

TECHNICAL SPECIFICATIONS

The New Mexico Department of Transportation Standard Specifications for Highway and Bridge Construction, 2019 Edition shall govern construction of this project unless otherwise noted on the plans or in the construction documents.

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SPECIAL PROVISIONS

MODIFYING SECTION 906: MINIMUM TESTING REQUIREMENT'S (MTR'S)

**SECTION 01 01 90
TESTING ALLOWANCE**

PART 1 - GENERAL

1.4_SECTION INCLUDES

A. Testing allowances

1.2 TESTING ALLOWANCES

- A. Costs included in Testing Allowances: Cost of engaging a testing firm, execution of tests, and reporting results.
- B. Costs Not Included in the Testing Allowance, but included in the Contract Sum/Price:
 - 1. Costs of incidental labor and facilities required to assist testing firm.
 - 2. Costs of testing laboratory services used by Contractor separate from Contract Document requirements.
 - 3. Costs of retesting upon failure of previous tests as determined by engineer, except that retesting that does not exceed 10 percent of the testing for successful tests, may be included in the Testing Allowance.
- C. Payment Procedures:
 - 1. Submit two copies of the testing firm's invoice to Owner.
 - 2. Pay invoice on approval by Owner.
 - 3. Receive reimbursement for actual invoice of testing firm upon certification that payment has been made, at next application for payment from Owner.
- D. Testing Allowances Schedule:
 - 1. Include the indicated Bid amount for payment of field testing and laboratory testing services specified in Section 01 40 00.

END OF SECTION

SECTION 01 30 00
SUBMITTALS

PART 1 - GENERAL

1.1 SECTION INCLUDES

- A. The work covered by this section includes the requirements for submittals and operating and maintenance manuals.

1.2 SUBMITTAL REQUIREMENTS

- A. Review submittals prior to transmittal to determine and verify field measurements, field construction criteria, manufacturer's catalog numbers, and conformance of submittals with Specifications. To certify compliance with these Specifications:

1. Sign or initial each label on samples.
2. Stamp, sign or initial the cover sheet of each submittal.
3. Identify project, Contractor, Subcontractor or supplier; pertinent drawing and detail number, and specification section number, as appropriate.
4. Provide space for Contractor and Engineer review stamps.

For any proposed deviation from the Specifications, submit a written request to the Engineer.

- B. Submit for review the following number of copies of submittals:

1. Signed Submittal emailed to Contractor and Engineer.
2. Sequentially number the transmittal form. Revise re-submittals with original number and a sequential alphabetical suffix.

A partial submittal consists of only a portion of the types required for a specified submittal. This is acceptable when it is prudent to submit for review, certain submittal types before the remaining types are available. Submit items concurrently for which, due to coordination concerns, a simultaneous review is required.

After review of the submittal package, the "Action Code" will be indicated and returned to the Contractor. After approval has been indicated on each copy by appropriate signature, stamp, and date, the number of copies of each submittal noted above for Engineer/Owner use will be retained and the balance will be returned to the Contractor. Allow a minimum of 5 business days for return of submittals.

- C. The Engineer will utilize the following "Action Codes" to indicate the status of submittals resulting from the review, and the action required of the Contractor.

- A - Approved as submitted.
B - Approved, except as noted. Resubmission not required.
C - Disapproved. Correct and resubmit.

- D. Do not begin fabrication of products or begin work which requires submittals before such submittals are approved.

E. Submit at a minimum, shop drawings and material details of the following:

Item

Concrete Mix Design

Asphalt Mix Design

Backfill Gradation

PART 2 - MEASUREMENT AND PAYMENT

Work covered in this Section of the Specifications and associated costs therewith shall be included in the contract price for the item to which the work applies. No separate payment shall be made.

END OF SECTION

SECTION 01 40 00
QUALITY CONTROL

PART 1 - GENERAL

1.1_ SECTION INCLUDES

1. Quality assurance and control of installation.
2. References.
3. Field samples.
4. Inspection and testing laboratory services.
5. Manufacturers' field services and reports.
6. Tolerances

1.2 QUALITY ASSURANCE/CONTROL OF INSTALLATION

- A. Monitor quality control over suppliers, manufacturers, products, services, site conditions, and workmanship, to produce Work of specified quality.
- B. Comply fully with manufacturers' instructions, including each step in sequence.
- C. Should manufacturers' instructions conflict with Contract Documents, request clarifications from Engineer before proceeding.
- D. Comply with specified standards as a minimum quality for the Work except when more stringent specified tolerances, codes, or requirements indicate higher standards or more precise workmanship.
- E. Perform Work by persons qualified to produce workmanship of specified quality.
- F. Secure products in place with positive anchorage devices designed and sized to withstand stresses, vibration, physical distortion or disfigurement.
- G. Document and keep records of quality assurance/ control of installation.

1.3 REFERENCES

- A. Conform to reference standard by date of issue current on date of Contract Documents. Dates specified in individual Sections supersede all other dates of issue.
- B. Should specified reference standards conflict with Contract Documents, request clarification from Engineer before proceeding.
- C. The contractual relationship of the parties to the Contract shall not be altered from the Contract Documents by mention or inference otherwise in any reference document.

1.4 FIELD SAMPLES

- A. Install field samples at the site as required by individual Specification Sections for review.
- B. Acceptable samples represent a quality level for the Work.
- C. Where field sample is specified in individual Sections to be removed, clear area after field sample has been accepted by Owner.

1.5 INSPECTION AND TESTING LABORATORY SERVICES

- A. Contractor will employ and pay for services of an independent firm to perform testing.
- B. The independent firm will perform tests and other services specified in individual Specification Sections and as required by the Owner.
- C. Reports will be submitted by the independent firm to the Owner, in duplicate, indicating observations and results of tests and indicating compliance or non-compliance with Contract Documents.
- D. Contractor shall cooperate with independent firm; furnish samples of materials, design mix, equipment, tools, storage and assistance as requested.
 - 1. Notify Owner and independent firm 24 hours prior to expected time for operations requiring services.
 - 2. Make arrangements with independent firm and pay for additional samples and tests required for Contractor's use.
- E. Retesting required because of non-conformance to specified requirements shall be performed by the same independent firm on instructions by the Owner. Payment for retesting will be charged to the Contractor by deducting testing charges from the Contract Sum/Price.

F. TESTING FREQUENCY

Minimum Testing Requirements are per the attached Special Provision Modifying Section 906.

1.6 MANUFACTURERS' FIELD SERVICES AND REPORTS

- A. When specified in individual Specification Sections, require material or product suppliers or manufacturers to provide qualified staff personnel to observe site conditions, conditions of surfaces and installation, quality of workmanship, start-up of equipment, test, adjust, and balance of equipment as applicable, and to initiate instructions and training of Owner's personnel when necessary.
- B. Contractor to report to Owner material or product supplier's or manufacturer's observations and site decisions or instructions given to applicators or installers that are supplemental or contrary to manufacturers' written instructions.
- C. Submit report in duplicate within 14 days of observation to Owner and Engineer for review.

1.7 TOLERANCES

- A. Monitor tolerance control of installed Products to produce acceptable work. Do not permit tolerances to accumulate.
- B. Comply with manufacturers' tolerances. Should manufacturers tolerances conflict with Contract Documents, request clarification from Engineer before proceeding.

C. Adjust Products to appropriate dimensions; position before securing Products in place.

END OF SECTION

SECTION 01 60 00

MOBILIZATION

PART 1 - DESCRIPTION

A. This work shall consist of preparatory work and operations, including, but not limited to, those necessary for the movement of personnel, equipment, supplies and incidentals to the project site; for the establishment of all offices, buildings and other facilities necessary for work on the project; and for all other work and operations which must be performed or costs incurred prior to beginning work on the project.

B. The property designated for such use as above is strictly for the purpose of the CONTRACTOR constructing the project and will be available only until said project construction is completed. The CONTRACTOR does not have the right to remove trees, bushes, fencing, undergrowth and any other obstacles or grade without the consent of the ENGINEER. The CONTRACTOR shall clean and restore the property at the conclusion of project construction to be as near the pre-project condition as possible.

PART 2 - MOBILIZATION ADMINISTRATION REQUIREMENTS

A. DEFINITIONS

The following definitions shall apply:

1. Total original contract amount shall mean the total amount bid as compensation for the contract.
2. Total original contract amount less mobilization shall mean the total amount bid as compensation for the contract less the amount bid for mobilization.

B. GENERAL

It is the intent of this specification to provide for the CONTRACTOR to receive 100% of the amount bid for mobilization by the time the CONTRACTOR has performed ten percent (10%) of the total original contract amount bid less the amount bid for mobilization.

If the CONTRACTOR's bid for mobilization is over ten percent (10%) of the total original contract amount bid less mobilization, payment for the amount over the ten percent (10%) of the total original contract amount bid less mobilization will be made upon completion of all work under the contract.

C. PAYMENT PROCEDURES

The following will apply in effecting mobilization payments:

- (a) When the CONTRACTOR is eligible for payment of less than five percent (5%) of the total original contract amount bid less mobilization, the CONTRACTOR will be paid twenty-five percent (25%) of the amount bid for mobilization.
- (b) When the CONTRACTOR is eligible for payment from five percent (5%) to less than ten percent (10%) of the total original amount bid less mobilization, the CONTRACTOR will be paid fifty percent (50%) of the amount bid for mobilization.
- (c) When the CONTRACTOR is eligible for payment of ten percent (10%) or more of the total original contract amount less mobilization, the CONTRACTOR will be paid 100% of the amount bid for mobilization minus any mobilization amount already paid, except for the noted ten percent (10%) limitation.

PART 3 - METHOD OF MEASUREMENT

- A. Mobilization will be measured by the lump sum unit.

PART 4- BASIS OF PAYMENT

- A. Mobilization will be paid for at the contract lump sum price per bid tab. The price for mobilization shall include costs for all demobilization activities once the project is complete. No additional payments will be made for demobilization and remobilization due to shutdowns or suspensions of the work or for other mobilization activities required to complete the contract satisfactorily.

END OF SECTION