











DOT-Freight Railroad Master Agreements – Best Practices



February 15, 2018





Purpose of Today's Webinar

- Hear best practices on developing master agreements to promote expedited project delivery.
- Hear from BNSF, NC and TX DOT on how their efforts are improving coordination between railroads and their respective DOT partners
- Discuss and share information with State DOTs and Railroads

Agenda

- Welcome
- North Carolina DOT
- Texas DOT
- BNSF Railways
- Discussion and Comments
- Open COI Meeting



A Few Housekeeping Details

- Tell us what you think. We want to hear from all of you on the call during the discussion segments.
- Please add your comments to the chat box provided.

Welcome

Presenters

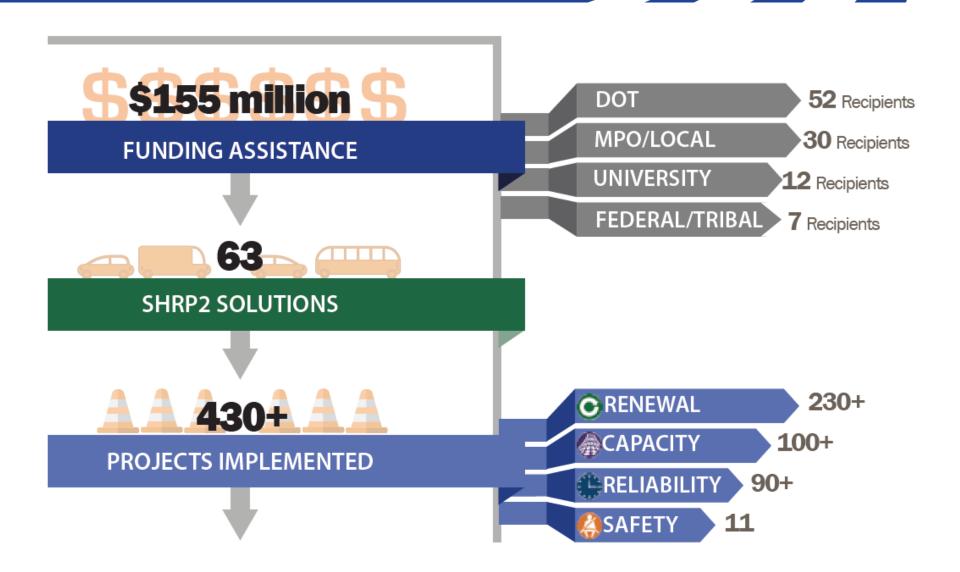
- Richard E. Mullinax, Rail Signals Manager, Rail Division,
 North Carolina Department of Transportation
- Robert Travis, Rail Highway Section Director, Railroad Division, Texas Department of Transportation
- Taylor Smith, Manager, Public Projects, BNSF Moderators
- Kate Kurgan, Moderator/R16 Product Lead, AASHTO
- Pam Hutton, SHRP2 Implementation Manager, AASHTO
- Mike Loehr, R16 Subject Matter Expert
- Hal Lindsey, R16 Project Manager

Recorded presentation will be posted on the AASHTO SHRP2 website: http://shrp2.transportation.org/Pages/R16_RailroadDOTMitigationStrateg ies.aspx

What is SHRP2?

- The Second Strategic Highway Research Program (SHRP 2): a large scale research program designed to make significant advances in some of the most challenging areas in the highway industry
- 9-year, \$232 million research program
- TRB: managed over 100 research projects, involving more than 300 research contractors
- Implementation budget of just over \$170 million

SHRP2 Implementation: INNOVATE – IMPLEMENT - IMPROVE



SHRP2 Implementation: INNOVATE – IMPLEMENT - IMPROVE



Reduced construction costs

Smarter environmental reviews

Safer roadways

What is SHRP2 R16?

- Active Strategic Community of Interest
- Strategies to Improve Railroad-DOT Cooperation and Accelerate Project Delivery
- Innovation Library
 http://shrp2.transportation.org/Pages/R16_InnovationLibrary_Topic.aspx
- AASHTO Web Page Resources: <u>http://shrp2.transportation.org/Pages/R16_RailroadDOTMitigationStrategies.aspx</u>

















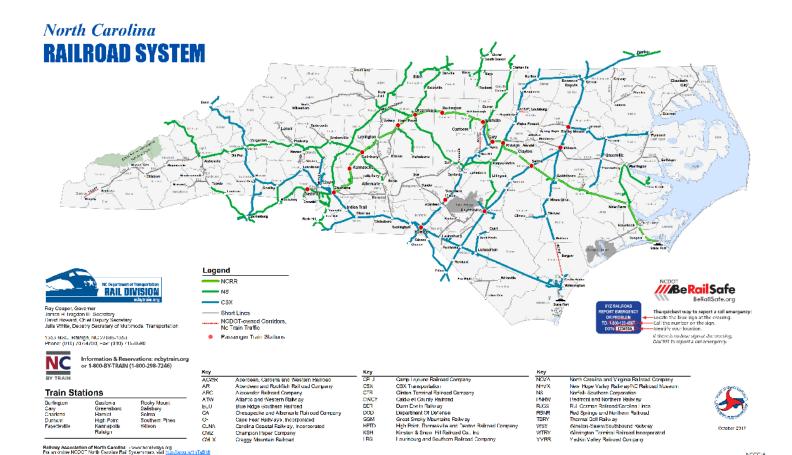




Crossing Signals Master Agreements: North Carolina's Experience

Richard E. Mullinax, PE, PTOE, CPM

15 February 2018



NCCCIA

Purpose of Master Agreements

- Streamline the formal agreement process
- Time savings (eliminates need for drafting and executing individual agreements)
- Applies to crossing signalizations for
 - √ State roads
 - ✓ Municipal roads (still need agreement between NCDOT & municipality for non-State roadways)
 - ✓ Preempted traffic signals

History

 Earliest NCDOT Master Agreements were with Southern Railway and Seaboard Coast Line in late 1970's



- Minor supplements issued when Southern Railway became Norfolk Southern and Seaboard Coast Line became CSX.
- Short lines agreed to the process in early 2000's so new agreements developed in mid-2000's
- Agreements executed in mid-late 2000's and remain in effect



What is a Master Agreement?

- Agreement between an agency and a railroad
- Covers language that is redundant from project to project (i.e.: DBE language, Federal Aid Policy, Circular, Conflict of Interest Statements, etc...
- Details the process for progressing projects
- Outlines reimbursement process
- Either party can terminate with at least 60 days notice
- Current master agreement language in effect since 2008
 - √2 Class I railroads
 - √ 19 shortline railroad operators

Sample Master Agreement

NORTH CAROLINA STATEWIDE

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION August 4, 2015

AND

MASTER AGREEMENT FOR INSTALLATION, REVISION OR REPLACEMENT OF GRADE CROSSING TRAFFIC CONTROL DEVICES

R. J. CORMAN RAILROAD COMPANY/ CAROLINA LINES, LLC

WITNESSETH:

THAT WHEREAS, the parties hereto desire to install, revise, or replace automatic railway-highway grade crossing signals, gates, and traffic control devices, hereinafter referred to as "devices", at various locations throughout the State of North Carolina, including roads and streets under jurisdiction of a municipal governing authority, and to perform other work in connection therewith, the locations for said installation to be determined as hereinafter provided.

NOW THEREFORE, the Department and the Railroad do agree:

- 1. <u>Designated Representatives.</u> The Director of Rail Division, on behalf of the Department, and the General Manager, on behalf of the Railroad, and/or their designee(s) as authorized in writing, are hereby designated representatives of Department and Railroad, respectively, for the purpose of coordinating internal actions within each of the parties as necessary to plan, destign, and construct said devices at various locations throughout the State of North Carolina as selected by Department in accordance with North Carolina General Statute 138-20 and/or any and all Federal-Aid regulations.
- 2. <u>Preliminary Engineering</u>. After notification by letter or documentation by electronic motion from Department, the Railroad shall prepare or have prepared by its consultant preliminary engineering, including all necessary plans, specifications, estimates and materials list, incorporating any necessary field diagnostic review, and shall submit the same to the Department for approval prior to beginning each project, said preliminary engineering being incorporated within each project by reference and made a part thereof. All project work

ATTEST	NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
BY: Serica W Satto	BY: poskeif 40. Weaterly
NAME: Tereca Batts	NAME: Keith H. Weatherly
TITLE: Secretary to Board of Transportation	TITLE: Deputy Secretary for Transit
DATE: 11/17/15	DATE:
SEAL	MAILING ADDRESS
	North Carolina Department of Transportation Rail Division, Design & Construction Branch 1556 MSC
	Raleigh, North Carolina 27699-1556
	ATTN: Richard E. Mullinax, PE, PTOE, CPM
	Rail Signals Manager Engineer remullinax@ncdot.gov
	Telephone: (919) 733-8015

Project Progression

- NCDOT selects locations / prepares concept plan
- NCDOT authorizes railroad to prepare preliminary engineering
- Railroad to make "best effort" to provide plans, specifications, estimates, and materials list within 4 months
- NCDOT reviews and authorizes railroad to construct
- Railroad makes "best effort" to construct within 6 months
- Devices placed under the custody care of the railroad to operate and maintain after NCDOT acceptance

Sample A4PE and A4C

AUTHORIZATION FOR CONSTRUCTION AUTHORIZATION FOR PRELIMINARY ENGINEERING Federal Aid Project Federal Aid Project County County Road or Route No. Z-5400FZ Robeson NC 72 Z5400FZ Robeson SR 72 AAR-DOT ID#: 629593L When fully executed, this document is authority to proceed with the work described below in accordance When fully executed, this document is authority to proceed with the work described below in accordance with Agreement covering automatic traffic control devices at grade crossing dated October 16, 2008. with Agreement covering automatic traffic control devices at grade crossing dated October 16, 2008. DESCRIPTION: PE for the installation of crossing signals, gates and cantilevers in Pembroke. DESCRIPTION: Installation of 4 gates and train detection circuitry at SR 72 in Pembroke. DIVISION: Florence DIVISION: Florence ACCOUNT: OP#NC0822 _ACCOUNT: OP#NC0822 SUBDIVISION: ___ SUBDIVISION: South End South End M.P. A-238.21 ESTIMATE OF COST ESTIMATE OF COST CONSTRUCTION ENGINEERING/INSPECTION: PRELIMINARY ENGINEERING: 200 Labor (Non Contract) 200 Additive 31 34% 230 Expenses Labor (Non Contract Additive 212 Contracted & Administrative Engineering Service Contracted & Administrative Engineering Services Subtotal CONSTRUCTION ENGINEERING/INSPECTION: 200 Labor (Non Contract) 200 Additive 31.34% FLAGGING SERVICE: (Contract Labor) Labor (Foreman/Inspector) 212 Contracted & Administrative Engineering Services Additive (Transportation Department) Additive 118.86% (Engineering Department) Per Diem FLAGGING SERVICE: (Contract Labor) (Engineering Department) 95.98% SIGNAL & COMMUNICATIONS WORK 230 Per Diam 299.999 TRACK WORK: SIGNAL & COMMUNICATIONS WORK: (Details Attached) PROJECT SUBTOTAL 303,999 TRACK WORK: (Details Attached) CONTINGENCIES: 10.00% 30,400 ACCOUNTING & BILLING: GRAND TOTAL 334,399 DIVISION OF COST: 326 100.00% 334,399 10.00% 1.400 TOTAL 334.399 15.397 NOTE: Estimate is based on FULL CROSSING CLOSURE during work by Railroad Forces. DIVISION OF COST: Tony C. Bellamy Director Project Management - Public Projects CSX Transportation, Inc. Tony C. Bellamy 2/10/17 Director Project Management - Public Projects CSX Transportation, Inc. P. C. Worley, CPM, Director-Rail Division NC Department of Transportation-Rail Division P.C. Worley, CPM, Director - Rail Division NC Department of Transportation - Rail Division

Sample A4PE & A4C Combined

	AUTHORIZATION	FOR CONSTRUCT	ION	id File No.
State Project No.	County	Road and/or Ro	ute Crossin	a No.
Z-5400LM	REDELL	SR 2400 (WIGGINS		
When fully executed, this document dighway Master Agreement covering description: Installation of Automatic IREDELL COUNTY, NC	ng warning Devices at	Grade crossings. Ag	reement dated: Mar	ch 28, 2008.
			Milepost: L-48.9	и
	Estin	nate of Cost		4
	Purchas	ses - Others	- 5	
Meals and Lodging:				
Rental of Equipment			\$22,979.98	
Construction Supervision Vehicle:			\$31,413.55	
urchases - Others Total:			\$4,805.22	
diciones - Oniers Total.	***Material A	and Additives***		\$59,198.75
faterial Cost:	material	and Additives		
ales and Use Tax:			\$80,642.00	
reight Charges:			\$6,048.00	
laterial Total:			\$8,064.17	404 754 47
	Labor Ar	nd Additives		\$94,754.17
abor Cost:				
ayroll Tax & Overheads:			\$54,096.00	
reliminary Engineering:			\$46,122.25	
onstruction Supervision:			\$14,147.46	
abor Total:			\$15,801.44	
scor rotal:	Subtotal:			\$130,167.15
				\$284,120.07
	Credit (Salvage / Scrap)			\$0.00
	Total Project:			\$284,120.07
Approved: Approved: Irector - Rail Division C. DOT - Rail Division Davis:	2017	Approved: Chief Engineer - Norfolk Southern	C&S Engineyring Railway Company 9/29/2017 Date:	, , ,

Reimbursement

- Once authorized, railroad may submit progressive invoices up to 85% of total estimate
- Upon acceptance of project, railroad has up to 9 months to submit final invoice
- On non-State roadways, NCDOT reimburses railroad and upon completion seeks reimbursement from municipality
 - ✓ Municipal reimbursement to NCDOT covered under separate agreement

Projects







Other

- Change Orders Railroad submits revised plans and materials list with new Authorization for Construction form
- Supplemental to Master Agreement may be issued when significant changes are required
 - √ Vehicle detection systems
 - ✓ Legislative / technical corrections or updates

Sample Supplemental to MA

NORTH CAROLINA STATEWIDE

DATE: September 26, 2017

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION SUPPLEMENTAL AGREEMENT NO. 1 TO THE MASTER AGREEMENT FOR INSTALLATION, REVISION OR REPLACEMENT OF GRADE CROSSING TRAFFIC CONTROL DEVICES

AND

R. J. CORMAN RAILROAD COMPANY/ CAROLINA LINES, LLC

THIS SUPPLEMENTAL AGREEMENT NO. 1 to the MASTER AGREEMENT FOR INSTALLATION, REVISION OR REPLACEMENT OF GRADE CROSSING TRAFFIC CONTROL DEVICES is made and entered into on the last date executed below ("Effective Date") by and among the NORTH CAROLINA DEPARTMENT OF TRANSPORTATION, an agency of the State of North Carolina, hereinafter referred to as the "Department" and R. J. CORMAN RAILROAD COMPANY CAROLINA LINES, LLC, hereinafter referred to as the "Railroad." The Department and the Railroad shall be hereinafter referred to individually as a "Party" and collectively as "Parties."

WITNESSETH:

WHEREAS, the Department and the Railroad, on November 17, 2015, entered into a cortain MASTER AGREEMENT FOR INSTALLATION, REVISION OR REPLACEMENT OF GRADE CROSSING TRAFFIC CONTROL DEVICES to install, revise, modify or replace automatic railway-highway grade crossing signals, gates, and traffic control devices, such signals, gates, and traffic control devices being hereinafter referred to as "devices", at various locations throughout the State of North Carolina, including roads and streets under jurisdiction of a municipal governing authority, and to perform other work in connection therewith, the locations for said installation to be determined.

WHEREAS, in accordance with recent Federal and State legislative and statutory requirements, the Department is required to include certain provisions in all agreements entered into between the Department and other entities; and,

WHEREAS, the current Master Agreement for Installation, Revision or Replacement of Grade Crossing Traffic Control Devices between the Department and the Raliroad was executed prior to these Federal and State legislative and statutory requirements being enacted making it necessary, in order to follow the law, to incorporate the new provisions into the Master Agreement for Installation, Revision or Replacement of Grade Crossing Traffic Control Devices through a Supplemental Agreement; and,

WHEREAS, the Department and the Railroad mutually consent to amend the Master Agreement for Installation, Revision or Replacement of Grade Crossing Traffic Control Devices executed on November 17, 2015 to revise, delete, or add certain provisions. NOW THEREFORE, the Parties wish to supplement the aforementioned Master Agreement for Installation, Revision or Replacoment of Grade Crossing Traffic Control Devices whereby the following provisions are amended, revised or added.

The following items will be changes and/or deleted:

On Page 1, in the first paragraph, "This Agreement" will be deleted, and "This Master Agreement for Installation, Revision or Replacement of Grade Crossing Traffic Control Devices and hereinafter referred to as (This Agreement)" will be inserted.

On Page 2, in Provision 4, OMB Circular A-133 is deleted and changed to 2 C.F.R. § 200.

The following provisions will be added:

16. Parties Authorized To Execute

The Parties and any purported agent signing for a Party hereby acknowledge that the individual coculting the Agreement on their behalf is authorized to excust this Supplemental Agreement on their behalf and to bind the respective entities to the terms contained herein and that they have compared to the Agreement for installation, Revision or Replacement of Grade Crossing Traffic Cod through Devices, and as amended, conferred with their attorney, and fully understands its

A copy or facsimile copy of the signature of any Party shall be deemed an original with each fully executed copy of this Agreement as binding as an original, and the Parties agree that this Agreement can be executed in counterparts, as duplicate originals, with facsimile signatures sufficient to widence an agreement to be bound by the terms of the Agreement.

17. Compliance

The Railroad, and or its agent, shall comply with the following federal policies: (a) Equal Employment Opportunity; and (b) Title VI – Civil Rights Act of 1964, as amended

18. Governing Law

This Agreement is made under, and shall be governed and construed in accordance with, the laws of the State of North Carolina.

This Agreement shall not be construed to create any relationship of agency or employment between the Parties hereto.

19. Department Debarment Policy

It is the policy of the Department not to enter into any agreement with another party that has been debarred by any government agency (Federal or State). By execution of this Agreement, the Railroad certifies that to its knowledge neither it nor its agents or contractors are presently

2

VDS Installed by State Under Supplemental Agreement





Thank You! Contact: remullinax@ncdot.gov



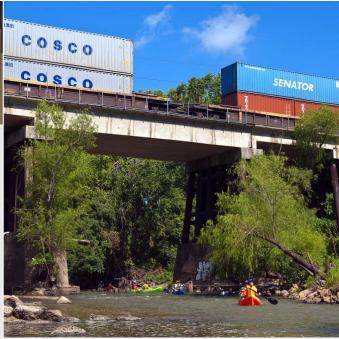












PROJECT REVIEW AND CONTRACT FLAGGING

Robert Travis, P.E.

Rail Highway Section Director

Project Challenges & Solution

- 300 Construction and Maintenance Projects per year
- 25 Different Districts = 25 ways to do them
- Texas DOT use template and/or master agreements
- Texas uses a Rail Highway Operations Manual
- http://onlinemanuals.txdot.gov/txdotmanuals/rho/index.htm

- Texas DOT identified that 2/3 of the projects are maintenance and partnered with the Class 1 railroads to streamline the process
 - 2 page simple agreement for flagging as needed
 - Maintenance notice if Contracted/ Approved Vendor used for flagging
 - Standard language in our plan set plans to cover insurance, etc.

Contract Flagging

- History
- Change over from Railroad employee to Approved Vendor
- Success Stories
- Contract issues
- Purchase order for State Forces
- Scope of Work Sheet

Maintenance Notification Letter



125 EAST 11TH STREET, AUSTIN TEXAS 78701-2483 | 512.463.9588 | WWW.TXDUT.GOV

January 10, 2018

MAINTENANCE NOTIFICATION

Bexar County CCSI 0915-12-578 Project STP {) Gildden Subdivision DOT 764 352R, RRMP 194.10 SH 218 in San Antonio, Texas

Roadway Maintenance

Brandon Kasper Manager Special Projects 24125 Aldine Westfield Rd Spring, Texas 77373

Dear Mr. Kaspø

Please be advised that the State and/or the State's Contractor plan to perform necessary maintenance work at the above referenced location. All work will be performed at the State's expense. The scope of work for this project consists of milling and sealing the medway and replacing the left turn signal head at the corner of Aviation Boulevard and SH 218. A project location map is attached for reference.

The State ent/or the State's Contractor shall accordinate (lagging protective services with RailPros for three days of flagging. Should the UPRR determine lingt UPRR personnel will perform flagging, an amendment to this (Notice will be sent prior to UPRR possonnel providing the flagging services.

The State shall require the State's Contractor to obtain and provide the State-required Rallroad Protective Liability insurance before commencing any work on Railroad's property. This project is scheduled to let to portract May 2018.

If you have any questions, please contact Quentin Hucksby at telephone number (512) 416-3282 or me at (512) 416-2635. We appreciate your time and cooperation.

Sincerelly

Date 1-8- 2018

Robert Travis, P.E.
Reil Highway Section Director
Rellroad Division

OLR VALUES. Proprie - Accordability - Treat - Homes;
OUR ATISHO'S Trought valuebrands and foodership, up deliver a larke reliable, and implicated transportation system that emobile the matrier the matrier than manufacture and poods.

AT BOUR OCCUPANTS Employ

Maintenance Notice Letter

- Notice only signed by TxDOT and sent to Class 1 Railroad
 - Covers following activities only:
 - Pavement planning, filling and seal coat work
 - Signing and Striping of roadway
 - Bridge Maintenance and inspection
 - Common ditch and vegetation work
 - Excludes any widening of the crossing, including shoulders
 - Excludes major bridge work such as bridge deck replacement
 - Excludes and direct payment to the Railroad by TxDOT

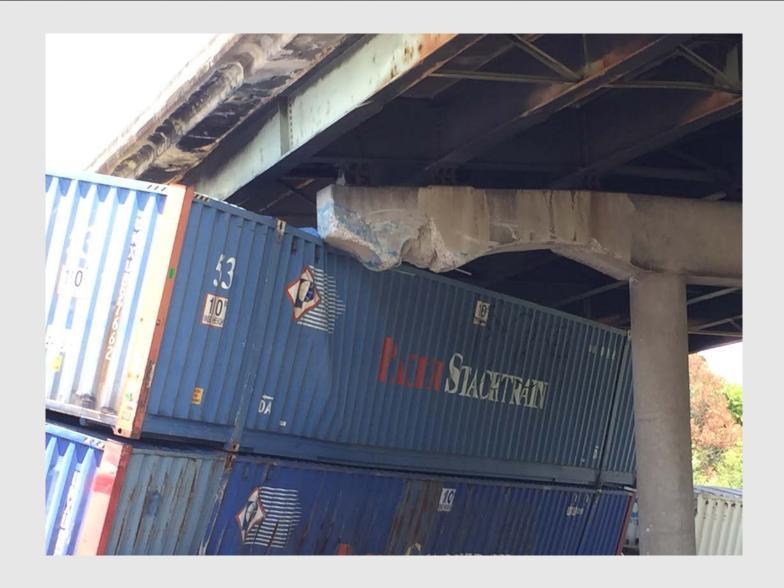
Scope of Work Sheet

Scope of Work Sheet and sample Bridge and non-Bridge requirements sheets located at:

http://www.txdot.gov/inside-txdot/division/rail/requirements.html

- Scope of work sheet is used in lieu of Special Provisions
- Convey Contractor vs. Railroad requirements including the following:
 - Location of the work
 - Work by Contractor vs. Railroad
 - Insurance, flagging, right of entry requirements
 - Coordination requirements and contacts
 - Emergency contact

Flagging for Emergency Work



Questions?

Robert Travis, P.E.

Rail Highway Section Director

Rail Division

Robert.travis@txdot.gov

(512) 416-2635

Rail Highway Website

http://www.txdot.gov/inside-txdot/division/rail.html

BNSF Railway CompanyPublic Projects Presentation

Agency Master Agreements



Taylor Smith

Manager Public Projects

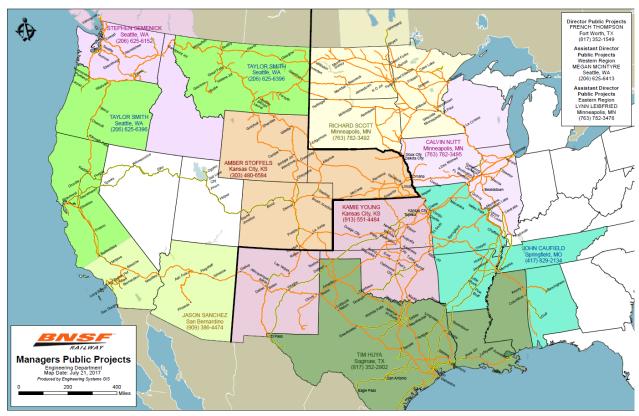
Montana, Oregon, Northern California



BNSF Railway Public Projects Dept.

1 Director, 2 Assistant Directors, 9 Managers, 7 Project Engineers

- Warning Device Upgrades
- Grade Separations
- Crossing Closures
- Quiet Zones
- Line Relocations
- Roadway Widenings
- Private Crossing Permits





Grade Crossing Safety

How do we reduce the risks inherent with at grade crossings and deter trespassing on our network?

- Closure and Consolidation
- Grade Separations
- Section 130 Funds for safety modifications
- ROW fencing
- Site Distance improvements
- Education



Master Agreements

- Purpose is to expedite project authorization timeline while still protecting both parties
- Standard Language that is redundant can be included in MA and referenced in subsequent agreements
 - Indemnification Language
 - Safety Requirements
 - Contractor Requirements on ROW
 - Flagging Requirements
 - Invoicing and reimbursement
 - Etc



Design/Scope items under MAs

- Agreements –
- Construction and Maintenance (C&M)
 - Exhibit C and C1
- •Schedule 4th Quarter Moratorium for track windows and form B's
- Railroad Flagger when on BNSF property
- •Railroad 3rd party inspector (different from flagger and Agency inspector)
- Enhanced BNSF RR Structures Review



Construction and Maintenance Agreement

C&M Agreement (typical)

Recitals

Railroad Obligations

Agency Obligations

Joint Obligations

**Indemnification Language

**Insurance

Signatures

- Exhibits

Exhibits (typical)

A – Approved Plan

B – Permanent & Temporary Easements *JLL*

C – **Contractor Requirements

C1 – Agreement b/w RR and Contractor (non editable)

D - Cost estimate for RR work

E – Final Written approval from BNSF-MPP

F – BNSF Bridge Requirements

G – Total Project Estimate – for grade sep eliminating an at grade xing



^{**}included in Master Agreement

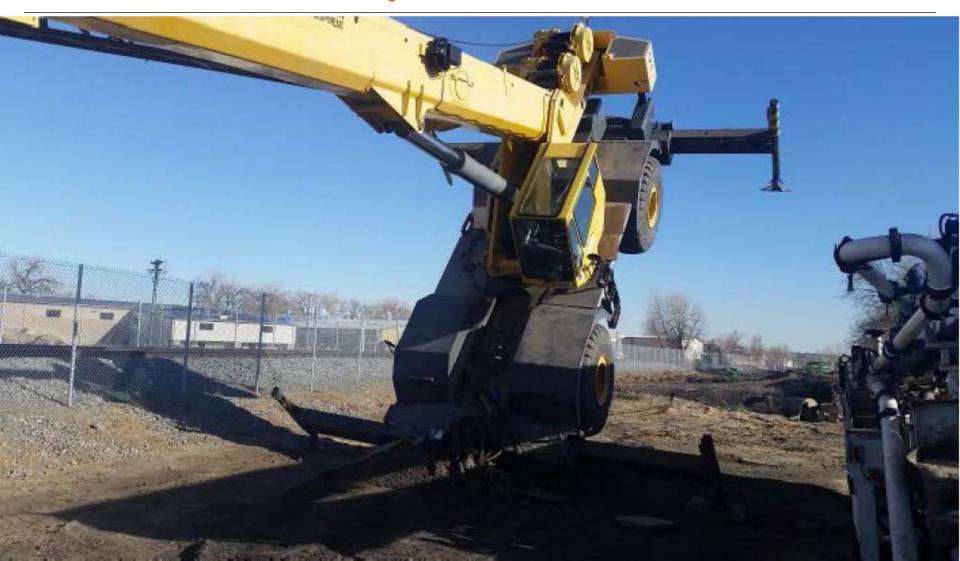
Checklist for Construction on BNSF ROW

- C&M Agreement executed
- Contractor has proper insurances in hand
- Pre-construction meeting
- Agency to provide BNSF Notice to Proceed
- Safety credentials
 - Contractor Orientation
 - E-railsafe
- Safety Action Plan
- Construction Submittals reviewed and approved!
- new requirements forthcoming...why?



Broomfield, CO

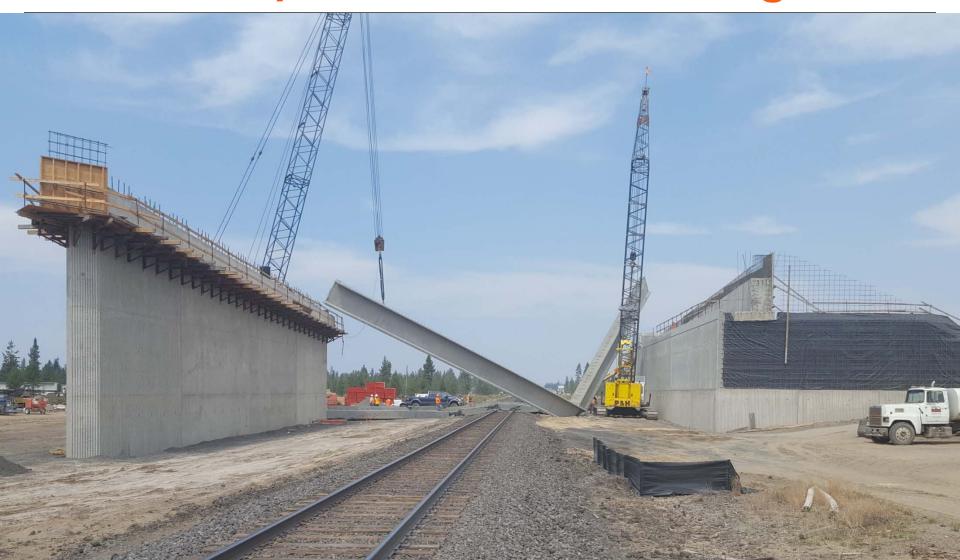
March 2016





La Pine, OR

Aug 2016





Yellowstone Co, MT

Feb 2017



Common themes

6 incidents across system in the last 2 years

- Contractor made changes to the work plan after the plan was approved and Contractor did not resubmit
- Contractor did not stop the actual work activity to re-brief when changes were made the day of
- Cranes were overloaded past specifications on crane charts
- Contractor improperly calculated or did not calculate load weights
- New requirements and protocols forthcoming



Crossing Safety - revisited

How do we reduce the risks inherent with at grade crossings, deter trespassing and reduce the risk with Agency construction projects on our network?

- Unified Agreement language
- Expectations articulated clearly throughout the design and agreement phase
- Project engagement and ownership (Agency, CM, RR, RR-3rd party inspector, RR Flagger)
- Closeout and best practices



Havre MT - Co Rd. 403 - before





Havre MT - Co Rd. 403 - after



Laurel Airport Road OP Replacement

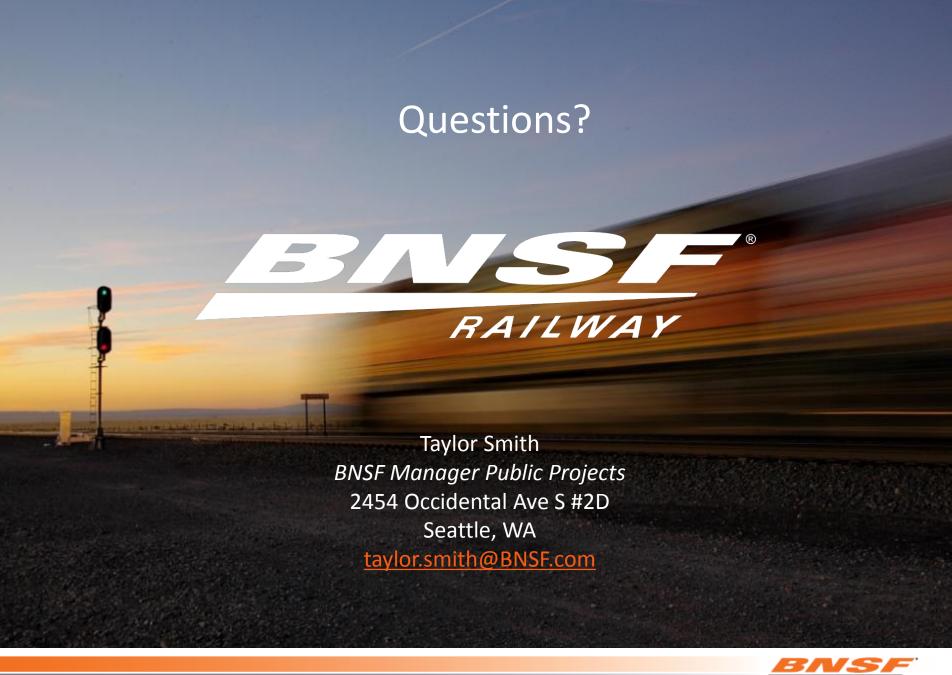




Laurel Airport Road OP Replacement







Questions?



Open Discussion with COI

Community of Interest (COI) Goals:

- To share best practices, lessons learned, challenges, accomplishments, model agreements, and processes with railroads and highway agencies, to in turn share nationwide.
- To create a collaborative environment in which to capture the most innovative ideas from all stakeholders for expediting project delivery.

• Activities:

 Annually meet face-to-face in Q2 and through these webinar (virtual) meetings in Q1, Q3 and Q4.

• Today:

- Review and shape upcoming meeting agendas
- Propose webinar and case study topics, and
- Get general discussion of mutual topics of interest.

Draft Agenda – Fort Worth, March 27

8:30 – 8:45 AM	Welcome	
	 Welcome from FHWA, AASHTO, FRA and BNSF Safety moment Housekeeping 	Jessica Rich, Pam Hutton, Frank Frey, French Thompson
8:45 – 9:15 AM	Meeting Overview and Activity Recap	
	 Review of meeting agenda Brief overview of webinar, case study and peer exchange activity that occurred since last COI meeting 	Kate Kurgan
9:15 – 10:15 AM	Community of Interest Update	
	Self-Introductions and Report Outs from Each COI member (DOTs and RRs), highlighting updates since last COI meeting and hot topics (Questions attached)	All COI Members – approx. 5 minutes each; Group Discussion
10:15 – 10:30 AM	Break	
10:30 – 11:15 AM	Community of Interest Update	All COI Members
	Continued COI Report Outs	
11:15 – 12:15 PM	State of the Industry Open Discussion	Group Discussion
11:15 – 12:15 PM	Innovations/challenges ahead for the Industry – Roundtable	Group Discussion Susannah Adler to Moderate
11:15 – 12:15 PM 12:15 – 1:15 PM	, .	•
	Innovations/challenges ahead for the Industry – Roundtable	Susannah Adler to Moderate
12:15 – 1:15 PM	Innovations/challenges ahead for the Industry – Roundtable Lunch – Non-Working or Working with Topic of Choice by COI	Susannah Adler to Moderate
12:15 – 1:15 PM 1:15 – 2:45 PM	Innovations/challenges ahead for the Industry – Roundtable Lunch – Non-Working or Working with Topic of Choice by COI Campus Tour – BNSF Host	Susannah Adler to Moderate
12:15 – 1:15 PM 1:15 – 2:45 PM 2:45 – 3:15 PM	Innovations/challenges ahead for the Industry – Roundtable Lunch – Non-Working or Working with Topic of Choice by COI Campus Tour – BNSF Host Break Section 130 Updates and Industry Discussion – Section 130	Susannah Adler to Moderate Hosted by BNSF Jessica Rich and Group

Draft Agenda – Ft. Worth, March 28

8:30 – 8:45 AM	Recap of Day 1 and Agenda Overview	
	Safety Moment	Jessica Rich
	Housekeeping	Kate Kurgan
	Recap of Day 1	
	Proposed adjustments to agenda for Day 2	
8:45 – 9:15 AM	FRA Update	Frank Frey
	Positive Train Controls, Regional Passenger Rail Plans, Other Issues	
9:15 – 10:30 AM	Master Agreements Facilitated Discussion / Round Table	TBD
	RR/DOTs share latest successes and how they achieved them	
10:30 – 10:45 AM	Break	
10:45 – 11:15 AM	Topics for Future Webinars and Case Studies	
	Topics of industry interest for upcoming R16 Webinars and Case	Pam Hutton
	Studies	David Solow
11:15 – 11:45 AM	Peer Exchange 2018 Agenda Planning	
	COI planning for Peer Exchange in Q3 2018 in Miami (draft agenda,	Kate Kurgan
	topics of industry interest, proposed speakers, logistics, etc.)	Mike Loehr
11:45 AM – 1:00 PM	Lunch – Non-Working or Working with Topic of Choice by COI	Hosted by BNSF
1:00 – 2:30 PM	Application of New Technologies - Panel Discussion (drones,	BNSF and other COI
	nondestructive testing techniques, AskRail, etc.)	members to be named
2:30 – 2:45 PM	Break	
2:45 – 3:45 PM	Leveraging R16 COI in 2018 and 2019	
	Planning for 2019 COI; future of SHRP2's R16 product; additional	
	industry needs; the role of FHWA, State DOTs and partner railroads going forward	Group Discussion

Optional Tour of New TEX-Rail Commuter System

- Monday, March 26, 3 p.m. prior to COI meeting.
- The tour will start and end at the Homewood Suites Fossil Creek hotel; no personal protective equipment required; no cost to attend. It will be mostly drive-by, with limited walking.
- Tour will highlight several active highway, bridge and railroad projects related to the new TEX-Rail commuter rail system currently under construction, linking downtown Ft. Worth to DFW International Airport on existing, upgraded and new freight tracks.
- This project involves collaboration between Fort Worth Transportation Authority, DART, TX DOT, Amtrak, BNSF, UP and the FRA.

Open Discussion with COI - Webinars

Prior activities:

- Sept 2016: COI Introduction
- May 2016: Section 130 Funding
- Sept 2017: Railroad/DOT User Manuals and Training
- Feb 2018: Master Agreements

Input needed for Future Webinars

- April/May 2018: Design/Build and RR Agreements
- Sept 2018: Flagging Agreements
- Jan 2019: Open

Possible Topics – Discussion

- Innovative use of new technology, i.e. use of drones for bridge and corridor inspections,
- Advances in grade crossing signaling and gates, etc.
- Other? Your Ideas?

Open Discussion with COI – Case Studies

Completed or In-Process Case Studies

- Sept 2017: Section 130 Funding (Already completed)
- March 2018: Master Agreements (In process)

Suggested Case Studies:

- April/May 2018: Document Control and File Sharing between DOTs and Railroads
- June/July 2018: Design/Build and RR Agreements
- October 2018: Flagging Agreements
- Nov/Dec 2018: Open
- Feb 2019: Open

Do you have a good program or process you want to highlight and share with your colleagues?

Open Discussion with COI

What keeps you up at night?

 What other topics should we be discussing as industry partners to promote increased safety, collaboration, efficiency, and time savings?



For More Information

Product Leads:

Jessica Rich FHWA Product Lead jessica.rich@dot.gov

Pam Hutton

AASHTO Co-Product Lead

phutton@aashto.org

Kate Kurgan

AASHTO Co-Product Lead

kkurgan@aashto.org

Additional Resources:

GoSHRP2 Website:

AASHTO SHRP2

Website:

R16 Product

Pages

http://shrp2.transportation.org/ /Pages/R16_RailroadDOTMiti

http://shrp2.transportation.org

gationStrategies.aspx

fhwa.dot.gov/GoSHRP2

Innovation Library

http://shrp2.transportation.org

/Pages/R16_InnovationLibrar

y.aspx

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Thank You for Joining Us!

