

107-2.0 GEOTECHNICAL WAIVER OR INVESTIGATION

The following project work types will not require a geotechnical waiver or investigation:

Beautification / Wildflowers	Bridge Inspection	Remove & Replace Beam
Centerline & Edge Line Rumble Stripes Installation	Bridge Painting	Repair Or Replace Joints
Centerline Rumble Stripes Installation	ITS Operations And Maintenance Contracts	Repair Or Replace Lighting
Channel Clearing And Protection	ITS Program Contracted Services	Repair/Replace Cathodic Protection
Raised Pavement Markings, Closed Loop Interconnect System	ITS Program Equipment	Bridge Deck Sealing
Crack Sealing	ITS Traffic Management Systems	Replace Guard Rail
Culvert Clean And Repair	ITS Traffic Monitoring Systems	Roadside Maintenance, Herbicide Treatment
Curve Sign and Marking Visibility Improvements	ITS Traveler Information Systems	Roadside Maintenance, Mech.Sweeping
Debris Removal From Channel	Landscaping	Roadside Maintenance, Mowing
Demolition	Lighting	Roadside Maintenance, Tree Remov/Trimmng
Demolition, Remove Buildings, Foundations	Lighting Installation / Maintenance	Small Structure Maint and Repair
Refurbished	Lighting Maintenance	Small Structure Paved Invert
Environmental Mitigation	Mitigate Runoff Pollution	Small Structure Pipe Lining
Flashers, Modernize	Modernize Continuous Lighting	Straighten Beam
Guard Rail Attenuators, New Or Modernize	New Flasher Installation	Substructure Repair And Rehabilitation
Guard Rail Work	New Traf Flow Detection Devices/Hardware	Traffic Hardware Modernization
Guardrail, Maintenance	Overhead Sign Repair	Traffic Signal Maintenance
Guardrail, Maintenance Or Repair	Pavement Markings	Traffic Signal Repair
Historical Site Preservation	PCCP Cleaning and Sealing Joints	Traffic Signal Visibility Improvements
Install Loop Detector	Pedestrian Flashing Beacons, Installed	Un-Signalized Intersection Sign & Marking Visibility Imp
	Protective Buying	Utility Relocation
	Railing Replace Or Repair	

A project belonging to one of the following work types may qualify for a waiver but will require review by the Office of Geotechnical Services prior to that determination:

Arch Reconstruction Or Repair	Erosion Control	Railroad Work
Bridge Deck Overlay	Install Lighting	Repair Or Replace Barrier Wall
Bridge Deck Overlay and Widening	Install New Guard Rail	Replace Superstructure
Bridge Deck Patching	Median Construction	Rest Area Modernization
Bridge Deck Reconstruction	New Sign Installation	Safety Revisions
Bridge Deck Replacement	New Signal Installation	Scour Protection (Erosion)
Bridge Deck Replacement & Widening	Other Intersection Improvement	Sewer / Curb / Gutter Const/Reconstr
Bridge Maintenance And Repair	Other Project Type	Sewer / Curb / Gutter Construction
Bridge Rehabilitation Or Repair	Other Roadside Maintenance	Sign Modernization (Series Of Units)
Bridge Rehab-Pipe Lining	Other Sewer/Curb/Gutter Construction	Signing
Bridge Removal	Other Type Project (Miscellaneous)	Signing Installation / Repair
Bridge Thin Deck Overlay	Overhead Sign Install	Signs, Lighting, Signals And Markings
Construct ADA Approved Sidewalk Ramps	Railroad Crossing	Traffic Signals
Covered Bridge Rehabilitation	Railroad Protection	Traffic Signals Modernization
Enhancement	Railroad Protection & Surface	Traffic Signals, New Or Modernized
Channel Realign And Reshape	Relinquishments/Road Transfer	Drainage Ditch Correction
Traffic Mgmt Facility Modernization		

Additionally, small structure projects with pipe structures smaller than 36 in. in diameter, or equivalent, or a structure extension of less than 5 ft. may also be eligible for a waiver.

All other projects will require a geotechnical investigation.

Upon approval of the Stage 1 Review Submission or Preliminary Plan Review Submission the geotechnical waiver or investigation should be requested for an INDOT project. The request for a geotechnical waiver should be submitted prior to the Preliminary Field Check for an LPA project. These requests will be uploaded to ERMS. The Office of Geotechnical Services must be notified, via email, of these submissions.

If the project is potentially eligible for a geotechnical waiver the designer should submit the following:

1. Geotechnical Waiver or Investigation Request Transmittal form, Figure 107-1A. An editable version of the form is available for download at: <http://www.in.gov/dot/div/contracts/design/dmforms/index.html>;
2. Scoping document, e.g. Engineer's Report, Abbreviated Engineer's Assessment;
3. Plans;
4. Cross sections; and
5. A minimum of six (6) existing-pavement photographs.

If the project requires a geotechnical investigation the designer should submit the following items. See Sections 14-2.01(04) for additional information:

1. Geotechnical Waiver or Investigation Request Transmittal form, Figure 107-1A. An editable version of the form is available for download at: <http://www.in.gov/dot/div/contracts/design/dmforms/index.html>;
2. Scoping document, e.g. Engineer's Report, Abbreviated Engineer's Assessment;
3. Plans;
4. Cross sections, including a list of all areas where side slopes are 2:1 or steeper;
5. A minimum of six (6) existing-pavement photographs;
6. Magnitude of both total and differential allowable settlement for bridges;
7. Approximate maximum elevation feasible for top of foundation at an abutment;
8. Number of columns anticipated at interior substructure units if there will be a single foundation element for each column;
9. Depth of scour;
10. Vertical foundation loads;
11. Lateral foundation loads where anticipated foundation supports are drilled shafts;
12. All known constraints that would affect the foundations in terms of type, location, or size
13. All known constraints which can affect the nominal resistance of the foundation, e.g. utility conflicts, construction staging, shoring or falsework, and constructability issues.

The designer should ensure the following information is included for either submittal:
Project description;

1. Project location with starting and ending stations;
2. Anticipated pavement treatment, e.g. resurface, rubblization, etc...
3. Details and limiting stations for new pavement, pavement widening, resurfacing and reconstruction;
4. Wetland boundaries and limits;

5. Right of way;
6. Roadway alignments;
7. Roadway typical sections;
8. Retaining wall locations, profiles, cross sections, and aesthetic requirements;
9. Drainage structures; and
10. Bridge layout and general plan with anticipated structure type shown.

Information regarding scope changes or design changes should be immediately relayed to the Office of Geotechnical Services.