



CITY of NOVI CITY COUNCIL

www.cityofnovi.org

Agenda Item 1
February 12, 2007

SUBJECT: Approval of Resolution adopting the Storm Water Phase II Study Report and authorizing Administration to apply for a Clean Michigan Initiative grant for capital improvements to two regional storm water detention basins (Taft Road and Bishop basins).

SUBMITTING DEPARTMENT: Engineering *RJH*

CITY MANAGER APPROVAL *[Signature]*

EXPENDITURE REQUIRED	N/A
AMOUNT BUDGETED	N/A
APPROPRIATION REQUIRED	N/A
LINE ITEM NUMBER	N/A

BACKGROUND INFORMATION:

The Storm Water Master Plan Update adopted by Council in 2005 provided several recommendations for areas that require additional study. In July 2006, Council awarded a contract to Orchard, Hiltz & McCliment (OHM) to complete study work that is specifically related to 1) evaluating the effectiveness of Novi's regional storm water detention basins; and, 2) evaluating the degree of sedimentation that is taking place in Novi's water courses. The attached Storm Water Phase II Study report documents the results of OHM's evaluation of regional detention basins, which makes up the major portion of the study. (The sedimentation component of the study will be presented in a separate report.)

Prior to OHM's study, it was unclear whether several of the city's regional basins were functioning as designed. Based on this phase of the study, OHM reports that the city's regional storm water detention basins are performing satisfactorily, although most are in need of capital improvement to bring them to current storm water technology standards.

OHM conducted a detailed inventory of these basins and performed an analysis of their effectiveness towards meeting water quality standards, providing stream protection, and achieving flood control goals. OHM's original scope included a task to conduct a flow and capacity study of the Walled Lake Branch of the Middle Rouge River. Because this information was last modeled in 2005, city staff made the decision that re-modeling now would be premature, and that it made more sense to conduct the Middle Rouge flow/capacity study after the detention basin improvements recommended in OHM's report are implemented.

The Phase II Storm Water Study report provides a prioritized list of capital projects that are recommended for implementation in the near-term. The report details these recommendations and provides general project scopes and cost estimates for potential basin improvement projects. OHM has also outlined the required maintenance activities (and associated costs) that are necessary to keep the city's basins in good working order in the future.

OHM has identified an upcoming round of grants available through the State's Clean Michigan Initiative (CMI) program under the Clean Water Fund. If Council authorizes pursuing it, the grant would help fund the two highest priority basins in need of rehabilitation: the Taft Road basin located just north of the Lanny's Road/Grand River Avenue intersection along the Walled Lake Branch of the Middle Rouge River; and the Bishop basin, which is located just east of Meadowbrook Road on the north side of Grand River Avenue on Bishop Creek.

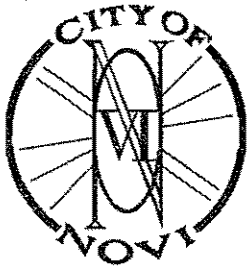
The estimated cost of these two projects is roughly \$300,000 and this CMI grant would entail a 50% cost share from the City of Novi or \$150,000.

The attached Resolution would adopt the Storm Water Phase II Study report and authorize city staff to apply for the current round of CMI grant funding for basin improvements. As future CMI grant opportunities arise, staff will similarly ask Council to approve the preparation of each grant application for subsequent improvements to other regional storm water detention basins in the city.

RECOMMENDED ACTION: Approval of Resolution adopting the Storm Water Phase II Study Report and authorizing Administration to apply for a Clean Michigan Initiative grant for capital improvements to two regional storm water detention basins (Taft Road and Bishop basins).

	1	2	Y	N
Mayor Landry				
Mayor Pro Tem Capello				
Council Member Gatt				
Council Member Margolis				

	1	2	Y	N
Council Member Mutch				
Council Member Nagy				
Council Member Paul				



AUTHORIZING RESOLUTION

STORM WATER PHASE II STUDY REPORT AND CMI GRANT APPLICATION

CITY COUNCIL

Mayor
David B. Landry

Mayor Pro Tem
Kim Capello

Bob Gatt

Terry K. Margolis

Andrew Mutch

Toni Nagy

Lynne Paul

City Manager
Clay J. Pearson

City Clerk
Maryanne Cornelius

- WHEREAS,** the Novi City Council awarded a contract to the consulting engineering firm of Orchard, Hiltz & McCliment to conduct a study of the effectiveness of the City of Novi's regional storm water detention basins; and,
- WHEREAS,** the City of Novi is an active participant of the Middle One Subwatershed Group working in concert toward the improvement and enhancement of the Rouge River Watershed; and,
- WHEREAS,** the tributaries and natural drainage courses that comprise the Middle One Rouge watersheds are subject to erosion, sediment loading, and nutrient loading thereby negatively affecting the water quality and natural habitat of the Middle Rouge River waterway; and,
- WHEREAS,** the City of Novi recognizes the importance of protecting the quality of Michigan's inland lakes and streams and has actively pursued water quality and pollution control measures through investigation and design of corrective actions for impacted areas of concern and submittal of grant applications to help fund such corrective measures; and,
- WHEREAS,** the Novi City Council undertook the study and revision of its 1983 Storm Water Master Plan and committed to implementation of recommendations contained in the 2005 Storm Water Master Plan Update; and,
- WHEREAS,** OHM's Storm Water Phase II Study report identifies several capital improvements to the city's regional storm water detention basins that would improve and enhance the Middle Rouge Subwatershed water quality by reducing flow variability, reducing soil erosion and sedimentation, and enhancing in-stream habitat in the Middle Rouge watersheds; and,
- WHEREAS,** the improvement of the city's storm water detention basins is consistent with the City of Novi's Storm Water General Permit, which mandates the implementation of water quality control measures issued by the Michigan Department of Environmental Quality and is identified in Novi's Storm Water Pollution Prevention Initiative (SWPPI) approved by Council.

NOW, THEREFORE, BE IT RESOLVED that the Mayor and City Council of the City of Novi hereby adopt the Storm Water Phase II Study report.

NOW, THEREFORE, BE IT FURTHER RESOLVED that the Mayor and City Council authorize the administration to apply for a current round Clean Michigan Initiative program grant to help fund improvements for the Taft Road and Bishop regional detention basins.

CERTIFICATION

I, Maryanne Cornelius, duly appointed Clerk of the City of Novi, do hereby certify that the foregoing is a true and complete copy of a resolution adopted by the City Council of the City of Novi at a Regular meeting held this 12th day of February, 2007.

Maryanne Cornelius
City Clerk

45175 W. Ten Mile
Novi, MI 48375
(248) 347-0460
(248) 347-0577 Fax
www.ci.novi.mi.us



"Enhancing Novi's quality of life"

Example of sign to be placed along the riparian buffer of each Regional Storm Water Detention Basin

(From Appendix D of the Storm Water Phase II Study report.)

