COON CREEK WATERSHED DISTRICT
PERMIT REVIEW

MEETING DATE: February 11, 2013
AGENDA NUMBER: 14
FILE NUMBER: 12 - 096
ITEM: CSAH 17 and CSAH 18 Interchange

RECOMMENDATION: Approve with 1 Stipulation

APPLICANT: Anoka County Highway Department

PURPOSE: Intersection reconstruction, adding lights and turn lanes

LOCATION: Intersection of CSAH 17 (Lexington) & CSAH 18 (Crosstown) in Ham Lake, MN
APPLICABILITY:
   1. Any work in or adjacent to wetlands, lakes or water courses.
   2. One or more cumulative acres of land disturbance.
   3. Activities upstream from land that is dependent upon removal of water from the soil profile for their continued use (Drainage Sensitive Uses).

EXHIBITS:
   1. Construction Plans (5 sheets) by Anoka County Highway Department dated 10-05-12, received 01-16-13.
   2. Drainage Calculations by Anoka County Highway Department, dated 01-16-13, received 01-16-13.
   3. Preliminary Design map by Anoka County Highway, dated 01-16-13, received 01-16-13.

HISTORY & CONSIDERATIONS:
This project was submitted to the board 12-6-12 and was determined to be incomplete

FINDINGS:
Ditches and Drainage: There is not a public ditch on the property. The project site is tributary to County Ditch 44 through a direct private ditch connection to the roadside. The trend in land use for this drainage area is toward agriculture & residential. There are no flooding concerns downstream.

Floodplain: There is no floodplain on the property according to FEMA. The District model predicts the 100-year elevation for the subwatershed at 901.8 feet. The total floodplain impact is 0 acre-feet, within the flood/fringeway. Compensatory storage is not needed.

Groundwater: Surficial ground water is present at an unknown elevation. The site does not include groundwater sensitive areas. Information in not required to substantiate low floor elevations, no structures are proposed.

Historic Sites: The proposed project does not include sites of historic or archeological significance.

Local Planning & Zoning: The proposed project is consistent with local planning and zoning. There is an approved local water plan.

Maintenance: The proposed project does not include a ditch maintenance easement or utility line crossings. Property owners affected by changes in drainage have been notified and have acknowledged the changes proposed.
Soils & Erosion Control: Soils affected by the proposal are Lino and Isanti. Stabilizing vegetation is proposed for disturbed areas within two weeks of rough grading. Adjacent properties are protected from sediment deposition. All wetlands, waterbodies, ponds, infiltration basins and water conveyance systems are protected from erosion and sedimentation. Project site is greater than 1 acre; an NPDES permit is required.

Stormwater & Hydraulics: The applicant is meeting the volume management requirement to the greatest extent practicable. Stormwater leaving the site is discharged into a well-defined receiving channel or pipe and routed to a public drainage system. Drainage sensitive uses do exist down stream from the proposed site. The rate of post development runoff from the site does not exceed rates which would interfere with sensitive downstream land uses.

Water Quality: Project does not include new impervious drainage areas greater than 1 acre. The proposal will not detrimentally affect the existing water quality of the receiving water. The proposal will not cause extreme fluctuations of water levels or temperature changes.

Water Quality: Project does include new impervious drainage areas greater than 1 acre. All discharges into wetlands are not pretreated by a sediment basin/water quality pond and are not designed correctly. The proposal will not detrimentally affect the existing water quality of the receiving water. The proposal will not cause extreme fluctuations of water levels or temperature changes.

Wildlife: The proposed project does not include endangered & threatened species, rare natural communities, colonial waterbird nesting sites, migratory waterfowl concentration areas, deer wintering areas, wildlife travel corridors. No substantial adverse alteration or significant detrimental impact on a species food supply, security or reproductive cycle or the alteration or removal of a plant species will occur.

Wetlands: Wetlands do exist on-site according to the NWI, Soil Survey. Staff has visited the site. Staff recommends approval of the wetland boundary.

The project is not exempt.

The project is not wetland dependent.

The Project proposes 0.76 acres of Type 2 wetland impacts in 6 locations. All impacts are directly related to lane expansion and road slopes to add turn lanes and a signal to the intersection.

The applicant has provided three project alternatives.
1. No build
2. Additional signage with no turn lanes (considered an interim proposal)
3. Current proposal

The TEP has accepted alternative 3 as the most prudent and feasible alternative to alleviate public health safety and welfare concerns at this intersection.

Minimization efforts include:
1. Steepening of side slopes
2. Decreasing length of turn lanes to minimum standards for such an interchange
3. Keeping the road in a rural road section
4. Using painted median rather than raised median

The TEP has agreed that the applicant has minimized impacts to the maximum extent practical.

The project is proposing replacement at a 2:1 ratio Via the BWSR road bank for a total mitigation of 1.52 Acres
Information has been submitted to BWSR supporting this request.
BWSR Staff has determined the application for replacement using the Road bank at this time is acceptable.

**Escrows:** Escrows have not been paid.

**Performance Escrow:** $1500 + (10 acre *200/acre) = $3,500.00

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<th>ISSUES/CONCERNS</th>
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**CONCLUSIONS:** This project does meet District standards. Performance Escrows must be submitted prior to issuance of a Permit.

**RECOMMENDATION:** Approve with 1 Stipulation

**Stipulations:**
1. Receipt of escrows.