side of 143<sup>rd</sup> from the METRA crossing to approximately 60 feet west of the west ROW of Union, then south 80 feet across 143<sup>rd</sup>, with an 8-inch connection about 30 feet to the north valve on the existing Union 8-inch on the north side and an 8-inch connection about 80 feet to the south valve of the existing Union 8-inch main on the south side.

We propose a lump sum fee for Option 2 professional services of **\$18,700.00**. This includes application for any water main related permits, with fees – if any – to be paid by the Village.

**Option 3 – METRA crossing to West side of Union Street without re-alignment of Southwest Highway – Complete bid set for water improvements to be done as an IDOT Permit Contract prior to the IDOT Road Improvements.**

This option is the development of a complete bid document including plans and specifications for the proposed water main to be constructed as an IDOT Permit Contract in this area if the realignment of Southwest Highway is not approved by IDOT to be included in the 143<sup>rd</sup> Street Improvement. The work will include development of bid documents for approximately 220 feet of new 12-inch water main to replace the existing 12-inch main from the northwest corner of Southwest Highway and 143<sup>rd</sup>, west across Union, then to tie into the Union 8-inch main and continue west to a point about 80 feet west of Union then south across 143<sup>rd</sup> Street, and 130 feet of new 8-inch water main along Union to replace the existing main between existing valves on north and south sides of 143<sup>rd</sup> Street. This work will most likely require trenchless installation under 143<sup>rd</sup> Street, and easements may be required for jacking/receiving, which is not included in this scope if timing with the future 143<sup>rd</sup> improvement is not possible.

We propose a lump sum fee for Option 2 professional services of **\$29,000.00**. This includes application for any water main related permits, with fees – if any – to be paid by the Village.

This proposal for the above options does not include design work necessitated by unforeseen conditions; extraordinary utility conflicts; and poor soils conditions. Any additional services requested by the Village or due to unforeseen conditions that would result in a change of Scope will not commence unless given prior authorization.

These services will commence immediately upon receipt from the Village of the Notice to Proceed on the selected option and will be completed in conjunction with the IDOT project schedule as applicable. If you have any questions regarding this proposal, please contact the undersigned. Thank you for the opportunity to be of service.



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Very truly yours,  
**McDONOUGH ASSOCIATES INC.**

A handwritten signature in black ink, appearing to read "Michael P. Hannemann", written in a cursive style.

Michael P. Hannemann, P.E.  
Sr. Vice President

Encls: Scope of Services and Fee

cc: F. Nathani, MAI  
A. Swanson, MAI  
S. Ravanese, MAI  
T. Werner, MAI  
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