Quality Management Review

MoDOT

Dave Ahlvers P.E.

Dennis Brucks P.E.

Josh Kincaid P.E.

Quality Management

Introduction to Quality Management
Dave Ahlvers, P.E.

Review of Job Special Provision & Terms
Dennis Brucks, P.E.

Forms, Checklists, ITP, Documentation, Sharepoint, Etc.
Josh Kincaid, P.E.

Quality Management

Session Format:

Complete three presentations from MoDOT

Field questions from attendees

DCEs will moderate questions from remote sites

Provide contact information for any follow-up questions

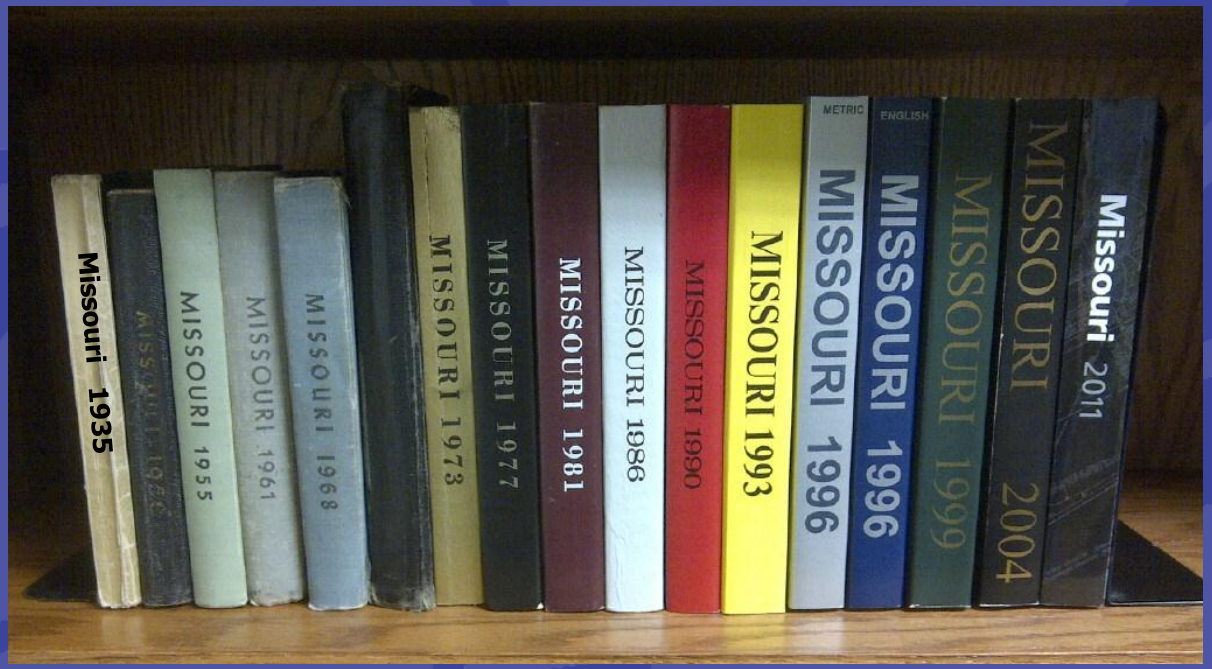
Quality Management

What is Quality Management?

- A process that gives the contractor the primary role and responsibility for incorporating QUALITY into the project.
- QUALITY is included in the planning and scheduling of all project activities.
- Contractor manages QUALITY with quality control testing and inspection.

Quality Management

Evolution from Method Specs to Quality Management



Quality Management

Evolution to Quality Management

- 2000 – Implemented QC/QA for Asphalt
- 2002 – Implemented QC/QA for PCCP
- 2004 – Released "Performance" Spec Book
- 2007 – Quality Management on Design-Build
- 2012 – 46 QM Pilot Projects (Design-Bid-Build)
- 2013 – Full implementation

Quality Management

Design-Build Projects
2007-2012

Quality Management

Design-Bid-Build Model

Contractor Role

Quality Control Testing

Inspection

Documentation

MoDOT Role

Quality Assurance Testing

Inspection Oversight

Documentation

Review of Job Special Revision & Terms

Dennis Brucks P.E.

Quality Management

Primary Components of Quality Management

1. Quality Manager (Contractor-employed)
2. Quality Management Plan
3. Quality Control staff (Certified technicians provided by contractor)
4. Quality Assurance staff (provided by MoDOT)

Quality Management

Quality Manager

- Contractor-employed or Third-Party
- Qualified, competent, knowledgeable, experienced
- Implements the QMP
- Directs all QC activities
- Is the point of contact for MoDOT
- Preferred to be "on-site" for larger projects
- Preferred to be separate from Production Manager

Quality Management

Quality Management Plan

- Contractor's Blueprint for Quality
- Approved QMP necessary prior to start of work
- Contractor submits draft for review (before pre-con)
- RE & Contractor meet to discuss details
- After agreement, both parties sign
- Contractual document
- "Living Document" - Revise as necessary

Quality Management

Inspection and Test Plan (ITP)

- MoDOT provides a base ITP with minimum testing frequencies for QC and QA
- New base ITP posted on website
- Modify to fit your project (i.e. reduce as necessary)
- Contractor can propose changes to ITP testing frequencies (submit in writing)
- All proposed changes reviewed at the appropriate level (RE / District / Division)
- Issue a change order for any spec changes

Quality Management

Document Control Procedure

- Paperless method for storing/retrieving documents
- Preferred location: MoDOT's external Sharepoint
- MoDOT needs full access to documents
- Easy-to-follow folder structure and file naming convention
- Post documents 12 hrs. following shift, or as approved in QMP
- RE will move files to MoDOT V drive at closeout

Quality Management

Materials Sampling & Testing

- Contractor performs Quality Control testing
- MoDOT performs Quality Assurance testing
- QC/QA Testing frequency listed in ITP
- All testers must be certified
- Contractor testers listed in QMP
- Independent third party used for dispute resolution

Quality Management

Inspection

- Contractor provides basic inspection
- Inspectors need to be competent, but not certified
- Inspectors can perform dual role (i.e. foreman or worker), but this is not ideal
- Inspectors can use New MoDOT-provided checklists and reports or other approved documents
- General layout and surveying done by contractor
- MoDOT provides inspection oversight (QA)
- Off-site inspection provided by MoDOT

Quality Management

Materials Receiving

- Contractor collects acceptance documents for materials delivered to the site
- Standard materials receiving forms provided by MoDOT
- Contractor records basis for acceptance (MoDOT-OK stamp, PAL, certifications, etc.)
- Material acceptance documentation is required before work items are placed on pay estimate

Quality Management

Hold Points

- This is a check point
- Set at critical stages in the work to verify specific aspects (material, dimensions, specifications, etc.)
- QC provides completed Daily Inspection Reports, Checklists, and Material Test reports
- QA testing or inspection may be required
- QA approval is required before proceeding
- Hold Points established by QA, with QC input
- Intermediate (QC) Hold Points are optional

Quality Management

Hold Point Examples

- After BMPs installed, just prior to grading
- Prior to concrete or asphalt paving
- Prior to driving pile
- Prior to any substructure pour
- Prior major traffic switch
- Prior to deck pour

Quality Management

Role of QA (MoDOT)

- Verify performance of QC
- Enter QC data and DWR Diary into SiteManager
- Perform QA testing and inspection
- Interpret plans and specifications
- Liaison to MoDOT Design for project issues
- Measure pay items or verify measurements
- Verify QC tests / inspection / materials receiving / documentation is complete prior to payment

Quality Management

Role of QA (MoDOT)

- Attend pre-activity meetings
- Present at Hold Points
- Present on job as much as possible (risk based)
- Perform 10% check on surveying
- QA on IRI Measurements
- Help train contractor staff on inspection and documentation procedures

Quality Management

Pay Items

- Contractor documents location and quantity of installed items on DIR
- DIR serves as the contractor's request for payment
- MoDOT measures and documents quantity for pay items that require measurement
- MoDOT verifies quantity, checklists, and materials acceptance before making payment

Quality Management

Work Planning & Scheduling

- Contractor is required to include Quality in all planning and scheduling
- Work plan should include QC testing/inspection, and hold points
- Pre-Activity Meetings held just prior to each new activity (QM and/or QC, QA, Production)
- Weekly Schedule (Two-week look ahead), including planned hold points
- Hold points can be rescheduled with 24 hour notice

Quality Management

Standard Forms & Checklists

- MoDOT provides Forms & Checklists (See new)
- Contractor forms OK if they have required information
- Daily Inspection Reports (Now on website)
- Contractor saves all documentation to Sharepoint
- Name of technician on testing reports
- Documents digitally signed, submitted timely
- Digital signature can be any contractor representative

Quality Management

Non-Conforming and Deficient Work

Non-Conforming work:

"Completed work that does not meet the contract requirements"

Deficient work:

"In-progress work that does not meet the contract requirements"

Quality Management

Non-Conformance Report

- Documents deficient or non-conforming work
- NCR is NOT an Order Record
- Example: MRB project has over 200 NCRs
- Either party can issue an NCR
- QC should issue the majority of NCRs
- New NCR form now available on website

Quality Management

Resolving a Non-Conformance Report

- NCR serves as documentation and tracking
- Contractor proposes resolution
- Three options:
  1. Use "as is"
  2. Fix it
  3. Replace it
- MoDOT approves or disapproves
- MoDOT closes NCR once resolved
- No. of NCRs does not affect Contr. Perf. Rating

Quality Management

Corrective Action Request

- Issued for recurring non-conforming or deficient work
- Issued by QC (preferably) or QA
- Contractor must track corrective action until there is a solution
- Rare - none were issued in 2012
- Do not affect Contractor Performance Rating unless accompanied by an Order Record

Forms, Checklists, ITP, Documentation, Sharepoint, Etc

Josh Kincaid P.E.

Quality Management

MoDOT & Contractor Training

Quality Management Training Overview

* Quality Management Plan (QMP)
* Inspection and Test Plan (ITP)
* QC Inspection Checklists
* QA Inspections
* Daily Inspection Reports (DIR) vs. MoDOT DWR's
* Materials Inspection
* Forms
* SharePoint

Job Special Provisions Section 2.3

* A) General Organizational Structure of Production and QC staff
* B) Name, qualifications and job duties of the Quality Manager and all QC inspectors
* C) A procedure describing QC Inspections
* D) A procedure describing QC Testing
* E) A procedure describing Material Receiving
* F) A Document Control Procedure
* G) A procedure for Non-Conforming and Deficient work, and Corrective Action Requests
* H) A list of work items that will be sub-contracted and the QC personnel who will be responsible for inspection and testing sub-contracted work
* I) A list of QA Hold Points and a procedure for addressing any issues found during the QA Hold Point Inspections

Job Special Provisions Section 2.3 Continued

* J) A list of QC Hold Points and a procedure for addressing any issues found during the QC Hold Point Inspections
* K) A procedure for making revisions to the QMP
* L) References to specific applicable QC Plans such as asphaltic concrete pavement or Portland cement concrete pavement
* M) A proposed independent third party company name, address and phone number for dispute resolution
* N) Any approved changes to the standard forms provided by MoDOT
* O) Format for the Weekly Schedule and Work Plans
* P) A procedure for project closeout, including Quality Documentation Audit that verifies all project documentation is accurate and complete

ITP Example

QC Inspection Checklists

* Process for QC to provide a check on Quality of the work
* Activity/Work Driven
* Hold Points included in Checklists (Decide if QC, QA or both)
* Hold Points may have separate form to fill out for documentation purposes.
* Flexibility to modify on projects as needed
* Changes to Checklists can be made at RE Level
* Need to develop Checklists for JSP items
* Only QC has frequency in ITP for Checklists

BRIDGE DECK CHECKLIST

Project: _____
Route: _____
Date: _____
Contractor: _____
Item: _____

Materials

No.	Items	Yes	No	N/A
1	All materials (reinforcing steel, bar splices, deck forms, ties, supports, curing compound, concrete sealer, etc.) meet specifications?			

Formwork

No.	Items	Yes	No	N/A
1	Forms mortar tight and sufficiently rigid to prevent excessive deflections?			
2	Forms of adequate thickness and design to remain true to shape?			
3	Forms present a smooth surface and joints align properly?			
4	Inside of forms cleaned of dirt, mortar, and foreign materials?			
5	All materials (e.g. conduit, drains, blockouts, anchoring devices, etc.) to be embedded placed and adequately secured?			
6	Dirt, chips, saw dust, water, and other foreign material removed from within			
7	Forms lubricated to ensure removal? Including overhang coil ties?			

Permanent Steel Bridge Deck Forms

No.	Items	Yes	No	N/A
1	Erection drawings provided?			
2	Forms, materials, and installation in accordance with erection drawings?			
3	Attachments made by approved methods?			
4	Contractor prevented welding arcs from contacting steel girder flanges?			

Permanent Precast Concrete Deck Panels

No.	Items	Yes	No	N/A
1	Panels checked for conformance?			
2	Erection of panels in accordance with working drawings?			
3	Attachments made by approved methods?			
4	Butt joints between panels caulked to prevent grout leakage?			

Reinforcing Steel

No.	Items	Yes	No	N/A
1	Bars proper size, length, grade, and epoxy coated as required?			
2	Proper number and spacing of bars?			
3	Proper procedures followed for field bending or cutting of bars?			
4	If cut, epoxy bar ends coated with approved material?			
5	Does reinforcement have required clearance or depth of cover from surface of concrete?			
6	Mechanical bar splices appropriate length for size and type of bar?			
7	Supports and ties plastic or epoxy coated as required?			
8	Bars tied at intersections or as required?			
9	Upper mat of re-steel bars tied properly to lower mat?			
10	Chairs and slab bolsters at proper location and spacing?			
11	Bar splices correctly staggered?			

BRIDGE DECK CHECKLIST CON'T

No.	Items	Yes	No	N/A
12	Bar placement, clearance, and tying checked?			
13	All bars clean and free of oil, dirt, and rust?			
*	**HOLD POINT**			

Pre-Pour Activity Meeting

No.	Items	Yes	No	N/A
1	Trial run of finishing machine performed to test for deck thickness and grade?			
2	Procedures reviewed for placing concrete?			
3	Procedures reviewed for finishing and curing concrete?			
4	Emergency plan in place for header?			

Concrete Placing and Curing

No.	Items	Yes	No	N/A
1	Concrete mix design and class to be used are correct and approved for the			
2	Reinforcing steel checked and approved prior to concrete placement?			
3	Construction joints cleaned?			
4	Does ambient temperature for placing concrete meet specifications?			
5	Information on the concrete batch ticket indicates conformance with mix design and specifications?			
6	Does concrete temperature at placement meet specifications?			
7	Designated pathway has been established for concrete crew to eliminate mud,debris, and other material to get tracked on deck?			
8	Formwork prewetted to surface saturated condition without free standing water prior to concrete placement?			
9	Concrete placed continuously at minimum rate of pour?			
10	Concrete placed to avoid segregation?			
11	Vibrators providing adequate consolidation?			
12	Concrete checked for thickness and level during pour?			
13	Proper finishing methods performed?			
14	Finish true to design grade, camber, and cross-section?			
15	Excess concrete is being removed from exposed barrier resteel?			
16	Proper curing method performed?			
17	Approved curing compound applied at proper rate?			
18	Curing compound applied just after texturing?			
19	Burlap is presoaked?			
20	Wet burlap applied right after cure has dried?			
21	Continued wet cured for 7 days and 3000 psi concrete obtained?			
22	Deck washed and concrete sealer applied after curing compound dissipated?			

Bridge Deck Summary

No.	Items	Yes	No	N/A
1	Were the materials tested at the required frequency?			
2	Did this work meet the project specifications?			

Comments: _____

_____

_____

_____

QC Signature: _____

SECTION 613 PAVEMENT REPAIR CHECKLIST

Project: _____
Route: _____
Date: _____
Contractor: _____
Item: _____

Materials				
No.	Items	Yes	No	N/A
1	Do all materials meet specification and is proper documentation supplied to MoDOT?			

Full Depth Pavement Repair				
No.	Items	Yes	No	N/A
1	Was all material taken out of the repaired area recycled or disposed of in accordance with this section? This may require			
2	Was subgrade and aggregate base replaced and/or compacted to the satisfaction of the Engineer?			
3	Were all tie bars and dowel bars installed properly?			
*	**HOLD POINT**			
4	Was a MoDOT approved "pavement repair" mix used, and did test results yield specification compliant concrete?			
5	Was the pavement repair concrete in accordance with Sections 501 and 502 ?			
6	Did the repaired area meet smoothness and surface variation requirements?			

Full Depth Pavement Repair Summary				
No.	Items	Yes	No	N/A
1	Were the materials tested at the required frequency?			
2	Did this work meet the project specifications?			

Comments: _____

_____

_____

_____

_____

_____

QC Signature: _____

SECTION 616 TEMPORARY TRAFFIC CONTROL CHECKLIST

Project: _____
Route: _____
Date: _____
Contractor: _____
Item: _____

Standard Plans: 616.10X, 903.03X

Materials				
No.	Items	Yes	No	N/A
1	Do all materials meet specification and is proper documentation supplied to MoDOT?			
Temporary Traffic Control Devices and Flaggers				
No.	Items	Yes	No	N/A
1	Do all devices meet requirements for location, reflectivity, sight distance, plumbness & splicing?			
2	Are flaggers certified and wearing proper safety apparel?			
3	Was traffic control checked twice daily?			
Work Zone Lighting				
No.	Items	Yes	No	N/A
1	Do all construction related vehicles and equipment have USDOT approved warning lights?			
2	Does work area lighting provide adequate illumination and proper positioning?			
Changeable Message Signs				
No.	Items	Yes	No	N/A
1	Is the CMS in the appropriate location and displaying the correct message?			
Work Zone Traffic Signals				
No.	Items	Yes	No	N/A
1	Are the temporary work zone traffic signals in the proper locations and functioning properly?			

Comments: _____

_____

_____

_____

_____

_____

QC Digital Signature: _____

QA Inspections

* Process for QA to audit/monitor QC Inspections
* QA does not have a required "Inspection" frequency in the ITP
* QA inspections should be a minimum of 10% of QC's Inspections
* Types of Possible QA Inspections
  * QA can do an audit of a QC Checklist
  * This can be done daily at random and is intended to be while QC is filling it out
  * This is a check for QA to make sure the work is inspected and not just checked off of a list
  * QA should initial and date the QC Checklist next to items audited
  * QA can also fill out an independent Checklist if desired

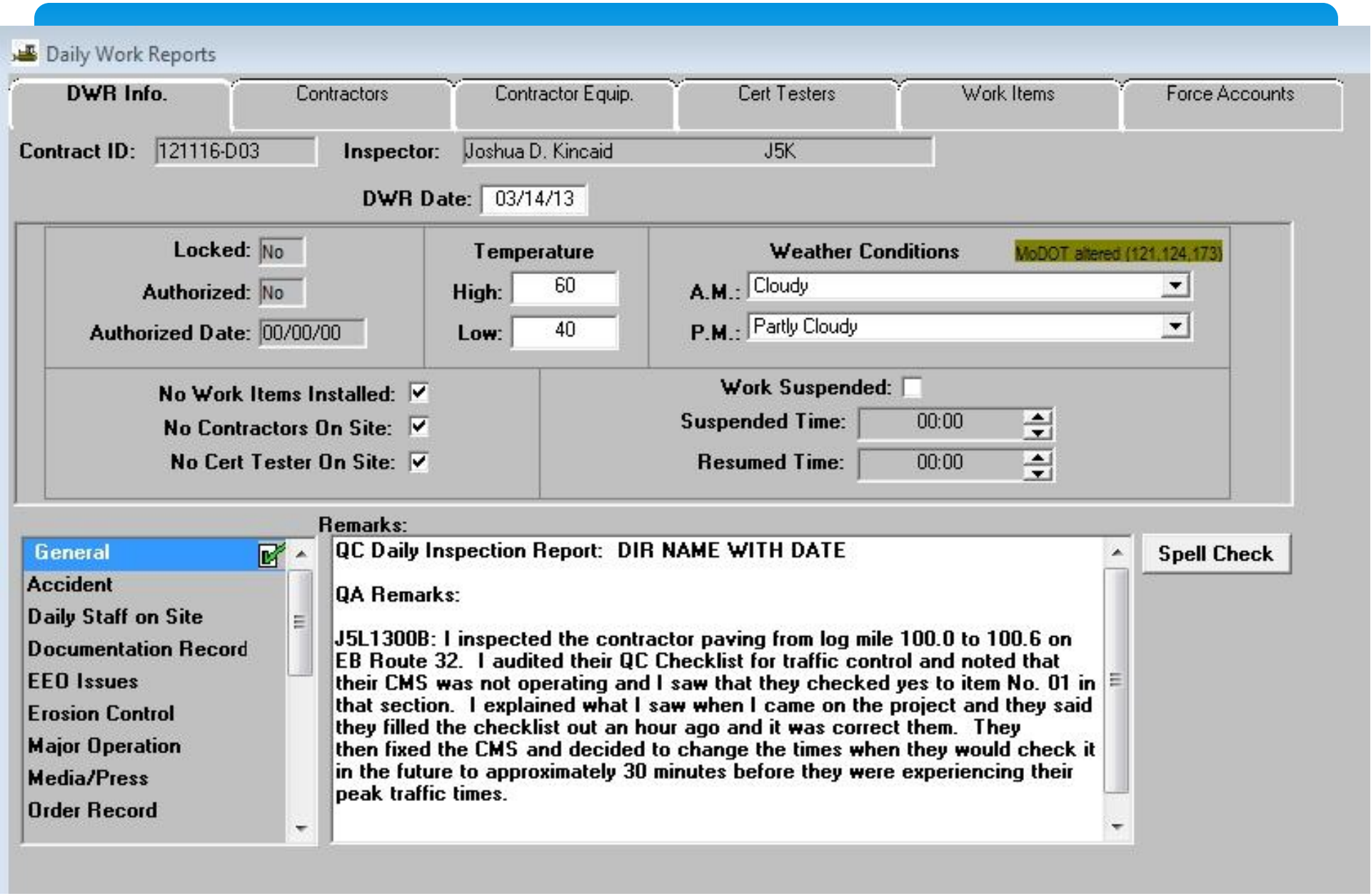
QC Daily Inspection Reports (DIR)

* Documents daily contractor activities
* Separate DIR's or separate documentation of installed quantities per project
* Subcontractor information should be included or have separate DIR
* MODOT will provide generic form for use
* Contractor can use their own form but it should have MODOT generic form information at a minimum
* Basic Information Needed
  * Project Conditions (weather, temperature, etc.)
  * General Remarks of the work taking place, where and by whom
  * Contractor personnel and equipment
  * Testers and tests performed
  * Installed work listed like the pay items with details and location descriptions as described in 2B Sheets and Contract Plans

QC DIR Form Example

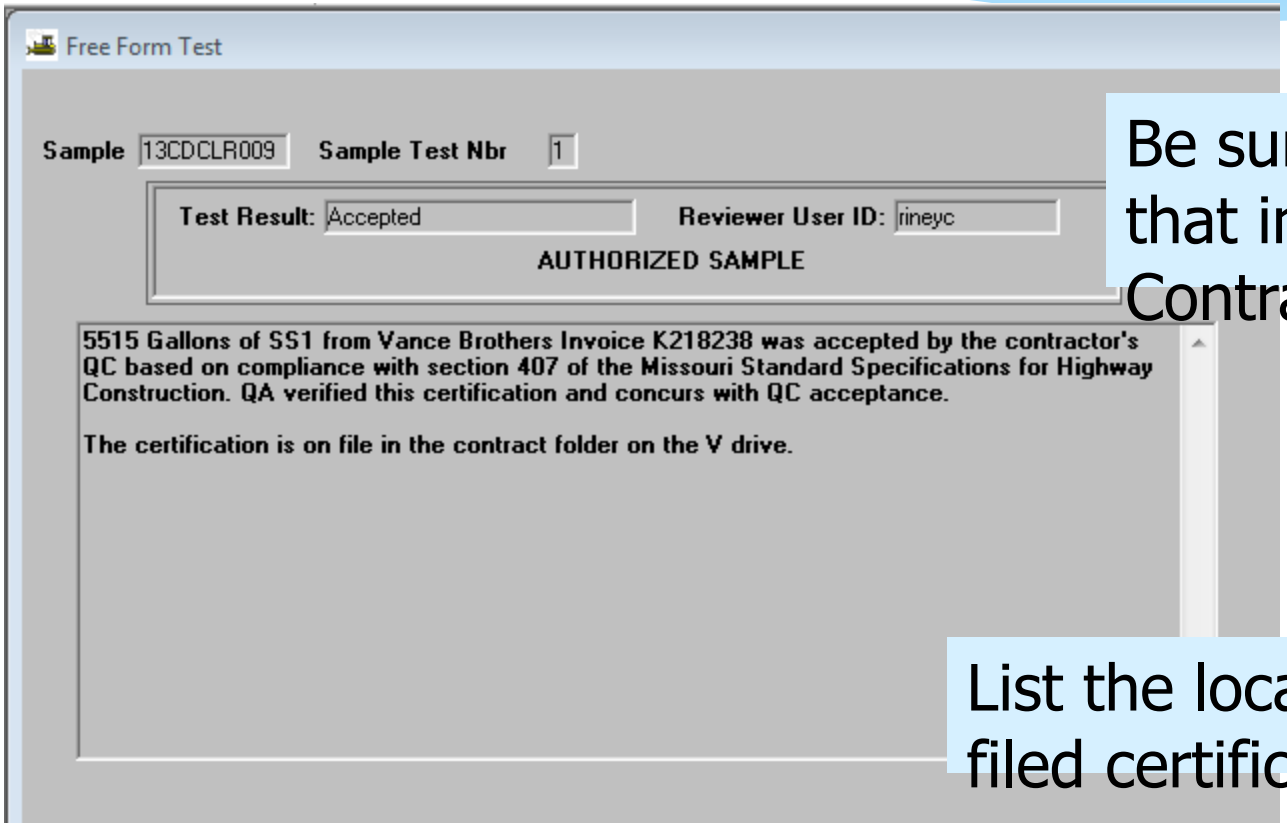
MODOT DWR's

* QA should still enter a daily DWR in SiteManager
* DWR's should reference not restate the remarks in the Contractors DIR
* The remarks should indicate QA inspection information separate from QC DIR Information
* Remarks about any QC documents should include a reference to that specific document
* QA is only required to measure items for pay that are required to be measured per specifications.
* The following DWR Tabs should be copied from the QC DIR:
  * Contractors (Personnel for Payroll Reports)
  * Contractor Equip (This is optional)
  * Cert Testers (QC and QA testers for that day)
  * Work Items (This produces details for payment documentation)


Daily Work Reports
DWR Info.
Contractors
Contractor Equip.
Cert Testers
Work Items
Force Accounts
Contract ID: 121116-D03
Inspector: Joshua D. Kincaid J5K
DWR Date: 03/14/13
Locked: No
Authorized: No
Authorized Date: 00/00/00
Temperature
High: 60
Low: 40
Weather Conditions
MoDOT altered (121,124,173)
A.M.: Cloudy
P.M.: Partly Cloudy
No Work Items Installed:
No Contractors On Site:
No Cert Tester On Site:
Work Suspended:
Suspended Time: 00:00
Resumed Time: 00:00
Remarks:
General
Accident
Daily Staff on Site
Documentation Record
EEO Issues
Erosion Control
Major Operation
Media/Press
Order Record
QC Daily Inspection Report: DIR NAME WITH DATE
QA Remarks:
J5L1300B: I inspected the contractor paving from log mile 100.0 to 100.6 on EB Route 32. I audited their QC Checklist for traffic control and noted that their CMS was not operating and I saw that they checked yes to item No. 01 in that section. I explained what I saw when I came on the project and they said they filled the checklist out an hour ago and it was correct them. They then fixed the CMS and decided to change the times when they would check it in the future to approximately 30 minutes before they were experiencing their peak traffic times.
Spell Check

Reporting of QC & QA Materials Testing

* QA will report all QC and QA tests
* QA will enter one report to satisfy the QC & QA test requirement in the ITP for items accepted on certification, PAL and items like tack.
* QA will supply templates and forms for QC to fill out
* QA needs to make a distinction in remarks as to whether the test is QC's or QA's and list the tester
* Examples can be provided for setting up contracts in SiteManager



Be sure to docum
that inspection is
Contractor QC

List the location of the
filed certification.

QC Daily Responsibilities

* Fill out and submit DIR's
* Check all materials received for quality and quantity
* Provide Materials Receiving Reports, Invoices & Certifications
* Do applicable testing based on ITP
* Provide test information based on MoDOT provided templates/forms
* Fill out checklists
* Provide detailed measurements in installed work portion of DIR
* Develop weekly/2 week schedules
* Hold Pre-activity meetings
* Communicate with QA regarding documentation, testing & Hold Points

QA Daily Responsibilities

* Enter DWR's
* Audit QC Documents in SharePoint prior to entering pay items
* Audit QC Checklists or fill out QA checklists
* Evaluate Hold Points when applicable
* Measure quantities for pay (that need to be)
* Do applicable testing based on ITP
* Check materials invoices, documentation and communicate with District Materials
* Enter Materials Reports (QC & QA)
* Communicate with QC regarding documentation, testing & Hold Points

Central District Inspection Guide

For MoDOT personnel it is located on the Central District Construction and Materials SharePoint Site.

Contractors will be provided a copy for use upon their request.

Where to find MoDOT provided ITP, Checklists & Forms

Missouri Department of Transportation - Internet Explorer provided by MoDOT

http://www.modot.org/

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- Contractor Resources
- Consultant Resources
- Become a MoDOT Vendor
- Standards & Specifications
- Local Public Agency
- Manuals
- Regulatory & Permit Services
- Small Business Regulatory Fairness Board(SBRFB)

Traveler Information Map

For weather-related road conditions and work zone locations, visit MoDOT's Traveler Information Map.

Tips for using the map

Text Report - Winter road conditions

Text Report - Road closures and delays

Links to surrounding states

Text Alerts - Sign Up Now!

Get Your Mobile Apps

Available on the iPhone App Store

Available on the Android Market

Rate Our Work Zone

Quick Links

- Report A Road Concern
- A Proposal for Missouri's Transportation Future
- Bidding Opportunities
- Motor Carrier Services
- Missouri "On The Move"

Major Projects

- Hurricane Deck Bridge
- Route 364 Project
- I-64 Daniel Boone Bridge
- Mississippi River Bridge

More...

Latest Statewide News

- Missouri Gets Spring Cleaning During No MOre Trash! Bash
- MoDOT at 100: Celebrating a Century of Service

Your Local MoDOT

http://www.modot.org/business/index.htm

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Business Home

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HOME >> BUSINESS >> BUSINESS HOME

Business with MoDOT

Like 2

American Recovery and Reinvestment Act Civil Rights Notice
Bidding on an ARRA project? Read this first!

Business with MoDOT covers a wide range of topics in an effort to provide information to those wishing to do business with the agency. Included in this section are standards and specifications, various manuals, bidding lists and results, motor-carrier details and consultant services.

MoDOT now accepting credit card payment NEW

Become a MoDOT Vendor

- Become a Prime Contractor
- Perform Subcontracting Work
- Obtain Plans
- Become A Material Provider

Contractor Resources

- Active Projects Directory
- External Civil Rights Disadvantaged Business Program
- MRCC Directory
- Policies, Lists and Specifications by Product Types
- Pre-Qualified and Pre-Accepted Product Listings
- Project History Maps
- New Product Qualification
- Bid Opening Info
- Bid Items Listing
- Notice of Intent to Perform Work
- Forms
- Lead Paint Activities NEW
- Technician Certification Program
- Electronic Design Files UPDATED
- Missouri Business Portal
- Land Disturbance Items NEW
- Pile Driving Set Calculator NEW
- Storm Water Pollution Prevention Plan (SWPPP)
- Contractor Pay Estimates NEW
- Quality Management NEW
- Safety Plan NEW

Standards and Specifications

- Specification Book for Highway Construction
- Standard Plans for Highway Construction
- End Terminals and Barrier Systems
- CADD Standards
- Job Special Provisions
- Quality Standards for Temporary Traffic Control Devices
- Specifications of Computer Deliverable Contract Plans
- Engineering Policy Standards Letters

Local Public Agency

- Local Public Agency
- Local Public Agency Manual

Manuals

- Engineering Policy Guide
- Construction & Materials
- MoDOT's Approach to Program Management (May 2007)

Surplus Equipment and Auctions

- MoDOT Auctions on GovDeals
- Realty for Sale
- MoDOT Auction Vendors
- Office of Administration Real Estate Services

Regulatory and Permit Services

- Motor Carrier Services

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Quality Management

MoDOT Sharepoint - Partner Sign In

SPECIAL NOTICE - Quality Management Training

Quality Managment Documents

MoDOT ITP Plan (03-18-2013) Excel Format
Sample Quality Management Plan Word Format

Checklists

ADA Checklist
ITS Checklist
MOT Lane Closure Checklist
QA Hold Points
Section 200 Checklist
Section 300 Checklist
Section 400 Checklist
Section 500 Checklist
Section 600 Checklist
Section 700 Checklist
Section 800 Checklist
Section 900 Checklist
Traffic Control Checklist

Forms

Absorption Worksheet
Compaction Test C709ND
Concrete Pour Card
Consensus Test
Daily Inspection Report
DCP Test
Embankment Monitoring
Gradation Worksheet
Land Disturbance Inspection Record
Materials Receiving Inspection Report
Materials Request for Transfer
Misc Concrete Placement Test Record

MoDOT Provided SharePoint

* To add a new Contract and Contractor Personnel to SharePoint QA will send an e-mail to Mike Meyerhoff with the Contract ID, names of contractor personnel and their respective e-mail addresses.

Quality Management

MoDOT Sharepoint - Partner Sign In

SPECIAL NOTICE - Quality Management Training

Quality Managment Documents

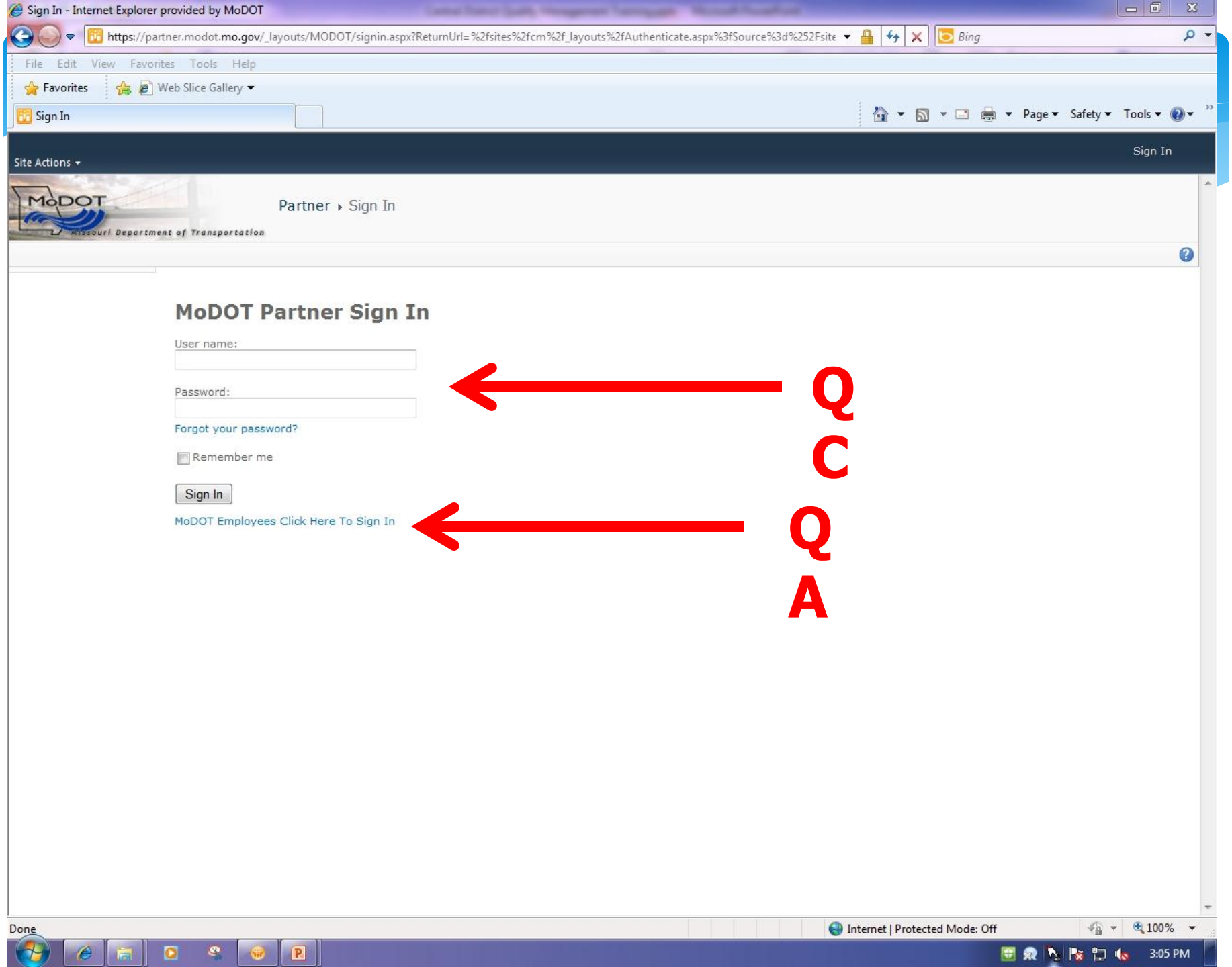
MoDOT ITP Plan (03-18-2013) Excel Format
Sample Quality Management Plan Word Format

Checklists

ADA Checklist
ITS Checklist
MOT Lane Closure Checklist
QA Hold Points
Section 200 Checklist
Section 300 Checklist
Section 400 Checklist
Section 500 Checklist
Section 600 Checklist
Section 700 Checklist
Section 800 Checklist
Section 900 Checklist
Traffic Control Checklist

Forms

Absorption Worksheet
Compaction Test C709ND
Concrete Pour Card
Consensus Test
Daily Inspection Report
DCP Test
Embankment Monitoring
Gradation Worksheet
Land Disturbance Inspection Record
Materials Receiving Inspection Report
Materials Request for Transfer
Misc Concrete Placement Test Record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https://partner.modot.mo.gov/_layouts/MODOT/signin.aspx?ReturnUrl=%2fsites%2fcm%2f_layouts%2fAuthenticate.aspx%3fSource%3d%252Fsite
Bing
File Edit View Favorites Tools Help
Favorites
Web Slice Gallery
Sign In
Page
Safety
Tools
Site Actions
Sign In
MoDOT
Missouri Department of Transportation
Partner ▸ Sign In
MoDOT Partner Sign In
User name:
Password:
Forgot your password?
Remember me
Sign In
MoDOT Employees Click Here To Sign In
Q
C
Q
A
Done
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3:05 PM

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https://partner.modot.mo.gov/sites/cm/SitePages/Home.aspx

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Joshua D. Kincaid

Missouri Department of Transportation

Construction Materials Division ▸ Home

Missouri Deptartment of Transportation's Construction and Materials Division

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Search this site...

Functions

Construction Contracts

Presentations

MoDOT's Website Links

Standard Specifications

Standard Plans

Engineering Policy Guide

Sharepoint Help and Instructions

CM Specific Sharepoint Help

CM Using Alerts QRG

Microsoft Sharepoint Training

MoDOT Internal Sharepoint Training (LMS)

Naming Conventions

All Site Content

nstruction and Materials Division

-External Sharepoint

Welcome to the Sharepoint site used by MoDOT's Construction and Materials division to collaborate with our industry partners.

David Ahlvers, P.E.

State Construction and Materials Engineer

Getting Started

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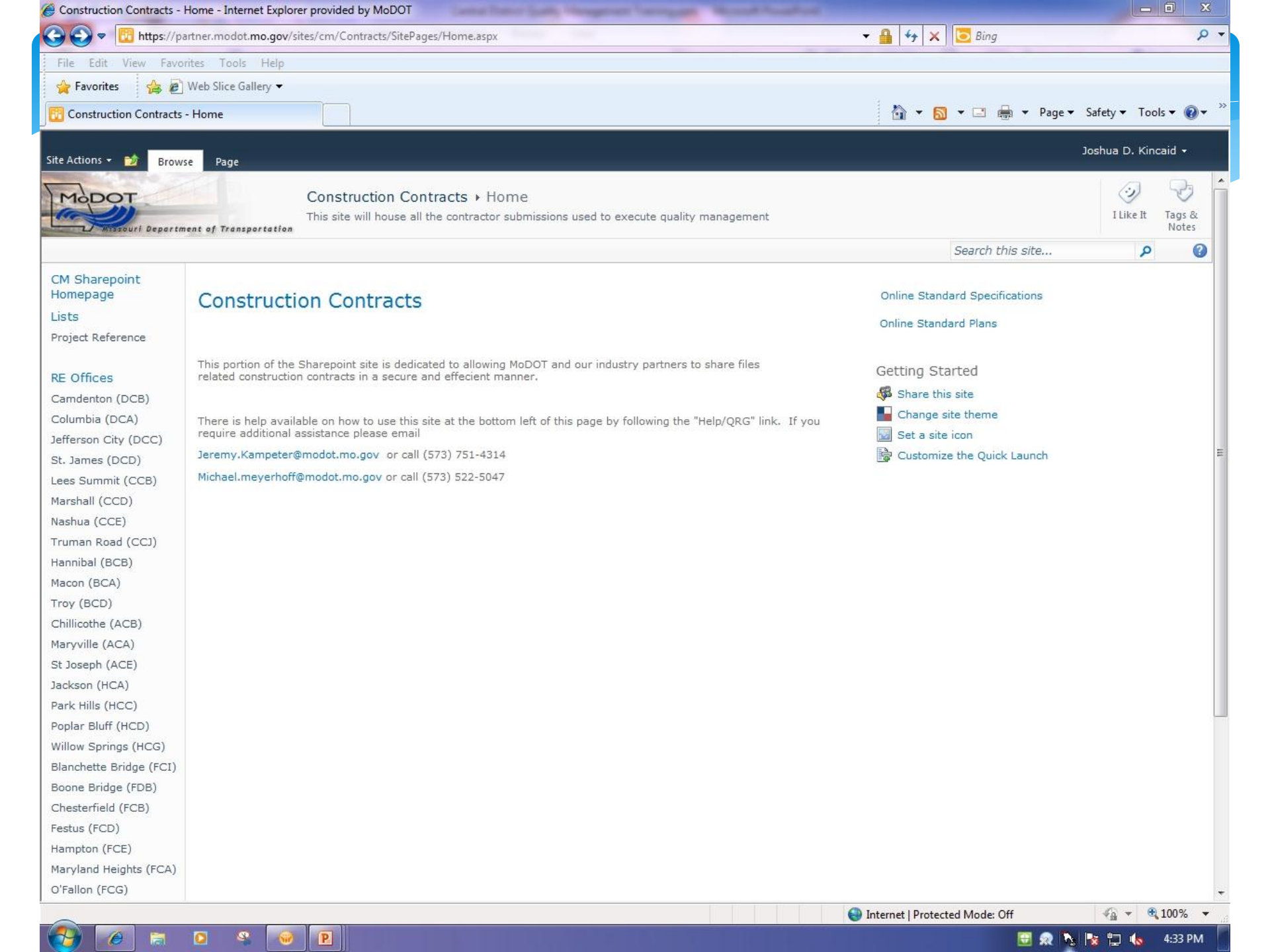
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Joshua D. Kincaid
Missouri Department of Transportation
Construction Contracts ▸ Home
This site will house all the contractor submissions used to execute quality management
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Marshall (CCD)
Nashua (CCE)
Truman Road (CCJ)
Hannibal (BCB)
Macon (BCA)
Troy (BCD)
Chillicothe (ACB)
Maryville (ACA)
St Joseph (ACE)
Jackson (HCA)
Park Hills (HCC)
Poplar Bluff (HCD)
Willow Springs (HCG)
Blanchette Bridge (FCI)
Boone Bridge (FDB)
Chesterfield (FCB)
Festus (FCD)
Hampton (FCE)
Maryland Heights (FCA)
O'Fallon (FCG)
Construction Contracts
This portion of the Sharepoint site is dedicated to allowing MoDOT and our industry partners to share files related construction contracts in a secure and effecient manner.
There is help available on how to use this site at the bottom left of this page by following the "Help/QRG" link. If you require additional assistance please email
Jeremy.Kampeter@modot.mo.gov or call (573) 751-4314
Michael.meyerhoff@modot.mo.gov or call (573) 522-5047
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Questions?

Email questions to:
Christina.Teter@modot.mo.gov

Quality Management Documents:
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