January 15, 2023

KANSAS DEPARTMENT OF TRANSPORTATION

STORMWATER MANAGEMENT PLAN

Permit(s) Effective: December 1, 2019 to November 30, 2024

Submitted by
Greg Schieber
Interim State Transportation Engineer

Applicable Permits:

Kansas City: M-KS27-SU01
Lawrence: M-KS31-SU02
Topeka: M-KS72-SU02
Manhattan: M-KS38-SU01
St. Joseph: M-MO05-SU01
Wichita: M-AR94-SU02

Kansas Department of Transportation

Dwight D. Eisenhower State Office Building
700 S.W. Harrison Street
Topeka, KS 66603-3745

Kansas
Department of Transportation
Bureau of Maintenance

Phone: 785-296-3576
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kdot#publicinfo@ks.gov
http://www.ksdot.org

Calvin Reed, Interim Secretary
Robert Fuller, Chief, Bureau of Maintenance
Laura Kelly, Governor

January 15, 2023

Kansas Department of Health and Environment
Bureau of Water/Municipal Programs Unit
1000 SW Jackson St., Suite 420
Topeka, KS 66612-1367

To Whom It May Concern:

Please find included in this submittal, the 2022 Annual Report and Stormwater Management Plan (SMP) prepared in compliance with the requirements of the following Municipal Separate Storm Sewer System (MS4) permits issued by the Kansas Department of Health and Environment (KDHE):

- M-KS27-SU01, Kansas City Urbanized Area
- M-KS31-SU02, Lawrence Urbanized Area
- M-KS72-SU02, Topeka Urbanized Area
- M-KS38-SN01, Manhattan Urbanized Area
- M-AR94-SU02, Wichita Urbanized Area
- M-MO05-SU01, St. Joseph Urbanized Area

All activities completed during this reporting period towards implementation of Best Management Practices (BMPs) and progress towards Measurable Goals (MGs) are identified and documented in KDOT's 2022 SMP. Note that documentation unique to a respective urbanized area is identified in the SMP; otherwise, the activities and documentation apply across all urbanized areas.

The Point Total summaries document the BMPs and MGs per each Minimum Control Measure (MCM). If applicable to KDOT, each BMP includes a reference tying back to the measurable goal. A table is included at the bottom of each Point Total summary that documents the available, required, and claimed points per MCM. The 2022 SMP documents BMPs that KDOT claimed per each MCM for the 2022 permit year. Each BMP includes a description of the practice, as well as MGs to identify progress towards achieving the purpose of the BMP. The report is formatted such that each claimed BMP includes a description of the actions KDOT is taking to implement the goal. Outside of the SMP, KDOT maintains supporting documents for each BMP. While these supporting documents are not included as part of this package, they are available upon request.

This approach provides a thorough and continuous review of KDOT's SMP by actively using the document for MS4 compliance. The Effectiveness Report for the calendar year 2022 is also included in the documentation. Please advise if additional information is needed regarding the documentation presented for the 2022 Annual Report period.

Sincerely,

Robert Fuller, Chief
Bureau of Maintenance
Kansas Department of Transportation

MEMO

Kansas
Department of Transportation

Eisenhower State Office Building
700 S.W. Harrison Street
Topeka, KS 66603-3745
kdot#publicinfo@ks.gov
http://www.ksdot.org

DATE: December 14, 2022
TO: Kansas Department of Health & Environment
FROM: Kansas Department of Transportation, MS4 Permit Compliance Team RAF
RE: Report on Effectiveness of Source Controls and Structural BMPs to Attenuate Pollutant Discharge and Achieve the Measurable Goals

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The purpose of this memorandum is to fulfill the requirements of Kansas Permit No(s). M-KS-27-SU01, M-KS31-SU02, M-KS72-SU02, M-KS38-SU01, M-MO05-SU01, M-AR94-SU02, Part IV.E. This requires KDOT to provide a report that includes the following information:

- Statement of effectiveness of source controls and structural BMPs to attenuate pollutant discharge and achieve the measurable goals.
- Summarize water quality data from in-stream monitoring sites (not required by KDOT effective permit).

KDOT will implement Stormwater Control Measures (SCM) per the requirements of Part I.C.5, and as described in KDOT's effective SCM manual. This will evaluate opportunities for SCM implementation, consisting of both structural and non-structural BMP options, within existing KDOT maintained right-of-way within the urbanized area as described in the effective permit. The adjoining land is managed by other jurisdictions, under a separate permitting authority. KDOT only has jurisdiction within the limits of its right-of-way to build, operate, and maintain SCMs. This implementation achieves the measurable goals as defined in the effective permit(s) for Minimum Control Measure 5.

Surface water monitoring and reporting is not required of KDOT, as stated in Part II of the effective permits. KDOT is meeting TMDL measurable goals to the maximum extent practicable through implementation of SCMs as part of KDOT projects within the permit areas, over a period of time.

In addition, KDOT will continue to implement temporary source controls to achieve the measurable goals as defined in the effective permit(s) for Minimum Control Measure 4. This includes developing an erosion and sediment control plan for projects disturbing 1 acre or more of land, development and use of an erosion and sediment control manual, procedures for inspections of construction sites, and training on SWP2 requirements and BMP implementation.

MCM1: Public Education and Outreach

KDOT has implemented a public education and outreach program to inform the public about stormwater management and the importance of reducing pollutants in MS4 areas.

Reference Table 1.1 below for a list of available BMPs for implementation and their respective descriptions per KDOT's MS4 permit.

Table 1.1 - Available BMPs

Lbmp P Ed&O	KDOT Applicability		Description
	Existing	Future	
01	Yes	Yes	Maintain a stormwater webpage
02	Yes	Yes	Distribute educational materials addressing stormwater
03	No	No	Provide training or educational materials to permittee identified businesses
04	No	No	Apply "No Dumping – Drains to River" message, or similar, on stormwater inlets
05	Yes	Yes	Post MS4 permit and SMP document on stormwater webpage
06	Yes	Yes	Provide stormwater hotline or web-based method for public reporting of illicit discharges
07	No	No	Provide educational material annually to at least four groups
08	No	No	Provide stormwater education for students within permittee's jurisdiction
09	Yes	Yes	Operate an information booth at a large public event
10	No	No	Provide training or educational materials to lawn/turf care services addressing BMPs
11	No	No	Adopt a public education program to reduce littering
12	Yes	Yes	Create a stormwater information brochure to provide at public meetings & hearings
13	Yes	Yes	Operate an adopt-a-highway program to utilize public volunteers
14	No	No	Hold a media campaign addressing pertinent stormwater topics
15	No	No	Participate in a social media program on stormwater topics
16	No	No	Operate an information booth intended to improve public understanding of water quality
17	No	No	Operate an adopt-a-street program to utilize public volunteers

BMPs identified as applicable to KDOT are described in the following subsections.

Lbmp P Ed&O - 1: Maintain a Stormwater Webpage

Measurable Goal: Include up-to-date information, document monthly checks, and summarize changes

Established in 2003, KDOT's Stormwater Management Program's (SWMP) purpose is to prevent and/or reduce pollution in stormwater runoff. The following subpages can be found within KDOT's stormwater webpage:

- SWMP Home.

  Illicit discharge information including a general overview, an educational video (in both English and Spanish), and methods on reporting illicit discharge can be found on the SWMP homepage.

  Link: https://www.ksdot.org/bureaus/burMaint/StormWater/default.asp

- MS4 Public Education.

  The MS4 Public Education subpage provides educational material for the public regarding stormwater pollution prevention awareness. KDOT provides information regarding stormwater runoff, the purpose of the stormwater management program. Also included is why eliminating litter and preventing illicit discharge is important with regards to water quality. KDOT also included additional steps the public can take to help eliminate and/or reduce stormwater pollutants.

  Link: https://www.ksdot.org/bureaus/burMaint/StormWater/MS4PubEd.asp

- MS4 Storm Water Outfall Inventory Map.

  The MS4 Storm Water Outfall Inventory Map subpage includes PDF maps that depict outfalls of stormwater infrastructure into streams, lakes, and wetlands. Each map refers to a respective urbanized area.

  Link: https://www.ksdot.org/bureaus/burMaint/StormWater/SWOutfallInventMaps.asp

- Annual Report and Stormwater Management Plan (SMP)

  The Annual Report and Stormwater Management Plan subpage includes a link to the effective Stormwater Management Plan (2021) and will be updated in 2022.

  Link: https://www.ksdot.org/bureaus/burMaint/StormWater/SWMPlan.asp

- Past Annual Reports

  The Past Annual Reports subpage has links to Annual Reports for each permit from 2015-2020 and will be updated to include 2021.

  Link: https://www.ksdot.org/bureaus/burMaint/StormWater/SWAnnualReports.asp

- Best Management Practices.

  The Best Management Practices subpage describes structural and non-structural examples of Best Management Practices (BMPs). These BMPs help reduce and/or eliminate pollutants from entering MS4s.

Link: https://www.ksdot.org/bureaus/burMaint/StormWater/BMPs.asp

- Construction Storm Water and Pollution Control.

  The Construction Storm Water and Pollution Control subpage includes links to manuals, documents, forms, and other websites KDOT uses to manage stormwater runoff from construction activities.

  Link: https://www.ksdot.org/bureaus/burConsMain/Connections/swppp.asp

- Links.

  The Links subpage includes links to websites that supplement activities in KDOT's SWMP, including but not limited to KDOT's Adopt-a-Highway Program, Kansas Department of Environment and Health Stormwater Program, US EPA, and FHWA Stormwater Resources.

  Link: https://www.ksdot.org/bureaus/burMaint/StormWater/links.asp.

2022 Annual Report Update

During the 2022 permit year, KDOT added an additional page to house the current SMP, leaving past reports as an archive on a separate page.

The active link to the Stormwater Management Program website is https://www.ksdot.org/bureaus/burMaint/StormWater/default.asp .

During the 2022 permit year, the number of pageviews per month indicates that KDOT's stormwater webpage functioned throughout the year.

Month	Year	Pageviews
Jan	2022	86
Feb	2022	139
March	2022	133
April	2022	81
May	2022	96
June	2022	69
July	2022	74
Aug	2022	101
Sept	2022	44
Oct	2022	68
Nov	2022	7
		898

*Report was pulled 11/1/2022

Lbmp P Ed&O - 2: Distribute Education Materials Addressing Stormwater

Measurable Goal: Number distributed annually shall equal or exceed the most recent US Census Bureau decennial housing units value for the permit area, document both number distributed and housing units value

For this BMP to be relevant in a linear transportation setting, KDOT assumes applicability in the following paragraphs.

KDOT maintains a website that addresses Public Education and Outreach and discusses the public's role in stormwater management and includes practical steps for the general public to follow. There is a training video posted on the website in both English and Spanish.

Link: https://www.ksdot.org/bureaus/burMaint/StormWater/MS4PubEd.asp

2022 Annual Report Update

During the 2022 permit year, the following analytics represent the number of pageviews that the KDOT Stormwater webpage received.

Month	Year	Pageviews
Jan	2022	86
Feb	2022	139
March	2022	133
April	2022	81
May	2022	96
June	2022	69
July	2022	74
Aug	2022	101
Sept	2022	44
Oct	2022	68
Nov	2022	7
		898

*Report was pulled 11/1/2022

Lbmp P Ed&O - 5: Post the MS4 Permit and SMP Document on the Stormwater Webpage

Measurable Goal: Must be posted for at least 6 months of the year

The MS4 permits and 2021 Stormwater Management Plans can be found on KDOT's Stormwater Management Program webpages linked below:

Permits: https://www.ksdot.org/bureaus/burMaint/StormWater/NPDES.asp

SMP: https://www.ksdot.org/bureaus/burMaint/StormWater/SWMPlan.asp.

2022 Annual Report Update

For the 2022 permit year, KDOT uploaded the 2021 Stormwater Management Plan to the website in late February and it was posted for 10 months of the year.

The active link to the Stormwater Management Plan subpage is https://www.ksdot.org/bureaus/burMaint/StormWater/SWMPlan.asp.

The MS4 permits are available on the NPDES subpage: https://www.ksdot.org/bureaus/burMaint/StormWater/NPDES.asp.

Lbmp P Ed&O - 6: Provide Stormwater Hotline or Web-Based Method for Public Report of Illicit Discharges

Measurable Goal 1: Respond to all reported complaints within 10 days

Measurable Goal 2: Resolve or set a schedule for resolution within 20 days

The public is instructed to report illegal dumping to Kansas Department of Health and Environment's (KDHE) Spill Reporting Number: 1-785-291-3333. For suspected illicit discharge within KDOT's right-of-way, the public is advised to send an email to KDOT.MS4@ks.gov. The subject line for these emails should read "Illicit Discharge Reporting".

KDOT documents response to illicit discharge complaints in a log.

2022 Annual Report Update

For 2022, there were no emails received. The email address was tested. KDOT has not received any stormwater issue emails to the general public email inbox.

Lbmp P Ed&O - 9: Operate an Information Booth at a Large Public Event

Measurable Goal 1: Operate an information booth at a large public event, (such as a sports event, fair, or music festival) where at least an estimated 1,000 or more individuals attend.

Measurable Goal 2: Alternately, operate an information booth at multiple public events, (such as a sports event, fair, or music festival) where a cumulative estimated total of 3,000 or more individuals attend.

Measurable Goal 3: And finally, a single point can be claimed for operating an information both at a public event where at least an estimated 200 or more individuals attend.

2022 Annual Report Update

KDOT staffs a booth during the Kansas State Fair in Hutchinson. In 2022, about 40 KDOT staff members volunteered to man the booth during the Fair from September 9-18, 2022. Beyond being available for questions, KDOT staff distribute brochures, maps and other take away materials to the public. Fair attendees are able to ask questions about specific projects and leave comments for KDOT.

Lbmp P Ed&O - 12: Create a Stormwater Information Brochure to Provide at Public Meetings & Hearings

Measurable Goal: Have multiple copies of the brochure available during at least 10 meetings

For this BMP to be relevant in a linear transportation setting, KDOT assumes applicability in the following paragraphs.

KDOT developed a brochure to educate the public about the Adopt-a-Highway program. This brochure provides information to help keep participants safe while volunteering to keep Kansas clean. Topics highlighted in this brochure include the following:

- What can I do?
- Be on the alert
- What to wear
- Things not to do
- Helpful hints
- Weather

The Adopt-a-Highway brochure is available to the public via KDOT's Adopt-a-Highway program webpage here: https://www.ksdot.org/Assets/wwwksdotorg/bureaus/burConsMain/Adopt-A-Highway-2011-Letter-for-web.pdf.

2022 Annual Report Update

For the 2022 permit year, KDOT made the Adopt-a-Highway brochure available to the public here: https://www.ksdot.org/Assets/wwwksdotorg/bureaus/burConsMain/Adopt-A-Highway-2011-Letter-for-web.pdf.

Lbmp P Ed&O - 13: Operate an Adopt-a-Highway Program to Utilize Public Volunteers

Measurable Goal: Volunteers shall clean at least a two-mile segment of road within permit area, at least once per year

KDOT offers the following programs to address litter and debris along Kansas highways:

Adopt-a-Highway

Established in 1989, KDOT's Adopt-a-Highway program encourages citizens to volunteer to pick up litter and trash along state highways. Volunteers are required to pick up litter at least three times for a two-year period. Participants range from families to organizations such as youth groups, businesses, etc. Two-mile segments are the most common, but three-mile and one-mile segments are also an option depending on if it's an urban or rural setting.

Interested groups must complete an application and a release form. Signed by all participants within each group, the release form requires volunteers to agree to remove litter and trash a minimum of three times a year for a two-year period. The release form is then submitted to the nearest KDOT office. Groups who wish to reapply must complete a renewal form.

Additional information regarding the program, including the application form, renewal form, and safety video, can be found here: https://www.ksdot.org/bureaus/burMaint/Adoptahighway.asp.

Sponsor-a-Highway

KDOT's Sponsor-a-Highway program allows business to advertise their company name and logo within view of commuters. In return, the money raised from sponsorships funds litter removal on state highways. It ultimately results in cleaner and improved highways. Benefits of participating in this program include recognition as environmental supporters who support community responsibility.

Additional information regarding the program can be found here: https://www.ksdot.org/bureaus/burMaint/sponsorahighway.asp.

2022 Annual Report Update

During the permit year 2022, a stipend program was developed. From KDOT's website, "With increased amounts of trash along the highways and limited staff, the Kansas Department of Transportation has created an incentive stipend for groups that actively participate in the program. The stipend is $190 per highway section, which is generally two miles long."

More information can be found here: https://www.ksdot.org/bureaus/burMaint/Adoptahighway.asp

Table 1.2 summarizes litter program activity for the permit period.

Table 1.2 - 2022 Summary of Program Activity

Urbanized Area	Adopt-A-Highway Number of Groups	Sponsor-A-Highway Number of Groups
Kansas City	13	19
St. Joseph	2	0
Lawrence	5	1
Topeka	7	1
Manhattan	7	0
Wichita	7	4

Kansas Department of Transportation

Stormwater Management Plan

Minimum Control Measure:
Public Education & Outreach

Permit Year:
2022

BMP	Summary	Measurable Goal	KDOT Availability		Reference	How to Report	Claimed	
			Applicable	Points			2022	Points
Lbmp P Ed &O - 01	Maintain a stormwater webpage	Up-to-date information, all links effective and valid. Check links monthly. Document monthly checks in log book and indicate changes with summaries.	Yes	2	KDOT's Stormwater Management Program Added an additional page to house the current SMP	1. Stormwater Management Plan: -Describe KDOT's stormwater webpage 2. Annual Report: -Manage a monthly log that includes number of website views	☑	2
Lbmp P Ed &O - 02	Distribute educational materials (can include emails) addressing stormwater	Number distributed annually shall equal or exceed the most recent US Census Bureau decennial house units value for the permit area. Document US Census value, numbers distributed, keep copies of all items distributed on file	Yes	2	Stormwater Update	1. Stormwater Management Plan: -Describe the Stormwater Update newsletters 2. Annual Report: -Document & collect webpage views	☑	2
Lbmp P Ed &O - 05	Post the MS4 permit and SMP document on either the stormwater web page or the municipal webpage	Must be posted for at least 6 months of the year to claim 1 point.	Yes	1	KDOT's Stormwater Management Plan	1. Stormwater Management Plan -Include a link to where both SMP & permits are placed 2. Annual Report: -Save a pdf of the webpage showing both SMP & permits -Include date of pdf printed	☐ ☑	1
Lbmp P Ed &O - 06	Provide a stormwater hotline or web based method for public reporting of illicit discharges	Respond to all reported complaints within 10 days; if valid resolve or set a schedule for resolution within 20 days	Yes	2	KDOT's Reporting of Illicit Discharge	1. Stormwater Management Plan: -Include KDOT's reporting methods 2. Annual Report: -Manage a log that includes all complaints, days to investigate, & days to resolve	☑	2
Lbmp P Ed &O - 09	Operate an information booth at a large public event where at least an estiamted 1K or more individuals attend; or at multiple where cumulative total of 3K or more individuals attend. One point for operating an information booth at a public event with at least 200 or more individuals.	Provide information about storwmater topics.	No	2	KDOT Translines newsletter article	1. Stormwater Management Plan: -Translines newsletter 2. Annual Report: -Translines newsletter	☑	2
Lbmp P Ed &O - 12	Create a stormwater information brochure to provide to the public at meetings and/or hearings.	Have multiple copies of the brochure available during at least 10 meetings or hearings open to the public during the year. Provide the brochures to the public at no charge.	Yes	1	Adopt-a-Highway Brochure	1. Stormwater Management Plan: -Describe the purpose of the brochure 2. Annual Report: -Save a pdf copy of the brochure -Include a link to the website	☑	1
Lbmp P Ed &O - 13	Operate an adopt a highway program to utilize public volunteers to clean road right-of-way.	Volunteers shall clean at least a two-mile segment of road either within the permit area or adjacent to the permit area. Alternately multiple spots shich are cleaned and equate to or exceed a two-mile road clean-up can qualify for a point.	Yes	1	Adopt-a-Highway -Yearly announcement encouraging people to sign up -Stipend program Sponsor-a-Highway -Businesses pay a monthly fee to advertise on highway -Fee covers picking up trash	1. Stormwater Management Plan: -Include program descriptions 2. Annual Report: -Provide # of active groups for both programs -Manage a log that includes active volunteer groups and their assigned highway segments	☑	1

2022 - Public Education & Outreach	
Available Points	11
Requirement	4
Claimed Points	11
Meets Requirements	Yes

STORMWATER MANAGEMENT PROGRAM

Stormwater runoff is . . .

any water that is not soaked into the ground after a rain storm. Consequently, stormwater runoff can pick up pollutants while flowing into local streams and rivers. The Stormwater Management Program (SWMP), launched in 2003, is KDOT's inter-agency effort to control pollutants in stormwater discharge. By unifying a cross section of KDOT programs, such as training, planning, maintenance, construction and facilities management with a common focus on water quality issues, KDOT complies with the Clean Water Act requirements administered by the Kansas Dept. of Heath and Environment while reducing pollutants from Kansas' storm sewer system. KDOT created the SWMP in response to being regulated as a Municipal Separate Storm Sewer System (MS4). The MS4 designation invokes federal legislation that mandates all municipalities reduce the quantity of pollutants from stormwater runoff.

Report Illicit Discharge

Report illegal dumping to Kansas Department of Health and Environment's Kansas Spill Reporting Number:

1-785-291-3333

Illicit discharges may be a cause of water pollution. Illicit discharges may be dumping of automotive fluids, sanitary sewage or septic system drainage, hazardous chemicals or dumping of trash on the right-of-way. KDOT is committed to identifying and eliminate them through the SWMP. These discharges can be a public health concern, cause unpleasant odors, and harm aquatic life.

Illicit Discharge Awareness Video

Illicit Discharge (brief video 30 sec.)
Illicit Discharge (Spanish - brief video 30 sec.)

The Public is encouraged to report any suspected Illicit Discharge on KDOT right-of-way at
KDOT.MS4@ks.gov
Subject Line: Illicit Discharge Reporting

Dale Kirmer P.E.
MS4 Storm Program Manager
(785)296-6355
Dale.Kirmer@ks.gov

Mervin Lare, P.E.
Stormwater Compliance Engineer
(785)250-4793
Mervin.Lare@ks.gov

STORMWATER MANAGEMENT PROGRAM

SWMP Home
MS4 Public Education
Best Management Practices
Stormwater Outfall Inventory
Stormwater Control Measure SCM
Annual Report and SMP
Past Annual Reports
NPDES
Construction Storm Water and Pollution Control
Links

Annual Report and Stormwater Management Plan (SMP)

In Kansas, our surface water and groundwater resources are critical for the economic, health and well-being of our citizens. Stormwater has the potential to carry pollutants from KDOT's right-of-way into streams, rivers, and lakes. KDOT has developed a Stormwater Management Program to reduce pollutants in stormwater from KDOT's roadways and facilities.

This annual report is applicable to the following KDOT MS4 permits:

KDOT will continue to use the SMP as a living document, updating through the permit period with the annual reporting process.

- Kansas City Area (M-KS27-SU01)
- Lawrence Area (M-KS31-SU02)
- Topeka Area (M-KS72-SU02)
- Manhattan Area (M-KS38_SN01)
- Wichita Area (M-AR94-SU02)
- St. Joseph Area (M-MO05-SU01)

2021 Annual Report and Stormwater Management Plan (SMP)

Dale Kirmer P.E.
MS4 Storm Program Manager
(785)296-6355
Dale.Kirmer@ks.gov

Mervin Lare, P. E.
Stormwater Compliance Engineer
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State Fair booth gives KDOT a welcoming face

By Tim Potter
District Five

Receptionist Beth Lee is one of many people from District Five who help make the KDOT booth at the Kansas State Fair a success. Photo by Will Lee, District Five

Beth Lee has worked the KDOT State Fair booth for about 21 years.

The only interruption in her string came during the years the booth was not set up or staffed because of COVID precautions.

The booth was back in full operation during this year's fair, Sept. 9 through Sept. 18 in Hutchinson -- in KDOT's District Five. Lee, the District Five Receptionist, worked two booth shifts. About 40 other KDOT employees, almost all from District Five, volunteered for the booth.

The booth puts a face on KDOT. It offers a welcoming presence for fairgoers.

"I like to meet the people; I like to tell the people what KDOT does for Kansas, for highways," Lee said. "I'm a people person, so I enjoy visiting with the people."

Some fairgoers stop by the booth to mention that they or a relative once worked for KDOT. "They like to share that," Lee said.

People also visit the booth in the Eisenhower Building to pick up a state map, ask a question about a KDOT project or service or to leave a comment.

Booth workers get all kinds of feedback. One example: Lee notes that some people say they "don't like roundabouts." Still, she said, "I've had people come up and thank us for what we do, especially the snow removal, stuff like that."

Brent Hoener, an Engineering Technician in District Five, talks with people stopping by the KDOT booth at the Kansas State Fair in Hutchinson. Photo by Kim Stich, Headquarters

So the experience ends up being "a nice conversation with people," Lee said.

It takes a team, working behind the scenes each year to gather materials for the booth and set it up. Kim Stich, Senior Communications Manager, directs efforts from Topeka. Lee handles the sign-up for booth workers and hands out the KDOT shirts that booth workers wear while positioned in front of a KDOT-branded backdrop.

Helpers are crucial: They move booth materials from Topeka and the District Five Office out to the fairgrounds and get things in the proper place at the booth. They also keep the booth resupplied.

Adopt - A - Highway

HELPING TO KEEP KANSAS CLEAN

Safety Tips • Adopting • Participating

Kansas Department of Transportation

In the city or in the country, along the highway or throughout the parks littering can be a costly and unslightly problem.

Litter can do the following:

- Pollute the land and waterways of Kansas
- Harm animals and vegetation
- Take away from the beauty of the state

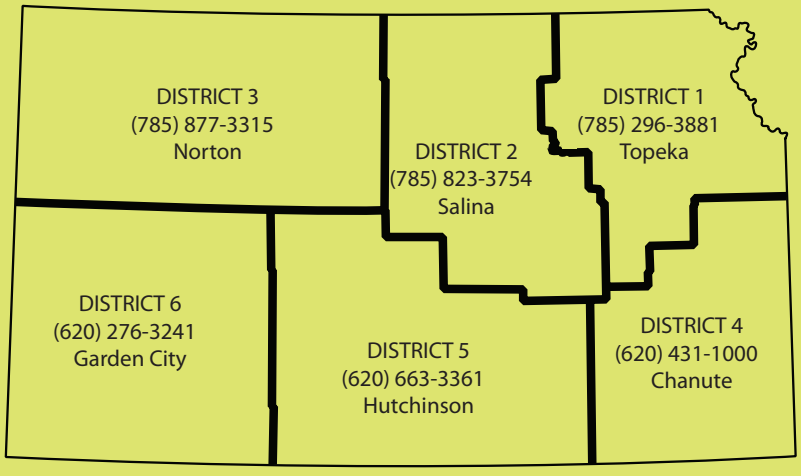
WHAT CAN I DO?

- Be active in helping to keep your town or community clean.
- Recycle aluminum, glass, paper and plastic.
- Buy recycled materials whenever possible.
- Don't throw litter out of vehicles.
- Join KDOT's Adopt-A-Highway program or other local anti-litter organizations.

HOW DO I JOIN?

- Any non-profit group that does not discriminate on the basis of race, religion, color or sex can participate in the Kansas Department of Transportation's Adopt-A-Highway program by calling your District office.

NOTE: This form is available in alternative accessible formats. To obtain an alternative format, contact the KDOT Bureau of Transportation Information, Eisenhower State Office Building, 2nd Floor, Topeka, Kansas 66603-3754, or phone (785) 296-3585 (Voice)/(Hearing Impaired -711).



AAH89F - Rev. 6-11
DOT Form No. 1210F

Thanks for participating in the Adopt-A-Highway program! This brochure provides information to help you have a safe and enjoyable time while working to keep Kansas roadways clean.

WHAT CAN I DO?

- Only pick up trash and litter.
- Car pool to reduce number of vehicles and park only in recommended areas.
- Work one side of highway at a time.
- Work only during daylight hours.
- Avoid contact with poisonous plants.
- Have a first aid kit and transportation available in case of emergency.

THINGS NOT TO DO

- **Do not allow children or pets at the litter pick up area or leave them in parked vehicles.**
- Do not mow or trim shrubs/weeds.
- Do not carry firearms, machetes or axes.
- Do not cross traveled sections of roadway.
- Do not pick up litter on bridges, underpasses, or overpasses.
- Do not use headsets or cell phones.

BE ON THE ALERT

- Notify nearest KDOT office, the Kansas Highway Patrol or the police of suspected toxic/ hazordous substances or dead animals DO NOT try to remove.
- Be alert for places where snakes may be located such as around logs, rocky area and tall grass. Avoid these areas.
- Fill sack with what goes in easily. Do not squeeze trash sacks to make room. This could result in injuries from broken or jagged objects.
- Stay clear of any maintenance or construction activities.
- Stay off roadway and paved or unpaved shoulder area, to pick up litter.

HELPFUL HINTS

- Face oncoming traffic while you work. Be prepared to move out of the way of the vehicles in an emergency.
- Avoid overexertion.
- Have a refresher session on safety awareness each time a crew goes out.
- Crew members should have the following minimum qualifications:
  - Good physical condition, including sight and hearing.
  - Mental alertness.
  - A sense of responsibility for safety of public and crew.
  - A willingness to use good common sense.
  - Must be at least 11 years old.

WHAT TO WEAR

- Wear light-colored clothing and your safety vest at all times.
- Wear heavy gloves. Do not pick up discarded syringes or hypodermic needles.
- Wear substantial leather shoes or boots with ankle support. Stay off steep slopes and watch your footing.
- Wear a hat and consider using sunscreen and insect repellent.
- Wear long-sleeved shirts when temperatures allow.

WEATHER

- Discontinue work in inclement weather, especially in times of reduced visibility and wet or icy roads.
- Be cautious of dry conditions. Be alert to fire hazards and do not smoke while working.
- Take breaks, especially when it's warm. Drink plenty of water, especially on warm days.
- Try to schedule clean-up times in the morning when it's cooler and visibility is better.

From: Kim Stich [KDOT]
Subject: Make a difference – adopt a highway
Date: Thursday, March 24, 2022 8:02:52 AM
Attachments: image002.png
image003.png
image004.png
image005.png
image006.png

Eisenhower State Office Building
700 SW Harrison
Topeka, KS 66603

Kansas
Department of Transportation

phone: 785-296-3585
fax: 785-368-7415
www.ksdot.org

Julie Lorenz, Secretary

Laura Kelly, Governor

IMMEDIATE RELEASE
March 24, 2022

For more information:
Kim Stich, Kim.stich@ks.gov

Make a difference – adopt a highway

Make a difference in your community and help the environment at the same time – join the Adopt-A-Highway program in Kansas.

Litter is unsightly and unsafe, and it has a negative impact on both residents and visitors to Kansas. But every section of highway right of way cleaned by participating groups adds up to many miles of nice-looking roadsides for everyone to enjoy. This helps to raise awareness on the negative effects of pollution and the positive aspects of a clean community.

Groups are asked to sign a two-year agreement with the program, and there is no cost to the group. The Kansas Department of Transportation, which sponsors the program, provides each group safety training, trash bags and orange vests. Groups have clean-ups three times a year at their convenience and are recognized for their efforts with signs marking their sections of highway.

Adopt-A-Highway groups are gearing up for the annual Clean Up Kansas Campaign, which takes place during the month of April. All Adopt-A-Highway groups are encouraged but not required to participate in the statewide event.

Any non-profit group that does not discriminate upon the basis of race, religion or gender can join. Members must be at least 11 years old and have adequate adult supervision. For more information, contact the KDOT office in your area (listed below).

To adopt a section of highway, KDOT phone numbers listed below

(Ask for the Adopt-A-Highway coordinator in the KDOT office located closest to you.)

Northeast Kansas

Topeka, (785) 296-2291

Kansas City Area -

Bonner Springs, (913) 942-3040

Olathe, (913) 942-3100

North Central Kansas

Salina, (785) 823-3754

Northwest Kansas

Norton, (785) 877-3315

Southeast Kansas

Chanute, (620) 902-6400

South Central Kansas

Hutchinson, (620) 860-7400

Wichita, (316) 744-1271

Southwest Kansas

Garden City, (620) 765-7074

###

This information can be made available in alternative accessible formats upon request.
For information about obtaining an alternative format, contact the KDOT Office of Public Affairs,
700 SW Harrison St., 2nd Fl West, Topeka, KS 66603-3754, or phone 785-296-3585 (Voice)/Hearing Impaired – 711.

Click below to connect to KDOT's Social Networks:

KDOT offers stipend for groups participating in AAH

By Tracy Statton
District Five

Volunteers participating in the Adopt-A-Highway program will now get a little more cash in their pockets due to an initiative to offer stipends for the program.

KDOT Director of Field Operations Clay Adams said it all started when a citizen suggested the idea to KDOT Secretary Julie Lorenz. The citizen was concerned about litter on the roadways and thought it would be a win-win for local organizations and KDOT.

"They suggested that it would be a way for groups to raise funds, because many of their fundraising activities were limited by COVID protocols," Adams said.

It also helps out KDOT crews by freeing up time they would have had to spend picking up trash.

"It allows them to concentrate their work on items like pavement and shoulder maintenance, filling potholes and sealing cracks, signs, drainage and mowing," Adams said.

Participants in the program will earn $190 per highway section, which is about 2 miles long.

"It is a public service. It helps make Kansas look better to our citizens and to our visitors," Adams said.

The Adopt-A-Highway program started in December 1989. The first pickups started in April 1990. Participation in the program ranges from church and civic organizations, clubs, families, youth groups, employees from businesses and more.

For more information on KDOT's program, click here.

KTA briefs

Work continues toward KTA's conversion to cashless tolling in 2024. In this latest episode of "On the Road," CEO Steve Hewitt chats with Director of Engineering David Jacobson and gets answers about toll zones, the overhead gantries needed for this large-scale endeavor and more.

Construction on the new Topeka administration building progresses. In the photo at left, interior wall frames have been placed, and more interior and exterior work will continue. This administrative building will house KTA's engineering department, legal counsel and an expanded Customer Service Center in preparation for KTA's conversion to cashless tolling in 2024.

MCM2: Public Involvement & Participation

KDOT shall implement a public involvement and participation program to solicit public comment and recommendations regarding the BMPs and measurable goals utilized by KDOT to comply with the permit. The program will focus on educating the public and KDOT community on stormwater pollution and environmental stewardship. KDOT continues to comply with state and local public notice requirements when implementing its public involvement and participation program.

Reference Table 2.1 below for a list of available BMPs for implementation and their respective descriptions.

Table 2.1 - Available BMPs

Lbmp PI&P	KDOT Applicability		Description
	Existing	Future	
01	No	No	Hold a forum to notify the public about stormwater program activities and to solicit comments
02	No	No	Establish a citizens advisory committee
03	Yes	Yes	Hold stream bank clean-up events for public volunteers to aid in removing trash and debris
04	Yes	Yes	Train citizen watch groups to recognize illicit discharges
05	Yes	Yes	Provide at least two events for residents to engage in cleanup activities
06	No	No	Establish a program to encourage residents to install BMPs
07	No	No	Enact enforceable requirement that requires pet owners to properly dispose of waste
08	No	No	Provide monetary donation to a scholarship fund for students pursuing a degree in an environmental program
09	Yes	Yes	Distribute stormwater educational materials to the public
10	No	No	Establish an environmental student internship program related to water or waste utility

BMPs identified as applicable to KDOT are described in the following subsections.

Lbmp PI&P - 03: Hold Stream Bank Clean-Up Events for Public Volunteers to Aid in Removing Trash and Debris

Measurable Goal: Area cleaned must be equal to or greater than 1 acre or at least 200 yards of streambank

For this BMP to be relevant in a linear transportation setting, KDOT assumes applicability in the following paragraphs.

KDOT offers the following program to address litter and debris along Kansas highways:

Adopt-a-Highway

Established in 1989, KDOT's Adopt-a-Highway program encourages citizens to volunteer to pick up litter and trash along state highways. Volunteers are required to pick up litter at least three times a year for a two-year period. Participants range from families to organizations such as youth groups, businesses, etc. Two-mile segments are the most common, but three-mile and one-mile segments are also an option depending on if it's an urban or rural setting.

Interested groups must complete an application and a release form. Signed by all participants within each group, the release form requires volunteers to agree to remove litter and trash a minimum of three times a year for a two-year period. The release form is then submitted to the nearest KDOT office. Groups who wish to reapply must complete a renewal form.

Additional information regarding the program, including the application form, renewal form, and safety video, can be found here: https://www.ksdot.org/bureaus/burMaint/Adoptahighway.asp.

2022 Annual Report Update

During the permit year 2022, a stipend program was added to Adopt-a-Highway to encourage participation. Adopt-a-Highway has 41 active groups.

Table 2.2 summarizes Adopt-a-Highway program activity for the permit period.

Table 2.2 - 2022 Summary of Program Activity

Urbanized Area	Adopt-A-Highway Number of Groups
Kansas City	13
St. Joseph	2
Lawrence	5
Topeka	7
Manhattan	7
Wichita	7

Lbmp P I/P – 04: Train groups to recognize illicit discharge activities and communicate observations to appropriate staff

Measurable Goal: Provide training or distribute training materials to participants at least once annually.

For this BMP to be relevant in a linear transportation setting, KDOT assumes applicability in the following paragraphs.

Stormwater Awareness Training

All KDOT maintenance staff are required to complete the Stormwater Awareness Training annually. This training is available through KDOT's Learning Management Center.

Spill Prevention, Control, and Countermeasure (SPCC) Plan Training

SPCC Plan training is required annually for KDOT employees through the Learning Management Center. The purpose of this training is to provide guidance to KDOT employees regarding oil spills and preventing spills from discharging into Waters of the US.

Facility Training

For employees located at KDOT facilities, training during the permit period will be provided to disseminate knowledge regarding stormwater pollution prevention as part of a respective facility. This training focuses on sediment and erosion control, spill prevention and cleanup methods, and good housekeeping measures. As a follow-up to the 2021 SMP, at maintenance facilities, safety officers walked through maintenance facilities with the purpose of addressing good housekeeping measures.

2022 Annual Report Update

The annual Spill Prevention, Control, and Countermeasure (SPCC) Plan Training and Stormwater Awareness Training is available through the KDOT Learning Management Center. The annual training must be completed by December 31st.

For the year beginning November 1, 2021 and ending on October 31, 2022, a total of 638 KDOT maintenance staff completed Stormwater Awareness Training.

Lbmp PI&P - 05: Provide at Least Two Events for Residents to Engage in Cleanup Activities

Measurable Goal: Host at least two events annually in streams, parks, areas adjacent to public waterways, etc.

For this BMP to be relevant in a linear transportation setting, KDOT assumes applicability in the following paragraphs.

KDOT offers the following programs to address litter and debris along Kansas highways:

Adopt-a-Highway

Established in 1989, KDOT's Adopt-a-Highway program encourages citizens to volunteer to pick up litter and trash along state highways. Volunteers are required to pick up litter at least three times annually for a two-year period. Participants range from families to organizations such as youth groups, businesses, etc. Two-mile segments are the most common, but three-mile and one-mile segments are also an option depending on if it's an urban or rural setting.

Interested groups must complete an application and a release form. Signed by all participants within each group, the release form requires volunteers to agree to remove litter and trash a minimum of three times a year for a two-year period. The release form is then submitted to the nearest KDOT office. Groups who wish to reapply must complete a renewal form.

Additional information regarding the program, including the application form, renewal form, and safety video, can be found here: https://www.ksdot.org/bureaus/burMaint/Adoptahighway.asp.

Sponsor-a-Highway

KDOT's Sponsor-a-Highway program allows business to advertise their company name and logo within view of commuters. In return, the money raised from sponsorships funds litter removal on state highways. It ultimately results in cleaner and improved highways. Benefits of participating in this program include recognition as environmental supporters who support community responsibility.

Additional information regarding the program can be found here: https://www.ksdot.org/bureaus/burMaint/sponsorahighway.asp.

2022 Annual Report Update

Table 2.3 summarizes litter program activity for the permit period.

Table 2.3 - 2022 Summary of Program Activity

Urbanized Area	Adopt-A-Highway Number of Groups	Sponsor-A-Highway Number of Groups
Kansas City	13	19
St. Joseph	2	0
Lawrence	5	1
Topeka	7	1
Manhattan	7	0
Wichita	7	4

Lbmp PI&P - 09: Distribute Stormwater Educational Materials to the Public

Measurable Goal: Educational materials must have a value of at least $50

Illicit Discharge Awareness

KDOT works to educate the public on the importance of minimizing stormwater impacts by providing resources on the KDOT website. Both a 30-second and 10-minute Illicit Discharge Awareness videos are available to the public through KDOT's website: https://www.ksdot.org/bureaus/burMaint/StormWater/default.asp.

Topics discussed in the Illicit Discharge Awareness video include:

- Storm sewer purpose
- Storm sewer vs sanitary sewers
- Spotting illicit discharges
- Ecological impacts
- How to report illicit discharges

Stormwater Awareness Training

All KDOT maintenance staff are required to complete the Stormwater Awareness Training. This training is available through KDOT's Learning Management Center. There were 638 personnel trained from November 1, 2021 to November 1, 2022.

Adopt-a-Highway

KDOT developed a brochure to educate the public about the Adopt-a-Highway program. This brochure provides information to help keep participants safe while volunteering to keep Kansas clean. Topics highlighted in this brochure include the following:

- What can I do?
- Be on the alert
- What to wear
- Things not to do
- Helpful hints
- Weather

The Adopt-a-Highway brochure is available to the public via KDOT's Adopt-a-Highway program webpage here: https://www.ksdot.org/Assets/wwwksdotorg/bureaus/burConsMain/Adopt-A-Highway-2011-Letter-for-web.pdf.

2022 Annual Report Update

KDOT continues to offer both the 30-second and 10-minute Illicit Discharge Awareness videos in English and Spanish on KDOT's website. Reference the list below for the cost to complete, labor involved, and link for both videos:

- 30-second video:
  - Cost to complete: $895
  - Labor: 20 hours
  - Link: https://www.ksdot.org/bureaus/burMaint/StormWater/default.asp
- 10-minute video:
  - Cost to complete: $895
  - Labor: 20 hours
  - Link: https://www.ksdot.org/bureaus/burMaint/StormWater/MS4PubEd.asp

For the 2022 permit year, KDOT made the Adopt-a-Highway brochure available to the public here: https://www.ksdot.org/Assets/wwwksdotorg/bureaus/burConsMain/Adopt-A-Highway-2011-Letter-for-web.pdf. The cost to complete was approximately $50 and required 10 hours of labor.

Kansas Department of Transportation

Stormwater Management Plan

Minimum Control Measure:
Public Involvement & Participation

Permit Year:
2022

BMP	Summary	Measurable Goal	KDOT Availability		Reference	How to Report	Claimed	
			Applicable	Points			2022	Points
Lbmp P I/P - 03	Hold park or stream bank clean-up events for public volunteers to aid in removing trash, debris, or pollutant sources from the selected clean-up area.	Area cleaned must be equal to or greater than 1 acre or at least 200 yards of streambank. 1 activity per year.	Yes	3	Adopt-a-Highway -Yearly announcement encouraging people to sign up -Stipend program	1. Stormwater Management Plan: -Include program descriptions 2. Annual Report: -Provide # of active groups -Manage a log that includes active volunteer groups and their assigned highway segments	☐ ☑	3
Lbmp P I/P - 04	Train either citizen watch groups, HOAs, or public service groups to recognize illicit discharge activities and communicate observations to appropriate staff.	Provide training or distribute training materials to the group participatns at least once annually.	Yes	2	Training -Stormwater Awareness Training -Spill Prevention, Control, and Countermeasure Plan Training -Facility Training	1. Stormwater Management Plan: -Stormwater Training course -Describe internal trainings 2. Annual Report: -Stormwater Awareness Training (attendees) -SPCC Training (dates held)	☑	2
Lbmp P I/P - 05	Provide at least two events for residents to engage in cleanup activities and improve water quality.	At least two events annually in streams, parks, areas adjacent to public waterways, and/or other green infrastructure/water resources. These events can be: Environmental restoration events, stream cleanups, tree plantings, or stream monitoring.	Yes	3	Adopt-a-Highway -Yearly announcement encouraging people to sign up -Litter cleanup Sponsor-a-Highway -Businesses pay a monthly fee to advertise on highway -Fee covers picking up trash	1. Stormwater Management Plan: -Include program descriptions 2. Annual Report: -Provide # of active groups for both programs	☑	3
Lbmp P I/P - 09	Distribute stormwater educational materials to the public within this permit area. Alternatively, may provide stormwater educational materials. These materials may be provided to other nearby municipalities for distribution to the public. (within 30 miles from this permit area).	Educational materials must have a value of at least $50	Yes	3	Illicit Discharge Awareness Video 30-second (English/Spanish) Illicit Discharge Awareness Video 10-minute (English/Spanish) Adopt-a-Highway Brochure	1. Stormwater Management Plan: -Describe purpose and content of Illicit Discharge video -Describe the purpose of the brochure 2. Annual Report: -**Videos:** include cost to complete, labor, and links to the videos -**Brochure:** include cost to complete, labor, and link to the brochure -Save a pdf copy of the brochure	☑ ☑	3

☐

2022 - Public Involvement Summary	
Available Points	11
Requirement	3
Claimed Points	11
Meets Requirements	Yes

Adopt - A - Highway

HELPING TO KEEP KANSAS CLEAN

Safety Tips • Adopting • Participating

Kansas Department of Transportation

In the city or in the country, along the highway or throughout the parks littering can be a costly and unslightly problem.

Litter can do the following:

- Pollute the land and waterways of Kansas
- Harm animals and vegetation
- Take away from the beauty of the state

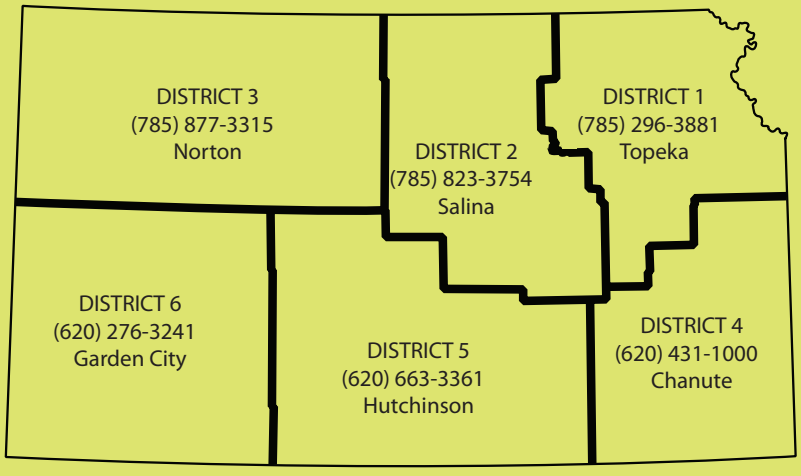
WHAT CAN I DO?

- Be active in helping to keep your town or community clean.
- Recycle aluminum, glass, paper and plastic.
- Buy recycled materials whenever possible.
- Don't throw litter out of vehicles.
- Join KDOT's Adopt-A-Highway program or other local anti-litter organizations.

HOW DO I JOIN?

- Any non-profit group that does not discriminate on the basis of race, religion, color or sex can participate in the Kansas Department of Transportation's Adopt-A-Highway program by calling your District office.

NOTE: This form is available in alternative accessible formats. To obtain an alternative format, contact the KDOT Bureau of Transportation Information, Eisenhower State Office Building, 2nd Floor, Topeka, Kansas 66603-3754, or phone (785) 296-3585 (Voice)/(Hearing Impaired -711).



AAH89F - Rev. 6-11
DOT Form No. 1210F

Thanks for participating in the Adopt-A-Highway program! This brochure provides information to help you have a safe and enjoyable time while working to keep Kansas roadways clean.

WHAT CAN I DO?

- Only pick up trash and litter.
- Car pool to reduce number of vehicles and park only in recommended areas.
- Work one side of highway at a time.
- Work only during daylight hours.
- Avoid contact with poisonous plants.
- Have a first aid kit and transportation available in case of emergency.

THINGS NOT TO DO

- **Do not allow children or pets at the litter pick up area or leave them in parked vehicles.**
- Do not mow or trim shrubs/weeds.
- Do not carry firearms, machetes or axes.
- Do not cross traveled sections of roadway.
- Do not pick up litter on bridges, underpasses, or overpasses.
- Do not use headsets or cell phones.

BE ON THE ALERT

- Notify nearest KDOT office, the Kansas Highway Patrol or the police of suspected toxic/ hazordous substances or dead animals DO NOT try to remove.
- Be alert for places where snakes may be located such as around logs, rocky area and tall grass. Avoid these areas.
- Fill sack with what goes in easily. Do not squeeze trash sacks to make room. This could result in injuries from broken or jagged objects.
- Stay clear of any maintenance or construction activities.
- Stay off roadway and paved or unpaved shoulder area, to pick up litter.

HELPFUL HINTS

- Face oncoming traffic while you work. Be prepared to move out of the way of the vehicles in an emergency.
- Avoid overexertion.
- Have a refresher session on safety awareness each time a crew goes out.
- Crew members should have the following minimum qualifications:
  - Good physical condition, including sight and hearing.
  - Mental alertness.
  - A sense of responsibility for safety of public and crew.
  - A willingness to use good common sense.
  - Must be at least 11 years old.

WHAT TO WEAR

- Wear light-colored clothing and your safety vest at all times.
- Wear heavy gloves. Do not pick up discarded syringes or hypodermic needles.
- Wear substantial leather shoes or boots with ankle support. Stay off steep slopes and watch your footing.
- Wear a hat and consider using sunscreen and insect repellent.
- Wear long-sleeved shirts when temperatures allow.

WEATHER

- Discontinue work in inclement weather, especially in times of reduced visibility and wet or icy roads.
- Be cautious of dry conditions. Be alert to fire hazards and do not smoke while working.
- Take breaks, especially when it's warm. Drink plenty of water, especially on warm days.
- Try to schedule clean-up times in the morning when it's cooler and visibility is better.

From: Kim Stich [KDOT]
Subject: Stipends now available to organizations participating in state's Adopt-A-Highway
Date: Thursday, July 21, 2022 9:48:39 AM
Attachments: image002.png
image003.png
image004.png
image005.png
image006.png
image009.png
image010.png

Scroll down for the Spanish translation

Deslice hacia abajo para la traducción al español

Eisenhower State Office Building
700 SW Harrison
Topeka, KS 66603

Kansas
Department of Transportation

phone: 785-296-3585
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www.ksdot.org

Julie Lorenz, Secretary

Laura Kelly, Governor

IMMEDIATE RELEASE
July 21, 2022

News Contact: Steve Hale, Steve.hale@ks.gov

Stipends now available to organizations participating in state's Adopt-A-Highway

Organizations have been helping keep Kansas clean for more than 30 years through participation in the Adopt-A-Highway program. With increased amounts of trash along the highways and limited staff, the Kansas Department of Transportation has created an incentive stipend for groups that actively participate in the program.

"KDOT appreciates all the volunteers' efforts to assist in removing trash along our highways," said Director of Field Operations Clay Adams. "They are providing a valuable service to the state. These stipends will benefit groups as well as increase the number of groups taking part in the clean-up program."

The stipend is $190 per highway section, which is generally two miles long. Adopt-A-Highway groups receiving $600 or more in payments in a calendar year will be issued a 1099 tax form. New and existing groups will be able to submit a request for payment after their group completes a highway cleanup. The group will submit forms identifying the location, date, number of volunteers and number of bags as well as before and after photos of the site.

All groups go through the standard process to adopt a section of highway. New groups will sign an agreement, receive safety training information and follow procedures when scheduling a cleanup. Existing groups will continue to follow existing procedures. State employees and their families are welcome to participate in a group, but are not eligible to receive stipends.

For more information or to sign up, contact the Adopt-A-Highway coordinator at the closest KDOT District Office –

District One (northeast Kansas) - 121 S.W. 21st Street, Topeka, (785) 296-3881
District Two (north central Kansas) - 1006 N. Third, Salina, (785) 823-3754
District Three (northwest Kansas) - 312 S. Second, Norton, (785) 601-6001

District Four (southeast Kansas) - 411 W. Fourteenth, Chanute, (620) 902-6400
District Five (south central Kansas) - 500 N. Hendricks, Hutchinson, (620) 860-7400
District Six (southwest Kansas) - 121 N. Campus Drive, Garden City, (620) 765-7074
####

Click below to connect to KDOT's Social Networks:

Eisenhower State Office Building
700 SW Harrison
Topeka, KS 66603

Kansas Department of Transportation

phone: 785-296-3585
fax: 785-368-7415
www.ksdot.org

Julie Lorenz, Secretary

Laura Kelly, Governor

PARA PUBLICACIÓN INMEDIATA
21 de julio de 2022

Contacto: Steve Hale, Steve.hale@ks.gov

Estipendios están disponibles para organizaciones que participan en Adopt-A-Highway del estado

Las organizaciones han estado ayudando a mantener Kansas limpio durante más de 30 años a través de la participación en el programa Adopt-A-Highway. Con aumento de cantidades de basura a lo largo de las carreteras y personal limitado, el Departamento de Transporte de Kansas ha creado un estipendio de incentivo para los grupos que participan activamente en el programa.

"KDOT aprecia todos los esfuerzos de los voluntarios para ayudar a retirar la basura a lo largo de nuestras carreteras", dijo el Director de Operaciones de Campo, Clay Adams. "Están brindando un servicio valioso al estado. Estos estipendios beneficiarán a los grupos y aumentarán la cantidad de grupos que participan en el programa de limpieza".

El estipendio es de $190 por tramo de carretera, que generalmente es dos millas de distancia. Los grupos de Adopt-A-Highway que reciban $600 o más en pagos en un año calendario recibirán un formulario de impuestos 1099. Los grupos nuevos y existentes podrán enviar una solicitud de pago después de que su grupo complete la limpieza de una carretera. El grupo presentará formularios que identifiquen la ubicación, la fecha, la cantidad de voluntarios y la cantidad de bolsas, y fotos del antes y el después del sitio.

Todos los grupos pasan por el proceso estándar para adoptar un tramo de carretera. Los nuevos grupos firmarán un acuerdo, recibirán información sobre capacitación en seguridad y

seguirán los procedimientos al programar una limpieza. Los grupos existentes continuarán siguiendo los procedimientos existentes. Los empleados estatales y sus familias pueden participar en un grupo, pero no son elegibles para recibir estipendios.

Para obtener más información o para inscribirse, comuníquese con el coordinador de Adopt-A-Highway en la oficina de distrito de KDOT más cercana-

Distrito Uno (noreste de Kansas) - 121 S.W. 21st Street, Topeka, (785) 296-3881
Distrito Dos (centro norte de Kansas) - 1006 N. Third, Salina, (785) 823-3754
Distrito Tres (noroeste de Kansas) - 312 S. Second, Norton, (785) 601-6001
Distrito Cuatro (sureste de Kansas) - 411 W. Fourteenth, Chanute, (620) 902-6400
Distrito Cinco (centro sur de Kansas) - 500 N. Hendricks, Hutchinson, (620) 860-7400
Distrito Seis (suroeste de Kansas) - 121 N. Campus Drive, Garden City, (620) 765-7074

####

Mantengase informado por nuestras redes sociales:

KDOT offers stipend for groups participating in AAH

By Tracy Statton
District Five

Volunteers participating in the Adopt-A-Highway program will now get a little more cash in their pockets due to an initiative to offer stipends for the program.

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The Adopt-A-Highway program started in December 1989. The first pickups started in April 1990. Participation in the program ranges from church and civic organizations, clubs, families, youth groups, employees from businesses and more.

For more information on KDOT's program, click here.

KTA briefs

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From: Dale Kirmer [KDOT] <Dale.Kirmer@ks.gov>
Sent: Thursday, November 3, 2022 12:21 PM
To: Bernardi, Jen
Cc: Dale Kirmer [KDOT]
Subject: Stormwater Awareness Training

Hi,
We do have Stormwater Awareness Training. There were 638 personal trained from Nov. 1, 2021 to Nov. 1 2022.

Best Regards,
Dale Kirmer

Dale Kirmer, P.E. | Staff Engineer, Bureau of Maintenance
O: 785.296-6355
Dale.Kirmer@ks.gov

Kansas Department of Transportation
700 SW Harrison
Topeka, KS 66603

MCM3: Illicit Discharge Detection and Elimination

KDOT shall develop, implement, and enforce a program to detect and eliminate illicit discharges within KDOT maintained right-of-way. This program will focus on informing KDOT employees regarding awareness, identification, and reporting of detected illicit discharges. KDOT continues to maintain maps and records of the stormwater system within KDOT maintained right-of-way.

Reference Table 3.1 below for a list of available BMPs for implementation and their respective descriptions.

Table 3.1 - Available BMPs

Lbmp IDD&E	KDOT Applicability		Description
	Existing	Future	
01	No	No	Hold a public forum to educate public regarding illicit discharge
02	No	No	Implement a program to abandon, upgrade, or replace septic systems
03	Yes	Yes	Develop spill response plan
04	Yes	Yes	Implement a program to evaluate MS4 outfalls
05	No	No	Distribute documentation to residents & businesses in MS4 area
06	Yes	Yes	Inspect 2% of open channel drainage
07	Yes	Yes	Document household hazardous waste collection programs
08	No	No	Implement program to increase reliability of sanitary sewer pump stations
09	Yes	Yes	Provide contribution to area recycle programs
10	Yes	Yes	Inspect 5% of MS4 system inlets and/or outfalls

BMPs identified as applicable to KDOT are described in the following subsections.

Ldmp IDD&E - 03: Develop Spill Response Plan

Measurable Goal: Explanation of appropriate spill response activities

KDOT is committed to identifying and eliminating illicit discharges. Staff are trained to report observed illicit discharge present in the highway right-of-way to their supervisor. The Spill Prevention, Control, and Countermeasure (SPCC) Plan Training is held as part of safety meetings at each Area. Illicit discharges may be observed during weekly dashboard surveys, and would likely be in the form of a right-of-way spill. The supervisor would then report the discharge to the Area Superintendent to address. Each Area maintenance yard has a formal spill response plan. Large spills in the Area yard are reported to KDHE's Spill Reporting Hot Line by calling 785-291-3333 in accordance with the Kansas Spill Notification Plan.

Spills that occur within the right-of-way are typically reported through first responders. The local fire department coordinates spill containment activity. If contacted by first responders, KDOT can assist with containment activities, such as barriers, on request.

2022 Annual Report Update

KDOT continued spill response plans for Area yards.

Ldmp IDD&E - 04: Implement a Program to Evaluate MS4 Outfalls

Measurable Goal: Inspect at least 5% of the known MS4 outfalls, elimate illicit discharge from at least one identified outfall

For this BMP to be relevant in a linear transportation setting, KDOT assumes applicability in the following paragraphs.

KDOT tracks inspections for structures classified as bridges, 10'-20' Series, and structures with openings less than 10-feet. The following software programs are utilized to tracks inspections of MS4 outfalls:

- Bridge Management
- BROMS (Bridge Office Management System)
- MQA (Maintenance Quality Assurance)

The inspections are then recorded in KDOT's Reports Portal.

At the date of this SMP, the following structure descriptions and software programs are as follows:

Bridges

Bridges are classified as structures that have an opening of 20-feet or greater. Inspections are documented through both the BROMS and Bridge Management software. Reference Table 3.2 for bridge inspection frequencies.

Table 3.2 – Bridge Inspection Frequencies

Rating	Rating Description	Inspection Frequency
4-	Poor Condition	Annually
5+	Great Condition	Every 2 years

10'-20' Series

Pipes and culverts greater than or equal to 10-feet but less than 20-feet are classified as 10'-20' Series structures. Inspections are documented through BROMS. Reference Table 3.3 for culvert inspection frequencies.

Table 3.3 – Culvert Inspection Frequencies

Rating	Rating Description	Inspection Frequency
4	Poor Condition	Annually
6	Good Condition	Every 2 years
8	Great Condition	Every 4 years

MQA Program

The purpose of the MQA program is to identify and prioritize maintenance projects and resources. According to the Maintenance Quality Assurance Program Manual (page 28), thirty 0.1-mile sample segments per maintenance subarea are randomly selected using the CANSYS database and rated against a level of service (LOS) criteria. These inspections occur annually in October. Upon completion, KDOT compares the resulting LOS to the target LOS values. The five maintenance categories include travelway, traffic guidance, shoulders, drainage, and roadside.

Drainage is broken up into the following elements: curb & gutter, ditch, erosion control devices, culverts & pipes (excludes serial numbered structures), edge & underdrains, and inlets. A weighting factor of 14% is applied to drainage when determining the LOS. The statewide/district targeted LOS for drainage is 85.

For ditches to pass inspection, 80% of the ditch length must be free of scour more than six inches, blockage, standing water, and obstructions.

For culverts & pipes to pass inspection, they must meet the following LOS criteria:

- 75% of opening is unobstructed
- Functions as intended (check for erosion, scour, settlement at structure inlets and outlets)

For inlets to pass inspection, they must meet the following LOS criteria:

- 75% of cavity per structure is free of debris & operates as intended
- The inlet grate and access cover are present, where applicable
- The unit is structurally sound

Inspections are documented through the MQA inspection form. The purpose of the form is to record whether each element meets the associated LOS criteria. Upon completion, copies of these forms are sent to District MQA committee members and Area Superintendent. The inspection results are reported into KDOT's Report Portals. Original copies of the form are maintained for one-year.

In addition to inspections, KDOT conducts drain and culvert cleanings throughout the year, especially in anticipation of rain/snow events. Drains are cleaned of debris and culverts are repaired to ensure proper flow.

2022 Annual Report Update

Table 3.4 contains information regarding the total structure inspections that occurred in 2022 against the total structures in each urbanized area. This data was pulled from KDOT's Reports Portal for inspections completed between for 2021 and 2022. Reference the attached data for the raw data exported from the Reports Portal.

Table 3.4 – 2021 & 2022 Structure Inspections per Urbanized Area

			2021	2022
Urbanized Area	**County**	**Total Structures**	**Total Inspections**	**Total Inspections**
Kansas City	Johnson, Wyandotte	549	226	298
Lawrence	Douglas	145	3	124
Manhattan	Riley	85	48	34
St. Joseph	Doniphan	49	31	5
Topeka	Shawnee	225	3	203
Wichita	Sedgwick	461	56	350

KDOT manages a report of MQA program roadway segments completed annually.

Weekly dashboard surveys were performed to identify and address issues on each route within the urbanized area.

Ldmp IDD&E - 06: Inspect 2% of Open Channel Drainage

Measurable Goal: Generate a summary report of open channel inspections, which should include the number of linear feet inspected, condition comments, and the results of efforts to eliminate illicit discharges

For this BMP to be relevant in a linear transportation setting, KDOT assumes applicability in the following paragraphs.

KDOT tracks inspections for structures classified as bridges, 10'-20' Series, and structures with openings less than 10-feet. The following software programs are utilized to tracks inspections of open channels:

- Bridge Management
- BROMS (Bridge Office Management System)
- MQA (Maintenance Quality Assurance)

The inspections are then recorded in KDOT's Reports Portal.

Each district completes weekly dashboard surveys of the right-of-way to identify and address issues.

At the date of this SMP, the following structure descriptions and software programs are as follows:

Bridges

Bridges are classified as structures that have an opening of 20-feet or greater. Inspections are documented through both the BROMS and Bridge Management software. Reference Table 3.5 for bridge inspection frequencies.

Table 3.5 – Bridge Inspection Frequencies

Rating	Rating Description	Inspection Frequency
4-	Poor Condition	Annually
5+	Great Condition	Every 2 years

10'-20' Series

Pipes and culverts greater than or equal to 10-feet but less than 20-feet are classified as 10'-20' Series structures. Inspections are documented through BROMS. Reference Table 3.6 for culvert inspection frequencies.

Table 3.6 – Culvert Inspection Frequencies

Rating	Rating Description	Inspection Frequency
4	Poor Condition	Annually
6	Good Condition	Every 2 years
8	Great Condition	Every 4 years

MQA Program

The purpose of the MQA program is to identify and prioritize maintenance projects and resources. According to the Maintenance Quality Assurance Program Manual (page 28), thirty 0.1-mile sample segments per maintenance subarea are randomly selected using the CANSYS database and rated against

a level of service (LOS) criteria. These inspections occur annually in October. Upon completion, KDOT compares the resulting LOS to the target LOS values. The five maintenance categories include travelway, traffic guidance, shoulders, drainage, and roadside.

Drainage is broken up into the following elements: curb & gutter, ditch, erosion control devices, culverts & pipes (excludes serial numbered structures), edge & underdrains, and inlets. A weighting factor of 14% is applied to drainage when determining the LOS. The statewide/district targeted LOS for drainage is 85.

For ditches to pass inspection, 80% of the ditch length must be free of scour more than six inches, blockage, standing water, and obstructions.

For culverts & pipes to pass inspection, they must meet the following LOS criteria:

- 75% of opening is unobstructed
- Functions as intended (check for erosion, scour, settlement at structure inlets and outlets)

For inlets to pass inspection, they must meet the following LOS criteria:

- 75% of cavity per structure is free of debris & operates as intended
- The inlet grate and access cover are present, where applicable
- The unit is structurally sound

Inspections are documented through the MQA inspection form. The purpose of the form is to record whether each element meets the associated LOS criteria. Upon completion, copies of these forms are sent to District MQA committee members and Area Superintendent. The inspection results are reported into KDOT's Report Portals. Original copies of the form are maintained for one-year.

Continued Effort

For the duration of the permit, KDOT will upgrade their Transportation Planning – State System Map to the Stormwater Management Map through the ArcGIS platform. In addition to providing information regarding bridges and 10'-20' Series, this platform will contain culverts with openings less than 10-feet, stormwater infrastructure, etc. Each structure will include the latest inspection information.

2022 Annual Report Update

Table 3.7 contains information regarding the total structure inspections that occurred in 2021 and 2022 against the total structures in each urbanized area. This data was pulled from KDOT's Reports Portal. Reference the attached data for the raw data exported from the Reports Portal.

Table 3.7 – 2021 & 2022 Structure Inspections per Urbanized Area

			2021	2022
Urbanized Area	**County**	**Total Structures**	**Total Inspections**	**Total Inspections**
Kansas City	Johnson, Wyandotte	549	226	298
Lawrence	Douglas	145	3	124
Manhattan	Riley	85	48	34
St. Joseph	Doniphan	49	31	5
Topeka	Shawnee	225	3	203
Wichita	Sedgwick	461	56	350

KDOT manages a report of MQA program roadway segments completed annually.

Weekly dashboard surveys were performed to identify and address issues on each route within the urbanized area.

Ldmp IDD&E - 07: Document Household Hazardous Waste Collection Programs

Measurable Goal: Document that residents and property owners have access to a facility

The following Household Hazardous Waste Collection Programs are listed below in Table 3.8 per urbanized area and are available as of the date of this SMP:

Table 3.8 – Household Hazardous Waste Facilities and Events

Urbanized Area	Permit No.	County	Type	Date	Website
Kansas City	M-KS27-SU01	Johnson	HHW Facility	N/A	Link
		Wyandotte	HHW Facility	N/A	Link
Lawrence	M-KS31-SU02	Douglas	HHW Facility	N/A	Link
Manhattan	M-KS38-SN01	Riley	HHW Facility	N/A	Link
St. Joseph	M-MO05-SU01	Doniphan	Event	4/26-27/22	Link
Topeka	M-KS72-SU02	Shawnee	HHW Facility	N/A	Link
Wichita	M-AR94-SU02	Sedgwick	HHW Facility	N/A	Link

In Districts 1 and 5, batteries are returned 1:1 through the purchasing and parts department. At each districe, a vendor is contracted by KDOT to recycle oil

2022 Annual Report Update

For the 2022 permit year, Kansas City, Lawrence, Manahattan, Topeka, and Wichita offered household hazardous waste collection locations. All continue to be active. Doniphan County, in the St. Joseph urbanized area, offered a household hazardous waste collection on Friday, April 26 and Saturday, April 27, 2022.

Ldmp IDD&E - 09: Provide Contribution to Area Recycle Programs

Measurable Goal: Can be monetary or in the form of goods and/or services

For this BMP to be relevant in a linear transportation setting, KDOT assumes applicability in the following paragraphs.

KDOT offers three programs to address litter and debris along Kansas highways:

Interstate Services

KDOT hires contractors to pick up debris and litter along KDOT roadways in the Kansas City urbanized area.

Adopt-a-Highway

Established in 1989, KDOT's Adopt-a-Highway program encourages citizens to volunteer to pick up litter and trash along state highways. Volunteers are required to pick up litter at least three times for a two-year period. Participants range from families to organizations such as youth groups, businesses, etc. Two-mile segments are the most common, but three-mile and one-mile segments are also an option depending on if it's an urban or rural setting.

Interested groups must complete an application and a release form. Signed by all participants within each group, the release form requires volunteers to agree to remove litter and trash a minimum of three times a year for a two-year period. The release form is then submitted to the nearest KDOT office. Groups who wish to reapply must complete a renewal form.

Additional information regarding the program, including the application form, renewal form, and safety video, can be found here: https://www.ksdot.org/bureaus/burMaint/Adoptahighway.asp.

Sponsor-a-Highway

KDOT's Sponsor-a-Highway program allows business to advertise their company name and logo within view of commuters. In return, the money raised from sponsorships funds litter removal on state highways. It ultimately results in cleaner and improved highways. Benefits of participating in this program include recognition as environmental supporters who support community responsibility.

Additional information regarding the program can be found here: https://www.ksdot.org/bureaus/burMaint/sponsorahighway.asp.

2022 Annual Report Update

In June 2021, KDOT contracted Interstate Business Solutions (IBS) to remove litter and debris from KC metro roadways. The original contract was expanded to include mileage on K10 (4.5 miles), I-70 (2.7 miles), and I-635 (1.3 miles). The contract includes two pickups per month for a total of 68.5 miles at a cost of $933,708 per year.

More information regarding this service can be found here: Litter Removal and Sweeping Services Clean up KC Metro Roadways. The contract with IBS is active through June 2026.

Table 3.9 summarizes litter program activity for the permit period.

Table 3.9 - 2022 Summary of Litter Program Activity

Urbanized Area	Adopt-A-Highway Number of Groups	Sponsor-A-Highway Number of Groups	IBS Litter Removal	Honor Camp – Prison Work Group*
Kansas City	13	19	68.5 miles (clean both directions, 2x/mo)	NA
St. Joseph	2	0	NA	NA
Lawrence	5	1	NA	NA
Topeka	7	1	NA	1 crew (5 days/wk)
Manhattan	7	0	NA	NA
Wichita	7	4	NA	3 crews (4 days/wk)

**KDOT provides the van, trailer, safety equipment, and reimburses the guard's salary for each crew.*

Ldmp IDD&E - 10: Inspect 5% of MS4 System Inlets and/or Outfalls

Measurable Goal: Generate a summary report of inlet and outfall inspections, which should include the number of inlets/outfalls inspected, condition comments, illicit discharges identified, and the results of efforts to eliminate illicit discharges

For this BMP to be relevant in a linear transportation setting, KDOT assumes applicability in the following paragraphs.

KDOT tracks inspections for structures classified as bridges, 10'-20' Series, and structures with openings less than 10-feet. The following software programs are utilized to tracks inspections of MS4 inlets and outfalls:

- Bridge Management
- BROMS (Bridge Office Management System)
- MQA (Maintenance Quality Assurance)

The inspections are then recorded in KDOT's Reports Portal.

At the date of this SMP, the following structure descriptions and software programs are as follows:

Bridges

Bridges are classified as structures that have an opening of 20-feet or greater. Inspections are documented through both the BROMS and Bridge Management software. Reference Table 3.10 for bridge inspection frequencies.

Table 3.10 – Bridge Inspection Frequencies

Rating	Rating Description	Inspection Frequency
4-	Poor Condition	Annually
5+	Great Condition	Every 2 years

10'-20' Series

Pipes and culverts greater than or equal to 10-feet but less than 20-feet are classified as 10'-20' Series structures. Inspections are documented through BROMS. Reference Table 3.11 for culvert inspection frequencies.

Table 3.11 – Culvert Inspection Frequencies

Rating	Rating Description	Inspection Frequency
4	Poor Condition	Annually
6	Good Condition	Every 2 years
8	Great Condition	Every 4 years

MQA Program

The purpose of the MQA program is to identify and prioritize maintenance projects and resources. According to the Maintenance Quality Assurance Program Manual (page 28), thirty 0.1-mile sample segments per maintenance subarea are randomly selected using the CANSYS database and rated against a level of service (LOS) criteria. These inspections occur annually in October. Upon completion, KDOT

compares the resulting LOS to the target LOS values. The five maintenance categories include travelway, traffic guidance, shoulders, drainage, and roadside.

Drainage is broken up into the following elements: curb & gutter, ditch, erosion control devices, culverts & pipes (excludes serial numbered structures), edge & underdrains, and inlets. A weighting factor of 14% is applied to drainage when determining the LOS. The statewide/district targeted LOS for drainage is 85.

For ditches to pass inspection, 80% of the ditch length must be free of scour more than six inches, blockage, standing water, and obstructions.

For culverts & pipes to pass inspection, they must meet the following LOS criteria:

- 75% of opening is unobstructed
- Functions as intended (check for erosion, scour, settlement at structure inlets and outlets)

For inlets to pass inspection, they must meet the following LOS criteria:

- 75% of cavity per structure is free of debris & operates as intended
- The inlet grate and access cover are present, where applicable
- The unit is structurally sound

Inspections are documented through the MQA inspection form. The purpose of the form is to record whether each element meets the associated LOS criteria. Upon completion, copies of these forms are sent to District MQA committee members and Area Superintendent. The inspection results are reported into KDOT's Report Portals. Original copies of the form are maintained for one-year.

2021 Annual Report Update

Table 3.12 contains information regarding the total structure inspections that occurred in 2021 and 2022 against the total structures in each urbanized area. This data was pulled from KDOT's Reports Portal. Reference the attached data for the raw data exported from the Reports Portal.

Table 3.12 – 2021 & 2022 Structure Inspections per Urbanized Area

			2021	2022
Urbanized Area	**County**	**Total Structures**	**Total Inspections**	**Total Inspections**
Kansas City	Johnson, Wyandotte	549	226	298
Lawrence	Douglas	145	3	124
Manhattan	Riley	85	48	34
St. Joseph	Doniphan	49	31	5
Topeka	Shawnee	225	3	203
Wichita	Sedgwick	461	56	350

KDOT manages a report of MQA program roadway segments completed annually. This list for 2021 is provided in the documentation for each urbanized area.

In addition, through the KDOT Utility Permit System (KUPS), 32 staff members are responsible for reviewing utility crossings of KDOT right-of-way for potential cross-connects. Tracking through KUPS, KDOT staff inspects sites where any digging is happening.

Kansas Department of Transportation

Stormwater Management Plan

Minimum Control Measure:
Illicit Discharge

Permit Year:
2022

BMP	Summary	Measurable Goal	KDOT Availability		Reference	How to Report	Claimed	
			Applicable	Points			2022	Points
Lbmp IDD&E - 03	Develop a spill response plan, and if appropriate, coordinate emergency response with other agencies or organizations.	Plan: Explanation of appropriate spill response activities for spills associated with vehicle accidents, at grade or above ground storage tanks, and vehicle fluids from mechanical equipment Plan shall be maintained on file.	Yes	2	KDOT Stormwater Management Plan KDOT Stormwater Management Program Website	1. Stormwater Management Plan: - Spill response plan description -Flowchart of spill response plan 2. Annual Report: -Provide link to flowchart of spill response plan	☐ ☑	2
Lbmp IDD&E - 04	Implement a **program** to evaluate MS4 outfalls to identify illicit discharges. Inspect at least 5% of the known MS4 outfalls during a calendar year; evaluate outfalls with dry weather discharges; evaluate the water quality of the dry weather discharges to recognize non-stormwater sources.	When at least 5% of the known MS4 outfalls are inspected and for which at least one outfall has illicit discharge: Document: -MS4 Outfalls inspected; -outfalls with dry weather discharge; -outfalls with illcit discharge Points claimed in the year the discharge is eliminated.	Yes	1	Reports Portal: Bridges: -Bridges are inspected every 2 years Bridges rated 4 are inspected annually 10'-20' Series: -Culverts are inspected every 4 years -Culverts rated a 6 are inspected every 2 years -Culverts rated a 4 are inspected annually MQA Software: -0.1-mile segments -Drainage: 14% WF -Ditch, culverts/pipes, inlets, etc.	1. Stormwater Management Plan: -Include program descriptions 2. Annual Report -Update *Structure Inspections per Urbanized area* table -Update MQA Inspection Map	☑	1
Lbmp IDD&E - 06	Inspect, by televising pipelines or direct visualization of open channel drainage, 2% of the MS4 system within the permit area. Aid in identifying illicit discharges as well as evaluate the condition of the storm sewer lines/drainage channels-ditches. If in a 12-mo period 10% of the MS4 system is inspected a higher point value may be claimed.	Generate Summary Report: -LF televised or visually inspected -Condition comments -Illicit discharges identified -Results of efforts to eliminate illicit discharges	Yes	3	Reports Portal: Bridges: -Bridges are inspected every 2 years Bridges rated 4 are inspected annually 10'-20' Series: -Culverts are inspected every 4 years -Culverts rated a 6 are inspected every 2 years -Culverts rated a 4 are inspected annually MQA Software: -0.1-mile segments -Drainage: 14% WF -Ditch, culverts/pipes, inlets, etc.	1. Stormwater Management Plan: -Include program descriptions 2. Annual Report -Update *Structure Inspections per Urbanized area* table -Update MQA Inspection Map	☐ ☑	3
Lbmp IDD&E - 07	Implement a Household Hazardous Waste Collection Program or document others have implemented such a program to provide such service to all property owners or residents located within the permit area.	Document the residents and property owners within the MS4 permit area were able to dispose of such waste at the facility during a calendar year. Retain this documentation.	Yes	3	**Kansas City** *Permit# M-KS27-SU01* : -Johnson County -Wyandotte County **Lawrence** *Permit# M-KS31-SU02* : -Douglas/Lawrence Counties **Manhattan** *Permit# M-KS38-SN01:* -Riley County **St. Joseph** *Permit# M-MO05-SU01:* -DoniphanCounty Event **Topeka** *Permit# M-KS72-SU02* : -Shawnee County **Wichita** *Permit# M-AR94-SU02:* -Sedgwick County	1. Stormwater Management Plan: -Provide list of locations per urbanized area and facilities available 2. Annual Report -Save a pdf copy of the HHWP websites for each county -List which urbanized areas had physical locations and which had collection events	☑	3
Lbmp IDD&E - 09	Provide a contribution to area recycle programs or programs designed to properly dispose of types of waste or materials which have previously been discarded to or adjacent to either the MS4, streams, or lakes within or adjacent to the permit area. Must be *w/i* 30 miles from this permit area.	Contributions may be made to programs which take tires, automotive fluids, batteries, or other wastes. Contributions must total a minimum of $500 in the year points are claimed. Can be monetary or in the form of goods and/or services.	Yes	2	Interstate Services -District specific -Hire organizations to clean up litter along KDOT highways Adopt-a-Highway -Yearly announcement encouraging people to sign up -Litter cleanup Sponsor-a-Highway -Businesses pay a monthly fee to advertise on highway -Fee covers picking up trash	1. Stormwater Management Plan: -Describe IBS's contract to clean litter and debris from KC metro roadways -Include program descriptions 2. Annual Report -Save memo describing IBS's litter removal services -Provide # of active groups for both programs -Manage a log that includes active volunteer groups and their assigned highway segments	☐ ☑	2
Lbmp IDD&E - 10	Inspect, 5% of the MS4 system inlets and/or outfalls within the permit area all conducted within a 12-month period to aid in identifying illicit discharges. Higher point values available if 15% of MS4 inlets/outfalls are inspected.	Generate Summary Report: -No. inlets and/or outfalls visually inspected -Condition comments -Illicit discharges identified -Efforts to eliminate illicit discharge	Yes	3	Reports Portal: Bridges: -Bridges are inspected every 2 years Bridges rated 4 are inspected annually 10'-20' Series: -Culverts are inspected every 4 years -Culverts rated a 6 are inspected every 2 years -Culverts rated a 4 are inspected annually MQA Software: -0.1-mile segments -Drainage: 14% WF -Ditch, culverts/pipes, inlets, etc.	1. Stormwater Management Plan: -Include program descriptions 2. Annual Report -Update *Structure Inspections per Urbanized area* table -Update MQA Inspection Map	☑	3

2022 - Illicit Discharge Summary	
Available Points	16
Requirement	7
Claimed Points	14
Meets Requirements	Yes

Example of SPCC Training Log

Kansas
Department of Transportation

Title of Safety Meeting: 11 Spill control Plan (Part 1)

Date Given: 3-14-22

Location: Troy

Supervisor KP

By signing this form I acknowledge attending the safety meeting listed above. My Supervisor has answered any/all questions I have about the material presented in this safety meeting.

Signature (print and sign)	Date
	3-14-22
	3-14-22
	3-14-22
	3-14-22
	3-14-22

Version: 8/27/12

MCM4: Construction Site Stormwater Runoff Control

Provisions of the Federal Clean Water Act and related state rules and regulations require NPDES permit coverage where construction activities disturb one acre or more over the life of a project. KDOT obtains coverage for each project by submitting a Notice of Intent (NOI) to KDHE for authorization under the Kansas Water Pollution Control and NPDES Stormwater Runoff from Construction Activities General Permit. As a "non-traditional" MS4, KDOT does not have the authority to enact ordinances or resolutions requiring erosion or sediment control practices. Construction activities regulated under this program are primarily undertaken by contractors, who are subject to various contract requirements to provide erosion and sediment control appropriate for each project.

Reference Table 4.1 below for a list of available BMPs for implementation and their respective descriptions.

Table 4.1 - Available BMPs

Lbmp CSSRC	KDOT Applicability		Description
	Existing	Future	
01	Yes	Yes	Implement erosion control plan for land disturbances (1+ acres)
02	Yes	Yes	Develop and adopt an erosion and sediment control manual
03	Yes	Yes	Provide training on SWP2 requirements and BMP implementation
04	No	No	Develop site plan review process which considers water quality impacts
05	Yes	Yes	Establish requirements for construction sites to control wastes
06	Yes	Yes	Develop procedures for inspection of construction sites
07	Yes	Yes	Develop a software to track inspections

BMPs identified as applicable to KDOT are described in the following subsections.

Lbmp CSSRC - 01: Implement Erosion Control Plan for Land Disturbances (1+ acres)

Measurable Goal: Enact enforceable measure that requires a Soil Erosion and Sediment Control Plan

Each project disturbing one acre or more is subject to the KDHE general permit requirements. These requirements include developing and implementing a stormwater pollution prevention plan (aka soil erosion and sediment control plan).

Section 901 of KDOT's Special Specifications details stormwater pollution management for land disturbances of greater than or equal to one-acre. The goal of Section 901 is to minimize or eliminate erosion, sediment, and other pollutants in stormwater runoff from construction sites by designing, implementing, inspecting, and maintaining applicable best management practices.

2022 Annual Report Update

Section 901 of KDOT's Special Specifications details stormwater pollution management for land disturbances. Effective January 25, 2022, a revised version of KDOT's Section 901 of the Special Specifications took precedence. With the new Kansas Water Pollution Control General Permit and Authorization to Discharge (General Permit No. S-MCST-2209-1, July 29, 2022) requirements, Section 901 will be revised in 2023. The updates that took precedence in January 2022 are as follows:

- All expected disturbed areas are required to be listed on Form 247
- If the project is less than 17 acres, the Area Engineer and Contractor are required to separate the project by physical features
- Areas of unfinished work must be stabilized or reactivated within seven calendar days of being documented on the Form 247
- The water pollution control manager (WPCM) will either need to be an employee of the Prime Contractor, have their CPESC certification, or be a recognized Kansas Professional Engineer, geologist, Architect, or landscape architect. The WPCM will have to fill out Form 280 – The Water Pollution Control Manager Weekly Report.
- SWPPP Inspections must begin and end during normal business hours. Only one inspection will be paid for per day per project.
- For joint SWPPP inspections, the contractor has 10 calendar days to remedy any deficiencies documented on oversight inspection instead of the normal seven

Lbmp CSSRC - 02: Develop and Adopt an Erosion and Sediment Control Manual

Measurable Goal: Require implementation of BMPs in compliance with manual

KDOT requires contractors to utilize KDOT's landscape standard sheets for implementation of BMPs on sites where land disturbance is greater than or equal to one-acre. Also provided by KDOT is a *Landscape Information Form* spreadsheet. This spreadsheet provides guidance for SWPPP-related quantities (e.g. slope protection, ditch checks, temporary berms, sediment basins, etc.). Both documents adhere to the rules and regulations placed by Section 901 (Stormwater Pollution Management) of the Special Specifications.

KDOT is in the process of updating the Temporary Erosion Control Manual. Last updated in 2007, this manual is undergoing an in-depth review process to emulate the information provided in the landscape standard sheets. It is expected that the updated manual will go into effect in the first quarter of 2023.

2022 Annual Report Update

KDOT continues to utilize the landscape standard sheets for erosion and sediment control implementation on construction projects. Both the standard sheets and *Landscape Information Form* spreadsheet are available on KDOT's website under Standard Drawings: https://kart.ksdot.org/StandardDrawings/StandardDetail.aspx. An account is required to access these documents.

Standard sheets include the following: permanent seeding, flexible channel liners, slope protection, sediment storage basin, biodegradable log ditch checks, rock ditch checks, silt fence, biodegradable logs, inlet protection, temporary stream crossing, temporary slope drain.

It is estimated that the updated Temporary Erosion Control Manual will go into effect in the first quarter of 2023.

Lbmp CSSRC - 03: Provide Training on SWP2 Requirements and BMP Implementation

Measurable Goal: Training must address local requirements for SWP2 plan, BMPs, & permits

KDOT partners with Kansas State University Salina Aerospace and Technology Campus to provide construction stormwater training for KDOT employees, consultants, and contractors. K-State offers online courses, online certification exams, and in-person field trainings.

For those conducting site inspections for compliance with the KDHE general permit, this training is required per KDOT policy. KDOT also requires this training for water pollution control managers (WPCM) and those with the responsibility for SWPPP review and approval.

Learning objectives include:

- Basic principles of erosion, sediment control and non-stormwater/waste management control
- NPDES permit requirements
- Stormwater related KDOT plans, specifications, and procedures
- Inspection requirements and procedures
- Common compliance issues
- BMP installation and inspection (field demonstration)

Located at Seeders Inc in Wichita, Kansas, the field day includes a 3-hour morning or afternoon session. Attendees will gain hands-on experience with proper device installation and inspection, stockpile management, stabilization practices, seed and equipment, and SWPPP inspection requirements.

The exam consists of 40 multiple choice questions and lasts for a duration of one hour. A minimum score of 70% is required to pass. If a minimum score is not achieved, test takers may retake the exam but will be required to wait until the next testing session. This certificate is valid for four years after successfully completing the construction stormwater training.

More information regarding this training can be found here: https://www.salina.k-state.edu/research-training/training-professional-development/certified-inspector-training/courses/construction-stormwater-training.html

2022 Annual Report Update

Construction Stormwater Training was held on March 22-23, 2022 and May 17-18, 2022. A total of 8 in person sessions were held (2 per day). 95 people attended in March and 100 people attended in May for a total of 195 that attended construction stormwater training in 2022.

Lbmp CSSRC - 05: Establish Requirements for Construction Sites to Control Wastes

Measurable Goal: Enact means to control waste at construction sites

Form 247 is mandatory for use on all KDOT owned projects requiring permit coverage. This form is also required for projects owned by a city, county, etc. using contracts administered by KDOT.

Established on August 7, 2013, this form was distributed to all KDOT field offices and made publicly available on KDOT's website. This form was also included in the Environmental Inspector Training materials. Form 247 was revised in March 2018 to provide clarification and address questions.

Form 247

The instructions for Form 247 include the inspection procedures and guidance. Waste control and housekeeping measures are found on tab titled "GENERAL – 247A". Instructions for this tab can be found on page one of the instructions under Overall Site Issues. This section is dedicated to the "big picture" items as well as general housekeeping issues.

The "GENERAL – 247A" tab covers the requirements for controlling wastes on construction sites and to prevent reentry into the MS4 permit area. The following items are included in this inspection:

- Discarded building materials
- Concrete
- Truck washout
- Chemicals
- Litter
- Sanitary waste

The inspector may also include observations and remarks for each activity.

2022 Annual Report Update

Both Form 247 and Form 247 Instructions are made available to the public on KDOT's Construction Stormwater and Pollution Control website. The documents can be found here: https://www.ksdot.org/bureaus/burConsMain/Connections/swppp.asp.

With the new Kansas Water Pollution Control General Permit and Authorization to Discharge (General Permit No. S-MCST-2209-1, July 29, 2022) requirements, Section 901 (in KDOT Construction Specifications) and Form 247 will potentially be revised in 2023.

Lbmp CSSRC - 06: Develop Procedures for Inspection of Construction Sites

Measurable Goal 1: Procedures must address administrative aspects, issuance of inspection reports, notices of violations, and enforcement actions

Measurable Goal 2: Inspection guide must provide guidance on how to conduct site inspections, required procedures, guidance on acceptable BMP conditions, guidance on enforcement actions, guidance on photo log, and inspection checklists

Form 247 is mandatory for use on all KDOT owned projects requiring permit coverage. This form is also required for projects owned by a city, county, etc. using contracts administered by KDOT.

Established on August 7, 2013, this form was distributed to all KDOT field offices and made publicly available on KDOT's website. This form was also included in the Environmental Inspector Training materials. Form 247 was revised in March 2018 to provide clarification and address questions.

Form 247 Instructions

The instructions for Form 247 include the inspection procedures and guidance. Reference the following pages for further guidance:

- General Form Instructions: Page 1
    - Provides guidance for the following:
        - Cover and Certification
        - Sediment Control and Other Structural BMPs (acceptable BMP conditions)
        - Rainfall Log
        - BMP Deficiencies (includes corrective actions for site violations)
- Post-Construction (PC) Inspections: Page 4
- Permit Termination: Page 4

Form 247

KDOT's Form 247 requires inspectors to document conditions for construction sites. This form is divided into the following key elements:

- General Issues/Housekeeping
- Disturbed Areas/Site Erosion
- Sediment Control and Other Structural BMPs
- Rainfall Log
- BMP Deficiencies

According to Section 901 (in KDOT Construction Specifications), inspections are to be performed every two weeks.

In addition to meeting the requirements of the Specifications, the procedures require that the contractor jointly participate in all project inspections. This requirement is intended to promote collaboration in the evaluation and decision process, and for the contractor to be immediately aware of identified deficiencies. Photos are encouraged with form submissions.

2022 Annual Report Update

Both Form 247 and Form 247 Instructions are made available to the public on KDOT's Construction Stormwater and Pollution Control website. The documents can be found here: https://www.ksdot.org/bureaus/burConsMain/Connections/swppp.asp.

With the new Kansas Water Pollution Control General Permit and Authorization to Discharge (General Permit No. S-MCST-2209-1, July 29, 2022) requirements, Section 901 (in KDOT Construction Specifications) and potentially Form 247 will be revised in 2023.

Lbmp CSSRC – 07: Develop a Software to Track Inspections

Measurable Goal: Tracking system must schedule inspections & follow-up activities

KDOT requires all completed inspection reports to be submitted to the Area Engineer and the contractor's Water Pollution Control Manager within 24 hours of each inspection. Within three days, the Area Engineer is responsible for signing the inspection report and submitting it to the following email address: KDOT.stormwaterinspection@ks.gov. A disincentive assessment may be issued if the inspection report is not submitted on time.

This methodology offers the Stormwater Compliance Engineer (SWCE) the ability to track the inspection process as well as provide any additional reviews. To assist the SWCE with the tracking and review of inspection reports, an Engineering Technician Specialist is assigned. This position is part-time and is from the Bureau of Construction Materials. The reports are left in the email and the original reports are to remain onsite.

2022 Annual Report Update

During the 2022 permit year, KDOT managed a spreadsheet that tracks inspections on active projects.

Table 4.2 – KDOT Inspection Tracking for Active Projects

Route	Co Num	Project	Area	Description	Disturbed acres	Kansas Permit	Fed Permit	Contractor	Contract #	Letting Date	NOTPR	NOTAC	Permit Rec	# of Inspections
10	46	KA-6796-04	12	Emergency Repair /Ramp Improvements K-10/Lexington Ave in Desoto	6.1	S-KS12-0086	KSR121013	CLARKSON CONSTRUCTION COMPANY	12246796	05-Oct-22	10/25/22		11/14/22	2
69	46	KA-5700-03	12	US-69 from 151st St N to 103rd St and Reconst the 167th St Interchange.	416.0	S-M039-0600	KSR120241	US 69 Express Construction, Jt Venture	2255700	01-Aug-22	11/03/22	11/30/26	01/21/22	0
18	81	KA-3080-01	15	Bridges #28 and #29 Over Wildcat Creek .56 and .57 Mi E of K-113 Junction	8.1	S-KS38-0396	KSR115080	EBERT CONSTRUCTION COMPANY INC & SUBSIDIARY	520032151	14-Feb-20	05/11/20	04/28/22	10/22/19	91
235	87	KA-3232-02	55	Reconst I-235/I-135/K254/K-96 Interchange in NE Wichita (Gold Project)	103.0	S-AR94-1769	KSR120654	BERGKAMP KING, A JOINT VENTURE, LLC	522112535	19-Oct-22	02/15/23	12/11/26	07/05/22	0
254	87	KA-5554-01	55	Sedgwick: K-254 at Rock Road Construct EB right turn lane and WB right turn taper on K-254	3.7	S-LA09-0023	KSR 116 223	Pearson Construction LLC	522016595	19-Jan-22	08/01/21	06/20/22	02/19/21	21
235	87	KA-3232-03	55	Construct the NB I-135 to SB I-235 flyover ramp, including the connection from NB I-135 with a new bridge over the North Chisholm Creek crossing, and the SB I-135 to SB I-235 directional ramp	78.5	S-LA20-0068	KSR 116 020	DONDLINGER & SONS CONSTRUCTION CO INC	521022575	15-Feb-21	04/15/21	08/25/23	11/19/20	65
70	89	KA-1266-06	14	I-70 Polk/Quicy Viaduct ROW/Building Demolition	10.2	S-KS72-0708	KSR120214	BETTIS ASPHALT & CONSTRUCTION INC	522032121	16-Mar-22	09/06/22	05/02/23	12/16/21	9
32	105	KA-3079-01	13	Bridge Replacements of Br 104 and 105 on K-32 at Turner Diagonal (K-32 EB and WB lanes)	12.9	S-KS27-0329	KSR 120 090	MILES EXCAVATING INC	522062161	15-Jun-22	10/03/22	11/22/24	10/25/21	3
U073	105	KA-5241-01	13	US-73 & Parallel PKWY, Construct a signalized Restricted (reduced conflict) Crossing intersection at US-73/K-7 & Parallel Pkwy and improve vertical alignment to improve sight distance	23.2	S-KS04-0100	KSR 116 311	MILES EXCAVATING INC	522062171	15-Jun-22	09/01/22	09/01/23	02/23/21	6
73	105	KA-5498-01	13	Const turn lanes and US-73/K-7 and Hollingsworth Rd	1.1	S-KS27-0335	KSR120589	MILES EXCAVATING INC	522032191	16-Mar-22	07/05/22	2/15/2023	05/10/22	9

When the new Temporary Erosion Control Manual goes into effect in first quarter of 2023, KDOT will inspect construction sites every 7 days, regardless of rainfall. This required inspection interval will provide KDOT more oversight and assurances that erosion and sediment control measures are continually being maintained and installed on construction sites. The new Temporary Erosion Control Manual reflects requirements in the Kansas Water Pollution Control General Permit and Authorization to Discharge (General Permit No. S-MCST-2209-1, July 29, 2022).

Kansas Department of Transportation

Stormwater Management Plan

Minimum Control Measure:
Construction Site Runoff

Permit Year:
2022

BMP	Summary	Measurable Goal	KDOT Availability		Reference	How to Report	Claimed	
			Applicable	Points			2022	Points
Lbmp CSSRC - 01	Implement a requirement for a Soil Erosion and Sediment Control Plan for any land disturbance sites which are greater than or equal to 1 acre.	Enact enforcable measure that requires a Soil Erosion and Sediment Control Plan for construction activity disturbing equal to or greater than 1 acre	Yes	2	Section 901 Stormwater Pollution Management	1. Stormwater Management Plan: -Describe purpose of Section 901 2. Annual Report: -Section 901	☑	2
Lbmp CSSRC - 02	Develop and adopt a design manual for erosion and sediment control BMPs which are required to be used on sites on which disturbance will be equal to or greater than 1 acre.	Require implementation of BMPs in compliance with design manual	Yes	2	Section 901 Stormwater Pollution Management	1. Stormwater Management Plan: -Describe standards & information spreadsheet 2. Annual Report: https://www.ksdot.org/bureaus/burMaint/nonhighwayuseofRoW.asp	☑	2
Lbmp CSSRC - 03	Provide access to at least one training class for contractors / developers which provides training on requirements for a SWP2 and implementation of appropriate BMPs.	Training must: Address all local requirements for a SWP2 Plan Requirements for BMPs Permit Requirements	Yes	3	Kstate Polytechnic Campus - Construction Stormwater Training	1. Stormwater Management Plan: -Describe Construction Stormwater Training course 2. Annual Report: -Include log of training dates	☑	3
Lbmp CSSRC - 05	Establish effective requirements for construction sites to control wastes. Develop enforceable means requirements for construction site Operators or owners to control wastes. At a minimum control shall be imposed to prevent entry into the MS4 for the following wastes: **Discarded building materials** **Concrete** **Truck washout** **Chemicals** **Litter** **Sanitary waste**	Enact means to control wastes at construction sites	Yes	2	KDOT Form 247: -Instructions KDOT Form 247: -Excel File	1. Stormwater Management Plan: -Describe Form 247, inspection procedures, and instructions 2. Annual Report: -Include link to Form 247 instructions and template	☑	2
Lbmp CSSRC - 06	Develop written procedures for inspection of construction sites. Develop a Stormwater Construction Site Inspection Guide for use by inspectors.	Procedures **must:** Address administrative aspects with required inspections Issuance of inspection repots Notices of violations Enforcement actions Inspection Guide **must:** Provide guidance on how to conduct a construction site stormwater inspection Required procedures and guidance on acceptable conditions of BMPs employed on site Enforcement actions and/or reference of cases for enforcement by other staff Guidance on photo log of the inspection Inspection checklists	Yes	2	KDOT Form 247: -Instructions KDOT maintains an Inspection Log	1. Stormwater Management Plan: -Describe Form 247, inspection procedures, and instructions 2. Annual Report: -Include link to Form 247 instructions and template	☑	2
Lbmp CSSRC - 07	Acquire or develop a software tracking system to track inspections and related tasks.	Tracking system must: Schedule inspections Schedule follow-up activities (re-inspections, mailing notices or reports)	Yes	1	KDOT Tracking Spreadsheet- Excel File	1. Stormwater Management Plan: -KDOT Tracking Spreadsheet 2. Annual Report: -KDOT Tracking Spreadsheet	☑	1

2022 - Construction Site Runoff Summary	
Available Points	12
Requirement	4
Claimed Points	12
Meets Requirements	Yes

Future Efforts	
BMP	**Decription**
Lbmp CSSRC - 02	**2023:** Update the Temporary Erosion Control Manual *(last updated in 2007)* ; include language that ties it to Section 901
Lbmp CSSRC - 07	**2023:** Finalize ASHTOware software so that it can be claimed as the inspection tracking system

SECTION 901

STORMWATER POLLUTION MANAGEMENT

901.1 DESCRIPTION

Design, implement, inspect and maintain appropriate best management practices to minimize or eliminate erosion, sediment and other pollutants in stormwater runoff from the project.

BID ITEMS	UNITS
SWPPP Design	Lump Sum
SWPPP Inspection	Each
Water Pollution Control Manager	Each
Stormwater Compliance Disincentive Assessment	Lump Sum

901.2 MATERIALS

None Required.

901.3 CONSTRUCTION REQUIREMENTS

a. Permits.

(1) Projects with 1.0 acre or more of erodible surface: KDOT (or the local governmental agency) will submit the Notice of Intent (NOI) for authorization to discharge stormwater runoff from construction activities in accordance with the Kansas Water Pollution Control General Permit. This authorization does not cover Contractor plant sites and Contractor-Furnished borrow and waste sites outside the project limits.

(2) Projects with less than 1.0 acre of erodible surface: Kansas General Permit coverage is not required. The Contractor is required to comply with **subsection 901.3b.** and use appropriate Best Management Practices (BMPs) to minimize stormwater pollution.

A Storm Water Pollution Prevention Plan (SWPPP) (**subsection 901.3c.)** is not required.

Inspection and Maintenance Reports (**subsection 901.3e.)** are not required.

A Water Pollution Control Manager (**subsection 901.3d.**) is not required.

Stormwater Erosion Control Conferences (**subsection 901.3f.**) are not required.

b. General. When Contractor-furnished borrow or plant sites are outside the project limits, obtain all required permits and clearances required for compliance, **SECTION 107**. Provide copies of all such permits and clearances to the Engineer.

Take all measures necessary to minimize or eliminate erosion, sediment and other pollutants in stormwater runoff from the project and project related borrow areas.

Assume responsibility for inspection and maintenance of all erosion and sediment control measures within the project limits, whether originally implemented by the Contractor, KDOT or a third party. Obtain information regarding the SWPPP and active Best Management Practices (BMPs) from the Area Engineer. Maintenance or removal of BMPs not installed by the Contractor may be considered Extra Work, **SECTION 104**, unless addressed by other items of the contract (e.g. sediment removal).

Install devices to establish a perimeter control of the project in areas where it is anticipated that stormwater runoff will leave the project. Install perimeter control devices prior to or simultaneously with the clearing and grubbing operations. Do not perform grading until perimeter control devices are in place and approved by the Engineer.

Unless requested in writing from the Contractor, and approved in writing by the Engineer, or specified otherwise in the Contract Documents, do not exceed 750,000 square feet of surface area of erodible earth material per equipment spread at one time. The Engineer will limit the surface area of erodible earth material exposed by clearing and grubbing, excavation, borrow (within right-of-way) and embankment operations. Limit the exposed erodible earth material according to the capability and progress, and in keeping with the approved schedule.

Areas will not count toward the 750,000 square feet limit, when the following conditions are met:

For areas that will not be disturbed again due to project phasing:

- Finish grade the completed area;

- Stabilize and maintain stabilization according to **SECTION 902**; and
- Do not disturb the area again without a written request from the Contractor and written approval from the Engineer;

For areas that will be disturbed again due to project phasing:

- Rough grade; and
- Stabilize and maintain stabilization according to **SECTION 902**.

DO NOT clear and grub areas unless work will actively be performed in the exposed area (or portions of the exposed area) within 7 calendar days on exposed steep slope areas (40% or greater) or within 14 calendar days for all other exposed areas.

If areas are cleared and grubbed and not finish graded, not part of project phasing and no meaningful work toward the completion of the bid item is performed within the exposed area (or portions of the exposed area) for 7 calendar days on exposed steep slope areas (40% or greater) or 14 calendar days for all other exposed areas, stabilize and maintain stabilization of the exposed areas according to **SECTION 902** at no cost to KDOT.

If on-site or state-furnished off-site borrow areas are to be excavated below the ground water elevation, construct a temporary berm around the borrow area to prevent stormwater runoff from entering the excavated area.

Do not ford live streams with construction equipment.

Restrict construction operations in rivers, streams and other water impoundments to those areas that must be entered for the construction of temporary or permanent structures. Only use clean aggregate fill for temporary crossing, work platforms, etc. When no longer required, promptly remove all falsework, piling, temporary crossings and other obstructions caused by the construction.

Where practical, do not store equipment or materials (including soil stockpiles) within 50 feet of rivers, streams or other surface waters. Avoid storing equipment or materials (including soil stockpiles) in flowlines of ditches or other drainage courses. Where such storage is necessary, obtain the Engineer's written approval and include in the project SWPPP appropriate best management practices for the storage area.

Install and maintain temporary erosion and pollution control devices as shown in the Contract Documents, **SECTION 902**, the SWPPP and as directed by the Engineer.

Implement temporary erosion and pollution control with best management practices (BMPs) as described in the SWPPP.

At a minimum, perform the following:

- Use temporary best management practices to minimize or eliminate pollutant discharge resulting from the construction of the project;
- Use temporary best management practices to prevent contamination of adjacent streams or other watercourses, lakes, ponds or other areas of water impoundment;
- Coordinate temporary best management practices with the construction of permanent erosion control features to provide continuous erosion control;
- Schedule construction of drainage structures and permanent erosion control features as soon as practicable; and
- Immediately initiate placement of appropriate erosion control Best Management Practices (BMPs) in any exposed steep slope areas (40% or greater) where construction activities have permanently or temporarily ceased, and will not resume for a period exceeding 7 calendar days. For vegetative cover areas, in addition to seeding, watering, mulching, and any other required activities related to the planting and establishment of vegetation, utilize other appropriate erosion control practices such as geotextiles or erosion control mats.
- Immediately initiate temporary stabilization on areas that have been disturbed after construction activities have permanently ceased on that portion of the project site. Immediately initiate temporary stabilization measures on areas that have been disturbed after construction activities have temporarily ceased on that portion of the project site if construction activities will not resume for a period exceeding 14 calendar days. Temporary stabilization may include temporary seeding, geotextiles, mulches or other techniques to reduce or eliminate erosion until either final stabilization can be achieved or until further construction activities take place to re-disturb the area.

Notify the Engineer in writing within 24 hours of any chemical, sewage or other material spill which is required to be reported to the KDHE under part 10 of the NPDES permit. The notification shall include at a

minimum the material spilled, location of the spill, and a description of containment or remediation actions taken. This notice to the Engineer does not relieve the Contractor of responsibility to report to the KDHE or to any other agency.

If temporary erosion and pollution control is not implemented and maintained according to this specification, the approved SWPPP, or the NPDES permit, the Area/Metro Engineer may suspend all or part of the work on the project until conditions are brought into compliance, as determined by the Area/Metro Engineer.

KDOT will not issue the Notice of Acceptance, **SECTION 105**, until all necessary maintenance, corrective actions, removal of unnecessary devices and temporary stabilization is completed for the project. Failure to complete this work within the contract time may result in liquidated damages, **SECTION 108**.

All SWPPP related documentation including the original SWPPP, all revisions/amendments, and inspection reports shall be retained by the Engineer upon Acceptance of the project.

c. Project Storm Water Pollution Prevention Plan (SWPPP). Before the preconstruction conference, submit to the Field Engineer a minimum of 3 original copies of the SWPPP. No contract work may begin until the Field Engineer has approved the SWPPP.

Design the SWPPP to comply with the NPDES permit for the project. At a minimum, the project SWPPP shall include:

- the SWPPP Inspection and Maintenance Report Forms (KDOT Form No. 247);
- The planned sequence of major construction activities;
- the Contractor's Erosion Control Site Plan;
- the SWPPP Contractor Certification Form 246. The Contractor and all subcontractors are required to certify that they understand the terms and conditions of the general NPDES permit. The Engineer will provide the SWPPP Certification Form (Form No. 246), or it can be found on the KDOT Internet;
- a copy of the Project Notice of Intent Form (NOI) for Stormwater Runoff from Construction Activities. (obtained from KDOT);
- An acknowledgement that State and Local requirements have been included in the SWPPP. Review all applicable permits (Corps of Engineers, Department of Agriculture, etc.) for special conditions affecting stormwater pollution control;
- Reference Contract Documents pertaining to temporary erosion and water pollution control. KDOT standard specifications, contractual special provisions and the policy on Storm Water Discharges can be found on the KDOT Internet at www.ksdot.org;
- A detailed description of Best Management Practices (BMPs) which will be used one or more times at the site for erosion and sediment control. Design, install and maintain BMPs to:
  - Control stormwater volume and velocity within the site;
  - Control stormwater discharges;
  - Minimize the amount of soil exposed during construction activity;
  - Minimize the disturbance of steep slopes (slopes of 40% or greater);
  - Minimize sediment discharges from the site;
  - Control discharges from sediment or soil stockpiles;
  - Minimize the generation of dust;
  - Minimize off-site tracking of soils;
  - Provide storm drain inlet protection for inlets down gradient of sites not fully stabilized or where construction will soon be started;
- Design, install, implement and maintain additional BMPs to minimize or eliminate contamination of stormwater runoff to:
  - Minimize discharge of pollutants from equipment and vehicle washing;
  - Minimize the exposure of construction waste, trash, pesticides, herbicides, detergents, sanitary waste and other materials present on the site to precipitation and to stormwater;
  - Minimize the discharge of pollutants from spills and leaks and implement chemical spill and leak prevention and response procedures;
  - BMPs in this category include but are not limited to:
    - Waste management including trash containers and regular site cleanup for proper disposal of solid waste such as scrap material, product/material shipping waste, food containers and cups;
    - Containers and proper disposal for waste paints, solvents, and cleaning compounds;

- Portable toilets for proper disposal of sanitary waste;
- Storage for construction materials away from drainage courses and low areas.

Update the erosion control site plan as work progresses to show changes due to revisions in work schedules or sequence of construction, or as directed by the Engineer. Update the site map to reflect erosion control devices that have been installed or removed.

d. Water Pollution Control Manager. Designate a Water Pollution Control Manager (WPCM) who shall visit the project during normal work hours on a frequent basis and in no instance less than once per week until all physical work is complete and the Engineer issues the Notice of Acceptance or a partial Notice of Acceptance. The required 180 day observation period for pavement markings is not considered to be physical work. The WPCM shall thoroughly review the project and SWPPP documentation during these site visits to verify the Contractor's compliance with this specification and with the NPDES permit. In addition, the WPCM shall:

- Have the authority to supervise all work performed by the Contractor and subcontractors that involves stormwater requirements or affects stormwater compliance;
- Have the responsibility to order Contractor employees and subcontractors to take appropriate corrective action to comply with stormwater requirements, including requiring any such person to cease or correct a violation of stormwater requirements and to order or recommend such other actions or sanctions as necessary to meet stormwater requirements;
- Be familiar with the Project SWPPP;
- Be responsible for updating the Project SWPPP and site maps to accurately reflect the BMPs in use on the project;
- Be the point of contact for KDOT regarding stormwater compliance;
- Have completed KDOT's Environmental Inspector Training (EIT) and Environmental Manager Training (EMT) programs within the 12 months prior to beginning construction activities. Maintain these certifications for the duration of the project;
- Review and sign SWPPP inspection reports within 3 days after receiving such reports, acknowledging awareness of any deficiencies and ensuring the correction of all deficiencies.
- Maintain and monitor an active email account capable of receiving electronic communications including inspection reports, photos and other documents relevant to stormwater compliance.

The WPCM may, when approved by the Engineer, perform SWPPP Inspections according to **subsection 901.3e**.

Immediately notify the Engineer in writing if the designated WPCM is replaced. The replacement WPCM shall comply with the above requirements, except that they shall have completed the training requirements within the 12 months prior to assuming WPCM duties. The notification shall include training certificates and contact information for the replacement WPCM.

e. SWPPP Inspections. The Contractor's Environmental Inspector shall have completed KDOT's Environmental Inspector Training (EIT) and maintain a current certification while performing SWPPP Inspections.

KDOT's Inspector and the Contractor's Environmental Inspector shall perform a joint inspection of the temporary erosion and pollution control devices every 14 days during normal work hours and within 24 hours of a rainfall event of ½ inch or more. Continue inspections at this frequency until all physical work is complete and the Engineer issues the Notice of Acceptance or a partial Notice of Acceptance. The required 180 day observation period for pavement markings is not considered to be physical work.

Document the SWPPP inspections on KDOT Form 247, (SWPPP Inspection and Maintenance Report). KDOT and Contractor Inspectors shall each sign the report.

Correct any deficiencies noted during a SWPPP Inspection within 7 days of the inspection despite weather conditions that make it difficult (but not impossible) to perform corrections. No additional time shall be granted for making corrections on the basis of weather unless it is physically impossible due to flooding or frozen ground conditions for the Contractor to complete the corrections within the 7 days allowed. No additional time will be granted to complete corrective actions unless approved by the Stormwater Compliance Engineer.

Submit completed copies of KDOT Form 247 to the Area/Metro Engineer and the Contractor's WPCM within 24 hours after an inspection has been made.

The WPCM shall review and sign the report within 3 calendar days of receiving the completed inspection report. The WPCM's signature acknowledges awareness of all reported deficiencies and corrective actions required to be taken within 7 calendar days of the inspection.

The Contractor Inspector's signature acknowledges awareness of all reported deficiencies and corrective actions required to be taken within 7 calendar days of the inspection.

The obligation to conduct formal inspections and complete an associated report every 14 days and within 24 hours of a rainfall event of ½ inch or more does not limit or otherwise modify the Contractor's obligation to monitor and maintain temporary erosion and pollution control devices daily.

f. Stormwater Erosion Control Conferences. Each project shall have a stormwater erosion control pre-construction conference before the start of construction activities.

KDOT and the Contractor shall also hold stormwater erosion control conferences before the start of each major phase of construction and before the winter shutdown period begins.

These conferences shall be attended by the KDOT Area/Metro Engineer, the WPCM, and Environmental Inspector(s) for the Project, and any erosion control subcontractor(s). The attendance sheet and minutes of the conference will be kept in the SWPPP notebook.

g. Stormwater Compliance Disincentive Assessment. If deficiencies noted during SWPPP inspections performed according to **subsection 901.3e.** are not corrected within 7 calendar days of the inspection, the Contractor shall be liable for a disincentive assessment. The disincentive assessment charged and owing shall be fifty dollars ($50) per day for each deficiency not corrected.

Should an event causing flooding or frozen ground conditions make it impossible to perform corrections within the allowed time, notify the Area/Metro Engineer and the Stormwater Compliance Engineer within 48 hours of the event. Within 3 days of the notification, submit in writing an explanation and description of the reasons for the delay; the anticipated duration of the delay; all actions taken or to be taken to prevent or minimize the delay; and a schedule for implementation of any measures to be taken to prevent or mitigate the delay. Include with the submittal any relevant documentation supporting the claim that the delay is due to impossible conditions and that best efforts were made to complete the required corrections and to minimize any delay to the extent possible. No additional time will be granted to submit the required information unless approved in writing by the Stormwater Compliance Engineer.

The Engineer will deduct and withhold from contract funds the Stormwater Compliance Disincentive Assessment under **subsection 901.3g**. The assessments are to be computed in the same manner as damages under **SECTION 108** (Liquidated Damages and Disincentive Assessments) except calendar days include Sundays, Holidays and the Winter Holiday Period. If contract funds are insufficient, the Contractor shall pay KDOT the balance owed. If the Contractor fails to pay KDOT the amount owed within 10 days after demand from KDOT, the Contractor shall be considered in breach of contract under **SECTION 108**.

The disincentive assessments under **subsection 901.3g.** are in addition to federal and state statutory penalties and fines that are allowed against the Contractor under the Clean Water Act and other environmental laws for violations of those laws. See also **subsection 901.3h**.

h. Penalties and Fines. Nothing in **SECTION 901** prevents KDHE, EPA or both from assessing penalties and fines against the Contractor because of the Contractor's failure to comply with applicable laws, regulations, ordinances, NPDES permit, other permits, the SWPPP, governmental administrative compliance orders or corrective orders for the Project, or a combination thereof.

Nothing in this **SECTION 901** prevents KDHE, EPA, or both from assessing penalties and fines against the Contractor because of the Contractor's failure to comply with an administrative claims settlement or consent decree that governs KDOT projects and that is included in the Proposal Form or that is added "Extra Work", **SECTION 104**.

Understand that penalties/fines may be imposed against KDOT, the Contractor, or both because of "shared" responsibility/liability under applicable environmental law, regulations, ordinances; the NPDES permit, other permits, the SWPPP, administrative corrective action orders, administrative claims settlements, consent decrees, legal judgments or a combination thereof. The Contractor shall have no claim that such shared responsibility/liability voids the Contractor's liability for disincentive assessments under **subsection 901.3g.** or for penalties/fines under **subsection 901.3h**.

901.4 MEASUREMENT AND PAYMENT

The Engineer will measure each SWPPP inspection performed in compliance with this specification.

The Engineer will measure each Water Pollution Control Manager (WPCM). Each is defined as each calendar week (Sunday-Saturday) that the Contractor provides a WPCM according to **subsection 901.3.d**. Each week will be measured only once, regardless of the number of site visits or time spent performing WPCM duties for that week.

The Engineer will measure SWPPP design for payment as a lump sum upon the Area Engineer's approval. All revisions or updates to the SWPPP shall be subsidiary.

The Engineer will assess disincentives under the bid item "Stormwater Compliance Disincentive Assessment" by the Lump Sum.

MCM5: Post-Construction Stormwater Runoff

KDOT shall develop, implement, and enforce a program to manage post-construction stormwater runoff within KDOT right-of-way. This program will focus on implementing and enforcing a Stormwater Control Measure Manual for the purpose of providing guidance on the design, construction, and maintenance of stormwater control measures (SCMs). During the permit duration, KDOT will implement an Operations & Maintenance (O&M) plan to preserve the functionality of SCMs.

Reference Table 5.1 below for a list of available BMPs for implementation and their respective descriptions.

Table 5.1 - Available BMPs

Lbmp P-CSM	KDOT Applicability		Description
	Existing	Future	
01	Yes	Yes	Develop and adopt custom Post-Construction Stormwater Management manual
02	Yes	Yes	Develop a list of post-construction structural or non-structural BMPs
03	No	Yes	Develop and implement a program to ensure long-term operation & maintenance of BMP facilities
04	No	No	Develop a plan which establishes zoning and development standards
05	No	Yes	Develop and implement a program for inspection of permittee owned structural BMPs
06	No	No	Develop and implement a program for inspection of privately owned structural BMPs
07	No	No	Enact enforceable requirement which requires installation of pervious surfaces on property
08	No	No	Implement a program to encourage residents to install stormwater BMPs

BMPs identified as applicable to KDOT are described in the following subsections.

Lbmp P-CSM - 01: Develop and Adopt Custom Post-Construction Stormwater Management Manual

Measurable Goal: Capture at least the first 0.5" of precipitation on the project site. Reduce peak stormwater flow rate through BMP implementation to a rate equal to or less than conditions prior to project

In 2021, KDOT developed and implemented the Stormwater Control Measure Manual. The purpose of this manual is to provide guidance on the design, construction, and maintenance of stormwater control measures (SCMs) within KDOT's right-of-way. Also known as best management practices (BMPs), SCMs are techniques used for post-construction stormwater management to reduce the volume of stormwater runoff and prevent adverse water quality into local MS4s.

The Stormwater Control Measure Manual is required when a project disturbs one acre or greater of land during construction. The manual requires that the project site capture at least the first 0.50" of precipitation that falls over the project area. Once the post-construction requirement is triggered, SCMs should be given preference in the following sequence:

- Preference 1: Preserve or Re-Establish Vegetation
- Preference 2: Design Infiltration Practice
- Preference 3: Reduce Peak Flow Rates

Preference 1 prioritizes preserving or re-establishing vegetation along the project site. In the Stormwater Control Measure Manual, Table 2.2 of Section 2 provides the maximum loading ratio permitted for the SCM in this Preference, also reprinted here as Table 5.2. The loading ratio represents the impervious tributary area: SCM footprint. The following SCM is to be utilized for Preference 1:

- Stormwater Right-of-Way

Table 5.2 - Preference 1 SCM Loading Ratio (Stormwater Control Measures Manual, Version 1, 2022)

Stormwater Control Measure	Maximum Loading Ratio[1]
Stormwater Right-of-Way A median, shoulder, or other right-of-way section that directly receives stormwater runoff from tributary impervious areas. A Stormwater Right-of-Way, for the purposes of a stormwater control measure, is measured from the edge of pavement to the lowest point of the right-of-way section, extending through the lowest elevation.	5:1

[1]Loading Ratios have been adapted from the *NCHRP Guidance Manual* (Table 23, NCHRP 2019)

Preference 2 prioritizes designing infiltration practices to capture the runoff volume. The stormwater runoff volume and the SCM volume is calculated to capture of the first 0.5" of precipitation that falls over the project area. The following SCMs are to be utilized for Preference 2:

- Infiltration Trench
- Bioretention

If Preference 1 or 2 cannot be implemented, the designer shall implement Preference 3 to reduce peak stormwater flow rate to a value equal to or less than the rate which would be experienced on the site prior to the project. The designer shall manage the stormwater runoff from the project site for a 50% probability exceedance event based on NOAA Atlas 14, 6-hour duration, median first quartile peak rainfall intensity to a 50% probability of exceedance, pre-project rate. The following SCMs are to be utilized for Preference 3:

- Detention Basin
- Constructed Wetland

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Developed in 2021, the Stormwater Control Measure Manual is used when a project disturbs one acre or greater of land during construction on a route within the permitted urbanized area. The purpose of this manual is to provide guidance on the design, construction, and maintenance of stormwater control measures (SCMs) within KDOT's right-of-way. The manual was utilized for the entirety of 2022.

The Stormwater Control Measure Manual is available here:
https://www.ksdot.org/bureaus/burMaint/StormWater/StormwaterControlMeasureManual.asp

Lbmp P-CSM - 02: Develop a List of Post-Construction Structural or Non-Structural BMPs

Measurable Goal: Develop and implement list and guidance

In 2021, KDOT developed and implemented the Stormwater Control Measure Manual. The purpose of this manual is to provide guidance on the design, construction, and maintenance of stormwater control measures (SCMs) within KDOT's right-of-way. Also known as best management practices (BMPs), SCMs are techniques used for post-construction stormwater management to reduce the volume of stormwater runoff and prevent adverse water quality into local MS4s.

The Stormwater Control Measure Manual is required when a project disturbs one acre or greater of land during construction. The manual requires that the project site capture at least the first 0.5" of precipitation that falls over the project area. The following SCMs are listed in the Stormwater Control Measure Manual:

- Stormwater Right-of-Way
- Infiltration Trench
- Bioretention
- Detention Basin
- Constructed Wetland

Reference Section 3 of the Stormwater Control Measure Manual for a breakdown of the SCM types. This breakdown includes a brief description, benefits, design considerations, and maintenance activities. Stormwater Control Measure Manual Table 3.1 (reprinted here as Table 5.3) includes a breakdown of SCM suitability by project site feature (e.g., narrow medians, interchange medians, low traffic areas, etc.).

Table 5.3 – SCM Suitability by Site Feature (Stormwater Control Measures Manual, Version 1, 2022)

Site Features	Preference 1 SCM	Preference 2 SCMs	Preference 3 SCMs
Narrow Medians	X	X	
Wide Medians	X	X	X
Shoulders	X	X	
ROW locations with limited uses (wide spots, irregular geometries, interchange infields/unpaved gore areas)	X	X	X
Low Traffic Areas, Maintenance Yards, etc.	X	X	X

Note: adapted from the *NCHRP Guidance Manual* (Table 12, NCHRP 2019)

The Stormwater Control Measure Manual requires designers to utilize the Stormwater Control Measure Form to determine and design the SCMs. This form is included with the manual and submitted with the final design package.

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Developed in 2021, the Stormwater Control Measure Manual is used when a project disturbs one acre or greater of land during construction. The purpose of this manual is to provide guidance on the design, construction, and maintenance of stormwater control measures (SCMs) within KDOT's right-of-way. The manual was utilized for the entirety of 2022. The manual includes a list of both structural and non-structural BMPs, with guidance on implementation of both.

The Stormwater Control Measure Manual is available here:
https://www.ksdot.org/bureaus/burMaint/StormWater/StormwaterControlMeasureManual.asp

Lbmp P-CSM - 03: Develop and Implement a Program to Ensure Long-Term Operation & Maintenance of BMP Facilities

Measurable Goal: The program shall be detailed in a written document and made available to all pertinent maintenance staff

During the permit duration, KDOT will develop and implement an Operations & Maintenance (O&M) Manual to perform long-term operation & maintenance of BMP facilities. The purpose of the O&M Manual is to relay the importance of conducting routine maintenance and to provide SCM operational maintenance guidance. This program will require at least 10% of the SCMs to be inspected on an annual basis.

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This BMP was not utilized during the reporting period. Note that the Stormwater Control Measures Manual includes the Stormwater Control Measure Maintenance Form, to be completed during the design phase for reference by maintenance staff. This form is available at the following link:

https://www.ksdot.org/bureaus/burMaint/StormWater/StormwaterControlMeasureManual.asp

Lbmp P-CSM - 05: Develop and Implement a Program for Inspection of Permittee Owned Structural BMPs

Measurable Goal 1: Program shall inspect at least 10% of structural BMPs annually

Measurable Goal 2: Maintenance activities shall be completed in the same year of inspection, as dictated by the O&M plan, etc.

During the permit duration, KDOT will develop and implement an Operations & Maintenance (O&M) Manual to perform long-term operation & maintenance of BMP facilities. The purpose of the O&M Manual is to relay the importance of conducting routine maintenance and to provide SCM operational maintenance guidance. This program will require at least 10% of the SCMs to be inspected on an annual basis.

2022 Annual Report Update

This BMP was not utilized during the reporting period. KDOT is in its first year of implementation of the Stormwater Control Measures Manual; Stormwater Control Measures are currently in the design phase. Note that the Stormwater Control Measures Manual includes the Stormwater Control Measure Maintenance Form, to be completed during the design phase for reference by maintenance staff. The form is available at the following link:

https://www.ksdot.org/bureaus/burMaint/StormWater/StormwaterControlMeasureManual.asp

Kansas Department of Transportation

Stormwater Management Plan

Minimum Control Measure:
Post-Construction Stormwater Management

Permit Year:
2022

BMP	Summary	Measurable Goal	KDOT Availability		Reference	How to Report	Claimed	
			Applicable	Points			2022	Points
Lbmp P-C S M - 01	Develop and adopt a custom design manual for Post-Construction Stormwater Management which specifies various structural BMPs which are required for projects where 1 acre or greater is disturbed during construction. Alternatively, adopt and implement the APWA 5600 Stormwater Design Criteria and the MARC/APWA BMP Manual.	The custom design manual shall impose requirements to achieve at least one of the following standards: *Capture at least the first 0.5" of precipitation on the project site, and utilize methods to prevent discharge off site, including but not limited to: retain on-site; infiltrate; evaporate; transpire; beneficial reuse *Through permanent BMP implementation, reduce the peak stormwater flow rate to a value equal to or less than the rate which would be experienced on the site prior to the project based on modeling a standard storm event (i.e. 1", 6 hr assuming saturated soil conditions.	Yes	3	Stormwater Control Measure Manual	1. Stormwater Management Plan: -Describe the Stormwater Control Measure Manual 2. Annual Report: -Manual is posted on KDOT's website	☑	3
Lbmp P-C S M - 02	Develop a list of post-construction structural or non-structural BMPs which are required to be incorporated in any project. The list must include guidance regarding the BMPs which must be incorporated in various projects as determined appropriate by the permittee. The list is to be provided to entities involved with the design of projects priori to site plan reivew by the permittee.	Development and implementation of the list and guidance is necessary to claim points in year 1; the list must be enforceable.	Yes	2	Stormwater Control Measure Manual	1. Stormwater Management Plan: -Describe the Stormwater Control Measure Manual 2. Annual Report: -Manual is posted on KDOT's website	☑	2

2022 - Post-Construction Stormwater Management	
Available Points	5
Requirement	5
Claimed Points	5
Meets Requirements	Yes

STORMWATER CONTROL MEASURE MANUAL

VERSION 1

Kansas Department of Transportation

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MCM6: Pollution Prevention / Good Housekeeping

KDOT implements a combination of pollution prevention and good housekeeping practices at its facilities and within the KDOT maintained right-of-way within the urbanized areas as defined by the permit. KDOT recognizes the benefits of pollution prevention practices and has developed measurable goals to satisfy BMP requirements and that can also be implemented throughout KDOT facilities.

Reference Table 6.1 below for a list of available BMPs for implementation and their respective descriptions.

Table 6.1 - Available BMPs

Lbmp P P/G H	KDOT Applicability		Description
	Existing	Future	
01	No	No	Install a screening device at an MS4 outfall
02	Yes	Yes	Implement recycle and proper waste disposal program
03	Yes	Yes	Develop a guidance document for applying pesticides
04	Yes	Yes	Proper disposal of vehicle & equipment washing
05	Yes	Yes	Implement a Street Sweeping Program
06	Yes	Yes	Develop staff training program to minimize stormwater pollution
07	Yes	Yes	Develop a program to inspect stormwater inlets
08	Yes	Yes	Develop and maintain an online storm sewer map
09	No	No	Identify facilities that can be retrofitted for stormwater BMPs
10	No	No	Install a constructed wetland at an industrial/commercial facility
11	No	No	Install a covered area for de-icing chemicals
12	No	No	Install a system for capturing trash, sediment, or debris at outfalls

BMPs identified as applicable to KDOT are described in the following subsections.

Lbmp P P/G H - 02: Implement Recycle and Proper Waste Disposal Program

Measurable Goal: Provide log that details weight or volume of materials and date of transport

For this BMP to be relevant in a linear transportation setting, KDOT assumes applicability in the following paragraphs.

Section 12.43 of the Highway Maintenance Manual requires KDOT to monitor the following items on project construction sites:

- Mud pit waste
- Solvents in paint waste
- Paint waste from highway striping removal operation
- Oil burner
- Wastewater stabilization
- Waste determination:
    - Special waste: requires special handling, trained professionals, and/or special disposal methods
    - Universal waste: contains materials that can be elevated to potentially hazardous waste
    - Orphaned waste: potentially hazardous waste found in containers that have been illegally dumped
    - Hazardous waste: poses potential threats to public health or environment
        - Characteristics: flammable, reactive, corrosive, and/or toxic
- Lead based paint content

Section 12.44 of the Highway Maintenance Manual includes a list of forms and letter that KDOT utilizes for determining how to address waste determination and disposal on project construction sites and at KDOT facilities. The forms include the following:

- KDOT Guidance to Determining Hazardous Waste
- KDOT Wash Bay Checklist for Handling Mud Trap
- KDOT Wash Bay Checklist for Water Removal
- KDOT Checklist for Handling Orphaned Waste
- KDOT Guidance for Universal Waste
- KDHE Special Waste Disposal Request Form
- Letter to Request Special Waste Authorization

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Guidance regarding KDOT processes to address waste determination and disposal can be found in the Highway Maintenance Manual, section 12.43. The Highway Maintenance Manual (aka KDOT Maintenance Manual) is available to all KDOT employees through the intranet. Formal training that reinforces the Highway Maintenance Manual is required of KDOT employees in order to move into new positions.

Also available to all KDOT employees through the intranet are the checklists regarding waste determination and disposal on project sites and at KDOT facilities (Referenced in the Highway Maintenance Manual, Section 12.44).

Lbmp P P/G H - 03: Develop a Guidance Document for Applying Pesticides

Measurable Goal: Require usage of pesticides to comply with the guidance document

Section 4.5 of KDOT's Highway Maintenance Manual requires the application of pesticides to be done by a licensed sprayer under the Kansas Department of Agriculture. Pesticides includes both herbicides and pesticides. Applying herbicides provides an effective and efficient method of managing roadside vegetation.

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Guidance regarding pesticide application and usage can be found in the Highway Maintenance Manual, Section 4.5. The Highway Maintenance Manual (aka KDOT Maintenance Manual) is available to all KDOT employees through the intranet.

For 2022, KDOT contracted pesticide application within the MS4 areas: Wyandotte and Johnson counties, within the Kansas City urbanized area. Within the other urbanized areas, KDOT contracts with the respective county noxious weed management staff for pesticide application. The following County Noxious Weed Department are contracted with KDOT: Doniphan, Douglas, Riley, Sedgwick and, Shawnee. Contract language includes requirements for application by a licensed sprayer under the Kansas Department of Agriculture.

Lbmp P P/G H - 04: Proper Disposal of Vehicle & Equipment Washing

Measurable Goal: Develop guidance for vehicle and/or equipment washing and proper water disposal

For KDOT facilities with wash bays, all equipment and vehicles are to be washed on site. KDOT's wash bays are connected to sanitary sewer via a three-compartment sediment separator. The purpose of the sediment separators is to filter water before it enters the sanitary sewer system. KDOT built these facilities in the 1990's.

For KDOT facilities without wash bays, equipment and vehicles must be taken to another KDOT facility with a wash bay or to a commercial car wash facility.

Reference Section 12.44 of KDOT's Highway Maintenance Manual for checklists utilized for addressing waste disposal at wash bays:

- KDOT Guidance to Determining Hazardous Waste
- KDOT Wash Bay Checklist for Handling Mud Trap
- KDOT Wash Bay Checklist for Water Removal

2022 Annual Report Update

Guidance regarding vehicle washing can be found in the Highway Maintenance Manual, section 12.44. The Highway Maintenance Manual (aka KDOT Maintenance Manual) is available to all KDOT employees through the intranet. Formal training that reinforces the Highway Maintenance Manual is required of KDOT employees in order to move into new positions.

Also available to all KDOT employees through the intranet are the checklists handling mud trap and water removal at KDOT wash bays.

Lbmp P P/G H - 05: Implement a Street Sweeping Program

Measurable Goal: Provide a schedule for street sweeping

Measurable Goal 2: Provide information on street sweeping activity

To remove debris such as sand and dirt from paved surfaces, shoulders, curbs, gutters, and median barriers KDOT utilizes mechanical sweeping. Sweeping includes the following benefits: maintains clean highways, improves aesthetic appeal, improves safety, prolongs infrastructure lifespan, protects the environment by reducing pollutants, and lessens maintenance cost.

If street sweeping is contracted out, contractors are responsible for disposal. If street sweeping is performed by KDOT, the collection is incorporated into fill material or disposed of at the local landfill.

For the duration of this permit, a record of street sweeping activities is kept at the Area office, with the Area office managing street sweeping activities.

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Reference Table 6.2 for the frequencies at which each urbanized area, KDOT right-of-way is swept.

Table 6.2 – Sweeping Frequencies per Urbanized Area

Urbanized Area	Frequency
Kansas City	Once per Month
Lawrence	Once in May & October
Manhattan	Once in April & October
Topeka	Once in May & October
Wichita	Twice/Month

Sweeping in the Lawrence and Topeka urbanized areas is performed by KDOT along the applicable routes (US 59 bridge, north; K-10; I-70 barrier wall; US 75 bridge; Polk Quincy viaduct). Sweeping services are contracted out in the remaining urbanized areas (Manhattan (US 24; K-18; K-113), Wichita (US 54; I-135; I-235; K-15; K-96), Kansas City (I-35, I-70, I-435, I-635, I-670, US69, and K-10)).

KDOT contracted Kasper, LLC to provide sweeping services focused on the Kansas City metro starting in October 2021. Work continued throughout 2022 and the contract was extended to add 13.8 additional miles. The sweeping services will be provided for approximately 68.5 miles along major highway corridors in both Johnson and Wyandotte counties. Reference the following memo for additional information: Litter Removal and Sweeping Services Clean up KC Metro Roadways.

*The points associated with LbMP P P/G H – 05 are not being claimed for the St. Joseph urbanized area, Permit M-MO05-SU01.

Lbmp P P/G H - 06: Develop Staff Training Program to Minimize Stormwater Pollution

Measurable Goal: Provide guidance documents, in-person training, or videos

Construction Stormwater Training

KDOT partners with Kansas State University Salina Aerospace and Technology Campus to provide construction stormwater training for KDOT employees, consultants, and contractors. K-State offers online courses, online certification exams, and in-person field trainings. Some instructors include KDOT employees.

For those conducting site inspections for compliance with the KDHE general permit, this training is required per KDOT policy. KDOT also requires this training for water pollution control managers (WPCM) and those with the responsibility for SWPPP review and approval.

Learning objectives include:

- Basic principles of erosion, sediment control and non-stormwater/waste management control
- NPDES permit requirements
- Stormwater related KDOT plans, specifications, and procedures
- Inspection requirements and procedures
- Common compliance issues
- BMP installation and inspection (field demonstration)

Located at Seeders Inc in Wichita, Kansas, the field day includes a 3-hour morning or afternoon session. Attendees will gain hands-on experience with proper device installation and inspection, stockpile management, stabilization practices, seed and equipment, and SWPPP inspection requirements.

The exam consists of 40 multiple choice questions and lasts for a duration of one hour. A minimum score of 70% is required to pass. If a minimum score is not achieved, test takers may retake the exam but will be required to wait until the next testing session. This certificate is valid for four years after successfully completing the construction stormwater training.

More information regarding this training can be found here: https://www.salina.k-state.edu/research-training/training-professional-development/certified-inspector-training/courses/construction-stormwater-training.html

Stormwater Awareness Training

All KDOT maintenance staff are required to complete the Stormwater Awareness Training on an annual basis. This training is available through KDOT's Learning Management Center.

Spill Prevention, Control, and Countermeasure (SPCC) Plan Training

SPCC Plan training is available to KDOT employees through the Learning Management Center. The purpose of this training is to provide guidance to KDOT employees regarding oil spills and preventing spills from discharging into Waters of the US.

Facility Training

For employees located at KDOT facilities, training during the permit period will be provided to disseminate knowledge regarding stormwater pollution prevention as part of a respective facilities. This training focuses on sediment and erosion control, spill prevention and cleanup methods, and good housekeeping measures.

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Construction Stormwater Training was held on March 22-23, 2022 and May 17-18, 2022. A total of 8 in person sessions were held (2 per day). 95 people attended in March and 100 people attended in May for a total of 195 that attended construction stormwater training in 2022. This training includes both KDOT and Contractor staff.

All KDOT maintenance staff are required to complete the Stormwater Awareness Training. This training is available through KDOT's Learning Management Center. There were 638 personnel trained from November 1, 2021 to November 1, 2022.

The Spill Prevention, Control, and Countermeasure (SPCC) Plan Training was held as part of safety meetings at each Area during 2022.

Lbmp P P/G H - 07: Develop a Program to Inspect Stormwater Inlets

Measurable Goal: Inspect at least 5% of all inlets annually, remove accumulated debris

The purpose of the MQA program is to identify and prioritize maintenance projects and resources. According to the Maintenance Quality Assurance Program Manual (page 28), thirty 0.1-mile sample segments per maintenance subarea are randomly selected using the CANSYS database and rated against a level of service (LOS) criteria. These inspections occur annually in October. Upon completion, KDOT compares the resulting LOS to the target LOS values. The five maintenance categories include travelway, traffic guidance, shoulders, drainage, and roadside.

Drainage is broken up into the following elements: curb & gutter, ditch, erosion control devices, culverts & pipes (excludes serial numbered structures), edge & underdrains, and inlets. A weighting factor of 14% is applied to drainage when determining the LOS. The statewide/district targeted LOS for drainage is 85.

As defined in KDOT's MQA Manual, drainage inlets are structures through which the water enters the drainage culverts and pipes. A grate or access cover is used to trap/prevent entry of debris. For inlets to pass inspection, they must meet the following LOS criteria:

- 75% of cavity per structure is free of debris & operates as intended
- The inlet grate and access cover are present, where applicable
- The unit is structurally sound

Inspections are documented through the MQA inspection form. The purpose of the form is to record whether each element meets the associated LOS criteria. Upon completion, copies of these forms are sent to District MQA committee members and Area Superintendents. The inspection results are reported into KDOT's Report Portals. Original copies of the form are maintained for one-year.

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KDOT's MQA program reviews highway maintenance activities annually. This list for 2021 is provided in the documentation for each urbanized area. MQA is completed in the fourth quarter every year and the 2022 data will be submitted as part of the 2023 Annual Report.

Lbmp P P/G H - 08: Develop and Maintain an Online Storm Sewer Map

Measurable Goal: Map shall cover entire MS4 within the permit area and include all pipes, open drainage, and impaired waterways

MS4 Stormwater Outfall Inventory Maps

KDOT maintains stormwater outfall inventory maps in PDF format. These maps identify locations where KDOT's stormwater systems in applicable urbanized areas discharge into stream, lakes, and wetlands. The maps cover the following regulated urbanized areas:

- Kansas City
- Lawrence
- Manhattan
- Topeka
- Wichita

Reference the following link to find the maps on KDOT's Stormwater Management Program website: https://www.ksdot.org/bureaus/burMaint/StormWater/SWOutfallInventMaps.asp.

Transportation Planning – State System Map

KDOT developed and maintains an ArcGIS map available in Map Viewer through the KDOT website dedicated to locating bridges and culverts greater than 10-feet in diameter (10'-20' series culverts) within the state of Kansas.

This map is made available to the public on KDOT's website: https://ksdot.maps.arcgis.com/home/index.html.

Additional detailed bridge information and inspection data is available for KDOT internal use only. Each structure mapped includes the following information, linked to internal KDOT databases:

- Structure log
- Structure information report
- Bridge inspection form
- Structural Inventory and Appraisal (SI&A) report

Mapped culverts greater than 10-feet in diameter include linked database fields such as built date, design load, and box height. Inspection records for these structures are available through KDOT internal databases.

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Reference the MS4 Stormwater Outfall Inventory Maps online at https://www.ksdot.org/bureaus/burMaint/StormWater/SWOutfallInventMaps.asp. Reference KDOT's Transportation Planning – State System Map, State Bridges and Culverts layers at https://ksdot.maps.arcgis.com/home/index.html.

Kansas Department of Transportation

Stormwater Management Plan

Minimum Control Measure:
Pollution Prevention / Good Housekeeping

Permit Year:
2022

BMP	Summary	Measurable Goal	KDOT Availability		Reference	How to Report	Claimed	
			Applicable	Points			2022	Points
Lbmp P P/G H - 02	Implement a recycle and property waste disposal program for municipal staff to reduce potential for litter, to recycle waste oil, batteries, glass containers, plastic containers, and paper products.	Log of materials. Entries in the log shall record the following: -Weight or volume of recycle materials -Date of transport	Yes	2	KDOT Highway Maintenance Manual	1. Stormwater Management Plan: -Describe waste determination & respective checklists (special waste, universal waste, orphaned waste, & hazardous waste) 2. Annual Report: -Reference Highway Maintenance Manual	☐ ☑	2
Lbmp P P/G H - 03	Develop a guidance document for municipal staff or third-party contractors which apply pesticides. The guidance shall require any municipal staff who apply restriced use pesticides, to have a commercial applicator certification from the KDA if required by that department.	Require staff which apply pesticides to use such pesticides in compliance with the guidance document.	Yes	1	KDOT Highway Maintenance Manual	1. Stormwater Management Plan: -Describe herbicide program and spraying requirements 2. Annual Report: -Provide list of counties KDOT contracted pesticide application for -Reference Highway Maintenance Manual	☑	1
Lbmp P P/G H - 04	Implement a program with guidance to municipal staff or third-party contractors, to ensure any municipal vehicle or other mechanical equipment washing is conducted in a manner which ensures the wash water is disposed of in the sanitary sewer or otherwise receives proper treatment prior to discharge to the environment.	Maintain proper wash facilities for staff to wash vehicles and/or equipment or implement a program which includes guidance to municipal staff to take vehicles and/or equipment to commercial wash facilities, either of which ensures the wash water is conveyed to the sanitary sewer, or otherwise receives proper treatment prior to discharge to the environment.	Yes	1		1. Stormwater Management Plan: -Describe process for washing equipment and vehicles -Describe proper water disposal 2. Annual Report: -Reference Highway Maintenance Manual	☑	1
Lbmp P P/G H - 05	Implement a program for street sweeping in which the street sweepings are collected and disposed of properly or recycled/reused if possible	Schedule for street sweeping Log of the following: -Where occurred -Date occurred -Where material is disposed -Where material was sent to be recycled/reused	Yes	2		1. Stormwater Management Plan: -Describe street sweeping process 2. Annual Report: -Save a copy of the Street Sweeping Log -Describe contractor's responsibilities for sweeping across Kansas	☑	2
Lbmp P P/G H - 06	Develop an employee training program to ensure permittee's staff understand what actions they can take in the workplace to minimize stormwater pollution	Provide guidance documents in the form of either fact sheets, flyers or emails to staff to coach them in appropriate actions they can take while working toward minimizing stormwater pollution. Provide in-person training or videos with sign-in sheets. Provide log of when distributed or when the training was held.	Yes	1	Kstate Polytechnic Campus - Construction Stormwater Training Internal Trainings: -Stormwater Awareness Training -SPCC Training	1. Stormwater Management Plan: -Describe Construction Stormwater Training course -Describe internal trainings 2. Annual Report: *-CSW Traning:* Include dates of exam and field training *-Internal Training:* Include dates when held	☑	1
Lbmp P P/G H - 07	Implement a program to inspect stormwater inlets to identify illicit discharges and clean drop inlets of accumulated debris.	Inspect at least 5% of all inlets annually. If 10% of all inlets are inspected in a year additional points may be claimed.	Yes	1	MQA Software: -0.1-mile segments -Drainage: 14% WF -Ditch, culverts/pipes, inlets, etc.	1. Stormwater Management Plan: -Include program details 2. Annual Report -Describe and save MQA Log List	☑	1
Lbmp P P/G H - 08	Develop, implement and keep updated an online storm sewer map accessible to the public	Map shall cover the entire MS4 within the permit area and include all the MS4 lines both pipe and open drainage; shall illustrate all impaired waterways, with documentation of listed impairment.	Yes	2	MS4 Stormwater Outfall Inventory Maps KDOT Transportation Planning - State System Map	1. Stormwater Management Plan: -Include description of maps 2. Annual Report: -Include links to outfall maps & Transportatin GIS map	☑	2

2022 - Pollution Prevention / Good Housekeeping	
Available Points	10
Requirement	4
Claimed Points	10
Meets Requirements	Yes

*Permit M-MO05-SU01 for the St. Joseph Urbanized area claims 8 points, due to not claiming 2 points for street sweeping

- Section 12.40 -
HAZARDOUS WASTE AND SPECIAL ENVIRONMENTAL NEEDS

This section is intended as general guidance to aid in determining, collecting and disposing of hazardous materials that may be generated at various facilities. It will help assist you in Proper Management of Hazardous Waste and Universal Waste at your facility. It will help you determine your generator status and help you address the common issues like; classification of waste type, storage, labeling, site management, disposal options as well as identifying opportunities to prevent waste generation altogether, also known as waste minimization.

12.41 Chemical and Environmental Safety

SOM 2.6.5, "Hazard Communication Program" states that KDOT "shall have a hazard materials communication program which shall include procedures and guidelines to promote safe use, transporting, and storage of hazardous materials." The Hazard Communication Program (Right-To-Know) shall be referenced in this manual as the KDOT HAZCOM Manual and Program. Part of this program shall be the collection and maintenance of Material Safety Data Sheets (SDS) for chemicals that KDOT employees use or can be exposed to. SDS's shall be maintained in an easily accessible location (supervisor's office, shop area, etc.) for employees to view at any time.

12.42 Hazard Materials Communication Program

The ***"Hazard Materials Communication Program"*** (Right To Know) includes procedures and guidelines to promote safe use, transportation, and storage of the materials. (See SOM 2.6.5)

Employees who perform job duties which expose them to Hazardous Chemicals shall be trained in the safe and proper use, transportation and storage. The online Hazardous Communication Training will be the means of such training and their supervisor should advise them of the hazardous substances that they work with or around.

The program discusses the following policies:

A. Hazard Determination Policy
B. Labeling Policy
C. Material Safety Data Sheets
D. Information and Training policy

12.43 Environmental Compliance

A. Compliance Monitoring

Compliance monitoring is a commonly practiced form of environmental monitoring. The purpose of compliance monitoring is to ensure that the quality or quantity of an environmental component is not

altered by a human activity beyond a specified standard of regulation level. An example of compliance monitoring is a sampling program conducted to ensure that concentrations of a contaminant do not exceed a specified level. Implicit in compliance monitoring is the assumption that if the characteristic being monitored is within acceptable limits, then the effects will be within acceptable limits.

Areas that we currently monitor include:

- Mud Pit Waste
- Solvents in Paint Waste
- Paint Waste from Highway Striping Removal Operation
- Oil Burner
- Waste Water Stabilization
- Waste Determination
- Lead Based Paint Content

Types of Waste:

A. Special Waste

Special waste is a waste that requires special handling, trained people, and/or special disposal methods. A waste may be a special waste because of its quantity, concentration, or physical, chemical, or biological characteristics.

1. Mud Trap Waste from Wash Bays
2. Dried Paint mixed with dirt or an absorbent
3. Oil filters not drained
4. Highway paint that has been removed (paint chips)
5. Antifreeze not recycled or reclaimed
6. Oil not recycled or reclaimed or has continuous use (burners)
7. Solvent rags not properly dried

B. Universal Waste

Universal Waste is a category of waste materials not designated as "hazardous waste", but containing materials that can become hazardous waste if not managed properly. These wastes commonly generated by business and industry would be:

1. Spent lamps recycled or reclaimed
2. Oil collected for recycling or for burning
3. Spent batteries being recycled
4. Used tires being recycled
5. Antifreeze being recycled or reclaimed
6. Devices containing elemental mercury; thermostats, switches thermometers, etc
7. Pesticide and herbicides that are recalled or unusable
8. Solvent tanks that are in the continuous use program and collected by a contractor
9. Orphaned waste that is found on the Right of Way; tires, oil batteries etc.???

C. Orphaned Waste

Is a waste that is potentially hazardous or unidentified waste in containers (a drum, box or other container(s)) that have been abandoned or illegally dumped at a site other than the generation point with no identifiable responsible party or owner. This waste may also have special disposal needs.

Types of waste:

1. Hazardous materials that need special assistance from outside Agencies

   a) Drums or containers of unknowns
   b) Meth Lab in the production stages
   c) Transformers

2. Materials that do not need special assistance but have special disposal needs

   a) Paint
   b) Tires (store so the water doesn't accumulate)
   c) Automotive liquids; antifreeze or oil

D. Hazardous Waste

Waste that poses substantial or potential threats to public health or the environment. They have characteristics that make them flammable, reactive, corrosive, toxic, or chemicals that appear on one of the four RCRA hazardous wastes lists (the F-list, K-list, P-list, or U-list). These wastes can be found in different physical states such as gaseous, liquids, or solids.

1. Solvent tanks (parts cleaners) not in the continuous use program or collected by a contractor
2. Solvent rags (ignitable)
3. Spray cans that had a regulated solvent in them (Brake Cleaner)
4. Lamps not recycled or reclaimed (highway lighting HID lamps 10 or greater (*some lamps may contain more or less of mercury arsenic or sodium*))
5. Pesticide/herbicide containers not triple rinsed
6. Pesticide/herbicide not taken to HHW or County Noxious Weed Program
7. Used oil mixed with a solvent, antifreeze or fuel (mixed waste)
8. Paint solvents, solvent from cleaning gun or paint cut with solvent (isocyanates and toluene)
9. Auto paints and the containers they came in
10. Orphaned Hazardous Waste that is found on the Right of Way that is hazardous; Transformers, unknown drums and operating meth lab trash

12.44 KDOT FORMS AND LETTERS

For guidance documents listed below please see **Safety Staff:**

- KDOT Guidance to Determining Hazardous Waste
- KDOT Wash Bay Checklist for Handling Mud Trap

- KDOT Wash Bay Checklist for Water Removal
- KDOT Checklist for Handling Orphaned Waste
- KDOT Guidance for Universal Waste
- KDHE Special Waste Disposal Request Form (Instructions and Completed Form)
- Letter to Request Special Waste Authorization

- Section 12.50 - MISCELLANOUS SAFETY

12.51 Fire Protection

The risk of fire can threaten safety and destroy property. However at KDOT personnel are not trained to fight fires and should rely on outside services to assist with fires and firefighting equipment such as fire extinguishers in buildings should be used for escape purposes only.

All personnel should be trained in:

- The various classes of fires which can occur.
- Their local emergency number.
- The various fire extinguishers, how they are operated, and how they are applied to the fire.
- The physical locations of fire protection equipment in vehicles as well as buildings and sheds.

Building and shop fire safety

Spontaneous combustion hazards such as oil and grease rags need to be disposed of in approved disposal containers.

Never lock or block exit doors. Exit doors must be operative while the building is occupied.

Maintain a clearance of at least 36 inches between the top level of the stored material and the sprinkler deflectors.

Avoid accumulation of trash.

Open containers of flammable liquids are prohibited.

Avoid flammable materials near ignition sources.

Welding areas need to have portable fire extinguishers that meet NFPA requirements.

Avoid overloading electrical circuits.

Do not misuse flammable and combustible liquids.

Where flammable liquids are openly handled, post “NO SMOKING” signs (gasoline pump areas, certain areas of laboratories, etc.).

KANSAS DEPARTMENT OF TRANSPORTATION
BUREAU OF MAINTENANCE

COUNTY AGREEMENT TO TREAT NOXIOUS WEEDS

This agreement made and entered into this _____ day of _____ , 20 ____, by and between the

Board of County Commissioners of _____ County, hereinafter referred to as County, and the Kansas Secretary of Transportation, hereinafter referred to as Secretary. The Kansas Department of Transportation hereinafter is referred to as KDOT.

WHEREAS, The Kansas Legislature has declared certain weeds to be Noxious Weeds (see Kansas Noxious Weed Law), and

WHEREAS, The County desires to treat noxious weed infested areas on State Highway Rights-of-Way within said County and the KDOT desires to retain the County to spray and treat such areas, and

WHEREAS, The Secretary and County agree to enter into a performance agreement, where in the County shall treat all noxious weeds on State Highway rights-of-way in the County. A condition of the fulfillment of the agreement requires that treatment by the County will provide a satisfactory control of the noxious weeds. Satisfactory performance is defined as preventing the production of viable seed and/or destroying the plant's ability to reproduce by vegetative means.

NOW, THEREFORE, in consideration of the premises, the parties hereto agree as follows:

1. The county will notify the KDOT District Engineer or the authorized representative, prior to each treatment on highway right-of-way, of the scheduled time and location of such treatment.

2. The County spraying operation may include a dye in the chemical mixture to allow easy identification of areas treated.

3. A representative of the KDOT shall make periodic field inspections to check treated areas. A field log and record will be maintained by the KDOT indicating dates treated and inspected, location and size of areas, type of noxious weeds, apparent affect of treatment and other pertinent comments. Approval by the KDOT representative shall be required before the County will be paid for treatment.

4. Schedule of Cost: The County shall provide all chemicals (includes herbicides, surfactants and drift control materials as required), dye, labor and equipment to treat noxious weeds. Chemicals and dye are to be provided at the County's cost.
Labor and equipment costs are as follows:

LABOR COST		COST		*EQUIPMENT RENTAL TYPE AND SIZE
_____	/hr. operator	_____	/hr.	_____
				_____
_____	/hr. operator	_____	/hr.	_____
				_____

*Spraying equipment will have cab mounted flashing (or rotating) safety lights

5. Billing and Payment: The County shall submit to the KDOT District Engineer an itemized bill for wholesale cost of chemicals and dye furnished, plus actual cost of treating noxious weeds based on equipment rental and labor costs for areas of satisfactory performance. Upon receipt of proper billing and final approval, payment for treating noxious weeds will be made to the County by the KDOT.

6. Record of Work: The County representative doing the work shall:

   Record size, location and type of noxious weed areas treated.
   Record amount and kind of chemicals applied on each area.
   Record dates chemicals were applied.
   Maintain Report of Noxious Weed Treatment DOT FORM NO. 322-A, which shall be submitted to the KDOT within 1 to 2 weeks after treatment.
   Maintain records until all claims are paid, but in no case less than the three year statutory time.
   Make all records available for KDOT audit, when so requested by KDOT.

7. Chemicals, approved for use on highway right-of-way are listed below.

CHEMICAL	TRADE NAME	RATE OF APPLICATION (metric)
2, 4-D (amine or ester) (a)	numerous	1 to 2 lb. Equiv./acre (1.1 to 2.2 kg/ha)
Glyphosate (b)	numerous	1 1/2 lb. Equiv./acre (1.7 kg/ha)
MSMA	numerous	3 to 5 lb. Equiv./acre (3.8 to 5.6 kg/ha)
Sulfometuron (c)	Oust	3 to 6 ounces/acre (.21 to .42 kg/ha)
Picloram	Tordon	rate depends upon weed species
Chlorsulfuron	Telar	1/2 to 1 oz./acre (0.035 to 0.070 kg/ha)
Imazapyr	Arsenal/Habitat	1/4 lb. Active/acre (0.28 kg/ha)
Metsulfuron Methyl	Escort	rate depends upon weed species
Triclopyr (d)	Garlon	1/4 to 1/2 lb./acre (0.28 to 0.56 kg/ha)
Fluizafop P butyl + Fenoxiprop	Fusion	7 to 9 fl. oz. per acre (83.8 to 107.75 ml/ha)
Imazapic (e)	Plateau	rate depends upon weed species
Quinclorac (f)	Paramount/Drive	rate depends upon weed species and desirable grass species
Sulfosulfuron (g)	Outrider	rate depends upon desirable grass species
Aminopyralid (h)	Milestone Vista XRT	rate depends upon weed species
Fluroxypyr		follow the product label recommendations

(a) May be used alone or in combination with other herbicides
(b) (Round-up)
(c) Spot treatment only
(d) Sericea lespedeza
(e) Do not use where cool season grasses are the desired species
(f) Fall bindweed control
(g) Do not use for more than 3 consecutive seasons
(h) Musk, bull and Canada thistle

There may be other trade names for the herbicides listed.

8. Chemicals shall be mixed and applied as recommended by the manufacturer and in accordance with approved methods contained in the "Official Regulations" issued by the Kansas Department of Agriculture.

9. The County agrees to provide this service in a workmanlike manner, to be in strict conformance with the instructions for handling and applying noxious weed chemicals and to be responsible for any negligent acts or omissions that may occur in the performance thereof.

10. The County's spraying equipment shall be equipped with cab mounted amber high-intensity rotating, flashing, oscillating, or strobe light. Safety lights shall be visible from all directions and not obstructed from view by tanks and equipment mounted to or towed behind the spraying equipment. If a safety concern has been raised, and at the direction of KDOT personnel, the County will be responsible for supplying and placing of traffic control signs for a mobile operation per Chapter I of the KDOT Highway Sign Manual. All workers shall wear approved safety vests according to 23 CFR 634, "Worker Visibility".

11. This agreement shall terminate December 31st of this year, except records shall be maintained in accordance with Section Six above. Termination may be sooner by a ten day written notice from either party to the other. It is agreed further that this contract can be renewed for three consecutive years at the option of the Secretary upon a 30-day written notice to the contractor prior to December 31st of the current year. The contractor and the Secretary agree that all terms of the renewal will remain the same unless either party determines that the price of the chemicals should be re-negotiated.

This agreement is officially adopted by the Board of County Commissioners and recorded in the official records of the proceedings of said Board.

In witness whereof the parties have caused this Agreement to be executed by their duly authorized officers or representatives.

SECRETARY OF TRANSPORTATION

BY _____
District Engineer

THE BOARD OF COUNTY COMMISSIONERS

BY _____
Title:

Dale Kirmer [KDOT]

From: Kate Craft [KDOT]
Sent: Tuesday, March 29, 2022 2:09 PM
Subject: I-70 lane closures scheduled in Topeka

Northeast District Office
121 S.W. 21st Street
Topeka, KS 66612-1429

Kansas Department of Transportation

phone: 785-296-3881
fax: 785-296-3720
www.ksdot.org

Julie Lorenz, Secretary

Laura Kelly, Governor

IMMEDIATE RELEASE
March 29, 2022

For more information:
Kate Craft
Kate.Craft@ks.gov

I-70 lane closures scheduled in Topeka

According to the Kansas Department of Transportation, crews will complete barrier wall maintenance on I-70 in Topeka on Wednesday, March 30, from 9 a.m. to 3 p.m., weather permitting.

The left lane of eastbound and westbound I-70 will be closed from mile markers 362 to 364, approximately, or from south of Southeast 10th Avenue to west of Southeast California Avenue.

Drivers should be prepared for slow-moving traffic through the work zone, which will be marked by arrow boards, cones and signs.

KDOT urges all motorists to be alert and obey the warning signs when approaching and driving through a highway work zone. To stay aware of all road construction projects across Kansas, go to www.kandrive.org or call 5-1-1.

###

This information can be made available in alternative accessible formats upon request. For information about obtaining an alternative format, contact the KDOT Office of Public Affairs, 700 SW Harrison St., 2nd Fl. West, Topeka, KS 66603-3754 or phone 785-296-3585 (Voice) / 7-1-1 (Hearing Impaired).

Click below to connect to KDOT's Social Networks:

DAS 114 **2021 Log** Troy Sub Area (Wathena and Elwood)

Sample #	Route	County	Dir	Beginning Ref. Post	Ending Ref. Post	County Log Mi.
136	K00120	DP	EB	8.2	8.3	8.2
137	K00120	DP	EB	7.1	7.2	7.1
138	K00007	DP	NB	240.6	240.7	21.7
139	U00036	DP	EB	364.4	364.5	1.9
140	U00036	DP	EB	375.7	375.8	13.2
141	K00007	DP	NB	234.8	234.9	15.8
142	K00007	DP	NB	223.8	223.9	8.5
143	K00007	DP	NB	235.3	235.4	16.4
144	K00007	DP	NB	234.4	234.5	15.4
145	K00007	DP	NB	231.6	231.7	12.7
146	K00007	DP	NB	223.4	223.5	8.1
147	K00238	DP	EB	0.6	0.7	1
148	K00007	DP	NB	243	243	24
149	K00020	DP	EB	35	35.1	13.5
150	K00007	DP	NB	232	232	13
151	K00120	DP	EB	5.8	5.9	5.9
152	K00020	DP	EB	23.3	23.4	1.6
153	K00120	DP	EB	4.3	4.4	4.2
154	K00007	DP	NB	223.3	223.4	8
155	K00020	DP	EB	27.6	27.7	6
156	K00007	DP	NB	238.3	238.4	19.4
157	K00020	DP	EB	36.3	36.4	14.7
158	K00020	DP	EB	32.4	32.5	10.9
159	U00036	DP	EB	389	389	24.9
160	K00120	DP	EB	6.7	6.8	6.8
161	U00036	DP	EB	375	375.1	12.5
162	K00007	DP	NB	237	237	18
163	U00036	DP	EB	365.2	365.3	2.7
164	K00007	DP	NB	237.2	237.3	18.3
165	U00036	DP	WB	388.7	388.8	24.7
166	U00040	DG	EB	71.2	71.3	0

167	K00007	DP	NB	225	225	9.6
168	U00036	DP	EB	366.6	366.7	4.2
169	U00036	DP	WB	389.2	389.3	25.2
170	U00036	DP	EB	370.3	370.4	7.9
171	K00020	DP	EB	29.3	29.4	7.7
172	U00036	DP	EB	383.7	383.8	19.7
173	K00020	DP	EB	31.3	31.4	9.7
174	U00036	DP	WB	291.3	291.4	23.8
175	K00007	DP	NB	242.2	242.3	23.3
176	K00007	DP	NB	240.1	240.2	21.2
177	K00007	DP	NB	224.8	224.9	9.5
178	U00036	DP	EB	389.2	389.3	25.2
179	K00007	DP	NB	241.2	241.3	22.3
180	K00120	DP	EB	2.6	2.7	2.7

DAS 121

2021 Log

Olathe Area Office

Sample #	Route	County	Dir	Beginning Ref. Post	Ending Ref. Post	County Log Mi.
226	I00035	JO	SB	208.6	208.7	6.7
227	I00035	JO	SB	206.4	206.5	4.5
228	I00035	JO	SB	209.8	209.9	7.9
229	U00056	JO	EB	444	444.1	4.9
230	U00169	JO	SB	145.3	145.4	4.2
231	I00035	JO	SB	206.1	206.2	4.2
232	I00035	JO	NB	217.1	217.2	15.2
233	I00035	JO	NB	206	206.1	4.1
234	I00035	JO	SB	206.8	206.9	4.9
235	I00035	JO	SB	203.6	203.7	1.7
236	I00035	JO	NB	213.3	213.4	11.4
237	I00035	JO	SB	204.4	204.5	2.5
238	I00035	JO	NB	213.6	213.7	11.7
239	I00035	JO	SB	207.5	207.6	5.6
240	U00056	JO	EB	447.5	447.6	8.4
241	U00056	JO	EB	446.7	446.8	7.6
242	U00056	JO	EB	446.6	446.7	7.5
243	I00035	JO	NB	218	218.1	16.1
244	U00169	JO	NB	145.7	145.8	4.6
245	I00035	JO	SB	208.4	208.5	6.5
246	I00035	JO	NB	210.8	210.9	8.9
247	U00056	JO	EB	447.3	447.4	8.2
248	U00056	JO	EB	443	443	3.8
249	I00035	JO	SB	206.3	206.4	4.4
250	I00035	JO	SB	214	214	12
251	U00169	JO	SB	144.7	144.8	3.6
252	I00035	JO	NB	215.1	215.2	13.2
253	I00035	JO	NB	213.5	213.6	11.6
254	I00035	JO	NB	208	208.1	6.1
255	I00035	JO	NB	213	213	11
256	I00035	JO	NB	207	207.1	5.1
257	U00056	JO	EB	445.8	445.9	6.7

258	I00035	JO	NB	221.8	221.9	19.9
259	U00056	JO	EB	443.5	443.6	4.4
260	U00169	JO	NB	147.2	147.3	6.1
261	U00056	JO	EB	442	442.1	2.9
262	U00169	JO	SB	141.4	141.5	0.4
263	U00169	JO	NB	149.2	149.3	8
264	I00035	JO	SB	208.8	208.9	6.9
265	I00035	JO	SB	210.4	210.5	8.5
266	U00169	JO	NB	148.3	148.4	7.2
267	U00169	JO	NB	142.1	142.2	1
268	U00169	JO	NB	147.5	147.6	6.4
269	U00056	JO	EB	440.3	440.4	1.2
270	U00169	JO	NB	148.4	148.5	7.3

DAS 122 **2021 Log** Olathe Area Office

Sample #	Route	County	Dir	Beginning Ref. Post	Ending Ref. Post	County Log Mi.
271	U00069	JO	NB	138.8	138.9	9.1
272	I00435	JO	SB	81	81.1	5.3
273	U00069	JO	SB	143.5	143.6	14.1
274	U00069	JO	SB	138.4	138.5	8.7
275	U00069	JO	SB	141.2	141.3	11.6
276	I00435	JO	NB	0.7	0.8	0.7
277	I00435	JO	SB	81.4	81.5	5.7
278	I00435	JO	NB	0.4	0.5	0.4
279	I00435	JO	SB	81.8	81.9	6.1
280	U00069	JO	SB	144.4	144.5	15
281	I00435	JO	SB	78	78	2.2
282	U00069	JO	NB	137.3	137.4	7.6
283	U00069	JO	SB	139	139	9.2
284	U00069	JO	NB	131.7	131.8	2.1
285	I00435	JO	SB	78.5	78.6	2.8
286	I00435	JO	NB	81.7	81.8	5.9
287	U00069	JO	NB	130	130.1	0.3
288	U00069	JO	NB	141.7	141.8	12.1
289	U00069	JO	NB	144.2	144.3	14.9
290	U00069	JO	SB	143.4	143.5	14
291	U00069	JO	SB	134.1	134.2	4.4
292	U00069	JO	SB	143	143.1	13.5
293	U00069	JO	SB	140.2	140.3	10.5
294	I00435	JO	NB	78.7	78.8	3
295	U00069	JO	SB	137.6	137.7	7.9
296	I00435	JO	NB	77.8	77.9	2
297	U00069	JO	NB	134.3	134.4	4.6
298	U00069	JO	SB	135	135	5.2
299	I00435	JO	SB	0	0.1	0
300	I00435	JO	SB	83	83	7.2
301	U00069	JO	NB	141.9	142	12.3
302	U00069	JO	SB	142.6	142.7	13.1

303	U00069	JO	SB	141.1	141.2	11.5
304	U00069	JO	SB	134.2	134.3	4.5
305	U00069	JO	NB	134.6	134.7	4.9
306	I00435	JO	NB	78.3	78.4	2.6
307	U00069	JO	NB	133	133.1	3.3
308	U00069	JO	SB	136.3	136.4	6.7
309	U00069	JO	SB	132.8	132.9	3.1
310	I00435	JO	SB	79	79.1	3.4
311	I00435	JO	SB	81.5	81.6	5.8
312	U00069	JO	SB	135.6	135.7	5.9
313	I00435	JO	NB	78.1	78.2	2.4
314	I00435	JO	NB	81.4	81.5	5.6
315	I00435	JO	SB	76.1	76.2	0.4

DAS 123

2021 Log

Olathe Area Office

Sample #	Route	County	Dir	Beginning Ref. Post	Ending Ref. Post	County Log Mi.
316	U00069	JO	NB	147.1	147.2	22.4
317	I00035	JO	NB	223.6	223.7	21.8
318	I00035	JO	SB	231.3	231.4	29.4
319	U00056	JO	EB	449.7	449.8	29.2
320	I00035	WY	SB	235.3	235.4	3.7
321	I00035	JO	NB	230.8	230.9	28.9
322	I00035	WY	NB	232.1	232.2	0.3
323	I00035	JO	SB	222.8	222.9	20.9
324	I00035	JO	NB	228.7	228.8	26.8
325	U00056	JO	EB	472.6	472.7	32.4
326	I00035	JO	SB	230	230.1	28.1
327	I00035	JO	NB	231.4	231.5	29.5
328	U00169	WY	NB	151.8	151.9	1.5
329	I00035	JO	NB	228.6	228.7	26.7
330	I00035	WY	SB	233.8	233.9	2.5
331	U00069	JO	NB	146.8	146.9	22.1
332	I00035	JO	SB	223.2	223.3	21.3
333	I00035	JO	SB	224	224	22
334	I00035	JO	NB	225.9	226	24
335	I00035	JO	NB	226.5	226.6	24.6
336	U00056	JO	WB	472.4	472.5	31.9
337	U00056	JO	EB	470.3	470.4	30
338	I00035	WY	NB	232.4	232.5	0.6
339	I00035	JO	SB	226.4	226.5	24.5
340	I00035	JO	SB	223.5	223.6	21.6
341	I00035	JO	NB	225.5	225.6	23.6
342	I00035	JO	SB	231.6	231.7	29.7
343	I00035	JO	NB	226.6	226.7	24.7
344	U00056	JO	EB	472.2	472.3	31.9
345	I00035	JO	SB	230.5	230.6	28.6
346	I00035	JO	NB	226.3	226.4	24.4
347	U00056	JO	WB	471.8	471.9	31.1

348	I00035	JO	NB	227.2	227.3	25.3
349	I00035	WY	SB	233.9	234	2.6
350	I00035	JO	SB	229.2	229.3	27.3
351	U00069	JO	SB	147.1	147.2	22
352	U00056	JO	EB	470.2	470.3	29.9
353	I00035	JO	SB	225.6	225.7	23.7
354	I00035	JO	SB	229.6	229.7	27.7
355	I00035	JO	NB	229.3	229.4	27.4
356	I00035	JO	NB	224.2	224.3	22.3
357	U00056	JO	WB	472.3	472.4	31.8
358	I00035	JO	SB	230.4	230.5	28.5
359	U00069	JO	SB	150.3	150.4	23
360	U00169	WY	NB	150.9	151	0.6

DAS 124

2021 Log

Olathe Area Office

Sample #	Route	County	Dir	Beginning Ref. Post	Ending Ref. Post	County Log Mi.
361	K00010	JO	WB	27.7	27.8	7.1
362	K00007	JO	NB	157.3	157.4	16.5
363	K00010	JO	WB	36.5	36.6	15.9
364	K00010	JO	WB	37	37.1	16.4
365	I00435	JO	SB	2.2	2.3	10
366	K00010	JO	WB	23.1	23.2	2.6
367	K00010	JO	WB	29.3	29.4	8.8
368	K00010	JO	WB	33.1	33.2	12.5
369	K00010	JO	WB	23.3	23.4	2.8
370	K00010	JO	EB	26.6	26.7	6
371	I00435	JO	NB	8	8.1	15.7
372	I00435	JO	SB	7.5	7.6	15.3
373	I00435	JO	NB	3.5	3.6	11.3
374	I00435	JO	SB	2.6	2.7	10.4
375	K00010	JO	EB	22.7	22.8	2.2
376	I00435	JO	NB	5.3	5.4	13.1
377	K00007	JO	NB	122.2	122.3	11.9
378	K00007	JO	SB	159.7	159.8	18.9
379	K00007	JO	NB	155.1	155.2	14.2
380	K00010	JO	WB	30.9	31	10.3
381	K00010	JO	WB	24.1	24.2	3.6
382	I00435	JO	NB	6.2	6.3	13.9
383	K00010	JO	EB	31.4	31.5	11
384	K00010	JO	EB	21.1	21.2	0.6
385	K00007	JO	SB	159.2	159.3	18.4
386	K00007	JO	NB	162	162	21.1
387	K00007	JO	NB	122.4	122.5	12.1
388	K00010	JO	EB	32	32.1	11.5
389	K00010	JO	WB	33	33	12.3
390	K00007	JO	NB	122.1	122.2	11.8
391	K00010	JO	WB	26.1	26.2	5.5
392	K00010	JO	WB	21.3	21.4	0.8

393	I00435	JO	NB	5.5	5.6	13.3
394	K00010	JO	EB	21.6	21.7	1.2
395	K00007	JO	SB	156.1	156.2	15.3
396	K00010	JO	EB	25.7	25.8	5.1
397	I00435	JO	NB	2.6	2.7	10.3
398	K00010	JO	EB	30.5	30.6	9.9
399	K00010	JO	WB	21.4	21.5	1
400	K00010	JO	EB	30.4	30.5	9.8
401	K00010	JO	EB	32.2	32.3	11.7
402	K00010	JO	WB	22.8	22.9	2.3
403	K00010	JO	WB	21.6	21.7	1.2
404	K00010	JO	EB	21	21.1	0.5
405	K00007	JO	SB	164.4	164.5	23.7

DAS 131

2021 Alternate Log

Bonner Spring Area Office

Sample #	Route	County	Dir	Beginning Ref. Post	Ending Ref. Post	County Log Mi.
436	K00032	LV	EB	12	12.1	11.8
437	I00435	WY	NB	12.6	12.7	4.4
438	K00032	LV	EB	2.2	2.3	2.1
439	U00024	WY	EB	168	168	1.8
440	K00032	WY	WB	21.8	21.9	6.4
441	K00032	LV	EB	13.8	13.9	13.6
442	K00032	WY	WB	25.5	25.6	8.2
443	I00435	WY	NB	9.1	9.2	1.4
444	K00032	LV	EB	11.4	11.5	11.3
445	I00435	WY	NB	11.1	11.2	2.8
446	K00032	LV	EB	11.1	11.2	11
447	K00005	WY	SB	2.3	2.4	10.2
448	K00005	WY	NB	9.7	9.8	10.6
449	K00032	WY	EB	21	21	3.7
450	K00005	WY	SB	2.2	2.3	10.1

DAS 131

2021 Primary Log Bonner Springs Area Office

Sample #	Route	County	Dir	Beginning Ref. Post	Ending Ref. Post	County Log Mi.
406	I00435	WY	SB	12.1	12.2	3.8
407	U00073	WY	NB	0	0.1	0.4
408	I00435	WY	NB	11.4	11.5	3.1
409	K00005	WY	NB	0	0.1	0
410	K00032	WY	WB	20.5	20.6	3.4
411	K00032	LV	EB	11	11.1	10.9
412	I00435	WY	NB	18.7	18.8	10.5
413	K00005	WY	NB	5.9	6	6.8
414	U00024	WY	WB	417	417.1	0
415	U00024	WY	EB	419	419.1	2
416	K00032	WY	EB	18.8	18.9	1.7
417	K00032	WY	EB	26.2	26.3	8.9
418	I00435	WY	NB	8.5	8.6	0.7
419	K00032	LV	EB	13.6	13.7	13.4
420	I00435	WY	NB	15.3	15.4	7
421	K00007	WY	SB	165.3	165.4	0.9
422	K00032	WY	EB	18.9	19	1.8
423	K00032	WY	EB	22.6	22.7	5.4
424	K00005	WY	NB	4.9	5	5.8
425	I00435	WY	NB	10.6	10.7	2.3
426	K00032	WY	EB	22.5	22.6	5.3
427	K00032	WY	WB	27	27.1	9.7
428	I00435	WY	SB	14	14.1	5.7
429	I00435	WY	SB	14.6	14.7	6.3
430	K00032	WY	EB	28.2	28.3	11
431	K00005	WY	NB	9.4	9.5	10.3
432	K00032	WY	EB	24.7	24.8	7.4
433	K00032	WY	EB	18.5	18.6	1.4
434	K00032	LV	EB	10.8	10.9	10.6
435	I00435	WY	NB	15.3	15.4	7

DAS 132

2021 Alternate Log

Bonner Springs Area Office

Sample #	Route	County	Dir	Beginning Ref. Post	Ending Ref. Post	County Log Mi.
481	I00635	WY	SB	0.7	0.8	0.5
482	U00069	WY	NB	156	156.1	5.9
483	I00635	WY	NB	3.2	3.3	4.1
484	K00032	WY	WB	30.6	30.7	13.8
485	I00635	WY	NB	1.3	1.4	1
486	U00069	WY	NB	157.9	158	7.8
487	I00635	WY	NB	3	3.1	3.4
488	K00032	WY	EB	31.3	31.4	15
489	I00635	WY	NB	8.6	8.7	8.3
490	I00670	WY	WB	0.1	0.2	0.1
491	I00635	WY	SB	7.5	7.6	7.1
492	K00005	WY	NB	1.9	2	2.2
493	I00635	WY	SB	5.8	5.9	5.4
494	I00635	WY	NB	6.6	6.7	6.4
495	K00005	WY	NB	3.1	3.2	4

DAS 132

2021 Primary Log

Bonner Springs Area Office

Sample #	Route	County	Dir	Beginning Ref. Post	Ending Ref. Post	County Log Mi.
451	I00635	WY	NB	3.7	3.8	4.6
452	K00005	WY	SB	0.8	0.9	1.2
453	I00070	WY	EB	420.9	421	14.4
454	I00635	WY	NB	2.9	3	3.3
455	K00005	WY	SB	0.2	0.3	0.6
456	K00032	WY	WB	30.4	30.5	13.6
457	U00069	WY	NB	150.9	151	1.3
458	K00005	WY	NB	0.5	0.6	0.6
459	K00032	WY	EB	28.9	29	12.1
460	I00635	WY	SB	0.8	0.9	0.6
461	U00069	WY	NB	154.9	155	3
462	K00032	WY	WB	30.1	30.2	13.3
463	I00635	WY	NB	3.3	3.4	4.2
464	I00635	WY	SB	2.6	2.7	2.2
465	K00005	WY	NB	0	0.1	0
466	I00635	WY	NB	4.2	4.3	5.1
467	U00069	WY	NB	156.4	156.5	6.3
468	U00169	WY	SB	148.1	148.2	2.1
469	I00635	WY	SB	8.5	8.6	8.1
470	K00032	WY	EB	30.7	30.8	13.9
471	I00635	WY	SB	2.2	2.3	2
472	K00005	WY	SB	1.8	1.9	2.9
473	K00032	WY	EB	29.2	29.3	12.4
474	I00635	WY	SB	6.3	6.4	5.9
475	I00635	WY	SB	1.4	1.5	1
476	I00635	WY	NB	3.3	3.4	4.2
477	K00005	WY	NB	2.3	2.4	3.2
478	U00069	WY	SB	150.8	150.9	1
479	I00635	WY	SB	5.1	5.2	4.7
480	I00635	WY	NB	1.2	1.3	0.9

Sample #	Route	County	Dir	Beginning Ref. Post	Ending Ref. Post	County Log Mi.
496	U00073	LV	NB	35.1	35.2	13.5
497	U00073	LV	NB	25.3	25.4	3.5
498	K00092	LV	EB	40.6	40.7	15.1
499	U00073	WY	SB	18	18	4.1
500	K00005	WY	NB	10.7	10.8	14.7
501	K00005	LV	NB	24.1	24.2	7.4
502	U00024	LV	EB	403.2	403.3	5.9
503	K00092	LV	EB	26.4	26.5	0.9
504	U00073	LV	NB	23.1	23.2	1.3
505	U00073	LV	NB	30.7	30.8	8.9
506	U00073	LV	SB	23	23.1	1.2
507	U00073	LV	NB	35	35	13.3
508	U00024	LV	WB	416.3	416.4	19
509	U00024	LV	WB	416.1	416.2	18.8
510	K00092	LV	EB	32	32.1	6.5
511	K00192	LV	EB	16.2	16.3	8.3
512	K00092	LV	EB	40	40.1	14.5
513	K00016	LV	EB	112.8	112.9	6.7
514	K00092	LV	EB	39.7	39.8	14.2
515	K00005	WY	NB	16	16	15.8
516	U00073	WY	SB	18.6	18.7	4.9
517	U00073	LV	NB	22.3	22.4	0.5
518	U00073	LV	NB	28.8	28.9	7
519	U00073	LV	SB	22	22	0.1
520	K00192	LV	EB	14.2	14.3	6.4
521	U00024	LV	WB	412.2	412.3	14.9
522	K00005	LV	NB	17.2	17.3	0.5
523	K00005	LV	NB	18.5	18.6	1.7
524	U00073	LV	NB	25	25	3
525	U00024	LV	EB	406.2	406.3	8.8
526	K00092	LV	EB	40.8	40.9	15.3

527	K00092	LV	EB	30.5	30.6	5.1
528	U00073	WY	SB	418.1	418.2	1.8
529	K00005	LV	NB	19.1	19.2	2.3
530	U00024	LV	EB	398.8	398.9	1.5
531	U00073	LV	NB	28.4	28.5	6.6
532	K00092	LV	EB	28.1	28.2	2.6
533	U00073	LV	NB	37.8	37.9	16.2
534	U00073	WY	SB	20.7	20.8	6.9
535	K00092	LV	EB	39	39	13.4
536	U00073	LV	NB	34.2	34.3	12.7
537	K00092	LV	EB	35.3	35.4	9.8
538	U00024	LV	WB	411.5	411.6	14.3
539	U00073	LV	NB	23.7	23.8	1.9
540	U00073	LV	NB	32	32	10.3

DAS 134 **2021 Log** Bonner Springs Area Office

Sample #	Route	County	Dir	Beginning Ref. Post	Ending Ref. Post	County Log Mi.
541	K00004	JF	EB	355	355	18.6
542	U00024	DG	EB	393.7	393.8	2.9
543	K00092	JF	EB	6.1	6.2	6.2
544	U00059	JF	NB	181.1	181.2	18.1
545	K00016	LV	EB	107.3	107.4	1.6
546	U00059	JF	NB	179.8	179.9	16.8
547	K00016	JF	EB	88.5	88.6	16.2
548	U00024	DG	EB	394.2	394.3	3.4
549	U00024	DG	EB	391.5	391.6	0.7
550	K00016	JF	EB	85.4	85.5	13.1
551	U00059	JF	NB	175.6	175.7	12.9
552	U00059	JF	NB	187.8	187.9	24.8
553	K00004	JF	EB	348	348.1	11.6
554	K00192	JF	EB	0.7	0.8	0.7
555	K00092	JF	EB	3.7	3.8	3.8
556	K00092	JF	EB	2.2	2.3	2.3
557	U00059	JF	NB	191.4	191.5	28.4
558	K00092	JF	EB	4.3	4.4	4.6
559	K00004	JF	EB	354.4	354.5	18.1
560	U00059	JF	NB	169.3	169.4	6.7
561	K00092	JF	EB	6	6.1	6.1
562	K00004	JF	EB	359.4	359.5	22.9
563	K00092	JF	EB	6.2	6.3	6.3
564	K00004	JF	EB	360.4	360.5	23.8
565	K00004	JF	EB	355.6	355.7	19.3
566	K00192	JF	EB	5.2	5.3	5.2
567	U00059	JF	NB	186.4	186.5	23.4
568	K00192	JF	EB	6	6.1	6
569	K00016	JF	EB	88.8	88.9	16.5
570	K00004	JF	EB	359.5	359.6	23
571	U00024	DG	EB	396.3	396.4	5.5

572	U00059	JF	NB	172.4	172.5	9.7
573	K00092	JF	EB	5.4	5.5	5.5
574	K00016	JF	EB	79.1	79.2	6.8
575	K00004	JF	EB	355.3	355.4	19
576	U00059	JF	NB	186	186.1	23
577	U00059	JF	NB	178.5	178.6	15.8
578	K00004	JF	EB	359	359	22.4
579	K00092	JF	EB	7	7	7
580	U00059	JF	NB	185.1	185.2	22.1
581	K00092	JF	EB	2.8	2.9	2.9
582	K00004	JF	EB	349.4	349.5	13
583	K00092	JF	EB	1.5	1.6	1.6
584	U00059	JF	NB	173.8	173.9	11.1
585	U00024	DG	EB	392.8	392.9	2

DAS 141

2021 Alternate Log Gage Area Office

Sample #	Route	County	Dir	Beginning Ref. Post	Ending Ref. Post	County Log Mi.
616	U00024	JF	EB	376.6	376.7	4.6
617	U00024	JF	WB	374	374	1.9
618	K00004	SN	EB	321.8	321.9	26.1
619	U00024	JF	EB	380.2	380.3	8.2
620	U00024	SN	WB	366.2	366.3	20.2
621	U00024	SN	WB	371.5	371.6	25.6
622	U00024	SN	EB	371.5	371.6	25.6
623	U00024	SN	EB	367.4	367.5	21.6
624	K00004	JF	EB	341.6	341.7	5.1
625	K00004	JF	EB	323.6	323.7	0.2
626	K00004	SN	EB	322.3	322.4	29.6
627	U00024	SN	WB	365.4	365.5	19.4
628	U00024	SN	WB	366.6	366.7	20.7
629	U00024	SN	EB	367.5	367.6	21.7
630	U00024	JF	EB	379.7	379.8	7.7

DAS 141

2021 Primary Log

Gage Area Office

Sample #	Route	County	Dir	Beginning Ref. Post	Ending Ref. Post	County Log Mi.
586	K00004	JF	EB	344.7	344.8	8.3
587	U00024	JF	WB	372.2	372.3	0.4
588	U00024	JF	WB	377.2	377.3	5.2
589	U00024	JF	WB	374.3	374.4	2.3
590	U00024	SN	EB	369	369	22.9
591	K00237	JF	NB	2.6	2.7	2.7
592	U00024	JF	EB	384.8	384.9	12.8
593	U00024	JF	EB	383.7	383.8	11.7
594	U00024	SN	WB	368.3	368.4	22.3
595	U00024	JF	EB	373	373	0.9
596	U00024	SN	EB	365.3	365.4	19.3
597	K00004	SN	WB	0.1	0.2	26.3
598	U00024	SN	EB	372	372	25.8
599	I00070	SN	WB	364.6	364.7	18.6
600	U00024	JF	EB	374	374	1.9
601	U00024	SN	WB	365.5	365.6	19.5
602	K00004	JF	EB	339	339	2.4
603	K00004	SN	EB	321.9	322	26.2
604	U00024	SN	EB	370.8	370.9	24.8
605	U00024	SN	EB	368.7	368.8	22.7
606	U00024	JF	EB	380	380	7.9
607	U00024	SN	EB	368.2	368.3	22.2
608	U00040	SN	WB	1.6	1.7	20.6
609	K00004	JF	EB	344.5	344.6	8.1
610	K00004	SN	WB	0	0.1	26.2
611	U00024	SN	EB	367.2	367.3	21.4
612	U00024	JF	WB	373.2	373.3	1.2
613	K00004	JF	EB	337.7	337.8	1.3
614	K00004	JF	EB	340.6	340.7	4.1
615	U00024	SN	WB	370.2	370.3	24.2

DAS 142

2021 Alternate Log

Gage Area Office

Sample #	Route	County	Dir	Beginning Ref. Post	Ending Ref. Post	County Log Mi.
661	U00075	SN	SB	165.2	165.3	21.6
662	U00075	SN	NB	162.8	162.9	19.5
663	U00075	SN	NB	154.7	154.8	18.1
664	K00004	SN	EB	314.7	314.8	5.1
665	U00024	SN	EB	357	357.1	10.9
666	K00004	SN	EB	314	314.1	4.3
667	I00070	WB	EB	345.2	345.3	23.2
668	I00070	SN	EB	355	355	8.9
669	K00004	SN	EB	318.1	318.2	8.4
670	U00024	SN	EB	352.5	352.6	6.4
671	U00075	SN	SB	164.7	164.8	21.1
672	K00004	SN	EB	310	310	0.2
673	U00024	SN	EB	350.1	350.2	4
674	K00004	SN	EB	320.5	320.6	10.8
675	K00030	WB	EB	0.3	0.4	0.8

DAS 142

2021 Primary Log

Gage Area Office

Sample #	Route	County	Dir	Beginning Ref. Post	Ending Ref. Post	County Log Mi.
631	K00004	SN	EB	310.8	310.9	1.1
632	U00024	SN	EB	347.8	347.9	1.7
633	U00024	SN	EB	359.2	359.3	13.1
634	U00024	SN	EB	354.5	354.6	8.4
635	U00075	SN	SB	163.6	163.7	20
636	U00024	SN	EB	353.5	353.6	7.4
637	U00024	SN	EB	351.6	351.7	5.6
638	U00024	SN	EB	357.4	357.5	11.3
639	I00070	SN	WB	357.6	357.7	11.6
640	U00024	SN	WB	329.7	329.8	16.4
641	U00075	SN	SB	150.4	150.5	6.1
642	U00075	SN	SB	145.6	145.7	1.6
643	U00075	SN	NB	164.3	164.4	20.7
644	U00024	SN	EB	364.3	364.4	18.2
645	U00024	SN	EB	360.9	361	14.8
646	U00075	SN	SB	153.3	153.4	9.2
647	U00075	SN	NB	149	149.1	4.8
648	U00024	SN	EB	351.7	351.8	5.7
649	U00075	SN	NB	164.8	164.9	21.2
650	I00070	WB	WB	345.5	345.6	23.6
651	I00070	SN	WB	346.6	346.7	0.7
652	U00024	SN	EB	348.2	348.3	2.1
653	U00075	SN	SB	151.2	151.3	7
654	U00075	SN	NB	149.2	149.3	5
655	I00070	WB	EB	342.9	343	21.3
656	K00004	SN	EB	317.4	317.5	7.8
657	U00075	SN	SB	152.7	152.8	8.4
658	U00075	SN	NB	150.3	150.4	6.1
659	I00470	SN	WB	1.1	1.2	1.3
660	K00030	WB	EB	1.5	1.6	1.9

DAS 551

2021 Alternate Log

Wichita Hillside Metro Office

Sample #	Route	County	Dir	Beginning Ref. Post	Ending Ref. Post	County Log Mi.
4126	K00254	SG	WB	6.2	6.3	6.6
4127	K00096	SG	EB	285.1	285.2	21.9
4128	K00254	SG	EB	4.4	4.5	4.5
4129	K00254	SG	EB	5.3	5.4	5.3
4130	K00096	SG	EB	269.1	269.2	5.3
4131	K00096	SG	EB	278.7	278.8	14.9
4132	K00096	SG	WB	264.3	264.4	0.5
4133	K00096	SG	WB	269.6	269.7	5.8
4134	K00096	SG	WB	275.1	275.2	11.4
4135	I00235	SG	SB	10.6	10.7	10.7
4136	I00235	SG	NB	12	12	12
4137	K00096	SG	WB	278.4	278.5	14.6
4138	K00254	SG	WB	5.1	5.2	5.3
4139	K00254	SG	EB	2.7	2.8	2.8
4140	K00096	SG	EB	267	267.1	3.1

DAS 551

2021 Primary Log

Wichita Hillside Metro Office

Sample #	Route	County	Dir	Beginning Ref. Post	Ending Ref. Post	County Log Mi.
4096	I00235	SG	SB	8.3	8.4	8.4
4097	K00096	SG	EB	271	271	7.1
4098	K00096	SG	EB	264.2	264.3	0.3
4099	K00096	SG	WB	281.1	281.2	17.5
4100	K00096	SG	EB	284.4	284.5	20.8
4101	K00096	SG	WB	283.4	283.5	19.9
4102	I00235	SG	NB	7.7	7.8	7.8
4103	K00096	SG	EB	271.5	271.6	7.7
4104	K00096	SG	WB	268.6	268.7	4.8
4105	I00135	SG	SB	20.3	20.4	20.6
4106	K00096	SG	EB	271.3	271.4	7.5
4107	K00096	SG	WB	272.4	272.5	8.7
4108	K00096	SG	WB	267.2	267.3	3.3
4109	K00096	SG	EB	281.3	281.4	17.7
4110	K00096	SG	WB	282	282	18.3
4111	I00235	SG	SB	8.2	8.3	8.3
4112	K00096	SG	EB	269.8	269.9	6
4113	K00096	SG	EB	267.4	267.5	3.5
4114	K00096	SG	WB	281.7	281.8	18.1
4115	I00235	SG	SB	15.1	15.2	15.3
4116	K00096	SG	WB	265	265	1
4117	I00235	SG	NB	13.8	13.9	13.9
4118	K00096	SG	EB	276.1	276.2	12.3
4119	K00096	SG	WB	272.7	272.8	9
4120	K00096	SG	WB	275.7	275.8	12
4121	K00096	SG	WB	278.1	278.2	14.3
4122	I00135	SG	SB	16.6	16.7	17
4123	K00254	SG	EB	9.5	9.6	9.7
4124	K00096	SG	WB	267.6	267.7	3.7
4125	K00096	SG	WB	278	278	14.1

DAS 552

2021 Log

Wichita Hillside Metro Office

Sample #	Route	County	Dir	Beginning Ref. Post	Ending Ref. Post	County Log Mi.
4141	U00054	SG	EB	211.6	211.7	21.9
4142	U00081	SG	NB	53	53.1	6
4143	U00081	SG	NB	51.1	51.2	4.1
4144	I00235	SG	NB	0.3	0.4	0.3
4145	U00054	SG	WB	195.8	195.9	6.1
4146	U00081	SG	NB	51.4	51.5	4.4
4147	U00081	SG	NB	56	56.1	9.1
4148	U00054	SG	WB	210	210.1	20.3
4149	I00235	SG	NB	4	4.1	4.1
4150	U00054	SG	WB	207.6	207.7	17.9
4151	K00042	SG	EB	81.2	81.3	13.1
4152	U00054	SG	EB	215	215	25.2
4153	U00054	SG	EB	196	196	6.2
4154	K00042	SG	EB	82.1	82.2	14
4155	U00054	SG	EB	213.6	213.7	24
4156	U00081	SG	NB	51	51.1	4
4157	U00054	SG	EB	202.8	202.9	13.1
4158	U00054	SG	WB	204.3	204.4	14.6
4159	I00235	SG	NB	3	3	3
4160	K00251	SG	NB	1	1.1	1.1
4161	U00054	SG	WB	207.8	207.9	18.1
4162	U00054	SG	WB	200.4	200.5	10.7
4163	U00081	SG	NB	51.3	51.4	4.3
4164	U00054	SG	EB	195.1	195.2	5.4
4165	I00235	SG	NB	3.7	3.8	3.8
4166	U00054	SG	EB	192	192.1	2.3
4167	U00054	SG	EB	201.4	201.5	11.7
4168	U00054	SG	EB	199.7	199.8	10
4169	U00054	SG	WB	205	205	15.2
4170	U00054	SG	EB	198.6	198.7	8.9
4171	U00054	SG	WB	197.5	197.6	7.9

4172	K00042	SG	EB	78.8	78.9	10.7
4173	U00054	SG	EB	206.2	206.3	16.5
4174	I00235	SG	NB	2	2.1	2.1
4175	I00235	SG	SB	6	6	6
4176	K00042	SG	EB	73.1	73.2	5.2
4177	U00054	SG	WB	214.6	214.7	25
4178	I00235	SG	NB	3.8	3.9	3.9
4179	I00235	SG	SB	4.7	4.8	4.9
4180	U00054	SG	WB	205.7	205.8	16
4181	U00054	SG	WB	204.1	204.2	14.4
4182	U00054	SG	WB	189.7	189.8	0.1
4183	U00054	SG	WB	201	201	11.2
4184	U00054	SG	WB	209.5	209.6	19.9
4185	K00042	SG	EB	71.2	71.3	3.2

DAS 553

2021 Alternate Log

Wichita Hillside Metro Office

Sample #	Route	County	Dir	Beginning Ref. Post	Ending Ref. Post	County Log Mi.
4216	I00135	SG	NB	6.3	6.4	9.1
4217	K00096	SG	EB	293.4	293.5	28.4
4218	K00015	SG	SB	71.2	71.3	9.1
4219	K00096	SG	WB	294	294.1	29.5
4220	K00096	SG	EB	285.4	285.5	25.8
4221	K00015	SG	SB	73.5	73.6	11.5
4222	K00015	SG	SB	68	68	5.8
4223	K00096	SG	EB	294.6	294.7	29.7
4224	I00135	SG	NB	10	10.1	10.7
4225	K00015	SG	NB	65.7	65.8	3.6
4226	K00015	SG	NB	64.1	64.2	2
4227	K00096	SG	EB	295.3	295.4	30.3
4228	K00096	SG	WB	297	297.1	32.5
4229	K00096	SG	EB	296.4	296.5	31.5
4230	K00096	SG	WB	294.1	294.2	29.6

DAS 553

2021 Primary Log

Wichita Hillside Metro Office

Sample #	Route	County	Dir	Beginning Ref. Post	Ending Ref. Post	County Log Mi.
4186	U00054	SG	EB	220.3	220.4	30.6
4187	U00054	SG	EB	218.2	218.3	28.5
4188	K00096	SG	WB	285.9	286	26.1
4189	K00015	SG	NB	70.4	70.5	8.3
4190	K00015	SG	SB	66.3	66.4	4.3
4191	K00015	SG	NB	67.4	67.5	5.3
4192	U00054	SG	EB	218.4	218.5	28.7
4193	K00015	SG	NB	0	0.1	0
4194	K00096	SG	WB	286.8	286.9	27.1
4195	U00054	SG	WB	220	220.1	30.4
4196	K00096	SG	EB	297	297.1	32
4197	K00096	SG	WB	292.2	292.3	27.7
4198	K00015	SG	NB	63.2	63.3	1.1
4199	K00096	SG	WB	297.5	297.6	33.2
4200	K00015	SG	SB	71.1	71.2	9
4201	K00015	SG	SB	67.1	67.2	5
4202	U00054	BU	EB	226.5	226.6	0.6
4203	K00096	SG	EB	293.4	293.5	28.4
4204	I00135	SG	NB	3.9	4	5
4205	U00054	SG	EB	225	225	35.2
4206	U00054	BU	EB	227.1	227.2	1.2
4207	U00054	SG	EB	218.7	218.8	29
4208	U00054	BU	EB	227.1	227.2	1.2
4209	U00054	SG	EB	220.5	220.6	30.9
4210	K00015	SG	SB	66	66.1	3.9
4211	K00096	SG	WB	299.1	299.2	34.6
4212	U00054	SG	EB	221.2	221.3	31.5
4213	I00135	SG	SB	4.3	4.4	5
4214	U00054	SG	WB	222.3	222.4	32.7
4215	K00015	SG	SB	65.8	65.9	3.7

MCM7: Total Maximum Daily Load (TMDL) Regulated Pollutants

Part 1.D:

The section of the SMP applies to the following permit numbers: M-KS27-SU01; M-KS31-SU02; M-KS72-SU02; M-KS38-SU01; M-AR94-SU02. The purpose of this section is to provide an update per the permit requirement as discussed in Part I.D of the effective permit(s).

KDOT will implement Stormwater Control Measures (SCM) per the requirements of Part I.C.5, and as described in KDOT's effective SCM manual. This will evaluate opportunities for SCM implementation, consisting of both structural and non-structural BMP options, within existing KDOT maintained right-of-way within the urbanized area as described in the effective permit. Figure 1 through Figure 5 identifies the KDOT owned and operated corridors for each applicable permitted area.

KDOT owns and maintains only the right-of-way area as shown on each figure within each of the urbanized areas. The adjoining land is managed by other jurisdictions, under a separate permitting authority. KDOT only has jurisdiction within the limits of its right-of-way.

Update, Best Management Practices (BMP)

KDOT has developed a SCM manual applicable within the KDOT maintained right-of-way, within the permit defined area. This manual is implemented per the requirements stated in Part I.C.5. The SCM manual includes:

- Descriptions of preferred SCMs
- Design guidelines for SCMs
- Submittal guidelines for SCMs
- Effectiveness of SCMs. KDOT is referencing the *National Cooperative Highway Research Program (NCHRP) Research Report 922, Stormwater Infiltration in the Highway Environment: Guidance Manual,* 2019 for the effectiveness of SCMs in the highway right-of-way environment.
- Inspection and maintenance activities for SCMs.

SCMs will be implemented over time within the right-of-way, as part of other KDOT projects per the requirements of Part I.C.5. KDOT project opportunities for SCM include a preference to preserve existing vegetated areas and utilizing the right-of-way for stormwater management. KDOT's regular maintenance of SCMs will preserve the functionality of this infrastructure. Effectiveness will be monitored through regular inspection and maintenance activities.

Update, Measurable Goals to Assess the Effectiveness of the TMDL BMPs

Surface water monitoring and reporting is not required of KDOT, as stated in Part II of the effective permits. KDOT is meeting TMDL measurable goals to the maximum extent practicable through implementation of SCMs as part of KDOT projects within the permit areas, over a period of time.

Update, Maps shall be developed and maintained

Figure 6 through Figure 10 include the following information, as required per Part I.D.3: permit area, watershed boundaries, KDOT maintained bridges and culverts, and TMDL impaired water body, as listed in the permit, *Part II TMDL Table*, and in Table 1.

Figure 1 – Kansas City Urbanized Area, KDOT Right-of-Way

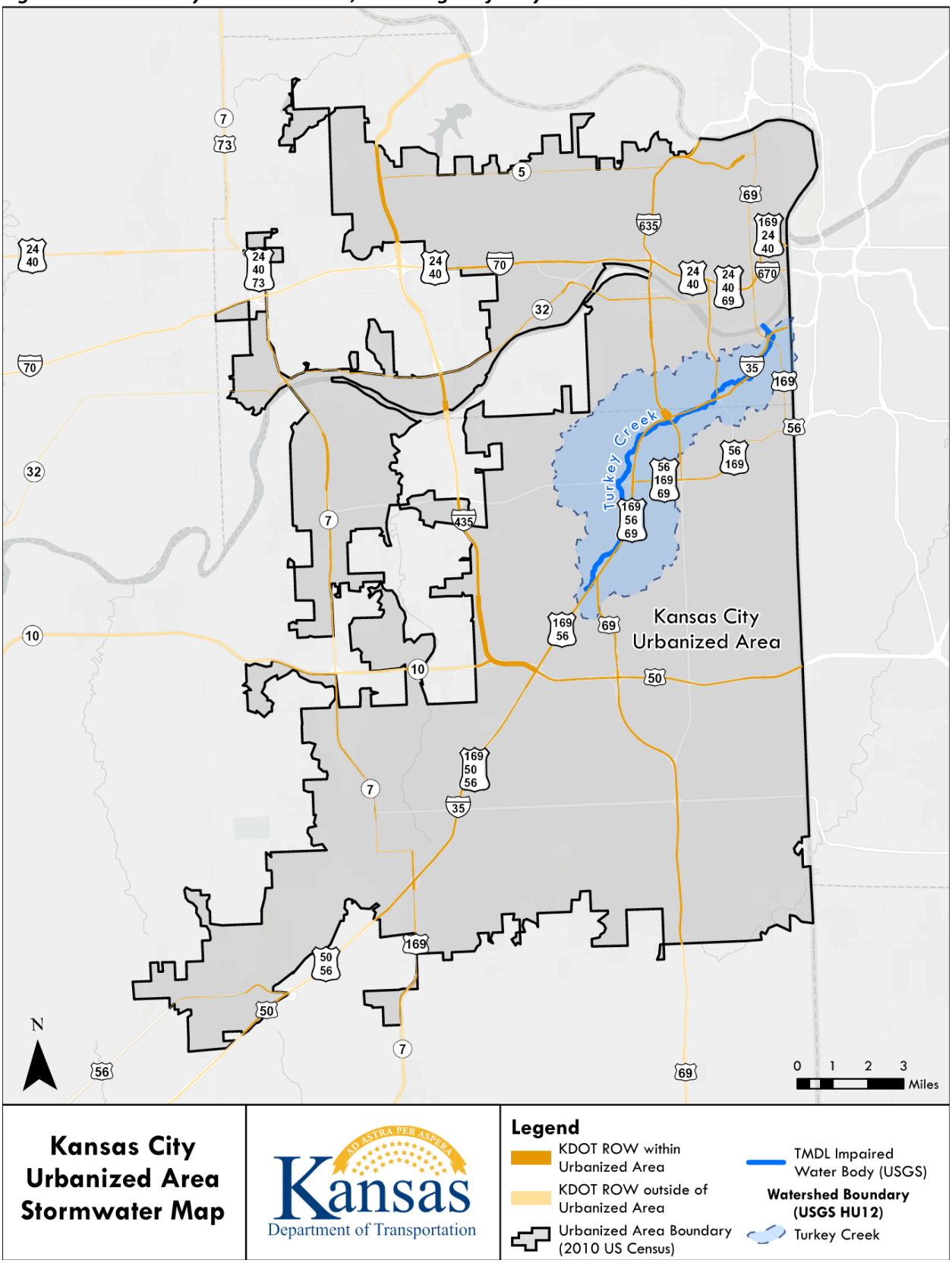


Figure 2 – Lawrence Urbanized Area, KDOT Right-of-Way

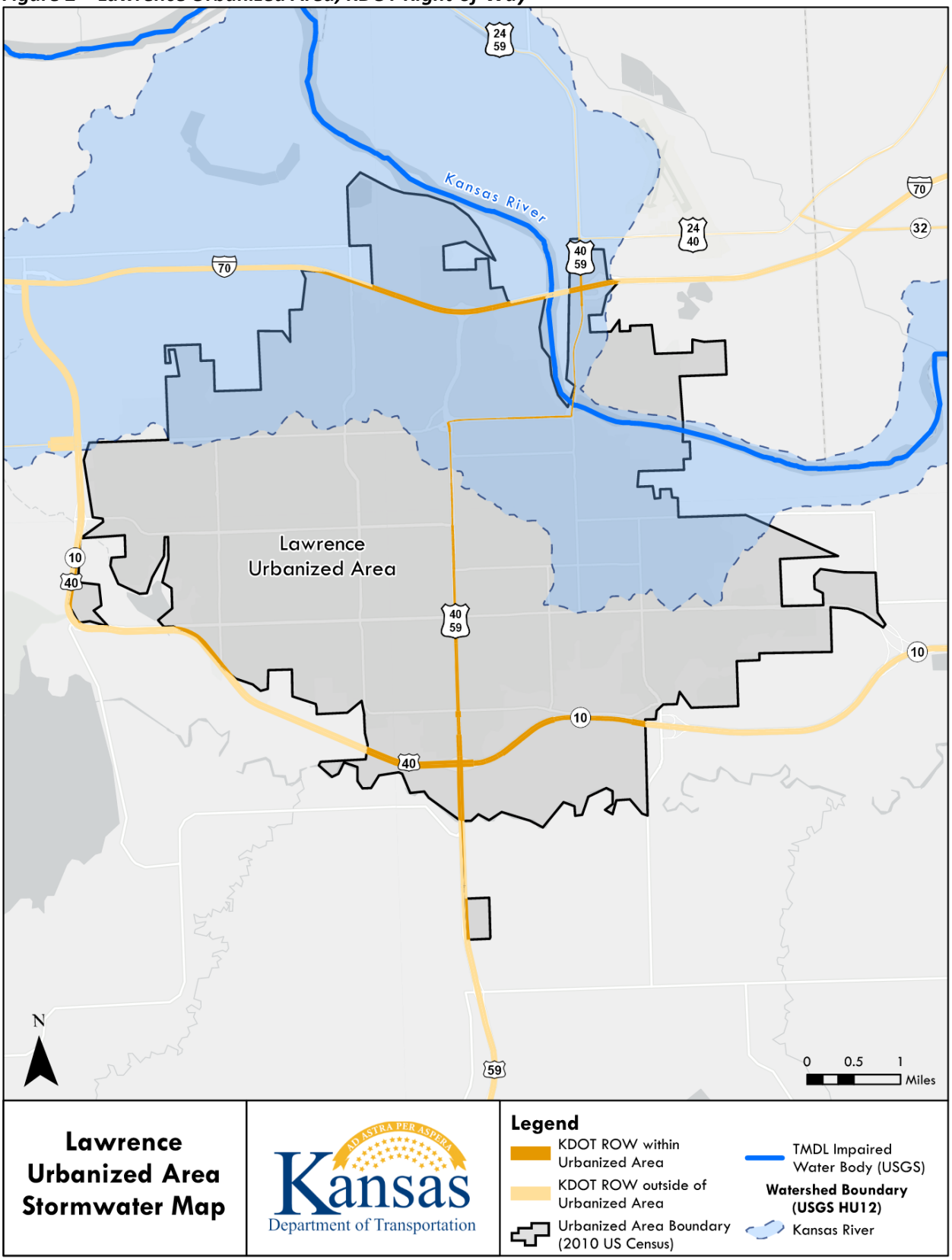


Figure 3 – Manhattan Urbanized Area, KDOT Right-of-Way

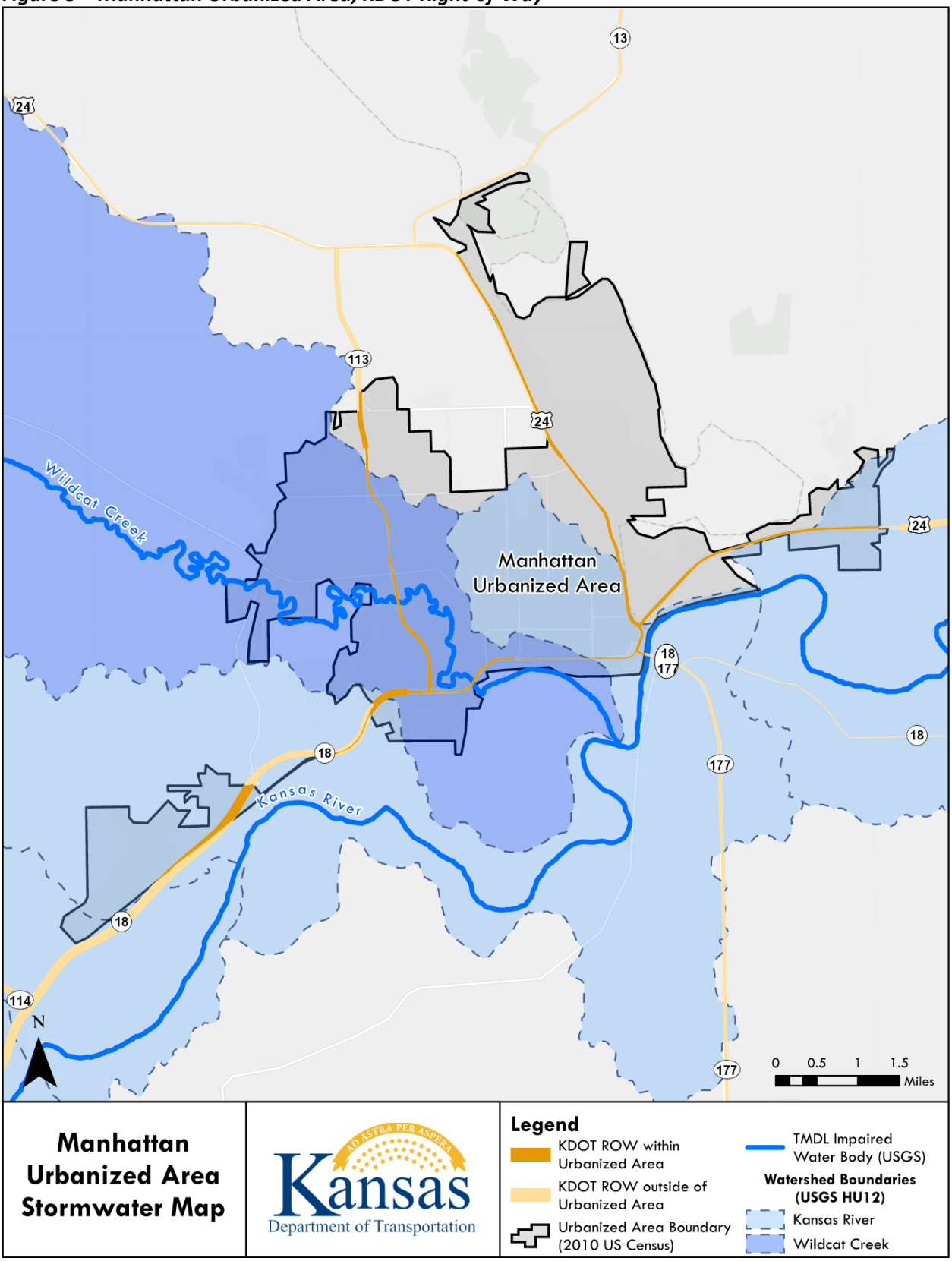


Figure 4 – Topeka Urbanized Area, KDOT Right-of-Way

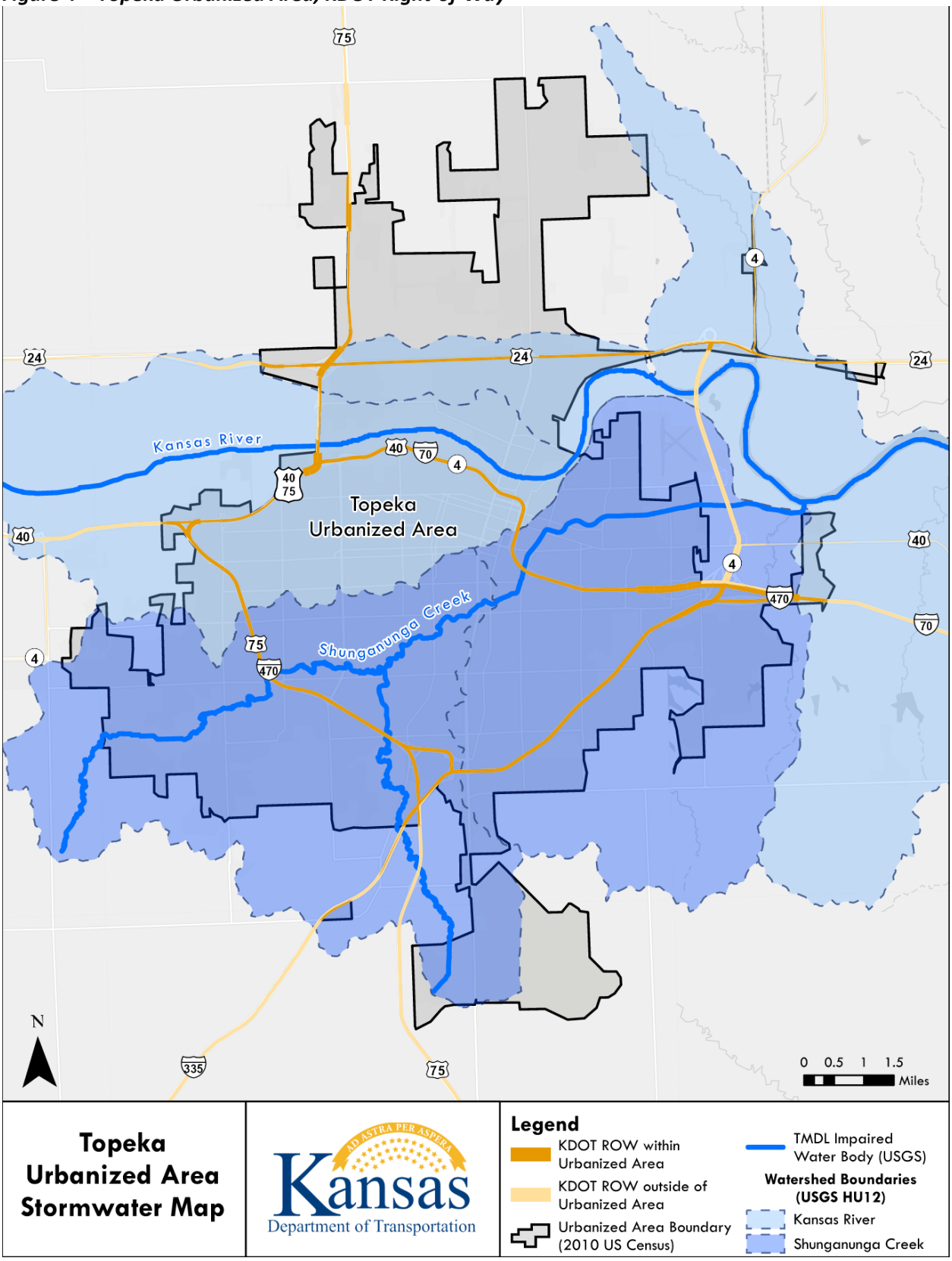


Figure 5 – Wichita Urbanized Area, KDOT Right-of-Way

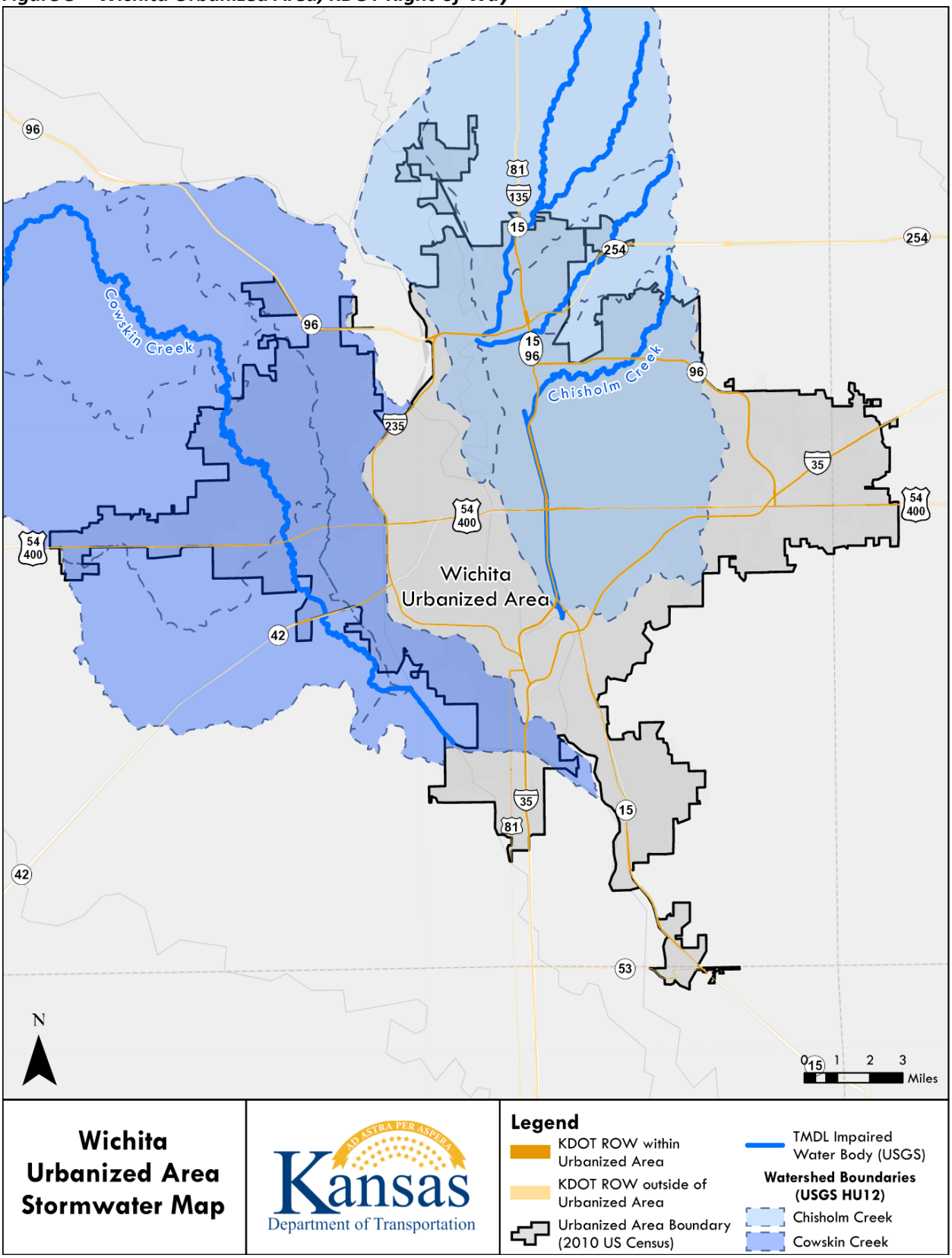


Figure 6 – Kansas City Urbanized Area, KDOT Bridges and Culverts

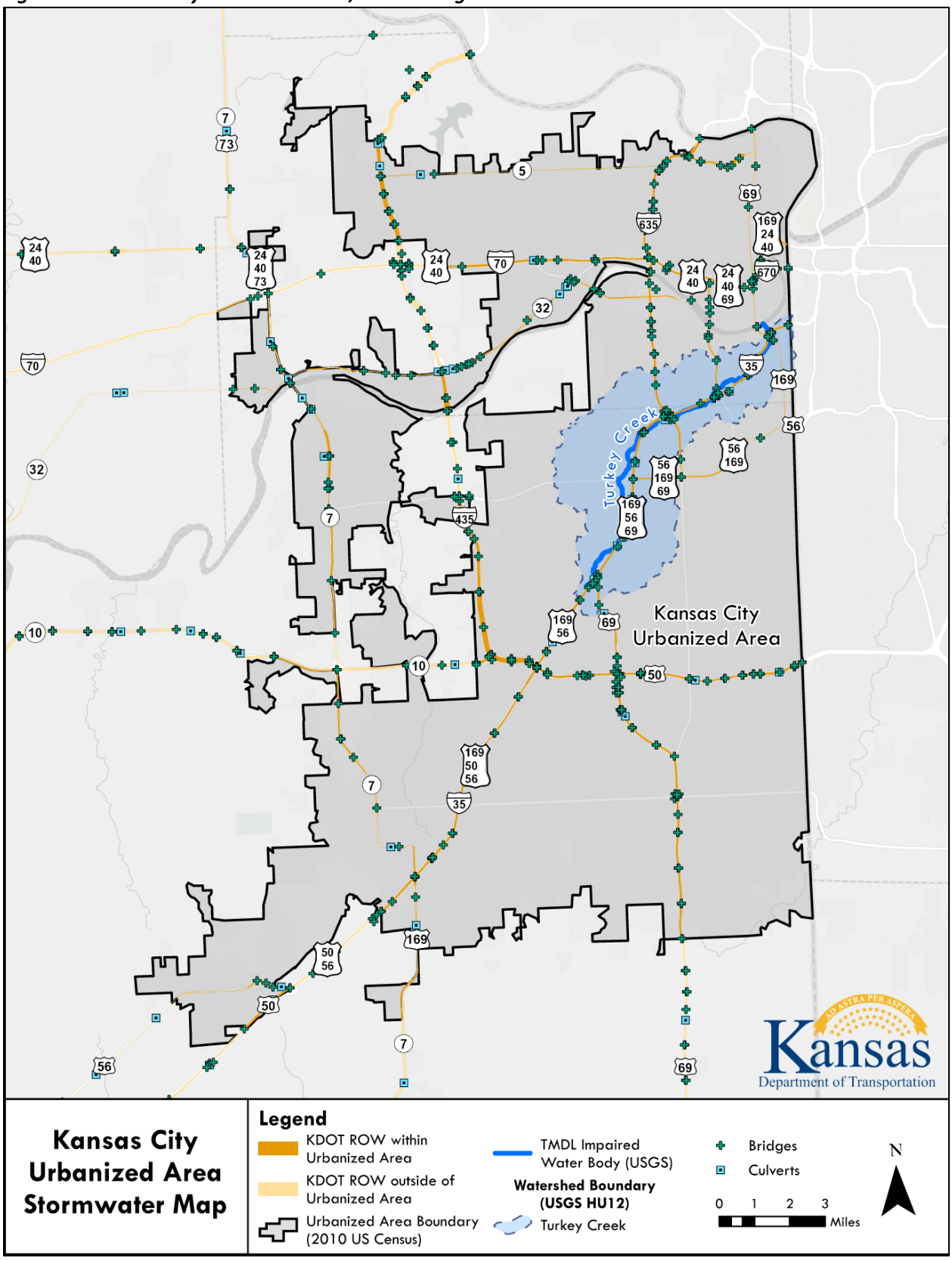


Figure 7 – Lawrence Urbanized Area, KDOT Bridges and Culverts

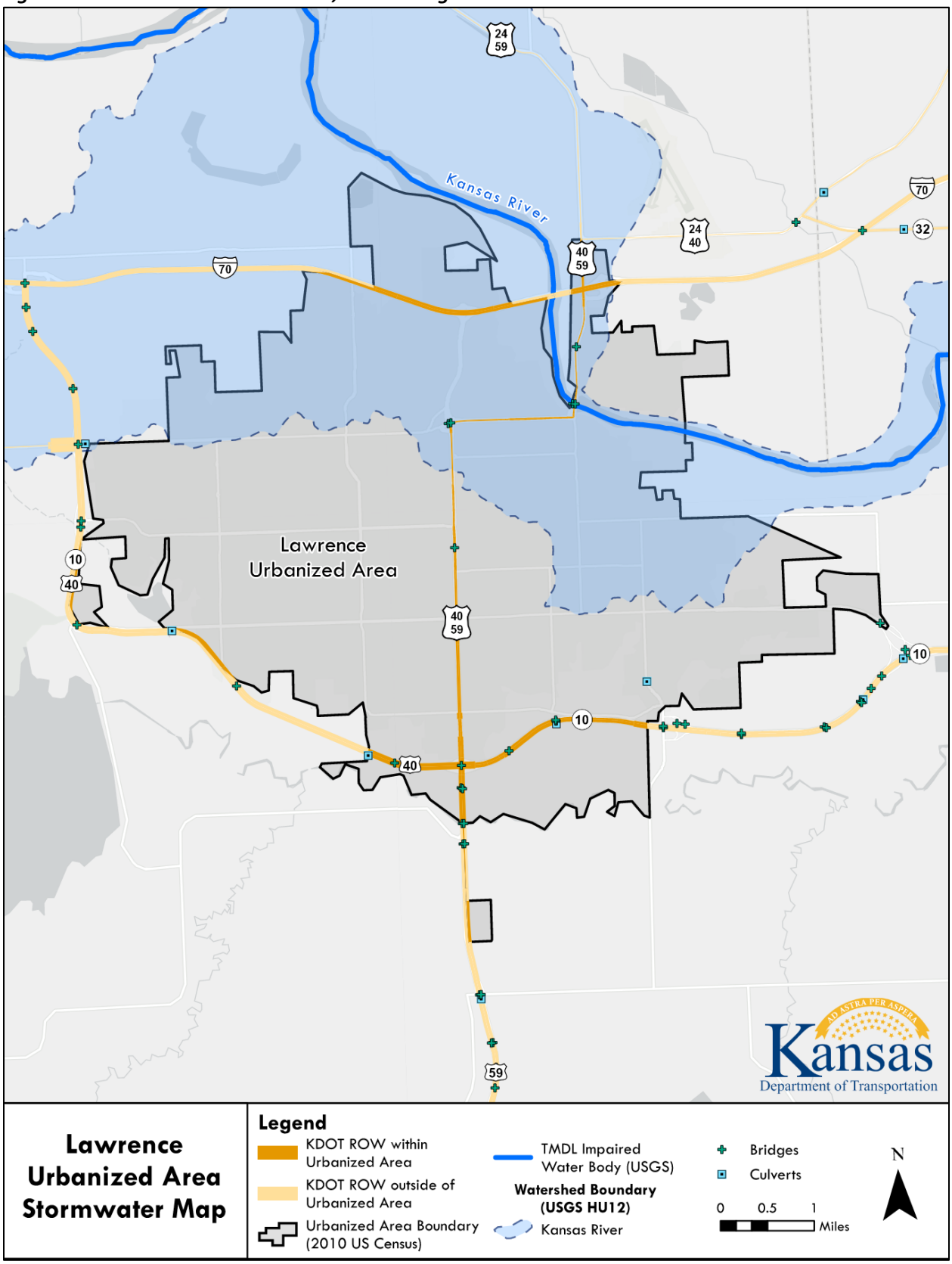


Figure 8 – Manhattan Urbanized Area, KDOT Bridges and Culverts

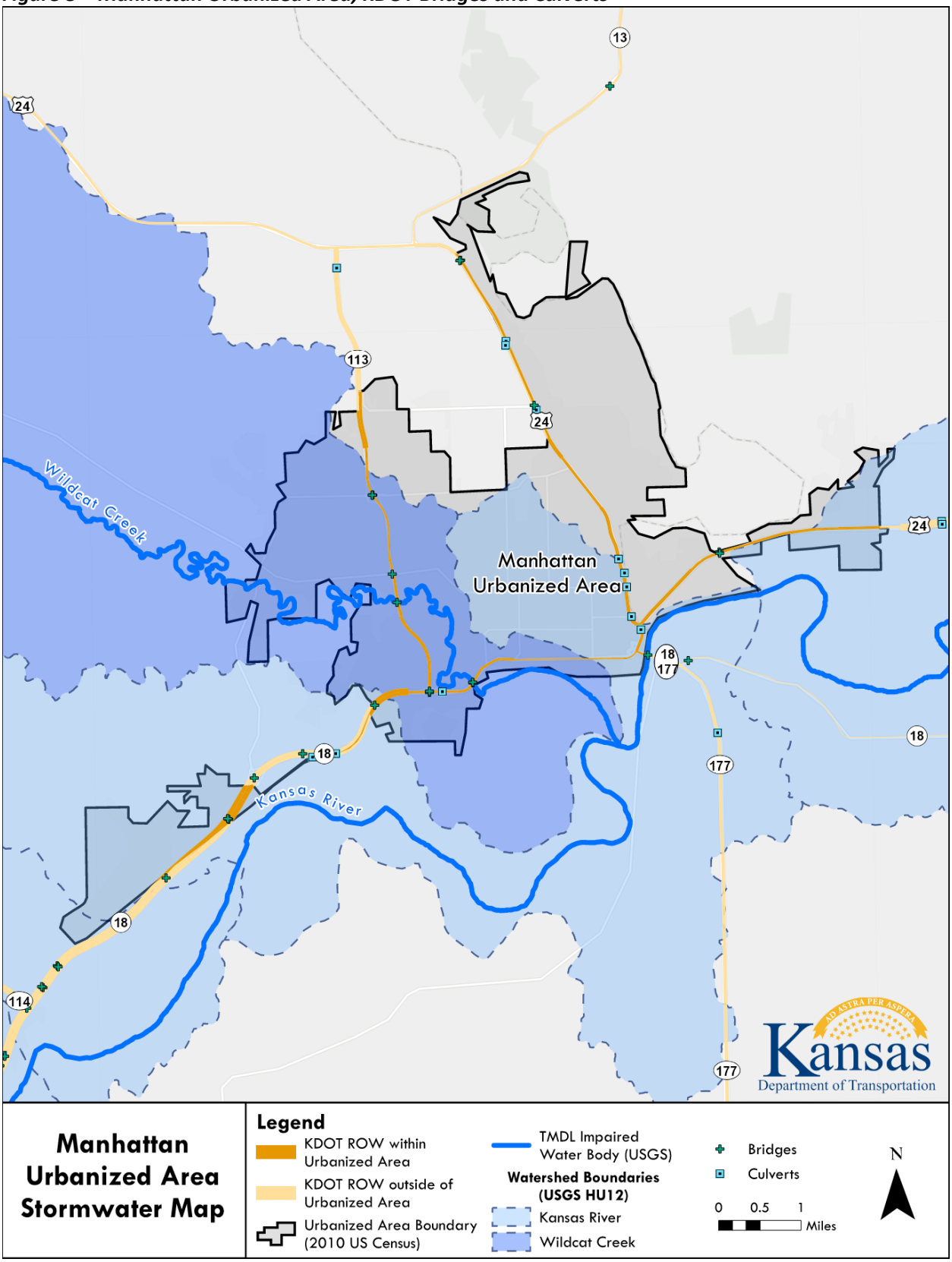


Figure 9 – Topeka Urbanized Area, KDOT Bridges and Culverts

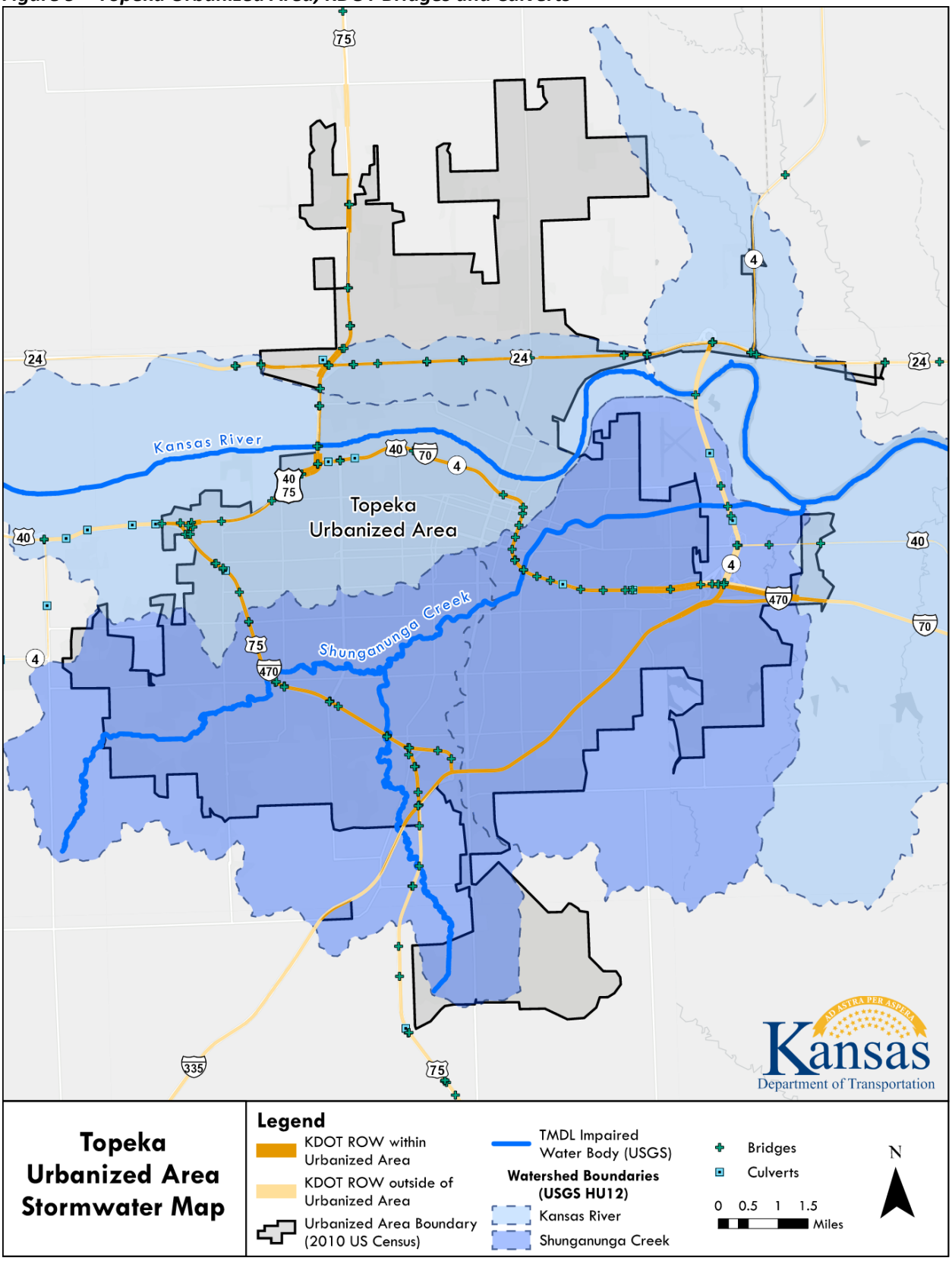
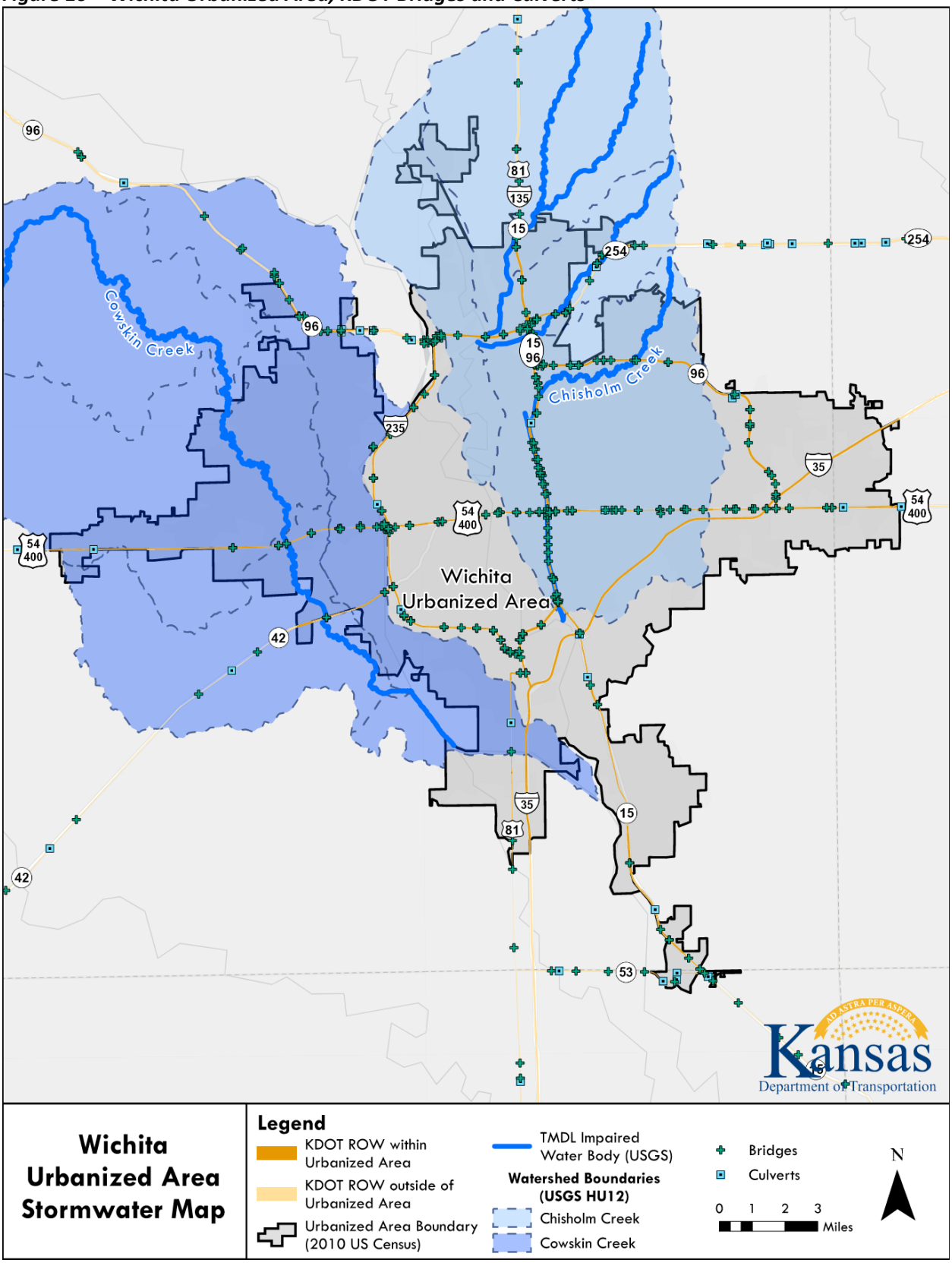


Figure 10 – Wichita Urbanized Area, KDOT Bridges and Culverts



Part II: Total Maximum Daily Load (TMDL) Best Management Practices and Surface Water Monitoring

Part II of the effective permit(s) states that KDOT "is required to implement BMPs to attenuate the discharge of TMDL regulated pollutants from the MS4 to specific impaired streams as listed in the TMDL Table." KDOT's permit obligations are listed in Table 7.1.

Table 7.1 – KDOT TMDL Table

Permit #	Urbanized Area	Water Body	Regulated Pollutants	KDOT's Percent Land Ownership in Watershed (Within permit area)
M-KS27-SU01	Kansas City	Turkey Creek	Bacteria; Nutrients; Sediment	4.0%
M-KS31-SU02	Lawrence	Kansas River	Bacteria; Nutrients; Sediment	1.8%
M-KS72-SU02	Topeka	Kansas River; Shunganunga Creek	Bacteria; Nutrients; Sediment	3.6%
M-KS38-SN01	Manhattan	Kansas River; Wildcat Creek	Bacteria; Nutrients; Sediment	2.9%
M-AR94-SU02	Wichita	Chisholm Creek; Cowskin Creek	Bacteria; Nutrients; Sediment	1.9%

Reference Table 7.2 for a list of available BMPs for implementation and their respective descriptions. KDOT's jurisdictional authority is limited to the land under its ownership in each of the respective watersheds, within the permit extents. Therefore, non-structural BMPs were identified by KDOT to provide the most impact toward reducing the discharge of pollutants within the permitted TMDL watersheds.

Table 7.2 - Available BMPs

Lbmp TMDL	KDOT Applicability		Description
	Existing	Future	
01	No	No	Install pet waste stations at parks, trails, rest areas, etc.
02	No	No	Establish program to encourage residential rain gardens
03	No	No	Install and operate a constructed wetland
04	No	No	Enact a stream buffer ordinance
05	No	No	Develop a pet waste document educating the public about animal waste contamination
06	Yes	Yes	Distribute “Only Rain Down the Drain” document
07	Yes	Yes	Inspect 10% of all known MS4 outfalls for dry weather discharges
08	No	No	Implement an alternative stormwater offsite pollution reduction program
09	Yes	Yes	Implement a program to collect and properly dispose of litter on four separate occasions per calendar year
10	No	No	Establish a program to encourage rainwater harvesting
11	No	No	Construct and maintain a structural BMP
12	No	No	Construct a stream bank stabilization project

BMPs identified as applicable to KDOT are described in the following subsections.

Lbmp TMDL - 06: Distribute "Only Rain Down the Drain" Document

Measurable Goal: Provide within permit area with suspected illicit discharges

For this BMP to be relevant in a linear transportation setting, KDOT assumes applicability in the following paragraphs.

KDOT works to educate the public on the importance of minimizing stormwater impacts by providing resources on the KDOT website. Both a 30-second and 10-minute Illicit Discharge Awareness videos are available to the public through KDOT's website: https://www.ksdot.org/bureaus/burMaint/StormWater/default.asp.

Topics discussed in the Illicit Discharge Awareness video include:

- Storm sewer purpose
- Storm sewer vs sanitary sewers
- Spotting illicit discharges
- Ecological impacts
- How to report illicit discharges

KDOT developed a brochure to educate the public about the Adopt-a-Highway program. This brochure provides information to help keep participants safe while volunteering to keep Kansas clean. Topics highlighted in this brochure include the following:

- What can I do?
- Be on the alert
- What to wear
- Things not to do
- Helpful hints
- Weather

The Adopt-a-Highway brochure is available to the public via KDOT's Adopt-a-Highway program webpage here: https://www.ksdot.org/Assets/wwwksdotorg/bureaus/burConsMain/Adopt-A-Highway-2011-Letter-for-web.pdf.

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KDOT continues to offer both the 30-second and 10-minute Illicit Discharge Awareness videos in English and Spanish on KDOT's website. Reference the links below for both videos:

- 30-second video: https://www.ksdot.org/bureaus/burMaint/StormWater/default.asp
- 10-minute video: https://www.ksdot.org/bureaus/burMaint/StormWater/MS4PubEd.asp

For the 2022 permit year, KDOT made the Adopt-a-Highway brochure available to the public here: https://www.ksdot.org/Assets/wwwksdotorg/bureaus/burConsMain/Adopt-A-Highway-2011-Letter-for-web.pdf.

Lbmp TMDL - 07: Inspect 10% of all Known MS4 Outfalls for Dry Weather Discharges

Measurable Goal: Complete inspection either annually or twice per year during dry weather periods

For this BMP to be relevant in a linear transportation setting, KDOT assumes applicability in the following paragraphs.

KDOT tracks inspections for structures classified as bridges, 10'-20' Series, and structures with openings less than 10-feet. The following software programs are utilized to tracks inspections of MS4 outfalls:

- Bridge Management
- BROMS (Bridge Office Management System)
- MQA (Maintenance Quality Assurance)

The inspections are then recorded in KDOT's Reports Portal.

At the date of this SMP, the following structure descriptions and software programs are as follows:

Bridges

Bridges are classified as structures that have an opening of 20-feet or greater. Inspections are documented through both the BROMS and Bridge Management software. Reference Table 7.3 for bridge inspection frequencies.

Table 7.3 – Bridge Inspection Frequencies

Rating	Rating Description	Inspection Frequency
4-	Poor Condition	Annually
5+	Great Condition	Every 2 years

10'-20' Series

Pipes and culverts greater than or equal to 10-feet but less than 20-feet are classified as 10'-20' Series structures. Inspections are documented through BROMS. Reference Table 7.4 for culvert inspection frequencies.

Table 7.4 – Culvert Inspection Frequencies

Rating	Rating Description	Inspection Frequency
4	Poor Condition	Annually
6	Good Condition	Every 2 years
8	Great Condition	Every 4 years

MQA Program

The purpose of the MQA program is to identify and prioritize maintenance projects and resources. According to the Maintenance Quality Assurance Program Manual (page 28), thirty 0.1-mile sample segments per maintenance subarea are randomly selected using the CANSYS database and rated against a level of service (LOS) criteria. These inspections occur annually in October. Upon completion, KDOT

compares the resulting LOS to the target LOS values. The five maintenance categories include travelway, traffic guidance, shoulders, drainage, and roadside.

Drainage is broken up into the following elements: curb & gutter, ditch, erosion control devices, culverts & pipes (excludes serial numbered structures), edge & underdrains, and inlets. A weighting factor of 14% is applied to drainage when determining the LOS. The statewide/district targeted LOS for drainage is 85.

For ditches to pass inspection, 80% of the ditch length must be free of scour more than six inches, blockage, standing water, and obstructions.

For culverts & pipes to pass inspection, they must meet the following LOS criteria:

- 75% of opening is unobstructed
- Functions as intended (check for erosion, scour, settlement at structure inlets and outlets)

For inlets to pass inspection, they must meet the following LOS criteria:

- 75% of cavity per structure is free of debris & operates as intended
- The inlet grate and access cover are present, where applicable
- The unit is structurally sound

Inspections are documented through the MQA inspection form. The purpose of the form is to record whether each element meets the associated LOS criteria. Upon completion, copies of these forms are sent to District MQA committee members and Area Superintendent. The inspection results are reported into KDOT's Report Portals. Original copies of the form are maintained for one-year.

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Table 7.5 contains information regarding the total structure inspections that occurred in 2021 and 2022 against the total structures in each urbanized area. This data was pulled from KDOT's Reports Portal up to December 31, 2022.

Table 7.5 – 2021-2022 Structure Inspections per Urbanized Area

			2021	2022
Urbanized Area	**County**	**Total Structures**	**Total Inspections**	**Total Inspections**
Kansas City	Johnson, Wyandotte	549	226	298
Lawrence	Douglas	145	3	124
Manhattan	Riley	85	48	34
St. Joseph	Doniphan	49	31	5
Topeka	Shawnee	225	3	203
Wichita	Sedgwick	461	56	350

KDOT manages a report of MQA program roadway segments completed annually. This list for 2021 is provided in the documentation for each urbanized area.

Lbmp TMDL - 09: Implement a Program to Collect and Properly Dispose of Litter on Four Separate Occasions per Calendar Year

Measurable Goal: Four litter collection efforts should, but not required to, occur seasonally

KDOT offers three programs to address litter and debris along Kansas highways:

Interstate Services

KDOT hires contractors to pick up debris and litter along KDOT roadways in the Kansas City urbanized area.

Adopt-a-Highway

Established in 1989, KDOT's Adopt-a-Highway program encourages citizens to volunteer to pick up litter and trash along state highways. Volunteers are required to pick up litter at least three times for a two-year period. Participants range from families to organizations such as youth groups, businesses, etc. Two-mile segments are the most common, but three-mile and one-mile segments are also an option depending on if it's an urban or rural setting.

Interested groups must complete an application and a release form. Signed by all participants within each group, the release form requires volunteers to agree to remove litter and trash a minimum of three times a year for a two-year period. The release form is then submitted to the nearest KDOT office. Groups who wish to reapply must complete a renewal form.

Additional information regarding the program, including the application form, renewal form, and safety video, can be found here: https://www.ksdot.org/bureaus/burMaint/Adoptahighway.asp.

Sponsor-a-Highway

KDOT's Sponsor-a-Highway program allows business to advertise their company name and logo within view of commuters. In return, the money raised from sponsorships funds litter removal on state highways. It ultimately results in cleaner and improved highways. Benefits of participating in this program include recognition as environmental supporters who support community responsibility.

Additional information regarding the program can be found here: https://www.ksdot.org/bureaus/burMaint/sponsorahighway.asp.

2022 Annual Report Update

In June 2021, KDOT contracted Interstate Business Solutions (IBS) to remove litter and debris from KC metro roadways. The original contract was expanded to include mileage on K10 (4.5 miles), I-70 (2.7 miles), and I-635 (1.3 miles). The contract includes two pickups per month for a total of 68.5 miles at a cost of $933,708 per year.

More information regarding this service can be found here: Litter Removal and Sweeping Services Clean up KC Metro Roadways. The contract with IBS is active for the next 5 years.

Table 7.6 summarizes Litter Program Activity in 2022.

Table 7.6 - 2022 Summary of Litter Program Activity

Urbanized Area	Adopt-A-Highway Number of Groups	Sponsor-A-Highway Number of Groups	IBS Litter Removal	Honor Camp – Prison Work Group*
Kansas City	13	19	68.5 miles (clean both directions, 2x/mo)	NA
St. Joseph	2	0	NA	NA
Lawrence	5	1	NA	NA
Topeka	7	1	NA	1 crew (5 days/wk)
Manhattan	7	0	NA	NA
Wichita	7	4	NA	3 crews (4 days/wk)

**KDOT provides the van, trailer, safety equipment, and reimburses the guard's salary for each crew.*

Kansas Department of Transportation

Stormwater Management Plan

Minimum Control Measure:
Total Maximum Daily Load (TMDL) Regulated Pollutants

Permit Year:
2022

BMP	Summary	Measurable Goal	KDOT Availability		Reference	How to Report	Claimed	
			Applicable	Points			2022	Points
Lbmp T M D L - 06	Distribute "Only Rain Down the Drain" door hangers or similar document	Provide in portions of the permit area with suspected illicit discharges.	Yes	2	Illicit Discharge Awareness Video 30-second (English/Spanish) Illicit Discharge Awareness Video 10-minute (English/Spanish)	1. Stormwater Management Plan: -Describe purpose and content of Illicit Discharge video 2. Annual Report: -Include a link to the website	☑	2
Lbmp T M D L - 07	Inspect 10% of all known MS4 outfalls for dry weather discharges either annually or 2x per year.	Complete inspection either annually or twice per year during dry weather periods. If dry weather discharge is found, follow-up with investigation to determine if a portion of all the discharge is illicit. Document findings; initiate efforts to eliminate any identified illicit discharges.	Yes	3	Reports Portal: -Bridges -10'-20' Series Culverts -Culverts -Stormwater Infrastructure MQA Software: -0.1-mile segments -Drainage: 14% WF -Ditch, culverts/pipes, inlets, etc.	1. Stormwater Management Plan: -Include program descriptions 2. Annual Report -Update *Structure Inspections per Urbanized area* table -Update MQA Log List	☑	3
Lbmp T M D L - 09	Implement a program to collect and properly dispose of litter, on four separate occasions per calendar year, within areas where littering has been identified as a problem. Such areas may include municipal parks, trails, rest areas, or other public lands owned by the permittee.	The four litter collection efforts should, but are not required to, occur seasonally, i.e., winter, spring, summer, and fall.	Yes	2	Interstate Services -District specific -Hire organizations to clean up litter along KDOT highways Adopt-a-Highway -Yearly announcement encouraging people to sign up -Litter cleanup Sponsor-a-Highway -Businesses pay a monthly fee to advertise on highway -Fee covers picking up trash	1. Stormwater Management Plan: -Describe IBS's contract to clean litter and debris from KC metro roadways -Include program descriptions 2. Annual Report -Save memo describing IBS's litter removal services -Provide # of active groups for both programs	☐ ☑	2

2022 - Total Maximum Daily Load (TMDL) Regulated Pollutants	
Available Points	7
Requirement	4
Claimed Points	7
Meets Requirements	Yes

Adopt - A - Highway

HELPING TO KEEP KANSAS CLEAN

Safety Tips • Adopting • Participating

Kansas Department of Transportation

In the city or in the country, along the highway or throughout the parks littering can be a costly and unslightly problem.

Litter can do the following:

- Pollute the land and waterways of Kansas
- Harm animals and vegetation
- Take away from the beauty of the state

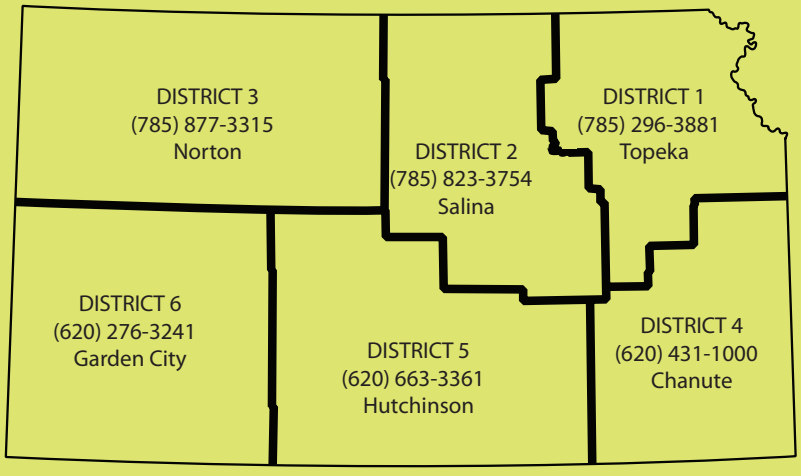
WHAT CAN I DO?

- Be active in helping to keep your town or community clean.
- Recycle aluminum, glass, paper and plastic.
- Buy recycled materials whenever possible.
- Don't throw litter out of vehicles.
- Join KDOT's Adopt-A-Highway program or other local anti-litter organizations.

HOW DO I JOIN?

- Any non-profit group that does not discriminate on the basis of race, religion, color or sex can participate in the Kansas Department of Transportation's Adopt-A-Highway program by calling your District office.

NOTE: This form is available in alternative accessible formats. To obtain an alternative format, contact the KDOT Bureau of Transportation Information, Eisenhower State Office Building, 2nd Floor, Topeka, Kansas 66603-3754, or phone (785) 296-3585 (Voice)/(Hearing Impaired -711).



AAH89F - Rev. 6-11
DOT Form No. 1210F

Thanks for participating in the Adopt-A-Highway program! This brochure provides information to help you have a safe and enjoyable time while working to keep Kansas roadways clean.

WHAT CAN I DO?

- Only pick up trash and litter.
- Car pool to reduce number of vehicles and park only in recommended areas.
- Work one side of highway at a time.
- Work only during daylight hours.
- Avoid contact with poisonous plants.
- Have a first aid kit and transportation available in case of emergency.

THINGS NOT TO DO

- **Do not allow children or pets at the litter pick up area or leave them in parked vehicles.**
- Do not mow or trim shrubs/weeds.
- Do not carry firearms, machetes or axes.
- Do not cross traveled sections of roadway.
- Do not pick up litter on bridges, underpasses, or overpasses.
- Do not use headsets or cell phones.

BE ON THE ALERT

- Notify nearest KDOT office, the Kansas Highway Patrol or the police of suspected toxic/ hazordous substances or dead animals DO NOT try to remove.
- Be alert for places where snakes may be located such as around logs, rocky area and tall grass. Avoid these areas.
- Fill sack with what goes in easily. Do not squeeze trash sacks to make room. This could result in injuries from broken or jagged objects.
- Stay clear of any maintenance or construction activities.
- Stay off roadway and paved or unpaved shoulder area, to pick up litter.

HELPFUL HINTS

- Face oncoming traffic while you work. Be prepared to move out of the way of the vehicles in an emergency.
- Avoid overexertion.
- Have a refresher session on safety awareness each time a crew goes out.
- Crew members should have the following minimum qualifications:
  - Good physical condition, including sight and hearing.
  - Mental alertness.
  - A sense of responsibility for safety of public and crew.
  - A willingness to use good common sense.
  - Must be at least 11 years old.

WHAT TO WEAR

- Wear light-colored clothing and your safety vest at all times.
- Wear heavy gloves. Do not pick up discarded syringes or hypodermic needles.
- Wear substantial leather shoes or boots with ankle support. Stay off steep slopes and watch your footing.
- Wear a hat and consider using sunscreen and insect repellent.
- Wear long-sleeved shirts when temperatures allow.

WEATHER

- Discontinue work in inclement weather, especially in times of reduced visibility and wet or icy roads.
- Be cautious of dry conditions. Be alert to fire hazards and do not smoke while working.
- Take breaks, especially when it's warm. Drink plenty of water, especially on warm days.
- Try to schedule clean-up times in the morning when it's cooler and visibility is better.