

ROCHESTER HILLS HISTORIC DISTRICTS COMMISSION

Application for Approval of Modification/Construction of Resource

(New Construction / Demolition)

(There is no fee for this Application)

NOTE: All information must be received at the Rochester Hills Planning and Development Department at least three (3) weeks prior to the Historic Districts Commission Meeting. Regular meetings are held on the second (2nd) Thursday of each month.

Address and Site: Tienken Road Bridge at Stony Creek
(Street Address)

Rochester Hills MI 48307
(City) (State) (Zip)

Location of Site: Tienken Road between Washington and Sheldon Roads

Sidwell Number: N/A - Tienken Road Right-of-Way

Requesting Approval For: (Check all that apply)

<input type="checkbox"/>	New Building	<input type="checkbox"/>	Residential
<input type="checkbox"/>	Addition	<input type="checkbox"/>	Commercial
<input type="checkbox"/>	Exterior Alteration	<input checked="" type="checkbox"/>	Other
<input type="checkbox"/>	Building Relocation		
<input checked="" type="checkbox"/>	Demolition		

Historic District Location: (Check one)

Stony Creek Winkler Mill Pond Non-contiguous

For an Existing Home/Structure: Year Built: 1947

History of site, structure(s), and building(s):

The existing bridge was designed in 1940, with construction completed in 1947. The bridge itself is not a historic structure and has been determined to be a non-contributing resource to the historical district by the City of Rochester Hills' staff, consultants. The existing structure consists of plain reinforced concrete abutments, reinforced concrete deck with an asphalt overlay supported on steel I-beams, with reinforced concrete safety shape traffic barriers.

Description of Proposed Work:

See attached sheet for proposed description of work.

NOTE:

Applicants are required to provide the following information to the Historic Districts Commission at least three (3) weeks prior to the meeting date.

In accordance with Chapter 118, Historical Preservation, of the Code of Ordinances for the City of Rochester Hills, the following information applies:

Sec. 118-161 *Permission required.* Before construction, alteration, repair, moving or demolition affecting the exterior appearance of a structure, or the construction of a new structure or part thereof, within a Historic District, the person proposing to take such action shall apply for and obtain permission to do so from the Historic Districts Commission. Permission is required regardless of whether a building permit is required.

August 20, 2009

City of Rochester Hills Historical District Commission
Tienken Road Bridge Replacement Project
Request for Approval

Description of Proposed Work

Remove existing +/- 29' wide bridge. Construct replacement bridge with 2-12' lanes and 2' shoulders with sidewalk on the south side only, separated from traffic with an approved 2-tube steel traffic barrier. Extend the existing pedestrian facility from its current termination on the south side of Tienken Road ~550' west of the bridge to ~170' east of the bridge. Extension of the pedestrian facility east of the proposed structure will require construction of a retaining wall to reduce impacts to the natural growth, flood plain impacts and ROW requirements. The retaining wall will be a Keystone type wall with the potential for adding plantings to the wall to reduce visibility of the wall itself.

The work will include the addition of guardrail/guardrail endings, west and east of the structure, in accordance with current standards. The existing mill race culvert is proposed to be extended to the south, beyond the proposed retaining wall. Proposed work will include the repaving of the approaches to the bridge, from approx. Clear Creek Drive (west of bridge) to approx Van Hoosen Road (east of bridge). Approach work to include removal and replacement of existing road surface, curb and gutter with drainage improvements. Roadway surface will be asphalt. Drainage improvements will consist of drainage structure adjustments, edge drain installation, curb and gutter remove/replacement with some drainage system adjustments as necessary etc. Driveway approach work will be completed to match the reconstructed road and will be replaced/repaved in kind. Grading beyond proposed curbs are generally within existing grassy areas, except in the SE quadrant of the bridge. The SE quadrant will have some brush removal in order to facilitate the construction of the retaining wall and pedestrian facility. The brush will be allowed to naturally re-establish immediately adjacent to the toe of the retaining wall over time.

The bridge will also incorporate a vintage pedestrian railing that resembles the railing used on the structure when constructed in 1947. The railings are proposed to be acquired from MDOT, refurbished and reinstalled as part of the project. This is dependant on obtaining City of Rochester Hills approval to cover the non-participating refurbishment costs for the railing and assume future maintenance of the vintage railing.

Attachments:

- 1) Preliminary plans for the Bridge replacement.
- 2) Detail sheet for vintage railing – Circa 1950
- 3) Current detail sheet for approved 2-tube traffic barrier
- 4) Literature regarding retaining wall type. Propose to use keystone type block, and/or plantable block type. In order to provide the maximum separation between the wall and existing watermain, minimize earth disruption, the wall design is preferred to be the nearly vertical wall. However, plantable block rows could be inserted approximately mid height to provide a growth medium to facilitate undergrowth re-establishment. Plans will be adjusted to reflect the above change.