

INSPECTION



OVERVIEW

NOTE: Refer to "Conventions Used in this Manual", in Chapter 1, for terminology used in this chapter and/or the order of precedence of contract documentation.

Inspection provides the oversight and documentation to ensure compliance and quality of work being performed and materials incorporated for the satisfactory completion of construction contracts.

Refer to the following sections of the Standard Specifications for more information:

- Subsection 105.11, "(Control of Work) Duties of the Inspector"
- Subsection 105.12, "(Control of Work) Inspection"

CONSTRUCTION ACTIVITIES

Resident Engineers will understand the skill sets and/or availability of their respective staff and assign inspectors to construction activities accordingly.

The following sections in Chapter 2 of the [Field Inspection Guide](#) provide guidelines for inspection of specific construction activities:

- Overview
- 201 - Clearing and Grubbing
- 202 - Removal of Structures and Obstructions
- 203 - Excavation and Embankment
- 206 - Structure Excavation
- 207 - Backfill
- 209 - Drain Backfill
- 211 - Erosion Control
- 212 - Landscape and Aesthetics
- 213 - Irrigation Systems
- 214 - Mailbox Systems
- 302 - Aggregate Base Courses
- 304 - Portland Cement Treated Base
- 305 - Roadbed Modification
- 307 - Shouldering Material
- 401 - Plantmix Bituminous Pavements: General
- 402 - Plantmix Bituminous Surface

- 403 - Plantmix Bituminous Open-Graded Surface
- 404 - Cold Recycled Bituminous Surface and Premixed Bituminous Paving Material
- 405 - Tack Coat
- 406 - Prime Coat
- 407 - Seal Coat
- 408 - Surface Treatment
- 409 - Portland Cement Concrete Pavement
- 410 - Concrete Pavement Resurfacing
- 418 - Micro-Surfacing
- 496 - Polymer Concrete
- 501 - Portland Cement Concrete
- 502 - Concrete Structures
- 503 - Prestressed Concrete and Precast Members
- 504 - Lightweight Concrete for Structures
- 505 - Reinforcing Steel
- 506 - Steel Structures
- 508 - Driven Piles
- 509 - Drilled Shaft Foundations
- 601 - Pipe Culverts: General
- 603 - Reinforced Concrete Pipe
- 604 - Corrugated Metal Pipe and Metal Arch Pipe
- 605 - Plastic Pipe
- 606 - Structural Plate Culverts
- 607 - Underdrains
- 608 - Downdrains
- 609 - Inlets and Manholes
- 610 - Riprap
- 611 - Concrete Slope Paving
- 613 - Concrete Curbs, Gutters and Sidewalks
- 614 - Painting
- 616 - Fencing

- 617 - Cattle Guards
- 618 - Guardrail
- 619 - Object Markers and Guide Posts
- 621 - Monuments
- 623 - Signals, Lighting and Intelligent Traffic Systems
- 624 - Accommodations for Public Traffic
- 625 - Construction Signs
- 627 - Permanent Signs
- 632 - Permanent Painted Pavement Markings
- 633 - Pavement Markers
- 634 - Pavement Marking Film
- 635 - Temporary Pavement Striping Tape
- 636 - Temporary Painted Pavement Marking
- 637 - Temporary Pollution Control
- 640 - Retaining Walls
- 641 - Vehicular Impact Attenuators
- 642 - Mechanically Stabilized Earth Walls
- 643 - Ground Anchors
- 644 - Soil Nail Retaining Walls
- 646 - Dampproofing, Waterproofing, Sealing and Membranes
- 660 - Pneumatically Placed Concrete Mortar