

This chapter is used for NHS and non-NHS routes by Local Agencies operating under Certification Acceptance (CA) and choosing to administer construction contracts themselves. In the sequence of project development, this follows [Chapter 46](#).

Local Agencies whose construction contracts are administered by the Washington State Department of Transportation (WSDOT) should refer to [Chapter 51](#).

Title 23 USC and 23 CFR provisions apply to all NHS Federal aid projects regardless of federal funding source or approval authority. State standards may be used on non-NHS projects, except for federal requirements pertaining to contracts (bid proposal content including Davis Bacon and DBE) and procurement procedures (competitive bidding and Brooks Act).

52.1 General Discussion

WSDOT is responsible for the proper expenditure of FHWA funds on Local Agency projects. Local Programs will consult and work with Local Agencies as needed and will perform systematic project management reviews to ensure that proper procedures are followed.

Except for this chapter, construction shall be administered and materials inspected, in accordance with the [Construction Manual](#) M 41-01. For exceptions to the [Construction Manual](#), see [Appendix 52.107](#). In case of conflicting guidelines, this chapter governs the [Construction Manual](#). Agencies may choose to use their own forms provided the same information is included on the agency forms as is shown on the WSDOT forms used for the same purposes. For an understanding of WSDOT documentation requirements, use [Chapter 10](#) of the [Construction Manual](#) as a guide.

All FHWA projects are subject to Disadvantaged Business Enterprise (DBE), on the Job Training (OJT) and Equal Employment Opportunity (EEO) compliance reviews by WSDOT.

The [Standard Specifications for Road, Bridge, and Municipal Construction](#) M 41-10 and APWA GSP 1-01.3 define the major elements for construction contracts.

52.2 Preconstruction Conference

After a contract is awarded, the Local Agency should arrange a conference with the contractor. The Local Agency Engineer shall notify the Region Local Programs Engineer of the time and place of the conference.

On large, complex projects, a preconstruction conference should be held before each construction phase. It may be desirable to hold separate conferences for some specialized construction items such as paving, roadside planting, or electrical work. The preconstruction conference may include a partnering session, if appropriate. For a conference agenda example, refer to [Appendix 52.101](#).

The meeting should be documented and copies of the minutes transmitted to the Region Local Programs Engineer and each agency, organization, and firm that has involvement or interest in the project (see [Appendix 52.102](#)).

52.3 Quality Control

The quality of materials and workmanship on a project must conform to the contract specifications so that the public funds expended will have purchased a safe, economical, and fully functional transportation facility.

.31 General – The source for each type of material must be approved by the Local Agency prior to use. There are two submittal processes allowed by *Standard Specifications* Section 1-06.1 for material approval in Washington State, the Qualified Product List, and the Request for Approval of Materials (RAM). Contractors are encouraged to use one of these tools to request material approval or, if an agency has their own process established, to follow that.

The Qualified Product List (QPL) is compiled by the WSDOT Materials Laboratory (Mats Lab) Documentation Section and can be accessed at www.wsdot.wa.gov/Business/MaterialsLab/QPL.htm.

The Request for Approval of Material (DOT Form 350-071) is a form distributed by WSDOT. Contractors may use this form to submit requests for approval for materials not found in the QPL. Some agencies have a similar form that is also acceptable.

Local Agencies requesting a Record of Materials (ROM) from WSDOT's Mats Lab should submit their request as soon as possible to avoid delaying the contractor. The average processing time is approximately four to eight weeks.

Reimbursement of FHWA funds may be denied for work done contrary to, or in disregard of, the contract documents.

Local Agencies making improvements to National Highway System (NHS) routes with federal funding must comply with the FHWA approved qualified tester program. If a Local Agency is not certified to perform the tests, they can contact a qualified testing laboratory or their Region Local Programs Engineer to make arrangements for WSDOT to perform the testing on the project.

.32 Qualified Tester Requirements – For local agencies the guidelines below apply:

1. **Construction Projects on Non-NHS Highway System** – There is no requirement for qualified testers on the non-NHS highway system. Construction projects that have FHWA funds must follow the requirements contained in this manual.
2. **Construction Projects on the NHS Highway System With No FHWA Funds** – There is no requirement for qualified testers on the NHS highway system that do not have FHWA funds in the construction phase.
3. **Construction Projects on the NHS Highway System With FHWA Funds** – Qualified Testers are required for construction projects that on the NHS highway system that have FHWA funds in the construction phase.

Agencies have several options for meeting the qualified tester requirements:

- Contract with WSDOT to perform the required tests (based on available workforce).
- Local agencies may pursue tester qualification through WSDOT for agency personnel (based on available workforce).

- Agencies may use any AMRL R-18 laboratories qualified to test as defined by AASHTO test methods appropriate to the material. Employees of AMRL R-18 laboratories are considered qualified via the laboratory certification process. WAQTC testers may also work on NHS projects.
- Agencies may also use laboratories that are accredited by the Laboratory Accreditation Bureau, L-A-B for Construction Materials Testing or accredited by the Construction Materials Engineering Council's (CMEC's) ISO 17025 program. These laboratories are considered to meet the quality assurance requirements in 23 CFR 637.209(a) (2), (3), and (4).

.33 Quality Assurance Program for Qualified Testers – For work on an NHS Highway System local agencies must develop a quality assurance program which will assure that the materials and workmanship incorporated into each federal-aid highway construction project is in conformity with the requirements of the approved plans and specifications, including approved changes. The program must meet the criteria in FHWA regulation for *Quality Assurance Procedures for Construction* (23 CFR 637).

The Quality Assurance Program includes the following:

- Qualified Tester Program
- Equipment Calibration/Standardization/Check and Maintenance Program
- Qualified Laboratory Program
- Independent Assurances (IA) Program

There are three ways an agency can meet the IA on-site evaluation requirements. They are as follows:

- Contract with WSDOT's Region Materials Lab (based on available workforce)
- Contract with a qualified local agency
- Contract with a qualified testing firm.

HMA Testing – Qualification is required for the following test methods:

- **AASHTO T 168** – Sampling Bituminous Paving Mixtures
- **AASHTO T 308/ASTM D 6307** – Asphalt Content of Hot Mix Asphalt (HMA) by the Ignition Method (may substitute other AASHTO or ASTM extraction methods). Use of Ignition Method must include furnace correction factor for each mix tested.
- **AASHTO T 209/ASTM D 2041** – Rice Density
- **AASHTO T 27/T 11** – Sieve Analysis of Fine and Coarse Aggregates
- **AASHTO T 255** – Total Evaporable Moisture Content of Aggregate by Drying
- **WAQTC TM 6** – Moisture Content of HMA

HMA Density Testing – Qualification is required in the following test method:

- **WAQTC TM 8** – In place Density of Bituminous Mixes Using the Nuclear Moisture-Density Gauge

Concrete testing can be performed by testers qualified by AMRL R-18 qualification in the following test methods:

- **AASHTO T 23** – Making and Curing Concrete Test Specimens in the Field
- **AASHTO T 119** – Standard Test Method for Slump of Hydraulic-Cement Concrete
- **AASHTO T 152** – Air Content of Freshly Mixed Concrete by the Pressure Method
- **AASHTO T 141/ASTM C 172** – Sampling Freshly Mixed Concrete
- **AASHTO T 309** – Temperature of Freshly Mixed Portland Cement Concrete

Laboratories must meet the AASHTO Standards for Moist Cabinets, Moist Rooms, and Water Storage Tanks and be qualified to Cure, Cap, and perform compression testing of test specimens.

Testers with current ACI grade 1 Concrete Testing Certification can also perform concrete field testing on NHS projects with federal funding.

Aggregate testing can be performed by laboratories qualified by AMRL R-18 in the following test methods:

- **AASHTO T 2** – Sampling of Aggregates
- **AASHTO T 27/T 11** – Sieve Analysis of Fine and Coarse Aggregates
- **AASHTO T 176** – Determination of the Plastic Fines in Graded Aggregate by Use of the Sand Equivalent Test
- **AASHTO T 248** – Reducing Field Samples of Aggregates to Testing Size
- **AASHTO T 255** – Total Moisture Content of Aggregate by Drying
- **AASHTO TP 61** – Determining the Percentage of Fracture in Coarse Aggregate

Laboratories offering Embankment and Base Density field-testing must be qualified to perform the following test methods:

- **AASHTO T 272** – Family of Curves – One-Point Method
- **AASHTO T 310** – In-Place Density and Moisture Content of Soil and Soil Aggregate by Nuclear Method
- **AASHTO T 99** or other approved test method of determining – Moisture Density Relations of Soils

The following is a breakdown of materials and how they will be accepted.

List of Materials to Test

1. Structural Concrete
 - Slump
 - Air
 - Temp
 - Compression Testing
 - Aggregate
2. Asphalt in the roadway
 - Density
 - Hot Mix
 - Aggregate
3. Surfacing under roadway and bridge approaches
 - Density
 - Gradation and SE

4. Base material under roadway, embankments, bridge approaches
Density
Gradation and SE
5. Structural Grout
Compression Testing
6. High Strength Nuts Bolts and Washers*
Manufacturer's Certificate of Compliance
Certificate of Material Origin

List of Materials to Certify

1. Steel
Manufacturer's Certificate of Compliance
Certificate of Material Origin*
2. Iron
Certificate of Material Origin*
3. Liquid Asphalt Products
Manufacturer's Certificate of Compliance
4. Construction Geosynthetics
Manufacturer's Certificate of Compliance
5. Guardrail Items
Certificate of Material Origin for steel components*
6. Bridge Bearing Assemblies that are not welded
Manufacturer's Certificate of Compliance
Certificate of Material Origin**

List of Material to Accept With Visual Inspection or Catalog Cut**

(All items must meet FHWA Buy America Requirements)

1. Traffic marking – paints and thermoplastics
2. Electrical items and accessories
3. Fencing
4. Landscaping or irrigation items
5. Drainage Items
6. Rebar Tie Wire
7. Backer Rod under RCS Expansion Joints
8. Rebar Chairs and Dobie Blocks
9. Temporary Items
10. Compost
11. Street furniture etc.
12. Monument Case and Cover Certificate of Material Origin is required

*See *Standard Specifications* Section 9-06.5.

**Agencies must document the sources of steel and iron by having a "Certification of Materials Origin" on file including mounting hardware.

List of Materials That Require Fabrication Inspection

(All items must meet the FHWA Buy America Requirements)

1. Structural Steel Beams or Fabricated, Welded items
2. Structural Precast Concrete Items
3. Bridge Bearing Assemblies that are welded
4. Signs
5. Sign Bridges
6. Cantilever Sign Structures

52.4 Progress Payments

Progress payments must be based on measurements of work performed so that the contractor can be fairly compensated and so that public funds will not be expended on work that has not yet been done.

.41 General – Progress estimates should be prepared on a pre-selected date each month and payment made to the contractor. Measurement and payment for all acceptably completed bid items of work will be in accordance with *Standard Specifications* Section 1-09. Source documents used to support payments must be complete, standalone documents that fully support the payment being made. Documentation to support payment shall be in accordance with *Construction Manual Chapter 10*. Agencies that have integrated computer programs for Inspector Daily Reports and payment source documents shall include all the information shown on the WSDOT forms used for those purposes. Progress estimates should be prepared promptly and may be forwarded to the contractor for review and signature.

.42 Statement of Intent to Pay Prevailing Wages – The contractor and subcontractors of every tier shall submit form

LI 700-29 to Washington State Department of Labor & Industries (L&I) for approval of the wage rates they intend to pay. Each statement must be accompanied by the filing fee established by L&I and required by [RCW 39.12.030](#) and [39.12.040](#).

Form LI 700-29 shall be on file with the Local Agency before any payment is made to the contractor. Subcontractors of every tier shall have an approved copy of this form on file with the Local Agency before any payment can be made for their work.

52.5 Changes and Extra Work

Prior to beginning work on a contract, a Local Agency should have a written policy for the approval of change orders to ensure that appropriate procedures are followed. Without a written change order policy delegating approval authority, the designated CA Agreement approval authority must approve all change orders. See item #2, i of the Certification Agreement ([Chapter 13](#)).

It is important to distinguish between actual changes to the contract work and normal overruns and under-runs that may occur. No change order work shall be done prior to approval being given by the appropriate authority, verbal or written. Verbal approval requires written documentation including a description of work that adequately describes the extent of the change. Verbal approval must be followed by a written

change order. No contract payment shall be made prior to having the written change order approved by the appropriate authority.

Changes to a Condition of Award letter shall be handled in accordance with the GSP (Changes in the Quantity of Work). All change orders affecting the work of DBEs shall be submitted to the Region Local Programs Engineer for concurrence prior to executing the change order.

When changes in the work will alter the termini, character, and scope of an approved project, approval of Local Programs is required prior to the commencement of the physical work. For further information, refer to [Chapter 21](#). All change orders must be numbered in sequence.

Change order documentation is composed of two parts:

1. The approved change order signed by the agency and the contractor.
2. The backup documentation. The backup documentation shall include an explanation in sufficient detail so that everyone involved will understand the need for the change, and how the change will affect the overall contract. The explanation shall include a detailed justification of the cost and/or any adjustment to working days associated with the change. The detailed cost justification shall be documented independent of the contractor's proposal to substantiate the change.

.51 Administrative Settlement Costs – Administrative settlement costs are costs related to the defense and settlement of contract claims. These will include, but are not limited to salaries of contracting officers or their authorized representatives, attorneys, or members of arbitration boards, appeal boards, etc., that are allowable to the findings and determination of contract claims, but not including administrative or overhead costs.

FHWA funds may participate in administrative settlement costs, which are:

- Incurred after notice of claim.
- Properly supported.
- Directly allocable to a specific FHWA project.
- For employment of special counsel for review and defense of contract claims when recommended by the agency's legal counsel and approved in advance by WSDOT.

When a claim is submitted, the Region Local Programs Engineer should be contacted for advice on how to proceed.

52.6 Termination of Contract

Standard Specifications Section 1-08.10 contains procedures and criteria for termination of a contract. Prior to termination action against a contractor or reassignment of the performance to the surety, the Local Agency must obtain Local Programs concurrence.

52.7 Compliance With Federal Contract Provisions

FHWA requires that all subcontracts at any tier be in writing, per 23 CFR, Section 635.116(b). This includes both contracts between the prime contractor and their subcontractors, and contracts between subcontractors and their agents.

Each of these subcontracts must also physically contain the following documents. None of these documents can be included by reference only.

- The general special provision (GSP) entitled “Required Federal Aid Provisions.”
- Form FHWA 1273 “Required Contract Provisions, Federal Aid Construction Contracts.”
- The minimum wage rates for the contract as required by [RCW 39.12](#) and [Title 29](#) of the Code of Federal Regulations (CFR).

It is the responsibility of the Local Agency to ensure full compliance with the provisions above.

Implementation of the DBE and EEO programs are also federal contract requirements. For information, refer to [Chapters 26](#) and [27](#).

52.8 Physical Completion of Construction

The Local Agency will carry out the following requirements to terminate the construction contract and ready the project for acceptance by WSDOT and FHWA:

.81 Final Inspection – The Local Agency Project Engineer shall send a request for WSDOT inspection and acceptance to the Region Local Programs Engineer no later than within 15 days of substantial completion of work by the contractor. A copy of the completion letter that is sent to the contractor should accompany the request.

.82 Notice of Physical Completion – Within ten calendar days after physical completion of the work by the contractor, the Local Agency Project Engineer shall notify the contractor by letter that the construction is physically complete, and that the project is subject to audit and acceptance by WSDOT. The agency shall diligently pursue closure of the contract.

.83 Final Reports – A construction project is considered complete when the items listed below have been completed. All certifications and reports shall be retained for at least three years after final acceptance of the project.

1. **Final Estimate (Approving Authority File)** – When the contractor has a claim pending against the Local Agency and wants to receive a final estimate, a claim must be submitted in writing, detailing the specific items and amounts. When a claim is submitted, immediately contact the Region Local Programs Engineer so that FHWA can be informed of the claim’s details at an early stage. See [Standard Specifications](#) Section 1-09.12(2).
2. **Comparison of Preliminary and Final Quantities (Approving Authority File)** – This is a listing of items that show the preliminary and final quantities.
3. **Certified Final Bill for Utility Agreement, if applicable, to Region Local Programs Engineer.**
4. **Final Records (Approving Authority File)** – The Local Agency Project Engineer must document the work performed on the contract. Documentation consists of field books, inspector’s record of field tests, Project Engineer’s and inspector’s diaries, all invoices, weigh bills, truck measurements, quantity tickets, receiving reports, field office ledgers, mass diagrams, cross-sections, computer listings, and work profiles. Photographs or video tapes before, during, and after construction could be useful, especially if care is taken to show any unusual conditions, equipment, or procedures.

Final records shall be retained by the Local Agency for at least three years following acceptance of the project by Local Programs. The Local Agency will receive the administrative review letter showing the starting and ending date of the three-year retention period from the Director, Local Programs Division (OMB Circular A-133).

5. **Record of Material Samples and Tests**
 6. **Materials Certification (Appendix 52.104)** – The intent of the materials certification is to assure that the quality of all materials incorporated into the project are in conformance with the plans and specifications, and thus ensure a service life equivalent to the design life.
 - a. This materials certification shall be completed in accordance with *Construction Manual* Section 9-1.5 or **Section 52.3** of this manual and is submitted along with the completion letter to the Region Local Programs Engineer.
 7. **Affidavit of Wages Paid** – Upon completion of a contract, the prime contractor and every subcontractor or agent shall submit Form LI-700-7, Affidavit of Wages Paid, to L&I for certification of the wage rates paid on the project. Each affidavit must be accompanied by the filing fee established by L&I.

An L&I certified copy of Form LI-700-7 from the prime contractor, and every subcontractor or agent, must be on file with the Local Agency before the bond will be released.
 8. Release for the Protection of Property Owner and General Contractor. Form LI-263-83, is no longer furnished by L&I. The new process requires the agency to use the Labor and Industries website at <https://fortress.wa.gov/lni/crpsi/> to verify that the prime contractor and all subs on the project have paid the required industrial insurance and medical-aid premiums. The UBI number for each contractor and sub is required to access the verification. The printed verification statements must be on file with the Local Agency before the retained percentage can be released.
 9. For all federal aid projects and select state funded projects, the prime contractor shall enter the amounts paid to all firms involved with the contract (Zero payments shall be marked accordingly). The prime contractor shall enter the payments amount received from the agency each month into the WSDOT Diversity Management and Compliance System – DMCS (<https://wsdot.diversitycompliance.com>). The local agency shall each month confirm the entries in the WSDOT Diversity Compliance System. Payment information shall be entered monthly and include the actual date of the payment. See **Chapter 26**.
- .84 Project Acceptance** – The approving authority’s approval of the final estimate will be considered as the Local Agency’s acceptance of the project.

52.9 Projects within Interstate Rights of Way

All construction, materials, and quality control requirements contained in the current editions of the *Standard Specifications* and *Construction Manual* must be incorporated into the contract. (See [Section 14.3](#) for complete guidance on work within the Interstate Rights of Way.)

52.10 Appendices

- [52.101](#) Preconstruction Conference Agenda – Example
- [52.102](#) Preconstruction Conference Minutes – Example
- [52.103](#) Letter Requesting WSDOT Project, Inspection, and Acceptance – Example
- [52.104](#) Materials Certification – Example
- [52.105](#) Weekly Statement of Working Days
- [52.106](#) Change Order
- [52.107](#) Exceptions to the WSDOT *Construction Manual* M 41-01

52.11 Forms

See [Construction Manual Chapter 11](#)
FHWA Form WH-347

1. Order of work (Progress Schedule)
2. Utilities and Railroads
 - a. Project Engineer prepare list of affected services and representatives to be contacted.
 - b. Underground services should be located.
 - c. Notification time required by organizations.
 - d. Insurance required, if any.
3. Subcontractors and Agents
 - a. Request for approval must be submitted along with a Statement of Intent to Pay Prevailing Wage and Subcontractor or Agent Certification.
 - b. Nature of work to be performed by each.
 - c. Subcontractor's route correspondence via prime contractor.
 - d. Prime contractor must have a representative with authority on the job at all times (designated by letter).
 - e. DBE subcontract work – indepth discussion including conditions of award if any.
4. Records and Reports
 - a. Description of required forms and initial supply should be handed out or mailed to prime contractor.
 - b. All reports must be handled through prime contractor's office.
 - c. Record of Materials should be provided and Requests for Approval of Materials Sources (RAM) should be submitted as soon as possible.
 - d. Falsework plans, if required.
 - e. Certified payrolls must be submitted on time and wage rate interviews will be conducted. Per the FHWA 1273, employee full social security numbers and home addresses shall not be included on weekly payrolls.
 - f. EEO and trainee requirements – indepth discussion.
 - g. DBE requirements when the contract contains UDBE goals – indepth discussion.
 - DBE – Onsite reviews must be conducted on all DBE and UDBE firms that works on the project.
 - h. Required job site posters (provided to Prime Contractor).
 - i. Davis-Bacon statement regarding the USDOL, WSDOT and local agency's role in investigations for labor compliance.
 - j. ADA requirements.

5. Traffic Control And Safety
 - a. *Manual on Uniform Traffic Control Devices* will control signing.
 - b. Review and discussion of Traffic Control Plan (TCP) including pedestrian and bicycle accommodations.
 - c. Safety control on structures.
 - d. Flagman should use standard paddle and vest and must be certified with flagman card.
 - e. Speed regulation of construction equipment.
 - f. Contractor and project engineer designate by name the individual responsible for construction traffic control.
 - g. Safety and health requirements.
 - h. Request police to report all construction zone accidents to the contracting authority.
 - i. Gross legal load limits shall be adhered to.
 - j. The local agency will monitor the requirements of [RCW 46.61.655](#) as amended by Substitute House Bill No. 2455 and cooperate with law enforcement agencies in the enforcement as provided in *Standard Specifications* Section 1-07.1. Substitute House Bill No. 2455 deals with covered loads or 6 inches of freeboard.
6. Environmental Considerations
 - a. Commitment files.
 - b. Standard Specifications/Special Provisions.
 - c. Contractor responsibility to obtain permits.
 - d. Department of Ecology requires registration of rock crushers in accordance with [WAC 173-400](#).
 - e. Temporary Erosion and Sediment Control Plan (TESCP).
 - f. Spill Prevention, Control, and Containment Plan (SPCCP).
7. Dismiss Disinterested Parties (list those leaving)
8. Reopen with General Construction Discussion
 - a. Contractor explains how he plans to pursue the work.
 - b. Review of anticipated construction problems.
 - c. Conflict resolution – need for partnering.

To: (Contractor)

Agency:
Project Title:
F.A.:
Contract Number:

Date:

Attention: (Contractor's Representative)

1. Time:
Location of meeting:
2. Persons attending and organizations represented:
3. Description of work:
4. Discussion items:

Prepared by:

cc: Region Local Programs Engineer

Each agency, organization, and firm who has involvement or interest in the project.

Appendix 52.103 Letter Requesting WSDOT Project Inspection and Acceptance – Example

Date

Region Local Programs Engineer
Department of Transportation

Contract Number
Contract Name
Federal Aid Number

Dear Sir:

For your information, I am sending you a copy of the contract completion letter that was sent to the -contractor. I request inspection and acceptance of the project by WSDOT.

Sincerely,

(Director of Public Works)
(County Engineer)
(City Engineer)
(Local Agency Engineer)



Washington State
Department of Transportation

Materials Certification

Project: _____

Contract Number: _____

Checklist for Project Certification

	Yes	No	N/A	
1.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Request for approval of material sources was submitted for all items listed on the record of materials and as required by Chapter 9-4 of the Construction Manual or alternative procedures authorized by LAG Appendix 52.107.
2.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	All preliminary samples requested by or for approval of source were submitted and approved or an alternate approval material or product was used.
3.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	All samples and documentation including manufacturer's certificate of compliance, shop drawings, mill test certificates, etc., as required by the record of materials were submitted and subsequently approved.
4.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	If job quantities differed from those listed on the record of materials, acceptance samples were taken at the frequency listed in Chapter 9-5.7 of the Construction Manual or alternative procedures authorized by LAG Appendix 52.107.
5.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	All items requiring inspection at the point of fabrication were so inspected and were accepted at the jobsite by the presence of an approved stamp, sticker, tag, or mark.
6.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	The results of the tests on acceptance samples indicate that the materials incorporated in the construction work, and the construction operations controlled by sampling and testing, were in conformity with the approved plans and specifications. Exceptions to the plans and specifications are explained on the back hereof (or on attached sheet).
7.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Items added by change order and not listed on the record of materials were accepted in accordance with procedures listed in Chapter 9 of the Construction Manual or alternative procedures authorized by LAG Appendix 52.107.

Note: Any "No" answers on this checklist must be fully explained and documented. Attach test reports representing nonspecification material as well as an explanation of the circumstances leading to acceptance of said material. All seven items must be completed before the project can be certified.

Certified Signature: _____
Approving Authority

_____ Date

**WASHINGTON STATE
DEPARTMENT OF TRANSPORTATION
WEEKLY STATEMENT OF WORKING DAYS**

CONTRACT NO:
CONTRACTOR:

FEDERAL AID NO:

CONTRACT TITLE:
STATEMENT NO:

STATEMENT DATE:

This statement shows the number of working days charged to your contract for the week ending:

DATE	WEATHER	PHASE 00		PHASE		REASON
		WORK	UNWORK	WORK	UNWORK	
Sun		0.00	0.00	0.00	0.00	
Mon		0.00	0.00	0.00	0.00	
Tues		0.00	0.00	0.00	0.00	
Wed		0.00	0.00	0.00	0.00	
Thurs		0.00	0.00	0.00	0.00	
Fri		0.00	0.00	0.00	0.00	
Sat		0.00	0.00	0.00	0.00	
Days This Week:		0.00	0.00	0.00	0.00	
Days Work Suspended:			0.00		0.00	
Days Previously Reported:		.00	0.00	0.00	0.00	
Total Days To Date:		.00	0.00	0.00	0.00	

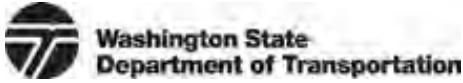
CURRENT STATUS:

Days Specified In Contract:	.00	0.00
Approved Extension of Time:	.00	0.00
Total Authorized Time of Contract:	.00	0.00
Less Workable Days Charged:	.00	0.00
Working Days Remaining:	.00	0.00

SUMMARY OF WEEKS ACTIVITIES:

PROJECT ENGINEER: _____

NOTE: The contractor will be allowed 10 days from the date of this report in which to protest in writing the correctness of this statement, otherwise it shall be deemed to have been accepted as correct.



Change Order

Contract Number	Contract Title	Federal Aid Number
Change Order Number	Change Description	Date
Prime Contractor / Design-Builder		

Ordered by Engineer under the terms of Section 1-04.4 of the Standard Specifications

Change proposed by Contractor / Design-Builder

Change Description

Verbal Approval Given By	Verbal Approval Date	Working Days +/-
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Original Contract Amount	Current Contract Amount	Est. Net Change This C.O.	Est. Contract Amount
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Approval Recommended	Approved	Approved
Project Engineer	_____	Approving Authority per C.A. Agreement
Date	_____	Date
Approval Recommended	_____	Other Approval As Required
By Prime Contractor	_____	Signature
Date	_____	Date
_____	_____	Representing

Contract Number	Contract Title	Change Order Number
Change Description Cont.		

Checklist

Change Order

Question	Yes	No	N/A
1. Does the change order alter the termini, character, or scope of the work?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
If yes, you must have H & LP approval to be eligible for federal funds.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
If yes, you must submit a revised Page 1 of the prospectus.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Is the Change Order over \$7,500.00 and outside the scope of work?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
If yes, the change cannot be a change order and must be an independent work.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Does the Change Order detail all items involved with the change?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. Does the Change Order include an adjustment in working days?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
If yes, the time extension must be stated in the Change Order.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
If yes, an independent engineer's estimate of time must be included to document the extension.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
If no, that must be stated in the Change Order.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. Does the Change Order alter the DBE Condition of Award?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
If yes, you must obtain concurrence form Local Programs.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
If yes, you must obtain the DBE's signature on the Change Order.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. Does the Change Order involve a material substitution?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
If yes, you must determine if a material credit is appropriate.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. If Change Order work started prior to its execution, prior verbal approval by the Approving Authority must be granted and documented.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8. Has the Change Order been signed by the contractor?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9. Has the Change Order been executed by the Approving Authority?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
If you are a "non CA Agency", you must have the acting CA Authority's approval.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10. Has an independent engineer's estimate justifying the costs and time extensions been completed and documented?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11. Has a detailed memo outlining the chronology of events, basis of need, costs and working days been prepared and placed in the file accompanying the Change Order?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Appendix 52.107 **Exceptions to the** **WSDOT Construction Manual M 41-01**

The following exceptions to the *Construction Manual* M 41-01 may be used by the local agency.

- The local agency may develop their own Record of Materials (ROM), and approve manufacturers not listed on the approved WSDOT manufacturers list. The ROM is a listing of the construction items, generated by either the State Materials Laboratory or the Local Agency that has been identified from the plans and specifications for each project. The ROM identifies the types and quantities of materials, the standard acceptance methods and the number of acceptance and verification samples required for all material that will be used on the project. The ROM should always be maintained. If material quantities are increased or decreased during the construction of the project the ROM must reflect these changes. This may either increase or decrease the amount of acceptance tests needed. The ROM needs to reference the standard specification or contract provision where the material requirement is defined. The ROM also lists the acceptance requirements for materials requiring other actions, such as fabrication inspection, manufacturer's certificate of compliance, shop drawing or catalog cuts.
- Asphalt plant inspectors and scalepersons are not required at established commercial sources. This exception does not allow the agency to eliminate acceptance sampling of the materials.
- The following items may be accepted with an approved catalogue cut and documented by visual inspection and a manufacturer's material certification (provided manufacturer's certification is based on actual testing and meet the FHWA Buy America Requirements):
 - Electrical items and accessories
 - Paving fabrics or construction geosynthetics
 - Fencing of any kind
 - Landscaping or irrigation items
 - Glare screens
 - Traffic buttons or pavement markings
 - Guardrail items (Certificate of Material Origin is required)
 - Drainage items (Certificate of Material Origin is required)
 - Emulsified Asphalt for HMA Tack Coat and BST (Suppliers Bill of Lading acts as Manufacturer's Certificate of Compliance)
 - Re Bar Tie Wire
 - Backer Rod under RCS Expansion Joint
 - Rebar Chairs and Dobie Blocks
 - Temporary Items
 - Sandbags, Rope, and Wood Stakes
 - Compost, topsoil
 - Monument Case and Cover (Certificate of Material Origin is required)

- PG Binder (Suppliers Bill of Lading acts as Manufacturer's Certificate of Compliance)
- Sign Inspection (Manufacturer's Certificate of Compliance is required)
- Pigmented Sealer
- A Certificate of Material Origin is required for all steel and iron items on federally funded projects.
- Local agencies are not required to have Scaleman's Daily Reports as long as:
 - The printed ticket contains **all** of the same information that is on the Scaleman's Daily Report Form 422-027.
 - You must have an AM and PM tare weight for each truck. The tare weights must be shown on the printed ticket.
 - **Local agencies are still required to collect scale certifications at 6-month intervals per *Standard Specification 1-09.2(2)*.**
- Local agencies may test their own signal cabinets.
- Local agencies may lower the density testing requirements to 90 percent of the rice density for non structural overlay pavement designs with a thickness of 1.25 to 2 inches (30 to 50 mm). This should be limited to areas or projects with documented foundation problems and on overlay of existing pavements.
- Local agencies are not required to follow the qualified testing program outlined in the *Construction Manual M 41-01* if the agencies projects are not on the NHS, or are on the NHS and the project does not contain federal funding AND the acceptance sampling frequencies and test methods are done in accordance with [Chapter 9](#) of the *Construction Manual M 41-01* and the exceptions listed above.

In addition to mandatory acceptance sampling, a local agency may choose to do independent assurance sampling. If a local agency elects to do independent assurance sampling, the procedures listed shall be followed.

- Assurance sampling and testing will be done independent of acceptance testing, not utilizing the same testing equipment or performed by the same personnel. Assurance samples of aggregate may be taken by the field inspector and split two ways. One split will be tested by the inspector in the field as an acceptance sample and the other split will be an assurance sample for immediate testing and comparison with field results.
- Assurance sample testing does not reflect on the acceptability of the material involved. Acceptance under the contract is determined by the acceptance testing process. Assurance testing is performed to obtain an independent verification of proper testing procedure and equipment.

Comparison of Assurance and Acceptance Test Results – Assurance sample results will be compared with the acceptance test results of the companion samples.

Reports of the comparison of results will be placed in the project file. The degree of conformance will be determined according to the deviation ranges noted below. Gradation test results will be compared only on specification screens.

Test	Normal Range of Deviation	Maximum Range of Deviation
Sand Equivalent	±8 points	±15 points
Fracture	±5 percent	±10 percent
Asphalt Content (HMA and ATB)	±0.3 percent	±0.6 percent
Sieve Analysis – All Items: No. 4 (4.75 mm) sieve and larger	±5 percent	±8 percent
No. 6 (3.35 mm) sieve to No. 80 (0.180 mm) sieve	±3 percent	±6 percent
No 100 (0.150 mm) and No. 200 (0.075 mm) sieve	±2 percent	±4 percent

In the table above, “Normal Range” indicates an acceptable range of variation between test results and no action is required. Test results which fall in this category will be so indicated by the wording “normal deviation” on the assurance test reports. Test results falling outside of the “Normal Range” but within the “Maximum Range,” will be indicated by the wording “questionable deviation” on the assurance test reports. For deviations falling into this category, the Project Engineer or a representative shall review the original test report form, advise the responsible test operator of the deviation, and review the test procedure at the next opportunity.

Test results exceeding the maximum range will be indicated by the wording “excessive deviation.” For deviations falling in the excessive category, the Project Engineer or a representative will notify the appropriate personnel for corrective action.

Corrective action will include review of sampling procedures, sample splitting procedures, testing procedures, and testing equipment. Actions and results of these investigations will be documented to the project file by a notation. These may include comments or findings by the Lab and testing personnel.

Independent Assurance Sampling Frequency Guide

Item	Test	Assurance Sample
Gravel Borrow	Grading & SE	1 – 20,000 Ton
Select Borrow	Grading & SE	1 – 20,000 Ton
Sand Drainage Blanket	Grading	1 – 20,000 Ton
Gravel Base	Grading, SE & Dust Ratio	1 – 20,000 Ton
CSTC	Grading, SE & Fracture	1 – 10,000 Ton
CSBC Grading	SE & Fracture	1 – 10,000 Ton
Maintenance Rock	Grading, SE & Fracture	1 – 10,000 Ton
Ballast Grading	SE & Dust Ratio	1 – 10,000 Ton
Shoulder Ballast	Grading & Fracture	1 – 10,000 Ton
Backfill for Sand Drains	Grading	1 – 10,000 Ton
Crushed Coverstone	Grading, SE & Fracture	1 – 5,000 Ton
Crushed Screening		
5/8 – 1/4	Grading & Fracture	1 – 5,000 Ton
1/2 – 1/4	Grading & Fracture	1 – 5,000 Ton
1/4 – 0	Grading & Fracture	1 – 5,000 Ton
Gravel Backfill for Foundations	Grading, SE & Dust Ratio	1 – 5,000 Ton
Walls	Grading, SE & Dust Ratio	1 – 5,000 Ton
Pipe Bedding	Grading, SE & Dust Ratio	1 – 5,000 Ton
Drains	Grading	1 – 5,000 Ton
PCC Paving		
Coarse Aggregate	Grading	1 – 10,000 Ton
Fine Aggregate	Grading	1 – 5,000 Ton
Completed Mix		
Consistency	Slump	1 – 25,000 SY
Air Content	Air	1 – 25,000 SY
Yield	Cement Factor	1 – 25,000 SY
Test Beam	Flexural Strength	1 – 25,000 SY
PCC Structures		
Coarse Aggregate	Grading	1 – 5,000 Ton
Fine Aggregate	Grading	1 – 2,500 Ton
Consistency	Slump	1 – 1,000 CY
Air Content	Air	1 – 1,000 CY
Cylinders (28-day)	Compressive Strength	1 – 1,000 CY
Yield	Cement Factor	1 – 1,000 CY
Cement	Chemical and Physical Certification (Verification Sample)	1 – 1,000 Ton
Asphalt Materials		Verification
Paving Asphalt (AR, AC, PBA)		1 qt. every 3rd shipment
Liquid Asphalt (Cutback, Emulsion)		1 qt. every other shipment
Emulsion for ACP Tack Coat		None required

