



Illinois Environmental Protection Agency

Bureau of Water • 1021 N. Grand Avenue E. • P.O. Box 19276 • Springfield • Illinois • 62794-9276

Division of Water Pollution Control ANNUAL FACILITY INSPECTION REPORT

for NPDES Permit for Storm Water Discharges from Separate Storm Sewer Systems (MS4)

This fillable form may be completed online, a copy saved locally, printed and signed before it is submitted to the Compliance Assurance Section at the above address. Complete each section of this report.

Report Period: From March, 2015 _____ To March, 2016 _____

Permit No. ILR40 00259

MS4 OPERATOR INFORMATION: (As it appears on the current permit)

Name: County of Kane Mailing Address 1: 719 Batavia Avenue

Mailing Address 2: _____ County: Kane

City: Geneva State: IL Zip: 60134 Telephone: 630-232-3497

Contact Person: Rob Linke, P.E. Email Address: linkerobert@co.kane.il.us
(Person responsible for Annual Report)

Name(s) of governmental entity(ies) in which MS4 is located: (As it appears on the current permit)

Kane County

THE FOLLOWING ITEMS MUST BE ADDRESSED.

A. Changes to best management practices (check appropriate BMP change(s) and attach information regarding change(s) to BMP and measurable goals.)

- | | | | |
|--|--------------------------|---|--------------------------|
| 1. Public Education and Outreach | <input type="checkbox"/> | 4. Construction Site Runoff Control | <input type="checkbox"/> |
| 2. Public Participation/Involvement | <input type="checkbox"/> | 5. Post-Construction Runoff Control | <input type="checkbox"/> |
| 3. Illicit Discharge Detection & Elimination | <input type="checkbox"/> | 6. Pollution Prevention/Good Housekeeping | <input type="checkbox"/> |

B. Attach the status of compliance with permit conditions, an assessment of the appropriateness of your identified best management practices and progress towards achieving the statutory goal of reducing the discharge of pollutants to the MEP, and your identified measurable goals for each of the minimum control measures.

C. Attach results of information collected and analyzed, including monitoring data, if any during the reporting period.

D. Attach a summary of the storm water activities you plan to undertake during the next reporting cycle (including an implementation schedule.)

E. Attach notice that you are relying on another government entity to satisfy some of your permit obligations (if applicable).

F. Attach a list of construction projects that your entity has paid for during the reporting period.

Any person who knowingly makes a false, fictitious, or fraudulent material statement, orally or in writing, to the Illinois EPA commits a Class 4 felony. A second or subsequent offense after conviction is a Class 3 felony. (415 ILCS 5/44(h))

Owner Signature:

Kenneth N. Anderson, Jr.

Printed Name:

05.27.16
Date:

Director, KC. Div.Env. & Water Resources

Title:

EMAIL COMPLETED FORM TO: epa.ms4annualinsp@illinois.gov

or Mail to: ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
WATER POLLUTION CONTROL
COMPLIANCE ASSURANCE SECTION #19
1021 NORTH GRAND AVENUE EAST
POST OFFICE BOX 19276
SPRINGFIELD, ILLINOIS 62794-9276

COUNTY OF KANE

KANE COUNTY ENVIRONMENTAL &
WATER RESOURCES DIVISION

Kenneth N. Anderson, Jr.
Director



County Government Center
719 Batavia Avenue
Geneva, IL 60134
Phone: (630) 232-3497
Fax: (630) 208-3837
<http://www.co.kane.il.us>

May 27, 2016

Illinois Environmental Protection Agency
Division of Water Pollution Control
Compliance Assurance Section
Municipal Annual Inspection Report
1021 North Grand Avenue East
P.O. Box 19276
Springfield, IL 62794-9276

Re: Annual Report NPDES Permit No. ILR400259

Please find attached a copy of the 2015-2016 annual report for Kane County.

If you have any questions, please feel free to contact me at the above number.

Sincerely,

A handwritten signature in black ink, appearing to read "Kenneth N. Anderson, Jr.", written in a cursive style.

Kenneth N. Anderson, Jr.
Director

Kane County Division of Environmental & Water Resources

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
ANNUAL FACILITY INSPECTION REPORT
YEAR 2 – 2015/2016
NPDES PERMIT FOR STORM WATER DISCHARGES
FROM MUNICIPAL SEPARATE STORM SEWER SYSTEMS (MS4)
Kane County, Illinois
(NPDES Permit No. ILR400259)

I. CHANGES TO BEST MANAGEMENT PRACTICES

There are no changes to the Best Management Practices for the six minimum control measures as submitted in the original NOI for Kane County as described in Section II of this Annual Report, Status of Compliance with Permit Conditions.

II. STATUS OF COMPLIANCE WITH PERMIT CONDITIONS

Kane County began the new five-year permit cycle in 2014 and is confident that the BMPs listed in the 2014 Notice of Intent and summarized below are appropriate choices to meet the requirements of the NPDES Phase II Program to minimize nonpoint source pollution in Kane County, Illinois. Best Management Practices as described in Kane County’s 2014 Notice of Intent have been implemented on or ahead of schedule, with the exception of select items noted in their descriptions below.

A. PUBLIC EDUCATION AND OUTREACH

1. BMP A.1—Distributed Paper Material: *Green Guide Insert*

MEASURABLE GOALS	Include “Water Wise Corner” insert in the <i>Kane County Recycles Green Guide</i> , which is published each spring and distributed via hard copies and electronic versions throughout the County each year.
MILESTONES	Develop Green Guide insert format and include insert in <i>Green Guide</i> in spring 2015.
RESULTS	The “Water Wise Corner” insert was included in the <i>Green Guide</i> in spring 2015, which was distributed to 47,000 residents countywide (via 40,000 print copies and 7000 digital downloads of the document from the Kane County website).

2. BMP A.2—Speaking Engagement: *Speakers Bureau of Kane County Healthy Places Coalition and Green Advocates*

MEASURABLE GOALS	To provide information and resources to homeowners on conservation and best management practices. One speaking engagement per year is anticipated during the five year permit cycle. In addition, outreach through <i>Kane County Connects</i> will help those who live, work and visit Kane County be better stewards of the environment.
MILESTONES	Develop presentations with stormwater BMP information, and make presentations as needed.
RESULTS	During Year 2, Kane County staff delivered 5 presentations to educate the public and stakeholders about water quality issues and stormwater Best Management Practices: <ul style="list-style-type: none"> • Green infrastructure presentation to Chicago Wilderness (4/3/15) • American Planning Association Conference, County Division (4/19/15) • The Conservation Foundation’s Kane County Advisory Council (5/7/15) • Metro West Council of Governments (10/15/15) • Fox Valley Sustainability Network launch meeting (3/16/16) • Fox River Summit (3/18/16)

	Additionally, 8 articles were included in the <i>Kane County Connects</i> (http://kanecountyconnects.com/) newsletter/website to educate the community about stormwater BMPs and water conservation (4/28/15, 6/5/15, 7/17/15, 9/2/15, 9/25/15, 10/23/15, 11/2/15, 3/11/16), reaching over 10,000 people throughout the County with each article.
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3. BMP A.3—Public Service Announcement: *PSA at Local Movie Theaters*

MEASURABLE GOALS	Based on funding and cost of public service announcements/number of movie theaters, establish program to provide widespread coverage to diverse audience.
MILESTONES	Develop database of movie theaters in area and establish costs. Identify/develop public service announcements.
RESULTS	During Year 2, Kane County’s public service announcement was on BATV from May—August 2015, and also posted on the Kane County website and linked to Kane County Connects through the 4/28/15 article on outdoor water conservation.

4. BMP A.4—Community Event: *Community Well and Septic Seminar*

MEASURABLE GOALS	Provide a yearly well and septic seminar through the Health Department to educate residents on the proper maintenance of wells and septic systems. Continue to distribute brochures for septic maintenance.
MILESTONES	Plan and execute seminar; Distribute brochures on as needed basis.
RESULTS	The seminar during Year 2 was held on 9/30/15 at the University of Illinois Extension office in St. Charles. Well and septic educational brochures were also distributed at the Green Fair on the Fox in Batavia on 8/8/15, “It’s our River Day” in Algonquin on 9/12/16, and are available year-round digitally on the Environmental Health page of the Kane County Health Department’s website.

5. BMP A.5—Classroom Education Material: *Library Display Cases*

MEASURABLE GOALS	Establish network of Kane County libraries and develop a display case to promote the newly published Outdoor Water Conservation Manual for NWA communities with an emphasis on reduction of nutrients and fertilizers.
MILESTONES	Develop network of library contacts, scheduling information and detail on display cases. Create a dynamic display with "take away" information suitable for a 7 th -8 th grade audience.
RESULTS	For Year 2, educational displays were set up at the Dundee Library and the Randall Oaks Library in West Dundee during the summer of 2015.

6. BMP A.6 – Other Public Education: *New Homeowner Resource Card*

MEASURABLE GOALS	Provide new homeowners with a resource card for County services including links for recycling, green lawn maintenance, well and septic brochures, etc. Distribute through County building permit and Welcome Home programs.
MILESTONES	Develop resource cards and print.
RESULTS	During Year 2, approximately 250 homeowner resource cards were distributed via numerous public outreach events, including:

	<ul style="list-style-type: none"> • United Methodist Women’s Group presentation (4/11/16) • Earth Day Celebration at St. Peter Church, Geneva (4/18/15) • Elgin Sustainability Fair (4/22/15) • Green Fair on the Fox (8/8/15) • It’s our River Day (9/19/15) • Home Show at Pheasant Run, St. Charles (9/27/15) • Home Show at Pheasant Run, St. Charles (2/14/16) <p>Resource cards were also made available at the front desk areas of the Kane County Development Department and the two Health Department offices.</p> <p>Additionally, the Environmental & Water Resources Division developed a new pet waste management tip card during Year 2. Over 500 of these new tip cards were distributed through several methods:</p> <ul style="list-style-type: none"> • Mailings to 22 veterinary facilities throughout Kane County • Kane County Animal Control Dog Jog (10/3/15) • Run Fur Fun event in St. Charles (3/6/16)
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B. PUBLIC PARTICIPATION/INVOLVEMENT

1. BMP B.3—Stakeholder Meeting: *Public Meetings – Kane County Stormwater Management Committee*

MEASURABLE GOALS	The Kane County Stormwater Committee meets on an as needed basis at the County Government Center to discuss stormwater management issues, including water quality issues. Meetings are publicized in local newspapers and are open to the public for citizen input.
MILESTONES	Continue to hold regular Stormwater Management Committee Meetings.
RESULTS	Due to a lack of pressing issues, no Stormwater Management Committee meeting were held during Year 2 of this permit cycle.

2. BMP B.5—Volunteer Monitoring: *Stream Monitoring Program*

MEASURABLE GOALS	A total budget of \$53,900 is allocated through the Kane County Riverboat Grant Fund for stream gage monitoring in 2015. In addition, Kane County has been an active participant in the Fox River Study Group (FRSG).
MILESTONES	Continue to support stream gauge monitoring and FRSG.
RESULTS	During Year 2, Kane County provided financial support of \$53,900 to the USGS for stream/rainfall gages, and provided financial support of \$500 to the Friends of the Fox River to support volunteer monitoring efforts. Additionally, Environmental & Water Resources Division staff regularly participated in meetings of the Fox River Study Group.

3. BMP B.7—Other Public Involvement: *Stream Clean-up Program*

MEASURABLE GOALS	Beginning in 2003, Kane County supported volunteer stream clean-up events on streams in Kane County by providing financial assistance to provide a means for members of the public to directly connect with their local waterways, remove potential sources of pollution and raise awareness of water quality issues.
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MILESTONES	Support the Friends of the Fox River as needed and according to available resources.
RESULTS	During Year 2, the Division of Environmental & Water Resources provided financial support of \$500 to the Friends of the Fox River to assist with river clean-ups in the Kane County portion of the Fox River Watershed.

B. ILLICIT DISCHARGE DETECTION AND ELIMINATION

1. BMP C.1—Storm Sewer Map Preparation: *Stormwater System Mapping*

MEASURABLE GOALS	Kane County will update its storm sewer mapping in GIS to include the location and size of all County-owned storm water outfalls to receiving streams in the Urbanized Area. New outfalls are added or identified will be added to the existing storm sewer GIS data layer.
MILESTONES	Update Stormwater System Map and coordinate with GIS Department to add storm sewer layer as funds allow.
RESULTS	In 2015-2016 (Year 2), Kane County prepared updated maps of existing storm sewer systems on all county-owned properties within the Urbanized Area.

2. BMP C.2—Regulatory Control Program: *Under State/local law, effectively prohibit, through regulatory mechanism, non-stormwater discharges into the County's MS4*

MEASURABLE GOALS	Kane County has regulatory authority to prohibit septic system discharges into the County-owned storm sewers or open channels. If an illegal discharge is suspected, the Health Department inspects the site and may conduct a dye test and/or collect a water sample for analysis. If the discharge is illegal, the County issues the owner a 30 day notice to correct the deficiency. If the illegal discharge is not corrected, the Health Department then turns the case over to the State Attorney to pursue legal action to enforce elimination of the illegal discharge. Non-septic system discharges are not regulated by the County and these types of suspected illegal discharges are addressed by notifying the regional IEPA office and coordinating with their investigation.
MILESTONES	Continue to utilize regulatory authority to prohibit, inspect, and follow up with enforcement for illegal discharges into the County's MS4.
RESULTS	The Kane County Health Department has continued to enforce its regulatory authority to prohibit, inspect, and follow up with enforcement for illegal discharges into the County's MS4. Over the past year, the Health Department has investigated twenty-five (25) potential septic failure complaints. One complaint was taken through the county's Administrative Adjudication process to achieve compliance. The Health Department continues to work with the community of Virgil to identify and correct any septic systems that are not in compliance.

3. BMP C.10—Other Illicit Discharge Controls: *Kane County Employee Training Program to Identify Illicit Discharges*

MEASURABLE GOALS	All of the County's Health Inspectors and other County employees are trained yearly on identifying suspected illicit discharges and procedures for eliminating the discharges.
MILESTONES	Health inspectors continue to receive annual training on Illicit Discharge Detection and Elimination.

RESULTS	Kane County Health Department staff that deal with septic issues receive a minimum of three hours of continuing education each year. All staff that handle private sewage disposal system inspections attended a minimum of 3 hours of onsite sewage disposal training over the past year. The attendees of the private sewage disposal trainings were Amy Lantis, Austin Schramer, Vic Mead, Julie Wiegel and Joe Durczak.
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C. CONSTRUCTION SITE RUNOFF CONTROL

1. BMP D.7—Other Construction Site Runoff Controls: *Kane County Stormwater Ordinance*

MEASURABLE GOALS	Kane County adopted a county-wide Stormwater Management Ordinance in 2001, which regulates construction site and post-development stormwater runoff. The County enforces this stormwater program in unincorporated areas of the County, as well as non-waiver communities that do not have the in-house resources to administer and enforce the Ordinance. The Kane County Stormwater Management Ordinance addresses all requirements of the Construction Site Runoff Control Measures.
MILESTONES	Implement and enforce the Kane County Stormwater Ordinance.
RESULTS	Kane County continuously administers the countywide stormwater ordinance in the unincorporated area of Kane County, as well as the non-waiver communities that do not have the in-house resources to administer and enforce the Ordinance. This ordinance addresses all requirements of the Construction Site Runoff Control Measures with the exception of management of construction waste and concrete truck washout. The management of construction waste and concrete truck washout is currently regulated under other County ordinances.

E. POST-CONSTRUCTION RUNOFF CONTROL

1. BMP E.2—Regulatory Control Program: *Kane County Stormwater Ordinance*

MEASURABLE GOALS	Kane County adopted a county-wide Stormwater Management Ordinance in 2001, which regulates construction site and post-development stormwater runoff. The County enforces this stormwater program in unincorporated areas of the County, as well as non-waiver communities that do not have the in-house resources to administer and enforce the Ordinance. The Kane County Stormwater Management Ordinance addresses all requirements of the Post-Construction Runoff Control Measures.
MILESTONES	Implement the Kane County Countywide Stormwater Ordinance.
RESULTS	Kane County continuously administers the county-wide stormwater ordinance in the unincorporated area of Kane County, as well as the non-waiver communities that do not have the in-house resources to administer and enforce the Ordinance. The Kane County Stormwater Management Ordinance addresses all requirements of the Post-Construction Runoff Control Measures.

F. POLLUTION PREVENTION/GOOD HOUSEKEEPING

1. BMP F.1—Employee Training Program: *Workshops and Continuing Education*

MEASURABLE GOALS	In 2007, Kane County began a program to offer training and continuing education opportunities to its employees and Kane County MS4 partners through full-day and part-day seminars and workshops. This annual training offers Kane County the ability to address issues of concern in a timely and applicable manner. Kane County staff attend workshops or seminars offered by Kane County or other local groups or training organizations.
MILESTONES	Schedule training webcasts on topics relevant to Kane County MS4 partners. Invite attendees via e-mail list of MS4 partners. Facilitate webcast viewing and discussion.
RESULTS	During Year 2, the Kane County Division of Environmental & Water Resources hosted 5 training webcasts provided by the Center for Watershed Protection. Those webcasts, along with numerous other local stormwater-related workshops and educational resources, were promoted to Kane County staff and local MS4 partners through 12 issues of Kane County's <i>MS4 Corner</i> e-newsletter.

2. BMP F.2—Inspection and Maintenance Program: *Storm Drainage System Cleaning and BMP Inspection on County Property*

MEASURABLE GOALS	Best Management Practices constructed on County property have not been inspected for a number of years. Kane County will work towards an inspection and maintenance schedule for BMP's on County property using a combination of County resources and consultant services.
MILESTONES	Develop database of County BMP's on County owned property. Continue annual County program to clean catch basins and storm inlets.
RESULTS	The Kane County Department of Transportation's Operation and Maintenance Program for the storm drainage system involves clearing roadside swales of debris and garbage once a year, and inspecting and cleaning catch basins and storm inlets at KDOT facilities quarterly. The County's BMP Database was not created due to budget/staff limitations in 2015-2016.

3. BMP F.3—Municipal Operations Storm Water Control: *Fleet and Building Maintenance – Kane County Division of Transportation*

MEASURABLE GOALS	<p>The County recycles all types of used oil (engine, transmission, gear and hydraulic), antifreeze, oil filters, tires, batteries, iron/scrap metal, and cardboard.</p> <p>County vehicles are inspected according to the following schedule: Heavy trucks (snow plows, etc.)—every 2000 miles or 180 days</p> <ul style="list-style-type: none"> • Light trucks and Cars—every 5000 miles or 90-180 days • Heavy off-road equipment—every 50 hours or 180 days • Light off-road equipment—every 50 hours or 180 days
MILESTONES	Continue county program to recycle hazardous materials and perform fleet inspections.
RESULTS	The Kane County Department of Transportation continues to adhere to the established fleet and building maintenance guidelines as described above.

4. BMP F.4—Municipal Operations Waste Disposal: *Parking Lot and Street Cleaning*

MEASURABLE GOALS	The County will perform inlet/catch basin cleaning for other County properties such as the Government Center, North Campus, Old Court House, and Judicial Center on an as-needed basis. In order to minimize pollutant export from parking lots and streets, the County will perform street and parking lot sweeping operations on County properties.
MILESTONES	Clean facilities as needed.
RESULTS	Due to a lack of need, no inlet/catch basin cleaning activities occurred during Year 2 on County properties.

5. BMP F.5—Flood Management/Assess Guidelines: *Kane County Hazard Mitigation Program*

MEASURABLE GOALS	In 2003, Kane County adopted a Hazard Mitigation Plan and coordinated the formation of the Kane County Hazard Mitigation Committee, comprised of municipal, township and nonprofit representatives. One of the main focuses of the Mitigation Committee's efforts has been on flood hazard reduction. By focusing on flood hazard reduction and working to buyout repetitively flooded properties or elevate structures, the County is working to improve water quality by removing potential pollutants from the floodplain. Kane County has applied to the Community Rating System through NFIP.
MILESTONES	Continue coordination and participation in Hazard Mitigation and CRS Program.
RESULTS	Kane County continues to host two Hazard Mitigation Committee meetings per year (meetings held 4/8/15 and 11/17/15). The updated <i>Natural Hazards Mitigation Plan</i> for Kane County was approved by FEMA in August 2015 and subsequently adopted by the Kane County Board in November 2015.

6. BMP F.6—Other Municipal Operations Controls: *Road Salt Application and Storage*

MEASURABLE GOALS	Salt is stored indoors throughout the year to minimize concentrated salt washoff into the MS4. Each year, the Kane County Division of Transportation calibrates the salt dispensing rate of each snow plow truck. Each truck is equipped with a reference table that the driver can use to determine the optimal rate of pounds of salt dispensed per lane mile. Additionally, in house deicer training and snow plow training is conducted annually in which salt rates and dispensing procedures are discussed. Due to the recommendations of the Kane County Division of Transportation Safety Committee, an outside trainer will be hired every three years to conduct comprehensive training. Kane County currently dispenses salt at a rate varying between 300-500 lbs. per lane mile.
MILESTONES	Calibrate trucks and attend training – KDOT.
RESULTS	KDOT conducts internal training on deicing and salt application/storage each year.

III. RESULTS OF INFORMATION COLLECTED AND ANALYZED

No monitoring data was collected and analyzed during the reporting period.

IV. SUMMARY OF ANTICIPATED ACTIVITIES DURING NEXT REPORTING CYCLE

BMPs that were not addressed during Year 2 of the permit cycle will be emphasized in the new permit beginning in spring 2016.

V. RELIANCE ON ANOTHER GOVERNMENTAL ENTITY

Kane County is not relying on another governmental entity to satisfy our permit obligations.

VI. CONSTRUCTION PROJECT LIST

The following Kane County road construction projects were active during 2015-2016:

4/27/2016
4/27/2016
Today Is: 4/27/2016

SUMMARY OF OPEN WORK FROM : 5/1/2015 4/30/2016
Kane County Division of Transportation -Construction Section

Year	FED #	Contract Value	Project	Section Number	YR TTL	AWRD	Contractor
1	2015	63874	\$1,486,734.10	French Rd over Burl Creek	08-00386-0-BR		Copenhaver
		63698	\$14,411,649.00	Anderson Road	01-00274-00-BR		Martam
2		local	\$4,631,358.71	Plank Realignment	10-00095-00-FP		Martam
3		63891	\$2,852,032.14	Main St at Nelson Lake	11-00091-00-BR		Geneva
4		local	\$1,572,800.00	Tanner over Lake Run	11-00163-00-BR (Open for trees)		ICC
5		61A36	\$1,670,457.43	Stearns Rd I/C	11-00214-00-TI		Meade
6		63744	\$992,872.41	Kirk at Douglas	08-00377-00-CH		Copenhaver
7		63862	\$1,721,740.88	Randall Rd- Fab Prkwy-Silv Glen	11-00418-01-SP		Thorne
8		DCO	\$283,500.00	Wayside Horns	12-00426-00-FL		Leyden
9		61B45	\$959,158.25	Fabyan at Kaneville	11-00420-00-CH		Geneva
10		61A10	\$69,913.17	Kirk Rd at IL Prairie Path	13-00430-00-SP		Virgil Cook
11		local	\$873,254.53	Pavement Preservation	15-00000-02-GM		AC
12		local	\$680,076.41	Crack Sealing	15-00000-03-GM		SKC
13		local	\$564,590.26	Urethane Marking	15-00000-04-GM		Marking Spect
14		local	\$440,182.27	Water borne marking	15-00000-05-GM		Preform
15		local	\$4,331,631.63	Resurfacing 1	15-00435-00-RS		Geneva
16		local	\$290,598.00	Culvert Improvements	14-00413-04-BR		Martam
17		local	\$556,198.90	CIP	15-00438-00-FP		Dunn
18		local	\$631,081.50	Empire Rd Culvert	14-00413-05-BR		Martam
19		local	\$160,337.50	Stearns Rd Corr- Natural Area N	14-00214-03-SM		Homer
#REF!		61A95	\$1,554,713.81	Walker At Burlington	08-00133-01-BR		Alliance
					\$40,734,880.90		

Year	FED #	Contract Value	Project	Section Number	YR TTL	AWRD	Contractor
2016	63873	\$2,549,788.54	Jericho over Blackberry Creek	04-00329-00-BR			"D" Construction
	local	\$6,290,961.56	LongMeadow Parkway A1	13-00215-00-PV			Plote Construction
	local	\$169,210.00	Orchard Rd Drainage Syst Impr	13-00244-01-DR			Fox Excavating
	local	\$3,572,275.00	2016 Resurfacing Program	16-00470-00-RS			Builders Paving LLC