

AWSMP Highway Managers Meeting Minutes
March 5, 2015
8:30am to 10:30am
AWSMP Office, Shokan

In attendance:

Kirk Peters, UC DPW
Andrew Emrich, UC DPW
Leslie Zucker, CCEUC
Danyelle Davis, NYC DEP
Eric Hofmeister, Town of Shandaken
Mike Reynolds, Town of Woodstock
Tom Story, NYS DOT
Doug DeKoski, NYC DEP
Adam Doan, UCSWCD

Project Updates/Plans for 2015:

Ulster County Dept. of Public Works

County Route 47 Culvert Replacement and Maben Hollow Bridge Repair and Expansion: SMIP grants terminated. Maben Hollow project received 100% FEMA funding. Cty Rt 47 (Fischer Bridge) is still going through FEMA appeal.

A few bridge rehabilitation projects and slope stability projects planned outside the watershed. Includes bridge replacement in Denning. Still waiting on FEMA review of HMGP funding request for Esopus Creek work downstream of McKenley Hollow.

Mine Hollow Culvert replacement SMIP: will require additional survey work to advance design.

Town of Shandaken

Fox Hollow Creek at Herdman Rd, Fox Hollow Creek at Fox Hollow Rd, Woodland Creek at Fawn Hill Rd: Town's engineer MMI has completed initial field assessment and submitted preliminary design reports. MMI to complete 60% phase before next SMIP grant funding round in March-May. Shandaken to send AWSMP digital copies of MMI conceptual submissions for these three SMIP projects.

Fawn Hill: After 60% phase complete, request pricing for final design and bid document completion from MMI.

Herdman Rd: Town will construct at time of bridge replacement.

Fox Hollow Rd: Not sure which way construction will go. Can ask consultant to write scope, provide pricing and timeline, and pull plug later when decide.

Town will replace Herdman Road bridge (Fox Hollow) with possible 16-ft concrete deck bridge and may install scour protection.

Town is assessing replacement of two round culverts right after camp site in Woodland Valley for replacement with single culvert (are the culverts creating hydraulic constriction?). UCSWCD to follow up with Shandaken on assessing constriction.

Fawn Hill bridge in Woodland Valley will likely require replacement within 10 years.

Engineers working on the Phoenicia broken water main that crosses over the Bridge Street bridge have reported the bridge is in very poor shape.

Town of Woodstock

Silver Hollow Creek at Silver Hollow Rd: Looking at damaged culvert on Lane Rd. This project moved onto NY Rising funding. The SMIP grant request was terminated.

Beaverkill at Mink Hollow: Town requested AWSMP site visit to assess whether/what additional work is needed. Constructed riffle for grade control is working well. If additional work does not move forward, consider using remaining funds for as-built survey to provide baseline for future monitoring.

Town is concerned about the Mink Hollow bridge site. NY Rising will not fund stream work here. Requested AWSMP investigate the site with Woodstock.

Town of Olive

Dry Brook at Hillside Drive: Peak Engineering out of Stone Ridge (Scott Davis) is working on engineering for Hillside Bridge. Town is investigating an open bottom bridge.

Town of Hurley

No report this meeting.

NYS Department of Transportation

Large amount of work planned for Route 212 from Route 28 to Wittenburg Rd. Will replace a culvert before bridge and address slope failure about 3 miles up Rt. 212. Close to final design for the project. Will carry out maintenance and ditching along Rt. 212.

Replacing three bridges in the watershed:

- 1) Rt. 212 over the Beaver Kill (not the Plank Rd. County bridge at Mt. Tremper)
- 2) Rt. 42 bridge closest to Rt. 28

3) Rt. 28 bridge over the Esopus at Shandaken

Bridge projects will be surveyed in 2015 and constructed 2016.
Beaver Kill bridge is a complete replacement. Will widen abutments.
Big Indian bridge off the list? Probably not.

Also in the watershed: tree cutting along Rt. 28, 2 crews and Rt. 212 at project site about 50 ft. upstream/downstream.

Ulster County Soil and Water Conservation District

Stream work:

- 1) Moving forward with Stony Clove Creek stream restoration project at Wright Road in Greene County.
- 2) Repairs to Woodland Valley/Esopus confluence project – tabled until 2016. Possible extension upstream on Woodland Creek to address water quality/erosion issues.
- 3) Repairs at last year's Chichester project: channel on hillslope, and to a structure that transitions between sites 3 and 4 behind the Chichester post office.

A number of buffer plantings, none near public infrastructure.

Town of Shandaken identified bank collapsing toward the road, near Herdman Rd. bridge in Woodland Valley. Project #2 above will extend to this bridge and address the bank.

NRCS is looking to rehire the staff area engineer position vacated by Deron Davis. Timeline for replacement is uncertain.

NYC DEP is extending their engineering services contract with MMI for one year.

30/60/90 Design Milestones

Doug DeKoskie, NYC DEP engineer, reviewed project design and review requirements developed to guide City-funded stream restoration projects. Doug simplified guidance for large capital projects to provide review consistency and prevent cost overruns on City funded projects.

The guidance prompts project review at steps along the way to address problems and answer questions before project is completed and bulk of funds expended.

Typically, SMIP applicants have nearly completed 30% milestones before applying for SMIP funding. For 30%, conceptual design and strategy based on initial site survey, run hydrology and compare to existing conditions structure. Includes preliminary calculations – here's where we're headed, and a ballpark cost estimate. A good point to review and ask questions.

At 60% advanced design completion, hydraulics done, proposed structures, design and documents are ready for permitting.

At 90% completion the final design from an engineer's perspective. Bid documents are done. Allows final review, look here for ways to save money on the bid.

Partner can use the 30/60/90 milestones as checkpoints. AWSMP can organize response back to engineer if wanted. The checkpoints step the process forward and avoid having to redo everything by waiting to find problems at the end.

Project cost may be a bit higher due to milestones, but process saves money overall with less scope changes.

Individual projects won't include every step listed in guidance every time. Steps involved are project dependent.

Doug may revise guidance slightly for culverts to minimize steps and streamline. Doug is looking for feedback on culvert requirements.

SWCD/CCE must follow guidance per our contracts, along with our subcontractors.

Partners can attach the guidance documents to RFPs and scopes: these are the deliverables and milestones for the project. Guidance should help to get what you want out of the project.

Doug shared a sample 30% design report prepared by MMI for a culvert project in Greene County.

Question: what hydrology accepted for un-gaged streams? Stream Stats.

What about for streams too small for Stream Stats (1 sq mi or so)? Run hydrology models, such as HydroCAD or others (TR55 and TR20) to generate.

(Recent SMIP applications were on tribs below the size threshold.)

During the review process, DEP often looks at stream bank stabilization around the project. DEP must also adhere to its internal requirements for SWPPP, if project exceeds 2 acres of disturbance; it requires a full DEP SWPPP.

Guidance asks to list permit requirements at every stage. This is for the team to make sure they aren't missing anything. Send projects to permitting at 60% phase.

Use a separate scope for construction inspection and management services. Keep funds separate from design.

Question: What requirements after construction? Doug is working on this, progress on guidance interrupted by Irene/Lee. Will include as-built drawings.

Subcontractor Approval (Form)

As part of New York City Vendex review, subcontractors to municipalities should submit subcontractor approval forms. One page form for projects under \$100K. AWSMP will assist partners with processing forms.

Form must be submitted for all new projects, even if subcontractor was previously approved.

City reviews subcontractors to check legitimate business, whether on banned list, and cumulative funding that may affect insurance requirements.

Not needed for materials, only labor. Form is completed in the time between bid award and before going to contract. Bid and RFP documents list the requirement.

AWSMP submits forms to DEP for review.

Next Meeting – Leslie will send email early May