DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT

INTRADEPARTMENTAL CORRESPONDENCE

IN REPLY REFER TO
FILE NO.

REFERRED TO

____ REFERRED FOR ACTION
____ ANSWER FOR MY SIGNATURE
____ FOR FILE
____ FOR YOUR INFORMATION
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____ RETURN TO ME
____ PLEASE SEE ME
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____ FOR APPROVAL
____ PLEASE ADVISE ME
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BY _____ DATE _____
BY _____ DATE _____
BY _____ DATE _____

MEMORANDUM

TO: MR. RICHARD SAVOIE, P.E.
CHIEF ENGINEER

FROM: MR. JOUBERT HARRIS, M.S.
ENVIRONMENTAL PROGRAM MANAGER

DATE: MARCH 30, 2012

SUBJECT: MS4 ANNUAL REPORT

Enclosed, please find the 2011 MS4 annual report. Upon your review and approval, the report will be delivered to the LDEQ per regulatory requirements. Please note that your signature and date are required on the first page of the document.

Should there be any questions or comments, please advise.

Attachment
JH:ab
cc: Mr. H. "Skip" Paul
Mr. C. Abadie

RECOMMENDED FOR APPROVAL 3/30/12 DATE

RECOMMENDED FOR APPROVAL 30 MAR 12 DATE

RECOMMENDED FOR APPROVAL DATE

APPROVED 3-30-12 DATE

STATE OF LOUISIANA
DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT
P.O. Box 94245
Baton Rouge, Louisiana 70804-9245
www.dotd.la.gov

BOBBY JINDAL
GOVERNOR

SHERRI H. LEBAS, P.E.
SECRETARY

March 30, 2012

Celena Cage, Administrator
Permit Compliance Unit
Water Enforcement Division
Office of Environmental Compliance
Louisiana Department of Environmental Quality
Post Office Box 4312
Baton Rouge, LA 70821-4312

Re: Permit Number: LAR043001
Agency Interest No: 108424

Dear Ms. Cage:

I submit for your review the annual report prepared by the Louisiana Department of Transportation and Development for the 2011 calendar year.

This report has been prepared in accordance with Part V.C of the LPDES General Permit for Discharges from Small Municipal Separate Storm Sewer Systems. The report comprehensively addresses the five annual report requirements and details the activities and performance of the LADOTD in achieving the statutory goal.

I commend this report to you for your evaluation. If you have any questions, please do not hesitate to contact my office.

Sincerely,

Chris Abadie, P.E.
Materials Engineer Administrator

Attachment
CA:JH
cc: Mr. H. "Skip" Paul
EEU files

Permittee: Louisiana Department of Transportation and Development

Permit Number: LAR043001

Agency Interest No: 108424

Reporting Period: January 1, 2011 - December 31, 2011

Annual Report
for the
Louisiana Pollutant Discharge Elimination System (LPDES)
General Permit for Discharges from
Regulated Small Municipal Separate Storm Sewer Systems (MS4s)

Date: March 31, 2012

Certification:

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signature: Richard L Savoie

Printed Name: Richard L. Savoie, P.E.

Title: DOTD Chief Engineer Administrator

Date: 3·30·12

Contact Information

Name: Joubert Harris

Title: Environmental Program Manager II

Phone: 225-248-4141

Email: Joubert.Harris@la.gov

Mailing address: 5080 Florida Boulevard, Baton Rouge, Louisiana 70806

Table of Contents

List of Tables

List of Acronyms

AST	Aboveground Storage Tank
BMP	Best Management Practice
CSI	Certified Storm Water Inspector
EA	Environmental Assessment
EEU	Environmental Evaluation Unit
EPA	Environmental Protection Agency
EQMS	Equipment Management System
GIS	Geographic Information Systems
LADOTD	Louisiana Department of Transportation and Development
LDAF	Louisiana Department of Agriculture and Forestry
LDEQ	Louisiana Department of Environmental Quality
LPB	Louisiana Public Broadcasting
LPDES	Louisiana Pollutant Discharge Elimination System
LSWA	Louisiana Solid Waste Association
LTRC	Louisiana Transportation Research Center
LUSC	Louisiana Urban Stormwater Coalition
MCM	Minimum Control Measure
MEP	Maximum Extent Practicable
MOPS	Maintenance Operation System
MS4	Municipal Separate Storm Sewer System
NHI	National Highway Institute
NOI	Notice of Intent
NPDES	National Pollutant Discharge Elimination System
O&M	Operation and Maintenance

PE	Project Engineer
PSA	Public Service Announcement
ROW	Right-of-Way
SPC	Spill Prevention and Control Plan
SWMP	Storm Water Management Plan
SWPPP	Storm Water Pollution Prevention Plan
UA	Urbanized Area

Executive Summary

It has been estimated that over 56,000 pounds of contaminants enter Louisiana waters from its highway drainage system. As the steward of Louisiana roads and bridges and therefore its drainage system, the Louisiana Department of Transportation and Development (LADOTD) has been proactive in combating the above alarming statistic to prevent the further deterioration of the state's surface waters. This is being accomplished through the implementation of a broad storm water management program to address discharges from the permittee's drainage system, construction sites, and facilities as mandated by the Louisiana Pollutant Discharge Elimination System General Permit for Discharges from Small Municipal Separate Storm Sewer Systems (MS4s), master general permit number LAR040000.

The permit challenges the permittee to develop best management practices (BMPs) or water pollution controls for each of the six minimum control measures listed below.

- Public Education and Outreach on Storm Water Impacts
- Public Involvement/Participation
- Illicit Discharge Detection and Elimination
- Construction Site Storm Water Runoff Control
- Post-Construction Storm Water Management in New Development and Re-development
- Pollution Prevention/Good Housekeeping for Municipal Operations

Typically, the BMPs whether structurally engineered devices or procedural policies, are put into practice in areas designated by the permitting authority, however the LADOTD has chosen to apply its BMPs statewide.

To remain in permit compliance, the report presented here includes five major topics to address each of the five annual report requirements as stated in the permit. The LADOTD's annual report details the pollution prevention activities undertaken by the permittee during the 2011 calendar year to reduce the pollutants entering its MS4 as well as limiting the polluted discharge from its MS4 to area water bodies.

Introduction:

In 1972, polluted point source discharges to the waters of the United States were prohibited unless authorized by the National Pollutant Discharge Elimination System (NPDES) permitting system. Originally, improvements to water quality focused on limiting industrial wastewater discharges and sanitary sewerage overages. However it became evident that poor water quality was caused by more than these two processes alone. It was later recognized that polluted storm water runoff was a major contributor to impaired surface waters.

Polluted storm water runoff is collected, transported, and ultimately discharged to nearby surface waters without treatment. Common contaminants found in runoff include litter, sediment, and oil. In response to increasing runoff concerns, the Environmental Protection Agency (EPA) and state permitting authorities were tasked with implementing a two phased approach to address storm water discharges.

Phase I of the storm water program regulated discharges from medium and large municipal separate storm sewer systems (MS4s), construction activity that disturbs 5 or more acres of land, and ten categories of industrial activity. With the addition of the Phase II Rule, the reach of the storm water program was strengthened by authorizing the discharge of storm water from small MS4s and construction sites that disturb at least 1 acre of land.

Though the storm water program was implemented in two stages, Phase I and II, the program is typically divided into three basic components, municipal, industrial, and construction. Because of the Louisiana Department of Transportation and Development (LADOTD) massive operations, it functions in all three of these areas. As such, the LADOTD holds several storm water permits for its construction projects, facilities, and highway drainage systems.

As required by the Louisiana Department of Environmental Quality (LDEQ), the state's permitting authority; the LADOTD submitted a notice of intent (NOI) in March 2003 requesting coverage for discharges from its MS4s. The LDEQ granted the LADOTD statewide permit coverage under its Louisiana Permit Discharge Elimination System (LPDES) which was modeled after the NPDES in May 2003. The LPDES permitting mechanism charged the permittee to develop a comprehensive storm water management program that was designed to reduce the amount of runoff discharged to surface waters as well as the amount of pollutants within the discharge itself to the maximum extent practicable (MEP) in each of its urbanized areas (UAs) and the regulated areas designated by the LDEQ. This was to be achieved through developing best management practices (BMPs) for each of the six required minimum control measures (MCMs). Through evaluation of measurable goals, the effectiveness of the BMPs in meeting water quality requirements can be determined.

As a small MS4 operator in fifteen areas throughout the state, the LADOTD has chosen to write its storm water management plan (SWMP) in a manner that all BMPs are implemented statewide and not just with in the regulated MS4s. However, for the purpose of this report, the cities listed below will be addressed as required by the permit:

- Alexandria urbanized area
- Baton Rouge urbanized area
- Houma urbanized area
- Lafayette urbanized area
- Lake Charles urbanized area
- Mandeville-Covington urbanized area
- Monroe urbanized area
- New Orleans urbanized area
- Shreveport urbanized area
- Slidell urbanized area
- LDEQ-designated regulated area of Abbeville
- LDEQ-designated regulated area of Bastrop
- LDEQ-designated regulated area of Hammond
- LDEQ-designated regulated area of Morgan City
- LDEQ-designated regulated area of Natchitoches

The activities undertaken during the first four years following the initial authorization under the 2002 general permit include, but are not limited to, developing a construction inspection program, educating the public via TV, print, and internet, and locating outfalls within the regulated areas to create a storm sewer system map. At the permit's expiration, the permittee had not completed all of the activities scheduled during the permit term; however it had fulfilled the primary requirement of having adopted and executed a SWMP.

The LDEQ renewed the LADOTD's MS4 permit on November 30th, 2007. As the permittee entered this second permit term, the LADOTD modified its original implementation schedule to include new goals and to reflect progress made from the previous permit term. Per the 2007 permit, the LADOTD is required to conduct at a minimum, a yearly review of the storm water management program in preparation for the annual report. During the review period, the efficacy of all BMPs is evaluated using the established measurable goals. The results of the review and any changes made to the SWMP are then presented in the annual report.

Per Part V.C. of the 2007 general permit, the annual report must address the following requirements:

1. The status of compliance with permit conditions, an assessment of the appropriateness of your identified best management practices, progress towards achieving the statutory goal of reducing the discharge of pollutants to the maximum extent practicable, and the measurable goals for each of the MCMs;
2. Results of information collected and analyzed, if any, during the reporting period, including any monitoring data used to assess the success of the program at reducing the discharge of pollutants to the MEP;
3. A summary of the storm water activities you plan to undertake during the next reporting cycle (including an implementation schedule);

4. Proposed changes to your Storm Water Management Program, including changes to any BMPs or any identified measureable goals that apply to the program elements; and
5. Notice that you are relying on another government entity to satisfy some of your permit obligations (if applicable).

This annual report has been prepared to comply with the above conditions.

Program Evaluation

The section entitled *Program Evaluation* will fulfill the below annual report requirement from the 2007 general permit.

> *The status of compliance with permit conditions, an assessment of the appropriateness of your identified best management practices, progress towards achieving the statutory goal of reducing the discharge of pollutants to the MEP, and the measurable goals for each of the MCMs.*

Because the above requirement addresses several elements, the permittee has chosen to separate the requirement so that each component may be fully addressed.

Status of Compliance

The LADOTD's storm water management program was reviewed in its entirety and then compared to the mandates set forth in the 2007 general permit. After completing the required self assessment, the LADOTD has determined that additional attention is needed in the following areas to sufficiently achieve permit compliance.

Part IV.C.3. (1)	Detection and Elimination of Illicit Discharges
Part IV.C.3. (2)	Storm Sewer System Map with Outfall Locations and Receiving Waters
Part IV.G	Possible MS4 Discharges to the LDEQ Section 303(d) List of Impaired Waters

BMP Assessment

During the annual evaluation of the SWMP, data is collected and analyzed to yield performance indicators. The performance indicators are a measurement of the effectiveness of the BMP relative to the MCM. It is used to determine if MCM improvements are needed. MCM improvements are achieved through the elimination and addition of BMPs. As a result of the self assessment for the 2011 calendar year, the permittee has determined the BMPs developed satisfactorily address the required MCMs.

Progress towards Achieving the Statutory Goal

Per permit requirements, the LADOTD is mandated to reduce pollutants in storm water runoff to the MEP through the use of various BMPs. BMP efficacy is determined through data collection and evaluation. Additionally, the permittee conducts research on emerging technologies to determine the usefulness of new products and to ascertain if its value will be beneficial for future use. Because of continuous research efforts, the LADOTD remains current in its approach to handling polluted runoff. The permittee will continue to make significant strides in reducing polluted discharge to the MEP.

Measurable Goals for each of the MCMs

Measurable goals are quantifiable measurements that indicate effort, i.e. website traffic, miles swept, etc. This data tracked over time used in conjunction with performance indicators will quantitatively indicate the effectiveness of each BMP. Identification of productive versus non-productive BMPs allows the permittee to make the necessary changes to strengthen its storm water management program. The measurable goals developed for each MCM are detailed in the section entitled *Summary of Minimum Control Measures.*

Summary of Minimum Control Measures

The section entitled *Summary of Minimum Control Measures* will fulfill the below annual report requirement from the 2007 general permit.

> *Results of information collected and analyzed, if any, during the reporting period, including any monitoring data used to assess the success of the program at reducing the discharge of pollutants to the MEP.*

The results presented here represent the cumulative efforts of the permittee in all fifteen permitted areas, however to obtain area specific information refer to Appendix A. A measurable goals output table has been created for each urbanized and regulated area listing the data collected for each BMP for the 2011 calendar year. The activities for each minimum control measure are summarized below.

MCM: Public Education and Outreach on Storm Water Impacts

The permittee has developed six BMPs with a corresponding measurable goal to achieve compliance with the above MCM, public education and outreach on storm water impacts. The results, if any, of each BMP are presented below.

BMP: Flyers and Brochures

BMP Description: Design and publish flyers and/or brochures for the purpose of educating the public on various storm water related topics.

Summary of Results:

The permittee reproduced the brochure developed by the EPA entitled, *After the Storm*. The brochure provides an overview of the various sources of storm water pollution, the effect of contaminants on water bodies, and suggestions to the reader on how to prevent polluted runoff. An example of the brochure used by the LADOTD is provided in Appendix B. During 2011 the brochures were distributed statewide at various LADOTD properties and at the Louisiana Department of Culture, Recreation and Tourism Welcome Centers. The location and number of brochures disseminated in each permitted area is provided below.

Regulated Area	Location	Quantity
Baton Rouge	Louisiana Welcome Center	75
Houma	LADOTD Customer Service Center	50
Lafayette	Atchafalaya Welcome Center	50
Lake Charles	I-10 Eastbound Welcome Center	50

In addition to the brochures, the LDEQ designed poster titled *Make Changes, Be the Solution!* was displayed at 3 LADOTD maintenance facilities within the Baton Rouge urbanized area. The poster communicates to the reader simple tasks that can assist in limiting contaminants in storm water discharges. The use of these locations was two-fold in that it provided an educational opportunity to

local residents and the permittee's employees as well. An example of the poster in use is provided in Appendix C.

BMP: Storm Water Quality Website

BMP Description: Design and maintain a website to educate individuals on the impact of storm water runoff.

Summary of Results:

The permittee has developed a website completely dedicated to the topic of storm water. The topics covered on the website include the following:

- An MS4 Defined
- Examples of BMPs
- Previously submitted Annual Reports
- Examples of Illicit Discharges
- A Mechanism to Report an Illicit Discharge
- Urbanized Area Maps
- External Links to LADOTD Adopt-a-Road program, LADEQ website, and EPA website
- Contact LADOTD/Feedback Mechanism

As of November 14th, 2006, the traffic to the website has been continuously monitored and to date has had 2448 visitors. Of the 2448 total views, 852 occurred in 2011. This represents a significant increase in visits in comparison to previous reporting years. The website can be found at the following address: http://www.dotd.la.gov/highways/construction/lab/ms4/home.asp.

BMP: Public Service Announcements

BMP Description: Develop and broadcast a storm water related public service announcement (PSA).

Summary of Results:

The permittee has produced a 30 second PSA for television focusing on the impact of runoff from Louisiana's highway system. The PSA also provides instructions to the listener on how to prevent storm water related pollution. The verbiage of the PSA is given below:

> *Each year more than 56,000 pounds of trash, litter, and other contaminants from Louisiana's highways end up in our lakes, streams and scenic waterways. You can help prevent water pollution by keeping our roads clean, repair all fluid leaks in your vehicle, bag your trash and place it in designated trash bins, and report illegal dumping. Clean highways today, mean cleaner water tomorrow.*

The permittee has contracted with the Louisiana Public Broadcasting (LPB) station to broadcast the above LADOTD developed PSA. Because the permittee renews its contract with LPB in May of each year, two separate contracts cover the 2011 calendar year. The first having a contract term from May 31, 2010 to May 30, 2011 and the second and current contract term is from May 31, 2011 to May 30, 2012.

The contract stipulates that the PSA will be aired a minimum of 40 times during each contract term. The PSA had 106 broadcasts on the LPB station between 01/01/2011 to 12/31/2011. A copy of both contracts and the broadcast schedule is provided in Appendix D.

Additionally, the contract between the permittee and LPB provides the LADOTD an opportunity to be featured in the LPB *Visions* magazine. The LADOTD published a 250 word article titled, *Beware of Stormwater Runoff*. The article appeared in the January 2011 *Visions* publication, Volume 35, Issue 1, on page 31. A copy of the article has been made available in Appendix E.

The PSA which was originally designed for television broadcast was added to the permittee's YouTube channel in October. Though only available for 2 ½ months during 2011, the video registered 38 views. The LADOTD YouTube channel can be found at the following address: http://www.youtube.com/user/LouisianaDOTD?feature=watch .

BMP: Impacts of Illegal Dumping and Littering

BMP Description: Develop and distribute various public education materials that focus on illegal dumping.

Summary of Results:

The permittee uses a variety of methods to publicize the impact of illegal dumping and littering. Print, TV, as well as electronic media is used by the LADOTD to inform the public of the sources and effects of dumping and littering on area surface waters. The statewide circulation of the *After the Storm* brochure, the display of the *Make Changes, Be the Solution!* poster, the PSA developed for television broadcast which also has been made available for online viewing, and the LADOTD developed website all include verbiage on both subjects. In addition, the permittee has taken the added step to have its catch basin covers cast with the following phrase:

Dump No Waste *Drains to Waterways*

Please refer to Appendix F to view a photograph of a catch basin cover currently in use by the department.

BMP: Public Education on Construction Activities and New Development Activities

BMP Description: Develop and distribute various public education materials that inform the public of the impact of construction on area waters.

Summary of Results:

The impact of construction activity on water quality and the steps an individual can take during construction to limit erosion and sedimentation is included in the *After the Storm* brochure. Refer to Appendix B for an example of the brochure used by the department.

BMP: Education of School Children on the Importance of Water Quality

BMP Description: Develop and stage age appropriate presentations on storm water runoff at LADOTD partner schools.

Summary of Results:

The permittee has not made significant progress in the implementation of this BMP as originally designed. Because of this, the MS4 committee is currently re-working the BMP to explore alternative methods to interact with children. Ideas being considered include the development of a teacher resource center for addition to the permittee's website as well as supplying LADOTD rest areas with storm water related activities, i.e. coloring pages, puzzles, etc., for children. Though still in the formative stages, the permittee intends to develop an action plan with regard to this BMP for future annual report presentation.

MCM: Public Involvement/Participation

The permittee has developed five BMPs with a corresponding measurable goal to achieve compliance with the above MCM, public involvement/participation. The results, if any, of each BMP are presented below.

BMP: MS4 Committee

BMP Description: To form a committee comprised of various LADOTD personnel that consider issues relative to developing and implementing BMPs statewide. The ideas developed by the committee will then be posted for public comment prior to implementation.

Summary of Results:

The MS4 committee held four meetings during 2011 to review various components of the storm water management program; however, no invitations were extended to the public. The meeting attendance records can be found in Appendix G.

BMP: Adopt-a-Road Program

BMP Description: Inform the public of volunteer opportunities available through the LADOTD sponsored Adopt-a-Road Program.

Summary of Results:

Various organizations contract with the LADOTD to voluntarily collect litter and other debris from state and federal right-of-ways (ROWs). The permittee has established a website dedicated to the recruitment of volunteer organizations by providing general information as well as regional area contacts for the Adopt-a-Road Program. A link to the Adopt-a-Road website has also been added to the department's storm water website. The Adopt-a-Road website can be found at the following address: http://www.dotd.la.gov/programs_grants/adopt/home.aspx .

The number of active groups that adopted highway segments within the permittee's urbanized areas or LDEQ-designated areas total 124 in 2011. This accounts for a total of 146.11 miles of adopted highway and 619 cubic yards of litter collected. Refer to the Measurable Goals Output table in Appendix A for area specifics.

BMP: Storm Water Management Program Documents Review

BMP Description: Documents associated with the LADOTD's storm water management program will be made available on the department's storm water website for public review and comment.

Summary of Results:

The reports prepared annually for submission to the LDEQ are available for review and comment on the permittee's website. Every annual report can be found at the following address:

http://www.dotd.la.gov/highways/construction/lab/ms4/sitemap.asp. In 2011, no public comments were received.

BMP: Public Information Requests

BMP Description: Respond and provide the necessary documents when appropriate for information requests from the public.

Summary of Results:

A pdf copy of the *Public Records Request* form is available on the LADOTD website. The form along with instructions for its completion is available at the following address: http://www.dotd.la.gov/downloads/publicrecords.pdf. The permittee received no public records requests in 2011. Refer to Appendix H, to view a *Public Records Request* form.

BMP: Reporting System for Public

BMP Description: Establish a system to foster communication between the LADOTD and the public.

Summary of Results:

The permittee has provided the public with a feedback mechanism via the LADOTD storm water website. Using the *Contact Us/Report an Illicit Discharge* page, an individual can ask questions, report suspected illicit discharges, inform the permittee of illegal dump sites, or provide comments on the storm water program to the permittee. Any questions or comments received are answered and if necessary investigated by the LADOTD-Environmental Evaluation Unit (EEU) personnel and then referred to the proper authority for action. The *Contact Us* page can be found at the following web address: http://www.dotd.la.gov/highways/construction/lab/ms4/home.asp?page=contact$. No comments were received by the permittee during the 2011 calendar year.

MCM: Illicit Discharge Detection and Elimination

The permittee has developed three BMPs with a corresponding measurable goal to achieve compliance with the above MCM, illicit discharge detection and elimination. The results, if any, of each BMP are presented below.

BMP: Maintain the MS4 and Outfall Inventory

BMP Description: Update the MS4 outfall map as needed.

Summary of Results:

The permittee has recovered the outfall data points gathered during the previous reporting years. We are currently working with the LADOTD Geographic Information Systems (GIS) section and have completed a storm sewer map using GIS technology for at least 50% of LDEQ designated areas showing outfall locations and receiving waters. During 2012, the EEU will continue to develop maps for the remaining LDEQ designated areas.

BMP: MS4 Outfall Screening

BMP Description: Conduct a visual inspection of MS4 outfalls annually to identify the presence of dry weather discharges.

Summary of Results:

Because the permittee has responsibilities in fifteen areas in the state, the implementation schedule developed by the LADOTD mandates that 20% of all MS4 outfalls be inspected annually. This would assure that every outfall was screened minimally once during each permit term. Screenings are done to identify outfalls with illicit discharges and investigate the source of those discharges. The prescribed 20% screening was not obtained. However, our immediate plans include ground-truthing and further use of GIS technology to include assessment of each outfall. This will better enable us to detect illicit discharge throughout the state and, thus, allow us to complete the assessment within the permit term. Finally, no illicit discharge was reported through the LADOTD public website, LADOTD personnel, or the LDEQ.

BMP: Illicit Discharge Employee Training

BMP Description: Educate personnel using the developed training aids for illicit discharge identification.

Summary of Results:

No training opportunities were provided to departmental personnel during 2011.

MCM: Construction Site Storm Water Runoff Control

The permittee has developed five BMPs with a corresponding measurable goal to achieve compliance with the above MCM, construction site storm water runoff control. The results, if any, of each BMP are presented below.

BMP: Construction Inspection Procedures

BMP Description: Develop written construction inspection procedures and forms.

Summary of Results:

Two inspection forms are in use by the permittee. The first is a one page document, entitled *Inspection and Maintenance Report Form*. This form is used by the contractor during construction to satisfy the mandatory inspection schedule as required in the general large and small storm water construction permits, LAR100000 and LAR200000 respectively. Used primarily to document structural BMP deficiencies, the form identifies the station number of areas of concern.

The second form, *LADOTD Storm Water Construction Site Inspection Report*, is a three page document used by the certified storm water inspectors (CSIs) of the LADOTD-EEU. This form mirrors the forms used by regulatory agencies by documenting not only structural BMP deficiencies but also procedural insufficiencies, corrective action log errors, storm water pollution prevention plan (SWPPP) deficiencies, etc. Examples of both forms are provided in Appendix I.

A written field guide is currently in development. The purpose of the manual will be to provide written procedures for conducting a storm water inspection at linear construction sites. It will also provide the reader with guidance on BMP selection, installation, and maintenance and how to conduct a file review of storm water related documents. Once completed, the manual will be reviewed by the MS4 committee for approval and then distributed internally.

BMP: Construction Storm Water Pollution Prevention Plan (SWPPP) Review

BMP Description: Develop procedures to require contractors to submit a site specific storm water pollution prevention plan for permittee review and approval.

Summary of Results:

Contractors are required to develop a SWPPP with the initial review and approval being done by the project engineer (PE) assigned to the construction site. Additionally, SWPPPs are reviewed for permit compliance during the inspections conducted by the CSIs. During a SWPPP review, deficiencies are noted and recommendations provided to strengthen the document and therefore improve the permittee's ability to reduce sediment laden runoff from its construction sites. In 2011, a total of 40 SWPPPs were reviewed statewide.

BMP: Construction Site Inspection

BMP Description: Inspect LADOTD construction sites that disturb at a minimum of one acre of soil or can potentially discharge construction runoff to an MS4.

Summary of Results:

In 2011, the permittee identified 40 construction projects within the boundaries of the fifteen permitted areas that disturbed at a minimum of 1 acre of soil. A records review determined that each project was inspected pursuant to the requirements set forth in the LDEQ storm water construction permits. Inspection forms along with other pertinent construction documents are housed at the office of the assigned project engineer.

BMP: Construction Community Education

BMP Description: Provide educational opportunities for departmental construction personnel.

Summary of Results:

As part of the permittee's continuing education program, in-house educational opportunities are held at the LADOTD-Louisiana Transportation Research Center (LTRC) on a variety of subjects for departmental personnel. The LADOTD-LTRC hosted a total of 6 courses relative to storm water during 2011. 3 courses were conducted by the National Highway Institute (NHI) and the additional 3 courses were led by private vendors. The dates and courses taught are listed below.

- Design and Implementation of Erosion and Sediment Control
  NHI Course Number: 142054
  January 25-26, 2011
- Urban Drainage Design
  NHI Course Number: 135024
  April 5-7, 2011
- Construction Equipment
  April 28, 2011
- Culvert Design
  NHI Course Number: 135056
  May 10-12, 2011
- Transport, Toxicity & Treatability of Transportation Land Use Rainfall-Runoff
  John Sansalone, PE, Ph.D.
  November 4, 2011
- Building Your Storm Water Management Plan
  Louisiana Urban Storm Water Coalition (LUSC)
  December 12-13, 2011

If available, the course description of the above classes is in Appendix J.

In addition to instructor led courses, departmental construction personnel attended the *Louisiana Transportation Conference* which was held in Baton Rouge, LA on January 9-12, 2011. This biennial event attempts to provide a platform for exchanges between the private and public sectors with regard to the transportation industry. It also provides professional development opportunities for LADOTD engineering personnel. The topics of discussion range from policy to common challenges to current and future practices. Of the 68 presentations held during the 3 day conference, 4 were storm water related. The conference agenda and the abbreviated abstracts for each of the storm water related presentations are provided in Appendix K. The sessions of interest are listed below:

- New Storm Water Rule and Its Impact on LADOTD's Highway Construction Program
- Pervious Concrete Applications and Storm Water Management
- Erosion and Sediment Control on Highway Construction Sites
- Sustainable Drainage

Lastly, permittee representatives attended the Louisiana Solid Waste Association (LSWA) 31st Annual Environmental Conference held in Lafayette, LA on March 23rd-25th2011. Conference attendees included persons from federal, state, local, and private sectors. The Water/Waste Water Track included informational topics on SPC/SPCC rule changes, construction BMPs, and developing measurable goals. The agenda for the conference can be found in Appendix L.

BMP: Construction Related Public Reporting

BMP Description: Provide the public with a mechanism to report concerns regarding the LADOTD construction sites.

Summary of Results:

As reported previously, the permittee has a feedback mechanism on its storm water website for public use. No comments were received by the permittee during the 2011 calendar year.

In maintaining compliance with LDEQ storm water construction permits, LAR100000 and LAR200000, a notice is posted near the entrance of each of the LADOTD's construction sites. The notice provides interested parties with the information needed to comment on the construction project. Per permit regulations, the notices contain the permit number, a brief project description, and a point of contact for the project.

MCM: Post-Construction Storm Water Management in New Development and Re-development

The permittee has developed five BMPs with a corresponding measurable goal to achieve compliance with the above MCM, post-construction storm water management in new development and re-development. The results, if any, of each BMP are presented below.

BMP: New Development and Re-development Plans Review

BMP Description: Review construction plans to assess post-construction runoff.

Summary of Results:

All construction projects are subject to a formal review by several departments at various stages of the plan development process. Phase reviews are held at the 30%, 60%, 90% and plan in hand (95%) completion stages for preliminary plans. Final plans are reviewed at the 60% and 95% completion stages.

Among its many responsibilities, the LADOTD-Hydraulics section has been charged with the task of drainage design and erosion/sediment control plan development and review. In response, the permittee's Hydraulics section has developed manuals to address these functions. The *Hydraulics Manual* provides information on design criteria and procedures in various area types. Specifically, urban drainage design considerations are addressed in Chapter II *Urban Drainage Design* of the *Hydraulics Manual.* A copy of the manual is available on the permittee's website at the following address: http://www.dotd.louisiana.gov/highways/project_devel/design/road_design/Hydraulics%20Manual/01%20La%20DOTD%20Hydraulics%20Manual%20(full%20text).pdf.

Additionally, the LADOTD-Hydraulics section has developed a supplement to the *Hydraulics Manual* entitled *Plan Checking and Design Procedures for Erosion and Sediment Control.* This document provides guidance with regards to both preliminary and final design plan checks. A copy of the narrative portion of the *Hydraulics Manual* supplement, *Plan Checking and Design Procedures for Erosion and Sediment Control* has been provided in Appendix M. A complete copy of the manual can be found on the permittee's website at http://www.dotd.louisiana.gov/highways/project_devel/design/road_design/Erosion%20Control%20Guidelines/00%20La%20DOTD%20Erosion%20Control%20Guidelines%20(Full%20Text).pdf.

To ensure proper installation of erosion control devices, the Hydraulics section has developed standard plan, EC-01, Temporary Erosion Control Details. EC-01 provide installation information on the erosion control devices approved for use on LADOTD construction projects and is attached to all construction plans. EC-01 and an example of the erosion and sediment control symbology used on the permittee's construction plans is provided in Appendix N. The standard plan, EC-01 is also available at http://www.dotd.la.gov/highways/standardplans/DirListing.aspx?txtPath=/highways/standardplans/Standard Plans/Erosion Control and Bedding Material.

Construction plans are developed to indicate where specified erosion controls will be placed, how they are to be installed, and during which phase of construction. Because the permittee's construction plans

are designed with the intent of future modification during subsequent reviews, plans may be altered several times to minimize environmental impacts from erosion and sedimentation. During the plan in hand review, the LADOTD-Hydraulics section compares the plans with field conditions to assess existing or potential erosion problems and verify the future location of temporary and permanent erosion/sediment controls. A copy of the *Plan in Hand Memorandum Review* form can be found in Appendix O, as well on the permittee's website at the address provided below: http://www.dotd.la.gov/highways/project_devel/design/road_design/Standard%20Forms/Plan%20In-Hand%20Review.pdf.

BMP: Development of Project Inspection Procedures

BMP Description: Develop inspection procedures and forms to determine compliance with post construction guidelines.

Summary of Results:

Though inspections are conducted to assess operational performance, formal documentation of procedures for the inspection of post construction runoff has not been developed.

BMP: New Development and Re-development Project Inspection

BMP Description: Implement inspection program of projects using procedures developed to ensure conformance with post construction guidelines.

Summary of Results:

As stated previously, formal documentation of inspection procedures and forms have not been developed. However the *Project Delivery Manual* addresses operational performance post construction. The manual details the six stages of a project and assigns responsibility for each stage. The final stage, Systems Operation and Performance, is put into action once the project has been completed. Project system performance is measured through data collection and evaluation to determine if design procedures need to be modified to improve maintenance and operation of future projects. Of the many tasks completed during this stage, one is to ensure post construction environmental commitments are in compliance. Examples of post construction environmental commitments include post construction erosion controls and water quality monitoring. The responsibility matrix and section entitled, *Compliance with Post Construction Environmental Commitments* from *Chapter 10: Stage 6 Standard Operating Procedure* of the *Project Delivery Manual* are provided in Appendix P for review. A copy of the *Project Delivery Manual* in its entirety is available on the permittee's website at the following address: http://www.dotd.la.gov/doclist.asp?ID=6.

BMP: Protection of Sensitive and/or Impaired Water Bodies

BMP Description: Implement appropriate post construction pollution control strategies for MS4 areas that discharge to LDEQ Section 303(d) List of Impaired Waters.

Summary of Results:

Because the storm sewer map with outfall locations has not been fully developed in all areas, determining the impact of post construction runoff on impaired waters has been limited. The permittee, however, strives to limit polluted runoff from all of its developments through routine maintenance.

Prior to plan development, an environmental assessment (EA) is done for the proposed area of development. The EA provides the permittee with information regarding the topography, area structures, etc. If clearance is granted, the results of the EA are considered during plan development. As such all required environmental permits are obtained and strict adherence to permit regulations is followed. *Section 3.6* of *Chapter 3 Design Controls* of the *Road Design Manual* and *Chapter 7* of the *Bridge Design Manual*, both detail the environmental considerations to take in account while developing the construction plan with regard to post construction operation. Both manuals are available at the permittee's website at the following addresses:

Road Design Manual
http://www.dotd.louisiana.gov/highways/project_devel/design/road_design/documents.aspx

Chapter 7 of Bridge Design Manual
http://www.dotd.louisiana.gov/highways/project_devel/design/bridge_design/Bridge%20Design%20English%20Manual/10%20Chapter%207%20-%20Environmental%20Considerations%20and%20Permits.pdf

BMP: Participation in Local Watershed Planning and Modeling

BMP Description: Participate in watershed meetings to stay abreast of current surface water quality issues and regulatory policy changes.

Summary of Results:

As stated previously, LADOTD personnel attended the Louisiana Solid Waste Association (LSWA) 31st Annual Environmental Conference in 2011. Two conference sessions presented information on watersheds. The first explaining how GIS technology can be used to define a watershed and the second taught attendees the watershed approach to improving water quality. The agenda can be found in Appendix L.

MCM: Pollution Prevention/Good Housekeeping for Municipal Operations

The Louisiana Department of Transportation and Development has created an *Activity Guide* for the Maintenance Division. The purpose of the manual is to provide personnel with a standardized set of procedures for common practices used in the maintenance and preservation of highway surfaces, roadsides, structures, and traffic control devices. Each maintenance activity is assigned a five digit activity code. This code is then used to track the type of maintenance activity performed at specific locations to yield numerical accomplishments. The permittee uses the accomplishments from this system as the measurable goals for a number of the BMPs addressed in this section.

The permittee has developed fourteen BMPs with a corresponding measurable goal to achieve compliance with the above MCM, pollution prevention/good housekeeping for municipal operations. The results, if any, of each BMP are presented below.

BMP: Street Sweeping

BMP Description: Removal of sediment and other debris from roadways to reduce contaminant levels in street runoff to MS4s.

Summary of Results:

The mechanical cleaning of highway surfaces is listed in the LADOTD's *Activity Guide* as Sweeper Cleaning, 540-03. In 2011, 7,345.876 miles were swept within the regulated areas. For area specifics, refer to Appendix A.

BMP: Litter Collection

BMP Description: Removal of litter and debris from MS4 right-of ways to reduce floatables in runoff discharge, improve aesthetics, and create safe mowing conditions for departmental personnel.

Summary of Results:

The accomplishments from the following four maintenance activities are used to obtain the measurable goals for the litter collection BMP:

- Litter Cleaning of Roadside, 440-02
- Servicing of Litter Barrels, 440-03
- Pick Up of Litter (Adopt-A-Road), 440-04
- Pick Up of Inmate Litter, 440-05
- Pick Up of Sheriff's Litter, 440-06

A total of 11,966.83 cubic yards of litter were collected from the permitted areas and 2 litter barrels were serviced. For area specifics, refer to Appendix A.

BMP: Pesticide Application

BMP Description: Ensure the application of pesticides is done in accordance to manufacturer specifications by licensed applicators.

Summary of Results:

The spraying of undesirable vegetation that can cause damage to structures or obstruct drainage is performed by the 58 licensed herbicide applicators the permittee has on staff. Each herbicide applicator is licensed through the Louisiana Department of Agriculture and Forestry (LDAF). In addition to the LDAF requirements, the permittee necessitates that each licensed applicator obtain continuing education hours through the department annually. Refer to Appendix Q to view an agenda of a herbicide training provided by the department to licensed personnel from the permitted areas of Hammond, Mandeville-Covington, Slidell, and Baton Rouge on March 30, 2011.

The accomplishments from the following four maintenance activities are used to obtain the measurable goals for the pesticide application BMP:

- Fertilizer Application, 440-10
- Lime Application, 440-11
- Herbicide Application-Hand Method, 440-12
- Herbicide Application-Machine Method, 440-13

Herbicide application staff manually applied 24,568 gallons of herbicides and mechanically sprayed 22,138.9 acres in the permittee's urbanized and regulated areas. For area specifics, refer to Appendix A.

BMP: Assess Pavement Preservation Activities

BMP Description: To assess and modify, if necessary, current pavement preservation activities to limit impacts to area surface waters.

Summary of Results:

Implementation of this BMP has been limited. A thorough evaluation of the BMP is being done by the MS4 committee to determine new strategies for its implementation.

BMP: Roadside Drainage Maintenance

BMP Description: Non-functioning drainage structures are cleaned, repaired or replaced to improve drainage thereby reducing sediment and floatable discharges and providing safe travel on roadways.

Summary of Results:

The accomplishments from the following six maintenance activities are used to obtain the measurable goals for the roadside drainage maintenance BMP:

- Clean & Maintain Drainage Structures, 450-01

- Drainage Structure Repair, 450-02
- Install Drainage Culverts, 450-03
- Clean & Reshape Ditches-Hand Method, 450-04
- Clean & Reshape Ditches-Machine Method, 450-05
- Install/Replace Inlets & Catch Basins

In 2011, maintenance of drainage structures occurred at 5640.3 locations, 281.53 drainage structures were repaired, and 414.96 new drainage culverts were installed. 104,208.07 linear feet of ditches were cleaned and reshaped to improve drainage. For area specifics, refer to Appendix A.

BMP: Fleet Maintenance

BMP Description: All equipment and vehicles will adhere to the maintenance schedule provided by the manufacturer to reduce fluid leaks.

Summary of Results:

The permittee assigns all equipment a number according to its class code for tracking purposes. To ensure that the required routine maintenance on all vehicles and equipment is done as prescribed by the manufacturer, the LADOTD-Maintenance Systems Management Section uses two databases to track equipment use. The Maintenance Operations System (MOPS) and Equipment Management System (EQMS) are used not only to track usage rates, fuel transactions, and repairs made but notify the permittee when scheduled maintenance is required. MOPS and EQMS databases are for internal use only and are not made available on the permittee's website; however screen shots of the databases have been made available in Appendix R.

BMP: Spill Prevention Plans

BMP Description: To comply with federal and state regulations, the permittee will develop spill prevention and control (SPC) plans at its facilities with aboveground storage tanks (ASTs).

Summary of Results:

In 2010, the permittee drafted a questionnaire to survey its facilities statewide. The purpose being to identify facilities with ASTs, the contents of the AST, and the volume typically kept on hand. Using the information gathered from the questionnaire, the LADOTD recognized 33 facilities that would necessitate the development of a SPC plan. During 2011, 18 SPC plans were developed for facilities statewide.

BMP: Employee Training

BMP Description: Develop and conduct employee training programs to educate maintenance personnel on a variety of storm water related topics. Training topics will include operation and maintenance (O&M) procedures for highways, structures, and right-of-ways (ROWs), O&M procedures for equipment,

recognizing illicit discharges, materials handling and storage, vegetation management, and pollution prevention BMPs.

Summary of Results:

Most trainings for maintenance personnel is provided in-house through the permittee's LTRC section or the employee's host district training office. Training topics and the number of trainings annually held vary greatly due to the permittee's diverse operations and large workforce. For illustration purposes, listed below are a few of the numerous trainings held in 2011 in the permittee's regulated areas.

Date	Course Number	Course Title	Regulated Area
January 3, 2011	M5011C	Preventative Maintenance of DOTD Vehicles	Baton Rouge
February 8, 2011	M3009A	Cleaning and Clearing of Bridges	Baton Rouge
March 16, 2011		Roadside Vegetation Management	Monroe
March 22, 2011	M2005A	Mechanical Cleaning of Unlined Ditches	Baton Rouge
April 18, 2011	M5072B	Chain Saw Safety and Operations	Baton Rouge
May 2011		What is a Watershed?	Houma
June 2011		Nonpoint Source Pollution	New Orleans
August 2011		What is Storm Water Runoff?	Hammond
September 2011		Why We Need Storm Water Training	Slidell
November 2011		What Pollutants are associated with Activities at My Facility?	Mandeville-Covington

Training records are maintained by the training coordinator assigned to the host district.

BMP: Illegal Dumping

BMP Description: Investigate illegal dumping activities at LADOTD properties to determine the source of materials, report results of investigation to proper authorities and to coordinate remediation efforts.

Summary of Results:

The accomplishment from the maintenance activity, Spill Clean Up, 425-01, is used to obtain the measurable goal for the illegal dumping BMP. In 2011, 443.638 locations were identified within the permitted UAs and LDEQ designated areas as containing illegally dumped materials. The responsible parties were not known nor could be determined; however the discarded materials were removed and properly disposed of by the permittee. For area specifics, refer to Appendix A.

BMP: De-icing/Anti-icing Materials Management

BMP Description: Ensure proper storage and if necessary installation of secondary containment for de-icing/anti-icing agents. Materials used for ice and snow control will be applied at the prescribed rates to prevent excess from entering neighboring waters.

Summary of Results:

The accomplishments from the following maintenance activities are used to obtain the measurable goals for the de-icing/anti-icing materials management BMP.

- Snow & Ice Control, 540-07
- Snow & Ice Control Preparations, 540-08
- Snow & Ice Inspection/Reconnaissance, 540-09

A total of 3488.99 hours were dedicated to the monitoring of road conditions, staging of materials and equipment, and the application of agents to improve travel conditions. 1,299,900 pounds of salt, 32,343 pounds of calcium magnesium acetate, and 1000 gallons of ethylene glycol were used by the permittee to improve driving conditions during 2011. For area specifics, refer to Appendix A.

To comply with WE-AO-10-01940, an administrative order issued by the LDEQ to the Louisiana Department of Transportation on December 8, 2010 and permit number LA0125563, the permittee presents the amount of de-icing/anti-icing agents used throughout the state in Appendix S. During 2011, the permittee applied 221.7 cubic yards of lightweight aggregate, 32,343 pounds of calcium magnesium acetate, 4,000 gallons of ethylene glycol and 2,832,890 pounds of salt statewide. The table also details the amount of de-icing/anti-icing agents applied in specific areas. It should also be noted that the table has an unknown location section. This refers to de-icing/anti-icing agents that were applied within the state; however the specific location information was not captured during the conversion to the new data collection system currently in use. Refer to Appendix S for more information regarding statewide application rates.

BMP: Bulk Materials Management

BMP Description: Stockpiles are to be stored in designated areas and inventoried regularly to determine loss of materials due to erosion.

Summary of Results:

The proper management of stockpiles can minimize environmental impacts and reduce replacement costs. This is accomplished through the use of designated areas for each type of material. Erosion controls are implemented near stockpiles that are prone to precipitation and wind erosion.

The accomplishment from the maintenance activity, Material Handling & Stockpiling, 630-03, is used to obtain the measurable goal for the bulk materials management BMP. Maintenance personnel dedicated 3533.28 hours to the loading, hauling, unloading, and inventory of bulk materials during the 2011 calendar year. For area specifics, refer to Appendix A.

BMP: Bridge and Structure Maintenance

BMP Description: The removal of debris from bridge structures to improve drainage and appearance.

Summary of Results:

The accomplishments from the following maintenance activities are used to obtain the measurable goals for the bridge and structure maintenance BMP.

- Clean Structural Members, 465-00
- Clean Deck & Drain, 465-01
- Remove Drift, 465-17

76,962.21 linear feet of drainage structures were cleaned by removing waste from deck drains and lines. The removal of debris from girders, caps, etc so as to prevent corrosion was completed at 2 locations and trash was removed from 10 locations near bridge drainage structures and culverts in 2011. Refer to Appendix A to obtain area specifics.

BMP: Debris Management

BMP Description: To clear the highway or roadside of potential hazards and ensure the proper disposal of collected waste.

Summary of Results:

The accomplishments from the following maintenance activities are used to obtain the measurable goals for the debris management BMP.

- Debris Removal and Disposal, 440-08
- Roadway Clearing, 440-19
- Cleaning Roadways, 540-04
- Disposal of Roadway Debris by Road Runner, 630-09
- Pick Up of Roadway Debris by Road Runner, 630-10

1697.38 cubic yards of accident or storm related waste was collected from 592.74 miles of Louisiana roadway and roadside. Routine debris was removed from 26,925.65 miles of highway and shoulder in 2011. 1903.685 hours were used to collect and properly dispose of the debris.

BMP: Erosion and Sediment Control

BMP Description: To repair and control erosion in the permittee's ROW.

Summary of Results:

The accomplishment from the maintenance activity, Erosion Control & Repair, 440-00, is used to obtain the measurable goal for the erosion and sediment control BMP. Erosion and sediment control practices were implemented at 582.87 locations within the permitted areas. These practices include the backfilling of minor washouts or cuts and the repair of slopes. Refer to Appendix A for area specifics.

Looking Ahead: Storm Water Activities for 2012

This section will fulfill the below annual report requirement from the 2007 general permit.

> *A summary of the storm water activities you plan to undertake during the next reporting cycle (including an implementation schedule).*

The LADOTD is excited about the use of GIS technology to help address conventional storm water monitoring requirements. With this technology, we foresee our ability to identify and confirm outfall locations and assessment of these outfalls to be expedited during 2012 and beyond. Additionally, The LADOTD hopes to share its application of GIS technology with other regulated entities (state, parish, and local) and the LDEQ as a synergistic approach to storm water compliance. We will work with interested stakeholders to develop workshops to meet this approach.

Storm Water Management Program Changes

The *Storm Water Management Program Changes* section will fulfill the below annual report requirement from the 2007 general permit.

> *Proposed changes to your Storm Water Management Program, including changes to any BMPs or any identified measureable goals that apply to the program elements.*

As the LADOTD continue its efforts to complete a storm sewer system map, the implementation schedule will be modified in the upcoming year with regard to the BMP, "Maintain the MS4 and Outfall Inventory." In 2012, the permittee will be undertaking the task of mapping the outfalls for the remaining LDEQ designated areas. In addition, the MS4 committee is exploring the option of using social networks as public education tools. The revised implementation schedule will be presented in next year's annual report.

Sharing Responsibility

The section entitled *Sharing Responsibility* will fulfill the below annual report requirement from the 2007 general permit.

> *Notice that you are relying on another government entity to satisfy some of your permit obligations (if applicable).*

The LADOTD does not rely on any other government entity and wholly accepts the responsibility to satisfy its permit obligations entirely.

Appendix A

Measurable Goals Output Tables I-XV

Table I				
Measurable Goals Output Table				
LDEQ-Designated Regulated Area-**Abbeville**				
BMP	**Activity Code**	**Maintenance Activity /Measurable Goal**	**Unit of Measurement**	**Quantity**
Flyers and Brochures	N/A	Number of Flyers/Brochures Distributed	Each	0
	N/A	Number of Posters Displayed	Each	0
Construction SWPPP Review	N/A	Number of SWPPPs Reviewed	Each	0
Construction Site Inspection	N/A	Number of Inspected Construction Sites	Each	0
Illegal Dumping	425-01	Spill Clean Up	Each	3
Litter Collection	440-02	Litter Cleaning of Roadside	Cubic Yard	0
	440-03	Servicing of Litter Barrels	Each	0
	440-05	Pick Up of Inmate Litter	Cubic Yard	0
	440-06	Pick Up of Sheriff's Litter	Cubic Yard	0
Adopt-A-Road	440-04	Pick Up of Litter (Adopt-A-Road)	Cubic Yard	0
	N/A	Number of Active Groups	Each	0
	N/A	Number of Miles Adopted	Mile	0
Debris Management	440-08	Debris Removal and Disposal	Cubic Yard	0
	440-19	Roadway Clearing	Mile	2.2
	540-04	Cleaning Roadways	Mile	0
	630-09	Disposal of Roadway Debris by Road Runner	Hours	0
	630-10	Pick Up of Roadway Debris by Road Runner	Hours	0
Pesticide Application	440-10	Fertilizer Application	Ton	0
	440-11	Lime Application	Ton	0
	440-12	Herbicide Application-Hand Method	Gallon	0
	440-13	Herbicide Application-Machine Method	Acre	120
	N/A	Number of Licensed Applicators	Each	1
	N/A	Number of Training Hours for each Applicator	Each	12

BMP	Activity Code	Maintenance Activity /Measurable Goal	Unit of Measurement	Quantity
Erosion & Sediment Control	440-00	Erosion Control & Repair	Each	2
Roadside Drainage Maintenance	450-01	Clean & Maintain Drainage Structures	Each	120
	450-02	Drainage Structure Repair	Each	0
	450-03	Install Drainage Culverts	Each	1
	450-04	Clean & Reshape Ditches-Hand Method	Linear Foot	0
	450-05	Clean & Reshape Ditches-Machine Method	Linear Foot	12000
	450-06	Install/Replace Inlets & Catch Basins	Each	0
Bridge & Structure Maintenance	465-00	Clean Structural Members	Each	0
	465-01	Clean Deck & Drain	Linear Foot	0
	465-17	Remove Drift	Each	0
Street Sweeping	540-03	Sweeper Cleaning	Mile	0
De-icing/Anti-icing Materials Management	540-07	Snow & Ice Control	Hours	0
	540-08	Snow & Ice Control Preparations	Hours	0
	540-09	Snow & Ice Inspection/Reconnaissance	Hours	0
	N/A	Lightweight Aggregate	Cubic Yards	
	N/A	Salt	Pounds	200
	N/A	Ethylene Glycol	Gallons	
	N/A	Calcium Magnesium Acetate	Pounds	
Bulk Materials Management	630-03	Material Handling & Stockpiling	Hours	0

Table II				
Measurable Goals Output Table				
Urbanized Area-**Alexandria**				
BMP	Activity Code	Maintenance Activity /Measurable Goal	Unit of Measurement	Quantity
Flyers and Brochures	N/A	Number of Flyers/Brochures Distributed	Each	0
	N/A	Number of Posters Displayed	Each	0
Construction SWPPP Review	N/A	Number of SWPPPs Reviewed	Each	2
Construction Site Inspection	N/A	Number of Inspected Construction Sites	Each	2
Illegal Dumping	425-01	Spill Clean Up	Each	10
Litter Collection	440-02	Litter Cleaning of Roadside	Cubic Yard	13
	440-03	Servicing of Litter Barrels	Each	0
	440-05	Pick Up of Inmate Litter	Cubic Yard	79
	440-06	Pick Up of Sheriff's Litter	Cubic Yard	0
Adopt-A-Road	440-04	Pick Up of Litter (Adopt-A-Road)	Cubic Yard	318
	N/A	Number of Active Groups	Each	4
	N/A	Number of Miles Adopted	Mile	6.2
Debris Management	440-08	Debris Removal and Disposal	Cubic Yard	242.7
	440-19	Roadway Clearing	Mile	48.5
	540-04	Cleaning Roadways	Mile	0
	630-09	Disposal of Roadway Debris by Road Runner	Hours	0
	630-10	Pick Up of Roadway Debris by Road Runner	Hours	0
Pesticide Application	440-10	Fertilizer Application	Ton	0
	440-11	Lime Application	Ton	0
	440-12	Herbicide Application-Hand Method	Gallon	3693.25
	440-13	Herbicide Application-Machine Method	Acre	682
	N/A	Number of Licensed Applicators	Each	2
	N/A	Number of Training Hours for each Applicator	Each	4

BMP	Activity Code	Maintenance Activity /Measurable Goal	Unit of Measurement	Quantity
Erosion & Sediment Control	440-00	Erosion Control & Repair	Each	91
Roadside Drainage Maintenance	450-01	Clean & Maintain Drainage Structures	Each	450
	450-02	Drainage Structure Repair	Each	5
	450-03	Install Drainage Culverts	Each	0
	450-04	Clean & Reshape Ditches-Hand Method	Linear Foot	330
	450-05	Clean & Reshape Ditches-Machine Method	Linear Foot	13.7
	450-06	Install/Replace Inlets & Catch Basins	Each	1
Bridge & Structure Maintenance	465-00	Clean Structural Members	Each	2
	465-01	Clean Deck & Drain	Linear Foot	0
	465-17	Remove Drift	Each	0
Street Sweeping	540-03	Sweeper Cleaning	Mile	129.82
De-icing/Anti-icing Materials Management	540-07	Snow & Ice Control	Hours	163.5
	540-08	Snow & Ice Control Preparations	Hours	5.99
	540-09	Snow & Ice Inspection/Reconnaissance	Hours	20
	N/A	Lightweight Aggregate	Cubic Yards	
	N/A	Salt	Pounds	37000
	N/A	Ethylene Glycol	Gallons	
	N/A	Calcium Magnesium Acetate	Pounds	
Bulk Materials Management	630-03	Material Handling & Stockpiling	Hours	14

Table III				
Measurable Goals Output Table				
LDEQ-Designated Regulated Area-**Bastrop**				
BMP	**Activity Code**	**Maintenance Activity /Measurable Goal**	**Unit of Measurement**	**Quantity**
Flyers and Brochures	N/A	Number of Flyers/Brochures Distributed	Each	0
	N/A	Number of Posters Displayed	Each	0
Construction SWPPP Review	N/A	Number of SWPPPs Reviewed	Each	0
Construction Site Inspection	N/A	Number of Inspected Construction Sites	Each	0
Illegal Dumping	425-01	Spill Clean Up	Each	0
Litter Collection	440-02	Litter Cleaning of Roadside	Cubic Yard	0
	440-03	Servicing of Litter Barrels	Each	0
	440-05	Pick Up of Inmate Litter	Cubic Yard	0
	440-06	Pick Up of Sheriff's Litter	Cubic Yard	0
Adopt-A-Road	440-04	Pick Up of Litter (Adopt-A-Road)	Cubic Yard	0
	N/A	Number of Active Groups	Each	0
	N/A	Number of Miles Adopted	Mile	0
Debris Management	440-08	Debris Removal and Disposal	Cubic Yard	0
	440-19	Roadway Clearing	Mile	0
	540-04	Cleaning Roadways	Mile	0
	630-09	Disposal of Roadway Debris by Road Runner	Hours	0
	630-10	Pick Up of Roadway Debris by Road Runner	Hours	0
Pesticide Application	440-10	Fertilizer Application	Ton	0
	440-11	Lime Application	Ton	0
	440-12	Herbicide Application-Hand Method	Gallon	0
	440-13	Herbicide Application-Machine Method	Acre	0
	N/A	Number of Licensed Applicators	Each	1

BMP	Activity Code	Maintenance Activity /Measurable Goal	Unit of Measurement	Quantity
	N/A	Number of Training Hours for each Applicator	Each	8
Erosion & Sediment Control	440-00	Erosion Control & Repair	Each	0
Roadside Drainage Maintenance	450-01	Clean & Maintain Drainage Structures	Each	0
	450-02	Drainage Structure Repair	Each	0
	450-03	Install Drainage Culverts	Each	0
	450-04	Clean & Reshape Ditches-Hand Method	Linear Foot	0
	450-05	Clean & Reshape Ditches-Machine Method	Linear Foot	0
	450-06	Install/Replace Inlets & Catch Basins	Each	0
Bridge & Structure Maintenance	465-00	Clean Structural Members	Each	0
	465-01	Clean Deck & Drain	Linear Foot	0
	465-17	Remove Drift	Each	0
Street Sweeping	540-03	Sweeper Cleaning	Mile	0
De-icing/Anti-icing Materials Management	540-07	Snow & Ice Control	Hours	35
	540-08	Snow & Ice Control Preparations	Hours	0
	540-09	Snow & Ice Inspection/Reconnaissance	Hours	0
	N/A	Lightweight Aggregate	Cubic Yards	
	N/A	Salt	Pounds	76200
	N/A	Ethylene Glycol	Gallons	
	N/A	Calcium Magnesium Acetate	Pounds	
Bulk Materials Management	630-03	Material Handling & Stockpiling	Hours	0

Table IV				
Measurable Goals Output Table				
Urbanized Area-**Baton Rouge**				
BMP	Activity Code	Maintenance Activity /Measurable Goal	Unit of Measurement	Quantity
Flyers and Brochures	N/A	Number of Flyers/Brochures Distributed	Each	75
	N/A	Number of Posters Displayed	Each	3
Construction SWPPP Review	N/A	Number of SWPPPs Reviewed	Each	3
Construction Site Inspection	N/A	Number of Inspected Construction Sites	Each	3
Illegal Dumping	425-01	Spill Clean Up	Each	21
Litter Collection	440-02	Litter Cleaning of Roadside	Cubic Yard	505.5
	440-03	Servicing of Litter Barrels	Each	0
	440-05	Pick Up of Inmate Litter	Cubic Yard	37
	440-06	Pick Up of Sheriff's Litter	Cubic Yard	0
Adopt-A-Road	440-04	Pick Up of Litter (Adopt-A-Road)	Cubic Yard	8
	N/A	Number of Active Groups	Each	40
	N/A	Number of Miles Adopted	Mile	27.5
Debris Management	440-08	Debris Removal and Disposal	Cubic Yard	51
	440-19	Roadway Clearing	Mile	6.6
	540-04	Cleaning Roadways	Mile	2
	630-09	Disposal of Roadway Debris by Road Runner	Hours	0
	630-10	Pick Up of Roadway Debris by Road Runner	Hours	0
Pesticide Application	440-10	Fertilizer Application	Ton	0
	440-11	Lime Application	Ton	0
	440-12	Herbicide Application-Hand Method	Gallon	394
	440-13	Herbicide Application-Machine Method	Acre	7947.75
	N/A	Number of Licensed Applicators	Each	6

BMP	Activity Code	Maintenance Activity /Measurable Goal	Unit of Measurement	Quantity
	N/A	Number of Training Hours for each Applicator	Hours	16
Erosion & Sediment Control	440-00	Erosion Control & Repair	Each	12.5
Roadside Drainage Maintenance	450-01	Clean & Maintain Drainage Structures	Each	136.5
	450-02	Drainage Structure Repair	Each	4
	450-03	Install Drainage Culverts	Each	80
	450-04	Clean & Reshape Ditches-Hand Method	Linear Foot	0
	450-05	Clean & Reshape Ditches-Machine Method	Linear Foot	5406.4
	450-06	Install/Replace Inlets & Catch Basins	Each	108
Bridge & Structure Maintenance	465-00	Clean Structural Members	Each	0
	465-01	Clean Deck & Drain	Linear Foot	0
	465-17	Remove Drift	Each	0
Street Sweeping	540-03	Sweeper Cleaning	Mile	836.29
De-icing/Anti-icing Materials Management	540-07	Snow & Ice Control	Hours	0
	540-08	Snow & Ice Control Preparations	Hours	0
	540-09	Snow & Ice Inspection/Reconnaissance	Hours	0
	N/A	Lightweight Aggregate	Cubic Yards	
	N/A	Salt	Pounds	950
	N/A	Ethylene Glycol	Gallons	
	N/A	Calcium Magnesium Acetate	Pounds	
Bulk Materials Management	630-03	Material Handling & Stockpiling	Hours	50

Table V				
Measurable Goals Output Table				
LDEQ-Designated Regulated Area-**Hammond**				
BMP	**Activity Code**	**Maintenance Activity /Measurable Goal**	**Unit of Measurement**	**Quantity**
Flyers and Brochures	N/A	Number of Flyers/Brochures Distributed	Each	0
	N/A	Number of Posters Displayed	Each	0
Construction SWPPP Review	N/A	Number of SWPPPs Reviewed	Each	7
Construction Site Inspection	N/A	Number of Inspected Construction Sites	Each	7
Illegal Dumping	425-01	Spill Clean Up	Each	2
Litter Collection	440-02	Litter Cleaning of Roadside	Cubic Yard	85
	440-03	Servicing of Litter Barrels	Each	0
	440-05	Pick Up of Inmate Litter	Cubic Yard	251
	440-06	Pick Up of Sheriff's Litter	Cubic Yard	0
Adopt-A-Road	440-04	Pick Up of Litter (Adopt-A-Road)	Cubic Yard	103
	N/A	Number of Active Groups	Each	5
	N/A	Number of Miles Adopted	Mile	7.6
Debris Management	440-08	Debris Removal and Disposal	Cubic Yard	365.5
	440-19	Roadway Clearing	Mile	0.25
	540-04	Cleaning Roadways	Mile	2
	630-09	Disposal of Roadway Debris by Road Runner	Hours	0
	630-10	Pick Up of Roadway Debris by Road Runner	Hours	0
Pesticide Application	440-10	Fertilizer Application	Ton	0
	440-11	Lime Application	Ton	0
	440-12	Herbicide Application-Hand Method	Gallon	1815
	440-13	Herbicide Application-Machine Method	Acre	650
	N/A	Number of Licensed Applicators	Each	7

BMP	Activity Code	Maintenance Activity /Measurable Goal	Unit of Measurement	Quantity
	N/A	Number of Training Hours for each Applicator	Each	8
Erosion & Sediment Control	440-00	Erosion Control & Repair	Each	39
Roadside Drainage Maintenance	450-01	Clean & Maintain Drainage Structures	Each	152
	450-02	Drainage Structure Repair	Each	0
	450-03	Install Drainage Culverts	Each	0
	450-04	Clean & Reshape Ditches-Hand Method	Linear Foot	19200
	450-05	Clean & Reshape Ditches-Machine Method	Linear Foot	30746.5
	450-06	Install/Replace Inlets & Catch Basins	Each	0
Bridge & Structure Maintenance	465-00	Clean Structural Members	Each	0
	465-01	Clean Deck & Drain	Linear Foot	4600
	465-17	Remove Drift	Each	0
Street Sweeping	540-03	Sweeper Cleaning	Mile	87.82
De-icing/Anti-icing Materials Management	540-07	Snow & Ice Control	Hours	33.25
	540-08	Snow & Ice Control Preparations	Hours	12
	540-09	Snow & Ice Inspection/Reconnaissance	Hours	38
	N/A	Lightweight Aggregate	Cubic Yards	
	N/A	Salt	Pounds	
	N/A	Ethylene Glycol	Gallons	
	N/A	Calcium Magnesium Acetate	Pounds	
Bulk Materials Management	630-03	Material Handling & Stockpiling	Hours	527

Table VI				
Measurable Goals Output Table				
Urbanized Area-**Houma**				
BMP	**Activity Code**	**Maintenance Activity /Measurable Goal**	**Unit of Measurement**	**Quantity**
Flyers and Brochures	N/A	Number of Flyers/Brochures Distributed	Each	50
	N/A	Number of Posters Displayed	Each	0
Construction SWPPP Review	N/A	Number of SWPPPs Reviewed	Each	4
Construction Site Inspection	N/A	Number of Inspected Construction Sites	Each	4
Illegal Dumping	425-01	Spill Clean Up	Each	13
Litter Collection	440-02	Litter Cleaning of Roadside	Cubic Yard	0
	440-03	Servicing of Litter Barrels	Each	0
	440-05	Pick Up of Inmate Litter	Cubic Yard	0
	440-06	Pick Up of Sheriff's Litter	Cubic Yard	0
Adopt-A-Road	440-04	Pick Up of Litter (Adopt-A-Road)	Cubic Yard	0
	N/A	Number of Active Groups	Each	3
	N/A	Number of Miles Adopted	Mile	6.5
Debris Management	440-08	Debris Removal and Disposal	Cubic Yard	0
	440-19	Roadway Clearing	Mile	0
	540-04	Cleaning Roadways	Mile	0
	630-09	Disposal of Roadway Debris by Road Runner	Hours	0
	630-10	Pick Up of Roadway Debris by Road Runner	Hours	0
Pesticide Application	440-10	Fertilizer Application	Ton	0
	440-11	Lime Application	Ton	0
	440-12	Herbicide Application-Hand Method	Gallon	200
	440-13	Herbicide Application-Machine Method	Acre	3750
	N/A	Number of Licensed Applicators	Each	2

BMP	Activity Code	Maintenance Activity /Measurable Goal	Unit of Measurement	Quantity
	N/A	Number of Training Hours for each Applicator	Each	8
Erosion & Sediment Control	440-00	Erosion Control & Repair	Each	11
Roadside Drainage Maintenance	450-01	Clean & Maintain Drainage Structures	Each	107
	450-02	Drainage Structure Repair	Each	2
	450-03	Install Drainage Culverts	Each	0
	450-04	Clean & Reshape Ditches-Hand Method	Linear Foot	0
	450-05	Clean & Reshape Ditches-Machine Method	Linear Foot	24.9
	450-06	Install/Replace Inlets & Catch Basins	Each	0
Bridge & Structure Maintenance	465-00	Clean Structural Members	Each	0
	465-01	Clean Deck & Drain	Linear Foot	0
	465-17	Remove Drift	Each	0
Street Sweeping	540-03	Sweeper Cleaning	Mile	0
De-icing/Anti-icing Materials Management	540-07	Snow & Ice Control	Hours	0
	540-08	Snow & Ice Control Preparations	Hours	0
	540-09	Snow & Ice Inspection/Reconnaissance	Hours	0
	N/A	Lightweight Aggregate	Cubic Yards	
	N/A	Salt	Pounds	
	N/A	Ethylene Glycol	Gallons	
	N/A	Calcium Magnesium Acetate	Pounds	
Bulk Materials Management	630-03	Material Handling & Stockpiling	Hours	18

Table VII				
Measurable Goals Output Table				
Urbanized Area-**Lafayette**				
BMP	**Activity Code**	**Maintenance Activity /Measurable Goal**	**Unit of Measurement**	**Quantity**
Flyers and Brochures	N/A	Number of Flyers/Brochures Distributed	Each	50
	N/A	Number of Posters Displayed	Each	0
Construction SWPPP Review	N/A	Number of SWPPPs Reviewed	Each	2
Construction Site Inspection	N/A	Number of Inspected Construction Sites	Each	2
Illegal Dumping	425-01	Spill Clean Up	Each	24.5
Litter Collection	440-02	Litter Cleaning of Roadside	Cubic Yard	3
	440-03	Servicing of Litter Barrels	Each	0
	440-05	Pick Up of Inmate Litter	Cubic Yard	0
	440-06	Pick Up of Sheriff's Litter	Cubic Yard	0
Adopt-A-Road	440-04	Pick Up of Litter (Adopt-A-Road)	Cubic Yard	0
	N/A	Number of Active Groups	Each	5
	N/A	Number of Miles Adopted	Mile	3.1
Debris Management	440-08	Debris Removal and Disposal	Cubic Yard	210
	440-19	Roadway Clearing	Mile	49.72
	540-04	Cleaning Roadways	Mile	128
	630-09	Disposal of Roadway Debris by Road Runner	Hours	0
	630-10	Pick Up of Roadway Debris by Road Runner	Hours	387
Pesticide Application	440-10	Fertilizer Application	Ton	0
	440-11	Lime Application	Ton	0
	440-12	Herbicide Application-Hand Method	Gallon	6658.5
	440-13	Herbicide Application-Machine Method	Acre	1917.5
	N/A	Number of Licensed Applicators	Each	6

BMP	Activity Code	Maintenance Activity /Measurable Goal	Unit of Measurement	Quantity
	N/A	Number of Training Hours for each Applicator	Each	12
Erosion & Sediment Control	440-00	Erosion Control & Repair	Each	19
Roadside Drainage Maintenance	450-01	Clean & Maintain Drainage Structures	Each	774.5
	450-02	Drainage Structure Repair	Each	1.1
	450-03	Install Drainage Culverts	Each	1
	450-04	Clean & Reshape Ditches-Hand Method	Linear Foot	0.4
	450-05	Clean & Reshape Ditches-Machine Method	Linear Foot	1607.74
	450-06	Install/Replace Inlets & Catch Basins	Each	0
Bridge & Structure Maintenance	465-00	Clean Structural Members	Each	0
	465-01	Clean Deck & Drain	Linear Foot	2630
	465-17	Remove Drift	Each	0
Street Sweeping	540-03	Sweeper Cleaning	Mile	367.996
De-icing/Anti-icing Materials Management	540-07	Snow & Ice Control	Hours	147.5
	540-08	Snow & Ice Control Preparations	Hours	0
	540-09	Snow & Ice Inspection/Reconnaissance	Hours	14.5
	N/A	Lightweight Aggregate	Cubic Yards	1
	N/A	Salt	Pounds	1150
	N/A	Ethylene Glycol	Gallons	
	N/A	Calcium Magnesium Acetate	Pounds	
Bulk Materials Management	630-03	Material Handling & Stockpiling	Hours	0

Table VIII				
Measurable Goals Output Table				
Urbanized Area-**Lake Charles**				
BMP	Activity Code	Maintenance Activity /Measurable Goal	Unit of Measurement	Quantity
Flyers and Brochures	N/A	Number of Flyers/Brochures Distributed	Each	50
	N/A	Number of Posters Displayed	Each	0
Construction SWPPP Review	N/A	Number of SWPPPs Reviewed	Each	0
Construction Site Inspection	N/A	Number of Inspected Construction Sites	Each	0
Illegal Dumping	425-01	Spill Clean Up	Each	55.75
Litter Collection	440-02	Litter Cleaning of Roadside	Cubic Yard	2
	440-03	Servicing of Litter Barrels	Each	0
	440-05	Pick Up of Inmate Litter	Cubic Yard	568
	440-06	Pick Up of Sheriff's Litter	Cubic Yard	0
Adopt-A-Road	440-04	Pick Up of Litter (Adopt-A-Road)	Cubic Yard	0
	N/A	Number of Active Groups	Each	0
	N/A	Number of Miles Adopted	Mile	0
Debris Management	440-08	Debris Removal and Disposal	Cubic Yard	151
	440-19	Roadway Clearing	Mile	0.25
	540-04	Cleaning Roadways	Mile	0
	630-09	Disposal of Roadway Debris by Road Runner	Hours	0
	630-10	Pick Up of Roadway Debris by Road Runner	Hours	1471.685
Pesticide Application	440-10	Fertilizer Application	Ton	0
	440-11	Lime Application	Ton	0
	440-12	Herbicide Application-Hand Method	Gallon	4766.25
	440-13	Herbicide Application-Machine Method	Acre	2042.45
	N/A	Number of Licensed Applicators	Each	5

BMP	Activity Code	Maintenance Activity /Measurable Goal	Unit of Measurement	Quantity
	N/A	Number of Training Hours for each Applicator	Each	0
Erosion & Sediment Control	440-00	Erosion Control & Repair	Each	25
Roadside Drainage Maintenance	450-01	Clean & Maintain Drainage Structures	Each	272
	450-02	Drainage Structure Repair	Each	14
	450-03	Install Drainage Culverts	Each	1
	450-04	Clean & Reshape Ditches-Hand Method	Linear Foot	0
	450-05	Clean & Reshape Ditches-Machine Method	Linear Foot	2801.5
	450-06	Install/Replace Inlets & Catch Basins	Each	0
Bridge & Structure Maintenance	465-00	Clean Structural Members	Each	0
	465-01	Clean Deck & Drain	Linear Foot	62213
	465-17	Remove Drift	Each	0
Street Sweeping	540-03	Sweeper Cleaning	Mile	0
De-icing/Anti-icing Materials Management	540-07	Snow & Ice Control	Hours	0
	540-08	Snow & Ice Control Preparations	Hours	0
	540-09	Snow & Ice Inspection/Reconnaissance	Hours	0
	N/A	Lightweight Aggregate	Cubic Yards	
	N/A	Salt	Pounds	
	N/A	Ethylene Glycol	Gallons	1000
	N/A	Calcium Magnesium Acetate	Pounds	
Bulk Materials Management	630-03	Material Handling & Stockpiling	Hours	108

Table IX				
Measurable Goals Output Table				
Urbanized Area-**Mandeville-Covington**				
BMP	**Activity Code**	**Maintenance Activity /Measurable Goal**	**Unit of Measurement**	**Quantity**
Flyers and Brochures	N/A	Number of Flyers/Brochures Distributed	Each	0
	N/A	Number of Posters Displayed	Each	0
Construction SWPPP Review	N/A	Number of SWPPPs Reviewed	Each	3
Construction Site Inspection	N/A	Number of Inspected Construction Sites	Each	3
Illegal Dumping	425-01	Spill Clean Up	Each	0
Litter Collection	440-02	Litter Cleaning of Roadside	Cubic Yard	0
	440-03	Servicing of Litter Barrels	Each	0
	440-05	Pick Up of Inmate Litter	Cubic Yard	86.9
	440-06	Pick Up of Sheriff's Litter	Cubic Yard	0
Adopt-A-Road	440-04	Pick Up of Litter (Adopt-A-Road)	Cubic Yard	112
	N/A	Number of Active Groups	Each	1
	N/A	Number of Miles Adopted	Mile	2.5
Debris Management	440-08	Debris Removal and Disposal	Cubic Yard	0
	440-19	Roadway Clearing	Mile	0
	540-04	Cleaning Roadways	Mile	0
	630-09	Disposal of Roadway Debris by Road Runner	Hours	0
	630-10	Pick Up of Roadway Debris by Road Runner	Hours	0
Pesticide Application	440-10	Fertilizer Application	Ton	0
	440-11	Lime Application	Ton	0
	440-12	Herbicide Application-Hand Method	Gallon	2
	440-13	Herbicide Application-Machine Method	Acre	0
	N/A	Number of Licensed Applicators	Each	7

BMP	Activity Code	Maintenance Activity /Measurable Goal	Unit of Measurement	Quantity
	N/A	Number of Training Hours for each Applicator	Each	8
Erosion & Sediment Control	440-00	Erosion Control & Repair	Each	0
Roadside Drainage Maintenance	450-01	Clean & Maintain Drainage Structures	Each	37
	450-02	Drainage Structure Repair	Each	0
	450-03	Install Drainage Culverts	Each	0
	450-04	Clean & Reshape Ditches-Hand Method	Linear Foot	0
	450-05	Clean & Reshape Ditches-Machine Method	Linear Foot	4.35
	450-06	Install/Replace Inlets & Catch Basins	Each	0
Bridge & Structure Maintenance	465-00	Clean Structural Members	Each	0
	465-01	Clean Deck & Drain	Linear Foot	4847.1
	465-17	Remove Drift	Each	0
Street Sweeping	540-03	Sweeper Cleaning	Mile	0
De-icing/Anti-icing Materials Management	540-07	Snow & Ice Control	Hours	0
	540-08	Snow & Ice Control Preparations	Hours	0
	540-09	Snow & Ice Inspection/Reconnaissance	Hours	0
	N/A	Lightweight Aggregate	Cubic Yards	
	N/A	Salt	Pounds	
	N/A	Ethylene Glycol	Gallons	
	N/A	Calcium Magnesium Acetate	Pounds	
Bulk Materials Management	630-03	Material Handling & Stockpiling	Hours	0

Table X				
Measurable Goals Output Table				
Urbanized Area-**Monroe**				
BMP	**Activity Code**	**Maintenance Activity /Measurable Goal**	**Unit of Measurement**	**Quantity**
Flyers and Brochures	N/A	Number of Flyers/Brochures Distributed	Each	0
	N/A	Number of Posters Displayed	Each	0
Construction SWPPP Review	N/A	Number of SWPPPs Reviewed	Each	4
Construction Site Inspection	N/A	Number of Inspected Construction Sites	Each	4
Illegal Dumping	425-01	Spill Clean Up	Each	35
Litter Collection	440-02	Litter Cleaning of Roadside	Cubic Yard	0
	440-03	Servicing of Litter Barrels	Each	0
	440-05	Pick Up of Inmate Litter	Cubic Yard	390
	440-06	Pick Up of Sheriff's Litter	Cubic Yard	5
Adopt-A-Road	440-04	Pick Up of Litter (Adopt-A-Road)	Cubic Yard	43
	N/A	Number of Active Groups	Each	26
	N/A	Number of Miles Adopted	Mile	30.33
Debris Management	440-08	Debris Removal and Disposal	Cubic Yard	83
	440-19	Roadway Clearing	Mile	0
	540-04	Cleaning Roadways	Mile	12636.51
	630-09	Disposal of Roadway Debris by Road Runner	Hours	0
	630-10	Pick Up of Roadway Debris by Road Runner	Hours	0
Pesticide Application	440-10	Fertilizer Application	Ton	0
	440-11	Lime Application	Ton	0
	440-12	Herbicide Application-Hand Method	Gallon	22
	440-13	Herbicide Application-Machine Method	Acre	561
	N/A	Number of Licensed Applicators	Each	1

BMP	Activity Code	Maintenance Activity /Measurable Goal	Unit of Measurement	Quantity
	N/A	Number of Training Hours for each Applicator	Each	8
Erosion & Sediment Control	440-00	Erosion Control & Repair	Each	193
Roadside Drainage Maintenance	450-01	Clean & Maintain Drainage Structures	Each	216
	450-02	Drainage Structure Repair	Each	23.43
	450-03	Install Drainage Culverts	Each	31.96
	450-04	Clean & Reshape Ditches-Hand Method	Linear Foot	30
	450-05	Clean & Reshape Ditches-Machine Method	Linear Foot	1282.2
	450-06	Install/Replace Inlets & Catch Basins	Each	0
Bridge & Structure Maintenance	465-00	Clean Structural Members	Each	0
	465-01	Clean Deck & Drain	Linear Foot	1290
	465-17	Remove Drift	Each	10
Street Sweeping	540-03	Sweeper Cleaning	Mile	1883.79
De-icing/Anti-icing Materials Management	540-07	Snow & Ice Control	Hours	830
	540-08	Snow & Ice Control Preparations	Hours	491.25
	540-09	Snow & Ice Inspection/Reconnaissance	Hours	252
	N/A	Lightweight Aggregate	Cubic Yards	
	N/A	Salt	Pounds	169250
	N/A	Ethylene Glycol	Gallons	
	N/A	Calcium Magnesium Acetate	Pounds	
Bulk Materials Management	630-03	Material Handling & Stockpiling	Hours	2393.25

Table XI				
Measurable Goals Output Table				
LDEQ-Designated Regulated Area-**Morgan City**				
BMP	**Activity Code**	**Maintenance Activity /Measurable Goal**	**Unit of Measurement**	**Quantity**
Flyers and Brochures	N/A	Number of Flyers/Brochures Distributed	Each	0
	N/A	Number of Posters Displayed	Each	0
Construction SWPPP Review	N/A	Number of SWPPPs Reviewed	Each	0
Construction Site Inspection	N/A	Number of Inspected Construction Sites	Each	0
Illegal Dumping	425-01	Spill Clean Up	Each	4
Litter Collection	440-02	Litter Cleaning of Roadside	Cubic Yard	41
	440-03	Servicing of Litter Barrels	Each	0
	440-05	Pick Up of Inmate Litter	Cubic Yard	0
	440-06	Pick Up of Sheriff's Litter	Cubic Yard	0
Adopt-A-Road	440-04	Pick Up of Litter (Adopt-A-Road)	Cubic Yard	0
	N/A	Number of Active Groups	Each	1
	N/A	Number of Miles Adopted	Mile	1
Debris Management	440-08	Debris Removal and Disposal	Cubic Yard	45.1
	440-19	Roadway Clearing	Mile	0
	540-04	Cleaning Roadways	Mile	0
	630-09	Disposal of Roadway Debris by Road Runner	Hours	0
	630-10	Pick Up of Roadway Debris by Road Runner	Hours	2
Pesticide Application	440-10	Fertilizer Application	Ton	0
	440-11	Lime Application	Ton	0
	440-12	Herbicide Application-Hand Method	Gallon	1000
	440-13	Herbicide Application-Machine Method	Acre	417.2
	N/A	Number of Licensed Applicators	Each	0

BMP	Activity Code	Maintenance Activity /Measurable Goal	Unit of Measurement	Quantity
	N/A	Number of Training Hours for each Applicator	Each	0
Erosion & Sediment Control	440-00	Erosion Control & Repair	Each	1
Roadside Drainage Maintenance	450-01	Clean & Maintain Drainage Structures	Each	194
	450-02	Drainage Structure Repair	Each	3
	450-03	Install Drainage Culverts	Each	3
	450-04	Clean & Reshape Ditches-Hand Method	Linear Foot	0
	450-05	Clean & Reshape Ditches-Machine Method	Linear Foot	1.74
	450-06	Install/Replace Inlets & Catch Basins	Each	0
Bridge & Structure Maintenance	465-00	Clean Structural Members	Each	0
	465-01	Clean Deck & Drain	Linear Foot	3.6
	465-17	Remove Drift	Each	0
Street Sweeping	540-03	Sweeper Cleaning	Mile	0
De-icing/Anti-icing Materials Management	540-07	Snow & Ice Control	Hours	180
	540-08	Snow & Ice Control Preparations	Hours	0
	540-09	Snow & Ice Inspection/Reconnaissance	Hours	0
	N/A	Lightweight Aggregate	Cubic Yards	4
	N/A	Salt	Pounds	
	N/A	Ethylene Glycol	Gallons	
	N/A	Calcium Magnesium Acetate	Pounds	
Bulk Materials Management	630-03	Material Handling & Stockpiling	Hours	0

Table XII				
Measurable Goals Output Table				
LDEQ-Designated Regulated Area-**Natchitoches**				
BMP	**Activity Code**	**Maintenance Activity /Measurable Goal**	**Unit of Measurement**	**Quantity**
Flyers and Brochures	N/A	Number of Flyers/Brochures Distributed	Each	0
	N/A	Number of Posters Displayed	Each	0
Construction SWPPP Review	N/A	Number of SWPPPs Reviewed	Each	0
Construction Site Inspection	N/A	Number of Inspected Construction Sites	Each	0
Illegal Dumping	425-01	Spill Clean Up	Each	0
Litter Collection	440-02	Litter Cleaning of Roadside	Cubic Yard	0
	440-03	Servicing of Litter Barrels	Each	0
	440-05	Pick Up of Inmate Litter	Cubic Yard	0
	440-06	Pick Up of Sheriff's Litter	Cubic Yard	0
Adopt-A-Road	440-04	Pick Up of Litter (Adopt-A-Road)	Cubic Yard	0
	N/A	Number of Active Groups	Each	4
	N/A	Number of Miles Adopted	Mile	7.21
Debris Management	440-08	Debris Removal and Disposal	Cubic Yard	2.5
	440-19	Roadway Clearing	Mile	0
	540-04	Cleaning Roadways	Mile	0
	630-09	Disposal of Roadway Debris by Road Runner	Hours	0
	630-10	Pick Up of Roadway Debris by Road Runner	Hours	0
Pesticide Application	440-10	Fertilizer Application	Ton	0
	440-11	Lime Application	Ton	0
	440-12	Herbicide Application-Hand Method	Gallon	0
	440-13	Herbicide Application-Machine Method	Acre	337
	N/A	Number of Licensed Applicators	Each	1

BMP	Activity Code	Maintenance Activity /Measurable Goal	Unit of Measurement	Quantity
	N/A	Number of Training Hours for each Applicator	Each	4
Erosion & Sediment Control	440-00	Erosion Control & Repair	Each	6
Roadside Drainage Maintenance	450-01	Clean & Maintain Drainage Structures	Each	2
	450-02	Drainage Structure Repair	Each	101
	450-03	Install Drainage Culverts	Each	0
	450-04	Clean & Reshape Ditches-Hand Method	Linear Foot	0
	450-05	Clean & Reshape Ditches-Machine Method	Linear Foot	0
	450-06	Install/Replace Inlets & Catch Basins	Each	0
Bridge & Structure Maintenance	465-00	Clean Structural Members	Each	0
	465-01	Clean Deck & Drain	Linear Foot	0
	465-17	Remove Drift	Each	0
Street Sweeping	540-03	Sweeper Cleaning	Mile	0
De-icing/Anti-icing Materials Management	540-07	Snow & Ice Control	Hours	28.5
	540-08	Snow & Ice Control Preparations	Hours	0
	540-09	Snow & Ice Inspection/Reconnaissance	Hours	6
	N/A	Lightweight Aggregate	Cubic Yards	
	N/A	Salt	Pounds	42890
	N/A	Ethylene Glycol	Gallons	
	N/A	Calcium Magnesium Acetate	Pounds	
Bulk Materials Management	630-03	Material Handling & Stockpiling	Hours	0

Table XIII				
Measurable Goals Output Table				
Urbanized Area-**New Orleans**				
BMP	**Activity Code**	**Maintenance Activity /Measurable Goal**	**Unit of Measurement**	**Quantity**
Flyers and Brochures	N/A	Number of Flyers/Brochures Distributed	Each	0
	N/A	Number of Posters Displayed	Each	0
Construction SWPPP Review	N/A	Number of SWPPPs Reviewed	Each	8
Construction Site Inspection	N/A	Number of Inspected Construction Sites	Each	8
Illegal Dumping	425-01	Spill Clean Up	Each	181.888
Litter Collection	440-02	Litter Cleaning of Roadside	Cubic Yard	8578.22
	440-03	Servicing of Litter Barrels	Each	2
	440-05	Pick Up of Inmate Litter	Cubic Yard	0
	440-06	Pick Up of Sheriff's Litter	Cubic Yard	0
Adopt-A-Road	440-04	Pick Up of Litter (Adopt-A-Road)	Cubic Yard	8
	N/A	Number of Active Groups	Each	29
	N/A	Number of Miles Adopted	Mile	51.5
Debris Management	440-08	Debris Removal and Disposal	Cubic Yard	454.93
	440-19	Roadway Clearing	Mile	475.22
	540-04	Cleaning Roadways	Mile	2814.14
	630-09	Disposal of Roadway Debris by Road Runner	Hours	3
	630-10	Pick Up of Roadway Debris by Road Runner	Hours	0
Pesticide Application	440-10	Fertilizer Application	Ton	0
	440-11	Lime Application	Ton	0
	440-12	Herbicide Application-Hand Method	Gallon	0
	440-13	Herbicide Application-Machine Method	Acre	0
	N/A	Number of Licensed Applicators	Each	11

BMP	Activity Code	Maintenance Activity /Measurable Goal	Unit of Measurement	Quantity
	N/A	Number of Training Hours for each Applicator	Each	8
Erosion & Sediment Control	440-00	Erosion Control & Repair	Each	74.37
Roadside Drainage Maintenance	450-01	Clean & Maintain Drainage Structures	Each	2620.3
	450-02	Drainage Structure Repair	Each	125
	450-03	Install Drainage Culverts	Each	7
	450-04	Clean & Reshape Ditches-Hand Method	Linear Foot	4827
	450-05	Clean & Reshape Ditches-Machine Method	Linear Foot	24282.1
	450-06	Install/Replace Inlets & Catch Basins	Each	13
Bridge & Structure Maintenance	465-00	Clean Structural Members	Each	0
	465-01	Clean Deck & Drain	Linear Foot	0
	465-17	Remove Drift	Each	0
Street Sweeping	540-03	Sweeper Cleaning	Mile	3450.16
De-icing/Anti-icing Materials Management	540-07	Snow & Ice Control	Hours	0
	540-08	Snow & Ice Control Preparations	Hours	2.5
	540-09	Snow & Ice Inspection/Reconnaissance	Hours	5
	N/A	Lightweight Aggregate	Cubic Yards	
	N/A	Salt	Pounds	
	N/A	Ethylene Glycol	Gallons	
	N/A	Calcium Magnesium Acetate	Pounds	
Bulk Materials Management	630-03	Material Handling & Stockpiling	Hours	375.03

Table XIV				
Measurable Goals Output Table				
Urbanized Area-**Shreveport**				
BMP	**Activity Code**	**Maintenance Activity /Measurable Goal**	**Unit of Measurement**	**Quantity**
Flyers and Brochures	N/A	Number of Flyers/Brochures Distributed	Each	0
	N/A	Number of Posters Displayed	Each	0
Construction SWPPP Review	N/A	Number of SWPPPs Reviewed	Each	6
Construction Site Inspection	N/A	Number of Inspected Construction Sites	Each	6
Illegal Dumping	425-01	Spill Clean Up	Each	93.5
Litter Collection	440-02	Litter Cleaning of Roadside	Cubic Yard	24
	440-03	Servicing of Litter Barrels	Each	0
	440-05	Pick Up of Inmate Litter	Cubic Yard	440.5
	440-06	Pick Up of Sheriff's Litter	Cubic Yard	212
Adopt-A-Road	440-04	Pick Up of Litter (Adopt-A-Road)	Cubic Yard	15
	N/A	Number of Active Groups	Each	6
	N/A	Number of Miles Adopted	Mile	5.25
Debris Management	440-08	Debris Removal and Disposal	Cubic Yard	91.65
	440-19	Roadway Clearing	Mile	10
	540-04	Cleaning Roadways	Mile	11343
	630-09	Disposal of Roadway Debris by Road Runner	Hours	40
	630-10	Pick Up of Roadway Debris by Road Runner	Hours	0
Pesticide Application	440-10	Fertilizer Application	Ton	0
	440-11	Lime Application	Ton	0
	440-12	Herbicide Application-Hand Method	Gallon	6015
	440-13	Herbicide Application-Machine Method	Acre	3714
	N/A	Number of Licensed Applicators	Each	1

BMP	Activity Code	Maintenance Activity /Measurable Goal	Unit of Measurement	Quantity
	N/A	Number of Training Hours for each Applicator	Each	8
Erosion & Sediment Control	440-00	Erosion Control & Repair	Each	109
Roadside Drainage Maintenance	450-01	Clean & Maintain Drainage Structures	Each	558
	450-02	Drainage Structure Repair	Each	3
	450-03	Install Drainage Culverts	Each	2
	450-04	Clean & Reshape Ditches-Hand Method	Linear Foot	527.5
	450-05	Clean & Reshape Ditches-Machine Method	Linear Foot	1118
	450-06	Install/Replace Inlets & Catch Basins	Each	0
Bridge & Structure Maintenance	465-00	Clean Structural Members	Each	0
	465-01	Clean Deck & Drain	Linear Foot	400
	465-17	Remove Drift	Each	0
Street Sweeping	540-03	Sweeper Cleaning	Mile	590
De-icing/Anti-icing Materials Management	540-07	Snow & Ice Control	Hours	1116
	540-08	Snow & Ice Control Preparations	Hours	0
	540-09	Snow & Ice Inspection/Reconnaissance	Hours	108
	N/A	Lightweight Aggregate	Cubic Yards	
	N/A	Salt	Pounds	972260.5
	N/A	Ethylene Glycol	Gallons	
	N/A	Calcium Magnesium Acetate	Pounds	32343
Bulk Materials Management	630-03	Material Handling & Stockpiling	Hours	48

Table XV				
Measurable Goals Output Table				
Urbanized Area-**Slidell**				
BMP	**Activity Code**	**Maintenance Activity /Measurable Goal**	**Unit of Measurement**	**Quantity**
Flyers and Brochures	N/A	Number of Flyers/Brochures Distributed	Each	0
	N/A	Number of Posters Displayed	Each	0
Construction SWPPP Review	N/A	Number of SWPPPs Reviewed	Each	1
Construction Site Inspection	N/A	Number of Inspected Construction Sites	Each	1
Illegal Dumping	425-01	Spill Clean Up	Each	0
Litter Collection	440-02	Litter Cleaning of Roadside	Cubic Yard	0
	440-03	Servicing of Litter Barrels	Each	0
	440-05	Pick Up of Inmate Litter	Cubic Yard	26.71
	440-06	Pick Up of Sheriff's Litter	Cubic Yard	0
Adopt-A-Road	440-04	Pick Up of Litter (Adopt-A-Road)	Cubic Yard	12
	N/A	Number of Active Groups	Each	0
	N/A	Number of Miles Adopted	Mile	0
Debris Management	440-08	Debris Removal and Disposal	Cubic Yard	0
	440-19	Roadway Clearing	Mile	0
	540-04	Cleaning Roadways	Mile	0
	630-09	Disposal of Roadway Debris by Road Runner	Hours	0
	630-10	Pick Up of Roadway Debris by Road Runner	Hours	0
Pesticide Application	440-10	Fertilizer Application	Ton	0
	440-11	Lime Application	Ton	0
	440-12	Herbicide Application-Hand Method	Gallon	2
	440-13	Herbicide Application-Machine Method	Acre	0
	N/A	Number of Licensed Applicators	Each	7

BMP	Activity Code	Maintenance Activity /Measurable Goal	Unit of Measurement	Quantity
	N/A	Number of Training Hours for each Applicator	Each	8
Erosion & Sediment Control	440-00	Erosion Control & Repair	Each	0
Roadside Drainage Maintenance	450-01	Clean & Maintain Drainage Structures	Each	1
	450-02	Drainage Structure Repair	Each	0
	450-03	Install Drainage Culverts	Each	0
	450-04	Clean & Reshape Ditches-Hand Method	Linear Foot	0
	450-05	Clean & Reshape Ditches-Machine Method	Linear Foot	4.24
	450-06	Install/Replace Inlets & Catch Basins	Each	0
Bridge & Structure Maintenance	465-00	Clean Structural Members	Each	0
	465-01	Clean Deck & Drain	Linear Foot	978.51
	465-17	Remove Drift	Each	0
Street Sweeping	540-03	Sweeper Cleaning	Mile	0
De-icing/Anti-icing Materials Management	540-07	Snow & Ice Control	Hours	0
	540-08	Snow & Ice Control Preparations	Hours	0
	540-09	Snow & Ice Inspection/Reconnaissance	Hours	0
	N/A	Lightweight Aggregate	Cubic Yards	
	N/A	Salt	Pounds	
	N/A	Ethylene Glycol	Gallons	
	N/A	Calcium Magnesium Acetate	Pounds	
Bulk Materials Management	630-03	Material Handling & Stockpiling	Hours	0

Appendix B

After the Storm Brochure

After the Storm

For more information contact:

Contact name: Environmental Evaluation Unit
Contact agency: LA DOTD
Address: 5080 Florida Blvd.
City, State, Zip Code: Baton Rouge, LA 70806
Phone number: 225-248-4141
Web address: http://www.dotd.la.gov/highways/construction/lab/ms4/home.asp

or visit
www.epa.gov/npdes/stormwater
www.epa.gov/nps

EPA 833-B-03-002

A Citizen's Guide to Understanding Stormwater

The effects of pollution

Polluted stormwater runoff can have many adverse effects on plants, fish, animals, and people.

- Sediment can cloud the water and make it difficult or impossible for aquatic plants to grow. Sediment also can destroy aquatic habitats.
- Excess nutrients can cause algae blooms. When algae die, they sink to the bottom and decompose in a process that removes oxygen from the water. Fish and other aquatic organisms can't exist in water with low dissolved oxygen levels.
- Bacteria and other pathogens can wash into swimming areas and create health hazards, often making beach closures necessary;
- Debris—plastic bags, six-pack rings, bottles, and cigarette butts—washed into waterbodies can choke, suffocate, or disable aquatic life like ducks, fish, turtles, and birds.
- Household hazardous wastes like insecticides, pesticides, paint, solvents, used motor oil, and other auto fluids can poison aquatic life. Land animals and people can become sick or die from eating diseased fish and shellfish or ingesting polluted water.
- Polluted stormwater often affects drinking water sources. This, in turn, can affect human health and increase drinking water treatment costs.

Stormwater runoff

Stormwater runoff occurs when precipitation from rain or snowmelt flows over the ground. Impervious surfaces like driveways, sidewalks, and streets prevent stormwater from naturally soaking into the ground.

Stormwater can pick up debris, chemicals, dirt, and other pollutants and flow into a storm sewer system or directly to a lake, stream, river, wetland, or coastal water. Anything that enters a storm sewer system is discharged untreated into the waterbodies we use for swimming, fishing, and providing drinking water.

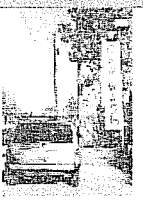
Recycle or properly dispose of household products that contain chemicals, such as insecticides, pesticides, paint, solvents, and used motor oil and other auto fluids. Don't pour them onto the ground or into storm drains.

Lawn care

Excess fertilizers and pesticides applied to lawns and gardens wash off and pollute streams. In addition, yard clippings and leaves can wash into storm drains and contribute nutrients and organic matter to streams.

- Don't overwater your lawn. Consider using a soaker hose instead of a sprinkler.
- Use pesticides and fertilizers sparingly. When use is necessary, use these chemicals in the recommended amounts. Use organic mulch or safer pest control methods whenever possible.
- Compost or mulch yard waste. Don't leave it in the street or sweep it into storm drains or streams.
- Cover piles of dirt or mulch being used in landscaping projects.

Auto care



Washing your car and degreasing auto parts at home can send detergents and other contaminants through the storm sewer system. Dumping automotive fluids into storm drains has the same result as dumping the materials directly into a waterbody.

- Use a commercial car wash that treats or recycles its wastewater, or wash your car on your yard so the water infiltrates into the ground.
- Repair leaks and dispose of used auto fluids and batteries at designated drop-off or recycling locations.

Septic systems

Leaking and poorly maintained septic systems release nutrients and pathogens (bacteria and viruses) that can be picked up by stormwater and discharged into nearby waterbodies. Pathogens can cause public health problems and environmental concerns.

- Inspect your system every 3 years and pump your tank as necessary (every 3 to 5 years).
- Don't dispose of household hazardous waste in sinks or toilets.

Pet waste

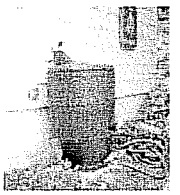
Pet waste can be a major source of bacteria and excess nutrients in local waters.

- When walking your pet, remember to pick up the waste and dispose of it properly. Flushing pet waste is the best disposal method. Leaving pet waste on the ground increases public health risks by allowing harmful bacteria and nutrients to wash into the storm drain and eventually into local waterbodies.

Education is essential to changing people's behavior. Signs and markers near storm drains warn residents that pollutants entering the drains will be carried untreated into a local waterbody.

Residential landscaping

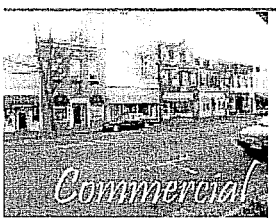
Permeable Pavement—Traditional concrete and asphalt don't allow water to soak into the ground. Instead these surfaces rely on storm drains to divert unwanted water. Permeable pavement systems allow rain and snowmelt to soak through, decreasing stormwater runoff.



Rain Barrels—You can collect rainwater from rooftops in mosquito-proof containers. The water can be used later on lawn or garden areas.

Rain Gardens and Grassy Swales—Specially designed areas planted with native plants can provide natural places for rainwater to collect and soak into the ground. Rain from rooftop areas or paved areas can be diverted into these areas rather than into storm drains.

Vegetated Filter Strips—Filter strips are areas of native grass or plants created along roadways or streams. They trap the pollutants stormwater picks up as it flows across driveways and streets.

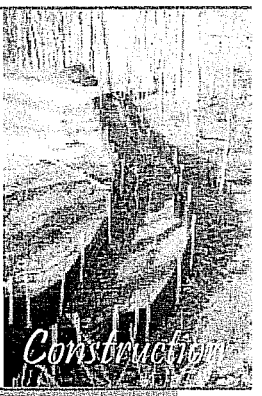


Dirt, oil, and debris that collect in parking lots and paved areas can be washed into the storm sewer system and eventually enter local waterbodies.

- Sweep up litter and debris from sidewalks, driveways and parking lots, especially around storm drains.
- Cover grease storage and dumpsters and keep them clean to avoid leaks.
- Report any chemical spill to the local hazardous waste cleanup team. They'll know the best way to keep spills from harming the environment.

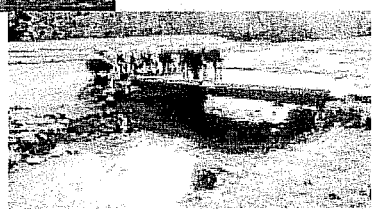
Erosion controls that aren't maintained can cause excessive amounts of sediment and debris to be carried into the stormwater system. Construction vehicles can leak fuel, oil, and other harmful fluids that can be picked up by stormwater and deposited into local waterbodies.

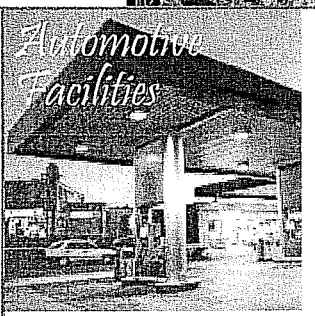
- Divert stormwater away from disturbed or exposed areas of the construction site.
- Install silt fences, vehicle mud removal areas, vegetative cover, and other sediment and erosion controls and properly maintain them, especially after rainstorms.
- Prevent soil erosion by minimizing disturbed areas during construction projects, and seed and mulch bare areas as soon as possible.



Lack of vegetation on streambanks can lead to erosion. Overgrazed pastures can also contribute excessive amounts of sediment to local waterbodies. Excess fertilizers and pesticides can poison aquatic animals and lead to destructive algae blooms. Livestock in streams can contaminate waterways with bacteria, making them unsafe for human contact.

- Keep livestock away from streambanks and provide them a water source away from waterbodies.
- Store and apply manure away from waterbodies and in accordance with a nutrient management plan.
- Vegetate riparian areas along waterways.
- Rotate animal grazing to prevent soil erosion in fields.
- Apply fertilizers and pesticides according to label instructions to save money and minimize pollution.





Improperly managed logging operations can result in erosion and sedimentation.

- Conduct preharvest planning to prevent erosion and lower costs.
- Use logging methods and equipment that minimize soil disturbance.
- Plan and design skid trails, yard areas, and truck access roads to minimize stream crossings and avoid disturbing the forest floor.
- Construct stream crossings so that they minimize erosion and physical changes to streams.
- Expedite revegetation of cleared areas.

Uncovered fueling stations allow spills to be washed into storm drains. Cars waiting to be repaired can leak fuel, oil, and other harmful fluids that can be picked up by stormwater.

- Clean up spills immediately and properly dispose of cleanup materials.
- Provide cover over fueling stations and design or retrofit facilities for spill containment.
- Properly maintain fleet vehicles to prevent oil, gas, and other discharges from being washed into local waterbodies.
- Install and maintain oil/water separators.

Appendix C

Make Changes, Be the Solution!

Poster

MAKE CHANGES!
BE THE SOLUTION!

Everything you blow, spray, pour or throw on the ground can get washed down the storm drain – polluting Louisiana's waters

- Recycle oil
- Use less fertilizer and pesticides
- Mulch or bag grass clippings
- Bag pet waste
- Don't litter

DEQ LOUISIANA EPA **Find out more at: WWW.DEQ.LOUISIANA.GOV**

Appendix D

LPB Contracts and Broadcast Schedule

UNDERWRITING AGREEMENT:
Louisiana Public Broadcasting
7733 Perkins Road, Baton Rouge, LA 70810-1199
(225) 767-4466
(225) 767-4421 (FAX)
Jeanne S. Smith, Underwriting Director
jsmith@lpb.org

Louisiana Department of Transportation & Development: FELPB general support during prime time 2010-2011 (Page 1 of 2)

Louisiana Department of Transportation and Development **Sponsoring Company Name:**	Dustin Annison, Public Info. Off. **Contact Name and Title:**
1201 Capital Access Road, Room 301E **Address:**	Baton Rouge, LA 70804-9245 **City, State and Zip**
(225) 379-1702 **Phone Number:**	(225) 379-1863/dustin.annison@la.gov **Fax Number/email:**

Tax ID # 72-6000-755

This document will serve to verify and specify the conditions relating to an agreement between the Foundation for Excellence in Louisiana Public Broadcasting (FELPB) and the Louisiana Department of Transportation & Development for providing general support to programming broadcast on Louisiana Public Broadcasting, (LPB):

General support announcements.

Agreement period: May 31, 2010-May 30, 2011

Promotional Considerations:

Louisiana Department of Transportation & Development will receive the following promotional considerations:

- Twenty, 20, (:30 second) messages supporting DOTD's Storm Water Campaign. Messages will air Sunday through Saturday during prime-time and How-to programming, May 31, 2010 through May 30, 2011.
- Twenty, 20, (:30 second) BONUS messages supporting DOTD's Storm Water Campaign, also airing Sunday through Saturday during prime-time and How-to programming, May 31, 2010 through May 30, 2011.
- Messages should air, four 3-4 per month, May 2010-May 2011.
- One (1) "In Good Company" feature article in LPB Visions magazine.
- Acknowledgement in the underwriter's section of Visions as a general support underwriter.
- Acknowledgement in the underwriter's section of LPB.org.
- Louisiana Department of Transportation & Development website will be linked to LPB.org.

Preemptions:

Due to LPB's commitment to serve the community, dates and times of programs, repeats and underwriter acknowledgments are subject to change or cancellation without notice. When reasonably possible, LPB will reschedule the underwritten program to include applicable underwriter credits.

Louisiana Department of Transportation & Development/FELPB Agreement 2010-2011 cont'd (Page 2 of 2)

Cancellation Option:

The underwriter has the option to cancel this agreement after a minimum of 90 days from the date of the first airing, by providing a minimum of 30 days prior written notice of cancellation. During the 30 day period, LPB may continue to air the credits and the underwriter will be obligated for the contract amounts through the date of termination.

Contract Amount / Payment:

The Louisiana Department of Transportation & Development agrees to pay the sponsorship rate of $1,500 NET for sponsorship package listed on page one of this agreement. Sponsorship will be billed in one payment as follows: $1,500.00 NET in May 2011.The sponsor agrees to remit invoice(s) within 30 days of invoiced date(s).

$1,500.00 NET-May 2011

Total Amount: $1,500.00 NET

Default:

If the underwriter fails to make any payment when due, FELPB may, in addition to other remedies, discontinue airing any or all credits.

No Warranties:

The underwriter is solely responsible for selecting the program(s) it wishes to underwrite, and FELPB makes no warranties, implied or express, regarding such program(s).

By the signatures below, the sponsor and FELPB agree to perform the mutual obligations as outlined above in accordance with all terms and conditions of this sponsorship agreement.

Effective Date: May 17, 20109

End Date: May 30, 2011

Sponsor approval by:

Date: 5/18/10

Witness:

Date: 5/18/10

Foundation for Excellence in LPB approval by:

Date: 06-29-10

Witness:

Date: 6-29-10

TOTAL P.03

UNDERWRITING AGREEMENT:
Louisiana Public Broadcasting
7733 Perkins Road, Baton Rouge, LA 70810-1199
(225) 767-4486
(225) 767-4421 (FAX)
Jeanne S. Smith, Underwriting Director
jsmith@lpb.org

Louisiana Department of Transportation & Development: FELPB general support during prime time 2011-2012 (Page 1 of 2)

Louisiana Department of Transportation and Development **Sponsoring Company Name:**	Dustin Annison, Public Info. Off. **Contact Name and Title:**
1201 Capital Access Road, Room 301E **Address:**	Baton Rouge, LA 70804-9245 **City, State and Zip**
(225) 379-1702 **Phone Number:**	(225) 379-1863/dustin.annison@la.gov **Fax Number/email:**

Tax ID # 72-6000-755

This document will serve to verify and specify the conditions relating to an agreement between the Foundation for Excellence in Louisiana Public Broadcasting (FELPB) and the Louisiana Department of Transportation & Development for providing general support to programming broadcast on Louisiana Public Broadcasting, (LPB):

General-support announcements.

Agreement period: May 31, 2011-May 30, 2012

Promotional Considerations:

Louisiana Department of Transportation & Development will receive the following promotional considerations:

- Twenty, 20, (:30 second) messages supporting DOTD's Storm Water Campaign. Messages will air Sunday through Saturday during prime-time and How-to programming, May 31, 2011 through May 30, 2012.
- Twenty, 20, (:30 second) BONUS messages supporting DOTD's Storm Water Campaign, also airing Sunday through Saturday during prime-time and How-to programming, May 31, 2011 through May 30, 2012.
- Messages should air, four 3-4 per month, May 2011-May 2012.
- One (1) "In Good Company" feature article in LPB Visions magazine.
- Acknowledgement in the underwriter's section of Visions as a general support underwriter.
- Acknowledgement in the underwriter's section of LPB.org.
- Louisiana Department of Transportation & Development website will be linked to LPB.org.

Preemptions:

Due to LPB's commitment to serve the community, dates and times of programs, repeats and underwriter acknowledgments are subject to change or cancellation without notice. When reasonably possible, LPB will reschedule the underwritten program to include applicable underwriter credits.

Louisiana Department of Transportation & Development/FELPB Agreement 2011-2012 cont'd (Page 2 of 2)

Cancellation Option:

The underwriter has the option to cancel this agreement after a minimum of 90 days from the date of the first airing, by providing a minimum of 30 days prior written notice of cancellation. During the 30 day period, LPB may continue to air the credits and the underwriter will be obligated for the contract amounts through the date of termination.

Contract Amount / Payment:

The Louisiana Department of Transportation & Development agrees to pay the sponsorship rate of $1,500 NET for sponsorship package listed on page one of this agreement. Sponsorship will be billed in one payment as follows: $1,500.00 NET in May 2012.The sponsor agrees to remit invoice(s) within 30 days of invoiced date(s).

$1,500.00 NET-May 2012

Total Amount: $1,500.00 NET

Default:

If the underwriter fails to make any payment when due, FELPB may, in addition to other remedies, discontinue airing any or all credits.

No Warranties:

The underwriter is solely responsible for selecting the program(s) it wishes to underwrite, and FELPB makes no warranties, implied or express, regarding such program(s).

By the signatures below, the sponsor and FELPB agree to perform the mutual obligations as outlined above in accordance with all terms and conditions of this sponsorship agreement.

Effective Date: May 23, 2011

End Date: May 30, 2012

Sponsor approval by:

Date: 5/24/11

Witness: A.R. Batista Date: 5/24/11

Foundation for Excellence in LPB approval by:

Date: 06-09-11

Witness: Date: 6/9/11

Report date: 02/15/2012
Report time: 08:39:35
Search Criteria: VIDEO SOURCE: LGS12-15*

Louisiana Public Broadcasting

From: 01/01/2011 To: 12/31/2011

Video Source / Audio Source	CART Tape/Cut	Type	Title / Sub-Title	Length	Available From/To	DAYS	Notes
LGS12-15		GS	GSA: DOTD-LA DEPT OF TRANSP & DEV	00:30:04	06/22/08	SMTWTFS	LUC DV 2006-2007
LGS12-15	0012/15				05/31/12	YYYYYYY	

Sat	01/01/2011	at 10:59:29:26	for 00:00:30:04	0	ATTACHED TO: CHANGE YOUR BRAIN CHANGE YOUR BODY #000$
Mon	01/03/2011	at 21:29:29:26	for 00:00:30:04	0	ATTACHED TO: LINCOLN: PRELUDE TO THE PRESIDENCY #000
Fri	01/07/2011	at 21:29:29:26	for 00:00:30:04	0	ATTACHED TO: ARTIST TOOLBOX #101H
Sat	01/08/2011	at 10:59:29:26	for 00:00:30:04	0	ATTACHED TO: P. ALLEN SMITH'S GARDEN HOME #909H
Fri	01/14/2011	at 21:29:29:26	for 00:00:30:04	0	ATTACHED TO: ARTIST TOOLBOX #102H
Sat	01/15/2011	at 12:59:29:26	for 00:00:30:04	0	ATTACHED TO: AFTER THE HUNT WITH CHEF JOHN FOLSE #111H
Mon	01/17/2011	at 20:59:29:26	for 00:00:30:04	0	ATTACHED TO: AFTER THE WALL - A WORLD UNITED #000H
Sat	01/22/2011	at 15:29:29:26	for 00:00:30:04	0	ATTACHED TO: RICK STEVES' EUROPE #611H
Mon	01/24/2011	at 21:29:29:26	for 00:00:30:04	0	ATTACHED TO: WASHING AWAY: AFTER THE STORMS #000H
Fri	01/28/2011	at 21:29:29:26	for 00:00:30:04	0	ATTACHED TO: ARTIST TOOLBOX #104H
Sat	01/29/2011	at 13:59:29:26	for 00:00:30:04	0	ATTACHED TO: COOK'S COUNTRY FROM AMERICA'S TEST KITCHEN #312H
Mon	01/31/2011	at 19:59:29:26	for 00:00:30:04	0	ATTACHED TO: GREELY EXPEDITION: AMERICAN EXPERIENCE #2305H
Fri	02/04/2011	at 21:59:29:26	for 00:00:30:04	0	ATTACHED TO: SOUNDSTAGE #1701H
Sat	02/05/2011	at 15:29:29:26	for 00:00:30:04	0	ATTACHED TO: RICK STEVES' EUROPE #501H
Wed	02/09/2011	at 19:59:29:26	for 00:00:30:04	0	ATTACHED TO: NOVA #3805#
Sat	02/12/2011	at 13:29:29:26	for 00:00:30:04	0	ATTACHED TO: AMERICA'S TEST KITCHEN FROM COOK'S ILLUSTRATED #1
Mon	02/14/2011	at 18:59:14:19	for 00:00:30:04	0	ATTACHED TO: ANTIQUES ROADSHOW #1507#
Sat	02/19/2011	at 14:59:29:26	for 00:00:30:04	0	ATTACHED TO: EQUITREKKING #507H
Mon	02/21/2011	at 21:59:29:26	for 00:00:30:04	0	ATTACHED TO: PIONEERS OF TELEVISION #102H
Sat	02/26/2011	at 15:59:29:26	for 00:00:30:04	0	ATTACHED TO: NOVA #3806H
Mon	02/28/2011	at 19:59:29:26	for 00:00:30:04	0	ATTACHED TO: TRIANGLE FIRE: AMERICAN EXPERIENCE #2307H
Fri	03/04/2011	at 21:59:29:26	for 00:00:30:04	0	ATTACHED TO: SOUNDSTAGE #1705H
Sat	03/05/2011	at 08:59:13:23	for 00:00:30:04	0	ATTACHED TO: SEWING WITH NANCY #2415H
Fri	03/11/2011	at 19:29:29:09	for 00:00:30:04	0	ATTACHED TO: MCLAUGHLIN GROUP #2911
Sat	03/12/2011	at 19:59:29:26	for 00:00:30:04	0	ATTACHED TO: ROCK, POP AND DOO WOP (MY MUSIC) #000$
Fri	03/18/2011	at 18:59:30:00	for 00:00:30:04	0	ATTACHED TO: LOUISIANA: THE STATE WE'RE IN #3427H
Sat	03/19/2011	at 15:29:29:26	for 00:00:30:04	0	ATTACHED TO: KICKSTART YOUR HEALTH WITH DR. NEAL BARNARD #000$
Mon	03/21/2011	at 21:29:29:26	for 00:00:30:04	0	ATTACHED TO: AMERICAN MASTERS #2401$
Sat	03/26/2011	at 08:59:29:26	for 00:00:30:04	0	ATTACHED TO: AMEN SOLUTION - THINNER, SMARTER, HAPPIER WITH D
Mon	03/28/2011	at 21:59:29:26	for 00:00:30:04	0	ATTACHED TO: NATURE #2810H
Sat	04/02/2011	at 14:59:29:26	for 00:00:30:04	0	ATTACHED TO: EQUITREKKING #510H
Fri	04/08/2011	at 21:29:29:26	for 00:00:30:04	0	ATTACHED TO: ARTIST TOOLBOX #110H
Sat	04/09/2011	at 09:59:29:26	for 00:00:30:04	0	ATTACHED TO: BEAUTY OF OIL PAINTING WITH GARY AND KATHWREN JEN
Fri	04/15/2011	at 19:29:29:14	for 00:00:30:04	0	ATTACHED TO: MCLAUGHLIN GROUP #2916
Sat	04/16/2011	at 14:59:29:26	for 00:00:30:04	0	ATTACHED TO: EQUITREKKING #512H
Wed	04/20/2011	at 18:59:29:26	for 00:00:30:04	0	ATTACHED TO: SECRETS OF THE DEAD #1102#
Sat	04/23/2011	at 10:29:29:26	for 00:00:30:04	0	ATTACHED TO: FOR YOUR HOME #2709H
Wed	04/27/2011	at 20:59:30:05	for 00:00:30:04	0	ATTACHED TO: SECRETS OF THE DEAD #702Z

Fri	04/29/2011	at 20:29:29:26	for 00:00:30:04	0	ATTACHED TO: NEED TO KNOW #151H
Sat	04/30/2011	at 10:59:29:26	for 00:00:30:04	0	ATTACHED TO: P. ALLEN SMITH'S GARDEN HOME #1009H
Mon	05/02/2011	at 19:59:14:17	for 00:00:30:04	0	ATTACHED TO: ROADS TO MEMPHIS: AMERICAN EXPERIENCE #2207#
Sat	05/07/2011	at 10:29:29:26	for 00:00:30:04	0	ATTACHED TO: FOR YOUR HOME #2711H
Mon	05/09/2011	at 19:59:29:15	for 00:00:30:04	0	ATTACHED TO: SOUNDTRACK FOR A REVOLUTION: AMERICAN EXPERIENCE
Sat	05/14/2011	at 10:29:29:26	for 00:00:30:04	0	ATTACHED TO: FOR YOUR HOME #2712H
Mon	05/16/2011	at 19:59:14:19	for 00:00:30:04	0	ATTACHED TO: FREEDOM RIDERS: AMERICAN EXPERIENCE #000#
Sat	05/21/2011	at 10:29:29:26	for 00:00:30:04	0	ATTACHED TO: FOR YOUR HOME #2713H
Mon	05/23/2011	at 19:59:14:19	for 00:00:30:04	0	ATTACHED TO: TRIALS OF J. ROBERT OPPENHEIMER: AMERICAN EXPERIE
Sat	05/28/2011	at 11:59:14:19	for 00:00:30:04	0	ATTACHED TO: THIS OLD HOUSE HOUR #908^
Sun	06/12/2011	at 19:59:29:26	for 00:00:30:04	0	ATTACHED TO: MASTERPIECE CLASSIC #4104(
Sat	06/18/2011	at 10:59:29:26	for 00:00:30:04	0	ATTACHED TO: P. ALLEN SMITH'S GARDEN TO TABLE #101H
Sun	06/19/2011	at 21:29:29:26	for 00:00:30:04	0	ATTACHED TO: DOC MARTIN #101Z
Sat	06/25/2011	at 11:29:29:26	for 00:00:30:04	0	ATTACHED TO: ROUGH CUT - WOODWORKING WITH TOMMY MAC #102H
Thu	06/30/2011	at 19:59:29:26	for 00:00:30:04	0	ATTACHED TO: DOC MARTIN #103Z
Sat	07/02/2011	at 13:59:29:26	for 00:00:30:04	0	ATTACHED TO: CHEF JOHN BESH'S NEW ORLEANS #112H
Sun	07/03/2011	at 21:29:29:26	for 00:00:30:04	0	ATTACHED TO: DOC MARTIN #103Z
Sat	07/09/2011	at 09:59:29:26	for 00:00:30:04	0	ATTACHED TO: ANTIQUES ROADSHOW (UK VERSION) #3101
Thu	07/14/2011	at 20:59:29:26	for 00:00:30:04	0	ATTACHED TO: GARROW'S LAW #101H
Sat	07/16/2011	at 09:59:29:26	for 00:00:30:04	0	ATTACHED TO: ANTIQUES ROADSHOW (UK VERSION) #3102
Thu	07/21/2011	at 18:59:29:26	for 00:00:30:04	0	ATTACHED TO: ANTIQUES ROADSHOW (UK VERSION) #3103
Sat	07/23/2011	at 10:59:29:26	for 00:00:30:04	0	ATTACHED TO: P. ALLEN SMITH'S GARDEN TO TABLE #106H
Thu	07/28/2011	at 19:59:29:26	for 00:00:30:04	0	ATTACHED TO: DOC MARTIN #201Z
Sat	07/30/2011	at 09:59:29:26	for 00:00:30:04	0	ATTACHED TO: ANTIQUES ROADSHOW (UK VERSION) #3104
Thu	08/04/2011	at 18:59:29:26	for 00:00:30:04	0	ATTACHED TO: ANTIQUES ROADSHOW (UK VERSION) #3105
Sat	08/06/2011	at 10:29:29:26	for 00:00:30:04	0	ATTACHED TO: JACK LALANNE'S FOREVER YOUNG #000V
Fri	08/12/2011	at 19:59:29:26	for 00:00:30:04	0	ATTACHED TO: WASHINGTON WEEK #5107%
Thu	08/18/2011	at 23:29:29:26	for 00:00:30:04	0	ATTACHED TO: DOC MARTIN #204A
Sat	08/20/2011	at 14:29:29:26	for 00:00:30:04	0	ATTACHED TO: MOMENTS TO REMEMBER MY MUSIC #204 #000
Sun	08/21/2011	at 23:29:29:26	for 00:00:30:04	0	ATTACHED TO: RAIN: A TRIBUTE TO THE BEATLES #000A
Tue	08/23/2011	at 20:59:29:26	for 00:00:30:04	0	ATTACHED TO: FRONTLINE #2911H
Sat	08/27/2011	at 09:29:13:23	for 00:00:30:04	0	ATTACHED TO: MARTHA'S SEWING ROOM #3308
Tue	08/30/2011	at 21:59:29:26	for 00:00:30:04	0	ATTACHED TO: EARTH: THE OPERATORS' MANUAL #000H
Sat	09/03/2011	at 14:59:29:26	for 00:00:30:04	0	ATTACHED TO: RIDE ALONG THE LINCOLN HIGHWAY #000H
Thu	09/08/2011	at 20:59:29:26	for 00:00:30:04	0	ATTACHED TO: MASTERPIECE CLASSIC #4113H
Sat	09/10/2011	at 15:59:29:26	for 00:00:30:04	0	ATTACHED TO: GLOBE TREKKER #1010
Sun	09/11/2011	at 20:29:29:26	for 00:00:30:04	0	ATTACHED TO: GREAT PERFORMANCES #3610H
Sat	09/17/2011	at 15:59:29:26	for 00:00:30:04	0	ATTACHED TO: GLOBE TREKKER #1011
Tue	09/20/2011	at 20:59:29:26	for 00:00:30:04	0	ATTACHED TO: FRONTLINE #2812
Sat	09/24/2011	at 10:59:29:26	for 00:00:30:04	0	ATTACHED TO: P. ALLEN SMITH'S GARDEN TO TABLE #112H
Sun	09/25/2011	at 18:59:29:26	for 00:00:30:04	0	ATTACHED TO: NATURE #2810H
Sat	10/01/2011	at 14:59:29:26	for 00:00:30:04	0	ATTACHED TO: AT HOME WITH THE GEORGIANS #103Z
Sun	10/02/2011	at 18:59:14:24	for 00:00:30:04	0	ATTACHED TO: PROHIBITION #101H
Sat	10/08/2011	at 09:59:29:26	for 00:00:30:04	0	ATTACHED TO: ANTIQUES ROADSHOW (UK VERSION) #3112

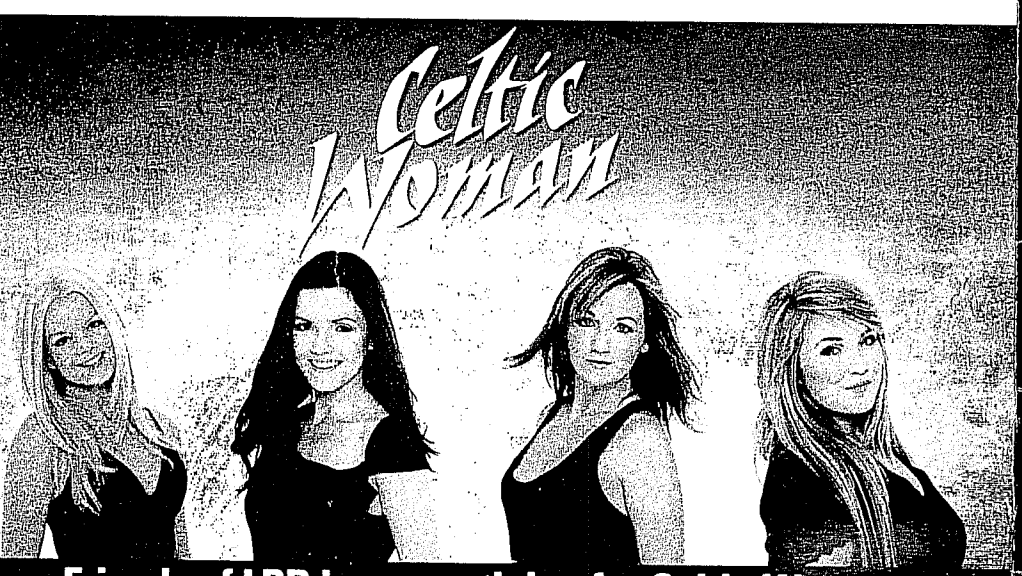
Sat	10/08/2011	at	21:59:29:26	for 00:00:30:04	0	ATTACHED TO: MI5 #106Z
Tue	10/11/2011	at	18:59:29:26	for 00:00:30:04	0	ATTACHED TO: HISTORY DETECTIVES #912#
Sat	10/15/2011	at	13:29:29:26	for 00:00:30:04	0	ATTACHED TO: COOK'S COUNTRY FROM AMERICA'S TEST KITCHEN #406H
Tue	10/18/2011	at	21:59:29:26	for 00:00:30:04	0	ATTACHED TO: WOMEN, WAR & PEACE #102H
Sat	10/22/2011	at	11:29:29:26	for 00:00:30:04	0	ATTACHED TO: ROUGH CUT - WOODWORKING WITH TOMMY MAC #203H
Sun	10/23/2011	at	19:59:29:26	for 00:00:30:04	0	ATTACHED TO: MASTERPIECE MYSTERY! #4126#
Sat	10/29/2011	at	14:59:29:26	for 00:00:30:04	0	ATTACHED TO: NATURE #2708H
Tue	11/01/2011	at	18:59:29:26	for 00:00:30:04	0	ATTACHED TO: SECRETS OF THE DEAD #1104#
Sat	11/05/2011	at	15:59:29:26	for 00:00:30:04	0	ATTACHED TO: GLOBE TREKKER #1018
Sun	11/06/2011	at	18:59:29:26	for 00:00:30:04	0	ATTACHED TO: AMERICA IN PRIMETIME #102H
Sat	11/12/2011	at	14:29:29:26	for 00:00:30:04	0	ATTACHED TO: CUISINE CULTURE #106H
Tue	11/15/2011	at	18:59:14:24	for 00:00:30:04	0	ATTACHED TO: LOUISIANA LEGENDS #2011
Sat	11/19/2011	at	15:59:29:26	for 00:00:30:04	0	ATTACHED TO: GLOBE TREKKER #1021
Tue	11/22/2011	at	20:59:29:26	for 00:00:30:04	0	ATTACHED TO: FRONTLINE #3004H
Sat	11/26/2011	at	15:59:29:26	for 00:00:30:04	0	ATTACHED TO: GLOBE TREKKER #1022
Sat	12/03/2011	at	15:59:29:26	for 00:00:30:04	0	ATTACHED TO: 60S POP, ROCK & SOUL (MY MUSIC) #000
Tue	12/06/2011	at	19:59:29:26	for 00:00:30:04	0	ATTACHED TO: GREAT PERFORMANCES #3505$
Sat	12/10/2011	at	08:59:29:26	for 00:00:30:04	0	ATTACHED TO: ROAD TO PERFECT HEALTH WITH BRENDA WATSON #000
Sun	12/11/2011	at	19:59:29:26	for 00:00:30:04	0	ATTACHED TO: CELTIC WOMAN - BELIEVE #000A
Sat	12/17/2011	at	10:29:29:26	for 00:00:30:04	0	ATTACHED TO: 3 STEPS TO INCREDIBLE HEALTH! WITH JOEL FUHRMAN,
Sun	12/18/2011	at	19:59:29:26	for 00:00:30:04	0	ATTACHED TO: OLE WAR SKULE: STORIES OF LSU FOOTBALL - CLIP SHO
Tue	12/20/2011	at	20:59:29:26	for 00:00:30:04	0	ATTACHED TO: FRONTLINE #1610^
Sat	12/24/2011	at	14:59:29:26	for 00:00:30:04	0	ATTACHED TO: LIDIA CELEBRATES AMERICA #101H
Thu	12/29/2011	at	19:59:29:26	for 00:00:30:04	0	ATTACHED TO: DOC MARTIN #404Z

This item appeared 106 times between 01/01/2011 and 12/31/2011.

Appendix E

LPB Article

VISIONS
Published monthly by
Friends of Louisiana
Public Broadcasting



Friends of LPB has your ticket for Celtic Woman

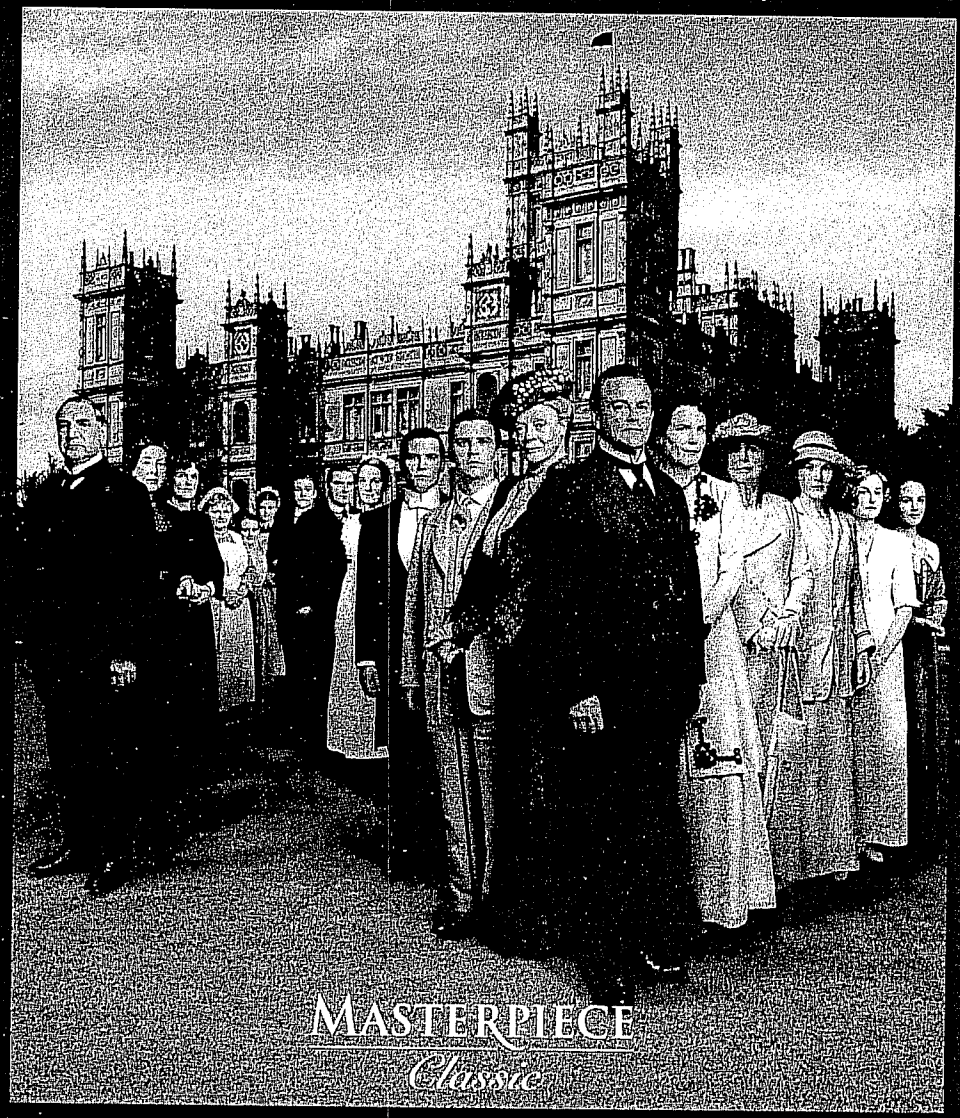
Your contributions to LPB can get you great seats for
Celtic Woman in Concert

February 14 at the Mahalia Jackson Theatre in New Orleans
May 14 at the CenturyTel Arena in Bossier City

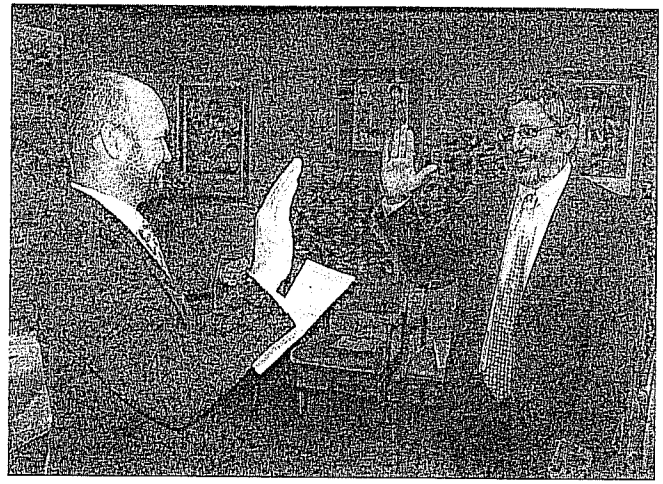
For more information call 1-800-272-8161, ext. 4214
or
Visit the LPB website at lpb.org/boxoffice

VISIONS

FOR FRIENDS OF LPB • JAN. 2011
VOLUME 35, ISSUE 1



DOWNTON ABBEY



New LETA Board Member Tony Keck (right) is sworn in by William Crawford from the Secretary of State's Office.

Congratulations to Southern University sophomore Kayla Tate of Baton Rouge, the recipient of the 2010 Louisiana Public Broadcasting Mass Communication Scholarship. Kayla has a 3.0 average in Mass Communications at Southern with an emphasis on broadcasting.

Pictured Left to right: LPB Deputy Director Steve Graziano, scholarship recipient Kayla Tate and Friends of LPB Board member and Southern University Alumni Affairs Director Robyn Merrick.

STUDENTS HAVE A CHANCE TO RELIVE THE FREEDOM RIDERS TRIP THROUGH THE SOUTH IN MAY

Fifty years after the 1961 Freedom Rides, AMERICAN EXPERIENCE invites college students to "Get on the Bus." The Freedom Riders were civil rights activists who set out to challenge the Jim Crow Laws of the South. The first Freedom Riders bus left Washington on May 4, 1961 and was scheduled to arrive in New Orleans on May 17th. Along the way, they were attacked, arrested, and their buses were burned. The public outcry over their treatment led to the repeal of numerous laws.

Now 50 years after the 1961 Freedom Rides, AMERICAN EXPERIENCE invites college students to "Get on the Bus." As part of the outreach efforts for the premiere of *Freedom Riders* on AMERICAN EEXPERIENCE in May 2011, 40 college students will join original Freedom Riders to retrace the 1961 Rides. Accepted students who participate in this journey from Washington, DC to Jackson, Mississippi will share the experience with college students from across the country as well as civil rights pioneers. This is once-in-a-lifetime opportunity to experience history, rather than read about it. Accepted students will have all expenses paid, including airfare. Apply today to join the journey! Learn more at www.pbs.org/freedomriders.

THE LOUISIANA DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT UNDERWRITES PROGRAMMING ON LPB.

BEWARE OF STORMWATER RUNOFF.

Stormwater runoff occurs when water generated during precipitation events flows over land rather than being absorbed into the soil. The runoff is collected and transported either in natural conveyance systems, such as ditches, or a manmade underground system of catch basins and pipes commonly referred to as a storm sewer system. This runoff is then discharged into nearby surface waters.

Why is stormwater runoff a concern? As runoff flows, it accumulates pollutants. Unlike other processed waters, stormwater runoff doesn't have a mechanism for treatment prior to release. In short, untreated polluted water is deposited into area water bodies.

Polluted stormwater runoff can have many consequences including the contamination of drinking water supplies, recreational use restrictions, and aquatic habitat disruption. In response to diminishing water quality, DEQ has the responsibility to regulate stormwater discharges from specific sectors of industry. As a permitted entity, DOTD maintains several stormwater permits for its construction projects, facilities, and its highway drainage systems.

All polluted runoff, however, is not caused by industry. In recognizing this, DOTD has established a public education component in its stormwater program by dedicating a page on its website to serve as an information resource. Here, one can obtain facts on sources and strategies that can be implemented to reduce impacts as well as report violations. Through a cooperative effort between industry and the public, we can ultimately improve the quality of Louisiana's waters. For more information, please visit http://www.dotd.la.gov.

THE TUNICA BILOXI TRIBE OF LOUISIANA IS A LONGTIME SUPPORTER OF LPB

Paragon Casino Resort, the Pearl of Louisiana, features an impressive lineup of amenities and attractions including a newly renovated hotel tower, Spa La Vie – a full-service spa and salon, eighteen hole golf course, indoor tropical pool with swim-up bar, a soaring retail atrium with "living" bayou, five restaurants, gift shops and three movie theatres. Additionally, Paragon features a 59,754-square-foot gaming floor offering approximately 2,200 slot machines with Las Vegas odds, 46 table games, including Craps, Blackjack, Roulette and various poker games. Other attractions include a 531-room hotel, a full-service RV resort and the newly renovated Kids Quest child care activity center. The Earl J. Barbry, Sr. Convention Center is made up of the Mari Showroom and Paragon Ballroom, which can subdivided into three additional ballrooms.

Paragon has invested three million dollars in this renovation of their oldest room facility, the South Tower. The first and third floor renovations were completed in December, and the remaining second floor renovations will start after the New Year, opening in time to welcome Mardi Gras revelers in March.

The Mari Showroom has several exciting shows lined up for 2011, including Geno Delafose's zydeco band (1/8), Creedance Clearwater Revisited (1/15), Tommy Cash (1/22), Wayne Toups & Zydecajun (2/5), Vince Gill (2/11) and Lynyrd Skynyrd (3/11).

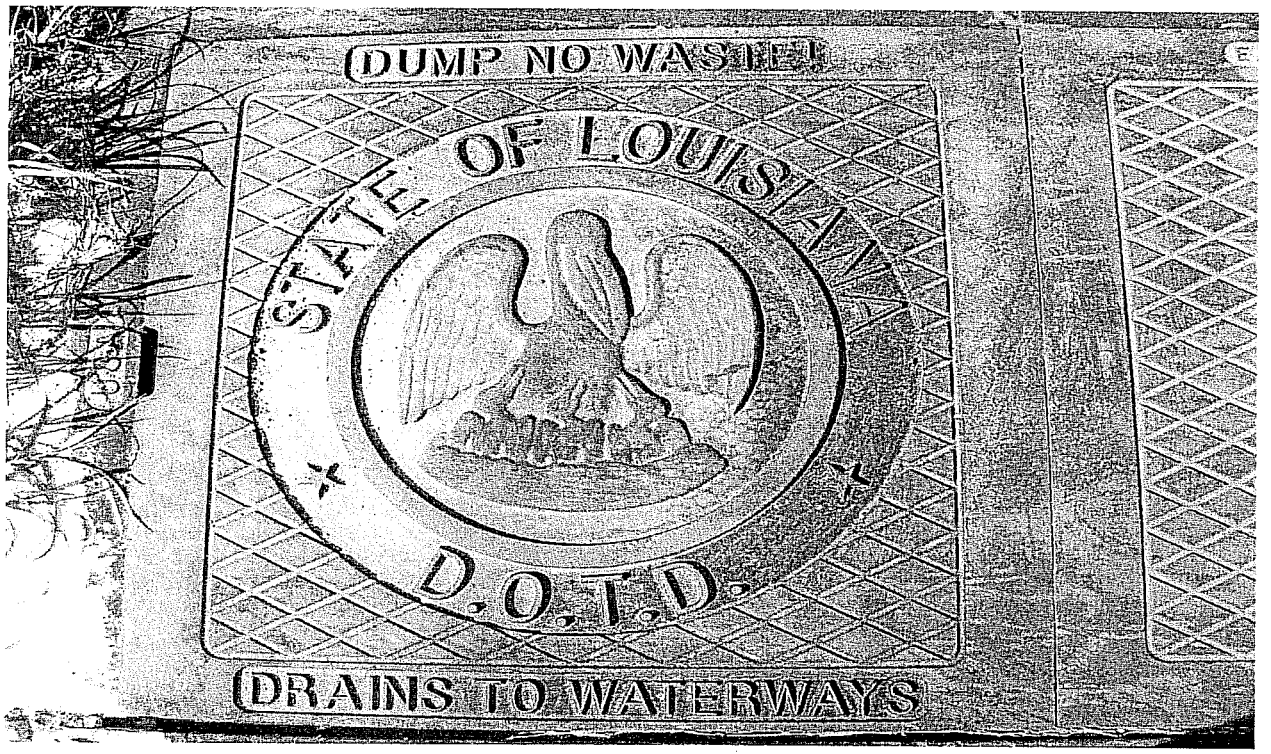
In May, the Tunica-Biloxi Tribe of Louisiana and Paragon Casino Resort will host the 16th Pow Wow celebration, when Native American dancers and artisans from across the nation gather in Marksville for the annual, cultural celebration.

For more information, please visit www.paragoncasinoresort.com.

Paragon
CASINO RESORT
THE PEARL OF LOUISIANA

Appendix F

Catch Basin Cover Photograph


DUMP NO WASTE!
STATE OF LOUISIANA
D.O.T.D.
DRAINS TO WATERWAYS


DUMP NO WASTE!
STATE OF LOUISIANA
D.O.T.D.
DRAINS TO WATERWAYS
DUMP NO WASTE! DRAINS TO WATERWAYS

Appendix G

Meeting Attendance Rosters

MEETING SIGN-IN SHEET

Project: MS4 Mapping	**Meeting Date:** July 18, 2011
Facilitator: Alberetta Batiste	**Place/Room:** MatLab-Room 202

Name	Title	Company	Phone	Fax	E-Mail
Janaye Tate	EIS Manager 1	DOTD	22-154		janaye.tate@la.gov
Joubert Harris	Env. Mgr.	LA DOTD	248-4141	248-4187	Joubert.Harris@la.gov
John Holdcraft	Env. Supt. (DCL)	LA DOTD	248-4142	2484204	John.Holdcraft@la.gov
Alberetta Batiste	EIS	DOTD	22-178	248-4204	alberetta.batiste@la.gov

MEETING SIGN-IN SHEET

Project:	MS4 Implementation Schedule	**Meeting Date:**	October 13, 2011
Facilitator:		**Place/Room:**	EEU Conference Room

Name	Title	Company	Phone	Fax	E-Mail
Janaye D Tate	Manager 1	LA DOTD	248-4156		janaye.tate@la.gov
John D Holdcraft	DCL	LA DOTD	248-4142		John.Holdcraft@LA.gov
AR Batiste	EIS III	DOTD	248-4178		gilbereth.batiste@la.gov

MEETING SIGN-IN SHEET

Project: MS4-Public Education (Social Media)

Meeting Date: October 28, 201 1

Facilitator:

Place/Room: Classroom

Name	Title	Company	Phone	Fax	E-Mail
Janaye W Tate	Manager I	LA DOTD	248-4156		Janaye.tate@la.gov
John D. Holdcraft	DCL	LA DOTD	248-4142		John.Holdcraft@la.gov
Al Batista	EFS III	DOTD	248-4178		alberetha.batista@la.gov

MEETING SIGN-IN SHEET

Project: MS4 Implementation Schedule	**Meeting Date:** December 5, 2011
Facilitator:	**Place/Room:** EEU Conference Room

Name	Title	Company	Phone	Fax	E-Mail
John D. Hollcraft	DEC	LA-DOTD	248-4142		john.Hollcraft@la.gov
Janaye D Tate	Manager I	LA DOTD	248-4156		janaye.tate@la.gov
Al Batiste	EIS III	DOTD	248-4178		al berth. batiste@la.gov

Appendix H

Public Records Request Form

Louisiana Department of Transportation and Development
PUBLIC RECORDS REQUEST FORM

http://www.dotd.la.gov

Date:___/___/___

STEP 1: **COMPLETE** all information in the fields provided. **Please TYPE** or **PRINT**. If you have questions, please call the Customer Information Line, toll-free at (866) 590-0065 or locally at (225) 242-4656. You may also, e-mail any questions to dotdpublicrecords@la.gov

STEP 2: **SUBMIT** completed form to Custodian of Records, 3rd Floor, DOTD, P.O. BOX 94245, Baton Rouge, LA 70804-9245. **DO NOT ATTACH PAYMENT WITH THIS FORM. DO NOT E-MAIL OR FAX THIS FORM, IT MUST BE MAILED.**

STEP 3: **WAIT** to receive a notice of estimated cost. Once received, send payment. Copies will be mailed upon receipt of payment or copies can be picked-up with payment. If 10 (ten) working days pass after notice is sent and payment is not received, it will be necessary to initiate a new request.

Requestor Information Please Type or Print

First | Last | Middle

Organization/Company

Mailing Address

City /State /Zip

Telephone ( ) - , Fax ( ) -

Email Address:

Payment Method & Authorization

CHECK OR MONEY ORDER ONLY.

Duplication Fees

Regular rate:	$0.25 per page (8½X11 & 8½X14)
Spec Sheets:	$0.50 per page (11X17)
Plan sheets:	$1.10 per page (24X36)
CDs or Disks:	$5 per disk + $25 per hour data processing fee

*Research may require additional fees

Requestor Information (Please Type or Print)

To expedite your request, be as specific as possible. Attach additional pages to the form as necessary. Include street address of the facility, the document dates, and other details about the type of record of interest to you. If you are requesting construction records, please include the state project number if it is known.

Delivery Information (Check Appropriate Box)

☐ Segregate records for in-person review. To view the records on a particular date, please list it here: __/____/____. You will be notified when the records are ready for review.

☐ Make copies for me to pick-up in person. Cost of copies shall be paid upon arrival by check or money order made payable to the Department of Transportation & Development.

☐ Make copies and mail them to me. Cost of copies and postage shall be paid in advance by check or money order payable to Department of Transportation & Development

* Due to the large volume of some state projects records, it may be necessary for the custodian to take additional time to accumulate the info from all sections. In this case, it is required that the requesting party view the records to be duplicated.

Appendix I

Construction Inspection Forms

STORM WATER POLLUTION PREVENTION PLAN
Inspection and Maintenance Report Form

Erosion Control Measures

To be completed every 7 days and within 24 hours of a rainfall event of 0.5 inches or more

nspector _____ Date _____

S.P. No. _____ FAP No. _____

Contractor _____ Route _____

Days Since Last Rainfall: _____ Amount of Last Rainfall _____ inches

Station No.	Lt./Rt.	Type	Does Silt Need Removal ?	Is Erosion Item Stable ?	Is There Evidence Of Washout or Over-Topping ?	Condition & Comments on Effectiveness

Maintenance required for Erosion Control Measures:

o be performed by: _____ On or Before: _____

ypes of Measures:

- Silt Fence
- Hay/Straw Bales
- Hay Check Dam
- Stone Check Dam
- E - Sediment Basin
- F - Slope Drain
- G- TemporarySeeding
- H - None, But Stabilization Measure Required
- I - Matting
- J - Other

Louisiana Department of Transportation and Development
Storm water Construction Site Inspection Report

General Information			
Project Name			
Permit Number		Location	
Date of Inspection		Start/End Time	
Inspector's Name			
Inspector's Title			
Inspector's Contact Information			
Describe present phase of construction			
Type of Inspection ☐ Regular ☐ Pre-storm event ☐ During storm event ☐ Post-storm event ☐ Other			
Weather at time of inspection?			

Records			
NOI available, if applicable? ☐Yes ☐No	Permit available? ☐Yes ☐No	Current SWPPP? ☐Yes ☐No	Current site map? ☐Yes ☐No
Are the self inspections current? ☐Yes ☐No	Date of last self inspection:		
Corrective action log available? ☐Yes ☐No			

Site Specific BMPs				
	BMP Description	BMP Installed & Operating Properly?	Corrective Action Needed	Proposed date for corrective action & responsible person
1		☐Yes ☐No		
2		☐Yes ☐No		
3		☐Yes ☐No		
4		☐Yes ☐No		
5		☐Yes ☐No		
6		☐Yes ☐No		
7		☐Yes ☐No		
8		☐Yes ☐No		
9		☐Yes ☐No		
10		☐Yes ☐No		
11		☐Yes ☐No		
12		☐Yes ☐No		
13		☐Yes ☐No		

Overall Site Features					
	BMP/activity	Implemented?	Maintained?	Corrective action Needed	Proposed date for corrective action & responsible person
1	Are all slopes & disturbed areas not actively being worked properly stabilized?	❑Yes ❑No	❑Yes ❑No		
2	Are natural resource areas (e.g., streams, wetlands, mature trees, etc.) protected with barriers or similar BMPs?	❑Yes ❑No	❑Yes ❑No		
3	Are perimeter controls & sediment barriers adequately installed and maintained?	❑Yes ❑No	❑Yes ❑No		
4	Are discharge points and receiving waters free of sediment deposits?	❑Yes ❑No	❑Yes ❑No		
5	Are storm drain inlets properly protected?	❑Yes ❑No	❑Yes ❑No		
6	Is there evidence of sediment being tracked into the street?	❑Yes ❑No	❑Yes ❑No		
7	Is trash/litter from work areas collected and placed in covered dumpsters?	❑Yes ❑No	❑Yes ❑No		
8	Are washout facilities (e.g., paint, stucco, concrete) available, clearly marked, and maintained?	❑Yes ❑No	❑Yes ❑No		
9	Are vehicle & equipment fueling, cleaning, and maintenance areas free of spills, leaks, or any other deleterious material?	❑Yes ❑No	❑Yes ❑No		
10	Are materials that are potential stormwater contaminants stored inside or under cover?	❑Yes ❑No	❑Yes ❑No		
11	Are non-stormwater discharges (e.g., wash water, dewatering) properly controlled?	❑Yes ❑No	❑Yes ❑No		
12	Are there any discharges at time of inspection?	❑Yes ❑No	❑Yes ❑No		
13		❑Yes ❑No	❑Yes ❑No		
14		❑Yes ❑No	❑Yes ❑No		
15		❑Yes ❑No	❑Yes ❑No		

Notes

Inspector Certification	
Print Name:	
Signature:	
Date:	

Appendix J

Course Descriptions

COURSE NUMBER

FHWA-NHI-142054

Updated

COURSE TITLE

Design and Implementation of Erosion and Sediment Control

This training is the result of a joint effort between the Federal Highway Administration (FHWA) and the U.S. Environmental Protection Agency (EPA), and reflects the agencies' commitment to providing education and training on planning, design, implementation, enforcement, inspection, and maintenance strategies to control erosion and sediment on highway construction projects. The agencies also are committed to ensuring that regulatory issues are addressed accurately and uniformly. Each discipline involved in a highway construction project has a different set of priorities. Reflecting the National Highway Institute's (NHI) commitment to learner-centered training, the course offers participants opportunities for discussion and joint problem solving, enabling participants to gain information about the roles and responsibilities of other team members.

OUTCOMES

Upon completion of the course, participants will be able to:

- Describe the components of an erosion and sediment control (ESC) plan
- List the sources of information for the ESC plan
- Identify management practices and related measures that are appropriate for typical situations and for a case example
- List typical construction and inspection problems. Describe both suitable prevention strategies and remedies for failures
- Link Federal and State environmental regulations to the components of the ESC plan

TARGET AUDIENCE

The training targets Federal, State, and local highway design, construction, inspection, and maintenance staff. In addition, environmental agency representatives, as well as consultants and members of the construction industry, are encouraged to attend to provide their perspectives, learn each other's responsibilities, and explore an array of options to control erosion and sedimentation.

TRAINING LEVEL: Intermediate

FEE: 2012: $400 Per Person; 2013: N/A

LENGTH: 2 DAYS (CEU: 1.2 UNITS)

CLASS SIZE: MINIMUM: 20; MAXIMUM: 30

NHI Training Information: (703) 235-0534 • nhitraining@dot.gov

Subject Matter Expert: Marcel Tchaou • 202-366-4196 • marcel.tchaou@dot.gov

Subject Matter Expert: Susan Jones • 202-493-2139 • susan.jones@dot.gov

NHI Training Program Manager: Mila Plosky • (703) 235-0527 • mila.plosky@fhwa.dot.gov

Course Number

FHWA-NHI-135027

Course Title

Urban Drainage Design (3-Day)

This course provides a detailed introduction to urban roadway drainage design. Design guidance for solving basic problems encountered in urban roadway drainage design is provided. The topics are hydrology including rational equation, soil conservation method, regression equations, and synthetic hydrographs; and highway drainage including gutter flow, roadway inlet interception, storm drain systems, energy and hydraulic grade lines, detention ponds, and stormwater management.

The 4-day course includes the basic 3-day course, plus presentation of the 1-day course FHWA-NHI-135028 Stormwater Pump Station Design.

Outcomes

Upon completion of the course, participants will be able to:

- Determine runoff (peak flows and volumes) from urban watersheds
- Apply basic hydraulic principles to urban drainage design
- Perform roadway drainage designs using various roadway inlets
- Size and/or analyze storm drain conveyance systems
- Establish the energy and hydraulic grade lines for storm drains
- Design and/or analyze detention basins
- Perform hydraulic design of pumping stations (with optional day four)

Target Audience

Highway designers with limited experience in drainage design, but familiar with mathematical concepts such as algebra and geometry and have some working background in hydrology and hydraulics.

Training Level: Intermediate

Fee: 2012: $720 Per Person; 2013: N/A

Length: 3 DAYS (CEU: 1.8 UNITS)

Class Size: MINIMUM: 20; MAXIMUM: 30

NHI Training Information: (703) 235-0534 • nhitraining@dot.gov

Subject Matter Expert: Dan Ghere • (708) 283-3557 • dan.ghere@dot.gov

NHI Training Program Manager: Louisa Ward • (703) 235-0523 • louisa.ward@dot.gov

Course Number

FHWA-NHI-135056

Course Title

Culvert Design

The National Highway Institute (NHI) course Culvert Design is a three-day course intended to provide in-depth, hands-on understanding of how to hydraulically size and design a highway culvert. The course covers a wide range of design topics including allowable headwater at the inlet, permissible outlet velocity, energy dissipation measures, aquatic organism passage, mechanisms of culvert failures, and repair and rehabilitation options.

Material for this 3-day course is primarily derived from Hydraulic Design Series No. 5 (HDS 5), Hydraulic Design of Highway Culverts, which is provided to participants as part of the course. Additional references utilized throughout this course include the following: Hydraulic Engineering Circular No. 14 (HEC-14), Hydraulic Design of Energy Dissipators for Culverts and Channels; HEC-26, Culvert Design for Aquatic Organism Passage; and HEC-9, Debris Control Structures, Evaluation and Countermeasures. The course begins with a review of a wide range of design considerations and basic hydraulics concepts. The course then covers culvert design principles and procedures, as well as several specialized topics including aquatic organism passage design, culvert repair and rehabilitation, energy dissipators, debris control structures and culvert failures. Throughout the course, participants engage in a number of workshops where problems are completed, both long-hand and with a computer using the FHWA HY-8 Culvert Hydraulic Analysis and Design Program. Additionally, a portable hydraulic flume is set up in the classroom for the participants to observe hydraulic principles associated with various culvert configurations, aquatic organism passage features, and culvert linings.

At the end of this course, participants will be able to apply fundamental engineering concepts, methods, and the HY-8 computer program to analyze and design culvert crossings meeting a variety of hydraulic and environmental design criteria.

Outcomes

Upon completion of the course, participants will be able to:

- Justify the importance of culvert design.
- Explain the overall culvert design process.
- Summarize basic hydraulic concepts.
- Discuss factors influencing hydraulic performance and design of culverts.
- Explain how to calculate culvert outlet velocity.
- Apply nomographs andcomputer methods to design a roadway culvert.
- Design culverts that meet aquatic organism passage (AOP) requirements.
- Assess impacts of repair and rehabilitation of culverts on hydraulic performance.
- Design energy dissipater and debris control structures for culverts.
- Design culverts for various situations.
- Discuss culvert failures and how they can be prevented.

Target Audience

This intermediate-level training course is intended for hydraulic engineers, transportation engineers, and highway designers involved with roadway drainage and culvert design. Environmental scientists with interest in aquatic organism passage may also benefit from participation in this course.

TRAINING LEVEL: Intermediate

FEE: 2012: $720 Per Person; 2013: N/A

LENGTH: 3 DAYS (CEU: 1.8 UNITS)

CLASS SIZE: MINIMUM: 20; MAXIMUM: 30

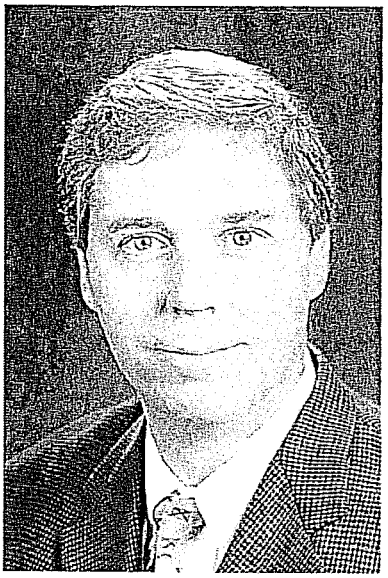
NHI Training Information: (703) 235-0534 • nhitraining@dot.gov

Subject Matter Expert: Eric Brown • (410) 962-3743 • eric.brown@dot.gov

NHI Training Program Manager: Louisa Ward • (703) 235-0523 • louisa.ward@dot.gov

SEMINAR

Transport, Toxicity and Treatability of Transportation Land Use Rainfall-Runoff



John Sansalone, P.E., Ph.D.

Date: 04 November 2011
Time: 10:00 to 12:00 CST
Location: Room 175, TTEC Building, 4099 Gourrier Ave., Baton Rouge, LA 70808

With a century of technological and operational advances for centralized wastewater treatment, rainfall-runoff has become the leading contributor of water body impairments in the United States. For Phase I NPDES communities, the highly unsteady and transient runoff discharges from linearly-extended transportation systems deliver annual loads of nutrients, metals, PM and chemical oxygen demand (COD) that are equal to or greater than untreated wastewater from the same community. Runoff control from transportation systems is significantly more challenging than centralized wastewater treatment for at-grade treatment by unit operations and processes (UOPs). Furthermore, when such systems cross land-water interfaces, common in Louisiana, current structural treatment systems for runoff deployed as "best management practices" (BMPs) may not be viable; economically or as context-sensitive solutions within highway systems.

The overall objective of this study is to provide knowledge on the event-based and intra-event transport and treatability rainfall-runoff discharged to receiving waters in Louisiana. The primary watershed utilized in this project is the I-10 Bridge over City Park Lake in Baton Rouge. Mechanistic tools included field data collection, analytical water chemistry, hydrologic measurements, computational fluid dynamics (CFD) and continuous simulation analysis. Treatment mechanisms examined included volumetric clarification (sedimentation), size exclusion, filtration, coagulation/flocculation and adsorption. Treatment systems examined included clarification basins, axial-, radial-, buoyant-, volumetric- and adsorptive-filters, permeable pavement and hydrodynamic separation (HS). Treatment effectiveness ranged from nominal ($\leq 10\%$) to significant ($\geq 90\%$) based on effluent load. However, a commensurate challenge with these systems is operation and maintenance given the linearly-extensive nature of highway systems. Project results illustrate that lack of frequent maintenance is the Achilles Heel of structural BMPs, low impact development (LID) and green infrastructure. Results are extended beyond the Baton Rouge watershed to Gulf Coast municipalities in comparing BMP and near-source control maintenance operations. Results illustrate that maintenance operations such as pavement cleaning, a well-developed albeit low-profile operation in the transportation and municipal communities generate load reduction at a significantly lower cost.

Whether roadways are at-grade or elevated, linearly-extended infrastructure requires linearly-extended management for rainfall-runoff and constituent loads. Control technologies such as well-maintained and engineered UOPs will continue to be required and tools such as CFD and continuous simulation are now the state of the practice. Utilizing infrastructure as passive treatment, for example with cementitious permeable pavement or porous friction courses (PFCs) represent linearly-extended sustainable solutions. Additionally, pavement cleaning has load recovery costs that are an order of magnitude lower than BMPs such as a screened HS.

LOUISIANA

URBAN STORMWATER COALITION

Building Your Stormwater Management Plan

A Hands On Experience

Conducted by The Louisiana Urban Stormwater Coalition

In Conjunction with

EPA Region Six and The Louisiana Department of Environmental Quality

December 12 and 13, 2011

At The Louisiana Transportation Research Center

4099 Gourrier Lane

Baton Rouge, Louisiana

December 12th

8:00	Registration and Coffee
8:30	Introductions and Welcome
9:00	Building your Public Education Plan As a Group
10:30	Break
10:45	Building your Public Involvement Plan
12:15	Lunch
1:15	Break Outs: Building the Illicit Discharge Detection Plan
3:00	Break
3:15	Building the Municipal Pollution Prevention Plan
5:00	Close for day

December 13th

8:00	Coffee
8:30	Building the Construction Stormwater Management Plan
10:30	Break
10:45	Building the Post-Construction Stormwater Management Plan
12:15	Lunch
1:15	Tying it all together into a plan
3:15	Break
3:30	Updates and Ordinances
4:45	Wrap-up
5:00	Close

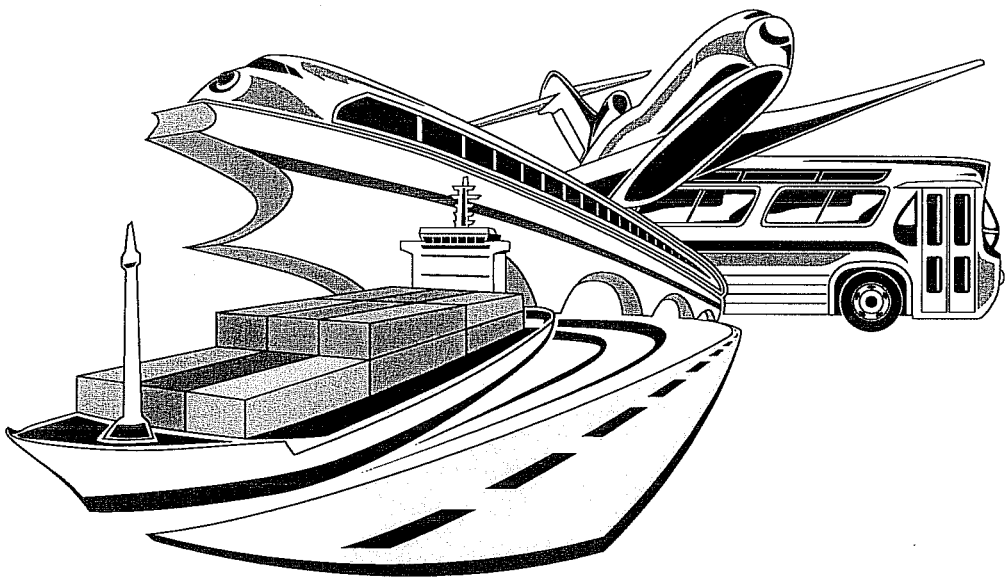
Appendix K

Louisiana Transportation Conference

Agenda & Abstracts

Louisiana Transportation Conference

2011



Transportation: A Key to a Sustainable Future

January 9-12

River Center, Baton Rouge

www.ltrc.lsu.edu/ltc_11

PROGRAM AT-A-GLANCE

Sessions pertaining to the conference theme are marked with a 

Sunday, January 9

2:00 p.m.–5:00 p.m.
Conference Registration, *Belle of Baton Rouge East & West Baton Rouge Rooms*

4:30 p.m.–5:30 p.m.
Ethics Session, *Belle of Baton Rouge Iberville Rooms A, B, & C*

Monday, January 10

7:00 a.m.–5:00 p.m.
Conference Registration, *River Center Riverview Room*

7:30 a.m.–8:30 a.m.
Breakfast, *River Center Galleria*

9:00 a.m.–11:30 a.m.
General Session, *River Center Theater*

11:00 a.m.–1:00 p.m. | Lunch (on your own)

1:00 p.m.–2:45 p.m.
Concurrent Sessions, *River Center*

1: Geotech I (Meeting Room 1)

2: Geotechnical and Pavement Research (Meeting Room 2)

3: Highway Safety Programs and Initiatives (Meeting Room 3)

4: Environment: What's New (Meeting Room 4)

5: ITS/Operations Regional (Meeting Room 5)

6: Bridge Design (Meeting Room 6)

7: System Preservation (Meeting Room 7)

8: Concrete Thinking for a Sustainable World (Meeting Room 8)

9: Asset and Project Management (Theater)

2:45 p.m.–3:15 p.m. | Break

3:15 p.m.–5:00 p.m.
Concurrent Sessions, *River Center*

10: Minimum Standards for Surveyors (Workshop) (Meeting Room 1)

11: Materials (Meeting Room 2)

12: Tort Liability (Meeting Room 3)

13: Public Works (Meeting Room 4)

14: ITS/Operations Statewide (Meeting Room 5)

15: Movable Bridges (Meeting Room 6)

16: Asset Management Systems (Meeting Room 7)

17: Concrete Thinking for a Sustainable World-Pavement (Meeting Room 8)

18: Financing DOTD, Performance Management, Strategic and Ops Plan (Theater)

5:00 p.m.–9:00 p.m.
Industry Exhibits/Reception, *River Center Exhibition Hall*

Tuesday, January 11

7:00 a.m.–5:00 p.m.
Conference Registration, *River Center Riverview Room*

7:00 a.m.–8:30 a.m.
Breakfast, *River Center Exhibition Hall*

7:00 a.m.–3:15 p.m.
Industry Exhibits, *River Center Exhibition Hall*

8:00 a.m.–9:45 a.m.
Concurrent Sessions, *River Center*

19: Agile Assets (Meeting Room 1)

20: Highway Pipe (Meeting Room 2)

21: Highway Safety Data and Information Systems (Meeting Room 3)

22: Senior Design Projects (Meeting Room 4)

23: Multi-Hazard Design/Extreme Event Design (Meeting Room 5)

24: Asphalt Construction I (Meeting Rooms 6 & 7)

25: Sustainability and Transportation (Meeting Room 8)

26: Design-Build (Theater)

**Equipment Presentation 1 (Equipment Showroom, 8:00-9:00 a.m.)*
Cardno: Subsurface Utility Engineering

9:45 a.m.–4:00 p.m.
Tabletop Displays, *River Center Riverview Lobby*

9:45 a.m.–10:15 a.m. | Break

10:15 a.m.–12:00 p.m.
Concurrent Sessions, *River Center*

27: Project Systems and Connecting DOTD (Meeting Room 1)

28: Sustaining the Future through Innovations and New Ideas (Meeting Room 2)

29: On the Road to Destination Zero Deaths: Tools of the Trade (Meeting Room 3)

30: Geotech II (Meeting Room 4)

31: Access Management (Meeting Room 5)

32: Asphalt Construction II (Meeting Rooms 6 & 7)

33: General Research (Meeting Room 8)

34: Bridge Construction (Theater)

Equipment presentations **do not count towards PDH totals.*

(Over)

PROGRAM AT-A-GLANCE

Sessions pertaining to the conference theme are marked with a 

12:00 p.m.–1:00 p.m.
Lunch (box lunch provided)

1:00 p.m.–2:45 p.m.
Concurrent Sessions, *River Center*

35: Bridge Maintenance (Meeting Room 1)

36: Highway Safety - Human Factors, Education, and Enforcement Strategies (Meeting Room 2)

37: Designing for Safety (Meeting Room 3)

38: Geotech III (Meeting Room 4)

39: Land Use and Access: How They Effect Transportation (Meeting Room 5)

40: LADOTD and the Local Public Agency (Meeting Rooms 6 & 7)

41: Pile Driving Inspection Techniques (Meeting Room 8)

42: Consultant Contract Administration (Theater)

**Equipment Presentation 3 (Equipment Showroom, 1:30-2:30 p.m.)*
Vance Brothers: Asphalt Resurfacing

2:45 p.m.–3:15 p.m. | Break

3:15 p.m.–5:00 p.m.
Concurrent Sessions, *River Center*

43: Changing the Way We Lead (Meeting Room 1)

44: Air Quality and Transportation (Meeting Room 2)

45: New Safety Tools & Guidance (Meeting Room 3)

46: MUTCD Updates/Traffic Engineering (Meeting Room 4)

47: Understanding FHWA and the Federal Aid Program (Meeting Room 5)

48: High Profile, High Paced Infrastructure Improvement Programs in Louisiana (Meeting Rooms 6 & 7)

49: Point Source Water Conservation (Meeting Room 8)

50: Accelerated Bridge Construction (ABC) (Theater)

Equipment presentations **do not count towards PDH totals.*

Wednesday, January 12

7:00 a.m.–8:30 a.m.
Breakfast, *River Center Galleria*

8:00 a.m.–9:45 a.m.
Concurrent Sessions, *River Center*

51: GIS (Meeting Room 1)

52: Land Use and Transportation Planning (Meeting Room 2)

53: Photo Enforcement (Meeting Room 3)

54: Roundabouts in Louisiana (Meeting Room 4)

55: Work Zone Management (Meeting Room 5)

56: Bridge Serviceability and Evaluation (Meeting Room 6)

57: DOTD Customer Service – Key to a Sustainable Agency (Meeting Room 7)

58: Climate Change and Transportation (Meeting Room 8)

59: Contract Administration DOTD, Consultant, and FHWA Involvement (Theater)

9:45 a.m.–10:00 a.m. | Break

10:00 a.m.–11:45 a.m.
Concurrent Sessions, *River Center*

60: GIS for Managers and Administrators (Meeting Room 1)

61: Regional Transportation Planning (Meeting Room 2)

62: Intermodal Transportation (Meeting Room 3)

63: Workzone Safety (Meeting Room 4)

64: Roadside Projects (Meeting Room 5)

65: Civil Rights (Meeting Room 6)

66: I-10 Twin Span Bridge Instrumentations (Meeting Room 7)

67: Sustainable Materials for Pavements (Meeting Room 8)

68: Mega Transportation Program and Corridor Updates (Theater)

12:00 p.m.–2:00 p.m.
Awards Luncheon, *River Center Exhibition Hall*

2:00 p.m.–3:00 p.m.
Ethics Session, *River Center Meeting Rooms 5, 6, 7, and 8*

Complete Streets for Louisiana

Ellen Soll, Burk-Kleinpeter, Inc.

July 2010, LADOTD adopted a Complete Streets Policy, ensuring that provisions for all users of the transportation system will be integrated into all projects. This presentation will discuss the evolution of Complete Streets, the process engaged in Louisiana to develop the Complete Streets Policy, and how to integrate it into the Project Delivery process.

Session 4: Environment: What's New

Moderator: Jan Grenfell
Meeting Room 4

New Stormwater Rule and Its Impact on LADOTD's Highway Construction Program

Joubert Harris, LADOTD

On December 1, 2009, the U.S. Environmental Protection Agency published effluent limitations guidelines and new source performance standards to control the discharge of pollutants from construction sites. This presentation will examine the requirements under this new rule and the resulting impacts on the LADOTD Highway Construction Program.

LADOTD Noise Policy Revisions

Noel Ardoin, LADOTD

On July 13, 2010, FHWA published new highway traffic noise regulations, all state DOTs are required to revise their highway traffic noise policies. An overview of LADOTD's ongoing efforts to revise its highway traffic noise policy as well as an overview of the proposed changes to the current policy will be presented.

The Use of Mississippi River Sediment for Marsh Creation—Bayou Dupont

Russ Joffrion, Office of Coastal Protection and Restoration

OCPR and EPA were tasked with the planning, design, and construction of the first marsh creation project using Mississippi River sediment. This project involved the creation of 500 acres of marsh and was constructed using 3 million cubic yards of hydraulically dredged river sediment. The environmental, technical, and logistical challenges will be presented.

Session 5: ITS/Operations Regional

Moderator: Steve Strength
Meeting Room 5

ITS Center Update

Rachel East, LADOTD, and Adam Moncivaez, Telvent/LADOTD

LADOTD has established five Transportation Management Centers (TMCs) in Louisiana since 2005. This presentation will cover the responsibilities and benefits of the TMCs as well as operation practices that have proved useful in managing the roadways in Louisiana during extended incidents such as major closures or emergency operations.

ITS/Signal Coordination in Mississippi

Suzanne Dees, Mississippi DOT

This presentation will provide an update on ITS applications in the MS Gulf Coast region including communication systems, Traffic Management centers, and past and present ITS projects.

I-12 Ramp Metering System

Steve Glascock, LADOTD, and Shelby Coke, ABMB Engineers

A system of Interstate Ramp Flow meters have been implemented on I-12 in the Baton Rouge region to help improve travel times and safety along the corridor. This presentation will provide a summary of the analytical and design components of the project, including measures of performance of the system since activation.

Session 6: Bridge Design

Moderator: Hossein Ghara
Meeting Room 6

Development of the New LADOTD Bridge Design Manual

Jenny Fu, LADOTD

This presentation will give an update on the development of the new LADOTD Bridge Design Manual, briefly discuss the current bridge design manuals, and explain the need for developing the new manual. It will present the outline of the future Bridge Design Manual and the overall bridge design manual development process.

Louisiana Live Load Model

Mohsen Shahawy, SDR Engineering Consultants, Inc.

Smart Bridge Suite 3.0 can investigate and compare the flexural moment and shear per lane load, under HL-93 and eight LA type trucks, along the girder length. A new load model for Louisiana is proposed based on the correlation between the AASHTO HL-93 Loading model with Louisiana Permit loads.

Bridge Problems and Design Solutions

Ray Mumphrey, LADOTD

This presentation will focus on bridge details that are not construction friendly, or require excessive maintenance, and some of the design solutions that can improve these details.

Integral Bridge Design - LA 160 Bridges Project

Zolan Prucz, Modjeski and Masters, Inc.

This presentation will discuss the criteria, analysis, and detailing considerations involved in the design of 300 and 600 feet long integral abutment bridges in North Louisiana. Emphasis will be put on the response characteristics of the abutment-pile-soil system to temperature changes and the measures taken to protect the piles.

Minimizing Storm Damage to Operating Houses on Movable Bridges

Brett M. Brabham, LADOTD

This presentation will discuss storm damage to existing operating houses along with the specifications and code requirements that will minimize future storm damage for new operating houses.

Session 16: Asset Management Systems

Moderator: James Lee
Meeting Room 7

2010 Bridge Management Update

Scott Choate, LADOTD

This presentation will feature an update on the bridge inspection data collection cycle and the start of bridge data analysis.

2010 Pavement Management Update

Scott Choate, LADOTD

This presentation will discuss an update on the current pavement data collection cycle, including skid testing as well as ground penetrating radar and falling weight deflectometer projects to collect structural data on state roads.

Structural Analysis Survey of Pavements: Rolling Wheel Deflectometer

Ashley Horne, LADOTD, and Mostafa Elseifi, LSU

The rolling wheel deflectometer offers the benefit of measuring pavement deflection without causing any traffic interruption or compromising safety along the tested road segments. This study describes a field evaluation of the RWD system in Louisiana, the repeatability and characteristics of RWD measurements, and the relationship between RWD and FWD measurements.

Session 17: Concrete Thinking for a Sustainable World - Pavement Applications

Moderator: Tyson Rupnow
Meeting Room 8

Roller Compacted Concrete Applications for Municipalities

Ariel Soriano, City of Chattanooga-Public Works

Advancements in roller-compacted concrete (RCC) have created an economical and fast-construction pavement application. This presentation will give agencies, contractors, and suppliers a review of RCC pavement application, with benefits and limitations.

Pervious Concrete Applications and Storm Water Management

John Kevern, University of Missouri-Kansas City

Pervious concrete is being increasingly utilized for stormwater management. This presentation will discuss potential applications and overview design, construction, and maintenance considerations.

Sustainability Opportunities with Pavements: Are We Focusing on the Right Things?

Leif Wathne, ACPA

This presentation explores pavement type selection policies, including their genesis, their purpose, and the role competition can play in this process. This presentation shows how to move forward, taking full advantage of benefits that healthy competition between paving industries can provide, including spurring innovation and maximizing economic value.

Session 18: Financing DOTD, Performance Management, Strategic, and Ops Plan

Moderator: Michael Bridges
Theater

Performance Management

Sharon Naquin, LSU, and Gerrie Penn, LADOTD

This presentation will define performance management and how it aligns employee performance with departmental strategies, goals, and objectives. It will make clear the value of active and open communication during the performance management process and life cycle. The audience will be able to share positive experiences with performance reviews.

Linking Strategic and Operational Planning to Individual Performance

Kirt Clement, LADOTD

All individual's performance CAN be tied to an organization's strategic and operational plans. This presentation will share mechanisms that are currently being used to tie individual performance to LADOTD's operational objectives and will provide information on LADOTD case studies that demonstrate that individual performance can be affected.

Financing DOTD Operating and Capital Budgets

Nita Chambers, LADOTD

This presentation will provide an overview of LADOTD financing, expenditure streams, and processes utilized to develop the Department's capital and operating budgets. It includes recently adopted LADOTD budget guidelines used to meet the state match needs for federal funding as well as minimal operating needs and an overview of the long-term funding issues.

Session 48: High Profile, High Paced Infrastructure Improvement Programs in Louisiana

Moderator: Janice Williams
Meeting Rooms 6 & 7

American Recovery and Reinvestment Act (ARRA) of 2009: An Update on the Implementation and Reporting of LADOTD ARRA Projects

Brian Kendrick, DOTD ARRA Program Manager, and Adam Kurz, CSRS Consultants

The act is an economic stimulus package intended to stimulate the U.S. economy in the wake of the recent economic downturn. ARRA provides for job creation and preservation, energy efficiency and science, assistance to the unemployed, state and local fiscal stabilization, and infrastructure investment.

Submerged Road Program

Jeff Burst, LADOTD

The devastation of Hurricane Katrina left many of the roadways inundated as they remained under tens of feet of water for several weeks. FHWA supported damage claims by the city on the Federal Aid system and made them eligible for 100% federal funding in order to repair them to pre-Katrina condition.

Highway Recovery Program: Haynesville Shale Exploration

John Sanders, LADOTD

Drilling into the Haynesville Shale has created a rapid increase in heavy traffic, resulting in a significant deterioration of the road structure. This presentation will document the damage and costs associated.

Session 49: Point Source Water Conservation

Moderator: Marie Walsh
Meeting Room 8

Community Landscaping Codes and the Use of Wetland Plants in Transportation

Buck Abby, LSU

The design of transportation systems is becoming "green." This program covers the basics of using plant materials in the design of transportation systems. This presentation will acquaint transportation designers, maintenance personnel, and managers with knowledge about wetland plants and other roadside plantings as well as public codes that support such plantings.

Erosion and Sediment Control on Highway Construction Sites

Jim Caldwell, USDA Forest Service

This presentation will feature a brief case study of highway construction through and adjacent the Kisatchie National Forest 2006 through 2010 along with USFS research on erosion and sediment control in road design and construction.

Session 50: Accelerated Bridge Construction (ABC)

Moderator: Ray Mumphrey
Theater

Accelerated Bridge Superstructure Replacement

Amir Fouladgar and Khossrow Babaei, The LPA Group

The design and construction aspects of nighttime deck replacement of two bridges of Route 50 interchange at Route 7 in Fairfax County, Virginia, will be presented. The overall construction of both bridges was accomplished in less than two months. This project won a national design award by PCI.

Huey P. Long Bridge Widening - Construction Update

Tim Todd, Louisiana TIMED Managers

This pictoral presentation features all four phases of the project, including substructure modifications, railroad structure modifications, superstructure widening to date, and approach modifications to date, along with estimated cost, current status, and projected completion date.

Well Road Project – Accelerated Bridge Construction using Self Propelled Modular Transporters

Mark Bucci, LADOTD

This session will give a brief synopsis of the project, describe the contractor's means and methods, discuss the project's current status, and talk about some of the major construction-related issues that have arisen to date.

Repair of Box Girder Vehicle Collision Damage— I-49 over Bert Kouns

Kelly Kemp, LADOTD

The Department replaced a damaged segment of composite concrete deck and steel box girder overpass in Shreveport (I-49 over Bert Kouns). The project challenge was to return the structure as nearly as possible to its original condition while minimizing interruption to traffic on this heavily traveled corridor.

Session 62: Intermodal Transportation

Moderator: Phil Jones
Meeting Room 3

Status of Aviation in Louisiana

Brad Brandt, LADOTD

This presentation will briefly cover the highlights of the aviation system and provide a short-term and long-term outlook for aviation throughout the state. Key points will include historical and projected funding levels, system advancements, and system innovations.

Public Transportation Programs

Donna Lavigne, LADOTD

An overview of the Federal Transit Administration Programs administered by the LADOTD Public Transportation Section will be presented.

Marine Transportation System

Kathryn Carlson, LADOTD

A description of Louisiana's Marine Transportation System and its importance to the state and the region will be presented.

Louisiana Rail System

Dean Goodell, LADOTD

The presentation will discuss the railroad network in Louisiana and its condition.

Session 63: Workzone Safety

Moderator: Terri Monaghan
Meeting Room 4

Conducting Work Zone Reviews in Louisiana

Betsey Tramonte, FHWA

This presentation will overview the findings and recommendations resulting from statewide work zone reviews conducted by FHWA and LADOTD in 2009 and 2010. This presentation will also cover the process used to carry out those reviews.

Work Zone Safety: The Good, The Bad, and The Ugly of Work Zones

Barry Lacy, LADOTD

This presentation will discuss what the Work Zone Safety Inspection team is seeing when we visit project sites—what we should see and what we actually see are sadly two different things.

How to Protect the Contractor and the State in Highway Work Zones

Craig Bordelon, Gilchrist Construction

The importance of correctly setting up a work zone will be addressed along with liability of the contractor and state and going above and beyond minimum standards.

Session 64: Roadside Projects

Moderator: Roy Dupuy
Meeting Room 5

Sustainable Drainage

Dana Brown, Brown + Danos Land Design, Inc.

Sustainable drainage is managing stormwater to minimize flooding and pollution of bayous, rivers, and lakes. It involves a different approach than we have traditionally employed and is being implemented nationwide with great results. In Louisiana, the issues are complex. Sustainable drainage approaches that work in Louisiana will be presented.

Joint Use Planning and Design —Scotlandville Bypass

Max Conrad, LSU

When Richard Nixon became president, word was sent to stop work on the design of the Scotlandville Bypass. Instructions were to form a "design team" including the highway engineers, landscape architects, architects, a city planner, and a sociologist and to include the public in the planning of joint uses of the ROW.

Canal Street Renovation

Ace Torre, Torre Design Consortium, Ltd.

Canal Street is the main street of New Orleans. This project was a $17 million renovation to bring the main street back to life and, with its new dramatic image, encourage economic development and renewed status.

Session 65: Civil Rights

Moderator: Charles Harkless
Meeting Room 6

Overview of the LADOTD Civil Rights Program

Stephanie Ducote, LADOTD

The LADOTD Compliance Programs Section administers civil rights programs, including the Disadvantaged Business Enterprise (DBE), Title VI, Contract Compliance, Americans with Disabilities (ADA), Labor Compliance, On-the-Job Training Compliance, and the Title VII (State Internal Affirmative Action) Program. All of these programs are federally required and regulated.

Title VI and ADA / Section 504 Statewide Compliance / Complaints

Charles Harkless, FHWA, and Tanya St. Angelo, LADOTD

This presentation will discuss an overview of Title VI and The Americans with Disabilities Act / Section 504. Information will be provided per the roles and responsibilities of recipients of federal funding and an update per the state's current self evaluation and transition plan efforts will be provided.

Agenda L

LSWA Conference Agenda

2011

Environmental Solutions

31st Annual Environmental Conference

March 23 - 25, 2011

Wednesday, March 23,2011

Golf Tournament	Golf Tournament: 9:30 am Registration-11:00 am Tee Off
1:00 PM	Solid Waste Operator Certification Test (Cajundome Convention Center)
2:30-5:30 PM	Exhibitor Set-Up & Early Registration (Pre-Registered Attendees)
5:30-7:00 PM	Additional Exhibitor Set Up Time (only for those playing in the Golf Tournament)
6:00-9:00 PM	Hospitality Room (Hilton Garden Inn)

Thursday, March 24, 2011

7:30 - 8:30 am	Registration And Exhibitor Visitation (Cajundome Convention Center)
8:30 am -1:00 PM	Welcome & Brief Conference Overview
8:30 to 11:00 am Plenary Session	Awards Presentations
	Peggy Hatch, Secretary, LDEQ
	Vladimir Alexander Appeaning, Ph.D., Deputy Secretary, LDEQ
	Scott Angell, Secretary, LDNR (invited)
	Dr. Al Armendariz, Administrator, EPA Region 6 (invited)
	Stephen Gilrein, Enforcement Director, EPA Region 6 (invited)
11:00 - 11:30 am	Exhibitor Visitation
11:30 - 1:00 pm	Lunch served in Cajundome Convention Center

Breakout Sessions

Track Titles	Solid Waste	UST	Air	Water/Waste Water	Oil and Gas
1:00-1:30	"Demonstrating Spatial Variability in Groundwater"-Dru Trahan, LDEQ	"Pay for Performance" - Durwood Franklin, LDEQ	"EPA Enforcement Priorities 2011"-Steve Gilrein, EPA	"Using DNA Fingerprinting to Determine Source of Fecal Violations" - Eric Achberger, LSU	"E&P Waste Acceptance Pilot Study" - Speaker TBD
1:30-2:00	"Effects of Driving Pilings at Contaminated Sites"- Dr. Ken McManis, ULL	"Sources for UST Releases"-Sam Broussard, LDEQ	"EPA Incorporation of Environmental Justice Concerns in Future Rulemakings"- Speaker TBA	"Constructed Wetlands to Treat Landfill Leachate" -Speaker TBA	"Waste Handling Procedures of BP Spill" - Wayne Desselle, LDEQ
2:00-2:30	"Perils and Positives of Piggy-Backing at Landfills"-Dorian Heroman, LDEQ	"Green Remediation"- Steve Reuter, EPA	"Greenhouse Gas Inventory Reporting- Lessons Learned"- Speaker TBA	"Pesticide Rule and Draft General Permit" Bruce Fielding, LDEQ (i)	"Wyoming Crude Oil Case Study" - Zia Tammami, CK
2:30-3:00	""NORM"-Mark Krohn, ARS	"Energy Act Update"- Sam Broussard, LDEQ	"Greenhouse Gas Air Permitting"-LDEQ	SPC/SPCC Rule Changes - John Price, Providence	"Lessons Learned - Marcellus Shale" - TBD
3:00 -4:00		Exhibitor Visitation			

Track Titles	Solid Waste	UST	Air	Water/Waste Water	Industrial
4:00-4:30	"LDEQ Update on Solid Waste Permitting Process"- Traci Green, Don Caffery, Scott Guilliams, Sanford Phillips, LDEQ	"Expedited Penalty"- Cheryl O'Neal,LDEQ	"LDEQ CNG/LPG Fuels Initiative"-Paul Miller, LDEQ	"Approaching Biosolids Deadlines" - Eura Dehart, LDEQ	"Infrastructure Implications of Haynesville Shale" - Speaker TBA
4:30-5:00		"Closure, Installation & Repair"-Verretta Johnson, LDEQ	"CNG Fueling Implementation Initiative"-Sarie Joubert, Chesapeake Energy	Treating to New Stringent Standards - Oscar Boudreaux, EES	"Air Quality Impacts of Haynesville Shale" - Kevin Calhoun, Providence
6:00 - 9:00 pm	Hospitality Event Acadian Village				

Friday, March 25, 2011

Track Titles	Solid Waste	UST	Air	Water/Waste Water	Oil and Gas
8:00 - 9:00 am	Exhibitor Visitation				
9:00-9:30 am	"Recent Trends in Brownfields"-Tyson Hackenberg, Shaw	"Tightness Testing"-Sam Broussard, LDEQ	"Ambient Air Standarts Update"- Maureen Harbourt & Kean Miller	"Measurable MS4 Goals"- Speaker TBA	"RECAP VS. LDNR Standards" - George Cramer
9:30-10:00 am	"RECAP Update"- Speaker TBA	"Trust Fund"-Don Haydel, LDEQ		" Stormwater Construction BMPs Inside an MS4" - Keith Sepulvado, Denver Water	"Lessons Learned from Response to BP Spill" - EPA
10:00 -10:30 am	Exhibitor Visitation				
10:30-11:00	"Practical Engineering Design for MSW Landfills"- Speaker TBA	"Secondary Containment"-Jay Mutina	"Modeling Issues with the New Ambient Air Standards"-Yousheng Zeng, Providence	"Characterizing Watershed-The Need for GIS" - Wendy French, EBR Parish (i)	"Source Water Needs in Haynesville Shale" - Speaker TBA
11:00-11:30	"Proposed Federal Regulations of Coal Ash"-Brian Bond, AEP	"Corrosion Protection"- Sam Broussard, LDEQ		"The Watershed Approach to Improve Water Quality" - Andrea Bourgeois Calvin, LPBF	" Chlorides at Landfills, Calculating Appropriate Limits" - Aimee Killeen, Providence
11:30 -12:00	PRIZE DRAWINGS- MUST BE PRESENT TO WIN!!!				

The LDEQ Satellite Office - LDEQ Staff will have an "Office" established in the Lobby of the Cajundome Convention Center from 1:30 pm to 3:30 pm on Thursday and from 8:30 am to 10:30 am on Friday. Stop by the "Office" and have questions answered regarding geology, engineering, permitting, and other topics.

Appendix M

Hydraulics Manual Supplement

ROAD DESIGN

EROSION CONTROL GUIDELINES

HYDRAULICS UNIT

PLAN CHECKING AND DESIGN PROCEDURES FOR EROSION & SEDIMENT CONTROL

SUPPLEMENT TO HYDRAULICS MANUAL

NOVEMBER 2007

DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT

INTRADEPARTMENTAL CORRESPONDENCE

IN REPLY REFER TO
FILE NO.

REFERRED TO

____ REFERRED FOR ACTION
____ ANSWER FOR MY SIGNATURE
____ FOR FILE
____ FOR YOUR INFORMATION
____ FOR SIGNATURE
____ RETURN TO ME
____ PLEASE SEE ME
____ PLEASE TELEPHONE ME
____ FOR APPROVAL
____ PLEASE ADVISE ME
____ _____

BY _____ DATE _____
BY _____ DATE _____
BY _____ DATE _____

HYDRAULICS OFFICE
(225)379-1306

MEMORANDUM

TO: ROAD DESIGN SECTION
BRIDGE DESIGN SECTION
CONSTRUCTION SECTION
DISTRICT ADMINISTRATORS
DISTRICT DESIGN OFFICES
ENVIRONMENTAL SECTION
PROJECT MANAGEMENT SECTION

FROM: Steve Lee, P. E.
Hydraulics Engineer Administrator

DATE: November 1, 2007

SUBJECT: **DESIGN POLICY ON EROSION CONTROL**

The attached documents are a re-issuance of LADOTD's Design Policy on Erosion Control with minor changes. An additional example has been added to the documentation. Also, the section entitled "Plan Checking & Design Procedures for Erosion and Sediment Control on LADOTD N/LPDES Permitted Project" was to be included in the Hydraulics Manual, and it is labeled as such; however, this information will not be included in the Hydraulics Manual as the Design Policy on Erosion Control is being updated periodically to correspond with changes in EPA and DEQ policy.

Further information can be obtained by contacting Sarah Golz in the Hydraulics Section at (225) 379-1430.

_____ _____
RECOMMENDED FOR APPROVAL DATE

_____ _____
RECOMMENDED FOR APPROVAL DATE

_____ _____
APPROVED DATE

PLAN CHECKING & DESIGN PROCEDURES FOR EROSION & SEDIMENT CONTROL ON LA DOTD N/LPDES PERMITTED PROJECTS

This document pertains to those projects which fall under Phase I and Phase II of Louisiana's Pollutant Discharge Elimination System permitting program. The program applies to all construction projects disturbing one acre or greater of land as of March 2003.

Plan checking and design procedures on the use of erosion and sediment controls are to be followed according to the *Roadway Design Procedures and Details Manual (RDM)* with few exceptions as shown herein. A reference is made to section 4.5.2 of this manual and Standard Plan EC-01. Temporary erosion controls should be shown on the plan and construction sequence sheets, or on separate sheets altogether. This is a revision to section 8.2.5(h) of the RDM. Where many controls are required such that they would clutter the plans, the controls should instead, be listed in tables on summary sheets. Temporary erosion control symbols should be included as part of a plan symbol legend. Structural controls should have details for their installation included within the plans. Examples of structural (i. e., sediment) controls are silt fencing, sediment basins, check dams, etc. See Standard Plan EC-01. New products are continuously being developed to aid in erosion and sediment control. Products equivalent to the traditional ones mentioned in this document are acceptable as approved by the LADOTD.

Plan preparation procedures for separate, temporary erosion control sheets are also included. They should follow similar procedures to those discussed below for showing controls within the traditional plan set. The guidelines and procedures listed below are used to supplement, and may supersede, the RDM and Standard Plan EC-01.

PRELIMINARY DESIGN/PLAN CHECK

Roadside, median, and temporary ditches should have hay/straw or stone (or equivalent material) check dams placed in them. There are many options for the temporary stabilization of ditches. Construction personnel are allowed to make adjustments for field conditions. As a guideline, check dams should only be used in channels with a contributing drainage area of 10 acres or less. Additionally, they should only be placed in channels having a 10% grade or less, and where the depth of flow is not expected to exceed one (1) foot. Use hay or straw baled check dams where the maximum contributing drainage area is 2 acres. Use stone check dams where the drainage area is between 2 and 10 acres. (It will not be necessary to show such drainage areas on the Design Drainage Map.) The maximum spacing between dams should be such that the toe of the upstream dam is at the same elevation as the top of the downstream dam.

Check dams range from 1½ ft. to 3 ft. in height, depending on the channel cross-section or depth of flow. The height should be equal to the top of the lower channel bank or to the depth of anticipated flow, whichever is lower, with a minimum of 1½ ft. The center of the dam should be at least 6 inches lower than the height (outer edges). The bottom length should be three times the height (3 x h).

On bridge construction and replacement jobs, silt fencing (or an equivalent product) should be specified near the toe of the banks, parallel to the waterway and between the right-of-way limits on either side of the bridge. Roadside channels on either side of the bridge should have either check dams or bridge/erosion drain pipes (*ditch blocks*) to help slow channel velocity from any runoff during the time of construction, when the bridge embankment is vulnerable to erosion. Silt fencing and check dams used here can be shown on either the plan or bridge general plan sheets. (Refer to section 5.2.4 of the RDM and Chapter I of the Hydraulics Manual for design details pertaining to ditch blocks.)

Existing catch basins (both curb & open-top inlet types) that are to remain on a project should have some form of silt protection. Traditionally, this has been accomplished with either silt fence or hay/straw bales and thus, accounted for in a (204) pay item. Rock or stone barriers are also acceptable as long as they are properly installed. Because drainage work is performed early in the construction period, proposed catch basins should also have inlet protection.

Permanent erosion control at the outlets of cross drain structures should be noted on the preliminary plans (section 8.2.5(5.b) of the RDM).

(This paragraph reserved for future design guidelines pertaining to detention/sediment basins.)

FINAL DESIGN/PLAN CHECK

Standard Plan EC-01 should be included in the final plan set.

Silt fencing is used to minimize the amount of sediment leaving the construction site and/or entering water ways. It is also used to decrease the velocity of sheet flows. Silt fencing should be shown on the plans along areas of disturbance sloping away from the project site or towards adjacent, naturally existing water ways. It should not cross entrance and drainage ways. Disturbed areas typically extend fifteen (15) feet outside the limits of construction or to the limits of right-of-way, whichever is less. A look at the existing cross-sections will indicate slopes during clearing and grubbing operations. On urban projects where fore slopes are toward the roadway and inlet protection is specified, silt fence will likely not be necessary. The estimated quantity for silt fencing should take these and other situations into consideration. Silt fencing that coincides with the right-of-way should be indicated with an arrow and note at least once per plan sheet. At other locations, silt fencing should be indicated with the appropriate symbol at least once per plan sheet. Summary tables are now not required for silt fencing, since the plans can better indicate locations.

Show temporary slope (embankment) drains on the plans to carry storm water from the work area down unprotected long (greater than 100 ft.) and/or steep (greater than 2:1) slopes. Slope drains are typically only necessary on large, embankment moving projects. Earthen berms directing water into the pipe inlets should also be shown on the plans (see Std. Plan EC-01) unless the slope drains are included in a summary table(s).

Permanent erosion controls (i. e., seeding, mulching, rip-rap, erosion control systems, etc.), if not indicated on plan or profile sheets, should be tabulated in summary tables. This is a slight modification of Section 8.2.5(h) of the RDM. Locations (i. e., to and from stationing, and Lt., Rt., or Med. of roadway) and type (i. e., vegetative mulch, Type A covering, 30-lb rip-rap class, etc.) should be clearly indicated. (Refer to the Hydraulics office for design procedures pertaining to channel protection and rip-rap sizing/placement.) Erosion control coverings should be shown on either the profile sheets or listed in a summary table(s). They are used for either slope or channel protection, and should be labeled as such. Temporary check dams should still be placed in channels requiring covering until vegetation is established and the dams can be removed. The quantity for temporary seeding in these areas will be computed as specified in the appendix of the Road Design Manual under Miscellaneous Design Aids, *Rules Associated with Pay Items.* Rip-rap used at bridge abutments should be indicated on the bridge general plan sheets.

Pay items for temporary erosion controls should be included on the *Summary of Estimated Quantities* sheets. These include such items as temporary silt fencing and temporary slope drains (204-). Though not necessarily shown within the plans, at least two (2) items for temporary stone construction entrances should also be included on the *Summary of Estimated Quantities* sheets. Design aids for estimating temporary erosion control quantities are provided in the appendix of the Road Design Manual under Miscellaneous Design Aids, *Rules Associated with Pay Items.*

Pay items for permanent erosion controls should be included on the *Summary of Estimated Quantities* sheets. These include such items as fertilizing (718-01) and seeding (717-01), landscaping (719-), erosion control systems (720-), riprap used as outlet protection for cross drains and at bridge abutments (711), and others in the 700-no. category. Fertilizing and seeding limits are usually indicated on the typical section sheets (section 8.2.3(6) of the RDM). Permanent erosion controls can be used in place of temporary controls if placed early enough, and may share pay item numbers. Design aids for estimating permanent erosion control quantities are provided in the appendix of the Road Design Manual under Miscellaneous Design Aids, *Rules Associated with Pay Items.*

SEQUENCE OF CONSTRUCTION

Temporary erosion and sediment controls are usually installed during the first phase of construction, before the land is disturbed. In fact, storm water permit coverage starts from the commencement of construction activities until final project stabilization. Temporary structural controls must be removed whenever they are no longer necessary in serving their purpose, or when the protected area has been stabilized through the use of seeding and mulching, erosion control blankets, rip-rap, or other means. The installation and removal of controls and practices used to control erosion (BMPs) should be indicated on construction sequencing sheets. Below are guidelines for the sequencing of erosion controls and BMPs on LA DOTD state projects:

Silt fencing should be installed before clearing and grubbing operations begin, except when clearing involves installing the fence. Typically, this would be performed in the first stage of phase one of construction. It should be removed once the upslope area being protected has been stabilized. On bridge construction jobs over water ways, silt fencing should be installed before ground-breaking activities begin. On bridge replacement jobs over water ways, it should be installed prior to existing bridge removal and detour bridge construction (if applicable). In the case of both bridge construction and replacement jobs, it can be removed once the bridges and abutment protection are in place.

Slope drains and their temporary earth berms should be installed after clearing and grubbing and grading of the embankment slope has occurred. It should be removed only when the disturbed slope upon which it rests has been stabilized. This should be before roadway base work begins.

Check dams should be installed immediately after the channel is brought to grade, and should be removed only after the upslope channel for which they serve has been stabilized. Check dams in roadside channels near bridges should be placed before ground-breaking activities begin, or after ditch grading (if applicable). They should be removed after the installation of any bridge/erosion drain pipes (*ditch blocks*), or after the upslope channel for which they serve has been stabilized. Check dams should be tabulated in summary sheets indicating their locations by stationing. Where only a few dams are required, they can instead, be indicated on the sequence of construction sheets with a symbol, at a minimum scale of 1:1000 or 1" = 80'.

Protection for existing drainage inlets remaining onsite should be fully installed before clearing and grubbing operations begin in the area. Protection for proposed drainage inlets should be installed immediately after the new inlets are in place. In both cases, they should not be removed until the upslope area for which they serve has been stabilized. Inlet protections should typically be the last erosion controls removed from a site. They can be indicated on the sequence of construction sheets with a symbol, at a minimum scale of 1:1000 or 1" = 80'. Protection for many catch basins as part of subsurface drainage systems should instead, be listed in a summary table(s).

Temporary seeding, if necessary prior to permanent seeding, occurs after clearing, grubbing and grading operations. The limits are the same as that indicated on the typical section sheets for permanent seeding, and need not be shown elsewhere. A note on the sequence of construction sheets will suffice.

Erosion controls shown on the plan sheets reflect their initial placement.
During construction, some controls may need to change location based upon grade changes required to form the typical sections and based upon the location of detour roads. No additional payment will be made for the moving of erosion control devices at different sequences of construction. The former statement should be included in the notes of the construction sequence sheets.

Below is a reference table summarizing where erosion and sediment controls should be incorporated into the plan set.

E & S Control	Location in plan set	Include in summary tables?
Silt fence	plan, bridge general plan sheets	Not required
Slope drains	plan sheets	Yes, if not on plan sheets
Check dams	construction sequence sheets	Yes, if not on construction sequence sheets
Inlet protection	construction sequence sheets	Yes, if not on construction sequence sheets
Stone construction entrances	construction sequence sheets, if location known	No
Seeding, fertilizing, mulching & sodding (temporary & permanent)	typical section sheets	No
Erosion control systems	profile sheets	Yes, if not on profile sheets
Rip-rap (permanent)	plan, bridge general plan sheets	Yes, if used for channel lining

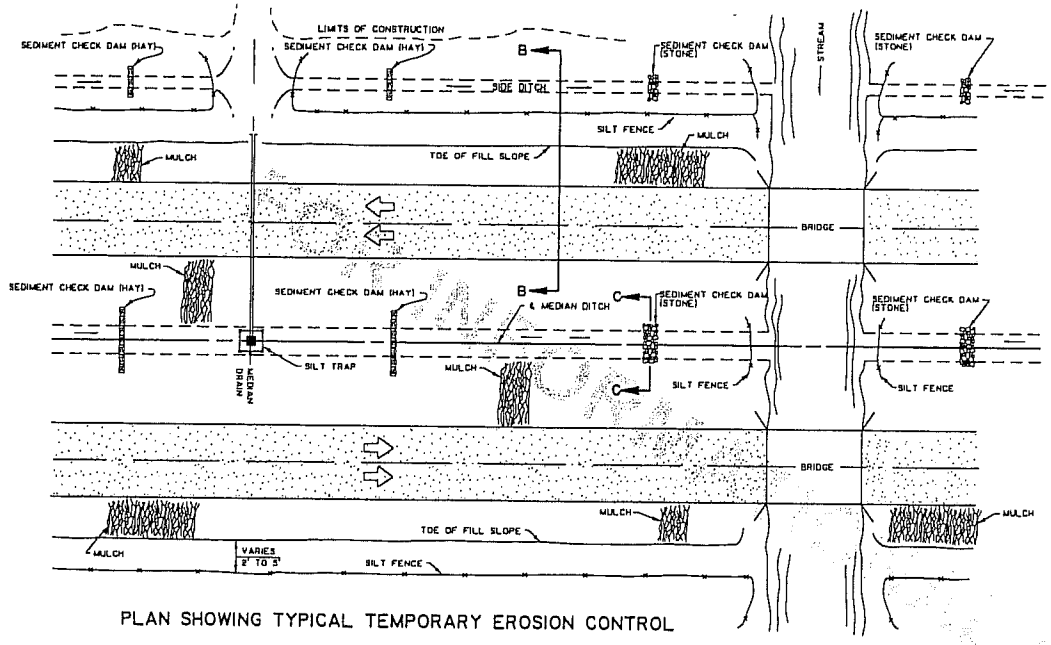
TEMPORARY EROSION AND SEDIMENT CONTROL SHEETS

The designer has the option of placing temporary erosion and sediment control measures on separate sheets. These should consist of layout sheets (similar to a construction sequence sheet) at a minimum scale of 1:000 or 1"= 80'. Layout sheets should indicate drainage patterns and, like the construction sequence sheets, a description of the phasing in of practices and controls. Temporary erosion control symbols should be included as part of a plan symbol legend on these sheets, and may include part or all of the construction legend to illustrate sequencing with roadway construction.

Where many controls are required such that may clutter these sheets, the controls should instead, be listed in tables on summary sheets, as mentioned previously. Permanent erosion controls should be shown on the appropriate sheets within the traditional plan set. They should be placed as soon as practical after clearing, grubbing, grading operations and if appropriate, after drainage installations.

Appendix N

Standard Plan EC-O1, Temporary Erosion Control Details

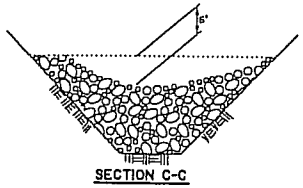


PLAN SHOWING TYPICAL TEMPORARY EROSION CONTROL

MULCHES

Mulches are the application of mats of material placed on the soil surface to prevent erosion by protecting the soil surface from raindrop impact and to reduce the velocity of overland flow. Mulches can be organic or synthetic. Mulches shall be in accordance with subsection 1018.19 of the LA DOTD Standard Specifications. A few guidelines for the use of Mulches are:

1. Use on cut and embankment slopes which have not been completed to plan grade or where the weather or soil conditions will not permit completing them within a reasonable time;
2. Use on cleared , grubbed, and scalped areas where soil erosion is likely to occur;
3. Use with temporary seeding.



SECTION C-C

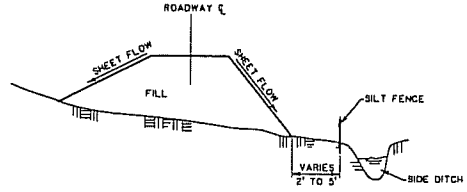
TEMPORARY SEDIMENT CHECK DAM (STONE)

PAY ITEM: 204(05)(B), TEMPORARY SEDIMENT CHECK DAM (STONE)

NOTES:

A stone check dam is a small temporary dam constructed across a swale or drainage ditch. The purpose of this measure is to reduce the velocity of concentrated stormwater flows, thereby reducing erosion of the swale or ditch. The stone check dam will trap small amounts of sediments generated in the ditch itself, however it should not be used as a sediment trapping device. A few basic design guidelines for the use of Stone Check Dams are:

1. Use in small open channels which drain 10 acres or less;
2. Do not use in a live stream;
3. Use in a temporary ditch or swale which, because of their short length of service, cannot receive a non-erodible lining;
4. Use in permanent ditches or swales which will not receive a permanent lining for an extended period of time;
5. Use in temporary or permanent ditches or swales which need protection during the establishment of grass linings.
6. For stone specifications see subsection 711.02(a)(Class 2LB.) of the LA DOTD Standard Specifications.

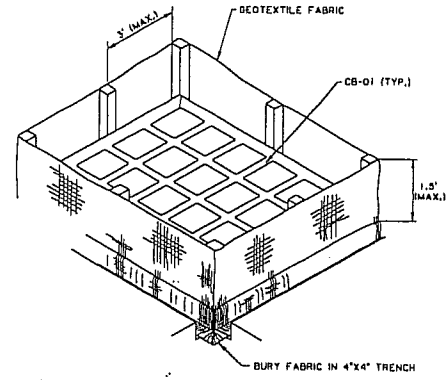


SECTION B-B

TEMPORARY SILT FENCE APPLICATION

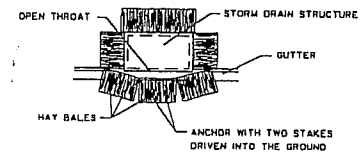
(FOR CONSTRUCTION DETAILS AND SPECIFICATIONS SEE SHEET 2 OF 2.)

F.A.P.	STATE PROJECT	PARISH	SHEET NO.



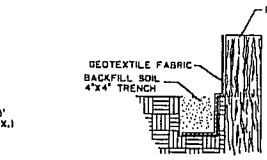
ISOMETRIC VIEW SHOWING GEOTEXTILE FABRIC

(BACKFILL SOIL NOT SHOWN)



PLAN SHOWING HAY BALES

PAY ITEM: 204(02), TEMPORARY BALED HAY OR STRAW



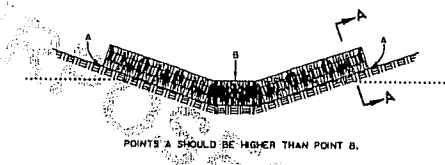
SECTION THRU TRENCH SHOWING GEOTEXTILE FABRIC

NOTES:

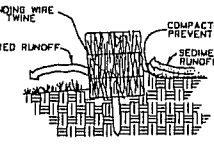
The temporary drop inlet silt trap is to be used for small drainage areas (less than 1 acre) where the storm drain is functional before the area is stabilized. The trap can be either geotextile fabric or hay bales.

1. The geotextile fabric shall conform to Section 1019 (Type G) of the LA DOTD Standard Specifications.
2. Wooden stakes supporting the fabric shall be 2" x 2" or 2" x 4" with a minimum length of 3 feet. The stakes shall be spaced around the inlet at a maximum spacing of 3 feet.
3. The height of the fabric above the inlet shall be limited to 1.5' and the bottom of the fabric shall be buried in a trench approximately 4" wide by 4" deep. The fabric shall be stapled to the post with ½" staples.
4. The trap should be inspected regularly and after each storm. The sediment should be removed and make sure each stake is firmly in the ground.

TEMPORARY INLET SILT TRAP



ELEVATION



SECTION A-A

TEMPORARY SEDIMENT CHECK DAM (HAY)

PAY ITEM: 204(05)(A), TEMPORARY SEDIMENT CHECK DAM (HAY)

NOTES:

A hay bale barrier is a temporary sediment barrier consisting of a row of entrenched and anchored bales of straw or hay. The hay bale barrier is also used as a check dam to reduce the velocity in small ditches or swales. The hay bales shall be in accordance with LA DOTD Standard Specifications, Section 204. A few basic design guidelines for the use of a Hay Bale Barrier are:

1. Use where erosion would occur in the form of sheet and rill erosion;
2. Use in minor swales or ditches where the maximum drainage area is 2 acres;
3. Only use where the effectiveness is required for less than 3 months;
4. Do not use in live streams or in swales or ditches where there is a possibility of a washout.

DATE	DESCRIPTION	BY	

REVISIONS

STANDARD PLAN NO. EC-01 SHEET 1 OF 2

TEMPORARY EROSION CONTROL DETAILS

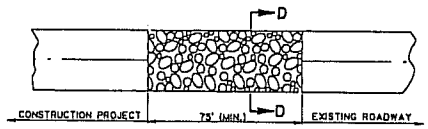
DATED January 14, 1994

STATE OF LOUISIANA
DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT

DESIGNED JCM	DETAILED KAJ	DR. oadd/dgn/stdplans
CHECKED	CHECKED JCM	FILENAME ec01.dgn

Approved By Chief Engineer (Original Signed By Chief Engineer) Date (1-14-94)

F.A.P.	STATE PROJECT	PARISH	SHEET NO.



PLAN

SECTION D-D

TEMPORARY STONE CONSTRUCTION ENTRANCE

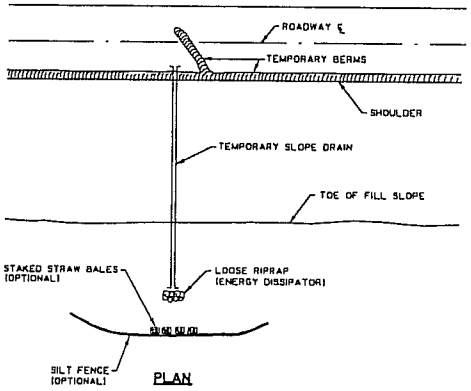
PAY ASITS - ITEM, TEMPORARY STONE CONSTRUCTION ENTRANCE

NOTES:

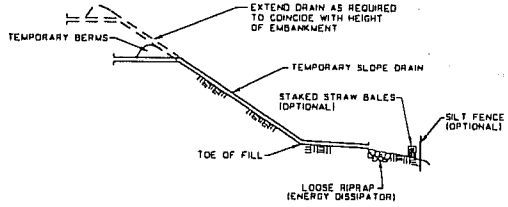
TEMPORARY STONE CONSTRUCTION ENTRANCE AND/OR WASH RACK

A stone stabilized pad located at points of vehicular ingress and egress on the construction site, to reduce the amount of mud transported onto public roads. If the action of the vehicle traveling over the gravel pad is not sufficient to remove the majority of the mud, then the tires must be washed, before the vehicle enters a public road. A few basic design guidelines for the use of a Stone Construction Entrance and/or Wash Racks are:

1. The stone layer must be at least 6 inches thick;
2. The stone shall conform to Section 711(02)(Class 2LB) of the LA DOTD Standard Specifications;
3. The length of the pad must be at least 75 feet and it must extend the full width of the vehicular ingress and egress;
4. A geotextile fabric underliner is required. The geotextile fabric shall be in accordance with Section 1019 (Type Oh of the LA DOTD Standard Specifications;
5. If a wash rack is necessary, provisions must be made to intercept the wash water and trap the sediment before it is carried off-site.



PLAN



ELEVATION

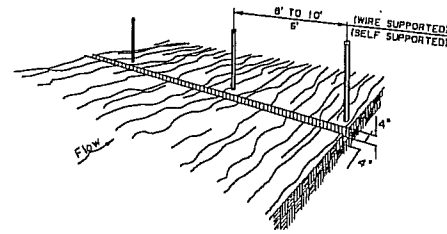
TEMPORARY SLOPE DRAIN

NOTES:

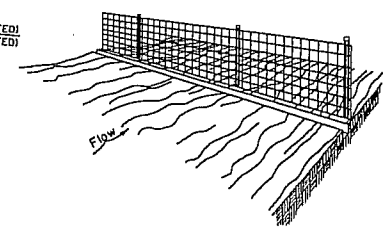
A temporary slope drain is a device used to carry water from the construction work area to a lower elevation. Slope drains may be plastic sheets, metal or plastic pipe, stone gutters, fiber mats, or concrete or asphalt ditches. A few basic design guidelines for the use of a Temporary Slope Drain are:

1. The spacing of the slope drains varies with the road grade.
   For Grades: 0.0% - 2.0% use 500' spacing
   2.1% - 5.0% use 200'
   Greater than 5.0% use 100'
2. Slope drain material: Smooth pipe - 8" minimum
   Corrugated pipe - 12" minimum
   Plastic sheeting - 4' wide minimum
   - 3 mils thick min.
3. Plastic sheeting can be staked down or weighted with rocks or logs. The area under the sheeting should be shaped to provide an adequate channel.
4. The outlet end should be protected or have some means of dissipating energy. The flow should be directed through a sediment trap such as a silt fence or hay bales.
5. To insure proper operation, temporary slope drains should be inspected regularly and after each storm, for clogging or displacement. Erosion at the outlet should be checked and the silt traps cleaned if necessary.

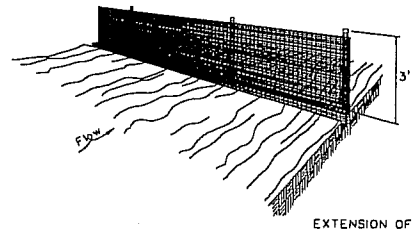
1. SET POSTS AND EXCAVATE A 4" X 4" TRENCH UPSLOPE ALONG THE LINE OF POSTS.



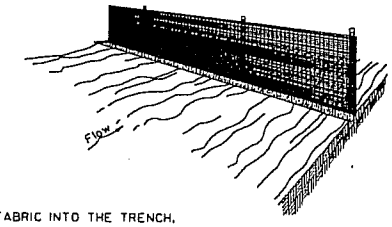
2. STAPLE WIRE FENCING TO THE POSTS.



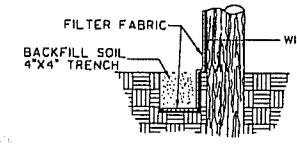
3. ATTACH THE FILTER FABRIC TO THE WIRE FENCE AND EXTEND IT INTO THE TRENCH.



4. BACKFILL AND COMPACT EXCAVATED SOIL.



EXTENSION OF FABRIC INTO THE TRENCH.



CONSTRUCTION OF TEMPORARY SILT FENCING

(WIRE SUPPORTED SILT FENCE IS SHOWN. SELF SUPPORTED SILT FENCE WILL BE CONSTRUCTED ACCORDING TO MANUFACTURERS SPECIFICATIONS.)

NOTES:

Silt fencing is a temporary sediment barrier consisting of a filter fabric supported by post and stretched across an area to intercept and detain small amounts of sediment. The silt fencing shall be in accordance with Section 204 of the LA DOTD Standard Specifications. A few basic guidelines for the use of Silt Fencing are:

1. Use where erosion would occur in the form of sheet and rill erosion;
2. Use where the maximum drainage area behind the silt fence is ½ acre per 100 feet of silt fence length;
3. Use where the maximum slope length behind the barrier is 100 feet;
4. Use where the maximum gradient behind the barrier is 2:1;
5. Do not use silt fences in live streams or in ditches or swales where flows exceed one cubic foot per second.

NO.	DESCRIPTION	BY	DATE

REVISIONS

STANDARD PLAN NO. EC-01 SHEET 2 of 2

TEMPORARY EROSION CONTROL DETAILS

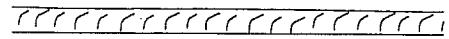
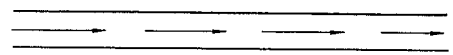
DATED January 14, 1994

STATE OF LOUISIANA
DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT

DESIGNED JCM	DETAILED KAJ	DR. oadd/dgn/stdplans
CHECKED	CHECKED JCM	FILENAME ec01.dgn

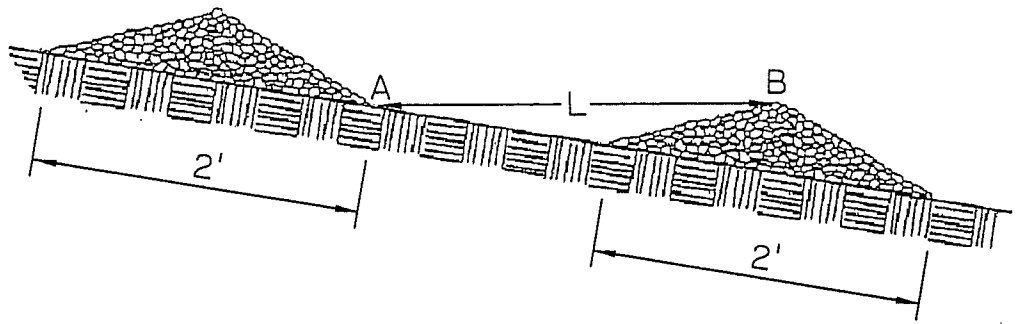
Approved By Chief Engineer (Original Signed By Chief Engineer) Date 11-14-94

TEMPORARY EROSION & SEDIMENT CONTROL SYMBOLOGY

SILT FENCE	
TEMPORARY BERM	
SEDIMENT CHECK DAM (STONE)	
STABILIZED CONSTRUCTION ENTRANCE	
HAY BALES OR SEDIMENT CHECK DAM (HAY)	
INLET PROTECTION	
TEMPORARY SLOPE DRAIN	

SPACING BETWEEN CHECK DAMS

L = THE DISTANCE SUCH THAT POINTS
A AND B ARE OF EQUAL ELEVATION



Appendix O

Plan in Hand Memorandum Review Form

November 1, 2001

PLAN-IN-HAND
MEMORANDUM REVIEW

DISTRICT NO.:_____ P/H INSPECTION MADE ON:_____

S.P. NO.:_____ ROUTE NO.:_____

F.A.P. NO.:_____ PARISH:_____

NAME:_____

PLAN-IN-HAND PARTY

NAME	TITLE	AGENCY	SECTION

PLAN-IN-HAND
INSPECTION REPORT

		YES	NO	COMMENTS
TYPICAL SECTION SHEETS:				
1.	Is the District in agreement with the proposed pavement types?			
SUMMARY SHEET:				
1.	Will an item for cleaning of existing ditches be required?			
2.	What types of temporary erosion control items will be required?			
3.	How many construction entrances will be required?			
4.	Is the method of payment for removal of pavement satisfactory?			
5.	Will temporary maintenance aggregate be required? If so, how much?			
6.	Will granular material be required for backfill?			
7.	Is the method of payment for earthwork satisfactory?			
8.	Are special erosion control items necessary?			
9.	Will an item for muck excavation be required?			

		YES	NO	COMMENTS
PLAN PROFILE SHEETS:				
1.	Is adequate right-of-way provided for relocation of utilities?			
2.	Will any right-of-entry agreements be required? Is this satisfactory? Who will secure it?			
3.	Will construction be impacted by existing horizontal or vertical clearance?			
4.	Is adequate outfall information shown?			
5.	Has sufficient drainage excavation and/or cleaning of outfall laterals necessary for adequate drainage been shown?			
6.	Will cleaning be required for existing drainage structures?			
7.	Will special ditch protection items be required?			
8.	Will any underdrains be required?			
9.	If retaining walls are necessary, will they be cast in place or mechanically stabilized?			
10.	Are there any oil or gas wells on the project that do not show up on the plans?			

		YES	NO	COMMENTS
11.	Are there any noticeable encroachments on the right-of-way? Are existing improvements within 50' of required right-of-way shown on the plans?			
12.	Any potential hazardous waste site/ust?			
13.	Will construction or drainage servitude be required?			
GEOMETRIC DETAILS:				
1.	Are there any areas where improvements can be made to the alignment?			
SEQUENCE OF CONSTRUCTION:				
1.	Is through traffic to be maintained?			
2.	For local traffic only, will school buses, mail carriers, or other local traffic require special maintenance of traffic provisions?			
3.	If temporary sheeting is required to maintain traffic, is the method of payment satisfactory?			
4.	Does the detour limits exceed the limits of roadway improvements?			
5.	Can detours be built due to grade difference between new and existing roadways?			

		YES	NO	COMMENTS
6.	Check for conflicts between new roadway and existing roadway being used to maintain traffic.			
7.	Method of payment for detour (if required).			
8.	Can drainage be maintained during construction?			
GENERAL:				
1.	If sub-surface drainage is being used, is there any evidence of effluent sewerage entering existing roadside ditches?			
2.	Are all utilities shown? Pipelines shown in profiles, if applicable?			
3.	Have 60% comments been received from the District?			
4.	Are there any major utility conflicts?			
5.	Are there any major right-of-way conflicts?			
6.	Will sawed joints be required for limits of pavement removals (including walks, drives, cross-overs etc.)? If yes, is the method of payment satisfactory?			
7.	Will any materials be salvaged? If so, where should this material be hauled?			

		YES	NO	COMENTS
8.	Is there any extra-ordinary maintenance problems or procedures anticipated as a result of the proposed project?			
9.	Is a clearing and grubbing project recommended?			
10.	Will surcharging the embankment be required?			
11.	Are there any proposed permit requests that will affect this project? (404, NW,)			
12.	Are the drainage and construction servitude large enough for equipment mobilization?			
13.	If this project creates any additional mileage for our system has Planning been notified for potential exchange with cooperating agency?			
14.	Do any recommended changes exceed the original scope of the project?			
15.	Does the limit/scope of the project match those in the environmental document?			
16.	Are there any mitigation items that need to be addressed in plan development?			

17. List below any comments or recommendations concerning the roadway.

		YES	NO	COMMENTS
BRIDGE PLANS				
1.	Is stationing of beginning and end of existing bridge shown?			
2.	Is description of existing bridge shown?			
3.	Is high water elevation shown?			
4.	Is drainage area shown?			
5.	Is required area of opening shown?			
6.	Is stream navigable either by law or local usage?			
7.	Is a U.S.G.S. report recommended?			
8.	Have recommended channel changes been shown?			
9.	Is the stream meander shown within right of way and/or beyond where necessary?			
10.	Is sufficient right of way shown at each structure?			
11.	Is detour required? If yes, (A) has the location, type, length, width, area of opening, surfacing, and other details been shown?			

		YES	NO	COMMENTS
12.	Is stream subject to drift?			
13.	Is stream subject to scour?			
14.	Will revetments be required? If yes, has the type, location and other details been shown?			
15.	Is drainage excavation required?			
16.	Are pile design loads and type shown?			
17.	Have the borings been reviewed and approved?			
18.	Have location of test pile(s) been marked on the P/H prints?			
19.	Is the use of drilled shafts indicated?			
20.	Are there any utility lines that will interfere with pile driving operations and have they been shown on the P/H prints?			
21.	Are all utilities that may affect the construction accurately located and details on the P/H prints?			
22.	Is there a need for vibration monitoring and site surveys?			

		YES	NO	COMMENTS
23.	Are the location of expansion and fixed ends shown and are they satisfactory?			
24.	Are controlling vertical and horizontal dimensions shown?			
25.	Is the superstructure cross section satisfactory?			

26. The length of permanent piles is to be determined by:

Borings: _____

Test Piles: _____

Record of Existing Structure: _____

27. List below any comments or recommendations concerning this structure.

28. List below any special considerations or agreements recommended for negotiations by the Right-of-Way Section:

List below any additional or special information.

List general remarks, comments and/or recommendations below:

SHEET NO.	COMMENTS

The following special problems need to be resolved.

Prepared By: _____
Title: _____
Section: _____

VALUE ENGINEERING

Are there any items that are candidates for value engineering? ___ Yes* ___ No ___N/A

*If yes, please comment below

REMARKS:

Value Engineering Team Members:

Project Coordinator -
FHWA Area Engineer -

Appendix P

Project Delivery Manual Excerpts

On occasion, a permit will be issued for a section of highway for which an improvement project is planned. In such cases, the Project Manager should be consulted and kept fully informed to ensure proper coordination. The process for documenting the addition of utilities within state highway right-of-way is illustrated in figure 10.2. Reference is made to EDSM Number IV.2.1.3: "Policy for District Issuance of Right-of-Way Permits and Requiring Guarantee Deposit."

Compliance with Post-Construction Environmental Commitments

In some instances, the Department will agree to post-construction environmental actions or monitoring for a limited period as a condition of a regulatory agency permit or commitment to a community. Examples of such agreements include post-construction erosion control, maintaining vegetation installed for mitigation purposes, monitoring water quality in an adjacent stream, or monitoring traffic following construction to determine if a particular traffic control device, such as a signal, is warranted.

In many instances the District Maintenance Engineer will be the official charged with ensuring compliance with post-construction environmental commitments. However, in some instances, it may be the District Traffic Engineer or the Environmental Section. The Project Engineer is responsible for notifying the appropriate official(s) when construction has been completed and explaining the nature of post-construction environmental commitments, should they exist.

At the conclusion of the commitment, the official charged with compliance should notify the Environmental Section that the commitment has been fulfilled. The Environmental Section will in turn notify the appropriate regulatory agency or community officials.

Materials Durability and Performance Monitoring

The Department maintains an approved products list from which a contractor may select materials for use on state highway construction projects. Following construction, field monitoring of the durability and performance of these materials would obviously benefit the Department. The Materials and Testing Section should be advised of any materials that do not appear to perform well. The Material and Testing Section may in turn refer the matter to the New Products Evaluation Committee for consideration of removal of the product from the approved products list. Reference is made to EDSM Number V.4.1.1: "New Products Evaluation Committee."

10.3 Responsibility Matrix

STAGE 6 – SYSTEM OPERATIONS AND PERFORMANCE RESPONSIBILITY MATRIX	
FUNCTION	**RESPONSIBLE**
Disposal of excess right-of-way	District Maintenance Section, District Design Section, Real Estate Section
Documentation of additional utilities permitted on the right-of-way	District Utilities Unit
Compliance with post-construction environmental commitments	District Maintenance Section, District Traffic Engineering Section, Environmental Section (depends on nature of commitment)
Materials durability and performance monitoring	District Maintenance Section, District Traffic Engineering Section
Identification of design features that complicate maintenance activities	District Maintenance Section
Identification of design features that impede efficient traffic operations	District Traffic Engineering Section

Appendix Q

Roadside Herbicide Applicators Management Review Agenda

BOBBY JINDAL
GOVERNOR

STATE OF LOUISIANA
DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT
P.O. Box 94245
Baton Rouge, Louisiana 70804-9245
www.dotd.la.gov
District 61
Phone: (225) 231-4100

SHERRI H. LEBAS, P.E.
SECRETARY

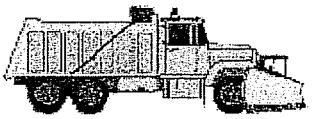
2011 Districts 61&62
Roadside Herbicide Applicator Management Review
Wednesday, March 30, 2011

Opening Remarks/ Presentation of Purdue Training Film	Mr. A.J. Roeling DOTD Roadside Dev. Mgr.
Influencing Herbicide Performance	Mr. Tim Ford
Truths of Chemcials vs. Non-Chemcial Weed Control	Mr. Rob Brooks
Applicator Safety	Mr. Doug Wood
Break	Optional
Calibration Techniques	Ms. Lawanda Selders Mr. Scott Kupper
Comments	Ms. Terri Hammack, P.E. District 61 ADA of Operations
Lunch	
Calibration of Herbicide Equipment	

Appendix R

LADOTD-MOPS-EQMS Screen Shots

MOPS -- on the Web



This site is best viewed with a display setting of 1024 x 768.
Documentation, on the far left, contains a detailed overview of this site.

Welcome to the web site of the Maintenance Operations (MOPS) system where data from CICSPROD is being made available in a variety of new ways. Please read on for a brief overview or view more detailed information by clicking on **Documentation** on the left. Questions, suggestions, or problems should be e-mailed to Leslie Mix or Susan Nichols.

Current Disasters

For information relating to the 2005 hurricanes and for "updated" MOPS for period endings since 08-28-2005. Summary reports and work order details are available. Also shown are links to "help" and other sites.

MOPS Overview

Maintenance work is reported on "work orders" by each maintenance gang into the PC-based WORD system. Every two weeks, that data is uploaded to the MOPS system. Some of the data flows to other systems eventually reaching the financial system Daily Journal (DAJR). The focus of these pages is to provide access to data from MOPS, however, options at the statewide and districtwide level provide information from DAJR as well since it is the only place to find comprehensive maintenance costs.

The accuracy and completeness at the entry level is vital to the overall usefulness of the data. The data is accumulated and used at the state level by HQ management for decision making and to answer requests for information from legislators. Word Orders may be retrieved in relation to lawsuits, both to defend DOTD and when requested by plantiffs.

Statewide, By District, By Parish

Each of these options shown at left provides access to information as needed for various reasons. The "By District" option lists every DOTD district and any section that has gangs reporting work using the WORD system. Individual gangs and their data may be viewed from here as well. The "By Parish" option allows access to functions and locations within a parish. Parish, function lists include data coded to that parish by any district or gang.

Control-Sections can be accessed from the district-gang or parish pages. When one control-section is selected, several DOTD systems are accessed to provide useful information on the control-section on one page. The TOPS description, TAHI geographic features, STRM bridges, overpasses and underpasses, TAHI Surface type log records and Maintenance Inventory are all shown. There are links to access the Maintenance work reported over the last 5 years and the TOPS projects for the control-

section.

Maintenance Work Reported in WORD

Access to maintenance work as reported in WORD is available in several places. The header above will always be the second line on the web page. Subsequent header lines will tell more about what data is included in the table that is displayed. Most summary tables allow drilling down to more detailed information. For the current and previous fiscal years, if the "Number Work Orders" value is clickable, the list of the actual work orders can be displayed.

Because of the volume of data (about 150,000 records per year), summaries of the data have been created. Some summaries are by function and some are by location; control-section being the location identifier.
Function summaries are available on district-gang, district, statewide, by parish and by control-section.
Location summaries are available by district-gang and parish.

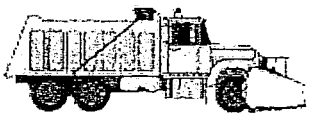
Keep in mind - ONLY data uploaded in WORD (or SORD) is shown. For each work order, Labor hours, Equipment usage, and Material usage is reported. Some gangs have chosen not to report materials usage in WORD. Changes to labor hours reported may also be made directly to the Payroll system and will not be reflected in WORD. The MOPS Cost shown is computed on the data uploaded to MOPS from WORD. True maintenance costs to LaDOTD will almost always be higher.

Future Plans

Work Orders will eventually allow viewing of the individual employees, materials and equipment used on a work order. Other summaries based on this individual data will eventually be made available. The extract from DAJR will be reviewed and revised and further breakdowns of Maintenance costs are planned. Other MOPS subsystems, such as Complaints, will be made available.

LAST UPDATES from MOPS
Work Orders includes work for FYs 2003-04 and 2004-05. Updated Wednesday following PE date.
Summaries available for 4 prior fiscal years. Year-to-date for current FY with most recent PE data.
Equipment from EQMS and Stock numbers from PIMS: updated every Friday night.
Functions, District-Gangs and Who's Who updated on demand.
Road Inventory: updated on demand, see page for date.

LaDOTD Equipment



This site is best viewed with a display setting of 1024 x 768.
Documentation, on the far left, contains a detailed overview of this site.

Welcome to the web site for DOTD Equipment. Here you will find information about equipment at DOTD that is available in EQUS on CICSPROD. As we migrate to ERP, data from EQMS is being copied to, and in some cases, modified, using EQUS. On this website you will find reporting capabilities previously not available in EQMS. Fuel data imported from the vendor and bulk fuel usage entered by the users is also available here. The equipment inquiries here replace those that were available on the MOPS site.

- Series Numbers - descriptions, usage rates, fema codes. Each equipment number belongs to a series.
- Numbered Equipment - vehicles, heavy equipment, boats
- Miscellaneous Equipment - chain saws, generators - numbers begin with "0"
- DOTD Bulk Fuel - For each location, each period ending, odometer and gallons to each equipment number
- Fueltrac Fuel - Transactions for Fuel and Maintenance charged on Fueltrac cards since Sept 1, 2009
- LPAA-ERP Info - Monthly data being created for load to LPAA (Protege)

LPAA, the Louisiana Property Assistance Agency, currently maintains a system called Protege where DOTD is required to keep an inventory of our equipment and movable property. The ERP system will be loading information from Protege. In addition to the inventory, fuel and maintenance records will also be loaded. An effort is being made using EQUS to load data that can be imported to ERP for testing and final conversion. Click on the LPAA-ERP Info link on the left of this page for additional information.

Questions, suggestions, or problems should be e-mailed one of the appropriate people:
Leslie Mix HQ Maintenance section
Bill Schear Equipment
Susan Nichols Info Technology section

LAST UPDATES
Equipment numbers updated nightly from EQMS/EQUS.
Fuel data imported monthly, approximatly the 5th of the month for prior month's purchases.

LaDOTD Equipment (EQUS)
Series Numbers/FEMA Codes

Series numbers contain a description, class, measurement of usage, cost associated with usage of the equipment, and FEMA code. Each equipment number has a "series number"; multiple pieces of equipment may be in the same series. Equipment numbers with "numbered equipment" usually begin with the series number. Miscellaneous equipment numbers always begin with a "0" and are followed by the district number. Their series numbers will always begin with "0" and may include the FEMA code.

Series Class Codes

Class Codes were established to group series codes together and especially to identify "Passenger" vehicles which have certain reporting requirements. Series ranges and related class codes are:

Series Codes	Equipment	Class Codes
00xxxx (FEMA) 09xxxx (other)	Miscellaneous	TOOL, TOOL GEN, TOOL SAW, TOOL MOW
100000 to 139000 181000 to 189000	Numbered	PASS CAR, PASS POL, PASS TRK, PASS VAN
140000 to 180000	Numbered	DUMP TRK, SIGN TRK, WORK TRK
200000 to 299000 800000 to 899000	Numbered	OFF-ROAD
300000 to 399000	Numbered	AIRCRAFT, MARINE, UTILITY

List series numbers and order by:

◉ Series ○ Class, Series ○ FEMA code, Series

Display Series Numbers

FEMA Codes and Equipment Rates

DOTD will begin using 2008 FEMA reimbursement rates as our rate approximately July 26, 2010. This is also the rate that is being used with the SAP Plant/Fleet module, where the FEMA code is called "activity code". The query below will display FEMA codes and the 2008 rates from the FEMA site along with the 30 character descriptions for the code that were established by LaGov.

List FEMA codes (activity codes) and order by:

◉ FEMA code ○ Description

Display FEMA codes

DOTD has associated a FEMA code with our Equipment Series numbers since Hurricane Katrina. If DOTD usage unit of measure differed from the FEMA unit of measure, DOTD worked with FEMA to determine a "FEMA rate" and the FEMA code was set as 9999. Current FEMA equipment codes and reimbursement rates may also be found at http://www.fema.gov/government/grant/pa/eqrates.shtm .

LaDOTD Equipment System (EQUS)
Equipment Reports

Defaults for each choice will cause everything to be listed.

Report Dist/Sect HQ - Headquarters Sections Date (YYYY-MM-DD)

Preventative Maintenance Reports on Passenger Vehicles (Must specify a date, can specify a dist/sect)

- (•) **Inspection less than yyyy-mm-dd**
- ( ) **Last oil less than yyyy-mm-dd**

Under Construction

General Equipment Reports (Can specify a series, class, report group)

Purchased Before Date

Purchased After Date

Odometer less than number

Odometer greater than number

Display Report

LaDOTD Equipment (EQUS)
Miscellaneous Equipment

Records are created and maintained by the Districts for items other than numbered equipment that need to be reported on maintenance work orders. Typically this includes chain saws and generators. An "equipment series" number is assigned to each miscellaneous number - click on "Series Numbers and FEMA" on the left for more information.

In ZWORD, Miscellaneous numbers begin with "F" for fake equipment number. F is added to the number shown here.
Ideally, the number is as follows... 0ddxxx. Some use the first 2 of the gang number for the first two x's. Series number will also begin with "0" and is usually 00ffff where ffff is the FEMA code.
Instructions for entering Miscellaneous Equipment EQUS in CICSPROD. (August 3, 2010)

View statewide counts by series class.
View count by district of series classes.

Miscellaneous Equipment from the EQUS (EQMS) system as of 2011-03-17 at 20.00.52

Specify selection criteria for Miscellaneous Equipment numbers.

Dist/Sect Gang Class all

Order-- Dist,Gang,Num Dist,Num Class,Dist,Num Equipment# PropertyTag

Display Equipment

Are these items used on Work Orders?

Property Control Items in Protege as "EQUIPMENT" or "ASSETS"
as of July 15, 2010

Specify selection criteria for PROTEGE records that may have or need Miscellaneous Numbers.

Dist/Sect 02 Gang

Order by: Asset Num Location,Number Asset Class,Location,Number Asset Class,Number,Location

Display Property Control

LaDOTD Equipment (EQUS)
Numbered Equipment

Equipment records are copied nightly from the Equipment Management system (EQMS) for "numbered" equipment. Numbered equipment includes all equipment numbered beginning with 100000 and higher. Lower equipment numbers for Miscellaneous Equipment such as chain saws and generators can be found under Miscellaneous Equipment on the left.

Equipment is assigned a six digit number, with each type of equipment having a six digit "series" number. Only "active" equipment is shown.
View series numbers and from the list you may select a series to view all equipment in it.
View counts by category (Passenger, trucks, etc.)
View all, by series number, district.
View all, by district, count of equipment.
View by district, count of each series class type.
View by district, count of each series number.

Below are various methods to select and list equipment from the EQUS (EQMS) system as of 2011-03-17 at 20.02.34.

Specify selection criteria for equipment numbers.

Dist/Sect Gang Equipment Series all series

Order by: (•) Series, Dist, Gang, Number ( ) Dist, Gang, Number ( ) Dist, Number ( ) Number

Display Equipment

Inquire on one piece of Equipment.

Equipment number (no dash) Search for Equipment Number

License number Search for License Number

Appendix S

De-icing/Anti-icing Agents-Statewide

2011 Use of De-icing/Anti-icing Agents-Statewide				
Date	City	Material	Unit of Measurement	Quantity
1/9/2011	Unknown	SALT, GRADE 1 (50 LB SACK)	Pounds	2600
1/10/2011	Unknown	SALT, GRADE 1 (50 LB SACK)	Pounds	1250
1/9/2011	Unknown	SALT, GRADE 1 (50 LB SACK)	Pounds	2500
1/10/2011	Unknown	SALT, GRADE 1 (50 LB SACK)	Pounds	50
1/10/2011	Unknown	SALT, GRADE 1 (50 LB SACK)	Pounds	50
1/9/2011	Unknown	SALT, GRADE 1 (50 LB SACK)	Pounds	1900
1/9/2011	Unknown	SALT, GRADE 1 (50 LB SACK)	Pounds	250
1/9/2011	Unknown	SALT, GRADE 1 (50 LB SACK)	Pounds	500
1/9/2011	Unknown	SALT, GRADE 1 (50 LB SACK)	Pounds	250
2/3/2011	Unknown	SALT, GRADE 1 (50 LB SACK)	Pounds	5850
2/4/2011	Unknown	SALT, GRADE 1 (50 LB SACK)	Pounds	6000
2/4/2011	Unknown	SALT, GRADE 1 (50 LB SACK)	Pounds	17000
2/4/2011	Unknown	SALT, GRADE 1 (50 LB SACK)	Pounds	58250
2/4/2011	Unknown	SALT, GRADE 1 (50 LB SACK)	Pounds	7350
2/4/2011	Unknown	SALT, GRADE 1 (50 LB SACK)	Pounds	2000
2/5/2011	Unknown	SALT, GRADE 1 (50 LB SACK)	Pounds	150
2/5/2011	Unknown	SALT, GRADE 1 (50 LB SACK)	Pounds	200
2/5/2011	Unknown	SALT, GRADE 1 (50 LB SACK)	Pounds	1500
2/5/2011	Unknown	SALT, GRADE 1 (50 LB SACK)	Pounds	6150
2/9/2011	Unknown	SALT, GRADE 1 (50 LB SACK)	Pounds	5650
2/10/2011	Unknown	SALT, GRADE 1 (50 LB SACK)	Pounds	150
2/9/2011	Unknown	SALT, GRADE 1 (50 LB SACK)	Pounds	800
		TOTAL		**120400**
1/10/2011	Abbeville	SALT, GRADE 1 (50 LB SACK)	Pounds	200
		TOTAL		**200**
1/9/2011	Alexandria	SALT, GRADE 1 (50 LB SACK)	Pounds	1000
2/3/2011	Alexandria	SALT, GRADE 1 (50 LB SACK)	Pounds	6250
2/4/2011	Alexandria	SALT, GRADE 1 (50 LB SACK)	Pounds	1100
2/5/2011	Alexandria	SALT, GRADE 1 (50 LB SACK)	Pounds	750
2/10/2011	Alexandria	SALT, GRADE 1 (50 LB SACK)	Pounds	4700
1/9/2011	Alexandria	SALT, GRADE 1 (80 LB SACK)	Pounds	1600
2/4/2011	Alexandria	SALT, GRADE 1 (80 LB SACK)	Pounds	2400
2/3/2011	Alexandria	SALT, GRADE 1 (80 LB SACK)	Pounds	19200
		TOTAL		**37000**

Date	City	Material	Unit of Measurement	Quantity
1/9/2011	Arcadia	SALT, GRADE 1 (80 LB SACK)	Pounds	2400
1/10/2011	Arcadia	SALT, GRADE 1 (80 LB SACK)	Pounds	1120
1/10/2011	Arcadia	SALT, GRADE 1 (80 LB SACK)	Pounds	9280
1/10/2011	Arcadia	SALT, GRADE 1 (80 LB SACK)	Pounds	5200
1/10/2011	Arcadia	SALT, GRADE 1 (80 LB SACK)	Pounds	1600
2/4/2011	Arcadia	SALT, GRADE 1 (80 LB SACK)	Pounds	16000
2/4/2011	Arcadia	SALT, GRADE 1 (80 LB SACK)	Pounds	36000
2/5/2011	Arcadia	SALT, GRADE 1 (80 LB SACK)	Pounds	7200
2/5/2011	Arcadia	SALT, GRADE 1 (80 LB SACK)	Pounds	5600
2/5/2011	Arcadia	SALT, GRADE 1 (80 LB SACK)	Pounds	7200
		TOTAL		**91600**
1/9/2011	Bastrop	SALT, GRADE 1 (50 LB SACK)	Pounds	750
1/9/2011	Bastrop	SALT, GRADE 1 (50 LB SACK)	Pounds	2000
1/9/2011	Bastrop	SALT, GRADE 1 (50 LB SACK)	Pounds	900
1/9/2011	Bastrop	SALT, GRADE 1 (50 LB SACK)	Pounds	800
1/9/2011	Bastrop	SALT, GRADE 1 (50 LB SACK)	Pounds	1000
1/9/2011	Bastrop	SALT, GRADE 1 (50 LB SACK)	Pounds	6500
1/9/2011	Bastrop	SALT, GRADE 1 (50 LB SACK)	Pounds	2500
1/9/2011	Bastrop	SALT, GRADE 1 (50 LB SACK)	Pounds	1250
1/9/2011	Bastrop	SALT, GRADE 1 (50 LB SACK)	Pounds	1750
1/9/2011	Bastrop	SALT, GRADE 1 (50 LB SACK)	Pounds	500
1/9/2011	Bastrop	SALT, GRADE 1 (50 LB SACK)	Pounds	600
1/9/2011	Bastrop	SALT, GRADE 1 (50 LB SACK)	Pounds	1250
1/9/2011	Bastrop	SALT, GRADE 1 (50 LB SACK)	Pounds	6500
1/9/2011	Bastrop	SALT, GRADE 1 (50 LB SACK)	Pounds	750
1/9/2011	Bastrop	SALT, GRADE 1 (50 LB SACK)	Pounds	800
1/9/2011	Bastrop	SALT, GRADE 1 (50 LB SACK)	Pounds	800
1/9/2011	Bastrop	SALT, GRADE 1 (50 LB SACK)	Pounds	750
1/9/2011	Bastrop	SALT, GRADE 1 (50 LB SACK)	Pounds	650
1/9/2011	Bastrop	SALT, GRADE 1 (50 LB SACK)	Pounds	650
1/9/2011	Bastrop	SALT, GRADE 1 (50 LB SACK)	Pounds	750
1/9/2011	Bastrop	SALT, GRADE 1 (50 LB SACK)	Pounds	150
1/9/2011	Bastrop	SALT, GRADE 1 (50 LB SACK)	Pounds	1100
1/10/2011	Bastrop	SALT, GRADE 1 (50 LB SACK)	Pounds	200
1/10/2011	Bastrop	SALT, GRADE 1 (50 LB SACK)	Pounds	250
1/10/2011	Bastrop	SALT, GRADE 1 (50 LB SACK)	Pounds	250
1/10/2011	Bastrop	SALT, GRADE 1 (50 LB SACK)	Pounds	300

Date	City	Material	Unit of Measurement	Quantity
1/10/2011	Bastrop	SALT, GRADE 1 (50 LB SACK)	Pounds	300
1/10/2011	Bastrop	SALT, GRADE 1 (50 LB SACK)	Pounds	500
1/10/2011	Bastrop	SALT, GRADE 1 (50 LB SACK)	Pounds	250
1/10/2011	Bastrop	SALT, GRADE 1 (50 LB SACK)	Pounds	150
1/10/2011	Bastrop	SALT, GRADE 1 (50 LB SACK)	Pounds	300
1/10/2011	Bastrop	SALT, GRADE 1 (50 LB SACK)	Pounds	650
1/10/2011	Bastrop	SALT, GRADE 1 (50 LB SACK)	Pounds	250
1/10/2011	Bastrop	SALT, GRADE 1 (50 LB SACK)	Pounds	300
1/10/2011	Bastrop	SALT, GRADE 1 (50 LB SACK)	Pounds	250
1/10/2011	Bastrop	SALT, GRADE 1 (50 LB SACK)	Pounds	250
1/10/2011	Bastrop	SALT, GRADE 1 (50 LB SACK)	Pounds	300
2/4/2011	Bastrop	SALT, GRADE 1 (50 LB SACK)	Pounds	500
2/4/2011	Bastrop	SALT, GRADE 1 (50 LB SACK)	Pounds	300
2/4/2011	Bastrop	SALT, GRADE 1 (50 LB SACK)	Pounds	200
2/4/2011	Bastrop	SALT, GRADE 1 (50 LB SACK)	Pounds	300
2/4/2011	Bastrop	SALT, GRADE 1 (50 LB SACK)	Pounds	400
2/4/2011	Bastrop	SALT, GRADE 1 (50 LB SACK)	Pounds	200
2/4/2011	Bastrop	SALT, GRADE 1 (50 LB SACK)	Pounds	200
2/4/2011	Bastrop	SALT, GRADE 1 (50 LB SACK)	Pounds	200
2/4/2011	Bastrop	SALT, GRADE 1 (50 LB SACK)	Pounds	300
2/4/2011	Bastrop	SALT, GRADE 1 (50 LB SACK)	Pounds	100
2/4/2011	Bastrop	SALT, GRADE 1 (50 LB SACK)	Pounds	200
2/4/2011	Bastrop	SALT, GRADE 1 (50 LB SACK)	Pounds	250
2/4/2011	Bastrop	SALT, GRADE 1 (50 LB SACK)	Pounds	200
2/4/2011	Bastrop	SALT, GRADE 1 (50 LB SACK)	Pounds	300
2/4/2011	Bastrop	SALT, GRADE 1 (50 LB SACK)	Pounds	200
2/4/2011	Bastrop	SALT, GRADE 1 (50 LB SACK)	Pounds	300
2/4/2011	Bastrop	SALT, GRADE 1 (50 LB SACK)	Pounds	200
2/4/2011	Bastrop	SALT, GRADE 1 (50 LB SACK)	Pounds	500
2/4/2011	Bastrop	SALT, GRADE 1 (50 LB SACK)	Pounds	200
2/4/2011	Bastrop	SALT, GRADE 1 (50 LB SACK)	Pounds	300
2/4/2011	Bastrop	SALT, GRADE 1 (50 LB SACK)	Pounds	200
2/4/2011	Bastrop	SALT, GRADE 1 (50 LB SACK)	Pounds	200
2/4/2011	Bastrop	SALT, GRADE 1 (50 LB SACK)	Pounds	500
2/5/2011	Bastrop	SALT, GRADE 1 (50 LB SACK)	Pounds	200
2/5/2011	Bastrop	SALT, GRADE 1 (50 LB SACK)	Pounds	200
2/5/2011	Bastrop	SALT, GRADE 1 (50 LB SACK)	Pounds	300
2/5/2011	Bastrop	SALT, GRADE 1 (50 LB SACK)	Pounds	300

Date	City	Material	Unit of Measurement	Quantity
2/5/2011	Bastrop	SALT, GRADE 1 (50 LB SACK)	Pounds	100
2/5/2011	Bastrop	SALT, GRADE 1 (50 LB SACK)	Pounds	100
2/5/2011	Bastrop	SALT, GRADE 1 (50 LB SACK)	Pounds	500
2/5/2011	Bastrop	SALT, GRADE 1 (50 LB SACK)	Pounds	200
2/5/2011	Bastrop	SALT, GRADE 1 (50 LB SACK)	Pounds	200
2/5/2011	Bastrop	SALT, GRADE 1 (50 LB SACK)	Pounds	200
2/5/2011	Bastrop	SALT, GRADE 1 (50 LB SACK)	Pounds	200
2/5/2011	Bastrop	SALT, GRADE 1 (50 LB SACK)	Pounds	500
2/5/2011	Bastrop	SALT, GRADE 1 (50 LB SACK)	Pounds	400
2/5/2011	Bastrop	SALT, GRADE 1 (50 LB SACK)	Pounds	400
2/5/2011	Bastrop	SALT, GRADE 1 (50 LB SACK)	Pounds	600
2/5/2011	Bastrop	SALT, GRADE 1 (50 LB SACK)	Pounds	300
2/5/2011	Bastrop	SALT, GRADE 1 (50 LB SACK)	Pounds	500
2/5/2011	Bastrop	SALT, GRADE 1 (50 LB SACK)	Pounds	400
2/5/2011	Bastrop	SALT, GRADE 1 (50 LB SACK)	Pounds	300
2/4/2011	Bastrop	SALT, GRADE 1 (50 LB SACK)	Pounds	300
2/4/2011	Bastrop	SALT, GRADE 1 (50 LB SACK)	Pounds	200
2/4/2011	Bastrop	SALT, GRADE 1 (50 LB SACK)	Pounds	300
2/4/2011	Bastrop	SALT, GRADE 1 (50 LB SACK)	Pounds	400
2/4/2011	Bastrop	SALT, GRADE 1 (50 LB SACK)	Pounds	300
2/4/2011	Bastrop	SALT, GRADE 1 (50 LB SACK)	Pounds	600
2/4/2011	Bastrop	SALT, GRADE 1 (50 LB SACK)	Pounds	500
2/4/2011	Bastrop	SALT, GRADE 1 (50 LB SACK)	Pounds	500
2/4/2011	Bastrop	SALT, GRADE 1 (50 LB SACK)	Pounds	1000
2/4/2011	Bastrop	SALT, GRADE 1 (50 LB SACK)	Pounds	750
2/4/2011	Bastrop	SALT, GRADE 1 (50 LB SACK)	Pounds	500
2/4/2011	Bastrop	SALT, GRADE 1 (50 LB SACK)	Pounds	400
2/4/2011	Bastrop	SALT, GRADE 1 (50 LB SACK)	Pounds	750
2/4/2011	Bastrop	SALT, GRADE 1 (50 LB SACK)	Pounds	750
2/4/2011	Bastrop	SALT, GRADE 1 (50 LB SACK)	Pounds	600
2/4/2011	Bastrop	SALT, GRADE 1 (50 LB SACK)	Pounds	500
2/4/2011	Bastrop	SALT, GRADE 1 (50 LB SACK)	Pounds	400
2/4/2011	Bastrop	SALT, GRADE 1 (50 LB SACK)	Pounds	550
2/4/2011	Bastrop	SALT, GRADE 1 (50 LB SACK)	Pounds	500
2/4/2011	Bastrop	SALT, GRADE 1 (50 LB SACK)	Pounds	700
2/4/2011	Bastrop	SALT, GRADE 1 (50 LB SACK)	Pounds	500
2/4/2011	Bastrop	SALT, GRADE 1 (50 LB SACK)	Pounds	400
2/4/2011	Bastrop	SALT, GRADE 1 (50 LB SACK)	Pounds	1250

Date	City	Material	Unit of Measurement	Quantity
2/10/2011	Bastrop	SALT, GRADE 1 (50 LB SACK)	Pounds	300
2/10/2011	Bastrop	SALT, GRADE 1 (50 LB SACK)	Pounds	200
2/10/2011	Bastrop	SALT, GRADE 1 (50 LB SACK)	Pounds	200
2/10/2011	Bastrop	SALT, GRADE 1 (50 LB SACK)	Pounds	500
2/10/2011	Bastrop	SALT, GRADE 1 (50 LB SACK)	Pounds	300
2/10/2011	Bastrop	SALT, GRADE 1 (50 LB SACK)	Pounds	200
2/10/2011	Bastrop	SALT, GRADE 1 (50 LB SACK)	Pounds	300
2/10/2011	Bastrop	SALT, GRADE 1 (50 LB SACK)	Pounds	300
2/10/2011	Bastrop	SALT, GRADE 1 (50 LB SACK)	Pounds	300
2/10/2011	Bastrop	SALT, GRADE 1 (50 LB SACK)	Pounds	350
2/10/2011	Bastrop	SALT, GRADE 1 (50 LB SACK)	Pounds	350
2/10/2011	Bastrop	SALT, GRADE 1 (50 LB SACK)	Pounds	350
2/10/2011	Bastrop	SALT, GRADE 1 (50 LB SACK)	Pounds	350
2/10/2011	Bastrop	SALT, GRADE 1 (50 LB SACK)	Pounds	400
2/10/2011	Bastrop	SALT, GRADE 1 (50 LB SACK)	Pounds	300
2/10/2011	Bastrop	SALT, GRADE 1 (50 LB SACK)	Pounds	200
2/10/2011	Bastrop	SALT, GRADE 1 (50 LB SACK)	Pounds	500
2/10/2011	Bastrop	SALT, GRADE 1 (50 LB SACK)	Pounds	500
2/10/2011	Bastrop	SALT, GRADE 1 (50 LB SACK)	Pounds	500
2/10/2011	Bastrop	SALT, GRADE 1 (50 LB SACK)	Pounds	500
2/10/2011	Bastrop	SALT, GRADE 1 (50 LB SACK)	Pounds	650
2/10/2011	Bastrop	SALT, GRADE 1 (50 LB SACK)	Pounds	200
2/10/2011	Bastrop	SALT, GRADE 1 (50 LB SACK)	Pounds	200
1/10/2011	Bastrop	SALT, GRADE 1 (50 LB SACK)	Pounds	200
2/9/2011	Bastrop	SALT, GRADE 1 (50 LB SACK)	Pounds	300
2/9/2011	Bastrop	SALT, GRADE 1 (50 LB SACK)	Pounds	200
2/9/2011	Bastrop	SALT, GRADE 1 (50 LB SACK)	Pounds	250
2/9/2011	Bastrop	SALT, GRADE 1 (50 LB SACK)	Pounds	300
2/9/2011	Bastrop	SALT, GRADE 1 (50 LB SACK)	Pounds	300
2/9/2011	Bastrop	SALT, GRADE 1 (50 LB SACK)	Pounds	200
2/9/2011	Bastrop	SALT, GRADE 1 (50 LB SACK)	Pounds	300
2/9/2011	Bastrop	SALT, GRADE 1 (50 LB SACK)	Pounds	200
2/9/2011	Bastrop	SALT, GRADE 1 (50 LB SACK)	Pounds	200
2/9/2011	Bastrop	SALT, GRADE 1 (50 LB SACK)	Pounds	100
2/9/2011	Bastrop	SALT, GRADE 1 (50 LB SACK)	Pounds	100
2/9/2011	Bastrop	SALT, GRADE 1 (50 LB SACK)	Pounds	300
2/9/2011	Bastrop	SALT, GRADE 1 (50 LB SACK)	Pounds	200
2/9/2011	Bastrop	SALT, GRADE 1 (50 LB SACK)	Pounds	200

Date	City	Material	Unit of Measurement	Quantity
2/9/2011	Bastrop	SALT, GRADE 1 (50 LB SACK)	Pounds	100
2/9/2011	Bastrop	SALT, GRADE 1 (50 LB SACK)	Pounds	300
2/9/2011	Bastrop	SALT, GRADE 1 (50 LB SACK)	Pounds	200
2/9/2011	Bastrop	SALT, GRADE 1 (50 LB SACK)	Pounds	300
2/9/2011	Bastrop	SALT, GRADE 1 (50 LB SACK)	Pounds	300
2/9/2011	Bastrop	SALT, GRADE 1 (50 LB SACK)	Pounds	100
2/9/2011	Bastrop	SALT, GRADE 1 (50 LB SACK)	Pounds	300
2/9/2011	Bastrop	SALT, GRADE 1 (50 LB SACK)	Pounds	200
2/9/2011	Bastrop	SALT, GRADE 1 (50 LB SACK)	Pounds	300
2/9/2011	Bastrop	SALT, GRADE 1 (50 LB SACK)	Pounds	200
2/9/2011	Bastrop	SALT, GRADE 1 (50 LB SACK)	Pounds	300
2/9/2011	Bastrop	SALT, GRADE 1 (50 LB SACK)	Pounds	300
		TOTAL		**76200**
1/9/2011	Baton Rouge	SALT, GRADE 1 (50 LB SACK)	Pounds	250
1/9/2011	Baton Rouge	SALT, GRADE 1 (50 LB SACK)	Pounds	250
2/3/2011	Baton Rouge	SALT, GRADE 1 (50 LB SACK)	Pounds	250
2/4/2011	Baton Rouge	SALT, GRADE 1 (50 LB SACK)	Pounds	200
		TOTAL		**950**
1/9/2011	Bossier	SALT, GRADE 1 (50 LB SACK)	Pounds	14700
1/9/2011	Bossier	SALT, GRADE 1 (50 LB SACK)	Pounds	2850
1/9/2011	Bossier	SALT, GRADE 1 (50 LB SACK)	Pounds	1475
1/9/2011	Bossier	SALT, GRADE 1 (50 LB SACK)	Pounds	2862.5
1/9/2011	Bossier	SALT, GRADE 1 (50 LB SACK)	Pounds	68600
1/10/2011	Bossier	SALT, GRADE 1 (50 LB SACK)	Pounds	14700
1/10/2011	Bossier	SALT, GRADE 1 (50 LB SACK)	Pounds	19100
1/10/2011	Bossier	SALT, GRADE 1 (50 LB SACK)	Pounds	1650
1/10/2011	Bossier	SALT, GRADE 1 (50 LB SACK)	Pounds	3900
1/11/2011	Bossier	SALT, GRADE 1 (50 LB SACK)	Pounds	750
1/11/2011	Bossier	SALT, GRADE 1 (50 LB SACK)	Pounds	2250
2/3/2011	Bossier	SALT, GRADE 1 (50 LB SACK)	Pounds	6000
2/3/2011	Bossier	SALT, GRADE 1 (50 LB SACK)	Pounds	4450
2/3/2011	Bossier	SALT, GRADE 1 (50 LB SACK)	Pounds	11250
2/3/2011	Bossier	SALT, GRADE 1 (50 LB SACK)	Pounds	800
2/3/2011	Bossier	SALT, GRADE 1 (50 LB SACK)	Pounds	7500
2/3/2011	Bossier	SALT, GRADE 1 (50 LB SACK)	Pounds	1500
2/3/2011	Bossier	SALT, GRADE 1 (50 LB SACK)	Pounds	14700

Date	City	Material	Unit of Measurement	Quantity
2/4/2011	Bossier	SALT, GRADE 1 (50 LB SACK)	Pounds	7750
2/10/2011	Bossier	SALT, GRADE 1 (50 LB SACK)	Pounds	3500
2/9/2011	Bossier	SALT, GRADE 1 (50 LB SACK)	Pounds	31200
		TOTAL		**221487.5**
2/3/2011	Calcasieu	AGGREGATE,LIGHTWEIGHT,F/DEICING	Cubic Yards	68
2/4/2011	Calcasieu	AGGREGATE,LIGHTWEIGHT,F/DEICING	Cubic Yards	53
		TOTAL		**121**
1/9/2011	Castor	SALT, GRADE 1 (80 LB SACK)	Pounds	16880
		TOTAL		**16880**
1/9/2011	Chase	SALT, GRADE 1 (50 LB SACK)	Pounds	50
2/4/2011	Chase	SALT, GRADE 1 (50 LB SACK)	Pounds	1350
2/4/2011	Chase	SALT, GRADE 1 (50 LB SACK)	Pounds	1350
2/4/2011	Chase	SALT, GRADE 1 (50 LB SACK)	Pounds	1350
2/4/2011	Chase	SALT, GRADE 1 (50 LB SACK)	Pounds	1350
2/9/2011	Chase	SALT, GRADE 1 (50 LB SACK)	Pounds	300
2/9/2011	Chase	SALT, GRADE 1 (50 LB SACK)	Pounds	300
2/9/2011	Chase	SALT, GRADE 1 (50 LB SACK)	Pounds	1050
2/9/2011	Chase	SALT, GRADE 1 (50 LB SACK)	Pounds	500
2/9/2011	Chase	SALT, GRADE 1 (50 LB SACK)	Pounds	450
2/9/2011	Chase	SALT, GRADE 1 (50 LB SACK)	Pounds	600
2/9/2011	Chase	SALT, GRADE 1 (50 LB SACK)	Pounds	600
2/9/2011	Chase	SALT, GRADE 1 (50 LB SACK)	Pounds	400
2/9/2011	Chase	SALT, GRADE 1 (50 LB SACK)	Pounds	400
2/9/2011	Chase	SALT, GRADE 1 (50 LB SACK)	Pounds	400
2/9/2011	Chase	SALT, GRADE 1 (50 LB SACK)	Pounds	400
2/9/2011	Chase	SALT, GRADE 1 (50 LB SACK)	Pounds	400
1/9/2011	Chase	SALT, GRADE 1 (80 LB SACK)	Pounds	240
2/4/2011	Chase	SALT, GRADE 1 (80 LB SACK)	Pounds	640
2/4/2011	Chase	SALT, GRADE 1 (80 LB SACK)	Pounds	720
2/9/2011	Chase	SALT, GRADE 1 (80 LB SACK)	Pounds	640
		TOTAL		**13490**
1/9/2011	Columbia	SALT, GRADE 1 (50 LB SACK)	Pounds	1750
1/9/2011	Columbia	SALT, GRADE 1 (50 LB SACK)	Pounds	400
1/9/2011	Columbia	SALT, GRADE 1 (50 LB SACK)	Pounds	400

Date	City	Material	Unit of Measurement	Quantity
1/10/2011	Columbia	SALT, GRADE 1 (50 LB SACK)	Pounds	400
1/10/2011	Columbia	SALT, GRADE 1 (50 LB SACK)	Pounds	150
2/3/2011	Columbia	SALT, GRADE 1 (50 LB SACK)	Pounds	1000
2/3/2011	Columbia	SALT, GRADE 1 (50 LB SACK)	Pounds	1750
2/3/2011	Columbia	SALT, GRADE 1 (50 LB SACK)	Pounds	750
2/3/2011	Columbia	SALT, GRADE 1 (50 LB SACK)	Pounds	750
2/3/2011	Columbia	SALT, GRADE 1 (50 LB SACK)	Pounds	1500
2/3/2011	Columbia	SALT, GRADE 1 (50 LB SACK)	Pounds	2800
2/3/2011	Columbia	SALT, GRADE 1 (50 LB SACK)	Pounds	500
2/4/2011	Columbia	SALT, GRADE 1 (50 LB SACK)	Pounds	1000
2/4/2011	Columbia	SALT, GRADE 1 (50 LB SACK)	Pounds	1750
2/4/2011	Columbia	SALT, GRADE 1 (50 LB SACK)	Pounds	1750
2/4/2011	Columbia	SALT, GRADE 1 (50 LB SACK)	Pounds	1250
2/4/2011	Columbia	SALT, GRADE 1 (50 LB SACK)	Pounds	400
2/4/2011	Columbia	SALT, GRADE 1 (50 LB SACK)	Pounds	1000
2/4/2011	Columbia	SALT, GRADE 1 (50 LB SACK)	Pounds	750
2/9/2011	Columbia	SALT, GRADE 1 (50 LB SACK)	Pounds	950
2/10/2011	Columbia	SALT, GRADE 1 (50 LB SACK)	Pounds	750
2/10/2011	Columbia	SALT, GRADE 1 (50 LB SACK)	Pounds	250
2/10/2011	Columbia	SALT, GRADE 1 (50 LB SACK)	Pounds	750
2/10/2011	Columbia	SALT, GRADE 1 (50 LB SACK)	Pounds	250
2/10/2011	Columbia	SALT, GRADE 1 (50 LB SACK)	Pounds	150
2/10/2011	Columbia	SALT, GRADE 1 (50 LB SACK)	Pounds	100
2/9/2011	Columbia	SALT, GRADE 1 (50 LB SACK)	Pounds	1250
2/3/2011	Columbia	SALT, GRADE 1 (80 LB SACK)	Pounds	320
		TOTAL		**24820**
2/10/2011	Coushatta	SALT, GRADE 1 (50 LB SACK)	Pounds	2450
1/10/2011	Coushatta	SALT, GRADE 1 (80 LB SACK)	Pounds	1600
1/10/2011	Coushatta	SALT, GRADE 1 (80 LB SACK)	Pounds	1200
1/10/2011	Coushatta	SALT, GRADE 1 (80 LB SACK)	Pounds	800
1/10/2011	Coushatta	SALT, GRADE 1 (80 LB SACK)	Pounds	1600
2/4/2011	Coushatta	SALT, GRADE 1 (80 LB SACK)	Pounds	3200
2/4/2011	Coushatta	SALT, GRADE 1 (80 LB SACK)	Pounds	3200
2/4/2011	Coushatta	SALT, GRADE 1 (80 LB SACK)	Pounds	3200
2/4/2011	Coushatta	SALT, GRADE 1 (80 LB SACK)	Pounds	7200
2/4/2011	Coushatta	SALT, GRADE 1 (80 LB SACK)	Pounds	7600
2/4/2011	Coushatta	SALT, GRADE 1 (80 LB SACK)	Pounds	7600

Date	City	Material	Unit of Measurement	Quantity
2/4/2011	Coushatta	SALT, GRADE 1 (80 LB SACK)	Pounds	4000
2/4/2011	Coushatta	SALT, GRADE 1 (80 LB SACK)	Pounds	4000
2/4/2011	Coushatta	SALT, GRADE 1 (80 LB SACK)	Pounds	4000
2/4/2011	Coushatta	SALT, GRADE 1 (80 LB SACK)	Pounds	3200
2/4/2011	Coushatta	SALT, GRADE 1 (80 LB SACK)	Pounds	3200
2/4/2011	Coushatta	SALT, GRADE 1 (80 LB SACK)	Pounds	1200
2/5/2011	Coushatta	SALT, GRADE 1 (80 LB SACK)	Pounds	800
2/5/2011	Coushatta	SALT, GRADE 1 (80 LB SACK)	Pounds	800
2/5/2011	Coushatta	SALT, GRADE 1 (80 LB SACK)	Pounds	800
2/5/2011	Coushatta	SALT, GRADE 1 (80 LB SACK)	Pounds	400
1/9/2011	Coushatta	SALT, GRADE 1 (80 LB SACK)	Pounds	8000
1/9/2011	Coushatta	SALT, GRADE 1 (80 LB SACK)	Pounds	6000
2/3/2011	Coushatta	SALT, GRADE 1 (80 LB SACK)	Pounds	1200
2/3/2011	Coushatta	SALT, GRADE 1 (80 LB SACK)	Pounds	6000
		TOTAL		**83250**
2/3/2011	Creole	AGGREGATE,LIGHTWEIGHT,F/DEICING	Cubic Yards	5
2/3/2011	Creole	AGGREGATE,LIGHTWEIGHT,F/DEICING	Cubic Yards	8
2/4/2011	Creole	AGGREGATE,LIGHTWEIGHT,F/DEICING	Cubic Yards	1
2/4/2011	Creole	AGGREGATE,LIGHTWEIGHT,F/DEICING	Cubic Yards	1
2/4/2011	Creole	AGGREGATE,LIGHTWEIGHT,F/DEICING	Cubic Yards	4
		TOTAL		**19**
2/3/2011	DeRidder	AGGREGATE,LIGHTWEIGHT,F/DEICING	Cubic Yards	12.5
2/4/2011	DeRidder	AGGREGATE,LIGHTWEIGHT,F/DEICING	Cubic Yards	12.5
		TOTAL		**25**
1/9/2011	DryProng	SALT, GRADE 1 (50 LB SACK)	Pounds	300
1/9/2011	DryProng	SALT, GRADE 1 (50 LB SACK)	Pounds	1150
2/3/2011	DryProng	SALT, GRADE 1 (50 LB SACK)	Pounds	350
2/3/2011	DryProng	SALT, GRADE 1 (50 LB SACK)	Pounds	4100
2/3/2011	DryProng	SALT, GRADE 1 (50 LB SACK)	Pounds	100
2/3/2011	DryProng	SALT, GRADE 1 (50 LB SACK)	Pounds	200
2/3/2011	DryProng	SALT, GRADE 1 (50 LB SACK)	Pounds	150
2/3/2011	DryProng	SALT, GRADE 1 (50 LB SACK)	Pounds	150
2/3/2011	DryProng	SALT, GRADE 1 (50 LB SACK)	Pounds	100
2/3/2011	DryProng	SALT, GRADE 1 (50 LB SACK)	Pounds	400
2/3/2011	DryProng	SALT, GRADE 1 (50 LB SACK)	Pounds	150

Date	City	Material	Unit of Measurement	Quantity
2/4/2011	DryProng	SALT, GRADE 1 (50 LB SACK)	Pounds	250
2/4/2011	DryProng	SALT, GRADE 1 (50 LB SACK)	Pounds	250
2/4/2011	DryProng	SALT, GRADE 1 (50 LB SACK)	Pounds	250
2/4/2011	DryProng	SALT, GRADE 1 (50 LB SACK)	Pounds	100
2/4/2011	DryProng	SALT, GRADE 1 (50 LB SACK)	Pounds	1450
2/4/2011	DryProng	SALT, GRADE 1 (50 LB SACK)	Pounds	1350
2/4/2011	DryProng	SALT, GRADE 1 (50 LB SACK)	Pounds	500
2/4/2011	DryProng	SALT, GRADE 1 (50 LB SACK)	Pounds	500
2/4/2011	DryProng	SALT, GRADE 1 (50 LB SACK)	Pounds	300
2/4/2011	DryProng	SALT, GRADE 1 (50 LB SACK)	Pounds	250
2/4/2011	DryProng	SALT, GRADE 1 (50 LB SACK)	Pounds	350
2/5/2011	DryProng	SALT, GRADE 1 (50 LB SACK)	Pounds	600
2/4/2011	DryProng	SALT, GRADE 1 (50 LB SACK)	Pounds	1500
2/4/2011	DryProng	SALT, GRADE 1 (50 LB SACK)	Pounds	700
2/9/2011	DryProng	SALT, GRADE 1 (50 LB SACK)	Pounds	250
		TOTAL		**15750**
1/9/2011	Farmerville	SALT, GRADE 1 (50 LB SACK)	Pounds	7000
1/10/2011	Farmerville	SALT, GRADE 1 (50 LB SACK)	Pounds	600
1/11/2011	Farmerville	SALT, GRADE 1 (50 LB SACK)	Pounds	650
1/9/2011	Farmerville	SALT, GRADE 1 (50 LB SACK)	Pounds	800
1/10/2011	Farmerville	SALT, GRADE 1 (50 LB SACK)	Pounds	850
1/10/2011	Farmerville	SALT, GRADE 1 (50 LB SACK)	Pounds	750
1/10/2011	Farmerville	SALT, GRADE 1 (50 LB SACK)	Pounds	1250
1/10/2011	Farmerville	SALT, GRADE 1 (50 LB SACK)	Pounds	750
1/10/2011	Farmerville	SALT, GRADE 1 (50 LB SACK)	Pounds	850
1/10/2011	Farmerville	SALT, GRADE 1 (50 LB SACK)	Pounds	1050
1/10/2011	Farmerville	SALT, GRADE 1 (50 LB SACK)	Pounds	1250
1/10/2011	Farmerville	SALT, GRADE 1 (50 LB SACK)	Pounds	1700
1/10/2011	Farmerville	SALT, GRADE 1 (50 LB SACK)	Pounds	1150
1/10/2011	Farmerville	SALT, GRADE 1 (50 LB SACK)	Pounds	850
1/10/2011	Farmerville	SALT, GRADE 1 (50 LB SACK)	Pounds	850
1/10/2011	Farmerville	SALT, GRADE 1 (50 LB SACK)	Pounds	750
1/10/2011	Farmerville	SALT, GRADE 1 (50 LB SACK)	Pounds	400
1/10/2011	Farmerville	SALT, GRADE 1 (50 LB SACK)	Pounds	250
1/10/2011	Farmerville	SALT, GRADE 1 (50 LB SACK)	Pounds	500
2/4/2011	Farmerville	SALT, GRADE 1 (50 LB SACK)	Pounds	1750
2/4/2011	Farmerville	SALT, GRADE 1 (50 LB SACK)	Pounds	850

Date	City	Material	Unit of Measurement	Quantity
2/4/2011	Farmerville	SALT, GRADE 1 (50 LB SACK)	Pounds	1700
2/4/2011	Farmerville	SALT, GRADE 1 (50 LB SACK)	Pounds	800
2/4/2011	Farmerville	SALT, GRADE 1 (50 LB SACK)	Pounds	850
2/4/2011	Farmerville	SALT, GRADE 1 (50 LB SACK)	Pounds	850
2/4/2011	Farmerville	SALT, GRADE 1 (50 LB SACK)	Pounds	1250
2/4/2011	Farmerville	SALT, GRADE 1 (50 LB SACK)	Pounds	750
2/4/2011	Farmerville	SALT, GRADE 1 (50 LB SACK)	Pounds	750
2/4/2011	Farmerville	SALT, GRADE 1 (50 LB SACK)	Pounds	750
2/4/2011	Farmerville	SALT, GRADE 1 (50 LB SACK)	Pounds	850
2/4/2011	Farmerville	SALT, GRADE 1 (50 LB SACK)	Pounds	500
2/4/2011	Farmerville	SALT, GRADE 1 (50 LB SACK)	Pounds	1250
2/4/2011	Farmerville	SALT, GRADE 1 (50 LB SACK)	Pounds	1250
2/4/2011	Farmerville	SALT, GRADE 1 (50 LB SACK)	Pounds	850
2/4/2011	Farmerville	SALT, GRADE 1 (50 LB SACK)	Pounds	750
2/4/2011	Farmerville	SALT, GRADE 1 (50 LB SACK)	Pounds	750
2/4/2011	Farmerville	SALT, GRADE 1 (50 LB SACK)	Pounds	300
2/4/2011	Farmerville	SALT, GRADE 1 (50 LB SACK)	Pounds	100
2/4/2011	Farmerville	SALT, GRADE 1 (50 LB SACK)	Pounds	50
2/4/2011	Farmerville	SALT, GRADE 1 (50 LB SACK)	Pounds	50
2/4/2011	Farmerville	SALT, GRADE 1 (50 LB SACK)	Pounds	100
2/4/2011	Farmerville	SALT, GRADE 1 (50 LB SACK)	Pounds	10400
2/4/2011	Farmerville	SALT, GRADE 1 (50 LB SACK)	Pounds	150
2/4/2011	Farmerville	SALT, GRADE 1 (50 LB SACK)	Pounds	150
2/5/2011	Farmerville	SALT, GRADE 1 (50 LB SACK)	Pounds	500
2/5/2011	Farmerville	SALT, GRADE 1 (50 LB SACK)	Pounds	300
2/5/2011	Farmerville	SALT, GRADE 1 (50 LB SACK)	Pounds	200
2/5/2011	Farmerville	SALT, GRADE 1 (50 LB SACK)	Pounds	500
2/5/2011	Farmerville	SALT, GRADE 1 (50 LB SACK)	Pounds	500
2/5/2011	Farmerville	SALT, GRADE 1 (50 LB SACK)	Pounds	500
2/4/2011	Farmerville	SALT, GRADE 1 (50 LB SACK)	Pounds	950
2/4/2011	Farmerville	SALT, GRADE 1 (50 LB SACK)	Pounds	600
2/4/2011	Farmerville	SALT, GRADE 1 (50 LB SACK)	Pounds	550
2/4/2011	Farmerville	SALT, GRADE 1 (50 LB SACK)	Pounds	200
2/4/2011	Farmerville	SALT, GRADE 1 (50 LB SACK)	Pounds	600
2/4/2011	Farmerville	SALT, GRADE 1 (50 LB SACK)	Pounds	300
2/4/2011	Farmerville	SALT, GRADE 1 (50 LB SACK)	Pounds	200
2/4/2011	Farmerville	SALT, GRADE 1 (50 LB SACK)	Pounds	550
2/4/2011	Farmerville	SALT, GRADE 1 (50 LB SACK)	Pounds	450

Date	City	Material	Unit of Measurement	Quantity
2/4/2011	Farmerville	SALT, GRADE 1 (50 LB SACK)	Pounds	200
2/4/2011	Farmerville	SALT, GRADE 1 (50 LB SACK)	Pounds	200
2/4/2011	Farmerville	SALT, GRADE 1 (50 LB SACK)	Pounds	750
2/4/2011	Farmerville	SALT, GRADE 1 (50 LB SACK)	Pounds	500
2/4/2011	Farmerville	SALT, GRADE 1 (50 LB SACK)	Pounds	1600
2/9/2011	Farmerville	SALT, GRADE 1 (50 LB SACK)	Pounds	100
2/9/2011	Farmerville	SALT, GRADE 1 (50 LB SACK)	Pounds	100
2/9/2011	Farmerville	SALT, GRADE 1 (50 LB SACK)	Pounds	150
2/9/2011	Farmerville	SALT, GRADE 1 (50 LB SACK)	Pounds	100
2/9/2011	Farmerville	SALT, GRADE 1 (50 LB SACK)	Pounds	1050
2/9/2011	Farmerville	SALT, GRADE 1 (50 LB SACK)	Pounds	600
2/9/2011	Farmerville	SALT, GRADE 1 (50 LB SACK)	Pounds	700
2/9/2011	Farmerville	SALT, GRADE 1 (50 LB SACK)	Pounds	350
2/9/2011	Farmerville	SALT, GRADE 1 (50 LB SACK)	Pounds	450
2/9/2011	Farmerville	SALT, GRADE 1 (50 LB SACK)	Pounds	550
2/10/2011	Farmerville	SALT, GRADE 1 (50 LB SACK)	Pounds	300
2/10/2011	Farmerville	SALT, GRADE 1 (50 LB SACK)	Pounds	300
2/10/2011	Farmerville	SALT, GRADE 1 (50 LB SACK)	Pounds	200
2/10/2011	Farmerville	SALT, GRADE 1 (50 LB SACK)	Pounds	200
2/10/2011	Farmerville	SALT, GRADE 1 (50 LB SACK)	Pounds	350
2/10/2011	Farmerville	SALT, GRADE 1 (50 LB SACK)	Pounds	450
2/10/2011	Farmerville	SALT, GRADE 1 (50 LB SACK)	Pounds	600
2/10/2011	Farmerville	SALT, GRADE 1 (50 LB SACK)	Pounds	200
2/10/2011	Farmerville	SALT, GRADE 1 (50 LB SACK)	Pounds	350
2/10/2011	Farmerville	SALT, GRADE 1 (50 LB SACK)	Pounds	200
2/10/2011	Farmerville	SALT, GRADE 1 (50 LB SACK)	Pounds	300
2/10/2011	Farmerville	SALT, GRADE 1 (50 LB SACK)	Pounds	600
2/10/2011	Farmerville	SALT, GRADE 1 (50 LB SACK)	Pounds	400
2/10/2011	Farmerville	SALT, GRADE 1 (50 LB SACK)	Pounds	300
2/10/2011	Farmerville	SALT, GRADE 1 (50 LB SACK)	Pounds	700
2/10/2011	Farmerville	SALT, GRADE 1 (50 LB SACK)	Pounds	250
2/10/2011	Farmerville	SALT, GRADE 1 (50 LB SACK)	Pounds	250
2/10/2011	Farmerville	SALT, GRADE 1 (50 LB SACK)	Pounds	400
2/10/2011	Farmerville	SALT, GRADE 1 (50 LB SACK)	Pounds	500
2/10/2011	Farmerville	SALT, GRADE 1 (50 LB SACK)	Pounds	400
2/10/2011	Farmerville	SALT, GRADE 1 (50 LB SACK)	Pounds	500
2/10/2011	Farmerville	SALT, GRADE 1 (50 LB SACK)	Pounds	600
2/10/2011	Farmerville	SALT, GRADE 1 (50 LB SACK)	Pounds	600

Date	City	Material	Unit of Measurement	Quantity
		TOTAL		**73300**
2/3/2011	Ferriday	SALT, GRADE 1 (50 LB SACK)	Pounds	100
2/4/2011	Ferriday	SALT, GRADE 1 (50 LB SACK)	Pounds	100
2/4/2011	Ferriday	SALT, GRADE 1 (50 LB SACK)	Pounds	250
2/9/2011	Ferriday	SALT, GRADE 1 (50 LB SACK)	Pounds	1500
2/9/2011	Ferriday	SALT, GRADE 1 (50 LB SACK)	Pounds	800
2/9/2011	Ferriday	SALT, GRADE 1 (50 LB SACK)	Pounds	2250
2/9/2011	Ferriday	SALT, GRADE 1 (50 LB SACK)	Pounds	1100
2/9/2011	Ferriday	SALT, GRADE 1 (50 LB SACK)	Pounds	1150
2/10/2011	Ferriday	SALT, GRADE 1 (50 LB SACK)	Pounds	550
2/3/2011	Ferriday	SALT, GRADE 1 (80 LB SACK)	Pounds	240
2/3/2011	Ferriday	SALT, GRADE 1 (80 LB SACK)	Pounds	160
2/3/2011	Ferriday	SALT, GRADE 1 (80 LB SACK)	Pounds	240
2/3/2011	Ferriday	SALT, GRADE 1 (80 LB SACK)	Pounds	240
2/4/2011	Ferriday	SALT, GRADE 1 (80 LB SACK)	Pounds	320
2/3/2011	Ferriday	SALT, GRADE 1 (50 LB SACK)	Pounds	1050
		TOTAL		**10050**
2/3/2011	Greensburg	AGGREGATE,LIGHTWEIGHT,F/DEICING	Cubic Yards	14
2/3/2011	Greensburg	AGGREGATE,LIGHTWEIGHT,F/DEICING	Cubic Yards	10
		TOTAL		**24**
2/4/2011	Harrisonburg	SALT, GRADE 1 (50 LB SACK)	Pounds	11900
2/9/2011	Harrisonburg	SALT, GRADE 1 (50 LB SACK)	Pounds	550
2/9/2011	Harrisonburg	SALT, GRADE 1 (50 LB SACK)	Pounds	400
2/9/2011	Harrisonburg	SALT, GRADE 1 (50 LB SACK)	Pounds	400
2/9/2011	Harrisonburg	SALT, GRADE 1 (50 LB SACK)	Pounds	400
2/9/2011	Harrisonburg	SALT, GRADE 1 (50 LB SACK)	Pounds	400
2/9/2011	Harrisonburg	SALT, GRADE 1 (50 LB SACK)	Pounds	400
2/9/2011	Harrisonburg	SALT, GRADE 1 (50 LB SACK)	Pounds	400
2/9/2011	Harrisonburg	SALT, GRADE 1 (50 LB SACK)	Pounds	400
2/9/2011	Harrisonburg	SALT, GRADE 1 (50 LB SACK)	Pounds	400
2/10/2011	Harrisonburg	SALT, GRADE 1 (50 LB SACK)	Pounds	400
2/10/2011	Harrisonburg	SALT, GRADE 1 (50 LB SACK)	Pounds	400
1/9/2011	Harrisonburg	SALT, GRADE 1 (50 LB SACK)	Pounds	2000
		TOTAL		**18450**

Date	City	Material	Unit of Measurement	Quantity
2/9/2011	Homer	SALT, GRADE 1 (50 LB SACK)	Pounds	1450
2/9/2011	Homer	SALT, GRADE 1 (50 LB SACK)	Pounds	1450
2/9/2011	Homer	SALT, GRADE 1 (50 LB SACK)	Pounds	1000
2/9/2011	Homer	SALT, GRADE 1 (50 LB SACK)	Pounds	1900
2/9/2011	Homer	SALT, GRADE 1 (50 LB SACK)	Pounds	1450
2/9/2011	Homer	SALT, GRADE 1 (50 LB SACK)	Pounds	1450
2/10/2011	Homer	SALT, GRADE 1 (50 LB SACK)	Pounds	1500
2/10/2011	Homer	SALT, GRADE 1 (50 LB SACK)	Pounds	1500
2/10/2011	Homer	SALT, GRADE 1 (50 LB SACK)	Pounds	1500
2/10/2011	Homer	SALT, GRADE 1 (50 LB SACK)	Pounds	1500
1/9/2011	Homer	SALT, GRADE 1 (80 LB SACK)	Pounds	5600
1/9/2011	Homer	SALT, GRADE 1 (80 LB SACK)	Pounds	5840
1/9/2011	Homer	SALT, GRADE 1 (80 LB SACK)	Pounds	6400
1/9/2011	Homer	SALT, GRADE 1 (80 LB SACK)	Pounds	3760
1/9/2011	Homer	SALT, GRADE 1 (80 LB SACK)	Pounds	3200
1/9/2011	Homer	SALT, GRADE 1 (80 LB SACK)	Pounds	4000
1/9/2011	Homer	SALT, GRADE 1 (80 LB SACK)	Pounds	6000
1/10/2011	Homer	SALT, GRADE 1 (80 LB SACK)	Pounds	1600
1/10/2011	Homer	SALT, GRADE 1 (80 LB SACK)	Pounds	2000
1/10/2011	Homer	SALT, GRADE 1 (80 LB SACK)	Pounds	1600
1/10/2011	Homer	SALT, GRADE 1 (80 LB SACK)	Pounds	1600
1/10/2011	Homer	SALT, GRADE 1 (80 LB SACK)	Pounds	1440
2/3/2011	Homer	SALT, GRADE 1 (80 LB SACK)	Pounds	1520
2/3/2011	Homer	SALT, GRADE 1 (80 LB SACK)	Pounds	800
2/4/2011	Homer	SALT, GRADE 1 (80 LB SACK)	Pounds	800
2/4/2011	Homer	SALT, GRADE 1 (80 LB SACK)	Pounds	800
2/4/2011	Homer	SALT, GRADE 1 (80 LB SACK)	Pounds	2000
2/4/2011	Homer	SALT, GRADE 1 (80 LB SACK)	Pounds	1600
2/4/2011	Homer	SALT, GRADE 1 (80 LB SACK)	Pounds	2000
		TOTAL		**67260**
2/3/2011	Jennings	AGGREGATE,LIGHTWEIGHT,F/DEICING	Cubic Yards	7
2/4/2011	Jennings	AGGREGATE,LIGHTWEIGHT,F/DEICING	Cubic Yards	11
		TOTAL		**18**
1/9/2011	Jonesboro	SALT, GRADE 1 (50 LB SACK)	Pounds	450
1/9/2011	Jonesboro	SALT, GRADE 1 (50 LB SACK)	Pounds	350
1/9/2011	Jonesboro	SALT, GRADE 1 (50 LB SACK)	Pounds	250

Date	City	Material	Unit of Measurement	Quantity
1/9/2011	Jonesboro	SALT, GRADE 1 (50 LB SACK)	Pounds	350
1/9/2011	Jonesboro	SALT, GRADE 1 (50 LB SACK)	Pounds	400
1/10/2011	Jonesboro	SALT, GRADE 1 (50 LB SACK)	Pounds	150
1/10/2011	Jonesboro	SALT, GRADE 1 (50 LB SACK)	Pounds	200
1/10/2011	Jonesboro	SALT, GRADE 1 (50 LB SACK)	Pounds	750
1/10/2011	Jonesboro	SALT, GRADE 1 (50 LB SACK)	Pounds	600
1/10/2011	Jonesboro	SALT, GRADE 1 (50 LB SACK)	Pounds	500
1/10/2011	Jonesboro	SALT, GRADE 1 (50 LB SACK)	Pounds	500
1/10/2011	Jonesboro	SALT, GRADE 1 (50 LB SACK)	Pounds	500
1/10/2011	Jonesboro	SALT, GRADE 1 (50 LB SACK)	Pounds	500
1/10/2011	Jonesboro	SALT, GRADE 1 (50 LB SACK)	Pounds	250
1/10/2011	Jonesboro	SALT, GRADE 1 (50 LB SACK)	Pounds	500
1/10/2011	Jonesboro	SALT, GRADE 1 (50 LB SACK)	Pounds	250
1/10/2011	Jonesboro	SALT, GRADE 1 (50 LB SACK)	Pounds	1500
1/10/2011	Jonesboro	SALT, GRADE 1 (50 LB SACK)	Pounds	500
1/10/2011	Jonesboro	SALT, GRADE 1 (50 LB SACK)	Pounds	450
2/4/2011	Jonesboro	SALT, GRADE 1 (50 LB SACK)	Pounds	500
2/4/2011	Jonesboro	SALT, GRADE 1 (50 LB SACK)	Pounds	1750
2/4/2011	Jonesboro	SALT, GRADE 1 (50 LB SACK)	Pounds	1750
2/4/2011	Jonesboro	SALT, GRADE 1 (50 LB SACK)	Pounds	1750
2/4/2011	Jonesboro	SALT, GRADE 1 (50 LB SACK)	Pounds	1800
2/4/2011	Jonesboro	SALT, GRADE 1 (50 LB SACK)	Pounds	1750
2/4/2011	Jonesboro	SALT, GRADE 1 (50 LB SACK)	Pounds	500
2/4/2011	Jonesboro	SALT, GRADE 1 (50 LB SACK)	Pounds	150
2/4/2011	Jonesboro	SALT, GRADE 1 (50 LB SACK)	Pounds	300
2/4/2011	Jonesboro	SALT, GRADE 1 (50 LB SACK)	Pounds	150
2/4/2011	Jonesboro	SALT, GRADE 1 (50 LB SACK)	Pounds	150
2/4/2011	Jonesboro	SALT, GRADE 1 (50 LB SACK)	Pounds	150
2/4/2011	Jonesboro	SALT, GRADE 1 (50 LB SACK)	Pounds	200
2/4/2011	Jonesboro	SALT, GRADE 1 (50 LB SACK)	Pounds	250
2/4/2011	Jonesboro	SALT, GRADE 1 (50 LB SACK)	Pounds	200
2/4/2011	Jonesboro	SALT, GRADE 1 (50 LB SACK)	Pounds	950
2/4/2011	Jonesboro	SALT, GRADE 1 (50 LB SACK)	Pounds	950
2/4/2011	Jonesboro	SALT, GRADE 1 (50 LB SACK)	Pounds	950
2/5/2011	Jonesboro	SALT, GRADE 1 (50 LB SACK)	Pounds	1500
2/5/2011	Jonesboro	SALT, GRADE 1 (50 LB SACK)	Pounds	150
2/5/2011	Jonesboro	SALT, GRADE 1 (50 LB SACK)	Pounds	200
2/5/2011	Jonesboro	SALT, GRADE 1 (50 LB SACK)	Pounds	150

Date	City	Material	Unit of Measurement	Quantity
		TOTAL		**25150**
		TOTAL		**1**
1/9/2011	Lafayette	SALT, GRADE 1 (50 LB SACK)	Pounds	300
1/9/2011	Lafayette	SALT, GRADE 1 (50 LB SACK)	Pounds	250
1/9/2011	Lafayette	SALT, GRADE 1 (50 LB SACK)	Pounds	350
1/9/2011	Lafayette	SALT, GRADE 1 (50 LB SACK)	Pounds	250
		TOTAL		**1150**
2/3/2011	LakeBruin	SALT, GRADE 1 (50 LB SACK)	Pounds	100
2/3/2011	LakeBruin	SALT, GRADE 1 (50 LB SACK)	Pounds	50
2/3/2011	LakeBruin	SALT, GRADE 1 (50 LB SACK)	Pounds	100
2/4/2011	LakeBruin	SALT, GRADE 1 (50 LB SACK)	Pounds	125
2/4/2011	LakeBruin	SALT, GRADE 1 (50 LB SACK)	Pounds	125
2/5/2011	LakeBruin	SALT, GRADE 1 (50 LB SACK)	Pounds	300
2/4/2011	LakeBruin	SALT, GRADE 1 (50 LB SACK)	Pounds	125
2/5/2011	LakeBruin	SALT, GRADE 1 (50 LB SACK)	Pounds	300
2/4/2011	LakeBruin	SALT, GRADE 1 (50 LB SACK)	Pounds	125
2/5/2011	LakeBruin	SALT, GRADE 1 (50 LB SACK)	Pounds	200
2/5/2011	LakeBruin	SALT, GRADE 1 (50 LB SACK)	Pounds	100
2/4/2011	LakeBruin	SALT, GRADE 1 (50 LB SACK)	Pounds	125
2/4/2011	LakeBruin	SALT, GRADE 1 (50 LB SACK)	Pounds	125
2/4/2011	LakeBruin	SALT, GRADE 1 (50 LB SACK)	Pounds	125
2/4/2011	LakeBruin	SALT, GRADE 1 (50 LB SACK)	Pounds	125
2/4/2011	LakeBruin	SALT, GRADE 1 (50 LB SACK)	Pounds	200
2/4/2011	LakeBruin	SALT, GRADE 1 (50 LB SACK)	Pounds	250
2/4/2011	LakeBruin	SALT, GRADE 1 (50 LB SACK)	Pounds	250
2/4/2011	LakeBruin	SALT, GRADE 1 (50 LB SACK)	Pounds	250
2/4/2011	LakeBruin	SALT, GRADE 1 (50 LB SACK)	Pounds	250
2/9/2011	LakeBruin	SALT, GRADE 1 (50 LB SACK)	Pounds	800
2/9/2011	LakeBruin	SALT, GRADE 1 (50 LB SACK)	Pounds	850
2/9/2011	LakeBruin	SALT, GRADE 1 (50 LB SACK)	Pounds	850
2/5/2011	LakeBruin	SALT, GRADE 1 (80 LB SACK)	Pounds	240
		TOTAL		**6090**
1/10/2011	Leesville	SALT, GRADE 1 (50 LB SACK)	Pounds	50
2/3/2011	Leesville	SALT, GRADE 1 (50 LB SACK)	Pounds	1050

Date	City	Material	Unit of Measurement	Quantity
2/3/2011	Leesville	SALT, GRADE 1 (50 LB SACK)	Pounds	850
2/3/2011	Leesville	SALT, GRADE 1 (50 LB SACK)	Pounds	1350
2/3/2011	Leesville	SALT, GRADE 1 (50 LB SACK)	Pounds	200
2/3/2011	Leesville	SALT, GRADE 1 (50 LB SACK)	Pounds	1300
2/3/2011	Leesville	SALT, GRADE 1 (50 LB SACK)	Pounds	1350
2/4/2011	Leesville	SALT, GRADE 1 (50 LB SACK)	Pounds	1050
2/4/2011	Leesville	SALT, GRADE 1 (50 LB SACK)	Pounds	3500
2/4/2011	Leesville	SALT, GRADE 1 (50 LB SACK)	Pounds	600
2/4/2011	Leesville	SALT, GRADE 1 (50 LB SACK)	Pounds	1950
2/4/2011	Leesville	SALT, GRADE 1 (50 LB SACK)	Pounds	800
2/4/2011	Leesville	SALT, GRADE 1 (50 LB SACK)	Pounds	300
2/4/2011	Leesville	SALT, GRADE 1 (50 LB SACK)	Pounds	2250
2/4/2011	Leesville	SALT, GRADE 1 (50 LB SACK)	Pounds	1150
2/4/2011	Leesville	SALT, GRADE 1 (50 LB SACK)	Pounds	1150
2/4/2011	Leesville	SALT, GRADE 1 (50 LB SACK)	Pounds	2150
2/4/2011	Leesville	SALT, GRADE 1 (50 LB SACK)	Pounds	1700
2/4/2011	Leesville	SALT, GRADE 1 (50 LB SACK)	Pounds	1700
2/4/2011	Leesville	SALT, GRADE 1 (50 LB SACK)	Pounds	2400
2/4/2011	Leesville	SALT, GRADE 1 (50 LB SACK)	Pounds	1100
2/3/2011	Leesville	SALT, GRADE 1 (50 LB SACK)	Pounds	800
2/5/2011	Leesville	SALT, GRADE 1 (50 LB SACK)	Pounds	50
		TOTAL		**28800**
1/9/2011	Lake Providence	SALT, GRADE 1 (50 LB SACK)	Pounds	750
1/9/2011	Lake Providence	SALT, GRADE 1 (50 LB SACK)	Pounds	1500
1/9/2011	Lake Providence	SALT, GRADE 1 (50 LB SACK)	Pounds	750
1/9/2011	Lake Providence	SALT, GRADE 1 (50 LB SACK)	Pounds	1000
1/9/2011	Lake Providence	SALT, GRADE 1 (50 LB SACK)	Pounds	600
1/9/2011	Lake Providence	SALT, GRADE 1 (50 LB SACK)	Pounds	150
1/9/2011	Lake Providence	SALT, GRADE 1 (50 LB SACK)	Pounds	450
1/9/2011	Lake Providence	SALT, GRADE 1 (50 LB SACK)	Pounds	100
1/10/2011	Lake Providence	SALT, GRADE 1 (50 LB SACK)	Pounds	600
1/10/2011	Lake Providence	SALT, GRADE 1 (50 LB SACK)	Pounds	100
1/10/2011	Lake Providence	SALT, GRADE 1 (50 LB SACK)	Pounds	750
1/10/2011	Lake Providence	SALT, GRADE 1 (50 LB SACK)	Pounds	500
1/10/2011	Lake Providence	SALT, GRADE 1 (50 LB SACK)	Pounds	100
1/10/2011	Lake Providence	SALT, GRADE 1 (50 LB SACK)	Pounds	150
2/4/2011	Lake Providence	SALT, GRADE 1 (50 LB SACK)	Pounds	1250

Date	City	Material	Unit of Measurement	Quantity
2/4/2011	Lake Providence	SALT, GRADE 1 (50 LB SACK)	Pounds	500
2/4/2011	Lake Providence	SALT, GRADE 1 (50 LB SACK)	Pounds	1250
2/4/2011	Lake Providence	SALT, GRADE 1 (50 LB SACK)	Pounds	500
2/4/2011	Lake Providence	SALT, GRADE 1 (50 LB SACK)	Pounds	750
2/4/2011	Lake Providence	SALT, GRADE 1 (50 LB SACK)	Pounds	650
2/4/2011	Lake Providence	SALT, GRADE 1 (50 LB SACK)	Pounds	500
2/4/2011	Lake Providence	SALT, GRADE 1 (50 LB SACK)	Pounds	400
2/4/2011	Lake Providence	SALT, GRADE 1 (50 LB SACK)	Pounds	250
2/4/2011	Lake Providence	SALT, GRADE 1 (50 LB SACK)	Pounds	400
2/4/2011	Lake Providence	SALT, GRADE 1 (50 LB SACK)	Pounds	600
2/4/2011	Lake Providence	SALT, GRADE 1 (50 LB SACK)	Pounds	400
2/4/2011	Lake Providence	SALT, GRADE 1 (50 LB SACK)	Pounds	400
2/4/2011	Lake Providence	SALT, GRADE 1 (50 LB SACK)	Pounds	1000
2/4/2011	Lake Providence	SALT, GRADE 1 (50 LB SACK)	Pounds	150
2/4/2011	Lake Providence	SALT, GRADE 1 (50 LB SACK)	Pounds	50
2/4/2011	Lake Providence	SALT, GRADE 1 (50 LB SACK)	Pounds	250
2/4/2011	Lake Providence	SALT, GRADE 1 (50 LB SACK)	Pounds	800
2/5/2011	Lake Providence	SALT, GRADE 1 (50 LB SACK)	Pounds	400
2/5/2011	Lake Providence	SALT, GRADE 1 (50 LB SACK)	Pounds	600
2/5/2011	Lake Providence	SALT, GRADE 1 (50 LB SACK)	Pounds	200
2/5/2011	Lake Providence	SALT, GRADE 1 (50 LB SACK)	Pounds	150
2/9/2011	Lake Providence	SALT, GRADE 1 (50 LB SACK)	Pounds	1000
2/9/2011	Lake Providence	SALT, GRADE 1 (50 LB SACK)	Pounds	100
2/9/2011	Lake Providence	SALT, GRADE 1 (50 LB SACK)	Pounds	100
2/9/2011	Lake Providence	SALT, GRADE 1 (50 LB SACK)	Pounds	150
2/9/2011	Lake Providence	SALT, GRADE 1 (50 LB SACK)	Pounds	250
2/9/2011	Lake Providence	SALT, GRADE 1 (50 LB SACK)	Pounds	150
2/9/2011	Lake Providence	SALT, GRADE 1 (50 LB SACK)	Pounds	400
2/9/2011	Lake Providence	SALT, GRADE 1 (50 LB SACK)	Pounds	300
2/9/2011	Lake Providence	SALT, GRADE 1 (50 LB SACK)	Pounds	200
2/9/2011	Lake Providence	SALT, GRADE 1 (50 LB SACK)	Pounds	100
2/9/2011	Lake Providence	SALT, GRADE 1 (50 LB SACK)	Pounds	650
2/9/2011	Lake Providence	SALT, GRADE 1 (50 LB SACK)	Pounds	650
2/9/2011	Lake Providence	SALT, GRADE 1 (50 LB SACK)	Pounds	150
2/9/2011	Lake Providence	SALT, GRADE 1 (50 LB SACK)	Pounds	500
2/9/2011	Lake Providence	SALT, GRADE 1 (50 LB SACK)	Pounds	800
2/10/2011	Lake Providence	SALT, GRADE 1 (50 LB SACK)	Pounds	200
2/10/2011	Lake Providence	SALT, GRADE 1 (50 LB SACK)	Pounds	150

Date	City	Material	Unit of Measurement	Quantity
2/10/2011	Lake Providence	SALT, GRADE 1 (50 LB SACK)	Pounds	50
2/10/2011	Lake Providence	SALT, GRADE 1 (50 LB SACK)	Pounds	100
2/10/2011	Lake Providence	SALT, GRADE 1 (50 LB SACK)	Pounds	50
		TOTAL		**25000**
2/4/2011	Mansfield	SALT, GRADE 1 (50 LB SACK)	Pounds	2450
2/4/2011	Mansfield	SALT, GRADE 1 (50 LB SACK)	Pounds	19600
2/4/2011	Mansfield	SALT, GRADE 1 (50 LB SACK)	Pounds	9800
1/9/2011	Mansfield	SALT, GRADE 1 (80 LB SACK)	Pounds	22640
1/10/2011	Mansfield	SALT, GRADE 1 (80 LB SACK)	Pounds	19200
1/10/2011	Mansfield	SALT, GRADE 1 (80 LB SACK)	Pounds	2400
1/10/2011	Mansfield	SALT, GRADE 1 (80 LB SACK)	Pounds	2400
2/3/2011	Mansfield	SALT, GRADE 1 (80 LB SACK)	Pounds	800
2/3/2011	Mansfield	SALT, GRADE 1 (80 LB SACK)	Pounds	1200
2/3/2011	Mansfield	SALT, GRADE 1 (80 LB SACK)	Pounds	800
2/3/2011	Mansfield	SALT, GRADE 1 (80 LB SACK)	Pounds	1200
2/3/2011	Mansfield	SALT, GRADE 1 (80 LB SACK)	Pounds	800
2/4/2011	Mansfield	SALT, GRADE 1 (80 LB SACK)	Pounds	5280
2/4/2011	Mansfield	SALT, GRADE 1 (80 LB SACK)	Pounds	4800
2/4/2011	Mansfield	SALT, GRADE 1 (80 LB SACK)	Pounds	33600
2/4/2011	Mansfield	SALT, GRADE 1 (80 LB SACK)	Pounds	9600
2/4/2011	Mansfield	SALT, GRADE 1 (80 LB SACK)	Pounds	3200
2/4/2011	Mansfield	SALT, GRADE 1 (80 LB SACK)	Pounds	800
2/4/2011	Mansfield	SALT, GRADE 1 (80 LB SACK)	Pounds	4000
2/4/2011	Mansfield	SALT, GRADE 1 (80 LB SACK)	Pounds	4000
2/4/2011	Mansfield	SALT, GRADE 1 (80 LB SACK)	Pounds	800
2/4/2011	Mansfield	SALT, GRADE 1 (80 LB SACK)	Pounds	2400
2/4/2011	Mansfield	SALT, GRADE 1 (80 LB SACK)	Pounds	7200
2/4/2011	Mansfield	SALT, GRADE 1 (80 LB SACK)	Pounds	1120
2/5/2011	Mansfield	SALT, GRADE 1 (80 LB SACK)	Pounds	2400
		TOTAL		**162490**
2/4/2011	Many	SALT, GRADE 1 (50 LB SACK)	Pounds	200
1/10/2011	Many	SALT, GRADE 1 (80 LB SACK)	Pounds	2400
1/10/2011	Many	SALT, GRADE 1 (80 LB SACK)	Pounds	1140
1/10/2011	Many	SALT, GRADE 1 (80 LB SACK)	Pounds	2400
2/1/2011	Many	SALT, GRADE 1 (80 LB SACK)	Pounds	160
2/2/2011	Many	SALT, GRADE 1 (80 LB SACK)	Pounds	160

Date	City	Material	Unit of Measurement	Quantity
2/3/2011	Many	SALT, GRADE 1 (80 LB SACK)	Pounds	640
2/3/2011	Many	SALT, GRADE 1 (80 LB SACK)	Pounds	1200
2/4/2011	Many	SALT, GRADE 1 (80 LB SACK)	Pounds	1360
2/4/2011	Many	SALT, GRADE 1 (80 LB SACK)	Pounds	880
2/4/2011	Many	SALT, GRADE 1 (80 LB SACK)	Pounds	1760
2/4/2011	Many	SALT, GRADE 1 (80 LB SACK)	Pounds	1040
2/4/2011	Many	SALT, GRADE 1 (80 LB SACK)	Pounds	2800
2/4/2011	Many	SALT, GRADE 1 (80 LB SACK)	Pounds	960
2/4/2011	Many	SALT, GRADE 1 (80 LB SACK)	Pounds	2800
2/4/2011	Many	SALT, GRADE 1 (80 LB SACK)	Pounds	2080
2/4/2011	Many	SALT, GRADE 1 (80 LB SACK)	Pounds	880
2/4/2011	Many	SALT, GRADE 1 (80 LB SACK)	Pounds	1920
2/5/2011	Many	SALT, GRADE 1 (80 LB SACK)	Pounds	960
		TOTAL		**25740**
2/4/2011	Marksville	SALT, GRADE 1 (50 LB SACK)	Pounds	700
2/4/2011	Marksville	SALT, GRADE 1 (50 LB SACK)	Pounds	650
2/4/2011	Marksville	SALT, GRADE 1 (50 LB SACK)	Pounds	1250
2/4/2011	Marksville	SALT, GRADE 1 (50 LB SACK)	Pounds	2950
2/4/2011	Marksville	SALT, GRADE 1 (50 LB SACK)	Pounds	500
2/4/2011	Marksville	SALT, GRADE 1 (50 LB SACK)	Pounds	650
2/4/2011	Marksville	SALT, GRADE 1 (50 LB SACK)	Pounds	1650
2/4/2011	Marksville	SALT, GRADE 1 (50 LB SACK)	Pounds	1100
2/4/2011	Marksville	SALT, GRADE 1 (50 LB SACK)	Pounds	2600
2/4/2011	Marksville	SALT, GRADE 1 (50 LB SACK)	Pounds	1100
2/4/2011	Marksville	SALT, GRADE 1 (50 LB SACK)	Pounds	600
2/4/2011	Marksville	SALT, GRADE 1 (50 LB SACK)	Pounds	2600
2/4/2011	Marksville	SALT, GRADE 1 (50 LB SACK)	Pounds	900
2/5/2011	Marksville	SALT, GRADE 1 (50 LB SACK)	Pounds	500
2/5/2011	Marksville	SALT, GRADE 1 (50 LB SACK)	Pounds	350
2/5/2011	Marksville	SALT, GRADE 1 (50 LB SACK)	Pounds	1500
2/5/2011	Marksville	SALT, GRADE 1 (50 LB SACK)	Pounds	650
2/5/2011	Marksville	SALT, GRADE 1 (50 LB SACK)	Pounds	1750
2/5/2011	Marksville	SALT, GRADE 1 (50 LB SACK)	Pounds	350
2/5/2011	Marksville	SALT, GRADE 1 (50 LB SACK)	Pounds	400
2/5/2011	Marksville	SALT, GRADE 1 (50 LB SACK)	Pounds	750
2/5/2011	Marksville	SALT, GRADE 1 (50 LB SACK)	Pounds	500
2/5/2011	Marksville	SALT, GRADE 1 (50 LB SACK)	Pounds	1250

Date	City	Material	Unit of Measurement	Quantity
2/5/2011	Marksville	SALT, GRADE 1 (50 LB SACK)	Pounds	300
2/4/2011	Marksville	SALT, GRADE 1 (50 LB SACK)	Pounds	600
2/5/2011	Marksville	SALT, GRADE 1 (50 LB SACK)	Pounds	350
2/3/2011	Marksville	SALT, GRADE 1 (50 LB SACK)	Pounds	50
2/3/2011	Marksville	SALT, GRADE 1 (50 LB SACK)	Pounds	50
2/3/2011	Marksville	SALT, GRADE 1 (50 LB SACK)	Pounds	50
2/3/2011	Marksville	SALT, GRADE 1 (50 LB SACK)	Pounds	100
2/3/2011	Marksville	SALT, GRADE 1 (50 LB SACK)	Pounds	50
2/3/2011	Marksville	SALT, GRADE 1 (50 LB SACK)	Pounds	50
2/3/2011	Marksville	SALT, GRADE 1 (50 LB SACK)	Pounds	50
2/3/2011	Marksville	SALT, GRADE 1 (50 LB SACK)	Pounds	50
2/3/2011	Marksville	SALT, GRADE 1 (50 LB SACK)	Pounds	50
2/3/2011	Marksville	SALT, GRADE 1 (50 LB SACK)	Pounds	50
2/3/2011	Marksville	SALT, GRADE 1 (50 LB SACK)	Pounds	50
2/3/2011	Marksville	SALT, GRADE 1 (50 LB SACK)	Pounds	100
2/3/2011	Marksville	SALT, GRADE 1 (50 LB SACK)	Pounds	50
2/3/2011	Marksville	SALT, GRADE 1 (50 LB SACK)	Pounds	50
		TOTAL		**27300**
2/4/2011	Minden	SALT, GRADE 1 (50 LB SACK)	Pounds	55850
2/4/2011	Minden	SALT, GRADE 1 (50 LB SACK)	Pounds	19600
1/10/2011	Minden	SALT, GRADE 1 (80 LB SACK)	Pounds	28240
2/3/2011	Minden	SALT, GRADE 1 (50 LB SACK)	Pounds	500
		TOTAL		**104190**
1/9/2011	Monroe	SALT, GRADE 1 (50 LB SACK)	Pounds	6900
1/9/2011	Monroe	SALT, GRADE 1 (50 LB SACK)	Pounds	1650
1/9/2011	Monroe	SALT, GRADE 1 (50 LB SACK)	Pounds	1400
1/9/2011	Monroe	SALT, GRADE 1 (50 LB SACK)	Pounds	2150
1/10/2011	Monroe	SALT, GRADE 1 (50 LB SACK)	Pounds	2000
1/9/2011	Monroe	SALT, GRADE 1 (50 LB SACK)	Pounds	1000
1/9/2011	Monroe	SALT, GRADE 1 (50 LB SACK)	Pounds	2750
1/9/2011	Monroe	SALT, GRADE 1 (50 LB SACK)	Pounds	600
1/9/2011	Monroe	SALT, GRADE 1 (50 LB SACK)	Pounds	4000
1/9/2011	Monroe	SALT, GRADE 1 (50 LB SACK)	Pounds	700
1/9/2011	Monroe	SALT, GRADE 1 (50 LB SACK)	Pounds	2500
1/9/2011	Monroe	SALT, GRADE 1 (50 LB SACK)	Pounds	4900
1/9/2011	Monroe	SALT, GRADE 1 (50 LB SACK)	Pounds	450

Date	City	Material	Unit of Measurement	Quantity
1/9/2011	Monroe	SALT, GRADE 1 (50 LB SACK)	Pounds	400
1/10/2011	Monroe	SALT, GRADE 1 (50 LB SACK)	Pounds	50
1/10/2011	Monroe	SALT, GRADE 1 (50 LB SACK)	Pounds	50
1/10/2011	Monroe	SALT, GRADE 1 (50 LB SACK)	Pounds	100
1/10/2011	Monroe	SALT, GRADE 1 (50 LB SACK)	Pounds	100
1/10/2011	Monroe	SALT, GRADE 1 (50 LB SACK)	Pounds	100
1/10/2011	Monroe	SALT, GRADE 1 (50 LB SACK)	Pounds	100
1/10/2011	Monroe	SALT, GRADE 1 (50 LB SACK)	Pounds	250
1/10/2011	Monroe	SALT, GRADE 1 (50 LB SACK)	Pounds	250
1/10/2011	Monroe	SALT, GRADE 1 (50 LB SACK)	Pounds	250
1/10/2011	Monroe	SALT, GRADE 1 (50 LB SACK)	Pounds	250
1/10/2011	Monroe	SALT, GRADE 1 (50 LB SACK)	Pounds	250
1/10/2011	Monroe	SALT, GRADE 1 (50 LB SACK)	Pounds	100
1/10/2011	Monroe	SALT, GRADE 1 (50 LB SACK)	Pounds	250
1/10/2011	Monroe	SALT, GRADE 1 (50 LB SACK)	Pounds	250
1/10/2011	Monroe	SALT, GRADE 1 (50 LB SACK)	Pounds	250
1/10/2011	Monroe	SALT, GRADE 1 (50 LB SACK)	Pounds	200
1/10/2011	Monroe	SALT, GRADE 1 (50 LB SACK)	Pounds	250
1/10/2011	Monroe	SALT, GRADE 1 (50 LB SACK)	Pounds	250
1/10/2011	Monroe	SALT, GRADE 1 (50 LB SACK)	Pounds	200
1/10/2011	Monroe	SALT, GRADE 1 (50 LB SACK)	Pounds	500
1/10/2011	Monroe	SALT, GRADE 1 (50 LB SACK)	Pounds	250
1/9/2011	Monroe	SALT, GRADE 1 (50 LB SACK)	Pounds	11000
1/9/2011	Monroe	SALT, GRADE 1 (50 LB SACK)	Pounds	12950
1/9/2011	Monroe	SALT, GRADE 1 (50 LB SACK)	Pounds	2300
1/9/2011	Monroe	SALT, GRADE 1 (50 LB SACK)	Pounds	6700
1/9/2011	Monroe	SALT, GRADE 1 (50 LB SACK)	Pounds	3250
1/9/2011	Monroe	SALT, GRADE 1 (50 LB SACK)	Pounds	4000
1/9/2011	Monroe	SALT, GRADE 1 (50 LB SACK)	Pounds	3250
1/9/2011	Monroe	SALT, GRADE 1 (50 LB SACK)	Pounds	500
1/9/2011	Monroe	SALT, GRADE 1 (50 LB SACK)	Pounds	1000
1/9/2011	Monroe	SALT, GRADE 1 (50 LB SACK)	Pounds	1900
1/9/2011	Monroe	SALT, GRADE 1 (50 LB SACK)	Pounds	2000
1/9/2011	Monroe	SALT, GRADE 1 (50 LB SACK)	Pounds	2000
1/9/2011	Monroe	SALT, GRADE 1 (50 LB SACK)	Pounds	1000
1/9/2011	Monroe	SALT, GRADE 1 (50 LB SACK)	Pounds	1000
1/9/2011	Monroe	SALT, GRADE 1 (50 LB SACK)	Pounds	1350
1/11/2011	Monroe	SALT, GRADE 1 (50 LB SACK)	Pounds	1000

Date	City	Material	Unit of Measurement	Quantity
1/9/2011	Monroe	SALT, GRADE 1 (50 LB SACK)	Pounds	500
1/9/2011	Monroe	SALT, GRADE 1 (50 LB SACK)	Pounds	200
1/9/2011	Monroe	SALT, GRADE 1 (50 LB SACK)	Pounds	700
1/9/2011	Monroe	SALT, GRADE 1 (50 LB SACK)	Pounds	1000
1/9/2011	Monroe	SALT, GRADE 1 (50 LB SACK)	Pounds	600
1/9/2011	Monroe	SALT, GRADE 1 (50 LB SACK)	Pounds	1000
1/9/2011	Monroe	SALT, GRADE 1 (50 LB SACK)	Pounds	1250
1/9/2011	Monroe	SALT, GRADE 1 (50 LB SACK)	Pounds	650
1/9/2011	Monroe	SALT, GRADE 1 (50 LB SACK)	Pounds	700
1/9/2011	Monroe	SALT, GRADE 1 (50 LB SACK)	Pounds	1500
1/9/2011	Monroe	SALT, GRADE 1 (50 LB SACK)	Pounds	500
1/9/2011	Monroe	SALT, GRADE 1 (50 LB SACK)	Pounds	600
1/9/2011	Monroe	SALT, GRADE 1 (50 LB SACK)	Pounds	1150
1/9/2011	Monroe	SALT, GRADE 1 (50 LB SACK)	Pounds	600
1/9/2011	Monroe	SALT, GRADE 1 (50 LB SACK)	Pounds	100
2/4/2011	Monroe	SALT, GRADE 1 (50 LB SACK)	Pounds	5950
2/4/2011	Monroe	SALT, GRADE 1 (50 LB SACK)	Pounds	1250
2/4/2011	Monroe	SALT, GRADE 1 (50 LB SACK)	Pounds	1250
2/4/2011	Monroe	SALT, GRADE 1 (50 LB SACK)	Pounds	250
2/4/2011	Monroe	SALT, GRADE 1 (50 LB SACK)	Pounds	250
2/4/2011	Monroe	SALT, GRADE 1 (50 LB SACK)	Pounds	10500
2/4/2011	Monroe	SALT, GRADE 1 (50 LB SACK)	Pounds	1850
2/4/2011	Monroe	SALT, GRADE 1 (50 LB SACK)	Pounds	1750
2/5/2011	Monroe	SALT, GRADE 1 (50 LB SACK)	Pounds	100
2/5/2011	Monroe	SALT, GRADE 1 (50 LB SACK)	Pounds	500
2/9/2011	Monroe	SALT, GRADE 1 (50 LB SACK)	Pounds	4650
2/9/2011	Monroe	SALT, GRADE 1 (50 LB SACK)	Pounds	3150
2/9/2011	Monroe	SALT, GRADE 1 (50 LB SACK)	Pounds	7000
2/9/2011	Monroe	SALT, GRADE 1 (50 LB SACK)	Pounds	5650
2/10/2011	Monroe	SALT, GRADE 1 (50 LB SACK)	Pounds	500
2/9/2011	Monroe	SALT, GRADE 1 (50 LB SACK)	Pounds	550
2/9/2011	Monroe	SALT, GRADE 1 (50 LB SACK)	Pounds	150
2/9/2011	Monroe	SALT, GRADE 1 (50 LB SACK)	Pounds	250
2/9/2011	Monroe	SALT, GRADE 1 (50 LB SACK)	Pounds	450
2/9/2011	Monroe	SALT, GRADE 1 (50 LB SACK)	Pounds	350
2/9/2011	Monroe	SALT, GRADE 1 (50 LB SACK)	Pounds	350
2/9/2011	Monroe	SALT, GRADE 1 (50 LB SACK)	Pounds	1500
2/9/2011	Monroe	SALT, GRADE 1 (50 LB SACK)	Pounds	800

Date	City	Material	Unit of Measurement	Quantity
2/9/2011	Monroe	SALT, GRADE 1 (50 LB SACK)	Pounds	7750
2/9/2011	Monroe	SALT, GRADE 1 (50 LB SACK)	Pounds	3300
2/9/2011	Monroe	SALT, GRADE 1 (50 LB SACK)	Pounds	4800
2/9/2011	Monroe	SALT, GRADE 1 (50 LB SACK)	Pounds	2400
2/9/2011	Monroe	SALT, GRADE 1 (50 LB SACK)	Pounds	300
		TOTAL		**169450**
2/3/2011	Morgan City	AGGREGATE,LIGHTWEIGHT,F/DEICING	Cubic Yards	3.7
		TOTAL		**3.7**
2/4/2011	Natchitoches	SALT, GRADE 1 (50 LB SACK)	Pounds	1050
2/4/2011	Natchitoches	SALT, GRADE 1 (50 LB SACK)	Pounds	2500
2/5/2011	Natchitoches	SALT, GRADE 1 (50 LB SACK)	Pounds	250
2/9/2011	Natchitoches	SALT, GRADE 1 (50 LB SACK)	Pounds	800
2/9/2011	Natchitoches	SALT, GRADE 1 (50 LB SACK)	Pounds	800
2/9/2011	Natchitoches	SALT, GRADE 1 (50 LB SACK)	Pounds	550
2/9/2011	Natchitoches	SALT, GRADE 1 (50 LB SACK)	Pounds	550
1/10/2011	Natchitoches	SALT, GRADE 1 (80 LB SACK)	Pounds	960
2/3/2011	Natchitoches	SALT, GRADE 1 (80 LB SACK)	Pounds	400
2/3/2011	Natchitoches	SALT, GRADE 1 (80 LB SACK)	Pounds	320
2/3/2011	Natchitoches	SALT, GRADE 1 (80 LB SACK)	Pounds	80
2/3/2011	Natchitoches	SALT, GRADE 1 (80 LB SACK)	Pounds	80
2/3/2011	Natchitoches	SALT, GRADE 1 (80 LB SACK)	Pounds	160
2/3/2011	Natchitoches	SALT, GRADE 1 (80 LB SACK)	Pounds	80
2/4/2011	Natchitoches	SALT, GRADE 1 (80 LB SACK)	Pounds	9600
2/4/2011	Natchitoches	SALT, GRADE 1 (80 LB SACK)	Pounds	640
2/4/2011	Natchitoches	SALT, GRADE 1 (80 LB SACK)	Pounds	560
2/4/2011	Natchitoches	SALT, GRADE 1 (80 LB SACK)	Pounds	800
2/4/2011	Natchitoches	SALT, GRADE 1 (80 LB SACK)	Pounds	800
2/4/2011	Natchitoches	SALT, GRADE 1 (80 LB SACK)	Pounds	960
2/4/2011	Natchitoches	SALT, GRADE 1 (80 LB SACK)	Pounds	1200
2/4/2011	Natchitoches	SALT, GRADE 1 (80 LB SACK)	Pounds	1120
2/4/2011	Natchitoches	SALT, GRADE 1 (80 LB SACK)	Pounds	800
2/4/2011	Natchitoches	SALT, GRADE 1 (80 LB SACK)	Pounds	6160
2/4/2011	Natchitoches	SALT, GRADE 1 (80 LB SACK)	Pounds	5760
2/4/2011	Natchitoches	SALT, GRADE 1 (80 LB SACK)	Pounds	3360
2/3/2011	Natchitoches	SALT, GRADE 1 (50 LB SACK)	Pounds	1250
		TOTAL		**41590**

Date	City	Material	Unit of Measurement	Quantity
2/4/2011	NewRoads	SALT, GRADE 1 (50 LB SACK)	Pounds	4900
1/9/2011	OakGrove	SALT, GRADE 1 (50 LB SACK)	Pounds	150
1/9/2011	OakGrove	SALT, GRADE 1 (50 LB SACK)	Pounds	500
1/9/2011	OakGrove	SALT, GRADE 1 (50 LB SACK)	Pounds	250
1/9/2011	OakGrove	SALT, GRADE 1 (50 LB SACK)	Pounds	250
1/9/2011	OakGrove	SALT, GRADE 1 (50 LB SACK)	Pounds	100
1/9/2011	OakGrove	SALT, GRADE 1 (50 LB SACK)	Pounds	200
1/9/2011	OakGrove	SALT, GRADE 1 (50 LB SACK)	Pounds	250
1/9/2011	OakGrove	SALT, GRADE 1 (50 LB SACK)	Pounds	250
1/9/2011	OakGrove	SALT, GRADE 1 (50 LB SACK)	Pounds	500
1/9/2011	OakGrove	SALT, GRADE 1 (50 LB SACK)	Pounds	500
1/9/2011	OakGrove	SALT, GRADE 1 (50 LB SACK)	Pounds	500
1/10/2011	OakGrove	SALT, GRADE 1 (50 LB SACK)	Pounds	150
1/10/2011	OakGrove	SALT, GRADE 1 (50 LB SACK)	Pounds	150
1/10/2011	OakGrove	SALT, GRADE 1 (50 LB SACK)	Pounds	150
1/10/2011	OakGrove	SALT, GRADE 1 (50 LB SACK)	Pounds	150
1/10/2011	OakGrove	SALT, GRADE 1 (50 LB SACK)	Pounds	150
1/10/2011	OakGrove	SALT, GRADE 1 (50 LB SACK)	Pounds	150
1/10/2011	OakGrove	SALT, GRADE 1 (50 LB SACK)	Pounds	150
1/10/2011	OakGrove	SALT, GRADE 1 (50 LB SACK)	Pounds	150
1/10/2011	OakGrove	SALT, GRADE 1 (50 LB SACK)	Pounds	150
1/10/2011	OakGrove	SALT, GRADE 1 (50 LB SACK)	Pounds	150
1/9/2011	OakGrove	SALT, GRADE 1 (50 LB SACK)	Pounds	150
2/4/2011	OakGrove	SALT, GRADE 1 (50 LB SACK)	Pounds	250
2/4/2011	OakGrove	SALT, GRADE 1 (50 LB SACK)	Pounds	250
2/4/2011	OakGrove	SALT, GRADE 1 (50 LB SACK)	Pounds	250
2/4/2011	OakGrove	SALT, GRADE 1 (50 LB SACK)	Pounds	250
2/4/2011	OakGrove	SALT, GRADE 1 (50 LB SACK)	Pounds	250
2/4/2011	OakGrove	SALT, GRADE 1 (50 LB SACK)	Pounds	250
2/4/2011	OakGrove	SALT, GRADE 1 (50 LB SACK)	Pounds	250
2/4/2011	OakGrove	SALT, GRADE 1 (50 LB SACK)	Pounds	250
2/4/2011	OakGrove	SALT, GRADE 1 (50 LB SACK)	Pounds	250
2/4/2011	OakGrove	SALT, GRADE 1 (50 LB SACK)	Pounds	250
2/4/2011	OakGrove	SALT, GRADE 1 (50 LB SACK)	Pounds	250

Date	City	Material	Unit of Measurement	Quantity
2/4/2011	OakGrove	SALT, GRADE 1 (50 LB SACK)	Pounds	250
2/4/2011	OakGrove	SALT, GRADE 1 (50 LB SACK)	Pounds	250
2/4/2011	OakGrove	SALT, GRADE 1 (50 LB SACK)	Pounds	250
2/4/2011	OakGrove	SALT, GRADE 1 (50 LB SACK)	Pounds	300
2/4/2011	OakGrove	SALT, GRADE 1 (50 LB SACK)	Pounds	250
2/4/2011	OakGrove	SALT, GRADE 1 (50 LB SACK)	Pounds	250
2/4/2011	OakGrove	SALT, GRADE 1 (50 LB SACK)	Pounds	250
2/4/2011	OakGrove	SALT, GRADE 1 (50 LB SACK)	Pounds	250
2/5/2011	OakGrove	SALT, GRADE 1 (50 LB SACK)	Pounds	150
2/5/2011	OakGrove	SALT, GRADE 1 (50 LB SACK)	Pounds	150
2/5/2011	OakGrove	SALT, GRADE 1 (50 LB SACK)	Pounds	50
2/5/2011	OakGrove	SALT, GRADE 1 (50 LB SACK)	Pounds	150
2/5/2011	OakGrove	SALT, GRADE 1 (50 LB SACK)	Pounds	200
2/5/2011	OakGrove	SALT, GRADE 1 (50 LB SACK)	Pounds	150
2/5/2011	OakGrove	SALT, GRADE 1 (50 LB SACK)	Pounds	100
2/5/2011	OakGrove	SALT, GRADE 1 (50 LB SACK)	Pounds	100
2/5/2011	OakGrove	SALT, GRADE 1 (50 LB SACK)	Pounds	100
2/5/2011	OakGrove	SALT, GRADE 1 (50 LB SACK)	Pounds	500
2/5/2011	OakGrove	SALT, GRADE 1 (50 LB SACK)	Pounds	300
2/5/2011	OakGrove	SALT, GRADE 1 (50 LB SACK)	Pounds	50
2/4/2011	OakGrove	SALT, GRADE 1 (50 LB SACK)	Pounds	150
2/4/2011	OakGrove	SALT, GRADE 1 (50 LB SACK)	Pounds	150
2/4/2011	OakGrove	SALT, GRADE 1 (50 LB SACK)	Pounds	200
2/4/2011	OakGrove	SALT, GRADE 1 (50 LB SACK)	Pounds	100
2/4/2011	OakGrove	SALT, GRADE 1 (50 LB SACK)	Pounds	50
2/4/2011	OakGrove	SALT, GRADE 1 (50 LB SACK)	Pounds	50
2/4/2011	OakGrove	SALT, GRADE 1 (50 LB SACK)	Pounds	100
2/4/2011	OakGrove	SALT, GRADE 1 (50 LB SACK)	Pounds	200
2/4/2011	OakGrove	SALT, GRADE 1 (50 LB SACK)	Pounds	300
2/4/2011	OakGrove	SALT, GRADE 1 (50 LB SACK)	Pounds	150
2/9/2011	OakGrove	SALT, GRADE 1 (50 LB SACK)	Pounds	100
2/9/2011	OakGrove	SALT, GRADE 1 (50 LB SACK)	Pounds	150
2/9/2011	OakGrove	SALT, GRADE 1 (50 LB SACK)	Pounds	200
2/9/2011	OakGrove	SALT, GRADE 1 (50 LB SACK)	Pounds	100
2/10/2011	OakGrove	SALT, GRADE 1 (50 LB SACK)	Pounds	50
2/9/2011	OakGrove	SALT, GRADE 1 (50 LB SACK)	Pounds	200
2/9/2011	OakGrove	SALT, GRADE 1 (50 LB SACK)	Pounds	500
2/10/2011	OakGrove	SALT, GRADE 1 (50 LB SACK)	Pounds	100

Date	City	Material	Unit of Measurement	Quantity
2/9/2011	OakGrove	SALT, GRADE 1 (50 LB SACK)	Pounds	400
2/9/2011	OakGrove	SALT, GRADE 1 (50 LB SACK)	Pounds	150
2/10/2011	OakGrove	SALT, GRADE 1 (50 LB SACK)	Pounds	50
2/9/2011	OakGrove	SALT, GRADE 1 (50 LB SACK)	Pounds	250
2/9/2011	OakGrove	SALT, GRADE 1 (50 LB SACK)	Pounds	100
2/9/2011	OakGrove	SALT, GRADE 1 (50 LB SACK)	Pounds	100
2/10/2011	OakGrove	SALT, GRADE 1 (50 LB SACK)	Pounds	100
2/9/2011	OakGrove	SALT, GRADE 1 (50 LB SACK)	Pounds	100
2/9/2011	OakGrove	SALT, GRADE 1 (50 LB SACK)	Pounds	150
2/9/2011	OakGrove	SALT, GRADE 1 (50 LB SACK)	Pounds	100
2/10/2011	OakGrove	SALT, GRADE 1 (50 LB SACK)	Pounds	50
2/9/2011	OakGrove	SALT, GRADE 1 (50 LB SACK)	Pounds	100
2/10/2011	OakGrove	SALT, GRADE 1 (50 LB SACK)	Pounds	50
2/10/2011	OakGrove	SALT, GRADE 1 (50 LB SACK)	Pounds	50
2/9/2011	OakGrove	SALT, GRADE 1 (50 LB SACK)	Pounds	250
2/10/2011	OakGrove	SALT, GRADE 1 (50 LB SACK)	Pounds	50
2/9/2011	OakGrove	SALT, GRADE 1 (50 LB SACK)	Pounds	100
2/9/2011	OakGrove	SALT, GRADE 1 (50 LB SACK)	Pounds	400
2/10/2011	OakGrove	SALT, GRADE 1 (50 LB SACK)	Pounds	50
2/9/2011	OakGrove	SALT, GRADE 1 (50 LB SACK)	Pounds	100
2/9/2011	OakGrove	SALT, GRADE 1 (50 LB SACK)	Pounds	250
2/10/2011	OakGrove	SALT, GRADE 1 (50 LB SACK)	Pounds	100
2/9/2011	OakGrove	SALT, GRADE 1 (50 LB SACK)	Pounds	150
2/10/2011	OakGrove	SALT, GRADE 1 (50 LB SACK)	Pounds	200
2/10/2011	OakGrove	SALT, GRADE 1 (50 LB SACK)	Pounds	200
2/10/2011	OakGrove	SALT, GRADE 1 (50 LB SACK)	Pounds	150
2/10/2011	OakGrove	SALT, GRADE 1 (50 LB SACK)	Pounds	150
2/10/2011	OakGrove	SALT, GRADE 1 (50 LB SACK)	Pounds	150
2/10/2011	OakGrove	SALT, GRADE 1 (50 LB SACK)	Pounds	150
2/10/2011	OakGrove	SALT, GRADE 1 (50 LB SACK)	Pounds	100
2/10/2011	OakGrove	SALT, GRADE 1 (50 LB SACK)	Pounds	150
2/10/2011	OakGrove	SALT, GRADE 1 (50 LB SACK)	Pounds	50
2/10/2011	OakGrove	SALT, GRADE 1 (50 LB SACK)	Pounds	100
		TOTAL		**19850**
2/3/2011	Oberlin	AGGREGATE,LIGHTWEIGHT,F/DEICING	Cubic Yards	5
2/4/2011	Oberlin	AGGREGATE,LIGHTWEIGHT,F/DEICING	Cubic Yards	5
		TOTAL		**10**

Date	City	Material	Unit of Measurement	Quantity
2/4/2011	Olla	SALT, GRADE 1 (50 LB SACK)	Pounds	300
		TOTAL		**300**
1/9/2011	Rayville	SALT, GRADE 1 (50 LB SACK)	Pounds	35000
1/9/2011	Rayville	SALT, GRADE 1 (50 LB SACK)	Pounds	1700
1/10/2011	Rayville	SALT, GRADE 1 (50 LB SACK)	Pounds	2400
2/4/2011	Rayville	SALT, GRADE 1 (50 LB SACK)	Pounds	250
2/4/2011	Rayville	SALT, GRADE 1 (50 LB SACK)	Pounds	250
2/4/2011	Rayville	SALT, GRADE 1 (50 LB SACK)	Pounds	1000
2/4/2011	Rayville	SALT, GRADE 1 (50 LB SACK)	Pounds	2300
2/4/2011	Rayville	SALT, GRADE 1 (50 LB SACK)	Pounds	8400
2/4/2011	Rayville	SALT, GRADE 1 (50 LB SACK)	Pounds	8400
2/4/2011	Rayville	SALT, GRADE 1 (50 LB SACK)	Pounds	4750
2/4/2011	Rayville	SALT, GRADE 1 (50 LB SACK)	Pounds	1250
2/4/2011	Rayville	SALT, GRADE 1 (50 LB SACK)	Pounds	2100
2/4/2011	Rayville	SALT, GRADE 1 (50 LB SACK)	Pounds	2100
2/4/2011	Rayville	SALT, GRADE 1 (50 LB SACK)	Pounds	2100
2/5/2011	Rayville	SALT, GRADE 1 (50 LB SACK)	Pounds	2500
2/9/2011	Rayville	SALT, GRADE 1 (50 LB SACK)	Pounds	700
2/9/2011	Rayville	SALT, GRADE 1 (50 LB SACK)	Pounds	700
2/9/2011	Rayville	SALT, GRADE 1 (50 LB SACK)	Pounds	700
2/9/2011	Rayville	SALT, GRADE 1 (50 LB SACK)	Pounds	700
2/9/2011	Rayville	SALT, GRADE 1 (50 LB SACK)	Pounds	700
2/10/2011	Rayville	SALT, GRADE 1 (50 LB SACK)	Pounds	2450
2/10/2011	Rayville	SALT, GRADE 1 (50 LB SACK)	Pounds	2450
2/9/2011	Rayville	SALT, GRADE 1 (50 LB SACK)	Pounds	750
2/9/2011	Rayville	SALT, GRADE 1 (50 LB SACK)	Pounds	700
2/9/2011	Rayville	SALT, GRADE 1 (50 LB SACK)	Pounds	700
2/4/2011	Rayville	SALT, GRADE 1 (50 LB SACK)	Pounds	10500
		TOTAL		**95550**
1/9/2011	Ruston	SALT, GRADE 1 (50 LB SACK)	Pounds	1000
1/9/2011	Ruston	SALT, GRADE 1 (50 LB SACK)	Pounds	6000
1/9/2011	Ruston	SALT, GRADE 1 (50 LB SACK)	Pounds	1000
1/9/2011	Ruston	SALT, GRADE 1 (50 LB SACK)	Pounds	500
1/9/2011	Ruston	SALT, GRADE 1 (50 LB SACK)	Pounds	500
1/9/2011	Ruston	SALT, GRADE 1 (50 LB SACK)	Pounds	500

Date	City	Material	Unit of Measurement	Quantity
1/9/2011	Ruston	SALT, GRADE 1 (50 LB SACK)	Pounds	1350
1/9/2011	Ruston	SALT, GRADE 1 (50 LB SACK)	Pounds	1000
1/9/2011	Ruston	SALT, GRADE 1 (50 LB SACK)	Pounds	1000
1/9/2011	Ruston	SALT, GRADE 1 (50 LB SACK)	Pounds	5000
1/9/2011	Ruston	SALT, GRADE 1 (50 LB SACK)	Pounds	1000
1/9/2011	Ruston	SALT, GRADE 1 (50 LB SACK)	Pounds	1000
1/9/2011	Ruston	SALT, GRADE 1 (50 LB SACK)	Pounds	2500
1/9/2011	Ruston	SALT, GRADE 1 (50 LB SACK)	Pounds	2500
1/9/2011	Ruston	SALT, GRADE 1 (50 LB SACK)	Pounds	500
1/9/2011	Ruston	SALT, GRADE 1 (50 LB SACK)	Pounds	250
1/9/2011	Ruston	SALT, GRADE 1 (50 LB SACK)	Pounds	750
1/10/2011	Ruston	SALT, GRADE 1 (50 LB SACK)	Pounds	250
1/10/2011	Ruston	SALT, GRADE 1 (50 LB SACK)	Pounds	7250
1/10/2011	Ruston	SALT, GRADE 1 (50 LB SACK)	Pounds	500
1/10/2011	Ruston	SALT, GRADE 1 (50 LB SACK)	Pounds	250
1/10/2011	Ruston	SALT, GRADE 1 (50 LB SACK)	Pounds	500
1/10/2011	Ruston	SALT, GRADE 1 (50 LB SACK)	Pounds	250
1/10/2011	Ruston	SALT, GRADE 1 (50 LB SACK)	Pounds	250
1/10/2011	Ruston	SALT, GRADE 1 (50 LB SACK)	Pounds	250
1/10/2011	Ruston	SALT, GRADE 1 (50 LB SACK)	Pounds	250
1/10/2011	Ruston	SALT, GRADE 1 (50 LB SACK)	Pounds	250
1/10/2011	Ruston	SALT, GRADE 1 (50 LB SACK)	Pounds	750
1/10/2011	Ruston	SALT, GRADE 1 (50 LB SACK)	Pounds	500
1/10/2011	Ruston	SALT, GRADE 1 (50 LB SACK)	Pounds	250
1/10/2011	Ruston	SALT, GRADE 1 (50 LB SACK)	Pounds	500
1/10/2011	Ruston	SALT, GRADE 1 (50 LB SACK)	Pounds	250
1/10/2011	Ruston	SALT, GRADE 1 (50 LB SACK)	Pounds	2450
2/4/2011	Ruston	SALT, GRADE 1 (50 LB SACK)	Pounds	2500
2/4/2011	Ruston	SALT, GRADE 1 (50 LB SACK)	Pounds	1000
2/4/2011	Ruston	SALT, GRADE 1 (50 LB SACK)	Pounds	10000
2/4/2011	Ruston	SALT, GRADE 1 (50 LB SACK)	Pounds	1000
2/4/2011	Ruston	SALT, GRADE 1 (50 LB SACK)	Pounds	2000
2/4/2011	Ruston	SALT, GRADE 1 (50 LB SACK)	Pounds	4400
2/4/2011	Ruston	SALT, GRADE 1 (50 LB SACK)	Pounds	4300
2/4/2011	Ruston	SALT, GRADE 1 (50 LB SACK)	Pounds	500
2/4/2011	Ruston	SALT, GRADE 1 (50 LB SACK)	Pounds	1000
2/4/2011	Ruston	SALT, GRADE 1 (50 LB SACK)	Pounds	2500
2/4/2011	Ruston	SALT, GRADE 1 (50 LB SACK)	Pounds	1000

Date	City	Material	Unit of Measurement	Quantity
2/4/2011	Ruston	SALT, GRADE 1 (50 LB SACK)	Pounds	2500
2/4/2011	Ruston	SALT, GRADE 1 (50 LB SACK)	Pounds	4550
2/4/2011	Ruston	SALT, GRADE 1 (50 LB SACK)	Pounds	4000
2/4/2011	Ruston	SALT, GRADE 1 (50 LB SACK)	Pounds	100
2/4/2011	Ruston	SALT, GRADE 1 (50 LB SACK)	Pounds	400
2/4/2011	Ruston	SALT, GRADE 1 (50 LB SACK)	Pounds	200
2/4/2011	Ruston	SALT, GRADE 1 (50 LB SACK)	Pounds	100
2/4/2011	Ruston	SALT, GRADE 1 (50 LB SACK)	Pounds	100
2/4/2011	Ruston	SALT, GRADE 1 (50 LB SACK)	Pounds	2000
2/4/2011	Ruston	SALT, GRADE 1 (50 LB SACK)	Pounds	1500
2/4/2011	Ruston	SALT, GRADE 1 (50 LB SACK)	Pounds	500
2/4/2011	Ruston	SALT, GRADE 1 (50 LB SACK)	Pounds	500
2/4/2011	Ruston	SALT, GRADE 1 (50 LB SACK)	Pounds	1000
2/4/2011	Ruston	SALT, GRADE 1 (50 LB SACK)	Pounds	500
2/4/2011	Ruston	SALT, GRADE 1 (50 LB SACK)	Pounds	500
2/4/2011	Ruston	SALT, GRADE 1 (50 LB SACK)	Pounds	4700
2/4/2011	Ruston	SALT, GRADE 1 (50 LB SACK)	Pounds	1750
2/4/2011	Ruston	SALT, GRADE 1 (50 LB SACK)	Pounds	1750
2/4/2011	Ruston	SALT, GRADE 1 (50 LB SACK)	Pounds	4800
2/4/2011	Ruston	SALT, GRADE 1 (50 LB SACK)	Pounds	500
2/4/2011	Ruston	SALT, GRADE 1 (50 LB SACK)	Pounds	1000
2/4/2011	Ruston	SALT, GRADE 1 (50 LB SACK)	Pounds	750
2/4/2011	Ruston	SALT, GRADE 1 (50 LB SACK)	Pounds	1000
2/4/2011	Ruston	SALT, GRADE 1 (50 LB SACK)	Pounds	250
2/4/2011	Ruston	SALT, GRADE 1 (50 LB SACK)	Pounds	1500
2/5/2011	Ruston	SALT, GRADE 1 (50 LB SACK)	Pounds	2500
2/5/2011	Ruston	SALT, GRADE 1 (50 LB SACK)	Pounds	500
2/5/2011	Ruston	SALT, GRADE 1 (50 LB SACK)	Pounds	1900
2/9/2011	Ruston	SALT, GRADE 1 (50 LB SACK)	Pounds	1500
2/9/2011	Ruston	SALT, GRADE 1 (50 LB SACK)	Pounds	2000
2/9/2011	Ruston	SALT, GRADE 1 (50 LB SACK)	Pounds	800
2/9/2011	Ruston	SALT, GRADE 1 (50 LB SACK)	Pounds	500
2/9/2011	Ruston	SALT, GRADE 1 (50 LB SACK)	Pounds	3750
2/9/2011	Ruston	SALT, GRADE 1 (50 LB SACK)	Pounds	500
2/9/2011	Ruston	SALT, GRADE 1 (50 LB SACK)	Pounds	750
2/10/2011	Ruston	SALT, GRADE 1 (50 LB SACK)	Pounds	700
2/10/2011	Ruston	SALT, GRADE 1 (50 LB SACK)	Pounds	750
2/10/2011	Ruston	SALT, GRADE 1 (50 LB SACK)	Pounds	1000

Date	City	Material	Unit of Measurement	Quantity
		TOTAL		**124850**
2/9/2011	Shreveport	DEICER,CALCIUM MAGNESIUM ACETATE	Pounds	1925
2/9/2011	Shreveport	DEICER,CALCIUM MAGNESIUM ACETATE	Pounds	1925
2/9/2011	Shreveport	DEICER,CALCIUM MAGNESIUM ACETATE	Pounds	3013
2/9/2011	Shreveport	DEICER,CALCIUM MAGNESIUM ACETATE	Pounds	3100
2/9/2011	Shreveport	DEICER,CALCIUM MAGNESIUM ACETATE	Pounds	3400
2/9/2011	Shreveport	DEICER,CALCIUM MAGNESIUM ACETATE	Pounds	1250
2/9/2011	Shreveport	DEICER,CALCIUM MAGNESIUM ACETATE	Pounds	3380
2/9/2011	Shreveport	DEICER,CALCIUM MAGNESIUM ACETATE	Pounds	1200
2/9/2011	Shreveport	DEICER,CALCIUM MAGNESIUM ACETATE	Pounds	1100
2/9/2011	Shreveport	DEICER,CALCIUM MAGNESIUM ACETATE	Pounds	1400
		TOTAL		**21693**
1/9/2011	Shreveport	SALT, GRADE 1 (50 LB SACK)	Pounds	4900
1/9/2011	Shreveport	SALT, GRADE 1 (50 LB SACK)	Pounds	5000
1/9/2011	Shreveport	SALT, GRADE 1 (50 LB SACK)	Pounds	2350
1/9/2011	Shreveport	SALT, GRADE 1 (50 LB SACK)	Pounds	1000
1/9/2011	Shreveport	SALT, GRADE 1 (50 LB SACK)	Pounds	4950
1/9/2011	Shreveport	SALT, GRADE 1 (50 LB SACK)	Pounds	2862.5
1/9/2011	Shreveport	SALT, GRADE 1 (50 LB SACK)	Pounds	2700
1/9/2011	Shreveport	SALT, GRADE 1 (50 LB SACK)	Pounds	1500
1/9/2011	Shreveport	SALT, GRADE 1 (50 LB SACK)	Pounds	350
1/9/2011	Shreveport	SALT, GRADE 1 (50 LB SACK)	Pounds	100
1/9/2011	Shreveport	SALT, GRADE 1 (50 LB SACK)	Pounds	500
1/9/2011	Shreveport	SALT, GRADE 1 (50 LB SACK)	Pounds	5400
1/9/2011	Shreveport	SALT, GRADE 1 (50 LB SACK)	Pounds	5400
1/9/2011	Shreveport	SALT, GRADE 1 (50 LB SACK)	Pounds	7450
1/9/2011	Shreveport	SALT, GRADE 1 (50 LB SACK)	Pounds	1800
1/9/2011	Shreveport	SALT, GRADE 1 (50 LB SACK)	Pounds	1000
1/9/2011	Shreveport	SALT, GRADE 1 (50 LB SACK)	Pounds	1000
1/9/2011	Shreveport	SALT, GRADE 1 (50 LB SACK)	Pounds	1000
1/9/2011	Shreveport	SALT, GRADE 1 (50 LB SACK)	Pounds	950
1/9/2011	Shreveport	SALT, GRADE 1 (50 LB SACK)	Pounds	950
1/10/2011	Shreveport	SALT, GRADE 1 (50 LB SACK)	Pounds	2450
1/10/2011	Shreveport	SALT, GRADE 1 (50 LB SACK)	Pounds	2450
1/10/2011	Shreveport	SALT, GRADE 1 (50 LB SACK)	Pounds	2450
1/10/2011	Shreveport	SALT, GRADE 1 (50 LB SACK)	Pounds	2450

Date	City	Material	Unit of Measurement	Quantity
1/10/2011	Shreveport	SALT, GRADE 1 (50 LB SACK)	Pounds	25000
1/11/2011	Shreveport	SALT, GRADE 1 (50 LB SACK)	Pounds	9800
1/11/2011	Shreveport	SALT, GRADE 1 (50 LB SACK)	Pounds	1250
1/10/2011	Shreveport	SALT, GRADE 1 (50 LB SACK)	Pounds	2250
1/10/2011	Shreveport	SALT, GRADE 1 (50 LB SACK)	Pounds	2250
1/10/2011	Shreveport	SALT, GRADE 1 (50 LB SACK)	Pounds	2450
1/10/2011	Shreveport	SALT, GRADE 1 (50 LB SACK)	Pounds	2450
1/10/2011	Shreveport	SALT, GRADE 1 (50 LB SACK)	Pounds	2450
1/10/2011	Shreveport	SALT, GRADE 1 (50 LB SACK)	Pounds	2450
1/10/2011	Shreveport	SALT, GRADE 1 (50 LB SACK)	Pounds	2450
1/10/2011	Shreveport	SALT, GRADE 1 (50 LB SACK)	Pounds	4900
1/11/2011	Shreveport	SALT, GRADE 1 (50 LB SACK)	Pounds	39250
1/11/2011	Shreveport	SALT, GRADE 1 (50 LB SACK)	Pounds	39000
2/2/2011	Shreveport	SALT, GRADE 1 (50 LB SACK)	Pounds	500
2/2/2011	Shreveport	SALT, GRADE 1 (50 LB SACK)	Pounds	1000
2/3/2011	Shreveport	SALT, GRADE 1 (50 LB SACK)	Pounds	24500
2/3/2011	Shreveport	SALT, GRADE 1 (50 LB SACK)	Pounds	10000
2/3/2011	Shreveport	SALT, GRADE 1 (50 LB SACK)	Pounds	5000
2/3/2011	Shreveport	SALT, GRADE 1 (50 LB SACK)	Pounds	2650
2/3/2011	Shreveport	SALT, GRADE 1 (50 LB SACK)	Pounds	2750
2/3/2011	Shreveport	SALT, GRADE 1 (50 LB SACK)	Pounds	5000
2/3/2011	Shreveport	SALT, GRADE 1 (50 LB SACK)	Pounds	12950
2/3/2011	Shreveport	SALT, GRADE 1 (50 LB SACK)	Pounds	5000
2/4/2011	Shreveport	SALT, GRADE 1 (50 LB SACK)	Pounds	25000
2/4/2011	Shreveport	SALT, GRADE 1 (50 LB SACK)	Pounds	15000
2/4/2011	Shreveport	SALT, GRADE 1 (50 LB SACK)	Pounds	7000
2/4/2011	Shreveport	SALT, GRADE 1 (50 LB SACK)	Pounds	750
2/4/2011	Shreveport	SALT, GRADE 1 (50 LB SACK)	Pounds	2500
2/4/2011	Shreveport	SALT, GRADE 1 (50 LB SACK)	Pounds	1000
2/4/2011	Shreveport	SALT, GRADE 1 (50 LB SACK)	Pounds	250
2/4/2011	Shreveport	SALT, GRADE 1 (50 LB SACK)	Pounds	1000
2/4/2011	Shreveport	SALT, GRADE 1 (50 LB SACK)	Pounds	250
2/4/2011	Shreveport	SALT, GRADE 1 (50 LB SACK)	Pounds	2250
2/4/2011	Shreveport	SALT, GRADE 1 (50 LB SACK)	Pounds	2500
2/4/2011	Shreveport	SALT, GRADE 1 (50 LB SACK)	Pounds	250
2/4/2011	Shreveport	SALT, GRADE 1 (50 LB SACK)	Pounds	2500
2/4/2011	Shreveport	SALT, GRADE 1 (50 LB SACK)	Pounds	450
2/4/2011	Shreveport	SALT, GRADE 1 (50 LB SACK)	Pounds	2500

Date	City	Material	Unit of Measurement	Quantity
2/4/2011	Shreveport	SALT, GRADE 1 (50 LB SACK)	Pounds	2500
2/4/2011	Shreveport	SALT, GRADE 1 (50 LB SACK)	Pounds	250
2/4/2011	Shreveport	SALT, GRADE 1 (50 LB SACK)	Pounds	250
2/4/2011	Shreveport	SALT, GRADE 1 (50 LB SACK)	Pounds	17150
2/4/2011	Shreveport	SALT, GRADE 1 (50 LB SACK)	Pounds	12250
2/4/2011	Shreveport	SALT, GRADE 1 (50 LB SACK)	Pounds	24500
2/4/2011	Shreveport	SALT, GRADE 1 (50 LB SACK)	Pounds	14650
2/4/2011	Shreveport	SALT, GRADE 1 (50 LB SACK)	Pounds	7350
2/4/2011	Shreveport	SALT, GRADE 1 (50 LB SACK)	Pounds	47750
2/4/2011	Shreveport	SALT, GRADE 1 (50 LB SACK)	Pounds	1500
2/4/2011	Shreveport	SALT, GRADE 1 (50 LB SACK)	Pounds	750
2/4/2011	Shreveport	SALT, GRADE 1 (50 LB SACK)	Pounds	1900
2/4/2011	Shreveport	SALT, GRADE 1 (50 LB SACK)	Pounds	300
2/4/2011	Shreveport	SALT, GRADE 1 (50 LB SACK)	Pounds	1500
2/4/2011	Shreveport	SALT, GRADE 1 (50 LB SACK)	Pounds	750
2/4/2011	Shreveport	SALT, GRADE 1 (50 LB SACK)	Pounds	500
2/4/2011	Shreveport	SALT, GRADE 1 (50 LB SACK)	Pounds	500
2/4/2011	Shreveport	SALT, GRADE 1 (50 LB SACK)	Pounds	750
2/4/2011	Shreveport	SALT, GRADE 1 (50 LB SACK)	Pounds	4900
2/4/2011	Shreveport	SALT, GRADE 1 (50 LB SACK)	Pounds	4900
2/4/2011	Shreveport	SALT, GRADE 1 (50 LB SACK)	Pounds	12250
2/5/2011	Shreveport	SALT, GRADE 1 (50 LB SACK)	Pounds	8000
2/5/2011	Shreveport	SALT, GRADE 1 (50 LB SACK)	Pounds	31250
2/5/2011	Shreveport	SALT, GRADE 1 (50 LB SACK)	Pounds	36800
2/9/2011	Shreveport	SALT, GRADE 1 (50 LB SACK)	Pounds	9800
2/9/2011	Shreveport	SALT, GRADE 1 (50 LB SACK)	Pounds	16750
2/10/2011	Shreveport	SALT, GRADE 1 (50 LB SACK)	Pounds	16900
2/9/2011	Shreveport	SALT, GRADE 1 (50 LB SACK)	Pounds	1700
1/9/2011	Shreveport	SALT, GRADE 1 (80 LB SACK)	Pounds	16800
1/9/2011	Shreveport	SALT, GRADE 1 (80 LB SACK)	Pounds	2400
1/9/2011	Shreveport	SALT, GRADE 1 (80 LB SACK)	Pounds	1600
1/9/2011	Shreveport	SALT, GRADE 1 (80 LB SACK)	Pounds	1600
1/9/2011	Shreveport	SALT, GRADE 1 (80 LB SACK)	Pounds	8000
1/9/2011	Shreveport	SALT, GRADE 1 (80 LB SACK)	Pounds	2400
1/9/2011	Shreveport	SALT, GRADE 1 (80 LB SACK)	Pounds	400
1/9/2011	Shreveport	SALT, GRADE 1 (80 LB SACK)	Pounds	2400
1/9/2011	Shreveport	SALT, GRADE 1 (80 LB SACK)	Pounds	1600
1/9/2011	Shreveport	SALT, GRADE 1 (80 LB SACK)	Pounds	1600

Date	City	Material	Unit of Measurement	Quantity
1/9/2011	Shreveport	SALT, GRADE 1 (80 LB SACK)	Pounds	12000
1/9/2011	Shreveport	SALT, GRADE 1 (80 LB SACK)	Pounds	8640
1/9/2011	Shreveport	SALT, GRADE 1 (80 LB SACK)	Pounds	8640
1/9/2011	Shreveport	SALT, GRADE 1 (80 LB SACK)	Pounds	2400
1/9/2011	Shreveport	SALT, GRADE 1 (80 LB SACK)	Pounds	400
1/9/2011	Shreveport	SALT, GRADE 1 (80 LB SACK)	Pounds	2880
1/9/2011	Shreveport	SALT, GRADE 1 (80 LB SACK)	Pounds	2880
1/9/2011	Shreveport	SALT, GRADE 1 (80 LB SACK)	Pounds	2960
1/9/2011	Shreveport	SALT, GRADE 1 (80 LB SACK)	Pounds	2960
1/11/2011	Shreveport	SALT, GRADE 1 (80 LB SACK)	Pounds	4800
1/10/2011	Shreveport	SALT, GRADE 1 (80 LB SACK)	Pounds	960
1/10/2011	Shreveport	SALT, GRADE 1 (80 LB SACK)	Pounds	8000
1/10/2011	Shreveport	SALT, GRADE 1 (80 LB SACK)	Pounds	6400
1/10/2011	Shreveport	SALT, GRADE 1 (80 LB SACK)	Pounds	2080
1/11/2011	Shreveport	SALT, GRADE 1 (80 LB SACK)	Pounds	3600
1/11/2011	Shreveport	SALT, GRADE 1 (80 LB SACK)	Pounds	3760
1/11/2011	Shreveport	SALT, GRADE 1 (80 LB SACK)	Pounds	3600
1/11/2011	Shreveport	SALT, GRADE 1 (80 LB SACK)	Pounds	3600
2/4/2011	Shreveport	SALT, GRADE 1 (80 LB SACK)	Pounds	3200
2/4/2011	Shreveport	SALT, GRADE 1 (80 LB SACK)	Pounds	400
2/4/2011	Shreveport	SALT, GRADE 1 (80 LB SACK)	Pounds	400
2/4/2011	Shreveport	SALT, GRADE 1 (80 LB SACK)	Pounds	400
2/9/2011	Shreveport	SALT, GRADE 1 (80 LB SACK)	Pounds	7200
2/10/2011	Shreveport	SALT, GRADE 1 (80 LB SACK)	Pounds	6400
2/9/2011	Shreveport	SALT, GRADE 1 (80 LB SACK)	Pounds	3200
2/10/2011	Shreveport	SALT, GRADE 1 (80 LB SACK)	Pounds	2400
		TOTAL		**750772.5**
2/9/2011	Sterlington	SALT, GRADE 1 (50 LB SACK)	Pounds	1500
2/9/2011	Sterlington	SALT, GRADE 1 (50 LB SACK)	Pounds	3600
		TOTAL		**5100**
1/9/2011	Tallulah	SALT, GRADE 1 (50 LB SACK)	Pounds	5850
1/9/2011	Tallulah	SALT, GRADE 1 (50 LB SACK)	Pounds	500
1/9/2011	Tallulah	SALT, GRADE 1 (50 LB SACK)	Pounds	2500
1/9/2011	Tallulah	SALT, GRADE 1 (50 LB SACK)	Pounds	1500
1/10/2011	Tallulah	SALT, GRADE 1 (50 LB SACK)	Pounds	1750
1/10/2011	Tallulah	SALT, GRADE 1 (50 LB SACK)	Pounds	3000

Date	City	Material	Unit of Measurement	Quantity
1/10/2011	Tallulah	SALT, GRADE 1 (50 LB SACK)	Pounds	2350
1/10/2011	Tallulah	SALT, GRADE 1 (50 LB SACK)	Pounds	2900
1/12/2011	Tallulah	SALT, GRADE 1 (50 LB SACK)	Pounds	1250
2/3/2011	Tallulah	SALT, GRADE 1 (50 LB SACK)	Pounds	7800
2/3/2011	Tallulah	SALT, GRADE 1 (50 LB SACK)	Pounds	5000
2/4/2011	Tallulah	SALT, GRADE 1 (50 LB SACK)	Pounds	1650
2/4/2011	Tallulah	SALT, GRADE 1 (50 LB SACK)	Pounds	1650
2/4/2011	Tallulah	SALT, GRADE 1 (50 LB SACK)	Pounds	1650
2/4/2011	Tallulah	SALT, GRADE 1 (50 LB SACK)	Pounds	1650
2/4/2011	Tallulah	SALT, GRADE 1 (50 LB SACK)	Pounds	1650
2/4/2011	Tallulah	SALT, GRADE 1 (50 LB SACK)	Pounds	1550
2/4/2011	Tallulah	SALT, GRADE 1 (50 LB SACK)	Pounds	850
2/4/2011	Tallulah	SALT, GRADE 1 (50 LB SACK)	Pounds	750
2/4/2011	Tallulah	SALT, GRADE 1 (50 LB SACK)	Pounds	750
2/4/2011	Tallulah	SALT, GRADE 1 (50 LB SACK)	Pounds	750
2/4/2011	Tallulah	SALT, GRADE 1 (50 LB SACK)	Pounds	750
2/4/2011	Tallulah	SALT, GRADE 1 (50 LB SACK)	Pounds	7200
2/4/2011	Tallulah	SALT, GRADE 1 (50 LB SACK)	Pounds	22500
2/4/2011	Tallulah	SALT, GRADE 1 (50 LB SACK)	Pounds	4000
2/4/2011	Tallulah	SALT, GRADE 1 (50 LB SACK)	Pounds	4750
2/4/2011	Tallulah	SALT, GRADE 1 (50 LB SACK)	Pounds	4900
2/4/2011	Tallulah	SALT, GRADE 1 (50 LB SACK)	Pounds	1500
2/4/2011	Tallulah	SALT, GRADE 1 (50 LB SACK)	Pounds	7900
2/4/2011	Tallulah	SALT, GRADE 1 (50 LB SACK)	Pounds	1000
2/4/2011	Tallulah	SALT, GRADE 1 (50 LB SACK)	Pounds	1000
2/5/2011	Tallulah	SALT, GRADE 1 (50 LB SACK)	Pounds	1150
2/5/2011	Tallulah	SALT, GRADE 1 (50 LB SACK)	Pounds	2150
2/5/2011	Tallulah	SALT, GRADE 1 (50 LB SACK)	Pounds	1600
2/5/2011	Tallulah	SALT, GRADE 1 (50 LB SACK)	Pounds	3600
2/5/2011	Tallulah	SALT, GRADE 1 (50 LB SACK)	Pounds	900
2/5/2011	Tallulah	SALT, GRADE 1 (50 LB SACK)	Pounds	900
2/5/2011	Tallulah	SALT, GRADE 1 (50 LB SACK)	Pounds	900
2/4/2011	Tallulah	SALT, GRADE 1 (50 LB SACK)	Pounds	750
2/10/2011	Tallulah	SALT, GRADE 1 (50 LB SACK)	Pounds	1650
2/10/2011	Tallulah	SALT, GRADE 1 (50 LB SACK)	Pounds	1650
2/10/2011	Tallulah	SALT, GRADE 1 (50 LB SACK)	Pounds	1600
2/10/2011	Tallulah	SALT, GRADE 1 (50 LB SACK)	Pounds	1250
2/10/2011	Tallulah	SALT, GRADE 1 (50 LB SACK)	Pounds	1250

Date	City	Material	Unit of Measurement	Quantity
2/10/2011	Tallulah	SALT, GRADE 1 (50 LB SACK)	Pounds	1250
2/10/2011	Tallulah	SALT, GRADE 1 (50 LB SACK)	Pounds	1150
2/9/2011	Tallulah	SALT, GRADE 1 (50 LB SACK)	Pounds	2000
2/9/2011	Tallulah	SALT, GRADE 1 (50 LB SACK)	Pounds	1000
2/9/2011	Tallulah	SALT, GRADE 1 (50 LB SACK)	Pounds	1900
2/9/2011	Tallulah	SALT, GRADE 1 (50 LB SACK)	Pounds	2000
2/9/2011	Tallulah	SALT, GRADE 1 (50 LB SACK)	Pounds	2250
2/9/2011	Tallulah	SALT, GRADE 1 (50 LB SACK)	Pounds	4500
2/9/2011	Tallulah	SALT, GRADE 1 (50 LB SACK)	Pounds	12300
2/9/2011	Tallulah	SALT, GRADE 1 (50 LB SACK)	Pounds	250
2/9/2011	Tallulah	SALT, GRADE 1 (50 LB SACK)	Pounds	24000
12/8/2011	Tallulah	SALT, GRADE 1 (50 LB SACK)	Pounds	2950
		TOTAL		**177700**
2/3/2011	Trout	SALT, GRADE 1 (50 LB SACK)	Pounds	1000
2/3/2011	Trout	SALT, GRADE 1 (50 LB SACK)	Pounds	700
2/3/2011	Trout	SALT, GRADE 1 (50 LB SACK)	Pounds	1000
2/3/2011	Trout	SALT, GRADE 1 (50 LB SACK)	Pounds	2500
2/3/2011	Trout	SALT, GRADE 1 (50 LB SACK)	Pounds	2500
2/4/2011	Trout	SALT, GRADE 1 (50 LB SACK)	Pounds	500
2/4/2011	Trout	SALT, GRADE 1 (50 LB SACK)	Pounds	1750
2/4/2011	Trout	SALT, GRADE 1 (50 LB SACK)	Pounds	500
2/4/2011	Trout	SALT, GRADE 1 (50 LB SACK)	Pounds	1100
2/4/2011	Trout	SALT, GRADE 1 (50 LB SACK)	Pounds	950
2/4/2011	Trout	SALT, GRADE 1 (50 LB SACK)	Pounds	500
2/4/2011	Trout	SALT, GRADE 1 (50 LB SACK)	Pounds	2300
2/4/2011	Trout	SALT, GRADE 1 (50 LB SACK)	Pounds	500
2/3/2011	Trout	SALT, GRADE 1 (50 LB SACK)	Pounds	500
2/4/2011	Trout	SALT, GRADE 1 (50 LB SACK)	Pounds	1000
2/3/2011	Trout	SALT, GRADE 1 (50 LB SACK)	Pounds	750
2/4/2011	Trout	SALT, GRADE 1 (50 LB SACK)	Pounds	1000
2/3/2011	Trout	SALT, GRADE 1 (50 LB SACK)	Pounds	750
2/4/2011	Trout	SALT, GRADE 1 (50 LB SACK)	Pounds	1000
2/9/2011	Trout	SALT, GRADE 1 (50 LB SACK)	Pounds	500
2/9/2011	Trout	SALT, GRADE 1 (50 LB SACK)	Pounds	300
2/10/2011	Trout	SALT, GRADE 1 (50 LB SACK)	Pounds	250
2/9/2011	Trout	SALT, GRADE 1 (50 LB SACK)	Pounds	750
2/9/2011	Trout	SALT, GRADE 1 (50 LB SACK)	Pounds	750

Date	City	Material	Unit of Measurement	Quantity
2/9/2011	Trout	SALT, GRADE 1 (50 LB SACK)	Pounds	250
2/10/2011	Trout	SALT, GRADE 1 (50 LB SACK)	Pounds	250
2/9/2011	Trout	SALT, GRADE 1 (50 LB SACK)	Pounds	400
2/9/2011	Trout	SALT, GRADE 1 (50 LB SACK)	Pounds	2000
2/10/2011	Trout	SALT, GRADE 1 (50 LB SACK)	Pounds	400
		TOTAL		**26650**
1/10/2011	Vivian	SALT, GRADE 1 (80 LB SACK)	Pounds	960
1/10/2011	Vivian	SALT, GRADE 1 (80 LB SACK)	Pounds	960
1/10/2011	Vivian	SALT, GRADE 1 (80 LB SACK)	Pounds	960
1/10/2011	Vivian	SALT, GRADE 1 (80 LB SACK)	Pounds	960
2/4/2011	Vivian	SALT, GRADE 1 (80 LB SACK)	Pounds	1600
2/4/2011	Vivian	SALT, GRADE 1 (80 LB SACK)	Pounds	5600
2/4/2011	Vivian	SALT, GRADE 1 (80 LB SACK)	Pounds	400
2/4/2011	Vivian	SALT, GRADE 1 (80 LB SACK)	Pounds	400
2/4/2011	Vivian	SALT, GRADE 1 (80 LB SACK)	Pounds	400
2/4/2011	Vivian	SALT, GRADE 1 (80 LB SACK)	Pounds	1200
2/4/2011	Vivian	SALT, GRADE 1 (80 LB SACK)	Pounds	1200
2/4/2011	Vivian	SALT, GRADE 1 (80 LB SACK)	Pounds	1200
2/4/2011	Vivian	SALT, GRADE 1 (80 LB SACK)	Pounds	1200
2/4/2011	Vivian	SALT, GRADE 1 (80 LB SACK)	Pounds	1200
2/4/2011	Vivian	SALT, GRADE 1 (80 LB SACK)	Pounds	1200
2/10/2011	Vivian	SALT, GRADE 1 (80 LB SACK)	Pounds	7200
		TOTAL		**26640**
1/10/2011	Winnfield	SALT, GRADE 1 (80 LB SACK)	Pounds	1920
2/4/2011	Winnfield	SALT, GRADE 1 (80 LB SACK)	Pounds	320
2/4/2011	Winnfield	SALT, GRADE 1 (80 LB SACK)	Pounds	160
2/4/2011	Winnfield	SALT, GRADE 1 (80 LB SACK)	Pounds	320
2/4/2011	Winnfield	SALT, GRADE 1 (80 LB SACK)	Pounds	3280
2/4/2011	Winnfield	SALT, GRADE 1 (80 LB SACK)	Pounds	800
2/4/2011	Winnfield	SALT, GRADE 1 (80 LB SACK)	Pounds	2960
2/4/2011	Winnfield	SALT, GRADE 1 (80 LB SACK)	Pounds	640
2/4/2011	Winnfield	SALT, GRADE 1 (80 LB SACK)	Pounds	640
2/4/2011	Winnfield	SALT, GRADE 1 (80 LB SACK)	Pounds	2400
2/4/2011	Winnfield	SALT, GRADE 1 (80 LB SACK)	Pounds	960
2/3/2011	Winnfield	SALT, GRADE 1 (80 LB SACK)	Pounds	480
2/3/2011	Winnfield	SALT, GRADE 1 (80 LB SACK)	Pounds	480

Date	City	Material	Unit of Measurement	Quantity
2/3/2011	Winnfield	SALT, GRADE 1 (80 LB SACK)	Pounds	480
2/3/2011	Winnfield	SALT, GRADE 1 (80 LB SACK)	Pounds	1280
2/3/2011	Winnfield	SALT, GRADE 1 (80 LB SACK)	Pounds	320
2/3/2011	Winnfield	SALT, GRADE 1 (80 LB SACK)	Pounds	320
2/3/2011	Winnfield	SALT, GRADE 1 (80 LB SACK)	Pounds	560
2/3/2011	Winnfield	SALT, GRADE 1 (80 LB SACK)	Pounds	320
2/4/2011	Winnfield	SALT, GRADE 1 (80 LB SACK)	Pounds	800
2/4/2011	Winnfield	SALT, GRADE 1 (80 LB SACK)	Pounds	480
2/4/2011	Winnfield	SALT, GRADE 1 (80 LB SACK)	Pounds	480
2/4/2011	Winnfield	SALT, GRADE 1 (80 LB SACK)	Pounds	240
2/4/2011	Winnfield	SALT, GRADE 1 (80 LB SACK)	Pounds	560
2/4/2011	Winnfield	SALT, GRADE 1 (80 LB SACK)	Pounds	320
		TOTAL		21520
1/9/2011	Winnsboro	SALT, GRADE 1 (50 LB SACK)	Pounds	100
2/4/2011	Winnsboro	SALT, GRADE 1 (50 LB SACK)	Pounds	1350
2/4/2011	Winnsboro	SALT, GRADE 1 (50 LB SACK)	Pounds	1350
2/4/2011	Winnsboro	SALT, GRADE 1 (50 LB SACK)	Pounds	1350
2/9/2011	Winnsboro	SALT, GRADE 1 (50 LB SACK)	Pounds	400
2/4/2011	Winnsboro	SALT, GRADE 1 (80 LB SACK)	Pounds	720
		TOTAL		**5270**

Date	Parish	Material	Unit of Measurement	Quantity
2/9/2011	Allen	ETHYLENE GLYCOL	Gallons	250
2/9/2011	Beauregard	ETHYLENE GLYCOL	Gallons	250
2/9/2011	Calcasieu	ETHYLENE GLYCOL	Gallons	1000
2/9/2011	Cameron	ETHYLENE GLYCOL	Gallons	500
2/9/2011	Jefferson Davis	ETHYLENE GLYCOL	Gallons	2000
		TOTAL		**4000**

2011 Totals of De-icing/Anti-icing Agents-Statewide		
Material	Unit of Measurement	Quantity
AGGREGATE,LIGHTWEIGHT,F/DEICING	Cubic Yards	221.7
CALCIUM MAGNESIUM ACETATE	Pounds	32343
ETHYLENE GLYCOL	Gallons	4000
SALT	Pounds	2832890