



INVITATION TO BID #2018-05
Borland Road Paving Project
ADDENDUM NUMBER 1
February 13, 2018

On January 30, 2018, Clackamas County ("County") published Invitation to Bid #2018-05 ("BID"). The County has found that it is in its interest to amend the BID through the issuance of this Addendum #1. Except as expressly amended below, all other terms and conditions of the original BID and subsequent Addenda shall remain unchanged.

1. The following changes are made to the Project Special Provisions:

- Remove and replace Section 02640- Shoulder Aggregate with Section 02640- Shoulder Aggregate, Addendum #1, dated February 13, 2018, hereby attached and incorporated by reference;
- Remove and replace Section 00641- AGGREGATE SUBBASE, BASE, AND SHOULDERS with SECTION 00641- AGGREGATE SUBBASE, BASE, AND SHOULDERS, Addendum #1, dated February 13, 2018, hereby attached and incorporated by reference.
- Remove and replace Section 00745- ASPHALT CONCRETE PAVEMENT, with Section 00745- ASPHALT CONCRETE PAVEMENT, Addendum #1, dated February 13, 2018, hereby attached and incorporated by reference;

Attachments: Section 02640- Shoulder Aggregate, Addendum #1 Dated February 13, 2018.
SECTION 00641-AGGREGATE SUBBASE, BASE AND SHOULDERS,
Addendum #1 dated February 13, 2018.
Section 00745- ASPHALT CONCRETE PAVEMENT, Addendum #1 dated
February 13, 2018.

End of Addendum #1

Addendum #1
February 13, 2018

Section 02640 - Shoulder Aggregate

Comply with Section 02640 of the Standard Specifications modified as follows:

02640.10 Aggregate:

(a) Grading – Replace this subsection with the following:

(a) Grading - Shoulder aggregate shall be crushed rock, including sand. Sieve analysis shall be Determined according to AASHTO T 27. Uniformly grade the aggregates from coarse to fine. The aggregates shall conform to one of the grading requirements of Table 02640-1 as identified in the Special Provisions or indicated by the pay item in the Contract Schedule of Items.

Table 02640-1

Grading Requirements - Shoulder Aggregates

Sieve Size	Separated Sizes	
	3" - 0	2 1/2" - 0
	Percent Passing (by Weight)	
3 1/2"	100	—
3"	95 – 100	—
2 1/2"	—	100
2"	—	95-100
1 1/2"	55-75	—
1 1/4"	—	55-75
1/4"	30-45	30-45

END SECTION

Addendum #1
February 13, 2018

SECTION 00641 - AGGREGATE SUBBASE, BASE, AND SHOULDERS

Comply with Section 00641 of the Standard Specifications modified as follows:

00641.10(a) Base and Shoulder Aggregate – Replace the last sentence in the first paragraph with the following:

Shoulder aggregate shall be 2 ½"-0 or 3"-0

00641.22 Spreading Equipment – Add the following to the end of this subsection:

All shoulder rock shall be placed using a heavy-duty self-propelled road widener capable of widening from 1' to 14' in a single pass. Discharge of the speed of the aggregate is controlled from a conveyor speed lever on the operator's console.

END SECTION

SECTION 00745 - ASPHALT CONCRETE PAVEMENT

Comply with Section 00745 of the Standard Specifications modified as follows:

00745.00 Scope – Add the following to the end of this subsection:

This work shall also include all preparation prior to the placement of asphalt materials, including thorough road cleaning, application of a tack coat, placement of pavement overlay fabric, placement of temporary pavement markings and all quality control testing and submittals.

00745.10(a-1-a) Separated Sizes - In the paragraph that begins "The number of fine aggregate..." replace "00745.13(b)" with "00745.13(a)".

00745.11(a) Asphalt Cement - Replace the first sentence with the following:

Replace PG 64-22 or PG 64-28 in the second paragraph with PG 64-22.

00745.42 Preparation of Underlying Surfaces - Add the following subsections:

(a) - Overlay Preparation - Existing pavement surfaces shall be cleaned of all loose material, dirt and dust by brooming, by flushing with water or other approved methods prior to applying the tack coat or pavement overlay fabric. Any grass or other vegetation between the existing asphalt concrete and the curb shall be totally removed. Any vegetation that exists over the face of the curb line shall be removed in a neat workman like manner. The existing curb shall be cleaned and a tack coat applied prior to paving.

NOTE: The contractor is responsible for street sweeping. Special attention will be given to organic materials in cracks and the removal of all materials on the edge of the existing pavement. The contractor shall use vacuum sweepers that are self-propelled equipped with rotating brooms and brushes that are capable of loosening dirt and debris from the road surface and collecting the material by vacuum device

All work required in the cleaning and preparing the work site as described above and payment for this item shall be considered incidental to and included in the unit price for asphalt concrete material, and no additional compensation shall apply.

00745.46(b) Depositing - Replace the paragraph that begins "Deposit ACP from..." with the following paragraph:

Deposit ACP from the hauling vehicles so segregation is prevented. Do not deliver the ACP directly into the paving machine for wearing courses where the continuous length of the panel is greater than 500 feet. Deliver the ACP to the paving machine by either a windrow pick-up machine or an end-dump transfer machine.

Replace the paragraph that begins "The quantities of ACP..." with the following paragraph:

The quantities of ACP will be measured on the weight basis. No separate measurement will be made for asphalt cement used in the mixture. No deduction will be made for lime or any other additive used in the mixture.

Add the following to the end of this subsection:

All joint edges between new asphalt concrete pavement and existing asphalt and concrete surfaces such as curbs, gutters, inlet structures, manholes, etc. shall be tacked.

All joints between asphalt concrete pavement and existing pavement surfaces, such as driveway seems, existing asphalt and new asphalt, etc, shall be sealed by an application of CSS-1 emulsified asphalt followed immediately by a cover coat of clean sand. The liquid asphalt shall be carefully applied so the width of coverage beyond the joint is kept to a minimum

For driveways and approaches the Contractor shall wing out the paving machine or dump additional material by hand for driveway apron. In no case will material be removed from the traveled lane for driveway apron.

00745.49(b-2-a) Testing - Replace "WAQTC TM 8" with "AASHTO T 355".

00745.49(b-2-b) Core Correlation of Nuclear Gauge Readings - In the paragraph that begins "Correlate each nuclear...", replace "WAQTC TM 8" with "AASHTO T 355".

00745.80 Measurement - Add the following paragraph to the beginning of this subsection:

The quantities of ACP shown in the Contract Schedule of Items were computed on the basis of aggregates having a Specific Gravity of 2.463.

Replace the paragraph that begins "The quantities of ACP..." with the following paragraph:

The quantities of ACP will be measured on the weight basis. No separate measurement will be made for asphalt cement used in the mixture. No deduction will be made for lime or any other additive used in the mixture.

00745.90 Payment – Replace this subsection with the following:

The accepted quantities of ACP incorporated into the Project, whether or not recycled materials are used, will be paid for at the Contract unit price, per unit of measurement.

Asphalt concrete shall be measured and paid for on a ton basis, to the nearest 0.01 English ton. There will be no separate measurement or payment for asphalt cement contained in the mixture. The Contract unit price per ton for asphalt concrete shall include all work and materials required to:

- Furnish and acceptably place the required Tack Coat;
- Acceptably clean the existing pavement surfaces in preparation for applying the tack
- Seal all cold and transverse joints with hot liquid asphalt and clean sand.
- Provide all necessary quality control tests in accordance with ODOT specification 00745.

Payment will be payment in full for furnishing and placing all materials, and for furnishing all equipment, labor, and incidentals necessary to complete the work as specified.

No separate or additional payment will be made for:

- reconditioning existing roadway
- leveling work
- lime
- QC testing
- sawing, cleaning, and filling joints on bridge deck overlays
- No separate or additional payment will be made for asphalt cement used in the mixture.

When indicated by other pay items in the Contract Schedule of Items, separate payment will be made for work described in 00745.42, 00749.91 and 00749.92.

When a panel consists of both temporary and permanent courses, payment for the entire panel will be based on the permanent course.

00745.95 Price Adjustments – Replace this subsection with the following:

There will be no ACP Price Adjustments for this project.

Asphalt concrete placed in overlay that does not comply with the compaction requirements herein shall be removed and replaced at the discretion of the Engineer.

END SECTION