



NORTH CAROLINA

Department of Transportation



2021CAPA – NCDOT Asphalt Workshop GoToWebinar

Wiley W. Jones III, PE

Assistant State Construction Engineer – Eastern Region

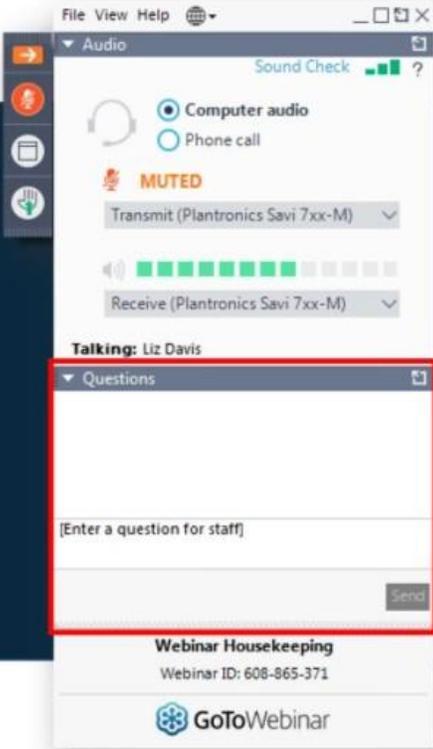
April 5, 2021

Participating in the Q&A Session



Open your control panel.

Submit questions and comments via the Questions panel.





NORTH CAROLINA

Department of Transportation



Optional Fuel Usage Factor for Asphalt Materials

Wiley W. Jones III, PE

Assistant State Construction Engineer – Eastern Region

April 5, 2021

Optional Asphalt Fuel Usage Factor

- What is the purpose of the option?
- Review of the Draft Special Provision
- How will this affect the Bidding Process?
 - Bid Build Projects
 - Design Build Projects
 - Express Design Build Projects
- Timeframe for Implementation
- Administration into HiCAMS Contracts
- Questions?

Purpose of the Change

- Sudden Drop in Diesel Fuel Price in 2020.
 - January 2020 \$2.0967
 - March 2020 \$1.7741
 - May 2020 \$0.8252
 - June 2020 \$1.0366
 - August 2020 \$1.3531
 - October 2020 \$1.1914



Sudden Drop in Price of Diesel

Price of Diesel by Month



Review of the Effected Special Provision

- Design Bid Build Projects
 - SP1G43 – Fuel Price Adjustment

FUEL PRICE ADJUSTMENT:

(11-15-05) (Rev. 2-18-14)

109-8

SP1 G43

Revise the 2018 Standard Specifications as follows:

Page 1-87, Article 109-8, Fuel Price Adjustments, add the following:

The base index price for DIESEL #2 FUEL is \$ [number] per gallon. Where any of the following are included as pay items in the contract, they will be eligible for fuel price adjustment.

The pay items and the fuel factor used in calculating adjustments to be made will be as follows:

Description	Units	Fuel Usage Factor Diesel
Unclassified Excavation	Gal/CY	0.29
Borrow Excavation	Gal/CY	0.29
Class IV Subgrade Stabilization	Gal/Ton	0.55
Aggregate Base Course	Gal/Ton	0.55
Sub-Ballast	Gal/Ton	0.55
Asphalt Concrete Base Course, Type ____	Gal/Ton	2.90
Asphalt Concrete Intermediate Course, Type ____	Gal/Ton	2.90
Asphalt Concrete Surface Course, Type ____	Gal/Ton	2.90
Open-Graded Asphalt Friction Course	Gal/Ton	2.90
Permeable Asphalt Drainage Course, Type ____	Gal/Ton	2.90
Sand Asphalt Surface Course, Type ____	Gal/Ton	2.90
Aggregate for Cement Treated Base Course	Gal/Ton	0.55
Portland Cement for Cement Treated Base Course	Gal/Ton	0.55
__ " Portland Cement Concrete Pavement	Gal/SY	0.245
Concrete Shoulders Adjacent to " Pavement	Gal/SY	0.245



Construction



U.S. Department of Transportation
Federal Highway Administration

TECHNICAL ADVISORY

Subject: Development and Use of Price Adjustment Contract Provisions

Date: December 10, 1980

Classification Code: T 5080.3

Par.

1. Purpose
2. Background
3. Criteria for Application to Specific Materials and Supplies
4. Project Conditions for Use of Price Adjustments
5. Development of Contract Provisions
6. Additional Considerations for Fuels

FHWA Development and Use of Price Adjustment Contract Provisions

Asphalt Concrete:				
- Pavement	Gal/Ton	2.57-2.90*	0.28-0.78	3.5
- Open-Graded	Gal/S.Y.	0.07	0.02	-
- Pavement Widening	Gal/S.Y.	0.86	0.24	-
*If natural gas is used for aggregate drying, deduct 2.00 gal/ton.				



Review of the Effected Special Provision

- Design Bid Build Projects
 - SP1G43 – Fuel Price Adjustment

FUEL PRICE ADJUSTMENT:

(11-15-05)(Rev. 2-18-14)

109-8

SP1 G43

Revise the 2018 Standard Specifications as follows:

Page 1-87, Article 109-8, Fuel Price Adjustments, add the following:

The base index price for DIESEL #2 FUEL is \$ [number] per gallon. Where any of the following are included as pay items in the contract, they will be eligible for fuel price adjustment.

The pay items and the fuel factor used in calculating adjustments to be made will be as follows:

Description	Units	Fuel Usage Factor Diesel
Unclassified Excavation	Gal/CY	0.29
Borrow Excavation	Gal/CY	0.29
Class IV Subgrade Stabilization	Gal/Ton	0.55
Aggregate Base Course	Gal/Ton	0.55
Sub-Ballast	Gal/Ton	0.55
Asphalt Concrete Base Course, Type _____	Gal/Ton	2.90 or 0.90
Asphalt Concrete Intermediate Course, Type _____	Gal/Ton	2.90 or 0.90
Asphalt Concrete Surface Course, Type _____	Gal/Ton	2.90 or 0.90
Open-Graded Asphalt Friction Course	Gal/Ton	2.90 or 0.90
Permeable Asphalt Drainage Course, Type _____	Gal/Ton	2.90 or 0.90
Sand Asphalt Surface Course, Type _____	Gal/Ton	2.90 or 0.90
Aggregate for Cement Treated Base Course	Gal/Ton	0.55
Portland Cement for Cement Treated Base Course	Gal/Ton	0.55
____" Portland Cement Concrete Pavement	Gal/SY	0.245
Concrete Shoulders Adjacent to ____ Pavement	Gal/SY	0.245

For the asphalt items included above as eligible for fuel adjustments, the bidder may include the *Fuel Usage Factor Adjustment Form* with their bid submission if they wish to select the fuel usage factor. The *Fuel Usage Factor Adjustment Form* can be found at the following link:

<https://connect.ncdot.gov/letting/Pages/Central.aspx>

Select either 2.90 Gal/Ton fuel factor or 0.90 Gal/Ton fuel factor for each line item on the *Fuel Usage Factor Adjustment Form*. Once the contractor selects the fuel factor for the associated material description, it will remain in effect for the entire duration of the contract.

Failure to complete the *Fuel Usage Factor Adjustment Form* will result in using 2.90 gallons per ton as the Fuel Usage Factor for Diesel for the asphalt items included above. The contractor will not be permitted to change the option after the bids are submitted.

Review of Draft Special Provision

Description	Units	Fuel Usage Factor Diesel
Unclassified Excavation	Gal/CY	0.29
Borrow Excavation	Gal/CY	0.29
Class IV Subgrade Stabilization	Gal/Ton	0.55
Aggregate Base Course	Gal/Ton	0.55
Sub-Ballast	Gal/Ton	0.55
Asphalt Concrete Base Course, Type ____	Gal/Ton	2.90 or 0.90
Asphalt Concrete Intermediate Course, Type ____	Gal/Ton	2.90 or 0.90
Asphalt Concrete Surface Course, Type ____	Gal/Ton	2.90 or 0.90
Open-Graded Asphalt Friction Course	Gal/Ton	2.90 or 0.90
Permeable Asphalt Drainage Course, Type ____	Gal/Ton	2.90 or 0.90
Sand Asphalt Surface Course, Type ____	Gal/Ton	2.90 or 0.90
Aggregate for Cement Treated Base Course	Gal/Ton	0.55
Portland Cement for Cement Treated Base Course	Gal/Ton	0.55
__" Portland Cement Concrete Pavement	Gal/SY	0.245
Concrete Shoulders Adjacent to __" Pavement	Gal/SY	0.245

Review of Draft Special Provision

For the asphalt items included above as eligible for fuel adjustments, the bidder may include the *Fuel Usage Factor Adjustment Form* with their bid submission if they wish to select the fuel usage factor. The *Fuel Usage Factor Adjustment Form* can be found at the following link:

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Select either 2.90 Gal/Ton fuel factor or 0.90 Gal/Ton fuel factor for each line item on the *Fuel Usage Factor Adjustment Form*. Once the contractor selects the fuel factor for the associated material description, it will remain in effect for the entire duration of the contract.

Failure to complete the *Fuel Usage Factor Adjustment Form* will result in using 2.90 gallons per ton as the Fuel Usage Factor for Diesel for the asphalt items included above. The contractor will not be permitted to change the option after the bids are submitted.

Review of Draft Special Provision

Fuel Usage Factor for Asphalt Materials Form

Contract Number	
County	
Contractor Name	
HiCAMS Vendor Number	

Select a Fuel Usage Factor for each of the Asphalt Material Descriptions to be used on the project. Click on the drop down arrow within Selected Fuel Usage Factor column to select either 2.90 or 0.90 gallons per ton for the corresponding asphalt material description.

The Diesel Fuel Usage Factor selected will be used for the entire contract duration.

Description	Unit	Selected Fuel Usage Factor	Diesel
Asphalt Concrete Base Course, Type B25.0C	Gal/Ton	2.9	▼
Asphalt Concrete Intermediate Course, Type I19.0C	Gal/Ton	2.9	▼
Asphalt Concrete Surface Course, Type SA-1	Gal/Ton	2.9	▼
Asphalt Concrete Surface Course, Type SA-1 (Leveling Course)	Gal/Ton	2.9	▼
Asphalt Concrete Surface Course, Type S4.75	Gal/Ton	2.9	▼
Asphalt Concrete Surface Course, Type S4.75 (Leveling Course)	Gal/Ton	2.9	▼
Asphalt Concrete Surface Course, Type S9.5B	Gal/Ton	2.9	▼
Asphalt Concrete Surface Course, Type S9.5B (Leveling Course)	Gal/Ton	2.9	▼
Asphalt Concrete Surface Course, Type S9.5C	Gal/Ton	2.9	▼
Asphalt Concrete Surface Course, Type S9.5C (Leveling Course)	Gal/Ton	2.9	▼
Asphalt Concrete Surface Course, Type S9.5D	Gal/Ton	2.9	▼
Asphalt Concrete Surface Course, Type S9.5D (Leveling Course)	Gal/Ton	2.9	▼
Open-Graded Asphalt Friction Course	Gal/Ton	2.9	▼
Permeable Asphalt Drainage Course, Type	Gal/Ton	2.9	▼
Sand Asphalt Surface Course, Type	Gal/Ton	2.9	▼

The default value of 2.90 Gallons per Ton unless changed above will be the diesel fuel usage factor for the asphalt material description for this contract.

Design Build Contracts

- Teams have already had ability to Opt-Out completely of fuel adjustments.
 - Submittal of Quantities, Fuel Base Index Price and Opt-Out Option
 - Estimated tonnage by material to include in the fuel adjustment

Current Design Build Projects

Addendum No. 2
 Fuel Usage Factor Chart and Estimate of Quantities
 Nash County

FUEL USAGE FACTOR CHART AND ESTIMATE OF QUANTITIES

Description of Work	Units	Fuel Usage Factor Diesel #2	Estimate of Quantities
Unclassified Excavation	Gal / CY	0.29	_____ CY
Borrow Excavation	Gal / CY	0.29	_____ CY
Class IV Subgrade Stabilization			
Aggregate Base Course	Gal / Ton	0.55	_____ Tons
Sub-Ballast			
Aggregate for Cement Treated Base Course			
Portland Cement for Cement Treated Base Course	Gal / Ton	0.55	_____ Tons
Asphalt Concrete Base Course	Gal / Ton	2.90	_____ Tons
Asphalt Concrete Intermediate Course			
Asphalt Concrete Surface Course			
Open-Graded Asphalt Friction Course			
Permeable Asphalt Drainage Course			
Sand Asphalt Surface Course, Type SA-1			
Portland Cement Concrete Pavement:			
Thru Lanes and Shoulders (> 11")	Gal / SY	0.327	_____ SY
Thru Lanes and Shoulders (9" to 11")		0.272	_____ SY
Thru Lanes and Shoulders (< 9")		0.245	_____ SY
* Structural Concrete (Cast-in-Place Only)	Gal / CY	0.98	_____ CY

* Structural Concrete shall be defined as cast-in-place Class A or Class AA concrete used in the construction of major structures for various work items identified in Division 4 of the 2018 *Standard Specifications for Roads and Structures*.

The above quantities represent a reasonable estimate of the total quantities anticipated, for each item, as pertaining to fuel price adjustments, and is representative of the design proposed in the Technical Proposal submitted under separate cover.

Or

The Design-Build Team elects not to pursue reimbursement for Fuel Price Adjustments on this project.

The information submitted on this sheet is claimed as a "Trade Secret" in accordance with the requirements of G.S. 66-152(3) until such time as the Price Proposal is opened.

Signature, Title

Dated

Print Name, Title

(Submit a copy of this sheet in a separate sealed package with the outer wrapping clearly marked "Fuel Price Adjustment" and deliver with the Technical Proposal.)

Review of Draft Special Provision

SUBMITTAL OF QUANTITIES, FUEL BASE INDEX PRICE AND OPT-OUT OPTION

1/23/14

DB1 043

(A) Submittal of Quantities

Submit quantities on the *Fuel Usage Factor Chart and Estimate of Quantities* sheet, located in the back of this RFP, following the Itemized Proposal Sheet.

The Design-Build Team shall prepare an Estimate of Quantities that they anticipate incorporating into the completed project and upon which the Price Proposal was based. The quantity breakdown shall include all items of work that appear in the *Fuel Usage Factor Chart and Estimate of Quantities* sheet. Only those items of work which are specifically noted in the *Fuel Usage Factor Chart and Estimate of Quantities* sheet will be subject to fuel price adjustments.

Submittal - The submittal shall be signed and dated by an officer of the Design-Build Team. The information shall be copied and submitted in a separate sealed package with the outer wrapping clearly marked "Fuel Price Adjustment" and shall be delivered at the same time and location as the Technical Proposal. The original shall be submitted in the Price Proposal.

Trade Secret - Information submitted on the *Fuel Usage Factor Chart and Estimate of Quantities* sheet will be considered "Trade Secret" in accordance with the requirements of G.S. 66-152(3) until such time as the Price Proposal is opened.

(B) Base Index Price

The Design-Build Team's Estimate of Quantities will be used on the various partial payment estimates to determine fuel price adjustments. The Design-Build Team shall submit a payment request for quantities of work completed based on the work completed for that estimate period. The quantities requested for partial payment shall be reflective of the work actually accomplished for the specified period. The Design-Build Team shall certify that the quantities are reasonable for the specified period. The base index price for DIESEL #2 FUEL is \$ [redacted] per gallon.

(C) Opt Out of Fuel Price Adjustment

If the Design-Build Team elects not to pursue reimbursement for Fuel Price Adjustments, a quantity of zero shall be entered for all quantities in the *Fuel Usage Factor Chart and Estimate of Quantities* sheet and the declination box shall be checked. Failure to complete this form will mean that the Design-Build Team is declining the Fuel Price Adjustments for this project.

(D) Change Option

The proposer will not be permitted to change the option after the copy of the *Fuel Usage Factor Chart and Estimate of Quantities* sheet is submitted with the Technical Proposal.

(E) Fuel Usage Factor for Asphalt Line Items

If the Design-Build Team elects to pursue reimbursement for Fuel Price Adjustments, the Design-Build Team shall select either the 0.90 or 2.90 Fuel Usage Factor for each individual asphalt line item by marking the appropriate Factor on the *Fuel Usage Factor Chart*. If the Design-Build Team does not mark either Fuel Usage Factor or marks both Fuel Usage Factors for an asphalt line item, the 2.90 Fuel Usage Factor shall be used for that asphalt line item.

(F) Failure to Submit

Failure to submit the completed *Fuel Usage Factor Chart and Estimate of Quantities* sheet separately with the Technical Proposal and in the Price Proposal will result in the Technical and Price Proposal being considered irregular by the Department and the Technical and Price Proposal may be rejected.

Review of Draft Special Provision

(E) Fuel Usage Factor for Asphalt Line Items

If the Design-Build Team elects to pursue reimbursement for Fuel Price Adjustments, the Design-Build Team shall select either the 0.90 or 2.90 Fuel Usage Factor for each individual asphalt line item by marking the appropriate Factor on the *Fuel Usage Factor Chart*. If the Design-Build Team does not mark either Fuel Usage Factor or marks both Fuel Usage Factors for an asphalt line item, the 2.90 Fuel Usage Factor shall be used for that asphalt line item.

Design Build Projects

C 204412 Addendum No. 2
 (U-5026 / R-5720) Fuel Usage Factor Chart and Estimate of Quantities Nash County

FUEL USAGE FACTOR CHART AND ESTIMATE OF QUANTITIES

Description of Work	Units	Fuel Usage Factor Diesel #2	Estimate of Quantities
Unclassified Excavation	Gal / CY	0.29	_____ CY
Borrow Excavation	Gal / CY	0.29	_____ CY
Class IV Subgrade Stabilization			
Aggregate Base Course	Gal / Ton	0.55	_____ Tons
Sub-Ballast			
Aggregate for Cement Treated Base Course			
Portland Cement for Cement Treated Base Course	Gal / Ton	0.55	_____ Tons
Asphalt Concrete Base Course			
Asphalt Concrete Intermediate Course	Gal / Ton	2.90	_____ Tons
Asphalt Concrete Surface Course			
Open-Graded Asphalt Friction Course			
Permeable Asphalt Drainage Course			
Sand Asphalt Surface Course, Type SA-1			
Portland Cement Concrete Pavement:			
Thru Lanes and Shoulders (> 11")	Gal / SY	0.327	_____ SY
Thru Lanes and Shoulders (9" to 11")		0.272	_____ SY
Thru Lanes and Shoulders (< 9")		0.245	_____ SY
* Structural Concrete (Cast-in-Place Only)	Gal / CY	0.98	_____ CY

- * Structural Concrete shall be defined as cast-in-place Class A or Class AA concrete used in the construction of major structures for various work items identified in Division 4 of the 2018 *Standard Specifications for Roads and Structures*.
- The above quantities represent a reasonable estimate of the total quantities anticipated, for each item, as pertaining to fuel price adjustments, and is representative of the design proposed in the Technical Proposal submitted under separate cover.
- Or
- The Design-Build Team elects not to pursue reimbursement for Fuel Price Adjustments on this project.

The information submitted on this sheet is claimed as a "Trade Secret" in accordance with the requirements of G.S. 66-152(3) until such time as the Price Proposal is opened.

Signature, Title _____ Dated _____

Print Name, Title _____

(Submit a copy of this sheet in a separate sealed package with the outer wrapping clearly marked "Fuel Price Adjustment" and deliver with the Technical Proposal.)

C20XXXX (X-XXXX) Fuel Usage Factor Chart and Estimate of Quantities XXXXX County

FUEL USAGE FACTOR CHART AND ESTIMATE OF QUANTITIES

Description of Work	Units	Fuel Usage Factor Diesel #2	Estimate of Quantities
Unclassified Excavation	Gal / CY	0.29	_____ CY
Borrow Excavation	Gal / CY	0.29	_____ CY
Class IV Subgrade Stabilization			
Aggregate Base Course	Gal / Ton	0.55	_____ Tons
Sub-Ballast			
Aggregate for Cement Treated Base Course			
Portland Cement for Cement Treated Base Course	Gal / Ton	0.55	_____ Tons
* Asphalt Concrete Base Course	Gal / Ton	0.90 2.90	_____ Tons
* Asphalt Concrete Intermediate Course	Gal / Ton	0.90 2.90	_____ Tons
* Asphalt Concrete Surface Course	Gal / Ton	0.90 2.90	_____ Tons
* Open-Graded Asphalt Friction Course	Gal / Ton	0.90 2.90	_____ Tons
* Permeable Asphalt Drainage Course	Gal / Ton	0.90 2.90	_____ Tons
* Sand Asphalt Surface Course, Type SA-1	Gal / Ton	0.90 2.90	_____ Tons
Portland Cement Concrete Pavement			
Through Lanes and Shoulders (≥ 11")	Gal / SY	0.327	_____ SY
Through Lanes and Shoulders (9" to 11")		0.272	_____ SY
Through Lanes and Shoulders (≤ 9")		0.245	_____ SY
** Structural Concrete (Cast-in-Place Only)	Gal / CY	0.98	_____ CY

- * Select 0.90 OR 2.90
- ** Structural Concrete shall be defined as cast-in-place Class A or Class AA concrete used in the construction of major structures for various work items identified in Division 4 of the 2018 *Standard Specifications for Roads and Structures*.
- The above quantities represent a reasonable estimate of the total quantities anticipated, for each item, as pertaining to fuel price adjustments, and is representative of the design proposed in the Technical Proposal submitted under separate cover.
- Or
- The Design-Build Team elects not to pursue reimbursement for Fuel Price Adjustments on this project.

The information submitted on this sheet is claimed as a "Trade Secret" in accordance with the requirements of G.S. 66-152(3) until such time as the Price Proposal is opened.

Signature, Title _____ Dated _____

Print Name, Title _____

(Submit a copy of this sheet in a separate sealed package with the outer wrapping clearly marked "Fuel Price Adjustment" and deliver with the Technical Proposal submittal.)

Review of Draft Special Provision

* Asphalt Concrete Base Course	Gal / Ton	_____ 0.90	_____ 2.90	_____ Tons
* Asphalt Concrete Intermediate Course	Gal / Ton	_____ 0.90	_____ 2.90	_____ Tons
* Asphalt Concrete Surface Course	Gal / Ton	_____ 0.90	_____ 2.90	_____ Tons
* Open-Graded Asphalt Friction Course	Gal / Ton	_____ 0.90	_____ 2.90	_____ Tons
* Permeable Asphalt Drainage Course	Gal / Ton	_____ 0.90	_____ 2.90	_____ Tons
* Sand Asphalt Surface Course, Type SA-1	Gal / Ton	_____ 0.90	_____ 2.90	_____ Tons

Express Design Build Changes

- Submittal of Quantities, Fuel Base Index Price and Opt-Out Option
- Fuel Usage Factor Chart and Estimate of Quantities
 - Attachment Submitted with package rather than electronically submitted

Implementation Timeframe

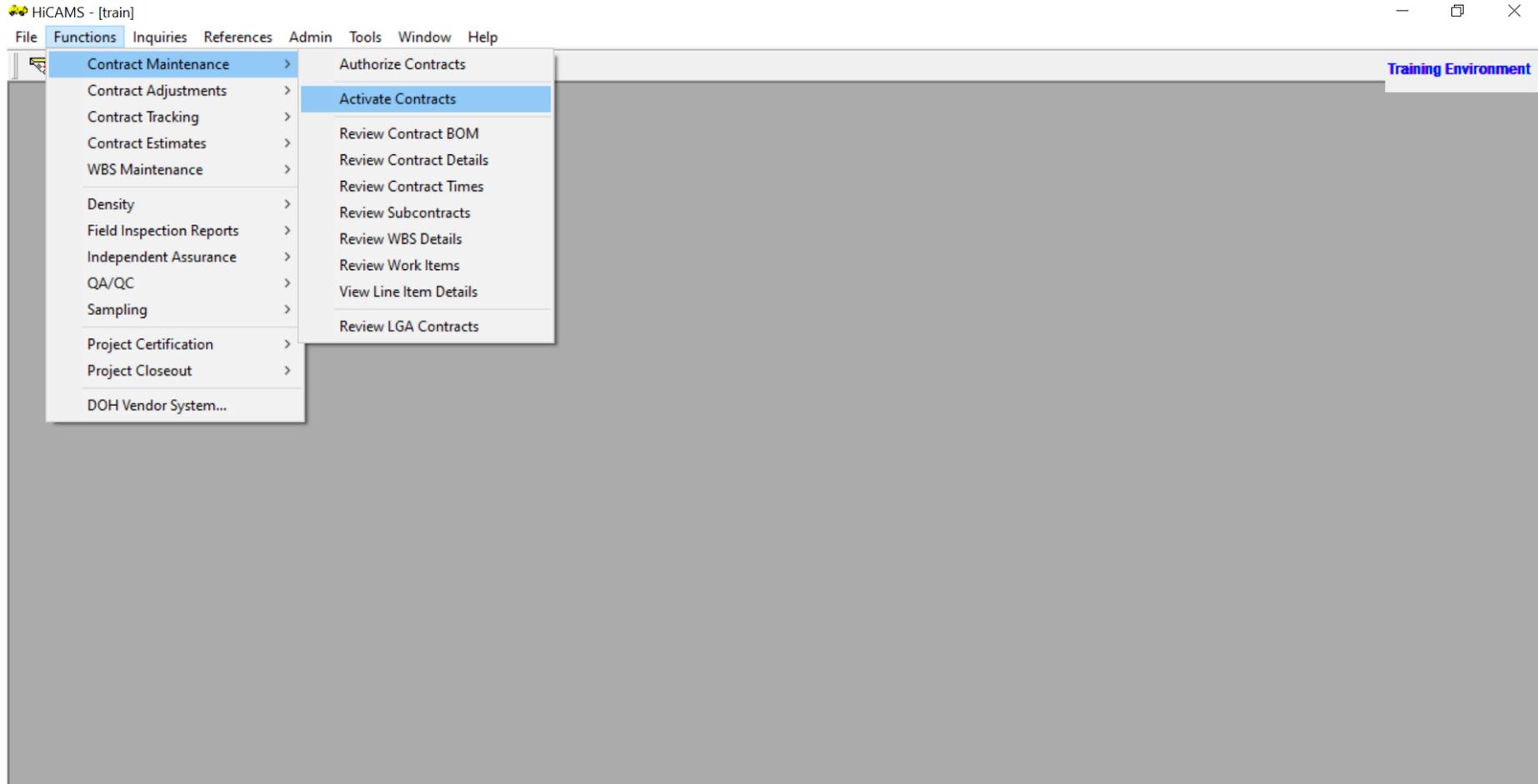
- Effective for July 2021 Letting
 - Division let contracts
 - Centrally let contracts



NCDOT Contract Administration Changes

- The Fuel Usage Factor chart will be included in the back of the contract.
- Use this form while Verifying the Line-Item Indicators during Contract Activation Process in HiCAMS

Activate Contract in HiCAMS



Select Indicators to Verify Line Item Indicators

HICAMS - [train] - □ ×

File Edit Functions Inquiries References Admin Tools Window Help

Training Environment

Review Contract Details (C204284) □ □ ×

Contract: C204284 Contractor: APAC - ATLANTIC INC THOMPSON ARTHUR DIV Status: Executed

Description (nickname): CASWELL RESURFACING 2021

General Routes/Counties Staff Goals Dates Financials Status Completion Project Guarantee Project Closeout M&T Status History

Nickname: CASWELL RESURFACING 2021 Bid Amount: \$3,422,632.90

Location: 14 SECTIONS OF US-29 AND RAMPS. Contract Type: Resurfacing

Contractor: 4315 - APAC - ATLANTIC INC THOMPSON ARTHUR DIV WBS: 2021CPT.07.08.10171

Fiscal Vendor #: 37746 Spec Year: 2018

Physical Len: 6.028 Miles - English

Comment:

Work Order	Federal Aid Number	Merge	TIP
2021CPT.07.08.	STATE FUNDED	N	

Step By Step 100% State Funded

Railroad Insurance A Plus B

No Plan Blanket Consent

Seed Mulch Incentive SBE

Vegetation ICT Floating Availability Date

Incentive/Bonus

Project Guarantee Project Guarantee Months:

Regional Category: Statewide

Funding Source

Garvee Funds USDOT Build Bonds

NC Build Bonds Other Federal Bond



Activate Indicators Warranties

Fuel Usage Factor for Asphalt Materials Form

Contract Number	
County	
Contractor Name	
HiCAMS Vendor Number	

Select a Fuel Usage Factor for each of the Asphalt Material Descriptions to be used on the project. Click on the drop down arrow within Selected Fuel Usage Factor column to select either 2.90 or 0.90 gallons per ton for the corresponding asphalt material description.

The Diesel Fuel Usage Factor selected will be used for the entire contract duration.

Description	Unit	Selected Fuel Usage Factor	
		Diesel	
Asphalt Concrete Base Course, Type B25.0C	Gal/Ton	2.9	▼
Asphalt Concrete Intermediate Course, Type I19.0C	Gal/Ton	2.9	▼
Asphalt Concrete Surface Course, Type SA-1	Gal/Ton	2.9	▼
Asphalt Concrete Surface Course, Type SA-1 (Leveling Course)	Gal/Ton	2.9	▼
Asphalt Concrete Surface Course, Type S4.75	Gal/Ton	2.9	▼
Asphalt Concrete Surface Course, Type S4.75 (Leveling Course)	Gal/Ton	2.9	▼
Asphalt Concrete Surface Course, Type S9.5B	Gal/Ton	2.9	▼
Asphalt Concrete Surface Course, Type S9.5B (Leveling Course)	Gal/Ton	2.9	▼
Asphalt Concrete Surface Course, Type S9.5C	Gal/Ton	2.9	▼
Asphalt Concrete Surface Course, Type S9.5C (Leveling Course)	Gal/Ton	2.9	▼
Asphalt Concrete Surface Course, Type S9.5D	Gal/Ton	2.9	▼
Asphalt Concrete Surface Course, Type S9.5D (Leveling Course)	Gal/Ton	2.9	▼
Open-Graded Asphalt Friction Course	Gal/Ton	2.9	▼
Permeable Asphalt Drainage Course, Type	Gal/Ton	2.9	▼
Sand Asphalt Surface Course, Type	Gal/Ton	2.9	▼

The default value of 2.90 Gallons per Ton unless changed above will be the diesel fuel usage factor for the asphalt material description for this contract.

Select the Asphalt Line Item and compare the Fuel Factor to back of selected value in the Contract

HiCAMS - [train] - □ ×

File Edit Functions Inquiries References Admin Tools Window Help

Training Environment

Set Line Item Indicators (C204284) □ □ ×

Contract: C204284 Contractor: APAC - ATLANTIC INC THOMPSON ARTHUR DIV Status: Executed
Description (nickname): CASWELL RESURFACING 2021

Line Item	Cont Adj	Description	UOM	Function Code	Major Item Indicator	Specialty Indicator	AC Adjustment Indicator	Fuel Adjustment Indicator	Fuel Factor
1		MOBILIZATION	LS	7640 Contractors - Roa	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	.000
2		BORROW EXCAVATION	CY	7610 Contractors - Lan	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	.290
3		INCIDENTAL STONE BASE	TON	7640 Contractors - Roa	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	.000
4		SHOULDER RECONSTRUCTION	SMI	7610 Contractors - Lan	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	.000
5		MILL ASP PVMT ***** DTH [(1-1/2")]	SY	7640 Contractors - Roa	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	.000
6		MILL ASP PVMT ***** DTH [(2-1/8")]	SY	7640 Contractors - Roa	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	.000
7		INCIDENTAL MILLING	SY	7640 Contractors - Roa	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	.000
8		ASP CONC BASE CRS B25.0C	TON	7640 Contractors - Roa	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2.900
10		ASP CONC SURF CRS S9.5C	TON	7640 Contractors - Roa	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2.900
11		ASP FOR PLANT MIX	TON	7640 Contractors - Roa	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	.000
12		POLYM MOD ASP BNDR FOR PLT MIX	TON	7640 Contractors - Roa	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	.000
13		OG ASP FRICT FC-1 MOD	TON	7640 Contractors - Roa	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2.900
14		PATCHING EXIST PAVEMENT	TON	7640 Contractors - Roa	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	.000
15		MILLED RUMBLE STRIPS	LF	7640 Contractors - Roa	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	.000
16		WORK ZONE SIGNS (STAT)	SF	7640 Contractors - Roa	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	.000
17		WZ DIGITAL SPD LMT SIGNS	EA	7640 Contractors - Roa	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	.000
18		LAW ENFORCEMENT	HR	7640 Contractors - Roa	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	.000

Verify

Thank you for your attention



Discussion/Questions?