

Outagamie County Request for Proposal 2023 Culvert Pipe & Storm Sewer

Attachment A – Special Provisions

1. General

Perform the work under this proposal for furnishing of Culvert Pipes and Storm Sewer Materials for Outagamie County, Wisconsin. Execute the work as specified in the Standard Specifications for Highway and Structure Construction of the Wisconsin Department of Transportation (Standard Specifications), current edition, the Additional Special Provision 6 (ASP-6), Wisconsin Department of Transportation Construction and Materials Manual (CMM), and these Special Provisions. References to the Department or State in the Standard Specifications shall, in most instances, mean Outagamie County. The term “Engineer” shall mean an authorized representative of the Outagamie County Highway Department. The special provisions in this proposal shall supplement and take precedence over the above-mentioned specifications.

If all or a portion of the plans and special provisions are developed in the SI metric system and the schedule of prices is developed in the US standard measure system, the department will pay for the work as bid in the US standard system.

2. Scope of Work

The work under this proposal consists of furnishing and delivering culvert pipe and related drainage materials and all incidental items necessary to complete the work as included in this proposal. Quantities listed are approximate and may be increased or decreased as necessary based on specific project need.

3. Prosecution and Progress

The Department will order materials for construction and maintenance projects on an “as needed” basis in advance of or during the current construction season. A response or receipt of ordered materials shall be made within five (5) working days of the original order, unless otherwise approved by the Department. In the event that no response is received within this timeframe, the Department reserves the right to request materials from an alternate supplier.

Delivery of ordered materials shall be within five (5) days of the original order, unless otherwise approved by the Department in writing. The Department reserves the right to receive material outside of the typical construction season, dependent upon weather conditions, availability, budgetary restraints, and other factors.

4. Delivery Location

All pricing reflected on the proposal form shall be based on materials delivered to any County highway project or County highway facility within Outagamie County. A current map of County highways is available from the Highway website or available upon request.

5. General Requirements for Pipe Culverts

A General

This special provision describes furnishing culvert pipe and drainage materials that are either picked up from the supplier's location (FOB), or delivered by the supplier to Department-approved locations.

Perform work in accordance to the applicable sections of the standard specifications and as follows.

B Materials

B.1 General

Furnish culvert pipe materials according to the pertinent requirements of sections 520, 521, 522, 525, 527, 530 and 608 of the Standard Specifications, CMM 550 and ASP-6.

B.2 Corrugated Steel Pipe, Round

Furnish corrugated steel pipe materials in accordance with section 521.2 of the Standard Specifications, including culvert pipe, bands, end sections, and miscellaneous hardware. Furnish pre-fabricated end sections that are compatible with the culvert pipe supplied to the Department.

Furnish polymer coated or aluminized steel pipe also in accordance with this section when requested by the Department.

B.3 Corrugated Aluminum Pipe, Round

Furnish corrugated aluminum pipe materials in accordance with section 525.2 of the Standard Specifications, including culvert pipe, bands, end sections, and miscellaneous hardware. Furnish pre-fabricated end sections that are compatible with the culvert pipe supplied to the Department.

B.4 Structural Steel Plate Pipe & Pipe Arches

Furnish structural steel or aluminum plate pipe arch materials in accordance with section 527.2 of the Standard Specifications, including culvert pipe, bands, end sections, and miscellaneous hardware. Furnish pre-fabricated end sections that are compatible with the culvert pipe supplied to the Department.

B.5 Reinforced Concrete Pipe & Storm Sewer

Furnish precast reinforced concrete pipe, storm sewer, and apron endwalls in accordance with sections 522.2 and 608.2 of the Standard Specifications, including gaskets, joint ties, and miscellaneous hardware. Furnish pre-fabricated end sections that are compatible with the culvert pipe supplied to the Department. Supply storm sewer to the appropriate Class as ordered by the Department.

B.6 Corrugated Polyethylene Pipe

Furnish corrugated plastic and polyethylene pipe materials in accordance with section 530.2 of the Standard Specifications, including culvert pipe, bands, and miscellaneous hardware. Furnish pre-fabricated steel end sections that are compatible with the culvert pipe supplied to the Department according to section 521.2 unless otherwise requested by the Department.

B.7 Culvert Pipe Liners

Furnish flexible pipe liners with a Manning's coefficient value published on the Wisconsin Department of Transportation's approved products listing. Upon delivery, provide manufacturer certificates of compliance certifying that the liners conform to properties shown in Table 1:

TABLE 1. Culvert Pipe Liner Specification

Pipe Type	ASTM Designation	ASTM D3350 Resin
High Density Polyethylene (HDPE)		
Profile Wall Pipe	F894	345463C
Solid Wall Pipe	F714	345463C
Polyvinylchloride (PVC)	F949	---

C Construction

Handle all materials and transport to the Department-approved location for delivery without causing damage to the culvert pipe or associated materials. Replace any defective materials at no additional cost to the Department. Refer to other provisions in this specification for additional delivery information.

D Measurement

The Department will measure the Culvert Pipe, Culvert Pipe Arch, Storm Sewer, and Culvert Pipe Liner items by the linear foot acceptably completed, measured in accordance with the applicable standard specification.

The Department will measure Apron Endwalls as each unit acceptably completed, measured in accordance with the applicable standard specification.

E Payment

The Department will pay for measured quantities at the proposed unit price under the following items:

<u>DESCRIPTION</u>	<u>UNIT</u>
Culvert Pipe Corrugated Steel (size)	LF
Culvert Pipe Corrugated Steel Polymer Coated (size)	LF
Culvert Pipe Corrugated Steel Aluminum Coated (size)	LF
Culvert Pipe Corrugated Aluminum (size)	LF
Pipe Arch Corrugated Steel (size)	LF
Pipe Arch Corrugated Steel Polymer Coated (size)	LF
Culvert Pipe Reinforced Concrete (Class) (size)	LF
Culvert Pipe Reinforced Concrete Horizontal Elliptical (Class) (size)	LF
Culvert Pipe Non-Metal (Class) (size)	LF
Culvert Pipe Liner (size)	LF
Apron Endwalls for Culvert Pipe Steel (size)	EACH
Apron Endwalls for Pipe Arch Steel (size)	EACH
Apron Endwalls for Culvert Pipe Reinforced Concrete (size)	EACH
Apron Endwalls for Culvert Pipe Reinf. Conc. Horiz. Elliptical (size)	EACH

Payment for Culvert Pipe, Culvert Pipe Arch, Storm Sewer, and Culvert Pipe Liner items is full compensation for furnishing culvert pipe and drainage materials and delivering to the Department for storage and/or use, or for furnishing culvert pipe and drainage materials to the Department for pick up by the Department or Department-hired firm at the supplier location (FOB); and for all incidental items necessary to complete the work included in this proposal. Additional requirements for payment are incorporated into this proposal by the applicable subsections of the respective standard specifications.

The Department will consider adjustments to unit pricing for any proposed unit price that increases or decreases in cost by more than 25%, as long as the cost increase/decrease is shown to be industry wide. Requests for price adjustments may be initiated by the contractor or the Department with applicable supporting documentation, and shall use the requirements of subsection 104.2.2.4.3 of the standard specification as a basis for considering an adjustment to the contract price.

Proposed unit prices shall remain in effect until March 31, 2024 unless otherwise adjusted as described above.

6. General Requirements for Storm Sewer Materials

A General

This special provision describes furnishing storm sewer pipe, catch basins, inlets, manholes, and drainage materials that are either picked up from the supplier's location (FOB), or delivered by the supplier to Department-approved locations.

Perform work in accordance to the applicable sections of the standard specifications and as follows.

B Materials

B.1 General

Furnish storm sewer pipe and associated drainage materials according to the pertinent requirements of sections 608 and 611 of the Standard Specifications, CMM 550 and ASP-6.

B.2 Reinforced Concrete Pipe & Storm Sewer

Furnish precast reinforced concrete pipe, storm sewer, and apron endwalls in accordance with sections 522.2 and 608.2 of the Standard Specifications, including gaskets, joint ties, and miscellaneous hardware. Furnish pre-fabricated end sections that are compatible with the culvert pipe supplied to the Department. Supply storm sewer to the appropriate Class as ordered by the Department.

B.3 Catch Basins, Manholes, and Inlets

Furnish precast catch basins, manholes, and inlets to the size and dimensions order by the Department, and in accordance with section 611.2 of the Standard Specifications, including bases, covers, gaskets, and miscellaneous hardware. Construct each structure to the depth and dimensions indicated on the construction/storm sewer detail drawings, approved shop drawings, or applicable standard detail drawing.

C Construction

Handle all materials and transport to the Department-approved location for delivery without causing damage to the culvert pipe or associated materials. Replace any defective materials at no additional cost to the Department. Refer to other provisions in this specification for additional delivery information.

D Measurement

The Department will measure the Storm Sewer Pipe items by the linear foot acceptably completed, measured in accordance with the applicable standard specification.

The Department will measure Apron Endwalls, Catch Basins, Inlets, and Manholes as each unit acceptably completed, measured in accordance with the applicable standard specification. For any custom order items (i.e. manholes of various depth), the Department will pay by the project-specific quote submitted to prefabricate each specific structure based on the approved shop drawings or plan details.

E Payment

The Department will pay for measured quantities at the proposed unit price under the following items:

<u>DESCRIPTION</u>	<u>UNIT</u>
Storm Sewer Pipe Reinforced Concrete (Class) (Size)	LF
Storm Sewer Pipe Reinforced Concrete Horizontal Elliptical (Class) (Size)	LF
Storm Sewer Pipe Non-Metal (Class) (size)	LF
Apron Endwalls for Culvert Pipe Reinforced Concrete (size)	EACH

Catch Basins (size)	EACH
Manholes (size)	EACH
Inlets (size)	EACH

Payment for Storm Sewer Pipe and Storm Sewer structure items is full compensation for furnishing pipe, structure, and associated drainage materials and delivering to the Department for storage and/or use and for all incidental items necessary to complete the work included in this proposal.

Additional requirements for payment are incorporated into this proposal by the applicable subsections of the respective standard specifications.

Addend subsection 611.5.2 of the standard specifications with the following:

Unit prices for storm sewer structure items shall be based on a typical 5-ft depth. For structures ordered that indicate a plan depth greater than 5-ft, the Department will pay for the additional depth by the vertical lineal foot at the proposed unit price, determined by taking the total structure depth and deducting 5-ft, measured from the top of structure to floor or outfall invert, whichever is greater.

The Department will consider adjustments to unit pricing for any proposed unit price that increases or decreases in cost by more than 25%, as long as the cost increase/decrease is shown to be industry wide. Requests for price adjustments may be initiated by the contractor or the Department with applicable supporting documentation, and shall use the requirements of subsection 104.2.2.4.3 of the standard specification as a basis for considering an adjustment to the contract price.

Proposed unit prices shall remain in effect until March 31, 2024 unless otherwise adjusted as described above.