

## STREAMCROSSING – NRCS CONSERVATION PRACTICE STANDARD 578

### Design Package Checklist - for Ford Crossing

See “Design Data” section of Conservation Practice Standard 578 – Stream Crossing

<http://efotq.sc.egov.usda.gov> Section IV

- 1) Completed environmental evaluation (CPA 52), Cultural Resources (CR), Threatened and Endangered Species (T/E), and subsequent requirements.
- 2) On-site soils investigation. Record in field book or on Form 538 (see Forms section on the DCR Engineering Services webpage).
- 3) Copy of survey notes (or acceptable elevation source, source must be approved by DCR Agricultural Engineer, USGS is not an acceptable elevation source).
- 4) Design drawings:
  - Cover sheet – must get design approval signature from someone with appropriate EJAA
  - Plan View
  - Stream Crossing Detail – Stream Crossing Profile
  - Stream Crossing Detail – Stream Profile
- 5) Design computations:
  - Watershed delineation with area estimation
  - Stream Crossing Worksheet print out or hand calculations for stream velocity
  - Quantities
- 6) Construction Specifications: Will vary depending on the project – here is an example list:
  - VA 705 – Pollution Control
  - VA 706 – Seeding (note attachment to be filled out)
  - VA 721 – Excavation
  - VA 761 – Loose Rock Riprap
  - VA 795 – Geotextile
- 7) Operation and Maintenance Plan – be sure to add any notes particular to the project

#### Notes:

- **Office files:** Include all items listed above (may choose to leave out construction specs as long as noted on cover sheet and cover sheet is dated ... don't need to clog files with hundreds of copies).
- **Landowner/Contractor:** Include design drawings, Construction specs, and O&M plans. Don't include more pieces of paper unless requested. Provide at least 2 copies, or more if multiple bids are required, so that the landowner can give one copy to their contractor.

**Every file shall include a completed project folder checklist (see Forms section on the DCR Engineering Services webpage for suggested format).**

This checklist adapted from a checklist created by Sharyl Ogle, PE, NRCS Area Engineer