

APPENDIX N

INVENTORY OF INDOT TECHNICAL TRAINING PROGRAMS

Inventory of INDOT Technical Training Programs

1. INDOT: Technical and Other Programs website (www.in.gov/indot/2403.htm)
 - Qualified technician program
(www.in.gov/indot/files/QualifiedTechnicianProgram.pdf)
 - Highway technician program [Academy] guidelines (also accessible at INDOT Employee Development intranet website)

2. Purdue website (first two listed are also accessible at INDOT Employee Development intranet website)
 - Design engineer training (online)
(http://rebar.ecn.purdue.edu/indot_mentoring/01.aspx)
 - Plan reading (bridge plan reading and road plan reading)
(http://rebar.ecn.purdue.edu/jtrp_redesign/Education/PlanReading.aspx)
 - Pile driving inspection training
(http://rebar.ecn.purdue.edu/jtrp_redesign/Education/Piledriving.aspx)
 - Project management training (<http://rebar.ecn.purdue.edu/INDOTpm/home.aspx>)
 - Project management process
 - Advanced project management
 - Constructability review

3. INDOT Employee Development intranet website
(<http://intranet.indot.state.in.us/employeeeducation/training/technical.asp>)

Professional Licensing—Continuing Education—INDOT Approved Courses

- Mid management training (30 PDH)
(<http://intranet.indot.state.in.us/employeeeducation/management/midmanagement.asp>)
- Work zone traffic control training for designers (4 PDH) (Contact: John Wright, Highway Design and Technical Support Division)

- Project engineers/supervisors workshop (12 PDH) (Contact: Greg Pankow, Construction Management Division)
- Bentley Institute training (online) (0.5 PDH) (<http://www.bentley.com/en-US/Training>)
- Local public agency (LPA) training (5.5 PDH) (Contact: www.purdue.edu/INLTAP)

Professional Licensing—Continuing Education

- Indiana statutes and rules for professional engineering licensure—Dr. Vincent P. Drnevich, P.E., Dist. M. ASCE

Training—Technical

- Highway Technician Academy (for construction, maintenance, traffic, testing, shared workforce)
- Operations training committee (training videos on equipment operations, maintenance actions, snow and ice and traffic)

4. In-house training programs (alpha order)¹

- AASHTO roadside design guide
- ABC webinars
- ADA design
- Advanced construction principles (CON 103)—Doug Ewing
- ArcGIS
- ASCE fill RT wall
- Asphalt
- Attenuator training and certification
- Attenuator training—Larry Goode
- Basic construction
- Bridge and road plan reading (JTRP or INDOT online)

¹ From: Employee and Supervisor Survey: Responses to In-House Training Question (for which complete responses are given).

- Bridge/culvert inspection
- Bridge inspection
- Bridge rehabilitation
- Bridge replacement
- CON 101 (HT Academy)
- CON 102 (HT Academy)
- Concrete testing
- Construction materials
- CSI bridge modeling (Computers and Structures, Inc.; structural and earthquake engineering software)
- Design flexibility webinars (Schneider Corp.)
- Dirt compaction
- Environmental permit and ecology
- GPS/GIS training—Trimble Business Center
- Herbicide training
- HMA training
- HSM (Highway Safety Manual) webinars—FHWA/INDOT
- IMSA level 1
- IMSA level 2
- IMSA level 3
- IMSA workzone training
- INDOT material testing and sampling
- Innovative interchange design webinar—non-INDOT
- InRoads software
- Intersection safety
- LRFD superstructure/substructure
- Material management (district testing)—Dave Hamilton
- MEPDG design
- MUTCD
- NBIS bridge inspection (National Bridge Inspection Standards)
- NEPA

- NEPA refresher—FHWA
- NHI two-week in-service bridge training course
- NHI drilled shaft course
- NHI erosion and sediment control
- NHI fracture critical inspection techniques for steel bridges
- NHI in-depth bridge inspections
- NHI optimal timing of pavement preservation
- NHI post-tensioned structures
- NHI prestressed concrete design (NHI-130081B)
- NHI scour critical structures
- NHI steel bridge design (NHI-130081C)
- NHI stream stability course
- Pavement design
- Pavement preservation—slurry seal and microsurfacing
- PCCP training
- Pedestrian crosswalk
- Pipe liner construction techniques
- Plan reading course
- Project engineers/supervisors three-day training—Greg Pankow
- ReachAll (UB 40 and UB 60)
- Repairing washouts and slides
- Retroreflectivity
- Road rehabilitation
- Road safety audit review—LTAP
- Roundabout design
- Seismic retrofitting for highway bridges—FHWA
- Semi-integral end bent design—Steve Weintraut (BFS)
- Slurry seals and microsurfacing theory (NCCP)
- Small structure design
- Soil testing
- Surface treatment, microsurfacing, HMA 4.75, ultrathin

- Traffic control
- Water permitting
- Wetland botany
- Wetland delineation
- WMS training

5. Description of selected INDOT training programs

- ReachAll (UB-40 and UB-60)—annual two-day refresher training for bridge inspectors provided by INDOT personnel who receive training from equipment manufacturer, Aspen Aerials; includes classroom and hands-on training on operating equipment used for inspecting under bridges. (Contact: Bill Schmidt—bschmidt@indot.in.gov)
- HEC-RAS—U.S. Army Corps of Engineers Hydrologic Engineering Center (HEC)—River analysis system (RAS) training to analyze the hydraulics of bridges, culverts and reaches of streams; three one-day sessions conducted every two years at Rose-Hulman Institute of Technology by instructors from Rose-Hulman, DNR and INDOT for engineers in the INDOT Office of Hydraulics, at no charge. (Contact: Merrill Dougherty, mdougherty@indot.in.gov)
- Attenuator training—conducted by the manufacturer for repair personnel and District staff, who provide further training to sub-district employees, per an INDOT contract with the manufacturer who also certifies repair personnel. (Contact: Larry Goode, lgoode@indot.in.gov)
- Design flexibility webinars (Schneider corporation)—six live webinars broadcast to offices in INDOT Central Office and Districts and coordinated by Central Office Production
- Webinar announcements distributed by INDOT Division of Research—Samy Noureldin, Transportation Systems Research Section Manager, regularly notifies selected INDOT personnel of TRB and other webinars, which are at no cost and some of which offer PDHs. (Contact: Samy Noureldin, snoureldin@indot.in.gov)