

Construction Inspection Checklist for Stream Crossings

DGR

LVR

Applicant: _____ **Road Name:** _____ **LAT/LONG:** _____

Applicant Reps: _____

CD Reps: _____

Contractors Present: _____

Others Present: _____

- Conservation districts must be on-site regularly during construction to ensure DGLVR Policy and standards are being met
- Safety: Wear proper PPE and follow standard safety practices on site
- Ensure all local, state, and federal requirements must be met before starting construction
 - Permits, PA One-Call, written landowner permission for off-ROW work, etc.
- Verify 2 benchmarks were set by the engineer or surveyor in an area outside of the zone of construction and disturbance
- Survey Stakeout for critical stages of installation
- Inspection of critical stages of construction by Engineer and/or Engineer's designee. Critical Stages include, but are not limited to, the following:
 - Installation of structure subgrade and bedding materials and inverts/elevations.
 - Installation of footings, abutments or in-ground appurtenances.
 - Installation of grade control features, bank margins, and streambed substrate
 - Installation or placement of stream crossing structure.
 - Compaction and backfill of stream crossing structure.
- Changes: If any party believes modifications are required or site work needs to stop to address a critical situation, they should discuss their concerns with the onsite contractor and then immediately notify the road owner, project engineer, and conservation district.
 - Proposed changes to a plan or specification should be reviewed and agreed upon by all parties and must be approved by the design engineer.
 - Any changes to plans that alter permit acknowledgments must also be submitted to the reviewing entity for revised approval.
- Follow manufacturer's recommendations for structure installation, including assembly, bedding, and backfill.
- Verify the project is being constructed in accordance with the approved bids and plans
 - Verify appropriate structure is being utilized as per approved plans
 - Structure properly aligned with channel
 - floodplain connectivity
 - Project will be constructed to accommodate AOP
 - Low flow channel with well-defined bank margins must be constructed through the structure
 - Minimum substrate depth is installed through the structure
 - Restore Stream Continuity through the structure and extend as far as needed to reconnect with the natural channel and, to the greatest extent possible, match existing stream bed slope
 - In-stream channel grade controls installed at proper location, elevation, and spacing to reconstruct the stream channel
 - Stable Side Slopes per DGLVR Stream Crossing Standard
- Quarried aggregate was tested and meets requirements of the DGLVR Stream Crossing Standard
- Vegetation Standard Requirements in DGLVR Stream Crossing Standard Met
- Road Approaches Requirements in DGLVR Stream Crossing Standard Met
- For additional guidance, see the PA DGLVR Program Stream Crossing Design & Installation Standard, Stream Crossing Technical Replacement Manual and Technical Bulletins

