

MEMORANDUM

TO: Park Advisory Commission

FROM: Colin Smith, Parks & Recreation Services Manager
Molly Wade, Water Treatment Services Manager

DATE: August 16, 2011

SUBJECT: Resolution to Recommend Amending Project Scope with TSP Environmental for Work at the Argo Headrace

Attached for your recommendation is a resolution to amend the project scope of a contract with TSP Environmental to design and construct a by-pass channel in the Argo Dam headrace and install two white water features in the Huron River.

City Council approved a contract with TSP Environmental on November 15, 2010 to perform work in the Argo Dam headrace that addressed deficiencies with the headrace embankment as detailed in the Consent Agreement, improved the Border-to-Border trail connection, and added two whitewater features in the Huron River.

Since the contract was approved in November 2010, the City learned that DTE has performed sediment sampling at numerous locations adjacent to their property on the south side of the Huron River, between the Allen Creek Drain and the Broadway Bridge. Initial test results indicate the need for a remediation plan to be formulated between DTE and the State. DTE has indicated they are pursuing an aggressive timeline for remediation and would like to perform the work in 2012.

Construction plans for the whitewater features of the Argo reconstruction necessitate work be performed in the river bank on the south side of the Huron River that borders the DTE property. As such, at this time it is not prudent to build the white water features in an area that will, as part of remediation, likely require the removal and rebuilding of the features.

DTE also recognizes that if the whitewater features were installed now, future remediation of the area would likely require removal and rebuilding of the features. DTE has asked the City to postpone the installation of the whitewater features until 2012 and have stated a commitment to pay for the construction of the whitewater features once remediation is successfully completed. Staff concurs with this approach. As a result, cost savings of \$163,636 are realized on the project.

During presentations at both PAC and City Council in 2010, interest was shown in exploring the possibility of improving the entrance to the Argo headrace. Currently the entrance to Argo headrace is through a narrow concrete culvert with very low head clearance. Preliminary construction cost estimates for modifying the entry into the headrace include removing the top of the culvert, adding grouted limestone to widen the

approach, construction of new concrete abutments, and installation of an arched prefabricated steel clear span bridge with concrete deck are approximately \$85,000. Cost savings realized from DTE assuming the cost for the white water features could allow for this amenity to be incorporated within the original budgeted amount for this project

As such, staff recommends amending the scope of the contract to enhance the entry area to the Argo Headrace to provide a more attractive and functional entrance. The cost of this improvement will be more than offset by the cost savings realized from DTE's commitment to paying for the white water features once remediation is accomplished.

RESOLUTION TO RECOMMEND AMENDING PROJECT SCOPE WITH TSP
ENVIRONMENTAL FOR WORK AT THE ARGO HEADRACE

Whereas, The City Council authorized a contract with TSP Environmental on November 15, 2010 for work including two whitewater features in the Huron River;

Whereas, DTE recently performed sediment sampling in the construction area of the white water features that revealed the need for remediation;

Whereas, DTE has committed to funding the construction of the whitewater features once remediation is complete;

Whereas, The entrance to the Argo headrace is unattractive and functions poorly and interest has been expressed in improving it;

Whereas, Funding is available to renovate the entrance to the Argo headrace as a result of cost savings realized by DTE's commitment to the future funding of the whitewater features.

RESOLVED, That the Park Advisory Commission recommends amending a contract with TSP Environmental to design and construct an improved entrance to the Argo Dam Headrace utilizing costs savings realized from DTE's commitment to funding the whitewater features approved as part of the original contract with TSP.

Prepared by: Colin Smith, Parks & Recreation Services Manager
Molly Wade, Water Treatment Services Manager