

Lane Closure System 2.0 Construction Focused

Virtual Training

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March 2022

Construction Focused Training

- This training is for current users with construction-related roles (let projects with impacts to an interstate, US and/or state highway) It will provide an overview of the new features of LCS 2.0 including requesting closures, modifying closures, searching/viewing closures, and accepting closures.
- This training will be recorded, the presentation and recording will be available on the WisDOT Work Zones webpage and on the WisLCS homepage.
- Please mute yourself. Enter questions in chat. We will try to answer all questions, if not, we will provide a FAQ afterwards.
- The training examples will be on the training site.
- Please participate in post training survey.



Training Dates – Construction Focused

• Tuesday, March 1, 2022 9:00am-11:00am

Microsoft Teams Webinar Or call in (audio only): +1 608-571-2209, 355799370# Phone Conference ID: 355 799 370#

Wednesday, March 2, 2022 1:00pm-3:00pm

Microsoft Teams Webinar Or call in (audio only): +1 608-571-2209, 465653137# Phone Conference ID: 465 653 137#

Monday, March 7, 2022 9:00am-11:00am

Microsoft Teams Webinar Or call in (audio only): +1 608-571-2209, 377830071# Phone Conference ID: 377 830 071#



Overview

- Presentation
 - Background on LCS 2.0 Project
 - Getting Started in LCS
 - Request Closures
 - Modify Closures
 - Search Closures
 - LCS Training Resources
- Break
- Examples in LCS Test Site
- Q&A



LCS 2.0 Project Objectives

- Incorporate lessons learned
- Streamline existing work-flows
- Improve interoperability with external systems
- Improve data quality and timeliness
- Support for modern platforms
- Update the 10-year old software platform



Background on LCS 2.0 Project What has changed?

- Home Page Options
- Mapping features
- Lane Diagram
- Priority/Non-Priority route map
- Auto Acceptance Rules
- User Roles





Getting Started in LCS

- Logging on: https://transportal.cee.wisc.edu/closures/
- LCS 2.0 will be rolled out March 15

Please enter your User ID and Password information. Welcome to the WisTransPortal. This system is maintained by the <u>Traffic Operations and Safety Laboratory</u> at the University of Wisconsin-Madison. Unauthorized access is strictly prohibited. User ID: Password: Login Forgot User ID or Password? User IDs and passwords are case sensitive. This site requires cookles. For help with your account send mail to transportal@topslab.wisc.edu or click on the links below for further information.	WisTra	ansPortal Login Form
Welcome to the WisTransPortal. This system is maintained by the <u>Traffic Operations and Safety Laboratory</u> at the University of Wisconsin-Madison. Unauthorized access is strictly prohibited. User ID: Password: Login Eorgot User ID or Password? User IDs and passwords are case sensitive. This site requires cookles. For help with your account send mail to ransportal@topslab.wisc.edu or click on the links below for further information.	Please enter yo	ur User ID and Password information.
User ID: Password: Login Eorgot User ID or Password? User IDs and passwords are case sensitive. This site requires cookles. For help with your account send mail to ransportal@topslab.wisc.edu or click on the links below for further information.	Welcome to the WisTransPortal. This sys the University of Wisconsin-Madison. Un	tem is maintained by the <u>Traffic Operations and Safety Laboratory</u> at authorized access is strictly prohibited.
User IDs and passwords are case sensitive. This site requires cookies. For help with your account send mail to ransportal@topslab.wisc.edu or click on the links below for further information.	User ID: Password:	Login Eorgot User ID or Password?
	User IDs and passwords are case sensiti transportal@topslab.wisc.edu or click or	ive. This site requires cookies. For help with your account send mail to h the links below for further information.





Wisconsin Traffic Operations and Safety Laboratory The WisTransPortal System

The WisTransPortal system serves the computing and data management needs of the <u>Wisconsin Traffic Operations and Safety (TOPS) Laboratory</u>. The project scope includes support for ITS data archiving, real-time traffic information services, transportation

Home > Web Applications > Closures Welcome, esilverson | Manage Account | Logout | Contact | Help Wisconsin Lane Closure System Home Services WISCONSIN Products DEPARTY Applications Documents Traffic Video OF TRP Resources Wisconsin Lane Closure System (WisLCS) Enter the Wisconsin Lane Closure System live site. New User - WisLCS Account Request Form Online form to request a Lane Closure System login account. WisLCS User Manual and Documentation WisLCS Quick Reference, User Manual, and other documentation. Lane Closure System Training Site Enter the WisLCS 2.0 Training site. **WisLCS Contact Information** WisDOT regional contacts and technical support.

Getting Started

- Roles
 - Standard User (Viewer)
 - Requestor
 - Limited Approver
 - Full Approver
 - Regional Manager
 - System Manager

	Lan	Training Site	stem	
select the User Ty	pe, User Role, Region,	and any optional Authori	zation flags, you would like	to use to log in under.
User Profile Region	User Role	User Type	Access flag	
User Profile RegionSelect	User Role	User Type	Access flag	~
User Profile RegionSelect	User Role	User Type	Access flag	`



LANE CLOSURE SYSTEM Home Projects Request Search Reports 511 Local Events User Preference - Help Contacts Manage Account Log Out

Transportal / Applications / WisLCS / Home

Red - closure past its Start Date

Orange - closure within 1 week

Violet - Any closure, 14 days or

more, past its End Date but not

Green - Active closure (between

its Start & End Dates)

Black - Normal/Default

Home Page

My Closures

& Time

of its Start Date

yet Completed

Description Standard Limited Requestor Regional System & Full User Manager Manager (Viewer) Approver This section will display any current х Х Х Х Messages Х messages. High priority messages will be marked with an! icon. **Closures Needing** Х Х Displayed on Approver and Regional Acceptance Managers profiles only. Lists closures the user can accept. х Allowable Lane Displayed on Regional Managers profile Closure Hours only. Lists closures which the user can Needing Acceptance accept. My Closures Any closure where the user or their Team is Х Х• Х part of the closure history (e.g., entered, accepted, modified, etc.). A closure will remain in this section until that closure is either deleted, or until after it has been completed/ cancelled status for three days. Х Х Х Х Bookmarked Shows closures which the user has Х bookmarked Closures

* If user has Emergency Closure access flag, this section will show up on Home page.



Getting Started

• User Types

- Construction
- Maintenance

Permit

Closure Type

- Construction
- Maintenance
- Permit

Special Event

Emergency flagged

Getting Started

Example Events	User Type
Construction Company to perform construction project on state highway	Construction
County Highway Dept to perform maintenance work on state highway	Maintenance
City/town/village to close state highway for Special event	Permit*
(race, parade, etc.)	
City/town/village to perform maintenance work on state highway	Maintenance
(connected highway)	
City/town/village to perform construction project on state highway	Construction
(connected highway)	
Utility Company to conduct utility work on state highway	Permit

*If entering a special event, first choose permit as a user type and then special event as closure type.



Requesting a Closure

• Timeline for entering closures

CLOSURE TYPE AND REQUIRED MINIMUM ADVANCE NOTIFICATION	N
Closure type <u>with</u> height, weight, or width restrictions (available width, all lanes in one direction <16')	MINIMUM NOTIFICATION
Lane and shoulder closures	7 calendar days
Full roadway closures	7 calendar days
Full Ramp closures	7 calendar days
Detours	7 calendar days
Closure type <u>without</u> height, weight, or width restrictions (available width, all lanes in one direction ≥16')	MINIMUM NOTIFICATION
Lane and shoulder closures	3 business days
Ramp closures	3 business days
Modifying all closure types	3 business days





Projects Tab

LANE CLOSURE SYSTEM Home Projects Request Search Reports 511 Local Events User Preference - Admin - Help Contacts

Transportal / Applications / WisLCS / Home

	Please select a Project ID
Project ID:	Project ID
	Continue

- Project information is auto-populated but can be edited.
- TMP ID cannot be edited.
- All members of the Requestor Team must be listed in order to make a closure request

		Project In	formation	Edit
Project ID: General Desce Wausau - M County Line Lincoln Cour TMP ID:	1176-22-72 ription: errill Marathon To Cth K, Sb USH 051, nty LINCOLN	Primary Contact: Prime Contractor: Emergency Traffic Control Contractor: Law Enforcement:	Cara Abts Cara Abts Cara Abts	(715) 459-4788 (715) 459-4788 (715) 459-4788
Requestor T Bucky Cara A	Team Badger (bbadger) bts (dotcla)	Other Contact: Detours Detour	Info	



Allowable Hours

Selected: 05/02/2022	to 06/30/2022 (-16 Days)			Closu	re Begin & En	d Time:	
< MAY 20 SU MO TU WE 1 2 3 4 8 9 10 11 15 16 17 18 22 23 24 25 29 30 31	122 14 FR SA SU MO 5 6 7 12 13 14 5 6 19 20 21 12 13 26 27 28 19 20 26 27	JUNE 2022 TU WE TH 1 2 7 8 9 14 15 16 21 22 23 28 29 30	> FR SA 3 4 10 11 17 18 24 25	Start: End: Durati	06:00 AM 08:00 PM ion Type: Daily ? Veekly ? Continuous ?	 Bulk Exclude: Sunday Monday Tuesday Wednesday Thursday Friday Scaturday 	Schedule Closure Daily from 05/02/2022 to 06/30/2022, 06:00 AM - 08:00 PM, M , , Th , F (excluding Sun , Sat) • 05/27/2022 12:00 PM-11:59 PM Memorial Day Restriction • 05/30/2022 12:00 AM-11:59 PM Memorial Day Restriction
Exclude Dates Be	gin & End Time					- Saturday	
05/27/2022:	12:00 PM	~	11:59 PM	~	Memorial D	ay Restriction	
05/30/2022:	12:00 AM	~	11:59 PM	~	Memorial D	ay Restriction	
Click on individua	I calendar dates to e	exclude the	m			11	
				R	leset Close	Save Changes	

Auto Acceptance

- Settings can be viewed in the User Preference Menu
- For Construction closures, allowable hours will be auto accepted
- For Maintenance closures, auto acceptance is Region specific



LANE CLOSURE SYSTEM Home Projects Request Search Reports 511 Local Events User Preference - Help Contacts Manage Account Log Out

Transportal / Applications / WisLCS / Home

Requesting a Closure

Go to Request Tab
 Select Region & Closure Type
 Select Project ID

	Re	quest	
Please selec	t the closur	re you would like to request.	
Region:		Closure Type:	
Select	٠	Select	¢
	Create Ne	wCancel	

1100-00-73	Primary Contact:	Tom Boyke	(414) 750-0790
Deck Overlay	Prime Contractor:	x	(414) 750-0790
Milwaukee - Fond du Lac Kohlsville River	Emergency Traffic Control	Y	(414) 750-0790
Bridge I 41 WASHINGTON	Contractor:		
	Law Enforcement:	X	Phone Number
	Other Contact:	Υ	Phone Number
	1100-00-73 Deck Overlay Milwaukee - Fond du Lac Kohlsville River Bridge I 41 WASHINGTON	1100-00-73 Primary Contact: Deck Overlay Prime Contractor: Milwaukee - Fond du Lac Kohlsville River Bridge 1 41 WASHINGTON Emergency Traffic Control Contractor: Law Enforcement: Other Contact:	1100-00-73 Primary Contact: Tom Boyke Deck Overlay Prime Contractor: X Milwaukee - Fond du Lac Kohlsville River Bridge 1 41 WASHINGTON Prime Contractor: Y Law Enforcement: X Other Contact: Y

ction Clocure General Section



Work Types - Construction

- Barrier Wall Work
- Beam Launching/Setting
 Erosion Control
- Bridge Work
- Cable Guard Work
- Clearing & Grubbing
- Crack Fill
- Culvert Work
- Curb ramp replacement/installation

Deck Overlay

- Deck Replacement
- Guard Rail Work
- Inlet Work
- Joint Work
- Lighting Work
- Milling Operation
- Patching
- Pavement Marking Work
 Water Main Utilities
- Pavement Work

- Paving Operation
- Railroad Work
- Shoulder Work
- Sign Installation
- Sign Base Installation
- Signal Base Installation
- Soil Boring
- Survey Work
- Other

- Attenuator Work
- Barrier Wall Work
- Bridge Inspections
- Bridge Repair
- Bridge Sweeping
- Bridge Work
- Bump Grinding
- Cable Guard Work
- Clearing, Grubbing & Tree Removal
- Crack Fill

Work Types - Maintenance

- Crash/Spill Cleanup
- Culvert Work
- Curb Work
- Delayed Recovery
- Ditch Work
- Drainage Work
- Fence Work
- Guard Rail Work
- ITS Work
- Inlet Work
- Joint Work

- Lighting Work
- Merrimac Ferry Maintenance
- Paint Testing
- Patching Work
- Pavement Markings
- Pavement Repair (Concrete or Asphalt)
- Paving
- Poly/Mud Jacking
- Railroad Work

- Ramp Gate/Ramp Meter Work
- Retaining Wall Repair
- Shoulder Work
- Sign/Sign Bridge Inspection
- Snow Removal
- Soil Boring
- Surveying
- Traffic Signal Work
- Water Main Work
- Other



Work Types – Permit

- Asbestos Bridge Survey
- Borings
- Cable Work
- Duct Installation
- Electrical Work
- Fiber Work
- Gas Line Repair
- Gas Main Work

- Infrared Thermography
- Sanitary Work
- Surveying
- Trenching
- Utility Work
- Water Main Work
- Wetland Delineation
- Other



Work Types – Special Event

- Car Show
- Festival
- Parade
- Procession
- Race
- Other



Work Types - Emergency

- Barrier Wall Repair
- Bridge Hit
- Bridge Repair
- Bump Grinding
- Cable Guard Repair
- Clearing, Grubbing & Tree Lighting Repair Removal
- Crash Cleanup
- Culvert Repair
- Drainage Repair



- Fiber Repair
- Flooding
- Gas Main Repair
- Guard Rail Repair
- ITS Repair
- Patch Work
- Pavement Buckle
- Pavement Heave Repair

- Pavement Marking Repair
- Pavement Repair
- Sewer Repair
- Shoulder Repair
- Traffic Signal Repair
- Utility Service Repair
- Washout Repair
- Water Main Repair
- Other

Requesting a Clo

- 1. Select the facility type
- 2. Enter the schedule informat
- 3. Enter the roadway status ar diagram Information
- 4. Enter the highway location information

1564646546

Surveying

202797 | Permit | Draft

Permit Number

Permit Type:

Add Facility

Other:

5. Enter restrictions and/or det routes limit

Primary Contact:

Prime Contractor:

Law Enforcement: Other Contact:

Contractor:

Emergency Traffic Control

			Add I	Facility	
NI (Facility Type:Select		0	Schedule Closure	
closure	Roadway Status: Lane or Shou	ulder Closure	۵	Left Lane Shoulder	Lane Right Shoulder
rmation	Add Location Begin County: End County:	H	wy:	La Denis	
us and/or lane	Begin Location:	E	nd Location:		mating of
	Distance From: Direction From:	D	istance From:		Alter -
tion	Latitude: Longitude:	L	atitude:		
	Width Restrictions	Ve	rtical Restrictions	Weight Restrictions	Speed Restrictions
r detour	Width Restrictions?	Vertical I	Restrictions?	Weight Restrictions?	Speed Reduction?
	Restriction Type:	Minimur	ft in	Maximum Vehicle Weight:	Reduced Regularatory Speed:
Add Facility Joshua Falk (falkster16) Edit General	Available Roadway Width:	Tempora	ry Signalization: o		
(414) 987-7415 Erin Schoon (123) 645-6974	Effective Roadway Width:				
Chris Mills (156) 984-6511	Signed Detour No Available	۰	Detour Route Info	Addition	nal Information
Cancel Request Save as Draft			Save	Cancel	

Requesting a Closure

Closure Duration Types

- Daily occurs on a recurring daily or nightly basis. The closure is active for only part of each day.
- Weekly typically a few days per week, but on a recurring basis.
- Continuous a 24-hour work zone typically lasting more than one week, starting on the Begin Date and Time, and ending on the End Date and Time.

Pick Closure Dates

<		API	RIL 20)22					MA	Y 202	22	
SU	MO	TU	WE	TH	FR	SA	SU	MO	τu	WE	TH	FR
					1	2	1	2	3	4	5	6
3	4	5	6	7	8	9	8	9	10	11	12	13
10	11	12	13	14	15	16	15	16	17	18	19	20
17	18	19	20	21	22	23	22	23	24	25	26	27
24	25	26	27	28	29	30	29	30	31			

Closure Begin & End Time:

Start.	00.00 AM	•
End:	04:30 PM	~
Durati D W V	on Type: aily ? /eekly ? ontinuous ?	

×

~

Exclude Dates Begin & End Time

05/28/2022:	12:00 AM	~	11:59 PM	~
05/29/2022:	12:00 AM	~	11:59 PM	~
05/30/2022:	12:00 AM	~	06:00 AM	~

Memorial Day	1.
Memorial Day	1.
Memorial Day	1.

Click on individual calendar dates to exclude them





Requesting a Closure

- Lane Details
 - Intersections
 - Non-intersections
 - Various Lanes Closed
 - Entrance Ramp
 - Exit Ramp
 - System Interchange









Example #2







Example #6

One Lane Road Stop Condition

Roadway Status:	Select	٥
	Select	
Add Location	Full Closure Lane or Shoulder Closure	
Begin County:	One Lane Road Temporary Signal	
End County:	One Lane Road Stop Condition Moving Lane Closure	
	Rolling Full Closure	





LANE CLOSURE WITH STOP SIGNS TWO-LANE, TWO-WAY ROAD









- Various Lanes Closed
 - "Various times closed" checkbox should only be checked if user does not know what time the lane closures will occur.







Requesting a Closure



Lane Detail Scenarios

• Entrance Ramp

			Add Lo	cation					×
Intranc	e Ramp		Facility	Type: R	ight Entrance Ram	ıp	^ +		
Piah	t lang and sh	ouldo	Begin (County:	DANE	√ ≑			Select Begin Landmark:
- Nigh		IUUIUE	End Co	unty:	DANE	\$	E	131	ON RAMP FROM WIS 19 WB
CIOSE	be		Highwa	iy:	I-90 WB	\$	BE		OFF RAMP TO WIS 19 EB
			Landma	ark:	100110				ON RAMP FROM US 51 SB
			Distanc	e From:	0.0				delete Marker
	Left Lane Lane	Right			miles				
	Shldr.	Shldr.	Directio	on From:		\$	19		Sector Sector
	▲ →	\sim	Latitud	2:					The second secon
		\sim	Longitu	ide :					
	Open Open Closed	Closed							
							•		
								Confirm Cancel Reset	
in so				<u>P</u>	?				

Lane Detail Scenarios

Add Location



• System Interchange

landmarks



Requesting a Closure



- US 61/WIS 35, between south of Lancaster and Dickeyville
- US 151, between Dickeyville and Platteville
- WIS 80/WIS 81 within Platteville



Requesting a Closure

Replicate Facilities

- Take an existing closure and facility and click "Replicate"
- "As-Is" copies the facility exactly and user can adjust
- "In-Opposite-Direction" changes the direction to other side of roadway. User can adjust afterwards







Weekly from 02/08/2022 to 02/23/2022, 08:30

Altoon

Modifying a Closure





Copying a Closure





Edit

Submitting a Closure

Left Lane Shldr.	Lane Right Shldr.				
Begin County:	COLUMBIA	Hwy:	I-39 NB		
End County:	COLUMBIA			-	Joseph Talanta
Begin Location:	ON RAMP FROM REST AREA	End Location:	WISCONSIN RIVER 11 (B-11-		VIE'S
Distance From:	0.48		0023- END)		ON March
Direction From:	Upstream	Distance From:	0.01		
Latitude:	43.434902976	Direction From:	Upstream		Conversion of the second
Longitude:	-89.484511853	Latitude:	43.450310135	Y H	X South
		-		25 6	
Width Restr	ictions	Vertical Restriction	ns Weight	Restrictions	Speed Restrictions
Width Restrictions	? Ve No	rtical Restrictions?	Weight Restric	tions?	Speed Reduction?
Restriction Type:	Mi	nimum Vertical Distan	ce: Maximum Veh	icle Weight:	Reduced Regularatory Speed:
Available Roadway	Width: Ter	mporary Signalization	:		
Effective Roadway	Width:				
Signed Detour Avai	ilable No	Detour Rout	e Info	Additiona	I Information

Self Accept Closure

Add Facility

Cancel Request Save as Doft Submit Close

Successfully Submitted	×
Success!	
	Close

OFFINAMIN SCONSIN	ŔŶ	Ś		, Å 7

OF TRA

Viewing Closures on Home Page

essages	1				
test					
Closu	res Col	lapse All Exp	and All		
202358 - ((12345) Ga	Utility - <mark>Ent</mark> as Main Wo	ered Priority ork	/ Rdwy		View
Facility ID	Hwy	B/E County	Facility Type	Description	Duration
1	I-90 EB	DANE/DANE	Right Exit Ramp	Lane or Shoulder Closure fror 13-0091- BEGIN)	m WIS 19 (B- Daily from 01/14/2022 to 01/14/2022, 06:00 AM - 09:00 AM, F
202359 - 5 Car Show	Special Eve	nt - Entered	Priority Rdwy		View
Facility ID	Hwy	B/E County	Facili Type	ty Description	Duration
1	US 53 SB	LA CROSSE/I CROSSE	.A Mainl	Full Closure from CLIN CASS ST	ITON ST to Daily from 09/24/2022 to 09/24/2022, 06:00 AM - 05:00 PM, Sat
2	US 53 SB	LA CROSSE/I CROSSE	.A Mainl	ine Full Closure from CLIN CASS ST	ITON ST to Daily from 09/24/2022 to 09/24/2022, 06:00 AM - 05:00 PM, Sat



Search

Search Closures			
Closure Type Construction, Maintenance	Region County County Highway Highway Duration Type Duration Type Begin Date 02/10/2022 End Date mm/dd/yyyy Search Reset	Project ID Project ID Closure ID ⑦ Project ID and Closure ID entries override ALL other search selections. Entered By Entered By	Overlapping Closures Select a closure 202664 (1) 202734 (3) Original Discord (1) Closure ID: 202734 (3) Closure ID: 202734 (3) Closure Status: Entered Recility Type: Mainline Begin County: DANE Highway: US 14 EB Closure Length: 4.36 Miles Duration: Daily from 03/21/2022, 03/21/2022, 08/30 AM - 03:00 PM, M
xi & 🚍			Tenny Band A





Accepting/Rejecting a Closure

	User Type				Us Reg	ser gion	Acceptance Authority		
User Roles	Maintenance	Permit	Construction	All Types	One	ALL	Full	Limited	No
Standard User (Viewer)				x	x	x			x
Requestor	x	x	x		x				x
Limited Approver	x	х	x		x			x	
Full Approver	x	х	x	x	x		x	x	
Regional Manager	x	x	x	x	x		x	x	
System Manager***	x	x	х	x	x	x	x	x	

*** can assign acceptance authority and administrative privileges



Accepting a Closure

Accept	Accept Closure	×
ect		
e	Are you sure you want to accept this closure?	
nark	(optional comment)	
Closure		_
re Map	Yes, Accept Clos	е





Features in Progress

- Reports feature
- Subscription Emails
- 511 Local Projects
- CSV Download

Most are sent or	Email Sub All emails here a nce per day. The LCS Report e Please select the ones you	Discription re digest emails. email can also be received on a Weekly basis. are interested in receiving.
LCS Report Choose Region/County: Closure Type(s):	Region/County * Closure Type *	(Suggested for Approvers) Email me when Emergency Closure entered in my region. Email me when a Pending Change needs to me accepted. Email me when a closure starting within 72 hours is entered.
Daily or Weekly?	Daily Weekly	(Suggested for Requesters) Email me when a closure I entered is accepted/rejected. Email me when a Pending Change I entered is accepted/rejected.
Other email addresses to send the LCS Report to:	Other email addresses	Cancel



Training Resources

- LCS Homepage
 - https://transportal.cee.wisc.edu/closures/
- User Manual and Recorded Trainings
 - To be posted after trainings
- LCS Training Site "sandbox"
 - For users to learn, practice and test closures





Help

- Technical Support, User Account and Issues Entering Closure Requests: wislcs@topslab.wisc.edu
- Additional information about LCS: <u>erin.schwark@dot.wi.gov</u> or <u>sparker@wisc.edu</u>
- Other questions about LCS usage: Regional Contacts from the contacts website: <u>https://transportal.cee.wisc.edu/closures/contact.html</u>



Live Examples

- How to Log In to LCS
- How to Enter a Project
- How to Enter a Closure Request
- How to Search for a Lane Closure



Take a Break!

• Will resume in 5 minutes



