INSTRUCTIONS **(delete this section before printing)**

**ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES**

**CENTRAL REGION**

**PIH Specifications Template**

**BASED ON:**

**Alaska Department of Transportation and Public Facilities**

**2020 Standard Specifications for Highway Construction**

*Before using this memo, the Project Engineer should consult with the DOT&PF Design Project Manager*.

**Purpose & Intent**:

The purpose of this memo is to highlight non-standard language and changes for reviewers. This will allow for quicker review and more meaningful feedback for the project. This memo should provide insight to the Project Engineer’s intent for each section of the specifications and pay items.

This template covers sections required by the project’s scope of work. It is the responsibility of the Project Engineer to add/delete/modify the sections shown in the tables.

**When to use this template**:

This template is to be used for projects that do **not** have an accelerated delivery.

For projects with accelerated delivery, it’s recommended that a full specification package be completed as it’s unlikely that large-scale changes will occur prior to advertisement.

**Using the Template (*You must customize this template to reflect project specific information)*:**

This template was developed in Word so you can easily modify the tables and add text. Some sections may require only a brief description while others may require more explanation. Project Special Provisions for new unique items or major rewrites of the standard language should be attached for review.

Each section of this template includes instructions and space for project information to indicate variances from already approved specifications. You should read the instructional box for an explanation of how you might fill in a section. Instruction text is shown as:

Instruction Text: To be deleted as sections are filled in.

Delete the instructions prior to submittal.

Please use the links below to access the DOT&PF website and the Central Region (CR) ftp site for the 2020 Standard Specifications and latest revision to the Standard Modifications, Statewide Specials, and CR Specials.

<http://dot.alaska.gov/stwddes/dcsspecs/index.shtml>

<http://www.dot.state.ak.us/creg/design/highways/specs/>

MEMORANDUM State of Alaska

Department of Transportation & Public Facilities

Design and Engineering Services – Central Region

Highway Design

|  |  |  |  |
| --- | --- | --- | --- |
| **TO**: | PIH Distribution | **DATE**: | August 28, 2023 |
|  |  |  |  |
|  |  |  |  |
|  |  | **TELEPHONE NO**: | 907-269-XXXX |
|  |  | **E-MAIL**: | [first.last@alaska.gov](mailto:first.last@alaska.gov) |
|  |  |  |  |
| **FROM**: | First Last | **SUBJECT**: | PIH Specifications Memo |
|  | Project Engineer |  | Project Name |
|  |  |  | Project Number |

This memo was prepared to summarize the proposed project changes to the 2020 Standard Specifications for Highway Construction, the Standard Modifications, Statewide Specials, and Central Region Specials for the above listed project.

If new sections or major rewrites of the specifications are needed for the project; include the following paragraph and attach the pages to the memo.

Project specific specifications including \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ are attached to this memo for review.

To see the Standard Specifications for Highway Construction 2020 edition please see the DOT&PF website:

<http://dot.alaska.gov/stwddes/dcsspecs/index.shtml>

To see the Standard Modifications, Statewide Specials, and CR Specials please see our ftp site for the latest edition.

<http://www.dot.state.ak.us/creg/design/highways/specs/>

To delete the “Template” watermark, open the header/footer and delete the watermark image. Update the footer with the project name and number.

The following table includes all Project Specifications that can be found on a project. Delete section rows that do not pertain to your project.

The right-hand column should be used to indicate how the section will vary from the 2020 Standard Specifications, Standard Modifications, Statewide Specials, and current CR Specials. Additional information that may be pertinent to a reviewer should be added.

In addition to any information on the special, the right-hand column should be used to indicate how “the work will be paid for” will differ from the Standard Modifications, Statewide Specials, and current CR Specials. For example, if work is made subsidiary to an item that is normally paid for separately, make a note here. Additional information that may be pertinent to a reviewer should be added.

|  |  |  |
| --- | --- | --- |
| **Project Provisions** | | |
| **DIVISION 100 GENERAL PROVISIONS** | | |
| 101 | Definitions and Terms | \* |
| 102 | Bidding Requirements and Conditions | \* |
| 103 | Award and Execution of Contract | \* |
| 104 | Scope of Work | \* |
| 105 | Control of Work | \* |
| 106 | Control of Material | \* |
| 107 | Legal Relations and Responsibility to Public | \* |
| 108 | Prosecution and Progress | \* |
| 109 | Measurement and Payment | \* |
| 120 | Disadvantaged Business Enterprise (DBE) Program | \* |
|  |  |  |
| **DIVISION 200 EARTHWORK** | | |
| 201 | Clearing and Grubbing | \* |
| 202 | Removal of Structures and Obstructions | \* |
| 203 | Excavation and Embankment | \* |
| 204 | Structure Excavation for Conduits and Minor Structures | \* |
| 205 | Excavation and Fill for Major Structures | \* |
| 206 | Filter Blanket | \* |
|  |  |  |
| **DIVISION 300 BASES** | | |
| 301 | Aggregate Base and Surface Course | \* |
| 302 | Subgrade Modification | \* |
| 303 | Reconditioning | \* |
| 304 | Subbase | \* |
| 305 | Stockpiled Material | \* |
| 306 | Asphalt Treated Base Course | \* |
| 307 | Emulsified Asphalt Treated Base Course | \* |
| 308 | Crushed Asphalt Base Course | \* |
| 318 | Foamed Asphalt Stabilized Base Course | \* |
|  |  |  |
| **DIVISION 400 ASPHALT PAVEMENTS AND SURFACE TREATMENTS** | | |
| 401 | Hot Mix Asphalt Pavement | \* |
| 402 | Tack Coat | \* |
| 403 | Prime Coat | \* |
| 404 | Seal Coat | \* |
| 405 | Surface Treatment | \* |
| 406 | Rumble Strips | \* |
| 408 | Hot Mix Asphalt Pavement - Type V | \* |
| 410 | Crack Repair | \* |
| 411 | Intelligent Compaction | \* |
|  |  |  |
| **DIVISION 500 STRUCTURES** | | |
| 501 | Structural Concrete | \* |
| 502 | Prestressing Concrete | \* |
| 503 | Reinforcing Steel | \* |
| 504 | Steel Structures | \* |
| 505 | Piling | \* |
| 506 | Timber Structures | \* |
| 507 | Bridge Barriers and Railing | \* |
| 508 | Waterproofing Membrane | \* |
| 509 | Microsilica Modified Concrete Overlay | \* |
| 510 | Removal of Concrete Bridge Deck | \* |
| 511 | Mechanically Stabilized Earth Wall | \* |
| 512 | Forms and Falsework | \* |
| 513 | Field Painting of Steel Structures | \* |
| 514 | Concrete Surface Finish and Treatments | \* |
| 515 | Drilled Shafts | \* |
| 516 | Expansion Joints, Bearings, and Waterstops | \* |
| 520 | Temporary Crossings | \* |
| 550 | Commercial Concrete | \* |
| **DIVISION 600 MISCELLANEOUS CONSTRUCTION** | | |
| 601 | Metal Flume Downdrains | \* |
| 602 | Structural Plate Pipe | \* |
| 603 | Culverts and Storm Drains | \* |
| 604 | Manholes and Inlets | \* |
| 605 | Underdrains | \* |
| 606 | Guardrail | \* |
| 607 | Fences | \* |
| 608 | Sidewalks | \* |
| 609 | Curbing | \* |
| 610 | Ditch Lining | \* |
| 611 | Riprap | \* |
| 612 | Sacked Concrete Slope Protection | \* |
| 613 | Monuments and Markers | \* |
| 614 | Concrete Barrier | \* |
| 615 | Standard Signs | \* |
| 616 | Thaw Pipe and Thaw Wires | \* |
| 617 | Railroad Crossings | \* |
| 618 | Seeding | \* |
| 619 | Soil Stabilization | \* |
| 620 | Topsoil | \* |
| 621 | Planting Trees and Shrubs | \* |
| 622 | Rest Area Facilities | \* |
| 623 | Vegetative Cover | \* |
| 624 | Calcium Chloride for Dust Control | \* |
| 625 | Pipe Hand Rail | \* |
| 626 | Sanitary Sewer System | \* |
| 627 | Water System | \* |
| 630 | Geotextile for Embankment and Roadway Separation, Stabilization and Reinforcement | \* |
| 631 | Geotextile for Subsurface Drainage and Erosion Control | \* |
| 632 | Paving Fabric | \* |
| 633 | Silt Fence | \* |
| 634 | Geogrid Soil Reinforcement | \* |
| 635 | Insulation Board | \* |
| 636 | Gabions | \* |
| 639 | Driveways | \* |
| 640 | Mobilization and Demobilization | \* |
| 641 | Erosion, Sediment, and Pollution Control | \* |
| 642 | Construction Surveying and Monuments | \* |
| 643 | Traffic Maintenance | \* |
| 644 | Services to be Furnished by the Contractor | \* Construction please advise |
| 645 | Training Program | \* |
| 646 | CPM Scheduling | \* |
| 647 | Equipment Rental | \* |
| 648 | Pull Planning | \* |
| 649 | Governor’s Workforce Development | \* |
| 651 | Control of Work – Supplemental Requirements | \* |
| 652 | Prosecution and Progress – Supplemental Requirements | \* |
| 654 | Monitoring | \* Construction please advise on $$$ |
| 660 | Signals and Lighting | \* |
| 661 | Electrical Load Centers | \* |
| 662 | Signal Interconnect | \* |
| 667 | Traffic Signal Communication System | \* |
| 668 | High Tower Lighting | \* |
| 669 | Automated Traffic Recorders | \* |
| 670 | Traffic Markings | \* |
| 681 | Fuel Tank | \* |
| 682 | Utility Potholing | \* |
| 690 | Waterway | \* |
|  |  |  |
| **DIVISION 700 MATERIALS** | | |
| 701 | Hydraulic Cement and Supplementary Cementitious Materials | \* |
| 702 | Asphalt Materials | \* |
| 703 | Aggregates | \* |
| 704 | Masonry Units | \* |
| 705 | Joint Materials | \* |
| 706 | Concrete and Plastic Pipe | \* |
| 707 | Metal Pipe | \* |
| 708 | Paints | \* |
| 709 | Reinforcing Steel and Wire Rope | \* |
| 710 | Fence and Guardrail | \* |
| 711 | Concrete Curing Materials and Admixtures | \* |
| 712 | Miscellaneous | \* |
| 713 | Structural Timber, Lumber, and Piling | \* |
| 714 | Preservatives for Timber | \* |
| 715 | Steel for Piles | \* |
| 716 | Structural Steel | \* |
| 718 | Steel Forgings | \* |
| 719 | Steel, Gray-Iron and Malleable-Iron Castings | \* |
| 720 | Bearings | \* |
| 721 | Prestressing Steel and Fittings | \* |
| 722 | Bridge Railing | \* |
| 723 | Waterstops | \* |
| 724 | Seed | \* |
| 725 | Fertilizer | \* |
| 726 | Topsoil | \* |
| 727 | Soil Stabilization Material | \* |
| 729 | Geosynthetics | \* |
| 730 | Sign Materials | \* |
| 740 | Signals and Lighting Materials | \* |
|  |  |  |
| \* No anticipated changes to the 2020 Standard Specifications for Highway Construction, Standard Modifications, Statewide Specials, or the current CR Specials. | | |