

### **NORTH CAROLINA**

Department of Transportation



















# AGC/NCDOT Workshop 2020

**CONTRACT ADMINISTRATION SESSION** 

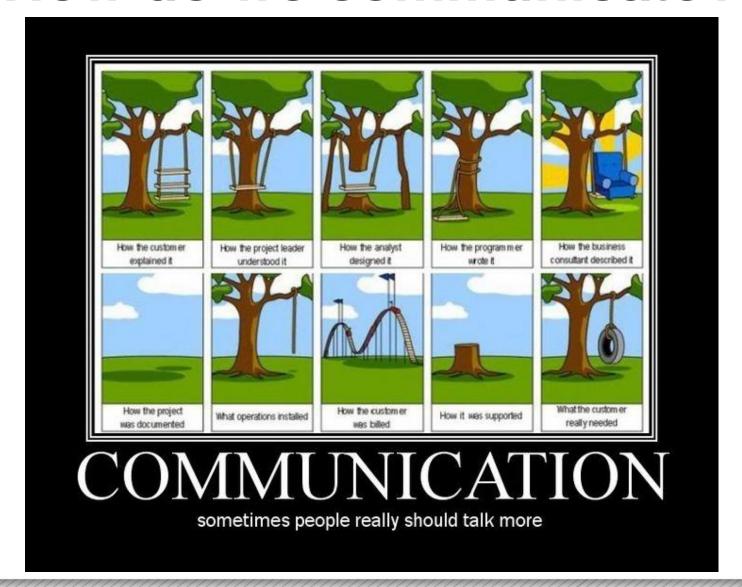
WILEY JONES, BRYAN EDWARDS,
MICHELLE GADDY, and BRIAN WEBB

### **Contract Administration Topics**

- Communication
- Partial Pay Estimate Quantities
- Subcontract Approval Form (SAF)
- Davis Bacon Act / Certified Payroll
- Subcontractor Payment Tracking
- Joint Check Agreements
- FHWA 1391 Form Annual EEO Report

- Title VI Posters and Contract Language
- Project Closeout
- E-ticketing
- Letting Website Updates
- Electronic Pay Records
- Questions

### How do we communicate?



### Communication

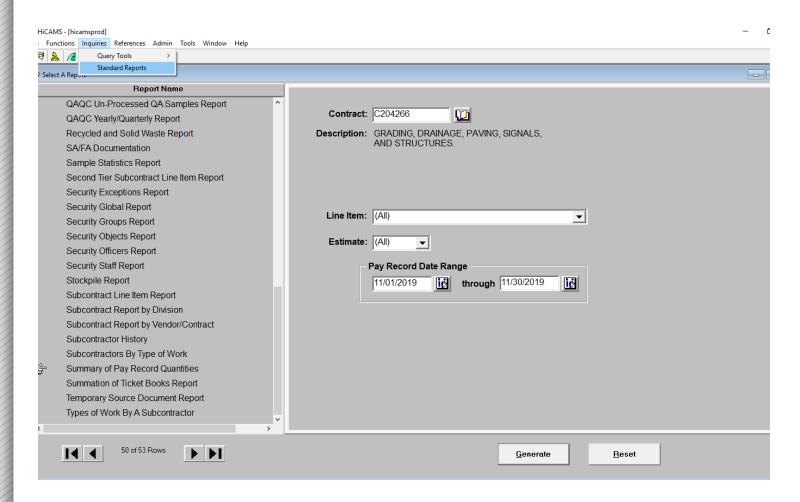
- Make sure you are keeping up with critical topics of conversation from meetings and project visits. Don't wait for an issue to blow up.
- Meet in person when solutions are needed. Identify problems, develop solutions and keep project moving.
- Different parties may have different priorities. Make sure to include anyone who is critical to the conversation.
- Make a decision and take ownership of the decision.
- Work together as a team to ensure that all parties have resolution

# Partial Estimates - Can you get quantities?



- Estimates can be obtained for any period of time regardless of the state of the estimate.
- RE offices and contractor staff should be keeping track of daily quantities as work is performed. Inspection staff should still ensure records are provided to RE office for estimate preparation.
- Sharepoint records can be approved on regular basis and passed into HICAMS.

### How to provide quantities



- 2 reports are needed "Summary of Pay Record Quantities" and "Summation of Ticket Books Report"
- Found under Inquiries Standard Reports
- Enter pay record date range for monthly quantities
- Report will be provided that shows quantities for any given time period
- Price information is not available in this view.

# How to provide quantities



### North Carolina Department of Transportation

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**Summary of Permanent Pay Record Quantites** 

Line Item	Cont Adj	Non- Part	Description	UOM	Source	Book Number	Page Number	Page Quantity
2			CONSTRUCTION SURVEYING	LS	Entered via Sharepoint			.02400
3			UTILITY COORDINATOR	LS	Entered via Sharepoint			.12600
5			OUTFITTING FEE	EA	Entered via Sharepoint			2.00000
7			CLEARING & GRUBBING	LS	Entered via Sharepoint			.20000
23			GEOTEXTILE SOIL STABILIZATION	SY	Entered via Sharepoint			245.43000
162			REMOVE EXISTING GUARDRAIL	LF	Entered via Sharepoint			7,975.0000
180			GEOTEXTILE FOR DRAINGE	SY	Entered via Sharepoint			142.6670
188			SUPPORT, BARR SMALL	EA	Entered via Sharepoint			5.0000
221			HIGH VISIBILITY STAT SIGNS	SF	Entered via Sharepoint			151.5000
236			TEMPORARY CRASH CUSHIONS	EA	Entered via Sharepoint			5.0000
239			PORT CONC BARRIER	LF	Entered via Sharepoint			11,412.0000
243			LAW ENFORCEMENT	HR	Entered via Sharepoint			95.0000
282			TEMPORARY SILT FENCE	LF	Entered via Sharepoint			707.0000
290			SAFETY FENCE	LF	Entered via Sharepoint			3,207.0000
291			SILT EXCAVATION	CY	Entered via Sharepoint			226.6670
292			MATTING FOR EROS CONTROL	SY	Entered via Sharepoint			695.5000
294			1/4" HARDWARE CLOTH	LF	Entered via Sharepoint			20.0000
303			COIR FIBER BAFFLE	LF	Entered via Sharepoint			123.0000
304			**" SKIMMER [(1-1/2")]	EA	Entered via Sharepoint			1.0000
307			SEEDING AND MULCHING	ACR	Entered via Sharepoint			.0800
317			RESPONSE FOR EROS CONTROL	EA	Entered via Sharepoint			3.0000



### **North Carolina Department of Transportation**

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**Summation of Ticket Books** 

Contract: C203860						From: 10/01/2019	to 1	1/30/2019						
Line Item: 14 SA3	ASP CONC SUR	F CRS S9.5B												
WBS	Non-Ticket Part Book	Job Mix Date Formula	Map Nbr		Line Description	Total Quantity	%	Virgin AC Quantity	%	Rap AC Quantity		Other AC Quantity	%	Total AC Quantity
2016CPT.12.08.10491	17 10	/01/201918-0493-131-RF	25 5	19	- ASP FOR PLANT MIX	1,513.710	4.7	71.144	1.2	18.165	0.0	0.000	5.9	89.309
	18 10	/02/2019 18-0493-131-RF	25 5	19	- ASP FOR PLANT MIX	1,330.150	4.7	62.517	1.2	15.962	0.0	0.000	5.9	78.479
	19 10	/03/201918-0493-131-RF	25 5	19	- ASP FOR PLANT MIX	88.900	4.7	4.178	1.2	1.067	0.0	0.000	5.9	5.24
	20 10	/06/201918-0493-131-RF	25 5	19	- ASP FOR PLANT MIX	494.850	4.7	23.258	1.2	5.938	0.0	0.000	5.9	29.196
	21 10	/07/201918-0493-131-RF	25 5	19	- ASP FOR PLANT MIX	466.680	4.7	21.934	1.2	5.600	0.0	0.000	5.9	27.534
	22 10	/08/201918-0493-131-RF	25 5	19	- ASP FOR PLANT MIX	717.960	4.7	33.744	1.2	8.616	0.0	0.000	5.9	42.36
	24 10	/10/201918-0493-131-RF	25 5	19	- ASP FOR PLANT MIX	876.450	4.7	41.193	1.2	10.517	0.0	0.000	5.9	51.71
	26 10	/14/201918-0493-131-RF	25 5	19	- ASP FOR PLANT MIX	1,309.370	4.7	61.540	1.2	15.712	0.0	0.000	5.9	77.25
	27 10	/15/201918-0493-131-RF	25 5	19	- ASP FOR PLANT MIX	754.170	4.7	35.446	1.2	9.050	0.0	0.000	5.9	44.49
	28 10	/16/201918-0493-131-RF	25 5	19	- ASP FOR PLANT MIX	78.220	4.7	3.676	1.2	0.939	0.0	0.000	5.9	4.61
	29 10	/17/201918-0493-131-RF	25 5	19	- ASP FOR PLANT MIX	115.870	4.7	5.446	1.2	1.390	0.0	0.000	5.9	6.83
	30 10	21/201918-0493-131-RF	25 5	19	- ASP FOR PLANT MIX	10.000	4.7	0.470	1.2	0.120	0.0	0.000	5.9	0.59
	31 10	23/201918-0493-131-RF	25 2	19	- ASP FOR PLANT MIX	927.810	4.7	43.607	1.2	11.134	0.0	0.000	5.9	54.74
	32 10	24/2019 18-0493-131-RF	25 2	19	- ASP FOR PLANT MIX	1,060.060	4.7	49.823	1.2	12.721	0.0	0.000	5.9	62.54
	33 10	27/201918-0493-131-RF	25 2	19	- ASP FOR PLANT MIX	1,247.370	4.7	58.626	1.2	14.968	0.0	0.000	5.9	73.59
	34 10	28/2019 18-0493-131-RF	25 2	19	- ASP FOR PLANT MIX	89.600	4.7	4.211	1.2	1.075	0.0	0.000	5.9	5.28
				WB	S Totals:	11,081.170		520.813	_	132.974	_	0.000	_	653.79

- Subcontract Unit Price the "value" of the work as compared to the contract unit price bid for the project
- All subcontracts that involve a line item must be less than or equal to contract unit bid price
  - For example if you bid \$1 / ton for asphalt.
     You cant subcontract out more than \$1 to all subs.
  - This may result in a subs value being less than what you are actually paying them
- DBE Unit Price can be more or less than Subcontract Unit Price.

WBS Element:			T.I.P. N	lo.:			,	County:			
APPROVAL I	S REQUESTED TO SUBLET THE FOLLO	WING I	TEMS (	OF WORK	ON THIS PRO	JECT	TO:				
								Retainage	Certification	Reporti	ng No.
Subcontractor Na	ame and Address						,	Retainage	Certification	Donortio	an No
									Ceruncation	Reporti	ig No.
2 <sup>nd</sup> Tier-1 Subcor	stractor Name and Address										
Line Code Number	Item Description	Portion (•)	Partial (+)	Sub or 2nd Tier	Quantity	UOM	CP *	DBE/MBE/WBE Unit Price	DBE/MBE/WBE Sublet Amount	Subcontract Unit Price	Total Subcontract Amount
											$\vdash$
Indicates a Po	rtion of Work (●)		Indicat	es a Parti	al Item (♦)		DBE/N	MBE/WBE Amount		Subcontract Amt.	
	ACT CERTIFICATION (applies only to Feder										
The Contracto	r / Subcontractor certifies that the subcontract	is in wr	iting an	d that FH	WA 1273, "Requi	ired C	ontrac	t Provisions," and	Title VI and		
	ation Assurances have been included in the su ACT CERTIFICATION (applies only to State)			tier subco	ontract in its entire	ety.					
The Contracto	r / Subcontractor certifies that the subcontract			d Title VI	and Nondiscrimin	nation	Assur	ances have been	included in the		
subcontract/2	nd tier subcontract in its entirety.										
Contractor:			Data			APPR	OVED:	:			
Signature: Title:		-	Date.			Reside	ent En	nineer			Date
Title.		-				rtesia	one En	giricoi			Date
Subcontractor.										tor will be responsible	
Signature:			Date,							rk in compliance with	
Title:		-				terms	or the	contract and that a	ii payments will be i	made to the Contract	or.
2 <sup>nd</sup> Tier						1					
Subcontractor.											
Signature:			Date								

- Changes Needed What do you do?
  - Proof that all parties are in agreement are needed. Initially changes is sufficient for minor changes.
- NCDOT requests a copy of the executed subcontract agreement
  - Minimum of 2 or 10% of the approved SAFs, whichever is greater
  - May request additional ones if additional information is needed

WBS Element:			T.I.P. N	No.:				County:			
APPROVAL I	S REQUESTED TO SUBLET THE FOLL	OWING I	TEMS (	OF WOR	ON THIS PRO	JECT	TO:				
								Retainage	Certification	Reporti	ng No.
Subcontractor Na	ame and Address										
								Retainage	Certification	Reporti	ng No.
2 <sup>nd</sup> Tier-1 Subcor	ntractor Name and Address							_			
Line Code Number	Item Description	Portion (•)	Partial (+)	Sub or 2nd Tier	Quantity	UOM	CP.	DBE/MBE/WBE Unit Price	DBE/MBE/WBE Sublet Amount	Subcontract Unit Price	Total Subcontract Amount
		_									
		_									
Indicatos a De	ortion of Work (●)		Indicat	oc a Dart	al Item (♦)		DDE/A	MBE/WBE Amount		Cubsontrast Amt	
indicates a Po	ition of work (*)		indicat	es a Pall	antem(▼)		DBE/N	MBE/WBE AMOUNT		Subcontract Amt.	
SUBCONTRA	ACT CERTIFICATION (applies only to Fed	deral proje	cts)								
	r / Subcontractor certifies that the subcontra			d that FH	WA 1273, "Requ	ired C	ontrac	t Provisions," and	Title VI and		
	ation Assurances have been included in the			tier subco	ontract in its entire	ety.					
	ACT CERTIFICATION (applies only to Sta										
The Contracto	or / Subcontractor certifies that the subcontra of tier subcontract in its entirety.	act is in wi	riting ar	id Title VI	and Nondiscrimit	nation	Assur	ances have been	included in the		
Contractor:	tier subcontract in its entirety.					APPR	OVED				
Signature:			Date			A I I	0120.	•			
Title:						Resid	ent En	gineer			Date
Subcontractor:		_								tor will be responsible	
Signature:		_	Date							rk in compliance with	
Title:		_				terms	of the	contract and that a	ii payments will be i	made to the Contract	or.
2 <sup>nd</sup> Tier						1					
Subcontractor.											
Signature:			Date								
						i					

- Portion Performing all of the work associated with a line item but not the entire contract quantity.
- Quantity Based



- Partial Performing a part of the total scope of work associated with a line item.
- Scope Based



- New Form Updated 04/19
- SAF requires certification that the <u>FHWA 1273 and Title VI language</u> have been <u>PHYSICALLY incorporated</u> into Federal Contracts at all tier levels
- SAF requires certification that the <u>Title</u>
   <u>VI language</u> has been <u>PHYSICALLY</u>
   <u>incorporated</u> into State Contracts at all tier levels
- Must be submitted within 30 days after the date of availability or 20 % of contract time, whichever is greater

WBS Element:			T.I.P. N	No.:				County:			
APPROVAL I	S REQUESTED TO SUBLET THE FOLLO	WING I	TEMS (	OF WOR	K ON THIS PRO	JECT	TO:				
								Retainage	Certification	Reporti	ng No.
Subcontractor Na	me and Address							П			
								Retainage	Certification	Reporti	ng No.
2 <sup>nd</sup> Tier-1 Subcon	tractor Name and Address							Ш			
Una Cada		Destina	Destin	Sub			on	DDEANDEANDE	DDEANDEANDE	Coloratoral	Total Cubanatural
Line Code Number	Item Description	(•)	Partial (•)	or 2nd Tier	Quantity	UOM	CP.	DBE/MBE/WBE Unit Price	DBE/MBE/WBE Sublet Amount	Subcontract Unit Price	Total Subcontract Amount
		+-									
		_									
		_									
		+									
		_									
Indicates a Po	rtion of Work (●)		Indicat	es a Parti	ial Item (♦)		DBE/N	MBE/WBE Amount		Subcontract Amt.	
SUBCONTRA	ACT CERTIFICATION (applies only to Fede	ral nroje	rte)								
The Contracto	/ Subcontractor certifies that the subcontra	ct is in w	iting ar	nd that FH	WA 1273. "Regu	ired C	ontrac	t Provisions." and	Title VI and		
Nondiscrimina	tion Assurances have been included in the s	ubcontra	ct / 2nd								
	ACT CERTIFICATION (applies only to State										
	// Subcontractor certifies that the subcontra	ct is in w	riting ar	nd Title VI	and Nondiscrimit	nation i	Assur	ances have been	included in the		
Contractor:	tier subcontract in its entirety.					APPR	OVED				
Signature:		_	Date			AFFR	OVED				
Title:		_	Duito			Reside	ent En	gineer			Date
Subcontractor						Appro	awad w	ith the understandi	og that the Contrac	tor will be responsible	o for the
Signature:		_	Date							rk in compliance with	
Title:			Duito							made to the Contract	
2 <sup>nd</sup> Tier						1					
Subcontractor:											
Signature:		<del>-</del>	Date			ļ					

- Must be submitted and approved by NCDOT prior to the subcontractor beginning work
- All Subcontractors must be <u>PREQUALIFIED</u> to perform work on NCDOT projects
- Upcoming WEBINAR for Contractors in April 2020

WBS Element:			T.I.P. N	lo.:				County:			,
APPROVAL I	S REQUESTED TO SUBLET THE FOLLO	WING I	TEMS (	OF WOR	K ON THIS PRO	JECT	то:				
								Retainage	Certification	Reporti	ng No.
Subcontractor Na	me and Address										
								Retainage	Certification	Reportii	ng No.
2 <sup>nd</sup> Tier-1 Subcon	tractor Name and Address										
Line Code Number	Item Description	Portion (•)	Partial (+)	Sub or 2nd Tier	Quantity	UOM	CP *	DBE/MBE/WBE Unit Price	DBE/MBE/WBE Sublet Amount	Subcontract Unit Price	Total Subcontract Amount
		_									
Indicates a Do	rtion of Work (●)		Indicat	ac a Dart	ial Item ( ♦ )		DDE/A	MBE/WBE Amount		Subcontract Amt.	
illuicates a Fo	ition of work (•)		murcai	es a rait	iantem (*)		DBE/II	MBE/WBE AMOUNT		Subcontract Amt.	
SUBCONTRA	ACT CERTIFICATION (applies only to Feder	al proje	cts)								
	r / Subcontractor certifies that the subcontract						ontrac	t Provisions," and	Title VI and		
	tion Assurances have been included in the su			tier subc	ontract in its entire	ty.					
	ACT CERTIFICATION (applies only to State										
	r / Subcontractor certifies that the subcontract	is in w	iting ar	d Title VI	and Nondiscrimin	ation	Assur	ances have been	included in the		
Contractor:	nd tier subcontract in its entirety.					ADDD	OVED				
Signature:		-	Date			AFFR	OVED.	•			
Title:		-	Duic			Resid	ent En	gineer			Date
								g			
Subcontractor:						Appro	oved w	ith the understandir	ng that the Contrac	tor will be responsible	e for the
Signature:			Date							rk in compliance with	
Title:		-				terms	of the	contract and that a	I payments will be r	made to the Contract	or.
2 <sup>nd</sup> Tier											
Subcontractor:											
Signature:			Date								

### **Certified Payrolls**

- Payroll must be reviewed and submitted to RE Office on a weekly basis
- Payroll is subject to audits by the State Auditor's office, FHWA, and internal NCDOT audits.
- Payrolls are reviewed by RE staff to ensure that the payroll is in compliance with wage rate decisions and NCDOT records.
- Subcontractor payrolls should be submitted through the prime contractor.
- NCDOT is continuing to work on a process for electronic payrolls.
- Needed for all subcontractors performing work. Exceptions: Professional Services (surveying) and Hauling (when performed off site at a commercial site)

### Davis Bacon Requirements

- Laborers and Mechanics (i.e. Equipment Operators) employed directly upon the <u>site of work</u> must be paid the prevailing wages in the contract
- Superintendent/Foreman Must show prevailing wage rate if <u>20</u>
   <u>percent</u> of time is spent performing duties as laborer or mechanic
- Temporary Employees Must Show on Contractor or Staffing Agency Payroll
- Bona Fide Trainees Provide documentation of enrollment in OJT Program
- Employees must be classified according to <u>work performed</u> on specific project
- Fringe Benefits Deductions that cannot be required by Law (eg Health/Life Insurance, Retirement Plans, Vehicle Allowance, etc.)

### **EMPLOYEE RIGHTS**

**UNDER THE DAVIS-BACON ACT** 

# FOR LABORERS AND MECHANICS EMPLOYED ON FEDERAL OR FEDERALLY ASSISTED CONSTRUCTION PROJECTS

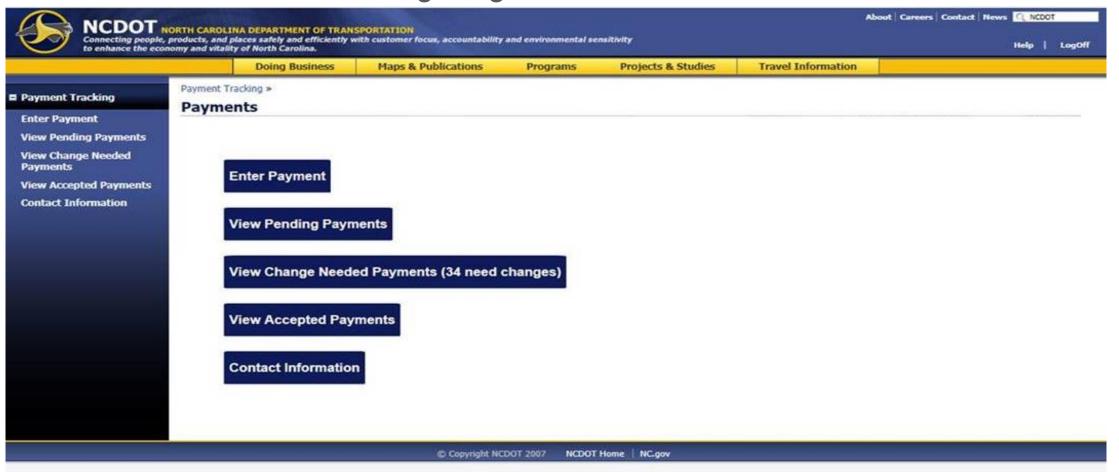
PREVAILING WAGES	You must be paid not less than the wage rate listed in the Davis-Bacon Wage Decision posted with this Notice for the work you perform.
OVERTIME	You must be paid not less than one and one-half times your basic rate of pay for all hours worked over 40 in a work week. There are few exceptions.
ENFORCEMENT	Contract payments can be withheld to ensure workers receive wages and overtime pay due, and liquidated damages may apply if overtime pay requirements are not met. Davis-Bacon contract clauses allow contract termination and debarment of contractors from fruture federal contracts for up to three years. A contractor who falsifies certified payroll records or induces wage kickbacks may be subject to civil or oriminal prosecution, fines and/or imprisonment.
APPRENTICES	Apprentice rates apply only to apprentices properly registered under approved Federal or State apprenticeship programs.
PROPER PAY	If you do not receive proper pay, or require further information on the applicable wages, contact the Contracting Officer listed below:
	or contact the U.S. Department of Labor's Wage and Hour Division.

### **Problems With Payrolls**



### **Subcontractor Payment Tracking – \*\*NEW\*\***

New Landing Page for Prime Contractors



### **Subcontractor Payment Tracking**

- Prime Contractor must enter payments monthly for all DBE Firms, regardless if they are committed or not (Optional for Non-DBE Firms)
- Prime Contractor is the only one authorized to enter payments for the project
- No CUF ≠ No DBE Participation Credit towards the Overall DBE Contract Goal
- Capture Payments to 2<sup>nd</sup> Tier DBE Firms— Need Documentation from 1<sup>st</sup> Tier Non-DBE Subcontractors to enter payments for 2<sup>nd</sup> Tier DBE Firms
- DBE Suppliers/Manufacturers Must Submit Copy of DBE Invoice with prices to Verify for CUF Assessment (60% of Supplier Invoice)
- Monitor DBE payment entries to ensure contract committed line items (Quantities & Unit Prices) are met – not just the overall subcontract amount
- Meeting DBE Goals is a Contractual Requirement and Committed DBE Firms (listed in the back of the contract) must be utilized on the project

### Joint Check Agreement Form

- Updated NCDOT Joint Check Agreement Form -Revision Date: January 2019
- Purpose: To Assist with Establishing / Increasing Credit Line with Suppliers
- NCDOT Joint Check Agreement Form must be used for DBE Firms
- Prime cannot substitute its own Joint Check Agreement Form for DBE Firms



JOINT CHECK NOTIFICATION FORM (FOR DBE/MBE/WBE FIRMS ONLY)

CONTRACT/PROJECT NUMBER:	NAME OF PRIME CONTRACTOR:
Name of Subcontractor	
Name of Material Supplier	
Items of work	
Comments	
Who requested joint check utilization?Pri	meSubSupplier
Why?	

NCDOT will closely monitor the use of joint checks, and this practice will be subject to review by the Office of Civil Rights. To receive DBE/MBE/WBE credit for performing a commercially useful function with respect to obtaining materials and supplies, a DBE/MBE/WBE must "be responsible for negotiating price, determining quality and quantity, ordering the material and installing (where applicable) and paying for the material itself." Only when a DBE/MBE/WBE meets all requirements should credit be counted for the procurement of items by the DBE/MBE/WBE.

Please read the attached Joint Check Procedures. If the proper procedures are not followed or the department determines that the arrangements results in a lack of independence for the DBE involved, no credit for the DBEs participation as it relates to the material cost will be used toward the contract goal requirement and the prime will need to make up the difference elsewhere on the project.

I have read and understand the above information and the attached Joint Check Procedures. I hereby acknowledge that the information provided on this form is true and accurate.

Signature	Title	Date
Authorized Material Supp	olier Representative:	
Signature	Title	Date
Authorized Prime Contra	ctor Representative:	
Signature	Title	Date
Received:		

CC: State Construction Engineer State Contractor Utilization Engineer

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### Joint Check Agreement Form

- Credit for MATERIALS towards DBE Goal only when DBE is performing a CUF
- DBE performs a CUF (Commercially Useful Function) when it <u>negotiates prices</u>, <u>determines</u> <u>quality & quantities</u>, <u>orders the material</u>, <u>installs</u> <u>material</u> & <u>pays for the material itself</u>
- Prime Contractor acts solely as the <u>guarantor</u> to the suppliers for payment
- Joint Check issued by Prime must be <u>delivered</u> to the <u>DBE</u> to pay suppliers



JOINT CHECK NOTIFICATION FORM (FOR DBE/MBE/WBE FIRMS ONLY)

CONTRACT/PROJECT NUMBER:	NAME OF PRIME CONTRACTOR:
Name of Subcontractor	
Name of Material Supplier	
Items of work	
Comments	
Who requested joint check utilization? Pri	meSubSupplier
Why?	

### Information

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I have read and understand the above information and the attached Joint Check Procedures. I hereby acknowledge that the information provided on this form is true and accurate.

Signature	Title	Date
Authorized Material Sup	plier Representative:	
Signature	Title	Date
Authorized Prime Contra	actor Representative:	
Signature	Title	Date
Received:		
NCDOT Contract Admini	strator	Date
	al transactions attached?	
Comments		

CC: State Construction Engineer State Contractor Utilization Engineer

### FHWA 1391 Form – Annual EEO Report

- Required for both prime and subcontractors w/contracts that equal or exceed \$10,000
- Applies to ACTIVE Federally funded contracts only
- ACTIVE Projects: Use Final Acceptance Date. Project is still considered active if you have accepted ICT#1 – all work except for vegetation
- Report the last <u>FULL Pay Week</u> worked on a NCDOT project in July
- Reporting week(s) for all contractors may be between <u>July 1-31</u>
- Form is required even if the project and/or contract is **Payroll Exempt**
- "No ACTIVITY" Active but No Work Performed between July 1-31
- All employees working on federal-aid projects must be accounted for
- Trainees listed must be in a recognized and approved NCDOT program
- Reports Due to Resident Engineer's Office in mid-August
- SharePoint Updates: CU is Working with NCDIT to Streamline this Process

# FHWA-1391 Form (Annual EEO Report)

	F	EDEF	RAL-AII	D HI	GHW	AY CC	ONSTI	RUCT	ION C	ONTR	ACT	ORS	ANNU	JAL E	EO	REP	ORT					
1. MARK APPROPRIATE Contractor Subcontractor	BLOCK		2. C BA Contr ardhat, l	acto		AME,	CITY, S	TATE:			ROJEC BER: 1210			4	(	LAR CONT 5,000	RAC	T:	5. PROJECT LOCATION: Wake County, NC			
This collection of informatio	n is requi	ired by	law and	l regu	ulation	23 U.S	.C. 140	CFR F	Part 230	. The (	OMB o	ontro	ol numb	er for t	this c	ollect	ion is	2125	-0019 exp			
6. WORKE	DRCE ON	FEDE	RAL-AID	ANE	CONS	TRUC	TION S	ITE(S)	DURING	G LAST	FULI	L PAY	PERIO	D END	DING	N JUI	LY 28	(IN	ISERT YE	AR)		
						TAF	BLE A													TABLE	В	
JOB CATEGORIES	TOT EMPL	TAL OYED	TOTA RACIA ETHIN MINOR	AL/ IIC	AFR	CK or ICAN RICAN	HISP	ANIC R TINO	INDIA	SKA	AS	IAN	NAT HAWA OR O' PAC ISLAM	AIIAN THER IFIC	MC	VO OR ORE CES	WH	HITE	APPREI	NTICES	J	THE OB INEES
	M	F	М	F	М	F	М	F	М	F	М	F	М	F	М	F	М	F	M	F	M	F
OFFICIALS																						
SUPERVISORS																						
FOREMAN/WOMEN																						
CLERICAL				1																		
EQUIPMENT OPERATORS	25	14	5	3	2	1	1	1	1	1	1						20	11			6	2
MECHANICS																						
TRUCK DRIVERS	4		2		1		1										2					
IRONWORKERS				$\top$						1												
CARPENTERS																						
CEMENT MASONS																						
ELECTRICIANS PIPEFITTER/PLUMBERS	White =Total																-(		Broken race in	down t		$\sum$
PAINTERS	-10tai	шр	loyeu							1											_	
LABORERS-SEMI-SKILLED	$\rightarrow$	_		$\perp$																	\	
LABORERS-UNSKILLED		<u> </u>				_					_										7	
TOTAL	29	14	7	3	3	1	2	1	1	1	1						22	11			6	2
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APPRENTICES																						
OJT TRAINEES	6	2	3	1	1			1	1		1						3	1				
8. PREPARED BY: (Signature and Title of Contract	ctors Repr	esentat	ive)	-			9. DA			(Sign	ature	and T	BY:		ghwa	y Offi	cial)			<u>'</u>	11. D	
John Doe, President							08/05	5/11		Jane!	DOE, R	eside	nt Engí	neer							08/08	711

### FHWA-1391 Form (Annual EEO Report)

FEDERAL-AID HIGHWAY CONSTRUCTION CONTRACTORS ANNUAL EEO REPORT																				
1. MARK APPROPRIATE BLOCK    Companies   Companies				, Inc.					3. PROJECT NUMBER: C210211				4.	DOLLAR CONT \$5,000	)F	5. PROJECT LOCATION:				
Pubeonitactor Planting, No 2000						0210211									Wake County, NC					
This collection of information is required by law and regulation 23 U.S.C. 140 CFR Part 230. The OMB control number for this collection is 2125-0019 expiring in March, 2016									<mark>2016</mark> .											
6. WORKFORCE ON FEDERAL-AID AND CONSTRUCTION SITE(S) DURING LAST FULL PAY PERIOD ENDING IN JULY 20 (INSERT YEAR)																				
TABLE A TABLE										ЕВ										
JOB CATEGORIES	TOT EMPL		TOTA RACIA ETHN MINOR	AL/ IIC	AFR	CK or ICAN RICAN	C	ANIC R INO	INDIA ALA	RICAN AN OR SKA TIVE	ASI	AN	NAT HAW OR O PAC ISLAN	AIIAN THER IFIC	TWO OR MORE RACES	WHITE	APP	RENTICES	ON THE JOB TRAINEES	
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M F	M F	NA.	\ F_	M	F
OFFICIALS																		\		
SUPERVISORS																				
FOREMAN/WOMEN																		\		
CLERICAL																		_		
EQUIPMENT OPERATORS																7				
MECHANICS													_	-	$\mathbf{T}$	$H(\mathbf{I},\mathbf{J})$		_		
TRUCK DRIVERS		$\Box$										T	TC	ıĸ				_		
IRONWORKERS		$\Box$						_	7 1	ηŢ	`. K	ζ,		, .				/-		
CARPENTERS		-1				- 7 4	<b>~1</b>	21										_		
CEMENT MASONS			NO WORK PERFORMED																	
ELECTRICIANS		L_ \		U	, ,	•														
PIPEFITTER/PLUMBERS		\\	17.											$\overline{}$						
PAINTERS			Λ								$\overline{}$									
LABORERS-SEMI-SKILLED			Λ						T											
LABORERS-UNSKILLED			$\sqcap$																	
TOTAL			7	$\prod$		1	l l						1				ì			
TABLE C (Table B data by racial status)																				
APPRENTICES																				
OJT TRAINEES																				
8. PREPARED BY: (Signature and Title of Contractors Representative)  John Doe, President				9. DATE: 08/05/11			10. REVIEWED BY: (Signature and Title of State Highway Official) Jane Doe, Resident Engineer								11. D.					

### Title VI Posters and Contract Language

- Post NCDOT's Notice of Nondiscrimination and Contractors' own Equal Employment (EEO) Policy on all jobsite and field office boards for <u>FEDERAL-AID</u> and <u>STATE-FUNDED</u> projects
- <u>STATE-FUNDED Projects</u>: Physically <u>incorporate</u> (not attach) the Title VI and Nondiscrimination Assurances into all tier level subcontracts
- FEDERAL-AID Projects: Physically <u>incorporate</u> (not attach) the Title VI and Nondiscrimination Assurances <u>AND</u> the FHWA-1273 "Required Contract Provisions", in its entirety, into all tier level subcontracts

### TITLE VLAND NONDISCRIMINATION

The provisions of this section related to United States Department of Transportation (US DOT) Order 1050.2A, Title 49 Code of Federal Regulations (CFR) part 21, 23 United States Code (U.S.C.) 140 and 23 CFR part 200 (or 49 CFR 303, 49 U.S.C. 5332 or 49 U.S.C. 47123) are applicable to all North Carolina Department of Transportation (NCDOT) contracts and to all related subcontracts, material supply, engineering, architectural and other service contracts, regardless of dollar amount. Any Federal provision that is specifically required not specifically set forth is hereby incorporated by reference.

### NCDOT Title VI Assurance (1050.2A, Appendices A & E)

- During the performance of this contract, the contractor, for itself, its assignees, and successors in interest (hereinafter referred to as the "contractor") agrees as follows:
- (1) Compliance with Regulations: The contractor (hereinafter includes consultants) will comply with the Acts and the Regulations relative to Nondiscrimination in Federally-assisted programs of the U.S. Department of Transportation, Federal Highway Administration (FHWA), as they may be amended from time to time, which are herein incorporated by reference and made a part of this contract.
- (2) Nondiscrimination: The contractor, with regard to the work performed by it during the contract, will not discriminate on the grounds of frace, color, or national origin in the selection and retention of subcontractors, including procurements of materials and leases of equipment. The contractor will not participate directly or indirectly in the discrimination prohibited by the Acts and the Regulations, including employment practices when the contract covers any activity, project, or program set forth in Appendix B of 49 CFR Part 21.
- (3) Solicitations for Subcontractors, Including Procurements of Materials and Equipment: In all solicitations, either by competitive bidding, or negotiation made by the contractor for work to be performed under a subcontract, including procurements of materials, or least of equipment, each potential subcontractor or supplier will be notified by the contractor of the contractor's obligations under this contract and the Acts and the Regulations relative to Nondiscrimination on the grounds of race, color, or national origin.
- (4) Information and Reports: The contractor will provide all information and reports required by the Acts, the Regulations, and directives issued pursuant thereto and will permit access to its books, records, accounts, other sources of information, and its facilities as may be determined by the Recipient or the FHWA to be pertinent to ascertain compliance with such Acts, Regulations, and instructions. Where any information required of a contractor is in the exclusive possession of another who fails or refuses to furnish the information, the contractor will so certify to the Recipient or the FHWA, as appropriate, and will set forth what efforts it has made to obtain the information.
- (5) Sanctions for Noncompliance: In the event of a contractor's noncompliance with the Non-discrimination provisions of this contract, the Recipient will impose such contract sanctions as it or the FHWA may determine to be appropriate, including, but not limited to:
- (a) withholding payments to the contractor under the contract until the contractor complies; and/or
- (b) cancelling, terminating, or suspending a contract, in whole or in part.
- (6) Incorporation of Provisions: The contractor will include the provisions of paragraphs one through six in

every subcontract, including procurements of materials and leases of equipment, unless exempt by the Acts, the Regulations and directives issued pursuant thereto. The contractor will take action with respect to any subcontract or procurement as the Recipient or the FHWA may direct as a means of enforcing such provisions including sanctions for noncompliance. Provided, that if the contractor becomes involved in, or is threatened with litigation by a subcontractor, or supplier because of such direction, the contractor may request the Recipient to enter into any litigation to protect the interests of the Recipient in addition, the contractor may request the United States to enter into the litigation to protect the interests of the United States to enter into the litigation to protect the interests of the United States to

ii. During the performance of this contract, the contractor, for itself, its assignees, and successors in interest (hereinafter referred to as the "contractor") agrees to comply with the following nondiscrimination statutes and authorities; including but not limited to:

### Pertinent Nondiscrimination Authorities

- Title VI of the Civil Rights Act of 1964 (42 U.S.C. § 2000d et seq., 78 stat. 252), (prohibits discrimination on the basis of race, color, national origin); and 49 CFR Part 21.
- The Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970, (42 U.S.C. § 4801), (prohibits unfair treatment of persons displaced or whose property has been acquired because of Federal or Federal-aid programs and projects);
- Federal-Aid Highway Act of 1973, (23 U.S.C. § 324 et seg.), (prohibits discrimination on the basis of sex);
- Section 504 of the Rehabilitation Act of 1973, (29 U.S.C. § 794 et seq.), as amended, (prohibits discrimination on the basis of disability); and 49 CFR Part 27;
- The Age Discrimination Act of 1975, as amended, (42 U.S.C. § 6101 et seq.), (prohibits discrimination on the basis of age);
- Airport and Airway Improvement Act of 1982, (49 USC § 471, Section 47123), as amended, (prohibits discrimination based on race, creed, color, national origin, or sex);
- The Civil Rights Restoration Act of 1987. (Pt. 100-209). (Broadened the scope, coverage and applicability of tile VI of the Civil Rights Act of 1984. The Age Discrimination Act of 1975 and Section 504 of the Rehabilitation Act of 1975, by expanding the definition of the terms "programs or activities" to include all of the programs or activities to include all of the programs or activities of the Federal-aid recipients, sub-recipients and contractors, whether such programs or activities are Federally funded or not):
- Titles II and III of the Americans with Disabilities Act, which prohibit discrimination on the basis of disability in the operation of public entities, public and private transportation systems, places of public accommodation, and certain testing entities (42 U.S.C. §§ 12131-12189) as implemented by Department of Transportation regulations at 49 C.F.R. parts 37 and 38;
- The Federal Aviation Administration's Nondiscrimination statute (49 U.S.C. § 47123) (prohibits discrimination on the basis of race, color, national origin, and sex);
- Executive Order 12808, Federal Actions to Address Environmental Justice in Minority Populations and Low Income Populations, which ensures Nondiscrimination against minority oppulations by discouraging programs, policies, and activities with disproportionately high and adverse human health or environmental effects on minority and low-income populations;
- Executive Order 13166, Improving Access to Services for Persons with Limited English Proficiency, and

### Title VI Posters and Contract Language

- Include NCDOT's nondiscrimination language for solicitations in request for bids and all other advertisements
- REs must complete CHECKLIST to verify that requirements have been met

### Required Solicitation Language

The Contractor will include the following notification in all solicitations for bids and requests for work or material, regardless of funding source:

"The North Carolina Department of Transportation, in accordance with the provisions of Title VI of the Civil Rights Act of 1964 (78 Stat. 252, 42 US.C. §§ 2000d to 2000d-4) and the Regulations, hereby notifies all bidders that it will affirmatively ensure that any contract entered into pursuant to this advertisement, disadvantaged business enterprises will be afforded full and fair opportunity to submit bids in response to this invitation and will not be discriminated against on the grounds of race, color, or national origin in consideration for an award. In accordance with other related nondiscrimination authorities, bidders and contractors will also not be discriminated against on the grounds of sex, age, disability, low-income level, creed/religion, or limited English proficiency in consideration for an award."

# Title VI Poster (Notice of Nondiscrimination)



### STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

ROY COOPER GOVERNOR

JAMES H. TROGDON, III

### NOTICE OF NONDISCRIMINATION AND ACCESSIBILITY RIGHTS

In accordance with Title VI of the Civil Rights Act of 1964 and other nondiscrimination authorities, the North Carolina Department of Transportation (NCDOT) will not exclude from participation in, deny the benefits of, or subject to discrimination any person, based on race, color, national origin, Limited English Proficiency, income-level, sex, age, or disability (or religion, where applicable), under any NCDOT-funded programs or activities.

If you feel you have been discriminated against by NCDOT or its business partners, you may file a complaint. For information on filing a complaint or NCDOT's nondiscrimination obligations, please contact:

> NCDOT Office of Civil Rights Title VI Nondiscrimination Program 1511 Mail Service Center Raleigh, NC 27699 1-800-522-0453 TitleVI@ncdot.gov

You may also visit https://www.ncdot.gov/programs/titleVI/

Anyone with a hearing or speech impairment may contact Relay NC by dialing 711 or 1-877-735-8200.

ATTENTION: If you speak a language other than English, qualified interpreters or information written in other languages are available, free of charge, by calling 1-800-481-6494.

ATENCIÓN: si usted habla otro idioma que no sea inglés, puede solicitar, sin costo, los servicios de intérpretes calificados o información escrita en otros idiomas llamando al 1-800-481-6494.

Mailing Address: NC DEPARTMENT OF TRANSPORTATION

Fax: (919) 508-1814 / (919) 508-1818 Customer Service: 1-877-368-4968

104 FAYETTEVILLE STREET RALEIGH, NORTH CAROLINA 27601

### ESTADO DE CAROLINA DEL NORTE DEPARTMENTO DE TRANSPORTE

ROY COOPER GOBERNADOR

JAMES H. TROGDON, III

### NOTIFICACIÓN ANTIDISCRIMINATORIA Y DERECHOS DE ACCESIBILIDAD

En cumplimiento con el Título VI del Acta de los Derechos Civiles de 1964 y otras autoridades antidiscriminatorias, el Departamento de Transporte de Carolina del Norte (NCDOT) no excluirá de participar, negará beneficios o discriminará a ninguna persona con base en su raza, color, origen nacional, limitación para hablar o entender inglés, nivel de ingresos, sexo, edad o discapacidad (o su religión, cuando así aplique), de cualquier programa o actividad financiada por el NCDOT.

Si usted siente que ha sido discriminado por el NCDOT o sus proveedores, puede presentar una queja. Para obtener información sobre cómo presentar una queja o sobre las obligaciones antidiscriminatorias del NCDOT, favor de contactar a la:

> Oficina de Derechos Civiles del NCDOT Programa Antidiscriminatorio del Título VI 1511 Mail Service Center Raleigh, NC 27699 1-800-522-0453 TitleVI@ncdot.gov

También puede visitar https://www.ncdot.gov/programs/titleVI/

Cualquier persona con un impedimento auditivo o del habla puede contactar al servicio Relay NC marcando 711 o 1-877-735-8200

ATENCIÓN: si usted habla otro idioma que no sea inglés, puede solicitar, sin costo, los servicios de intérpretes calificados o información escrita en otros idiomas llamando al 1-800-481-6494.

NC DEPARTMENT OF TRANSPORTATION

Fax: (919) 508-1814 / (919) 508-1818

104 FAYETTEVILLE STREET

### **FHWA 1273 Contract Provisions**

FHWA-1273 -- Revised May 1, 2012

### REQUIRED CONTRACT PROVISIONS FEDERAL-AID CONSTRUCTION CONTRACTS

- General
- Nondiscrimination
- II. Nonsegregated Facilities
- IV. Davis-Bacon and Related Act Provisions
- Contract Work Hours and Safety Standards Act
   Provisions
- VI. Subletting or Assigning the Contract
- /II Safety: Accident Prevention
- VIII. False Statements Concerning Highway Projects
- Implementation of Clean Air Act and Federal Water Pollution Control Act
- Compliance with Governmentwide Suspension and Debarment Requirements
- Certification Regarding Use of Contract Funds for Lobbying

### ATTACHMENTS

A. Employment and Materials Preference for Appalachian
 Development Highway System or Appalachian Local Access
 Road Contracts (included in Appalachian contracts only)

### I. GENERAL

 Form FHWA-1273 must be physically incorporated in each construction contract funded under Title 23 (excluding emergency contracts solely intended for debirs emoval). The contractor (or subcontractor) must insert this form in each subcontract and further require its inclusion in all lower fier subcontracts (excluding purchase orders, rental agreements and other agreements for supplies or services).

The applicable requirements of Form FHWA-1273 are incorporated by reference for work done under any purchase order, rental agreement or agreement for other services. The prime contractor shall be responsible for compliance by any subcontractor, lower-lier subcontractor or service provider.

Form FHWA-1273 must be included in all Federal-aid designbuild contracts, in all subcontracts and in lower tier subcontracts (excluding subcontracts for design services, purchase orders, rental agreements and other agreements for supplies or services). The design-builder shall be responsible for compliance by any subcontractor, lower-tier subcontractor or service provider.

Contracting agencies may reference Form FHWA-1273 in bid proposal or request for proposal documents, however, the Form FHWA-1273 must be physically incorporated (not referenced) in all contracts, subcontracts and lower-tier subcontracts (excluding purchase orders, rental agreements and other agreements for supplies or services related to a construction contract).

Subject to the applicability criteria noted in the following sections, these contract provisions shall apply to all work performed on the contract by the contractor's own organization and with the assistance of workers under the contractor's immediate superintendence and to all work performed on the contract by piecework, station work, or by subcontract

- 3. A breach of any of the stipulations contained in these Required Contract Provisions may be sufficient grounds for withholding of progress payments, withholding of final payment, termination of the contract, suspension / debarment or any other action determined to be appropriate by the contracting agency and FHWA.
- 4. Selection of Labor: During the performance of this contract, the contractor shall not use convict labor for any purpose within the limits of a construction project on a Federal-aid highway unless it is labor performed by convicts who are on parole, supervised release, or probation. The term Federal-aid highway does not include roadways functionally classified as local roads or rural minor collections.

### II. NONDISCRIMINATION

The provisions of this section related to 23 CFR Part 230 are applicable to all Federal-aid construction contracts and to all related construction subcontracts of \$10,000 or more. The provisions of 23 CFR Part 230 are not applicable to material supply, engineering, or architectural service contracts.

In addition, the contractor and all subcontractors must comply with the following policies: Executive Order 11246, 41 CFR 60, 29 CFR 1625-1627, Title 23 USC Section 140, the Rehabilitation Act of 1973, as amended (29 USC 794), Title VI of the Civil Flights Act of 1964, as amended, and related regulations including 49 CFR Parts 21, 26 and 27; and 23 CFR Parts 200, 230, and 633.

The contractor and all subcontractors must comply with: the requirements of the Equal Opportunity Clause in 41 CFR 60-1.4(b) and, for all construction contracts exceeding \$10,000, the Standard Federal Equal Employment Opportunity Construction Contract Specifications in 41 CFR 60-4.3.

Note: The U.S. Department of Labor has exclusive authority to determine compliance with Executive Order 11246 and the policies of the Secretary of Labor including 41 CFR 60, and 29 CFR 1625-1627. The contracting agency and the FHWA have the authority and the responsibility to ensure compliance with Title 23 USC Section 140, the Rehabilitation Act of 1973, as amended (29 USC 794), and Title VI of the Civil Rights Act of 1964, as amended, and related regulations including 49 CFR Parts 21, 26 and 27, and 23 CFR Parts 200, 230, and 633.

The following provision is adopted from 23 CFR 230, Appendix A, with appropriate revisions to conform to the U.S. Department of Labor (US DOL) and FHWA requirements.

1. Equal Employment Opportunity: Equal employment opportunity (EEO) requirements not to discriminate and to take affirmative action to assure equal opportunity as set forth under laws, executive orders, rules, regulations (28 CFR 35, 29 CFR 1630, 29 CFR 1625-1627, 41 CFR 60 and 49 CFR 27) and orders of the Secretary of Labor as modified by the provisions prescribed herein, and imposed pursuant to 23 U.S.C. 140 shall constitute the EEO and specific affirmative action standards for the contractor's project activities under

### FHWA 1273 and Title VI Requirements

### SUBCONTRACT CERTIFICATION (applies only to Federal projects)

The Contractor / Subcontractor certifies that the subcontract is in writing and that FHWA 1273, "Required Contract Provisions," and Title VI and Nondiscrimination Assurances have been included in the subcontract / 2<sup>nd</sup> tier subcontract in its entirety.

SUBCONTRACT CERTIFICATION (applies only to State projects)

The Contractor / Subcontractor certifies that the subcontract is in writing and Title VI and Nondiscrimination Assurances have been included in the subcontract/2<sup>nd</sup> tier subcontract in its entirety.

Contractor: APPROVED:

 When you sign SAF, you are attesting that FHWA 1273 (for federal projects) and Title VI and Nondiscrimination Assurances (for state and federal projects) have been incorporated into the language of the subcontract agreement

### NCDOT Title VI Compliance Checklist (RE Staff Only)

Subcontracts (Check	funding source)
	minimum of two (2) certified actual subcontracts to confirm the incorporation of
	ination language and FHWA 1273 as required.
	ntracts - requires the inclusion of the NCDOT's Title VI and Nondiscrimination ubcontract agreement.
	tracts - requires the inclusion of the FHWA 1273, and NCDOT's Title VI and on language in the subcontract agreement.
Name of Subcontractor:	
I have reviewed and confi	irm that all required documents are included in the subcontract agreement:
Signature:	Date:
Comments:	
Name of Subcontractor:	
Name of Subcontractor:	
have reviewed and conf	rm that all required documents are included in the subcontract agreement:
I have reviewed and confi Signature:	rm that all required documents are included in the subcontract agreement:
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I have reviewed and conf Signature:  Comments:  Name of Subcontractor: I have reviewed and conf Signature:  Comments:  Name of Subcontractor:	rm that all required documents are included in the subcontract agreement:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:

# **Closing Out Projects**





### **Closing Out Projects**

- Once the project is accepted, the RE should verify that all quantities have been calculated correctly and prepare the final estimate. This is double checked at the Division level for accuracy. Final Quantities letter will then be sent to the contractor
- Upon receipt of final quantities, the contractor can request a closeout conference if they have any monetary or time requests. When a closeout conference is requested, it should include a list of the topics so both parties are prepared to discuss.
- Documents needed to close a project out:
  - Affidavit from contractor advising that all obligations and debts arising from construction have been paid
  - Consent of Surety on the contract bonds (if bond was required)
  - Written notice that the contractor has no request for any extension in completion date or any adjustment in compensation or in lieu thereof written notice presenting all requests for adjustment of the final estimate (Final Claim Letter). An executed Closeout Conference Form serves as this document

# Closing Out Projects – How Long?

Category		Time to Close Out after notification
C Projects	143 days	141 days
D Projects	109 days	97 days

- Average time to Notify is the average number of days from date of acceptance to the date that the contractor is notified of final quantitiese
- Time to Close out after notification is the average number of days from the notification date to the date the final estimate was paid.

# Closing Out Projects – Why?

- The Department can shift remaining funds to other areas
- Contractors can receive any remaining money.
- Materials and Tests can certify projects FHWA can issue final voucher. Final Voucher is key date for records retention for all parties.



www.logos.co

### What can be done to streamline process?







### What can be done to streamline process?



- Work on verification of quantities before final acceptance. After acceptance of ICT#1 is recommended. Strive to complete final estimate assembly within allotted timeframes
- Communicate with contractor. Try to resolve any outstanding issues prior to final acceptance.
- Communicate with contractor to schedule Closeout Conference when needed.
- Discuss quantities at each monthly construction meeting. Verify that quantities are up to date.
- Stay on top of materials certification throughout life of the project.



- Don't wait for final acceptance to ensure subcontractors have been closed out. Verify quantities are correct and ensure that any retention is complete.
- Request Closeout Conference as soon as possible.
- Ensure that closeout documents are submitted in timely manner.
- Communicate with NCDOT. Try to resolve any outstanding issues prior to final acceptance.
- Discuss quantities at each monthly construction meeting. Verify that quantities are up to date.
- Ensure that materials certs are submitted throughout life of project

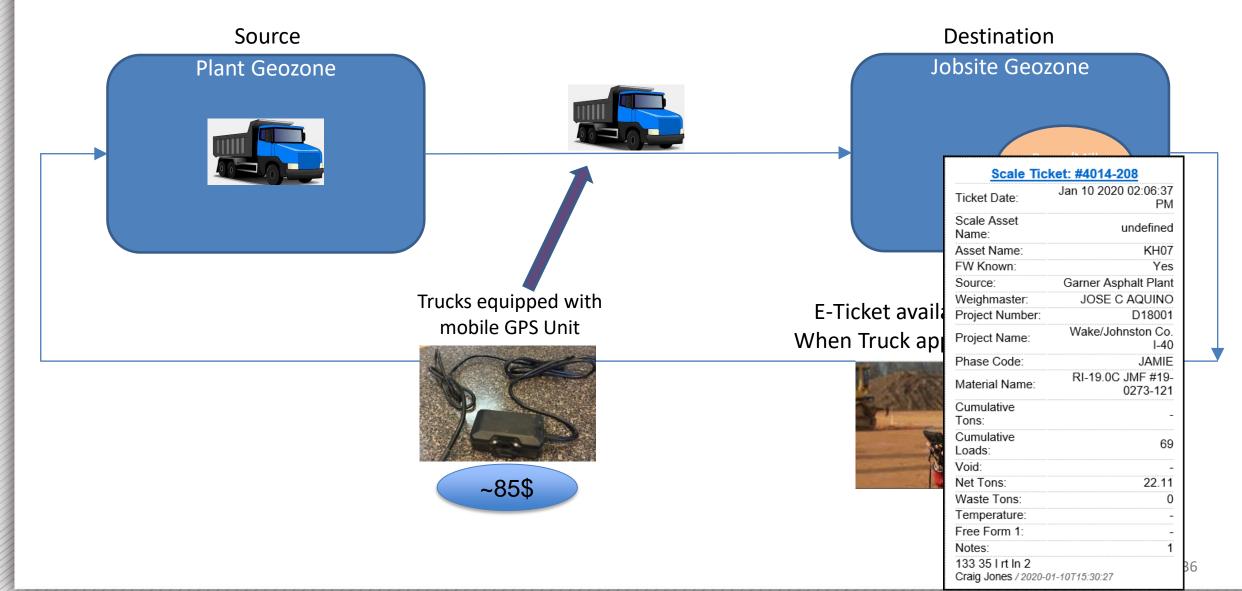
### **E-Ticketing**

- Benefits
  - SAFETY! Reduce Worksite Hazards
  - Eliminate Paper Tickets
  - No More Lost Tickets



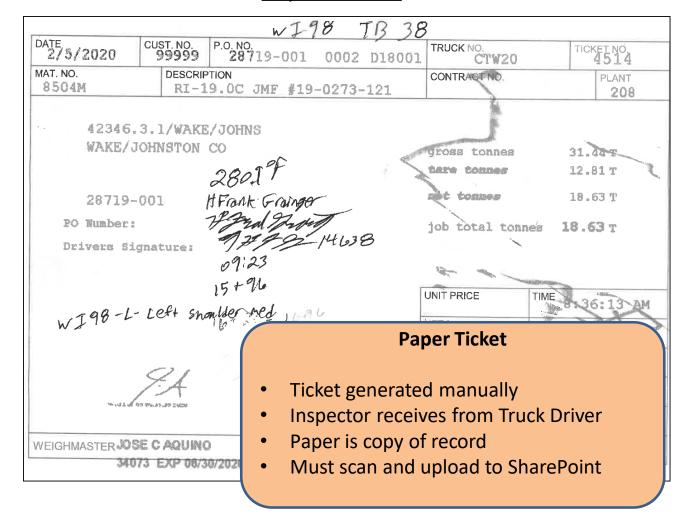
- Quickly Summarize Tickets for Payment
- Already being used by Contractors

### **E-Ticketing**



## **E-Ticketing**

#### **Physical Ticket**



#### E-Ticket

Scale Tic	ket: #4514-208
Ticket Date:	Feb 05 2020 08:36:13 AM
Scale Asset Name:	-
Asset Name:	CTW20
FW Known:	Yes
Source:	Garner Asphalt Plant
Weighmaster:	JOSE C AQUINO
Project Number:	D18001
Project Name:	Wake/Johnston Co. I- 40
Phase Code:	JAMIE
Material Name:	RI-19.0C JMF #19- 0273-121
Cumulative Tons:	-

#### **Electronic Ticket**

- Ticket generated electronically
- Ticket available to inspectors via website or iPad app
- Ticket acceptance, temperature, notes entered via iPad
- Daily totals automatically calculated
- Still need to upload to SharePoint

# E-Ticketing Pilot Project







I-5111 in Johnston/Wake Counties

**Asphalt Only** 

## **Summary Report**

Report Prepared by: Bryan Edwards

Project Name: Wake/Johnston Co. I-40Contractor: ST Wooten

Start Date and Time: 03/02/2020 00:00:00

Ticket#: 4650-208 Time: 08:02:31 End Date and Time: 03/02/2020 23:30:00

Ticket#: 4744-208 Time: 17:16:44

Material Name	Total Tons Batch	ed Total Tons Voided	Total Tons Wasted	Total Tons for Pa
RI-19.0C JMF #19-0273-121	386.93	0	0.0	386.93
RB-25.0C JMF # 19-0274-122	894.99	0	0.0	894.99
RS-9.5C JMF # 19-0271-121	11.03	0	0.0	11.03
Notes for Ticket#: 4650-208				
#4243 Frank Grainger	March 2, 2020, 8:55 a.m.			
08:37 WI97-L-RIGHT LN1 191+00 TB75				
Natura for Tiskatil 4054 000				
Notes for Ticket#: 4654-208				
#4244 Frank Grainger	March 2, 2020, 8:56 a.m.	4245 Frank Grainger March	2, 2020, 8:59 a.m.	
08:40 WI97-L-RTLN1 191+50		Previous Temperature: 297.1F, Updated Temperature: 296.4F, Updated By: ank.grainger@summitde.net User note: WRONGE TRUCK		
Notes for Ticket#: 4655-208				
#4246 Frank Grainger	March 2, 2020, 9 a.m.			
08:40 WI97-L-RTLN1 191+50				
Notes for Ticket#: 4657-208				
1000 101 1101101111				
#4247 Frank Grainger	March 2, 2020, 9:02 a.m.			
08:46 WI97-L-RTLN1 192+00				

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## **Ticket CSV Output**

1	Scale Ticket ID   1	T <u>icket Numb</u> er	Ticket Date	Project Name	Scale Asset Name	Material Name	Material Temperature	Material Temp Time	Load ID	<b>Qty Shipped Today</b>	Net Tons	Tare UST	Gross UST
2	2335035	4650-208	Mar 02 2020 08:02:31 AM	Wake/Johnston Co. I-40	PA2	RI-19.0C JMF #19-0273-121	296.4	3/2/2020 8:54	1	10.7	10.7	13.745	24.443
3	2335044	4654-208	Mar 02 2020 08:19:13 AM	Wake/Johnston Co. I-40	CTW20	RB-25.0C JMF # 19-0274-122	296.4	3/2/2020 8:59	1	20.13	20.13	14.11	34.243
4	2335045	4655-208	Mar 02 2020 08:22:02 AM	Wake/Johnston Co. I-40	RCB4	RB-25.0C JMF # 19-0274-122	297.1	3/2/2020 9:00	2	40.23	20.1	13.56	33.665
5	2335049	4657-208	Mar 02 2020 08:26:13 AM	Wake/Johnston Co. I-40	JMC3	RB-25.0C JMF # 19-0274-122	295.2	3/2/2020 9:01	3	60.36	20.13	13.606	33.735
6	2335052	4659-208	Mar 02 2020 08:28:34 AM	Wake/Johnston Co. I-40	JMC7	RB-25.0C JMF # 19-0274-122	294.1	3/2/2020 9:03	4	80.44	20.08	14.566	34.65
7	2335067	4663-208	Mar 02 2020 08:47:06 AM	Wake/Johnston Co. I-40	CTW20	RB-25.0C JMF # 19-0274-122	None	None	5	100.52	20.08	14.094	34.169
8	2335070	4664-208	Mar 02 2020 08:59:53 AM	Wake/Johnston Co. I-40	RCB4	RB-25.0C JMF # 19-0274-122	None	None	6	120.6	20.08	13.531	33.608
9	2335071	4665-208	Mar 02 2020 09:06:45 AM	Wake/Johnston Co. I-40	JMC3	RB-25.0C JMF # 19-0274-122	None	None	7	140.68	20.08	13.579	33.656
10	2335072	4666-208	Mar 02 2020 09:10:25 AM	Wake/Johnston Co. I-40	JMC7	RB-25.0C JMF # 19-0274-122	289.2	3/2/2020 9:28	8	160.77	20.09	14.529	34.621
11	2335081	4667-208	Mar 02 2020 09:19:35 AM	Wake/Johnston Co. I-40	CTW20	RB-25.0C JMF # 19-0274-122	None	None	9	180.88	20.11	14.079	34.189
12	2335088	4668-208	Mar 02 2020 09:21:32 AM	Wake/Johnston Co. I-40	PA2	RS-9.5C JMF # 19-0271-121	None	None	1	11.03	11.03	13.694	24.721
13	2335109	4669-208	Mar 02 2020 09:27:21 AM	Wake/Johnston Co. I-40	RCB4	RB-25.0C JMF # 19-0274-122	None	None	10	201	20.12	13.515	33.632
14	2335120	4670-208	Mar 02 2020 09:30:48 AM	Wake/Johnston Co. I-40	JMC3	RB-25.0C JMF # 19-0274-122	None	None	11	221.08	20.08	13.568	33.647
15	2335197	4672-208	Mar 02 2020 10:23:26 AM	Wake/Johnston Co. I-40	JMC7	RB-25.0C JMF # 19-0274-122	299.5	3/2/2020 10:43	12	241.18	20.1	14.494	34.598
16	2335199	4673-208	Mar 02 2020 10:25:17 AM	Wake/Johnston Co. I-40	RCB4	RB-25.0C JMF # 19-0274-122	None	None	13	261.3	20.12	13.486	33.604
17	2335200	4674-208	Mar 02 2020 10:27:23 AM	Wake/Johnston Co. I-40	JMC3	RB-25.0C JMF # 19-0274-122	None	None	14	281.36	20.06	13.523	33.581
18	2335202	4675-208	Mar 02 2020 10:30:03 AM	Wake/Johnston Co. I-40	CTW20	RB-25.0C JMF # 19-0274-122	None	None	15	301.48	20.12	14.014	34.133
19	2335207	4676-208	Mar 02 2020 10:50:08 AM	Wake/Johnston Co. I-40	JMC7	RB-25.0C JMF # 19-0274-122	None	None	16	321.61	20.13	14.486	34.614



## Issues

- "+" not appearing in notes (mobile and web)
- Notes typed by inspector can't be viewed on both mobile and web client
- Dump Time not populating
- Cumulative Tons value is still not being updated.
- ☐ Ability for inspector to access previous Shift tickets on iPad/mobile currently does not exist.

  Desktop use can access previous Shift tickets.
- ☐ All trucks don't have GPS Units / Lat Long
- ☐ We need to have some Project Identifier (Contract Number, etc) on the E-Ticket. The current Contractor project number means nothing to us
- ☐ We need to have Weighmaster certification number and possibly expiration on ticket



## Concerns

- 1) DIT Data Requirements General Statue restrictions for NCDOT data uploaded (Temp, Notes, etc) to cloud storage that is not bound by contract to NCDOT.
- 2) It may be easier with e-tickets (than physical tickets) for less aware inspectors to fail to catch a false e-ticket(s). This could happen when inspector goes to lunch or has to be away from site briefly. If e-ticket is inadvertently routed to the wrong project, could it slip through?
- 3) What happens if there is no cell/gps coverage in project area?

# E-Ticketing Pilot Project









I-4700 in Buncombe/Henderson Counties

## E-Ticketing – Looking Ahead

- Next Steps
  - Continue Piloting
  - Collect Feedback / Tweak
  - More Pilots with Tweaks
  - Special Provision
  - Timeframe ~2 years

## Want to help?

Bryan Edwards

bledwards1@ncdot.gov

919-707-2492

# **Letting Website Updates**

## **Concerns from Industry**

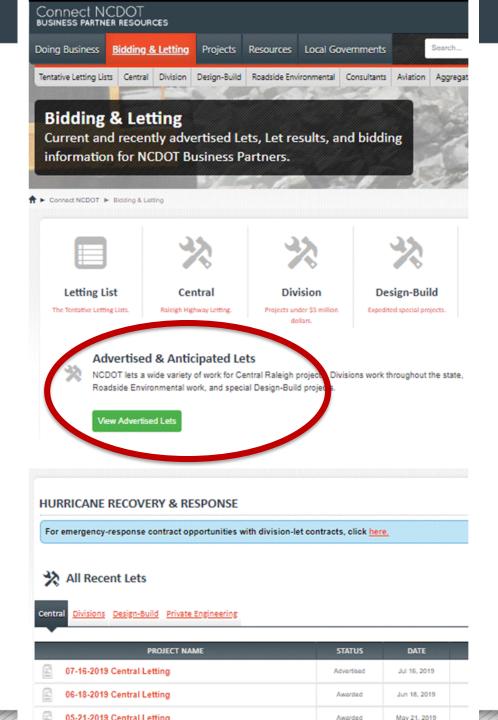
- Web site speed: slow opening and displaying information
- Navigating to 15 different sites to see advertisements

### ncdot.gov

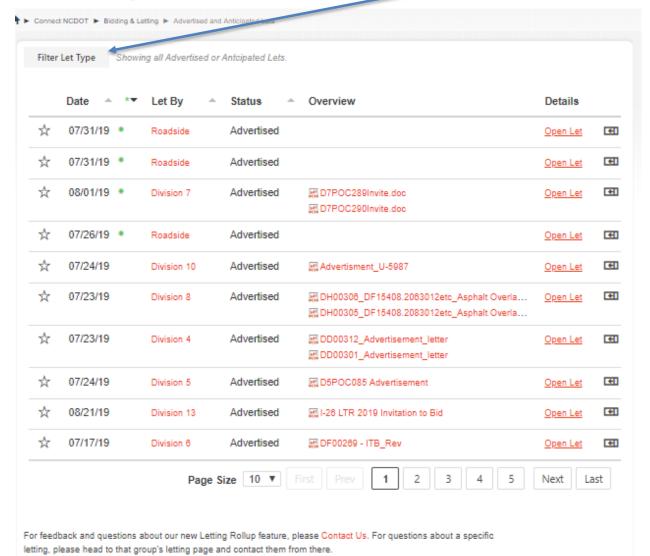
# One Site for Advertisements

- Connect NCDOT→
   Bidding & Letting
- One list of <u>ALL</u> NCDOT advertised and anticipated lets
- Customizable for your target advertisements
- Current letting sites unchanged

https://connect.ncdot.gov/letting/Pages/letting-roll-up.aspx



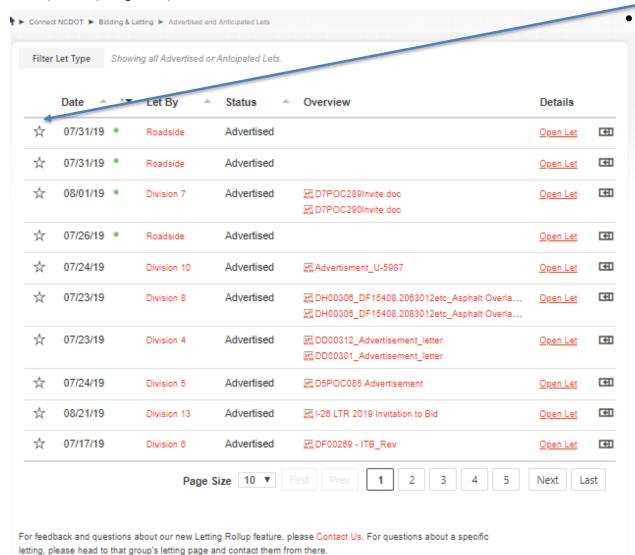
Central, Division, Design Build, and Roadside Environmental Lets



#### Filter Button at the top

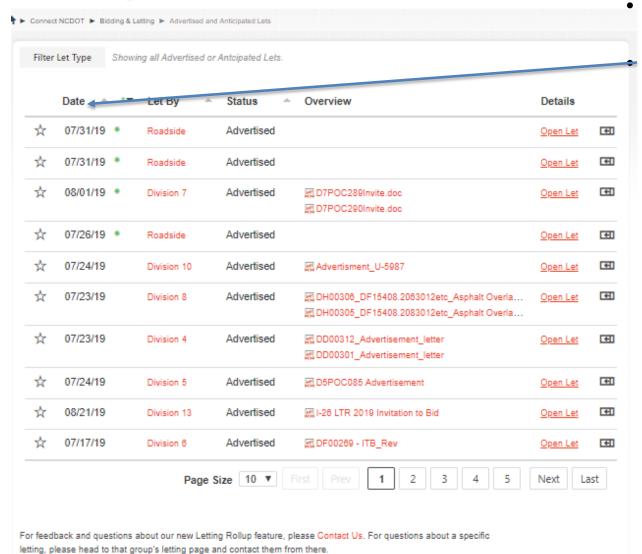
#### Advertised and Anticipated Lets

Central, Division, Design Build, and Roadside Environmental Lets



- Filter Button at the top
  - **Favorites Flag**

Central, Division, Design Build, and Roadside Environmental Lets

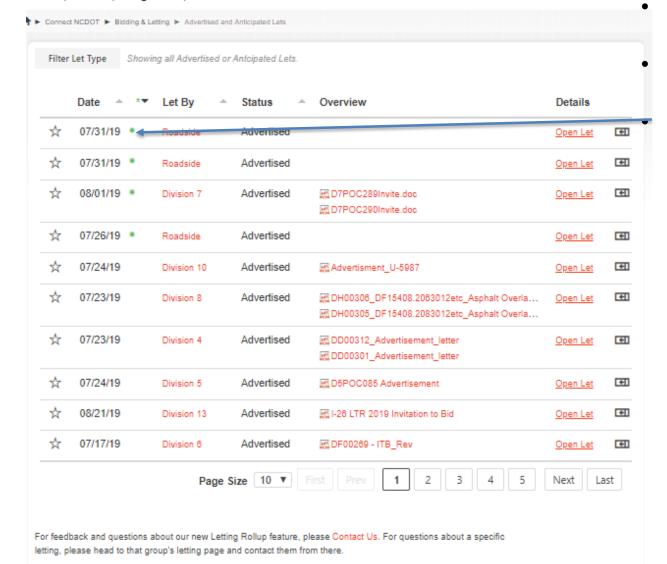


Filter Button at the top

Favorites Flag

Let Date

Central, Division, Design Build, and Roadside Environmental Lets



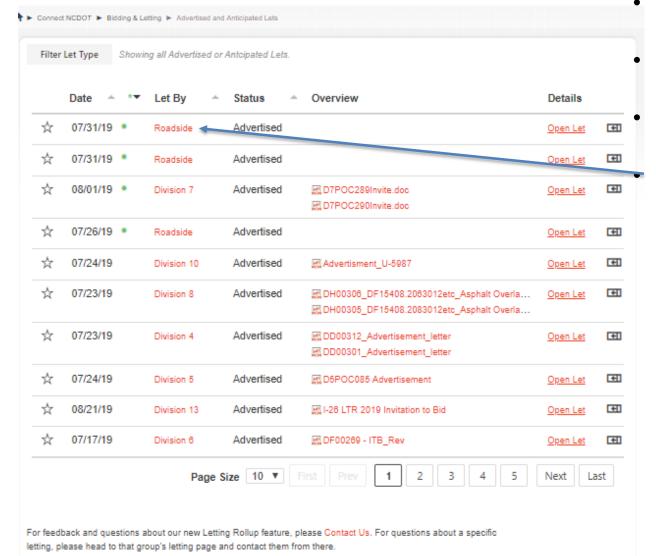
Filter Button at the top

**Favorites Flag** 

Let Date

**Recently Posted Flag** 

Central, Division, Design Build, and Roadside Environmental Lets



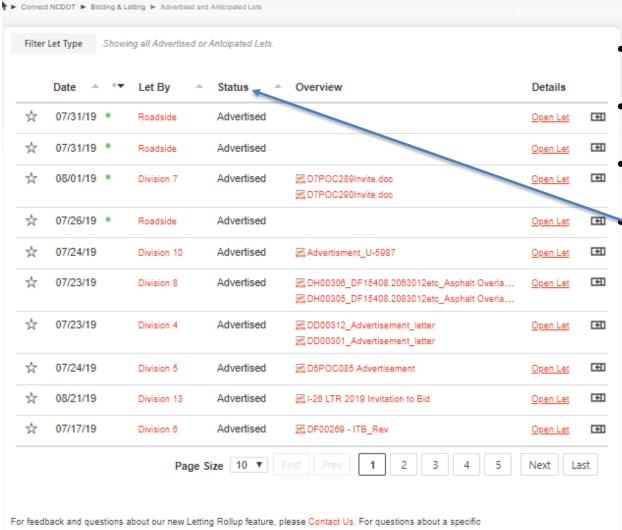
- Filter Button at the top
- **Favorites Flag**
- Let Date

A Home Help & Site Map

- **Recently Posted Flag**
- NCDOT Responsible Unit

Connect NCDOT

Central, Division, Design Build, and Roadside Environmental Lets

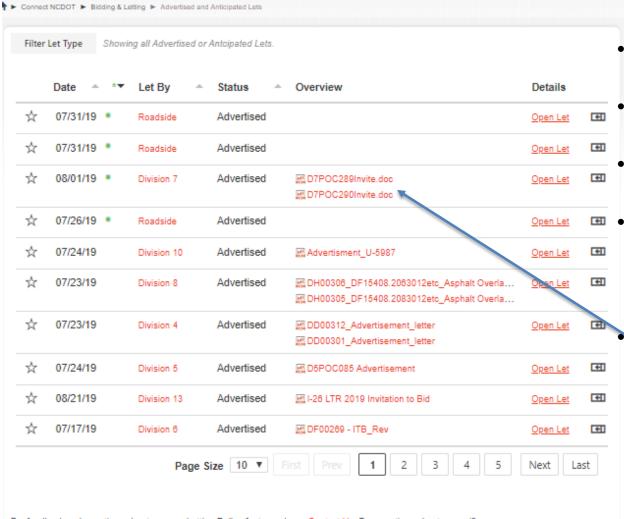


- Filter Button at the top
- **Favorites Flag**
- Let Date

- **Recently Posted Flag**
- NCDOT Responsible Unit
- Advertisement or Anticipated Advertisement **Status**

Connect NCDOT

Central, Division, Design Build, and Roadside Environmental Lets



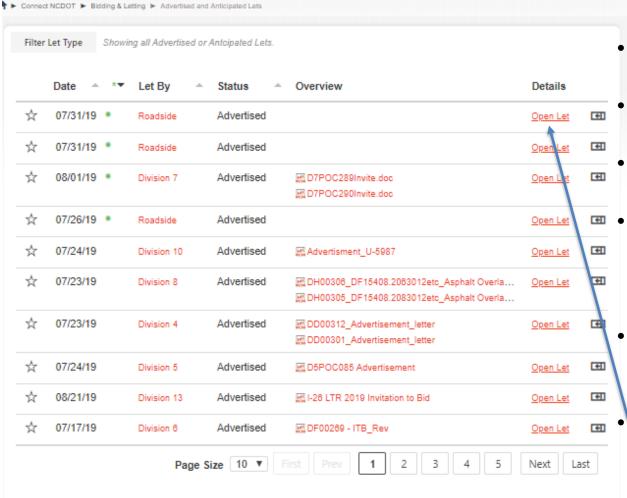
- Filter Button at the top
- Favorites Flag
- Let Date

🖈 Home 🔍 Help 🔞 Site Map

- **Recently Posted Flag**
- NCDOT Responsible Unit
- Advertisement or Anticipated Advertisement Status
- Invitation to Bid or Advertisement Letter

Connect NCDOT

Central, Division, Design Build, and Roadside Environmental Lets



Filter Button at the top

Favorites Flag

Let Date

Help & Site Map

**Recently Posted Flag** 

**NCDOT** Responsible Unit

Advertisement or Anticipated Advertisement Status

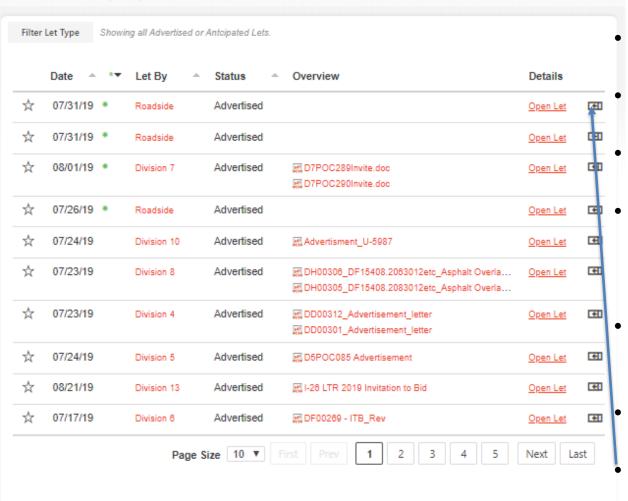
Invitation to Bid or Advertisement Letter

Open the Letting Page

► Connect NCDOT ► Bidding & Letting ► Advertised and Anticipated Lets

Connect NCDOT

Central, Division, Design Build, and Roadside Environmental Lets



For feedback and questions about our new Letting Rollup feature, please Contact Us. For questions about a specific

letting, please head to that group's letting page and contact them from there.

Filter Button at the top

Favorites Flag

Let Date

**Recently Posted Flag** 

**NCDOT** Responsible Unit

Advertisement or Anticipated Advertisement Status

Invitation to Bid or Advertisement Letter

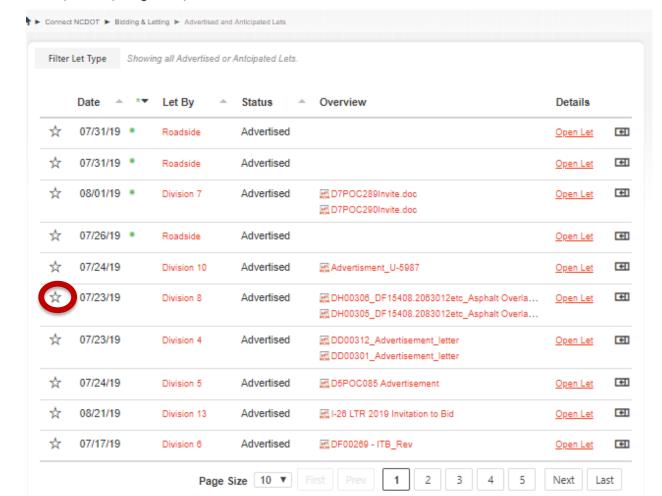
Open the Letting Page

Quick View of Letting Details

Search...

#### Advertised and Anticipated Lets

Central, Division, Design Build, and Roadside Environmental Lets

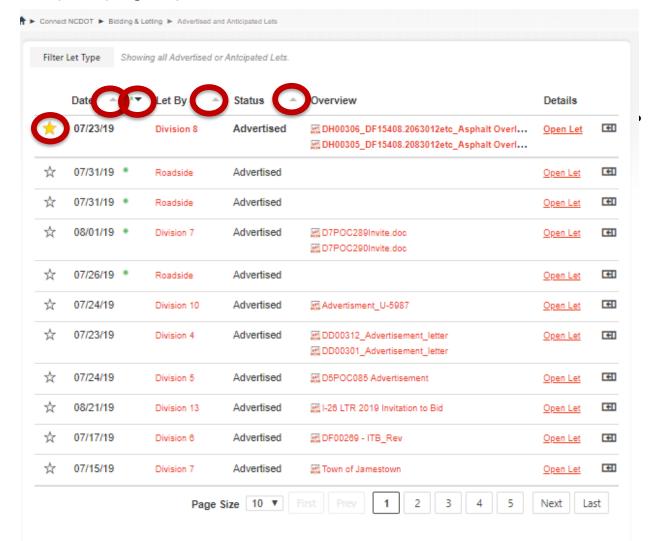


For feedback and questions about our new Letting Rollup feature, please Contact Us. For questions about a specific letting, please head to that group's letting page and contact them from there.

#### **Features:**

Stars can be clicked "on" \* and "off" ★ to keep your favorite individual advertised let at the top of your list.

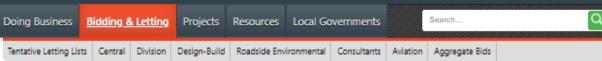
Central, Division, Design Build, and Roadside Environmental Lets



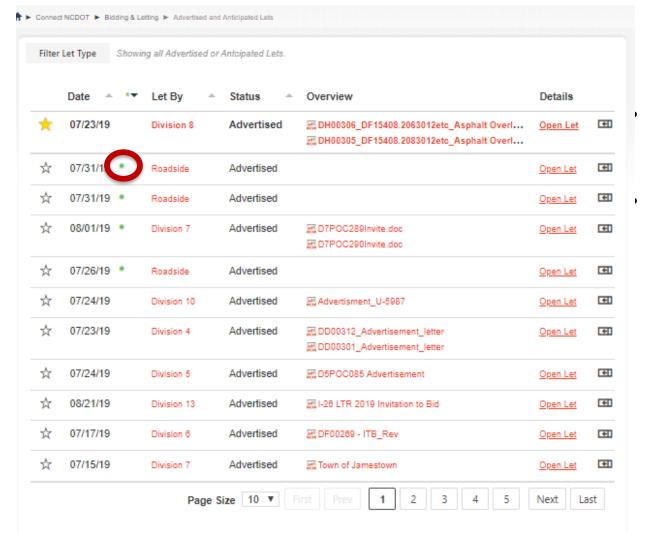
#### **Features:**

Stars can be clicked "on" \* and "off" ★ to keep your favorite individual advertised let at the top of your list.

Arrows allow you to sort columns

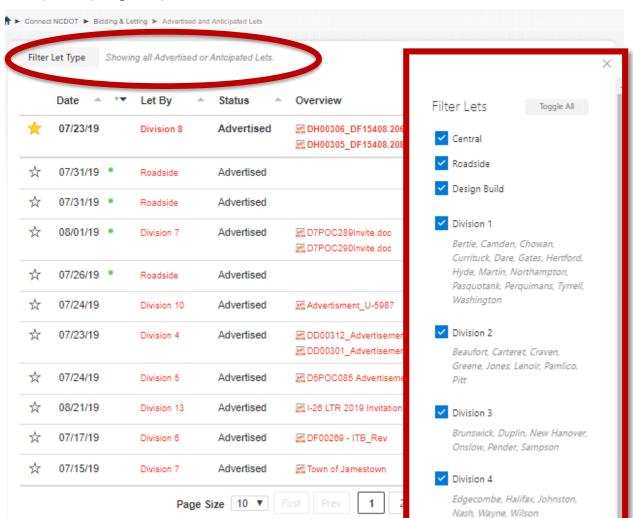


Central, Division, Design Build, and Roadside Environmental Lets



- Stars can be clicked "on" \* and "off" ★ to keep your favorite individual advertised let at the top of your list.
- Arrows allow you to sort columns
- Green asterisk means recently posted

Central, Division, Design Build, and Roadside Environmental Lets



Stars can be clicked "on" \* and "off" ★ to keep your favorite individual advertised let at the top of your list.

Arrows allow you to sort columns

Green asterisk means recently posted

Filter lets you toggle all checks on and off. Check the NCDOT Unit lettings of interest to you.

## ncdot. Connect NCDOT USINESS PARTNER RESOURCES



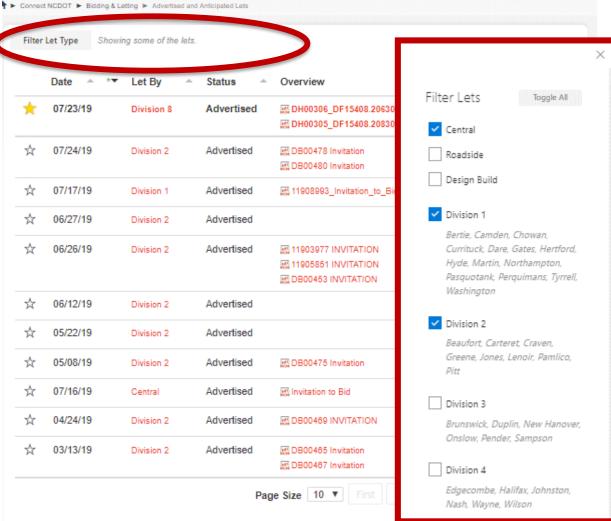
#### Features:

Doing Business Bidding & Letting Projects Resources Local Governments Search...

Tentative Letting Lists Central Division Design-Build Roadside Environmental Consultants Aviation Aggregate Bids

#### **Advertised and Anticipated Lets**

Central, Division, Design Build, and Roadside Environmental Lets



Stars can be clicked "on" \*
 and "off" \* to keep your
 favorite individual
 advertised let at the top of
 your list.

Arrows allow you to sort columns

Green asterisk means recently posted

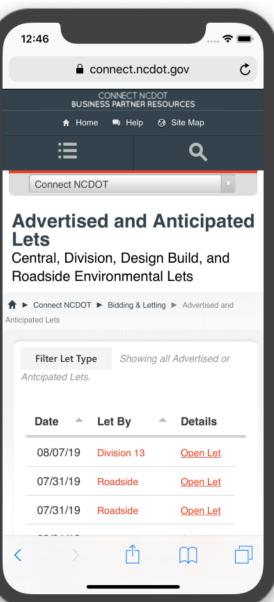
Filter lets you toggle all checks on and off. Check the NCDOT Unit lettings of interest to you.

The website remembers your choices!

## Final Notes on Site

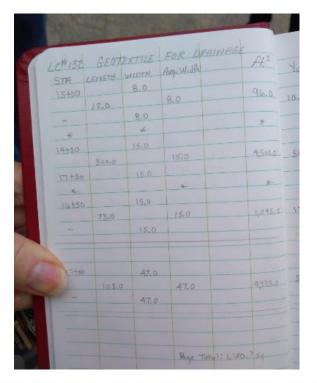
- Optimized to work on mobile devices like Android or iPhones
- Your favorites and filters will be remembered on subsequent visits on SAME device
- Because we don't require a login, your work computer favorites and stars will not be remembered on your phone or personal computer. You will have to set up your favorites on each device separately.





# Electronic Pay Records

0282 7430000000-N	1722	HEAT SHRINK TUBING RETRO	000 37	2 095	EA			
0283 7432000000-E	1722	2" RISER WITH HEAT SHRINK TUBING	71-00	2 pq5	4 EA	541.64	2,166.56	
0284 7444000000-E	1725	INDUCTIVE LOOP SAWCUT	PRB32	15095	4,025 LF	5.15	20,728.75	
1285 7456000000-E	1726	LEAD-IN CABLE (*******) (14-2)	K6 32	15 pg5	5,425 LF	1.54	8,354 56	





Joint activity between SharePoint & HiCAMS



# Process Change



## **OLD PROCESS**

- Inspector records pay record info in red book
  - Uses calculator or spreadsheet to do calculations
- 2. Reviewer checks calculations & reasonableness
- 3. Resident office staff initials to indicate approval
- 4. HiCAMS technician copies info into HiCAMS

## **NEW PROCESS**

- Inspector enters pay record info in SharePlus
- 2. Reviewer checks reasonableness
- 3. Resident office approves

All calculations done automatically by system

Record automatically entered in HiCAMS

## Questions?

