



ST. CHARLES
SINCE 1834

AGENDA ITEM EXECUTIVE SUMMARY

Title:	Recommendation to Approve Change Orders for Red Gate Bridge Advanced Work Contract
Presenter:	James Bernahl

Please check appropriate box:

	Government Operations	X	Government Services 11.28.11
	Planning & Development		City Council
	Public Hearing		

Estimated Cost:	\$286,898.14	Budgeted:	YES	X	NO	
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If NO, please explain how item will be funded:

Executive Summary:

Discuss recommendation for the approval of change orders No. 3, 4, 5, 6 and 7.

Description of Request for Change Order's 3, 4, 5, 6 and 7:

- Change order request number 3 is for additional costs associated with unknown field conditions which increased the length of the proposed driven pile lengths and additional pile splicing required for same change. Unknown field conditions required the extension of the proposed driven pile lengths to assure proper bearing capacity for the proposed Fox River Trail Bridge over the existing bike path on the east side of the river. (\$42,528.00)
- Change order request number 4 is for the additional costs associated with the removal of existing unsuitable dumping materials that were present on site from former property owner on the IL Rt. 25 side. (\$4,834.27)
- Change order request number 5 is for additional costs for the installation of an under drain system due to the granular nature of the embankment materials. (\$13,769.62)
- Change order request number 6 is for additional costs associated with the removal of additional unsuitable dumping materials from fly dumping events on the IL Rt. 31 side. (\$7,797.37)
- Change order request number 7 is for installation of temporary causeway. (\$205,000.00)

These items have been budgeted for, and at present the construction project overall still remains below the original construction cost estimate.

Attachments: *(please list)*

- Copy of Change Orders Number 3, 4, 5, 6 and 7
- Copy of Change Order Master List

Recommendation / Suggested Action *(briefly explain):*

Recommend approval of change order requests 3, 4, 5, 6 and 7 for a total amount not to exceed \$286,898.14 (cumulative total).

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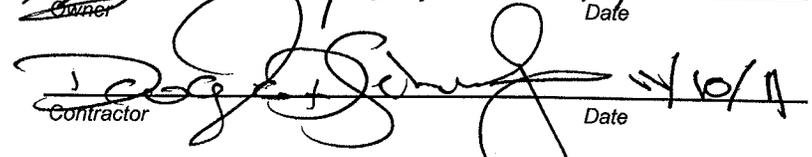
Agenda Item Number: 3.a

City of St. Charles Public Works Engineering Division

CHANGE ORDER	
PROJECT:	Red Gate Road Advance Contract
CONTRACTOR:	Herlihy Mid-Continent Co.
CONTRACT FOR:	
NO.	<u>3</u>
DATE:	<u>11/4/2011</u>
P.O. :	Budget Account :
You are directed to make the following changes:	
DESCRIPTION:	Additional pile furnished lengths, additional pile driven lengths, and splices of piles for the east and west abutments for the Red Gate Road bridge over the Fox River Trail.
PURPOSE OF CHANGE:	The contract plans called for the contractor to furnish and drive piles of estimated lengths at the east and west abutments of the Fox River Trail bridge. While driving the test piles at each location, it was determined that longer piles were necessary to obtain the required bearing.
ATTACHMENTS:	Explanation letter from geotechnical subconsultant, change order calculations and time and material sheets.
CHANGE IN CONTRACT PRICE	CHANGE IN CONTRACT TIME
Original Contract price: \$ 1,651,718.23	Original Contract deadline: October 31, 2011 + 14 working days
Previous Change Orders: \$ 39,702.50	Previous Change Orders: n/a
Contract Price prior to this Change Order: \$ 1,691,420.73	Contract deadline prior to this Change Order: October 31, 2011 + 14 working days
Net Increase (Decrease) of this Change Order \$ 55,496.90	Net Increase (Decrease) of this Change Order n/a
Contract price with all approved Change Order: \$ 1,746,917.63	Contract deadline with all approved Change Order: October 31, 2011 + 14 working days

RECOMMENDED:

 Resident Engineer 11.10.11
 Date

APPROVED:
 11/15/11
 Owner Date

 Contractor 11/10/11
 Date

It is determined that the circumstances necessitating this change order were not foreseeable at the time the original contract was signed, the change order is germane to the original contract as signed, and the change order is in the best interest of the City and authorized by law.

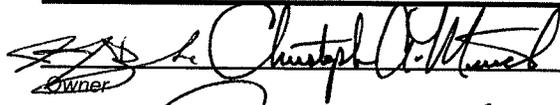
City of St. Charles Public Works Engineering Division

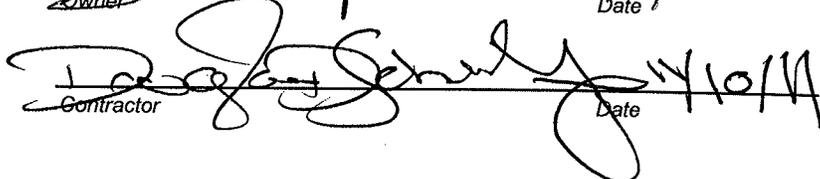
CHANGE ORDER	
PROJECT:	Red Gate Road Advance Contract
CONTRACTOR:	Herlihy Mid-Continent Co.
CONTRACT FOR:	
NO.	<u>4</u>
DATE:	<u>11/4/2011</u>
P.O. :	Budget Account :
You are directed to make the following changes:	
DESCRIPTION:	Excavation, removal, and disposal of spoil material found at approximately station 131+50 (near IL 25).
PURPOSE OF CHANGE:	After clearing the trees just to the west of IL 25, it was apparent that this area was previously used for "fly dumping" construction debris. The debris contained mainly broken concrete. This material was not suitable for embankment and needed to be disposed of.
ATTACHMENTS:	Time and material bill for this work.
CHANGE IN CONTRACT PRICE	CHANGE IN CONTRACT TIME
Original Contract price:	Original Contract deadline:
\$ 1,651,718.23	October 31, 2011 + 14 working days
Previous Change Orders:	Previous Change Orders:
\$ 95,199.40	n/a
Contract Price prior to this Change Order:	Contract deadline prior to this Change Order:
\$ 1,746,917.63	October 31, 2011 + 14 working days
Net Increase (Decrease) of this Change Order	Net Increase (Decrease) of this Change Order
\$ 4,834.27	n/a
Contract price with all approved Change Order:	Contract deadline with all approved Change Order:
\$ 1,751,751.90	October 31, 2011 + 14 working days

RECOMMENDED:

 Resident Engineer 11.10.11
 Date

APPROVED:


 Owner 11/24/11
 Date


 Contractor 11/10/11
 Date

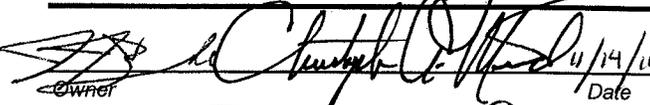
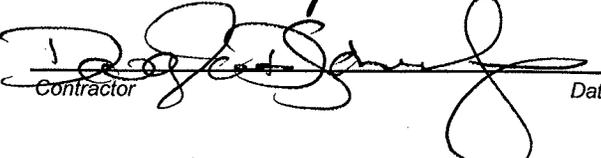
It is determined that the circumstances necessitating this change order were not foreseeable at the time the original contract was signed, the change order is germane to the original contract as signed, and the change order is in the best interest of the City and authorized by law.

City of St. Charles Public Works Engineering Division

CHANGE ORDER	
PROJECT: Red Gate Road Advance Contract	NO. <u>5</u> DATE: <u>11/4/2011</u>
CONTRACTOR: Herlihy Mid-Continent Co. CONTRACT FOR:	
P.O. :	Budget Account :
You are directed to make the following changes:	
DESCRIPTION:	Installation of underdrains and headwalls in the embankments east and west of the Fox River Trail bridge.
PURPOSE OF CHANGE:	Due to the granular nature of the embankment materials east and west of the Fox River Trail bridge, it was determined that underdrains were required to facilitate drainage of the interior of the embankments.
ATTACHMENTS:	Time and material bill for this work.
CHANGE IN CONTRACT PRICE	CHANGE IN CONTRACT TIME
Original Contract price: \$ 1,651,718.23	Original Contract deadline: October 31, 2011 + 14 working days
Previous Change Orders: \$ 100,033.67	Previous Change Orders: n/a
Contract Price prior to this Change Order: \$ 1,751,751.90	Contract deadline prior to this Change Order: October 31, 2011 + 14 working days
Net Increase (Decrease) of this Change Order \$ 13,769.62	Net Increase (Decrease) of this Change Order n/a
Contract price with all approved Change Order: \$ 1,765,521.52	Contract deadline with all approved Change Order: October 31, 2011 + 14 working days

RECOMMENDED:

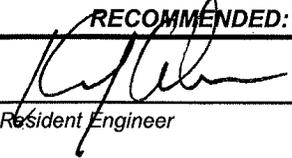
 Resident Engineer 11-10-11
 Date

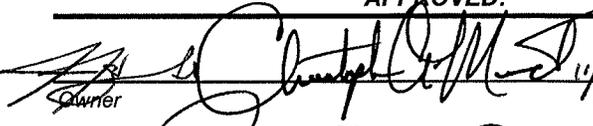
APPROVED:

 Owner 11/14/11
 Date

 Contractor 11/10/11
 Date

It is determined that the circumstances necessitating this change order were not foreseeable at the time the original contract was signed, the change order is germane to the original contract as signed, and the change order is in the best interest of the City and authorized by law.

City of St. Charles Public Works Engineering Division

CHANGE ORDER	
PROJECT: Red Gate Road Advance Contract	NO. <u>6</u> DATE: <u>11/4/2011</u>
CONTRACTOR: Herlihy Mid-Continent Co. CONTRACT FOR:	
P.O. :	Budget Account :
You are directed to make the following changes:	
DESCRIPTION:	Removal and disposal of construction debris near station 109+00 (bluff area west of the Fox River).
PURPOSE OF CHANGE:	After removal of the trees in the bluff area west of the Fox River, it was apparent that this area had been used for dumping construction debris. The debris was mainly broken concrete. The debris needed to be excavated, removed, and disposed of.
ATTACHMENTS:	Time and material bill for this work.
CHANGE IN CONTRACT PRICE	CHANGE IN CONTRACT TIME
Original Contract price: \$ 1,651,718.23	Original Contract deadline: October 31, 2011 + 14 working days
Previous Change Orders: \$ 113,803.29	Previous Change Orders: n/a
Contract Price prior to this Change Order: \$ 1,765,521.52	Contract deadline prior to this Change Order: October 31, 2011 + 14 working days
Net Increase (Decrease) of this Change Order \$ 7,797.37	Net Increase (Decrease) of this Change Order n/a
Contract price with all approved Change Order: \$ 1,773,318.89	Contract deadline with all approved Change Order: October 31, 2011 + 14 working days

RECOMMENDED:

 Resident Engineer 11.10.11
 Date

APPROVED:

 Owner 11/14/11
 Date

 Contractor 11/10/11
 Date

It is determined that the circumstances necessitating this change order were not foreseeable at the time the original contract was signed, the change order is germane to the original contract as signed, and the change order is in the best interest of the City and authorized by law.



Alfred Benesch & Company
205 North Michigan Avenue, Suite 2400
Chicago, IL 60601-5927
www.benesch.com
P 312-565-0450
F 312-565-2497

November 18, 2011

Mr. Mark Koenen, P.E.
Director of Public Works
200 Devereaux Way
St. Charles, IL 60174

Attention: Mr. James Bernahl, P.E.
Public Works Engineering Manager

Subject: CHANGE ORDER #7, HAUL ROAD AND CAUSEWAY CONSTRUCTION
Red Gate Road Extension over the Fox River – Advance Contract
Benesch Reference No. 10034

Dear Mr. Bernahl:

For the Red Gate Road Bridge over the Fox River, three piers will be constructed in the river. (Pier 4 is closest to the eastern edge of the river). In order to construct these three piers, temporary causeways or work platforms must be built around the perimeter of the pier footings. The causeways or work platforms will allow the contractor to bring in equipment and material while providing a safer work area.

As part of their permit allowing construction in the Fox River, the Illinois Department of Natural Resources (IDNR) has indicated that there is to be a “quiet period” in the Fox River from March 1, 2012 to June 15, 2012. This means that there is to be no disturbances to the river during this window of time. The contractor for the future Red Gate Road Bridge over the Fox River will not be able to construct the causeways or work platforms during the quiet period, but will be allowed to perform work on top of them.

The main Red Gate Road contract from IL 25 to IL 31 includes the construction of the bridge over the river. Construction of the haul road to the east side of the river and causeway adjacent to Pier 4 is currently to be completed as part of the main contract. However, this contract will be let, awarded, executed, and administered by the Illinois Department of Transportation (IDOT). The time it usually takes for IDOT to award and execute a contract will prohibit the bridge contractor from constructing the causeway adjacent to Pier 4 before the river quiet period begins on March 1, 2012. This delay, from March 1 to June 15, will have a significant impact on the completion of the bridge. It very well could postpone its' completion into late spring of 2013.

On October 31, 2011, Benesch sent a request (with plans and specifications) to Herlihy Mid-Continent Co. asking for pricing associated with the construction of a haul road to the east edge of the Fox River and a causeway in the river adjacent to Pier 4.

The sequence of the construction proposed as part of this change order is as follows:

1. Removal of selected trees from the eastern edge of the river to the new roadway embankment, just west of the Fox River Trail.
2. Installation of erosion and sediment control measures.
3. Construction of the haul road from the new embankment west of the Fox River Trail, to the eastern edge of the Fox River.
4. Installation of a turbidity curtain in the Fox River.
5. Construction of the causeway, in the Fox River, around the footing area of Pier 4.
6. Removal of the turbidity curtain.

All work in and/or near the Fox River will be performed in strict adherence with US Army Corps of Engineers, IDNR, and other regulatory agencies permits and policies.

We have reviewed the attached pricing from Herlihy and find it to be acceptable. We have compared their unit costs to prices on the Stearns Road projects and historical bid data from IDOT. The additional cost incurred as part of this change order will be offset through reductions (from work that will not need to be done) in the main contract.

Accordingly, Alfred Benesch & Company recommends that the City approve Change Order #7 for the HAUL ROAD AND CAUSEWAY CONSTRUCTION.

If you have any questions or comments, please don't hesitate to call me.

Sincerely,



Kevin J. Ahern, P.E.
Senior Project Manager/Resident Engineer

KJA:kja

City of St. Charles Public Works Engineering Division

CHANGE ORDER	
PROJECT: Red Gate Road Advance Contract	NO. <u>7</u> DATE: <u>11/17/2011</u>
CONTRACTOR: Herlihy Mid-Continent Co. CONTRACT FOR:	
P.O. :	Budget Account :
You are directed to make the following changes:	
DESCRIPTION:	Construction of a temporary haul road to the eastern edge of the Fox River and a temporary causeway in the river that will allow the construction of Pier 4 of the main bridge in the next contract.
PURPOSE OF CHANGE:	The construction of the causeway is necessary to build Pier 4 of the Red Gate Road bridge over the Fox River. Per the Illinois DNR, a "quiet period" that restricts disturbances to the Fox River will be in effect starting March 1. Installing the causeway now will allow work to proceed during the quiet period.
ATTACHMENTS:	Recommendation letter, contractor pricing, detailed specifications for the work.
CHANGE IN CONTRACT PRICE	CHANGE IN CONTRACT TIME
Original Contract price: \$ 1,651,718.23	Original Contract deadline: October 31, 2011 + 14 working days
Previous Change Orders: \$ 121,600.66	Previous Change Orders: n/a
Contract Price prior to this Change Order: \$ 1,773,318.89	Contract deadline prior to this Change Order: October 31, 2011 + 14 working days
Net Increase (Decrease) of this Change Order \$ 205,000.00	Net Increase (Decrease) of this Change Order 20 working days
Contract price with all approved Change Order: \$ 1,978,318.89	Contract deadline with all approved Change Order: October 31, 2011 + 34 working days

RECOMMENDED:

 Resident Engineer 11-17-11
 Date

APPROVED:

 Owner 11/22/11
 Date

 Contractor 11/22/11
 Date

It is determined that the circumstances necessitating this change order were not foreseeable at the time the original contract was signed, the change order is germane to the original contract as signed, and the change order is in the best interest of the City and authorized by law.



TEMPORARY HAUL ROAD BID ITEMS

REVISED 11/21/11

DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	BID PRICE
TREE REMOVAL	L SUM	1	\$26,000.00	\$26,000.00
TEMPORARY CAUSEWAY	L SUM	1	\$129,202.00	\$129,202.00
HAUL ROAD	EACH	1	\$40,968.61	\$40,968.61
PERIMETER EROSION BARRIER	FOOT	721	\$1.80	\$1,297.80
PERIMETER EROSION BARRIER, ROLLED EXCELSIOR	FOOT	300	\$7.58	\$2,274.00
TURBIDITY CURTAIN	FOOT	221	\$23.79	\$5,257.59
			TOTAL COST	\$205,000.00

Per Request changed Revised Scope of work to the Following:

- 1. Changed RR5 Stone to 3" RR1 Stone throughout entire causeway.**
- 2. Added a 3 ft. wide full depth collar of Class RR4 on the interior side of concrete blocks**
- 3. Eliminated RR3 stone for top of causeway**
- 4. Changed Haul Road Stone from RR2 to 12" Thick of Cert. CM-06 Stone**

The following items qualifies our lump sum extra work price:

1. The above lump sum price includes all materials, equipment and labor to complete all work contained in the plans and specs titled Temporary Causeway received from Benesch on 10/31/2011.
2. The schedule of work is dependent on having a low flow condition in the fox river. The duration of work is expected to be completed in 4 weeks.
3. Upon accepted completion of the haul road and causeway, Herlihy Mid-Continent Co. is not responsible for maintenance of the haul road and river causeway. **Should a washout occur, HMC would be available within a practical amount of time to repair any item at an agreed extra cost to the contract.**
4. Upon accepted completion of all work associated with this extra work, Herlihy Mid-Continent Co. is not responsible for any erosion control maintenance or weather event that would cause damage to any completed items.
5. HMC excludes any permits required to perform in-stream work

TEMPORARY CAUSEWAY

Description: This work includes the construction of a temporary causeway in the Fox River during the advance work for the construction of the Red Gate Road Bridge, in accordance with the plans and as directed by the Engineer.

The maximum foot print of the temporary causeway in the river shall be limited to 7,957 square feet, which corresponds to the dimensions given on the plans. In the event that these limits are incompatible with field conditions, the contractor shall notify the engineer immediately.

Materials: Granular Embankment shall be in accordance with Article 206.02 of the IDOT Standard Specifications.

Class RR5 and RR3 stone with 0% passing the 3 inch sieve shall be used in accordance with Article 1005.01(c) of the IDOT Standard Specifications. Stone shall be Quality A as per 1005.01 (a).

Geotextile Fabric shall be used in accordance with Article 1080.02 of the IDOT Standard Specifications.

Construction: In accordance with Section 205 of the IDOT Standard Specifications and as follows:

The contractor shall locate the causeway as indicated on the contract plans and place geotextile fabric between the stone and the streambed or ground line. A line of 4' x 4' nominally sized concrete deadmen shall be placed around the perimeter of the causeway for stability. The contractor shall construct causeway embankment with RR5 stone and a nominal 6" deep RR3 riding surface to the elevation indicated. The contractor shall choke the working surfaces with a 6" nominal depth of RR3 stone to provide a smoother finished surface.

The Contractor shall take utmost care to minimize disturbance of the riverbed at all times and to prevent suspension of riverbed material. If the Engineer determines that the Contractor's activities are producing undue disturbance of the riverbed and/ or riverbed material suspension, the Contractor shall stop the work and take corrective action before proceeding.

The proposed temporary causeway will have a top elevation of 691.00. The as-designed causeway hydraulic computations and hydraulic report will be made available to the Contractor upon request.

Preparedness, Prevention, and Contingency Plan (PPC). The Contractor shall prepare a Preparedness, Prevention, and Contingency Plan, which details procedures for preventing contamination of the causeway rock and addresses clean up procedures. Contamination includes, but is not limited to, fuel, hydraulic or lubricating fluids, cleaning solutions, dirt or other debris, which will cause pollution of the river. All personnel shall be familiar with the procedures outlined in the PPC Plan. The PPC Plan shall be submitted to the Engineer for review and approval prior to commencing causeway construction activities.

Temporary facilities may not be constructed using dumped fill or any other erodible material. Erodible material is defined as material subject to transport due to normal or high flows, or material which may not be 100% recoverable from the waterway. Crushed concrete or

reclaimed asphalt pavement will not be permitted.

The Contractor shall assume all risk of damage to his equipment and the work caused by inundation of his selected river access regardless of the flow event. No extension of time or compensation will be granted to the Contractor as a result of any river flow events that overtop and/or cause failure of his/ her system.

River Recreational Access: The Fox River is a public recreational and navigable waterway. The contractor shall furnish buoy lines to block off work areas and guide recreational users to open areas. This work shall be incidental to the cost of the causeway.

River Blackout Periods: Any construction impacting spawning in the river shall be coordinated with the Illinois Department of Natural Resources. The Contractor is alerted to the fact that the temporary causeway may not be installed or removed in the Fox River during the fish spawning period from March 1 to June 15. Other temporary facilities in the Fox River that are placed prior to March 1 may remain in use provided there is no direct disturbance to the water. Work may continue provided that construction activities do not result in temporary or permanent impacts to the Fox River. During the Fox River blackout period, the Contractor may maintain the temporary facilities already in place prior to the blackout.

The Contractor is responsible for conforming to the conditions, specifications and commitments of the final Federal and State permits necessary for construction in the Fox River, including the Section 404 (Army Corp Chicago District Regional Permit Program), Section 401 (Clean Water Act, Water Quality Certification), and IDNR-OWR (Part 3700 rules for Construction in Floodways of Rivers, Lakes, and Streams as well as Part 3704 for Regulations of Public Waters as well as Part 3708 for Floodway Construction in Northeastern Illinois) permits. Additionally, requirements of the Kane-DuPage Soil and Water Conservation District shall be adhered to. St. Charles has submitted the permit applications with site specific information related to anticipated access requirements, construction techniques, Fox River hydraulic analysis, and avoidance and minimization efforts within the Fox River and jurisdictional waterway areas highlighted as part of the permit application.

The Contractor shall be solely responsible for preparing and submitting any additional information, exhibits and plans necessary to revise the existing permit prior to construction activities in the Fox River, including all information related to site-specific information that deviates from information previously submitted by the City for the purpose of securing the permit for this project. The Contractor is alerted to the fact that deviations from the site-specific information previously submitted for permit approval could result in significant delays with respect to securing the necessary permits for construction in the waterway. No extension of time or compensation will be granted to the Contractor as a result of any delay in securing the permit resulting from deviations in the site-specific information related to the Contractor's proposal.

Method of Measurement: This work will be measured for payment as a single lump sum item. All materials, structures, signage, buoys, and appurtenances required for any and all of the proposed and/or required construction stages shall be included in the single lump sum item.

Basis of Payment: This work will be paid for at the contract lump sum price for TEMPORARY CAUSEWAY, which shall include all labor, equipment, materials, cleanup and restoration in the event of failure or overtopping, removal and disposal of materials and structures placed in the river, engineering costs, and all other items necessary to complete the work as specified herein.

TURBIDITY CURTAIN

Description: This work shall include all labor, materials, and equipment necessary for the installation of the TURBIDITY CURTAIN.

Cleaning and maintenance of the turbidity curtain will be completed as required. The turbidity curtain shall be removed after installation of causeway and shall be included in the cost of the item.

The development and maintenance of the turbidity curtain and dewatering basin shall be coordinated with the Erosion and Sediment Control representative on site.

The curtain shall include the following characteristics, such as Style 250EX, a nonwoven polypropylene fabric supplied by Thrace-LINQ, Inc., or approved equal:

PROPERTY	TEST PROCEDURE	METRIC		ENGLISH	
		MARV		MARV	
Grab Tensile Strength	ASTM D-4632	1202	N	270	lbs
Grab Elongation	ASTM D-4632	50	%	50	%
Trapezoid Tear	ASTM D-4533	445	N	100	lbs
Puncture	ASTM D-4833	690	N	155	lbs
Puncture (CBR)	ASTM D-6241	3226	N	725	lbs
Mullen Burst	ASTM D-3786	3171	kPa	460	psi
Permittivity	ASTM D-4491	1.2	sec ⁻¹	1.2	sec ⁻¹
A.O.S.	ASTM D-4751	0.15	mm	100	U.S. Sieve
UV Stavility (500 hrs)	ASTM D-4355	70	%	70	%
Water Flow Rate	ASTM D-4491	3463	Lpm/m ²	85	gpm/ft ²

MARV: Minimum Average Roll Value

Apparent Opening Size (AOS) properties are Maximum Average Roll Values

Method of Measurement: This work is measured for payment in square yards in place.

Basis of Payment: This work will be paid for at the contract unit price per FOOT for TURBIDITY CURTAIN, and shall include both installation and removal of the item.

PERIMETER EROSION BARRIER, ROLLED EXCELSIOR

Description: This Work shall conform to Article 280.04 of the Standard Specifications, except as modified herein or on the plans.

Method of Measurement: This work shall be measured for payment in place per foot.

Basis of Payment: The work shall be paid at the contract price per foot for PERIMETER EROSION BARRIER, ROLLED EXCELSIOR. The price shall include all necessary labor, material and equipment needed to install the work described herein and as specified on the plans.

TEMPORARY HAUL ROAD

Description: This work includes the construction of a temporary haul road to access the temporary causeway in the Fox River during the advance work for the construction of the Red Gate Road Bridge, in accordance with the plans and as directed by the Engineer.

The temporary haul road shall be limited to the dimensions given on the plans. In the event that these limits are incompatible with field conditions, the contractor shall notify the engineer immediately.

Materials: Class RR 2 stone shall be in accordance with Article 1005.01(c) of the IDOT Standard Specifications. Stone shall be Quality A as per 1005.01 (a).

CA-6 stone shall be in accordance with Article 1004.01(c) of the IDOT Standard Specifications.

Geotextile Fabric shall be used in accordance with Article 1080.02 of the IDOT Standard Specifications.

Construction: In accordance with Section 205 of the IDOT Standard Specifications and as follows:

The contractor shall locate the haul road as indicated on the contract plans, clear all vegetation, and place geotextile fabric between the stone and the ground surface within the area of the haul road. The contractor shall construct the haul road with a nominal 12" layer of RR 2 stone. The contractor shall then choke the working surfaces with a 6" nominal depth of CA-6 stone to provide a smoother finished surface.

Method of Measurement: This work will be measured for payment as a lump sum item. All materials as noted above, and all equipment and labor required for any and all of the proposed and/or required construction stages shall be included in the lump sum price for this item.

Basis of Payment: This work will be paid for at the contract price per LUMP SUM for TEMPORARY HAUL ROAD, which shall include all labor, equipment, materials, maintenance, cleanup, and all other items necessary to complete the work as specified herein.

