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IN THE STATE OF SOUTH CAROLINA
In the Court of Appeals

APPEAL FROM BAMBERG COUNTY
Court of Common Pleas
Doyet A Early, III, Circuit Court Judge

Case No 2006-CP-05-00034

Connie Carson as Personal Representative
of the Estate of Beryl Harvey,

Appellant,

-v-

CSX Transportation, Inc ,

Respondent

Case No 2006-CP-05-00107

Connie Carson as Personal Representative
of the Estate of Beryl Harvey,

Appellant,

-v-

CSX Transportation, Inc ,

Respondent

RECORD ON APPEAL
Volume IV of IV
(Pages 1434-1621)

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MAY 31 2011
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From Ramsey Steve
Sent Wednesday February 14 2001 12:06 PM
To Vaccarello Vinnie McMaster Mike
Subject RE: Vegetation Management at Passive Public Crossings

Vinnie

Call me and let's discuss this

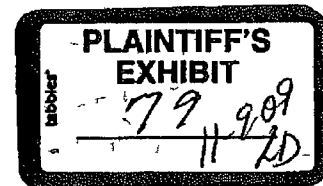
Steve

-----Original Message-----
From Vaccarello Vinnie
Sent Wednesday February 14 2001 11:27 AM
To McMaster Mike
Cc Ramsey Steve
Subject Vegetation Management at Passive Public Crossings

Mike & Steve

There is a possible source of State funding for the initial clearing at the crossings in SC. The State contact responsible for the section 130 funding is R. F. Jenkins at (803) 737-1620. I have been told they would possibly fund the initial clearing if we have a program in place to maintain what is initially cleared. I want to get your approval to contact this person or know if either of you want to handle it? Please let me know at your earliest convenience.

Thanks
Vinnie





From Vaccarello Vinnie
Sent Wednesday August 29 2001 6:32 AM
To McMaster Mike Romaine Larry
Cc Schmidt Tom Hopkins Hugh Pendergrass Mike Ramsey Steve
Subject RE: Logging in municipal areas

If the loggers are required to chip or mulch the debris left behind in city limits they will have to skip these areas because they will be losing money. If we let property owners dictate to us how to leave our right of ways we will also be jeopardy in regards to the passive public crossing cleaning program in SC. I have had some complaints that the material left behind is an eye sore.

Any and all complaints should be directed to me by the Southern Region for immediate response. I have followed up with the property owners and loggers to try and satisfy as well as educate the citizens with some success. This program is the most cost effective way to eliminate vegetation on our right of ways. As budgets keep shrinking we are going to rely on this program even more. This program is not easy and that is why it has never been successful in the past. It is going to take a lot of team work and support from all involved and not throwing up your hands and wanting to quite when things do not go smoothly.

After meeting with all these property owners the biggest problem is that we are removing the barrier between them and the railroad which has never been done before. They also feel they should get money since their property is adjacent to ours. They also want a quick response either by phone or in person which I have done. They have a legitimate complaint about the piles being left along the right of way which the loggers have gone back and spread along the right of way. They left these piles of pulp wood to be picked up by their pulp crews but the market for pulp has gone bad and they can not deliver it. They have been instructed before they leave the site spread the pulp piles out along the right of way.

The final problem is the regions not wanting to provide flagman for this logging operation. The loggers are willing to pay up to \$200.00 a day when they need a flagman to perform this operation. When we use Utilco Brush cutters the region provides a flagman at region cost plus system pays \$1,650.00 to \$2,000.00 per day for cutter. We estimate that it would cost anywhere from \$7,000.00 to \$10,000.00 a mile to do what these loggers are doing at no charge.

We will be shutting down Utilco brush cutters by the end of September across the system. We need to continue this program to supplement the vegetation management program.

Thanks
Vinnie

-----Original Message-----

From McMaster Mike
Sent Friday August 24 2001 1:12 PM
To Romaine Larry Vaccarello Vinnie
Cc Schmidt Tom Hopkins Hugh Pendergrass Mike
Subject RE: Logging in municipal areas

Larry I understand your concern and must also say I've had the same thoughts. However I also firmly believe that removing as many trees and brush as we can from CSXT RAW is a benefit both in safety and cost. This is a process that has been used by other railroads (NS as example) but it's not without headaches. To remove trees by skipping town limits does little to promote safety within these limits and could raise cost to us (there are none today). Additionally this skipping might increase liability to us if an accident were to occur at a location we skipped. I am expecting a response from our legal department concerning how the condition of the property should be left. Also when complaints are brought to the attention of Vinnie or myself we have gone back with the logger to correct. In most cases the complaint stems from the adjacent property owner not sharing in any perceived profits (there are none) and that the railroad property has greater visibility (we're not attractive). If the complaint is due to the debris left behind we have the logger dress up the area. Concerning Stone Mountain we are aware of a complaint and Vinnie traveled to this area with the logger and met the person who filed the complaint and satisfied him. If there are others complaints in that area we are unaware of them.

Perhaps we should review this logging process after response is received from legal and you (or your designee) are more than welcome to participate. Until then we need to continue as planned. I will also address your concerns to Vinnie to cover town limits with the loggers as they are to handle differently than rural areas. If you

know of other complaints and bad press please bring to the attention of both Vinnie and myself so we have the opportunity to handle I anticipate your continued support.

Mike

-----Original Message-----

From Romaine, Larry

Sent Friday, August 24, 2001 11:16 AM

To Vaccarello, Vinnie; McMaster, Mike

Cc Schmidt, Tom; Hopkins, Hugh; Pendergrass, Mike

Subject Logging in municipal areas

We continue to receive a lot of very bad publicity over logging being performed in town areas such as Stone Mountain, GA. While the removal of the trees anywhere on the right of ways has many benefits to CSXT, I believe that the bad publicity and ill-will generated when we do this work without mulching the debris negates the good being done. With this in mind, I feel that we should re-examine the logging policy and require that when working in municipal areas the loggers must mulch all debris. Until this policy can be adapted, I request that all logging on the Southern Region being performed in town limits be stopped immediately.

Ramsey, Steve

om
nt
To
Cc
Subject

Ramsey Steve
Wednesday September 12 2001 8 07 AM
Cooper Lyman Meadows Ann Keegan Susan
McMaster Mike Green Dan
RE White Paper -Tree Program



This one applies only to the logging operations

-----Original Message-----

From Cooper Lyman
Sent Tuesday September 11 2001 3 40 PM
To Meadows Ann Keegan Susan
Cc Ramsey Steve McMaster Mike Green Dan
Subject RE White Paper--Tree Program

this looks good my only question is does it address the grade crossing clearing program which as I recall literally grinds stumps down to ground level I don't know if there are any other differences which would render the document below moot as to the crossing program I am looking at this document as one that I could share with elected officials and corporate communications could share with the media and would hope it could be all inclusive

-----Original Message-----

From Meadows Ann
Sent Monday September 10 2001 9 47 AM
To Keegan Susan
Cc Ramsey Steve Cooper Lyman McMaster Mike Green Dan
Subject RE White Paper--Tree Program

Susan

Steve Ramsey and I further tweaked the white paper Please see below Once it is finalized (should you receive any other comments) we should probably recirculate it Thanks!

Ann and Steve

Program for Clearing Trees and Brush on CSX Transportation Inc's (CSXT) Property by the Utilization of Loggers

Purpose

The purpose of this program is primarily to improve railroad safety by increasing visibility reducing storm damage caused by fallen trees and improving drainage

Program

CSXT will enter into contracts with certified master loggers (Contractors) to cut all trees and brush from CSXT property The Contractors only compensation will be the merchantable timber which they will be permitted to harvest After a season to allow for re growth CSXT will spray the logged areas using licensed applicators to promote native ground cover and to reduce woody brush growth

Specifications

The Contractors will provide the labor equipment and supervision needed to perform their obligations under the contracts Contractors shall cut all trees on CSXT's right of way Contractors will remove the merchantable timber from the property and evenly spread the remaining debris and timber flat on the ground The Contractors shall limit the height of the stumps to one foot and remove the debris from drainage structures walkways waterways and ditches CSXT will provide Contractors with copies of valuation maps showing the approximate location of the respective property lines The Contractors will be required to verify the property lines and to only work within those lines Once the Contractors start work on a CSXT subdivision they must complete such work before moving onto another subdivision The Contractors must perform their duties in a professional manner and in compliance with all safety rules including Roadway Worker rules The Contractors shall be responsible for obtaining any necessary permits

ROA 1457

2019

-----Original Message-----

From Keegan Susan
Sent Friday September 07 2001 5 28 PM
To Romaine Larry Holsteen Mike Basney Bill Loneygro Frank Vaccarello Vinnie Ruehling Mike Frulla Bob Jr Pendergrass
Mike Ramsey Steve Cooper Lyman Green Dan Lynch Denny Hall David Hall Kathy G
Cc Burns Kathy Schmidt Tom Hopkins Hugh Meadows Ann McMaster Mike
Subject FW White Paper-Tree Program

See attached Ann Meadows & Mike McMaster asked that it be circulated to you
Have a great weekend!

Program for Clearing Trees and Brush on CSX Transportation, Inc 's (CSXT) Property by the Utilization of
Loggers

Purpose

The purpose of this program is primarily to improve railroad safety by reducing sight restrictions to reduce storm damage caused by fallen trees and to improve drainage

Problem

Trees and brush on CSXT's right of ways interfere with trains sight and the sight of the motor traveling public at crossings. Moreover, trees can fall and injure people or damage property or track structures increasing the Company's risk of train interference, derailments or other liability. Further, overhead canopies of vegetation restrict sunlight on the track which gives rise to drainage and visibility concerns.

Program

CSXT will enter into contracts with certified master loggers (Contractors). Pursuant to these contracts, CSXT will allow the Contractors to harvest merchantable timber from CSXT property in exchange for the Contractors' agreement to cut down the non-merchantable timber and brush on CSXT property. After a season to allow for re-growth, CSXT will spray the logged areas using licensed applicators to promote native ground cover and to reduce woody brush growth.

Specifications

The Contractors will provide the labor, equipment and supervision needed to perform their obligations under the contracts. Contractors shall cut all trees on CSXT's right of way. Contractors will remove the merchantable timber from the property and evenly spread the remaining debris and timber flat on the ground. The Contractors shall limit the height of the stumps to one foot and remove the debris from drainage structures, waterways, and ditches. CSXT will provide Contractors with copies of valuation maps showing the approximate location of the respective property lines. The Contractors will be required to verify the property lines and to only work within those lines. Once the Contractors start work on a CSXT subdivision, they must complete such work before moving onto another subdivision. The Contractors must perform their duties in a professional manner and in compliance with CSXT's safety rules, including Roadway Worker rules. The Contractors shall be responsible for obtaining any necessary permits.

Compensation

The Contractors' only compensation will be the merchantable timber which they will be permitted to harvest.

2020

ROA - 1438

Ramsey, Steve

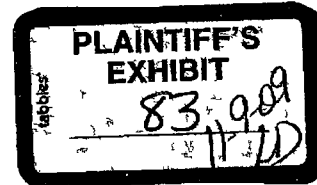
From McMaster Mike
Sent Tuesday December 11 2001 4:38 PM
To Ramsey Steve Powell Buddy
Cc Haas Chris
Subject RE: Vegetation Mgmt at Highway Rail Grade Crossings

Steve I'm somewhat puzzled. Since this is a Legal and Risk Management program, shouldn't you review the SC specifications to see if you have any recommended changes to the specs? I do have several:

- 1) Crossing to be inspected for compliance to specifications and accepted before payment will be approved. If the crossing fails to be found in accordance with the specifications, it must immediately be corrected (within 5 days?) with the cost of re-inspection borne by the contractor.
- 2) 300, 600, and 900 based on information given by specific crossing.
- 3) Crossings must be worked consecutively along the sub and continuously without breaks, excluding weekends or holidays.
- 4) Schedule must be submitted at beginning of program listing equipment, number of men, and updated weekly based on progress. If progress falls behind schedule, number of crews to be increased.
- 5) Cost must be split - a) cost to clear and treat stumps, and b) cost for 1st chemical treatment.
- 6) Should cost be per crossing or per acre?

--Original Message --

From Ramsey, Steve
Sent Tuesday December 11 2001 8:18 AM
To Powell Buddy
Cc Haas Chris McMaster Mike
Subject RE: Vegetation Mgmt at Highway Rail Grade Crossings



There is no table to include with the specs. The area to be cut is defined as the entire width of the railroad right of way (parallel to the roadway) for the following distances parallel to the track:

- 300 ft where Maximum Authorized Speed (as defined in Timetable) is less than or equal to 30 MPH
- 600 ft where Maximum Authorized Speed (as defined in Timetable) is greater than 30 MPH but less than or equal to 60 MPH
- 900 ft where Maximum Authorized Speed (as defined in Timetable) is greater than 60 MPH

As with the SC pilot, this program applies at passive public crossings unless otherwise specified. Also, we may want to retain the flexibility to modify these distances if necessary on a case-by-case basis. Please work with Mike to wordsmith this to make it fit the context of the whole document and fully address his other concerns.

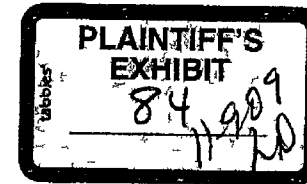
--Original Message--

From Powell Buddy
Sent Monday December 10 2001 5:39 PM
To Ramsey Steve
Cc Haas Chris
Subject Vegetation Mgmt at Highway Rail Grade Crossings

I understand that you have a table based on track speed as to number of feet to be cut at crossings. Can you email this table to me so that I can include with specification?

E-00079

Mentored Champion "Kick-Off" Plan
Commodity Team and Issues
COMMODITY VEGETATION CONTROL AT HIGHWAY RAIL CROSSINGS



Commodity Team

Mentored Champion Patrick L. Powell
Team Members Mike McMaster (Engineering)
Steve Ramsey (Safety)
Chns Haas (P&M)
Cindy Craig Johnson (Law)
Analyst Angie Widdows

Commodity Analysis

Benchmarking
Pricing Trends
Usage Trends
Product Life

Strategies/Interests

List strategies the commodity team has identified and interests of CSXT

- CONCERNED ABOUT SAFETY AT HIGHWAY RAIL PASSIVE CROSSINGS

Goals/Objectives

- DEVELOP PLAN/SPECIFIC ACTION TO REDUCE EXPOSURE
- COMPLETE SOUTHERN HALF OF SYSTEM IN 2002
- COMPLETE NORTHERN HALF OF SYSTEM IN 2003
- COMPLETE PROJECT UNDER BUDGET

ROA - 1440

KM-0611

CONFIDENTIAL

Supply and Services
Management

M/C Form KO 1
Revised 1/16/96

MENTORED CHAMPION
ISSUES, ANALYSIS, RECOMMENDATIONS
COMMODITY VEGETATION CONTROL AT HIGHWAY RAIL CROSSINGS

ISSUES.

SAFETY AT PASSIVE CROSSINGS

ANALYSIS.

NO FRA OR RAILROAD SPECIFICATION AS TO HOW LARGE AN AREA TO CLEAR
STEVE RAMSEY (SAFETY) DEVELOPED SPEC BASED ON SPEED OF TRAIN
COMPLETE SOUTHERN PART OF SYSTEM IN 2002
COMPLETE NORTHERN PART OF SYSTEM IN 2003
\$10M BUDGET FOR 2002
SOUTH CAROLINA PARTIALLY COMPLETED IN 2001 WITH DIFFERENT SPEC PROBLEM WITH CONTRACTOR

RECOMMENDATION

COMPLETE MENTORED CHAMPION PROJECT TO SELECT CONTRACTOR(S)
ISSUE CONTRACT TO THIRD PART TO INSPECT CROSSINGS

KM-0612

CONFIDENTIAL



Labor Relations Department
JAMES H. WILSON
Senior Director Labor Relations

Labor Relations Department
500 Water Street
Jacksonville FL 322

Fax (904) 359-1563
(904) 359-1148
Jim_Wilson@csx.com

March 6 2002

Mr F N Simpson General Chairman
Brotherhood of Maintenance of Way Employees
Allied Eastern Federation
P O Box 278
Manistee MI 49660

Mr W L Glisson, General Chairman
Brotherhood of Maintenance of Way Employees
Seaboard Federation
11219 Longbrooke Drive
Riverview FL 33569

Mr T R McCoy, General Chairman
Brotherhood of Maintenance of Way Employees
Affiliated System Federation
730 Greenup Avenue
Ashland, KY 41101

M G L Cox General Chairman
Brotherhood of Maintenance of Way Employees
Southern System
P O Box 24068
Knoxville TN 37933 2068

Re 3041 17 02 05 (System)

Dear Sirs

This letter is notification of the Carrier's intent to contract the initial clear cutting of each side of various public passive crossings located on the Southern and Regions of the CSX System (see attached). This is a new project by CSXT that involves the clearing of land at grade crossings protected by passive protection (crossbucks). This project involves the clearing of land that had not previously been cleared by the railroad to improve the visibility for the motoring public at these grade crossings. The contractor will control future growth of the cleared areas by treating them with a chemical spray. The operating speed at each crossing will determine the distance of each cut. The proposed start date is approximately March 22 2002.



MM-1719

ROA - 1442

Messrs Simpson, Glisson, McCoy, and Cox
Mach 6, 2002
Page 2

Contracting of this work is necessary, as it requires specialized equipment that CSXT currently does not own or operate. The equipment to be provided by a contractor will include a magnum mulcher, hydroax, geo boy with seppi head, ASV whole tree shear, skidder and chipper and tractor/trailers (see attached). The large capital expenditure needed to purchase this equipment cannot be financially justified since this equipment will be needed only to clear the land initially. Thereafter the growth will be controlled by spraying and subsequent brush cutting. The equipment is not readily available for lease due to the special design of some of this equipment, liability issues, wear and tear on the machines, and the fact that CSXT does not have trained people to operate the equipment properly and safely. Furthermore, it is not feasible for CSXT to train its employees given months of training and daily operation are needed to become qualified enough to safely operate this equipment. Additionally, CSXT forces do not have the required certification, license or training to handle and apply herbicide spray (see attached).

Lastly, CSXT does not anticipate that any BMW-employees in the district will be furloughed at the time this work is performed in that district. If Labor finds the need to discuss this further, arrangements for a conference have been scheduled for March 12, 2002. If you are unable to make this meeting, please contact Phil Jensen of my office at (904) 359-3336 to change the conference to a mutually agreed date and time.

Yours truly

J H Wilson

J H Wilson, Senior Director
Labor Relations

Note: Attachments to follow via US Mail

Bcc C Seavy Staff Engineer (J645)
G Updike Staff Engineer 935 7th Ave Huntington, WV 25701
D R Daniels Staff Engineer 1142 Bluegrass Parkway Louisville KY 40299
T Mohler Staff Engineer 5656 Adamo Dr Tampa, FL 33619
E Jones Contract Coordinator (J350)
R Zenisek, General Manager (J350)
N S Yovanovic, General Counsel

This new program contemplates the removal of trees and clearing of property at some highway-rail grade crossings with passive protection. Meeting the program's specifications requires the use of specialized equipment that CSXT currently does not own or operate. The capital investment to purchase the equipment required to perform the clearing work would total approximately \$12,260,000. This cost is based on the following approximated equipment needs and estimated costs:

Magnum Mulcher 500	(6 @ \$385,000)	\$2,310M
Geo Boy with Seppi Head	(2 @ \$150,000)	\$0,300M
Hydro Ax 721	(2 @ \$175,000)	\$0,350M
John Deere 690L with 30 foot boom and brush cutter head attachment	(2 @ \$150,000)	\$0,300M
Whole Tree Shear	(6 @ \$250,000)	\$1,500M
Whole Tree Skidder	(6 @ \$250,000)	\$1,500M
Whole Tree Chipper	(6 @ \$325,000)	\$1,950M
Vermeer BC 2000 Brush Chipper	(6 @ \$150,000)	\$0,900M
John Deere 6300 Tractor With 6 foot browns mower And tiger side arm mower	(6 @ \$125,000)	\$0,750M
ASV with Grapple or Bobcat	(6 @ \$100,000)	\$0,600M
Tractor/Trailers	(12 @ \$100,000)	\$1,200M
Crew Cab and pick up trucks To transport crews	(12 @ \$50,000)	\$0,600M

The purchase of this equipment is not cost justified because CSXT will not need the equipment in the future. Once the land is cleared, it will be maintained by spraying or subsequent brush cutting. In addition to the cost of acquiring this equipment, it is estimated that maintenance would be approximately \$3,065,000 annually. This assumes the equipment would be used by experienced operators for no more than 40 hours per week.

We have looked into the possibility of leasing the equipment. Attached is a letter from DeAngelo Brothers, a national contractor who performs this sort of work for railroads and other entities, advising that they do not lease this type of equipment due to liability issues and wear and tear that is associated with these high-maintenance pieces of equipment. The letter further

indicates that some of the equipment is uniquely manufactured by them and they could not recommend to CSXT anyone who possesses such equipment available for lease

We believe operation of this equipment will require 15 – 20 skilled equipment operators. The equipment operators for the companies that perform this type work typically undergo up to 2 years of training progressing through a series of positions including laborer/hand tool operator, ground man/spotter and apprentice equipment operator (operating a number of types of both light and heavy equipment for a period of 2 to 4 months under the direct supervision of a qualified operator) in order to operate the equipment properly and safely.

Additionally, it is contemplated that after clearing trees at the crossings covered by the program, that the successful contractor will treat the cleared areas with chemical spray. This will require additional equipment, licenses or permits and expertise that CSXT and employees do not currently have.

The capital investment to purchase the equipment required to perform the chemical application work contemplated would total approximately \$2,023,000 based on the following approximated equipment needs and estimated costs:

Spray Train including spray car		
Tank cars and idler car	(1 @ \$0.375M)	\$0.375M
On-track spray trucks fully equipped	(4 @ \$150,000)	\$0.600M
4-wheel drive trucks equipped with 300 – 500 gal. Stainless steel single system and multi-system tanks and hand hoses	(5 @ \$45,000)	\$0.225M
4-wheel drive tractors equipped with 3-point hitch tanks and radiarc nozzles	(5 @ \$60,000)	\$0.300M
ATV's equipped with tanks and radiarc nozzles	(5 @ \$65,000)	\$0.325M
Support and transport truck for ATV equipped with nurse tank and pump equipment	(5 @ \$40,000)	\$0.200M

Again, this is highly specialized equipment that suppliers are unwilling to lease.

The spray program will require 25-30 workers experienced in chemical spray application, each of whom will need to meet applicable training and certification requirements. In order to handle and apply the vegetation spray, employees must be properly certified and obtain a Pesticides Applications License. Typically, training consists of 4 weeks of classroom

MM-1723

ROA - 1446

training, and one season of on-the-job training with a certified foreman or supervisor. The certification and license may be obtained through attendance of a Pesticide Applicators course offered by Purdue University and the National Railroad Contractors Association (NRCA). The course is offered annually during the third week in January at a cost of \$250.00 per attendee, and involves successful completion of a two-part exam over a three-day period. After obtaining certification, one can apply for a license for each state in which the work is to be performed at a cost of \$35.00 per state. Additional continuing certification credits are required to maintain a Pesticides Applicator License on an annual basis. Each state has its own minimum number of credits that need to be maintained annually to keep the license current. The program specifications require compliance with all local requirements, ordinances or regulations of the various cities, towns and villages where work is performed. The contract specifications further contemplate that the contractor [performer of the work] will be liable for any citations or fines imposed as a result of any violations of such local requirements, ordinances or regulations.



L 00055

CSXT Proposal

Estimated Project Cost

- Initial estimates ranged from \$1000 to \$1500/crossing for initial cutting and from \$200 to \$400/crossing for subsequent year chemical maintenance
- The South Carolina Pilot Project involves approximately 641 crossings. Bids were received from 6 bidders, and ranged from \$437K (\$682/xing) to \$2.3M (\$3588/xing). The average bid was \$894K (\$1395/xing). Elimination of the high and low bids results in an average bid of \$1525/xing.
- The current proposal is to implement the project on a system-wide basis to be completed over a 2 - 3 year period. The project will involve brush cutting only. Subsequent year chemical maintenance will be handled as an addition to the existing weed and brush spray programs.
- The project will start in the Southern Region where
 - Vegetation grows year round
 - Vegetation is more abundant
- Estimated project cost is \$20.3M subject to the following sensitivities:
 - South Carolina program is currently in progress - \$437,000
 - Est. unit cost based on 4x100'x300' area per crossing. Actual unit cost/bid price may vary.
 - Est. that 10% of crossings will have been or will be addressed through other programs such as ROW logging operations or municipal beautification contracts, or are otherwise already compliant by virtue of specific local conditions.

ROA - 1448



File -
Caring Acc Safety

MEMORANDUM

TO Mike Ruehling
FROM Steve Ramsey, Director of Grade Crossing Safety
DATE May 4, 2002
RE Highway-Rail Grade Crossing Clearing Program



CSXT is about to launch a system-wide program to clear-cut and control trees and vegetation at public grade crossings equipped with "passive" warning devices (i.e. crossbucks). The program involves clearing land at designated passive public crossings to improve visibility for the motoring public. It is anticipated that subsequent growth of vegetation in the cleared areas will be controlled through the application of chemical spray.

CSXT will employ an outside contractor, DeAngelo Brothers Inc., to perform the work in accordance with the program specifications. The area cleared at each crossing will depend on the right-of-way width and maximum authorized track speed. Except where state law requires greater amounts of vegetation to be cleared at crossings, or requires additional crossings to be cleared (where in either case CSXT will comply with applicable state law), the contractor will be required to clear the entire width of the operating right-of-way for a distance parallel to the track, in both directions from the edge of the traveled roadway of:

- 300 ft for maximized authorized track speed of 30 mph or less,
- 600 ft for a maximum authorized track speed of 30 to 60 mph,
- 900 ft for a maximum authorized track speed of greater than 60 mph.

The program contemplates clearing trees and vegetation on CSXT property only. The company will furnish appropriate information to the contractor to enable them to identify the boundaries of the CSX operating right-of-way. The contractor will also be responsible for handling or disposing of vegetation residue in a manner that ensures that cleared areas are safe and tidy. In addition, the contractor will be responsible for ensuring compliance with state, federal and local laws, rules, regulations or ordinances (including environmental or other requirements regarding the use of chemical spray).

In order to insure that the program specifications are met, CSXT will employ a separate outside contractor to serve as a project inspector. The project inspector will be responsible for visually inspecting each crossing and ensuring compliance with the program specifications.

ROA - 1449



CJ-0227

During the first year of the program, public passive crossings in the following states will be cleared Alabama, Florida, Georgia Louisiana Kentucky, Mississippi North Carolina, South Carolina and Tennessee The second year of the program will address crossings in remaining states Connecticut, Delaware, Illinois, Indiana, Maryland Michigan New Jersey, New York, Ohio Pennsylvania, Virginia, and West Virginia The proposed start date is May 16, 2002, and a preliminary schedule for the upcoming work is attached

You may want to notify the State Relations group about the program and advise them that work is about to begin More specific schedule information will be provided as the program progresses so that the State Relations group can advise the appropriate local officials and affected community members, if necessary, before cutting begins We may also want to consider preparing a form notice letter for use by the State Relations group I would be pleased to coordinate with the Law and/or Corporate Communications Departments to prepare such a letter

Should you (or your colleagues) have any questions or comments regarding the program, please contact me directly to discuss

cc
M G Aron
K A Burns
J E Codd
C Craig-Johnson
E M Fitzsimmons
C Haas
A I Havens
M A Hollingsworth
H H Hopkins
F Lonergo
E R Lucht
I M Mule Jr
M C McMaster
J R Mohorovic
P L Powell
N S Yovanovic

CJ-0228

ROA - 1450

From McMaster Mike
Sent Monday February 24 2003 7 08 AM
To Wayne Hug Goedde Kelly Powell Buddy Steve Price (E mail)
Bill Patterson
Subject Revised Clearing Specifications

Importance High

Effective immediately 2/24/03

A' crossings - Clear the area as described in existing specifications with the following changes to physical limits

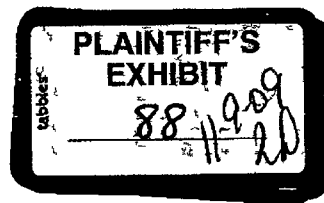
Area to be cleared full width of R/W to a distance 100 from edge of traveled surface (point A) In addition clear from a point located 28 from centerline of track at 350 down the track (point B) measured from edge of traveled surface on a straight line to (point A) located at the cleared edge of R/W 100 from edge of traveled surface

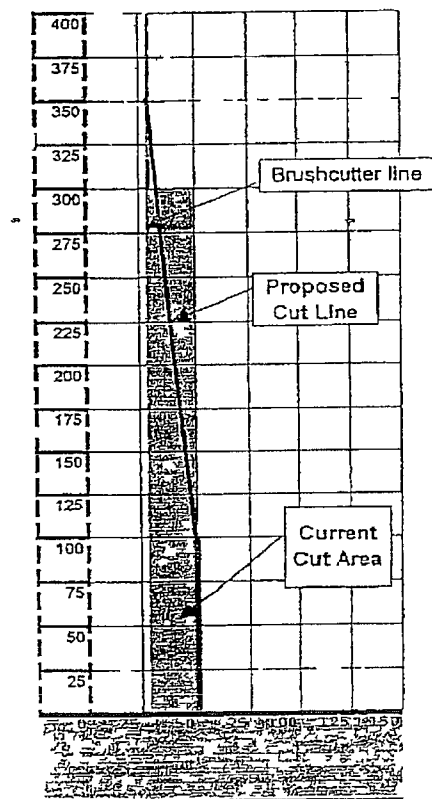
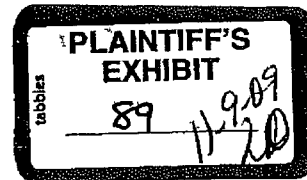
B crossings - Clear the area as described in existing specifications with the following changes to physical limits

Area to be cleared full width of R/W to a distance 100 from edge of traveled surface (point A) In addition clear from a point located 28 from centerline at 650 down the track (point B) measured from edge of traveled surface on a straight line to (point A) the cleared edge of R/W 100 from edge of traveled surface

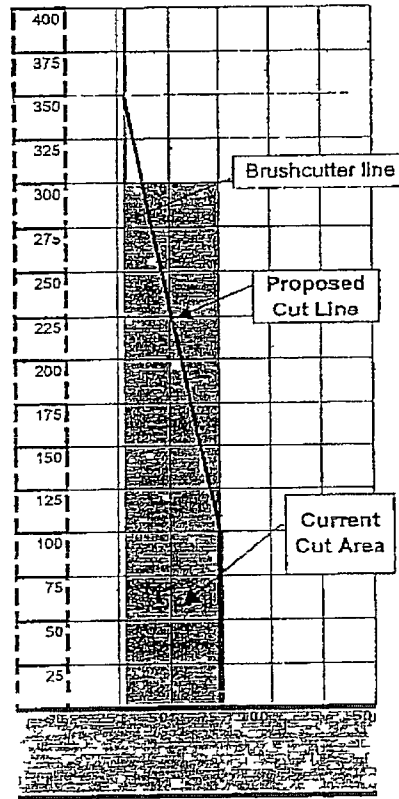
C' crossings - Clear the area as described in existing specifications with the following changes to physical limits

Area to be cleared full width of R/W to a distance 100 from edge of traveled surface (point A) In addition clear from a point located 28 from centerline at 950 down the track (point B) measured from edge of traveled surface on a straight line to (point A) the cleared edge of R/W 100 from edge of traveled surface

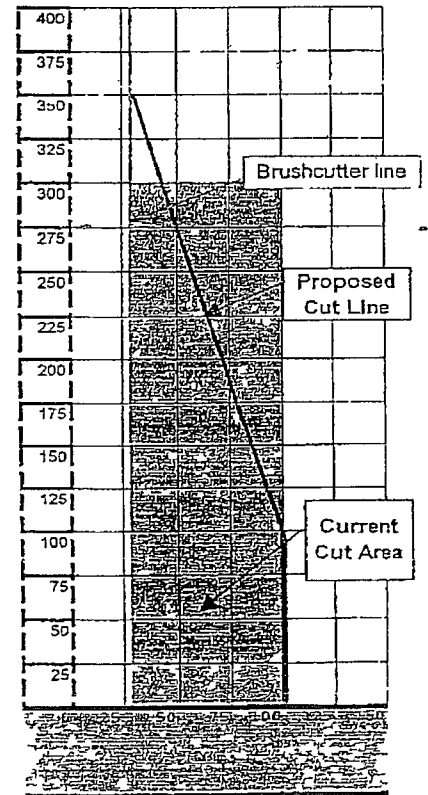




50x350

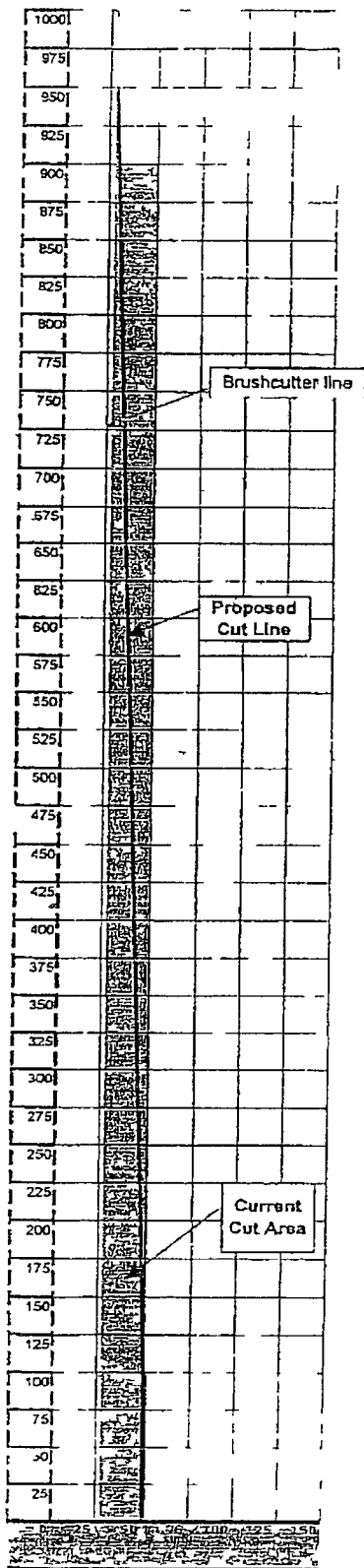


75x350



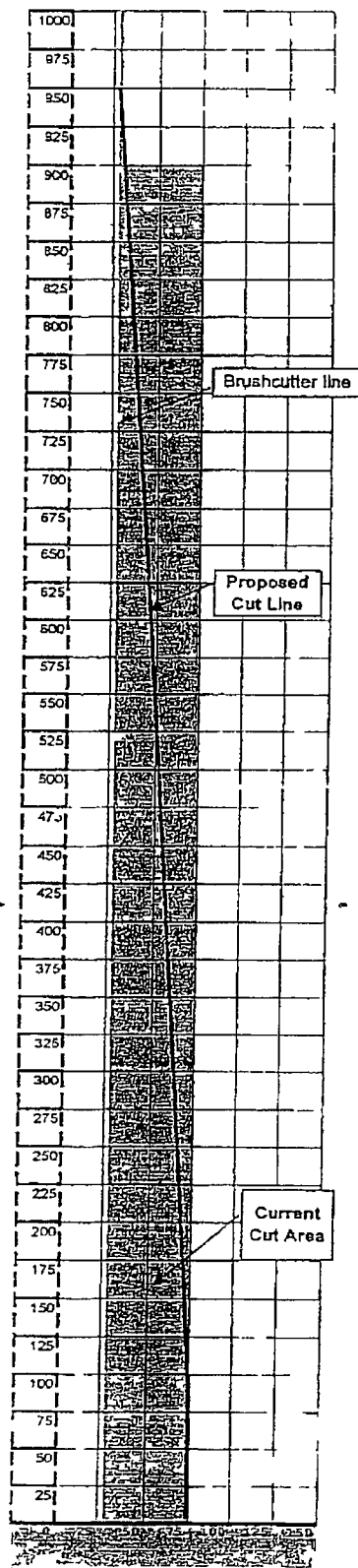
100x350

CX700369

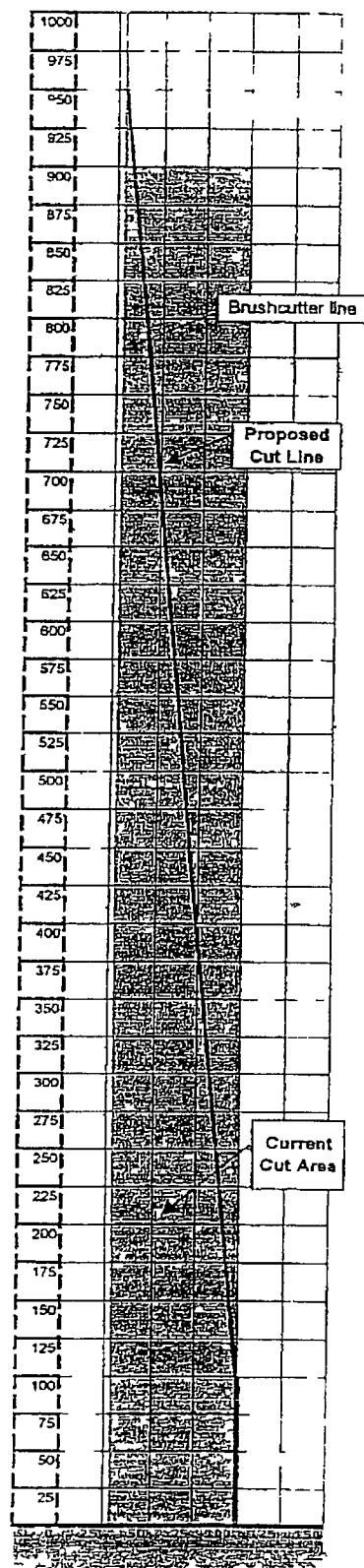


50x950

ROA - 1453

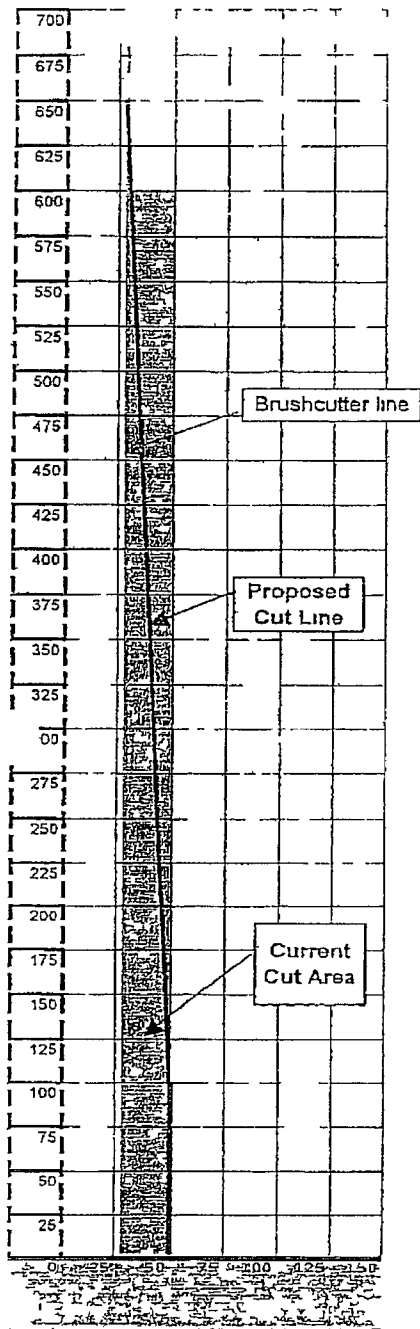


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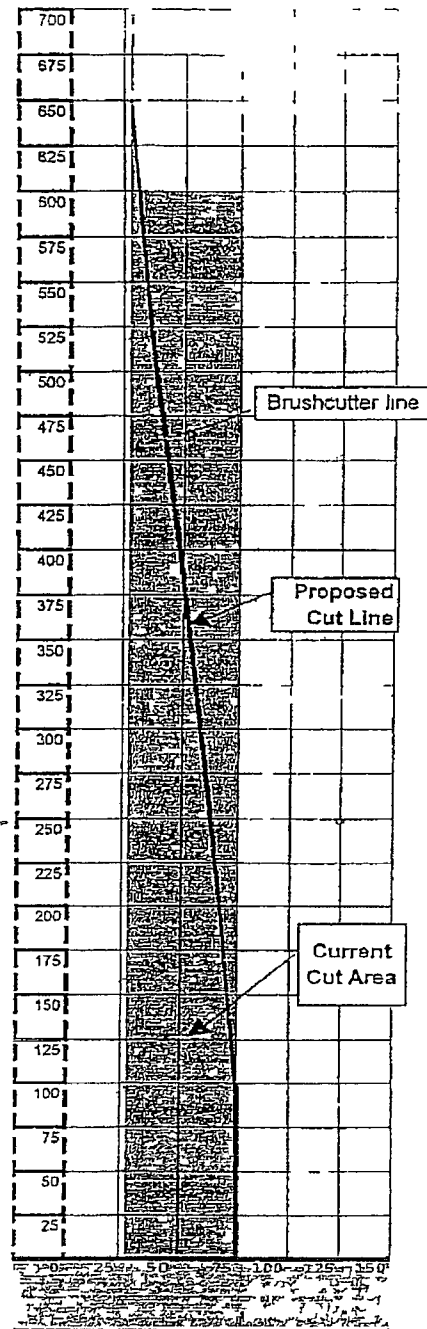


100x950

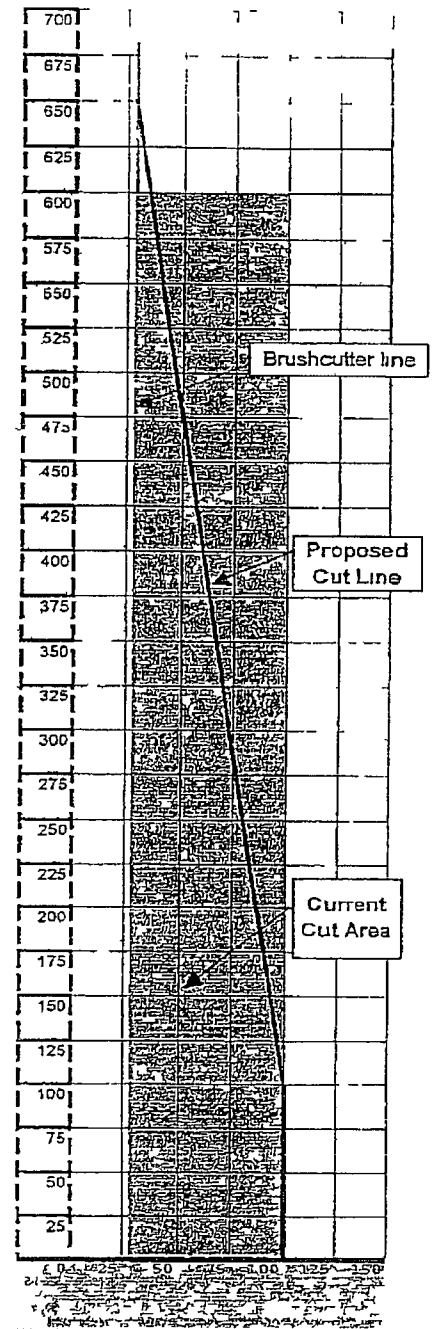
CX700370



50x650

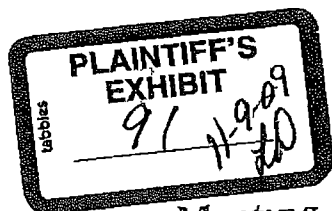


75x650



100x650

CX700371



CONFIDENTIAL SUBJECT
TO PROTECTIVE ORDER



CSX/DBI Crossing Clearing Meeting 4/9/03

Promises/Comments Made to DBI

- If you do a good job in the SE we'll negotiate with you in the NE and won't put work up for bid (Several Times)
- Add more crews and we'll keep you working (11/8/02)
- This is a time sensitive project Concerns over deadline are related to 1) Major Safety Initiative 2) Public Commitment – Statements Made to the Public 3) Commitment to the Board to Complete System by 12/31/03 4) Need to Avoid Liability and Legal Expenses (11/8/02)
- Your letter dated 11/26/02 to award DBI 1066 crossings in the NE Understanding was that this would occur in 2003
- Bid dates and deadlines for awarding work that began in December and have yet to produce any contract awards

DBI's Commitment to the Project

- Agreed to cut 3600 crossings at set prices and did not charge RR for wider crossings
- Added 15 more crews than we planned for
- Invested millions of dollars into additional equipment to help you meet your deadline commitments to your board
- Sacrificed some of our best people at the expense of other customers to provide a quality workforce to CSX
- Hired subcontractors in some cases and paid them more per crossing than CSX paid DBI to help meet deadlines
- Never considered walking away from project despite losses
- Continued to make sacrifices believing you would do what you said by awarding additional work in the north in 2003
- We have done quality work
- We have worked safely and followed all safety rules
- We have improved production to an acceptable level

CX700347

Position We're in Now

- We will have to shut down 2 crews in the next 2 weeks
- We will have to shut down 4 additional crews by early May
- The subcontractors we have on hold for both the crossings remaining in the Southeast and in Illinois will begin to find other work and that will make it more difficult for us to complete the production both of us need this year to meet our goals
- If we don't clear at least 1500 crossings by 10/31/03 we stand to take a huge financial hit that could effect our company for several years

What We Would Like to See Occur Within the Next Week

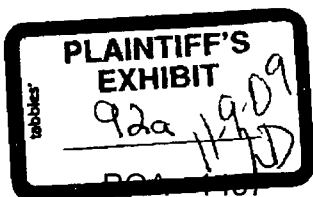
- Award DBI the 331 crossings in the Southeast plus at least 100 in South Carolina and the state of Illinois so we begin working on those no later than May 1st This will meet your obligation on the 1066 crossings
- Release Ohio for bid ASAP Assuming you will be flexible with the deadline in Ohio, we can give you a better price if allowed to begin those later this year We are flexible on when we can start them

From Wine Brad
Sent Monday April 28 2003 8:59 AM
To Powell Buddy Lemaster John
Cc Craig Johnson Cindy Clark Abbv Crosby Steve McMaster Mike
Subject Phase III Final

The attached spreadsheet represents processing for 273 grade crossings (128 requiring exhibits) that were previously cut under the 2001 contract with Timber Management. The necessary research has been completed to bring these particular grade crossings into compliance with current specifications. The exhibit hardcopies will be delivered to Mr. Powell today at 9:30 am for further handling and distribution.

Thank you

Brad Wine



Pref	MP	Div	Subdivision	DOT #	ST	County	City	Street	t_status	ROW Width
YYA	37	AT	ABBEVILLE	279989W	GA	CLARKE	ATHENS	CR 152	4	
YYA	38	AT	ABBEVILLE	280011H	GA	CLARKE	ATHENS	CS 294	4	
YYA	38	AT	ABBEVILLE	280010B	GA	CLARKE	ATHENS	S 915	4	
ANB	864	AT	ATLANTA TERMINAL	638653S	GA	FULTON	ATLANTA	CS 1030	4	
ANB	864	AT	ATLANTA TERMINAL	638652K	GA	FULTON	ATLANTA	TRAVIS ST NW	4	
AK	445	FL	AUGUSTA	633689H	SC	AIKEN	JACKSON	JACKSON RD	1	
AK	446	FL	AUGUSTA	633690C	SC	AIKEN	JACKSON	CO HWY 431	1	200
AK	447	FL	AUGUSTA	633691J	SC	AIKEN	JACKSON	BLUFF LANDING RD	1	
AK	449	FL	AUGUSTA	633692R	SC	AIKEN	JACKSON	S 0032	1	
AK	450	FL	AUGUSTA	633693X	SC	AIKEN	JACKSON	BROWN HILL ROAD	1	200
AK	453	FL	AUGUSTA	633698G	SC	AIKEN	BEECH ISLAND	GUM SWAMP ROAD	1	200
AK	454	FL	AUGUSTA	633699N	SC	AIKEN	BEECH ISLAND	TENNIS RANCH ROAD	1	
AMH	443	FL	AUGUSTA	633466S	SC	HAMPTON	YEMASSEE	CHURCH ST	1	200
AMH	444	FL	AUGUSTA	633467Y	SC	HAMPTON	YEMASSEE	WILLS RD	1	
AMH	444	FL	AUGUSTA	633468F	SC	HAMPTON	YEMASSEE	HILL RD	1	200
AMH	447	FL	AUGUSTA	633472V	SC	HAMPTON	YEMASSEE	RIDGECUT ROAD	1	200
AMH	449	FL	AUGUSTA	633477E	SC	HAMPTON	YEMASSEE	ALPINE ROAD	1	
AMH	449	FL	AUGUSTA	633476X	SC	HAMPTON	YEMASSEE	FICKEN ROAD	1	
AMH	452	FL	AUGUSTA	633479T	SC	HAMPTON	EARLY BRANCH	FECHTIG NORTH	1	200
AMH	452	FL	AUGUSTA	639839J	SC	HAMPTON	YEMASSEE	J & O ROAD	1	
AMH	453	FL	AUGUSTA	633484P	SC	HAMPTON	YEMASSEE	S 0541	1	
AMH	453	FL	AUGUSTA	633483H	SC	HAMPTON	YEMASSEE	S 0042	1	
AMH	455	FL	AUGUSTA	633486D	SC	HAMPTON	YEMASSEE	HENDERSON HWY	1	200
AMH	456	FL	AUGUSTA	633487K	SC	HAMPTON	YEMASSEE	ZION FAIR ROAD	1	200
AMH	456	FL	AUGUSTA	633488S	SC	HAMPTON	YEMASSEE	NO NAME	1	200
AMH	457	FL	AUGUSTA	633489Y	SC	HAMPTON	VARNVILLE	STONY PATRICK RD	1	100
AMH	459	FL	AUGUSTA	633493N	SC	HAMPTON	VARNVILLE	WILLIAMS RD	1	
AMH	460	FL	AUGUSTA	633494V	SC	HAMPTON	VARNVILLE	ACADEMY ST	1	
AMH	460	FL	AUGUSTA	633495C	SC	HAMPTON	VARNVILLE	RENTZ ST	1	
AMH	460	FL	AUGUSTA	633496J	SC	HAMPTON	VARNVILLE	PALM ST	1	
AMH	460	FL	AUGUSTA	633498X	SC	HAMPTON	VARNVILLE	SYCAMORE	1	
AMH	462	FL	AUGUSTA	633502K	SC	HAMPTON	HAMPTON	1ST ST WEST	1	100
AMH	462	FL	AUGUSTA	633503S	SC	HAMPTON	HAMPTON	5TH ST	1	100
AMH	463	FL	AUGUSTA	633506M	SC	HAMPTON	HAMPTON	CROOKED CREEK	1	100
AMH	463	FL	AUGUSTA	633507U	SC	HAMPTON	HAMPTON	S 0280	1	100
AMH	465	FL	AUGUSTA	633511J	SC	HAMPTON	BRUNSON	GATE ROAD	1	100
AMH	466	FL	AUGUSTA	633515L	SC	HAMPTON	BRUNSON	BOWERS CEMETERY	1	100
AMH	468	FL	AUGUSTA	633517A	SC	HAMPTON	BRUNSON	S 0033	1	
AMH	468	FL	AUGUSTA	633518G	SC	HAMPTON	BRUNSON	NO NAME	1	
AMH	468	FL	AUGUSTA	633520H	SC	HAMPTON	BRUNSON	N MANKER ST	1	
AMH	468	FL	AUGUSTA	633521P	SC	HAMPTON	BRUNSON	N MAIN ST	1	
AMH	468	FL	AUGUSTA	633522W	SC	HAMPTON	BRUNSON	BROAD ST	1	
AMH	468	FL	AUGUSTA	633519N	SC	HAMPTON	BRUNSON	ANDERSON ST	1	
AMH	469	FL	AUGUSTA	633525S	SC	HAMPTON	BRUNSON	McMILLAN RD	1	100
AMH	470	FL	AUGUSTA	633527F	SC	HAMPTON	FAIRFAX	TINKER TOWN NORTH	1	
AMH	471	FL	AUGUSTA	633529U	SC	ALLENDALE	FAIRFAX	S 3/447	1	
AMH	472	FL	AUGUSTA	633531V	SC	ALLENDALE	FAIRFAX	S 0016	1	100
AMH	472	FL	AUGUSTA	633534R	SC	ALLENDALE	FAIRFAX	S 18	1	
AMH	472	FL	AUGUSTA	633532C	SC	ALLENDALE	FAIRFAX	S 0043	1	
AMH	474	FL	AUGUSTA	633543P	SC	ALLENDALE	ALLENDALE	S 3/336	1	
AMH	475	FL	AUGUSTA	633546K	SC	ALLENDALE	ALLENDALE	S 3/336	1	
AMH	476	FL	AUGUSTA	633550A	SC	ALLENDALE	ALLENDALE	S 0124	1	70
AMH	476	FL	AUGUSTA	633548Y	SC	ALLENDALE	ALLENDALE	S 0337	1	
AMH	478	FL	AUGUSTA	633557X	SC	ALLENDALE	ALLENDALE	ALABAMA	1	
AMH	478	FL	AUGUSTA	633556R	SC	ALLENDALE	ALLENDALE	S-27	1	
AMH	480	FL	AUGUSTA	633560F	SC	ALLENDALE	ALLENDALE	HWY S 3/53	1	200

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AMH	481	FL	AUGUSTA	633562U	SC	ALLENDAL	ALLENDAL	S 3/52	1	200
AMH	493	FL	AUGUSTA	633576C	SC	ALLENDAL	MARTIN	---		100
AMH	493	FL	AUGUSTA	633577J	SC	ALLENDAL	MARTIN	S 3/368	1	100
AMH	498	FL	AUGUSTA	633584U	SC	BARNWELL	MARTIN	S 6/493	1	
ANJ	974	AT	BIRMINGHAM MINERA	639562P	AL	JEFFERSON		18TH ST	3	
ANJ	974	AT	BIRMINGHAM MINERA	639565K	AL	JEFFERSON		21ST ST	3	
ANJ	974	AT	BIRMINGHAM MINERA	639566S	AL	JEFFERSON		22ND ST	3	
ANJ	974	AT	BIRMINGHAM MINERA	639563W	AL	JEFFERSON		19TH ST	3	
ANJ	974	AT	BIRMINGHAM MINERA	639564D	AL	JEFFERSON		20TH ST	3	
C	1	FL	C N AND L	843289U	SC	RICHLAND	COLUMBIA	PINCKNEY ST	1	
C	3	FL	C N AND L	843292C	SC	RICHLAND	ST ANDREWS	S 2889	1	
C	8	FL	C N AND L	843303B	SC	LEXINGTON	SEVEN OAKS	DRURY LANE		
C	9	FL	C N AND L	843314A	SC	LEXINGTON	SEVEN OAKS	KINLEY CREEK RD		
C	15	FL	C N AND L	843349B	SC	RICHLAND	BALLENTINE	CO RD	1	100
C	16	FL	C N AND L	843352J	SC	RICHLAND	BALLENTINE	S 2399	1	
C	18	FL	C N AND L	843357T	SC	RICHLAND	WHITE ROCK	THREE DOG RD	1	
C	19	FL	C N AND L	843359G	SC	RICHLAND	WHITE ROCK	WALTER MCCARTHA R	1	100
C	20	FL	C N AND L	843360B	SC	RICHLAND	WHITE ROCK	LYNN MCCARTHA RD	1	100
C	24	FL	C N AND L	843376X	SC	LEXINGTON	CHAPIN	COURTLAND RD	1	
C	24	FL	C N AND L	843377E	SC	LEXINGTON	CHAPIN	SKYLARK LN	1	
C	2	FL	C N AND L	843378L	SC	LEXINGTON	CHAPIN	BAYFIELD LN	1	
C	23	FL	C N AND L	843379T	SC	LEXINGTON	CHAPIN	SKYLARK LN	1	100
C	25	FL	C N AND L	843380M	SC	NEWBERRY	CHAPIN	SAM KOON RD	1	100
C	29	FL	C N AND L	843392G	SC	NEWBERRY	LITTLE MOUNTAIN	W CHURCH ST	1	100
C	29	FL	C N AND L	843394V	SC	NEWBERRY	LITTLE MOUNTAIN	DOGWOOD RD	1	100
C	31	FL	C N AND L	843398E	SC	NEWBERRY	LITTLE MOUNTAIN	CALDWELL RD	1	
C	32	FL	C N AND L	843403S	SC	NEWBERRY	LITTLE MOUNTAIN	BURLEY BOLAND RD	1	100
C	34	FL	C N AND L	843411J	SC	NEWBERRY	PROSPERITY	CANDY KITCHEN RD	1	
C	36	FL	C N AND L	843421P	SC	NEWBERRY	PROSPERITY	DEWALT ST	1	
C	40	FL	C N AND L	843427F	SC	NEWBERRY	NEWBERRY	HALTIWANGER DR	1	
C	46	FL	C N AND L	843448Y	SC	NEWBERRY	NEWBERRY	NBY GUN CLUB	1	100
C	48	FL	C N AND L	843451G	SC	NEWBERRY	NEWBERRY	SWEET SPRING RD	1	100
C	49	FL	C N AND L	843453V	SC	NEWBERRY	NEWBERRY	HEAD SPRING RD	1	100
C	50	FL	C N AND L	843457X	SC	NEWBERRY	NEWBERRY	BEAVER DAM CREEK	1	100
C	51	FL	C N AND L	843459L	SC	NEWBERRY	KINARDS	SPRING BRANCH RD	1	100
C	55	FL	C N AND L	843472A	SC	NEWBERRY	KINARDS	GABLE HILL LANE	1	100
C	57	FL	C N AND L	843477J	SC	LAURENS	KINARDS	COUNTY LINE ROAD	1	
C	59	FL	C N AND L	843481Y	SC	LAURENS	JOANNA	CAROLINE AV	1	100
C	61	FL	C N AND L	843489D	SC	LAURENS	JOANNA	BETHLEHAM CH RD	1	
C	70	FL	C N AND L	843515R	SC	LAURENS	CLINTON	CO RD	1	200
C	71	FL	C N AND L	843517E	SC	LAURENS	LAURENS	CO RD	1	200
C	72	FL	C N AND L	843519T	SC	LAURENS	LAURENS	ROCKY SPR CH RD		200
A	300	FL	CHARLESTON	633213J	SC	FLORENCE	FLORENCE	WAVERLY RD	1	
A	301	FL	CHARLESTON	633215X	SC	FLORENCE	FLORENCE	ANDERSON FIELD	1	
A	302	FL	CHARLESTON	633216E	SC	FLORENCE	FLORENCE	EAGERTON RD	1	
A	303	FL	CHARLESTON	633218T	SC	FLORENCE	EFFINGHAM	EAST DUNLAP RD	1	130
A	305	FL	CHARLESTON	633220U	SC	FLORENCE	COWARD	WILLIAMS RD	1	130
A	307	FL	CHARLESTON	633223P	SC	FLORENCE	COWARD	GROOMS ST	1	
A	323	FL	CHARLESTON	633259X	SC	WILLIAMSBURG	CADES	L 192	1	
A	337	FL	CHARLESTON	633284F	SC	WILLIAMSBURG	SALTERS	L 146	1	
A	339	FL	CHARLESTON	633288H	SC	WILLIAMSBURG	LANE	L 146	1	
A	343	FL	CHARLESTON	633293E	SC	WILLIAMSBURG	LANE	NO NAME	1	130
A	359	FL	CHARLESTON	631955V	SC	BERKELEY	BONNEAU	FIELDSTONE LN	1	130
A	409	FL	CHARLESTON	632411B	SC	CHARLESTON	RAVENEL	NEW RD	1	
A	423	FL	CHARLESTON	632423V	SC	COLLETON	GREEN POND	BALCHER LANE	1	
A	433	FL	CHARLESTON	632433B	SC	COLLETON	YEMASSEE	NO NAME	1	
A	463	FL	CHARLESTON	632455B	SC	JASPER	RIDGELAND	SR110	1	200

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A	463	FL	CHARLESTON	632457P	SC	JASPER	RIDGELAND	OLD CHARLESTON RD	1	200
A	465	FL	CHARLESTON	632458W	SC	JASPER	RIDGELAND	HWY 205	1	200
A	476	FL	CHARLESTON	632464A	SC	JASPER	HARDEEVILLE	OLD CHARLESTON RD	1	200
ACN	390	FL	CHARLESTON	631991R	SC	CHARLESTON	CHARLESTON	MISROON	1	
ACN	391	FL	CHARLESTON	631993E	SC	CHARLESTON	CHARLESTON	HACKERMAN AV	1	
ACN	392	FL	CHARLESTON	631996A	SC	CHARLESTON	CHARLESTON	DISCHER ST	1	
ACN	393	FL	CHARLESTON	632001C	SC	CHARLESTON	CHARLESTON	ROMNEY	1	
ACN	393	FL	CHARLESTON	632002J	SC	CHARLESTON	CHARLESTON	HUGUENIN ST		
ACN	395	FL	CHARLESTON	632004X	SC	CHARLESTON	CHARLESTON	S-887	3	
S	363	FL	COLUMBIA	634684C	SC	LEXINGTON	CAYCE	GODLEY ST	1	
S	366	FL	COLUMBIA	634687X	SC	LEXINGTON	CAYCE	PALLET DR	1	100
S	373	FL	COLUMBIA	634700J	SC	LEXINGTON	GASTON	PRESTON ST	1	
S	374	FL	COLUMBIA	634702X	SC	LEXINGTON	GASTON	BALL PARK RD	1	100
S	375	FL	COLUMBIA	634704L	SC	LEXINGTON	GASTON	SPRAWLER ST	1	100
S	376	FL	COLUMBIA	634706A	SC	LEXINGTON	GASTON	BEN SPIRES RD	1	100
S	378	FL	COLUMBIA	634709V	SC	LEXINGTON	SWANSEA	GEORGE DERRICK RD	1	
S	380	FL	COLUMBIA	634714S	SC	LEXINGTON	SWANSEA	W THIRD ST	1	
S	381	FL	COLUMBIA	634715Y	SC	LEXINGTON	SWANSEA	5TH STREET	1	
S	383	FL	COLUMBIA	634718U	SC	LEXINGTON	SWANSEA	LEE WITT RD	1	
S	384	FL	COLUMBIA	634719B	SC	LEXINGTON	WOODFORD	J K RUCKER RD	1	
S	386	FL	COLUMBIA	634721C	SC	ORANGEBURG	WOODFORD	LIGHTNING HILL	1	
S	386	FL	COLUMBIA	634722J	SC	ORANGEBURG	WOODFORD	HAYDEN RD	1	
S	387	FL	COLUMBIA	634725E	SC	ORANGEBURG	WOODFORD	???	1	100
S	387	FL	COLUMBIA	634726L	SC	ORANGEBURG	WOODFORD	PEN BRAND RD	1	100
S	388	FL	COLUMBIA	634727T	SC	ORANGEBURG	NORTH	CREEK MILL RD	1	100
S	389	FL	COLUMBIA	634732P	SC	ORANGEBURG	NORTH	CAMELIA ST	1	
S	393	FL	COLUMBIA	634738F	SC	ORANGEBURG	NORTH	PEACH ST	1	
S	394	FL	COLUMBIA	634739M	SC	ORANGEBURG	LIVINGSTON	OAK ST	1	100
S	395	FL	COLUMBIA	634743C	SC	ORANGEBURG	LIVINGSTON	COUNTY RD O C 2	1	100
S	398	FL	COLUMBIA	634750M	SC	ORANGEBURG	NORWAY	PITTSIDE	1	
S	400	FL	COLUMBIA	634753H	SC	ORANGEBURG	NORWAY	HENRY RD	1	
S	400	FL	COLUMBIA	634756D	SC	ORANGEBURG	NORWAY	OSPREY RD	1	100
S	402	FL	COLUMBIA	634760T	SC	ORANGEBURG	NORWAY	WINCHESTER	1	
S	405	FL	COLUMBIA	634766J	SC	ORANGEBURG	DENMARK	TYLERS LANDING RD	1	100
S	408	FL	COLUMBIA	634770Y	SC	BAMBERG	DENMARK	HWY S 5/555	1	
S	408	FL	COLUMBIA	634769E	SC	BAMBERG	DENMARK	SYKES RD	1	
S	410	FL	COLUMBIA	634772M	SC	BAMBERG	DENMARK	DALLY RD	1	150
S	413	FL	COLUMBIA	634783A	SC	BAMBERG	DENMARK	GRAPEVINE RD	1	
S	413	FL	COLUMBIA	634782T	SC	BAMBERG	DENMARK	LOCUST AVE	1	
S	414	FL	COLUMBIA	634785N	SC	BAMBERG	DENMARK	HONEYFORD RD	1	
S	416	FL	COLUMBIA	634786V	SC	BAMBERG	GOVAN	HEATWOLE RD	1	
S	417	FL	COLUMBIA	634788R	SC	BAMBERG	GOVAN	EUBANKS	1	
S	419	FL	COLUMBIA	634793F	SC	BAMBERG	GOVAN	S 5/549	1	
S	420	FL	COLUMBIA	634795U	SC	BAMBERG	GOVAN	L 416	1	100
S	420	FL	COLUMBIA	634794M	SC	BAMBERG	GOVAN	L 0089	1	100
S	422	FL	COLUMBIA	634801V	SC	BAMBERG	OLAR	HOOKS RD	1	
S	424	FL	COLUMBIA	634803J	SC	BAMBERG	OLAR	S 5/40	1	
S	426	FL	COLUMBIA	634806E	SC	ALLENDALE	ULMER	S 3 145	1	
S	428	FL	COLUMBIA	634808T	SC	ALLENDALE	ULMER	S 3 347	1	300
S	430	FL	COLUMBIA	634811B	SC	ALLENDALE	SYCAMORE	DOBSON ST	1	
S	431	FL	COLUMBIA	634814W	SC	ALLENDALE	SYCAMORE	S 3 146	1	
S	431	FL	COLUMBIA	634812H	SC	ALLENDALE	SYCAMORE	COTTON ST W	1	
S	433	FL	COLUMBIA	634816K	SC	ALLENDALE	SYCAMORE	WALKER RD	1	
S	433	FL	COLUMBIA	634817S	SC	ALLENDALE	FAIRFAX	S 3/89	1	100
S	436	FL	COLUMBIA	634827X	SC	ALLENDALE	FAIRFAX	9TH ST	1	100
S	437	FL	COLUMBIA	634830F	SC	ALLENDALE	FAIRFAX	17TH ST	1	100
S	446	FL	COLUMBIA	634843G	SC	HAMPTON	LURAY	S 0069	1	

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S	417	FL	COLUMBIA	634845V	SC	HAMPTON	LURAY	WATSON ROAD	1	
S	451	FL	COLUMBIA	633971L	SC	HAMPTON	ESTILL	S 810	1	100
S	454	FL	COLUMBIA	634867V	SC	HAMPTON	ESTILL	FOREOT GROVE	1	100
S	458	FL	COLUMBIA	634872S	SC	HAMPTON	GARNETT	OLD DEPOT ST	1	100
S	480	FL	COLUMBIA	634878H	SC	HAMPTON	GARNETT	CHILSOLM DR	1	100
S	461	FL	COLUMBIA	634881R	SC	HAMPTON	GARNETT	BLACK SWAMP RD	1	100
AKA	332	FL	EASTOVER	632612S	SC	SUMTER	SUMTER	COUNCIL	1	
AKA	333	FL	EASTOVER	632615M	SC	SUMTER	SUMTER	CARVER	1	
AKA	340	FL	EASTOVER	632625T	SC	SUMTER	WEDGEFIELD	FORESTRY RD	1	
AKA	341	FL	EASTOVER	632626A	SC	SUMTER	WEDGEFIELD	BULLETT RD	1	
AKA	344	FL	EASTOVER	632630P	SC	SUMTER	WEDGEFIELD	FOXVILLE RD	1	
AKA	352	FL	EASTOVER	632637M	SC	RICHLAND	EASTOVER	HICKORY HILL RD	1	130
AKA	353	FL	EASTOVER	632638U	SC	RICHLAND	EASTOVER	JOYNER ST	1	
AKA	353	FL	EASTOVER	632641C	SC	RICHLAND	EASTOVER	WESTON ST	1	
AKA	353	FL	EASTOVER	632639B	SC	RICHLAND	EASTOVER	ANDERSON ST	1	
AKA	354	FL	EASTOVER	632645E	SC	RICHLAND	EASTOVER	HWY S 40 56	1	130
AKA	358	FL	EASTOVER	632649G	SC	RICHLAND	EASTOVER	OLD CONGAREE RUN	1	
AKA	359	FL	EASTOVER	632650B	SC	RICHLAND	EASTOVER	GUS LANE	1	130
AKA	362	FL	EASTOVER	632190B	SC	RICHLAND	COLUMBIA	HORRELL HILL RD	1	130
AKA	365	FL	EASTOVER	632196S	SC	RICHLAND	COLUMBIA	CENTURY OAKS	1	130
AKA	374	FL	EASTOVER	634655S	SC	RICHLAND	COLUMBIA	LINCOLN ST	1	
AKA	374	FL	EASTOVER	918144U	SC	RICHLAND	COLUMBIA	HEYWARD ST	1	
AKA	374	FL	EASTOVER	634657F	SC	RICHLAND	COLUMBIA	GADSDEN ST	1	
AP	618	JX	FITZGERALD	637316X	GA	ATKINSON	PEARSON	KING ST	1	
S	263	FL	HAMLET	634178B	SC	MARLBORO	WALLACE	PLEASANT HILL RD	1	100
S	266	FL	HAMLET	634182R	SC	MARLBORO	WALLACE	HATCHER HILL RD	1	100
SFH	5	FL	HAMLET TERMINAL	630895K	NC	RICHMOND	ROCKINGHAM	SR 1900	4	
SA	114	FL	NCRTH END	630203T	NC	WARREN	NORLINA	-		
SA	115	FL	NORTH END	630317F	NC	WARREN	NORLINA	DIVISION ST	4	
SA	115	FL	NORTH END	630204A	NC	WARREN	NORLINA	-		
AK	329	FL	ORANGEBURG	633034T	SC	SUMTER	SUMTER	HWY 444	3	
AK	332	FL	ORANGEBURG	633128U	SC	SUMTER	SUMTER	S MAGNOLIA ST	1	
AK	341	FL	ORANGEBURG	633150G	SC	SUMTER	PINEWOOD	AVINS RD	1	130
AK	342	FL	ORANGEBURG	633152V	SC	SUMTER	PINEWOOD	KOLB RD	1	130
AK	343	FL	ORANGEBURG	633154J	SC	SUMTER	PINEWOOD	CODY RD	1	130
AK	344	FL	ORANGEBURG	633155R	SC	SUMTER	PINEWOOD	PANOLA RD	1	130
AK	346	FL	ORANGEBURG	632256Y	SC	SUMTER	PINEWOOD	CLAFFIN RD	1	
AK	346	FL	ORANGEBURG	632250H	SC	SUMTER	PINEWOOD	5TH STREET	1	130
AK	348	FL	ORANGEBURG	632260N	SC	CLARENDON	PINEWOOD	BACON HILL RD	1	130
AK	350	FL	ORANGEBURG	632261V	SC	CLARENDON	PINEWOOD	COUNTY LINE RD	1	130
AK	356	FL	ORANGEBURG	632265X	SC	CALHOUN	CAMERON	BLIND POND RD	1	130
AK	357	FL	ORANGEBURG	632268T	SC	CALHOUN	CAMERON	L 402	1	130
AK	358	FL	ORANGEBURG	632269A	SC	CALHOUN	CAMERON	SWEET GUM ALLEY		130
AK	363	FL	ORANGEBURG	632279F	SC	CALHOUN	CAMERON	HWY S 9 27	1	130
AK	365	FL	ORANGEBURG	632282N	SC	CALHOUN	CAMERON	HWY S 9 127	1	130
AK	366	FL	ORANGEBURG	632285J	SC	CALHOUN	CAMERON	L 250	1	130
AK	366	FL	ORANGEBURG	632286R	SC	CALHOUN	CAMERON	OAK ST	1	130
AK	366	FL	ORANGEBURG	632287X	SC	CALHOUN	CAMERON	1ST ST	1	130
AK	368	FL	ORANGEBURG	632292U	SC	ORANGEBURG	CAMERON	WHISPER WOOD RD	1	130
AK	368	FL	ORANGEBURG	632291M	SC	ORANGEBURG	CAMERON	GABRIELLE RD	1	130
AK	369	FL	ORANGEBURG	632293B	SC	ORANGEBURG	CAMERON	SHULMER RD	1	130
AK	370	FL	ORANGEBURG	632294H	SC	ORANGEBURG	CAMERON	EAST ORANGE RD	1	130
AK	370	FL	ORANGEBURG	632295P	SC	ORANGEBURG	CAMERON	TILL RD	1	130
AK	371	FL	ORANGEBURG	632296W	SC	ORANGEBURG	CAMERON	HOLBROOK ST	1	130
AK	371	FL	ORANGEBURG	632298K	SC	ORANGEBURG	ORANGEBURG	GLENZELL RD		
AK	372	FL	ORANGEBURG	632301R	SC	ORANGEBURG	ORANGEBURG	CHAMPY RD	1	130
AK	376	FL	ORANGEBURG	632322J	SC	ORANGEBURG	ORANGEBURG	ROWE ST	1	

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AK	380	FL	ORANGEBURG	632328A	SC	ORANGEBURG	ORANGEBURG	MIXON MILL RD	1	130
AK	381	FL	ORANGEBURG	632332P	SC	ORANGEBURG	CORDOVA	MACK RD	1	130
AK	382	FL	ORANGEBURG	632334D	SC	ORANGEBURG	CORDOVA	OPIE RD	1	130
AK	382	FL	ORANGEBURG	632335K	SC	ORANGEBURG	CORDOVA	HWY S 38 1305	1	130
AK	385	FL	ORANGEBURG	632340G	SC	ORANGEBURG	COPE	RYN ST	1	130
AK	386	FL	ORANGEBURG	632342V	SC	ORANGEBURG	COPE	WHISENHUNT RD	1	130
AK	387	FL	ORANGEBURG	632345R	SC	ORANGEBURG	COPE	SECOND ST	1	
AK	387	FL	ORANGEBURG	632344J	SC	ORANGEBURG	ORANGEBURG	SLAB LANDING	1	
AK	388	FL	ORANGEBURG	632347E	SC	ORANGEBURG	ORANGEBURG	COPE RD	3	
A	258	FL	SOUTH END	629624H	SC	DILLON	HAMER	S 17514	1	
A	264	FL	SOUTH END	628981G	SC	DILLON	DILLON	CR	1	
A	266	FL	SOUTH END	628986R	SC	DILLON	DILLON	CD		
A	275	FL	SOUTH END	628988K	SC	MARION	SELLERS	CR	1	130
A	277	FL	SOUTH END	629002F	SC	MARION	PEEDEE	CR	1	
A	279	FL	SOUTH END	629005B	SC	MARION	PEEDEE	PEEDEE SCHOOL RD	1	
A	280	FL	SOUTH END	640451U	SC	MARION	PEEDEE	HASSIE ROAD	1	
AK	531	FL	SPARTANBURG	634023J	SC	GREENWOOD	GREENWOOD	WINGERT RD	1	200
AK	31	FL	SPARTANBURG	634024R	SC	GREENWOOD	GREENWOOD	SPRINGFIELD CH RD	1	
AK	534	FL	SPARTANBURG	634028T	SC	GREENWOOD	GREENWOOD	AULD ST	1	
AK	37	FL	SPARTANBURG	634034W	SC	LAURENS	WATERLOO	SHRINER S CLUB	1	200
AK	541	FL	SPARTANBURG	634036K	SC	LAURENS	WATERLOO	LAUREL HILL CH RD	1	
AK	542	FL	SPARTANBURG	634037S	SC	LAURENS	WATERLOO	RIVERFORK RD	1	
AK	543	FL	SPARTANBURG	634043V	SC	LAURENS	WATERLOO	COYOTE DR	1	
AK	544	FL	SPARTANBURG	634045J	SC	LAURENS	WATERLOO	MILLAM HEIGHTS	1	200
AK	545	FL	SPARTANBURG	634047X	SC	LAURENS	WATERLOO	CEDAR GROVE CH RD	1	200
AK	547	FL	SPARTANBURG	639978R	SC	LAURENS	WATERLOO	???	1	200
AK	550	FL	SPARTANBURG	634053B	SC	LAURENS	LAURENS	ROCKY SPRINGS CH	1	200
AK	551	FL	SPARTANBURG	634055P	SC	LAURENS	LAURENS	LC DRIVE	1	200
AK	552	FL	SPARTANBURG	634059S	SC	LAURENS	LAURENS	SATTERWHITE	1	200
AK	555	FL	SPARTANBURG	634070S	SC	LAURENS	LAURENS	RIVERSIDE	1	
AK	557	FL	SPARTANBURG	634079D	SC	LAURENS	LAURENS	SIRRINE STREET	1	200
AK	559	FL	SPARTANBURG	908524Y	SC	LAURENS	ORA	???		100
AK	562	FL	SPARTANBURG	640398K	SC	LAURENS	ORA	COUNTY	1	
AK	562	FL	SPARTANBURG	634096U	SC	LAURENS	LAURENS	BRANCH DRIVE	1	
AK	570	FL	SPARTANBURG	634119Y	SC	SPARTANBURG	WOODRUFF	KILGORE BRIDGE RD	1	
AK	577	FL	SPARTANBURG	634150K	SC	SPARTANBURG	WOODRUFF	SIMMONS RD	1	
AK	587	FL	SPARTANBURG	634166G	SC	SPARTANBURG	ROEBUCK	SUNSET DR	1	
AK	590	FL	SPARTANBURG	640820T	SC	SPARTANBURG	SPARTANBURG	SIMS CHAPEL RD	1	200
AK	591	FL	SPARTANBURG	640922G	SC	SPARTANBURG	SPARTANBURG	NORTH ST	1	
AND	702	JX	THOMASVILLE	627847S	GA	THOMAS	METCALF	MONROE ST	3	
ACA	202	FL	W AND W	629029P	NC	SAMPSON	CLINTON	MORISEY ST	3	
ACA	202	FL	W AND W	629028H	NC	SAMPSON	CLINTON	E STILL ST	3	
ACA	202	FL	W AND W	629030J	NC	SAMPSON	CLINTON	JOHN-RAILROAD ST	3	
AC	243	FL	WILMINGTON	628735W	NC	NEW HANOVER	WILMINGTON	COWAN ST	1	
SEA	311	FL	WILMINGTON	631530G	NC	ROBESON	WILMINGTON	BROAD ST	1	
SEA	311	FL	WILMINGTON	631531N	NC	ROBESON	ST PAULS	ARMFIELD ST	1	

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Purchasing and Materials
P O Box 45054
Jacksonville FL 32232 5054

PMC 0001277

May 8 2002

Mr Paul DeAngelo
DeAngelo Brothers Inc
100 N Conahan Drive
Hazleton, PA 18201

Dear Mr DeAngelo

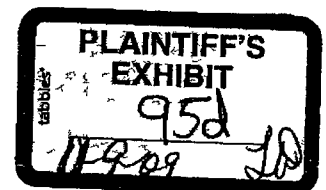
Attached, please find copy of executed Service Contract Form between CSX Transportation and DeAngelo Brothers Inc covering "Tree and Vegetation Clearing and Control at Highway-Rail Grade Crossings"

If you have any questions you can reach me at 904 359 1561

Sincerely

Patrick L. Powell, C P M
Sr Procurement Manager MRO/Services

CC Steve Ramsey
Mike McMaster
Frank Lonegro
Cindy Craig-Johnson



CONFIDENTIAL

CX710019

ROA - 1468

CSX TRANSPORTATION, INC
Service Contract Form

This Service Contract (hereinafter Contract) dated and effective May 1 2002 is between (Contractor) **DeAngelo Brothers, Inc**, a Pennsylvania Corporation with offices located at 100 N Conahan Drive Hazleton PA 18201 and **CSX Transportation, Inc** ("CSXT") a Virginia corporation whose principle offices are located at 500 Water Street Jacksonville Florida 32202

WITNESSETH

WHEREAS CSXT wishes to purchase certain services from Contractor and

WHEREAS Contractor is willing to provide such services to CSXT

NOW, THEREFORE, for and in consideration of good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged the parties hereto agree as follows

1 Term The term of this Contract is for a period of one (1) year beginning May 1 2002 and ending April 30 2003 during which time Contractor shall complete the Services

2 Services The work hereinafter Services' to be performed by the Contractor under this Contract is as follows **Tree and Vegetation Clearing and Control at Highway Rail Grade Crossings per General Specifications and Crossing Clearing Requirements attached as Exhibit A and hereby made part of this Agreement (the "Specifications")**

A To perform the Services described in Exhibit B at the Rates listed thereon in accordance with the terms hereof and the Specifications attached thereto Contractor warrants that the Services shall be performed at a standard at or higher than the industry standard for similar services

B To submit invoices with any reports as further described herein to
Mike McMaster
CSX Transportation
4901 Belfort Rd , Suite 130
Jacksonville, FL 32256

C To perform all Services in a safe and workmanlike manner and use only quality materials that meet or exceed the industry standard and are fit for the purpose intended More specifically Contractor agrees to furnish at its expense all relevant expertise and all necessary items including without limitation trucks cranes machines clearing equipment labor supplies tools materials ordinary safety items and protective clothing and equipment for proper and safe performance of its Services

D To comply in all respects with the applicable federal state and local laws codes rules regulations and decisions of any legislative administrative or judicial body exercising any power or jurisdiction over any Services described in this Contract including but not limited to

- (1) Fair Labor Standards Act,
- (2) Social Security Laws
- (3) Workers Compensation Laws
- (4) The Occupational Safety and Health Act of 1970
- (5) The Federal Insecticide Fungicide and Rodenticide Act (7 USC ss 136 136y) and similar state and local laws
- (6) All applicable federal state or local laws regarding drug and/or alcohol testing
- (7) All applicable federal state and local One-Call and Call Before You Dig

- laws and
(8) All applicable federal state and local environmental park preservation tree endangered species and beautification laws

3 Volume Contractor understands that CSXT does not guarantee the volume of Services that CSXT may purchase from Contractor. However, CSXT estimates that the following volume of Services will be purchased from Contractor during the Term: Approximately 4,132 Crossings in the states set forth on Exhibit A.

4 Non Disclosure All information including but not limited to this Agreement's any documents attached hereto or delivered in accordance herewith or therewith, financial statements, crossing documents, data and business records which is disclosed or delivered to Contractor or which Contractor observes or comes into contact with during the term of this Contract or the rendition of the Services to CSXT, whether generated by CSXT or a customer or contractor of CSXT, shall be deemed 'Confidential Information' and the sole and exclusive property of CSXT. Contractor shall take all reasonable measures to maintain the confidentiality of said Confidential Information by its employees, agents, representatives and counters. Contractor shall not use the Confidential Information for any purposes other than to perform its obligations hereunder and shall not disclose any Confidential Information to any third party without the prior written consent of CSXT. Contractor acknowledges that all right, title and interest in and to said Confidential Information, including the right to produce, extract or exhibit to any third party and any intellectual property rights, exist in CSXT only. Contractor shall return such Confidential Information promptly upon the expiration or termination of this Contract.

It is understood that the confidentiality provisions contained herein shall not apply to any information Contractor can demonstrate by written evidence:

- (a) was at the time of disclosure by CSXT or thereafter (but prior to disclosure by Contractor) becomes, through no act or failure to act on the part of Contractor, part of the public domain or
- (b) was at the time of disclosure by CSXT in Contractor's possession and was not acquired directly or indirectly from CSXT.

Contractor expressly agrees that CSXT shall be entitled to injunctive and/or other equitable relief in any court of competent jurisdiction to prevent or otherwise restrain a breach of this section of this Contract, provided that the foregoing shall not preclude CSXT from seeking any and all damages suffered as a result of any unauthorized disclosure by Contractor.

5 Default, Termination

A. If CSXT makes a determination that Contractor is not in compliance with the provisions of this Contract, it shall notify Contractor in writing and specify such deficiencies. If Contractor has not corrected such deficiencies to CSXT's reasonable satisfaction within ten (10) days of the date of CSXT's notice, CSXT may immediately cancel the Contract. Upon termination of this Contract in accordance with this subparagraph 5A, CSXT shall be entitled to: (i) a full refund for all Services for which CSXT has paid but which Contractor failed to perform or performed incorrectly; (ii) reimbursement for all damages caused by Contractor's default, including but not limited to any costs incurred by CSXT in acquiring replacement Services if the cost of the replacement Services is in excess of what CSXT would have paid Contractor for those Services in accordance with this Contract; and (iii) any and all other remedies to which CSXT is entitled in law or equity.

Contractor acknowledges that CSXT intends to have a third party be the project inspector with respect to the Services and that such project inspector will review Contractor's work for compliance with the Specifications. Notwithstanding such review, Contractor's liability for breach hereof or under the indemnities set forth herein shall not be affected by the project inspector's determination that the Services were performed in accordance

with the Specification if, in fact such Services were not performed in accordance with the Specification of the terms of this Contract

B If Contractor makes a determination that CSXT is not in compliance with the provisions of this Contract it shall notify CSXT in writing and specify such deficiencies. If CSXT has not corrected such deficiencies within thirty (30) days of the date of Contractor's notice Contractor may cancel the Contract on thirty (30) days notice. Contractor's sole remedy upon termination in accordance with this subparagraph 5B shall be payment for any Services actually rendered by Contractor through the date of termination.

C CSXT may terminate this Contract on 30 days prior written notice to Contractor without penalty and for any or no reason including, without limitation diminished demand for the Services capital constraints and/or Contractor's inability to maintain competitive pricing, quality or quantity of Services.

D If during the Term of this Contract the ownership of Contractor changes or if Contractor is purchased or merges with another company CSXT shall have the right to immediately terminate this Contract.

E Upon termination by CSXT Contractor shall immediately discontinue all work, thereafter doing only such work as may be necessary to preserve and protect work already in progress.

F Termination hereunder shall discharge all executory obligations of the parties but shall not affect any right based on a prior breach of performance of this Contract nor affect any right or obligation which is intended to survive such termination.

6 Invoices and Taxes All invoices shall be submitted by Contractor upon completion of the Services on a particular CSXT railroad subdivision in accordance with Exhibit A. Contractor agrees to recognize the statutory exemptions and direct payment permits listed in the "Schedule of CSXT's Sales and Use Tax Exemption and Direct Pay Permits (Schedule)" where appropriate in lieu of otherwise applicable sales and use tax. A copy of the Schedule is attached as Exhibit B and hereby incorporated into this Contract.

C Additional Remedy for Failure to Comply Notwithstanding any contrary provision hereof and in addition to any other remedy provided herein in the event that Contractor fails during the term hereof to comply and continue its compliance with the provisions of this Section CSXT may in its sole and absolute discretion thereafter immediately deny or revoke access to CSXT's premises The parties agree that Contractor's breach of this Section shall control over any provision of this Contract relating to the ability to cure a breach of this Contract or relating to dispute resolution Irrespective of whether any work is required on CSXT's premises Contractor shall procure and maintain at its expense adequate insurance to cover its risk of loss associated with the Services Evidence of such coverage will be furnished to CSXT upon request

9 Intellectual Property Rights Contractor acknowledges that all trademarks copyrights patents and other intellectual property rights produced as a result of the Services performed for CSXT hereunder shall be owned by CSXT Contractor acknowledges that it has no rights in and to such intellectual property and will execute any and all necessary assignments requested by CSXT to so evidence the forgoing allocation of ownership Further Contractor agrees to cooperate with CSXT in the filing and prosecution of any intellectual property applications or registrations necessary for CSXT to perfect its intellectual property rights

10 Waiver The failure by CSXT to enforce any provision of this Contract shall not be construed as a waiver of that provision

11 Inability to Perform If Contractor is unable to perform its Services for any reason CSXT may upon twenty four (24) hours written notice substitute another party to perform those Services Contractor agrees to reimburse CSXT for the expense of having another party performing those Services if CSXT must pay more than the amount that would have been paid to Contractor

12 Labor Matters

A If Contractor shall at any time fail to perform the Services herein required or if Contractor interferes with CSXT's operations because of a strike picketing or a work stoppage by Contractor's or its subcontractor's employees or a dispute between a union and the Contractor or its subcontractor CSXT, after twenty-four (24) hour oral notice to the Contractor, may either employ a substitute or terminate its agreement with Contractor Further the Contractor shall be liable for and promptly pay to CSXT any additional expense incurred by CSXT in employing such substitute or terminating the Contract

B Nothing contained in this Contract should require either party to perform any service or take any action which would violate any term or condition of any CSXT or Conrail labor agreements If however it is subsequently determined by a court or arbitrator that CSXT or Conrail is required to utilize CSXT or Conrail employees to provide a function which Contractor was to provide under this Contract Contractor agrees that CSXT or Conrail employees shall perform the function and to reimburse CSXT for the cost of such labor up to a maximum of the amount Contractor actually saved as a result of utilization of a CSXT or Conrail employee to provide the function which Contractor was to provide

13 Force Majeure Fires floods strikes lockouts epidemics accidents war riots earthquake government warnings (and reasonable responses thereto) flood shortages of transportation or any Act of God or other cause beyond the reasonable control of the parties which prevents Contractor or CSXT from performing its obligations under this Contract, shall operate to suspend the parties obligations affected by the force majeure condition during the period required to remove such cause or causes subject however to CSXT's right of cancellation as stated above The party claiming the benefits of this provision must use due diligence to remove any such causes and resume performance under this Contract as soon as possible Suspension of this Contract does not affect the right to payment for Services delivered prior to the suspension or the right to delivery of the Services paid for prior to the suspension or a refund of amounts prepaid for which Services were not delivered

14 Nondiscrimination/Diversity CSXT's corporate policies provide for equal opportunities in employment without regard to race color religion sex age or national origin and CSXT is committed to employing and advancing qualified disabled veterans handicapped persons and Vietnam era veterans CSXT further complies with the requirements placed on government contractors and subcontractors by Executive Order 11246 Section 402 of the Vietnam Era Veterans Readjustment Assistance Act of 1974 and Section 503 of the Rehabilitation Act of 1973 With regard to providing the Services as provided herein Contractor shall likewise comply with those Executive Orders statutes rules and regulations as applicable

15 Prohibition on Improper Influences Contractor represents that it has not and will not exchange any gift rebate influence or other compensation (excluding nominal business entertainment or gifts) with any official employee representative or agent of CSXT or any of its parent affiliate or subsidiary companies Contractor further represents that none of its officials or employees is employed by CSXT or any of its parent affiliate or subsidiary companies Contractor agrees to immediately notify CSXT if Contractor becomes aware of changes in the foregoing representations Contractor understands that CSXT has the right to rely upon the foregoing representations and that failure to honor these representations may result in a default of this Contract

16 Insolvency In the event Contractor shall file a voluntary petition in bankruptcy or a petition in bankruptcy shall be filed against Contractor or Contractor shall make an assignment for the benefit of its creditors or Contractor shall apply for relief in any form as a debtor under any statute of the United States or laws or regulations of any other governmental authority or any other proceeding under any statute of the United States or laws or regulations of any other governmental authority seeking the relief or readjustment of Contractor's indebtedness shall be commenced then CSXT shall have the right to immediately cancel this Contract or so much of it as has not been completed

17 Severability Any provision of this Contract which is determined to be invalid or unenforceable will be ineffective to the extent of such determination without invalidating the remaining provisions of this Contract

18 Complete Contract This Contract and each Appendix constitute the complete agreement of the parties relating to the matters specified in this Contract and supersede all prior and contemporaneous representations or agreements with respect to such matters No oral modifications or waiver of any of the provisions of this Contract shall be binding on either party

19 Assignment, Successor and Assigns CSXT may assign its rights under this Contract to any parent subsidiary or other affiliate Any assignment of this Contract by Contractor by operation or law or otherwise or any interest herein or any payment due or to become due hereunder without the reasonable prior written consent of CSXT shall be void However this Contract shall be binding upon and inure to the benefit of CSXT Contractor and their respective permitted successors and assigns

20 Governing Law This Contract shall be governed by and interpreted in accordance with the laws of the State of Florida

- 21 Waste Materials and Spillage, Application of Herbicides, Hazardous Material
- (a) Any waste materials generated during performance of the Services shall be handled in accordance with federal state and local laws rules and regulations and shall not be stored on CSXT property In the event of leakage or spillage of any hazardous wastes hazardous substances hazardous materials or herbicides as a result of Contractor's performance of the Services Contractor shall immediately notify CSXT and, at Contractor's sole expense promptly clean CSXT's property (and any adjacent or nearby property to which such leakage or spillage may have spread) to the satisfaction of CSXT and any governmental agency having jurisdiction over the leakage or spillage Should the leakage or spillage result in a fine penalty cost or charge being incurred by CSXT Contractor shall promptly and fully reimburse and indemnify CSXT pursuant to Section 7 hereof
 - (b) Contractor shall apply all herbicides in compliance with the manufacturer's specifications and labeling and with all applicable federal state and local laws rules and regulations including but not limited to the Federal Insecticide Fungicide and Rodenticide Act (7 USC ss 136-136y) and similar state and local laws
 - (c) In addition, other hazardous materials utilized by the Contractor shall comply with and shall be handled and/or used in compliance with all federal state and local laws and regulations then in effect and will further comply with any special requirements set forth herein and in the Exhibits hereto

22 Arbitration Any controversy or claim arising out of or relating to this Contract or the breach thereof shall be settled through binding arbitration in accordance with the Commercial Arbitration Rules of the American Arbitration Association and judgment on the award rendered by the arbitrator(s) may be entered in any court of competent jurisdiction Exclusive venue for such arbitration shall be Jacksonville Florida

23 Independent Contractor Contractor acknowledges that it is an independent contractor and that CSXT has no control over or ownership interest in any of the Contractor's facilities that will be utilized in supplying Services to CSXT hereunder

24 Records Retention and Audit Rights Contractor agrees to keep full accurate and complete books of account and records in sufficient detail in accordance with generally accepted accounting practices In addition Contractor shall maintain records demonstrating that each application of any herbicide has been made in compliance with the manufacturer's specifications and labeling and with all applicable federal state and local laws rules and regulations including but not limited to the Federal

Insecticide Fungicide and Rodenticide Act (7 USC ss 136-136y) and similar state and local laws. Such records shall include the product name, amount applied, approximate date of application, location of application and other information appropriate to demonstrate such compliance (Herbicide Compliance Documents). Contractor will retain and not purge any records required to be maintained hereunder for a period of three (3) years after termination of this agreement, provided that Contractor will, promptly upon termination of this Agreement, provide copies of all Herbicide Compliance Documents to CSXT. CSXT will have the right to audit all of Contractor's records which relate directly or indirectly to Contractor's relations with CSXT as contemplated by this Contract. The audit will take place at Contractor's place of business and the timing of such audit will be mutually agreed upon. Contractor will not be unreasonable in granting timely access to CSXT. CSXT will have access without cost, to all accounting, operational and administrative information of Contractor as well as the Herbicide Compliance Documents and will have access to those who control, produce or are responsible for the information. The records contemplated by but not limited to this Contract are: EDI records with CSXT, invoicing, receipts from CSXT, disbursements documents, payroll, payee listings, expense reports and other related support documents and the Herbicide Compliance Documents. During the audit, CSXT shall have the right to copy information it considers appropriate using Contractor's resources and CSXT will be responsible to reimburse Contractor for direct cost of these copies. During the audit, Contractor shall also make available to CSXT those persons responsible for the creation and maintenance of said records. The payment by CSXT of any invoice sent to CSXT by Contractor in accordance with terms of this Contract shall not preclude CSXT from questioning the correctness of said invoice at any time and shall not be deemed to be an acceptance of the Services as being in compliance herewith.

25 Notices All notices and Certificates of Insurance shall be mailed to the following addresses:

A To CSXT

(2) All Notices pertaining to this Contract
 Patrick L. Powell
 CSX Transportation
 500 Water Street J430
 Jacksonville, FL 32202
 (904) 359 1561 / Fax (904) 359-3571

B To Contractor

 Paul DeAngelo
 DeAngelo Brothers, Inc.
 100 N. Conahan Drive
 Hazleton, PA 18201
 (800) 360-9333 / Fax (570) 459-5500

or such other address as any party thereof shall indicate by writing as herein provided.

C Notices shall be deemed to be given on the date received or the date that receipt of such notice is rejected or refused.

26 Abandonment Contractor acknowledges that CSXT and its rail affiliates have the right to seek abandonment of, or a discontinuance of service over their trackage. If the trackage serving the location at which the Services are to be performed is abandoned or if service is discontinued over that trackage, this

Contract will be canceled as of the implementation date of the abandonment or discontinuance as to such trackage

27 Interpretation It is possible that the scope of this Contract may overlap with the scope of other contracts or agreements between the parties. In that event, the documents will be read, to the extent possible as being compatible with each other and not in contradiction, with the more specific language controlling.

28 Total Fee The Rates in Exhibit B represent the full cost to CSXT as all other overhead costs and expenses such as sick benefits, vacations, pensions, etc. are the sole responsibility of Contractor.

29 Priority of Documents In the event of any conflict between any documents exchanged between the parties, the following order of priority shall control: (i) the Specification; (ii) this Contract; (iii) any Appendix (other than the Specification); (iv) any other document incorporated herein by reference; (v) CSXT's purchase order; and (vi) Contractor's invoice.

IN WITNESS WHEREOF, this Contract has been executed by the authorized officials of both parties on the dates shown below:

Date 5/1/02

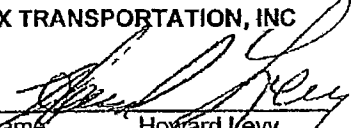
DeANGELO BROTHERS, INC

By 

Name Paul D. DeAngelo
Title President

Date 5/2/02

CSX TRANSPORTATION, INC

By 

Name Howard Levy
Title Senior Vice President
Purchasing & Materials

Exhibit A

GENERAL SPECIFICATIONS

Clearing and Control of Trees and Vegetation at Highway-Rail Grade Crossings

- 1 It is the intent of this program to clear and control trees and other vegetation on CSXT property at those highway-rail grade crossings covered by the program
- 2 Contractor shall be responsible for clearing and controlling trees and other vegetation in accordance with the program's specifications at all crossings designated by CSXT. Except in instances where state law requires that greater amounts of trees and/or vegetation be cleared at highway-rail grade crossings (in which case CSXT will endeavor to provide the applicable state law requirements relating to trees and vegetation clearing at crossings to Contractor), Contractor will be required to clear and control trees, brush, weeds and other vegetation on CSXT property at designated highway-rail grade crossings in accordance with the following specifications: Contractor shall be required to clear the entire width of the Railroad right-of-way for a distance (in each direction from the edge of the traveled roadway) parallel to the track of (a) three hundred feet (300'), where the Maximum Authorized Track Speed (per timetable) is 30 mph or less, (b) six hundred feet (600') where the Maximum Authorized Track Speed (per timetable) is 30 to 60 mph, and (c) nine hundred feet (900') where the Maximum Authorized Track Speed (per timetable) is 60 to 90 mph. Trees and other vegetation overhanging the right-of-way will be cleared to a height of fifteen feet (15') above the top of the rail. CSXT will provide to Contractor relevant information regarding the location of each crossing to be cleared, the Maximum Authorized Track Speed (per timetable), and the right-of-way width.
- 3 Trees and other vegetation will be treated with an approved herbicide that complies with all applicable federal, state and local laws, rules and regulations, including but not limited to, the Federal Insecticide, Fungicide and Rodenticide Act (7 USC ss. 136-136y), and similar state and local laws. Contractor is accountable for compliance with such applicable laws and shall obtain all necessary permits, registrations and licenses for handling, applying and disposing of said herbicides. Contractor shall furnish the herbicides and other necessary chemicals. Contractor shall also submit for approval a proposed plan relating to the timing of herbicide application.
- 4 Contractor's herbicide program must achieve 90% clearing and control of weeds, brush, and trees, and promote the growth of desirable grasses with the long-term goal of establishing grasses that will aid in the clearing and control of undesirable trees and other vegetation. Desirable vegetation must not exceed a height of eighteen (18) inches. All broad leaf weeds, woody plants, and Johnson grass must be cleared,

controlled or eliminated over the term of the contract, and any other grasses that obstruct visibility within the area to be cleared must be cleared and/or controlled

- 5 The herbicide program should include the following within the areas to be cleared per Specifications
 - a In connection with and at the time of the initial clearing, Contractor shall treat woody species and cut stumps three inches (3") in diameter and greater, to prevent regrowth, along with Johnson grass and other tall grasses with appropriate herbicides,
 - b Contractor shall clear and control trees, brush, weeds, and other vegetation, including those within inaccessible areas or areas difficult to reach with the equipment being utilized (i.e., signs, buildings, poles, etc.), with appropriate herbicides, and
 - c Herbicide must be applied around signal facilities where appropriate to maintain bare ground control
- 6 Contractor shall be responsible for any damages to Railroad or adjacent properties, public or private, occurring during or as a result of Contractor's performance of its work under the contract. Contractor shall, solely at its expense, restore, repair, replace, and maintain all property, regardless of ownership, which is damaged or altered during or as a result of the performance by Contractor of its work under the contract
- 7 Work under this contract involves operations on the Railroad's active right-of-way, and Contractor shall be required to coordinate its activities with the activities of the Railroad as well as others not party to the Contract. Contractor shall comply with all applicable FRA and Railroad operating and safety rules. All Contractor employees must be CSXT Safety Certified and On Track Worker Certified before coming on Railroad property. Contractor must also comply with CSXT Safe Way manual. If flagmen are required to ensure the safety of Railroad operations, the Railroad will bear the cost of the flagmen. If subcontractors are used, Contractor shall submit the names thereof for Railroad's prior approval. Notwithstanding such approval, Contractor is responsible for any subcontractor's compliance with all aspects of the contract and for their acts and omissions
- 8 Contractor shall be paid on a per Subdivision basis as follows
 - a Crossing Clearing Invoices for work performed in connection with clearing crossings to specifications will be approved only after a site inspection takes place at all designated crossings within a Subdivision to ensure compliance with the specifications and quality. If the work at one or more crossings is not satisfactory upon inspection, payment will not be approved for that portion of the work until

necessary corrections are made, with the cost of re-inspection charged to Contractor, provided however, they will not exceed the actual invoice costs charged to the CSXT for such re inspections. Absent unusual circumstances, deficiencies must be corrected within two (2) weeks. Inspections on a per Subdivision basis will be commenced within three (3) days after Contractor notifies CSXT and the project inspector that the work within such Subdivision has been completed by Contractor. Re-inspections will be commenced within ten (10) days after Contractor notifies CSXT and the project inspector that the prior work has been corrected by Contractor.

- b. Herbicide Program. Invoices for work performed in connection with the herbicide program will be approved only upon submittal of a detailed spray log showing weather conditions, herbicide product applied, spray mixture, method of applications, rate of application and total gallons used.
9. At the outset of the program, Contractor shall submit for approval a proposed schedule for the work, including target deadlines for completion of each Subdivision, number of crews and crew members, equipment, etc. A weekly report will be submitted to update progress. If progress falls behind schedule, appropriate adjustments will be made to accelerate the pace of work (including increasing the number of crews). If Contractor fails to make adjustments to Railroad's satisfaction, Railroad reserves the right to pursue various or alternative means to satisfy the schedule, including the hiring of other contractors with the associated cost to be deducted from Contractor's invoices.

CROSSING CLEARING REQUIREMENTS

- A Trees brush, grass and all other vegetation shall be cleared so as to leave no stump, stubble, or debris taller than four inches (4 ") above ground level All cut stumps three inches (3") in diameter and greater shall be treated with approved herbicide with blue coloring at time the crossing is cleared Entire cleared area shall be treated with approved herbicide to promote growth of desirable short grasses and shall be applied in accordance with the manufacturers specifications, labeling and applicable law This treatment shall be performed at an agreed time, based on factors including growing season and weather, in accordance with paragraph 5 Entire cleared area must be sprayed before trees and other vegetation reaches three feet (3') in height We will accept the following methods to kill stumps remove stump, grind stump to four inches (4") below ground, or preferably treat stump with Pathfinder and blue dye
- B Contractor shall use its professional judgment as to what types of equipment will best accomplish the work or service, provided that Contractor's equipment must be in good working condition, including free from leaks Railroad is not responsible for equipment failure, and Railroad will not pay for equipment downtime Railroad will not be responsible for (i) damage to, (ii) vandalism of ,or (iii) theft of Contractor's equipment
- C Contractor will work progressively with no break in work and provide planned start and finish dates within bid proposal In addition to weekly progress reports, a bimonthly conference call to review status and progress will be scheduled for attendance by field supervisors and Contractor s management
- D All cleared trees brush and vegetation shall be removed from the Railroad tracks (to a distance of at least twelve feet (12 ") from the end of the ties), from drainage ditches, from drainage structures, or from any other location where the trees, brush or vegetation may create a potential operating hazard
- E Subject to the provisions of Paragraph D above, tree and vegetation residue may be handled on the right of-way, within the specified cleared areas, in such a manner that residue may not exceed four inches (4") in diameter and six feet (6') in length Any branches, treetops or brush left on Railroad property must be crushed, spread flat, and laid evenly such that debris does not exceed four inches (4") above ground level Also, subject to the provisions of Paragraph D herein and outside the limits of any cities, towns, or other municipalities, tree and vegetation residue exceeding the above specifications may be handled on the right of way outside the specified cleared areas, in such a manner that
- 1 Residue must not be visible from any highway-rail grade crossing
 - 2 Trees must be de-limbed and laid flat
 - 3 Trees and brush must not be stacked

- 4 Residue must not exceed twenty-four inches (24 ") above ground level unless in the form of a single stem (log)
- 5 Residue must not be placed within five hundred feet (500') of any residential structure
- 6 Residue must not be placed in wetlands or environmentally sensitive areas
- 7 Placement of tree and vegetation residue shall be to the satisfaction of the railroad

- F Contractor shall provide and be represented by qualified field personnel at all times for the supervision and operation of the equipment
- G Prior to commencing any work, Contractor shall furnish evidence of Contractor's having secured the necessary insurance coverages and the necessary permits and licenses for performing work from proper Governmental authorities Contractor shall comply with all Local, State, and Federal laws, rules and regulations pertaining to removal and disposal of brush and trees and herbicidal applications Contractor will be solely responsible for any citations or fines imposed as a result of Contractor's violation of any such Local State, or Federal law, rule or regulation
- H Contractor will be required to comply with the local requirements, ordinances or regulations of the various Cities, Towns, and Villages that exist within the crossing clearing limits Contractor will be solely responsible for any citations or fines imposed as a result of Contractor's violation of any such local requirements, ordinances, or regulations

CX710032

600' X width of r/w Spray \$242

900' X width of r/w Cut \$5665

900' X width of r/w Spray \$283

Louisiana

300' X width of r/w Cut \$2163

300' X width of r/w Spray \$242

600' X width of r/w Cut \$4120

600' X width of r/w Spray \$242

900' X width of r/w Cut \$6051

900' X width of r/w Spray \$283

Mississippi

300' X width of r/w Cut \$1494

300' X width of r/w Spray \$242

600' X width of r/w Cut \$2987

600' X width of r/w Spray \$242

900' X width of r/w Cut \$4506

900' X width of r/w Spray \$283

North Carolina

300' X width of r/w Cut \$1545

300' X width of r/w Spray \$193

600' X width of r/w Cut \$2019

600' X width of r/w Spray \$193

900' X width of r/w Cut \$2698

900' X width of r/w Spray \$227

South Carolina

300' X width of r/w Cut \$2807

300' X width of r/w Spray \$242

600' X width of r/w Cut \$4172

600' X width of r/w Spray \$242

900' X width of r/w Cut \$6154

900' X width of r/w Spray \$283

Tennessee

300' X width of r/w Cut \$2819

300' X width of r/w Spray \$242

600' X width of r/w Cut \$4188

600' X width of r/w Spray \$242

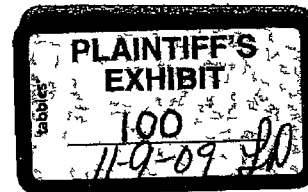
900' X width of r/w Cut \$7854

From Goedde Kelly
Sent Friday, January 09, 2004 8:37 AM
To Bill Patterson (E mail); Wayne Hug (E mail)
Cc McMaster Mike, Powell Buddy
Subject Completing Southern Xings

Per Mike's instruction and based on your estimate of a couple months to finish, I am notifying you that CSX agrees to grant DeAngelo Brothers a date of March 15 to finish the items under your control for the Xing clearing contracts in SC. If not completed by March 15th, work in Northeast will be suspended and crews re-directed to finish South. Completed contracts means Xings are in spec and all punchlist items are corrected.

Kelly J. Goedde

CSX Engineering
4901 Belfort Rd Suite 130
Jacksonville, FL 32256
904 245 1332



February 27, 2004

Mike McMaster
CSX Transportation
4901 Belfort Road
Jacksonville, FL 32256

Dear Mr. McMaster

I wanted to respond in writing to address several issues we discussed during our meeting at your office on February 23, 2004

First of all, we currently have fifteen (15) mechanical crews working on correcting crossings that were deemed non compliant in the southeast. We are adding two (2) additional crews on 3/1/04. Please review the schedules we enclosed with this letter to see the exact locations of each crew and our targeted completion dates for each deficient crossing still remaining.

Of the 3,391 crossings awarded to DeAngelo Brothers, Inc. over the past nineteen (19) months, over 94% will have been safely and successfully cleared by 3/15/04. Our current schedule shows us having approximately 170 deficient crossings left to correct by 3/15/04.

As we discussed earlier this week, DeAngelo Brothers, Inc. is 100% committed to correcting these deficient crossings as soon as possible and we have committed all our available resources in an attempt to meet our 3/15/04 deadline and we will continue to add resources when possible.

At this time we are confident the southeast will be completely finished by 4/30/04 at latest with the exception of a handful of unresolved landowner issues which we are working with you to remedy.

When we met, you stated that DeAngelo Brothers, Inc. has consistently missed deadlines on the clearing contract. I agree with that statement in regards to work in the southeast,

As we discussed several times, our remaining deficiencies in the southeast were a direct result of the initial contract being awarded during our peak season (May) and the emphasis we put on production. More emphasis was placed on producing a high number of completed crossings thus in our attempt to meet deadlines, our quality suffered. Additionally, over the past 18 months, several rainfall records have been set in many eastern states.

Over the past eight months we have taken heed to the lessons we learned in the southeast and made adjustments in our quality assurance and follow up practices that have proven to greatly reduce the

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ROA - 1484

number of non compliant crossings after initial inspections. Those same processes will be applied to the cutting contract and they are outlined as follows

- Every crossing will be inspected by a DeAngelo Brothers, Inc. Supervisor or Manager before it is submitted for inspection
- When Subcontractors are utilized, no single Subcontractor will be awarded more than 100 crossings
- One DeAngelo Brothers, Inc. Supervisor will be committed solely for QA/QC purposes and spend 100% of his/her time inspecting results and advising crews on quality issues

These changes have enabled us to identify deficiencies while crews are still in the immediate area and quickly correct punch list items before submitting subdivisions to HDR Engineering for inspections. Additionally, if we identify that a crew is unable to meet all the requirements, by limiting the amount of work assigned to that crew it is easier for us to find a replacement crew to complete all remaining work on schedule

Before we can begin deploying regional mechanical crews, we must have a signed contract and your commitment not to shut down these crews if our March 15, 2004 deadline in the southeast is not met

We understand that we have missed deadlines in the southeast and due to that fact we are willing to amend our current contract cutting contract to assess liquidated damages if future deadlines are missed (I have enclosed sample addendums for your review). These types of penalties are common practice in our industry and we see no reason why this approach would not be considered more favorable to CSX.

Should you decide to accept our recommendations, CSX stands to gain the following

- Minimum \$25,000 in liquidated damages
- Potentially, additional revenue if the number of crossings requiring physical work after 3/15/04 exceeds the total value of the \$25,000.00 minimum penalty
- Maintain the lowest cost for cutting services that you were able to establish in the recent bid process

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CX247545

Note

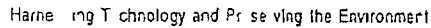
Liquidated Damages will only apply to crossings that DeAngelo Brothers, Inc. is solely responsible for having missed deadlines. Any crossings not completed by deadline due to unresolved issues with property owners or municipalities will not be charged liquidated damages because CSXT has the responsibility to resolve all those issues before DBI crews can clear the crossings in question.

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CX247548

ROA - 1486



Remit Payments To
Corporate Office
100 N. Conahan Dr
Hazleton PA 18201
(570) 459 1112 Fax (570) 459 0321

CSX Transportation
Mike McMaster
4901 Belfort RD
Suite 130
Jacksonville FL 32256

Invoice Number	302-11846
Invoice Date	6/8/2004
Customer ID	CSX - JACKSONVI
Customer PO	1 1/2% 10 NET 30
Payment Terms	NET 30

WHITE Customer Copy YELLOW Return with your payment PINK Office Copy

CSX42723

S a e	Sub Division	MP	DOT #	First App Date	Category	Price
	COLUMBIA	413 49	634782T	5/21/2004	C	\$842 00
	COLUMBIA	414 15	634785N	5/21/2004	C	\$842 00
	COLUMBIA	415 84	634786V	5/21/2004	C	\$842 00
	COLUMBIA	377 92	634709V	5/21/2004	C	\$842.00
	COLUMBIA	419 81	634794M	5/3/2004	C	\$842 00
	COLUMBIA	436 11	634827X	4/26/2004	C	\$842 00
	COLUMBIA	460 01	634878H	5/21/2004	C	\$842 00
	COLUMBIA	432 53	634816K	5/21/2004	C	\$842 00
	COLUMBIA	417 3	634789R	5/4/2004	C	\$842 00
	COLUMBIA	430 5	634814W	5/21/2004	C	\$842 00
	COLUMBIA	430 3	634811B	5/21/2004	C	\$842 00
	COLUMBIA	438 3	634808T	5/21/2004	C	\$842 00
	COLUMBIA	426 46	634806E	5/21/2004	C	\$842 00
	COLUMBIA	422 09	634801V	5/21/2004	C	\$842 00
	COLUMBIA	454 16	634867V	4/27/2004	C	\$842 00
	COLUMBIA	419 52	634795U	5/4/2004	C	\$842 00
	COLUMBIA	418 77	634793F	5/4/2004	C	\$842 00
	COLUMBIA	433 31	634817S	5/21/2004	C	\$842 00
	COLUMBIA	445 95	634843G	4/27/2004	C	\$842 00
	COLUMBIA	446 75	634845V	4/27/2004	C	\$842 00
	COLUMBIA	451 04	633971L	4/27/2004	C	\$842 00
	COLUMBIA	436 63	634830F	4/26/2004	C	\$842 00
	COLUMBIA	405 22	634766J	5/21/2004	C	\$842 00
	COLUMBIA	423 72	634803J	5/21/2004	C	\$842 00
Category C Totals						\$32 838 00
Sub Division Total=						\$41,268 00
	CRESTON	379 38	632086G	5/4/2004	A	\$281 00
	CRESTON	368 02	632053U	5/1/2004	A	\$281 00
	CRESTON	364 11	632042G	5/3/2004	A	\$281 00
	CRESTON	380 64	632089C	5/4/2004	A	\$281 00
	CRESTON	385 88	632098B	5/3/2004	A	\$281 00

Thursday, June 03, 2004

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CSX42742

ROA - 1488



Earning Technology and Preserving the Environment

Invoice

P permit Payments To
Corporate Office
100 N. Conahan Dr
Hazlet PA 18201
(570) 459 1112 Fax (570) 459 0321

BILLING ADDRESS
CSX Transportation
Mike McMaster
4901 Belfort RD
Suite 130
Jacksonville FL 32256

Phone (904) 245 1086 Ext 0000

Invoice Number 302-11420
Invoice Date 11/5/2003
Customer ID CSX - JACKSONVI
Customer PO
Payment Terms 20b 15/Net30

REFERENCE NO	DATE	DESCRIPTION	UNIT PRICE	AMOUNT
		CSX South Carolina October Crossing Clearing Invoice		
		6 - 350' Crossings Cleared @ \$2,669 00 = \$16 014 00		\$433,814 00
		20 - 650' Crossings Cleared @ \$4 618 00 = \$92 360 00		
		60 - 950 Crossings Cleared @ \$5 424 00 = \$325 440 00		
		Retention Withheld		\$0 00
		Retention Due		\$0 00
		Subtotal		\$433 814 00
		Misc		\$0 00
		Tax		\$0 00
		FEDERAL ID # 23 232783		
TERMS: NET 30 DAYS A Service Charge of 1% Per Month is Charged on Past Due Accounts (Annual Rate 18%)			TOTAL	\$433 814 00

WHITE Customer Copy YELLOW Return with your payment PINK Office Copy

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CSX42172

1

Supervisor

1

Page 1 of 1

ROA - 1490
CSX42173



Dates _____
Crew Foreman Buck H. |
Supervisor Jim Castaldi

DeAngelo Brothers Inc 100 North Conahan Drive Hazleton PA 18201

CSX 44502



WENT about 29 cars

-HTL- *A1

QYU000087QYU

04/15112231

CROSS Park and stop SIGN
TRAIN LISTING AND HAZARDOUS MATERIAL DESCRIPTIONS PAGE: 001

TRAIN# F75730 CR TRN#

ORIG: A 496 TIME 05301122 CONSIST# 425594

CARS IN THIS CONSIST COUNT FROM FRONT TO REAR

===== BLOCK SUMMARY =====

ENG

SUBTOT L E	MERCHAN L E	PIGFLAT L F	COAL L E	PERISH L E	AUTORAK L E	BLOCK TONS	BLOCK LENGTH
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CAR NUMBER	CAR TYPE	COMMODITY STCC	CODE ALPHA	DESTINATION	CONSIGNEE	NP	YZCN
1 RBOX	30235 L B314	4024115	SCPAPER	RINCON	GA GEOPACIFI	S	4823109
2 RBOX	30853 L B314	4024115	SCPAPER	RINCON	GA GEOPACIFI	S	4823109
3 CEFX	16471 L C113	1421210	LSTONE	RINCON	GA ORDAVANTI	S	4823109
4 CEFX	16514 L C113	1421210	LSTONE	RINCON	GA ORDAVANTI	S	4823109
5 CEFX	16478 L C113	1421210	LSTONE	RINCON	GA ORDAVANTI	S	4823109
6 CEFX	16439 L C113	1421210	LSTONE	RINCON	GA ORDAVANTI	S	4823109
7 CEFX	15332 L C113	1421210	LSTONE	RINCON	GA ORDAVANTI	S	4823109
8 CEFX	16441 L C113	1421210	LSTONE	RINCON	GA ORDAVANTI	S	4823109
9 CEFX	16475 L C113	1421210	LSTONE	RINCON	GA ORDAVANTI	S	4823109
10 CEFX	17303 L C113	1421210	LSTONE	RINCON	GA ORDAVANTI	S	4823109
11 CEFX	17511 L C113	1421210	LSTONE	RINCON	GA ORDAVANTI	S	4823109
12 CEFX	16507 L C113	1421210	LSTONE	RINCON	GA ORDAVANTI	S	4823109
13 BM	3372 L A432	2611135	WOODPLP	RINCON	GA GEOPACIFI	S	4823109
14 BM	3374 L A432	2611135	WOODPLP	RINCON	GA GEOPACIFI	S	4823109
15 BM	3355 L A432	2611135	WOODPLP	RINCON	GA GEOPACIFI	S	4823109
16 RBOX	20166 L B314	4024115	SCPAPER	RINCON	GA GEOPACIFI	S	4823109

===== BLOCK SUMMARY =====

RINC RINCON UNIT COAL

SUBTOT L E	MERCHAN L E	PIGFLAT L E	COAL L E	PERISH L E	AUTORAK L E	BLOCK TONS	BLOCK LENGTH
16	16					1,859	928

17 CRGX	8233 E T107	2092110	EMPTY	ESTILL	SC AGT	S	4503135
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===== BLOCK SUMMARY =====

ESTI ESTILL

SUBTOT L C	MERCHAN L E	PIGFLAT L E	COAL L E	PERISH L E	AUTORAK L E	BLOCK TONS	BLOCK LENGTH
1	1					37	59

18 JTLX	900074 E F473	2411152	EMPTY	PROSPERITSC	GEOPACIFI	C	363651
19 CSXT	600565 E F983	2421184	EMPTY	PROSPERITSC	GEOPACIFI	C	363651
20 SMPX	8127 E E730	3312468	EMPTY	OWEN	SC SMI	S	3600201

===== BLOCK SUMMARY =====

ROA - 1492

COL	COLUMBIA	SUBTOT	MERCHAN	PICFLAT	COAL	PERISH	AUTORAK	BLOCK	BLOCK
L	E	L	E	L	E	L	E	TONS	LENGTH
3		3						104	219

=====

21 TTGX 912876 L V971 4111835 USEQVH DIXIANA SC GENMOTORS S 3600A00

===== B L O C K S U M M A R Y =====

COLA	COLUMBIA AUTOS	SUBTOT	MERCHAN	PICFLAT	COAL	PERISH	AUTORAK	BLOCK	BLOCK
L	E	L	E	L	E	L	E	TONS	LENGTH
1							1	72	94

=====

22	CSXT	490792	E	E730	9999999	EMPTY	OWEN	SC	SMIOWESTE	S	3600201
23	CSXT	137100	L	A305	2631117	PULPBRD	IRMO	SC	STOCONTAI	C	103611
24	CSXT	491065	E	EB30	3312468	EMPTY	OWEN	SC	SMIOWESTE	S	3600201
25	CSXT	140282	E	A405	2611135	EMPTY	EASTOVER	SC	INTPAPER	AKA3533332	
26	GVSX	783068	E	A403	2432144	EMPTY	PROSPERITSC	GEOPACIFI	C	363653	
27	CSXT	140267	E	A405	2611135	EMPTY	SUMTER	SC	INTPAPER	AK	3320129
28	ATW	81038	E	A406	2611135	EMPTY	SUMTER	SC	INTPAPER	AK	3320129
29	CSXT	137351	L	A305	2631117	PULPBRD	IRMO	SC	STOCONTAI	C	103611
30	MB	5058	L	B314	2631117	PULPBRD	IPMO	SC	STOCONTAI	C	103611
31	ASAB	7037	L	B414	2631117	PULPBRD	IRMO	SC	STOCONTAI	C	103611
32	CIRR	91130	L	A402	2631117	PULPBRD	IRMO	SC	STOCONTAI	C	103611
33	GPSX	5336	E	K240	2411580	EMPTY	PROSPERITSC	GEOPACIFI	C	363653	
34	RMGX	7055	E	K247	2411580	EMPTY	PROSPERITSC	GEOPACIFI	C	363653	
35	GPSX	558	E	E500	2411580	EMPTY	PROSPERITSC	GEOPACIFI	C	363653	
36	FPBX	3	L	F373	2411411	PULPWD	EASTOVER	SC	INTPAPER	AKA3533332	
37	CSXT	434048	E	K247	2411515	EMPTY	PROSPERITSC	GEOPACIFI	C	363653	

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===== B L O C K S U M M A R Y =====

COL	COLUMBIA	SUBTOT	MERCHAN	PICFLAT	COAL	PERISH	AUTORAK	BLOCK	BLOCK
L	E	L	E	L	E	L	E	TONS	LENGTH
6	10	6	10					975	1,003

=====

38 TTGX 985364 L V978 3711120 AUTOS DIXIANA SC GENMOTORS S 3600A00

===== B L O C K S U M M A R Y =====

COLA	COLUMBIA AUTOS	SUBTOT	MERCHAN	PICFLAT	COAL	PERISH	AUTORAK	BLOCK	BLOCK
L	E	L	E	L	E	L	E	TONS	LENGTH
1							1	72	94

=====

39 CSXT 127748 E A402 9999999 EMPTY EASTOVER SC INTPAPER AKA3533332

40 UTLX 600329 L T104 4935240 4935240 SUMTER SC PHITECH AK 3320128

***** 0000001 TC//0198800 LB//SODIUM HYDROXIDE SOLUTION

* HAZMAT * //8//UN1824//PG II//RQ (SODIUM HYDROXIDE)//HAZMAT

***** STCC=4935240

U S A EMERGENCY CONTACT 8004249300

FROM SHIPPER: VULCAN CHEMICALS

SHIP ADDRESS:

GEISMAR LA

TO CONSIGNEE PHIBRO TECH INC
 CONS ADDRESS HWY 15 SOUTH
 SUMTER SC 29150

41	GPSX	4255	E	K247	2411580	EMPTY	PROSPERITSC	GEOPACIFI	C	363653
42	GPSX	4209	E	K247	2411580	EMPTY	PROSPERITSC	GEOPACIFI	C	363653
43	GPSX	5337	E	K240	2411580	EMPTY	PROSPERITSC	GEOPACIFI	C	363653
44	CSXT	491462	E	E730	3566944	EMPTY	OWEN	SC	SMIOWESTE	S
45	ATW	120134	L	A605	2621115	PAPER	COLUMBIA	SC	STARECORD	S
46	CSXT	432158	E	K247	2411515	EMPTY	PROSPERITSC	GEOPACIFI	C	363653
47	SLC	1059	E	A402	2631117	EMPTY	CASTOVER	SC	INTPAPER	AKA3533332
48	AN	5726	E	A402	2611135	EMPTY	CASTOVER	SC	INTPAPER	AKA3533332

===== B L O C K S U M M A R Y =====

COL COLUMBIA

SUBTOT	MERCHAN	PICFLAT	COAL	PERISH	AUTORAK	BLOCK	BLOCK
L E	L E	L E	L E	L E	L E	TONS	LENGTH
2	8	2	8			536	626

49	TTGX	991467	L	V971	4111835	USEDVEH	DIXIANA	SC	GENMOTORS	S	3600A00
50	TTGX	990657	L	V971	4111835	USEDVEH	DIXIANA	SC	GENMOTORS	S	3600A00
51	TTGX	964612	L	V971	4111835	USEDVEH	DIXIANA	SC	GENMOTORS	S	3600A00
52	CN	710902	L	V971	4111835	USEDVEH	DIXIANA	SC	GENMOTORS	S	3600A00

===== B L O C K S U M M A R Y =====

COLA COLUMBIA AUTOS

SUBTOT	MERCHAN	PICFLAT	COAL	PERISH	AUTORAK	BLOCK	BLOCK
L E	L E	L E	L E	L E	L E	TONS	LENGTH
4					4	309	376

53	CSXT	490840	E	E730	3312468	EMPTY	OWEN	SC	SMIOWESTE	S	3600201
54	NOKL	360073	E	E735	9999999	EMPTY	OWEN	SC	SMIOWESTE	S	3600201
55	CSXT	139354	E	A405	2611135	EMPTY	SUMTER	SC	INTPAPER	AK	3320129
56	SP	248395	E	A403	2432144	EMPTY	PROSPERITSC	GEOPACIFI	C	363653	
57	RMGX	7070	E	K247	2411580	EMPTY	PROSPERITSC	GEOPACIFI	C	363653	
58	CSXT	140053	E	A405	2611135	EMPTY	EASTOVER	SC	INTPAPER	AKA3533332	
59	BN	320112	E	A405	2611135	EMPTY	SUMTER	SC	INTPAPER	AK	3320129
60	CSXT	136391	E	A405	2611135	EMPTY	PONTIAC	SC	CARCCRAMI	S	3443411
61	SP	230165	E	A402	2611135	EMPTY	SUMTER	SC	INTPAPER	AK	3320129
62	SMIX	6578	L	E730	4021125	SCRIRON	CAYCE	SC	SMISTESOU	S	3600201

===== B L O C K S U M M A R Y =====

COL COLUMBIA

SUBTOT	MERCHAN	PICFLAT	COAL	PERISH	AUTORAK	BLOCK	BLOCK
L E	L E	L E	L E	L E	L E	TONS	LENGTH
1	9	1	9			453	631

63	TTGX	997308	L	V978	4111835	USEDVEH	DIXIANA	SC	GENMOTORS	S	3600A00
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===== B L O C K S U M M A R Y =====

COLA COLUMBIA AUTOS

SUBTOT	MERCHAN	PICFLAT	COAL	PERISH	AUTORAK	BLOCK	BLOCK
L E	L E	L E	L E	L E	L E	TONS	LENGTH
1					1	70	94

64	CSXT	253938	L	D113	3274110	LIME	CAYCE	SC	SMISTESDU	S	3600201
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65	SMIX	6518	E	E730	3312468	EMPTY	OWEN	SC SMI	S	8410208
66	CSXT	260409	L	C113	2871250	SPHOS	CAHERON	SC ROYCLARY	AK	3661440
67	MB	5085	L	B314	2631117	PULPBRD	IRMO	SC STOCONTAI	C	103611
68	DAR	3466	L	A403	2631117	PULPBRD	IRMO	SC STOCONTAI	C	103611
69	CIRR	13070	L	A602	2631117	PULPBRD	IRMO	SC STOCONTAI	C	103611
70	DAR	3412	L	A403	2631117	PULPBRD	IRMO	SC STOCONTAI	C	103611
71	CIRR	94000	L	B614	2631117	PULPBRD	IRMO	SC STOCONTAI	C	103611
72	SBD	490745	E	E730	3312528	EMPTY	OWEN	SC SMIDWESTE	S	3600201

===== B L O C K S U M M A R Y =====

COL COLUMBIA

SUBTOT	MERCHAN	PIGFLAT	COAL	PERISH	AUTORAK	BLOCK	BLOCK
L E	L E	L E	L E	L E	L E	TONS	LENGTH
7	2	7	2			926	567

73	CN	712108	L	V971	4111835	USEDVEH	DIXIANA	SC GENMOTORS	S	3600A00
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===== B L O C K S U M M A R Y =====

COLA COLUMBIA AUTOS

SUBTOT	MERCHAN	PIGFLAT	COAL	PERISH	AUTORAK	BLOCK	BLOCK
L E	L E	L E	L E	L E	L E	TONS	LENGTH
1					1	67	94

74 CSXT 16637 M M930

===== B L O C K S U M M A R Y =====

COL COLUMBIA

SUBTOT	MERCHAN	PIGFLAT	COAL	PERISH	AUTORAK	BLOCK	BLOCK
L E	L E	L E	L E	L E	L E	TONS	LENGTH
1		1				20	

GRAND

TOTAL	MERCHAN	PIGFLAT	COAL	PERISH	AUTORAK	TOTAL	TOTAL	TOTAL
L E	L E	L E	L E	L E	L E	TONS	LENGTH	AXLE
41	33	33	33		8	5,500	4 785	296

PULL AT S 373 ERIN SC CUSTOMER: S 373 3227 DIAMOND PET FOODS

CAR NUMBER	CAR TYPE	COMMODITY CODE STCC	ALPHA	DESTINATION	CONSIGNEE	MP	YZCN
SSW 70687	E C313	2044110	EMPTY	MCGEEHEE	AR AGENTRAIL	LMPUP	
HS 1640	C C113	2061930	EMPTY	SAGINAW	MI AGENTHES	CSASGV	
GVSR 525809	E C313	2044110	EMPTY	MCGEEHEE	AR AGENTRAIL	LMPUP	

===== B L O C K S U M M A R Y =====

UNKN UNKNOWN

SUBTOT	MERCHAN	PIGFLAT	COAL	PERISH	AUTORAK	BLOCK	BLOCK
L E	L E	L E	L E	L E	L E	TONS	LENGTH
3		3				98	169

932351

GRAND

TOTAL		MERCHAN		PIGFLAT		COAL		PERISH		AUTORAK		TOTAL	TOTAL	TOTAL
L	E	L	E	L	E	L	E	L	E	L	E	TONS	LENGTH	AXLC
	3		3									98	169	308

-FOT-0236LINES- QYU#000087 CICS063 -DATE 04/05/30-TIME 112231

HTL- *A1

QYU000088QYU

04/1511231

HAZARDOUS SPECIAL HANDLING INSTRUCTIONS

=====

IN CASE OF ACCIDENT PROVIDE THIS LIST TO RESPONSE TEAM

TRAIN# F75730 CR TRN# ORIG S 373 TIME 05301122 CONSIST# 425594

EMERGENCY HANDLING PRECAUTIONS

HAZARDOUS COMMODITY 4935240
UTLX 600329 CAR 040 FROM ENGINE
SODIUM HYDROXIDE SOLUTION 4935240
CLASS 8 (CORROSIVE MATERIAL) UN1824

ENVIRONMENTALLY HAZARDOUS SUBSTANCE

SODIUM HYDROXIDE IS A DARK COLORED THICK LIQUID IT IS SOLUBLE IN WATER,
AND WEIGHS MORE THAN WATER CONTACT WITH THE MATERIAL MAY CAUSE SEVERE
IRRITATION TO SKIN EYES, AND MUCOUS MEMBRANES IT MAY BE TOXIC BY
INGESTION IT IS CORROSIVE TO METALS AND TISSUE IT WEIGHS 13 LBS /GAL

IF MATERIAL ON FIRE OR INVOLVED IN FIRE SOLID STREAMS OF WATER MAY BE
INEFFECTIVE EXTINGUISH FIRE USING AGENT SUITABLE FOR TYPE OF
SURROUNDING FIRE (MATERIAL ITSELF DOES NOT BURN OR BURNS WITH
DIFFICULTY) USE WATER IN FLOODING QUANTITIES AS FOG APPLY WATER FROM
AS FAR A DISTANCE AS POSSIBLE.

IF MATERIAL NOT ON FIRE AND NOT INVOLVED IN FIRE KEEP MATERIAL OUT OF
WATER SOURCES AND SEWERS BUILD DIKES TO CONTAIN FLOW AS NECESSARY

PERSONNEL PROTECTION: AVOID BREATHING VAPORS OR DUSTS AVOID BODILY
CONTACT WITH THE MATERIAL WEAR APPROPRIATE CHEMICAL PROTECTIVE GLOVES
BOOTS AND GOGGLES DO NOT HANDLE BROKEN PACKAGES UNLESS WEARING
APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT WASH AWAY ANY MATERIAL WHICH
MAY HAVE CONTACTED THE BODY WITH COPIOUS AMOUNTS OF WATER OR SOAP AND
WATER IF CONTACT WITH THE MATERIAL ANTICIPATED, WEAR APPROPRIATE
CHEMICAL PROTECTIVE CLOTHING

ENVIRONMENTAL CONSIDERATIONS - LAND SPILL DIG A PIT, POND, LAGOON, HOLDING
AREA TO CONTAIN LIQUID OR SOLID MATERIAL DIKE SURFACE FLOW USING
SOIL SAND BAGS, FOAMED POLYURETHANE, OR FOAMED CONCRETE ABSORB BULK
LIQUID WITH FLY ASH OR CEMENT POWDER NEUTRALIZE WITH VINEGAR OR OTHER
DILUTE ACID

ENVIRONMENTAL CONSIDERATIONS - WATER SPILL: NEUTRALIZE WITH DILUTE ACID

ENVIRONMENTAL CONSIDERATIONS - AIR SPILL APPLY WATER SPRAY OR MIST TO
KNOCK DOWN VAPORS

FIRST AID RESPONSES MOVE VICTIM TO FRESH AIR CALL EMERGENCY MEDICAL CARE
REMOVE AND ISOLATE CONTAMINATED CLOTHING AND SHOES AT THE SITE IN CASE
OF CONTACT WITH MATERIAL, IMMEDIATELY FLUSH SKIN OR EYES WITH RUNNING

ROA - 1497

003 03

CSX42513

WATER FOR AT LEAST 15 MINUTES KEEP VICTIM QUIET AND MAINTAIN NORMAL
BODY TEMPERATURE

-LOT-0059LINES- QYU#000088 CICS063 -DATE 04/05/30-TIME 112231

000 54

ROA - 1498

CSX42514

Honeyford Road 4122
1905 HRS
MAY 10 1954

1127451
112317
+ Dodge
TODD VAN
(Left-8010)
MOVING WAT
46 BPH

CW44AC
TESTED 5-15-04 COBURN, KY
61 CARS
(251+328)
4200 feet
3500 tons

YOU MUST COPY
ORIGINAL FOR

Michael G. Stephens 379449 was running
LATEST GENERAL BULLETIN ISSUED GENERAL BULLETIN
001 - DISPATCHER MESSAGE NUMBER 14147

ALL MAXIMUM AUTHORIZED SPEEDS PERMANENT AND TEMPORARY TRUCK SPEED
RESTRICTIONS OVER 30 MPH WILL BE REDUCED BY 10 MPH FOR FREIGHT TRAINS AND WILL
NOT BE REDUCED BELOW 30 MPH FOR HEAT WARNING AND PASSENGER TRAINS WILL BE REDUCED BY
30 MPH AND WILL NOT BE REDUCED BELOW 40 MPH FOR THE HEAT WARNING BETWEEN 1300
AND 1900 HOURS

Departed - 2120

02 DISPATCHER MESSAGE NUMBER 14704
DO NOT SWITCH PAST H & S BRUP (ESTILL)
01 LINE(S)

001 - DISPATCHER MESSAGE NUMBER 14204
DO NOT EXCEED THE FOLLOWING SPEEDS ON
MAIN TRACK 30/25 MPH BETWEEN A 497 3 AND A 499 6 STATION-YFS 05/10/10
N) 2 TRACK 30/20 MPH BETWEEN A 505 7 AND A 505 9 STATION-YFS 04 15/11

002 DISPATCHER MESSAGE NUMBER 14029
BETWEEN A 490 4 AND A 500 0 ALL MAXIMUM AUTHORIZED SPEED PERMANENT
AND TEMPORARY TRACK SPEED RESTRICTIONS OVER 30 MPH ARE REDUCED BY 10 MPH
FOR FREIGHT TRAINS AND WILL NOT BE REDUCED BELOW 30 MPH FOR THE HEAT WARNING
AND PASSENGER TRAINS WILL BE REDUCED BY 30 MPH AND WILL NOT BE REDUCED BELOW 40 MPH
FOR THE HEAT WARNING BETWEEN 1300 AND 1900 HOURS
05 LINE(S)

000155

ספרון מיליון מיליון מיליון מיליון
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 START OF TRAIN DOCUMENTS

CSXT TRAIN DOCUMENTATION

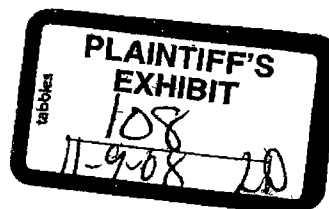
THIS DOCUMENT IS REQUIRED BEFORE DEPARTURE FROM ALL ORIGINATING TERMINALS

TONNAGE GRAPH
 =====

TRAIN# F75730 CR TRN# ORIG A 496 TIME 05301122 CONSIST# 425594

C = SHIPMENT GOVERNED BY CLEARANCE BUREAU INSTRUCTION
 R = POTENTIAL RESTRICTED EQUIPMENT - SEE "RESTRICTED AND SPECIAL HANDLING
 LIST" REFERENCE TIME TABLES, OPERATING RULES AND MECHANICAL INSTRUCTIONS
 FOR HANDLING IN YOUR TRAIN
 L = LONG CAR
 S = SHORT CAR
 * = EMPTY TOFC CAR

PLATE SIZE-----+ * = 4 TONS																	
CAR TYPE-----+ H = 4 TONS HAZ MAT																	
LOAD/EMPTY-----+																	
RES	TRN	CAR	LCP	UNNA	TONS										EST	TRN	A
---	KEY	POS	NUMBER	ETS	NUMB	20	40	60	80	100	120	140	TONS	LGTH	X		
			1-RBOX	30235	LBC	*****							87	56	4		
			2-RBOX	30853	LBC	*****							179	112	4		
R	9040		3-CEFX	16471	LCC	*****	*****						306	171	4		
R	9040		4-CEFX	16514	LCC	*****	*****						431	230	4		
R	9040		5-CEFX	16478	LCC	*****	*****						557	289	4		
R	9040		6-CEFX	16439	LCC	*****	*****						683	348	4		
R	9040		7-CEFX	15332	LCB	*****	*****						813	408	4		
R	9040		8-CEFX	16441	LCC	*****	*****						939	467	4		
R	9040		9-CEFX	16475	LCC	*****	*****						1067	526	4		
R	9040		10-CEFX	17303	LCB	*****	*****						1194	586	4		
R	9040		11-CEFX	17511	LCB	*****	*****						1324	646	4		
P	9040		12-CEFX	16507	LCC	*****	*****						1452	705	4		
			13-BM	3372	LAC	*****	***						1562	761	4		
			14-BM	3374	LAC	*****	***						1671	817	4		
			15-BM	3355	LAC	*****	***						1780	873	4		
			16-RBOX	20166	LBB	*****							1859	928	4		
			17-CRGX	8233	ETC	*****							1896	987	4		
			18-JTLX	900074	EFG	*****							1927	1056	4		
			19-CSXT	600565	EFC	*****							1961	1136	4		
			20-SMPX	8127	EEB	*****							2000	1206	4		
RL	9050		21-TTGX	912876	LVG	*****							2072	1300	4		
			22-CSXT	490792	EEC	*****							2108	1372	4		
			23-CSXT	137100	LAC	*****							2198	1427	4		
			24-CSXT	491065	EEB	*****							2235	1498	4		
			25-CSXT	140282	EAC	*****							2270	1556	4		



RESTRICTION KEYS *****-**-*****

9040 = RE RULE 4453 HIGH CUBE CAR
9050 = LONG CAR
9200 = SEE RE RULE 4471 HANDLING
RESTRICTIONS DUE TO SHIFTABLE
COMMODITY
9250 = HAZARDOUS-SEE HAZ MATERIAL DESCRIPTION
9230 = RE RULE 4462- LOADED AUTO RACK MUST NOT
BE PLACED IN TRAIN DIRECTLY BEHIND OPEN
TOP CARS LOADED WITH SAND GRAVEL, COAL
OR SIMILAR COMMODITY
0126 = SEE RE RULE 4473 HANDLING RESTRICTIONS

ENGINEER IS TO BE PROVIDED WITH TONNAGE GRAPH OR A LEGIBLE COPY OF THE
TONNAGE GRAPH THE UNNA NUMBER COLUMN CAN BE USED TO REFERENCE THE
PRODUCT NAME OF THE HAZARDOUS MATERIAL IN THE EMERGENCY RESPONSE GUIDEBOOK

-TRH- *A1 A64000001A64 CTP425594 06/23162318
 W3 F75730 A 496 S 362 05301122 05301122 425594
 0 BLOCK ENG
 0 LIST SPL HAZ GRAPH
 W5 F75730 A 496 S 482 05301122 05301300
 0 BLOCK RINC RINCON UNIT COAL
 1RBOX 30235LB314056SCPAPER S 482RINCON GAGEOPACIFISKL A SSSC21 RINC
 1RBOX 30853LB314061SCPAPER S 482RINCON GAGEOPACIFISKL B SSSC21 RINC
 1CEFX 16471LC113097LSTONE S 482RINCON GAOROAVANTISKL Q BMCC21 RINC
 8 CONTAMINATED 072001 LSTONE RESTRICTED LOADING G
 8 LOADED HI-CUBE COVERED HOPPER G
 1CEFX 16514LC113095LSTONE S 482RINCON GAOROAVANTISKL R BMCC21 RINC
 8 CONTAMINATED 042202 LSTONE RESTRICTED LOADING G
 8 LOADED HI-CUBE COVERED HOPPER G
 1CEFX 16478LC113095LSTONE S 482RINCON GAOROAVANTISKL Q BMCC21 RINC
 8 CONTAMINATED 072001 LSTONE RESTRICTED LOADING G
 8 LOADED HI-CUBE COVERED HOPPER G
 1CEFX 16439LC113095LSTONE S 482RINCON GAOROAVANTISKL Q BMCC21 RINC
 8 CONTAMINATED 080701 LSTONE RESTRICTED LOADING G
 8 LOADED HI-CUBE COVERED HOPPER G
 1CEFX 15332LC113099LSTONE S 482RINCON GAOROAVANTISKL Q BMCC21 RINC
 8 CONTAMINATED 042100 LSTONE RESTRICTED LOADING G
 8 LOADED HI-CUBE COVERED HOPPER G
 1CEFX 16441LC113095LSTONE S 482RINCON GAOROAVANTISKL Q BMCC21 RINC
 8 CONTAMINATED 080401 LSTONE RESTRICTED LOADING G
 8 LOADED HI-CUBE COVERED HOPPER G
 1CEFX 16475LC113097LSTONE S 482RINCON GAOROAVANTISKL Q BMCC21 RINC
 8 CONTAMINATED 070901 LSTONE RESTRICTED LOADING G
 8 LOADED HI-CUBE COVERED HOPPER G
 1CEFX 17303LC113097LSTONE S 482RINCON GAOROAVANTISKL Q BMCC21 RINC
 8 CONTAMINATED 053002 LSTONE RESTRICTED LOADING G
 8 LOADED HI-CUBE COVERED HOPPER G
 1CEFX 17511LC113099LSTONE S 482RINCON CAOROAVANTISKL Q BMCC21 RINC
 8 CONTAMINATED 053002 LSTONE RESTRICTED LOADING G
 8 LOADED HI-CUBE COVERED HOPPER G
 1CEFX 16507LC113097LSTONE S 482RINCON GAOROAVANTISKL Q BMCC21 RINC
 8 CONTAMINATED 072101 LSTONE RESTRICTED LOADING G
 8 LOADED HI-CUBE COVERED HOPPER G
 1BM 33721A432079WOODPLP S 482RINCON GAGEOPACIFISKL A QBAC21 RINC
 1BM 33741A432078WOODPLP S 482RINCON GAGEOPACIFISKL QBAC21 RINC
 1BM 33551A432078WOODPLP S 482RINCON GAGEOPACIFISKL B QBAC21 RINC
 1RBOX 20166LB314048SCPAPEP S 482RINCON CAGEOPACIFISKL A SSSC21 RINC
 W5 F75730 A 496 S 450 05301122 05301300
 0 BLOCK ESTI ESTILL
 1CRGX 8233ET107000 S 450ESTILL SCAGT SKL UGMC15 ESTI
 W5 F75730 A 496 S 362 05301122 05301300
 0 BLOCK COL COLUMBIA
 1JTLX900074EF473000 C 36PROSPERITSCGEOPACIFIFCN U AMKCOL COL
 4JTLX900074 CAR DIVERTED ON CSXT ED05240276 AWS
 4JTLX900074 CAR DIVERTED AT MANCHESTEGA AWS
 1CSXT600565EF383000 C 36PROSPERITSCGEOPACIFIFCN A JSTCOL COL
 1SMPX 8127E730000 S 363OWEN SCSMI SCO B TWICOL COL
 0 BLOCK COLA COLUMBIA AUTOS
 1TTGX912876LV971013USEDVZH S 366DIYIANA SCGENMOTORSSCO TYOCOLA COLA
 8 EXTREME HEIGHT 1900 G
 0 BLOCK COL COLUMBIA

1CSXT490792EE730000	S	363OWEN	SCSMIOWESTESCO	B	XWXC	COL
1CSXT137100LA305059PULPBRD	C	10IRMO	SCSTOCONTAIFCN	A	SBDC	COL
1CSXT491065EE830000	S	363OWEN	SCSMIOWESTESCO	A	XWXC	COL
1CSXT140282EA405000		AKA353EASTOVER	SCINTPAPER	FSI	SSAC	COL
1GVS783068EA403000	C	36PROSPERITSCGEOPACIFIFCN		A	SSAC	COL
1CSXT140267EA405000	AK	332SUMTER	SCINTPAPER	FSU	SSAC	COL
1ATW 81038EA406000	AK	332SUMTER	SCINTPAPER	FSU	SSAC	COL
1CSXT137351LA305076PULPBRD	C	10IRMO	SCSTOCONTAIFCN	B	XDOC	COL
IMB 5058LB314075PULPBRD	C	10IRMO	SCSTOCONTAIFCN	C	XDOC	COL
1ASAB 7037LB414078PULPBRD	C	10IRMO	SCSTOCONTAIFCN	C	YDOC	COL
1CIRR 91130LA402074PULPBRD	C	10IRMO	SCSTOCONTAIFCN	C	XDOC	COL
1GPSX 5336EK240000	C	36PROSPERITSCGEOPACIFIFCN			XWXC	COL
1RMGX 7055EK247000	C	36PROSPERITSCGEOPACIFIFCN			XWXC	COL
1GPSX 558EE500000	C	36PROSPERITSCGEOPACIFIFCN		A	XWXC	COL
1FPBX 3LF373060PULPWD	AKA353EASTOVER	SCINTPAPER	FSI		XTAC	COL
1CSXT434048EK247000	C	36PROSPERITSCGEOPACIFIFCN			SPHC	COL
0 BLOCK COLA COLUMBIA AUTOS						
1TTGX985364LV978020AUTOS	S	366DIXIANA	SCGENMOTORSSCO		MNMC	COLA
8 EXTREME HEIGHT 1900				G		
0 BLOCK COL COLUMBIA						
1CSXT127748EA402000		AKA353EASTOVER	SCINTPAPER	FSI	A	XWXC
1UTLX600329LT1040994935240DAK	332SUMTER	SCPHITECH	FSU		MNIC	COL
8 * DANGEROUS REFER TO HAZARD GRAPH FOR DETAILS				XG		
1GPSX 4255EK247000	C	36PROSPERITSCGEOPACIFIFCN			XWXC	COL
1GPSX 4209EK247000	C	36PROSPERITSCGEOPACIFIFCN			XWXC	COL
1GPSX 5337EK240000	C	36PROSPERITSCGEOPACIFIFCN			XWXC	COL
1CSXT491462EE730000	S	363OWEN	SCSMIOWESTESCO	B	XWXC	COL
1ATW 120134LA605075PAPER	S	360COLUMBIA	SCSTARECORDSCO	Y	SSAC	COL
1CSXT432158EK247000	C	36PROSPERITSCGEOPACIFIFCN			SRHC	COL
1SLC 1059EA402000	AKA353EASTOVER	SCINTPAPER	FSI		SSAC	COL
1AN 5726EA402000	AKA353EASTOVER	SCINTPAPER	FSI	A	XWXC	COL
0 BLOCK COLA COLUMBIA AUTOS						
1TTGX991467LV971025USEDVEH	S	366DIXIANA	SCGENMOTORSSCO		JJAC	COLA
8 EXTREME HEIGHT 1900				G		
1TTGX990657LV971025USEDVEH	S	366DIXIANA	SCGENMOTORSSCO		JJAC	COLA
8 EXTREME HEIGHT 1900				G		
1TTGX964612LV971025USEDVEH	S	366DIXIANA	SCGENMOTORSSCO		JPBC	COLA
8 EXTREME HEIGHT 1900				G		
1CN 710902LV971025USEDVEH	S	366DIXIANA	SCGENMOTORSSCO		JPBC	COLA
8 EXTREME HEIGHT 1811				G		
0 BLOCK COL COLUMBIA						
1CSXT490840EE730000	S	363OWEN	SCSMIOWESTESCO	B	XWXC	COL
1NOKL360073EE735000	S	363OWEN	SCSMIOWESTESCO		XWXC	COL
1CSXT139354EA405000	AK	332SUMTER	SCINTPAPER	FSU	A	SSAC
1SP 248395EA403000	C	36PROSPERITSCGEOPACIFIFCN			SSAC	COL
1RMGX 7070EK247000	C	36PROSPERITSCGEOPACIFIFCN			XWXC	COL
1CSXT140053EA405000	AKA353EASTOVER	SCINTPAPER	FSI	A	SSAC	COL
1BN 320112EA405000	AK	332SUMTER	SCINTPAPER	FSU	C	SSAC
1CSXT136391EA405000	S	344PONTIAC	SCCARCERANISCD	A	SSAC	COL
1SP 230165EA402000	AK	332SUMTER	SCINTPAPER	FSU		SSAC
1SMIX 6578LE730096SCRIRON	S	362CAYCE	SCSMISTESOUSCO		TTAC	COL
4SMIX 657888CONT CSXT90741					BOA	
0 BLOCK COLA COLUMBIA AUTOS						
1TTGX997308LV978018USEDVEH	S	366DIXIANA	SCGENMOTORSSCO		TYOC	COLA
8 EXTREME HEIGHT 1900				G		
0 BLOCK COL COLUMBIA						
1CSXT253938LC113100LIME	S	362CAYCE	SCSMISTESOUSCO	R	BMCC	COL

4CSXT253938@CONT CSXT82136 BOA
8 CONTAMINATED 080601 LIME RESTRICTED LOADING G
8 LOADED HI-CUBE COVERED HOPPER G
1SMIX 6518EE730000 S 363OWEN SCSMI SCO A TWICOL COL
4SMIX 6518 CAR DIVERTED ON CSXT ED05210312 IPD
4SMIX 6518 CAR DIVERTED AT ARCADIA FL IRD
1CSXT260409LC113101SPHOS AK 366CAMERON SCROYCLARK FSU Q TBVCOL COL
4CSXT260409@CONT CSXT46012 BOA
8 CONTAMINATED 092103 SPHOS RESTRICTED LOADING G
8 LOADED HI-CUBE COVERED HOPPER G
1MB 5085LB314061PULPBRD C 10IRMO SCSTOCONTAIFCN A XDOCOL COL
1OAR 3466LA403091PULPBRD C 10IRMO SCSTOCONTAIFCN XDOCOL COL
1CIRR 13070LA602081PULPBRD C 10IRMO SCSTOCONTAIFCN U XDOCOL COL
1OAR 3412LA403083PULPBRD C 10IRMO SCSTOCONTAIFCN B XDOCOL COL
1CIRR 94000LB614095PULPBRD C 10IRMO SCSTOCONTAIFCN C XDOCOL COL
1SBD 490745EE730000 S 363OWEN SCSMIOWESTESCO A XWXC COL COL
0 BLOCK COLA COLUMBIA AUTOS
1CN 712108LV971019USEDVEH S 366DIXIANA SCGENMOTORSSCO JPBCOLA COLA
8 EXTREME HEIGHT 1811 G
0 BLOCK COL COLUMBIA
1CSXT 16637MM930020MISC S 500SAVANNAH GAROADMASTESSA XTHBOI COL
0 WORS S 373ERIN SC S 3733227DIAMOND PET FOODS
W5 F75730 S 373 S 362 05301122 05301300

0 BLOCK UNKN UNKNOWN
1SSW 70687EC313000 LMPUP MCGEHEE ARAGENTRAILYUF SGM UNKN
1HS 1640EC113000 CSASGVSAGINAW MIAGENTHES 2SP R SGM UNKN
8 CONTAMINATED 040699 BEEPULP RESTRICTED LOADING G
1GVSR525809EC313000 LMPUP MCGEHEE ARAGENTRAILYUF SGM UNKN

TOTAL MERCHAN - PIGFLAT COAL PERISH AUTORAK TOTAL TOTAL
L E L E L E L E L E L E TONS - LENGTH
41 36 33 36 8 5,598 4,954
-EOT-0144LINES- A64#000001 CICS033 -DATE 06/08/18-TIME 162318

000735

ROA - 1506

000735

TRAIN# F75730 CR TRN# ORIG A 496 TIME 05301122 CONSIST# 425594

KEY FIELD CODES

F = FLAMMABLE GAS 2 1
X = EXPLOSIVES 1 1 OR 1 2

[illegible]

-HTL- *A1

QYU000085QYU

04/15/11 2231

RESTRICTED AND SPECIAL HANDLING LIST
=====

RULE 573 - CONDUCTOR MUST INFORM THE TRAIN DISPATCHER, THE ENGINEER
AND OTHER CREW MEMBERS CONCERNING EQUIPMENT OR CARS IN THE TRAIN THAT
RESTRICT THE TRAINS MOVEMENT OR THAT REQUIPE SPECIAL HANDLING

TRAIN# F75730 CR TRN#

ORIG: A 496 TIME 05301122 CONSIST# 425594

POS

IN	EQUIPMENT	L			
TRN	ID	NUMBER	E	CAR TYPE	SPECIAL INSTRUCTION
---	---	-----	-	-----	-----

021	TTGX	912876	L	AUTO RACK	HEIGHT(19'00')
-----	------	--------	---	-----------	----------------

038	TTGX	985364	L	AUTO RACK	HEIGHT(19'00")
-----	------	--------	---	-----------	----------------

049	TTGX	991467	L	AUTO PACK	HEIGHT(19'00")
-----	------	--------	---	-----------	----------------

050	TTGX	990657	L	AUTO RACK	HEIGHT(19'00")
-----	------	--------	---	-----------	----------------

051	TTGX	964612	L	AUTO RACK	HEIGHT(19'00")
-----	------	--------	---	-----------	----------------

052	CN	710902	L	AUTO RACK	HEIGHT(18'11")
-----	----	--------	---	-----------	----------------

063	TTGX	997308	L	AUTO RACK	HEIGHT(19'00")
-----	------	--------	---	-----------	----------------

073	CN	712108	L	AUTO RACK	HEIGHT(18'11")
-----	----	--------	---	-----------	----------------

-EOT-0033LINES- QYU#000085 CICS063 -DATE 04/05/30-TIME 112231

100-201 100000002-CUACU CTOS TPAK SHEET REVIEW 04/150737
 MCG TM ^ DATE 05319735
 IPT INT TRAIN ID F75730 ORIGIN ESBVAN ACT DEPT ACT ARR
 TRAIN ID ORIGIN ESTIM ADJ DEPT 05301300 05301345 05302231
 F75730 ESBVAN GAYCE 05301530 05310200
 SO G (1) L PROHIB SCH 0230 A 0145 A 0327 A

RESTRICTED TPAK (-) HI WTC (-) KEY TRAIN (HAZMAT)
 STATISTICS LOADS EMPTIES TONS TOTES LENGTH
 DEPARTURE 040 033 05406 000 01731
 LAST REPORTED: 024 033 03888 000 04113
 ARRIVAL: 024 033 03590 000 03744

LEAD: CSXT 160 21 CSXT 264 3
 4 5 61
 7 8 9
 10 11 12
 END: CSXT 16637 END: CSXE 17808 TPCF:
 UTO R#1 -

JF1 - JF2 - ROAD: - FTY -
 AUTHORIZED INITIALS: (-) TRAIN SHEET COMPLETION (-) TRAIN SHEET DELETION
 CREW 1 NAME ON DUTY LOCATI TIM RELV LOCATI EXPR ID NUMBER
 ENGINEER J CUACU 05301300 ESBVAN 05302320 GAYCE 0100 1137561
 CONDUCTOR JL BONNER 05301300 ESBVAN 05302320 GAYCE 0100 1138174

HANDLED 041 LOADS 033 EMPTIES 04850 TONS TRAIN BULLETIN 19304

CREW 2 NAME ON DUTY LOCATI TIM RELV LOCATI EXPR ID NUMBER
 - - - - -
 - - - - -
 - - - - -
 - - - - -
 HANDLED LOADS EMPTIES TONS TRAIN BULLETIN

CREW 7 NAME ON DUTY LOCATI TIM RELV LOCATI EXPR ID NUMBER
 - - - - -
 - - - - -
 - - - - -
 - - - - -
 HANDLED LOADS EMPTIES TONS TRAIN BULLETIN

CREW 4 NAME ON DUTY LOCATI TIM RELV LOCATI EXPR ID NUMBER
 - - - - -
 - - - - -
 - - - - -
 - - - - -
 HANDLED LOADS EMPTIES TONS TRAIN BULLETIN

CREW 5 NAME ON DUTY LOCATI TIM RELV LOCATI EXPR ID NUMBER
 - - - - -
 - - - - -
 - - - - -
 - - - - -
 HANDLED LOADS EMPTIES TONS TRAIN BULLETIN

000737

LVST 07 50 N 2146 21-7
 M00070 08 31 I 2203 2201
 MP331 05 50 N 2208
 SENAGE 05 00 N 2213
 NEMAGE 01 30 N 2215
 DIXIE 10 29 N 2231 2232
 SCAYCE 02 50 N 2230

CAY 2244
 CAY 2240
 CAY 2239
 CAY 2239
 CAY 2237
 CAY 2236
 CAY 2237

** TRAIN SKEE: SETOUTS/PICKUPS **

STATION	LOS	MTY	SETOUTS		FLEET	Y/N	LOS	MTY	PICKUPS		FEET	Y/N
			TONS	TOTL					TONS	TOTL		
NO SETOUTS / PICKUPS RA/C BEEN REPORTED												

COT-01271 LINES- ACU#000002 CILS043 DATE 04/05/31-TIME 073350

000738

Head Car	Line	EQUIPMENT ID	AAR Car Type	AAR Car Type Code	Draft Gear	Articulated	Outside Length	Decimal feet	SUM feet	L / E	Tons
		CSXT 180	AC 4400					73.2	73.2		210
		CSXT 284	AC 4400					73.2	146.3		210
1		SOU 526947	Equipped Box Car	A302	88		055 ft 05 in	55.4	201.3	E	32
		CSXT 143710	Equipped Box Car	A402	10		057 ft 03 in	57.3	259.0	E	31
		CSXT 141401	Equipped Box Car	A302	88		055 ft 05 in	55.4	314.4	E	30
4		BM 3285	Equipped Box Car	A402	10		056 ft 04 in	56.3	370.8	E	31
5	15	JTI X 900074	Flat Car	F473	88		068 ft 07 in	68.6	439.3	E	31
6	19	CSXT 600565	Flat Car	F383	10		079 ft 09 in	79.8	519.1	E	34
7	20	SMPX 8127	Equipped Gondola	E730	88		070 ft 05 in	70.4	589.5	E	39
8	21	TTXX 912876	Vehicular Flat Car	V971	10		093 ft 08 in	93.7	683.2	L	72
9	22	CSXT 490792	Equipped Gondola	E730	88		072 ft 03 in	72.3	755.4	E	36
10	23	CSXT 137100	Equipped Box Car	A305	88		065 ft 05 in	55.4	810.8	L	90
11	24	CSXT 491065	Equipped Gondola	E830	6		071 ft 00 in	71.0	881.8	E	37
12	25	CSXT 140282	Equipped Box Car	A405	15		058 ft 03 in	58.3	940.1	E	35
13	26	GVSR 783068	Equipped Box Car	A403	10		059 ft 03 in	59.3	999.3	E	32
14	27	CSXT 140267	Equipped Box Car	A405	15		058 ft 03 in	58.3	1057.6	E	35
15	28	ATW 81038	Equipped Box Car	A406	20		057 ft 09 in	57.8	1116.3	E	34
16	29	CSXT 137351	Equipped Box Car	A305	88		055 ft 05 in	55.4	1170.8	L	108
17	30	MB 5058	Unequipped Box Car	B314	88		055 ft 11 in	55.9	1226.7	L	107
18	31	ASAB 7037	Unequipped Box Car	B414	10		057 ft 03 in	57.3	1283.9	L	109
19	32	CIRR 91130	Equipped Box Car	A402	10		057 ft 04 in	57.3	1341.3	L	106
20	33	GPSX 5336	Equipped Hopper Car	K240	88		070 ft 04 in	70.3	1411.6	E	40
21	34	RMGX 7055	Equipped Hopper Car	K247	88		070 ft 04 in	70.3	1481.9	E	39
22	35	GPSX 558	Equipped Gondola	E500	88		065 ft 00 in	65.0	1546.9	E	34
23	36	FPBX 3	Flat Car	F373	88		068 ft 07 in	68.6	1615.5	L	92
24	37	CSXT 434048	Equipped Hopper Car	K247	88		073 ft 03 in	73.3	1688.8	E	41
25	38	TTXX 985364	Vehicular Flat Car	V978	10		093 ft 10 in	93.8	1782.6	L	72
26	39	CSXT 127748	Equipped Box Car	A402	15		056 ft 10 in	56.8	1839.4	E	31
27	40	UTLX 600329	Tank Car	T104	77		042 ft 03 in	42.3	1881.7	L	130
28	41	GPSX 4255	Equipped Hopper Car	K247	88		068 ft 00 in	68.0	1949.7	E	40
29	42	GPSX 4209	Equipped Hopper Car	K247	88		068 ft 00 in	68.0	2017.7	E	41
30	43	GPSX 5337	Equipped Hopper Car	K240	88		070 ft 04 in	70.3	2088.0	E	40
31	44	CSXT 491462	Equipped Gondola	E730	88		070 ft 05 in	70.4	2158.4	E	37
32	45	ATW 120134	Equipped Box Car	A605	15		069 ft 02 in	69.2	2227.6	L	115
33	46	CSXT 432158	Equipped Hopper Car	K247	88		068 ft 00 in	68.0	2295.6	E	40
34	47	SLC 1059	Equipped Box Car	A402	10		057 ft 03 in	57.3	2352.8	E	31
35	48	AN 5726	Equipped Box Car	A402	10		057 ft 03 in	57.3	2410.1	E	31
36	49	TTXX 991467	Vehicular Flat Car	V971	10		093 ft 10 in	93.8	2503.9	L	80
37	50	TTXX 990657	Vehicular Flat Car	V971	10		093 ft 10 in	93.8	2597.8	L	80
38	51	TTXX 964612	Vehicular Flat Car	V971	10		093 ft 08 in	93.7	2691.4	L	77
39	52	CN 710902	Vehicular Flat Car	V971	10		093 ft 10 in	93.8	2785.3	L	72
40	53	CSXT 490840	Equipped Gondola	E730	88		071 ft 00 in	71.0	2856.3	E	39
41	54	NOKL 360073	Equipped Gondola	E735	88		070 ft 05 in	70.4	2926.7	E	38
42	55	CSXT 139354	Equipped Box Car	A405	15		058 ft 00 in	58.0	2984.7	E	32
43	56	SP 248395	Equipped Box Car	A403	10		059 ft 01 in	59.1	3043.8	E	33
44	57	RMGX 7070	Equipped Hopper Car	K247	88		070 ft 04 in	70.3	3114.1	E	40
45	58	CSXT 140053	Equipped Box Car	A405	6		057 ft 06 in	57.5	3171.6	E	34
46	59	BN 320112	Equipped Box Car	A405	20		058 ft 00 in	58.0	3229.6	E	36
47	60	CSXT 126391	Equipped Box Car	A405	15		059 ft 03 in	59.3	3288.8	E	33
48	61	SP 220165	Equipped Box Car	A402	20		057 ft 10 in	57.8	3348.7	E	34
49	62	SMIX 6578	Equipped Gondola	E730	88		070 ft 05 in	70.4	3417.1	L	134
50	63	TTXX 997308	Vehicular Flat Car	V978	10		093 ft 10 in	93.8	3510.9	L	70
51	64	CSXT 253938	Covered Hopper Car	C113	88		054 ft 09 in	54.8	3565.7	L	131
52	65	SMIX 6518	Equipped Gondola	E730	88		070 ft 05 in	70.4	3636.1	E	38
53	66	CSXT 260409	Covered Hopper Car	C113	88		060 ft 00 in	60.0	3696.1	L	132
54	67	MB 5085	Unequipped Box Car	B314	88		055 ft 11 in	55.9	3752.0	L	93
55	68	OAR 3466	Equipped Box Car	A403	15		059 ft 01 in	59.1	3811.1	L	128
56	69	CIRR 13070	Equipped Box Car	A602	15		067 ft 11 in	67.9	3879.0	L	117
57	70	OAR 3412	Equipped Box Car	A403	15		059 ft 01 in	59.1	3938.1	L	120
58	71	CIRR 94000	Unequipped Box Car	B614	15		067 ft 11 in	67.9	4006.0	L	131
59	72	SBD 490745	Equipped Gondola	E730	88		072 ft 03 in	72.3	4078.3	E	36
60	73	CN 712108	Vehicular Flat Car	V971	10		093 ft 08 in	93.7	4171.9	L	67
61	74	CSXT 16637	Maintenance of Way Scale Passenger Caboose and End of Train	M930	15		043 ft 03 in	43.3	4215.2	E	20

Distance of POI to POB 1098 feet
 Distance of Emergency Braking to St p 1086 feet
 Train Speed at Time of Emergency 48 m/h 5 47 61

Distance Emergency Braking Applied AFTER Impact 412.5 feet
 Time Emergency Braking Applied AFTER Impact 6.11 seconds

Minute	Sec	Δ	Mile	Feet	Sp	d	ABRK	IBRK	THR	TE	H	n	DOT	Total Seconds	Time to Stop	Distance to POB	Distance to POI	Time to Emergency	Distance to Emergency
4	18	53	882	46	90	0	0	0	0	2			For	259	89	2780.5	2780.5	45	3952
4	20	53	611	40	90	0	0	0	0	2			For	260	88	2780.5	2780.5	45	3952
4	21	53	540	48	90	0	0	0	0	2			For	261	87	2780.5	2780.5	44	3951
4	22	53	469	46	90	0	0	0	0	2			For	262	86	2780.5	2780.5	43	3950
4	23	53	398	46	90	0	0	0	0	2			For	263	85	2780.5	2780.5	42	3949
4	24	53	326	40	90	0	0	0	0	2			For	264	84	2780.5	2780.5	41	3948
4	25	53	257	40	90	0	0	0	0	2			For	265	83	2780.5	2780.5	40	3947
4	26	53	187	40	90	0	0	0	0	2			For	266	82	2780.5	2780.5	39	3946
4	27	53	116	40	90	0	0	0	0	2			For	267	81	2780.5	2780.5	38	3945
4	28	53	45	48	90	0	0	0	0	2			For	268	80	2780.5	2780.5	37	3944
4	29	53	256	48	90	0	0	0	0	2			For	269	79	2780.5	2780.5	36	3943
4	30	53	185	48	90	0	0	0	0	2			For	270	78	2780.5	2780.5	35	3942
4	31	53	113	48	90	0	0	0	0	2			For	271	77	2780.5	2780.5	34	3941
4	32	53	42	5042	48	90	0	0	0	2			For	272	76	2780.5	2780.5	33	3940
4	33	53	2	4971	48	90	0	0	0	2			For	273	75	2780.5	2780.5	32	3939
4	34	53	4301	48	90	0	0	0	0	2			For	274	74	2780.5	2780.5	31	3938
4	35	53	4830	48	90	0	0	0	0	2			For	275	73	2780.5	2780.5	30	3937
4	36	53	4769	48	90	0	0	0	0	2			For	276	72	2780.5	2780.5	29	3936
4	37	53	4698	48	90	0	0	0	0	2			For	277	71	2780.5	2780.5	28	3935
4	38	53	4618	48	90	0	0	0	0	2			For	278	70	2780.5	2780.5	27	3934
4	39	53	4547	48	90	0	0	0	0	2			For	279	69	2780.5	2780.5	26	3933
4	40	53	4477	47	90	0	0	0	0	2			For	280	68	2780.5	2780.5	25	3932
4	41	53	4406	47	90	0	0	0	0	2			For	281	67	2780.5	2780.5	24	3931
4	42	53	4336	47	90	0	0	0	0	2			For	282	66	2780.5	2780.5	23	3930
4	43	53	4270	46	90	0	0	0	0	2			For	283	65	2780.5	2780.5	22	3929
4	44	53	4202	46	90	0	0	0	0	2			For	284	64	2780.5	2780.5	21	3928
4	45	53	4133	46	90	0	0	0	0	2			For	285	63	2780.5	2780.5	20	3927
4	46	53	4065	46	90	0	0	0	0	2			For	286	62	2780.5	2780.5	19	3926
4	47	53	3996	46	90	0	0	0	0	2			For	287	61	2780.5	2780.5	18	3925
4	48	53	3928	46	90	0	0	0	0	2			For	288	60	2780.5	2780.5	17	3924
4	49	53	3859	46	90	0	0	0	0	2			For	289	59	2780.5	2780.5	16	3923
4	50	53	3790	46	90	0	0	0	0	2			For	290	58	2780.5	2780.5	15	3922
4	51	53	3722	46	90	0	0	0	0	2			For	291	57	2780.5	2780.5	14	3921
4	52	53	3654	46	90	0	0	0	0	2			For	292	56	2780.5	2780.5	13	3920
4	53	53	3585	46	90	0	0	0	0	2			For	293	55	2780.5	2780.5	12	3919
4	54	53	3517	46	90	0	0	0	0	2			For	294	54	2780.5	2780.5	11	3918
4	55	53	3449	46	90	0	0	0	0	2			For	295	53	2780.5	2780.5	10	3917
4	56	53	3381	46	90	0	0	0	0	2			For	296	52	2780.5	2780.5	9	3916
4	57	53	3313	46	90	0	0	0	0	2			For	297	51	2780.5	2780.5	8	3915
4	58	53	3245	46	90	0	0	0	0	2			For	298	50	2780.5	2780.5	7	3914
4	59	53	3177	46	90	0	0	0	0	2			For	299	49	2780.5	2780.5	6	3913
5	0	53	3110	46	90	0	0	0	0	2			For	300	48	2780.5	2780.5	5	3912
5	1	53	3042	46	90	0	0	0	0	2			For	301	47	2780.5	2780.5	4	3911
5	2	53	2974	46	90	0	0	0	0	2			For	302	46	2780.5	2780.5	3	3910
5	3	53	2906	46	90	0	0	0	0	2			For	303	45	2780.5	2780.5	2	3909
5	4	53	2838	46	90	0	0	0	0	2			For	304	44	2780.5	2780.5	1	3908
5	5	53	2770	46	90	0	0	0	0	2			For	305	43	2780.5	2780.5	0	3907
5	6	53	2702	46	74	0	0	0	0	3			For	306	42	2780.5	2780.5	0	3906
5	7	53	2634	46	74	0	0	0	0	3			For	307	41	2780.5	2780.5	0	3905
5	8	53	2566	46	74	0	0	0	0	3			For	308	40	2780.5	2780.5	0	3904
5	9	53	2498	46	74	0	0	0	0	3			For	309	39	2780.5	2780.5	0	3903
5	10	53	2430	46	74	0	0	0	0	3			For	310	38	2780.5	2780.5	0	3902
5	11	53	2362	46	74	0	0	0	0	3			For	311	37	2780.5	2780.5	0	3901
5	12	53	2294	46	74	0	0	0	0	3			For	312	36	2780.5	2780.5	0	3900
5	13	53	2226	46	74	0	0	0	0	3			For	313	35	2780.5	2780.5	0	3899
5	14	53	2158	46	74	0	0	0	0	3			For	314	34	2780.5	2780.5	0	3898
5	15	53	2090	46	74	0	0	0	0	3			For	315	33	2780.5	2780.5	0	3897
5	16	53	2022	46	74	0	0	0	0	3			For	316	32	2780.5	2780.5	0	3896
5	17	53	1954	46	74	0	0	0	0	3			For	317	31	2780.5	2780.5	0	3895
5	18	53	1886	46	74	0	0	0	0	3			For	318	30	2780.5	2780.5	0	3894
5	19	53	1818	46	74	0	0	0	0	3			For	319	29	2780.5	2780.5	0	3893
5	20	53	1750	46	74	0	0	0	0	3			For	320	28	2780.5	2780.5	0	3892
5	21	53	1682	46	74	0	0	0	0	3			For	321	27	2780.5	2780.5	0	3891
5	22	53	1614	46	74	0	0	0	0	3			For	322	26	2780.5	2780.5	0	3890
5	23	53	1546	46	74	0	0	0	0	3			For	323	25	2780.5	2780.5	0	3889
5	24	53	1478	46	74	0	0	0	0	3			For	324	24	2780.5	2780.5	0	3888
5	25	53	1410	46	74	0	0	0	0	3			For	325	23	2780.5	2780.5	0	3887
5	26	53	1342	46	74	0	0	0	0	3			For	326	22	2780.5	2780.5	0	3886
5	27	53	1274	46	74	0	0	0	0	3			For	327	21	2780.5	2780.5	0	3885
5	28	53	1206	46	74	0	0	0	0	3			For	328	20	2780.5	2780.5	0	3884
5	29	53	1138	46	74	0	0	0	0	3			For	329	19	2780.5	2780.5	0	3883
5	30	53	1070	46	74	0	0	0	0	3			For	330	18	2780.5	2780.5	0	3882
5	31	53	1002	46	74	0	0	0	0	3			For	331	17	2780.5	2780.5	0	3881
5	32	53	934	46	74	0	0	0	0	3			For	332	16	2780.5	2780.5	0	3880
5	33	53	866	46	74	0	0	0	0	3			For	333	15	2780.5	2780.5	0	3879
5	34	53	798	46	74	0	0	0	0	3			For	334	14	2780.5	2780.5	0	3878
5	35	53	730	46	74	0	0	0	0	3			For	335	13	2780.5	2780.5	0	3877
5	36	53	662	46	74	0	0	0	0	3			For	336	12	2780.5	2780.5	0	3876
5	37	53	594	46	74	0	0	0	0	3			For	337	11	2780.5	2780.5	0	3875
5	38	53	526	46	74	0	0	0	0	3			For	338	10	2780.5	2780.5	0	3874
5	39	53	458	46	74	0	0	0	0	3			For	339	9	2780.5	2780.5	0	3873
5	40	53	390	46	74	0	0	0	0	3			For	340	8	2780.5	2780.5	0	3872
5	41	53	322	46	74	0	0	0	0	3			For	341	7	2780.5	2780.5	0	3871
5	42	53	254	46	74	0	0	0	0	3			For	342	6	2			

[illegible]

1905 hours F75730

Crossing 634785N

M.P. 5414.15 Officer

Tan Chevy Van
Mar? -

~~Wash~~
Whatley

Tag S.C. 12464 Hand
Cap

Clear + Hot about 90°

Beryl Glenn Harvey

6878 Carolina Hy

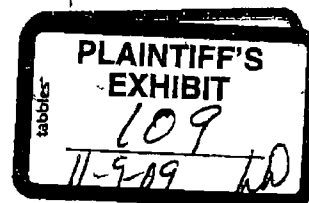
2nd Passenger in
wheel chair

Behind driver seat

Driver
Francis C. Harvey
Add same

TRAIN F75730 Stopped 1700' feet from
point of Accident.

Crossing was identified by crossbuts +
STOP signs - both directions.



ROA - 1515

Locomotive 160 (CSX)
 Recorder 0
 Start Time May 23 2001 03 00.00
 End Time Jun 01, 2001 07 27 45

DATA TABLE
 Wheel Size 40 80
 Recorder Type IFC-CSX

PLAINTIFF'S
 EXHIBIT

113
 11-9-09 LD

Printed on Nov 05 2007 13 40 2
 WRE Recorder Data Analysis Software
 WPN 17561 Version 3 6 3 0
 Filename 0102067.DAT

Date	Time	Distance miles	Speed feet mph	DOT	Trac Effort kibs	Horn	Bell	AB psi	IB psi	EOT psi	PCS Open	Throttle Notch	Dyn Brake	ECP Message	ECP EOT psi	ECP TBC %	Oper Brk %
05/31	19 07 06 52	1183	0	For	0		Off	0	76	0	Open	Idle	Off	---	---	---	---
05/31	19 07 05 52	1183	0	For	0		Off	0	76	0	Open	Idle	Off	---	---	---	---
05/31	19 07 04 52	1183	0	For	0		Off	0	76	0	Open	Idle	Off	---	---	---	---
05/31	19 07 03 52	1183	0	For	0		Off	0	76	0	Open	Idle	Off	---	---	---	---
05/31	19 07 02 52	1183	0	For	0		Off	0	76	0	Open	Idle	Off	---	---	---	---
05/31	19 07 01 52	1183	0	For	0		Off	0	76	0	Open	Idle	Off	---	---	---	---
05/31	19 07 00 52	1183	0	For	0		Off	0	76	0	Open	Idle	Off	---	---	---	---
05/31	19 06 59 52	1183	0	For	0		Off	0	76	0	Open	Idle	Off	---	---	---	---
05/31	19 06 58 52	1183	0	For	0		Off	0	76	0	Open	Idle	Off	---	---	---	---
05/31	19 06 57 52	1183	0	For	0		Off	0	76	0	Open	Idle	Off	---	---	---	---
05/31	19 06 56 52	1183	0	For	0		Off	0	76	0	Open	Idle	Off	---	---	---	---
05/31	19 06 55 52	1183	0	For	0		Off	0	76	0	Open	Idle	Off	---	---	---	---
05/31	19 06 54 52	1183	0	For	0		Off	0	76	0	Open	Idle	Off	---	---	---	---
05/31	19 06 53 52	1183	0	For	0		Off	0	76	0	Open	Idle	Off	---	---	---	---
05/31	19 06 52 52	1183	0	For	0		Off	0	76	0	Open	Idle	Off	---	---	---	---
05/31	19 06 51 52	1183	0	For	0		Off	0	76	0	Open	Idle	Off	---	---	---	---
05/31	19 06 50 52	1183	0	For	0		Off	0	76	0	Open	Idle	Off	---	---	---	---
05/31	19 06 49 52	1183	0	For	0		Off	0	76	0	Open	Idle	Off	---	---	---	---
05/31	19 06 48 52	1183	0	For	0		Off	0	76	0	Open	Idle	Off	---	---	---	---
05/31	19 06 47 52	1183	0	For	0		Off	0	76	0	Open	Idle	Off	---	---	---	---
05/31	19 06 46 52	1183	0	For	0		Off	0	76	0	Open	Idle	Off	---	---	---	---
05/31	19 06 45 52	1183	0	For	0		Off	0	76	0	Open	Idle	Off	---	---	---	---
05/31	19 06 44 52	1183	0	For	0		Off	0	76	0	Open	Idle	Off	---	---	---	---
05/31	19 06 43 52	1183	0	For	0		Off	0	76	0	Open	Idle	Off	---	---	---	---
05/31	19 06 42 52	1183	0	For	0		Off	0	76	0	Open	Idle	Off	---	---	---	---
05/31	19 06 41 52	1183	0	For	0		Off	0	76	0	Open	Idle	Off	---	---	---	---
05/31	19 06 40 52	1183	0	For	0		Off	0	76	0	Open	Idle	Off	---	---	---	---
05/31	19 06 39 52	1183	0	For	0		Off	0	76	0	Open	Idle	Off	---	---	---	---
05/31	19 06 38 52	1183	0	For	0		Off	0	76	0	Open	Idle	Off	---	---	---	---
05/31	19 06 37 52	1183	0	For	0		Off	0	76	0	Open	Idle	Off	---	---	---	---
05/31	19 06 36 52	1183	0	For	0		Off	0	76	0	Open	Idle	Off	---	---	---	---
05/31	19 06 35 52	1183	0	For	0		Off	0	76	0	Open	Idle	Off	---	---	---	---
05/31	19 06 34 52	1183	0	For	0		Off	0	76	0	Open	Idle	Off	---	---	---	---
05/31	19 06 33 52	1183	0	For	0		Off	0	76	0	Open	Idle	Off	---	---	---	---
05/31	19 06 32 52	1183	0	For	0		Off	0	76	0	Open	Idle	Off	---	---	---	---
05/31	19 06 31 52	1183	0	For	0		Off	0	76	0	Open	Idle	Off	---	---	---	---
05/31	19 06 30 52	1183	0	For	0		Off	0	76	0	Open	Idle	Off	---	---	---	---
05/31	19 06 29 52	1183	0	For	0		Off	0	76	0	Open	Idle	Off	---	---	---	---
05/31	19 06 28 52	1183	0	For	0		Off	0	76	0	Open	Idle	Off	---	---	---	---
05/31	19 06 27 52	1183	0	For	0		Off	0	76	0	Open	Idle	Off	---	---	---	---
05/31	19 06 26 52	1183	0	For	0		Off	0	76	0	Open	Idle	Off	---	---	---	---
05/31	19 06 25 52	1183	0	For	0		Off	0	76	0	Open	Idle	Off	---	---	---	---

CSX43523

DATA TABLE

Printed on Nov 05 2007 13:40.2

Locomotive 160 (CSX)
 Recorder 0
 Start Time May 23, 2001 03:00:00
 End Time Jun 01 2001 07:27:45

Wheel Size 40 60
 Recorder Type IFC-CSX

WRE Recorder Data Analysis Software
 WPN 17561 Version 3.6.3.0
 Filename 0102067.DAT

Date	Time	Distance miles	Speed feet mph	DOT	Effort kibs	Trac Hom 0123456789	Bell	AB psi	IB psi	EOT psi	PCS Open	Throttle Notch	Dyn Brake	ECP Message	ECP EOT psi	ECP TBC %	Oper Brk %
05/31	19 08 24 52		1183 0	For 0			Off 0	76	0	Open	Idle	Off	—	—	—	—	—
05/31	19 08 23 52		1183 0	For 0			Off 0	76	0	Open	Idle	Off	—	—	—	—	—
05/31	19 08 22 52		1183 0	For 0			Off 0	76	0	Open	Idle	Off	—	—	—	—	—
05/31	19 08 21 52		1183 0	For 0			Off 0	76	0	Open	Idle	Off	—	—	—	—	—
05/31	19 08 20 52		1183 0	For 0			Off 0	76	0	Open	Idle	Off	—	—	—	—	—
05/31	19 08 19 52		1183 0	For 0			Off 0	76	0	Open	Idle	Off	—	—	—	—	—
05/31	19 08 18 52		1183 0	For 0			Off 0	76	0	Open	Idle	Off	—	—	—	—	—
05/31	19 08 17 52		1183 0	For 0			Off 0	76	0	Open	Idle	Off	—	—	—	—	—
05/31	19 08 16 52		1183 0	For 0			Off 0	76	0	Open	Idle	Off	—	—	—	—	—
05/31	19 08 15 52		1183 0	For 0			Off 0	76	0	Open	Idle	Off	—	—	—	—	—
05/31	19 08 14 52		1183 0	For 0			Off 0	76	0	Open	Idle	Off	—	—	—	—	—
05/31	19 08 13 52		1183 0	For 0			Off 0	76	0	Open	Idle	Off	—	—	—	—	—
05/31	19 08 12 52		1183 0	For 0			Off 0	76	0	Open	Idle	Off	—	—	—	—	—
05/31	19 08 11 52		1183 0	For 0			Off 0	76	0	Open	Idle	Off	—	—	—	—	—
05/31	19 08 10 52		1183 0	For 0			Off 0	76	0	Open	Idle	Off	—	—	—	—	—
05/31	19 08 09 52		1183 0	For 0			Off 0	76	0	Open	Idle	Off	—	—	—	—	—
05/31	19 08 08 52		1183 0	For 0			Off 0	76	0	Open	Idle	Off	—	—	—	—	—
05/31	19 08 07 52		1183 0	For 0			Off 0	76	0	Open	Idle	Off	—	—	—	—	—
05/31	19 08 06 52		1183 0	For 0			Off 0	76	0	Open	Idle	Off	—	—	—	—	—
05/31	19 08 05 52		1183 0	For 0			Off 0	76	0	Open	Idle	Off	—	—	—	—	—
05/31	19 08 04 52		1183 0	For 0			Off 0	76	0	Open	Idle	Off	—	—	—	—	—
05/31	19 08 03 52		1183 0	For 0			Off 0	76	0	Open	Idle	Off	—	—	—	—	—
05/31	19 08 02 52		1183 0	For 0			Off 0	76	0	Open	Idle	Off	—	—	—	—	—
05/31	19 08 01 52		1183 0	For 0			Off 0	76	0	Open	Idle	Off	—	—	—	—	—
05/31	19 08 00 52		1183 0	For 0			Off 0	76	0	Open	Idle	Off	—	—	—	—	—
05/31	19 05 59 52		1183 0	For 0			Off 0	76	0	Open	Idle	Off	—	—	—	—	—
05/31	19 05 58 52		1183 0	For 0			Off 0	76	0	Open	Idle	Off	—	—	—	—	—
05/31	19 05 57 52		1183 0	For 0			Off 0	76	0	Open	Idle	Off	—	—	—	—	—
05/31	19 05 56 52		1183 0	For 0			Off 0	76	0	Open	Idle	Off	—	—	—	—	—
05/31	19 05 55 52		1183 0	For 0			Off 0	76	0	Open	Idle	Off	—	—	—	—	—
05/31	19 05 54 52		1183 0	For 0			On 0	76	0	Open	Idle	Off	—	—	—	—	—
05/31	19 05 53 52		1183 0	For 0			On 0	70	0	Open	Idle	Off	—	—	—	—	—
05/31	19 05 52 52		1183 0	For 0			On 0	70	0	Open	Idle	Off	—	—	—	—	—
05/31	19 05 51 52		1183 0	For 0			On 0	64	0	Open	Idle	Off	—	—	—	—	—
05/31	19 05 50 52		1183 0	For 0			On 0	53	0	Open	Idle	Off	—	—	—	—	—
05/31	19 05 49 52		1183 0	For 0			On 0	37	0	Open	Idle	Off	—	—	—	—	—
05/31	19 05 48 52		1183 0	For 0			On 0	8	0	Open	Idle	Off	—	—	—	—	—
05/31	19 05 47 52		1184 0	For 0			On 0	0	0	Open	Idle	Off	—	—	—	—	—
05/31	19 05 46 52		1184 0	For 0			On 0	0	0	Open	Idle	Off	—	—	—	—	—
05/31	19 05 45 52		1185 0	For 0			On 0	0	0	Open	Idle	Off	—	—	—	—	—
05/31	19 05 44 52		1185 0	For 0			On 0	0	0	Open	Idle	Off	—	—	—	—	—
05/31	19 05 43 52		1186 3	For 0			On 0	0	0	Open	Idle	Off	—	—	—	—	—

C4X43524

ROA - 1517

Locomotive 160 (CSX)
 Recorder 0
 Start Time May 23 2001 03:00:00
 End Time Jun 01 2001 07:27:45

DATA TABLE
 Wheel Size 40 60
 Recorder Type IFC-CSX

Printed on Nov 05 2007 13:40:21
 WRE Recorder Data Analysis Software
 WPN 17561 Version 3.6.3.0
 Filename 0102067.DAT

Date	Time	Distance		Speed	DOT	Trac Effort	Horn	Bell	AB	IB	EOT	PCS	Throttle	Dyn	ECP Message	ECP EOT	ECP TBC	Oper Brk
		miles	feet	mph												psi	%	%
05/31	19 05 42 52	52	1191	3	For	0	0123456789	On	0	0	0	Open	Idle	Off	---	---	---	---
05/31	19 05 41 52	52	1196	6	For	0		On	0	0	0	Open	Idle	Off	---	---	---	---
05/31	19 05 40 52	52	1206	6	For	0		On	0	0	0	Open	Idle	Off	---	---	---	---
05/31	19 05 39 52	52	1216	9	For	0		On	0	0	0	Open	Idle	Off	---	---	---	---
05/31	19 05 38 52	52	1231	9	For	0		On	0	0	0	Open	Idle	Off	---	---	---	---
05/31	19 05 37 52	52	1245	13	For	0		On	0	0	0	Open	Idle	Off	---	---	---	---
05/31	19 05 36 52	52	1265	13	For	0		On	0	0	0	Open	Idle	Off	---	---	---	---
05/31	19 05 35 52	52	1284	16	For	0		On	0	0	0	Open	Idle	Off	---	---	---	---
05/31	19 05 34 52	52	1309	16	For	0		On	0	0	0	Open	Idle	Off	---	---	---	---
05/31	19 05 33 52	52	1333	19	For	0		On	0	0	0	Open	Idle	Off	---	---	---	---
05/31	19 05 32 52	52	1362	19	For	0		On	0	0	0	Open	Idle	Off	---	---	---	---
05/31	19 05 31 52	52	1391	22	For	0		On	0	0	0	Open	Idle	Off	---	---	---	---
05/31	19 05 30 52	52	1425	22	For	0		On	0	0	0	Open	Idle	Off	---	---	---	---
05/31	19 05 29 52	52	1457	25	For	0		On	0	0	0	Open	Idle	Off	---	---	---	---
05/31	19 05 28 52	52	1495	25	For	0		On	0	0	0	Open	Idle	Off	---	---	---	---
05/31	19 05 27 52	52	1532	28	For	0		On	0	0	0	Open	Idle	Off	---	---	---	---
05/31	19 05 26 52	52	1574	28	For	0		On	0	0	0	Open	Idle	Off	---	---	---	---
05/31	19 05 25 52	52	1615	31	For	0		On	0	0	0	Open	Idle	Off	---	---	---	---
05/31	19 05 24 52	52	1662	31	For	0		On	0	0	0	Open	Idle	Off	---	---	---	---
05/31	19 05 23 52	52	1708	31	For	0		On	0	0	0	Open	Idle	Off	---	---	---	---
05/31	19 05 22 52	52	1754	34	For	0		On	0	0	0	Open	Idle	Off	---	---	---	---
05/31	19 05 21 52	52	1804	34	For	0		On	0	0	0	Open	Idle	Off	---	---	---	---
05/31	19 05 20 52	52	1855	34	For	0		On	0	0	0	Open	Idle	Off	---	---	---	---
05/31	19 05 19 52	52	1905	36	For	0		On	0	0	0	Open	Idle	Off	---	---	---	---
05/31	19 05 18 52	52	1960	36	For	0		On	0	0	0	Open	Idle	Off	---	---	---	---
05/31	19 05 17 52	52	2013	39	For	0		On	0	0	0	Open	Idle	Off	---	---	---	---
05/31	19 05 16 52	52	2071	39	For	0		On	0	0	0	Open	Idle	Off	---	---	---	---
05/31	19 05 15 52	52	2129	39	For	0		On	0	0	0	Open	Idle	Off	---	---	---	---
05/31	19 05 14 52	52	2187	41	For	0		On	0	0	0	Open	Idle	Off	---	---	---	---
05/31	19 05 13 52	52	2247	42	For	0		On	0	0	0	Open	Idle	Off	---	---	---	---
05/31	19 05 12 52	52	2309	43	For	0		On	0	0	41	Open	Idle	Off	---	---	---	---
05/31	19 05 11 52	52	2372	43	For	0		On	0	0	89	Open	Idle	Off	---	---	---	---
05/31	19 05 10 52	52	2437	43	For	0		On	0	2	89	Open	Idle	Off	---	---	---	---
05/31	19 05 09 52	52	2501	44	For	0		On	0	2	89	Open	Idle	Off	---	---	---	---
05/31	19 05 08 52	52	2567	45	For	8		On	0	9	89	Open	Idle	Off	---	---	---	---
05/31	19 05 07 52	52	2633	46	For	30		On	8	0	89	Open	Idle	Off	---	---	---	---
05/31	19 05 06 52	52	2701	46	For	31		On	74	0	89	Open	T8	Off	---	---	---	---
05/31	19 05 05 52	52	2769	46	For	29		On	90	0	89	Closed	T8	Off	---	---	---	---
05/31	19 05 04 52	52	2837	46	For	29		On	90	0	89	Closed	T8	Off	---	---	---	---
05/31	19 05 03 52	52	2906	46	For	29		On	90	0	89	Closed	T8	Off	---	---	---	---
05/31	19 05 02 52	52	2974	46	For	29		On	90	0	89	Closed	T8	Off	---	---	---	---
05/31	19 05 01 52	52	3042	46	For	29		On	90	0	89	Closed	T8	Off	---	---	---	---

C-X43525

Locomotive 160 (CSX)
 Recorder 0
 Start Time May 23 2001 03 00 00
 End Time Jun 01 2001 07 27 45

DATA TABLE
 Wheel Size 40 60
 Recorder Type IFC-CSX

Printed on Nov 05 2007 13 40 24
 WRE Recorder Data Analysis Software
 WPN 17561 Version 3 6 3 0
 Filename 0102067 DAT

Date	Time	Distance		Speed mph	DOT	Trac Effort kibs	Hom 0123456789	Bell	AB psi	IB psi	EOT psi	PCS Open	Throttle Notch	Dyn Brake	ECP Message	ECP EOT psi	ECP TBC %	Oper Brk %
		miles	feet															
05/31	19 05 00 52	3110	46		For	27	1111	On	90	0	89	Closed	T8	Off	--	--	--	--
05/31	19 04 59 52	3177	46		For	26	11111111	On	90	0	89	Closed	T8	Off	--	--	--	--
05/31	19 04 58 52	3245	46		For	24	11111111	On	90	0	89	Closed	T8	Off	--	--	--	--
05/31	19 04 57 52	3313	46		For	23	1111111111	On	90	0	89	Closed	T8	Off	--	--	--	--
05/31	19 04 56 52	3381	46		For	21	1111111111	On	90	0	89	Closed	T8	Off	--	--	--	--
05/31	19 04 55 52	3449	46		For	20	1111111111	On	90	0	89	Closed	T8	Off	--	--	--	--
05/31	19 04 54 52	3517	46		For	18	1111111111	On	90	0	89	Closed	T8	Off	--	--	--	--
05/31	19 04 53 52	3586	46		For	17	11	On	90	0	89	Closed	T8	Off	--	--	--	--
05/31	19 04 52 52	3654	46		For	16		On	90	0	89	Closed	T8	Off	--	--	--	--
05/31	19 04 51 52	3722	46		For	15	1111	On	90	0	89	Closed	T8	Off	--	--	--	--
05/31	19 04 50 52	3790	46		For	15	1111111111	On	90	0	89	Closed	T8	Off	--	--	--	--
05/31	19 04 49 52	3859	46		For	15	111	On	90	0	89	Closed	T8	Off	--	--	--	--
05/31	19 04 48 52	3928	46		For	11		On	90	0	89	Closed	T5	Off	--	--	--	--
05/31	19 04 47 52	3996	46		For	11		On	90	0	89	Closed	T5	Off	--	--	--	--
05/31	19 04 46 52	4065	46		For	11		On	90	0	89	Closed	T5	Off	--	--	--	--
05/31	19 04 45 52	4133	46		For	11		On	90	0	89	Closed	T5	Off	--	--	--	--
05/31	19 04 44 52	4202	46		For	11		On	90	0	89	Closed	T5	Off	--	--	--	--
05/31	19 04 43 52	4270	46		For	11		On	90	0	89	Closed	T5	Off	--	--	--	--
05/31	19 04 42 52	4339	47		For	11		On	90	0	89	Closed	T5	Off	--	--	--	--
05/31	19 04 41 52	4408	47		For	11	111111	On	90	0	89	Closed	T5	Off	--	--	--	--
05/31	19 04 40 52	4477	47		For	10	1111111111	On	90	0	89	Closed	T5	Off	--	--	--	--
05/31	19 04 39 52	4547	48		For	10	111	Off	90	0	89	Closed	T5	Off	--	--	--	--
05/31	19 04 38 52	4618	48		For	2		Off	90	0	89	Closed	T5	Off	--	--	--	--
05/31	19 04 37 52	4689	48		For	2		Off	90	0	89	Closed	T5	Off	--	--	--	--
05/31	19 04 36 52	4759	48		For	2		Off	90	0	89	Closed	T5	Off	--	--	--	--
05/31	19 04 35 52	4830	48		For	2		Off	90	0	89	Closed	T5	Off	--	--	--	--
05/31	19 04 34 52	4901	48		For	2		Off	90	0	89	Closed	T5	Off	--	--	--	--
05/31	19 04 33 52	4971	48		For	2		Off	90	0	89	Closed	T5	Off	--	--	--	--
05/31	19 04 32 52	5042	48		For	2		Off	90	0	89	Closed	T5	Off	--	--	--	--
05/31	19 04 31 52	5113	48		For	2		Off	90	0	89	Closed	T5	Off	--	--	--	--
05/31	19 04 30 52	5183	48		For	2		Off	90	0	89	Closed	T5	Off	--	--	--	--
05/31	19 04 29 52	5255	48		For	2		Off	90	0	89	Closed	T5	Off	--	--	--	--
05/31	19 04 28 53	45	48		For	2		Off	90	0	89	Closed	T5	Off	--	--	--	--
05/31	19 04 27 53	116	48		For	2		Off	90	0	89	Closed	T5	Off	--	--	--	--
05/31	19 04 26 53	187	48		For	2		Off	90	0	89	Closed	T5	Off	--	--	--	--
05/31	19 04 25 53	257	48		For	2		Off	90	0	89	Closed	T5	Off	--	--	--	--
05/31	19 04 24 53	328	48		For	2		Off	90	0	89	Closed	T5	Off	--	--	--	--
05/31	19 04 23 53	399	48		For	2		Off	90	0	89	Closed	T5	Off	--	--	--	--
05/31	19 04 22 53	469	48		For	2		Off	90	0	89	Closed	T5	Off	--	--	--	--
05/31	19 04 21 53	540	48		For	2		Off	90	0	89	Closed	T5	Off	--	--	--	--
05/31	19 04 20 53	611	48		For	2		Off	90	0	89	Closed	T5	Off	--	--	--	--
05/31	19 04 19 53	682	48		For	2		Off	90	0	89	Closed	T5	Off	--	--	--	--

CY43526

ROA - 1519

Locomotive 160 (CSX)
 Recorder 0
 Start Time May 23 2001 03 00.00
 End Time Jun 01, 2001 07 27 45

DATA TABLE
 Wheel Size 40 60
 Recorder Type IFC-CSX

Printed on Nov 05 2007 13 40 21
 WRE Recorder Data Analysis Software
 WPN 17561 Version 3 6 3 0
 Filename 0102067 DAT

Date	Time	Distance miles	Speed feet mph	DOT	Trac Effort Klbs	Hom	Bell	AB	IB	EOT	PCS	Throttle	Dyn	ECP	ECP	ECP	Oper
						0123456789		psi	psi	psi	Open	Notch	Brake	Message	psi	%	%
05/31	19 04 18 53	753	48	For 2			Off	90	0	89	Closed	T5	Off	---	---	---	---
05/31	19 04 17 53	823	48	For 2			Off	90	0	89	Closed	T5	Off	---	---	---	---
05/31	19 04 16 53	894	48	For 2			Off	90	0	89	Closed	T5	Off	---	---	---	---
05/31	19 04 15 53	965	48	For 2			Off	90	0	89	Closed	T5	Off	---	---	---	---
05/31	19 04 14 53	1035	48	For 2			Off	90	0	89	Closed	T5	Off	---	---	---	---
05/31	19 04 13 53	1106	48	For 2			Off	90	0	89	Closed	T5	Off	---	---	---	---
05/31	19 04 12 53	1177	48	For 2			Off	90	0	89	Closed	T5	Off	---	---	---	---
05/31	19 04 11 53	1249	48	For 1			Off	90	0	89	Closed	T4	Off	---	---	---	---
05/31	19 04 10 53	1320	48	For 1			Off	90	0	89	Closed	T4	Off	---	---	---	---
05/31	19 04 09 53	1391	48	For 1			Off	90	0	89	Closed	T4	Off	---	---	---	---
05/31	19 04 08 53	1462	48	For 0			Off	90	0	89	Closed	T3	Off	---	---	---	---
05/31	19 04 07 53	1534	48	For 0			Off	90	0	89	Closed	T2	Off	---	---	---	---
05/31	19 04 06 53	1606	48	For 0			Off	90	0	89	Closed	T2	Off	---	---	---	---
05/31	19 04 05 53	1677	49	For 0			Off	90	0	89	Closed	T1	Off	---	---	---	---
05/31	19 04 04 53	1750	49	For 5			Off	90	0	89	Closed	Idle	Off	---	---	---	---
05/31	19 04 03 53	1823	49	For 5			Off	90	0	89	Closed	Idle	Off	---	---	---	---
05/31	19 04 02 53	1896	49	For 5			Off	90	0	89	Closed	Idle	Off	---	---	---	---
05/31	19 04 01 53	1968	49	For 5			Off	90	0	89	Closed	Idle	Off	---	---	---	---
05/31	19 04 00 53	2041	49	For 5			Off	90	0	89	Closed	Idle	Off	---	---	---	---
05/31	19 03 59 53	2114	49	For 5			Off	90	0	89	Closed	Idle	Off	---	---	---	---
05/31	19 03 58 53	2187	49	For 5			Off	90	0	89	Closed	Idle	Off	---	---	---	---
05/31	19 03 57 53	2259	49	For 5			Off	90	0	89	Closed	Idle	Off	---	---	---	---
05/31	19 03 56 53	2332	49	For 5			Off	90	0	89	Closed	Idle	Off	---	---	---	---
05/31	19 03 55 53	2404	49	For 5			Off	90	0	89	Closed	Idle	Off	---	---	---	---
05/31	19 03 54 53	2477	49	For 5			Off	90	0	89	Closed	Idle	Off	---	---	---	---
05/31	19 03 53 53	2550	49	For 5			Off	90	0	89	Closed	Idle	Off	---	---	---	---
05/31	19 03 52 53	2622	49	For 5			Off	90	0	89	Closed	Idle	Off	---	---	---	---
05/31	19 03 51 53	2695	49	For 5			Off	90	0	89	Closed	Idle	Off	---	---	---	---
05/31	19 03 50 53	2767	49	For 5			Off	90	0	89	Closed	Idle	Off	---	---	---	---
05/31	19 03 49 53	2840	49	For 5			Off	90	0	89	Closed	Idle	Off	---	---	---	---
05/31	19 03 48 53	2913	49	For 5			Off	90	0	89	Closed	Idle	Off	---	---	---	---
05/31	19 03 47 53	2986	49	For 5			Off	90	0	89	Closed	Idle	Off	---	---	---	---
05/31	19 03 46 53	3058	49	For 5			Off	90	0	89	Closed	Idle	Off	---	---	---	---
05/31	19 03 45 53	3131	49	For 5			Off	90	0	89	Closed	Idle	Off	---	---	---	---
05/31	19 03 44 53	3204	49	For 5			Off	90	0	89	Closed	Idle	Off	---	---	---	---
05/31	19 03 43 53	3276	49	For 5			Off	90	0	89	Closed	Idle	Off	---	---	---	---
05/31	19 03 42 53	3349	49	For 13			Off	90	0	89	Closed	Off	Setup	---	---	---	---
05/31	19 03 41 53	3422	49	For 13			Off	90	0	89	Closed	Off	Setup	---	---	---	---
05/31	19 03 40 53	3494	49	For 13			Off	90	0	89	Closed	Off	Setup	---	---	---	---
05/31	19 03 39 53	3567	49	For 13			Off	90	0	89	Closed	Off	Setup	---	---	---	---
05/31	19 03 38 53	3640	49	For 13			Off	90	0	89	Closed	Off	Setup	---	---	---	---
05/31	19 03 37 53	3713	49	For 13			Off	90	0	89	Closed	Off	Setup	---	---	---	---

CSX 43527

DATA TABLE

Printed on Nov 05 2007 13 40 21

Locomotive 160 (CSX)
Recorder 0
Start Time May 23 2001 03 00 00
End Time Jun 01 2001 07 27 45

Wheel Size 40 80
Recorder Type IFC-CSX

WRE Recorder Data Analysis Software
WPN 17561 Version 3 6 3 0
Filename 0102067 DAT

Date	Time	Distance miles	Speed feet mph	DOT	Trac Effort kibs	Horn	Bell	AB	IB	EOT	PCS	Throttle	Dyn	ECP Message	ECP EOT	ECP TBC	Oper Brk
						0123456789		psi	psi	psi	Open	Notch	Brake		psi	%	%
05/31	19 03 36 53	3785	49	For	13		Off	90	0	89	Closed	Off	Setup	--	--	--	--
05/31	19 03 35 53	3858	49	For	10		Off	90	0	89	Closed	Off	D3	--	--	--	--
05/31	19 03 34 53	3931	49	For	10		Off	90	0	89	Closed	Off	D3	--	--	--	--
05/31	19 03 33 53	4004	49	For	10		Off	90	0	89	Closed	Off	D3	--	--	--	--
05/31	19 03 32 53	4076	49	For	10		Off	90	0	89	Closed	Off	D3	--	--	--	--
05/31	19 03 31 53	4149	49	For	10		Off	90	0	89	Closed	Off	D3	--	--	--	--
05/31	19 03 30 53	4222	49	For	10		Off	90	0	89	Closed	Off	D3	--	--	--	--
05/31	19 03 29 53	4295	49	For	10		Off	90	0	89	Closed	Off	D3	--	--	--	--
05/31	19 03 28 53	4367	49	For	10		Off	90	0	89	Closed	Off	D3	--	--	--	--
05/31	19 03 27 53	4440	49	For	10		Off	90	0	89	Closed	Off	D3	--	--	--	--
05/31	19 03 26 53	4513	49	For	10		Off	90	0	89	Closed	Off	D3	--	--	--	--
05/31	19 03 25 53	4588	49	For	10		Off	90	0	89	Closed	Off	D3	--	--	--	--
05/31	19 03 24 53	4658	49	For	10		Off	90	0	89	Closed	Off	D3	--	--	--	--
05/31	19 03 23 53	4731	49	For	10		Off	90	0	89	Closed	Off	D3	--	--	--	--
05/31	19 03 22 53	4804	49	For	10		Off	90	0	89	Closed	Off	D3	--	--	--	--
05/31	19 03 21 53	4877	49	For	10		Off	90	0	89	Closed	Off	D3	--	--	--	--
05/31	19 03 20 53	4949	49	For	10		Off	90	0	89	Closed	Off	D3	--	--	--	--
05/31	19 03 19 53	5022	49	For	10		Off	90	0	89	Closed	Off	D3	--	--	--	--
05/31	19 03 18 53	5095	49	For	10		Off	90	0	89	Closed	Off	D3	--	--	--	--
05/31	19 03 17 53	5168	49	For	10		Off	90	0	89	Closed	Off	D3	--	--	--	--
05/31	19 03 16 53	5240	49	For	10		Off	90	0	89	Closed	Off	D3	--	--	--	--
05/31	19 03 15 54	33	49	For	10		Off	90	0	89	Closed	Off	D3	--	--	--	--
05/31	19 03 14 54	106	49	For	10		Off	90	0	89	Closed	Off	D3	--	--	--	--
05/31	19 03 13 54	179	49	For	10		Off	90	0	89	Closed	Off	D3	--	--	--	--
05/31	19 03 12 54	251	49	For	10		Off	90	0	89	Closed	Off	D3	--	--	--	--
05/31	19 03 11 54	323	49	For	10		Off	90	0	89	Closed	Off	D2	--	--	--	--
05/31	19 03 10 54	396	49	For	10		Off	90	0	89	Closed	Off	D1	--	--	--	--
05/31	19 03 09 54	468	49	For	10		Off	90	0	89	Closed	Off	D1	--	--	--	--
05/31	19 03 08 54	541	49	For	10		Off	90	0	89	Closed	Off	D1	--	--	--	--
05/31	19 03 07 54	613	49	For	10		Off	90	0	89	Closed	Off	D1	--	--	--	--
05/31	19 03 06 54	686	48	For	10		Off	90	0	89	Closed	Off	D1	--	--	--	--
05/31	19 03 05 54	758	48	For	10		On	90	0	89	Closed	Off	D1	--	--	--	--
05/31	19 03 04 54	830	48	For	10		On	90	0	89	Closed	Off	D1	--	--	--	--
05/31	19 03 03 54	902	48	For	10		On	90	0	89	Closed	Off	D1	--	--	--	--
05/31	19 03 02 54	974	48	For	10		On	90	0	89	Closed	Off	D1	--	--	--	--
05/31	19 03 01 54	1046	48	For	10		On	90	0	89	Closed	Off	D1	--	--	--	--
05/31	19 03 00 54	1117	48	For	10		On	90	0	89	Closed	Off	D1	--	--	--	--
05/31	19 02 59 54	1190	48	For	10		On	90	0	89	Closed	Off	D1	--	--	--	--
05/31	19 02 58 54	1261	48	For	10		On	90	0	89	Closed	Off	D1	--	--	--	--
05/31	19 02 57 54	1333	48	For	10		On	90	0	89	Closed	Off	D1	--	--	--	--
05/31	19 02 56 54	1404	48	For	10	11111	On	90	0	89	Closed	Off	D1	--	--	--	--
05/31	19 02 55 54	1475	48	For	10	1111111111	On	90	0	89	Closed	Off	D1	--	--	--	--

CY43528

Locomotive 180 (CSX)
 Recorder 0
 Start Time May 23, 2001 03 00 00
 End Time Jun 01 2001 07 27 45

DATA TABLE
 Wheel Size 40 60
 Recorder Type IFC-CSX

Printed on Nov 05 2007 13 40 2
 WRE Recorder Data Analysis Software
 WPN 17561 Version 3 6 3 0
 Filename 0102067 DAT

Date	Time	Distance miles	Speed feet mph	DOT	Trac Effort kibs	Hom	Bell	AB	IB	EOT	PCS	Throttle	Dyn	ECP Message	ECP EOT	ECP TBC	Oper Brk
								psi	psi	psi	Open	Notch	Brake		psi	%	%
05/31	19 02:54	54	1546 48	For 10		11	On	90	0	89	Closed	Off	D1	---	---	---	
05/31	19 02:53	54	1617 48	For 10	1111		On	90	0	89	Closed	Off	D1	---	---	---	
05/31	19 02:52	54	1688 48	For 10		11111	On	90	0	89	Closed	Off	D1	---	---	---	
05/31	19 02:51	54	1758 48	For 13			On	90	0	89	Closed	Off	D1	---	---	---	
05/31	19 02:50	54	1829 47	For 13			On	90	0	89	Closed	Off	D1	---	---	---	
05/31	19 02:49	54	1900 47	For 20			On	90	0	89	Closed	Off	D3	---	---	---	
05/31	19 02:48	54	1970 47	For 20			On	90	0	89	Closed	Off	D3	---	---	---	
05/31	19 02:47	54	2040 47	For 20			On	90	0	89	Closed	Off	D3	---	---	---	
05/31	19 02:46	54	2110 47	For 20	1111111111		On	90	0	89	Closed	Off	D3	---	---	---	
05/31	19 02:45	54	2180 47	For 20	1111111111		On	90	0	89	Closed	Off	D3	---	---	---	
05/31	19 02:44	54	2250 47	For 23			On	90	0	89	Closed	Off	D3	---	---	---	
05/31	19 02:43	54	2320 47	For 23			On	90	0	89	Closed	Off	D3	---	---	---	
05/31	19 02:42	54	2390 47	For 23			On	90	0	89	Closed	Off	D3	---	---	---	
05/31	19 02:41	54	2460 47	For 23			On	90	0	89	Closed	Off	D3	---	---	---	
05/31	19 02:40	54	2529 47	For 23			On	90	0	89	Closed	Off	D3	---	---	---	
05/31	19 02:39	54	2599 47	For 29			On	90	0	89	Closed	Off	D4	---	---	---	
05/31	19 02:38	54	2669 47	For 34			On	90	0	89	Closed	Off	D5	---	---	---	
05/31	19 02:37	54	2738 47	For 34			On	90	0	89	Closed	Off	D5	---	---	---	
05/31	19 02:36	54	2808 47	For 44			On	90	0	89	Closed	Off	D6	---	---	---	
05/31	19 02:35	54	2877 47	For 45	1		On	90	0	89	Closed	Off	D8	---	---	---	
05/31	19 02:34	54	2947 47	For 45	1111111111		On	90	0	89	Closed	Off	D8	---	---	---	
05/31	19 02:33	54	3017 47	For 45	1111111111		On	90	0	89	Closed	Off	D8	---	---	---	
05/31	19 02:32	54	3087 47	For 45	1111		On	90	0	89	Closed	Off	D8	---	---	---	
05/31	19 02:31	54	3158 47	For 43			On	90	0	89	Closed	Off	D8	---	---	---	
05/31	19 02:30	54	3228 47	For 43			On	90	0	89	Closed	Off	D8	---	---	---	
05/31	19 02:29	54	3298 47	For 43			On	90	0	89	Closed	Off	D8	---	---	---	
05/31	19 02:28	54	3369 47	For 43			On	90	0	89	Closed	Off	D8	---	---	---	
05/31	19 02:27	54	3439 48	For 43			On	90	0	89	Closed	Off	D8	---	---	---	
05/31	19 02:26	54	3510 48	For 43			On	90	0	89	Closed	Off	D7	---	---	---	
05/31	19 02:25	54	3582 48	For 43			On	90	0	89	Closed	Off	D7	---	---	---	
05/31	19 02:24	54	3653 48	For 43			On	90	0	89	Closed	Off	D7	---	---	---	
05/31	19 02:23	54	3724 48	For 43			On	90	0	89	Closed	Off	D7	---	---	---	
05/31	19 02:22	54	3794 47	For 43	11111		On	90	0	89	Closed	Off	D7	---	---	---	
05/31	19 02:21	54	3864 48	For 42	1111111111		On	90	0	89	Closed	Off	D7	---	---	---	
05/31	19 02:20	54	3935 48	For 40	111111		On	90	0	89	Closed	Off	D7	---	---	---	
05/31	19 02:19	54	4006 48	For 30			On	90	0	89	Closed	Off	D7	---	---	---	
05/31	19 02:18	54	4077 48	For 30			On	90	0	89	Closed	Off	D7	---	---	---	
05/31	19 02:17	54	4149 48	For 22			On	90	0	89	Closed	Off	D5	---	---	---	
05/31	19 02:16	54	4220 48	For 22			On	90	0	89	Closed	Off	D5	---	---	---	
05/31	19 02:15	54	4291 48	For 16	1111111111		On	90	0	89	Closed	Off	D5	---	---	---	
05/31	19 02:14	54	4363 48	For 13	11111		On	90	0	89	Closed	Off	D4	---	---	---	
05/31	19 02:13	54	4435 48	For 12			On	90	0	89	Closed	Off	D4	---	---	---	

CSX43529

Locomotive 160 (CSX)
Recorder 0
Start Time May 23 2001 03 00.00
End Time Jun 01 2001 07 27 45

DATA TABLE
Wheel Size 40 60
Recorder Type IFC-CSX

Printed on Nov 05 2007 13 40 2.
WRE Recorder Data Analysis Software
WPN 17561 Version 3 6 3 0
Filename 0102067 DAT

Date	Time	Distance miles	Speed feet mph	DOT	Trac Effort kths	Horn	Bell	AB psi	IB psi	EOT psi	PCS Open	Throttle Notch	Dyn Brake	ECP Message	ECP EOT psi	ECP TBC %	Oper Brk %
05/31	19 02 12 54	4508	48	For	13		On	90	0	89	Closed	Off	D2	—	—	—	—
05/31	19 02 11 54	4578	48	For	13		On	90	0	89	Closed	Off	D2	—	—	—	—
05/31	19 02 10 54	4650	48	For	13		On	90	0	89	Closed	Off	D2	—	—	—	—
05/31	19 02 09 54	4722	48	For	13		On	90	0	89	Closed	Off	D2	—	—	—	—
05/31	19 02 08 54	4793	48	For	13		On	90	0	89	Closed	Off	D2	—	—	—	—
05/31	19 02 07 54	4865	48	For	13		On	90	0	89	Closed	Off	D2	—	—	—	—
05/31	19 02 06 54	4937	48	For	13		On	90	0	89	Closed	Off	D2	—	—	—	—
05/31	19 02 05 54	5008	48	For	10		On	90	0	89	Closed	Off	D3	—	—	—	—
05/31	19 02 04 54	5080	48	For	1		On	90	0	89	Closed	Off	D3	—	—	—	—
05/31	19 02 03 54	5152	48	For	1		On	90	0	89	Closed	Off	D3	—	—	—	—
05/31	19 02 02 54	5223	49	For	1		On	90	0	89	Closed	Off	D3	—	—	—	—
05/31	19 02 01 55	16	50	For	0	1111	On	90	0	89	Closed	Off	Setup	—	—	—	—
05/31	19 02 00 55	89	50	For	0	1111111111	On	90	0	89	Closed	Off	Setup	—	—	—	—
05/31	19 01 59 55	162	50	For	0		On	90	0	89	Closed	Off	Setup	—	—	—	—
05/31	19 01 58 55	236	50	For	0		On	90	0	89	Closed	Idle	Off	—	—	—	—
05/31	19 01 57 55	311	50	For	0	11111111	On	90	0	89	Closed	Idle	Off	—	—	—	—
05/31	19 01 56 55	385	50	For	0	11111111	On	90	0	89	Closed	Idle	Off	—	—	—	—
05/31	19 01 55 55	459	50	For	0		On	90	0	89	Closed	Idle	Off	—	—	—	—
05/31	19 01 54 55	533	50	For	0	111	On	90	0	89	Closed	Idle	Off	—	—	—	—
05/31	19 01 53 55	608	50	For	0	1111111111	On	90	0	89	Closed	T1	Off	—	—	—	—
05/31	19 01 52 55	682	50	For	2	1111	On	90	0	89	Closed	T1	Off	—	—	—	—
05/31	19 01 51 55	756	50	For	2		On	90	0	89	Closed	T2	Off	—	—	—	—
05/31	19 01 50 55	830	50	For	2		On	90	0	89	Closed	T2	Off	—	—	—	—
05/31	19 01 49 55	904	50	For	2	1111111111	On	90	0	89	Closed	T2	Off	—	—	—	—
05/31	19 01 48 55	977	50	For	2	11111111	On	90	0	89	Closed	T2	Off	—	—	—	—
05/31	19 01 47 55	1051	50	For	6		On	90	0	89	Closed	T2	Off	—	—	—	—
05/31	19 01 46 55	1125	50	For	6		On	90	0	89	Closed	T2	Off	—	—	—	—
05/31	19 01 45 55	1199	50	For	9		On	90	0	89	Closed	T3	Off	—	—	—	—
05/31	19 01 44 55	1272	50	For	9		On	90	0	89	Closed	T3	Off	—	—	—	—
05/31	19 01 43 55	1346	50	For	9		On	90	0	89	Closed	T3	Off	—	—	—	—
05/31	19 01 42 55	1420	50	For	9		On	90	0	89	Closed	T3	Off	—	—	—	—
05/31	19 01 41 55	1493	50	For	11		On	90	0	89	Closed	T4	Off	—	—	—	—
05/31	19 01 40 55	1566	50	For	14	1111	On	90	0	89	Closed	T4	Off	—	—	—	—
05/31	19 01 39 55	1640	50	For	16	1111111111	On	90	0	89	Closed	T5	Off	—	—	—	—
05/31	19 01 38 55	1713	50	For	18	1111111111	On	90	0	89	Closed	T5	Off	—	—	—	—
05/31	19 01 37 55	1786	50	For	22	1111111111	On	90	0	89	Closed	T6	Off	—	—	—	—
05/31	19 01 36 55	1860	49	For	23		Off	90	0	89	Closed	T6	Off	—	—	—	—
05/31	19 01 35 55	1933	49	For	29		Off	90	0	89	Closed	T7	Off	—	—	—	—
05/31	19 01 34 55	2005	49	For	29		Off	90	0	89	Closed	T7	Off	—	—	—	—
05/31	19 01 33 55	2077	49	For	29		Off	90	0	89	Closed	T7	Off	—	—	—	—
05/31	19 01 32 55	2150	49	For	29		Off	90	0	89	Closed	T7	Off	—	—	—	—
05/31	19 01 31 55	2222	49	For	29		Off	90	0	89	Closed	T7	Off	—	—	—	—

CV43530

ROA - 1523

Locomotive 160 (CSX)
 Recorder 0
 Start Time May 23 2001 03 00 00
 End Time Jun 01, 2001 07:27 45

DATA TABLE
 Wheel Size 40 60
 Recorder Type IFC-CSX

Printed on Nov 05 2007 13 40 2
 WRE Recorder Data Analysis Software
 WPN 17561 Version 3 6 3 0
 Filename 0102067 DAT

Date	Time	Distance miles	Speed feet mph	DOT	Trac Effort klbs	Horn	Bell	AB psi	IB psi	EOT psi	PCS Open	Throttle Notch	Dyn Brake	ECP Message	ECP EOT psi	ECP TBC %	Oper Brk %
05/31	19:01:30 55	2294	49	For	29		Off	90	0	89	Closed	T7	Off	--	--	--	--
05/31	19:01:29 55	2367	49	For	29		Off	90	0	89	Closed	T7	Off	--	--	--	--
05/31	19:01:28 55	2440	49	For	29		Off	90	0	89	Closed	T7	Off	--	--	--	--
05/31	19:01:27 55	2512	49	For	29		Off	90	0	89	Closed	T7	Off	--	--	--	--
05/31	19:01:26 55	2585	49	For	29		Off	90	0	89	Closed	T7	Off	--	--	--	--
05/31	19:01:25 55	2657	49	For	29		Off	90	0	89	Closed	T7	Off	--	--	--	--
05/31	19:01:24 55	2729	49	For	29		Off	90	0	89	Closed	T7	Off	--	--	--	--
05/31	19:01:23 55	2802	49	For	29		Off	90	0	89	Closed	T7	Off	--	--	--	--
05/31	19:01:22 55	2874	49	For	29		Off	90	0	89	Closed	T7	Off	--	--	--	--
05/31	19:01:21 55	2947	49	For	29		Off	90	0	89	Closed	T7	Off	--	--	--	--
05/31	19:01:20 55	3019	49	For	29		Off	90	0	89	Closed	T7	Off	--	--	--	--
05/31	19:01:19 55	3092	49	For	29		Off	90	0	89	Closed	T7	Off	--	--	--	--
05/31	19:01:18 55	3164	49	For	29		Off	90	0	89	Closed	T7	Off	--	--	--	--
05/31	19:01:17 55	3237	49	For	29		Off	90	0	89	Closed	T7	Off	--	--	--	--
05/31	19:01:16 55	3309	49	For	29		Off	90	0	89	Closed	T7	Off	--	--	--	--
05/31	19:01:15 55	3381	49	For	29		Off	90	0	89	Closed	T7	Off	--	--	--	--
05/31	19:01:14 55	3454	48	For	29		Off	90	0	89	Closed	T7	Off	--	--	--	--
05/31	19:01:13 55	3525	48	For	31		Off	90	0	89	Closed	T8	Off	--	--	--	--
05/31	19:01:12 55	3597	48	For	31		Off	90	0	89	Closed	T8	Off	--	--	--	--
05/31	19:01:11 55	3669	48	For	31		Off	90	0	89	Closed	T8	Off	--	--	--	--
05/31	19:01:10 55	3740	48	For	31		Off	90	0	89	Closed	T8	Off	--	--	--	--
05/31	19:01:09 55	3811	48	For	31	1111	On	90	0	89	Closed	T8	Off	--	--	--	--
05/31	19:01:08 55	3882	48	For	31	1111111111	On	90	0	89	Closed	T8	Off	--	--	--	--
05/31	19:01:07 55	3954	48	For	31	11111	On	90	0	89	Closed	T8	Off	--	--	--	--
05/31	19:01:06 55	4024	48	For	31		On	90	0	89	Closed	T8	Off	--	--	--	--
05/31	19:01:05 55	4095	48	For	31	1111111	On	90	0	89	Closed	T8	Off	--	--	--	--
05/31	19:01:04 55	4166	48	For	31	1111111111	On	90	0	89	Closed	T8	Off	--	--	--	--
05/31	19:01:03 55	4236	47	For	31	1	On	90	0	89	Closed	T8	Off	--	--	--	--
05/31	19:01:02 55	4307	47	For	30		On	90	0	89	Closed	T8	Off	--	--	--	--
05/31	19:01:01 55	4378	47	For	30		On	90	0	89	Closed	T8	Off	--	--	--	--
05/31	19:01:00 55	4448	47	For	30		On	90	0	89	Closed	T8	Off	--	--	--	--
05/31	19:00:59 55	4519	47	For	30		On	90	0	89	Closed	T8	Off	--	--	--	--
05/31	19:00:58 55	4589	47	For	29	1111111111	On	90	0	89	Closed	T8	Off	--	--	--	--
05/31	19:00:57 55	4659	47	For	27	1111111111	On	90	0	89	Closed	T8	Off	--	--	--	--
05/31	19:00:56 55	4729	47	For	26	11	On	90	0	89	Closed	T8	Off	--	--	--	--
05/31	19:00:55 55	4799	47	For	20		On	90	0	89	Closed	T8	Off	--	--	--	--
05/31	19:00:54 55	4869	47	For	20		On	90	0	89	Closed	T8	Off	--	--	--	--
05/31	19:00:53 55	4939	47	For	20		On	90	0	89	Closed	T8	Off	--	--	--	--
05/31	19:00:52 55	5010	47	For	20		On	90	0	89	Closed	T8	Off	--	--	--	--
05/31	19:00:51 55	5080	47	For	20		On	90	0	89	Closed	T8	Off	--	--	--	--
05/31	19:00:50 55	5150	47	For	20		On	90	0	89	Closed	T8	Off	--	--	--	--
05/31	19:00:49 55	5220	47	For	20	1111111111	On	90	0	89	Closed	T8	Off	--	--	--	--

CSX43531

DATA TABLE

Printed on Nov 05 2007 15:40:2

Locomotive 160 (CSX)
 Recorder 0
 Start Time May 23, 2001 03:00:00
 End Time Jun 01, 2001 07:27:45

Wheel Size 40.60
 Recorder Type IFC-CSX

WRE Recorder Data Analysis Software
 WPN 17561 Version 3.6.3.0
 Filename 0102067.DAT

Date	Time	Distance miles	Speed feet mph	DOT	Trac Effort klbs	Hom	Bell	AB psi	IS psi	EOT psi	PCS Open	Throttle Notch	Dyn Brake	ECP Message	ECP EOT psi	ECP TBC %	Oper Brk %
05/31	19:00:48:56	56	10	47	For 20	1111111111	On	90	0	89	Closed	T6	Off	---	---	---	---
05/31	19:00:47:56	56	79	47	For 20	111111	On	90	0	89	Closed	T6	Off	---	---	---	---
05/31	19:00:46:56	56	149	47	For 19		On	90	0	89	Closed	T6	Off	---	---	---	---
05/31	19:00:45:56	56	220	47	For 19		On	90	0	89	Closed	T6	Off	---	---	---	---
05/31	19:00:44:56	56	290	47	For 19		On	90	0	89	Closed	T6	Off	---	---	---	---
05/31	19:00:43:56	56	359	47	For 20	11111111	On	90	0	89	Closed	T6	Off	---	---	---	---
05/31	19:00:42:56	56	430	47	For 20	1111111111	On	90	0	89	Closed	T6	Off	---	---	---	---
05/31	19:00:41:56	56	500	47	For 20	111111	On	90	0	89	Closed	T6	Off	---	---	---	---
05/31	19:00:40:56	56	570	47	For 20		On	90	0	89	Closed	T6	Off	---	---	---	---
05/31	19:00:39:56	56	640	47	For 20	11	On	90	0	89	Closed	T6	Off	---	---	---	---
05/31	19:00:38:56	56	710	48	For 20	1111111111	On	90	0	89	Closed	T6	Off	---	---	---	---
05/31	19:00:37:56	56	781	48	For 20	111111	On	90	0	89	Closed	T6	Off	---	---	---	---
05/31	19:00:36:56	56	852	48	For 20		On	90	0	89	Closed	T6	Off	---	---	---	---
05/31	19:00:35:56	56	923	48	For 20		On	90	0	89	Closed	T6	Off	---	---	---	---
05/31	19:00:34:56	56	993	48	For 20		On	90	0	89	Closed	T6	Off	---	---	---	---
05/31	19:00:33:56	56	1064	48	For 20	1	On	90	0	89	Closed	T6	Off	---	---	---	---
05/31	19:00:32:56	56	1135	48	For 20	1111111111	On	90	0	89	Closed	T6	Off	---	---	---	---
05/31	19:00:31:56	56	1207	48	For 21	11111	On	90	0	89	Closed	T6	Off	---	---	---	---
05/31	19:00:30:56	56	1278	48	For 23		On	90	0	89	Closed	T6	Off	---	---	---	---
05/31	19:00:29:56	56	1349	48	For 31		On	90	0	89	Closed	T7	Off	---	---	---	---
05/31	19:00:28:56	56	1421	48	For 31		On	90	0	89	Closed	T7	Off	---	---	---	---
05/31	19:00:27:56	56	1493	48	For 31		On	90	0	89	Closed	T7	Off	---	---	---	---
05/31	19:00:26:56	56	1565	48	For 31		On	90	0	89	Closed	T8	Off	---	---	---	---
05/31	19:00:25:56	56	1637	48	For 31		On	90	0	89	Closed	T8	Off	---	---	---	---
05/31	19:00:24:56	56	1709	48	For 31		On	90	0	89	Closed	T8	Off	---	---	---	---
05/31	19:00:23:56	56	1781	48	For 31		On	90	0	89	Closed	T8	Off	---	---	---	---
05/31	19:00:22:56	56	1852	49	For 31	11111111	On	90	0	89	Closed	T8	Off	---	---	---	---
05/31	19:00:21:56	56	1925	49	For 31	11111111	On	90	0	89	Closed	T8	Off	---	---	---	---
05/31	19:00:20:56	56	1997	49	For 30		Off	90	0	89	Closed	T8	Off	---	---	---	---
05/31	19:00:19:56	56	2070	49	For 30		Off	90	0	89	Closed	T8	Off	---	---	---	---
05/31	19:00:18:56	56	2142	49	For 30		Off	90	0	89	Closed	T8	Off	---	---	---	---
05/31	19:00:17:56	56	2215	49	For 30		Off	90	0	89	Closed	T8	Off	---	---	---	---
05/31	19:00:16:56	56	2288	49	For 30		Off	90	0	89	Closed	T8	Off	---	---	---	---
05/31	19:00:15:56	56	2360	49	For 30		Off	90	0	89	Closed	T8	Off	---	---	---	---
05/31	19:00:14:56	56	2433	49	For 30		Off	90	0	89	Closed	T8	Off	---	---	---	---
05/31	19:00:13:56	56	2505	49	For 30		Off	90	0	89	Closed	T8	Off	---	---	---	---
05/31	19:00:12:56	56	2578	49	For 30		Off	90	0	89	Closed	T8	Off	---	---	---	---
05/31	19:00:11:56	56	2650	49	For 30		Off	90	0	89	Closed	T8	Off	---	---	---	---
05/31	19:00:10:56	56	2723	49	For 30		Off	90	0	89	Closed	T8	Off	---	---	---	---
05/31	19:00:09:56	56	2796	49	For 30		Off	90	0	89	Closed	T8	Off	---	---	---	---
05/31	19:00:08:56	56	2868	49	For 30		Off	90	0	89	Closed	T8	Off	---	---	---	---
05/31	19:00:07:56	56	2941	49	For 30		Off	90	0	89	Closed	T8	Off	---	---	---	---

CSX43532

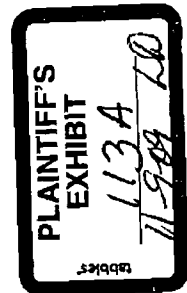
DATA TABLE

Locomotive 160 (CSX)
Recorder 0
Start Time May 23 2001 03 00 00
End Time Jun 01 2001 07 27 45

Wheel Size 40 60
Recorder Type IFC-CSX

WRE Recorder Data Analysis Software
WPN 17561 Version 3 6 3 0
Filename 0102057 DAT

Date	Time	Distance		Speed	DOT	Trac Effort	Horn	Bell	AB	IB	EOT	PCS	Throttle	Dyn	ECP	ECP	ECP	Oper
		miles	feet	mph		kibs									Message	psi	%	%
05/31	19 21 06 52	833	0	For	0			Off	68	71	0	Closed	Idle	Off				
05/31	19 21 05 52	833	0	For	0			Off	68	71	0	Closed	Idle	Off	-			
05/31	19 21 04 52	833	0	For	0			Off	68	71	0	Closed	Idle	Off	-			
05/31	19 21 03 52	833	0	For	0			Off	68	71	0	Closed	Idle	Off	-			
05/31	19 21 02 52	833	0	For	0			Off	68	71	0	Closed	Idle	Off	-			
05/31	19 21 01 52	833	0	For	0			Off	68	71	0	Closed	Idle	Off	-			
05/31	19 21 00 52	833	0	For	0			Off	68	71	0	Closed	Idle	Off	-			
05/31	19 20 59 52	833	0	For	0			Off	68	71	0	Closed	Idle	Off	-			
05/31	19 20 58 52	833	0	For	0			Off	68	71	0	Closed	Idle	Off	-			
05/31	19 20 57 52	833	0	For	0			Off	68	71	0	Closed	Idle	Off	-			
05/31	19 20 56 52	833	0	For	0			Off	68	71	0	Closed	Idle	Off	-			
05/31	19 20 55 52	833	0	For	0			Off	68	71	0	Closed	Idle	Off	-			
05/31	19 20 54 52	833	0	For	0			Off	68	71	0	Closed	Idle	Off	-			
05/31	19 20 53 52	833	0	For	0			Off	68	71	0	Closed	Idle	Off	-			
05/31	19 20 52 52	833	0	For	0			Off	68	71	0	Closed	Idle	Off	-			
05/31	19 20 51 52	833	0	For	0			Off	68	71	0	Closed	Idle	Off	-			
05/31	19 20 50 52	833	0	For	0			Off	68	71	0	Closed	Idle	Off	-			
05/31	19 20 49 52	833	0	For	0			Off	68	71	0	Closed	Idle	Off	-			
05/31	19 20 48 52	833	0	For	0			Off	68	71	0	Closed	Idle	Off	-			
05/31	19 20 47 52	833	0	For	0			Off	68	71	0	Closed	Idle	Off	-			
05/31	19 20 46 52	833	0	For	0			Off	68	71	0	Closed	Idle	Off	-			
05/31	19 20 45 52	833	0	For	0			Off	68	71	0	Closed	Idle	Off	-			
05/31	19 20 44 52	833	0	For	0			Off	68	71	0	Closed	Idle	Off	-			
05/31	19 20 43 52	833	0	For	0			Off	68	70	0	Closed	Idle	Off	-			
05/31	19 20 42 52	833	0	For	0			Off	68	66	0	Closed	Idle	Off	-			
05/31	19 20 41 52	833	0	For	0			Off	68	61	0	Closed	Idle	Off	-			
05/31	19 20 40 52	833	0	For	0			Off	68	57	0	Closed	Idle	Off	-			
05/31	19 20 39 52	833	0	For	0			Off	68	47	0	Closed	Idle	Off	-			
05/31	19 20 38 52	833	0	For	0			Off	68	27	0	Closed	Idle	Off	-			
05/31	19 20 37 52	834	0	For	0			Off	69	20	0	Closed	Idle	Off	-			
05/31	19 20 36 52	834	0	For	0			Off	69	20	0	Closed	Idle	Off	-			
05/31	19 20 35 52	834	0	For	0			Off	69	20	0	Closed	Idle	Off	-			
05/31	19 20 34 52	835	0	For	0			Off	69	21	0	Closed	Idle	Off	-			
05/31	19 20 33 52	837	0	For	0			Off	69	21	0	Closed	Idle	Off	-			
05/31	19 20 32 52	838	0	For	0			Off	69	21	0	Closed	Idle	Off	-			
05/31	19 20 31 52	839	0	For	0			Off	69	21	0	Closed	Idle	Off	-			
05/31	19 20 30 52	840	2	For	0			Off	69	21	0	Closed	Idle	Off	-			
05/31	19 20 29 52	845	2	For	0			Off	72	20	0	Closed	Idle	Off	-			
05/31	19 20 28 52	849	2	For	0			Off	72	20	0	Closed	Idle	Off	-			
05/31	19 20 27 52	854	2	For	0			Off	72	20	0	Closed	Idle	Off	-			
05/31	19 20 26 52	858	3	For	0			Off	72	20	0	Closed	Idle	Off	-			
05/31	19 20 25 52	863	3	For	0			Off	72	18	0	Closed	Idle	Off	-			



CSX 44002

DATA TABLE

Locomotive 160 (CSX)
 Recorder 0
 Start Time May 23 2001 03 00 00
 End Time Jun 01 2001 07 27 45

Wheel Size 40 60
 Recorder Type IFC-CSX

WRE Recorder Data Analysis Software
 WPN 17561 Version 3 6 3 0
 Filename 0102067 DAT

Date	Time	Distance miles	Speed feet mph	DOT	Trac Effort kbs	Horn	Bell	AB	IB	EOT	PCS	Throttle	Dyn	ECP	ECP	ECP	Oper
						0123456789		psi	psi	psi	Open	Notch	Brake	Message	psi	%	%
05/31	19 20 24 52	869	3	For	0		Off	72	12	0	Closed	Idle	Off		--	-	--
05/31	19 20 23 52	875	3	For	0		Off	72	8	0	Closed	Idle	Off	-	--	--	--
05/31	19 20 22 52	881	4	For	0		Off	72	8	0	Closed	Idle	Off	--	--		--
05/31	19 20 21 52	887	4	For	0		Off	73	4	0	Closed	Idle	Off	--	--	-	--
05/31	19 20 20 52	895	4	For	0		Off	73	0	0	Closed	Idle	Off	--	--	--	--
05/31	19 20 19 52	902	5	For	0		Off	73	0	0	Closed	Idle	Off	--	--	--	--
05/31	19 20 18 52	910	5	For	7		Off	75	0	0	Closed	Idle	Off	--	--	--	--
05/31	19 20 17 52	918	5	For	7		Off	75	0	0	Closed	Idle	Off	--	-	--	--
05/31	19 20 16 52	926	5	For	7		Off	75	0	0	Closed	Idle	Off	--	--		--
05/31	19 20 15 52	935	6	For	35		Off	77	0	0	Closed	Idle	Off	--	--	--	--
05/31	19 20 14 52	944	6	For	42		Off	80	0	0	Closed	T3	Off	--	--	-	-
05/31	19 20 13 52	953	6	For	42		Off	80	0	0	Closed	T3	Off	-	-	-	--
05/31	19 20 12 52	963	5	For	41		Off	81	0	0	Closed	T4	Off	--	--	-	--
05/31	19 20 11 52	972	5	For	33		Off	81	0	0	Closed	T4	Off	--	-	-	--
05/31	19 20 10 52	980	5	For	33		Off	81	0	0	Closed	T4	Off	--	-	--	--
05/31	19 20 09 52	989	5	For	33		Off	81	0	0	Closed	T4	Off	--	-	--	--
05/31	19 20 08 52	997	5	For	33		Off	81	0	0	Closed	T4	Off	-	--	-	--
05/31	19 20 07 52	1005	5	For	33		Off	81	0	0	Closed	T4	Off	--	-	-	-
05/31	19 20 06 52	1014	5	For	33		Off	81	0	0	Closed	T4	Off	-	-	--	--
05/31	19 20 05 52	1022	5	For	33		Off	81	0	0	Closed	T4	Off	--	--	--	--
05/31	19 20 04 52	1030	5	For	33		Off	81	0	0	Closed	T4	Off	--	-	-	-
05/31	19 20 03 52	1039	5	For	33		Off	81	0	0	Closed	T4	Off	--	--	--	-
05/31	19 20 02 52	1047	4	For	33		Off	81	0	0	Closed	T4	Off	--	--	--	-
05/31	19 20 01 52	1053	4	For	34		Off	82	0	0	Closed	T3	Off	--	--	--	--
05/31	19 20 00 52	1059	3	For	34		Off	82	0	0	Closed	T3	Off	--	--	-	--
05/31	19 19 59 52	1065	3	For	36		Off	82	0	0	Closed	T2	Off	-	-	-	-
05/31	19 19 58 52	1071	3	For	29		Off	82	0	0	Closed	T2	Off	--	--	-	-
05/31	19 19 57 52	1077	3	For	29		Off	82	0	0	Closed	T2	Off	-	--	--	--
05/31	19 19 56 52	1082	3	For	23		Off	85	0	0	Closed	T2	Off	-	-	--	--
05/31	19 19 55 52	1087	3	For	15		Off	88	0	0	Closed	T2	Off	--	--	--	--
05/31	19 19 54 52	1092	3	For	15		Off	88	0	0	Closed	T2	Off	--	--		--
05/31	19 19 53 52	1097	2	For	15		Off	88	0	0	Closed	T2	Off	-	-	--	--
05/31	19 19 52 52	1101	2	For	21		Off	87	0	0	Closed	T1	Off	-	-	--	--
05/31	19 19 51 52	1105	2	For	29		Off	87	0	0	Closed	T1	Off	--	--	--	--
05/31	19 19 50 52	1109	2	For	27		Off	87	0	0	Closed	T2	Off	--	-		--
05/31	19 19 49 52	1114	2	For	27		Off	87	0	0	Closed	T2	Off	--	--	-	--
05/31	19 19 48 52	1118	2	For	27		Off	87	0	0	Closed	T2	Off	--	--		--
05/31	19 19 47 52	1122	2	For	33		Off	87	0	0	Closed	T2	Off	--	--		--
05/31	19 19 46 52	1126	2	For	25		Off	87	0	0	Closed	T2	Off	--	--	--	--
05/31	19 19 45 52	1130	2	For	49		Off	87	0	0	Closed	T2	Off	-	--	-	--
05/31	19 19 44 52	1134	2	For	49		Off	87	0	0	Closed	T2	Off	--	--	-	--
05/31	19 19 43 52	1137	2	For	49		Off	87	0	0	Closed	T2	Off	--	--	--	--

CSX 44003

DATA TABLE

Locomotive 160 (CSX)
 Recorder 0
 Start Time May 23, 2001 03 00 00
 End Time Jun 01 2001 07 27 45

Wheel Size 40 60
 Recorder Type IFC-CSX

WRE Recorder Data Analysis Software
 WPN 17561 Version 3 6 3 0
 Filename 0102067 DAT

Date	Time	Distance miles	Speed feet mph	DOT	Trac Effort klbs	Horn	Bell	AB	IB	EOT	PCS	Throttle	Dyn	ECP	ECP	ECP	Oper
														Message	psi	%	%
05/31	19 19 42 52	1140	2	For	49		Off	87	0	0	Closed	T2	Off	--	--	--	--
05/31	19 19 41 52	1143	1	For	49		Off	87	0	0	Closed	T2	Off	--	--	--	--
05/31	19 19 40 52	1145	1	For	36		Off	87	0	0	Closed	T2	Off	--	--	--	--
05/31	19 19 39 52	1148	1	For	14		Off	87	0	0	Closed	T2	Off	--	--	--	--
05/31	19 19 38 52	1149	0	For	14		Off	87	0	0	Closed	T2	Off	--	--	--	--
05/31	19 19 37 52	1151	0	For	20		Off	87	0	0	Closed	T1	Off	--	--	--	--
05/31	19 19 36 52	1152	0	For	20		Off	87	0	0	Closed	T1	Off	--	--	--	--
05/31	19 19 35 52	1153	1	For	20		Off	87	0	0	Closed	T1	Off	--	--	--	--
05/31	19 19 34 52	1155	1	For	35		Off	87	1	0	Closed	T1	Off	--	--	--	--
05/31	19 19 33 52	1157	1	For	45		Off	87	9	0	Closed	T1	Off	--	--	--	--
05/31	19 19 32 52	1159	1	For	32		Off	87	9	0	Closed	T2	Off	--	--	--	--
05/31	19 19 31 52	1160	1	For	16		Off	87	10	0	Closed	T2	Off	--	--	--	--
05/31	19 19 30 52	1162	0	For	24		Off	86	27	0	Closed	T2	Off	--	--	--	--
05/31	19 19 29 52	1162	0	For	40		Off	86	17	0	Closed	T1	Off	--	--	--	--
05/31	19 19 28 52	1164	1	For	49		Off	86	9	0	Closed	T2	Off	--	--	--	--
05/31	19 19 27 52	1165	1	For	47		Off	86	15	0	Closed	T2	Off	--	--	--	--
05/31	19 19 26 52	1167	0	For	38		Off	86	25	0	Closed	T2	Off	--	--	--	--
05/31	19 19 25 52	1167	0	For	7		Off	86	36	0	Closed	T3	Off	--	--	--	--
05/31	19 19 24 52	1167	0	For	0		Off	86	33	0	Closed	T3	Off	--	--	--	--
05/31	19 19 23 52	1167	0	For	0		Off	86	45	0	Closed	T2	Off	--	--	--	--
05/31	19 19 22 52	1167	0	For	0		Off	86	63	0	Closed	Idle	Off	--	--	--	--
05/31	19 19 21 52	1167	0	For	0		Off	86	51	0	Closed	Idle	Off	--	--	--	--
05/31	19 19 20 52	1167	0	For	0		Off	86	26	0	Closed	Idle	Off	--	--	--	--
05/31	19 19 19 52	1167	0	For	0		Off	86	3	0	Closed	Idle	Off	--	--	--	--
05/31	19 19 18 52	1168	0	Rev	0		Off	86	0	0	Closed	Idle	Off	--	--	--	--
05/31	19 19 17 52	1168	0	Rev	0		Off	86	0	0	Closed	T1	Off	--	--	--	--
05/31	19 19 16 52	1169	0	Rev	0		Off	85	0	0	Closed	Idle	Off	--	--	--	--
05/31	19 19 15 52	1170	0	Rev	0		Off	85	0	0	Closed	Idle	Off	--	--	--	--
05/31	19 19 14 52	1172	0	Rev	0		Off	85	0	0	Closed	Idle	Off	--	--	--	--
05/31	19 19 13 52	1172	0	Rev	0		Off	85	0	0	Closed	Idle	Off	--	--	--	--
05/31	19 19 12 52	1173	0	Rev	21		Off	85	0	0	Closed	Idle	Off	--	--	--	--
05/31	19 19 11 52	1174	0	Rev	29		Off	85	0	0	Closed	Idle	Off	--	--	--	--
05/31	19 19 10 52	1175	0	Rev	0		Off	84	0	0	Closed	T3	Off	--	--	--	--
05/31	19 19 09 52	1176	0	Rev	0		Off	84	0	0	Closed	T3	Off	--	--	--	--
05/31	19 19 08 52	1177	0	Rev	0		Off	84	0	0	Closed	T3	Off	--	--	--	--
05/31	19 19 07 52	1178	0	Rev	0		Off	84	0	0	Closed	Idle	Off	--	--	--	--
05/31	19 19 06 52	1178	0	Rev	14		Off	84	0	0	Closed	Idle	Off	--	--	--	--
05/31	19 19 05 52	1178	0	Rev	29		Off	84	0	0	Closed	Idle	Off	--	--	--	--
05/31	19 19 04 52	1178	0	Rev	10		Off	84	0	0	Closed	T2	Off	--	--	--	--
05/31	19 19 03 52	1179	0	Rev	1		Off	84	0	0	Closed	T2	Off	--	--	--	--
05/31	19 19 02 52	1179	0	Rev	1		Off	84	0	0	Closed	T2	Off	--	--	--	--
05/31	19 19 01 52	1179	0	Rev	1		Off	84	0	0	Closed	T2	Off	--	--	--	--

CSX 44004

Locomotive 160 (CSX)
Recorder 0
Start Time May 23, 2001 03 00 00
End Time Jun 01 2001 07 27 45

WRE Recorder Data Analysis Software
WPN 17561 Version 3 6 3 0
Filename 0102067 DAT

		Distance		Speed	DOT	Effort	Horn	Bell	AB	IB	EOT	PCS	Throttle	Dyn	ECP	ECP	ECP	Oper
		miles	feet	mph		klbs	0123456789		psi	psi	psi	Open	Notch	Brake	Message	psi	%	%
Date	Time																	
05/31	19 19 00 52		1179 0		Rev	32		Off	84	0	0	Closed	Idle	Off	---	--	--	--
05/31	19 18 59 52		1179 0		Rev	33		Off	84	0	0	Closed	Idle	Off	---	-	--	--
05/31	19 18 58 52		1180 0		Rev	11		Off	83	0	0	Closed	T2	Off	-	-	-	--
05/31	19 18 57 52		1180 0		Rev	0		Off	82	0	0	Closed	T2	Off		---	---	
05/31	19 18 56 52		1181 0		Rev	0		Off	81	0	0	Closed	T1	Off	--	---	-	--
05/31	19 18 55 52		1181 0		Rev	0		Off	81	0	0	Closed	T1	Off		--	-	--
05/31	19 18 54 52		1181 0		Rev	10		Off	80	0	0	Closed	Idle	Off	-		-	
05/31	19 18 53 52		1181 0		Rev	31		Off	79	0	0	Closed	Idle	Off	--	--	--	-
05/31	19 18 52 52		1182 0		Rev	9		Off	78	0	0	Closed	T2	Off	--	--		--
05/31	19 18 51 52		1183 0		Rev	0		Off	77	0	0	Closed	T2	Off	--	--		--
05/31	19 18 50 52		1183 0		Rev	0		Off	75	0	0	Closed	T1	Off	-	---	--	
05/31	19 18 49 52		1183 0		Rev	0		Off	75	0	0	Closed	T1	Off	--	--	--	---
05/31	19 18 48 52		1183 0		Rev	0		Off	73	2	0	Closed	Idle	Off	---	-	-	--
05/31	19 18 47 52		1183 0		Rev	0		Off	73	2	0	Closed	Idle	Off	---	-	---	---
05/31	19 18 46 52		1183 0		Rev	0		Off	71	8	0	Closed	Idle	Off	---	--	-	--
05/31	19 18 45 52		1183 0		Rev	0		Off	70	20	0	Closed	Idle	Off	---	--	-	-
05/31	19 18 44 52		1183 0		Rev	0		Off	69	40	0	Closed	Idle	Off	-	---	---	--
05/31	19 18 43 52		1183 0		Rev	0		Off	67	62	0	Closed	Idle	Off	---	--	---	--
05/31	19 18 42 52		1183 0		Rev	0		Off	66	74	0	Closed	Idle	Off	--	---	---	--
05/31	19 18 41 52		1183 0		Rev	0		Off	64	77	0	Closed	Idle	Off	-	---	--	--
05/31	19 18 40 52		1183 0		Rev	0		Off	64	77	0	Closed	Idle	Off	-	---	-	--
05/31	19 18 39 52		1183 0		Rev	0		Off	64	77	0	Closed	Idle	Off	-	---	-	---
05/31	19 18 38 52		1183 0		Rev	0		Off	62	77	0	Closed	Idle	Off	---	-	--	--
05/31	19 18 37 52		1183 0		Rev	0		Off	62	77	0	Closed	Idle	Off	-		--	-
05/31	19 18 36 52		1183 0		Rev	0		Off	60	77	0	Closed	Idle	Off	-		-	---
05/31	19 18 35 52		1183 0		Rev	0		Off	58	77	0	Closed	Idle	Off	-	-	--	--
05/31	19 18 34 52		1183 0		Rev	0		Off	58	77	0	Closed	Idle	Off	---	-		-
05/31	19 18 33 52		1183 0		Rev	0		Off	56	77	0	Closed	Idle	Off	--	--	---	--
05/31	19 18 32 52		1183 0		Rev	0		Off	54	77	0	Closed	Idle	Off	-			--
05/31	19 18 31 52		1183 0		Rev	0		Off	52	77	0	Closed	Idle	Off	---		---	-
05/31	19 18 30 52		1183 0		Rev	0		Off	50	77	0	Closed	Idle	Off	---	---	--	-
05/31	19 18 29 52		1183 0		Rev	0		Off	47	77	0	Closed	Idle	Off	-	---	---	--
05/31	19 18 28 52		1183 0		Rev	0		Off	44	76	0	Closed	Idle	Off		-	-	---
05/31	19 18 27 52		1183 0		Rev	0		Off	42	76	0	Closed	Idle	Off		-	-	-
05/31	19 18 26 52		1183 0		Rev	0		Off	39	76	0	Closed	Idle	Off	--	-	---	
05/31	19 18 25 52		1183 0		Rev	0		Off	34	76	0	Closed	Idle	Off		-	-	---
05/31	19 18 24 52		1183 0		Rev	0		Off	26	76	0	Closed	Idle	Off	--	---	-	-
05/31	19 18 23 52		1183 0		Rev	0		Off	21	76	0	Closed	Idle	Off	--	--	-	-
05/31	19 18 22 52		1183 0		Rev	0		Off	14	76	0	Closed	Idle	Off	---		---	--
05/31	19 18 21 52		1183 0		For	0		Off	4	76	0	Closed	Idle	Off	-	---	---	---
05/31	19 18 20 52		1183 0		For	0		Off	0	76	0	Closed	Idle	Off	-	---	--	---
05/31	19 18 19 52		1183 0		For	0		Off	0	76	0	Closed	Idle	Off	--	-	---	-

CSX 44005

DATA TABLE

Locomotive 160 (CSX)
 Recorder 0
 Start Time May 23 2001 03 00 00
 End Time Jun 01 2001 07 27 45

Wheel Size 40 60
 Recorder Type IFC-CSX

WRE Recorder Data Analysis Software
 WPN 17561 Version 3 6 3 0
 Filename 0102067 DAT

Date	Time	Distance		Speed	DOT	Trac Effort	Horn	Bell	AB	IB	EOT	PCS	Throttle	Dyn	ECP Message	ECP EOT	ECP TBC	Oper Brk
		miles	feet	mph		kbs	0123456789		psi	psi	psi	Open	Notch	Brake		psi	%	%
05/31	19 18 18 52	1183	0	For	0			Off	0	76	0	Closed	Idle	Off	-	-	-	-
05/31	19 18 17 52	1183	0	For	0			Off	0	76	0	Closed	Idle	Off	-	-	-	-
05/31	19 18 16 52	1183	0	For	0			Off	0	76	0	Closed	Idle	Off	-	-	-	-
05/31	19 18 15 52	1183	0	For	0			Off	0	76	0	Closed	Idle	Off	-	-	-	-
05/31	19 18 14 52	1183	0	For	0			Off	0	76	0	Closed	Idle	Off	-	-	-	-
05/31	19 18 13 52	1183	0	For	0			Off	0	76	0	Closed	Idle	Off	-	-	-	-
05/31	19 18 12 52	1183	0	For	0			Off	0	76	0	Closed	Idle	Off	-	-	-	-
05/31	19 18 11 52	1183	0	For	0			Off	0	76	0	Closed	Idle	Off	-	-	-	-
05/31	19 18 10 52	1183	0	For	0			Off	0	76	0	Closed	Idle	Off	-	-	-	-
05/31	19 18 09 52	1183	0	For	0			Off	0	76	0	Closed	Idle	Off	-	-	-	-
05/31	19 18 08 52	1183	0	For	0			Off	0	76	0	Closed	Idle	Off	-	-	-	-
05/31	19 18 07 52	1183	0	For	0			Off	0	76	0	Closed	Idle	Off	-	-	-	-
05/31	19 18 06 52	1183	0	For	0			Off	0	76	0	Closed	Idle	Off	-	-	-	-
05/31	19 18 05 52	1183	0	For	0			Off	0	76	0	Closed	Idle	Off	-	-	-	-
05/31	19 18 04 52	1183	0	For	0			Off	0	76	0	Closed	Idle	Off	-	-	-	-
05/31	19 18 03 52	1183	0	For	0			Off	0	76	0	Closed	Idle	Off	-	-	-	-
05/31	19 18 02 52	1183	0	For	0			Off	0	76	0	Closed	Idle	Off	-	-	-	-
05/31	19 18 01 52	1183	0	For	0			Off	0	76	0	Closed	Idle	Off	-	-	-	-
05/31	19 18 00 52	1183	0	For	0			Off	0	76	0	Closed	Idle	Off	-	-	-	-
05/31	19 17 59 52	1183	0	For	0			Off	0	76	0	Closed	Idle	Off	-	-	-	-
05/31	19 17 58 52	1183	0	For	0			Off	0	76	0	Closed	Idle	Off	-	-	-	-
05/31	19 17 57 52	1183	0	For	0			Off	0	76	0	Closed	Idle	Off	-	-	-	-
05/31	19 17 56 52	1183	0	For	0			Off	0	76	0	Closed	Idle	Off	-	-	-	-
05/31	19 17 55 52	1183	0	For	0			Off	0	76	0	Closed	Idle	Off	-	-	-	-
05/31	19 17 54 52	1183	0	For	0			Off	0	76	0	Closed	Idle	Off	-	-	-	-
05/31	19 17 53 52	1183	0	For	0			Off	0	76	0	Closed	Idle	Off	-	-	-	-
05/31	19 17 52 52	1183	0	For	0			Off	0	76	0	Closed	Idle	Off	-	-	-	-
05/31	19 17 51 52	1183	0	For	0			Off	0	76	0	Closed	Idle	Off	-	-	-	-
05/31	19 17 50 52	1183	0	For	0			Off	0	76	0	Closed	Idle	Off	-	-	-	-
05/31	19 17 49 52	1183	0	For	0			Off	0	76	0	Closed	Idle	Off	-	-	-	-
05/31	19 17 48 52	1183	0	For	0			Off	0	76	0	Closed	Idle	Off	-	-	-	-
05/31	19 17 47 52	1183	0	For	0			Off	0	76	0	Closed	Idle	Off	-	-	-	-
05/31	19 17 46 52	1183	0	For	0			Off	0	76	0	Closed	Idle	Off	-	-	-	-
05/31	19 17 45 52	1183	0	For	0			Off	0	76	0	Closed	Idle	Off	-	-	-	-
05/31	19 17 44 52	1183	0	For	0			Off	0	76	0	Closed	Idle	Off	-	-	-	-
05/31	19 17 43 52	1183	0	For	0			Off	0	76	0	Closed	Idle	Off	-	-	-	-
05/31	19 17 42 52	1183	0	For	0			Off	0	76	0	Closed	Idle	Off	-	-	-	-
05/31	19 17 41 52	1183	0	For	0			Off	0	76	0	Closed	Idle	Off	-	-	-	-
05/31	19 17 40 52	1183	0	For	0			Off	0	76	0	Closed	Idle	Off	-	-	-	-
05/31	19 17 39 52	1183	0	For	0			Off	0	76	0	Closed	Idle	Off	-	-	-	-
05/31	19 17 38 52	1183	0	For	0			Off	0	76	0	Closed	Idle	Off	-	-	-	-
05/31	19 17 37 52	1183	0	For	0			Off	0	76	0	Closed	Idle	Off	-	-	-	-

CSX 44006

DATA TABLE

Locomotive 160 (CSX)
 Recorder 0
 Start Time May 23 2001 03 00 00
 End Time Jun 01 2001 07 27 45

Wheel Size 40 60
 Recorder Type IFC-CSX

WRE Recorder Data Analysis Software
 WPN 17561 Version 3 6 3 0
 Filename 0102067 DAT

Date	Time	Distance miles feet	Speed mph	DOT	Trac Effort klbs	Horn	Bell	AB psi	IB psi	EOT psi	PCS Open	Throttle Notch	Dyn Brake	ECP Message	ECP EOT psi	ECP TBC %	Oper Brk %
05/31	19 17 36 52	1183 0		For 0			Off 0	76	0	Closed	Idle	Off	-		--	--	--
05/31	19 17 35 52	1183 0		For 0			Off 0	76	0	Closed	Idle	Off	--		--	--	--
05/31	19 17 34 52	1183 0		For 0			Off 0	76	0	Closed	Idle	Off	-		-	--	--
05/31	19 17 33 52	1183 0		For 0			Off 0	76	0	Closed	Idle	Off	-		-	--	--
05/31	19 17 32 52	1183 0		For 0			Off 0	76	0	Closed	Idle	Off	--		-	--	--
05/31	19 17 31 52	1183 0		For 0			Off 0	76	0	Closed	Idle	Off	--		-	--	--
05/31	19 17 30 52	1183 0		For 0			Off 0	76	0	Closed	Idle	Off	--		--	--	--
05/31	19 17 29 52	1183 0		For 0			Off 0	76	0	Closed	Idle	Off	--		--	--	--
05/31	19 17 28 52	1183 0		For 0			Off 0	76	0	Closed	Idle	Off	-		-	-	--
05/31	19 17 27 52	1183 0		For 0			Off 0	76	0	Closed	Idle	Off	--		-	-	--
05/31	19 17 26 52	1183 0		For 0			Off 0	76	0	Closed	Idle	Off	--		--	--	--
05/31	19 17 25 52	1183 0		For 0			Off 0	76	0	Closed	Idle	Off	-		-	-	--
05/31	19 17 24 52	1183 0		For 0			Off 0	76	0	Closed	Idle	Off	--		--	--	--
05/31	19 17 23 52	1183 0		For 0			Off 0	76	0	Closed	Idle	Off	--		-	-	-
05/31	19 17 22 52	1183 0		For 0			Off 0	76	0	Closed	Idle	Off	--		-	-	--
05/31	19 17 21 52	1183 0		For 0			Off 0	76	0	Closed	Idle	Off	--		--	--	--
05/31	19 17 20 52	1183 0		For 0			Off 0	76	0	Closed	Idle	Off	--		--	--	--
05/31	19 17 19 52	1183 0		For 0			Off 0	76	0	Closed	Idle	Off	--		--	-	-
05/31	19 17 18 52	1183 0		For 0			Off 0	76	0	Closed	Idle	Off	--		--	--	-
05/31	19 17 17 52	1183 0		For 0			Off 0	76	0	Closed	Idle	Off	--		--	--	-
05/31	19 17 16 52	1183 0		For 0			Off 0	76	0	Closed	Idle	Off	--		--	--	-
05/31	19 17 15 52	1183 0		For 0			Off 0	76	0	Closed	Idle	Off			-	--	--
05/31	19 17 14 52	1183 0		For 0			Off 0	76	0	Closed	Idle	Off	--		--	--	-
05/31	19 17 13 52	1183 0		For 0			Off 0	76	0	Closed	Idle	Off	--		-	--	--
05/31	19 17 12 52	1183 0		For 0			Off 0	76	0	Closed	Idle	Off	--		--	--	--
05/31	19 17 11 52	1183 0		For 0			Off 0	76	0	Closed	Idle	Off	--		-	--	--
05/31	19 17 10 52	1183 0		For 0			Off 0	76	0	Closed	Idle	Off			-	--	--
05/31	19 17 09 52	1183 0		For 0			Off 0	76	0	Closed	Idle	Off	-		-	-	--
05/31	19 17 08 52	1183 0		For 0			Off 0	76	0	Closed	Idle	Off	-		-	-	--
05/31	19 17 07 52	1183 0		For 0			Off 0	76	0	Closed	Idle	Off	-			-	--
05/31	19 17 06 52	1183 0		For 0			Off 0	76	0	Closed	Idle	Off	--			-	--
05/31	19 17 05 52	1183 0		For 0			Off 0	76	0	Closed	Idle	Off	--		-	--	--
05/31	19 17 04 52	1183 0		For 0			Off 0	76	0	Closed	Idle	Off	--		--	--	-
05/31	19 17 03 52	1183 0		For 0			Off 0	76	0	Closed	Idle	Off	--		--	--	--
05/31	19 17 02 52	1183 0		For 0			Off 0	76	0	Closed	Idle	Off	--		-	--	--
05/31	19 17 01 52	1183 0		For 0			Off 0	76	0	Closed	Idle	Off	--		--	--	--
05/31	19 17 00 52	1183 0		For 0			Off 0	76	0	Closed	Idle	Off	--		--	-	-
05/31	19 16 59 52	1183 0		For 0			Off 0	76	0	Closed	Idle	Off	--		-	-	--
05/31	19 16 58 52	1183 0		For 0			Off 0	76	0	Closed	Idle	Off	-		--	--	-
05/31	19 16 57 52	1183 0		For 0			Off 0	76	0	Closed	Idle	Off	-		-	-	-
05/31	19 16 56 52	1183 0		For 0			Off 0	76	0	Closed	Idle	Off	-		--	-	-
05/31	19 16 55 52	1183 0		For 0			Off 0	76	0	Closed	Idle	Off			--	-	-

ROA-1530

CSX 44007

Locomotive 160 (CSX)
Recorder 0
Start Time May 23 2001 03 00 00
End Time Jun 01 2001 07 27 45

Wheel Size 40 60
Recorder Type IFC CSX

WRE Recorder Data Analysis Software
WPN 17561 Version 3 6 3 0
Filename 0102067 DAT

ROA - 1531

End Time		Distance		Speed	DOT	Trac	Horn	Bell	AB	IB	EOT	PCS	Throttle	Dyn	ECP		ECP	ECP	Oper
		miles	feet	mph		Effort	Q123456789		psi	psi	psi	Open	Notch	Brake	Message	psi	%	Brk	
Date	Time					kilbs												%	
05/31	19 16 54 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off	-	--	--	-	
05/31	19 16 53 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off	---	---	--	--	
05/31	19 16 52 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off	---	---	--	--	
05/31	19 16 51 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off	---	-	--	--	
05/31	19 16 50 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off	-		--	--	
05/31	19 16 49 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off	---			--	
05/31	19 16 48 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off	-	-	--	--	
05/31	19 16 47 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off	--	-	-	--	
05/31	19 16 46 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off	--	-	--	--	
05/31	19 16 45 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off	---	---	---	--	
05/31	19 16 44 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off	---	---	---	--	
05/31	19 16 43 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off	---	-	--	--	
05/31	19 16 42 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off	---	---	---	--	
05/31	19 16 41 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off	---	---	---	--	
05/31	19 16 40 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off	-	--	-	-	
05/31	19 16 39 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off	---	-	---	-	
05/31	19 16 38 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off	---	---	--	--	
05/31	19 16 37 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off	-	---	--	--	
05/31	19 16 36 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off	--	-	---	--	
05/31	19 16 35 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off	---	---	---	--	
05/31	19 16 34 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off	---	---	---	--	
05/31	19 16 33 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off	---	---	---	--	
05/31	19 16 32 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off		---	-	--	
05/31	19 16 31 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off	--	-	---	--	
05/31	19 16 30 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off	---	---	---	--	
05/31	19 16 29 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off		-	-	--	
05/31	19 16 28 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off	-	-	-	---	
05/31	19 16 27 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off	---	---	--	--	
05/31	19 16 26 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off	---	-	---	--	
05/31	19 16 25 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off	---	---	---	--	
05/31	19 16 24 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off	---	-	---	--	
05/31	19 16 23 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off	-	-	---	--	
05/31	19 16 22 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off	-	-	---	--	
05/31	19 16 21 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off	---	-	---	--	
05/31	19 16 20 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off	--	-	---	--	
05/31	19 16 19 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off	--	---	--	--	
05/31	19 16 18 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off	---	-	--	--	
05/31	19 16 17 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off	---	-	---	--	
05/31	19 16 16 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off	---	-	---	--	
05/31	19 16 15 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off	---	-	---	--	
05/31	19 16 14 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off	---	-	---	--	
05/31	19 16 13 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off	---	---	--	-	

CSX 44008

Locomotive 160 (CSX)
Recorder 0
Start Time May 23, 2001 03 00 00
End Time Jun 01 2001 07 27 45

DATA TABLE
Wheel Size 40 60
Recorder Type IFC CSX

WRE Recorder Data Analysis Software
WPN 17561 Version 3 6 3 0
Filename 0102067 DAT

End Time		Jun 01 2001 07:27:45		Trac										ECP			ECP Oper		
		Distance		Speed	DOT	Effort	Horn	Bell	AB	IB	EOT	PCS	Throttle	Dyn	ECP		EOT	TBC	Brk
Date	Time	miles	feet	mph		klbs	0123456789		psi	psi	psi	Open	Notch	Brake	Message	psi	%	%	
05/31	19 16 12 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off	--		--	--	
05/31	19 16 11 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off		--	--	--	
05/31	19 16 10 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off	--	-	--	--	
05/31	19 16 09 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off		-	--	--	
05/31	19 16 08 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off	--	--	--	-	
05/31	19 16 07 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off	-	-	--	--	
05/31	19 16 06 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off	--	--	--	-	
05/31	19 16 05 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off		-	--	--	
05/31	19 16 04 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off	-	--	--	--	
05/31	19 16 03 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off	--	--	--	-	
05/31	19 16 02 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off	--		--	--	
05/31	19 16 01 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off	--		--	-	
05/31	19 16 00 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off	--		--	--	
05/31	19 15 59 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off	--	--	--	--	
05/31	19 15 58 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off	--	--	--	--	
05/31	19 15 57 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off	--	-	--	--	
05/31	19 15 56 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off	-	-	--	--	
05/31	19 15 55 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off	-	-	--	-	
05/31	19 15 54 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off		--	--	--	
05/31	19 15 53 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off	--	-	--	--	
05/31	19 15 52 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off	--		--	--	
05/31	19 15 51 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off	--		--	-	
05/31	19 15 50 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off	--	-	--	--	
05/31	19 15 49 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off	--	--	--	--	
05/31	19 15 48 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off	--	--	--	--	
05/31	19 15 47 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off	--	--	--	--	
05/31	19 15 46 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off	--	-	--	--	
05/31	19 15 45 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off	--	-	--	--	
05/31	19 15 44 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off	--	-	--	-	
05/31	19 15 43 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off	-	--	--	--	
05/31	19 15 42 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off	-	--	--	--	
05/31	19 15 41 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off	-	--	--	--	
05/31	19 15 40 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off	--	-	--	--	
05/31	19 15 39 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off	--	--	--	--	
05/31	19 15 38 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off	--	--	--	--	
05/31	19 15 37 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off	--	--	--	--	
05/31	19 15 36 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off	--	--	--	--	
05/31	19 15 35 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off	--	--	--	--	
05/31	19 15 34 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off	--	--	--	--	
05/31	19 15 33 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off	--	-	--	--	
05/31	19 15 32 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off	-	-	--	--	
05/31	19 15 31 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off	-	--	--	--	

CSX 44009

DATA TABLE

Locomotive 160 (CSX)
 Recorder 0
 Start Time May 23, 2001 03:00:00
 End Time Jun 01, 2001 07:27:45

Wheel Size 40 60
 Recorder Type IFC-CSX

WRE Recorder Data Analysis Software
 WPN 17561 Version 3.6.3.0
 Filename 0102067.DAT

FOA-153

Date	Time	Distance miles	Speed feet mph	DOT	Trac Effort klbs	Horn	Bell	AB	IB	EOT	PCS	Throttle	Dyn	ECP	ECP	ECP	Oper
						0123456789		psi	psi	psi	Open	Notch	Brake	Message	psi	%	Brk %
05/31	19 15 30 52	1183	0	For	0		Off	0	76	0	Closed	Idle	Off	---	--		--
05/31	19 15 29 52	1183	0	For	0		Off	0	76	0	Closed	Idle	Off	---		--	--
05/31	19 15 28 52	1183	0	For	0		Off	0	76	0	Closed	Idle	Off	---		--	---
05/31	19 15 27 52	1183	0	For	0		Off	0	76	0	Closed	Idle	Off	---	-		---
05/31	19 15 26 52	1183	0	For	0		Off	0	76	0	Closed	Idle	Off	---	---	--	-
05/31	19 15 25 52	1183	0	For	0		Off	0	76	0	Closed	Idle	Off	-	---	-	
05/31	19 15 24 52	1183	0	For	0		Off	0	76	0	Closed	Idle	Off		---	--	-
05/31	19 15 23 52	1183	0	For	0		Off	0	76	0	Closed	Idle	Off	-	---	-	--
05/31	19 15 22 52	1183	0	For	0		Off	0	76	0	Closed	Idle	Off	-	-		---
05/31	19 15 21 52	1183	0	For	0		Off	0	76	0	Closed	Idle	Off	---		-	---
05/31	19 15 20 52	1183	0	For	0		Off	0	76	0	Closed	Idle	Off	---		--	--
05/31	19 15 19 52	1183	0	For	0		Off	0	76	0	Closed	Idle	Off	---	-	--	---
05/31	19 15 18 52	1183	0	For	0		Off	0	76	0	Closed	Idle	Off	---	-	--	-
05/31	19 15 17 52	1183	0	For	0		Off	0	76	0	Closed	Idle	Off	-	-		
05/31	19 15 16 52	1183	0	For	0		Off	0	76	0	Closed	Idle	Off		-	--	
05/31	19 15 15 52	1183	0	For	0		Off	0	76	0	Closed	Idle	Off	---		-	-
05/31	19 15 14 52	1183	0	For	0		Off	0	76	0	Closed	Idle	Off	---	--	-	---
05/31	19 15 13 52	1183	0	For	0		Off	0	76	0	Closed	Idle	Off	-	---		--
05/31	19 15 12 52	1183	0	For	0		Off	0	76	0	Closed	Idle	Off	---	--	--	---
05/31	19 15 11 52	1183	0	For	0		Off	0	76	0	Closed	Idle	Off	-	-	---	-
05/31	19 15 10 52	1183	0	For	0		Off	0	76	0	Closed	Idle	Off	-	--	--	
05/31	19 15 09 52	1183	0	For	0		Off	0	76	0	Closed	Idle	Off	-	-	---	
05/31	19 15 08 52	1183	0	For	0		Off	0	76	0	Closed	Idle	Off	---	-	--	-
05/31	19 15 07 52	1183	0	For	0		Off	0	76	0	Closed	Idle	Off	-	---	-	-
05/31	19 15 06 52	1183	0	For	0		Off	0	76	0	Closed	Idle	Off	---	-	---	
05/31	19 15 05 52	1183	0	For	0		Off	0	76	0	Closed	Idle	Off	-	---	--	-
05/31	19 15 04 52	1183	0	For	0		Off	0	76	0	Closed	Idle	Off		--	--	---
05/31	19 15 03 52	1183	0	For	0		Off	0	76	0	Closed	Idle	Off	-	-	--	---
05/31	19 15 02 52	1183	0	For	0		Off	0	76	0	Closed	Idle	Off	---	-	--	-
05/31	19 15 01 52	1183	0	For	0		Off	0	76	0	Closed	Idle	Off	---	-	-	--
05/31	19 15 00 52	1183	0	For	0		Off	0	76	0	Closed	Idle	Off	---	--	-	---
05/31	19 14 59 52	1183	0	For	0		Off	0	76	0	Closed	Idle	Off	-		--	---
05/31	19 14 58 52	1183	0	For	0		Off	0	76	0	Closed	Idle	Off	---	--	--	-
05/31	19 14 57 52	1183	0	For	0		Off	0	76	0	Closed	Idle	Off	---		--	---
05/31	19 14 56 52	1183	0	For	0		Off	0	76	0	Closed	Idle	Off	---		---	-
05/31	19 14 55 52	1183	0	For	0		Off	0	76	0	Closed	Idle	Off	---	--	---	-
05/31	19 14 54 52	1183	0	For	0		Off	0	76	0	Closed	Idle	Off	---	---	--	---
05/31	19 14 53 52	1183	0	For	0		Off	0	76	0	Closed	Idle	Off	---	-	--	---
05/31	19 14 52 52	1183	0	For	0		Off	0	76	0	Closed	Idle	Off	---	-	--	---
05/31	19 14 51 52	1183	0	For	0		Off	0	76	0	Closed	Idle	Off	---	--	-	---
05/31	19 14 50 52	1183	0	For	0		Off	0	76	0	Closed	Idle	Off	---	--		---
05/31	19 14 49 52	1183	0	For	0		Off	0	76	0	Closed	Idle	Off		-	--	-

CSX 44010

DATA TABLE

Locomotive 160 (CSX)
 Recorder 0
 Start Time May 23 2001 03 00 00
 End Time Jun 01 2001 07 27 45

Wheel Size 40 60
 Recorder Type IFC CSX

WRE Recorder Data Analysis Software
 WPN 17561 Version 3 6 3 0
 Filename 0102067 DAT

Date	Time	Distance miles feet	Speed mph	DOT	Trac Effort klbs	Horn	Bell	AB	IB	EOT	PCS	Throttle Notch	Dyn Brake	ECP Message	ECP EOT	ECP TBC	Oper Brk
								psi	psi	psi	Open				psi	%	%
05/31	19 14 48 52	1183 0		For 0			Off 0	76	0	Closed	Idle	Off	-	-	-	-	-
05/31	19 14 47 52	1183 0		For 0			Off 0	76	0	Closed	Idle	Off	-	-	-	-	-
05/31	19 14 46 52	1183 0		For 0			Off 0	76	0	Closed	Idle	Off	-	-	-	-	-
05/31	19 14 45 52	1183 0		For 0			Off 0	76	0	Closed	Idle	Off	-	-	-	-	-
05/31	19 14 44 52	1183 0		For 0			Off 0	76	0	Closed	Idle	Off	-	-	-	-	-
05/31	19 14 43 52	1183 0		For 0			Off 0	76	0	Closed	Idle	Off	-	-	-	-	-
05/31	19 14 42 52	1183 0		For 0			Off 0	76	0	Closed	Idle	Off	-	-	-	-	-
05/31	19 14 41 52	1183 0		For 0			Off 0	76	0	Closed	Idle	Off	-	-	-	-	-
05/31	19 14 40 52	1183 0		For 0			Off 0	76	0	Closed	Idle	Off	-	-	-	-	-
05/31	19 14 39 52	1183 0		For 0			Off 0	76	0	Closed	Idle	Off	-	-	-	-	-
05/31	19 14 38 52	1183 0		For 0			Off 0	76	0	Closed	Idle	Off	-	-	-	-	-
05/31	19 14 37 52	1183 0		For 0			Off 0	76	0	Closed	Idle	Off	-	-	-	-	-
05/31	19 14 36 52	1183 0		For 0			Off 0	76	0	Closed	Idle	Off	-	-	-	-	-
05/31	19 14 35 52	1183 0		For 0			Off 0	76	0	Closed	Idle	Off	-	-	-	-	-
05/31	19 14 34 52	1183 0		For 0			Off 0	76	0	Closed	Idle	Off	-	-	-	-	-
05/31	19 14 33 52	1183 0		For 0			Off 0	76	0	Closed	Idle	Off	-	-	-	-	-
05/31	19 14 32 52	1183 0		For 0			Off 0	76	0	Closed	Idle	Off	-	-	-	-	-
05/31	19 14 31 52	1183 0		For 0			Off 0	76	0	Closed	Idle	Off	-	-	-	-	-
05/31	19 14 30 52	1183 0		For 0			Off 0	76	0	Closed	Idle	Off	-	-	-	-	-
05/31	19 14 29 52	1183 0		For 0			Off 0	76	0	Closed	Idle	Off	-	-	-	-	-
05/31	19 14 28 52	1183 0		For 0			Off 0	76	0	Closed	Idle	Off	-	-	-	-	-
05/31	19 14 27 52	1183 0		For 0			Off 0	76	0	Closed	Idle	Off	-	-	-	-	-
05/31	19 14 26 52	1183 0		For 0			Off 0	76	0	Closed	Idle	Off	-	-	-	-	-
05/31	19 14 25 52	1183 0		For 0			Off 0	76	0	Closed	Idle	Off	-	-	-	-	-
05/31	19 14 24 52	1183 0		For 0			Off 0	76	0	Closed	Idle	Off	-	-	-	-	-
05/31	19 14 23 52	1183 0		For 0			Off 0	76	0	Closed	Idle	Off	-	-	-	-	-
05/31	19 14 22 52	1183 0		For 0			Off 0	76	0	Closed	Idle	Off	-	-	-	-	-
05/31	19 14 21 52	1183 0		For 0			Off 0	76	0	Closed	Idle	Off	-	-	-	-	-
05/31	19 14 20 52	1183 0		For 0			Off 0	76	0	Closed	Idle	Off	-	-	-	-	-
05/31	19 14 19 52	1183 0		For 0			Off 0	76	0	Closed	Idle	Off	-	-	-	-	-
05/31	19 14 18 52	1183 0		For 0			Off 0	76	0	Closed	Idle	Off	-	-	-	-	-
05/31	19 14 17 52	1183 0		For 0			Off 0	76	0	Closed	Idle	Off	-	-	-	-	-
05/31	19 14 16 52	1183 0		For 0			Off 0	76	0	Closed	Idle	Off	-	-	-	-	-
05/31	19 14 15 52	1183 0		For 0			Off 0	76	0	Closed	Idle	Off	-	-	-	-	-
05/31	19 14 14 52	1183 0		For 0			Off 0	76	0	Closed	Idle	Off	-	-	-	-	-
05/31	19 14 13 52	1183 0		For 0			Off 0	76	0	Closed	Idle	Off	-	-	-	-	-
05/31	19 14 12 52	1183 0		For 0			Off 0	76	0	Closed	Idle	Off	-	-	-	-	-
05/31	19 14 11 52	1183 0		For 0			Off 0	76	0	Closed	Idle	Off	-	-	-	-	-
05/31	19 14 10 52	1183 0		For 0			Off 0	76	0	Closed	Idle	Off	-	-	-	-	-
05/31	19 14 09 52	1183 0		For 0			Off 0	76	0	Closed	Idle	Off	-	-	-	-	-
05/31	19 14 08 52	1183 0		For 0			Off 0	76	0	Closed	Idle	Off	-	-	-	-	-
05/31	19 14 07 52	1183 0		For 0			Off 0	76	0	Closed	Idle	Off	-	-	-	-	-

ROD-1534

CSX 44011

DATA TABLE

Locomotive 160 (CSX)
 Recorder 0
 Start Time May 23, 2001 03 00 00
 End Time Jun 01 2001 07 27 45

Wheel Size 40 60
 Recorder Type IFC-CSX

WRE Recorder Data Analysis Software
 WPN 17561 Version 3 6 3 0
 Filename 0102067 DAT

Date	Time	Distance		Speed mph	DOT	Trac Effort klbs	Horn							Bell	A8 psi	IB psi	EOT psi	PCS Open	Throttle Notch	Dyn Brake	ECP Message	ECP ECP Oper		
		miles	feet				0	1	2	3	4	5	6									EOT psi	TBC %	Brk %
05/31	19 14 06 52	1183	0		For	0								Off	0	76	0	Closed	Idle	Off	--	--	--	-
05/31	19 14 05 52	1183	0		For	0								Off	0	76	0	Closed	Idle	Off	--	--	--	-
05/31	19 14 04 52	1183	0		For	0								Off	0	76	0	Closed	Idle	Off	--	--	--	-
05/31	19 14 03 52	1183	0		For	0								Off	0	76	0	Closed	Idle	Off	--	--	--	-
05/31	19 14 02 52	1183	0		For	0								Off	0	76	0	Closed	Idle	Off	--	--	--	-
05/31	19 14 01 52	1183	0		For	0								Off	0	76	0	Closed	Idle	Off	--	--	--	-
05/31	19 14 00 52	1183	0		For	0								Off	0	76	0	Closed	Idle	Off	--	--	--	-
05/31	19 13 59 52	1183	0		For	0								Off	0	76	0	Closed	Idle	Off	--	--	--	-
05/31	19 13 58 52	1183	0		For	0								Off	0	76	0	Closed	Idle	Off	--	--	--	-
05/31	19 13 57 52	1183	0		For	0								Off	0	76	0	Closed	Idle	Off	--	--	--	-
05/31	19 13 56 52	1183	0		For	0								Off	0	76	0	Closed	Idle	Off	--	--	--	-
05/31	19 13 55 52	1183	0		For	0								Off	0	76	0	Closed	Idle	Off	--	--	--	-
05/31	19 13 54 52	1183	0		For	0								Off	0	76	0	Closed	Idle	Off	--	--	--	-
05/31	19 13 53 52	1183	0		For	0								Off	0	76	0	Closed	Idle	Off	--	--	--	-
05/31	19 13 52 52	1183	0		For	0								Off	0	76	0	Closed	Idle	Off	--	--	--	-
05/31	19 13 51 52	1183	0		For	0								Off	0	76	0	Closed	Idle	Off	--	--	--	-
05/31	19 13 50 52	1183	0		For	0								Off	0	76	0	Closed	Idle	Off	--	--	--	-
05/31	19 13 49 52	1183	0		For	0								Off	0	76	0	Closed	Idle	Off	--	--	--	-
05/31	19 13 48 52	1183	0		For	0								Off	0	76	0	Closed	Idle	Off	--	--	--	-
05/31	19 13 47 52	1183	0		For	0								Off	0	76	0	Closed	Idle	Off	--	--	--	-
05/31	19 13 46 52	1183	0		For	0								Off	0	76	0	Closed	Idle	Off	--	--	--	-
05/31	19 13 45 52	1183	0		For	0								Off	0	76	0	Closed	Idle	Off	--	--	--	-
05/31	19 13 44 52	1183	0		For	0								Off	0	76	0	Closed	Idle	Off	--	--	--	-
05/31	19 13 43 52	1183	0		For	0								Off	0	76	0	Closed	Idle	Off	--	--	--	-
05/31	19 13 42 52	1183	0		For	0								Off	0	76	0	Closed	Idle	Off	--	--	--	-
05/31	19 13 41 52	1183	0		For	0								Off	0	76	0	Closed	Idle	Off	--	--	--	-
05/31	19 13 40 52	1183	0		For	0								Off	0	76	0	Closed	Idle	Off	--	--	--	-
05/31	19 13 39 52	1183	0		For	0								Off	0	76	0	Closed	Idle	Off	--	--	--	-
05/31	19 13 38 52	1183	0		For	0								Off	0	76	0	Closed	Idle	Off	--	--	--	-
05/31	19 13 37 52	1183	0		For	0								Off	0	76	0	Closed	Idle	Off	--	--	--	-
05/31	19 13 36 52	1183	0		For	0								Off	0	76	0	Closed	Idle	Off	--	--	--	-
05/31	19 13 35 52	1183	0		For	0								Off	0	76	0	Closed	Idle	Off	--	--	--	-
05/31	19 13 34 52	1183	0		For	0								Off	0	76	0	Closed	Idle	Off	--	--	--	-
05/31	19 13 33 52	1183	0		For	0								Off	0	76	0	Closed	Idle	Off	--	--	--	-
05/31	19 13 32 52	1183	0		For	0								Off	0	76	0	Closed	Idle	Off	--	--	--	-
05/31	19 13 31 52	1183	0		For	0								Off	0	76	0	Closed	Idle	Off	--	--	--	-
05/31	19 13 30 52	1183	0		For	0								Off	0	76	0	Closed	Idle	Off	--	--	--	-
05/31	19 13 29 52	1183	0		For	0								Off	0	76	0	Closed	Idle	Off	--	--	--	-
05/31	19 13 28 52	1183	0		For	0								Off	0	76	0	Closed	Idle	Off	--	--	--	-
05/31	19 13 27 52	1183	0		For	0								Off	0	76	0	Closed	Idle	Off	--	--	--	-
05/31	19 13 26 52	1183	0		For	0								Off	0	76	0	Closed	Idle	Off	--	--	--	-
05/31	19 13 25 52	1183	0		For	0								Off	0	76	0	Closed	Idle	Off	--	--	--	-

CSX 44012

Locomotive 160 (CSX)
 Recorder 0
 Start Time May 23 2001 03 00 00
 End Time Jun 01 2001 07 27 45

Wheel Size 40 60
 Recorder Type IFC CSX

WRE Recorder Data Analysis Software
 WPN 17561 Version 3 6 3 0
 Filename 0102067.DAT

		Distance		Speed	DOT	Effort	Horn	Bell	AB	IB	EOT	PCS	Throttle	Dyn	ECP		ECP	ECP	Oper
		miles feet		mph		klbs	0123456789		psi	psi	psi	Open	Notch	Brake	Message		psi	%	%
Date	Time																		
05/31	19 13 24 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off	--		--	--	
05/31	19 13 23 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off			--	--	--
05/31	19 13 22 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off	--		--	-	--
05/31	19 13 21 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off			--	--	-
05/31	19 13 20 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off	--		-	--	-
05/31	19 13 19 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off	--		--	-	
05/31	19 13 18 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off	--		--	-	--
05/31	19 13 17 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off	--		--	-	--
05/31	19 13 16 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off	--		-	--	--
05/31	19 13 15 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off			--	--	--
05/31	19 13 14 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off	--		--	-	--
05/31	19 13 13 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off	--		--	-	--
05/31	19 13 12 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off	--		--	-	-
05/31	19 13 11 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off	-		--	-	--
05/31	19 13 10 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off			-	-	
05/31	19 13 09 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off	--		--	-	
05/31	19 13 08 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off	--		-		
05/31	19 13 07 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off	--		--	--	
05/31	19 13 06 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off	--		--	-	
05/31	19 13 05 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off	--		-	--	
05/31	19 13 04 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off	--		--		--
05/31	19 13 03 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off	--		-		-
05/31	19 13 02 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off	--		--	--	-
05/31	19 13 01 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off	-		--		
05/31	19 13 00 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off			--	--	-
05/31	19 12 59 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off	--		--	--	--
05/31	19 12 58 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off	-		--	-	--
05/31	19 12 57 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off	-		--	--	--
05/31	19 12 56 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off			--	--	--
05/31	19 12 55 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off	--		--	--	--
05/31	19 12 54 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off			--	--	--
05/31	19 12 53 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off	--		--	--	--
05/31	19 12 52 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off	--		--	--	
05/31	19 12 51 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off	-		--	-	-
05/31	19 12 50 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off	--		-	--	--
05/31	19 12 49 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off	-		--	--	--
05/31	19 12 48 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off	-		--	--	--
05/31	19 12 47 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off	--		--	--	--
05/31	19 12 46 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off	-		-	-	--
05/31	19 12 45 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off			--	--	
05/31	19 12 44 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off	--		-	--	--
05/31	19 12 43 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off	--		--	--	

CSX 44013

Locomotive 160 (CSX)
Recorder 0
Start Time May 23 2001 03 00 00
End Time Jun 01 2001 07 27 45

DATA TABLE
Wheel Size 40 60
Recorder Type IFC CSX

WRE Recorder Data Analysis Software
WPN 17561 Version 3 6 3 0
Filename 0102067 DAT

Date	Time	Distance		Speed mph	DOT	Trac Effort klbs	Horn	Bell	AB psi	IB psi	EOT psi	PCS Open	Throttle Notch	Dyn Brake	ECP Message	ECP EOT psi	ECP TBC %	Oper Brk %
		miles	feet															
05/31	19 12 42 52	1183	0	For	0			Off	0	76	0	Closed	Idle	Off	--	--	--	--
05/31	19 12 41 52	1183	0	For	0			Off	0	76	0	Closed	Idle	Off	--	--	--	--
05/31	19 12 40 52	1183	0	For	0			Off	0	76	0	Closed	Idle	Off	--	--	--	--
05/31	19 12 39 52	1183	0	For	0			Off	0	76	0	Closed	Idle	Off	--	--	--	--
05/31	19 12 38 52	1183	0	For	0			Off	0	76	0	Closed	Idle	Off	--	--	--	--
05/31	19 12 37 52	1183	0	For	0			Off	0	76	0	Closed	Idle	Off	--	--	--	--
05/31	19 12 36 52	1183	0	For	0			Off	0	76	0	Closed	Idle	Off	--	--	--	--
05/31	19 12 35 52	1183	0	For	0			Off	0	76	0	Closed	Idle	Off	--	--	--	--
05/31	19 12 34 52	1183	0	For	0			Off	0	76	0	Closed	Idle	Off	--	--	--	--
05/31	19 12 33 52	1183	0	For	0			Off	0	76	0	Closed	Idle	Off	--	--	--	--
05/31	19 12 32 52	1183	0	For	0			Off	0	76	0	Closed	Idle	Off	--	--	--	--
05/31	19 12 31 52	1183	0	For	0			Off	0	76	0	Closed	Idle	Off	--	--	--	--
05/31	19 12 30 52	1183	0	For	0			Off	0	76	0	Closed	Idle	Off	--	--	--	--
05/31	19 12 29 52	1183	0	For	0			Off	0	76	0	Closed	Idle	Off	--	--	--	--
05/31	19 12 28 52	1183	0	For	0			Off	0	76	0	Closed	Idle	Off	--	--	--	--
05/31	19 12 27 52	1183	0	For	0			Off	0	76	0	Closed	Idle	Off	--	--	--	--
05/31	19 12 26 52	1183	0	For	0			Off	0	76	0	Closed	Idle	Off	--	--	--	--
05/31	19 12 25 52	1183	0	For	0			Off	0	76	0	Closed	Idle	Off	--	--	--	--
05/31	19 12 24 52	1183	0	For	0			Off	0	76	0	Closed	Idle	Off	--	--	--	--
05/31	19 12 23 52	1183	0	For	0			Off	0	76	0	Closed	Idle	Off	--	--	--	--
05/31	19 12 22 52	1183	0	For	0			Off	0	76	0	Closed	Idle	Off	--	--	--	--
05/31	19 12 21 52	1183	0	For	0			Off	0	76	0	Closed	Idle	Off	--	--	--	--
05/31	19 12 20 52	1183	0	For	0			Off	0	76	0	Closed	Idle	Off	--	--	--	--
05/31	19 12 19 52	1183	0	For	0			Off	0	76	0	Closed	Idle	Off	--	--	--	--
05/31	19 12 18 52	1183	0	For	0			Off	0	76	0	Closed	Idle	Off	--	--	--	--
05/31	19 12 17 52	1183	0	For	0			Off	0	76	0	Closed	Idle	Off	--	--	--	--
05/31	19 12 16 52	1183	0	For	0			Off	0	76	0	Closed	Idle	Off	--	--	--	--
05/31	19 12 15 52	1183	0	For	0			Off	0	76	0	Closed	Idle	Off	--	--	--	--
05/31	19 12 14 52	1183	0	For	0			Off	0	76	0	Closed	Idle	Off	--	--	--	--
05/31	19 12 13 52	1183	0	For	0			Off	0	76	0	Closed	Idle	Off	--	--	--	--
05/31	19 12 12 52	1183	0	For	0			Off	0	76	0	Closed	Idle	Off	--	--	--	--
05/31	19 12 11 52	1183	0	For	0			Off	0	76	0	Closed	Idle	Off	--	--	--	--
05/31	19 12 10 52	1183	0	For	0			Off	0	76	0	Closed	Idle	Off	--	--	--	--
05/31	19 12 09 52	1183	0	For	0			Off	0	76	0	Closed	Idle	Off	--	--	--	--
05/31	19 12 08 52	1183	0	For	0			Off	0	76	0	Closed	Idle	Off	--	--	--	--
05/31	19 12 07 52	1183	0	For	0			Off	0	76	0	Closed	Idle	Off	--	--	--	--
05/31	19 12 06 52	1183	0	For	0			Off	0	76	0	Closed	Idle	Off	--	--	--	--
05/31	19 12 05 52	1183	0	For	0			Off	0	76	0	Closed	Idle	Off	--	--	--	--
05/31	19 12 04 52	1183	0	For	0			Off	0	76	0	Closed	Idle	Off	--	--	--	--
05/31	19 12 03 52	1183	0	For	0			Off	0	76	0	Closed	Idle	Off	--	--	--	--
05/31	19 12 02 52	1183	0	For	0			Off	0	76	0	Closed	Idle	Off	--	--	--	--
05/31	19 12 01 52	1183	0	For	0			Off	0	76	0	Closed	Idle	Off	--	--	--	--

CSX 44014

DATA TABLE

Locomotive 160 (CSX)
 Recorder 0
 Start Time May 23, 2001 03 00 00
 End Time Jun 01 2001 07 27 45

Wheel Size 40 60
 Recorder Type IFC-CSX

WRE Recorder Data Analysis Software
 WPN 17561 Version 3 6 3 0
 Filename 0102067 DAT

Date	Time	Distance miles	Speed feet mph	DOT	Trac Effort klbs	Horn	Bell	AB	IB	EOT	PCS	Throttle	Dyn	ECP	ECP	ECP	Oper
						Q123456789		psi	psi	psi	Open	Notch	Brake	Message	psi	%	%
05/31	19 12 00 52	1183	0	For	0		Off	0	76	0	Closed	Idle	Off	-	--	-	--
05/31	19 11 59 52	1183	0	For	0		Off	0	76	0	Closed	Idle	Off	-	--	-	--
05/31	19 11 58 52	1183	0	For	0		Off	0	76	0	Closed	Idle	Off	-	-	-	--
05/31	19 11 57 52	1183	0	For	0		Off	0	76	0	Closed	Idle	Off		--	-	--
05/31	19 11 56 52	1183	0	For	0		Off	0	76	0	Closed	Idle	Off		--	-	--
05/31	19 11 55 52	1183	0	For	0		Off	0	76	0	Closed	Idle	Off	--	-	--	
05/31	19 11 54 52	1183	0	For	0		Off	0	76	0	Closed	Idle	Off	--	--	--	
05/31	19 11 53 52	1183	0	For	0		Off	0	76	0	Closed	Idle	Off	--	--	--	
05/31	19 11 52 52	1183	0	For	0		Off	0	76	0	Closed	Idle	Off	--	-	-	--
05/31	19 11 51 52	1183	0	For	0		Off	0	76	0	Closed	Idle	Off	-	--	-	--
05/31	19 11 50 52	1183	0	For	0		Off	0	76	0	Closed	Idle	Off	-	--	--	
05/31	19 11 49 52	1183	0	For	0		Off	0	76	0	Closed	Idle	Off		--	--	-
05/31	19 11 48 52	1183	0	For	0		Off	0	76	0	Closed	Idle	Off	-	-	--	-
05/31	19 11 47 52	1183	0	For	0		Off	0	76	0	Closed	Idle	Off	-	--	-	--
05/31	19 11 46 52	1183	0	For	0		Off	0	76	0	Closed	Idle	Off	-	--	-	-
05/31	19 11 45 52	1183	0	For	0		Off	0	76	0	Closed	Idle	Off	--	--	--	-
05/31	19 11 44 52	1183	0	For	0		Off	0	76	0	Closed	Idle	Off		-	--	--
05/31	19 11 43 52	1183	0	For	0		Off	0	76	0	Closed	Idle	Off	--	--	--	--
05/31	19 11 42 52	1183	0	For	0		Off	0	76	0	Closed	Idle	Off	--	-	-	--
05/31	19 11 41 52	1183	0	For	0		Off	0	76	0	Closed	Idle	Off	-	-	--	--
05/31	19 11 40 52	1183	0	For	0		Off	0	76	0	Closed	Idle	Off	--	--	-	-
05/31	19 11 39 52	1183	0	For	0		Off	0	76	0	Closed	Idle	Off	--	--	-	--
05/31	19 11 38 52	1183	0	For	0		Off	0	76	0	Closed	Idle	Off	-	--	--	--
05/31	19 11 37 52	1183	0	For	0		Off	0	76	0	Closed	Idle	Off		-	-	--
05/31	19 11 36 52	1183	0	For	0		Off	0	76	0	Closed	Idle	Off		--	-	--
05/31	19 11 35 52	1183	0	For	0		Off	0	76	0	Closed	Idle	Off	--	--	--	-
05/31	19 11 34 52	1183	0	For	0		Off	0	76	0	Closed	Idle	Off	-	--	--	-
05/31	19 11 33 52	1183	0	For	0		Off	0	76	0	Closed	Idle	Off	-	--	--	-
05/31	19 11 32 52	1183	0	For	0		Off	0	76	0	Closed	Idle	Off	--	-	-	--
05/31	19 11 31 52	1183	0	For	0		Off	0	76	0	Closed	Idle	Off	--	--	-	--
05/31	19 11 30 52	1183	0	For	0		Off	0	76	0	Closed	Idle	Off	-	-	--	-
05/31	19 11 29 52	1183	0	For	0		Off	0	76	0	Closed	Idle	Off	-	--	--	-
05/31	19 11 28 52	1183	0	For	0		Off	0	76	0	Closed	Idle	Off		-	--	-
05/31	19 11 27 52	1183	0	For	0		Off	0	76	0	Closed	Idle	Off		--	-	
05/31	19 11 26 52	1183	0	For	0		Off	0	76	0	Closed	Idle	Off	--	-	-	--
05/31	19 11 25 52	1183	0	For	0		Off	0	76	0	Closed	Idle	Off	-	-	-	--
05/31	19 11 24 52	1183	0	For	0		Off	0	76	0	Closed	Idle	Off	--	-	-	-
05/31	19 11 23 52	1183	0	For	0		Off	0	76	0	Closed	Idle	Off	--	--	-	--
05/31	19 11 22 52	1183	0	For	0		Off	0	76	0	Closed	Idle	Off	-	-	-	--
05/31	19 11 21 52	1183	0	For	0		Off	0	76	0	Closed	Idle	Off	-	--	--	--
05/31	19 11 20 52	1183	0	For	0		Off	0	76	0	Closed	Idle	Off		--	-	-
05/31	19 11 19 52	1183	0	For	0		Off	0	76	0	Closed	Idle	Off	-	--	-	-

CSX 44015

DATA TABLE

Locomotive 160 (CSX)
 Recorder 0
 Start Time May 23, 2001 03 00 00
 End Time Jun 01 2001 07 27 45

Wheel Size 40 60
 Recorder Type IFC-CSX

WRE Recorder Data Analysis Software
 WPN 17561 Version 3 6 3 0
 Filename 0102067.DAT

Date	Time	Distance		Speed	DOT	Trac Effort	Horn	Bell	AB	IB	EOT	PCS	Throttle	Dyn	ECP	ECP	ECP	Oper
		miles	feet	mph		klbs	0123456789								Message	psi	TBC	Brk
									psi	psi	psi	Open	Notch	Brake			%	%
05/31	19 11 18 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off	---	---	-	---
05/31	19 11 17 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off	---	---	-	---
05/31	19 11 16 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off	---	---	-	---
05/31	19 11 15 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off	---	---	-	---
05/31	19 11 14 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off	---	---	-	---
05/31	19 11 13 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off	---	---	-	---
05/31	19 11 12 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off	---	---	-	---
05/31	19 11 11 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off	---	---	-	---
05/31	19 11 10 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off	---	---	-	---
05/31	19 11 09 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off	---	---	-	---
05/31	19 11 08 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off	---	---	-	---
05/31	19 11 07 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off	---	---	-	---
05/31	19 11 06 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off	---	---	-	---
05/31	19 11 05 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off	---	---	-	---
05/31	19 11 04 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off	---	---	-	---
05/31	19 11 03 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off	---	---	-	---
05/31	19 11 02 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off	---	---	-	---
05/31	19 11 01 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off	---	---	-	---
05/31	19 11 00 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off	---	---	-	---
05/31	19 10 59 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off	---	---	-	---
05/31	19 10 58 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off	---	---	-	---
05/31	19 10 57 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off	---	---	-	---
05/31	19 10 56 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off	---	---	-	---
05/31	19 10 55 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off	---	---	-	---
05/31	19 10 54 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off	---	---	-	---
05/31	19 10 53 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off	---	---	-	---
05/31	19 10 52 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off	---	---	-	---
05/31	19 10 51 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off	---	---	-	---
05/31	19 10 50 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off	---	---	-	---
05/31	19 10 49 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off	---	---	-	---
05/31	19 10 48 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off	---	---	-	---
05/31	19 10 47 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off	---	---	-	---
05/31	19 10 46 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off	---	---	-	---
05/31	19 10 45 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off	---	---	-	---
05/31	19 10 44 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off	---	---	-	---
05/31	19 10 43 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off	---	---	-	---
05/31	19 10 42 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off	---	---	-	---
05/31	19 10 41 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off	---	---	-	---
05/31	19 10 40 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off	---	---	-	---
05/31	19 10 39 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off	---	---	-	---
05/31	19 10 38 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off	---	---	-	---
05/31	19 10 37 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off	---	---	-	---

CSX 44016

DATA TABLE

Locomotive 160 (CSX)
 Recorder 0
 Start Time May 23 2001 03 00 00
 End Time Jun 01 2001 07 27 45

Wheel Size 40 60
 Recorder Type IFC-CSX

WRE Recorder Data Analysis Software
 WPN 17561 Version 3 6 3 0
 Filename 0102067 DAT

Date	Time	Distance miles	Speed feet mph	DOT	Trac Effort klbs	Horn	Bell	AB	IB	EOT	PCS	Throttle	Dyn	ECP	ECP	ECP	Oper
						0123456789		psi	psi	psi	Open	Notch	Brake	Message	psi	%	%
05/31	19 10 36 52	1183	0	For	0		Off	0	76	0	Closed	Idle	Off	--	-	-	-
05/31	19 10 35 52	1183	0	For	0		Off	0	76	0	Closed	Idle	Off	--	-	-	-
05/31	19 10 34 52	1183	0	For	0		Off	0	76	0	Closed	Idle	Off	--	-	-	-
05/31	19 10 33 52	1183	0	For	0		Off	0	76	0	Closed	Idle	Off	--	-	-	-
05/31	19 10 32 52	1183	0	For	0		Off	0	76	0	Closed	Idle	Off	--	-	-	-
05/31	19 10 31 52	1183	0	For	0		Off	0	76	0	Closed	Idle	Off	--	-	-	-
05/31	19 10 30 52	1183	0	For	0		Off	0	76	0	Closed	Idle	Off	--	-	-	-
05/31	19 10 29 52	1183	0	For	0		Off	0	76	0	Closed	Idle	Off	--	-	-	-
05/31	19 10 28 52	1183	0	For	0		Off	0	76	0	Closed	Idle	Off	--	-	-	-
05/31	19 10 27 52	1183	0	For	0		Off	0	76	0	Closed	Idle	Off	--	-	-	-
05/31	19 10 26 52	1183	0	For	0		Off	0	76	0	Closed	Idle	Off	--	-	-	-
05/31	19 10 25 52	1183	0	For	0		Off	0	76	0	Closed	Idle	Off	--	-	-	-
05/31	19 10 24 52	1183	0	For	0		Off	0	76	0	Closed	Idle	Off	--	-	-	-
05/31	19 10 23 52	1183	0	For	0		Off	0	76	0	Closed	Idle	Off	--	-	-	-
05/31	19 10 22 52	1183	0	For	0		Off	0	76	0	Closed	Idle	Off	--	-	-	-
05/31	19 10 21 52	1183	0	For	0		Off	0	76	0	Closed	Idle	Off	--	-	-	-
05/31	19 10 20 52	1183	0	For	0		Off	0	76	0	Closed	Idle	Off	--	-	-	-
05/31	19 10 19 52	1183	0	For	0		Off	0	76	0	Closed	Idle	Off	--	-	-	-
05/31	19 10 18 52	1183	0	For	0		Off	0	76	0	Closed	Idle	Off	--	-	-	-
05/31	19 10 17 52	1183	0	For	0		Off	0	76	0	Closed	Idle	Off	--	-	-	-
05/31	19 10 16 52	1183	0	For	0		Off	0	76	0	Closed	Idle	Off	--	-	-	-
05/31	19 10 15 52	1183	0	For	0		Off	0	76	0	Closed	Idle	Off	--	-	-	-
05/31	19 10 14 52	1183	0	For	0		Off	0	76	0	Closed	Idle	Off	--	-	-	-
05/31	19 10 13 52	1183	0	For	0		Off	0	76	0	Closed	Idle	Off	--	-	-	-
05/31	19 10 12 52	1183	0	For	0		Off	0	76	0	Closed	Idle	Off	--	-	-	-
05/31	19 10 11 52	1183	0	For	0		Off	0	76	0	Closed	Idle	Off	--	-	-	-
05/31	19 10 10 52	1183	0	For	0		Off	0	76	0	Closed	Idle	Off	--	-	-	-
05/31	19 10 09 52	1183	0	For	0		Off	0	76	0	Closed	Idle	Off	--	-	-	-
05/31	19 10 08 52	1183	0	For	0		Off	0	76	0	Closed	Idle	Off	--	-	-	-
05/31	19 10 07 52	1183	0	For	0		Off	0	76	0	Closed	Idle	Off	--	-	-	-
05/31	19 10 06 52	1183	0	For	0		Off	0	76	0	Closed	Idle	Off	--	-	-	-
05/31	19 10 05 52	1183	0	For	0		Off	0	76	0	Closed	Idle	Off	--	-	-	-
05/31	19 10 04 52	1183	0	For	0		Off	0	76	0	Closed	Idle	Off	--	-	-	-
05/31	19 10 03 52	1183	0	For	0		Off	0	76	0	Closed	Idle	Off	--	-	-	-
05/31	19 10 02 52	1183	0	For	0		Off	0	76	0	Closed	Idle	Off	--	-	-	-
05/31	19 10 01 52	1183	0	For	0		Off	0	76	0	Closed	Idle	Off	--	-	-	-
05/31	19 10 00 52	1183	0	For	0		Off	0	76	0	Closed	Idle	Off	--	-	-	-
05/31	19 09 59 52	1183	0	For	0		Off	0	76	0	Closed	Idle	Off	--	-	-	-
05/31	19 09 58 52	1183	0	For	0		Off	0	76	0	Closed	Idle	Off	--	-	-	-
05/31	19 09 57 52	1183	0	For	0		Off	0	76	0	Closed	Idle	Off	--	-	-	-
05/31	19 09 56 52	1183	0	For	0		Off	0	76	0	Closed	Idle	Off	--	-	-	-
05/31	19 09 55 52	1183	0	For	0		Off	0	76	0	Closed	Idle	Off	--	-	-	-

CSX 44017

DATA TABLE

Locomotive 160 (CSX)
Recorder 0
Start Time May 23 2001 03 00 00
End Time Jun 01 2001 07 27 45

Wheel Size 40 60
Recorder Type IFC-CSX

WRE Recorder Data Analysis Software
WPN 17561 Version 3 6 3 0
Filename 0102067 DAT

ROA - 1541

Date	Time	Distance miles	Speed feet mph	DOT	Trac Effort kibs	Horn	Bell	AB	IB	EOT	PCS	Throttle	Dyn	ECP	ECP	ECP	Oper
						0123456789		psi	psi	psi	Open	Notch	Brake	Message	psi	%	Brk
05/31	19 09 54 52	1183	0	For	0		Off	0	76	0	Closed	Idle	Off	---	-	-	---
05/31	19 09 53 52	1183	0	For	0		Off	0	76	0	Closed	Idle	Off	--	-	---	---
05/31	19 09 52 52	1183	0	For	0		Off	0	76	0	Closed	Idle	Off	--	-	-	---
05/31	19 09 51 52	1183	0	For	0		Off	0	76	0	Closed	Idle	Off	-	-	-	---
05/31	19 09 50 52	1183	0	For	0		Off	0	76	0	Closed	Idle	Off	--	-	-	---
05/31	19 09 49 52	1183	0	For	0		Off	0	76	0	Closed	Idle	Off	-	-	---	---
05/31	19 09 48 52	1183	0	For	0		Off	0	76	0	Closed	Idle	Off	---	-	---	---
05/31	19 09 47 52	1183	0	For	0		Off	0	76	0	Closed	Idle	Off	--	-	---	-
05/31	19 09 46 52	1183	0	For	0		Off	0	76	0	Closed	Idle	Off	-	---	-	---
05/31	19 09 45 52	1183	0	For	0		Off	0	76	0	Closed	Idle	Off	-	---	-	---
05/31	19 09 44 52	1183	0	For	0		Off	0	76	0	Closed	Idle	Off	--	-	-	---
05/31	19 09 43 52	1183	0	For	0		Off	0	76	0	Closed	Idle	Off	-	---	-	---
05/31	19 09 42 52	1183	0	For	0		Off	0	76	0	Closed	Idle	Off	---	-	-	---
05/31	19 09 41 52	1183	0	For	0		Off	0	76	0	Closed	Idle	Off	--	-	-	---
05/31	19 09 40 52	1183	0	For	0		Off	0	76	0	Closed	Idle	Off	--	-	---	-
05/31	19 09 39 52	1183	0	For	0		Off	0	76	0	Closed	Idle	Off	--	-	-	---
05/31	19 09 38 52	1183	0	For	0		Off	0	76	0	Closed	Idle	Off	---	-	---	-
05/31	19 09 37 52	1183	0	For	0		Off	0	76	0	Closed	Idle	Off	-	-	-	---
05/31	19 09 36 52	1183	0	For	0		Off	0	76	0	Closed	Idle	Off	--	-	---	---
05/31	19 09 35 52	1183	0	For	0		Off	0	76	0	Closed	Idle	Off	---	-	---	-
05/31	19 09 34 52	1183	0	For	0		Off	0	76	0	Closed	Idle	Off	-	---	-	-
05/31	19 09 33 52	1183	0	For	0		Off	0	76	0	Closed	Idle	Off	-	---	-	-
05/31	19 09 32 52	1183	0	For	0		Off	0	76	0	Closed	Idle	Off	---	-	---	-
05/31	19 09 31 52	1183	0	For	0		Off	0	76	0	Closed	Idle	Off	-	-	---	-
05/31	19 09 30 52	1183	0	For	0		Off	0	76	0	Closed	Idle	Off	-	---	-	---
05/31	19 09 29 52	1183	0	For	0		Off	0	76	0	Closed	Idle	Off	--	-	-	---
05/31	19 09 28 52	1183	0	For	0		Off	0	76	0	Closed	Idle	Off	---	-	-	-
05/31	19 09 27 52	1183	0	For	0		Off	0	76	0	Closed	Idle	Off	---	-	-	-
05/31	19 09 26 52	1183	0	For	0		Off	0	76	0	Closed	Idle	Off	-	-	-	-
05/31	19 09 25 52	1183	0	For	0		Off	0	76	0	Closed	Idle	Off	---	-	-	---
05/31	19 09 24 52	1183	0	For	0		Off	0	76	0	Closed	Idle	Off	-	-	-	---
05/31	19 09 23 52	1183	0	For	0		Off	0	76	0	Closed	Idle	Off	--	-	-	---
05/31	19 09 22 52	1183	0	For	0		Off	0	76	0	Closed	Idle	Off	---	-	-	-
05/31	19 09 21 52	1183	0	For	0		Off	0	76	0	Closed	Idle	Off	--	-	---	---
05/31	19 09 20 52	1183	0	For	0		Off	0	76	0	Closed	Idle	Off	-	-	---	---
05/31	19 09 19 52	1183	0	For	0		Off	0	76	0	Closed	Idle	Off	-	-	-	-
05/31	19 09 18 52	1183	0	For	0		Off	0	76	0	Closed	Idle	Off	--	-	---	---
05/31	19 09 17 52	1183	0	For	0		Off	0	76	0	Closed	Idle	Off	--	-	-	---
05/31	19 09 16 52	1183	0	For	0		Off	0	76	0	Closed	Idle	Off	-	---	-	-
05/31	19 09 15 52	1183	0	For	0		Off	0	76	0	Closed	Idle	Off	---	-	-	---
05/31	19 09 14 52	1183	0	For	0		Off	0	76	0	Closed	Idle	Off	---	-	-	-
05/31	19 09 13 52	1183	0	For	0		Off	0	76	0	Closed	Idle	Off	--	-	-	-

CSX 44018

Locomotive 160 (CSX)
 Recorder 0
 Start Time May 23, 2001 03 00 00
 End Time Jun 01 2001 07 27 45

DATA TABLE
 Wheel Size 40 60
 Recorder Type IFC-CSX

WRE Recorder Data Analysis Software
 WPN 17561 Version 3 6 3 0
 Filename 0102067 DAT

Date	Time	Distance		Speed	DOT	Trac	Horn	Bell	AB	IB	EOT	PCS	Throttle	Dyn	ECP Message	ECP EOT	ECP TBC	Oper Brk
		miles	feet	mph		Effort			psi	psi	psi	Open	Notch	Brake		psi	%	%
05/31	19 09 12 52	1183	0		For	0	0123456789	Off	0	76	0	Closed	Idle	Off				
05/31	19 09 11 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off	-	-	-	---
05/31	19 09 10 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off	-	---	---	---
05/31	19 09 09 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off		-		--
05/31	19 09 08 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off	--	-	---	---
05/31	19 09 07 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off	--	-	---	---
05/31	19 09 06 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off	--	-	---	---
05/31	19 09 05 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off	---	-	---	---
05/31	19 09 04 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off	---	-	---	-
05/31	19 09 03 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off	---	---	---	
05/31	19 09 02 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off	--	-	---	-
05/31	19 09 01 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off	--	---	-	--
05/31	19 09 00 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off	--	-	---	--
05/31	19 08 59 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off	--	-	---	--
05/31	19 08 58 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off	---	---	---	---
05/31	19 08 57 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off	--	---	-	-
05/31	19 08 56 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off	-	-	---	---
05/31	19 08 55 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off	---	-	---	---
05/31	19 08 54 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off	-	---	---	---
05/31	19 08 53 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off	-	---	-	--
05/31	19 08 52 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off	-	---	---	-
05/31	19 08 51 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off	-	---	---	-
05/31	19 08 50 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off	--	-	---	---
05/31	19 08 49 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off	--			
05/31	19 08 48 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off	-	---	-	-
05/31	19 08 47 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off	-	---	---	-
05/31	19 08 46 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off		---	-	---
05/31	19 08 45 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off	--	-	-	---
05/31	19 08 44 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off	--	---	---	---
05/31	19 08 43 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off	--	-	-	---
05/31	19 08 42 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off	---	-	---	---
05/31	19 08 41 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off	-		-	---
05/31	19 08 40 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off	--	---	-	---
05/31	19 08 39 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off		---	---	-
05/31	19 08 38 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off	--	-	---	---
05/31	19 08 37 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off	--	-	---	---
05/31	19 08 36 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off	---	-	---	-
05/31	19 08 35 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off	-	-	---	---
05/31	19 08 34 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off	---	-	---	---
05/31	19 08 33 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off	---	-	---	-
05/31	19 08 32 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off	---	-	---	---
05/31	19 08 31 52	1183	0		For	0		Off	0	76	0	Closed	Idle	Off	---	-	---	-

ROA - 1542

CSX 44019

ROA - 1543

Locomotive 160 (CSX)
 Recorder 0
 Start Time May 23 2001 03 00 00
 End Time Jun 01 2001 07 27 45

DATA TABLE
 Wheel Size 40 60
 Recorder Type IFC-CSX

WRE Recorder Data Analysis Software
 WPN 17561 Version 3 6 3 0
 Filename 0102067 DAT

Date	Time	Distance miles feet	Speed mph	DOT	Trac Effort klbs	Horn 0123456789	Bell	AB psi	IB psi	EOT psi	PCS Open	Throttle Notch	Dyn Brake	ECP Message	ECP EOT psi	ECP TBC %	Oper Brk %
05/31	19 08 30 52	1183 0		For	0		Off	0	76	0	Closed	Idle	Off	-	--	--	--
05/31	19 08 29 52	1183 0		For	0		Off	0	76	0	Closed	Idle	Off	--	--	--	--
05/31	19 08 28 52	1183 0		For	0		Off	0	76	0	Closed	Idle	Off	--	--	--	--
05/31	19 08 27 52	1183 0		For	0		Off	0	76	0	Closed	Idle	Off	--	--	--	--
05/31	19 08 26 52	1183 0		For	0		Off	0	76	0	Closed	Idle	Off	--	--	--	--
05/31	19 08 25 52	1183 0		For	0		Off	0	76	0	Closed	Idle	Off	-	--	--	--
05/31	19 08 24 52	1183 0		For	0		Off	0	76	0	Closed	Idle	Off	-	--	--	--
05/31	19 08 23 52	1183 0		For	0		Off	0	76	0	Closed	Idle	Off	--	--	--	--
05/31	19 08 22 52	1183 0		For	0		Off	0	76	0	Closed	Idle	Off	--	--	--	--
05/31	19 08 21 52	1183 0		For	0		Off	0	76	0	Closed	Idle	Off	--	--	--	--
05/31	19 08 20 52	1183 0		For	0		Off	0	76	0	Closed	Idle	Off	--	--	--	--
05/31	19 08 19 52	1183 0		For	0		Off	0	76	0	Closed	Idle	Off	--	--	--	--
05/31	19 08 18 52	1183 0		For	0		Off	0	76	0	Closed	Idle	Off	--	--	--	--
05/31	19 08 17 52	1183 0		For	0		Off	0	76	0	Closed	Idle	Off	--	--	--	--
05/31	19 08 16 52	1183 0		For	0		Off	0	76	0	Closed	Idle	Off	--	--	--	--
05/31	19 08 15 52	1183 0		For	0		Off	0	76	0	Closed	Idle	Off	--	--	--	--
05/31	19 08 14 52	1183 0		For	0		Off	0	76	0	Closed	Idle	Off	--	--	--	--
05/31	19 08 13 52	1183 0		For	0		Off	0	76	0	Open	Idle	Off	--	--	--	--
05/31	19 08 12 52	1183 0		For	0		Off	0	76	0	Open	Idle	Off	--	--	--	--
05/31	19 08 11 52	1183 0		For	0		Off	0	76	0	Open	Idle	Off	--	--	--	--
05/31	19 08 10 52	1183 0		For	0		Off	0	76	0	Open	Idle	Off	--	--	--	--
05/31	19 08 09 52	1183 0		For	0		Off	0	76	0	Open	Idle	Off	--	--	--	--
05/31	19 08 08 52	1183 0		For	0		Off	0	76	0	Open	Idle	Off	--	--	--	--
05/31	19 08 07 52	1183 0		For	0		Off	0	76	0	Open	Idle	Off	-	--	--	--
05/31	19 08 06 52	1183 0		For	0		Off	0	76	0	Open	Idle	Off	--	--	--	--
05/31	19 08 05 52	1183 0		For	0		Off	0	76	0	Open	Idle	Off	-	--	--	--
05/31	19 08 04 52	1183 0		For	0		Off	0	76	0	Open	Idle	Off	--	--	--	--
05/31	19 08 03 52	1183 0		For	0		Off	0	76	0	Open	Idle	Off	--	--	--	--
05/31	19 08 02 52	1183 0		For	0		Off	0	76	0	Open	Idle	Off	-	--	--	--
05/31	19 08 01 52	1183 0		For	0		Off	0	76	0	Open	Idle	Off	-	--	--	--
05/31	19 08 00 52	1183 0		For	0		Off	0	76	0	Open	Idle	Off	--	--	--	--
05/31	19 07 59 52	1183 0		For	0		Off	0	76	0	Open	Idle	Off	--	--	--	--
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05/31	19 07 57 52	1183 0		For	0		Off	0	76	0	Open	Idle	Off	--	--	--	--
05/31	19 07 56 52	1183 0		For	0		Off	0	76	0	Open	Idle	Off	--	--	--	--
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05/31	19 07 54 52	1183 0		For	0		Off	0	76	0	Open	Idle	Off	--	--	--	--
05/31	19 07 53 52	1183 0		For	0		Off	0	76	0	Open	Idle	Off	--	--	--	--
05/31	19 07 52 52	1183 0		For	0		Off	0	76	0	Open	Idle	Off	--	--	--	--
05/31	19 07 51 52	1183 0		For	0		Off	0	76	0	Open	Idle	Off	--	--	--	--
05/31	19 07 50 52	1183 0		For	0		Off	0	76	0	Open	Idle	Off	--	--	--	--
05/31	19 07 49 52	1183 0		For	0		Off	0	76	0	Open	Idle	Off	--	--	--	--

CSX 44020

Locomotive 160 (CSX)
 Recorder 0
 Start Time May 23 2001 03 00 00
 End Time Jun 01 2001 07 27 45

DATA TABLE
 Wheel Size 40 60
 Recorder Type IFC-CSX

WRE Recorder Data Analysis Software
 WPN 17561 Version 3 6 3 0
 Filename 0102067 DAT

		Distance		Speed	DOT	Trac	Effort	Horn	Bell	AB	IB	EOT	PCS	Throttle	Dyn	ECP		ECP	ECP	Oper
		miles	feet	mph			klbs	0123456789		psi	psi	psi	Open	Notch	Brake	Message		psi	%	%
05/31	19 07 48 52	1183	0		For	0			Off	0	76	0	Open	Idle	Off	--		--	--	--
05/31	19 07 47 52	1183	0		For	0			Off	0	76	0	Open	Idle	Off	-		--		
05/31	19 07 46 52	1183	0		For	0			Off	0	76	0	Open	Idle	Off	-		--		
05/31	19 07 45 52	1183	0		For	0			Off	0	76	0	Open	Idle	Off	-		--		
05/31	19 07 44 52	1183	0		For	0			Off	0	76	0	Open	Idle	Off	--		--		
05/31	19 07 43 52	1183	0		For	0			Off	0	76	0	Open	Idle	Off	--		--		
05/31	19 07 42 52	1183	0		For	0			Off	0	76	0	Open	Idle	Off	--		--		
05/31	19 07 41 52	1183	0		For	0			Off	0	76	0	Open	Idle	Off	--		--		
05/31	19 07 40 52	1183	0		For	0			Off	0	76	0	Open	Idle	Off	--		--		
05/31	19 07 39 52	1183	0		For	0			Off	0	76	0	Open	Idle	Off	--		--		
05/31	19 07 38 52	1183	0		For	0			Off	0	76	0	Open	Idle	Off	--		--		
05/31	19 07 37 52	1183	0		For	0			Off	0	76	0	Open	Idle	Off	--		--		
05/31	19 07 36 52	1183	0		For	0			Off	0	76	0	Open	Idle	Off	--		--		
05/31	19 07 35 52	1183	0		For	0			Off	0	76	0	Open	Idle	Off	--		--		
05/31	19 07 34 52	1183	0		For	0			Off	0	76	0	Open	Idle	Off	--		--		
05/31	19 07 33 52	1183	0		For	0			Off	0	76	0	Open	Idle	Off	--		--		
05/31	19 07 32 52	1183	0		For	0			Off	0	76	0	Open	Idle	Off	-		--		
05/31	19 07 31 52	1183	0		For	0			Off	0	76	0	Open	Idle	Off	--		--		
05/31	19 07 30 52	1183	0		For	0			Off	0	76	0	Open	Idle	Off	--		--		
05/31	19 07 29 52	1183	0		For	0			Off	0	76	0	Open	Idle	Off	--		--		
05/31	19 07 28 52	1183	0		For	0			Off	0	76	0	Open	Idle	Off	--		--		
05/31	19 07 27 52	1183	0		For	0			Off	0	76	0	Open	Idle	Off	-		--		
05/31	19 07 26 52	1183	0		For	0			Off	0	76	0	Open	Idle	Off			--		
05/31	19 07 25 52	1183	0		For	0			Off	0	76	0	Open	Idle	Off	-		--		
05/31	19 07 24 52	1183	0		For	0			Off	0	76	0	Open	Idle	Off	--		--		
05/31	19 07 23 52	1183	0		For	0			Off	0	76	0	Open	Idle	Off	--		--		
05/31	19 07 22 52	1183	0		For	0			Off	0	76	0	Open	Idle	Off	--		--		
05/31	19 07 21 52	1183	0		For	0			Off	0	76	0	Open	Idle	Off	--		--		
05/31	19 07 20 52	1183	0		For	0			Off	0	76	0	Open	Idle	Off	--		--		
05/31	19 07 19 52	1183	0		For	0			Off	0	76	0	Open	Idle	Off			--		
05/31	19 07 18 52	1183	0		For	0			Off	0	76	0	Open	Idle	Off			--		
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05/31	19 07 14 52	1183	0		For	0			Off	0	76	0	Open	Idle	Off	--		--		
05/31	19 07 13 52	1183	0		For	0			Off	0	76	0	Open	Idle	Off	--		--		
05/31	19 07 12 52	1183	0		For	0			Off	0	76	0	Open	Idle	Off	-		--		
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05/31	19 07 08 52	1183	0		For	0			Off	0	76	0	Open	Idle	Off	--		--		
05/31	19 07 07 52	1183	0		For	0			Off	0	76	0	Open	Idle	Off			--		

ROA - 1544

CSX 44021

<u>HORN</u>	<u>DISTANCE</u>	<u>SOURCE</u>
Whistle Board	1357 feet	from survey
Whistle Board	1390 feet	from claim agent

TRAIN APPROACHING INCIDENT CROSSING

1st Horn Started 1347 Feet from South Edge of Crossing

1 st Horn	1 9 seconds
No Horn	8 1 seconds
2 nd Horn	1 7 seconds
No Horn	2 4 seconds
3 rd Horn	3 2 seconds
No Horn	0 10 seconds
4 th Horn	1 6 seconds
No Horn	0 60 seconds

HORN AFTER IMPACT 1 1 seconds or 90 Feet After South Edge of Crossing

INCIDENT CROSSING – south edge – 3200 feet distance column on event recorder

During 2nd horn blow, engineer went from #6 throttle to #8 throttle

LENGTH OF TRAIN OVER CROSSING = 2017 feet

TRAIN BACKED UP TO CUT CROSSING = 16 feet

EMERGENCY STOP = 1518 feet



12 E Radio communication and hand signals except stop signals must not be used simultaneously by a crew to direct train movements. When anticipating changing from one mode of signaling to another, all crewmembers involved must be notified. They must acknowledge their understanding before the change is made.

Engine Bell and Horn Signals

13 The engine bell must be rung when an engine is about to move except after momentary stops in continuous switching movements. It must be rung while

- Approaching and passing stations
- Approaching and passing public crossings at grade
- Moving through tunnels and
- When approaching persons on or around the track structure

14 The engine horn must be sounded at all places where required by rule or law or to prevent accidents.

The sound of the horn should be distinct with intensity and duration proportionate to the distance the signal is to be conveyed.

Note The prescribed signals are illustrated below with o showing short sounds and — showing long sounds.

Those signals marked with an asterisk must be sounded when and/or where applicable. Those signals without an asterisk convey information to employees. They must be used when voice communication is not available.

Horn or Whistle Signals	
Sound	Indication
(a) o	Applying air brakes while standing
(b) —	Proceeding Releasing air brakes
(c) o o o	Flagman protect rear of train
(d) —	Flagman return from the west or south
(e)	Flagman return from the east or north
(f) o o	Acknowledging a flagman's stop signal
(g) o o	Acknowledging any signal not otherwise provided for
(h) * o o o	Backing up
(i) o o o o	Calling for signals

Horn or Whistle Signals	
(l) o	1 Approaching public crossings at grade <i>this signal is to begin at the whistle post and be prolonged or repeated until the engine or train is on the crossing, or, where multiple crossings are involved until the last crossing is occupied</i> 2 Approaching tunnels yards or other points where railroad workers may be at work 3 Passing standing trains
(m) o	Approaching passenger station
(o) o	Inspect train for a leak in brake pipe system or for brakes sticking
(p) Succession of sounds	Warning to people and/or animals
(q) o	When running against the current of traffic 1 Approaching stations curves or other points where view may be obscured and 2 Approaching passenger or freight trains and when passing freight trains
(r) o	Flagman return from the east or north on No. 1 track
(s) o	Flagman return from the west or south on No. 1 track
(t) o o	Flagman return from the east or north on No. 2 track
(u) o o	Flagman return from the west or south on No. 2 track

Exception Engine horn signals required by Rules 14(b) and (h) do not apply after momentary stops in continuous switching movements.

14 A. Failure of Engine Horn

If the horn on the lead engine fails to operate en route and no other engine can be used in the lead position, the movement may continue but must stop before fouling public crossings at grade to permit a crew member to provide warning at the crossing until the lead engine occupies the crossing.

15 The engine horn will be sounded and the engine bell rung by trains approaching and passing roadway workers identified by orange hard hats and/or highly visible orange vests on or about the track.

16 The unnecessary use of either the engine horn or bell is prohibited.



Communications Of Signals

34 Communication of Signals and other Important Information

Employees must maintain a lookout for signals or conditions along track affecting the movement of their train

34-A Required Announcements

1 Within the Locomotive Cab

Employees in the operating cab of an engine must communicate the following information to each other

- the name of each signal governing the movement of their train as soon as the signal aspect is clearly visible and again just before passing it
- the name of each sign displayed in connection with
 - DTC blocks
 - yard limits
 - temporary speed restrictions
 - the protection of work forces
- the observance of burning fuseses

In multiple track territory the track name or number must be included in the announcement

2 By Radio A crewmember in the operating cab of an engine must announce by radio the following conditions or occurrences

- the name and location of each block and interlocking signal
- train entry into each DTC block from any **location**
- train departure from each DTC block as soon as the block is reported clear to the train dispatcher
- the presence of cars loaded with pulpwood in the train when approaching trains and equipment on adjacent tracks
- train entrance into a passing siding
- when stopping and each fifteen minutes after being stopped on a main track or passing siding

These announcements must include the train ID **engine number** and direction of travel. In multiple track territory the track name or number must be included in the announcement

Crewmembers not in the operating cab must acknowledge signal and DTC block announcements. If a crewmember fails to acknowledge a communication the engineer must determine the reason at the next scheduled stop

34-B Notification to Engineer

The conductor must notify the engineer of restrictions imposed by message or instructions not more than five (5) miles but not less than two (2) before reaching them

34 C Control of Train Speed

A If the engineer fails to control the train in accordance with a signal indication or restriction imposed upon his train other members of the crew must

- 1 Caution the engineer and if necessary
- 2 Take action to ensure the safety of the train (including stopping the movement)

B A train must be stopped using an emergency application of the air brakes on descending grades of one percent (1%) or more as designated in special instructions if

- 1 The automatic braking system fails to respond normally or
- 2 The train's speed reaches 5 mph more than the maximum speed permitted for that train

After stopping the following actions must be taken

- 1 Apply handbrakes to secure the train
- 2 Recharge the air brakes and make a minimum reduction
- 3 Visually inspect each car to determine that the brake shoes are against each wheel
- 4 Contact the train dispatcher

The train may proceed only after authorization from the superintendent or his/her designated representative

Spring Switches

36 Spring switches are identified by the letter S or the letters SS on the switch stand or on a nearby post. The locations and normal position of spring switches are designated in special instructions

Trailing movements may be made through a spring switch when the points are in normal position. If a train is stopped on a spring switch when making a trailing movement that springs the switch points a reverse movement must not be made nor slack taken until the switch has been manually placed in its proper position

Spring switches must not be spiked or blocked until protection for trailing movements has been arranged



COMPARISON OF CRITERION LEVELS FOR WARNING

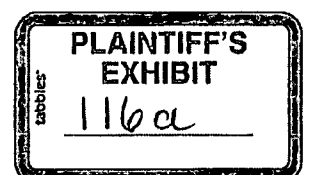
<u>Source</u>	<u>Criterion</u>
Skeiber & Mason (1978)	+ 9 dB
Mortimer (1994)	+ 10-12 dB
Fidell (1978) Fidell found perfect detection to be +4 thus	>10 = perfect detection + 14 for alerting
International Organization of Standards (2003)	+ 15 dBA + 10 dB (broad band of frequencies) + 13 dB (narrow band of frequencies)
Wilkins & Martin (1982)	+ 15 dB (at least)
Dr John Erdeich, Accoustical Consultant Ostergaard Associates (2003)	+ 16 dB
Byrne & Driscoll (1998) Warning signal/alarm	+ 15 to 25 dB (most desirable)
Locomotive crew alerter** sound level	+ 20 dB or greater
U S Dept of Defense (1981) Cockpit alarms, patient monitors, etc	+ 20
Tim Dolan _____ _____	-7 dB or less

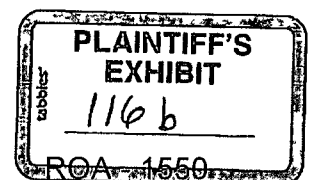
**The alerter is an acoustic signal that occurs at irregular intervals to test whether the locomotive crew is awake/alert. The sound level of the alerter is 110 dB whereas cab noise levels are typically 90 dB or less (hence, +20 or greater)





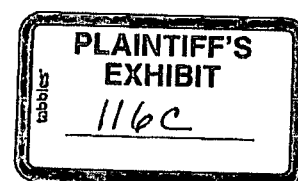
ofan mills







ROA - 1551



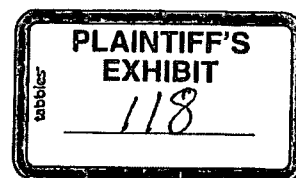


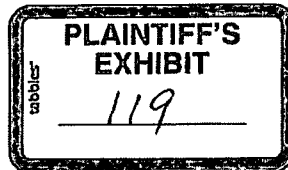
PLAINTIFF'S
EXHIBIT
116e

ROA - 1552

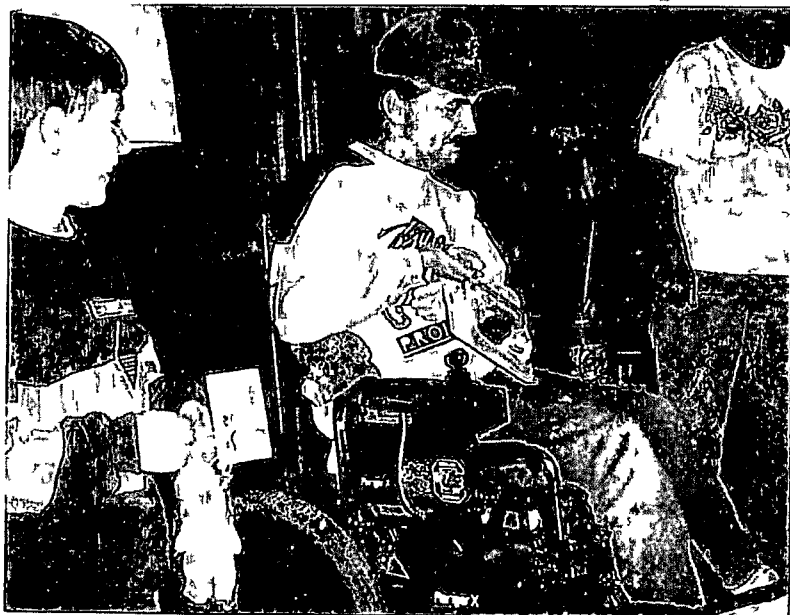


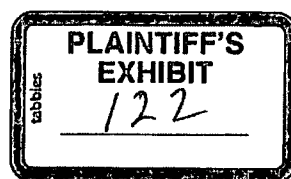




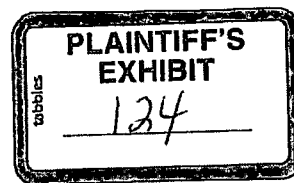


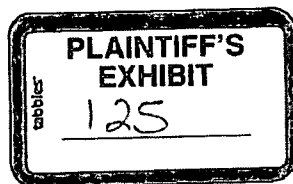


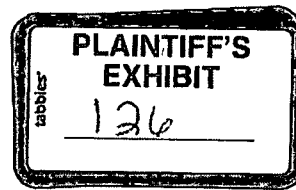




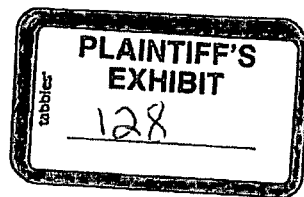


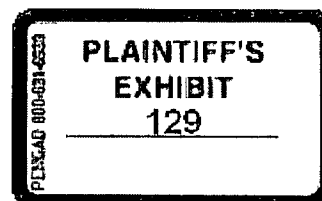


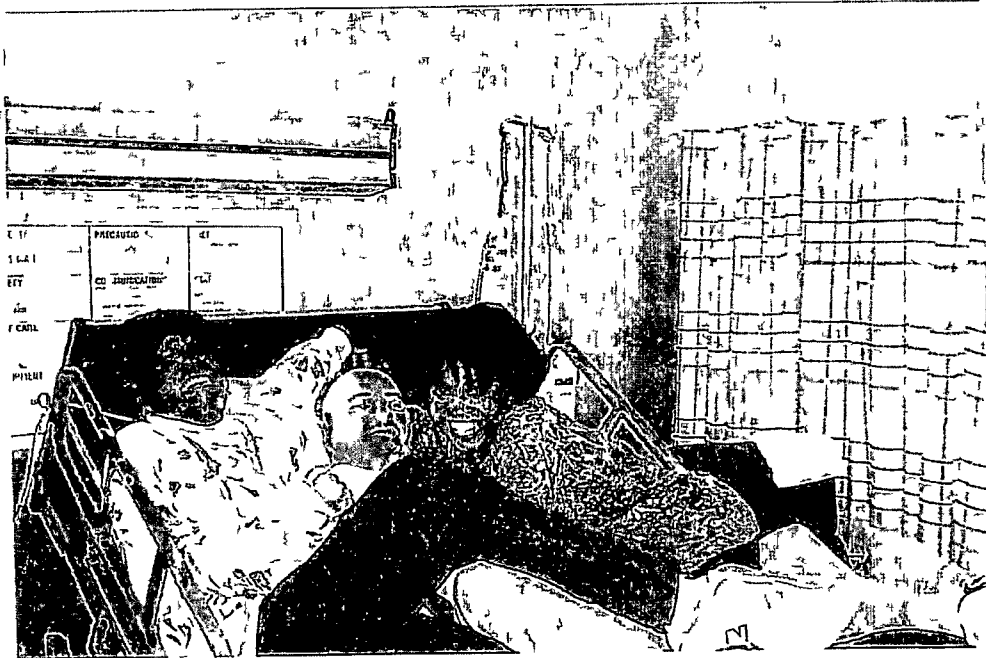






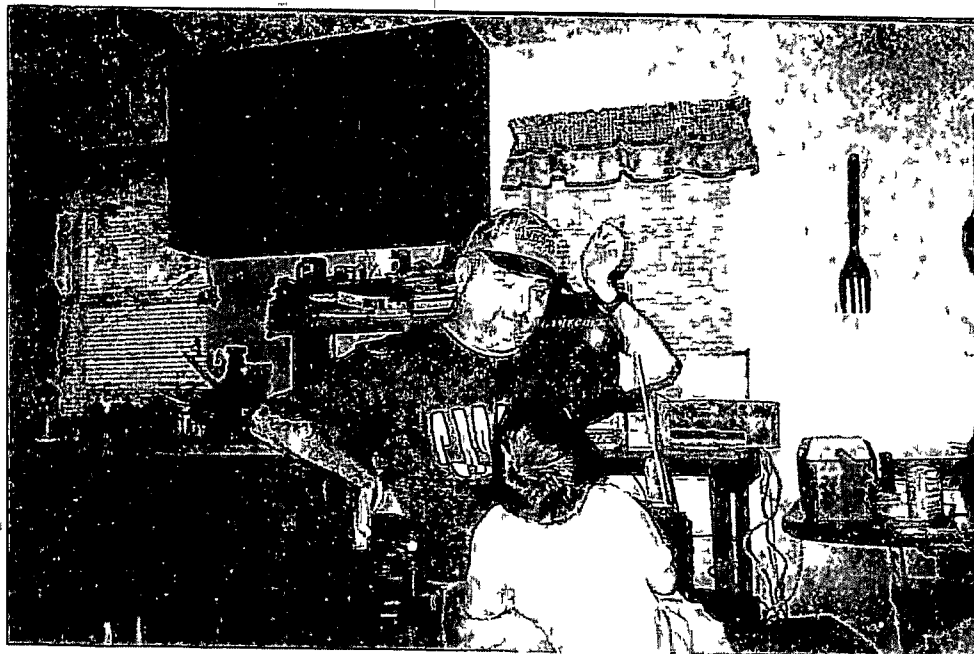




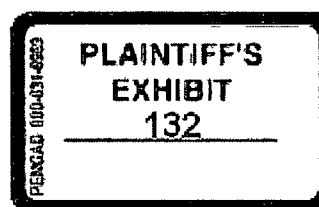
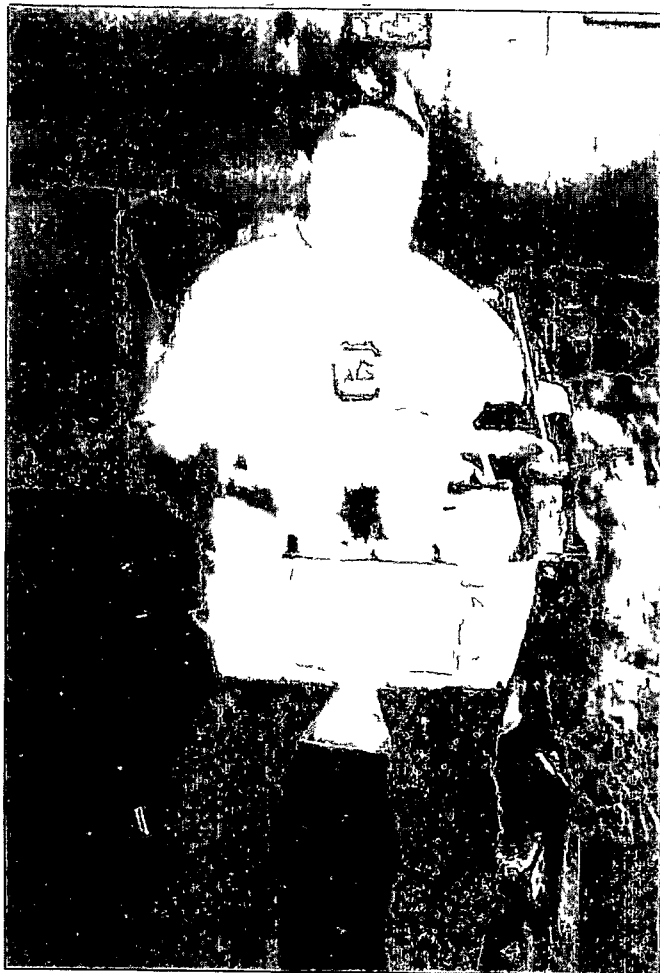


PENGAD 000-631-6200

**PLAINTIFF'S
EXHIBIT
130**

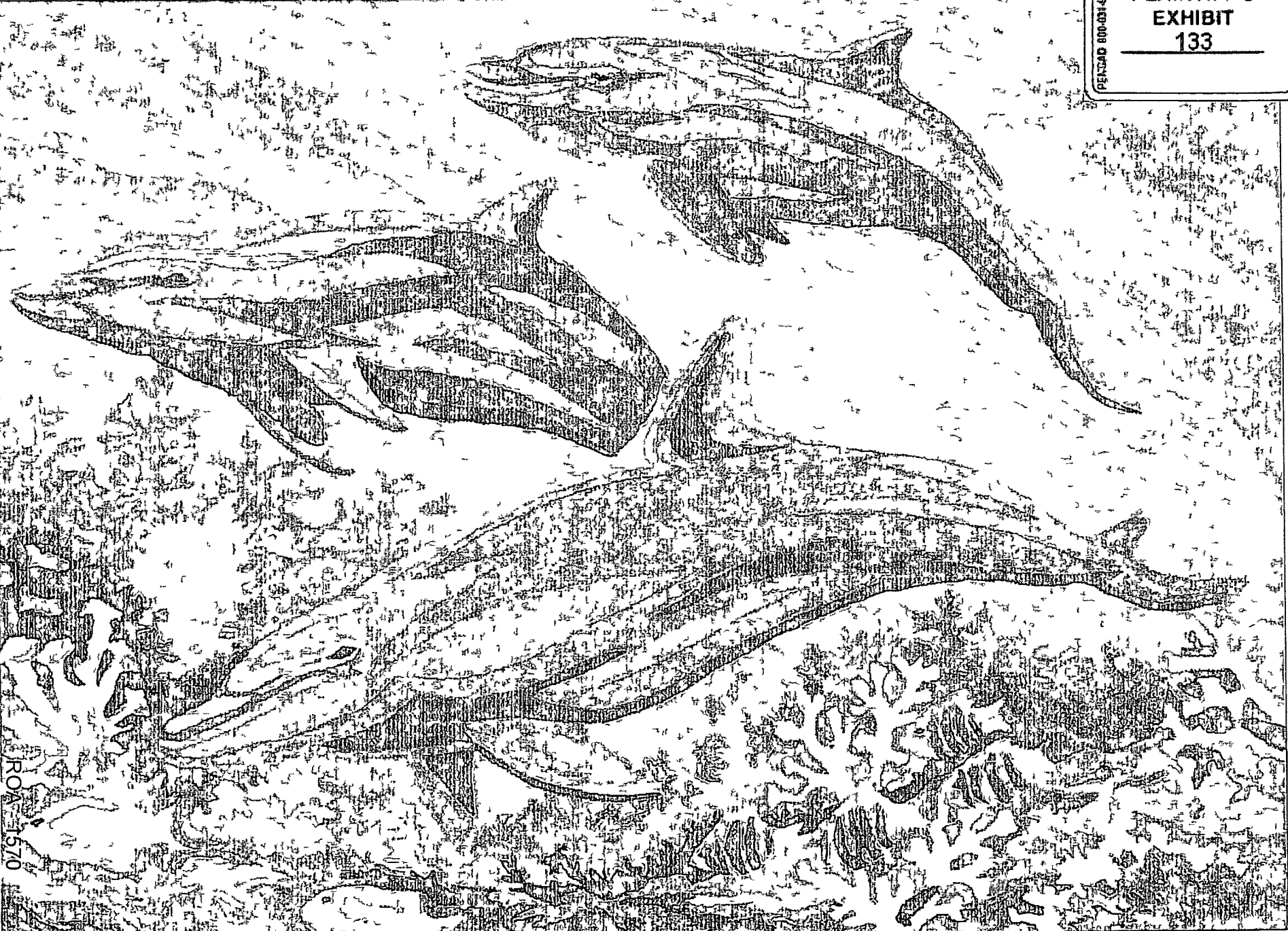


PLAINTIFF'S
EXHIBIT
131



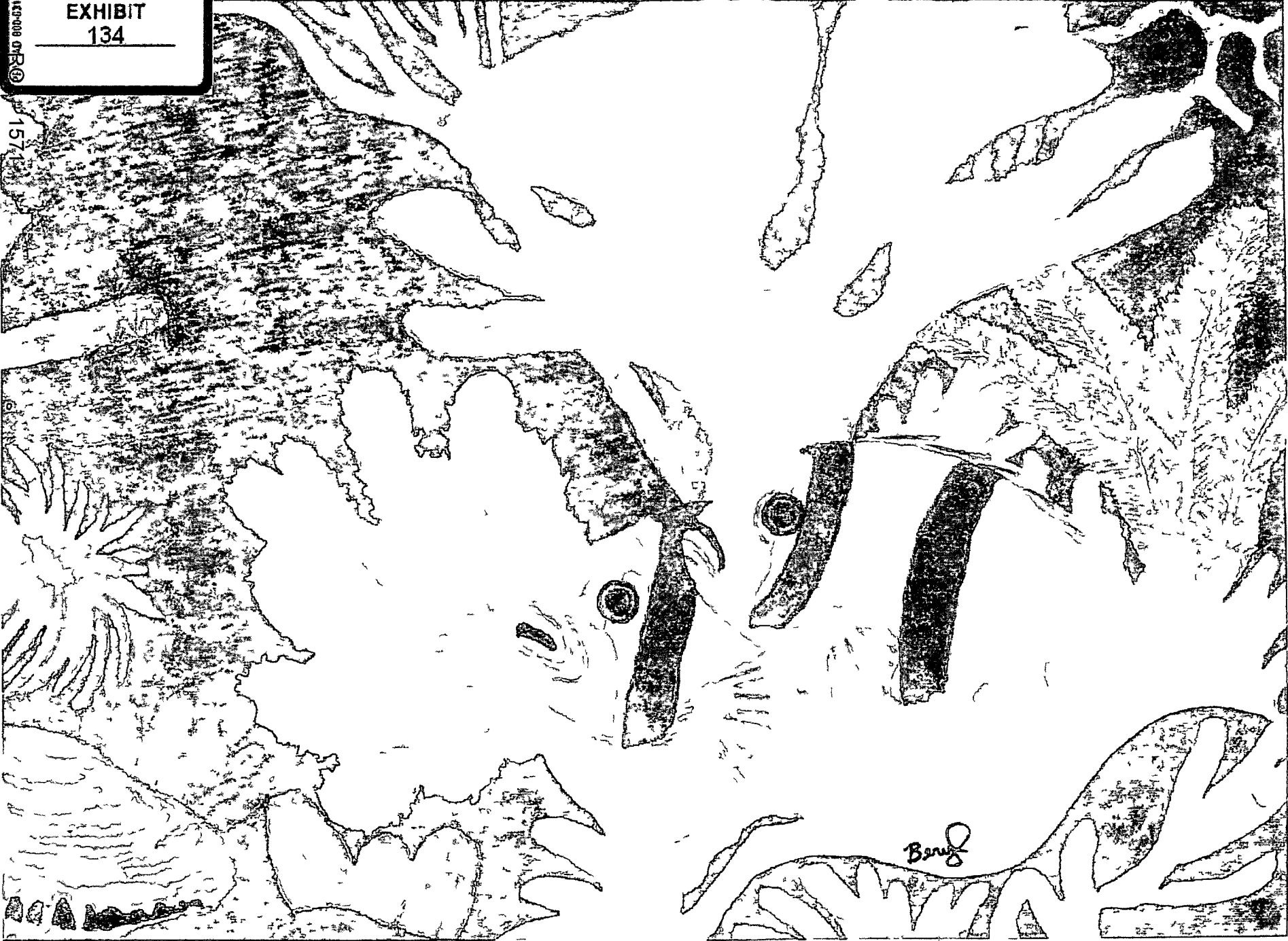
PERCADA 800-431-4333

PLAINTIFF'S
EXHIBIT
133

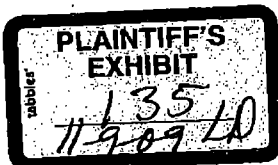


ROA-570

5327-100-008 07/08/08
PLAINTIFF'S
EXHIBIT
134



157



PREPRINT
IN
PERMANENT
BLACK INK
FOR
STRUCTURE
SEE
OTHER SIDE
OF HANDBOOK

9a.

9b.

9d.

For Use By Physician Or Institution
Pronouncing
Physician
Only →
See
Definition
On Other
Side

12a.

12b.

13a.

13b.

13c.

30e.

OHCE 670

STATE OF SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL CERTIFICATE OF DEATH									
STATE BIRTH NUMBER					STATE FILE NUMBER				
DECEASED'S NAME: First, Middle, Last 1. Beryl Glenn Harvey					SEX: Male	DATE OF DEATH (Month, Day, Year) May 30, 2004			
SOCIAL SECURITY NUMBER		AGE - Last Birthday (Years) 40	DATE OF BIRTH (Mo., Day, Year) Apr. 12, 1964		BIRTHPLACE (City, and State or Foreign Country) Hampton, SC				
WAS DECEASED EVER MARRIED? (Yes or No) No		HOSPITAL: ☐ Inpatient ☐ ER/Outpatient ☐ DOA		OTHER: ☐ Nursing Home ☐ Residence ☒ Other (Specify):					
FACILITY NAME (If not institution, give street and number) Honey Ford Rd. & US 321 at RR tracks					CITY, TOWN OR LOCATION OF DEATH Denmark		COUNTY OF DEATH Bamberg		
MARITAL STATUS - Married, Never Married, Widowed, Divorced (Specify) Never married		SURVIVING SPOUSE (If wife, give maiden name)		DECEASED'S USUAL OCCUPATION (Give kind of work done during most of working life. Do not use retired)		KIND OF BUSINESS/INDUSTRY			
RESIDENCE - STATE SC		COUNTY Bamberg		CITY, TOWN OR LOCATION Denmark		STREET AND NUMBER 6878 Carolina Highway		INSIDE CITY LIMITS? (Yes or No) No	
ZIP CODE 29042		Was Decedent of Hispanic Origin? (Specify Yes or No - If yes, specify Cuban, Mexican, Puerto Rican, etc.) No		RACE - American Indian, Black, White, etc. (Specify) White		DECEASED'S EDUCATION (Specify only highest grade completed) 12		College (1-4 or 5-)	
FATHER'S NAME - First, Middle, Last Charles A. Harvey					MOTHER'S NAME - First, Middle, Maiden Surname Frances Chesser				
INFORMANT'S NAME (Type/Print) Connie H. Carson					MAILING ADDRESS (Street and Number or Rural Route Number, City or Town, State, Zip Code) 1723 Shillings Bridge Rd. Orangeburg, SC 291				
METHOD OF DISPOSITION ☒ Burial ☐ Cremation ☐ Removal from State		PLACE OF DISPOSITION (Name of cemetery, crematory, or other place) Starr Cemetery		LOCATION - (City or Town, State) Olar, SC					
20a. ☐ Donation ☐ Other (Specify)		FUNDAL DIAL LICENSE NO. 1135		NAME AND ADDRESS OF FACILITY Mercer Funeral Home 17536 Heritage Highway Denmark, SC 29042		LICENSE NUMBER (of facility) 114			
21a. <i>Herbert E. Mount</i>		21b. <i>Herbert E. Mount</i>		21c. <i>Herbert E. Mount</i>					
21d. <i>Herbert E. Mount</i>		21e. <i>Herbert E. Mount</i>		21f. <i>Herbert E. Mount</i>					
Complete items 23a-c only when certifying physician is not available at time of death to certify cause of death.		23a. Signature and Title <i>William H. Duncan</i>		LICENSE NUMBER Coroner		DATE SIGNED (Month, Day, Year) May 31 2004			
TIME OF DEATH 7:05 P M		DATE PRONOUNCED DEAD (Month, Day, Year) May 30 2004		WAS CASE REFERRED TO MEDICAL EXAMINER/CORONER? (Yes or No) Yes					
27. PART I. Enter the diseases, injuries, or complications that caused the death. Do not enter the mode of dying, such as cardiac or respiratory arrest, shock, or heart failure. List only one cause on each line.		IMMEDIATE CAUSE (Final disease or condition resulting in death) Blunt Force Trauma to head & chest		DUE TO (OR AS A CONSEQUENCE OF):		Approximate Interval Between Onset and Death			
Sequently list conditions, if any, leading to immediate cause. Enter UNDERLYING CAUSE (disease or injury that initiated events resulting in death) LAST		b. DUE TO (OR AS A CONSEQUENCE OF):		c. DUE TO (OR AS A CONSEQUENCE OF):					
PART II. Other significant conditions contributing to death but not resulting in the underlying cause given in Part I.		AUTOPSY (Yes or No) Yes		IF YES, WERE AUTOPSY FINDINGS CONSIDERED IN DETERMINING CAUSE OF DEATH? (Yes or No) Yes					
29. MANNER OF DEATH: ☐ Natural ☐ Pending investigation ☒ Accident ☐ Suicide ☐ Homicide		DATE OF INJURY (Month, Day, Year) May 30 2004		TIME OF INJURY (Yes or No) 7:05 P M		INJURY AT WORK? (Yes or No) No		DESCRIBE HOW INJURY OCCURRED Passenger in van, hit by train	
PLACE OF INJURY - (Home, Farm, Street, Factory, Office, etc.) (Specify) Train Track		LOCATION (Street and Number or Rural Route Number, City or Town, State) located Honey Ford Rd & Hwy 321 Denmark							
CERTIFIER (Check only one) ☐ CERTIFYING PHYSICIAN (Physician certifying cause of death) ☐ MEDICAL EXAMINER ☒ CORONER ☐ PRONOUNCING AND CERTIFYING PHYSICIAN (Physician both pronouncing death and certifying to cause of death)		NAME OF ATTENDING PHYSICIAN IF OTHER THAN CERTIFIER							
31. SIGNATURE AND TITLE OF CERTIFIER To the best of my knowledge, death occurred at the time, date and place, and due to the cause(s) and manner as stated. <i>William H. Duncan</i>		LICENSE NUMBER Coroner		DATE SIGNED (Month, Day, Year) May 31 2004					
32. NAME AND ADDRESS OF PERSON WHO SIGNED IN 31a. (Type/Print) Willard H Duncan PO Box 927 Bamberg SC 29003									
33. REGISTRAR'S SIGNATURE <i>Lillian Melissa Mount</i>		DATE FILED (Month, Day, Year) June 08, 2004							

CHARGE FOR SERVICES SELECTED

1. Professional Services:

Basic Services of Funeral Director & Staff 1990
 Embalming (can't autopsy) 650
 Other Preparation of Body

Facilities, Equipment & Staff:

Use of Facilities & Staff for Viewing / Visitation 375
 Use of Facilities & Staff for Funeral Ceremony 375
 Use of Facilities & Staff for Memorial Service
 Use of Equipment & Staff for Graveside Service
 Use of Equipment & Staff for Church Service

3. Transportation:

Transfer of Remains to Funeral Home N/A N/A
 Hearse 200
 Limousine
 Sedan
 Service / Utility Vehicle

4. Other Services/Facilities/Equipment:

TOTAL OF SERVICES SELECTED (A) \$ 3590.00

CHARGE FOR MERCHANDISE SELECTED

Casket (or other receptacle) 1950.00

Name/No.
 Material

Color

Outer Burial Container 950.00

Name/No.
 Material

Acknowledgement Cards

Register Book

Memory Folders / Prayer Cards

Cremation Urn

Clothing

TOTAL OF MERCHANDISE SELECTED (B) \$ 2900.00

MERCER FUNERAL HOME

17536 Heritage Highway

P.O. Box 341

Denmark, South Carolina 29042

(803) 793-4211

PLAINTIFF'S
EXHIBIT

137
11-209-1A

DECEASED

DATE OF DEATH

Mr. Beryl G. Harvey
MAY 30, 2004

NO.

DATE OF STATEMENT

June 1, 2004

STATEMENT OF FUNERAL GOODS AND SERVICES SELECTED

Charges are only for those items that you selected or that are required. If we are required by law or by a cemetery or crematory to use any items, we will explain the reasons in writing below.

C. SPECIAL CHARGES

Forwarding remains to

Receiving remains from

Immediate burial

Direct cremation

TOTAL OF SPECIAL CHARGES (C)

D. CASH ADVANCES

Certified Copies of Death Certificate

@ \$ each

Beautician

Clergy

Musician

Newspaper Notices paid # (1) 75.00

Opening & closing grave 510.00

Cemetery

tents 100.00

TOTAL OF CASH ADVANCES (D) \$ 712.00

We charge you for our services in obtaining: (specify cash advance items) opening and closing grave, obituaries

SUMMARY

Total Funeral Home Charges (A+B+C) \$ 4490.00

Sales Tax, if applicable \$ 174.00

Total Cash Advances (D) \$ 712.00

COMPLETE TOTAL \$ 5376.00

PAYMENT RECEIVED FROM

BALANCE DUE

DISCLOSURES

If you selected a funeral that may require embalming, such as a funeral with viewing, you may have to pay for embalming. You do not have to pay for embalming you did not approve if you selected arrangements such as a direct cremation or immediate burial. If we charged for embalming, we will explain why below.

Reason for embalming: authorized by Mrs. Connie Carson (sister)
 If any law, cemetery or crematory requirements have required the purchase of any items listed, the law or requirement is explained below.

ACKNOWLEDGEMENT AND AGREEMENT

I (we) authorize this funeral home to perform services, furnish goods, and incur outside charges specified on this Statement. I (we) acknowledge that I (we) received a General Price List, a Casket Price List and an Outer Burial Container Price List.

TERMS:

Full payment is due no later than
 If any payment is not paid when due, an unanticipated LATE CHARGE of

11.5% per month ANNUAL PERCENTAGE RATE 18%
 on the unpaid balance will be due. I (we) have read (or been read) in above, accept and approve same, and jointly and severally promise to make full payment. Receipt of a copy of this Statement is acknowledged.

Signed: ✓ Connie Carson

Social Security No.

Address

City/State

Zip Telephone

Co-Signed

Co-Signed

ACCEPTANCE: This funeral establishment agrees to provide all service merchandise and cash advances indicated on this Statement.

By: H. E. M. ...

ADDITIONAL ITEMS ORDERED LATER

AUTHORIZED
DEALER
GEORGIA MARBLE
WINNSBORO
AND
GEORGIA GRANITE

MONUMENTS - MEMORIALS
MAUSOLEUMS

MARBLE
FACING - HEARTHES MANTELS

MARBLE FLOOR TILE
FOR
BATH AND FOYER

MARBLE TOPS COUNTERS
LABORATORIES VANITIES

DECORATING ACCESSORIES
FOR
HOME YARD PATIO

ORANGEBURG MEMORIAL WORKS, INC.

ROBERT M RIORDAN GENERAL MANAGER

MONUMENTS

P.O. BOX 543
ORANGEBURG SOUTH CAROLINA 29115
329 BROUGHTON S.W.

August 30, 2004

PHONE 534-5310 (Office)
PHONE 534 7001 (Home)
1-800-838-5310 (Office)

Ref 2-0x0-6x2-0 (monument) polished front
and back with the top and sides to be rough. Design
using GAMECOCK on the left top and MIAMI DOLPHIN on
the top right. Design NIELSEN D-872, Ties That Bind
(see picture) All materials to be in grey granite
3-6x1-0x0-4 (base) polished top, rough sides
(2) circular Italian grey marble vases
(1) 0-10x0-5x0-6 (ft stone) polished top, rough si
STARR CEMETERY, OLAR, S.C.

Mrs. Connie Carson
1723 Shillings Bridge Rd.
Orangeburg, S.C. 29115

Dear Mrs. Carson,

Please review all typed particulars here in this letter and
if all above and below are correct, please sign below and return.
Thank You.

Gamecock

IN LOVING MEMORY

Miami Dolphin

BERYL ~~GLAIN~~ GLAIN
HARVEY

APR 12, 1964

MAY 30, 2004

FOREVER IN OUR HEARTS

SON

We are to put black lithochrome in all lettering a design

We have received \$400.00 by receipt #1770 leaving a balance
of \$421.50 payable upon completion. Thank You.

PLEASE SIGN HERE AND RETURN

Connie Carson

Sincerely,

Mike Riordan
R. M. Riordan, Jr (Mike)
ORANGEBURG MEMORIAL WORKS, INC



ROA - 1574

TO THE ESTATE OF

Orangeburg S C

м.з. Латвия Сан.зот

1723 Shullwas Bridge Rd

Onuano 29/11/5

Orangeburg Memorial Works, Inc

DEALERS IN

329 Broughton S W
P O Box 543
Orangeburg S C 29116

———— MONUMENTS ————
R M RIORDAN OWNER

1 800 838 5310
Phone (803) 534-5310
Phone (803) 534-7001

Labels have been placed

\$	421	50
----	-----	----

ORANGEBURG MEMORIAL WORKS, INC

323 Broughton S W P O Box 543
Orangeburg SC 29115 Orangeburg SC 29116
Phone 803 534 5310 or 1 800 838 5310

1900

DATE 11/22, 2004

RECEIVED FROM

Mrs. Corrie Carson

PAID TO ORDER OF \$ 421.50

FOR

Amount of Account \$ 421.50
 Amount Paid \$ 421.50
 Balance Due \$ — 0 —
 Cash ☐ Check ☐ MO ☐ CC ☐

THANK YOU!

By

RECEIPT

DATE Oct 1 2004 NO. 3852

RECEIVED FROM Francis Harvey

ADDRESS _____

Four hundred dollars & no \$ 400⁰⁰

FOR Cemetery Plot - Star Cemetery

ACCOUNT		
AMT OF ACCOUNT	<u>400</u>	<u>00</u>
AMT PAID	<u>400</u>	<u>00</u>
BALANCE DUE	—	—

☒ CASH

☐ CHECK

☐ MONEY ORDER

BY Elizabeth B Amos

©1998 REDIFORM® 8L820

Kusty
Roscoe - Myers

S-3-509

Next Rd

Darkwood Ter

where I turn in Has on Left

Silver Van

1986 Chevy Van 20

1GBEG25H9G7106542

#3 - 16'

no Line

#2 - 18'6"

Edge of Line

#1 - 25'7'

See 25' - Good



H

Eye Height in Driver's seat 62"

Steering Wheel to Front Bumper 4'

Plaintiff's Exhibit 161
Survey of Map
(Large Exhibit-Produced Separately)

~ ~ ~



ALL STATE LEGAL
DEFENDANT'S
EXHIBIT
1



ALL STATE LEGAL
DEFENDANT S
EXHIBIT
2



ALL-STATE LEGAL
DEFENDANT'S
EXHIBIT
3



ALL STATE LEGAL
DEFENDANT'S
EXHIBIT
4



ROA-1584

11/20/01

Roadway Information

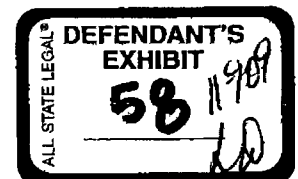
Roadway #	S 05-47	
# of Lanes	2	
Width Lane 1	11.8	
Width Lane 2	11.4*	
Width Lane 3	—	
Total Width	23	
Shoulder	☒ Yes	☐ No
Pavement	☒ Yes	☐ No
Gravel	☐ Yes	☒ No
Dirt	☐ Yes	☒ No
Straight	☒ Yes	☐ No
Curve	☐ Yes	☒ No
Level	☒ Yes	☐ No
Grade	☐ Yes	☒ No
Hillcrest	☐ Yes	☒ No
Weather Conditions		
Dry	☒	Wet ☐
Icy	☐	Mud ☐
Snow	☐	Other ☐

Roadway #	N/A	
# of Lanes	—	
Width Lane 1	—	
Width Lane 2	—	
Width Lane 3	—	
Total Width	—	
Shoulder	☐ Yes	☐ No
Pavement	☐ Yes	☐ No
Gravel	☐ Yes	☐ No
Dirt	☐ Yes	☐ No
Straight	☐ Yes	☐ No
Curve	☐ Yes	☐ No
Level	☐ Yes	☐ No
Grade	☐ Yes	☐ No
Hillcrest	☐ Yes	☐ No
Weather Conditions		
Dry	☐	Wet ☐
Icy	☐	Mud ☐
Snow	☐	Other ☐

Lighting*	
Daylight	☒ Yes ☐ No
Dawn	☐ Yes ☒ No
Dusk	☐ Yes ☒ No
Dark	☐ Yes ☒ No
Street Lights	☐ Yes ☒ No
*Road Defect***	
Defects?	☐ Yes ☒ No
If yes describe _____	
Vision Obstruction*	
None	☒ Vehicles ☐
Building	☐ Snow Bank ☐
Sign	☐ Vegetation ☐
Curve	☐ Sun Light ☐
Hill	☐ Other ☐

Road Marking Diagram

1 ☐	2 ☒	3 ☐	4 ☐ Other (Please sketch)
----------------------------	---------------------------------------	----------------------------	--



Train Information

Make of Engine Cat Year 1966 Serral Number F75730
 Engine # 160 Number of Engines 2 Total Number of Cars 61

Owner	<u>CSX Transportation Inc</u>		
Address	<u>1401 Staley Av</u>		Work Phone <u>(912) 944 1466</u>
	<u>Savannah Ga 31402</u>		

Engineer	<u>Stephens Michael G</u>		
Address	<u>9 Parish Way</u>		Home Phone <u>(912) 927 - 3003</u> Work Phone <u>(912) 944 - 1466</u>
	<u>Pooler GA 31322</u>		

Rail Road Speed Limit 50 Posted? Yes Train Type Freight

	Equipped	Operative
Headlight (One)	Yes	Yes
Horn	Yes	Yes
Bell	No	No
Wig Wags (two)	Yes	Yes
Sandbox	No	No
Other	No	No

Describe the actions of the train operator
 Started Blowing horn at whistle post saw Unit #1 on crossing kept blowing whistle turned his head so as not to see the driver when striking the van
 Put the train brakes in Emergency stop

Crossing Information

Crossing ID Number 634 785 N

	Equipped	Operative
Crossing Gates	No	No
Signal Lights	No	No
Bell	No	No
Stop Sign	Yes	Yes
Whistle Post	Yes	Yes
Other		

	Equipped	Operative
RR Warning Signs	Yes	Yes
RR Pavement Markings	Yes	Yes
RR Cross Buck	Yes	Yes
Baricades	No	No

Describe damage to train or railroad property Train had bent metal on the front end mostly on the left center



SOUTH CAROLINA DEPARTMENT OF PUBLIC SAFETY
AFFIDAVIT

STATE OF SOUTH CAROLINA
COUNTY OF BAMBERG

Case Number N-632389

PERSONALLY appeared before me Jimmie Bonner, who states:

I reside at 606 Sincerest Blvd. in Savannah Ga
(912) 944-1466 Address City State
Telephone: (912) 897-3798

Date of Birth: 11-09-44 Social Security Number:
I have 12 years of education, and I can/cannot read and write. This statement is given on 5-30, 2004
at 8:15 PM am/pm in the presence of ESGT WALKER who has officially identified
himself/herself as an officer of the SOUTH CAROLINA DEPARTMENT OF PUBLIC SAFETY

I was the Conductor on Train F75730
North Bound from Savannah to Cayne
With Two Engines and 6 Cars Running 47 MPH
At 1900 hours I was Looking Ahead and
saw a Tow Van Pull on track and stop
We were at the crossing and the Van stop
Called for Help via 911 and Coast.

✓
LCB

I have read each page of this statement of 1 page(s). Each page of which bears my signature, and corrections, if any, bear my initials. I
certify that this statement is true and correct to the best of my knowledge and belief. I also declare that I was not told or prompted what to say in
this statement and that I give the above statement of my own free will without promise or hope of reward, without fear or threat of physical harm,
without coercion, favor, and without leniency or offer of leniency, by any person or persons whomever.

This statement was completed at 8:15 am / pm on the 30 day of May, 2004

SWORN TO AND SUBSCRIBED BEFORE ME
THIS 30 DAY OF May, 2004

Henry Smith
Notary Public For South Carolina

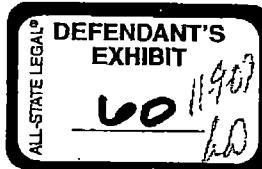
My Commission Expires 8-21-08

J Bonner
Affiant
ESGT
Witness
Det. Z. Williams
Witness
BISO

Page 1 of 1 pages

DPS-LE-017B
Rev 3/00

WHITE, Investigating Officer



DINZ, Affiant



SOUTH CAROLINA DEPARTMENT OF PUBLIC SAFETY
AFFIDAVIT

STATE OF SOUTH CAROLINA
COUNTY OF BAMBERG

Case Number 2-632389

PERSONALLY appeared before me Jack Cowan, who states:

I reside at 25 Vista Point Drive in SAVANNAH, GEORGIA
(912) 944-6614 (912) 354-7905
Address City State

Telephone: Work Home
Date of Birth: 6/02/35 Social Security Number: _____

I have 16 years of education, and I can/cannot read and write. This statement is given on 30th, 2004
at 8:40 am/pm in the presence of ESGT WALKER who has officially identified
himself/herself as an officer of the SOUTH CAROLINA DEPARTMENT OF PUBLIC SAFETY

I was Engineer on Train F 75730 on May 30, 2004.
We approach Hordyford Road. My Engineer Trainee was operating
Train F 757 Northbound SAVANNAH to Cayne SC - M.G. Stephens
was blowing the Horn from the whistle post to crossing
when a CHEV-VAN approached slow - The driver of the Van
never looked - slowed down for the crossing momentary to
avoid rough crossing to protect front-end of Van. (Crossing
is on the right side of the road)
The Train struck the Van (Middle) on Drivers side
The Engineer Trainee - Stephens had placed the Train brakes
in Emergency Application - We did everything possible to
Avoid Accident.

I have read each page of this statement of _____ page(s). Each page of which bears my signature, and corrections, if any, bear my initials. I
certify that this statement is true and correct to the best of my knowledge and belief. I also declare that I was not told or prompted what to say in
this statement and that I give the above statement of my own free will without promise or hope of reward, without fear or threat of physical harm,
without coercion, favor, and without leniency or offer of leniency, by any person or persons whomsoever.

This statement was completed at 0855 am/pm on the 30 day of May, 2004

SWORN TO AND SUBSCRIBED BEFORE ME
THIS 30 DAY OF May, 2004

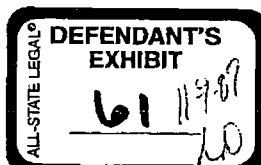
Thomas Lewis
Notary Public For South Carolina

My Commission Expires 8-21-08

Jack Cowan
Affiant
James Walker
Witness
James Walker
Witness

DPS-LE-017B
Rev. 3/00

WHITE: Investigating Officer



PINK: Affiant

Page 1 of 1 pages

ROA - 1588



SOUTH CAROLINA DEPARTMENT OF PUBLIC SAFETY
AFFIDAVIT

STATE OF SOUTH CAROLINA
COUNTY OF RAMBERG

Case Number 632389

PERSONALLY appeared before me Michael G. Stephens, who states:

I reside at 9 Parish Way in Pooler, GA
Address City State

Telephone: (912) 944-1466 Work (912) 927-3003 Home

Date of Birth: Sept 16-1972 Social Security Number ---
I have 12 years of education, and I can/cannot read and write. This statement is given on 30 May 2004
at 1900 am/pm in the presence of F/SGT N.D. Wallen who has officially identified
himself/herself as an officer of the SOUTH CAROLINA DEPARTMENT OF PUBLIC SAFETY.

We were traveling north on F75730 at 1900 PM
at mile post 5414. We started (Engineer Trainee) blowing
the horn at the whistle post and a light brown custom
van pulled up to the crossing and stopped and then started
moving and stop on the rail tracks. I blew continuously
on the horn. The van stayed on the crossing. I turned
around so that I would not see the persons in the van
and when we hit the van and I put the train in
emergency and we stopped. And we called for help. At
our speed when we hit the car was 47 mph.

MS

I have read each page of this statement of 1 page(s). Each page of which bears my signature, and corrections, if any, bear my initials. I
certify that this statement is true and correct to the best of my knowledge and belief. I also declare that I was not told or prompted what to say in
this statement and that I give the above statement of my own free will without promise or hope of reward, without fear or threat of physical harm,
without coercion, favor, and without leniency or offer of leniency, by any person or persons whomsoever.

This statement was completed at 0620 am/pm on the 30 day of May, 2004.

SWORN TO AND SUBSCRIBED BEFORE ME

THIS 30 DAY OF May, 2004

[Signature]
Notary Public For South Carolina

My Commission Expires 8-21-08

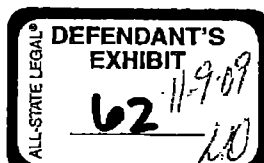
Michael Stephens
Affiant
N.D. Wallen
Witness
Def E. Williams
Witness

Page 1 of 1 pages

DPS-LE-017B
Rev. 3/00

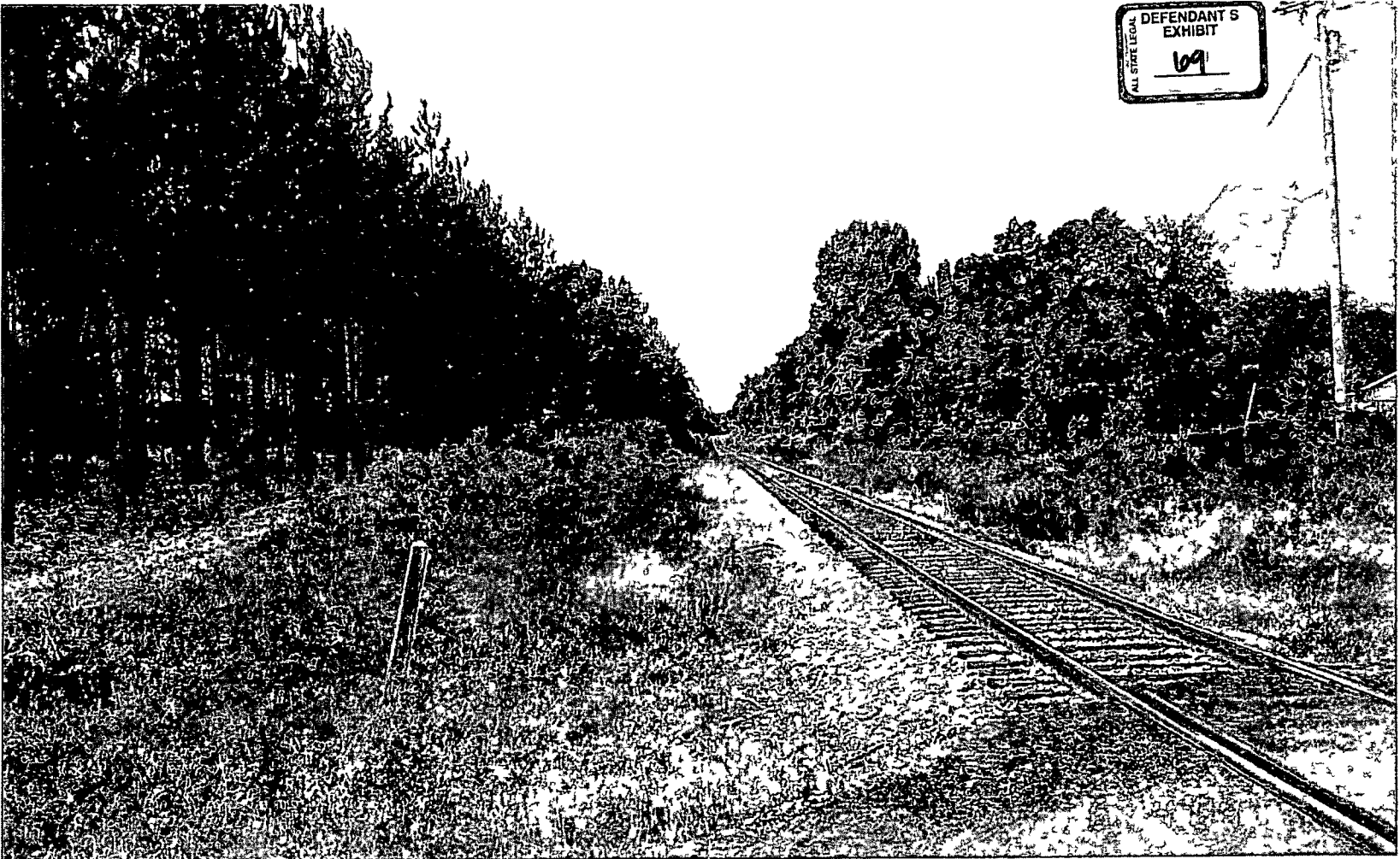
WHITE: Investigating Officer

PINK: Affiant



ROA - 1589





ALL STATE LEGAL
DEFENDANT'S
EXHIBIT
70



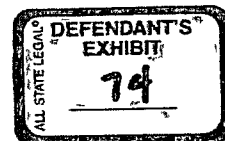
ROA - 1592





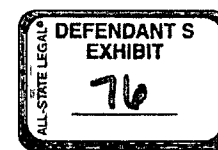
ROA - 1595







ALL STATE LEGAL
DEFENDANT'S
EXHIBIT
75



ROA 1598





DEFENDANT'S
EXHIBIT
70





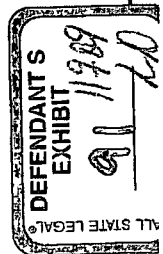
ALL STATE LEGAL
DEFENDANT'S
EXHIBIT
86

REPORT NO 39 DATE 6-11-63
SHIPPING DOCUMENT NO _____
PAGE NO 1 OF 3
CONTRACT NUMBER 928301

☒ TOTAL VEGETATION CONTROL ☐ SELECTIVE VEGETATION CONTROL

WE WORKED AN ACCIDENT FREE DAY
I CERTIFY THESE ENTRIES ARE TRUE AND CORRECT
OTHER COMPANY OPERATOR
RAILROAD REPRESENTATIVE
OPERATOR
RAILROAD DIVISION
FAT RAILROAD INSTRUCTIONS

CSX42156



SPRAY AND USAGE LOG

ASPLUNDH
RAILROAD DIVISION

Report No. 39 Page No. 2
Date 6-11-03

LOCATION SPRAYED (List Yard tracks by Name or Number and Main Line by Mile Post and Town)

Time	Mile Post or Place	Type Solution	Type Solution	Type Solution
		Meter Reading	Meter Reading	Meter Reading
		R20361	R40461	R20361
		81	54	X

Remarks: Spray Plan City Vegetation State Lines Areas not Treated, Etc.

11471414123271116511181 Denmark

WE WORKED ACCIDENT FREE DAY

RAILROAD REPRESENTATIVE

OPERATOR

*Gallons figures shown on these sheets are unofficial and may not be the same as shown on invoices which are official measurements corrected for temperature variation

FORM RR-6 (rev 02/00)

WHITE-RD DIV WILLOW GROVE CANARY-RR PER INSTRUCTIONS GOLDENROD-OPERATOR PINK-RR PER INSTRUCTIONS

CSX42157

ROA - 1604

CSX FLORENCE MAIN BALLAST R20X4 PROGRAM 1619

CSX42159

ASPLUNDY
TREE EXPERT CO.
RAILROAD DIVISION
DAILY INFORMATION LOG
705 BLAIR HILL ROAD
WILLOW GROVE, PA 19080

RAILROAD: _____ DIVISION: 1st

ALL STATE LEGAL
DEFENDANT'S
EXHIBIT
92-91-988
92-91-988

ROA - 1606

ASPLUNDH
RAILROAD DIVISION

Report No. 114 Page No. 2
Date 7-30-63

1966	112	720				Deer Creek Side
						Deer Creek Cor. Trk

WE WORKED ACCIDENT FREE DAY

RAILROAD REPRESENTATIVE

OPERATOR

*Gallonage figures shown on these sheets are unofficial and may not be the same as shown on invoices which are official measurements corrected for temperature variation.

FORM RR-6 (rev 02/00)

WHITE-RR DIV WILLOW GROVE CANARY-RR PER INSTRUCTIONS • GOLDENROD-OPERATOR PINK-RR PER INSTRUCTIONS

CSX42165

SPRAY AND USAGE LOG

ASPLENDH
RAILROAD DIVISION

Report No. 117 Page No. 3
Date 7-30-03

RAILROAD REPRESENTATIVE

WE WORKED ACCIDENT FREE DAY

OPERATOR

*Gallons figures shown on these sheets are unofficial and may not be the same as shown on invoices, which are official measurements corrected for temperature variation

FORM RR-6 (rev 02/00)

WHITE-RR DIV WILLOW GROVE CANARY-RR PER INSTRUCTIONS GOLDENROD-OPERATOR PINK RR PER INSTRUCTIONS

CSX42166

ROA - 1608

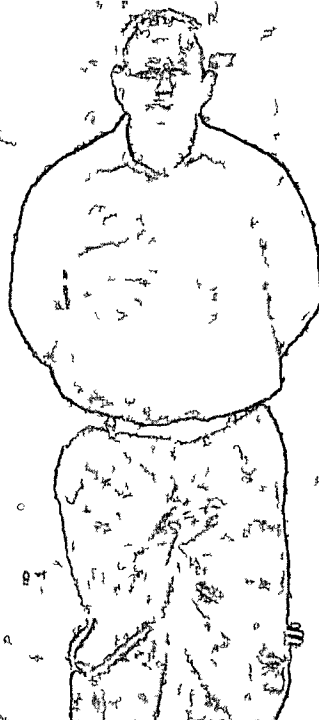
Defendant's Exhibit 103
CD
Animation by Fay
Engineering

FAY ENG - 0001

160

160

WATCH
YOUR
STEP



DEFENDANT S
EXHIBIT

ROA

16104

4/15/09 Performed an photogrammetric analysis on the LOS brush, then compared it to Don Gews' measurements at site. They lined up very well His 1014 inrb @ 70" post stop bar is consistent.

Driver position in Van is
3.5 ft forward of xgc, 1.5 ft to left
+ 5.4 ft above ground
⇒ Driver is 4.9 ft from front bumper.

Defendant's Exhibit 145

**Animation by Gary Huett
(Retained by the Trial Court)**

Defendant's Exhibit 146-D
Blow-up Comparison Animation
(Retained by the Trial Court)

Defendant's Exhibit 150

**Blow-up Map Drawing
(Retained by the Trial Court)**

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CLYDE A. ELTZROTH JR
J PAUL DETRICK
DANIEL E HENDERSON
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RONNIE L CROSBY
R ALEXANDER MURDAUGH
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February 9, 2010

William F Barnes III
Email wbarnes@pmped.com

Ms Lisa H Davenport
P O Box 165
Aiken SC 29802

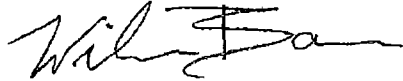
*Re Connie Carson as PR for Beryl Harvey
v CSX Transportation Inc and SCDOT
Civil Action Nos 2006-CP-05-0034, 2006-CP-05-107*

Dear Lisa

The above referenced case was tried before Judge Early in Bamberg County from November 9-17, 2009. As the court reporter for this trial, we would appreciate you furnishing us with a copy of the **complete trial transcript** in this case as soon as conveniently possible. In addition, please provide us with the transcript for the post-trial motions hearing held on December 17, 2009, in Aiken.

With kind regards, I am

Sincerely,



William F Barnes, III

WB,III/dlm

Honorable Jeannette Barber Clerk, SC Court of Appeals
SC Court Administration
Mark C Wilby Esquire/Elizabeth A McLeod, Esquire
John Millberg Esquire
J Christopher Wilson Esquire

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William F. Barnes III
Email: wbarnes@pmped.com

February 9, 2010

The Honorable James B. Hiers
Bamberg County Clerk of Court
Post Office Box 150
Bamberg, SC 29003

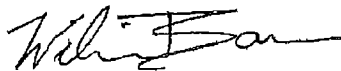
*Re: Connie Carson as PR of the Estate of Beryl Harvey
v. CSX Transportation Inc. and SCDOT
Civil Action No. 2006-CP-05-0034, 2006-CP-05-107*

Dear Mr. Hiers:

Enclosed for filing in your office are two copies of the Notice of Appeal in the above entitled matter. Please return a copy of the same marked filed in the envelope provided. The original Notice of Appeal has been filed with the SC Court of Appeals.

With kind regards, I am

Sincerely,


William F. Barnes, III

WB, III/dlm
Enclosures

cc: Mark C. Wilby, Esquire/Elizabeth A. McLeod,
John C. Millberg, Esquire
J. Christopher Wilson, Esquire

LAW OFFICES
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February 10, 2010

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The Honorable Jeanette Barber
S C Court of Appeals Clerk of Court
PO Box 11629
Columbia SC 29211-1629

*Re Connie Carson as PR of the Estate of Beryl Harvey
v CSX Transportation Inc. and SCDOT
Civil Action Nos. 2006-CP-05-0034, 2006-CP-05-107*

Dear Ms Barber

Enclosed for filing in your office, please find the original and two copies of the Notice of Appeal in the above entitled matter along with the following

- 1 Proof of Service of the Notice of Appeal on the respondents and the Clerk of Court for Bamberg County,
- 2 The November 17, 2009, Verdict and Order of the Honorable Doyet A. Early, III filed February 4, 2010, which is being challenged on appeal, and
- 3 Our check in the amount of \$100.00 for the filing fee

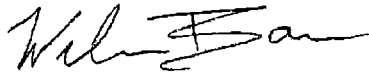
Please return a copy of the filed documents in the envelope provided

By copy of this letter a copy of the Notice of Appeal and Proof of Service is being served on the Clerk of Court for Bamberg County and a copy served on counsel for the respondents Mark C. Wilby and Elizabeth A. McLeod of Fulcher Hagler, LLP, P O Box 1477, Augusta GA 30903 1477 and John C. Millberg of Millberg, Gordon & Stewart, P L L C , 1101 Haynes Street Suite 104 Raleigh NC 27604

With kind regards, I am

February 10, 2010
Page 2

Sincerely,

A handwritten signature in black ink, appearing to read "William F. Barnes, III". The signature is fluid and cursive, with the first name "William" and last name "Barnes" being clearly legible, followed by a smaller "III".

William F Barnes, III

WB, III/dlm
Enclosures

cc Mark C Wilby, Esquire/Elizabeth A McLeod,
John C Millberg Esquire
J Christopher Wilson, Esquire

The Honorable James B Hiers
Bamberg County Clerk of Court
Post Office Box 150
Bamberg, SC 29003

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WILLIAM F BARNES III

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November 12, 2010

William Barnes
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The Honorable Tanya Gee
S C Court of Appeals Clerk of Court
PO Box 11629
Columbia, SC 29211-1629

*Re Connie Carson as PR of the Estate of Beryl Harvey
v CSX Transportation Inc. and SCDOT
Civil Action Nos 2006-CP-05-0034, 2006-CP-05-107*

Dear Ms Gee

We received the eight volumes of the above trial transcript today, November 12, 2010,
which we requested from the court reporter, Lisa Davenport

With kind regards, I am

Sincerely,



William F Barnes, III

WFB, III/dlm

Cc Mark C Wilby, Esquire/Elizabeth A McLeod Esquire
John E Mulberg, Esquire
J Christopher Wilson, Esquire
SC Court Administration

IN THE STATE OF SOUTH CAROLINA
In the Court of Appeals

APPEAL FROM BAMBERG COUNTY
Court of Common Pleas
Doyet A Early, III, Circuit Court Judge

Case No 2006-CP-05-00034

Connie Carson as Personal Representative
of the Estate of Beryl Harvey,

Appellant,

-v-

CSX Transportation, Inc ,

Respondent

Case No 2006-CP-05-00107

Connie Carson as Personal Representative
of the Estate of Beryl Harvey,

Appellant,

-v-

CSX Transportation, Inc ,

Respondent

CERTIFICATE OF COUNSEL

The undersigned hereby certifies that the Record on Appeal contains all
material proposed to be included by any of the parties and not any other material

J Christopher Wilson
WILSON, LUGINBILL & KIRKLAND,
L L C
Post Office Box 1150
Bamberg, SC 29003
Phone (803) 245-7799

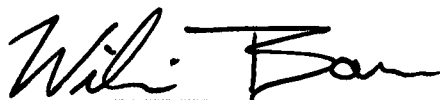
RECEIVED

MAY 31 2011

SC Court of Appeals

-And-

PETERS, MURDAUGH, PARKER, ELTZROTH
& DETRICK, P A

BY 

John E Parker
R Alexander Murdaugh
William F Barnes, III
Matthew V Creech
101 Mulberry Street, East
Post Office Box 457
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Phone (803) 943-2111
ATTORNEYS FOR APPELLANT

May 12, 2011
Hampton, SC

ST. JAMES
1
1890-1900

IN THE STATE OF SOUTH CAROLINA
In the Court of Appeals

APPEAL FROM BAMBERG COUNTY
Court of Common Pleas

Doyet A. Early, III, Circuit Court Judge

Case No. 2006-CP-05-00034

ORIGINAL

Connie Carson as Personal Representative
of the Estate of Beryl Harvey,

Appellant,

-v-

CSX Transportation, Inc.,

Respondent

RECEIVED

MAY 16 2011

Case No. 2006-CP-05-00107

SC Court of Appeals

Connie Carson as Personal Representative
of the Estate of Beryl Harvey,

Appellant,

-v-

CSX Transportation, Inc.,

Respondent

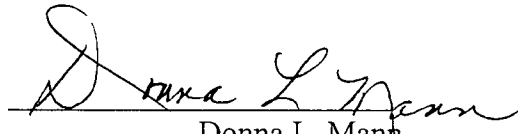
PROOF OF SERVICE

This is to certify that I, *Donna L. Mann*, legal secretary with the Law Firm of Peters, Murdaugh, Parker, Eltzroth & Detrick, P.A., Attorneys for the Appellant, have this date mailed via the U.S. Postal Service with first class postage prepaid, a true and correct copy of the within **RECORD ON APPEAL** to

Mark C. Wilby, Esquire
Elizabeth A. McLeod, Esquire
Fulcher Hagler, LLP
Post Office Box 1477
Augusta, GA 30903-1477

ATTORNEYS FOR RESPONDENT
CSX TRANSPORTATION, INC

May 12, 2011
Hampton, SC


Donna L. Mann