

IN THE STATE OF SOUTH CAROLINA
In the Court of Appeals

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SC Court of Appeals

APPEAL FROM ORANGEBURG COUNTY
Court of Common Pleas

Edgar W. Dickson, Circuit Court Judge

Case Number 2011-CP-38-01379
Appellate Case Number: 2014-000168

William Breland, Respondent,

v.

South Carolina Department of Transportation, Appellant.

RECORD ON APPEAL
Volume II of II

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STATE OF SOUTH CAROLINA) COURT OF COMMON PLEAS
) FIRST JUDICIAL CIRCUIT
COUNTY OF ORANGEBURG) - CASE NO.: 2011-CP-38-1379

WILLIAM BRELAND,)

PLAINTIFF,)

VS.)

SOUTH CAROLINA DEPARTMENT)
OF TRANSPORTATION,)

DEFENDANT.)

MOTIONS HEARING

held before the Honorable Edgar W. Dixon
Mia Perron, Circuit Court Reporter, 9th Judicial Circuit
in the Orangeburg County Courthouse

Orangeburg, South Carolina

on Tuesday, October 1, 2013, Commencing at 9:19 a.m.

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CERTIFICATE OF COURT REPORTER

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EXHIBITS

[None]

PROCEEDINGS

1
2 THE COURT: This is 2011-CP-38-1379, William
3 Breland, plaintiff, versus South Carolina Department
4 of Transportation.

5 We had a trial on this case and I believe this
6 is the defense's motion for a new trial?

7 MR. ADAM NESS: That's correct, Your Honor.

8 THE COURT: Mr. Ness, how are you this morning?

9 MR. ADAM NESS: Very well, sir. How are you?

10 THE COURT: Yes, sir. Very well. Thank you.

11 Let me hear from you. This is your motion;
12 right?

13 MR. ADAM NESS: Yes, sir, it is.

14 I wanted to ask the Court real quickly, do you
15 have a copy of the exhibits in that file?

16 THE COURT: Probably not. Hold on. I've got
17 the clerk's --

18 [Whereupon, the Court reviews documents]

19 THE COURT: Yeah, I do have some of them. Yeah.

20 MR. ADAM NESS: I think Exhibit 1 is the one I
21 was looking for, the Google image.

22 THE COURT: This Google image?

23 MR. ADAM NESS: Yes, sir.

24 THE COURT: Okay. I'm with you.

25 MR. ADAM NESS: Thank you, Your Honor. May it

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1 please the Court?

2 THE COURT: Yes, sir.

3 MR. ADAM NESS: The defendant, SCDOT, in this
4 case has moved for judgment notwithstanding the
5 verdict and/or a new trial and we did so on September
6 the 13th, which was obviously less than ten days after
7 the trial concluded.

8 We believe the Court erred in several ways.
9 First, that it allowed the introduction of an
10 unauthenticated Google street-view image and,
11 subsequently, Google street-view animation through
12 Google Earth of a dead tree.

13 Second, the Court erred when it denied our
14 motion in limine and subsequent temporaneous motion to
15 introduce evidence by the plaintiff and the fact that
16 he lied in his deposition about his criminal history.

17 Thirdly, the Court erred by allowing the jury to
18 talk about and consider permanent injury and life
19 expectancy in its jury charge, despite there being no
20 medical expert testimony leading anyone to believe
21 that there was any permanent injury involved in this
22 case.

23 Fourth, the Court erred by allowing the
24 testimony regarding the plaintiff's left arm even
25 though, during motion for a directed verdict and

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1 contemporaneous motions made, the plaintiff testified
2 about it.

3 The Court also erred by charging those life-
4 expectancy tables, as I believe I mentioned in number
5 two.

6 And the last item, number six, that the Court
7 did not instruct the jury on comparative negligence,
8 which includes last clear chance and was shown
9 specifically by the introduction of evidence -- or,
10 actually, the plaintiff's testimony and his
11 passenger's testimony that he was -- or that they were
12 forewarned about something in the road.

13 The standard of review in this case under Rule
14 50(b) is that if only one reasonable inference can be
15 drawn from the evidence, we're entitled to judgment
16 notwithstanding the verdict or in the alternative a
17 new trial. The trial court must view the evidence and
18 the inferences that reasonably can be drawn from it in
19 the light most favorable to the nonmoving party. And
20 when considering the motion, the Court doesn't have to
21 be authorized to decide credibility issues. But that's
22 what's a JNOV motion under 50(b).

23 Under Rule 59, the thirteenth juror doctrine,
24 the Court absolutely has the right to grant a new
25 trial when it believes that justice has not been done.

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1 And in this case, we believe that that is the
2 situation.

3 To start off with, and really the main point of
4 this whole motion, is that there was a Google street-
5 view image and it was produced to the defense by the
6 plaintiffs originally. And you have that one as
7 Exhibit 1 as a Court's Exhibit, but I also --

8 May I approach, Your Honor?

9 THE COURT: Yes, sir.

10 [Whereupon, Mr. Adam Ness proffers documents to
11 the Court]

12 MR. ADAM NESS: I also printed off a copy of the
13 same exhibit that was given to Mark Marino, the
14 plaintiff's expert arborist.

15 THE COURT: Yes, sir.

16 MR. ADAM NESS: And the blue writing on there,
17 you can see that's his writing.

18 And he was talking about the tree, and we were
19 talking about it and this is the image that I was
20 allowed to cross-examine him on in his deposition.
21 When we got to trial, the plaintiffs introduced a very
22 similar image to this one. Obviously, not the exact
23 one, because it doesn't have the circle on it. But it
24 doesn't talk about when this picture was, it doesn't
25 talk about where the image was taken, or any sort of

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1 identifying marks. And Mr. O'Reena could not
2 authenticate it at that time.

3 Now, as you'll see, the second page there is a
4 Google Earth screen shoot that's -- it's not the exact
5 image that they used at trial because they used the
6 computer to show, through Google Earth, a 3D-generated
7 picture. I'm going to get to that in just a second.
8 And, essentially, you'll see at the bottom of that
9 picture it has a date of May, 2008, and it also has a
10 GPS location.

11 Cliff Harper testified about where these
12 pictures were allegedly taken and the way that he did
13 that is he used a telephone pole that you can see on
14 the GPS or the -- rather, the satellite top-down
15 picture, you can see where the telephone pole was.
16 And then he measured out I think it was 184 feet from
17 the telephone pole and said, okay, this is where they
18 say the tree is; I go down to street view and there's
19 this, you know, dead tree. That's how he
20 authenticated it. But the plaintiffs never produced
21 anything similar to that, nor did they say that they
22 were going to use Google Earth to demonstrate this.

23 So there was no chance for us to cross-examine
24 anyone before trial, the eve of trial, about that
25 animation or even an image that gave us some sort of

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1 relevant time frame.

2 And I talked about Cliff Harper. And he
3 testified and said that he couldn't -- he was one of
4 the witnesses that said that he could not say that
5 this image was a fair and accurate representation on
6 May 2008 when the picture purports to be taken. Nor
7 could he say that it was -- other than the information
8 given to him by plaintiff's attorney, he couldn't say
9 where it was taken.

10 The photograph, and subsequently the animated 3D
11 imagery, it was more than just a demonstrative
12 exhibit. It didn't just demonstrate something that
13 somebody else was testifying about. It was actual
14 evidence produced to show notice that DOT should have
15 seen this tree. In fact, it was the only evidence
16 that said that. DOT produced multiple witnesses, not
17 only the landowner but her next-door neighbor who
18 lived only 200 feet away from where this accident
19 allegedly occurred, who said she even mowed this grass
20 on a regular basis, who never saw this tree or any
21 limbs or anything. So it's -- this piece of evidence
22 is very crucial and I think it is basically the
23 plaintiff's entire case on notice.

24 Google's street-view cameras, the cameras that
25 they use when they're taking these street-view

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1 pictures, they're not common cameras. It's got eleven
2 lenses that actually record video. And then Google's
3 cameras or Google's computers or some sort of
4 subsequent-processing goes on that takes out frames
5 out of the video. Because, of course, videos are just
6 pictures every minute -- or every second, so it looks
7 like it's the old phrase moving picture. And then
8 those images are subsequently put together by a
9 computer program. They are stitched together.

10 And I quote in my motion, as well as my
11 memorandum here, which I'll give you a copy of in a
12 little while for you to consider, the Vederi case,
13 which is --

14 THE COURT: Dairy, as in dairy farm?

15 MR. ADAM NESS: V-E-D-E-R-I.

16 THE COURT: Vederi. I'm sorry.

17 MR. ADAM NESS: These are also cases I'm going
18 to talk --

19 [Whereupon, Mr. Adam Ness proffers documents to
20 the Court]

21 MR. ADAM NESS: Now, that's Vederi vs. Google.
22 And in that case, the U.S. District Court talks about
23 -- basically, Vederi sued Google for infringing on
24 their patent in the street-view context, and the Court
25 eventually decided that Google had not. But it goes

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1 into fairly good detail about how these images and how
2 this 3D I guess illustration or animation is created.
3 It says, and I've got it highlighted there, the images
4 are then stitched together to create a spherical
5 panorama. And later on it talks about, and while
6 Google strives to minimize the distortion in its
7 images, street-view still depicts somewhat distorted
8 views, i.e., curved or spherical ones.

9 So if you think about it, if you're inside a
10 great big sphere and then all these images that were
11 taken flat are then pasted on that sphere on the
12 inside, as you turn your head you're looking at
13 different perspectives. And these things are curved
14 towards you and they're curved towards you on the
15 bottom. So it's a distorted image.

16 So I think in order for someone to have said
17 that this was a fair and accurate -- and I think the
18 key word there is accurate -- representation, it would
19 be nearly impossible to say it was an accurate
20 representation, especially since we're not talking
21 about a long distance but rather it's right in front
22 of you.

23 So I think it's difficult for them to have
24 produced somebody that would have said accurate. Not
25 only that, but they didn't. Nobody could say that.

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1 Cliff Harper couldn't say it. Mark O'Reena, their
2 arborist, couldn't say it. The plaintiff couldn't say
3 it. Nobody could, because nobody remembers what it
4 looked like on May of 2008, which is when this Google
5 imagery was taken.

6 And essentially, when we weren't able to cross-
7 examine anyone on this image or what the scene looked
8 like two years before the accident, the Court was
9 taking judicial notice of this image. And that's not
10 the standard we believe.

11 There was a case -- and I think it's the second
12 one you've got there, Judge. It's Thomas vs. Dixon.
13 It's a North Carolina appellate case. And in that
14 case they talk about exhibits and photographs. And in
15 that case, essentially you have a -- there was a
16 staircase. And at the time of the staircase there
17 were some pictures taken at one time, and then later
18 on there were some pictures taken. And they were
19 arguing that -- there was -- they weren't an accurate
20 representation. And the Court eventually comes out
21 and says, well, it was close enough because it was a
22 demonstrative exhibit.

23 And that's -- going back to my point, these
24 weren't merely demonstrative. These were actual
25 evidence to show the tree. Because nobody else

1 testified about it. There was no testimony. There
2 were no other pictures offered of this tree still
3 standing. The picture stood by itself.

4 -- And in this case they say, exhibits such as
5 diagrams and photographs used to illustrate testimony
6 -- and that's -- again, we're not talking about an
7 illustration here. But in the lesser requirement, the
8 illustration testimony must be identified as accurate
9 before it can be properly introduced.

10 And here we're talking about a higher standard
11 of actual evidence. And so I think the accuracy -- if
12 you require accuracy at a lower level, I think it's
13 definitely required at the higher level.

14 And then they go on to say, ordinarily,
15 testimony that an exhibit is fair and accurate or --
16 at the scene of the accident is sufficient to satisfy
17 the requirement.

18 And, again, nobody could testify to that. We
19 asked the question over and over again and were
20 answered that, no, they couldn't because they weren't
21 there, they didn't take the picture, they don't know
22 what it looked like two years before the accident.
23 And I think the closest they got was Mark O'Reena
24 testified that it might have looked like that. But I
25 don't think that that comes to the level of accuracy

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1 that was required under Dixon here.

2 Now, again, this was -- you know, these are
3 images pulled out of a video and put into a 3D sphere.
4 So it really and truly is more like a computer
5 animation than it is an actual image. Or at least
6 it's a quasi computer-animated image or a computer
7 animation.

8 And so if you take Dixon, which says you have to
9 have somebody testify about it being fair and
10 accurate, and combine that with Webb vs. CSX, which is
11 a South Carolina Supreme Court case, Webb vs. CSX says
12 that a computer animation is admissible if it is
13 authentic, relevant, a fair and accurate
14 representation, and more probative than prejudicial.
15 So, again, we get that same language fair and accurate
16 representation.

17 So I don't think it's too much of a stretch to
18 say, well, if you've got case law that says it's got
19 to be a fair and accurate photograph, and then on the
20 other end you've got a computer animation which has to
21 be a fair and accurate representation of the evidence
22 and that --

23 And here, like I said, we have a quasi
24 animation, because it's images that are stitched
25 together that are inside this 3D sphere, I think it's

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1 a decent correlation to say that Google Earth, you
2 have to have somebody testify that it was a fair and
3 accurate representation at the time the images were
4 taken.

5 And we did find other cases, Your Honor, and I
6 don't think I cited them here. But we did find other
7 cases that talked about that you don't have to have to
8 have somebody testify that they took the pictures or
9 somebody from google come in and testify. That's not
10 the requirement that the Courts have held. But it is
11 that you have to have somebody come in, like Cliff
12 Harper, and testify that they went out and they
13 measured from the telephone pole to where the tree
14 was, and it was 184 feet, and then they measured from
15 the telephone pole to where the tree was supposed to
16 have fallen.

17 And their measurements on the ground, as well as
18 the Google Earth ruler measurements, have to come out
19 to pretty close. And that's what happened here,
20 except this is sort of a -- this is a novel issue.
21 The Courts have not considered whether or not a Google
22 Earth or a Google street-view image could be used as
23 evidence in a trial.

24 Those cases I was talking about that talk about
25 how -- who you have to get to authenticate these

1 things, these pictures, they're talking about the
2 satellite view that a lot of people are used to. If
3 they see it on their cell phone, they can see the
4 buildings, the top-down view. That's what they're
5 talking about. They're not talking about the street-
6 level images that are taken. So I think those cases
7 -- and like I said, I didn't cite them here because
8 they're not totally-relevant. But I think it's worth
9 mentioning.

10 Lastly on this issue, everything regarding this
11 image, if you track it back, the image, Cliff Harper
12 picked it up through Google Earth. He was told by
13 plaintiff's attorney where this accident happened.
14 And the plaintiff's attorney was told where this
15 accident happened by the plaintiff.

16 And I think through the plaintiff's deposition
17 testimony and through his actual testimony here at
18 trial, he showed himself to be untrustworthy. In
19 fact, Richard Ness has to stand up next to him for
20 more than half of his actual testimony because it was
21 getting tiresome to walk back and forth between asking
22 him a question, showing him the deposition where he
23 answered differently, and then coming back and then
24 doing it again, and then again, and again.

25 THE COURT: But it was exercise that your daddy

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1 didn't mind doing --

2 MR. ADAM NESS: I'm sure he didn't.

3 THE COURT: -- you mean. But go ahead. Sorry.

4 MR. ADAM NESS: And our second argument. we talk
5 about the lies and the criminal record. Here, again,
6 the plaintiff testified at his deposition that he had
7 no criminal record when we asked him. And we had
8 already done a South Carolina criminal search and came
9 up empty. There was nothing in South Carolina. So at
10 his deposition, not only did we ask him the question,
11 you know, where were you, or where have you lived, how
12 many other states have you ever been in, those types
13 of questions.

14 Not only did we ask those questions, but they
15 produced most of their discovery at the deposition, so
16 we hadn't had a chance to read it beforehand. And on
17 September 4th at trial, the Court held orally that the
18 defendant should have known about the plaintiff's
19 criminal history. And we would agree, except for the
20 fact that we didn't get the discovery responses until
21 the day of the deposition, and we didn't know where he
22 had lived until the day of his deposition, because we
23 hadn't got the discovery responses.

24 So at that deposition, we took the plaintiff at
25 his word. And, you know, we went through the rest of

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1 the deposition. And then we got to the end of it and
2 we agreed that we would only have subsequent
3 depositions as to medical testimony that hadn't been
4 produced yet. So we had a later deposition that
5 talked about that by itself. But we couldn't go into
6 any other issues.

7 After his original deposition, we went and we
8 searched Washington and we searched Nevada and we
9 found criminal history. And it wasn't just little
10 stuff, it was burglary that was pled down to basically
11 receiving stolen goods, and then it was breaking into
12 a car, and theft type crimes, dishonesty crimes, that
13 would have allowed us to -- we would have been able to
14 know right then this guy's not an honest guy, he's not
15 telling us the truth. Probably we would have done a
16 lot differently in our depositions, in our subsequent
17 depositions, in asking him questions or really probing
18 into his voracity, had we known he had these sorts of
19 issues.

20 And the Court, under the rules, is allowed to
21 bring in a criminal record if it believes it is in the
22 interest of justice. And I truly believe in this case
23 it was because we actually showed he was testifying
24 differently through the different stages of this
25 litigation: deposition, trial, other depositions. It

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1 was evidenced that he was not telling us the truth, or
2 at least making it up as he went along.

3 And sort of on that same thread, talking about
4 the defendant not telling the truth, in his original
5 deposition he testified -- or he told the defendant
6 that he had pictures of this van that had been
7 involved in the wreck and that he had given them to
8 plaintiff's counsel, yet we get to trial and we ask
9 about these pictures and they still don't exist or
10 they never existed. We don't know. But in any
11 regard, he lied about it. He told us they were there
12 or they were somewhere, and yet we had testimony by
13 him that the airbags went off, that there was damage
14 to the car sufficient to cause the airbags to go off.
15 And if there's damage sufficient for that to happen,
16 then it gives the inference to the jury that it was a
17 bad wreck. And yet he then goes on to say he drives
18 the thing home. So --

19 THE COURT: But Mr. Ness --

20 MR. ADAM NESS: Yes, sir?

21 THE COURT: -- didn't you think y'all made a lot
22 of good points by them not producing the picture?

23 MR. ADAM NESS: I don't think it was sufficient
24 for the jury to get past the fact that he testified
25 about his airbags going off and that he drove -- and

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1 Mr. Ness makes a big deal out of this Vederi
2 case that the Google produces somewhat distorted
3 views, Your Honor. Vederi is a copyright case.
4 Google and somebody else are fighting about whether
5 Google is infringing on their copyright. And they do
6 say there are somewhat distortions in these
7 photographs.

8 But the defense did not bring one single witness
9 in here, Your Honor. We produced this Google Earth
10 photo very early on in discovery. They had plenty of
11 time to prepare for it, Your Honor. They did not
12 produce any evidence to dispute the accuracy of the
13 Google Earth imagery, even after we laid the
14 foundation to authenticate it and have it admissible.
15 Your Honor, they could have brought witnesses in.
16 They could have brought experts in. They could have
17 brought anybody they wanted to in to contest its
18 accuracy, to contest whether it was distorted or not.
19 Your Honor, it showed a tree, a rotten tree, which is
20 pretty much what we found on the ground after our
21 client's wreck into this rotten tree that fell into
22 the roadway. And all that goes to the weight and not
23 admissibility, Your Honor.

24 They never deposed Cliff Harper, Your Honor.
25 There were no interrogatories or request to produce.

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1 There was no discovery done about this photograph,
2 where it was from, what day it was, how it was
3 obtained, and they never deposed Mr. Harper throughout
4 the discovery process. The argument that they had no
5 chance to cross-examine or discover this Google or
6 prepare for it, it's just not accurate, Your Honor.
7 They didn't discover that. They didn't do that.

8 Your Honor, the process -- and just one other
9 thing and then I'll be done.

10 Your Honor, the argument about the Webb case,
11 the computer animation: Your Honor, an animation is a
12 re-creation by someone. It's someone taking evidence,
13 sitting down and re-creating it and putting it into a
14 computer-generated animation. It is a re-creation.
15 It is not what we have here, which is a preservation
16 of the evidence as it exists of a certain date, Your
17 Honor. And so I don't think the argument with respect
18 to that is correct.

19 We had testimony from Mr. Harper that he was
20 very familiar with the Google process, that he had
21 used it before, that he had found it to be accurate,
22 and that he had found it to be accurate in this
23 setting. And the fact that that accuracy gives it
24 reliability, that reliability gives it authentication,
25 Your Honor, and makes it admissible. Everything else

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1 they argue goes to the weight of that evidence. And
2 they argued that to the jury and could have produced
3 evidence on that issue had they liked, Your Honor.

4 We believe for all those reasons, the motions
5 should be denied on all the grounds, and appreciate
6 your consideration.

7 THE COURT: Thank you, sir.

8 MR. WILSON: Thank you.

9 THE COURT: And, Mr. Ness, briefly.

10 MR. RICHARD NESS: Your Honor, if I might
11 respond?

12 THE COURT: Yes, sir.

13 MR. RICHARD NESS: On the Google issue, the
14 photograph that came into evidence is probably the
15 most important piece of evidence in the entire trial.
16 And the fact that there is a lot of debate about it I
17 think is something the Court needs to fully
18 reconsider.

19 The issue of whether it's illustrative or not,
20 as Mr. Wilson was saying, the point being that the
21 picture that was produced is purported to be May of
22 2008. But the wreck happened in January of 2010. And
23 whether or not this distorted picture -- and the
24 reason we have used the Vederi case -- it is a patent
25 case. It's got nothing to do with negligence and

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In The Matter Of:
William Breland vs.
SCANA Corporation, et al

William Breland
November 19, 2012

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Min-U-Script® with Word Index

1 STATE OF SOUTH CAROLINA

2 COUNTY OF ORANGEBURG

COURT OF COMMON PLEAS
FIRST JUDICIAL CIRCUIT

3
4 WILLIAM BRELAND,

5 Plaintiff,

6 vs.

CASE NO. 2011-CP-38-1379

7 SCANA CORPORATION, SCANA CORPORATION
8 d/b/a SOUTH CAROLINA ELECTRIC & GAS
9 COMPANY, SOUTH CAROLINA ELECTRIC & GAS
COMPANY, SOUTH CAROLINA DEPARTMENT OF
TRANSPORTATION, AND NANCY BOLIN,

10 Defendants.

11
12 DEPOSITION OF: WILLIAM BRELAND

13 DATE: November 19, 2012

14 TIME: 2:11 p.m.

15 LOCATION: Law Offices of Ness & Jett
16 2878 Main Highway
Bamberg, SC

17 TAKEN BY: Counsel for the Defendant

18 REPORTED BY: Susan M. Valsecchi, RPR, CRR
19 Certified Realtime Reporter

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10 ALSO PRESENT:
11 William Breland
12

13 (INDEX AT REAR OF TRANSCRIPT)
14
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1 STIPULATION

2 It is stipulated by and between Counsel
3 that this deposition is being taken in accordance
4 with the South Carolina Rules of Civil Procedure,
5 Rule 30; that all objections as to Notice of this
6 deposition are hereby waived; that all objections
7 except as to form are reserved until the time of
8 trial.

9 * * * * *

10 WILLIAM B. BRELAND

11 being first duly sworn, testified as follows:

12 EXAMINATION

13 BY MR. WESTON:

14 Q. Mr. Breland, my name is Joe Weston, and
15 I represent Nancy Bolin in this case that you have
16 brought.

17 You were here when Mr. Miller was
18 deposed, and you heard me give him some
19 instructions, but let me just go over those again
20 with you to make sure you understand how we're
21 going to proceed. Okay?

22 First off, I'm going to be asking you a
23 series of questions about this accident that you
24 complained of and also these injuries that you're
25 alleging. If you respond to my question, I'm going

1 What were the grounds of the divorce?

2 A. Her and I didn't get along that good.

3 Q. So it was what people called
4 irreconcilable differences, something of that
5 nature?

6 A. Yes.

7 Q. What was the highest level of education
8 you achieved?

9 A. 9th grade.

10 Q. Where was that?

11 A. At 252 Selmas, Brooklyn, New York.

12 Q. Did you have any kind of training or
13 did you obtain any kind of certifications after you
14 left the 9th grade, anything where you were given
15 some kind of license or received some type of
16 certification for some course of training?

17 A. Well, I had went into the Job Corps.

18 Q. Have you ever been arrested, charged
19 with, or convicted of any crime?

20 A. Not that I know of.

21 Q. Besides the folks that you've sued in
22 this lawsuit, have you ever sued anybody else for
23 anything? And also, we'll put aside your divorce
24 from Mrs. Breland. Anyone else that you have ever
25 sued for anything?

STATE OF SOUTH CAROLINA)
COUNTY OF ORANGEBURG) IN THE COURT OF COMMON PLEAS
WILLIAM BRELAND,)
Plaintiff,)
vs.) Case No: 2011-CP-38-1379
SCANA CORPORATION, SCANA)
CORPORATION, D/B/A SOUTH)
CAROLINA ELECTRIC & GAS)
COMPANY, SOUTH CAROLINA)
ELECTRIC & GAS COMPANY,)
SOUTH CAROLINA DEPARTMENT)
OF TRANSPORTATION, AND)
NANCY BOLIN,)
Defendants.)

ORAL AND VIDEOTAPED DEPOSITION OF

REDDIAH BABU MUMMANENI, M.D.

July 26, 2013

ORAL AND VIDEOTAPED DEPOSITION OF REDDIAH BABU
MUMMANENI, M.D., produced as a witness at the instance
of the Plaintiff, and duly sworn, was taken in the
above-styled and numbered cause on the 26th of July,
2013, from 1:44 p.m. to 3:32 p.m., before Heidi
Morrison, CSR, RPR, Certified Shorthand Reporter in and
for the State of Texas, reported by computerized
stenotype machine at the offices of 1401 Medical
Parkway, Suite 313, Cedar Park, Texas 78613, pursuant to
the Texas Rules of Civil Procedure and the provisions
stated on the record or attached hereto.

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9532 Morgan Creek Drive, Austin, Texas 78717 (512) 301-7088

A P P E A R A N C E S

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ALSO PRESENT:

James Taylor, Videographer

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1 THE VIDEOGRAPHER: Good afternoon. This
2 marks the beginning of Video Tape No. 1 in the
3 deposition of Dr. Reddiah Babu Mummaneni on July 25,
4 2013.

5 We're going on the record. The time now
6 is 1:44 p.m.

7 REDDIAH BABU MUMMANENI, M.D.,
8 having been first duly sworn, testified as follows:

9 EXAMINATION

10 BY MR. McLEAN

11 Q Dr. Mummaneni, we met earlier. My name is
12 Chris Wilson. I represent William Breland, the
13 plaintiff in this case, who was your patient back in
14 2010.

15 First, I want to start by getting some
16 background information, a little bit about your
17 qualifications.

18 Can you give the jury your full name
19 again, please.

20 A Reddiah Babu Mummaneni.

21 Q Okay. And you treated Mr. William Breland,
22 after he was referred to you by Dr. William Glenn back
23 in 2010, after he was involved in a January 2010 wreck
24 where he hit a tree that had fallen in the middle of the
25 highway?

- 1 A Yes.
- 2 Q At that time, your practice was over in Aiken?
- 3 A Yes, sir.
- 4 Q Aiken, South Carolina?
- 5 A Absolutely. Yeah.
- 6 Q All right. The name of your practice there?
- 7 A Aiken Neurosciences.
- 8 Q Since that time, you've moved to Texas?
- 9 A Yeah. November of 2012 I moved to Austin,
- 10 Texas.
- 11 Q And that's where we are today, right outside
- 12 of Austin?
- 13 A Yes.
- 14 Q And the name of your practice here in Austin?
- 15 A Cedar Park Neurology and Sleep Medicine.
- 16 Q Back when you were in South Carolina, you had
- 17 a practice in Aiken, and you also did some work in
- 18 Barnwell?
- 19 A Yes, sir.
- 20 Q What did you do in Barnwell?
- 21 A I was the medical director for the sleep lab
- 22 in Barnwell County Hospital.
- 23 Q Okay. And what -- what type of medicine did
- 24 you practice in Aiken and here in Austin?
- 25 A I practiced general neurology and sleep

1 medicine.

2 Q Okay. And that's the same in South Carolina
3 as here in Texas?

4 A Yes, sir.

5 Q As a neurologist, tell me what you do.

6 A I do general neurology. I -- I do not
7 specialize in any specific field of neurology. I see
8 all kinds of neurological disorders.

9 Q Okay. And that would be throughout the entire
10 body?

11 A Throughout the entire body.

12 Q To include problems with arm, neck, back,
13 shoulders?

14 A Absolutely.

15 Q Okay. Throughout your practice in South
16 Carolina and your practice here in Texas, have you had
17 occasion to treat many individuals who have had neck
18 problems as a re- -- result of neurological problems?

19 A Yes, sir.

20 Q Okay. Can you estimate the number of patients
21 or the number of times?

22 A Probably difficult to do that, but --

23 Q More than -- more than 100?

24 A Probably, yes.

25 Q Okay. I want to talk about your training

1 some.

2 Are you board-certified in neurology?

3 A Yes, sir.

4 Q And by whom are you board-certified?

5 A -- American Academy of Neurol- --- ABPN, American
6 Board of Psychiatry and Neurology.

7 Q Okay. And that's a national board
8 certification?

9 A Yes, sir.

10 Q How long have you been board certified?

11 A Three years. No, no, no. Four years now.

12 Q Okay. All right. Talk about your -- were you
13 licensed to practice law when you were in South Car- --
14 licensed to practice medicine when you were in South
15 Carolina?

16 A Yes, I was.

17 Q You were licensed to practice as a
18 neurologist?

19 A Yes, sir.

20 Q And are you licensed to practice as a
21 neurologist here in Texas?

22 A Yes, sir.

23 Q Where'd you do your medical schooling?

24 A I did go to medical school in India, South
25 India Siddhartha Medical College. And I did my

1 Q Okay.

2 MR. WILSON: Richard, at this time, I'm
3 going to submit Dr. Mummaneni as an expert in general
4 neurology and as a neurologist.

5 MR. NESS: Yeah, I -- I have no
6 objection. He is a treating physician in this case.

7 MR. WILSON: You stipulate his expertise?

8 MR. NESS: Yes.

9 MR. WILSON: Okay. Thank you.

10 Q (By Mr. Wilson) Dr. Mummaneni, after this
11 January of 2010 wreck that William Breland had that
12 we're here about today, you treated William Breland?

13 A Yes, I did.

14 Q And he was referred to you by his family
15 doctor in Bamberg, Dr. William Glenn?

16 A Yes, sir.

17 Q I -- I think you first saw Mr. Breland shortly
18 after the wreck on February 8th of 2010?

19 A I did.

20 Q You have your office notes with you?

21 A I do. I have -- right in front of me.

22 Q Okay. And February 8 of 2010 was his first
23 visit with you?

24 A First visit, yeah.

25 Q You ultimately referred Mr. Breland to Dr.

1 Haroon Choudhri at the Medical College of Georgia for
2 evaluation and surgery?

3 A Yes, sir.

4 Q You're aware that Dr. Choudhri performed
5 surgery on William Breland in October of 2010?

6 A Yes.

7 Q You've seen that surgical record -- those
8 surgical records from the October of 2010 surgery?

9 A I did.

10 Q You've had a chance to review those?

11 A I did.

12 Q Is it your opinion, to a reasonable degree of
13 medical certainty, that the surgery that Dr. Choudhri
14 performed was reasonable and necessary based on William
15 Breland's injury and condition?

16 A Yes, sir.

17 MR. NESS: Object to the form of the
18 question. The -- this is not the same doctor that did
19 the surgery, and there's been no connection to this --
20 at this point to the automobile wreck injury, given this
21 gentleman had other problems, too.

22 MR. WILSON: Okay.

23 Q (By Mr. Wilson) Dr. Mummaneni, let me ask you
24 this: Do you have an opinion, to a reasonable degree of
25 medical certainty, as to whether the surgery Dr.

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1 Choudhri performed on William Breland was reasonable and
2 necessary?

3 A Yes, sir.

4 Q And what is your opinion?

5 A So he was in a significant amount of pain.
6 All the conservative management procedures did not
7 amount to relief of the pain. And the next step would
8 be -- given that he had changes in his neck, surgery
9 would be the next option. That's why I referred the
10 patient to a surgeon for a second opinion and for the
11 evaluation and treatment of the pain.

12 Q Okay. And I think you said a moment ago the
13 conservative treatment had failed.

14 A Yeah. Conservative treatment did not help the
15 symptoms, and he was still in a significant amount of
16 pain.

17 Q Okay. So your opinion is that the surgery was
18 necessary and reasonable under the circumstances?

19 A Yes, sir.

20 Q I want to turn to your treatment of Dr. -- of
21 Mr. Breland, Dr. Mummaneni.

22 Let's look at your February 8, 2010,
23 record.

24 A Mm-hmm.

25 Q Your first visit?

1 A Mm-hmm.

2 Q What type of complaints did Mr. Breland
3 have when -- have when he came in on February 8th of
4 2010?

5 A He presented to the clinic for evaluation of
6 neck pain, left-arm pain, and numbness. And he also
7 complained of low-back pain with radiation down into the
8 right lower leg.

9 Q Did he reference a -- an automobile wreck --
10 the January of 2010 automobile wreck that he had been
11 involved in?

12 A He did tell me that he was involved in a motor
13 vehicle accident three weeks prior to me seeing him, and
14 since then, the pain has gotten significantly worse.

15 Q Okay. And he complained of neck pain,
16 left-arm pain that was radiating, and some numbness?

17 A Yeah.

18 Q What does "radiating" mean?

19 A Means -- "radiating" means it starts at one
20 point and you can feel the sensation somewhere else.

21 Q And where would Mr. Breland's pain have
22 started?

23 A So he was complaining of pain starting --
24 the -- the worst pain he had was in the neck, and he
25 felt like it was radiating into the left arm.

1 Q Okay. And what does that usually indicate, or
2 what does that usually mean?

3 A In medical terminology, radiating pain from
4 the neck down is usually due to irritation of the nerve
5 root.

6 Q So there would be some irritation of the nerve
7 root in the neck that would cause pain that came from
8 the neck and went into and down into the arm?

9 A Yes, sir.

10 Q Okay. And that's the type of complaints
11 Mr. Breland had?

12 A Yes, sir.

13 Q Did you perform any -- what kind of evaluation
14 or what kind of testing did you perform February 8th of
15 2010?

16 A I -- I reviewed the MRIs. And then,
17 initially, I tried conservative management with a
18 Philadelphia collar, pain medications, and steroids to
19 see if that would reduce the inflammation on him.

20 And -- so he did not get significantly
21 better, so I did an EMG nerve conduction study, and I
22 did find evidence of a nerve irritation on that, on the
23 nerve precisely.

24 I decided to -- since he -- he was in
25 significant amount of pain and it was not getting

1 better, with the amount of surgery he had, I thought
2 it's prudent to get a surgeon involved to take a look at
3 those and make sure everything is okay in the neck.

4 Q Okay. Dr. Mummaneni, I'm going to show you a
5 January 19th of 2010 MRI report.

6 A Mm-hmm.

7 Q Have you seen that before?

8 A Yeah.

9 Q Did you have that MRI report available when
10 you were treating Mr. Breland back on February of 2010?

11 A This is -- yeah, this is the first one. This
12 is the MRI.

13 Q So that's the MRI that was done in Bamberg
14 just a couple weeks -- or ten days after this wreck?

15 A Yes, sir.

16 Q Okay. And what did that MRI -- what type of
17 findings or what type of indication was on that MRI?

18 A The MRI showed there was disc protrusion above
19 and below the surgical fusions surgery in C4-7.

20 At C3-4, there was a -- a small
21 right-sided disc herniation. At C7-T1, there is a large
22 right disc -- herniated disc onto the right side,
23 pressing on the spinal cord and also pressing -- causing
24 narrowing of the exit foramina where the nerve root
25 comes out of.

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1 Q Okay. I want to go back and talk about that,
2 maybe in ter- -- in more layman terms.

3 You said there was evidence of a fusion
4 at C4-C- -- from C4 to C7?

5 A Yes, sir.

6 Q Explain for the jury, Dr. Mummaneni, just kind
7 of how a person's neck is as far as the discs go, just
8 kind of how your neck's set up and how it operates.

9 A So in the neck, there are seven vertebrae. So
10 C1 to C7. There are discs in between the vertebrae.
11 The -- that's -- those are the disc -- discs we're
12 talking about. So he had a fusion surgery done from C4
13 to C7.

14 In this MRI, we are looking at one
15 vertebral bone. About the C4-C7, there's a herniation,
16 and there's -- one below, there is a herniation.

17 Q Okay. Let's go back and talk about the C4 to
18 C7.

19 You said there was a prior fusion?

20 A Yes, sir.

21 Q So Mr. Breland had undergone some type of
22 prior neck surgery before seeing you in February of
23 2010?

24 A He surely did.

25 Q Were you aware that he had undergone a neck

1 surgery back in 1999?

2 A Yes, sir.

3 Q In Las Vegas, Nevada?

4 A Yeah. I knew that he had neck surgery done.

5 I did not know where exactly it was.

6 Q But you were aware he had prior neck surgery?

7 A Yes, sir.

8 Q And you've seen the surgical records and the
9 surgical notes from that 1999 neck surgery?

10 A I got them the day before yesterday. I
11 just -- I just -- I just looked at briefly, not in great
12 detail.

13 Q Okay. All right. Now, when you -- when the
14 MRI was done January of 2010 in Bamberg, the -- the
15 prior neck surgery showed up on the MRI?

16 A It sure did. That's what the radiologist is
17 reading it as, a prior anterior fusion down in C4-7.

18 Q And what does mean?

19 A So he -- he said there are surgical changes
20 with fusion surgery done between C4 and C7, which was a
21 day prior to when the MRI was done.

22 Q So that was prior to the wreck?

23 A Absolutely. Prior to -- yeah, prior to
24 whenever the MRI was done.

25 Q Okay. And then you said that MRI also showed

1 disc protrusion at the levels above the -- the prior
2 surgery area and below the prior surgery area?

3 A Yes, it did.

4 Q Which areas would those be?

5 A There is a disc protrusion between C3 and C4 --
6 and a disc protruding between C7 and T1.

7 Q And -- and what does "protrusion" -- "disc
8 protrusion" mean?

9 A Herniation. So it's pushing back where the
10 spinal cord is and where the nerve roots are.

11 Q And what type of problem would that cause?

12 A So if the disc herniation -- if the disc comes
13 out, disc itself causes significant amount of pain
14 because a disc is very pain-sensitive. And it can also
15 cause nerve damage by putting structural pressure on the
16 nerves and the spinal cord.

17 Q Okay. Now, these are new areas -- C3 and C4
18 and C7 and T1, these are new areas for Mr. Breland, not
19 the same areas where the prior surgery was done back in
20 Nevada?

21 A No. Yeah, it was just one disc above and one
22 disc below.

23 Q Okay. And you said also the MRI showed C7-T1,
24 a right-sided disc protrusion?

25 A So this is what the radiologist read it as.

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1 At C7-T1, there is a large --

2 Q Before you do that, tell the jury what C7-T1
3 is.

4 A Okay. C7 is the cervical vertebra number 7.

5 Q That's the low -- the lowest --

6 A The lowest --

7 Q -- vertebra --

8 A -- cervical in the neck.

9 Q Okay.

10 A T1 is the first thoracic vertebra.

11 Q Thoracic is the middle of your neck?

12 A Thora- -- just below the neck, the thorax is
13 there. So there are seven cervical vertebrae and 12
14 thoracic vertebrae. The first one is T1. So the last
15 one is C7; the next one comes is T1.

16 Q Okay. And what was the finding there?

17 A So there is a large right protrusion, a disc
18 protrusion, flattening the thecal sac and slightly
19 narrowing the exit foramina.

20 Q What -- what does that mean in layman's terms?

21 A So it is -- the disc is herniating, coming out
22 of -- between the spaces and pressing on the -- the sac
23 that contains the spinal cord.

24 Q Okay. And what type of problems will that
25 cause?

1 A Like I said, the disc itself is extremely
2 pain-sensitive, so that itself can cause a significant
3 amount of neck pain, and if it really irritates the
4 nerve root, it can have radiating pain from the nerve
5 root irritation.

6 Q Okay. Would those findings on the MRI be
7 consistent with the complaints that William Breland had
8 of neck pain and pain that radiated into his left
9 shoulder and into his left arm?

10 A The disc herniations definitely can explain
11 his neck pain, but the nerve root radiating pain, if you
12 look at this, at C7-T1, the disc is herniating onto the
13 right side. His pain was on the left side, so -- but
14 given all these changes, he probably had some irritation
15 of the nerve root which we are not able to see on the
16 MRI.

17 Q Okay. And that would explain the --

18 A Radiating pain.

19 Q -- complaints on the --

20 A Yeah.

21 Q -- the left side?

22 A Yes, sir.

23 Q Okay. What type of treatment did you
24 recommend or provide for Mr. Breland in February of
25 2010?

1 A So I intended to stabilize his neck completely
2 without any mobility, so I ordered a Philadelphia
3 collar, and I put him on steroids to reduce the swelling
4 and inflammation. I gave him some pain medications and
5 asked him to follow up with me in a couple of weeks.
6 That's what happened.

7 Q What type of pain medication?

8 A If I'm not mistaken, I had to give him
9 Lortab -- Lortab. He was on Lortab when he came to see
10 me and Soma for muscle relaxation. I asked him to
11 continue those two.

12 Q Continue those?

13 A Dr. Glenn was one -- I think he was the one
14 who prescribed those, and I continued those, too.

15 Q Okay. So you continued the medication that
16 Dr. Glenn had already prescribed?

17 A Absolutely. Yeah, muscle relaxer and pain
18 medication.

19 Q I think your records indicate that Mr. Breland
20 had some low-back problems or some low-back pain.

21 A He did complain of low-back pain and also some
22 numbness in the right great toe.

23 Q Okay. And that low-back pain, I believe your
24 records indicate, was a problem that Mr. Breland had
25 been having prior to the wreck and prior to coming and

1 seeing you?

2 A Yeah. So he has been having that problem, so
3 the new problem he seeked attention was neck pain.

4 Q For the neck.

5 A -- Right.

6 Q So the back was not anything that you were
7 treating or --

8 A That's why --

9 Q -- focusing on?

10 A Yeah, exactly. So it's a preexisting, so I
11 did not focus. I put all my effort on the neck
12 because...

13 Q So the neck was the new complaint and the new
14 problem?

15 A New complaint he came to see me. That's the
16 chief complaint he came to see me for.

17 Q Okay. He came back to see you February 23rd
18 of 2010?

19 A Yes.

20 Q Was there any significant change in his
21 condition?

22 A No. He didn't -- he did not have any
23 improvement at that time with the pain. But apparently,
24 he had some problem getting the collar, and he got the
25 collar after he saw me on February 23rd.

1 Q Okay. I think you ordered physical therapy on
2 February the 23rd?

3 A Yeah. Yeah. Absolutely.

4 Q Okay. And that was part of the conservative
5 treatment ---

6 A Management of the ---

7 Q --- that you were referencing earlier ---

8 A Yes.

9 Q --- that you were trying?

10 A Uh-huh.

11 Q Dr. Mummaneni, I want to look back on
12 February -- go back to February 8th, 2010, visit one
13 moment.

14 A Mm-hmm.

15 Q Did you have a -- an MRI performed through
16 your offices for Mr. Breland, or -- or did you just
17 review the one from Bamberg in January?

18 A Because it was just done after the incident
19 and before he came to see me, I just reviewed the one
20 that has been done.

21 Q Okay. So you used the January 2010 MRI that
22 was done at Bamberg County Hospital?

23 A Yes.

24 Q Okay. All right. So back to February 23rd of
25 2010, Mr. Breland came back and you ordered that he

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1 participate in some physical therapy?

2 A Yeah.

3 Q And he was --

4 A Yes.

5 Q -- supposed to come back and see you?

6 A Yeah.

7 Q And he did again on April 7th of 2010?

8 A He sure did.

9 Q And what was his condition upon return April
10 7th of 2010?

11 A So, interestingly, he com- -- reported
12 improvement in the pain. He did not have any more
13 tingling in the left hand with physical therapy. He
14 still had significant amount of low-back pain, so he was
15 taking Lortab for that.

16 So I asked him to continue physical
17 therapy exercises and keep the Philadelphia collar in
18 place and keep taking Lortab for low-back pain.

19 Q Okay. So he had some improvement in his neck
20 pain?

21 A When he came to see me on April 7, 2010, he
22 reported improvement with physical therapy.

23 Q And he had been performing and had completed
24 the physical therapy?

25 A Yeah.

1 Q And you kept him on the medication that he had
2 been on previously?

3 A Yeah.

4 Q Lortab.

5 A Occasionally, for pain control for lower back,
6 because he reported improvement, I said keep taking it
7 if he has low-back pain.

8 Q Okay. Now, did he return to see you on June
9 the 7th of 2010?

10 A He did come back June 7th.

11 Q And was he having any kind of problems with
12 his neck when he came back June 7th of 2010?

13 A He reported the same complaints of neck pain
14 and tingling in the left hand.

15 Q And those were the same type of problems that
16 he had seen Dr. Glenn for just after this January of
17 2010 wreck?

18 A Abs-- exactly. Like he had the -- pretty
19 much the same complaints like he came to see me for
20 initially.

21 Q Okay. And he was having neck pain and
22 tingling in his left hand?

23 A Yes, sir.

24 Q And so what did -- what was your course of
25 treatment June 7th of 2010? What did you decide?

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1 A So we decided -- like it's not improving as
2 much as I wanted, so I decided to send him to see a
3 surgeon to see if he needs any further correctional
4 surgery, given that he had a history of surgery and
5 having the conservative management fail. So I decided
6 to send him to see Dr. Choudhri.

7 Q Okay.

8 THE REPORTER: Doctor...

9 THE WITNESS: Choudhri. - -

10 C-H-O-U-D-H-A-R-I [sic]. Haroon is the first name.
11 H-A-R-O-O-N.

12 Q (By Mr. Wilson) And I believe we've already
13 discussed that Dr. Choudhri did surgery in October of
14 2010?

15 A Yeah. For the record, so the patient went to
16 Dr. Choudhri. I never got a chance to see him back
17 again after I referred him there. He pursued his care
18 with Dr. Choudhri, and that was my last visit with him,
19 if I'm not mistaken.

20 Q Okay. That -- I believe that was.

21 A After clinic visit, yeah.

22 Q Okay. Now, Dr. Choudhri kept in touch with
23 you a few times about Mr. Breland's progress and his
24 treatment?

25 A Absolutely. He was sending me his notes about

1 what he was doing, his progress and stuff.

2 Q And you've had an opportunity to review those
3 letters and review those notes?

4 A I did look at them.

5 Q What was Dr. Choudhri's impressions about
6 Mr. Breland's condition and injury?

7 A Dr. Choudhri believed that the structural
8 changes in the neck are causing the problem, and he
9 thought the best way to move forward is to try and
10 correct them with the surgery to structurally fix the
11 discs that are herniating, hoping that that should help
12 his neck pain.

13 Q Did -- did Dr. Choudhri reference the January
14 of 2010 wreck that Mr. Breland had been involved in --

15 A I believe he did --

16 Q -- with his communications with you?

17 A -- it in his notes. I believe he did that in
18 his note.

19 Q And -- and what -- and in what regard did he
20 do -- do that?

21 A "Three or four months ago, he was in --
22 involved in a motor vehicle accident, which
23 significantly aggravated his neck pain, and he has had
24 progressive pain since that time." That was,
25 quote/unquote, his sentence from his letter to me.

1 Q Okay. Let's talk briefly about the surgery
2 that Dr. Choudhri did.

3 Can you -- can you just tell the jury the
4 type of surgery or the medical name of the surgery that
5 Choudhri performed in October of 2010? --- ---

6 A For the record, I'm not a surgeon and I am not
7 an expert on the surgery.

8 But, briefly, he did a C7-to-T1 fusion.
9 So he went ahead inside and made sure -- according to
10 his note to me, like, he had done surgery with fusion of
11 C7 to T- -- C3 to T1.

12 Q Okay. C3-to-T1 fusion?

13 A That's what I remember.

14 Q Do you have that surgical note right there?

15 Here it is right here. You got the note?

16 A Yeah. One second. I need to look at
17 postoperative diagnosis.

18 Q I think he did a laminectomy.

19 A Yeah. So C -- so the procedures performed
20 were, like, C3-to-T1 laminectomy.

21 Q And what does "laminectomy" mean?

22 A So lamina is the bony structure that comes out
23 of the vertebral body covering, like, a circle around it
24 into the back. So they literally cut that to give space
25 for the nerves in (unintelligible).

1 Q Okay. Was there also another procedure
2 performed from C3 to T1?

3 A So posterolateral/later- -- arthro- --
4 arthrodesis, I'm not very sure about what exactly that
5 procedure is.

6 Q Okay. All right. Now, and that -- tho- --
7 tho- -- that surgery done in October of 2010 was done at
8 the same levels that Mr. Breland had had surgery back in
9 1999, but also at one level above and one level below --

10 A That's right.

11 Q -- that area, correct?

12 A That's correct.

13 Q From your review of the records, did it look
14 like Mr. Breland's surgery was successful?

15 A As -- as far as Dr. Choudhri's notes indicate,
16 he did better after surgery.

17 Q Okay.

18 A And he was discharged and in stable condition.
19 That's as per notes.

20 Q Okay. And I think you said you had not seen
21 Mr. Breland since you referred him to Dr. Choudhri?

22 A That's correct. I never got a chance to see
23 him back.

24 Q Okay. So you cannot testify about his current
25 condition or any type of problems he may be having

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1 currently?

2 A That's right. I cannot testify that.

3 Q In your experience, after a person has this
4 type of procedure performed after this type of injury,
5 would you expect them to have some residual neck or arm
6 pain or -- or extremity pain after undergoing this type
7 of surgery?

8 MR. NESS: Object to the not given to the
9 proper standard, and Dr. Mummaneni has just said that
10 he -- that he hadn't seen him, so he couldn't --
11 couldn't state that.

12 Q (By Mr. Wilson) Let me re-ask the question,
13 Dr. Mummaneni.

14 In your opinion, to a reasonable degree
15 of medical certainty, would you expect a person who had
16 Mr. Breland's injury and had undergone the type of
17 surgery that Mr. Breland had to undergo to continue to
18 experience any kind of neck or arm or upper extremity
19 pain, to have any kind of residual effects or residual
20 pain?

21 A It depends on patient to patient. Some don't,
22 so I don't expect every patient --

23 MR. NESS: Objection. Because he's
24 asking him a general question. But then you
25 specifically related it to Mr. Breland, and

1 Dr. Mummaneni says he's not seen Mr. Breland, so I don't
2 think he's in a position to be able to say that.

3 Q (By Mr. Wilson) Go ahead and answer.

4 MR. WILSON: He's going to go ahead and
5 answer the question, Richard, and we can take up the
6 objection.

7 A So the -- the -- my answer is, like, after
8 surgery, it depends on patient to pain. Some patients
9 don't have any pain. Some do. So it's very difficult
10 to predict which ones will, which ones don't.

11 Q (By Mr. Wilson) Okay. Now, Dr. Mummaneni,
12 we -- we spoke earlier about the surgery that
13 Mr. Breland had in Nevada in 1999 that you're familiar
14 with and reviewed the records on?

15 A Yeah. I did just -- looked into those
16 records.

17 Q Okay. I want to ask you to take a look -- can
18 I see those records that you have right there, doctor?

19 A These are from my -- my records or from
20 Nevada?

21 Q From Nevada.

22 A Okay. I think these are the ones from Nevada.

23 Q Thank you.

24 A These might be, too.

25 Q I want to ask you to just take a brief look at

1 the operative note from August of 1999, the prior fusion
2 surgery that you've referenced.

3 A Mm-hmm.

4 Q And just ask you to take a look at that. Just
5 take a moment to review it.

6 A Yeah.

7 Q And then I just want to ask you to take a look
8 at those follow-up records from September of 1999 and
9 October of 1999, December of 1999 and January of 2000
10 where Mr. Breland was following up after the 1999
11 surgery. Just take a moment and review those.

12 A Okay.

13 Q Does it appear that after the 1999 surgery,
14 the four-level fusion, that Mr. Breland had improvement
15 with his neck problem or his neck pain?

16 A As for the documents, he has been --
17 consistently been reporting significant improvement in
18 the neck pain.

19 Q Okay. So after the '99 surgery, the records
20 indicate that he had improvement with his neck pain?

21 A As for these records, he did report to the
22 surgeon that his neck pain has significantly improved.

23 Q Okay. And I think the last records you looked
24 at was Jan- -- January of 2000?

25 A January 10, 2000.

1 Q Okay. He was still having problems with his
2 back at that time?

3 A Lower back. He continued to have pain, a
4 significant amount of low-back pain.

5 Q --Okay. Let me get that back one second.

6 Now, Dr. Mummaneni, I also want to ask
7 you to take a look -- you've been made aware that
8 Mr. Breland also received some treatment in Nevada back
9 in 2007 and 2008 from the Nevada Spine Clinic?

10 A I just -- I just went over this -- those
11 records briefly, but I don't remember that very well on
12 top of my head.

13 Q Let me show you and give you these records.

14 I'm going to give you those records.
15 That's the Nevada Spine Clinic from September of 2007
16 till April of 2008. Those records were sent to you by
17 me and Mr. Ness prior to today.

18 I think you said you had a chance just to
19 look at them briefly?

20 A Yes, sir.

21 Q Okay. Why don't you take a look at them.

22 A So he did go back in 2007, having neck pain,
23 parascapular pain and left-shoulder-area pain.

24 Q Okay.

25 A And low-back pain also.

1 Q I'm going to also hand you, in addition to
2 those treatment records, just a copy of an MRI of the
3 cervical spine of the left shoulder that was done back
4 in August of 2007. Just ask you to look at those also.

5 A Okay. So -- -- --

6 Q And can you take a -- just --

7 And Dr. Mummaneni, when you're finished
8 with those, if you'll just take a look at the MRIs that
9 I've put right there. Just -- those were done in August
10 of 2007.

11 A 2007. Okay.

12 Q All right. Dr. Mummaneni, from your -- your
13 review of those records, Mr. Breland went back for
14 treatment in Nevada at the Nevada Spine Clinic for
15 complaints of neck pain and left shoulder pain?

16 A He sure did.

17 Q And pain in his left fourth and fifth digits,
18 or his fingers in his hand?

19 A He sure did, yeah.

20 Q And that was in late 2000- -- September of
21 2007 and early 2008?

22 A Yes, sir.

23 Q Okay. The MRIs that were done back in 2007
24 showed some disc protrusion at C3-C4 and C7-T1?

25 A It sure di- -- it sure did.

1 Q Okay. And Mr. Breland underwent treatment at
2 the Nevada Spine Clinic for those problems?

3 A He sure did.

4 Q And was part of that treatment physical
5 therapy?

6 A Physical therapy and nerve root blocks.

7 Q Okay. And what is a "nerve root block"?

8 A So it is to block the impulses that travel in
9 the nerve root to limit them on the pain he has.

10 Q Okay. And is that a -- a normal way or a
11 conventional way of treating the type of complaints that
12 Mr. Breland had --

13 A Yes.

14 Q -- in 2007?

15 A Yes. To help the pain, that's one of the
16 injections that they used to -- that we do to relieve
17 the pain.

18 Q Okay. And, also, I believe part of his
19 treatment was to continue with some home exercises, the
20 home therapy program?

21 A Yes.

22 Q And do the records indicate that he was
23 compliant with the physical therapy and the home
24 exercise treatment?

25 A I'm not sure if they mention too much about

1 physical therapy. I haven't seen a whole lot about
2 physical therapy being continued.

3 Q Okay. From your review of those records, did
4 Mr. Breland show improvement with his complaints of neck
5 pain, left shoulder, left-arm pain, and pain into his
6 hands?

7 A As for Dr. -- who was treating him in Nevada,
8 he had improvement. One follow-up visit, and his
9 symptoms returned. And they were planning on doing a
10 repeat C7 and C8 cervical nerve root blocks.

11 Q Okay.

12 A That's the last note I have.

13 Q And that's April 2008?

14 A April 17, 2008.

15 Q Okay.

16 A So his symptoms came back. His neck was
17 hurting again and he was having problems in the left
18 side.

19 Q But he had -- he had improvement after the
20 initial nerve root block?

21 A Initial nerve root block improved, but his
22 symptoms came back and he went back to see -- that's the
23 last note I have.

24 Q Okay.

25 A They were planning on doing a second set of

1 injections.

2 Q There are no records of Mr. Breland -- I
3 believe the evidence will show there are no records of
4 Mr. Breland having any treatment for any kind of neck or
5 left-shoulder or left-arm complaints from April of 2008
6 until after this wreck of January of 2010.

7 A As far as I can see. I -- I did not come
8 across any.

9 Q Okay. Are you aware of any kind of records or
10 treatment of Mr. Breland having neck complaints or
11 seeking any kind of treatment for neck complaints,
12 left-shoulder, or left-arm complaints from April of 2008
13 until after this wreck in January of 2010?

14 A I don't have any records to review, but as far
15 as the clinical story he has told me, his symptoms
16 started significantly there. His symptoms were very,
17 very bothersome to him after the wreck.

18 Q Okay.

19 A I just have to go by what the patient told me
20 because I did not have access to all these records then.

21 Q Have you been provided, before your deposition
22 today, by me or by Mr. Ness, for the Department of
23 Transportation, any records of any complaints or
24 treatment from -- records of any complaints by
25 Mr. Breland or any treatments sought by Mr. Breland from

1 the time period of April of 2008 until after the wreck
2 in January of 2010?

3 A I did not come across any.

4 Q Okay. So you now have had an opportunity to
5 see and review again, in more detail, all of these
6 records that we've been talking about from 1999 and 2000
7 and then from -- from 2007 and 2008?

8 A Sure.

9 Q - Okay. Dr. Mummaneni, do you have an opinion,
10 to a reasonable degree of medical certainty, whether
11 Mr. Breland's injuries and the condition for which he
12 treated with Dr. Glenn and you and ultimately was
13 referred to Dr. Choudhri, who performed surgery, do you
14 have an opinion, to a reasonable degree of medical
15 certainty, whether all of that is related to or was
16 exaggerated or exacerbated by the January of 2010 wreck
17 in which he was involved?

18 A This is how -- and -- how I have to go by. I
19 have to go by the history the patient was giving. It's
20 the cause-and-effect mechanism. So he said he was not
21 having significant amount of pain. He was in an
22 accident, and his pain got significantly worse.

23 So I have assumed that it was a
24 cause-and-effect mechanism and the accident might be --
25 might be -- might have been a trigger for the symptoms.

1 Q Okay. So your opinion, to a reasonable degree
2 of medical certainty, is that the wreck caused or caused
3 the worsening of his problems and complaints?

4 A Based on his clinical history and how the
5 morphology looked, so that's -- that's what I have to
6 believe happened.

7 Q Okay. And that's your opinion to a reasonable
8 degree of medical certainty?

9 A Yes.

10 Q Are all the opinions that you've given me
11 today to a reasonable degree of medical certainty?

12 A Yes.

13 Q Dr. Mummaneni, Aiken Neurosciences would have
14 billed for your work and your services that you
15 provided, correct?

16 A Yes.

17 Q The bills that would have been submitted by
18 Aiken Neuroservices [sic], those would have been usual
19 and customary in the industry for the type of services
20 that you provided to Mr. --

21 A Yes.

22 Q -- Breland?

23 A Yes.

24 Q The complaints that Mr. Breland had when you
25 saw him February 8th of 2010 of neck pain, left-shoulder

1 Q Yes. Okay.

2 MR. WILSON: That's all the questions I
3 have, Dr. Mummaneni. Mr. Ness will have some. Thank
4 you.

5 EXAMINATION

6 BY MR. NESS

7 Q Hi, Doctor. I'm Richard Ness. We spoke
8 briefly 'cause I'm doing this deposition by telephone
9 from South Carolina.

10 A Sure.

11 Q I do have some questions that I'd like to
12 start asking about some of his other background neck
13 issues.

14 If you'd look at those Nevada records for
15 me, please.

16 A Sure.

17 Q And just to make things simple for you, on the
18 bottom right-hand corner of the pages that I sent to you
19 that Mr. Wilson also has --

20 A What's the page number?

21 Q I'll get the page numbers for you.

22 A 40?

23 Q On page 3, the Texas record shows, right there
24 on the radiographs, that -- that he has cervical
25 spondylosis; is that right? That C4-5 and 5-6.

1 C4-5 and C5-6; is that right?

2 A That's right.

3 Q All right. And what is "cervical
4 spondylosis"?

5 A It's a -- spondylosis is -- are -- are changes
6 that happen in the cervical spine.

7 Q Is that a congenit- -- a degenerative
8 condition because of age?

9 A It can be.

10 Q Okay. And this -- that record also shows, a
11 couple lines down, that he had marked narrowing of the
12 spinal canal in 1998; is that right?

13 A "Revealed the CT scan on June of '97" -- yes.

14 Q Okay. And that was at the C4-5 and C5-6
15 levels?

16 A That's right.

17 Q And the narrowing of a spinal canal, that's a
18 natural condition that someone is born with; isn't that
19 right?

20 A Here they're talking about radiograph and
21 cervicals re- -- revealed subaxial cervical spondylosis.
22 That looks like an acquired condition.

23 Q As opposed to what?

24 A So based on, like, a sentence about -- they're
25 saying radiographs and cervical spine reveals subaxial

1 cervical spondylosis at C4-5 and C5-6.

2 Q Yeah. And my question, that -- that's just a
3 natural degeneration issue, isn't it?

4 A I don't know how to predict if it is natural
5 or was, like, an acquired.

6 Q Okay. Well, either way, he had that problem
7 as -- as of 1998, is that right?

8 A Yeah. It looks like he had these problems
9 since '98.

10 Q Okay.

11 A Neck pain and --

12 Q If you turn to page 5, which is August the
13 6th, 1998.

14 A Page 5. Okay. I --

15 MR. WILSON: Hang on. It's right here,
16 Doc.

17 A Okay. Page 5. Go ahead.

18 Q (By Mr. Ness) About eight lines down on that
19 page, what does that note from the physician say? It
20 starts that "He does appear to have."

21 A So you said eight lines down? Three, four,
22 five, six, seven.

23 "He does appear to have significant disc
24 osteophyte complex and" --

25 Q What is "disc osteophyte complex"?

1 A Yeah. "He does appear to have disc" -- bo --
2 so both disc and bone problem.

3 Q All right. Is that a natural condition, or is
4 that something that's caused by trauma in 1998?

5 A It can -- it -- it is most likely acquired.

6 Q So by trauma, is that what you're saying?

7 A When you say "natural," what do you mean by
8 that?

9 Q -- Because he's aging. He's 58, 59 years old at
10 that point in time.

11 I'm just -- is that something you just
12 get as you get older sometimes?

13 A You can.

14 Q Okay.

15 MR. WILSON: He's 53.

16 Q (By Mr. Ness) All right. And he had
17 osteophyte problems, formation, on his cervical area at
18 C4-5 and C5-6 according to that note, right?

19 A Yes, he did.

20 Q All right. If you turn to page 8, number 8,
21 1998 records.

22 A Uh-huh. Page -- number 8?

23 Q All right. The first sentence -- or second
24 sentence says that -- that "He continues to have
25 symptoms of neck pain, interscapular pain, and weakness.

1 in his upper extremities," right?

2 A You're talking about page number 8?

3 Q Yes, sir.

4 A Okay. Let's see. Which line are we talking
5 about?

6 Q The -- the second sentence. It starts on the
7 first line --

8 A Oh, yeah, yeah, yeah, yeah.

9 Q -- of the second sentence.

10 A Okay. "He's continuing to have symptoms of
11 neck pain, interscapular pain, and weakness in" the --
12 "weakness in his upper extremities," yes.

13 Q Okay. The upper extremities, does that mean
14 his -- both arms? Is that right?

15 A Yeah. When he said "upper extremities," both
16 arms.

17 Q Okay. If you look at page 13 for me.

18 Down at the bottom of the page, the
19 next-to-the-last line, it says, "He's noted to have
20 subaxial disc osteophyte complex"?

21 A So you're talking about 13, right?

22 THE WITNESS: So I have --

23 Q (By Mr. Ness) Yes, I am.

24 THE WITNESS: -- 12 and I have 14. I
25 don't have 13. It's just 12 and 14.

1 MR. WILSON: That should -- that's 13.

2 THE WITNESS: This is -- this is 12 or
3 13?

4 MR. WILSON: That's 13.

5 Q (By Mr. Ness) The -- the date of that
6 report's --

7 A Okay.

8 Q -- April 16 --

9 A So -- okay.

10 Q -- 1999.

11 A Got that. As far as the cervical spine --

12 MR. WILSON: Richard, can he -- Richard,
13 hold on one second. Can -- I think you-all were talking
14 to each other. Can he say the date of that report? Can
15 you read the date of that report, please.

16 THE WITNESS: 4/16/1999.

17 MR. NESS: April 16, 1999.

18 THE WITNESS: Yeah.

19 MR. McLEAN: Okay. Thank you.

20 THE WITNESS: Yeah. As --

21 Q (By Mr. Ness) Now, would you read that
22 sentence that starts "as far as"?

23 A Yeah. "As far as his cervical spine is
24 concerned, he's noted to have subaxial disc osteophyte
25 complex."

1 Q From a medical standpoint, what does that mean
2 he has when he says he has osteophyte complex?

3 A What that means is like the intervertebral
4 disc and the -- and the bone arounding that --
5 surrounding that are having a pathology there.

6 Q "A pathology" means something that's not
7 normal?

8 A Yeah. Something that is -- how can you --
9 -- something that should not be seen in a normal spine.

10 Q Right. Now, if you've got -- if someone has
11 osteophyte complex like this physician has determined
12 that Mr. Breland has, does that type of situation go
13 away by itself or does it heal itself?

14 A No, osteophyte complexes don't. Discs can get
15 better, but usually the bony disease does not get better
16 by itself.

17 Q Okay. So that's something he's probably going
18 to have throughout his lifetime?

19 A Yeah.

20 Q Okay. If -- if you look at page 15, please,
21 which is -- for the record, is May 3rd, 1999, record.

22 A Yeah. You're right, 5/3/99.

23 Q Okay. And the -- the third sentence there
24 starts on the first line with the word "There."

25 A Yeah. "There is evidence of subaxial cervical

1 Reddiah Babu Mummaneni on July 26, 2013. Going on the
2 record. The time is 2:43.

3 MR. WILSON: We're back on, Richard.

4 Q (By Mr. Ness) Okay. Dr. Mummaneni, I --

5 A Yeah.

6 Q We had an interruption with my speakerphone
7 and whatnot, but I think we're back on track now.

8 A Yeah.

9 Q - If you'd look at the record from August 9,
10 1999, handwritten page number at the bottom number 22.

11 A I got it, yeah.

12 Q Okay. The second sentence on that page starts
13 with "x-rays."

14 A Uh-huh. [As read] "X-rays of the cervical
15 spine today reveal further degeneration, disc bulge, and
16 disc osteophyte complex of C4-5, C5-6 and, to some
17 degree, C6-7."

18 Q Okay. And we talked about the osteophyte
19 complex, but tell me, from a neurologist standpoint,
20 what does "further degeneration of the cervical spine"
21 mean to you?

22 A Means there is worsening of that pathology
23 either with a disc or the bone. So when you say
24 "osteophyte," it's basically arthritic changes.

25 Q Okay. That would be a natural change, right?

1 A "Natural" means it can happen with age, can
2 happen with disease of the neck.

3 Q If you'll look at page 34.

4 MR. WILSON: It's right here, Doc.

5 Q (By Mr. Ness). That's the MRI report of
6 November 5th, 1998.

7 A One second. Okay. This is number --

8 Q The findings of that -- well, first of all,
9 what is an MRI report? -- What -- what -- what is the MRI
10 actual test?

11 A So MRI is a way of imaging the body parts.
12 Its long form is magnetic resonance imaging.

13 Q And does that do something that's more
14 advanced than the -- the older x-ray systems?

15 A Yes, it is. It gives you -- it gives picture
16 of the spine in much better detail than general x-rays
17 or CAT scans do.

18 Q Okay. Well, if you look at the findings on
19 that November 5th, 1998, report.

20 A Uh-huh.

21 Q First sentence, what does it say about what
22 changes are present?

23 A You want the first sentence?

24 Q Yeah. "Multilevel..."

25 A "Multilevel disc degenerative changes are

1 present."

2 Q All right. Now, that confirms, by MRI tests,
3 that this is a degenerative process that he's having, at
4 least in 1998; is that right?

5 A That's right.

6 Q And, you know, from a standpoint of medical
7 terms, when we say "a degenerative process," we're
8 talking about something that's a natural aging process
9 similar to arthritis?

10 A It -- it can be, yeah.

11 Q Okay. And the -- the second sentence said
12 "C4-5." It talks about abnormal signal intensity at the
13 C4 and upper C5, and then it talks about anterior
14 osteophyte -- osteophyte formation.

15 A Yes.

16 Q All right. Again, that's -- that's a process
17 that's got nothing to do with being hurt in particular;
18 it's just something that happens to people as they get
19 older.

20 A It can be.

21 Q Yes. And if you look on down under the
22 findings where it talks about the C5-6, he had
23 osteophyte formation at the C5-6 in 1998, too, didn't
24 he?

25 A So -- yeah. Impression, they're talking about

1 chronic disc degenerative changes seen at C4-5, C5-6,
2 and C6-7.

3 Q Okay. And then the next sentence about the
4 C6-7, that's degenerative changes as well; that's what
5 you're saying?

6 A That's what it says, yeah.

7 Q Okay. And, Doctor, what is the impression
8 of the -- stated by the radiologist that did the MRI
9 test at the bottom of that page?

10 A So the impression is there were evidence of
11 chronic disc degenerative changes at C4-5, C5-6, and
12 C6-7. There was also bony foraminal encroach- --
13 encroachment bilaterally at C4-5 and C5-6. There was
14 greatest indentation on ventral thecal sac at C4-5, with
15 flattening of left ventral cord, and suggestion of
16 left-sided cord myelomalacia.

17 Q Okay. Now, his first word in that impression
18 that he gave you that you just read from said "Chronic."
19 What does that mean to you as a
20 neurologist?

21 A So, to me, that means he had a significant
22 amount of degenerative disc disease and also bony
23 problems, like with the vertebral bodies, to the point
24 of where it is pressing on the spinal cord and it is
25 putting a lot of pressure on the spinal cord.

1 Q Okay. And when we say "chronic," that means
2 continuing or it doesn't go away?

3 A Yeah. "Chronic" means it's -- it's -- de- --
4 degenerative changes are happening. It's been there for
5 a while. It's not like -- like sometimes there are
6 discs that herniate overnight, and give a big
7 herniation. They're talking about chronic, means --
8 that means it's been going on, subtle changes.

9 Q Okay. And if you turn one page to page 35,
10 which is a CAT scan of the cervical spine dated June
11 20th, 1997.

12 A CT scan -- for 35. Okay.

13 MR. WILSON: That's the last page.

14 Q (By Mr. Ness) What is a CAT scan, a CT scan?

15 A Okay. CT scan is like an advanced plane
16 x-ray. It looks -- using a computer technology to look
17 at multiple images done with plane x-ray to reconstruct
18 the images of the spine.

19 Q In terms of accuracy, from your opinion as a
20 neurologist about CT scans and MRI scans, which one is
21 more informative to you as a physician?

22 A MRI.

23 Q Okay. Well, on the CT scan here they did --
24 and I'm not asking you to read these, but does the CT
25 scan bear out the same thing that the MRI test that we

GIVENS COURT REPORTING

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1 just went over bore out? He has chronic herniated --
2 excuse me, chronic disc disease problems and narrowing?

3 A Yes. Yes, it did agree with the findings on
4 the MRI.

5 Q Okay. And it -- it also echoes it as to
6 osteophyte formation, doesn't it?

7 A Yes.

8 Q Okay. Doc, if I can get you to look at page
9 39 for me.

10 That is an EMG and nerve conduction study
11 done in 1999.

12 A Yes.

13 Q All right. Now, you talked about -- you
14 did -- you actually had an EMG nerve conduction study
15 done in 2010, didn't you?

16 A I did.

17 Q All right. Tell me, if you could, what
18 this -- if you can, what the EMG and nerve conduction
19 study in 1999 demonstrated, what it told you that this
20 gentleman had 11 years before you saw him.

21 A Okay. That -- what the EMG shows is that the
22 ulnar nerve is being pressed at the cubital tunnel.
23 That is in the elbow.

24 THE WITNESS: Do you want me to spell
25 anything?

1 radiate to his left upper extremities?

2 A Yeah. He -- he --

3 Q How can that happen?

4 A Yeah. That's -- I'm thinking severe pain in
5 his neck. I -- because lower back pain does not radiate
6 into the hand.

7 Q Okay. So this -- based on what we're looking
8 at, we think that might be in the neck radiating into
9 the left upper extremity?

10 A If I had to make sense, that's what I would
11 think.

12 Q All right. Now, when he -- you saw him in
13 2010, he had pain in the left upper extremity that --
14 that you diagnosed as coming from his neck issues,
15 didn't you?

16 A Yeah.

17 Q Okay. Now, what's the reason he gives there
18 to the doctor that's notated in these doctor's notes of
19 why he's having additional problems in his left upper
20 extremity?

21 A His primary complaint was neck pain that was
22 going down into the left hand, with some tingling in the
23 fourth and fifth fingers. So he -- the primary thing he
24 told me was he was involved in an accident and, since
25 then, the pain got significantly worse.

1 Okay. Got it.

2 Q Under the history, the first couple
3 sentences -- first four sentences of Dr. Choudhri's
4 record based on what he writes down that Mr. Breland
5 told him, would you start on the middle of the fourth
6 line and read that sentence for the jury, please.

7 A "The patient has a well-healed anterior
8 cervical scar and has been doing reasonably well until
9 last year when he began to notice return of symptoms
10 into his hands as well as low-back pain."

11 Q All right. So if this written letter was
12 written in June 15th, 2010, and Mr. Breland told
13 Dr. Choudhri -- or Choudhri that he was doing well until
14 he began to notice return of symptoms into his hands
15 last year, he would be back into 2009, wouldn't he?

16 A According to his note, that's what it looks
17 like.

18 Q Okay. So the fact that Mr. Breland may have
19 told you that he was not having any problem until this
20 wreck, based on this statement and Dr. Choudhri's
21 records, may be -- may have been incorrect?

22 A He did not tell me anything about not having.
23 He said his symptoms got significantly worse after the
24 accident. That's exactly what Dr. Choudhri is also
25 documenting.

1 Q Okay.

2 A That the symptoms got worse, which
3 significantly aggravated his neck pain, and he has had
4 progressive pain since that time.

5 Q Doc, would you look at page 86, which is an
6 MRI result?

7 A Uh-huh.

8 Q That MRI, did you order it or did Dr. Choudhri
9 order it?

10 A I think if it is the MCG, it was Dr. Choudhri.
11 I think I ordered the brachial plexus. I'm not sure.

12 Hold on one second, if we can tell who
13 ordered this.

14 I'm -- they -- they're not talking about
15 who ordered -- ordering physician. I'm not so sure.

16 Q And you've got it in your file -- you've got
17 it in front of you now, right?

18 A Yeah, I do. I do.

19 Q Okay. Under the findings --

20 A Uh-huh.

21 Q If you'd look at the second paragraph under
22 findings where it says, [as read] "At the level C3-4."

23 A Mm-hmm.

24 Q They said, "there is a large anterior
25 osteophyte and disc narrowing."

1 major surgery, and I think you agreed with him?

2 A Yeah.

3 Q Four-level fusion?

4 A Yeah.

5 Q The surgery that Dr. Choudhri had performed in
6 October of 2010 was also a major surgery, wasn't it?

7 A It is, yeah.

8 Q Okay. So, I mean, both of them you would be
9 con- -- you would consider to be major surgery?

10 A Yeah. Neck surgery is always major surgery.

11 Q All right. We know that Mr. Breland had prior
12 problems with his neck, his left arm, and his left hand
13 as far back as 1990- -- the late 1990s, don't we?

14 A Yes.

15 Q We know that from the Nevada records from 1999
16 and 2000 where he treated and ultimately underwent
17 surgery, correct?

18 A That's right.

19 Q And the doctor in Nevada did a surgical repair
20 to try to resolve those problems that Mr. Breland had at
21 levels C4 through C7, correct?

22 A C4 to C7, yeah.

23 Q And the surgery that he did was a fusion
24 surgery where he fused those levels together, correct?

25 A That's right.

1 A That's right.

2 Q And that's normal and expected, correct?

3 A Normal and expected.

4 Q And then from April of 2008 until January of
5 2010, there's no indication that Mr. Breland had any
6 type of problems or injuries or pain or anything that he
7 had to seek treatment for with respect to his neck;
8 isn't that correct?

9 A I don't have a documented evidence that he
10 received any treatment.

11 Q Okay. And nothing's been provided to you by
12 Mr. Ness, the attorney for DOT?

13 A No. I don't have -- I never saw any of those.

14 Q And in January of 2010, he's involved in this
15 wreck that we're here about in this case.

16 A Mm-hmm.

17 Q And then he's had to be seen by Dr. Glenn, who
18 referred him to you.

19 A Yeah, that's right.

20 Q And you, ultimately, referred him to
21 Dr. Choudhri for surgery?

22 A That's right.

23 Q I want to ask you -- on that June 15 of 2010
24 letter, Mr. Ness asked you to read a sentence there.

25 Let me ask you to -- I want you to -- I want to get you

1 to read the rest of the report that Mr. Ness didn't ask
2 you to read.

3 Mr. Ness asked you to read this sentence
4 right here that starts with "The patient."

5 A Mm-hmm.

6 Q I want you to read that again for the jury.
7 It's about the third sentence.

8 A "The patient has a well-healed anterior
9 cervical scar and has been doing reasonably well until
10 last year when he began to notice return of symptoms
11 into his hands, as well as low-back pain."

12 Q Okay. Now I want you to read the next
13 sentence, the part Mr. Ness didn't ask you to read out
14 of Dr. Choudhri's June 15, 2010, letter.

15 A "Three or four months ago, he was involved in
16 a motor vehicle accident, which significantly aggravated
17 his neck pain, and he has had progressive pain since
18 that time."

19 Q So Dr. Choudhri notes that he had been in this
20 wreck and this wreck had significantly aggravated
21 Mr. Breland's neck pain and problems, correct?

22 A Exactly the same I documented in my note.
23 That is what the patient gave us the history as.

24 Q Okay. And that's doc- -- and as you can tell
25 from that report of June 15 of 2010, that's

1 Dr. Choudhri's opinion as to the cause of Mr. Breland's
2 problems for which he is being seen by Dr. Choudhri?

3 A So this is called -- this is what we call
4 history of present illness. This is documenting what
5 the patient tells us.

6 Q The patient tells you, correct?

7 A The patient give -- tells a story, this is
8 what happened. We are going on the chronology of
9 events.

10 Q Okay.

11 A Both me and him are documenting that this is
12 what the patient has been telling us this is what
13 happened.

14 Q And based on that and based on your treatment
15 of Mr. Breland, your opinion, to a reasonable degree of
16 medical certainty, is that the wreck exacerbated or
17 aggravated Mr. Breland's neck condition to the point
18 that he had to seek treatment from Dr. Glenn and then
19 ultimately from you?

20 A Based on the clinical history he has given to
21 us, I have to think -- I have to treat the patient, not
22 the MRIs and everything. Based on what he was telling
23 us, that his pain got significantly worse after, I have
24 presumed that -- that something happened which caused
25 the pain wor- -- gotten worse, and that's what we went

GIVENS COURT REPORTING

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1 with.

2 Q Okay. And that's -- and your opinion, to a
3 reasonable degree of medical certainty, is the wreck is
4 what caused that, correct, or what caused that worsening
5 or that aggravation of his condition?

6 A Based on the clinical history of the patient,
7 yes.

8 Q Okay. And that worsening or aggravation of
9 his condition from the wreck that's based on the
10 clinical history would be what was the cause of your
11 referring -- referring William to Dr. Choudhri for neck
12 surgery, correct?

13 A Yeah. Because he was having consistent pain
14 in his neck, which is not getting better, so I thought I
15 had to get surgical opinion for that.

16 MR. WILSON: Okay. That's all the
17 questions I would have. Thank you very much.

18 FURTHER EXAMINATION

19 BY MR. NESS

20 Q Just a few follow-up questions. I know it's
21 late on a Friday afternoon. But I want to make sure I
22 understand what -- what you're saying and based on
23 Mr. Wilson's most recent question of what was caused
24 here, in your opinion, by this wreck in 2010.

25 When -- let's go back to the date -- say,

1 Q He already had the -- and if you disagree with
2 me, tell me.

3 But -- but you already had the problems
4 both below and above the prior fusion? He already had
5 the prior fusion done.

6 A Yeah. So --

7 Q And the natural and degenerative conditions
8 all preexisting the date of this wreck that he's
9 bringing this case about; is that right?

10 A This is -- this is my synopsis. He had
11 spondylitic changes before and almost since '99, and he
12 had progression of the disease. But what -- based on
13 what the patient is giving me a clinical history, he had
14 significant worsening of the pain after the wreck. So I
15 don't know.

16 Morphologically, I can't say on the MRIs
17 there was dramatic change after the accident. But,
18 clinically, he had significant worsening of pain, so I
19 had to go by what the patient told me.

20 Q Okay. I understand. So this -- really, what
21 you're saying is, based on what he's told you and by
22 history and looking at all of these MRIs and CT scans,
23 the history is he's got more pain now since this wreck,
24 but the conditions that caused the pain were all
25 preexisting, weren't they?

1 A It's the morphology. The spondylosis and
2 everything has been there before.

3 Q Okay. That's --

4 A He --

5 Q -- what, I was asking you.

6 MR. NESS: Thank you, Doctor. I don't
7 have any other questions.

8 THE WITNESS: Thank you.

9 FURTHER EXAMINATION

10 BY MR. WILSON:

11 Q Just -- just two follow-up real quick --

12 A Yeah.

13 Q -- Dr. Mummaneni.

14 Dr. Mummaneni, you said the morphol- --
15 the morphology had been there prior to the wreck or the
16 conditions had been there prior to the wreck, correct?

17 A That's right.

18 Q But as far as the records that we've been
19 provided that have been produced by Mr. Ness with DOT,
20 we know that from April of 2008 till January of 2010,
21 Mr. Breland wasn't having any problems for which he had
22 to seek treatment?

23 A I don't have any documented evidence.

24 Q Okay. And I think the terminology is that --
25 that it's asymptomatic or it's -- the -- the conditions

1 are not producing pain or symptoms, correct?

2 A If the patient told -- if the patient did not
3 have any pain from 2000-whatever -- the last time --

4 Q 2008.

5 A -- to whatever, then it became asymptomatic.

6 The morphology can become asymptomatic.

7 Q So you can have these underlying conditions or
8 these problems that Mr. Breland had in his neck from
9 1999 going forward without having pain or -- without
10 having significant pain or problems, can't you?

11 A Some people do have these changes and not have
12 pain.

13 Q Okay. And Mr. Breland's history and the
14 records indicate that he was not having significant pain
15 prior to the January of 2010 wreck?

16 A Based on what he told me, like, the pain got
17 significantly worse after the accident.

18 MR. WILSON: Okay. That's all I would
19 have. Thank you.

20 MR. NESS: No further questions. Thank
21 you very much, Doctor, for your time.

22 THE WITNESS: Thank you so much.

23 THE VIDEOGRAPHER: Watch your microphone,
24 sir.

25 THE WITNESS: Oh, sorry.

GIVENS COURT REPORTING
9532 Morgan Creek Drive, Austin, Texas 78717 (512) 301-7088

STATE OF SOUTH CAROLINA	)	IN THE COURT OF COMMON PLEAS
COUNTY OF ORANGEBURG	)	CASE #: 2011-CP-38-1379
	)	
WILLIAM BRELAND,	)	
	)	
PLAINTIFF,	)	
	)	
VS.	)	VIDEO DEPOSITION
	)	
	)	OF
SOUTH CAROLINA DEPARTMENT OF	)	
TRANSPORTATION,	)	ROSA SHARP
	)	
DEFENDANT.	)	

THE VIDEO DEPOSITION OF ROSA SHARP WAS TAKEN
BEFORE SUESAN L. RICHARDSON, A NOTARY PUBLIC IN AND FOR THE
STATE OF SOUTH CAROLINA, COMMENCING AT THE HOUR OF 6:33
P.M., WEDNESDAY, SEPTEMBER 4, 2013, AT THE HOME OF ROSA
SHARP, 7270 SAVANNAH HIGHWAY, NEESES, SOUTH CAROLINA.

REPORTED BY
SUESAN L. RICHARDSON

COPY

1 Q You mentioned that some years ago that you -- you and
2 your husband had -- you had an ice storm. That was
3 back in about 10 or 12 years ago, I think. Is that
4 right?

5 A Yeah, it was --- I think it was 2001 if I'm not sure.

6 Q Okay. Did you -- did y'all cut up any of these trees
7 you talked about?

8 A Oh, yeah.

9 Q Okay. Well, in general, when you went toward Norway
10 back in 2010 timeframe, 2009 timeframe -- because this
11 is early January of 2010 we're talking about -- it's my
12 understanding you had not seen a dead tree on the right
13 hand side of the road.

14 A No, sir, I have not.

15 Q All right. And if -- if there had been a dead tree in
16 there --

17 MR. WILSON: I'm going to object to you leading
18 her. I'm going to just object to the leading.

19 MR. NESS: Okay, let me rephrase that. That's a
20 technicality following the rules on things.

21 Q What did you see on the right side of the road when you
22 went toward Norway, if anything?

23 A Not anything. Trash maybe, but I've never seen a tree.
24 If there had been a tree -- now, this is the way I am,
25 I would've -- I would've removed it if I had seen it

1 laying on the road or wherever, where someone would hit
2 it --
3 Q Okay.
4 A -- myself, you know?
5 Q What if the tree had been -- a dead tree had been
6 standing?
7 A Well, I would've told someone about it. I mean, I -- I
8 check mine all the time, you know, to make sure. I've
9 had a lot of trees cut down in my yard --
10 Q And --
11 A -- that look bad.
12 Q Are you aware of whose property this is next door to
13 this --
14 A Yes, sir.
15 Q -- to the south?
16 A Yes, sir.
17 Q Whose property is that?
18 A This is Nancy Bolin's. I don't know how far it goes
19 that way. I know Ms. -- Ms. Fogle lives in the next
20 little house, so I don't know how far Nancy's property
21 goes.
22 Q Okay. Who -- is that -- what's her name? Modelle
23 Fogle?
24 A Yeah. Uh-huh (affirmative).
25 Q Okay.

1 A It's Coker Frazier's momma.

2 Q All right. And, did you have any occasion to see any
3 debris from limbs or a dead tree, pieces of a tree that
4 had fallen on the shoulder of the road in or around
5 2010?

6 A No, sir. And I -- like I said, I came home that -- the
7 morning of the -- the ninth to take -- take me a shower
8 and I didn't see a tree that day either.

9 Q Okay. Well, what about prior to that time, had you
10 seen anything on the side of the road?

11 A No, sir. No, sir.

12 Q I -- would you -- had you ever called anybody about a
13 dead tree along -- anywhere along 321?

14 A I -- no, I haven't. I know one time one of my trees
15 got heavy weighted and it was laying on my mailbox, one
16 of the limbs, and I called the county and they came and
17 cut it for me.

18 Q Okay. All right. Thank you, Ms. Sharp, I don't think
19 I have any other questions.

20 A Okay.

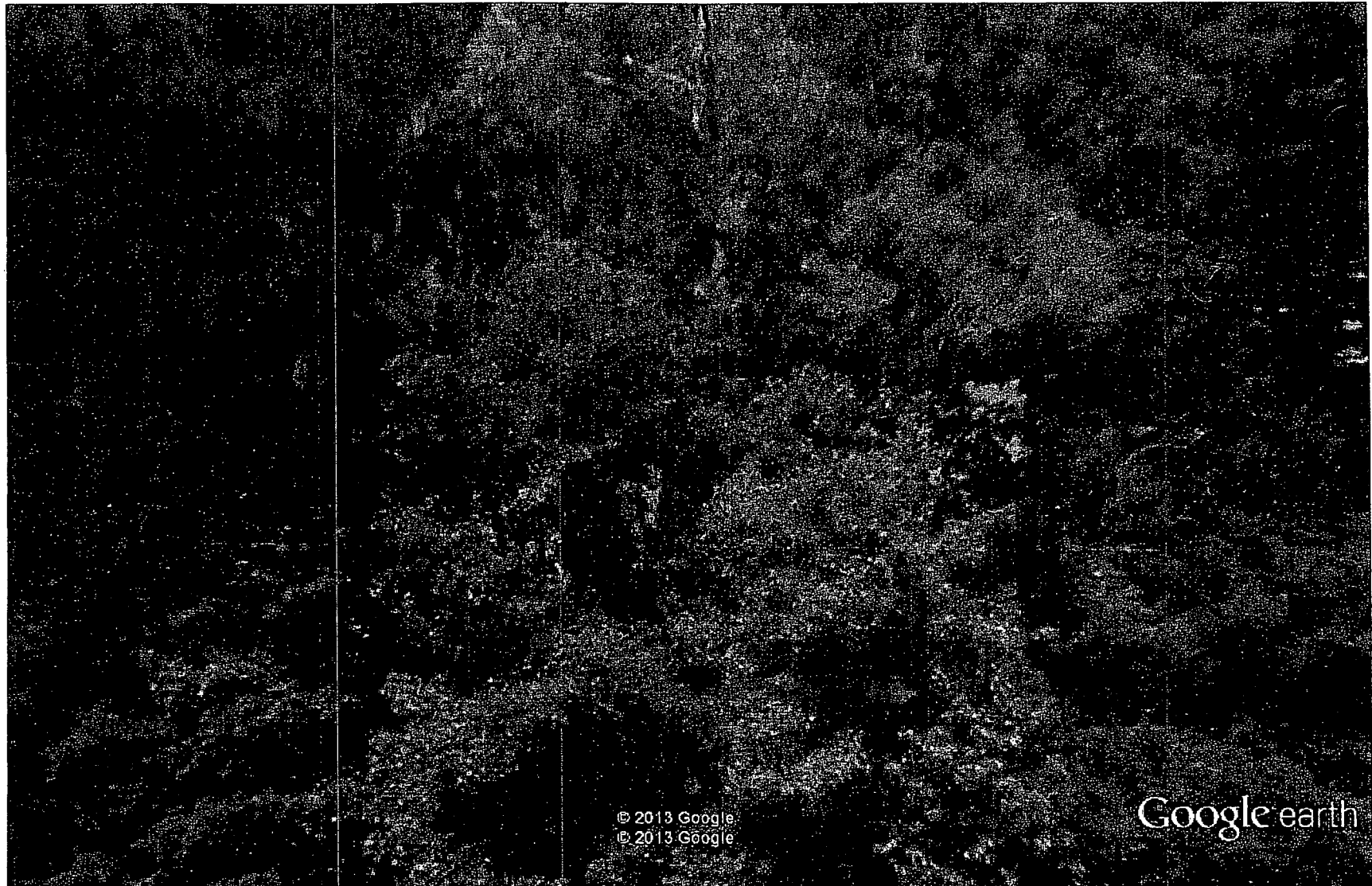
21 CROSS-EXAMINATION

22 BY MR. WILSON:

23 Q Ms. Sharp --

24 A Yes, sir.

25 Q -- I wanted to ask just a little about you. And you're



Google earth

feet
meters

IMAGERY DATE: 5/2008

GOOGLE EARTH

30
9

PENGAD 800-631-6989	PLAINTIFF'S EXHIBIT
	1
	9/3/13 JLG

- TREE REMAINS
- FENCE
- OHP — OVERHEAD POWERLINE
- P — POWER POLE
- ⊗ TREE STUMP REMAINS

GRAPHIC SCALE



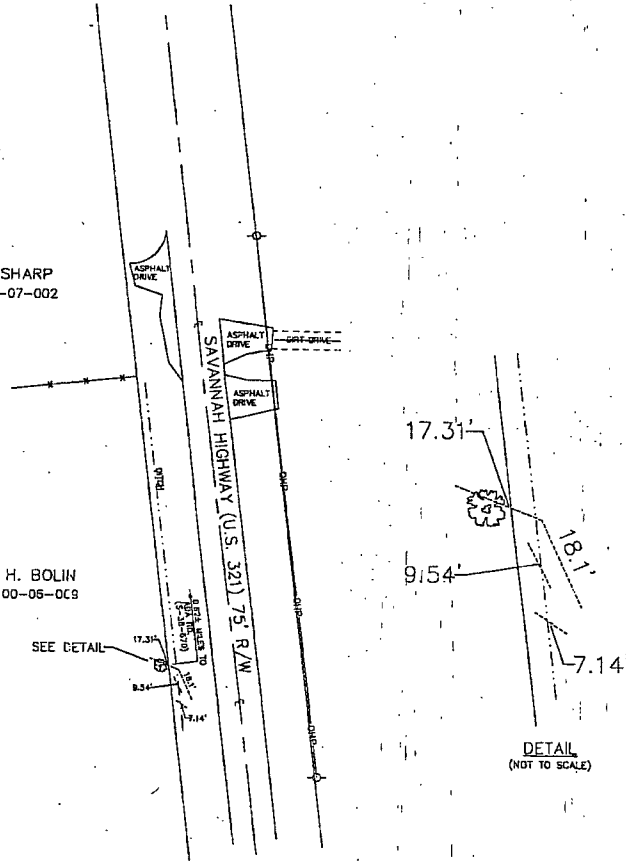
(IN FEET)
1 inch = 60 ft.



ROSA W. SHARP
TM 056-00-07-002

NANCY H. BOLIN
TM 056-00-06-009

SEE DETAIL



DETAIL
(NOT TO SCALE)

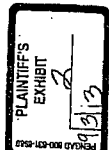
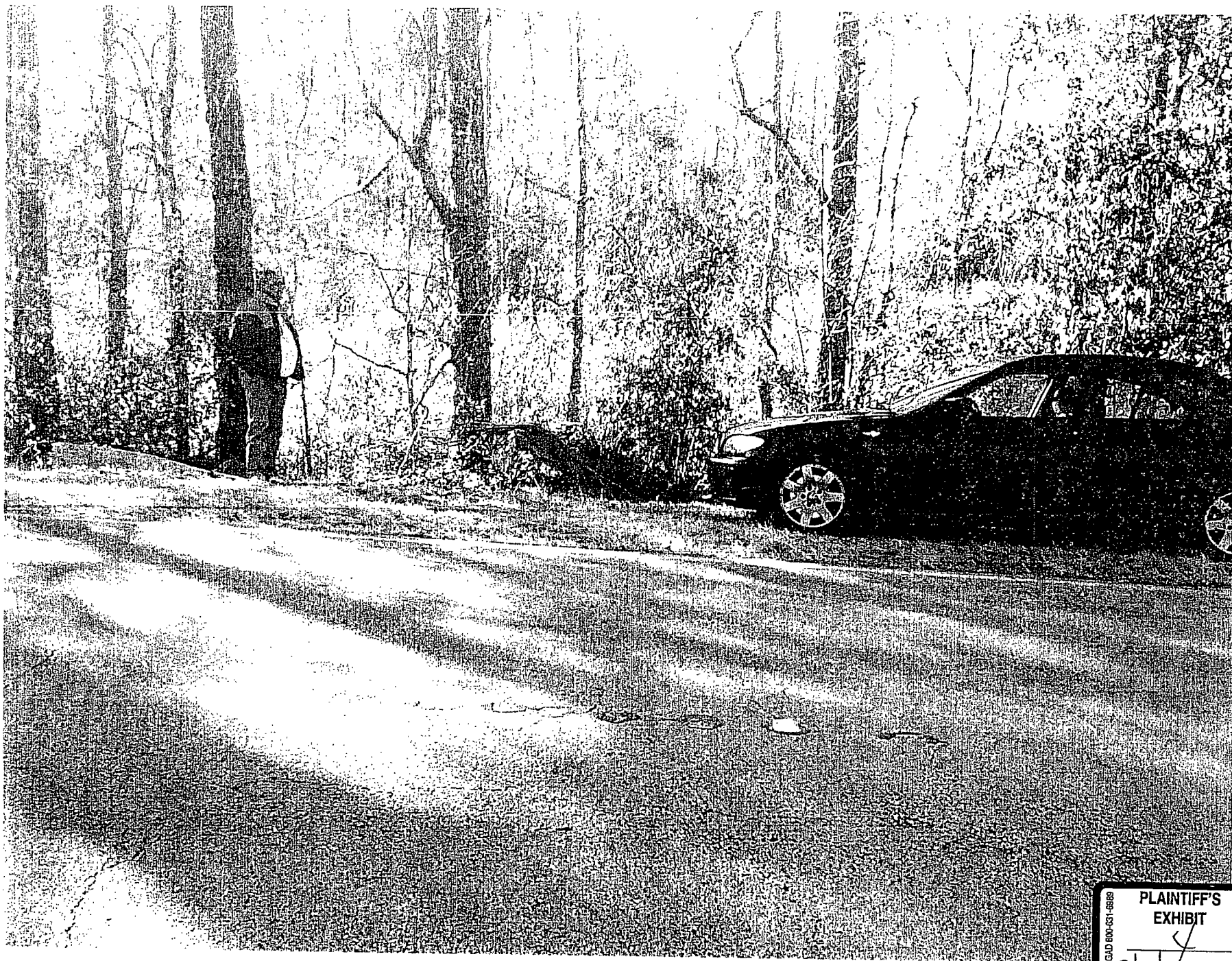




EXHIBIT
3



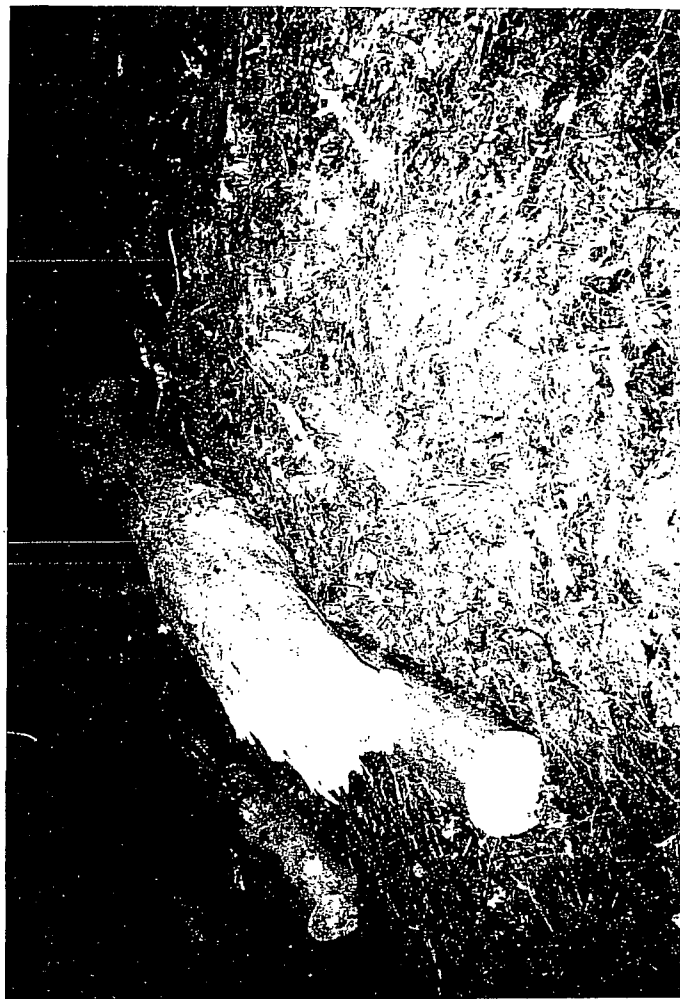
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EXHIBIT
9/3/13



EXHIBIT
5



EXHIBIT
6



South Carolina Department of Transportation
Engineering Directive Memorandum

Number: 8

Primary Department: Maintenance

Referrals: S.C. Code of Law 57-3-110

Subject: Road Inspections

Daytime Inspections

All roads on the state highway system shall be inspected during daylight hours according to the following schedule:

- Interstates – monthly
- Primary Routes – once every six months
- Secondary Routes – once each year

The purpose of these inspections is to detect deficiencies that could pose a hazard to motorists or pedestrians, thus creating a risk for the Department. These inspections should be entered into the Highway Maintenance Management System (HMMS) by using the "Inspections" work activity and the "Roadway/Drainage" work description. Discrepancies should be entered into the work request module using "SCDOT-Inspector" as the type of requestor.

The following are examples of the assets and roadside appurtenances that should be inspected:

- Pavements (includes pavement markings)
- Shoulders (includes sidewalk and other roadside appurtenances)
- Barriers (includes guardrails, attenuators, barrier walls, and cable barrier)
- Signs (look for missing signs)
- Vegetation (includes dead trees or overhanging limbs)
- Drainage (includes structures and ditches)

In accordance with the above, each resident maintenance engineer (RME) will review all noted deficiencies and schedule the necessary work, giving priority to all safety-related items.



BRE102

Nighttime Inspections

Night inspections are primarily designed to ensure that pavement markings and roadway signs are visible, have proper reflectorization, and meet standards set forth in the Manual on Uniform Traffic Control Devices (MUTCD). All roads on the state highway system shall be inspected at night once each calendar year. These inspections should be entered into HMMS by using the "Inspections" work activity and the "Nighttime" work description. Discrepancies should be entered into the work request module in a similar fashion as day inspections.

Inspections should be conducted in accordance with the following guidelines:

- The inspections should be conducted at normal operating speeds.
- The inspections should be conducted using low beam headlights.
- The inspections should be conducted using a 2005 model year or newer full-size pickup.
- Signs should be viewed at the typical viewing distance for that sign.
- Signs need to be replaced if not legible to the inspector.

In accordance with the above, each RME will make a list of signs and markings that need attention and schedule the needed repairs or replacement on a priority basis.

The resident maintenance engineer will certify in writing to the district engineering administrator by January 1 of each year that all system roads within his/her county have been inspected in accordance with this directive. The district engineering administrator shall then notify the director of maintenance no later than January 10, with the deputy secretary for engineering being notified by January 15, that the inspections have been completed.

Approved By: John V. Walsh
John V. Walsh, Deputy Secretary for Engineering

Effective Date: March 3, 2011

BRE103

28.8 TREE REMOVAL

28.8.1 Planning and Implementation

[HMMS Activity 408 "Tree Removal"] Performance Guide indicates a distribution of work throughout the year. Review Section 28.6 and the Performance Guide for necessary resources and accomplishment expectations for this activity.

(Chapter 6 "Environmental") (Chapter 22 "Maintenance Management") (Appendix IV "Maintenance Forms") [SCDOT Maintenance Assessment Program Manual]

28.8.2 Maintenance Operations

28.8.2.1 Removing Significant Trees

Removal of trees may be a sensitive issue. Refer to [EDM-29 "Vegetation Management on State Highways"] for assistance in determining tree significance and contact the DME for additional guidance.

28.8.2.2 Other Tree Removal Guidelines

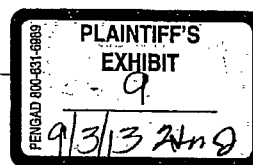
Other tree removal guidelines are as follows:

- Remove fallen trees from right-of-way.
- Remove dead or diseased trees located on or off the right-of-way that may fall onto the traveled way or shoulder.
- Before removing a tree located off the right-of-way, secure a release from the property owner giving SCDOT permission to enter the property for the purpose of removing the tree.
- It is desirable to remove trees with trunks that encroach into clear zones.
- Do not allow trees to grow in ditches.
- Clear bridge sites of non-ornamental trees for the entire length of the bridge opening, to the right-of-way line or to 50 feet from the edge of the bridge, whichever is less.

28.8.2.3 Trimming Limbs

Use limb-trimming equipment that produces a clean, neat cut. Rotary mowers are not to be used for limb trimming.

December 2009



28.8-1

Perform limb trimming to maintain vertical clearances of 18 feet above both the paved surface of the road and the shoulders to the right-of-way or tree line, whichever is closer. Perform trimming to maintain up to a 10-foot clearance beyond the shoulder to provide for the safe operation of equipment beneath the limbs, for mowing, ditch maintenance, etc.

[HMMS Activity 405 "Brush/Limb Management"] [HMMS Activity 408 "Tree Removal"]

28.8.3 Removal of Trees Near Power Lines

Do not use in-house crews to remove trees near power lines. Contract this work to a professional tree removal service.

South Carolina Department of Transportation
Engineering Directive Memorandum

Number: 29

Primary Department: Maintenance

Referrals: Commission Action Dated November 30, 1999

Subject: Vegetation Management on State Highways

All activities associated with the management of vegetation on highway rights-of-way will be performed in accordance with the Department's manual entitled "SCDOT Vegetation Management Guidelines," which are developed by the Director of Maintenance and approved by the State Highway Engineer. This manual establishes limits for roadside vegetation management activities performed by SCDOT and by non-SCDOT entities. These guidelines are updated as necessary to comply with current laws that affect vegetation management on state highway rights-of-way.

The resident maintenance engineer shall ensure that the SCDOT vegetation management guidelines are reviewed routinely with all employees involved with vegetation management operations (including those inspecting work performed under contract or work performed by non-SCDOT entities). Records documenting this training shall be kept in each maintenance office and are subject to review by the maintenance quality management team.

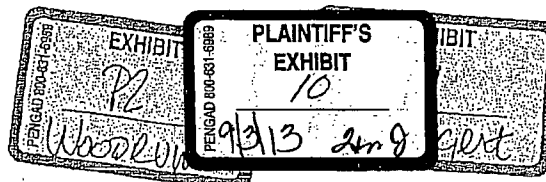
It is the intent of SCDOT to manage the vegetation within its rights-of-way in the most efficient means possible without sacrificing the safety of employees or the traveling public. Under no circumstances will interstate mowing limits exceed 30 feet from the edge of pavement without written approval from the State Highway Engineer. Whenever possible, roadside vegetation management will be conducted to meet the wants and desires of the local community, as long as this does not violate current law, pose an undue economic hardship on the Department, or detrimentally affect safety.

Submitted by: *James J. Fisher*
Director of Maintenance

Recommended by: *[Signature]*
Deputy State Highway Engineer

Approved: *[Signature]*
State Highway Engineer

Effective Date: 12/5/06



BRE 6

2.5 TREE MAINTENANCE

2.5.1 Purpose

Trees along roadways are to be maintained in a safe manner for the protection of the traveling public.

2.5.2 Guidelines

2.5.2.1 General

(Generally performed January 1 – December 31). Tree maintenance should be performed so as to preserve roadway features. However, special procedures must be followed prior to the commencement of any right-of-way operations that would include the removal of significant trees. Significant trees are considered to be mature hardwoods or flowering trees such as dogwoods or other ornamentals. Significant hardwoods are generally considered to be those with a caliper of twenty-four (24) inches or greater, but trees of smaller caliper around residences may be considered significant and should be treated accordingly. Every reasonable alternative should be considered prior to removing a significant tree. When an alternative is not available, the Resident Maintenance Engineer will make personal contact with the adjacent property owner whenever possible prior to the removal of any such tree from the right-of-way. Personal contact is understood to mean contact in person or by telephone. The property owner should always be informed as to the reasons for removing these trees.

Where possible, bridge sites should be maintained free of non-ornamental trees for the entire length of the bridge opening from right-of-way to right-of-way, or a fifty-foot limit where the right-of-way is greater than fifty feet from the outside edge of the bridge.

Tree trunks should not be allowed to encroach into clear zones.

Trees should not be allowed to grow in ditches.

Dead or diseased trees located on or off the right-of-way, which may fall onto the travel surface of the roadway, should be removed.

2.5.2.2 Limb Trimming

(Generally performed January 1 – December 31). The Engineer shall review all limb trimming locations for environmental concerns prior to work being performed. Limb trimming will be performed to maintain vertical clearance of eighteen (18) feet from the paved surface of the roadway or ground elevation of the shoulder or slope continuously to the tree line or right-of-way, whichever comes first as shown in Typical X. Trimming may also be performed to lesser heights beyond the shoulders to allow for the safe operation of equipment beneath the limbs for mowing, ditch maintenance, etc., up to ten (10) feet. Trimming will be performed to provide for clear sight distances. *Refer to the Typical Drawing IV for exceptions to trimming limits for Information and Guide Signs (Section 2.1.2.3.5).*

The equipment used for limb trimming shall leave a clean, neat cut. No rotary mower shall be used for limb trimming.

SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
HIGHWAY MAINTENANCE MANAGEMENT SYSTEM

Daily Work Report Selection

District 7	Org. County 38	Organization Unit	Work County	From Date WEDNESDAY - NOV 11, 2009	To Date WEDNESDAY - FEB 10, 2010
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555
BR

Activity 908-INSPECTIONS	Work Description	Asset Group	Asset
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Type US	Route 321	Aux	Begin MP	End MP	Off System Descr.	Special Event	Accident
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Report No.	Date	Activity	Work County	Type	Route	Aux	Beg MP	End MP	Accomp. Qty	Off System Descr.
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Organization Unit: 73802 - ORANGEBURG -ARME

6199094 S	12/17/2009	908	ORANGEBURG	US	321	00	0.00	9.44	18.88	
6199237 S	12/17/2009	908	ORANGEBURG	US	321	00	0.00	4.38	8.76	

Organization Unit: 73811 - ORANGEBURG -SPRINGFIELD SHED

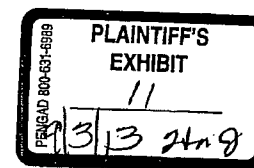
6205661 S	12/17/2009	908	ORANGEBURG	US	321	00	2.36	9.34	6.97	
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Organization Unit: 73812 - ORANGEBURG -BRANCHVILLE SHED

6219501 S	01/04/2010	908	ORANGEBURG	US	321	00	0.00	2.36	2.35	
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10-FEB-12 10:31:13

1 of 1



SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
HIGHWAY MAINTENANCE MANAGEMENT SYSTEM
Daily Work Report

Organization Unit 73802 ORANGEBURG -ARME	District SEVEN	Date THURSDAY - DEC 17, 2009	Report No. 6198900
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Activity 908 INSPECTIONS	Work Description NIGHT TIME	Work County	Asset Group
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Asset	Special Event	Project Number 438
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Type	Route	Aux	Begin MP	End MP	Length	Direction	Position	Off System Description
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Units of Accomplishment: 118.300 UOM: PERSON HOURS Accident: N

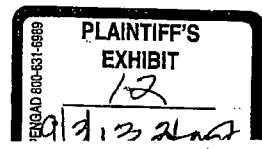
Daily Cost:	Labor 165.	Equipment 0.	Material 0.	Total 165.
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Type	Route	Aux	Begin MP	End MP	Length	Direction	Position	Off System Description
Report No.	Labor Cost		Equipment Cost		Material Cost		Total Cost	Accomplishment
Work County	Beat		Asset		Work Request Number			
						Requested Date		

3	20 00	.00	.31	.31	BOTH	ROADWAY		
	6199027	1.		0.		0.	1.	.620
ORANGEBURG								
3	1016 00	.00	.71	.71	BOTH	ROADWAY		
	6199034	2.		0.		0.	2.	1.420
ORANGEBURG								
3	1548 00	.00	.45	.45	BOTH	ROADWAY		
	6199038	1.		0.		0.	1.	.900
ORANGEBURG								
3	1547 00	.00	.42	.42	BOTH	ROADWAY		
	6199050	1.		0.		0.	1.	.840
ORANGEBURG								
JS	321 00	.00	9.44	9.44	BOTH	ROADWAY		
	6199094	26.		0.		0.	26.	18.880
ORANGEBURG								
3C	332 00	9.05	14.97	5.92	BOTH	ROADWAY		
	6199153	17.		0.		0.	17.	11.840
ORANGEBURG								

10-FEB-12 10:32:08

BRE 548



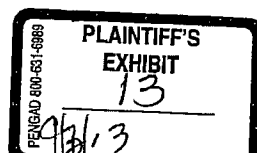
SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
HIGHWAY MAINTENANCE MANAGEMENT SYSTEM

Daily Work Report

73811	Organization Unit ORANGEBURG -SPRINGFIELD S	District SEVEN	Date THURSDAY - OCT 02, 2008	Report No. 5060655				
	Activity 908 INSPECTIONS	Work Description ROADWAY/DRAINAGE	Work County	Asset Group				
	Asset	Special Event	Project Number 438					
Type	Route	Aux	Begin MP	End MP	Length	Direction	Position	Off System Description
Units of Accomplishment:		26.111	UOM: PERSON HOURS		Accident: N			
Daily Cost:	Labor 111.	Equipment 24.	Material 0.	Total 135.				
Type	Route	Aux	Begin MP	End MP	Length	Direction	Position	Off System Description
Report No.	Labor Cost	Equipment Cost	Material Cost	Total Cost	Accomplishment			
Work County	Beat	Asset		Work Request Number Requested Date				
SC	332 00	5.54	7.77	2.23				
5060674		9.		2.	0.		11.	2.219
ORANGEBURG								
SC	332 00	8.05	9.33	1.28				
5060675		5.		1.	0.		6.	1.279
ORANGEBURG								
SC	400 00	.00	1.80	1.80				
5060676		8.		2.	0.		10.	1.802
ORANGEBURG								
US	321 00	2.36	9.34	6.98				
5060677		30.		6.	0.		36.	6.971
ORANGEBURG								
S	191 00	.00	.88	.88				
5060678		4.		1.	0.		5.	.888
ORANGEBURG								
SC	4 00	13.17	16.07	2.90				
5060679		12.		3.	0.		15.	2.898
ORANGEBURG								

14-FEB-13 16:02:25

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BRE423

SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
HIGHWAY MAINTENANCE MANAGEMENT SYSTEM

Daily Work Report

Organization Unit District Date Report No.
73811 ORANGEBURG -SPRINGFIELD S SEVEN WEDNESDAY - NOV 26, 2008 5198957

Activity Work Description Work County Asset Group
908 INSPECTIONS ROADWAY/DRAINAGE

Asset Special Event Project Number
438

Type Route Aux Begin MP End MP Length Direction Position Off System Description

Units of Accomplishment: 26.111 UOM:PERSON HOURS Accident:N

Daily Cost: Labor 111. Equipment 24. Material 0. Total 135.

Type	Route	Aux	Begin MP	End MP	Length	Direction	Position	Off System Description
Report No.	Labor Cost	Equipment Cost	Material Cost	Total Cost	Accomplishment			
Work County	Beat	Asset		Work Request Number		Requested Date		

SC	332	00	5.54	7.77	2.23			
5198974			9.		2.	0.	11.	2.219
ORANGEBURG								

SC	332	00	8.05	9.33	1.28			
5198975			5.		1.	0.	6.	1.279
ORANGEBURG								

SC	400	00	.00	1.80	1.80			
5198976			8.		2.	0.	10.	1.802
ORANGEBURG								

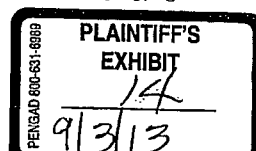
US	321	00	2.36	9.34	6.98			
5198977			30.		6.	0.	36.	6.971
ORANGEBURG								

S	191	00	.00	.88	.88			
5198978			4.		1.	0.	5.	.888
ORANGEBURG								

SC	4	00	13.17	16.07	2.90			
5198979			12.		3.	0.	15.	2.898
ORANGEBURG								

14-FEB-13 16:02:46

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BRE426

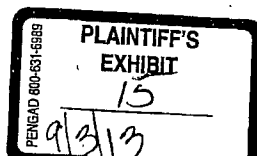
SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
HIGHWAY MAINTENANCE MANAGEMENT SYSTEM

Daily Work Report

Organization Unit	District	Date	Report No.
73811 ORANGEBURG -SPRINGFIELD S	SEVEN	FRIDAY - FEB 06, 2009	5361151
Activity	Work Description	Work County	Asset Group
908 INSPECTIONS	ROADWAY/DRAINAGE		
Asset	Special Event	Project Number	
		438	
Type Route Aux Begin MP End MP Length Direction Position	Off System Description		
Units of Accomplishment: 26.111 UOM:PERSON HOURS Accident:N			
Daily Cost:	Labor 111.	Equipment 24.	Material 0.
			Total 135.
Type Route Aux Begin MP End MP Length Direction Position	Off System Description		
Report No. Labor Cost Equipment Cost Material Cost Total Cost Accomplishment			
Work County Beat Asset			
	Work Request Number	Requested Date	
SC 332 00 5.54 7.77 2.23			
5361163 9. 2.	0.	11.	2.219
ORANGEBURG			
SC 332 00 8.05 9.33 1.28			
5361164 5. 1.	0.	6.	1.279
ORANGEBURG			
SC 400 00 .00 1.80 1.80			
5361165 8. 2.	0.	10.	1.802
ORANGEBURG			
US 321 00 2.36 9.34 6.98			
5361166 30. 6.	0.	36.	6.971
ORANGEBURG			
S 191 00 .00 .88 .88			
5361167 4. 1.	0.	5.	.888
ORANGEBURG			
SC 4 00 13.17 16.07 2.90			
5361168 12. 3.	0.	15.	2.898
ORANGEBURG			

14-FEB-13 16:02:59

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BRE429

SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
HIGHWAY MAINTENANCE MANAGEMENT SYSTEM

Daily Work Report

Organization Unit : ORANGEBURG -SPRINGFIELD S District : SEVEN Date : THURSDAY - APR 16, 2009 Report No. : 5525845

Activity : 908 INSPECTIONS Work Description : ROADWAY/DRAINAGE Work County : Asset Group :

Asset : Special Event : Project Number : 438

Type Route Aux Begin MP End MP Length Direction Position Off System Description

Units of Accomplishment: 26.111 UOM: PERSON HOURS Accident: N

Daily Cost: Labor 111. Equipment 24. Material 0. Total 135.

Type Route Aux Begin MP End MP Length Direction Position Off System Description

Report No. Labor Cost Equipment Cost Material Cost Total Cost Accomplishment

Work County Beat Asset Work Request Number Requested Date

SC 332 00 5.54 7.77 2.23
5525859 9. 2. 0. 11. 2.219
ORANGEBURG

SC 332 00 8.05 9.33 1.28
5525860 5. 1. 0. 6. 1.279
ORANGEBURG

SC 400 00 .00 1.80 1.80
5525861 8. 2. 0. 10. 1.802
ORANGEBURG

US 321 00 2.36 9.34 6.98
5525862 30. 6. 0. 36. 6.971
ORANGEBURG

S 191 00 .00 .88 .88
5525863 4. 1. 0. 5. .888
ORANGEBURG

SC 4 00 13.17 16.07 2.90
5525864 12. 3. 0. 15. 2.898
ORANGEBURG

14-FEB-13 16:03:13

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BRE432

SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
HIGHWAY MAINTENANCE MANAGEMENT SYSTEM

Daily Work Report

Organization Unit: 73811 ORANGEBURG -SPRINGFIELD S District: SEVEN Date: THURSDAY - JUN 25, 2009 Report No.: 5707098

Activity: 908 INSPECTIONS Work Description: ROADWAY/DRAINAGE Work County: Asset Group:

Asset: Special Event: Project Number: 438

Type Route Aux Begin MP End MP Length Direction Position Off System Description

Units of Accomplishment: 26.111 UOM: PERSON HOURS Accident: N

Daily Cost: Labor 114. Equipment 24. Material 0. Total 138.

Type	Route	Aux	Begin MP	End MP	Length	Direction	Position	Off System Description
Report No.	Labor Cost	Equipment Cost	Material Cost	Total Cost	Accomplishment			
Work County	Beat	Asset						
				Work Request Number	Requested Date			

SC	332	00	5.54	7.77	2.23			
5707113			10.		2.	0.	12.	2.219
ORANGEBURG								

SC	332	00	8.05	9.33	1.28			
5707114			6.		1.	0.	7.	1.279
ORANGEBURG								

SC	400	00	.00	1.80	1.80			
5707115			8.		2.	0.	10.	1.802
ORANGEBURG								

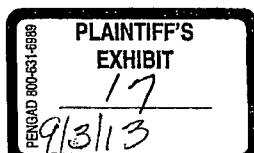
US	321	00	2.36	9.34	6.98			
5707116			30.		6.	0.	36.	6.971
ORANGEBURG								

S	191	00	.00	.88	.88			
5707117			4.		1.	0.	5.	.888
ORANGEBURG								

SC	4	00	13.17	16.07	2.90			
5707118			13.		3.	0.	16.	2.898
ORANGEBURG								

14-FEB-13 16:03:24

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BRE435

Daily Work Report

Activity	Work Description	Work County	Asset Group
908 INSPECTIONS	ROADWAY/DRAINAGE		

[illegible]

	Labor	Equipment	Material	Total
Daily Cost:	114.	31.	0.	145.

				Work Request Number	Requested Date
S	162 00	5.82	6.99	1.17	
	5963913	2.		1.	0.
ORANGERIDGE					3.
					1.175

SC	332 00	8.05	9.33	1.28				
	5963915	2.		1.		0.		
ORANGEBURG							3.	1.279

SC	400 00	.00	1.80	1.80				
	5963916	3.		1.	0.		4.	1.802
ORANGEBURG								

US	321 00	2.36	9.34	6.98			
	5963917	13.	-	4.	0.	17.	6.971
ORANGEBURG							

S	191 00	.00	.88	.88				
	5963918	2.		0.	0.		2.	.888
ORANGEBURG								

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SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
HIGHWAY MAINTENANCE MANAGEMENT SYSTEM
Daily Work Report

Organization Unit: 73811 ORANGEBURG -SPRINGFIELD S District: SEVEN Date: THURSDAY - DEC 17, 2009 Report No.: 6205643

Activity: 908 INSPECTIONS Work Description: ROADWAY/DRAINAGE Work County: Asset Group:

Asset: Special Event: Project Number: 438

Type Route Aux Begin MP End MP Length Direction Position Off System Description

Units of Accomplishment: 26.111 UOM: PERSON HOURS Accident: N

Daily Cost: Labor: 114. Equipment: 31. Material: 0. Total: 145.

Number Description Org/UOM Quantity Hours Unit Cost DWR Cost

Labor
10057180 MURDEN ARTHUR J JR 73811 4.0 114.

Equipment
010-03-0236 TRK, 1 TON UTILITY CREW C 73811 4.0 7.76 31.

Material

DWR Comment:

Type	Route	Aux	Begin MP	End MP	Length	Direction	Position	Off System Description
Report No.	Labor Cost	Equipment Cost	Material Cost	Total Cost	Accomplishment			
Work County	Beat	Asset	Work Request Number		Requested Date			

SC	332 00	8.05	9.33	1.28				
6205659	6.	2.	0.	8.	1.279			
ORANGEBURG								

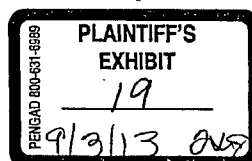
SC	400 00	.00	1.80	1.80				
6205660	8.	2.	0.	10.	1.802			
ORANGEBURG								

US	321 00	2.36	9.34	6.98				
6205661	30.	8.	0.	38.	6.971			
ORANGEBURG								

S	191 00	.00	.88	.88				
6205662	4.	1.	0.	5.	.888			
ORANGEBURG								

14-FEB-13 16:03:45

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BRE442

SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
HIGHWAY MAINTENANCE MANAGEMENT SYSTEM

Daily Work Report

Organization Unit	District	Date	Report No.
73811 ORANGEBURG -SPRINGFIELD S	SEVEN	TUESDAY - DEC 29, 2009	6215441

Activity	Work Description	Work County	Asset Group
203 SHOULDERS/DITCHES	REGRADE SHOULDER & D	ORANGEBURG	

Asset	Special Event	Project Number
		438

Type	Route	Aux	Begin MP	End MP	Length	Direction	Position	Off System	Description
US	321	00	6.47	7.41	.94	N	RIGHTWY		

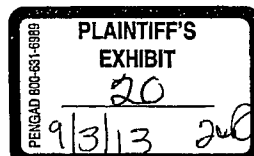
Units of Accomplishment: 75.000 UOM:LINEAR FEET Accident:N

Daily Cost:	Labor	Equipment	Material	Total
	0.	0.	0.	0.

Number	Description	Org/UOM	Quantity	Hours	Unit Cost	DWR Cost
Labor						
Equipment						
Material						
DWR Comment:						

14-FEB-13 15:43:36

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BRE339

SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
HIGHWAY MAINTENANCE MANAGEMENT SYSTEM

Daily Work Report

Organization Unit ORANGEBURG -SPRINGFIELD S District SEVEN Date WEDNESDAY - DEC 30, 2009 Report No. 6215480

Activity 203 SHOULDERS/DITCHES Work Description REGRADE SHOULDER & D Work County ORANGEBURG Asset Group

Asset Special Event Project Number 438

Type	Route	Aux	Begin MP	End MP	Length	Direction	Position	Off System Description
US	321	00	6.47	7.41	.94	N	RIGHTWY	

Units of Accomplishment: 75.000 UOM: LINEAR FEET Accident: N

Daily Cost:	Labor <u>179.</u>	Equipment <u>92.</u>	Material <u>0.</u>	Total <u>271.</u>
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Number	Description	Org/UOM	Quantity	Hours	Unit Cost	DWR Cost
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Labor

66890	JACKSON BOBBY R	73811		2.0		34.
10052893	WILLIAMS CHESTER	73811		2.0		36.
10052997	ROBINSON LEROY	73811		2.0		41.
10052999	BRUNSON RANDY A	73811		2.0		34.
10056253	ROBINSON DANTEL R	73811		2.0		34.

Equipment

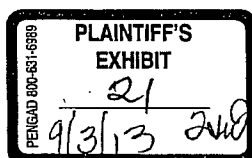
010-03-0236	TRK, 1 TON UTILITY CREW C	73811		2.0	7.76	16.
013-03-0837	TRK, 13-16 TN 2P BCKT DMP	73811		2.0	8.48	17.
013-03-0870	TRK, 13-16 TN 2P BCKT DMP	73811		2.0	8.48	17.
013-03-0874	TRK, 13-16 TN 2P BCKT DMP	73811		2.0	8.48	17.
021-18-0032	TRAILER, EQUIPMENT, W/RAM	73811		2.0	2.32	5.
237-04-0256	BACKHOE/LOADER, 4WD	73811		2.0	10.58	21.

Material

DWR Comment:

14-FEB-13 15:43:47

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BRE340

SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
HIGHWAY MAINTENANCE MANAGEMENT SYSTEM

Work Request Report

Work Request No. 458861 Date: 29-DEC-09 Time: 12:56 PM

Requested Work: DRIVEWAY PIPE CLOGGED UP

Activity: 203 SHOULDERS/DITCH Work Descr: REGRADE ROADS Priority: 60 DAYS

Directions: CLEAN DITCH AND PIPE AT ADD. 7251

<u>District</u>	<u>Work County</u>	<u>Cong. Dist.</u>	<u>Road Name</u>
7	ORANGEBURG	6	SAVANNAH HWY

<u>Type</u>	<u>Route</u>	<u>Aux</u>	<u>Begin MP</u>	<u>End MP</u>	<u>Dir.</u>	<u>Position</u>	<u>Off. System Description</u>
US	321	00	7.00	7.00	N	RIGHTWY	

Reported By: KIM BOOZER

Address: 7271 SAVANNAH HWY. AT ADD. 7251

City: NEESES

State: SC

Zip: 29107-0000

Home Phone: (803) 263-4560

Work Phone: (803) 664-0717

Assessment: CLEAN DITCH AND PIPE

Assessed by Meets Objective Recommend for Approval SCDOT Approval

IH

Date Certified:

PE#

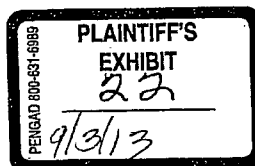
PE Name:

Responsible Org: 73811-ORANGEBURG -SPRINGF Closed:

Completed: 11-JAN-10

14-FEB-13 10:31:49

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BRE178

SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
HIGHWAY MAINTENANCE MANAGEMENT SYSTEM

Daily Work Report

73811	Organization Unit ORANGEBURG -SPRINGFIELD S	District SEVEN	Date MONDAY - AUG 31, 2009	Report No. 5881873
	Activity 405 LIMB MANAGEMENT	Work Description ORANGEBURG	Work County ORANGEBURG	Asset Group
	Asset	Special Event	Project Number 438	

Type	Route	Aux	Begin MP	End MP	Length	Direction	Position	Off System Description
US	321	00	4.38	9.34	4.96	BOTH	RIGHTWY	

Units of Accomplishment: 9.920 UOM: SHOULDER MILES Accident: N

Daily Cost:	Labor	Equipment	Material	Total
	270.	127.	0.	397.

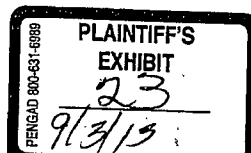
Number	Description	Org/UOM	Quantity	Hours	Unit Cost	DWR Cost
Labor						
52563	PORTER NATHANIEL	73811		2.0		50.
10052997	ROBINSON LEROY	73811		8.0		163.
10057180	MURDEN ARTHUR J JR	73811		2.0		57.
Equipment						
010-03-0236	TRK, 1 TON UTILITY CREW C	73811		2.0	7.76	16.
138-01-0285	MOWER, BOOM TRACTOR MOUNT	73811		8.0	5.91	47.
201-11-0205	TRACTOR, SLOPE MOWER 86-1	73811		8.0	8.00	64.

Material

DWR Comment:

14-FEB-13 15:42:55

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BRE335

SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
HIGHWAY MAINTENANCE MANAGEMENT SYSTEM

Daily Work Report

Organization Unit District Date Report No.
73811 ORANGEBURG -SPRINGFIELD S SEVEN THURSDAY - MAR 05, 2009 5428951

Activity Work Description Work County Asset Group
203 SHOULDERS/DITCHES REGRADE ROADSIDE DIT

Asset Special Event Project Number
438

Type Route Aux Begin MP End MP Length Direction Position Off System Description

Units of Accomplishment: 500.000 UOM: LINEAR FEET Accident: N

Daily Cost: Labor Equipment Material Total
1,056. 292. 0. 1,348.

Number Description Org/UOM Quantity Hours Unit Cost DWR Cost

Labor

52563	PORTER NATHANIEL	73811		8.0		198.
54282	EDWARDS ANTHONY D	73811		8.0		179.
10052893	WILLIAMS CHESTER	73811		8.0		142.
10052997	ROBINSON LEROY	73811		8.0		160.
10052999	BRUNSON RANDY A	73811		8.0		133.
10056253	ROBINSON DANTEL R	73811		8.0		133.
10057180	MURDEN ARTHUR J JR	73811		4.0		111.

Equipment

010-03-0236	TRK, 1 TON UTILITY CREW C	73811		4.0	5.94	24.
013-03-0837	TRK, 13-16 TN 2P BCKT ST	73811		8.0	6.96	56.
013-03-0874	TRK, 13-16 TN 2P BCKT ST	73811		8.0	6.96	56.
013-07-0107	TRK, 13-16 TN 3P BNCH ST	73850		8.0	7.21	58.
021-18-0032	TRAILER, EQUIPMENT, W/RAM	73811		8.0	1.84	15.
237-04-0256	BACKHOE/LOADER, 4WD	73811		8.0	10.58	85.

Material

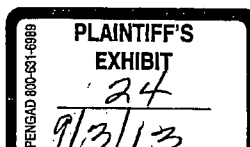
DWR Comment:

Type	Route	Aux	Begin MP	End MP	Length	Direction	Position	Off System Description
Report No.	Labor Cost	Equipment Cost	Material Cost	Total Cost	Accomplishment			
Work County	Beat	Asset						

							Work Request Number	Requested Date
SC	4 00	1.93	2.00	.07	E	RIGHTWY		
	5428956	845.		234.		0.	1,079.	400.000
ORANGEBURG								
US	321 00	7.45	7.47	.02	S	RIGHTWY		
	5428953	211.		58.		0.	269.	100.000
ORANGEBURG								

14-FEB-13 15:39:52

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BRE320

SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
HIGHWAY MAINTENANCE MANAGEMENT SYSTEM

Daily Work Report

Organization Unit: 73811 ORANGEBURG - SPRINGFIELD S District: SEVEN Date: WEDNESDAY - JUL 08, 2009 Report No.: 5752880

Activity: 401 MOWING Work Description: ROUTINE Work County: Asset Group:

Asset: Special Event: Project Number: 438

Type Route Aux Begin MP End MP Length Direction Position Off System Description

Units of Accomplishment: 32.270 UOM: ACRES Accident: N

Daily Cost: Labor 220. Equipment 161. Material 0. Total 381.

Number	Description	Org/UOM	Quantity	Hours	Unit Cost	DWR Cost
Labor						
10052997	ROBINSON LEROY	73811		8.0		163.
10057180	MURDEN ARTHUR J JR	73811		2.0		57.
Equipment						
010-03-0236	TRK, 1 TON UTILITY CREW C	73811		2.0	7.76	16.
139-09-0227	MOWER, ROTARY 15'	73811		8.0	6.64	53.
201-02-0637	TRACTOR, MOWING 86-105 HP	73811		8.0	11.58	93.

Material

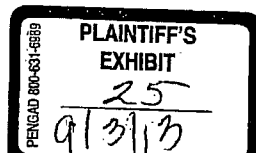
DWR Comment:

Type	Route	Aux	Begin MP	End MP	Length	Direction	Position	Off System Description
Report No.	Labor Cost	Equipment Cost	Material Cost	Total Cost	Accomplishment			
Work County	Beat	Asset						

							Work Request Number	Requested Date
US	321 00	4.01	9.34	5.33	BOTH	RIGHTWY		
	5752885	176.		129.		0.	305.	25.790
ORANGEBURG								
SC	389 00	.00	1.34	1.34	BOTH	RIGHTWY		
	5752886	44.		32.		0.	76.	6.480
ORANGEBURG								

14-FEB-13 15:42:16

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BRE333

SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
HIGHWAY MAINTENANCE MANAGEMENT SYSTEM

Daily Work Report

Organization Unit: 73811 ORANGEBURG -SPRINGFIELD S District: SEVEN Date: FRIDAY - MAR 06, 2009 Report No.: 5429001

Activity: 407 LITTER CONTROL Work Description: LITTER Work County: ORANGEBURG Asset Group:

Asset: Special Event: Project Number: 438

Type	Route	Aux	Begin MP	End MP	Length	Direction	Position	Off System Description
US	321	00	6.00	8.34	2.34	BOTH	RIGHTWY	

Units of Accomplishment: 450.000 UOM: POUNDS Accident: N

Daily Cost:	Labor	Equipment	Material	Total
	633.	113.	0.	746.

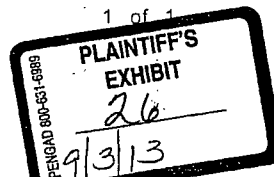
Number	Description	Org/UOM	Quantity	Hours	Unit Cost	DWR Cost
Labor						
52563	PORTER NATHANIEL	73811		8.0		198.
10052893	WILLIAMS CHESTER	73811		8.0		142.
10052997	ROBINSON LEROY	73811		8.0		160.
10056253	ROBINSON DANTEL R	73811		8.0		133.

Equipment						
013-03-0874	TRK, 13-16 TN 2P BCKT ST	73811		8.0	6.96	56.
013-07-0107	TRK, 13-16 TN 3P BNCH ST	73850		8.0	7.21	58.

Material

DWR Comment:

14-FEB-13 15:40:06



BRE321

SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
HIGHWAY MAINTENANCE MANAGEMENT SYSTEM

Daily Work Report

Organization Unit: ORANGEBURG -MOW/WILDFLOWE District: SEVEN Date: TUESDAY - AUG 12, 2008 Report No.: 4933801

Activity: 401 MOWING Work Description: ROUTINE Work County: Asset Group:

Asset: Special Event: Project Number: 438

Type Route Aux Begin MP End MP Length Direction Position Off System Description

Units of Accomplishment: 138.240 UOM:ACRES Accident:N

Daily Cost: Labor 1,342. Equipment 606. Material 0. Total 1,948.

Type Route Aux Begin MP End MP Length Direction Position Off System Description

Report No. Labor Cost Equipment Cost Material Cost Total Cost Accomplishment

Work County Beat Asset Work Request Number Requested Date

US 301 00 11.50 14.24 2.74 BOTH RIGHTWY
4933813 64. 29. 0. 93. 6.630
ORANGEBURG

S 90 00 1.78 2.18 .40 BOTH RIGHTWY
4933823 14. 6. 0. 20. 1.450
ORANGEBURG

SC 4 00 14.78 23.08 8.30 BOTH SHOULDR
4933840 292. 132. 0. 424. 30.050
ORANGEBURG

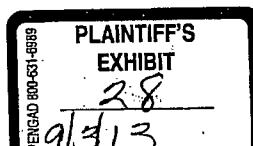
US 321 00 4.38 9.34 4.96 BOTH SHOULDR
4933845 174. 79. 0. 253. 17.950
ORANGEBURG

S 339 00 3.65 5.66 2.01 BOTH SHOULDR
4933913 155. 70. 0. 225. 15.930
ORANGEBURG

S 670 00 .00 .97 .97 BOTH SHOULDR
4933921 34. 15. 0. 49. 3.510
ORANGEBURG

14-FEB-13 12:25:34

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BRE227

SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
HIGHWAY MAINTENANCE MANAGEMENT SYSTEM

Daily Work Report

73811	Organization Unit ORANGEBURG -SPRINGFIELD S	District SEVEN	Date THURSDAY - JAN 10, 2008	Report No. 4422275				
	Activity 405 LIMB MANAGEMENT	Work Description	Work County ORANGEBURG	Asset Group				
	Asset	Special Event	Project Number 438					
Type	Route	Aux	Begin MP	End MP	Length	Direction	Position	Off System Description
US	321	00	4.01	9.34	5.33	BOTH	RIGHTWY	
Units of Accomplishment:		10.660	UOM: SHOULDER MILES		Accident: N			

Daily Cost:	Labor 213.	Equipment 104.	Material 0.	Total 317.
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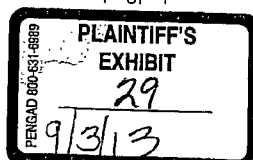
Number	Description	Org/UOM	Quantity	Hours	Unit Cost	DWR Cost
Labor						
10052997	ROBINSON LEROY	73811		8.0		158.
10057180	MURDEN ARTHUR J JR	73811		2.0		55.
Equipment						
010-03-0236	TRUCK 1 TON UTILITY CREW	73811		2.0	5.94	12.
138-01-0285	MOWER, BOOM, TRACTOR MNTD	73811		8.0	5.04	40.
201-11-0205	TRACTOR, SLOPE MOW 86-105	73811		8.0	6.46	52.

Material

DWR Comment:

14-FEB-13 12:46:43

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BRE299

SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
HIGHWAY MAINTENANCE MANAGEMENT SYSTEM

Daily Work Report

Organization Unit	District	Date	Report No.
73811 ORANGEBURG -SPRINGFIELD S	SEVEN	WEDNESDAY - NOV 05, 2008	5144890

Activity	Work Description	Work County	Asset Group
405 LIMB MANAGEMENT			

Asset	Special Event	Project Number
		438

Type	Route	Aux	Begin MP	End MP	Length	Direction	Position	Off System Description
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Units of Accomplishment: .320 UOM: SHOULDER MILES Accident: N

Labor	Equipment	Material	Total
Daily Cost: 275.	155.	0.	430.

Number	Description	Org/UOM	Quantity	Hours	Unit Cost	DWR Cost
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Labor

10052893	WILLIAMS CHESTER	73811		8.0		142.
10056253	ROBINSON DANTEL R	73811		8.0		133.

Equipment

013-03-0837	13-16 TN 2P BCKT ST W/DMP	73811		8.0	6.96	56.
021-18-0032	TRAILER, EQUIPMENT, W/RAM	73811		8.0	1.84	15.
237-04-0256	BACKHOE/LOADER, 4WD	73811		8.0	10.58	85.

Material

DWR Comment: REMOVE TREES FROM SHOULDER

Type	Route	Aux	Begin MP	End MP	Length	Direction	Position	Off System Description
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Report No.	Labor Cost	Equipment Cost	Material Cost	Total Cost	Accomplishment
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Work County

Beat

Asset

Work Request Number

Requested Date

US	321 00	6.81	6.81	.00	N	SHOULDR		
5144892		9.		5.		0.	14.	.010
ORANGEBURG								

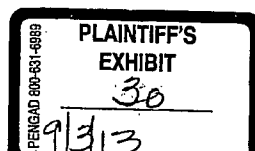
S	339 00	5.00	5.50	.50	S	SHOULDR		
5144893		86.		48.		0.	134.	.100
ORANGEBURG								

S	674 00	4.70	4.70	.00	E	SHOULDR		
5144896		9.		5.		0.	14.	.010
ORANGEBURG								

S	858 00	2.00	2.25	.25	BOTH	SHOULDR		
5144898		172.		97.		0.	269.	.200
ORANGEBURG								

14-FEB-13 12:50:03

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BRE313

SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
HIGHWAY MAINTENANCE MANAGEMENT SYSTEM

Daily Work Report

Organization Unit District Date Report No.
73811 ORANGEBURG -SPRINGFIELD S SEVEN WEDNESDAY - APR 23, 2008 4662995

Activity Work Description Work County Asset Group
407 LITTER CONTROL LITTER

Asset Special Event Project Number
438

Type Route Aux Begin MP End MP Length Direction Position Off System Description

Units of Accomplishment: 950.000 UOM: POUNDS Accident: N

Daily Cost: Labor Equipment Material Total
1,287. 215. 0. 1,502.

Number	Description	Org/UOM	Quantity	Hours	Unit Cost	DWR Cost
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Labor

52563	PORTER NATHANIEL	73811		8.0		196.
54282	EDWARDS ANTHONY D	73811		8.0		178.
66189	ELLIOTT DONNA B	73811		8.0		131.
10052893	WILLIAMS CHESTER	73811		8.0		141.
10052997	ROBINSON LEROY	73811		8.0		158.
10052999	BRUNSON RANDY A	73811		8.0		131.
10056253	ROBINSON DANTEL R	73811		8.0		131.
10057180	MURDEN ARTHUR J JR	73811		8.0		220.

Equipment

010-03-0236	TRUCK 1 TON UTILITY CREW	73811		8.0	5.94	48.
013-03-0837	TRUCK, 5 CY DUMP (2P)	73811		8.0	6.96	56.
013-03-0870	TRUCK, 5 CY DUMP (2P)	73811		8.0	6.96	56.
013-03-0874	TRUCK, 5 CY DUMP (2P)	73811		8.0	6.96	56.

Material

DWR Comment:

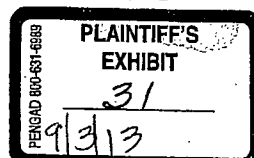
Type	Route	Aux	Begin MP	End MP	Length	Direction	Position	Off System Description
Report No.	Labor Cost	Equipment Cost	Material Cost	Total Cost	Accomplishment			
Work County	Beat	Asset						

							Work Request Number	Requested Date
US	321 00	.00	2.36	2.36	BOTH	RIGHTWY		
4662999	339.		57.		0.		396.	250.000
ORANGEBURG								

US	321 00	7.56	8.34	.78	BOTH	RIGHTWY		
4663000	271.		45.		0.		316.	200.000
ORANGEBURG								

14-FEB-13 12:47:50

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BRE304

SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
HIGHWAY MAINTENANCE MANAGEMENT SYSTEM

Daily Work Report

Organization Unit: ORANGEBURG -SPRINGFIELD S District: SEVEN Date: FRIDAY - JUN 27, 2008 Report No.: 4821068

Activity: 407 LITTER CONTROL Work Description: DEAD ANIMALS Work County: Asset Group:

Asset: Special Event: Project Number: 438

Type Route Aux Begin MP End MP Length Direction Position Off System Description

Units of Accomplishment: 570.000 UOM: POUNDS Accident: N

Daily Cost: Labor: 179. Equipment: 78. Material: 0. Total: 257.

Number	Description	Org/UOM	Quantity	Hours	Unit Cost	DWR Cost
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Labor

52563	PORTER NATHANIEL	73811		4.0		99.
10052997	ROBINSON LEROY	73811		4.0		80.

Equipment

013-03-0837	TRUCK, 5 CY DUMP (2P)	73811		4.0	6.96	28.
021-18-0032	TRAILER, EQUIPMENT, RAMP	73811		4.0	1.84	7.
237-04-0256	BACKHOE/LOADER, 4WD LARGE	73811		4.0	10.58	42.

Material

DWR Comment:

Type	Route	Aux	Begin MP	End MP	Length	Direction	Position	Off System Description
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Report No.	Labor Cost	Equipment Cost	Material Cost	Total Cost	Accomplishment
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Work County	Beat	Asset
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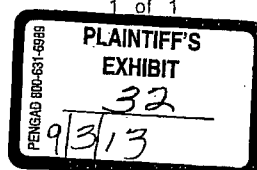
Work Request Number	Requested Date
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SC	70 00	1.20	1.20	.00	E	SHOULDR		
	4821072	94.		41.		0.	135.	300.000
ORANGEBURG								

SC	4 00	13.05	13.05	.00	W	SHOULDR		
	4821073	44.		19.		0.	63.	140.000
ORANGEBURG								

US	321 00	7.75	7.75	.00	S	SHOULDR		
	4821078	41.		18.		0.	59.	130.000
ORANGEBURG								

14-FEB-13 12:48:20



BRE307

**SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
HIGHWAY MAINTENANCE MANAGEMENT SYSTEM**

Daily Work Report

Organization Unit: ORANGEBURG -MOW/WILDFLOWE District: SEVEN Date: THURSDAY - JUN 26, 2008 Report No.: 4825072

Activity: 401 MOWING Work Description: ROUTINE Work County: Asset Group:

Asset: Special Event: Project Number: 438

Type Route Aux Begin MP End MP Length Direction Position Off System Description

Units of Accomplishment: 209.790 UOM: ACRES Accident: N

Daily Cost: Labor 1,053. Equipment 449. Material 0. Total 1,502.

Number	Description	Org/UOM	Quantity	Hours	Unit Cost	DWR Cost
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Labor

61595	CROOK THOMAS G	73818		8.0		152.
65841	CARY BRANDON R	73818		8.0		133.
66190	KEITT JOCOLBY L	73818		8.0		133.
66191	PROCTOR JEWELL M	73818		8.0		133.
10057066	BOWMAN DAVID JR	73818		8.0		174.
10057179	SMOAK ROBERT E JR	73818		8.0		328.

Equipment

010-03-0263	TRUCK, 1 T PLTFM (CREW)	73818		8.0	6.27	50.
139-09-0166	MOWER, ROTARY, 10'	73818		8.0	2.39	19.
139-09-0168	MOWER, ROTARY, 10'	73818		8.0	2.39	19.
139-09-0180	MOWER, ROTARY, 15'	73818		8.0	3.73	30.
139-09-0181	MOWER, ROTARY, 15'	73818		8.0	3.73	30.
139-09-0182	MOWER, ROTARY, 15'	73818		8.0	3.73	30.
201-02-0639	TRACTOR MOWING	73818		8.0	6.94	56.
201-11-0179	TRACTOR MOWING	73818		8.0	6.94	56.
201-11-0214	TRACTOR, COMBO 66-85 HP	73818		8.0	5.99	48.
201-11-0256	TRACTOR MOWING	73818		8.0	6.94	56.
201-11-0294	TRACTOR, BROOM 86-105 HP	73818		8.0	7.10	57.

Material

DWR Comment:

Type	Route	Aux	Begin MP	End MP	Length	Direction	Position	Off System Description
Report No.	Labor Cost	Equipment Cost	Material Cost	Total Cost	Accomplishment			
Work County	Beat	Asset						

Work Request Number Requested Date

S	73 00	7.82	10.83	3.01	BOTH	SHOULDR		
4825076		37.		16.		0.	53.	7.280
ORANGEBURG								

14-FEB-13 12:25:18

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BRE222

SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
HIGHWAY MAINTENANCE MANAGEMENT SYSTEM

Daily Work Report

73811	Organization Unit ORANGEBURG -SPRINGFIELD S	District SEVEN	Date FRIDAY - MAY 11, 2007	Report No. 3875571
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407 LITTER CONTROL	Activity	Work Description LITTER	Work County ORANGEBURG	Asset Group
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Asset	Special Event	Project Number 438
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Type	Route	Aux	Begin MP	End MP	Length	Direction	Position	Off System Description
US	321	00	7.34	9.34	2.00	BOTH	RIGHTWY	

Units of Accomplishment: 300.000 UOM: POUNDS Accident: N

Daily Cost:	Labor 441.	Equipment 103.	Material 0.	Total 544.
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Number	Description	Org/UOM	Quantity	Hours	Unit Cost	DWR Cost
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Labor

10052893	WILLIAMS CHESTER	73811		8.0		131.
10056253	ROBINSON DANTEL R	73811		8.0		106.
10057180	MURDEN ARTHUR J JR	73811		8.0		204.

Equipment

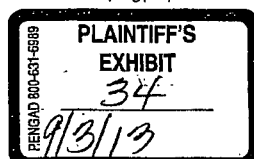
010-03-0236	TRUCK 1 TON UTILITY CREW	73811		8.0	5.94	48.
013-03-0870	TRUCK, 5 CY DUMP (2P)	73811		8.0	6.96	56.

Material

DWR Comment:

14-FEB-13 12:44:23

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BRE288

SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
HIGHWAY MAINTENANCE MANAGEMENT SYSTEM

Daily Work Report

Organization Unit: ORANGEBURG -SPRINGFIELD S District: SEVEN Date: MONDAY - MAY 14, 2007 Report No.: 3875703

Activity: 401 MOWING Work Description: ROUTINE Work County: Asset Group:

Asset: Special Event: Project Number: 438

Type Route Aux Begin MP End MP Length Direction Position Off System Description

Units of Accomplishment: 47.560 UOM:ACRES Accident:N

Daily Cost: Labor 147. Equipment 85. Material 0. Total 232.

Number	Description	Org/UOM	Quantity	Hours	Unit Cost	DWR Cost
Labor						
10052997	ROBINSON LEROY	73811		8.0		147.
Equipment						
139-09-0183	MOWER, ROTARY, 15'	73818		8.0	3.73	30.
201-02-0637	TRACTOR MOWING	73811		8.0	6.94	56.

Material

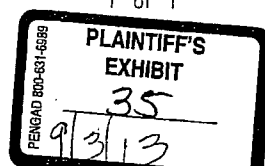
DWR Comment:

Type	Route	Aux	Begin MP	End MP	Length	Direction	Position	Off System Description
Report No.	Labor Cost	Equipment Cost	Material Cost	Total Cost	Accomplishment			
Work County	Beat	Asset						

							Work Request Number	Requested Date
US	321 00	4.01	9.34	5.33	BOTH	SHOULDR		
	3875723	60.		35.		0.	95.	19.350
ORANGEBURG								
SC	332 00	.00	7.77	7.77	BOTH	SHOULDR		
	3875725	87.		50.		0.	137.	28.210
ORANGEBURG								

14-FEB-13 12:44:37

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BRE289

SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
HIGHWAY MAINTENANCE MANAGEMENT SYSTEM

Daily Work Report

Organization Unit District Date Report No.
73811 ORANGEBURG -SPRINGFIELD S SEVEN TUESDAY - OCT 23, 2007 4245117

Activity Work Description Work County Asset Group
401 MOWING CLEANUP

Asset Special Event Project Number
438

Type Route Aux Begin MP End MP Length Direction Position Off System Description

Units of Accomplishment: 36.390 UOM:ACRES Accident:N

Daily Cost: Labor Equipment Material Total
204. 97. 0. 301.

Number Description Org/UOM Quantity Hours Unit Cost DWR Cost

Labor

10052997 ROBINSON LEROY 73811 8.0 151.
10057180 MURDEN ARTHUR J. JR 73811 2.0 53.

Equipment

010-03-0236 TRUCK 1 TON UTILITY CREW 73811 2.0 5.94 12.
139-09-0183 MOWER, ROTARY, 15' 73811 8.0 3.73 30.
201-02-0637 TRACTOR MOWING 73811 8.0 6.94 56.

Material

DWR Comment:

Type	Route	Aux	Begin MP	End MP	Length	Direction	Position	Off System Description
Report No.	Labor Cost	Equipment Cost	Material Cost	Total Cost	Accomplishment			
Work County	Beat	Asset						

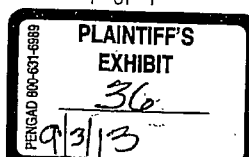
Work Request Number Requested Date

US	321 00	4.38	9.24	4.86	S	RIGHTWY		
4245123	135.	64.	0.	199.	24.000			
ORANGEBURG								

S	162 00	.00	2.56	2.56	W	RIGHTWY		
4245135	69.	33.	0.	102.	12.390			
ORANGEBURG								

14-FEB-13 12:46:15

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BRE297

SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
HIGHWAY MAINTENANCE MANAGEMENT SYSTEM

Work Request Report

Work Request No. 410938 Date: 29-APR-09 Time: 2:16 PM.

Requested Work: REPAVE DRIVEWAY

Activity: 501 DRIVEWAYS Work Descr: MAINTENANCE Priority: 60 DAYS

Directions: 7964 SAVANNAH HWY

<u>District</u>	<u>Work County</u>	<u>Conq.</u>	<u>Dist.</u>	<u>Road Name</u>
7	ORANGEBURG	6		SAVANNAH HWY

<u>Type</u>	<u>Route</u>	<u>Aux</u>	<u>Begin MP</u>	<u>End MP</u>	<u>Dir.</u>	<u>Position</u>	<u>Off System Description</u>
US	321	00	5.40	5.40	N		RIGHTWY

Reported By: SARAH HART

Address: 7964 SAVANNAH HWY

City: NORWAY

State: SC

Zip: 29113-0000

Home Phone: (803)263-4528

Work Phone:

Assessment: DIG PINE ROOTS OUT FIX AND REPAVE AND PUT CRUSH RUN AT BACK OF DRIVEWAY

Assessed by Meets Objective Recommend for Approval SCDOT Approval

IH

Date Certified:

PE#

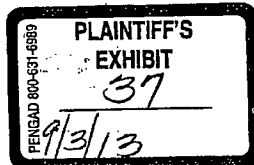
PE Name:

Responsible Org: 73811-ORANGEBURG -SPRINGFIELD Closed:

Completed: 04-MAY-09

14-FEB-13 10:33:41

1 of 1



BRE183

SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
HIGHWAY MAINTENANCE MANAGEMENT SYSTEM

Work Request Report

Work Request No. 435938 Date: 10-AUG-09 Time: 2:26 PM

Requested Work: WASHOUT BY DRIVEWAY

Activity: 501 DRIVEWAYS Work Descr: MAINTENANCE Priority: 60 DAYS
Directions: 7861 SAVANNAH HWY

<u>District</u>	<u>Work County</u>	<u>Cong. Dist.</u>	<u>Road Name</u>
7	ORANGEBURG	2	SAVANNAH HWY

<u>Type</u>	<u>Route</u>	<u>Aux</u>	<u>Begin MP</u>	<u>End MP</u>	<u>Dir.</u>	<u>Position</u>	<u>Off System Description</u>
US	321	00	5.78	5.78	N	RIGHTWY	

Reported By: EARL PEEPLES

Address: 7861 SAVANNAH HWY

City: ORANGEBURG State: SC Zip: 29113-0000

Home Phone: (803)263-2372

Work Phone:

Assessment: FIX WASHOUT BESIDE DRIVEWAY

Assessed by Meets Objective Recommend for Approval SCDOT Approval

IR

Date Certified: PE# PE Name:

Responsible Org: 73811-ORANGEBURG -SPRINGF Closed:

Completed: 20-AUG-09

14-FEB-13 10:32:19

1 of 1



BRE180

SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
HIGHWAY MAINTENANCE MANAGEMENT SYSTEM

Work Request Report

Work Request No. 281676 Date: 20-APR-07 Time: 1:45 PM

Requested Work: WANTS DRIVEWAY INSTALLED.

Activity: 501 DRIVEWAYS Work Descr: Priority:

Directions: 6894 SAVANNAH HWY

District Work County Cong. Dist. Road Name

7 ORANGEBURG

<u>Type</u>	<u>Route</u>	<u>Aux</u>	<u>Begin MP</u>	<u>End MP</u>	<u>Dir.</u>	<u>Position</u>	<u>Off System Description</u>
US	321	00	8.34	8.34	S		RIGHTWY

Reported By: JUSTIN BROWN

Address: 6894 SAVANNAH HWY

City: NEESES

State: SC

Zip: 29107-0000

Home Phone: (803) 682-3523

Work Phone:

Assessed by Meets Objective Recommend for Approval SCDOT Approval

Date Certified:

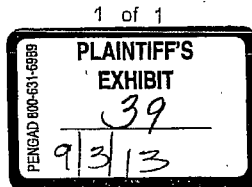
PE#

PE Name:

Responsible Org: 73811-ORANGEBURG -SPRINGF Closed:

Completed: 21-MAY-07

14-FEB-13 10:35:30



BRE190

SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
HIGHWAY MAINTENANCE MANAGEMENT SYSTEM

Daily Work Report

Organization Unit ORANGEBURG -SPRINGFIELD S District SEVEN Date WEDNESDAY - SEP 12, 2007 Report No. 4154063

Activity 407 LITTER CONTROL Work Description LITTER Work County ORANGEBURG Asset Group 438

Asset 438 Special Event 438 Project Number 438

Type Route Aux Begin MP End MP Length Direction Position Off System Description

Units of Accomplishment: 470.000 UOM:POUNDS Accident:N

Daily Cost: Labor 777. Equipment 99. Material 0. Total 876.

Number Description Org/UOM Quantity Hours Unit Cost DWR Cost

Labor

52563	PORTER NATHANIEL	73811		8.0		187.
54282	EDWARDS ANTHONY D	73811		5.0		106.
10052893	WILLIAMS CHESTER	73811		8.0		134.
10052999	BRUNSON RANDY A	73811		8.0		109.
10056253	ROBINSON DANTEL R	73811		8.0		109.
10057180	MURDEN ARTHUR J JR	73811		5.0		131.

Equipment

010-03-0236	TRUCK 1 TON UTILITY CREW	73811		5.0	5.94	30.
013-03-0870	TRUCK, 5 CY DUMP (2P)	73811		5.0	6.96	35.
013-03-0874	TRUCK, 5 CY DUMP (2P)	73811		5.0	6.96	35.

Material

DWR Comment:

Type Route Aux Begin MP End MP Length Direction Position Off System Description

Report No. Labor Cost Equipment Cost Material Cost Total Cost Accomplishment

Work County Beat Asset

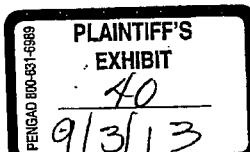
Work Request Number Requested Date

US 321 00 1.36 2.36 1.00 BOTH RIGHTWY
4154068 165. 21. 0. 186. 100.000
ORANGEBURG

US 321 00 5.34 9.34 4.00 BOTH RIGHTWY
4154072 612. 78. 0. 690. 370.000
ORANGEBURG

14-FEB-13 12:45:32

1 of 1



BRE294

SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
HIGHWAY MAINTENANCE MANAGEMENT SYSTEM

Daily Work Report

Organization Unit: 73811 ORANGEBURG -SPRINGFIELD S District: SEVEN Date: FRIDAY - APR 18, 2008 Report No.: 4653332

Activity: 407 LITTER CONTROL Work Description: LITTER Work County: Asset Group:

Asset: Special Event: Project Number: 438

Type Route Aux Begin MP End MP Length Direction Position Off System Description

Units of Accomplishment: 780.000 UOM: POUNDS Accident: N

Daily Cost: Labor: 680. Equipment: 91. Material: 0. Total: 771.

Number	Description	Org/UOM	Quantity	Hours	Unit Cost	DWR Cost
Labor						
52563	PORTER NATHANIEL	73811		8.0		196.
54282	EDWARDS ANTHONY D	73811		8.0		178.
10052893	WILLIAMS CHESTER	73811		8.0		141.
10057180	MURDEN ARTHUR J JR	73811		6.0		165.

Equipment						
010-03-0236	TRUCK 1 TON UTILITY CREW	73811		6.0	5.94	36.
013-03-0874	TRUCK, 5 CY DUMP (2P)	73811		8.0	6.96	56.

Material

DWR Comment:

Type	Route	Aux	Begin MP	End MP	Length	Direction	Position	Off System Description
Report No.	Labor Cost	Equipment Cost	Material Cost	Total Cost	Accomplishment			
Work County	Beat	Asset						

							Work Request Number	Requested Date
US	321	00	8.34	9.34	1.00	BOTH	RIGHTWY	
4653334	349.		47.		0.			
ORANGEBURG					396.			400.000

US	321	00	5.38	7.38	2.00	BOTH	RIGHTWY	
4653337	331.		44.		0.			
ORANGEBURG					375.			380.000

14-FEB-13 12:47:35

1 of 1



BRE303

SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
HIGHWAY MAINTENANCE MANAGEMENT SYSTEM
Daily Work Report

Organization Unit District Date Report No.
73801 ORANGEBURG -ADMINISTRATIO SEVEN WEDNESDAY - OCT 15, 2008 5088841

Activity Work Description Work County Asset Group
908 INSPECTIONS NIGHT TIME

Asset Special Event Project Number
438

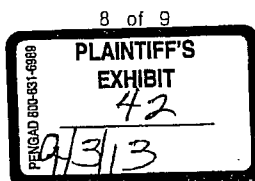
Type Route Aux Begin MP End MP Length Direction Position Off System Description

Units of Accomplishment: 218.490 UOM: PERSON HOURS Accident: N

Daily Cost: Labor Equipment Material Total
462. 23. 0. 485.

Type	Route	Aux	Begin MP	End MP	Length	Direction	Position	Off System Description
Report No.	Labor Cost		Equipment Cost		Material Cost		Total Cost	Accomplishment
Work County	Beat		Asset		Work Request Number		Requested Date	
S	1741	00	.00	.15	.15	BOTH	ROADWAY	
	5117120		1.		0.		0.	1. .300
ORANGEBURG								
US	321	00	4.01	9.34	5.33	BOTH	ROADWAY	
	5117130		23.		1.		0.	24. 10.660
ORANGEBURG								
S	191	00	.00	5.97	5.97	BOTH	ROADWAY	
	5117140		25.		1.		0.	26. 11.940
ORANGEBURG								
S	73	00	5.23	11.86	6.63	BOTH	ROADWAY	
	5117148		28.		1.		0.	29. 13.260
ORANGEBURG								
S	1865	00	.00	1.29	1.29	BOTH	ROADWAY	
	5311921		3.		0.		0.	3. 1.290
ORANGEBURG								
S	1859	00	.00	.31	.31	BOTH	ROADWAY	
	5311923		1.		0.		0.	1. .310
ORANGEBURG								

14-FEB-13 16:00:04



BRE419

SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
HIGHWAY MAINTENANCE MANAGEMENT SYSTEM
Daily Work Report

Organization Unit: ORANGEBURG -ADMINISTRATIO District: SEVEN Date: WEDNESDAY - NOV 12, 2008 Report No.: 5159731

Activity: 908 INSPECTIONS Work Description: NIGHT TIME Work County: Asset Group:

Asset: Special Event: Project Number: 438

Type Route Aux Begin MP End MP Length Direction Position Off System Description

Units of Accomplishment: 320.993 UOM: PERSON HOURS Accident: N

Labor: 415. Equipment: 13. Material: 0. Total: 428.

Type	Route	Aux	Begin MP	End MP	Length	Direction	Position	Off System Description
Report No.	Labor Cost	Equipment Cost	Material Cost	Total Cost	Accomplishment	Work County	Beat	Asset

Work Request Number	Requested Date
S 89 00 .00 2.97 2.97 BOTH ROADWAY	
5191475 8. 0. 0. 8. 5.940	
ORANGEBURG	

S 1036 00 .00 .20 .20 BOTH ROADWAY	
5191477 1. 0. 0. 1. .400	
ORANGEBURG	

SC 332 00 .00 7.77 7.77 BOTH ROADWAY	
5191483 20. 1. 0. 21. 15.540	
ORANGEBURG	

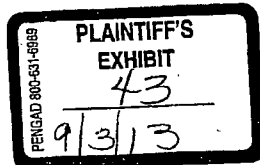
US 321 00 .00 20.70 20.70 BOTH ROADWAY	
5191490 54. 2. 0. 56. 41.400	
ORANGEBURG	

US 321 00 .00 .18 .18 BOTH ROADWAY	
5191492 0. 0. 0. 0. .360	
ORANGEBURG	

SC 400 00 .00 12.48 12.48 BOTH ROADWAY	
5191495 32. 1. 0. 33. 24.960	
ORANGEBURG	

14-FEB-13 16:06:40

13 of 18



BRE491

SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
HIGHWAY MAINTENANCE MANAGEMENT SYSTEM

Daily Work Report

Organization Unit District Date Report No.
73801 ORANGEBURG -ADMINISTRATIO SEVEN WEDNESDAY - NOV 12, 2008 5159731

Activity Work Description Work County Asset Group
908 INSPECTIONS NIGHT TIME

Asset Special Event Project Number
438

Type Route Aux Begin MP End MP Length Direction Position Off System Description

Units of Accomplishment: 320.993 UOM:PERSON HOURS Accident:N

Labor Equipment Material Total
Daily Cost: 415. 13. 0. 428.

Type	Route	Aux	Begin MP	End MP	Length	Direction	Position	Off System Description
Report No.	Labor Cost	Equipment Cost	Material Cost	Total Cost	Accomplishment			
Work County	Beat	Asset		Work Request Number		Requested Date		
US	321 00	.00	20.25	20.25	BOTH	ROADWAY		
5191640	52.			2.		0.	54.	40.500
ORANGEBURG								
SC	4 00	.00	4.45	4.45	BOTH	ROADWAY		
5191645	12.			0.		0.	12.	8.900
ORANGEBURG								
SC	4 00	4.73	24.54	19.81	BOTH	ROADWAY		
5191650	51.			2.		0.	53.	39.620
ORANGEBURG								
S	670 00	.00	.97	.97	BOTH	ROADWAY		
5303814	3.			0.		0.	3.	1.940
ORANGEBURG								
S	690 00	.00	2.57	2.57	BOTH	ROADWAY		
5303816	7.			0.		0.	7.	5.140
ORANGEBURG								
S	176 00	.00	1.22	1.22	BOTH	ROADWAY		
5303032	3.			0.		0.	3.	2.440
ORANGEBURG								

14-FEB-13 16:06:40

17 of 18



BRE495

SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
HIGHWAY MAINTENANCE MANAGEMENT SYSTEM

Work Request Report

Work Request No. 364146 Date: 27-AUG-08 Time: 3:44 PM

Requested Work: STOP SIGN AND POST IN DITCH

Activity: 603 SIGNS

Work Descr: MAINTAIN/REPL Priority:

Directions: CABIN RD. AND ADA RD.

<u>District</u>	<u>Work County</u>	<u>Conq. Dist.</u>	<u>Road Name</u>
7	ORANGEBURG	2	SAVANNAH HWY

<u>Type</u>	<u>Route</u>	<u>Aux</u>	<u>Begin MP</u>	<u>End MP</u>	<u>Dir.</u>	<u>Position</u>	<u>Off System Description</u>
US	321	00	7.56	7.56	S	SHOULDR	

Reported By: ENERST BAIR

Address: 1550 HENLEY ST.

City: ORANGEBURG

State: SC

Zip: 29115-0000

Home Phone: (803) 533-6136

Work Phone:

Assessment: FIX SIGN AND POST

<u>Assessed by</u>	<u>Meets Objective</u>	<u>Recommend for Approval</u>	<u>SCDOT Approval</u>
WJAMISON	YES		YES

Date Certified: 12-SEP-08 PE# 14857

PE Name: BASKINEP

Responsible Org: 73801-ORANGEBURG -ADMINIS Closed:

Completed: 27-AUG-08

14-FEB-13 10:33:55

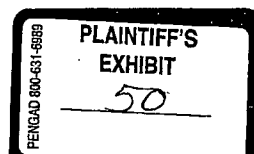
1 of 1



BRE184



Visited Site on 25 June 2013





PENGAD 800-331-4888
PLAINTIFF'S
EXHIBIT
51
9/3/13



PLAINTIFF'S
EXHIBIT
52
9/3/13



8 12 05

EXHIBIT
53



03/12/05

54

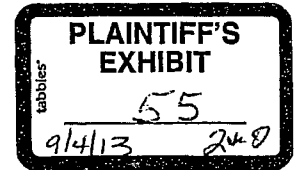
EXHIBIT

William Breland

MEDICAL BILL SUMMARY

Bamberg County Hospital 1/8/10, 1/14/10	\$2,697.00
Bamberg Emergency Group 1/8/10, 1/14/10	\$1,258.00
Low Country MRI 1/19/10	\$1,065.00
William Glenn, MD 1/18/10	\$100.00
Bamberg Physical Therapy 3/12/10, 3/15/10, 3/18/10 3/22/10, 3/23/10, 3/25/10 3/29/10, 3/30/10	\$3,249.00
Aiken Neurosciences Dr. Mummenani 2/8/10, 2/23/10, 4/7/10, 6/7/10, 6/16/10	\$731.00
MCG Health, Inc. 6/11/10, 7/1/10, 8/24/10, 9/22/10, 10/1-8/10, 10/26/10	\$109,617.00

Total: \$118,717.00



1/2008

Chief

Asst. Chief

NEESES FIRE DEPARTMENT

2021 Silver Springs Road
P.O. Box 461 Neeses, S.C. 29107
PA/FR: 803-247-5858, FDID# 38210

Dept Run # 10

County Run # 136

DATE: 1-7-2010

Apparatus Responding 101, 105

Run Times:

Received 22:51 AM (PM)

Dispatched 22:53

Enroute 23:54

Arrived 0:03

Depart 0:27

Available 0:34

Kind of Call:

☐ Actual Fire☐ Check after fire out☐ Assist Rescue/EMS☐ Landing Zone☐ Assist/Inmate Aid☐ Other☒ Vehicle/Aircraft☐ Haz-Mat Incident☐ Automatic Alarm☐ False Call☐ Cancelled

Alarm received by:

☒ 911☐ Verbal☐ Other

Location: Intersection of Ada Road & Savannah Highway
(Physical Address or Cross Streets)

Occupant(s): William Brelard

Address: 79 Persimmon Road Bamberg SC 29107

Owner:

Address:

Actual Fire []

Water Used gals

Vehicles

Fire []

Accident ☒☐ Home # of stories☐ Mobile Home☐ Commercial☐ Grass ☐ Shed☐ Woodland ☐ Barn☐ Flame Liq. ☐ Explosion☐ Other☐ Wood Frame☐ Brick/Block☐ Metal

Driver's License # 011661517

Tag # 370-0D6

VIN

Yr/Make/Model 94 Dodge Caravan

Insurance Company and Policy #

Aig Insurance

Other Information (Phone)

Area of Origin

Method of Extinguishment

Material First Ignited

Estimated Dollar value before (contents) \$

Type & Extent of Damage ☐ Partial ☐ % ☐ % ☐ Total

Estimated Dollar Loss (contents) \$

(structure) \$

+ (structure) \$

= Loss \$

Deaths or Injuries: ☐ FirefightersEquipment Loss ☐ Yes☐ Others☐ No

If yes specify on back

Bloodborne Pathogen Exposure ☐ Yes ☐ No

Personnel Responding: Firefighters

Officers

Total

10

15

20

25

30

11

16

21

26

31

12

17

22

27

32

13

18

23

28

33

14

19

24

29

34

Aid Given to:

Mutual Aid Personnel

Aid Received from:

Signature of Incident Commander

SUMMARY (continue on back as needed)

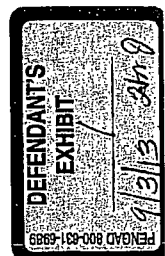
Date Signed 1-7-2010

Vehicle vs tree no injuries

CAROLINA FRESH FARMS

Dec. 13, 2011 9:56AM

BRE 2



1/08/10
0:34:26

HTE CAD
CAD CALL INFORMATION

PAGE 1
100070210

Call Number: 100070210 Call Type: 002 Accident-Injuries Fire
Entry Day/Tm: 1/07/10 23:51:19 002 Accident-Injuries Fire

ComN:
Location...: SAVANNAH Agency ...: 010 Neeses Fire Dept
City...: Block#: HWY Apt: INTERSECTN
Intersectn.: ADA Loc ID: J Mapr:

Caller Name: Last: BRRLAND First: WILLIAM Mid: See Caller:
Address...: SAVANNAH HWY Apt: INTERSECTN
City/State: NEESES SC Phone#: 702-406-0381 Source:

Call Taker.: 6184 ABRAHAM PATRICE PREMS6
Dispatcher.: 6184 ABRAHAM PATRICE PREMS6

N A F R A T I V E

BT12 FIRST UNIT RESPONDING 23:54:12
NS16 FIRST UNIT RESPONDING 23:54:19
GRIDS 29-A2
UNIT RESPONDING FROM STATION 1 0:06:02
CC: GIVENS /CM: JENTSCH 0:06:02
CANCELLED CALL 0:06:02
0:06:02

BT

Unit Status History Information

1/07/10 23:54:04	4 Dispatched	D
1/07/10 23:54:05	32 Enroute To Scene	G
1/08/10 0:01:16	6 Unit On Scene	A
1/08/10 0:01:18	7 On Call- Available	YS
1/08/10 0:27:15	20 Available	AV

NS

Unit Status History Information

1/07/10 23:52:04	4 Dispatched	D
1/07/10 23:52:04	11 Assigned as Primary	PR
1/07/10 23:54:13	32 Enroute To Scene	G
1/08/10 0:03:06	6 Unit On Scene	A
1/08/10 0:03:07	7 On Call- Available	YS
1/08/10 0:27:15	20 Available	AV

NS101

Unit Status History Information

1/07/10 23:59:33	4 Dispatched	D
1/07/10 23:59:36	32 Enroute To Scene	G
1/08/10 0:03:06	6 Unit On Scene	A
1/08/10 0:27:19	30 Return to Station	R
1/08/10 0:34:21	20 Available	AV

NS105

Unit Status History Information

No. 4512 P. 3

CAROLINA FRESH FARMS

Dec. 13, 2011 9:56AM

BRE 3

SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
HIGHWAY MAINTENANCE MANAGEMENT SYSTEM

Work Request Report

Work Request No. 431970 Date: 22-JUL-09 Time: 3:14 PM

Requested Work: TREE NEEDS CUTING

Activity: 408 TREE REMOVAL Work Descr: STANDING Priority:

Directions: 7864 SAVANNAH HWY

<u>District</u>	<u>Work County</u>	<u>Cong. Dist.</u>	<u>Road Name</u>
7	ORANGEBURG	6	SAVANNAH HWY

<u>Type</u>	<u>Route</u>	<u>Aux</u>	<u>Begin MP</u>	<u>End MP</u>	<u>Dir.</u>	<u>Position</u>	<u>Off System Description</u>
US	321	00	4.75	4.75	S	RIGHTWY	

Reported By: KENT SUTCLIFF

Address: 7864 SAVANNAH HWY

City: NORWAY

State: SC

Zip: 29116-0000

Home Phone: (803)263-4746

Work Phone:

Assessment: REMOVE TREE TO BE HANDLED BY CONTRACTOR

Assessed by Meets Objective Recommend for Approval SCDOT Approval

IH

Date Certified:

PE#

PE Name:

Responsible Org: 73802-ORANGEBURG -ARME

Closed:

Completed: 21-SEP-09

Work Summary: TREE REMOVED BY CONTRACTOR

14-FEB-13 10:32:35

1 of 1



BRE181

**SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
HIGHWAY MAINTENANCE MANAGEMENT SYSTEM**

Daily Work Report

<u>Organization Unit</u>	<u>District</u>	<u>Date</u>	<u>Report No.</u>
73811 ORANGEBURG -SPRINGFIELD S	SEVEN	TUESDAY - JUL 22, 2008	4877882

<u>Activity</u>	<u>Work Description</u>	<u>Work County</u>	<u>Asset Group</u>
405 LIMB MANAGEMENT			
<u>Asset</u>	<u>Special Event</u>	<u>Project Number</u>	
		438	
<u>Type</u>	<u>Route</u>	<u>Aux</u>	<u>Begin MP</u>
			<u>End MP</u>
			<u>Length</u>
			<u>Direction</u>
			<u>Position</u>
			<u>Off System Description</u>

Units of Accomplishment: .250 UOM: SHOULDER MILES Accident: N

<u>Labor</u>	<u>Equipment</u>	<u>Material</u>	<u>Total</u>
Daily Cost: 803.	314.	0.	1,117.

<u>Number</u>	<u>Description</u>	<u>Org/UOM</u>	<u>Quantity</u>	<u>Hours</u>	<u>Unit Cost</u>	<u>DWR Cost</u>
Labor						
52563	PORTER NATHANIEL	73811		8.0		198.
54282	EDWARDS ANTHONY D	73811		8.0		179.
10052997	ROBINSON LEROY	73811		8.0		160.
10052999	BRUNSON RANDY A	73811		8.0		133.
10056253	ROBINSON DANTEL R	73811		8.0		133.

Equipment						
010-03-0236	TRUCK 1 TON UTILITY CREW	73811		8.0	5.94	48.
013-03-0837	TRUCK, 5 CY DUMP (2P)	73811		8.0	6.96	56.
013-03-0870	TRUCK, 5 CY DUMP (2P)	73811		8.0	6.96	56.
013-03-0874	TRUCK, 5 CY DUMP (2P)	73811		8.0	6.96	56.
021-18-0032	TRAILER, EQUIPMENT, RAMP	73811		8.0	1.84	15.
237-04-0256	BACKHOE/LOADER, 4WD LARGE	73811		8.0	10.58	85.

Material

DWR Comment: REMOVE FALLEN TRESS FROM SHOULDER OF ROAD

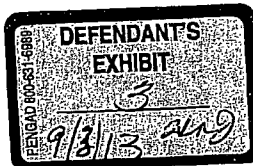
<u>Type</u>	<u>Route</u>	<u>Aux</u>	<u>Begin MP</u>	<u>End MP</u>	<u>Length</u>	<u>Direction</u>	<u>Position</u>	<u>Off System Description</u>
<u>Report No.</u>	<u>Labor Cost</u>	<u>Equipment Cost</u>	<u>Material Cost</u>	<u>Total Cost</u>	<u>Accomplishment</u>			
<u>Work County</u>	<u>Beat</u>	<u>Asset</u>						

					<u>Work Request Number</u>	<u>Requested Date</u>	
S	162 00	6.40	6.40	.00	E	SHOULDR	
	4877883	161.		63.		0.	224.
ORANGEBURG							.050

S	162 00	8.45	8.45	.00	E	SHOULDR	
	4877887	161.		63.		0.	224.
ORANGEBURG							.050

14-FEB-13 12:48:34

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BRE308

SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
HIGHWAY MAINTENANCE MANAGEMENT SYSTEM
Daily Work Report

Organization Unit	District	Date	Report No.
73811 ORANGEBURG -SPRINGFIELD S	SEVEN	TUESDAY - JUL 22, 2008	4877882

Activity	Work Description	Work County	Asset Group
405 LIMB MANAGEMENT			

Asset	Special Event	Project Number
		438

Type	Route	Aux	Begin MP	End MP	Length	Direction	Position	Off System Description
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Units of Accomplishment: .250 UOM: SHOULDER MILES Accident: N

Daily Cost:	Labor	Equipment	Material	Total
	803.	314.	0.	1,117.

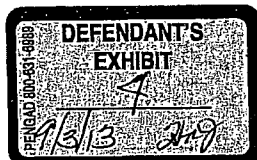
Type	Route	Aux	Begin MP	End MP	Length	Direction	Position	Off System Description
Report No.	Labor Cost	Equipment Cost	Material Cost	Total Cost	Accomplishment			
Work County	Beat	Asset						

						Work Request Number	Requested Date	
US	321	00	3.83	3.83	.00	S	RIGHTWY	
	4877891		161.		63.		0.	224.
ORANGEBURG								.050
S	132	00	3.00	3.00	.00	W	SHOULDR	
	4877894		161.		63.		0.	224.
ORANGEBURG								.050
S	132	00	3.40	3.40	.00	W	SHOULDR	
	4877897		161.		63.		0.	224.
ORANGEBURG								.050

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BRE309



SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
HIGHWAY MAINTENANCE MANAGEMENT SYSTEM

Daily Work Report

Organization Unit 3811 ORANGEBURG -SPRINGFIELD S	District SEVEN	Date WEDNESDAY - NOV 05, 2008	Report No. 5144890
Activity 405 LIMB MANAGEMENT	Work Description	Work County	Asset Group

Asset	Special Event	Project Number 438
Type	Route	Aux
Begin MP	End MP	Length
Direction	Position	Off System Description

Units of Accomplishment: .320 UOM: SHOULDER MILES Accident: N

Daily Cost:	Labor 275.	Equipment 155.	Material 0.	Total 430.
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Number	Description	Org/UOM	Quantity	Hours	Unit Cost	DWR Cost
Labor						
10052893	WILLIAMS CHESTER	73811		8.0		142.
10056253	ROBINSON DANTEL R	73811		8.0		133.
Equipment						
013-03-0837	13-16 TN 2P BCKT ST W/DMP	73811		8.0	6.96	56.
021-18-0032	TRAILER, EQUIPMENT, W/RAM	73811		8.0	1.84	15.
237-04-0256	BACKHOE/LOADER, 4WD	73811		8.0	10.58	85.

Material

DWR Comment: REMOVE TREES FROM SHOULDER

Report No.	Labor Cost	Equipment Cost	Material Cost	Total Cost	Accomplishment
5144892	9.	5.	0.	14.	.010
RANGEBURG					
5144893	86.	48.	0.	134.	.100
RANGEBURG					
5144896	9.	5.	0.	14.	.010
RANGEBURG					
5144898	172.	97.	0.	269.	.200
RANGEBURG					

1-FEB-13 12:50:03

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BRE313

SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
HIGHWAY MAINTENANCE MANAGEMENT SYSTEM

Daily Work Report

Organization Unit	District	Date	Report No.
73811 ORANGEBURG -SPRINGFIELD S	SEVEN	MONDAY - JUN 29, 2009	5716054

Activity	Work Description	Work County	Asset Group
408 TREE REMOVAL	FALLEN		

Asset	Special Event	Project Number
		438

Type	Route	Aux	Begin MP	End MP	Length	Direction	Position	Off	System Description
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Units of Accomplishment: 5.000 UOM:EACH Accident:N

Daily Cost:	Labor	Equipment	Material	Total
	434.	189.	0.	623.

Number	Description	Org/UOM	Quantity	Hours	Unit Cost	DWR Cost
Labor						
52563	PORTER NATHANIEL	73811		4.0		101.
66890	JACKSON BOBBY R	73811		4.0		68.
10052893	WILLIAMS CHESTER	73811		4.0		73.
10052999	BRUNSON RANDY A	73811		4.0		68.
10056253	ROBINSON DANTEL R	73811		4.0		68.
10057180	MURDEN ARTHUR J JR	73811		2.0		57.
Equipment						
010-03-0236	TRK, 1 TON UTILITY CREW C	73811		2.0	8.25	17.
013-03-0837	TRK, 13-16 TN 2P BCKT DMP	73811		4.0	9.19	37.
013-03-0870	TRK, 13-16 TN 2P BCKT DMP	73811		4.0	9.19	37.
013-03-0874	TRK, 13-16 TN 2P BCKT DMP	73811		4.0	9.19	37.
021-18-0032	TRAILER, EQUIPMENT, W/RAM	73811		4.0	2.65	11.
237-04-0256	BACKHOE/LOADER, 4WD	73811		4.0	12.80	51.

Material

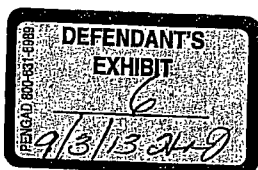
DWR Comment:

Type	Route	Aux	Begin MP	End MP	Length	Direction	Position	Off	System Description
Report No.	Labor Cost	Equipment Cost	Material Cost	Total Cost	Accomplishment				
Work County	Beat	Asset							
		Work Request Number	Requested Date						
SC	4 00	3.25	3.25	.00	E	SHOULDR			
5716059	174.	76.	0.	250.	2.000				
ORANGEBURG									
US	321 00	8.00	8.00	.00	N	SHOULDR			
5716060	174.	76.	0.	250.	2.000				
ORANGEBURG									

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BRE331



SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
HIGHWAY MAINTENANCE MANAGEMENT SYSTEM

Daily Work Report

<u>Organization Unit</u>	<u>District</u>	<u>Date</u>	<u>Report No.</u>
811 ORANGEBURG -SPRINGFIELD S	SEVEN	FRIDAY - NOV 13, 2009	6094751

<u>Activity</u>	<u>Work Description</u>	<u>Work County</u>	<u>Asset Group</u>
408 TREE REMOVAL	FALLEN		

<u>Asset</u>	<u>Special Event</u>	<u>Project Number</u>
		438

<u>Type</u>	<u>Route</u>	<u>Aux</u>	<u>Begin MP</u>	<u>End MP</u>	<u>Length</u>	<u>Direction</u>	<u>Position</u>	<u>Off System Description</u>
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Units of Accomplishment: 4.000 UOM:EACH Accident:N

<u>Labor</u>	<u>Equipment</u>	<u>Material</u>	<u>Total</u>
Daily Cost: 504.	150.	0.	654.

<u>Number</u>	<u>Description</u>	<u>Org/UOM</u>	<u>Quantity</u>	<u>Hours</u>	<u>Unit Cost</u>	<u>DWR Cost</u>
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Labor

52563	PORTER NATHANIEL	73811		4.0		101.
66890	JACKSON BOBBY R	73811		4.0		68.
10052893	WILLIAMS CHESTER	73811		4.0		73.
10052997	ROBINSON LEROY	73811		4.0		82.
10056253	ROBINSON DANTEL R	73811		4.0		68.
10057180	MURDEN ARTHUR J JR	73811		4.0		114.

Equipment

010-03-0236	TRK, 1 TON UTILITY CREW C	73811		4.0	7.76	31
013-03-0837	TRK, 13-16 TN 2P BCKT DMP	73811		4.0	8.48	34
013-03-0870	TRK, 13-16 TN 2P BCKT DMP	73811		4.0	8.48	34
021-18-0032	TRAILER, EQUIPMENT, W/RAM	73811		4.0	2.32	
237-04-0256	BACKHOE/LOADER, 4WD	73811		4.0	10.58	4

Material

DWR Comment:

<u>Type</u>	<u>Route</u>	<u>Aux</u>	<u>Begin MP</u>	<u>End MP</u>	<u>Length</u>	<u>Direction</u>	<u>Position</u>	<u>Off System Description</u>
<u>Report No.</u>	<u>Labor Cost</u>	<u>Equipment Cost</u>	<u>Material Cost</u>	<u>Total Cost</u>	<u>Accomplishment</u>			
<u>Work County</u>	<u>Beat</u>				<u>Asset</u>			

					<u>Work Request Number</u>	<u>Requested Date</u>	
6094754	4 00	7.52	7.52	.00	W	SHOULDR	
		126.		38.		0.	164. 1.000

RANGEBURG

6094756	132 00	6.00	6.00	.00	W	SHOULDR	
		126.		38.		0.	164. 1.000

RANGEBURG

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BRE337



SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
HIGHWAY MAINTENANCE MANAGEMENT SYSTEM

Daily Work Report

<u>Organization Unit</u>	<u>District</u>	<u>Date</u>	<u>Report No.</u>
3811 ORANGEBURG -SPRINGFIELD S	SEVEN	FRIDAY - NOV 13, 2009	6094751

<u>Activity</u>	<u>Work Description</u>	<u>Work County</u>	<u>Asset Group</u>
408 TREE REMOVAL	FALLEN		

<u>Asset</u>	<u>Special Event</u>	<u>Project Number</u>
		438

<u>Type</u>	<u>Route</u>	<u>Aux</u>	<u>Begin MP</u>	<u>End MP</u>	<u>Length</u>	<u>Direction</u>	<u>Position</u>	<u>Off System Description</u>
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Units of Accomplishment: 4.000 UOM:EACH Accident:N

<u>Daily Cost:</u>	<u>Labor</u>	<u>Equipment</u>	<u>Material</u>	<u>Total</u>
	504.	150.	0.	654.

<u>pe</u>	<u>Route</u>	<u>Aux</u>	<u>Begin MP</u>	<u>End MP</u>	<u>Length</u>	<u>Direction</u>	<u>Position</u>	<u>Off System Description</u>
<u>Report No.</u>	<u>Labor Cost</u>	<u>Equipment Cost</u>	<u>Material Cost</u>	<u>Total Cost</u>	<u>Accomplishment</u>			

<u>Work County</u>	<u>Beat</u>	<u>Work Request Number</u>	<u>Requested Date</u>	<u>Asset</u>	<u>Accomplishment</u>
39 00	1.50 1.50	.00 N	SHOULDR		
6094759	126.	38.	0.	164.	1.000

RANGEBURG

S	321 00	3.75 3.75	.00 S	SHOULDR	1.1
	6094760	126.	38.	0.	164.

RANGEBURG

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BRE338

SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
HIGHWAY MAINTENANCE MANAGEMENT SYSTEM

Daily Work Report

<u>Organization Unit</u>	<u>District</u>	<u>Date</u>	<u>Report No.</u>
3811 ORANGEBURG -SPRINGFIELD S	SEVEN	THURSDAY - OCT 01, 2009	5963893

<u>Activity</u>	<u>Work Description</u>	<u>Work County</u>	<u>Asset Group</u>
908 INSPECTIONS	ROADWAY/DRAINAGE		

<u>Asset</u>	<u>Special Event</u>	<u>Project Number</u>
		438

<u>Type</u>	<u>Route</u>	<u>Aux</u>	<u>Begin MP</u>	<u>End MP</u>	<u>Length</u>	<u>Direction</u>	<u>Position</u>	<u>Off System Description</u>
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Units of Accomplishment: 59.479 UOM:PERSON HOURS Accident:N

<u>Daily Cost:</u>	<u>Labor</u>	<u>Equipment</u>	<u>Material</u>	<u>Total</u>
	114.	31.	0.	145.

<u>Type</u>	<u>Route</u>	<u>Aux</u>	<u>Begin MP</u>	<u>End MP</u>	<u>Length</u>	<u>Direction</u>	<u>Position</u>	<u>Off System Description</u>
<u>Report No.</u>	<u>Labor Cost</u>	<u>Equipment Cost</u>	<u>Material Cost</u>	<u>Total Cost</u>	<u>Accomplishment</u>			
<u>Work County</u>	<u>Beat</u>				<u>Asset</u>			

<u>Work Request Number</u>	<u>Requested Date</u>
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162 00	5.82	6.99	1.17				
5963913	2.		1.	0.	3.	1.175	
RANGEBURG							
332 00	5.54	7.77	2.23				
5963914	4.		1.	0.	5.	2.219	
RANGEBURG							
332 00	8.05	9.33	1.28				
5963915	2.		1.	0.	3.	1.279	
RANGEBURG							
400 00	.00	1.80	1.80				
5963916	3.		1.	0.	4.	1.802	
RANGEBURG							
321 00	2.36	9.34	6.98				
5963917	13.		4.	0.	17.	6.971	
RANGEBURG							
191 00	.00	.88	.88				
5963918	2.		0.	0.	2.	.888	
RANGEBURG							

1-FEB-13 16:03:35

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BRE440

SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
HIGHWAY MAINTENANCE MANAGEMENT SYSTEM

Daily Work Report

<u>Organization Unit</u>	<u>District</u>	<u>Date</u>	<u>Report No.</u>
811 ORANGEBURG -SPRINGFIELD S	SEVEN	THURSDAY - DEC 17, 2009	6205643

<u>Activity</u>	<u>Work Description</u>	<u>Work County</u>	<u>Asset Group</u>
908 INSPECTIONS	ROADWAY/DRAINAGE		

<u>Asset</u>	<u>Special Event</u>	<u>Project Number</u>
		438

<u>Type</u>	<u>Route</u>	<u>Aux</u>	<u>Begin MP</u>	<u>End MP</u>	<u>Length</u>	<u>Direction</u>	<u>Position</u>	<u>Off System Description</u>
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Units of Accomplishment: 26.111 UOM:PERSON HOURS Accident:N

<u>Daily Cost:</u>	<u>Labor</u>	<u>Equipment</u>	<u>Material</u>	<u>Total</u>
	114.	31.	0.	145.

<u>Number</u>	<u>Description</u>	<u>Org/UOM</u>	<u>Quantity</u>	<u>Hours</u>	<u>Unit Cost</u>	<u>DWR Cost</u>
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Labor

10057180 MURDEN ARTHUR J JR	73811	4.0	114.
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Equipment

010-03-0236 TRK, 1 TON UTILITY CREW C	73811	4.0	7.76	31.
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Material

DWR Comment:

<u>pe</u>	<u>Route</u>	<u>Aux</u>	<u>Begin MP</u>	<u>End MP</u>	<u>Length</u>	<u>Direction</u>	<u>Position</u>	<u>Off System Description</u>
<u>Report No.</u>	<u>Labor Cost</u>	<u>Equipment Cost</u>	<u>Material Cost</u>	<u>Total Cost</u>	<u>Accomplishment</u>			
<u>Work County</u>	<u>Beat</u>	<u>Asset</u>						

<u>Work Request Number</u>	<u>Requested Date</u>
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3	332 00	8.05	9.33	1.28				
	6205659	6.		2.	0.	8.	1.279	
RANGEBURG								

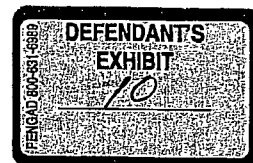
3	400 00	.00	1.80	1.80				
	6205660	8.		2.	0.	10.	1.802	
RANGEBURG								

3	321 00	2.36	9.34	6.98				
	6205661	30.		8.	0.	38.	6.971	
RANGEBURG								

	191 00	.00	.88	.88				
	6205662	4.		1.	0.	5.	.888	
RANGEBURG								

4-FEB-13 16:03:45

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BRE442

SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
HIGHWAY MAINTENANCE MANAGEMENT SYSTEM
Daily Work Report

<u>Organization Unit</u>		<u>District</u>	<u>Date</u>		<u>Report No.</u>
3802 ORANGEBURG -ARME		SEVEN	TUESDAY - NOV 27, 2007		4338305
<u>Activity</u>		<u>Work Description</u>	<u>Work County</u>	<u>Asset Group</u>	
908 INSPECTIONS		NIGHT TIME			
<u>Asset</u>		<u>Special Event</u>		<u>Project Number</u>	
				438	
<u>Type</u>	<u>Route</u>	<u>Aux</u>	<u>Begin MP</u>	<u>End MP</u>	<u>Length</u>
					<u>Direction</u>
					<u>Position</u>
<u>Off System Description</u>					
Units of Accomplishment: 40.000 UOM:PERSON HOURS Accident:N					
<u>Daily Cost:</u>		<u>Labor</u>	<u>Equipment</u>	<u>Material</u>	<u>Total</u>
		215.	28.	0.	243.
<u>Number</u>	<u>Description</u>	<u>Org/UOM</u>	<u>Quantity</u>	<u>Hours</u>	<u>Unit Cost</u>
					<u>DWR Cost</u>
Labor					
10057008	HERNDON ROBERT I	73802		6.0	215.
Equipment					
009-03-0273	TRUCK, 3/4 T UTIL (STD)	73802		6.0	4.66
Material					
DWR Comment:					
<u>Type</u>	<u>Route</u>	<u>Aux</u>	<u>Begin MP</u>	<u>End MP</u>	<u>Length</u>
					<u>Direction</u>
					<u>Position</u>
<u>Off System Description</u>					
<u>Report No.</u>	<u>Labor Cost</u>	<u>Equipment Cost</u>	<u>Material Cost</u>	<u>Total Cost</u>	<u>Accomplishment</u>
					<u>Asset</u>
<u>Work County</u>	<u>Beat</u>				
<u>Work Request Number</u>					
<u>Requested Date</u>					
3	321 00	.00	20.70	20.70	BOTH
4338308	215.		28.		ROADWAY
RANGEBURG				0.	243.
					40.000

1-FEB-13 16:04:25

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BRE447

SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
HIGHWAY MAINTENANCE MANAGEMENT SYSTEM
Work Request Selection Report

District 7 Org. County 38 Responsible Organization Unit 408 Activity _____ Work Description _____

Work County ORANGEBURG Congressional District _____ Status _____ Priority _____ Work Req. No. _____

Type US Route 321 Aux _____ Begin MP _____ End MP _____ Off System _____ Road Name _____

From Reported Date 01/01/2010 To Reported Date 02/10/2012 Days Old _____ Requestor Type _____ Reported By _____ Area Code _____ Phone No. _____

From Completion Date _____ To Completion Date _____ Type _____ Certification Status _____

Work Req.No.	Reported Date	Activity	Work Description	Priority	Requestor Type	Reported By	Work County
Road Name			Type Route Aux	Begin MP End MP	H:PHONE W:PHONE		

District: 7

Org. County: 38 - ORANGEBURG

Responsible Org. Unit: 73814 - ORANGEBURG - SHOULDER/DITCH

574104	08/01/2011	408 - TREE REMOVAL	FALLEN	TWO WEEKS	LAW ENFORCEMENT DISPATCH	ORANGEBURG
SAVANNAH HWY		US	321 00	9.84 9.84	(803) 531-6840	

Requested Work: TREE IN ROAD

Directions: US 321 AND SC 389

Assessment: TREE WAS IN CALHOUN AREA IN FORMED PATROL TO CALL CALHOUN MAINT.

Responsible Org. Unit: 73840 - ORANGEBURG - D7-CENTERLINE

463151	01/24/2010	408 - TREE REMOVAL	FALLEN		LAW ENFORCEMENT HIGHWAY PATROL	ORANGEBURG
SAVANNAH HWY		US	321 00	0.00 10.38	(803) 531-6840	

Requested Work: TREE DOWN IN ROAD

Directions: US 321 OUTSIDE OF NEESES

Assessment: NO TREE FOUND NO ACTION TAKEN

0-FEB-12 10:22:54

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464

SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
HIGHWAY MAINTENANCE MANAGEMENT SYSTEM

Daily Work Report Selection

555
BPC

<u>District</u>	<u>Org. County</u>	<u>Organization Unit</u>	<u>Work County</u>	<u>From Date</u>	<u>To Date</u>
7	38			WEDNESDAY - NOV 11, 2009	WEDNESDAY - FEB 10, 2010

<u>Activity</u>	<u>Work Description</u>	<u>Asset Group</u>	<u>Asset</u>
908-INSPECTIONS			

<u>Type</u>	<u>Route</u>	<u>Aux</u>	<u>Begin MP</u>	<u>End MP</u>	<u>Off System Descr.</u>	<u>Special Event</u>	<u>Accident</u>
US	321						

<u>Report No.</u>	<u>Date</u>	<u>Activity</u>	<u>Work County</u>	<u>Type</u>	<u>Route</u>	<u>Aux</u>	<u>Reg MP</u>	<u>End MP</u>	<u>Accomp. Qty</u>	<u>Off System Descr.</u>
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Organization Unit: 73802 - ORANGEBURG -ARME

6199094 S	12/17/2009	908	ORANGEBURG	US	321	00	0.00	9.44	18.88	
6199237 S	12/17/2009	908	ORANGEBURG	US	321	00	0.00	4.38	8.76	

Organization Unit: 73811 - ORANGEBURG -SPRINGFIELD SHED

6205661 S	12/17/2009	908	ORANGEBURG	US	321	00	2.36	9.34	6.97	
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Organization Unit: 73812 - ORANGEBURG -BRANCHVILLE SHED

6219501 S	01/04/2010	908	ORANGEBURG	US	321	00	0.00	2.36	2.35	
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1 of 1



SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
HIGHWAY MAINTENANCE MANAGEMENT SYSTEM

Daily Work Report Selection

566
BRE

District 7 Org. County 38 Organization Unit _____ Work County _____ From Date TUESDAY - JAN 01, 2008 To Date THURSDAY - DEC 31, 2009

Activity _____ Work Description _____ Asset Group _____ Asset _____
908-INSPECTIONS

Type	Route	Aux	Begin MP	End MP	Off System Descr.	Special Event	Accident
US	321	00					

Report No.	Date	Activity	Work County	Type	Route	Aux	Beg MP	End MP	Accomp. Qty	Off System Descr.
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Organization Unit: 73801 - ORANGEBURG -ADMINISTRATION

5301924 S	12/11/2008	908	ORANGEBURG	US	321	00	0.00	20.70	41.40	
5191490 S	11/12/2008	908	ORANGEBURG	US	321	00	0.00	20.70	41.40	
5191492 S	11/12/2008	908	ORANGEBURG	US	321	00	0.00	0.18	0.36	
5191640 S	11/12/2008	908	ORANGEBURG	US	321	00	0.00	20.25	40.50	
5117130 S	10/15/2008	908	ORANGEBURG	US	321	00	4.01	9.34	10.66	

Organization Unit: 73802 - ORANGEBURG -ARME

6199094 S	12/17/2009	908	ORANGEBURG	US	321	00	0.00	9.44	18.88	
6199237 S	12/17/2009	908	ORANGEBURG	US	321	00	0.00	4.38	8.76	

Organization Unit: 73811 - ORANGEBURG -SPRINGFIELD SHED

6205661 S	12/17/2009	908	ORANGEBURG	US	321	00	2.36	9.34	6.97	
5963917 S	10/01/2009	908	ORANGEBURG	US	321	00	2.36	9.34	6.97	
5707116 S	06/25/2009	908	ORANGEBURG	US	321	00	2.36	9.34	6.97	
5525862 S	04/16/2009	908	ORANGEBURG	US	321	00	2.36	9.34	6.97	
5361166 S	02/06/2009	908	ORANGEBURG	US	321	00	2.36	9.34	6.97	
5198977 S	11/26/2008	908	ORANGEBURG	US	321	00	2.36	9.34	6.97	
5060677 S	10/02/2008	908	ORANGEBURG	US	321	00	2.36	9.34	6.97	

Organization Unit: 73812 - ORANGEBURG -BRANCHVILLE SHED

5965552 S	10/01/2009	908	ORANGEBURG	US	321	00	0.00	2.36	2.35	
5690835 S	06/18/2009	908	ORANGEBURG	US	321	00	0.00	2.36	2.35	
5363025 S	02/05/2009	908	ORANGEBURG	US	321	00	0.00	2.36	2.35	
5257110 S	12/18/2008	908	ORANGEBURG	US	321	00	0.00	2.36	2.35	
5075533 S	10/09/2008	908	ORANGEBURG	US	321	00	0.00	2.36	2.35	
4956421 S	08/22/2008	908	ORANGEBURG	US	321	00	0.00	2.36	2.35	

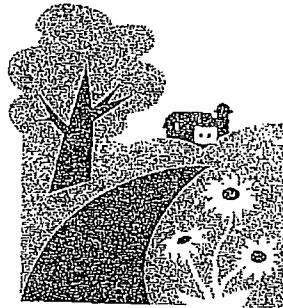
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1 of 1



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SCDOT
VEGETATION MANAGEMENT
GUIDELINES



2006



BRE 7

SCDOT
VEGETATION MANAGEMENT
GUIDELINES

2006

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1. OVERVIEW

The SCDOT Vegetation Management Program is "a decision-making and quality management process for maintaining roadside vegetation that integrates the needs of local communities, knowledge of plant ecology (and natural processes) and design, construction, and maintenance considerations. It also integrates monitoring and evaluation procedures, government statutes and regulations, and technology with cultural, biological, mechanical, and chemical pest control methods to economically manage roadsides for safety plus environmental and visual quality" (*How to Develop and Implement An Integrated Roadside Vegetation Management Program*, National Roadside Vegetation Management Association, IRVM Task Force, p. 1, March 1997).

The purpose of the SCDOT Vegetation Management Guidelines is to provide information necessary to maintain the Department's roadsides in a manner that will provide a safe roadway, and be aesthetically pleasing while preserving the environment and natural beauty.

2. VEGETATION MAINTENANCE BY SCDOT OR ITS AGENTS

2.1 ROUTINE MOWING

2.1.1 Purpose

Mechanical mowing is an important tool used to maintain clear zones free of obstructions and to allow vehicles, which may leave the travelway, to recover. Mowing is also important in maintaining an aesthetically pleasing appearance of roadsides for the traveling public.

2.1.2 Guidelines

2.1.2.1 General

(Generally performed May 1 -- September). All mowing operations shall be carried out in accordance with State law. Where there is a conflict between State law and SCDOT policy, State law shall govern. Mowing will generally begin on or about May 1. Selected areas may need to be mowed earlier if spring growth is rapid and vegetation growth is a safety hazard. This date may be later if spring growth is slow or if crimson clover plots have not seeded out.

In general, during the mowing season, interstates will be cut five times, and primary and secondary routes will be cut four times. The number of mowings will vary according to the growing season and available resources. Mowing heights will be no less than four (4) inches and no more than six (6) inches. (Cutting heights may be adjusted higher by the districts.) Successive cuts should begin when the grass height is approximately ten inches.

All mower blades shall be maintained in a sharp, good cutting condition. All machine mowers shall be operated in such a manner so as to prevent scalping, rutting, or other damage to the turf. Mowers are to be equipped with shields to preclude foreign objects from being thrown out from under the cutting unit housing. Tractors shall be equipped so as to conform to the prevailing Occupational Safety Health Act Standards.

2.1.2.2 Traffic Control, Signs and Sign Stands

(Refer to Typical XI & Typical XII). Traffic Control shall be required as per the latest edition of the Manual of Uniform Traffic Control Devices (MUTCD). Work shall be planned and carried out to minimize inconvenience to highway traffic.

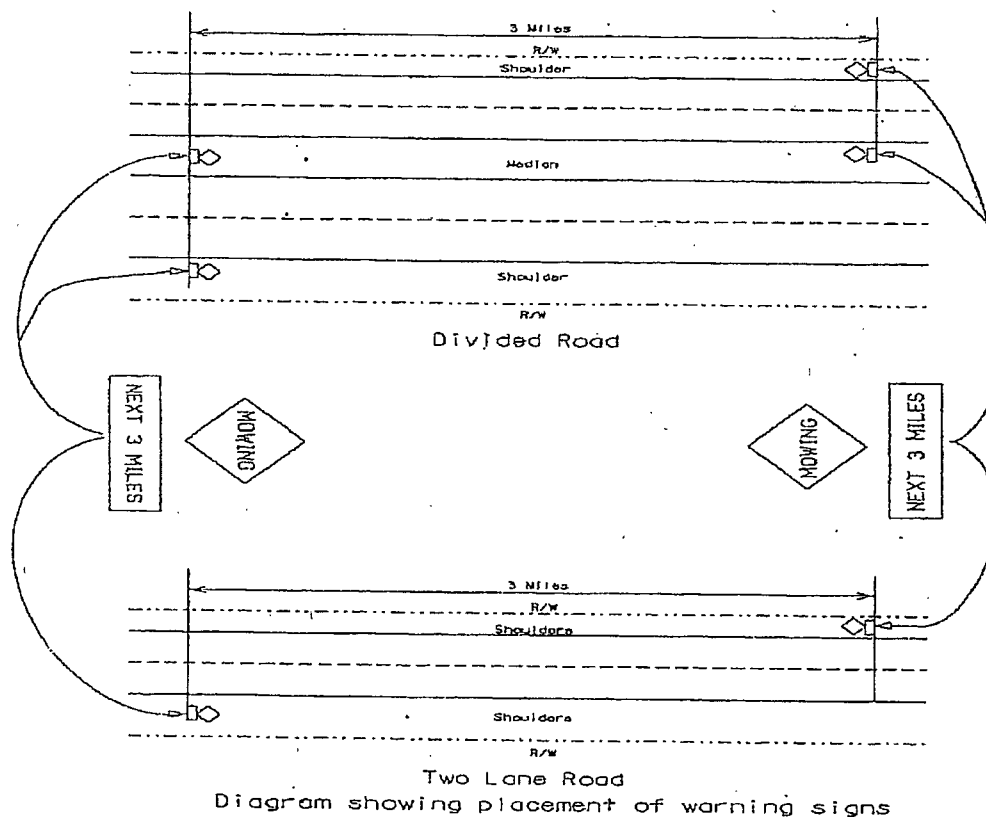
All work zone traffic control devices, except for Category IV devices, shall comply with the requirements of the National Cooperative Highway Research Program Report 350 (NCHRP Report 350). An approved products list has been developed and only those traffic control devices listed on the "Approved Products List For Traffic Control Devices In Work Zones" are acceptable. This approved products list also includes the implementation dates and any special conditions or restrictions for each device. The approved products list is available on the following intranet website: http://www.dot.state.sc.us/TrafEng/Products/NCHRP350List_ALL2.pdf

All signs mounted on portable sign supports shall have a minimum mounting height of five (5) feet from the ground to the bottom of the sign.

"MOWING" signs supplemented with Standard W7-3a-42 "NEXT 3 MILES" signs shall be used on Interstate, and on Primary, and Secondary routes greater than three miles long. Signs should be moved as necessary to remain within three miles of the mowing operations. On primary and secondary roadways less than three miles long, they will be placed within a distance determined by the crew supervisor. Flagmen, warning signs, barricades, and/or other suitable protective devices shall be placed not less than five hundred (500) feet in each direction from the work site while loading or unloading materials or equipment.

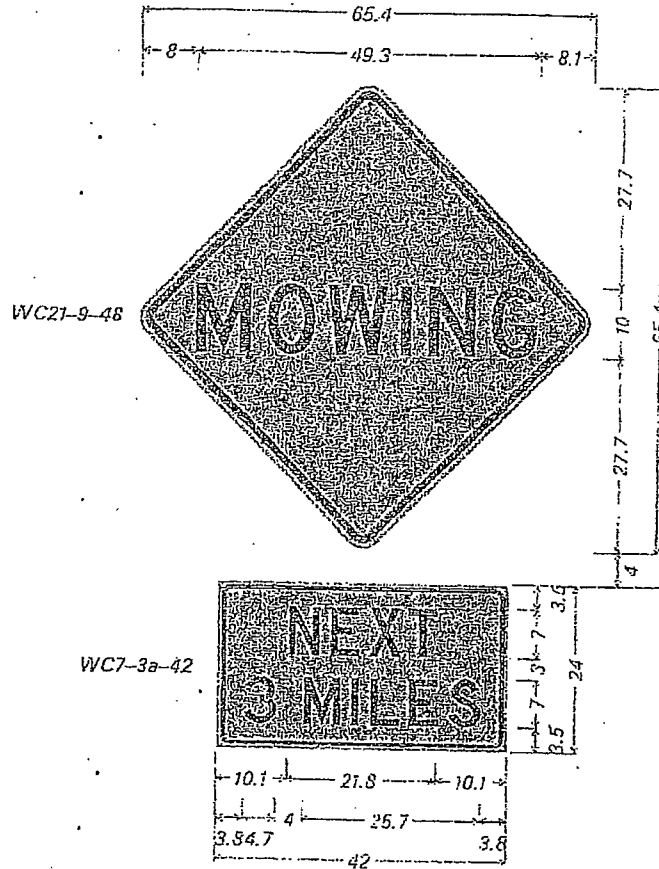
TYPICAL XI

SIGN PLACEMENT



TYPICAL XII

SIGN DETAIL



48.0" across sides 3.0" Radius, 1.3" Border, 0.8" Indent, Black on Orange;
[MOWING] D;

1.9" Radius, 0.8" Border, 0.5" Indent, Black on Orange;

[NEXT 3 MILES] D;

Table of distances between letter and object lefts.

M	O	W	I	N	G	
8.0	10.1	8.9	10.7	3.9	9.0	6.7
N	E	X	T			
10.1	6.4	5.5	5.6	4.3	18.1	
3	M	I	L	E	S	
3.8	8.7	7.1	2.7	5.6	5.6	4.7

SIGN NO.: W 21-9-48 & WC7-3a-42

Mowing operations on the interstate should be conducted such that equipment does not encroach on the travelway. On other roads, encroachment on the travelway should be held to the minimum possible to satisfactorily accomplish mowing.

A standard slow moving vehicle emblem (SMV) shall be mounted on the rear of the tractor in such a position that it can be clearly visible by vehicles approaching the mowing unit from the rear. The following will be required for each tractor unit:

- Two double-face (amber front, red rear) flashing lights prominently mounted on the rear wheel fenders
- One top-mounted amber revolving light or flashing neon light visible from both directions. If a canopy is not used, the light shall be mounted on a mast suitably attached to the tractor frame at an elevation slightly higher than the roll bar
- A sign reading "MOWING" on the rear of the unit. The sign shall be black legend on an orange non-reflectorized background with minimum eight-inch series C letters. In addition to the above, the fifteen-foot mower shall have a red flag near the outer edge of each bat wing on a three-foot long or greater staff.

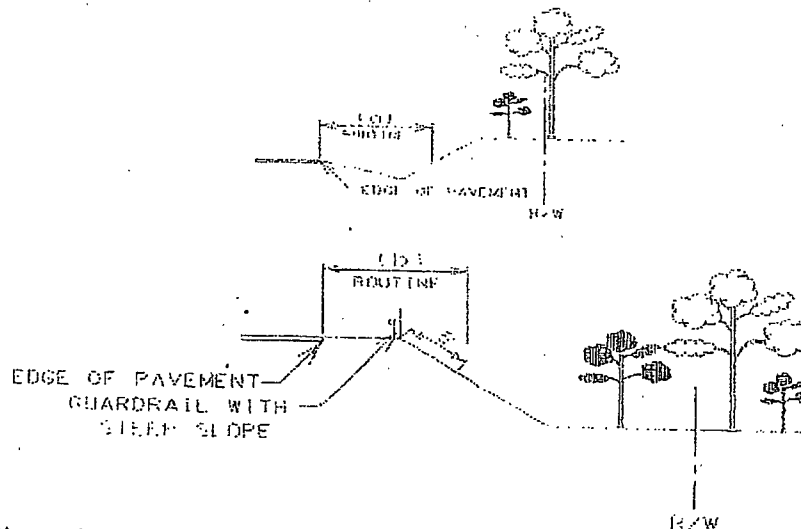
2.1.2.3 Interstate Routes

Interstate routes are designed for higher speeds and should have sufficient clear zones free of obstructions to allow for vehicles that may leave the travelway to recover.

2.1.2.3.1 Interstate Shoulder

As shown in Typical 1, interstate shoulders may be mowed up to thirty feet from the edge of pavement. If fill slopes or backslopes are steep, one swath of the mower or a minimum of five feet will be mowed on these slopes. Wildflower plots may be mowed as a means of controlling weeds or for dispersal of mature wildflower seeds. Wildflower plot perimeters may be maintained by one mower swath.

TYPICAL I INTERSTATE SHOULDER



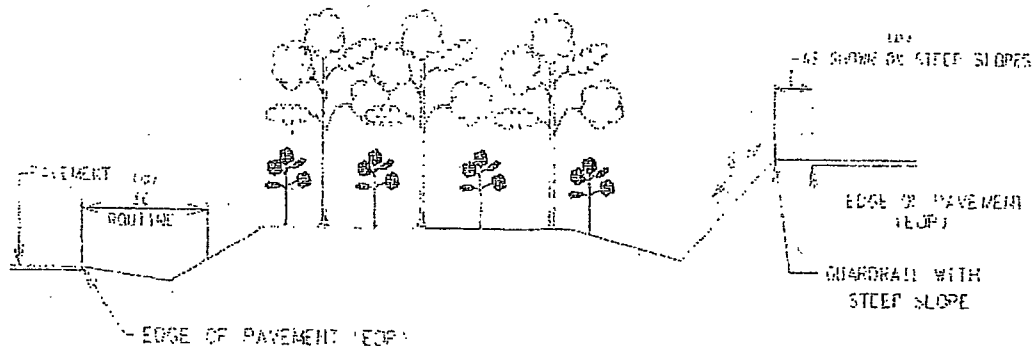
(a) Routine mowing will be a maximum distance of thirty (30) feet from the edge of pavement where slopes permit. Where slopes are steep, mow to the slope and one swath of the mower or not less than five (5) feet on the slope.

(b) Where steep slopes exist and guardrail is present, routinely mow beyond the guardrail and a minimum of five (5) feet of the steep slope, no more than thirty (30) feet total.

2.1.2.3.2 Interstate Median

As shown in Typical II, interstate medians are to be mowed thirty feet, from the edge of the existing pavement. Steep cut or fill slopes shall be treated the same as cut and fill sections described in Section 2.1.2.3.1, *Interstate Shoulder*. Wildflower plots may be mowed as a means of controlling weeds or for dispersal of mature wildflower seeds. Wildflower plot perimeters may be maintained by one mower swath.

TYPICAL II INTERSTATE MEDIAN



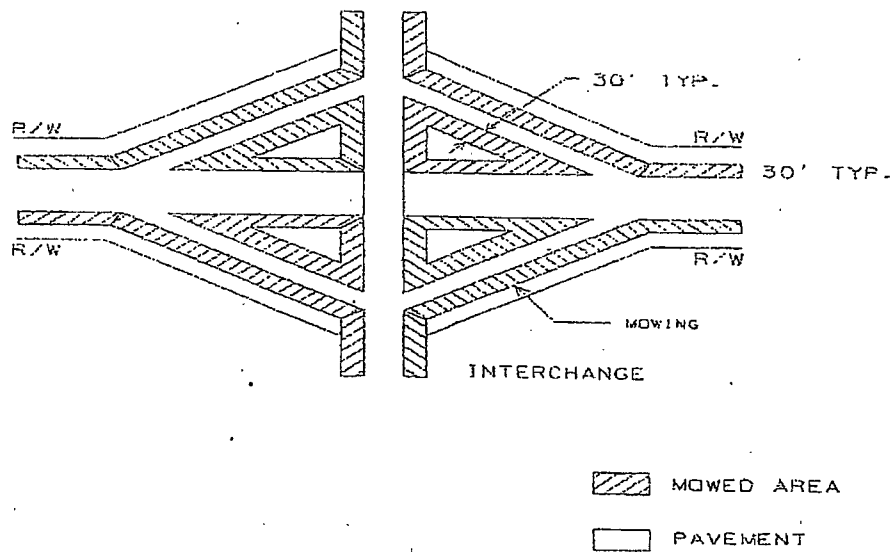
(a) Routine mowing will be a maximum distance of thirty (30) feet from the edge of pavement where slopes permit. Where slopes are steep, mow to the slope and one swath of the mower or not less than five (5) feet on the steep slope.

(b) Where steep slopes exist and guardrail is present, routinely mow beyond the guardrail and a minimum of five (5) feet of the slope, no more than thirty (30) feet total.

2.1.2.3.3 Interstate Interchange

As shown in Typical III, interstate interchange mowing includes the outer-most ramp and the identified mowing area between the ramp, the mainline, and crossing route. Mowing shall be limited to thirty (30) feet from the edge of the pavement.

TYPICAL III INTERSTATE INTERCHANGE



2.1.2.3.4 Interstate Guard Rail and DOT Structures

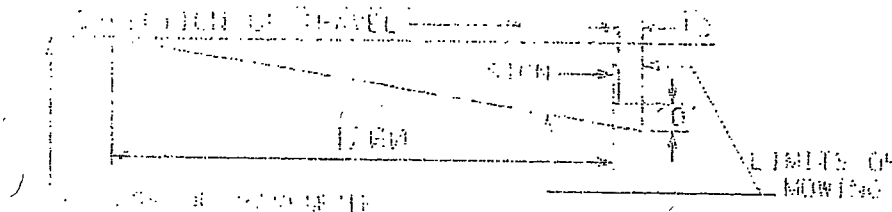
Vegetation under and around guardrail, cable rail, and posts within the mowing limits shall be mowed when roadside (shoulder and median) mowing is completed on that section of road unless it is uniform in height to the surrounding mowed vegetation. When mowing is required around or under guardrail and DOT structures, it shall be performed within seven (7) calendar days of roadside mowing adjacent to that structure. Trapped areas between guardrail or cable rail gores shall be maintained to the mowing limits. Guardrail or DOT structures within the mowing limits with a steep back slope shall be maintained to the steep slope and a minimum of five (5) feet on the steep slope.

2.1.2.3.5 Information and Guide Signs

Mowing at information and guide signs shall be in accordance with Typical IV and performed with all routine mowing cycles regardless of slope, guardrails, fence, cable rails and/or other DOT structures.

Interstate mainline sign locations shall be cleared to allow full view by approaching motorists for a minimum distance of 1,200 feet. Ramp panels shall be cleared to provide maximum sight distance.

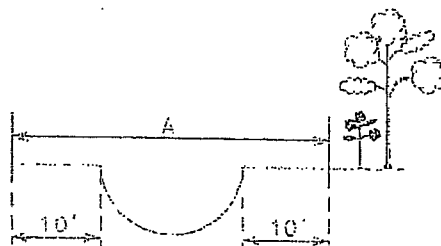
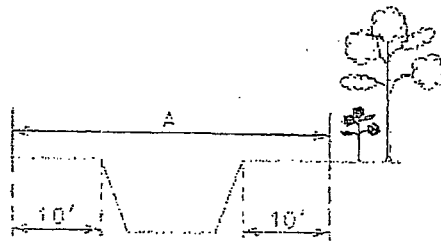
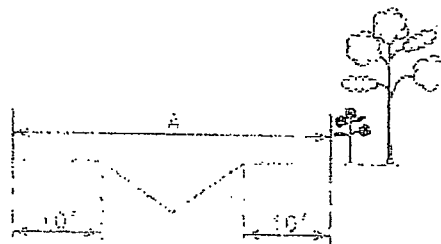
TYPICAL IV SIGHT DISTANCE MOWING FOR INFORMATION / GUIDE SIGN



2.1.2.3.6 Interstate Ditch Mowing

Clearly defined drainage ditches that have been constructed along the interstate system will be mowed annually in order to maintain proper drainage. This will consist of mowing the entire ditch and ten (10) feet on each side of the ditch as shown in Typical V.

TYPICAL V DITCH MOWING – INTERSTATE ROUTES



A) DITCH MOWING CONSISTS OF MOWING THE DITCH
AND 10 FEET ON EACH SIDE OF THE DITCH.

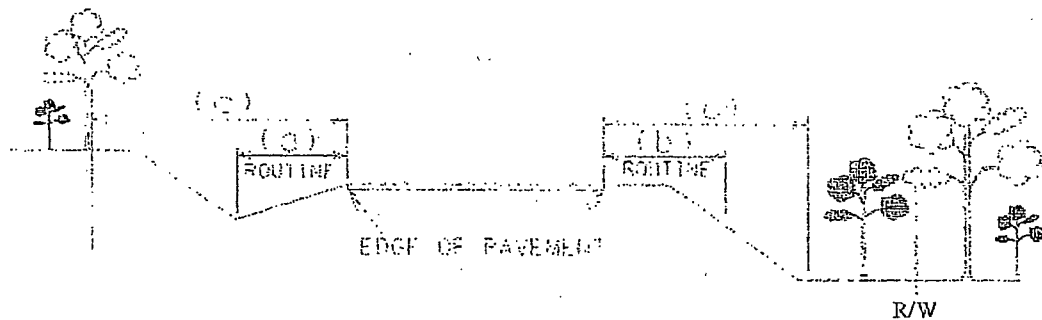
2.1.2.4 Primary and Secondary Routes

Primary and secondary routes should have sufficient clear zones free of obstructions to allow for vehicles that may leave the travelway to recover.

2.1.2.4.1 Primary and Secondary Shoulders

Mow primary and secondary shoulders from the edge of pavement including the front slope of the ditch to the bottom of the ditch where the cross-section will permit. Mowing shall include sight areas and any other area necessary for safety. If fill slopes or back slopes of the shoulder are steep, mow to the steep slope and one (1) swath of the mower or a minimum of five (5) feet on the steep slope as shown in Typical VI.

TYPICAL VI PRIMARY AND SECONDARY SHOULDERS



(a) Routine mowing: Mild slopes - Mow entire shoulder and front slope of the ditch.

(b) Routine mowing: Steep slopes - Mow entire shoulder and a minimum of five (5) feet on the steep slope.

(c) Clean-up mowing: Mow entire established mowing pattern or to the right-of-way line.

2.1.2.4.2 Primary and Secondary Medians

The entire median of primary and secondary routes shall be mowed from the edge of the pavement unless a cut or fill slope is involved. If fill slopes or back slopes of the median are steep then mow to the steep slope and one (1) swath of the mower or a minimum of five (5) feet on the steep slope.

2.1.2.4.3 Primary and Secondary Guard Rail and DOT Structures

Vegetation under and around guardrail, cable rail, posts and/or other DOT structures within the mowing limits shall be mowed when roadside (shoulder and median) mowing is completed on that section of road unless it is uniform in height to the surrounding mowed vegetation. When mowing is required around or under guardrail and DOT structures, it shall be performed within seven (7) calendar days of roadside mowing adjacent to that structure. Trapped areas between guardrail or cable rail gores shall be maintained to the mowing limits. Guardrail or DOT structures within the mowing limits with a steep back slope shall be maintained to the steep slope and a minimum of five (5) feet on the steep slope.

2.1.2.4.4 Primary and Secondary Clean-up Mowing

Clean-up mowing shall include the area established for routine mowing and extends beyond these limits to established mowing patterns or right-of-way lines whichever is less. The established mowing pattern is the area with vegetation less than three (3) inches in diameter. All vegetation shall be mowed to a uniform height of no less than four (4) inches and no more than six (6) inches. All machine mowers shall be operated in such a manner so as to prevent scalping, rutting, or other damage to the turf.

2.2 RIGHT-OF-WAY CLEARING

2.2.1 Purpose

Right-of-way clearing is used to control vegetation in areas between the limit of routine mowing and the remaining right-of-way.

2.2.2 Guidelines

(Generally performed January 1 - December 31). Right-of-way clearing may be performed on non-interstate routes. On non-interstate routes, the areas outside routine mowing areas should be cut on a yearly basis, as resources permit. When performing this work, mechanical mowers must remain parallel to the slope or existing ground. All machine mowers shall be operated in such a manner so as to prevent scalping, rutting or other damage to the turf.

On interstates there will be no right-of-way clearing beyond the routine mowing limits except to maintain ditches.

Right-of-way clearing will be accomplished regardless of slope, fence, guardrails, cable rails, posts, and/or other DOT structures.

Right-of-way clearing shall include the chipping of debris in place or removal and disposal within five (5) business days. All chipped debris shall be either removed from site or scattered to a maximum depth of six (6) inches. Chipped debris shall not be left in front of residential or business areas and shall be removed within seventy-two (72) hours. All chipped debris shall be less than one (1) foot in length and less than three (3) inches in diameter.

Trees or woody vegetation over three (3) inches shall be cut to ground level with a clean cut. No stumps shall protrude above ground level, however they do not have to be ground off. All vegetation other than trees shall be mowed to a uniform height of no less than four (4) inches and no more than six (6) inches.

Damaged slopes will be required to be reshaped and damaged areas reseeded as stated in the current edition of *SCDOT Standard Specifications for Highway Construction*.

Adequate provisions shall be made for the protection of the highway traffic at all times. The clearing operation shall obtain access to the work area from the frontage road when possible. If not possible, access shall be designated by the Engineer. All traffic control shall conform to the Manual of Uniform Traffic Control Devices (MUTCD). The primary route or interstate highway will not be affected by this work and no lanes on the primary route or interstate will be closed during the tree and brush removal. The work shall be planned and carried out so that there will be the least possible inconvenience to the highway traffic.

2.3 BRIDGE VEGETATION MOWING

2.3.1 Purpose

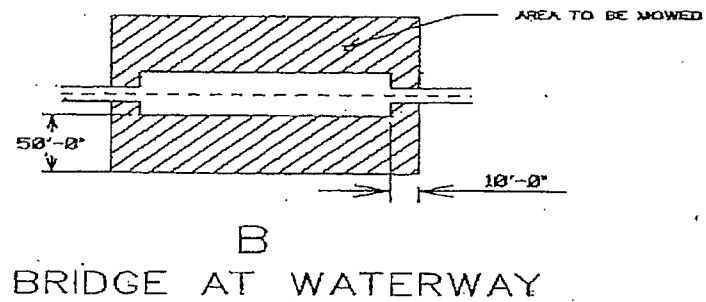
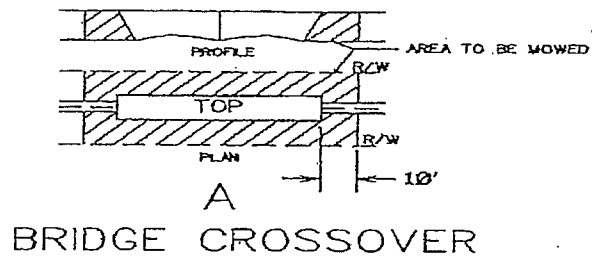
Bridge vegetation mowing is used to control non-ornamental vegetation occurring at bridges.

2.3.2 Guidelines

(Generally performed January 1 – December 31). Natural (non-ornamental) vegetation occurring at bridges shall be maintained in accordance with Typical VIII. Bridge vegetation mowing will be accomplished regardless of slope, guardrails, fence, and cable rails. All vegetation shall be mowed to a uniform height of no less than four (4) inches and no more than six (6) inches. All equipment mowers shall be operated in such a manner so as to prevent scalping, rutting or other damage to the turf.

Bridge crossover vegetation growth will be controlled to limit vegetation to grasses and low-growing plants from ten (10) feet beyond the end of the bridge to the toe of the slope beneath the bridge.

TYPICAL VIII BRIDGE VEGETATION MOWING



2.4 FENCE CLEARING

2.4.1 Purpose

Clearing fences of vegetation is necessary to protect the integrity, performance and life of the fence.

2.4.2 Guidelines

(Generally performed January 1 – December 31) Vegetation at fences shall be maintained in accordance with Typical IX. This will consist of clearing the entire fence of vegetation and (10) ten feet toward the adjacent interstate or primary route. This work will be accomplished regardless of slope, fence, guardrails, cable rails, or vegetation size. All machine mowers shall be operated in such a manner so as to prevent scalping, rutting or other damage to the turf. All equipment mowers shall be operated in such a manner so as to prevent damaging the fence.

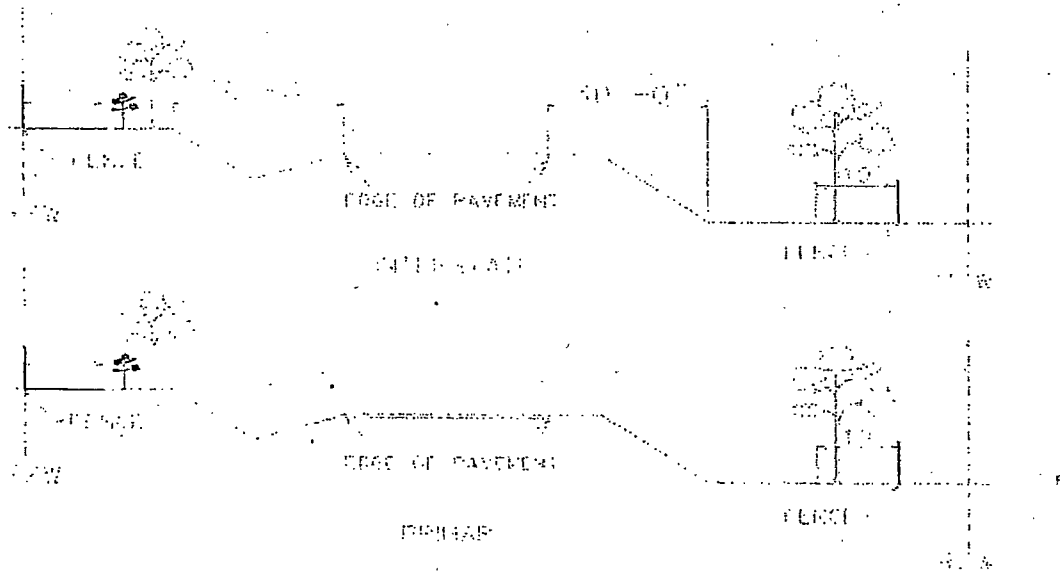
Chipped debris shall be either removed from site or scattered to a maximum depth of six (6) inches. All chipped debris shall be less than one foot in length and less than three (3) inches in diameter. All vegetation less than three inches in diameter shall be mowed to a uniform height of no less than four (4) inches and no more than six (6) inches.

Trees/woody vegetation over three (3) inches in diameter shall cut to ground level with a clean cut. No stumps shall protrude above ground level, however they do not have to be ground off.

Adequate provisions shall be made for the protection of the highway traffic at all times. The clearing operation shall obtain access to the work area from the frontage road when possible. The primary route or interstate highway will not be affected by this work and no lanes on the primary route or interstate will be closed during the fence clearing or debris removal operation.

Fence damaged during this operation shall be repaired or replaced in accordance with SCDOT standards.

TYPICAL IX FENCE CLEARING



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2.5 TREE MAINTENANCE

2.5.1 Purpose

Trees along roadways are to be maintained in a safe manner for the protection of the traveling public.

2.5.2 Guidelines

2.5.2.1 General

(Generally performed January 1 – December 31). Tree maintenance should be performed so as to preserve roadway features. However, special procedures must be followed prior to the commencement of any right-of-way operations that would include the removal of significant trees. Significant trees are considered to be mature hardwoods or flowering trees such as dogwoods or other ornamentals. Significant hardwoods are generally considered to be those with a caliper of twenty-four (24) inches or greater, but trees of smaller caliper around residences may be considered significant and should be treated accordingly. Every reasonable alternative should be considered prior to removing a significant tree. When an alternative is not available, the Resident Maintenance Engineer will make personal contact with the adjacent property owner whenever possible prior to the removal of any such tree from the right-of-way. Personal contact is understood to mean contact in person or by telephone. The property owner should always be informed as to the reasons for removing these trees.

Where possible, bridge sites should be maintained free of non-ornamental trees for the entire length of the bridge opening from right-of-way to right-of-way, or a fifty-foot limit where the right-of-way is greater than fifty feet from the outside edge of the bridge.

Tree trunks should not be allowed to encroach into clear zones.

Trees should not be allowed to grow in ditches.

Dead or diseased trees located on or off the right-of-way, which may fall onto the travel surface of the roadway, should be removed.

2.5.2.2 Limb Trimming

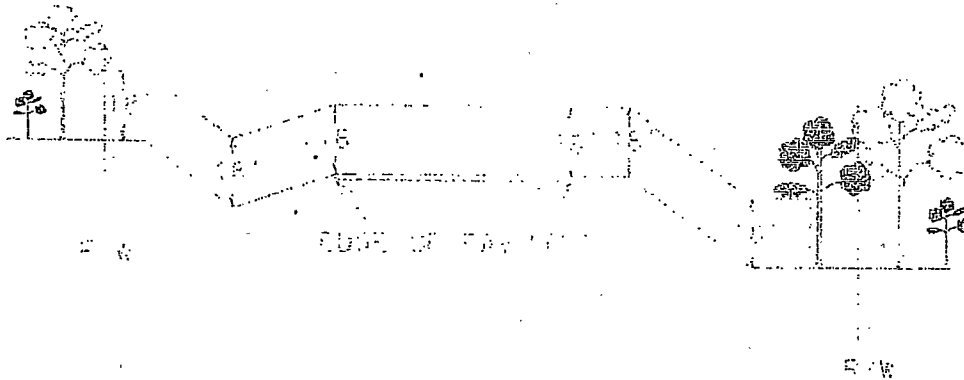
(Generally performed January 1 – December 31). The Engineer shall review all limb trimming locations for environmental concerns prior to work being performed. Limb trimming will be performed to maintain vertical clearance of eighteen (18) feet from the paved surface of the roadway or ground elevation of the shoulder or slope continuously to the tree line or right-of-way, whichever comes first as shown in Typical X. Trimming may also be performed to lesser heights beyond the shoulders to allow for the safe operation of equipment beneath the limbs for mowing, ditch maintenance, etc., up to ten (10) feet. Trimming will be performed to provide for clear sight distances. *Refer to the Typical Drawing IV for exceptions to trimming limits for Information and Guide Signs (Section 2.1.2.3.5).*

The equipment used for limb trimming shall leave a clean, neat cut. No rotary mower shall be used for limb trimming.

The limb trimming operation shall include the chipping of limbs in place or removal and disposal within five (5) business days. All chipped debris shall be either removed from site or scattered to a maximum depth of six (6) inches. All chipped debris shall be less than one (1) foot in length and less than three (3) inches in diameter.

Operations shall comply with applicable Occupational Safety and Health Administrations (OSHA) standards as well as state regulations.

TYPICAL X LIMB TRIMMING



2.6 HERBICIDES

2.6.1 Purpose

Herbicides may be used to control undesirable roadside vegetation.

2.6.2 Guidelines

Guidelines for approved herbicide products and applications are available in the most current edition of the *SCDOT Herbicide Operations Manual*. Respective herbicide labels and Material Safety Data Sheets (MSDS) are available via a link on the Director of Maintenance's IRVM intranet webpage.

No bare ground treatments are permitted.

Brownout should be minimized.

2.7 TURF CONVERSION

2.7.1 Purpose

Turf conversion replaces Bahiagrass along rights-of-way with Bermuda grass or Centipede grass. Bahiagrass, a species common to many areas of South Carolina, is one of the primary reasons necessitating mowing rights-of-way. The prolific nature of Bahiagrass can quickly and severely impede a motorist's safe distance of visibility. Bermuda grass and Centipede grass grow much lower to the ground than Bahiagrass thus maintaining safe visibility levels for drivers and potentially reducing the number of mowing cycles needed throughout the season.

2.7.2 Guidelines

All guidelines for turf conversion will conform to the most current edition of the *SCDOT Standard Specifications for Highway Construction*. The *SCDOT Herbicide Operations Manual* provides guidelines for herbicide applications for turf conversion.

Where suitable, maintenance offices should consider converting roadside Bahiagrass to species that require less frequent mowing. The Director of Maintenance Office will provide additional guidelines as needed.

3. BEAUTIFICATION/ENHANCEMENTS BY SCDOT OR ITS AGENTS

3.1 WILDFLOWERS

3.1.1 Purpose

Wildflowers play a significant role in the SCDOT Vegetation Management Program. Wildflowers aid in maintaining roadside areas, provide vibrant color in areas and may reduce driver boredom and fatigue along interstates.

3.1.2 Guidelines

Site selection is important to the future success of wildflower plantings. Wildflower plots are selected based on traffic volume, visibility, and geographical area. Sites should be large enough to accommodate equipment. Sites to be avoided include areas with steep slopes, narrow medians and ditches. Plots are generally along interstates and major highways and should be approved by the district, Resident Maintenance Engineer, and a representative from the Director of Maintenance Office. Species will be determined by the Director of Maintenance Office.

3.2 COLORFUL SPACES

3.2.1 Purpose

The Colorful Spaces Program is a volunteer program that allows SCDOT employees to enhance (i.e., landscape) roadside sites in the county where their respective office is located. Landscaping is an alternative for managing and improving vegetation on roadsides in South Carolina.

3.2.2 Guidelines

All Colorful Spaces plantings must adhere to SCDOT standards, setbacks, and guidelines for landscaping included in the Department's *Access and Roadside Management Standards*. The Director of Maintenance office will provide information annually regarding the program.

4. BEAUTIFICATION/ENHANCEMENTS BY NON-SCDOT ENTITIES

4.1 Purpose

SCDOT has initiated roadside vegetation management programs to allow non-SCDOT entities to beautify and enhance the State's highways. An encroachment permit is required for any vegetation management activity performed by non-SCDOT entities.

4.2 Guidelines

4.2.1 Beautification Projects

SCDOT encourages beautification of roadsides. Proposed landscaping projects must be submitted on an *Application for Encroachment Permit- SCDOT Form 638* to the local Resident Maintenance Engineer in the respective county where the landscaping is to occur. A landscaping plan must be included with the application (i.e., scaled drawing) detailing all pertinent information including but not limited to:

- A plant materials list with common and botanical names
- Projected mature caliper
- Height and spread of the plants
- Plant quantities, approximate planting location, and approximate location of existing vegetation and other site elements
- Location and speed limit of the highway, and outdoor advertising sign (billboard) locations

The plan must be designed by a registered landscape architect or other qualified designer. Plans with extensive landscaping should have an irrigation system. Applicants shall furnish, install, and maintain all plantings. All plans must adhere to the guidelines for landscaping included in the Department's *Access and Roadside Management Standards*. Plans should be sensitive to the visibility of existing businesses and outdoor advertising. Plantings that have the potential to block permitted outdoor advertising signs are prohibited. District outdoor advertising coordinators must review plans that include outdoor advertising sign (billboards) locations.

The Resident Maintenance Engineer shall forward the application packet to their respective district for review. If the district concurs, the application shall then be submitted to the Director of Maintenance Office. The Director of Maintenance Office will seek advisement as necessary from the Office of Beautification Programs. Upon review by the Director of Maintenance Office, the application will be returned to the respective district with recommendations and a letter of concurrence or rejection. The district will review again before forwarding to the county maintenance office. No work will be allowed until the formal permit is approved by the Department and returned to the applicant. Special provisions may be stated in the encroachment permit application as per the discretion of the reviewers.

4.2.2 Adopt-an-Interchange Program

Through the Adopt-an-Interchange Program, SCDOT partners with local government entities to enhance interchanges in their communities. These locations include key interstate interchanges and other controlled-access roadway interchanges. Adopt-an-Interchange is a matching funds program. The program may reimburse up to eighty (80) percent of the allowable expenditures for an approved project. The applicant must provide the remaining twenty (20) percent through direct funds, donated materials, or in-kind services that meet federal and program guidelines. The application process for the Adopt-an-Interchange Program will be administered by the Department's landscape architect in the Preconstruction Office. Applications will be accepted throughout the year and awarded in order of receipt until funds are exhausted.

- 4.2.2.1 If the applicant's interchange is within one of the State's ten metropolitan areas, the application must be submitted to the Metropolitan Planning Organization (MPO). The proposed project should be evaluated and approved by members of the MPO (primarily elected officials) and funded in the area's transportation improvement program (TIP). Once placed in the TIP, applications for Adopt-an-Interchange will be used to verify eligibility and prepare contracts. All applicants (both urban and rural areas) should include a letter from the local Resident Maintenance Engineer. This letter should say that the work appears to be feasible under our encroachment process. An encroachment permit will be required prior to the start of any landscaping work. The applicant must agree to long-term maintenance for landscaping and irrigation.
- 4.2.2.2 The most recent Adopt-an-Interchange application form must be used. Wherever possible, the space available on the application form should be used to provide the requested information. If information is attached, it must be provided in a format that can be easily copied. Also, applications must be unbound so they can be copied.
- 4.2.2.3 Enough detail must be provided in the project description so that the project can be clearly understood.
- 4.2.2.4 Supplemental information that gives a clearer picture of the impact of the project may be included, but additional information should be limited to phases of the project that are relevant to the spending of the funds sought.
- 4.2.2.5 At least one of the applicants must be a public agency, and the application must include a certification signature of a person with authority to commit that public agency to a contract.
- 4.2.2.6 Sources of matching funds must be indicated.
- 4.2.2.7 Funds spent prior to execution of the contract are not eligible for reimbursement and cannot be counted toward matching funds.
- 4.2.2.8 Project cost estimates must contain enough detail that the various cost elements of the project are clear. Detailed estimates on page 4 of the application, the "Project Cost" sheet, must be consistent with the cost shown on page 8, the "Funds Requested" sheet.

- 4.2.2.9 If work is proposed on or adjacent to a facility currently open to use by the public, an estimate of the amount needed to provide traffic control (signs, barriers, cones, temporary markings, etc.) during construction (or planting) should be provided.
- 4.2.2.10 The landscape plans, designed by a registered landscape architect, and a cost estimate should be included with the application. Plans will be reviewed by the SCDOT landscape architect for compliance and final approval will be determined by the Deputy State Highway Engineer. The applicant is responsible for the long-term maintenance and irrigation of the landscaped interchange. Plantings that have the potential to block permitted outdoor advertising signs are prohibited.

5. INTERSTATE COMMERCE VEGETATION

5.1 Purpose

Commercial and industrial development exists and is continuing to develop adjacent to controlled access highways. To enhance this development, SCDOT will allow controlled vegetation management on its rights-of-way to make these businesses more visible.

5.2 Guidelines

- 5.2.1 An encroachment permit (SCDOT Form 638) will be required. All work must be completed within 12 months from the date the permit is issued.
- 5.2.2 The application must clearly state the extent of the work to be performed.
- 5.2.3 Only established commercial and industrial businesses or those under construction will be allowed to participate in this program. Outdoor advertising sign locations shall be excluded. Establishments that participate in this program shall not be allowed to qualify for off-premise advertising.
- 5.2.4 The extent of the area to be enhanced shall be limited to the right-of-way that immediately borders the applicant's property that is adjacent to the controlled access roadway (i.e., interstate). (Property line to property line and abutting the right-of-way line) that will allow full view of the business by motorists using the mainline of the interstate route as determined by the Department. Should this distance extend beyond the applicant's property line, the applicant must secure written permission from the adjacent abutting property owner(s) to enhance this extended distance.
- 5.2.5 No enhancement will be allowed within thirty feet of the edge of the interstate pavement mainline or ramps.

- 5.2.6 A performance and indemnity bond in the amount of \$5,000.00, or an equivalent guarantee as approved by the Department, is required, along with a completed SCDOT Performance and Indemnity Bond Form 672A (See Appendix 9.3). The bond or approved equivalent is to guarantee the completion of the work in accordance with the approved encroachment permit. The bond will be kept in the respective Resident Maintenance Engineer's office. When an approved guarantee other than a performance bond is accepted, such as a money order or cashier's check, it shall be promptly submitted using Form 3025A in the usual manner. The following entry should be made thereon: "To be deposited in Special Account Number 3900.950." When the work is successfully completed a Form 608 shall be submitted to reimburse the permittee, using the above account number as the charge code. The paperwork will be performed at the county level.
- 5.2.7 The degree of visibility enhancement allowed and subsequent replacement vegetation required will be determined on a case-by-case basis by the Department. In general, the degree of visibility enhancement allowed shall be limited to the removal of vegetation such as vines from controlled access fences, limbing of trees, removal of selected insignificant trees, and removal of underbrush. Assessment of significant trees will be conducted by the Department with the final determination administered by the Director of Maintenance Office. Every effort should be made to retain as many trees as possible. Limbing shall be performed as per the tree pruning and trimming methods stated in Section 2.5.2.2. In no case shall trees be limbed above a height of ten (10) feet from the existing ground surface. In order to prevent re-growth and subsequent creation of brush, trees approved for removal shall be cut flush with the existing soil surface, and the stumps removed or ground two (2) inches minimum below the existing soil surface, or chemically treated with an approved herbicide as specified in the encroachment permit. (Refer to Section 2.6 for herbicide guidelines.) The applicant should exercise care to not damage remaining vegetation while removing approved vegetation. All vegetative debris shall be removed and disposed of off-site by the applicant. Should the controlled access fence be in unsatisfactory condition after the approved work is completed, the applicant will be required to repair or replace the fence according to SCDOT standards. The fence shall not be down when workers are not on site.
- 5.2.8 No work shall be accomplished from the mainline side of the controlled access facility. Ingress and egress from the work area shall be made from private property and shall be so stated on the "Application for Encroachment Permit."
- 5.2.9 The applicant must adhere to State law(s) regarding interstate mowing.

5.3 Procedures

5.3.1 The property owner must contact the local SCDOT maintenance office to obtain an encroachment permit application.

5.3.2 The representative of the local SCDOT maintenance office and the applicant shall make an initial on-site inspection to determine the extent of the work to be performed within the right-of-way. During the initial site inspection, the county SCDOT representative shall document the existing vegetation and shall obtain digital images of the area. If no trees will be removed, the local SCDOT maintenance office may proceed with acceptance of the application and approval of the permit. In this case, the application packet shall comprise the following:

- Encroachment permit application
- Sketch of the encroachment (right-of-way) area. At a minimum, the sketch must indicate the interstate route, the location of the business, the location of the controlled access fence, the location and dimensions of the affected right-of-way area, and location of outdoor advertising signs
- Performance and indemnity bond
- Performance and indemnity bond form
- Record of existing vegetation.

5.3.3 If it is determined that the applicant desires to remove trees, the local SCDOT maintenance office shall notify the respective district office. If the district concurs, the district shall contact the Director of Maintenance Office to arrange a subsequent site visit.

Persons present at this site visit shall include the applicant, the Resident Maintenance Engineer (or designee), a district representative, and a representative of the Director of Maintenance Office. The degree of visibility enhancement allowed as well as requirements for replacement vegetation and shall be determined during this site visit by the SCDOT representatives. Once the extent of the work is agreed upon, the applicant shall then submit to the local SCDOT maintenance office:

- Encroachment permit application.
- Sketch of the encroachment (right-of-way) area. At a minimum, the sketch must indicate the interstate route, the location of the business, the location of the controlled access fence, the location and dimensions of the affected right-of-way area, and location of outdoor advertising signs
- Performance and indemnity bond
- Performance and indemnity bond form
- Landscaping plan (i.e., replacement vegetation plan where needed, as determined by the Director of Maintenance representative). The landscaping plan must adhere to the guidelines in the most current edition of *SCDOT Access and Roadside Management Standards* and Section 4.2.1 of this document.
- If the applicant desires to perform additional maintenance at the area, the applicant will need to enter into a maintenance partnership agreement (See Section 7). The applicant shall notify the local SCDOT maintenance office at least twenty-four (24) hours prior to performing maintenance within the right-of-way area.

- 5.3.4 The local SCDOT maintenance office shall review the application package, then forward it to the respective district for review. Upon review and concurrence by the district, the package shall be forwarded to the Director of Maintenance Office for review. In the event that a landscaping plan is required by SCDOT, the Director of Maintenance Office will consult with the Department's landscape architect for review of the plan. Upon review by the Director of Maintenance Office representative, the application package shall be returned to the district with recommendations and a letter of concurrence or rejection. The district will review again before forwarding to the local SCDOT maintenance office for final approval or rejection. NOTE: Special provisions may be stated in the encroachment permit application as per the discretion of reviewers.
- 5.3.5 Upon approval of the permit, the applicant and the county SCDOT representative shall visit the site and set the boundaries as indicated on the permit. At this on-site meeting, the county SCDOT representative will give the approval to proceed with the removal of the vegetation and subsequent landscaping as stated in the permit. All trees that are to remain shall be clearly flagged.

6. OUTDOOR ADVERTISING VEGETATION

6.1 Purpose

In an effort to maintain highway beautification in conjunction with proper land maintenance and to acknowledge the advertising industry's desire to maintain advertising displays, SCDOT will continue its vegetation maintenance program for Outdoor Advertising signs located adjacent to interstates and freeway primary federal-aid highways constructed to controlled access standards as defined by the Highway Advertising Control Act.

6.2 Guidelines

6.2.1 Scope

In accordance with the authority of Section 57-25-140, all sign owners with outdoor advertising signs adjacent to South Carolina interstates and freeway primary federal-aid highways constructed to controlled access standards, who wish to maintain vegetation within SCDOT'S right of ways, will be required to comply with this policy for vegetation maintenance. Cooperation from these owners will be necessary to insure consistent maintenance of SCDOT right of ways.

6.2.2 Policy

6.2.2.1 Each location will be allowed a 500' longitudinal working area from each sign facing. The sign owner will develop a vegetation maintenance plan for this area. This plan may include a 300' clear-cut window within the 500' working area. This will allow the applicant to determine the most advantageous area to be cut to allow for the best visibility of the sign. However, SCDOT will review each application and reserves the right to determine the final location of the 300' window within the working area.

6.2.2.2 Any sign owner who wishes to cut vegetation on SCDOT right of ways will be required to apply for a permit and enter into a contract with SCDOT to participate in the vegetation program. Signs will be allowed to participate in this program once they have been in existence over two (2) years pursuant to Regulation 63-350(D). Regulation 63-350(D) prohibits vegetation maintenance in front of signs that have been permitted less than two (2) years.

6.2.2.3 The initial participation fee will be a non-refundable \$200.00 assessed for each location cleared. Thereafter, a non-refundable, minimum fee of \$200.00 to recover cost associated with maintaining each location will be assessed for each vegetation permit under this program. This fee may increase each year depending upon actual maintenance costs. These fees will be due September 1st of each year. One notice for remittance will be sent to each permittee/participant thirty (30) days prior to the due date. Any vegetation fee unpaid on October 1st will cancel the vegetation permit. Vegetation contracts are renewed annually with receipt of the assessed vegetation fee due September 1st.

6.2.2.4 Between August 1, 2005 and August 31, 2005 owners had the opportunity to withdraw permits from the program. Owners who did not withdraw by August 31, 2005 were required to remain

active. Owners who elected to withdraw permits from the program will not be able to re-permit their cancelled vegetation permits until September 1, 2010. The re-entry fee will be based on the averaged cost to maintain all locations at that time. Thereafter, a non-refundable, averaged annual fee to recover costs associated with maintaining each location will be assessed for each vegetation permit under this program. This fee may increase each year depending upon the actual maintenance cost. The 500-foot window may be adjusted on vegetation permits that exited the program before August 31, 2005 and are re-permitted after September 1, 2010.

- 6.2.2.5 Sign owners will be responsible for the costs and performance of the initial cutting and clearing of each sign location. After the initial cutting of all locations, SCDOT will be responsible for maintaining the locations during the contract period. This mowing will be in conjunction with the routine maintenance of the right of ways. Vegetation such as vines and small trees will be cleared from the fence adjacent to the 300' clear-cut window. Should the fence be in unsatisfactory condition after the clearing, the applicant will be required to repair or replace the fence.
- 6.2.2.6 SCDOT will use Vegetation Application Form 603, which will be required for each vegetation maintenance location. A comprehensive plan detailing the work to be performed must accompany each application. All information provided above the sketch block and description of work block must be typed.
- 6.2.2.7 It will be necessary for each applicant to submit a Performance and Indemnity Bond equal to or greater than the amount of their proposed contracted work for each location to be cut. A secured line of credit set up payable to SCDOT covering all work will also be acceptable. Also, new applicants must possess a Certificate of Insurance for general liability with limits not less than \$500,000.00 each occurrence, \$500,000.00 aggregate for bodily injury, and \$500,000.00 each occurrence, \$500,000.00 aggregate for property damage. The applicant shall name SCDOT as an additional named insured. A copy of the additional named insured endorsement must accompany the Performance and Indemnity Bond.
- 6.2.2.8 A standardized SCDOT Performance and Indemnity Bond form will be used to assist SCDOT in processing applications as quickly as possible. Bonds will be of an amount to cover ALL work to be done in conjunction with the submitted contract.
- 6.2.2.9 Only sign locations that are visible at the time of installation will be allowed to participate in the vegetation maintenance program upon their two-year anniversary of erection.
- 6.2.2.10 Any areas that may be deemed "protected corridors" by SCDOT will be reviewed by SCDOT to determine if vegetation maintenance will be feasible and limitations may be established before vegetation permits are issued. Planting of some type of vegetation consistent with the preservation of the corridor may be required at SCDOT's discretion.
- 6.2.2.11 Sign locations that cannot be accommodated under these specifications will be reviewed by SCDOT for resolution on a case-by-case basis.

6.2.3 Procedures

The applicant must submit:

- Vegetation maintenance application (SCDOT Form 603) to the Outdoor Advertising Office.
- Vegetation maintenance plan with written justification for the extent of proposed work.
- Non-refundable initial permit fee per location made payable to SCDOT. Any check returned for insufficient funds must be resubmitted and any service fees paid within ten days of the letter of notification to applicant. Failure to pay fees within this period will result in the contract and vegetation permit and/or permits being cancelled.
- Performance and indemnity bond (format may be obtained from the Outdoor Advertising Office).
- Vegetation Window Agreement with Exhibit A listing all sign locations applicable to the agreement (For new Agreements).

6.2.3.1 Upon receipt of the application package, the Outdoor Advertising Office will review the application and bond for approval. The SCDOT District Outdoor Advertising Coordinator will field review all locations. SCDOT will mark the 500-foot longitudinal working area, measuring from the sign's support nearest the main traveled way along a line parallel with the main traveled way. The 300-foot window will then be marked according to the application and any trees that are to remain will be flagged and photographed.

6.2.3.2 Following completion of the field review, SCDOT will mail successful applicants a letter of approval. Vegetation permits will be valid for six months from the date of issuance. A one-time thirty-day extension may be granted at the discretion of SCDOT if the applicant can show extenuating circumstances beyond the applicant's control, were responsible for the delay.

6.2.4 Instructions Outlining Procedures to be Followed and Conditions of the Permit

Procedures to be followed and conditions of the permit include, but are not limited to the following:

- No work under the permit can commence without a minimum advance notice of forty-eight hours to the appropriate SCDOT Outdoor Advertising Coordinator.
- No hardwoods (oak, hickory, etc.) in excess of six inches in diameter will be removed unless there are extraordinary circumstances warranting removal, such as hazard to life and/or property. All such removal cases will be thoroughly documented (by report and photographs) before any trees are removed.
- Work areas are to be accessed by applicant from the sign side (private property).
- All stumps are to be ground by applicant to a minimum of two inches below ground level.
- Areas with high banks, which cannot be easily maintained by routine mowing, will require the planting of a low growing grass, as recommended by the Resident Maintenance Engineer, at applicant's expense.
- All debris will be removed by applicant from the right-of-way and view of the traveling public before leaving the site.

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BRE 38

- The applicant must complete cutting and clearing at one location in its entirety before beginning on a new location.
- No cedars or dogwood trees will be removed unless approval is granted by the SCDOT.
- All locations will be reviewed at completion for compliance.

Any violation of this policy or the Vegetation Window Agreement will be grounds for the termination of the agreement, cancellation of the vegetation maintenance permit, and cancellation of the outdoor advertising sign permit. Upon cancellation, the sign shall be removed at the sign owner's expense. If after thirty days the sign is not removed, SCDOT will have the sign removed and the sign owner shall reimburse SCDOT for all removal costs incurred. In addition, upon violation under this provision, the sign owner is not eligible for a sign permit within South Carolina in accordance with Section 57-25-140(I)(2) of S.C. Code of Law, 1976, as amended.

6.2.5 Special Provisions

6.2.5.1 Removal of Non-Conforming Sign Structures

Two vegetation control permit fees will be waived for the life of the contract for each SCDOT-permitted non-conforming sign voluntarily removed. All non-conforming sign structures to be removed must be at least 150 square feet. If less than 150 square feet, the removal of two non-conforming sign structures will be required to enact the ten-year waiver.

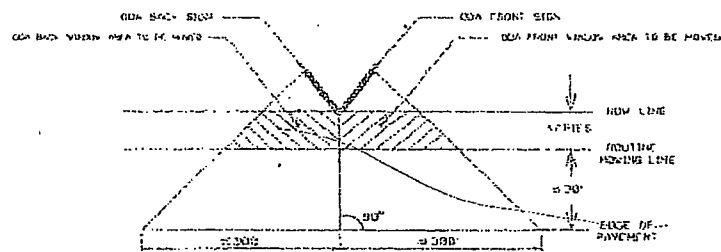
It is agreed that this waiver shall not be construed as a "taking" requiring just compensation and shall be excluded from the provisions in Section 57-25-180 of S.C. Code of Law.

6.2.5.2 Reduction of Sign Height

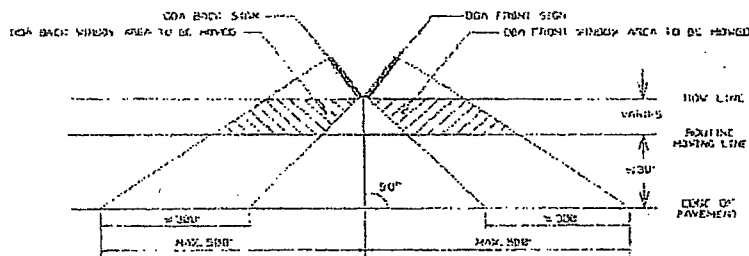
Any pre-existing conforming sign structure exceeding fifty feet in height, that is lowered to a height not to exceed fifty feet or fifty percent of its total height, whichever is lowest, will be allowed to participate in the vegetation maintenance program for ten years without charge upon verification and approval of the SCDOT. All heights will be measured from ground level.

6.2.6 Outdoor Advertising (ODA) Window Mowing

(Typical VII – A & B) All vegetation shall be mowed to a uniform height of no less than four (4) inches and no more than six (6) inches. All equipment shall be maintained in good cutting condition. All equipment shall be operated in such a manner so as to prevent scalping, rutting or other damage to the turf. No hardwood trees with a diameter of six (6) inches or greater shall be disturbed. Tree limbs overhanging into the ODA area shall not be mowed, pruned, or in any way disturbed.



TYPICAL VII-A
DOUBLE FACE ODA SIGN
0-300' Window



TYPICAL VII-B
DOUBLE FACE ODA SIGN
200-500' Window

7. MAINTENANCE PARTNERSHIP AGREEMENT

A fully executed maintenance partnership agreement is recommended for long-term maintenance performed on SCDOT right-of-way by any non-SCDOT entity. A blank copy of the Maintenance Partnership Agreement form is located in the appendix of this document.

8. SUMMARY

SCDOT is working diligently to maintain and improve roadside vegetation in South Carolina. The success of the Roadside Vegetation Program will require a team effort from all members of the SCDOT Division of Maintenance. Each District must work in close cooperation with the Director of Maintenance staff. This includes developing goals, scheduling vegetation management and improvement activities, and timely reporting of the activities involved in this program.

9. APPENDIX

9.1 OUTDOOR ADVERTISING VEGETATION WINDOW AGREEMENT

This Agreement is between the South Carolina Department of Transportation (hereinafter "SCDOT") and _____ (hereinafter "APPLICANT") for the cutting of vegetation on SCDOT'S right of way in front of each billboard facing owned by APPLICANT.

WHEREAS, this Agreement shall implement the Outdoor Advertising 300 Foot Vegetation Window and Maintenance Program (hereinafter "PROGRAM").

The parties to this Agreement hereby agree as follows:

1. RESPONSIBILITIES, RIGHTS AND DUTIES

A. RESPONSIBILITIES, RIGHTS AND DUTIES OF APPLICANT

1. APPLICANT must submit a vegetation maintenance permit application (SCDOT Form 603) for each sign site, along with appropriate fees, comprehensive vegetation removal plan, this Agreement, a Performance and Indemnity Bond or line of credit, and general Liability Insurance Certificate, to the SCDOT Outdoor Advertising office located at PO Box 191, 955 Park Street, Columbia, SC 29202 for approval and consideration in participating in the program.

- a. No application will be reviewed unless all required documents listed above, including fee, are submitted.
- b. This Agreement can reference one (1) or more approved vegetation maintenance permit applications. In that case, the sign permit number of each sign subject to the vegetation maintenance permit must be identified and attached to this Agreement as Exhibit "A".
- c. The Performance and Indemnity Bond and/or line of credit must be approved by the Outdoor Advertising office prior to any clearing of right of way by APPLICANT.

2. Upon approval of the documents in subsection A.1, APPLICANT will be allowed to enter upon SCDOT'S right of way to cut the 300 foot vegetation window, as designated by SCDOT; provided, prior to and within forty eight (48) hours of entering upon SCDOT'S right of way, APPLICANT contacts the appropriate Outdoor Advertising Coordinator and gives notice of the approximate time that APPLICANT will enter upon SCDOT'S right of way.

3. APPLICANT agrees to cut vegetation under the following criteria:

- a. APPLICANT will not cut hardwoods that are in excess of six (6) inches in diameter;
- b. All hardwoods larger than six (6) inches in diameter must be examined by the District SCDOT Outdoor Advertising Coordinator to determine if they will hinder routine mowing;
- c. All cutting by the APPLICANT will be performed from the sign side of the right-of-way (private property) to avoid distractions to the traveling public;
- d. All cuttings and debris will be immediately removed from SCDOT's right-of-way by APPLICANT at APPLICANT's expense.

4. APPLICANT agrees to comply with all state, federal and local laws and regulations when issued a vegetation maintenance permit and accepted for participation in the PROGRAM.

B. RESPONSIBILITIES, RIGHTS AND DUTIES OF THE SCDOT

1. SCDOT Outdoor Advertising office will be responsible for reviewing the documents submitted under subsection A.1. by APPLICANT and determining whether APPLICANT is accepted for participation in the PROGRAM.

2. Upon approval of the documents in subsection A.1., SCDOT Outdoor Advertising Coordinator will mark the 300-foot vegetation window to be cut in front of each billboard facing.

II. FUNDING

A. There will be an initial fee assessed for participation in this PROGRAM per billboard location. The fee includes payment for the Vegetation Permit. Payment of the fee must be submitted with the vegetation permit application, comprehensive site plan, this Agreement, the Performance and Indemnity Bond/credit line, and Certificate of Insurance.

B. An annual processing fee per billboard location will be assessed for the routine mowing by the SCDOT. The annual fee may be paid by check made payable to the SCDOT and sent to the SCDOT Deputy Director of Strategic Planning, Finance and Administration Office. Payment of the annual fee is due on September 1st of each year. Failure to remit the annual fee by October 1st will terminate this Agreement and cancel the Outdoor Vegetation Maintenance Permit and Outdoor Advertising Sign Permit for that sign location. Upon cancellation of these permits, the sign owner will be required to remove the sign within thirty (30) days. If after thirty (30) days the sign is not removed, the SCDOT shall have the sign removed at the sign owner's expense.

C. APPLICANT agrees to procure a Performance and Indemnity Bond or line of Credit in the amount of contracted work and general liability insurance with limits of liability of not less than \$500,000.00 each occurrence, \$500,000.00 aggregate for bodily injury, and \$500,000.00 each occurrence, \$500,000.00 aggregate for property damage. The applicant shall name the Department as an additional named insured. A copy of the additional named insured endorsement must accompany the Performance and Indemnity Bond.

III. INDEMNIFICATION

To the extent allowed by law, APPLICANT agrees to indemnify and defend SCDOT against, and hold it harmless from any and all suits, demands, loss or liability, on account of or in connection with any injury, loss or damage to any person or property resulting, or claiming to have resulted from the cutting of the vegetation by APPLICANT or his/her servants, agents, employees, customers or visitors, or from the disposal or removal of the cuttings or debris by APPLICANT or his/her agents, or claimed to have resulted from APPLICANT'S or his agents' omission, fault, negligence, or other misconduct.

IV. DURATION

This Agreement between APPLICANT and SCDOT for a 300-foot vegetation window in front of each billboard facing owned by APPLICANT shall be automatically renewed annually with payment of the renewal fee, unless terminated by the SCDOT.

V. TERMINATION OF AGREEMENT

A. Failure of APPLICANT to meet the federal, state, or county laws and Regulations regarding outdoor advertising vegetation maintenance will terminate this Agreement.

B. Any violation of this Agreement or the Outdoor Advertising Vegetation Maintenance Policy or permit will be grounds for the termination of this Agreement, the cancellation of the vegetation maintenance permit, and the cancellation of the outdoor advertising sign permit. Within thirty (30) days of cancellation of the outdoor advertising sign permit under this provision, the sign shall be removed at the sign owner's expense. If after thirty (30) days the sign is not removed, the SCDOT will have the sign removed and the sign owner shall reimburse the SCDOT all removal costs. In addition, upon violation under this provision, the sign owner is not eligible for a sign permit within South Carolina in accordance with Section 57-25-140(I)(2) of the South Carolina Code of Laws, 1976.

C. In the event the APPLICANT through any cause fails to perform any of the terms, covenants, or provisions of this Agreement on its part to be performed, or if it for any cause fails to cut or clear the 500' designated working area in a reasonable manner, or if the APPLICANT violates any of the terms, covenants, or provisions of this Agreement, the SCDOT shall have the right to terminate this Agreement by giving thirty (30) days notice in writing of the termination and date of such termination to APPLICANT.

VI. DISPUTES

In any dispute concerning a question or fact in connection with the work or terms of this Agreement, or compensation therefore, the APPLICANT shall notify the SCDOT, in writing, of its dispute. A review the matter will be completed. The decision of the SCDOT'S Director in the matter shall be final and conclusive for both parties.

VII. SUCCESSORS AND ASSIGNS

SCDOT and APPLICANT each binds itself, its successors, executors, administrators, and assigns to the other party with respect to these requirements. Either party may assign its interest under this Agreement without the consent of the other. Such assignment shall not relieve either party from its obligations hereunder.

IN WITNESS WHEREOF, and in consideration of the mutual conveyance and promise between the parties hereto, we have hereunto set our hands and seal this _____ day of _____, 20____.

FOR SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION

By: _____
Elizabeth S. Mabry, Executive Director

Recommended by:

Keith C. Melvin
Director of Outdoor Advertising

FOR APPLICANT

APPLICANT

BY: _____

ITS: _____

9.2 MAINTENANCE PARTNERSHIP AGREEMENT

SC Form 2/17/00

THIS AGREEMENT is entered this _____ day of _____, 20____, by and between _____ (hereinafter "Business") and the South Carolina Department of Transportation (hereinafter "SCDOT").

WHEREAS, in accordance with Sections 57-3-110 (1) and (10), 57-3-650, 57-23-10, and 57-25-140, and the SCDOT's Policy of Vegetation Preservation on SC Highways, SCDOT is authorized to allow landscaping and beautification efforts on SCDOT right of ways;

WHEREAS, Business has previously obtained a SCDOT Encroachment Permit for the one-time right to access SCDOT's right of way for landscaping, beautification and/or enhancement. Said encroachment permit is described as follows:

Permit Number: _____ Date Issued: _____

Location: _____

WHEREAS, SCDOT and Business are desirous of entering into this Agreement to grant a continuous license to the Business to enter the SCDOT's right of way to conduct routine maintenance of landscaping, beautification and/or enhancements permitted by the aforesaid encroachment permit;

NOW THEREFORE, in consideration of mutual promises, SCDOT and Business agree to the following:

1) SCDOT grants Business a license to enter onto the SCDOT right of way at the area defined by the encroachment permit. The purpose of the license to enter is limited to routine maintenance of the encroachment permit area. Such entry will be limited to the scope of the work identified in the encroachment permit. No additional encroachment beyond that contemplated by the original encroachment permit is allowed. If additional maintenance, enhancement and/or beautification efforts, different from the original scope of work identified in the encroachment permit, is requested, Business will be required to submit a new encroachment permit identifying the new scope of work. Entry onto SCDOT right of way pursuant to this agreement may be without notice to the SCDOT.

2) Business agrees to post all necessary traffic control devices and take all necessary precautions in conformance with SCDOT traffic control standards and as required by the SCDOT, along the SCDOT right of way prior to and during the performance of any routine maintenance, enh3) Business agrees that no work shall be accomplished from the mainline side of the highway. Ingress and egress from the work area shall be made from private property as identified on the encroachment permit.

4) Business agrees to indemnify and hold harmless the SCDOT from any and all claims, damages and liability arising or resulting from the Business' presence on and use of the SCDOT right of ways for routine maintenance, enhancement and/or beautification.

5) This Agreement shall not be modified, amended or altered except upon written consent of the parties. Neither party shall assign, sublet, or transfer its interest in this Agreement without the written consent of the other.

6) This Agreement may be terminated upon thirty (30)-days written notice to the other party; however, in cases where the Business is not performing in accordance with this Agreement, SCDOT shall give written notice to Business of the failure in performance and, if the Business does not correct or cure the performance within three (3) days of receipt of the notice, SCDOT shall have the option to terminate this license immediately, and shall, thereafter, give written notice of such termination to the Business.

IN WITNESS HEREOF, the above parties have hereunto set their hands and seals.

SOUTH CAROLINA DEPARTMENT OF
TRANSPORTATION

By: _____

Its: _____

Recommended by: _____

Business

By: _____

Its: _____

9.3 PERFORMANCE AND INDEMNITY BOND FORM

South Carolina Department of Transportation Form No. 672A	Rev. 11-20-2000	Date Bond Executed:
PERFORMANCE AND INDEMNITY BOND		
Principal:		Bond Number:
Surety:		
Penal Sum of Bond (Express in words & figures):		Date of Contract:
Project S. C. File No(s):		Contract Number:

KNOW ALL MEN BY THESE PRESENTS, That we, the PRINCIPAL AND SURETY above named are held and firmly bound unto the South Carolina Department of Transportation, hereinafter called the Department, in the penal sum of the amount stated above which shall be equal to the full amount (100%) of the contract, for the payment of which sum well and truly to be made, we bind ourselves, our heirs, executors, administrators, and successors, jointly and severally, firmly by these presents.

THE CONDITION OF THIS OBLIGATION IS SUCH, that whereas the principal entered into a certain contract with the Department, numbered and dated as shown above and hereto attached:

NOW, THEREFORE, if the principal shall well and truly perform and fulfill all the undertakings, covenants, terms, conditions and agreements of said contract during the original term of said contract and any extensions thereof that may be granted by the Department, with or without notice to the surety, and during the life of any guaranty required under the contract, and shall also well and truly perform and fulfill all the undertakings, covenants, terms, conditions, and agreements of any and all duly authorized modifications of said contract that may hereafter be made, notice of which modifications to the surety being hereby waived, then, this obligation to be void; otherwise to remain in full force and virtue.

IN WITNESS WHEREOF, the above-bounden parties have executed this instrument under their several seals on the date indicated above, the name and corporate seal of each corporate party being hereto affixed and these presents duly signed by its undersigned representative, pursuant to authority of its governing body.

In Presence of: Witness (2 required) 1. _____ 2. _____	FOR INDIVIDUAL OR PARTNERSHIP PRINCIPAL _____ (seal) _____ (seal)
---	---

Attest Corporate Secretary In Presence of: Witness (2 required) 1. _____ 2. _____	FOR CORPORATE PRINCIPAL Corporation Name _____ Business Address _____ By: _____ Title: _____ Affix Corporate Seal
--	--

In Presence of: Witness (2 required) 1. _____ 2. _____	SURETY/INSURER Surety/Insurer Name _____ Business Address _____ By: _____ Title: _____ Affix Corporate Seal
---	--

EXCERPT FROM SOUTH CAROLINA CODE OF LAWS

SECTION 57-5-1660. Amount of contractor's bonds. -

- (a) The South Carolina Department of Transportation shall require that the contractor on every public highway construction contract, exceeding ten thousand dollars, furnish the South Carolina Department of Transportation, county, or road district the following bond, which shall become binding upon the award of the contract to such contractor:
- (1) A performance and indemnity bond with a surety or sureties satisfactory to the authority awarding the contract, and the full amount of the contract, and in no case less than ten thousand dollars, for the protection of the South Carolina Department of Transportation, county or road district.
 - (2) A payment bond with a surety or sureties satisfactory to the awarding authority, and in the amount of not less than fifty percent of the contract, for the protection of all persons supplying labor and materials in the prosecution of work provided for in the contract for the use of each such person.
 - (b) Every person who has furnished labor or material in the prosecution of the work provided for in such contract, in respect of which such a bond has been furnished under this section and who has not been paid in full therefor before the expiration of a period of ninety days after the day on which the last of the labor was done or performed by him or material was furnished or supplied by him for which such claim is made, shall have the right to sue on such bond for the amount, or the balance thereof, unpaid at the time of the institution of such suit and to prosecute such action to final execution and judgment for the sum or sums justly due him; provided, however, that any person having direct contractual relationship with a sub-contractor but no contractual relationship expressed or implied with the contractor furnishing the bond shall have a right of action upon the bond upon giving written notice to the contractor within ninety days from the date on which such person did or performed the last of the labor or furnished or supplied the last of the material for which claim is made, stating with substantial accuracy the amount claimed and the name of the party to whom material was furnished or supplied the last of the material for which claim is made, stating with substantial accuracy the amount claimed and the name of the party to whom material was furnished or supplied or for whom labor was done or performed. No suit under this section shall be commenced after the expiration of one year after the date of the final settlement of the contract.
 - (c) Nothing in this section shall be construed to limit the authority of any contracting authority to require a performance bond or other security in addition to those specified in this section.

BOLENTOWN FIRE DEPARTMENT

____ Chief

2310 Norway Rd. Orangeburg, S.C. 29115

County Run No. 136

____ Asst. Chief

803-536-0807

FDID# 38222

Date: 1, 7, 10

Vehicle Fire/Accident Report

Location: SAVANNAH Hwy

Nearest Intersection: ADA ROAD

Call Type:

- ☐ Fire
☒ Accident
☐ Assist EMS/Rescue
☐ Landing Zone
☐ Haz-Mat Incident
☐ Canceled En route
☐ Public Service Call
☐ False Call

Vehicle Type:

- ☒ Single vehicle
☐ Multiple vehicles
☐ Multi-unit vehicle
☐ Farm Equipment
☐ Aircraft
☐ Other: _____

Haz Mat:

- Container Capacity: _____
 Amount Spilled: _____
 State when released: _____
 Cause: _____

Vehicle Information:

Vehicle 1	Type: _____	Vehicle 2	Type: _____
Year/Make/Model: _____		Year/Make/Model: _____	
License No. _____		License No. _____	
Insurance Co. _____		Insurance Co. _____	
Occupant: _____		Occupant: _____	
Address: _____		Address: _____	
Owner: _____		Owner: _____	
Address: _____		Address: _____	
Telephone: _____		Telephone: _____	

Patient Information

Number of patients _____ Number of patients transported _____
 Method of transportation _____

Apparatus Responding:

- ☐ E-221 ☐ E-222
☐ E-223
☐ T-225 ☐ T-226
☐ T-227
☐ S-228 ☐ Br.-22

Alarm Received by:

- ☒ 911 Dispatch
☐ Verbal
☐ Other: _____

Personnel Responding:

- | | | | |
|--|---------------------|---------------------|-----------------------------|
| 10 Tony Dannelly | 21 Ernest Bair | 30 Carl Johnson | 43 Jason Dempsey |
| 11 Robert Dannelly | 22 Stephen VanVlack | 31 Beverly Robinson | 44 Cody Rhinchar |
| 12 ☒ Algie Rutland | 23 Foreman Garrick | 32 Tristan Rice | 46 Kathy Shultz |
| 14 Pat Risa | 24 Eddie Hughes | 33 Carol Ayers | 47 Ann Carter |
| 15 Al Dannelly | 25 Billy Browning | 35 Freddie Rice | 34 William Rutland (Eville) |
| 17 Roger Dannelly | 28 Todd Johnson | 38 Teresa Hughes | |
| 19 Keith Ayers | 29 Bill Molnar | | |

Firefighters 1 Officers _____ Chief Officer: Yes ☐ No ☒ Total 1

Firefighter Deaths or Injury or Blood Borne Pathogen Exposure. Yes ☐ No ☒ (If yes specify on back)

Equipment Lost or Damaged. Yes ☐ No ☒ (If yes specify on back)

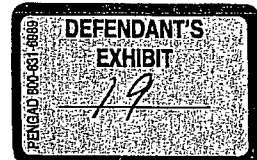
Aid Given to: NEESES Aid Received from: _____

Signature of Incident Commander

Algie Rutland

Date

Vehicle Fire/Accident Pg. 1 BVFD



1 What were the grounds of the divorce?

2 A. Her and I didn't get along that good.

3 Q. So it was what people called
4 irreconcilable differences, something of that
5 nature?

6 A. Yes.

7 Q. What was the highest level of education
8 you achieved?

9 A. 9th grade.

10 Q. Where was that?

11 A. At 252 Selmas, Brooklyn, New York.

12 Q. Did you have any kind of training or
13 did you obtain any kind of certifications after you
14 left the 9th grade, anything where you were given
15 some kind of license or received some type of
16 certification for some course of training?

17 A. Well, I had went into the Job Corps.

18 Q. Have you ever been arrested, charged
19 with, or convicted of any crime?

20 A. Not that I know of.

21 Q. Besides the folks that you've sued in
22 this lawsuit, have you ever sued anybody else for
23 anything? And also, we'll put aside your divorce
24 from Mrs. Breland. Anyone else that you have ever
25 sued for anything?

NAME: BRELAND, WILLIAM
 SID NUMBER: WA18163088
 DOC NUMBER: 755292

DOB: 10/31/1944

PERSON INFORMATION

SEX RACE HEIGHT WEIGHT EYES HAIR PLACE OF BIRTH CITIZENSHIP
 M B 601 190 BRO BLK SC US

OTHER NAMES USED

OTHER DATES OF
 BIRTH USED

SOC SEC
 NUMBER

MISC NUMBER

CONVICTION AND/OR ADVERSE FINDING SUMMARY

1 FELONY(S)
 VUCSA-MANUFACTURE/DELIVER/POSS W/INT FELONY DISPOSITION DATE
 0 GROSS MISDEMEANOR(S) 08/30/1996
 0 MISDEMEANOR(S)
 0 CLASSIFICATION(S) UNKNOWN

DOC SUMMARY

VUCSA-MANUF/DEL SCHED 1,2 NARC COMMITMENT 09/03/1996

CRIMINAL HISTORY INFORMATION

THE ARRESTS LISTED MAY HAVE BEEN BASED ON PROBABLE CAUSE AT THE TIME OF ARREST
 OR ON A WARRANT. PROBABLE CAUSE ARRESTS MAY OR MAY NOT RESULT IN THE FILING OF
 CHARGES. CONTACT THE ARRESTING AGENCY FOR INFORMATION ON THE FORMAL CHARGES
 AND/OR DISPOSITIONS.

AN ARREST IS NOT A CONVICTION OR FINDING OF GUILT.

ARREST 2

DATE OF ARREST: 04/27/2001

NAME USED: BRELAND, WILLIAM
 CONTRIBUTING AGENCY: WASPD0000 SEATTLE POLICE DEPARTMENT
 LOCAL ID: A291438 PCN: 007773790 TCN: WA4000100050375677

ARREST OFFENSES

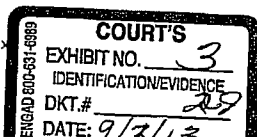
DISPOSITION

CONTRIBUTOR OR RESPONSIBLE AGENCY:
 WA017015J KING COUNTY SUPERIOR
 COURT
 COURT CASE NO: 961054603
 REFER TO 07/31/1996

ARREST 1

DATE OF ARREST: 07/31/1996

<https://fortress.wa.gov/wsp/watch/Inbox?rsPage=detail&CVIndex>



NAME USED: BRELAND, WILLIAM
 CONTRIBUTING AGENCY: WASPD0000 SEATTLE POLICE DEPARTMENT
 LOCAL ID: M549047 PCN: 001489631 TCN: N/A

ARREST OFFENSES

DISPOSITION

CONTRIBUTOR OR RESPONSIBLE AGENCY:
 WA017015J KING COUNTY SUPERIOR
 COURT
 COURT CASE NO: 961054603

STATUS: GUILTY
 07331 VUCSA-MANUFACTURE/DELIVER/
 POSS W/INT
 RCW: 69.50.401(A)(1)
 FELONY
 STATUS DATE: 08/30/1996

SENTENCE: SENT. DESC.:
 CHG 01: PRISON-31 MOS, 05/
 04/2001 JAIL-12 DS

STATE DEPARTMENT OF CORRECTIONS

CUSTODY HISTORY

COMMITMENT

NAME USED: BRELAND, WILLIAM DATE: 09/03/1996
 CONTRIBUTING AGENCY: WA023025C WA DOC-SHELTON CORRECTIONS
 COURT CASE NO: 96C054603 COUNTY/STATE: KING
 CHARGE: 07316 VUCSA-MANUF/DEL SCHED 1,2 NARC CLASS B FELONY
 69.50.401(A)(1)(I)

DOO: 09/03/1996

NO KNOWN SEX/KIDNAPPING OFFENDER REGISTRATIONS

NO KNOWN APPLICANT DETAILS

GLOSSARY OF TERMS IS AVAILABLE IN THE CRIMINAL JUSTICE TRAINING MANUAL (CJTM)
 LOCATED AT <http://www.wsp.wa.gov/crime/crimhist.htm>

RESOURCES

ADMINISTRATIVE OFFICE OF THE COURTS (AOC)-----WWW.COURTS.WA.GOV
 WSP CHRU -----CRIMHIS@WSP.WA.GOV OR
 (360) 534-2000
 DEPARTMENT OF CORRECTIONS (DOC)-----WWW.DOC.WA.GOV
 WSP SOR UNIT----- (360) 534-2000

1/22/13 12:39 PM

WSP CRIME LAB CODIS----- (206) 262-6020
RCW----- HTTP://APPS.LEG.WA.GOV/RCW/
LEGISLATION----- HTTP://APPS.LEG.WA.GOV
END OF RECORD

Skip to Main Content Logout My Account Search Menu New District Civil/Criminal
Search Refine Search Back

Location : District Court Civil/Criminal Help

REGISTER OF ACTIONS

CASE No. 88C084710

The State of Nevada vs William B Breland

Case Type: Felony/Gross Misdemeanor
Date Filed: 08/03/1988
Location: Department 11
Conversion Case Number: C084710
Defendant's Scope ID #: 0163122
Lower Court Case Number: 88F01309

PARTY INFORMATION

Defendant Breland, William B

Lead Attorneys
Public Defender
Retained

Plaintiff State of Nevada

Rex A. Bell, Jr.
702-387-6156(W)

CHARGE INFORMATION

Charges: Breland, William B

Charge	Statute	Level	Date
1. BURGLARY.	205.060	Felony	01/01/1900
2. ATTEMPT TO RECEIVE OR POSSESS STOLEN PROPERTY	A205.275	Felony	01/01/1900

EVENTS & ORDERS OF THE COURT

DISPOSITIONS

01/01/1900 Plea (Judicial Officer: User, Conversion)
2. ATTEMPT TO RECEIVE OR POSSESS STOLEN PROPERTY
Guilty

08/11/1988 Disposition (Judicial Officer: User, Conversion)
1. BURGLARY.
Charges Amended/Dropped

10/28/1988 Disposition (Judicial Officer: User, Conversion)
2. ATTEMPT TO RECEIVE OR POSSESS STOLEN PROPERTY
Guilty

10/28/1988 Adult Adjudication (Judicial Officer: User, Conversion)
2. ATTEMPT TO RECEIVE OR POSSESS STOLEN PROPERTY
Converted Disposition:
Sentence# 0001: SUSPENDED
Minimum 2 Years to Maximum 2 Years
Placement: NSP
Converted Disposition:
Sentence# 0002: PROBATION WITH CONDITIONS
Minimum 3 Years to Maximum 3 Years
Converted Disposition:
Sentence# 0003: COUNSELING PROGRAM
Converted Disposition:
Sentence# 0004: RESTITUTION
Converted Disposition:
Sentence# 0005: COMMUNITY SERVICE
Minimum 100 Hours to Maximum 100 Hours
Converted Disposition:
Sentence# 0006: ADMINISTRATION FEE
Amount: \$20.00
Converted Disposition:
Sentence# 0007: PROBATION MODIFIED
Minimum 30 Days to Maximum 30 Days
Placement: CCDC
Converted Disposition:
Sentence# 0008: DISHONORABLY DISCHARGED

OTHER EVENTS AND HEARINGS

08/03/1988 Conversion Case Event Type
CRIMINAL COMPLAINT

08/05/1988 88C0847100001.tif pages
Information
INFORMATION
88C0847100002.tif pages
08/11/1988 Information
AMENDED INFORMATION
88C0847100003.tif pages
01/23/1991 Motion
MOTION FOR TIME CERTAIN
88C0847100004.tif pages
01/29/1991 Hearing
HEARING: REVOCATION
88C0847100005.tif pages
01/29/1991 Hearing (9:00 AM) ()
MOTION FOR TIME CERTAIN Court Clerk: THERESA ALMSTEAD Reporter/Recorder: SHARRON COPE Heard By: Addelmar Guy, III
Parties Present
Minutes
Result: Matter Heard
03/07/1991 Hearing (9:30 AM) ()
HEARING: REVOCATION Court Clerk: THERESA ALMSTEAD Reporter/Recorder: SHARRON COPE Heard By: Addelmar Guy, III
Parties Present
Minutes
Result: Probation Modified
06/07/1991 Judgment
AMENDED JUDGMENT OF CONVICTION - PLEA
88C0847100007.tif pages
09/30/1991 Motion
SET TIME CERTAIN: REVOCATION OF PROBATION (LTR 9/30/91)
88C0847100009.tif pages
10/03/1991 Hearing (9:00 AM) ()
SET TIME CERTAIN: REVOCATION OF PROBATION (LTR 9/30/91) Court Clerk: THERESA ALMSTEAD Reporter/Recorder: MARY BETH
COOK Heard By: Myron Leavitt
Parties Present
Minutes
Result: Matter Heard
10/09/1991 Hearing
REVOCATION OF PROBATION
88C0847100010.tif pages
10/10/1991 Revocation of Probation (9:30 AM) ()
REVOCATION OF PROBATION Relief Clerk: NANCY DORMAIER Reporter/Recorder: SHARRON COPE Heard By: Addelmar Guy, III
Parties Present
Minutes
Result: Denied
11/05/1991 Order
PETITION/ORDER DISHONORABLY DISCHARGING PROBATIONER
88C0847100011.tif pages

Skip to Main Content Logout My Account Search Menu New District Civil/Criminal
Search Refine Search Back

Location : District Court Civil/Criminal Help

REGISTER OF ACTIONS

CASE No. 91C103113

State of Nevada vs William B Breland, Defendant(s)

§
§
§
§
§
§
§

Case Type: Criminal Petition for Extradition
Date Filed: 10/30/1991
Location: Department 10
Conversion Case Number: C103113
Defendant's Scope ID #: 0163122

PARTY INFORMATION

Defendant Breland, William B

Lead Attorneys

Plaintiff State of Nevada

EVENTS & ORDERS OF THE COURT

OTHER EVENTS AND HEARINGS	
10/30/1991	Petition PETITION FOR EXTRADITION Fee \$0.00 91C1031130001.tif pages
10/30/1991	Petition EXTRADITION 91C1031130002.tif pages
11/01/1991	Hearing STATUS CHECK RE: EXTRADITION 91C1031130003.tif pages
11/01/1991	Order ORDER OF EXTRADITION 91C1031130004.tif pages
11/01/1991	Extradition Hearing (9:00 AM) () EXTRADITION Court Clerk: DEBRA VINSON Reporter/Recorder: YVONNE VALENTIN Heard By: Lee Gates <u>Parties Present</u> <u>Minutes</u>
11/05/1991	Result: Granted Waiver WAIVER OF EXTRADITION 91C1031130005.tif pages
11/15/1991	Status Check (9:00 AM) () STATUS CHECK RE: EXTRADITION Court Clerk: DEBRA VINSON Reporter/Recorder: DEBRA WINN Heard By: Jack Lehman <u>Parties Present</u> <u>Minutes</u>
11/18/1991	Result: Off Calendar Order of Extradition STATUS CHECK ON EXTRADITION/OFF CALENDAR 91C1031130006.tif pages

Location : District Court Civil/Criminal Help

CASE No. 92C104997

The State of Nevada vs William B Breland

Case Type: Felony/Gross Misdemeanor
Date Filed: 02/27/1992
Location: Department 11
Conversion Case Number: C104997
Defendant's Scope ID #: 0163122
Lower Court Case Number: 92F00833

RELATED CASE INFORMATION

Related Cases

92F00833X (Bind Over Related Case)

PARTY INFORMATION

Defendant Breland, William B

Lead Attorneys
Public Defender
Retained

Plaintiff State of Nevada

Stewart L. Bell
702-455-4277(W)

CHARGE INFORMATION

Charges: Breland, William B

1. CONSPIRE TO COMMIT A BURGLARY IN/ON AN AUTO

Statute
C205.060

Level	Date
Gross Misdemeanor	01/01/1900

EVENTS & ORDERS OF THE COURT

DISPOSITIONS

01/01/1900	Plea (Judicial Officer: User, Conversion) 1. CONSPIRE TO COMMIT A BURGLARY IN/ON AN AUTO Guilty
------------	---

04/10/1992 Disposition (Judicial Officer: User, Conversion)
1. CONSPIRE TO COMMIT A BURGLARY IN/ON AN AUTO
Guilty

04/10/1992 Adult Adjudication (Judicial Officer: User, Conversion)
1. CONSPIRE TO COMMIT A BURGLARY IN/ON AN AUTO
Converted Disposition:
Sentence# 0001:
Minimum 9 Months to Maximum 9 Months
Placement: CCDC
Converted Disposition:
Sentence# 0002: RESTITUTION
Amount: \$29.00
Converted Disposition:
Sentence# 0003: CREDIT FOR TIME SERVED
Minimum 68 Days to Maximum 68 Days
Converted Disposition:
Sentence# 0004: ADMINISTRATION FEE
Amount: \$25.00

OTHER EVENTS AND HEARINGS

02/27/1992 Criminal Bindover
CRIMINAL BINDOVER Fee \$0.00
92C1049970001.tif pages.

02/27/1992 Hearing
INITIAL ARRAIGNMENT
92C1049970002.tif pages

03/02/1992 Information
INFORMATION
92C1049970003.tif pages

03/09/1992 Conversion Case Event Type
SENTENCING AM. INFO.
92C1049970004.tif pages

03/09/1992 Information
AMENDED INFORMATION
92C1049970005.tif pages

03/09/1992 Initial Arraignment (9:00 AM) ()
 INITIAL ARRAIGNMENT Relief Clerk: LEONE DUMIRE Reporter/Recorder: DANI ANTONACCI-BOPP Heard By: Joseph Bonaventure
Parties Present
Minutes
 Result: Matter Heard

04/10/1992 Sentencing (9:00 AM) ()
 SENTENCING AM. INFO. Court Clerk: JEAN WEBER Reporter/Recorder: DANI ANTONACCI-BOPP Heard By: Joseph Bonaventure
Parties Present
Minutes
 Result: Granted

04/24/1992 Judgment
 JUDGMENT OF CONVICTION - PLEA
 92C1049970006.tif pages

05/14/1992 Petition
 PRO PER PETITION FOR SENTENCE MODIFICATION
 92C1049970008.tif pages

05/14/1992 Affidavit in Support
 AFFIDAVIT IN SUPPORT OF MODIFICATION PETITION
 92C1049970009.tif pages

05/22/1992 Response
 STATES RESPONSE TO PETITIONERS REQUEST TO MODIFY SENTENCE
 92C1049970010.tif pages

05/27/1992 Petition (9:00 AM) ()
 PRO PER PETITION FOR SENTENCE MODIFICATION Court Clerk: JEAN WEBER Reporter/Recorder: DANI ANTONACCI-BOPP Heard
 By: BONAVENTURE, JOSEPH T.
Parties Present
Minutes
 Result: Matter Continued

05/29/1992 Petition (9:00 AM) ()
 PRO PER PETITION FOR SENTENCE MODIFICATION Court Clerk: JEAN WEBER Reporter/Recorder: DANI ANTONACCI-BOPP Heard
 By: BONAVENTURE, JOSEPH T.
Parties Present
Minutes
 Result: Matter Continued

06/05/1992 Petition (9:00 AM) ()
 PRO PER PETITION FOR SENTENCE MODIFICATION Court Clerk: JEAN WEBER Reporter/Recorder: DANI ANTONACCI-BOPP Heard
 By: Joseph Bonaventure
Parties Present
Minutes
 Result: Denied

06/19/1992 Order
 ORDER DENYING MOTION TO MODIFY SENTENCE
 92C1049970011.tif pages

FINANCIAL INFORMATION

Defendant Breland, William B	
Total Financial Assessment	25.00
Total Payments and Credits	0.00
Balance Due as of 07/22/2013	25.00
04/29/1992 Transaction Assessment	25.00



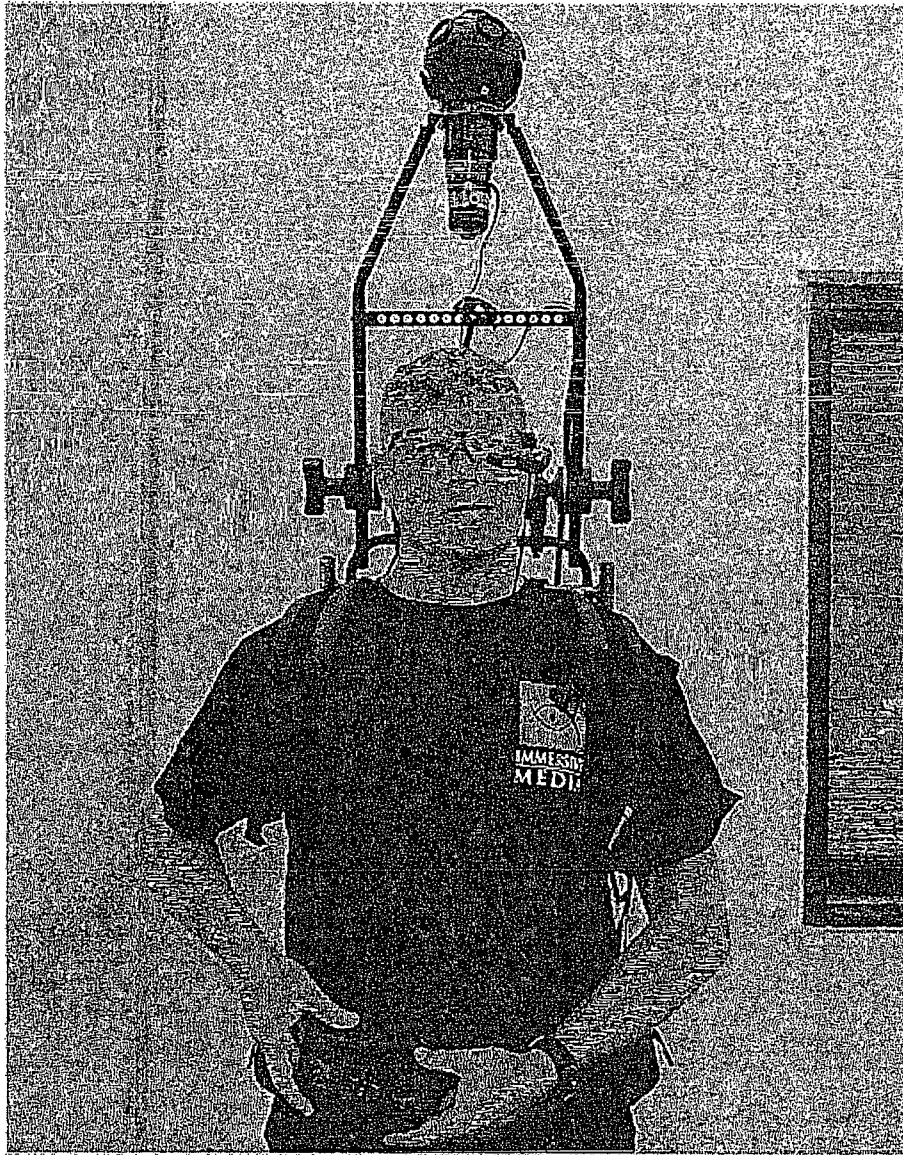
Terms and Conditions

1. **Please ensure your printer is working since results are returned immediately to your computer. We do not reimburse fees if you are unable to print the results.**
2. As of July 1, 2009, there are revised procedures for name based criminal records checks. The main revision involves the elimination of all billing accounts.
3. Fingerprint based searches are the most reliable way to conduct criminal records checks and the least likely to result in either a false positive or a false negative search result. However, since obtaining fingerprints may not be feasible, the SLED CATCH program offers the alternative of name based searches.
4. SLED CATCH allows you to view and print criminal records information from **South Carolina only**. National criminal record checks for non-criminal justice purposes are allowed only where specifically authorized by law. In the interest of safety, information on wanted persons is not included in the criminal records information furnished through SLED CATCH.
5. **SLED also accepts limited requests for criminal records checks by mail. This option should only be used for special services (e.g. notarization, certification) not available through the online access. Due to limited staffing, there is no expedited processing of mailed requests.** Requests for special services may be mailed to SLED Records Department, P.O. Box 21398, Columbia, S.C. 29221-1398. The **Criminal Records Check Form** should be submitted for mailed requests along with **proper payment and a self addressed stamped envelope**. Proper payment must be either a business check, certified check, cashier's check, or money order. Personal checks and cash will not be accepted.
6. It is recommended the search use the last name and date of birth appearing on a valid identifying government document that includes a photograph of the records check subject and a photocopy of this identifying document is retained. The use of common names may result in special processing or false positives.
7. SLED CATCH requires an exact match with a record subject's last name, first initial, and date of birth to retrieve criminal history record information, if any. If provided, a search by social security number will be conducted. Fingerprints may be the only way to identify a record subject if the name and date of birth contained in the record vary from the name and date of birth furnished as search criteria. Therefore, the results of a SLED CATCH search can differ from the results of a fingerprint based search or a name based search using additional search criteria for the same subject.
8. A non-refundable fee of \$25.00 (\$8.00 for a charitable organization as defined on the next page) will be charged for a South Carolina criminal records check. Note: Pursuant to statute, criminal records checks for prospective teachers and substitute teachers are provided to local school districts without charge.
9. South Carolina criminal records information should be handled carefully and used only for appropriate purposes. Subjects have a right to correct erroneous criminal records information pertaining to them.
10. Information on persons residing or working in South Carolina, who have been convicted of sex offenses whether in this state or another state, may be accessed free of charge through this site. [Click here to search the SC Sex Offender Registry.](#)

The FBI has released the following statement regarding Criminal History Requests and Attorneys:

As for the release of criminal history for discovery purposes, the rule is simple. If there is an order of discovery entered by a judge in a specific case and the prosecutor has in his discoverable file a copy of the criminal history, then it is part of the discovery and can be released. If it is not part of the prosecutor's discoverable file, then the judge must subpoena the criminal history directly from FBI CJIS. An agency may not run this III request through III from their terminal. If they do, and it is caught in an Audit, they will be marked out of compliance.

Riding Shotgun With Google Street View's Revolutionary Camera



For the past seven months, Kevin Nanzer has been on the road almost nonstop, living in and out of motel rooms and corporate apartments. He's crisscrossed the country, living for weeks at a time in cities like Austin, Texas, Oklahoma City, Okla., Raleigh, N.C., and Albany, N.Y.

Nanzer, 23, is a geoimmersive data producer for Immersive Media, a Canadian company that

specializes in the fast-growing world of "spherical video"—aka mapping the world for Google and beyond. For 5 hours each day (the most he can film because of the sun's angle to the Earth), Nanzer and a co-worker drive anywhere from 80 to 200 miles through a major city, capturing video and location data of every single street, bridge and highway.

"By the end, you'll get to know the city better than the one you grew up in," he says. "You can call me if you're lost in Oklahoma City, and I can tell you how to get somewhere. I know all the streets."

On this particular day, I'm sitting shotgun with Nanzer for a sneak peak at the 360-degree, roof-mounted data collection for topography 2.0. He typically wouldn't shoot footage on a rainy Manhattan day like this, because raindrops obscure the camera's 11 image-sensing lenses. And while the several blocks we covered looked as crystal clear as they do on the Google site (click here to play around with our test-drive footage), I'm not sure I could have taken it much longer anyway: Immersive uses a Volkswagen Beetle because of its small footprint and low ride, but that makes for one hell of a cramped trip. With all the equipment in the backseat, this tricked-out Bug fits just two people up front, where a laptop already takes up most of the dash on the passenger side, leaving me barely enough room to turn on and hold my camcorder steady.

By far the company's most recognizable client, Google, uses screen shots of Immersive's video footage for Google Maps Street View, a Web application that adds a level of interaction beyond the landmarks and driving directions that accompany most online maps. Users can zoom in on New York City, for example, to view panoramic shots of everything from Times Square and ground zero to their favorite restaurants and bars. The savviest users can even make out people and faces in some of these photos—an aspect that has generated heated debate among privacy advocates.

This interactivity, however, will only increase over time. One day, users might be able to go beyond snapshots to cars whizzing by along the Golden Gate Bridge or runners training for a marathon in Central Park. Strapped up with a virtual reality-style headset a few weeks earlier, I moved my head around a Humvee to see a moving battlefield simulation—evidence of Immersive's full-motion video capabilities that, with some effort, can even stream live

footage.

Advances at Immersive and other mapping startups are quickly changing the basic relationship between filmmakers and photographers and their audiences. Rather than present a specific perspective to viewers, Immersive's equipment puts them in an environment where they can freely explore. Petroleum engineers can watch aerial footage of pipelines from the comfort of offices rather than pile into expensive helicopters. In scenarios such as this, viewers gain back control of what they can and cannot watch.

"There's more to life than where the camera operator tells you where to see," says Tom McGovern, director of federal programs for Immersive Media. "And the more people use [the technology], the more they'll expect it."

At the heart of Immersive's services for Google and a number of other contractors is the Dodeca 2360, a softball-size camera that records from nearly a dozen different angles at 30 frames per second. Later, photos can be extracted and stitched together to form pictures with a resolution of 2400 by 1200 pixel—a frame "bigger than any high-definition image," says its inventor and chief technology officer, David McCutchen.

But at \$45,000 for the camera, twice that with mounts and a base unit that processes images in real time, plus anywhere from \$125 to \$700 per mile of video footage, the rig doesn't come cheap. That's probably why just six two-man teams make up Immersive's geodata services, using an off-the-shelf Logitech video-game controller to operate the camera, which is mounted above each VW—not that they haven't hoisted it on backpacks for shots of the Grand Canyon and the Everglades.

So far Immersive's cameras have logged more than 50,000 miles across the United States, providing Google with most of the images for cities that offer Street View (the Web giant did San Francisco, for example, in-house). "Our goal with Street View is to provide users with a rich, immersive browsing experience," insists Megan Quinn, a Google spokesperson. Going forward, the Google Maps team hopes to make the new feature available in as many cities as possible. "Our users have told us that this ability to view a location as if they were actually there helps them better understand and find information about places they live and visit,"

Quinn continues.

But the Dodeca 2360 has been used elsewhere. One unit went underwater to survey coral reefs in Fiji for the Planetary Coral Reef Foundation. For George Bush's 2001 inauguration, the U.S. Capitol Police took it for security alongside the presidential motorcade. Adidas recently used one to follow David Beckham's soccer debut in Los Angeles, and the U.S. Army used the camera on a new tactical truck.

While Immersive is ahead of the field with its tech and early commercial success, it's far from the only company collecting video and positioning data. Similar mapping outfits like Tele Atlas use custom vans to collect petabytes (that's a million gigabytes) of geospatial information about cities for navigational purposes, but only one or two companies also record video of locations. "People are seeing the value of it," says Edward Jurkevics, a geospatial businesses analyst for Chesapeake Analytics. "And the space is heating up."

Microsoft and Google, with their respective mapping applications, might eventually want to reconstruct whole 3D worlds where users can walk into highly detailed rooms or even retail shops. A company could go into these worlds and update its virtual street signs or storefronts, Jurkevics says. "The 'wow' is going to be when you can actually go on the Internet, pick which building you're going to and do a virtual drive-by," he promises. "It's going to be revolutionary in the way we do business."

From Hollywood marketing to military training, the potential for spherical video and geodata maps is only increasing. Immersive, after inking deals with Adidas and the NBA to offer promotional Web videos, is now banking on the appeal of 360-degree exploration in more commercial fields. "We're trying to drive consumer behavior through experiential marketing," Immersive's McGovern says. "There might be a significant event happening, like a concert or a sports event, and instead of just a snippet or picture of it, we can extend the experience by capturing it in an immersive camera and sharing that with people after the event."

STREET VIEW CAR

When we first started Street View as an experimental project, we packed several computers into the back of an SUV, stuck cameras, lasers, and a GPS device on top, and drove around collecting our first imagery. We've come a long way since our initial U.S. launch in 2007; today we've expanded our 360-degree panoramic views to include locations on all seven continents.



IN THE STATE OF SOUTH CAROLINA
In the Court of Appeals

RECEIVED

JUL 09 2015

SC Court of Appeals

APPEAL FROM ORANGEBURG COUNTY
Court of Common Pleas

Edgar W. Dickson, Circuit Court Judge

Case Number 2011-CP-38-01379
Appellate Case Number: 2014-000168

William Breland, Respondent

v.

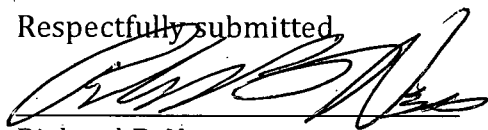
South Carolina Department of Transportation, Appellant.

CERTIFICATE OF COUNSEL

I certify that the Record on Appeal contains all material proposed to be
included by any of the parties and not any other material.

June 22, 2015

Respectfully submitted,



Richard B. Ness
Ness & Jett, LLC
P.O. Box 909
Bamberg, SC 29003
(803) 245-5178
Attorney for Appellant

CERTIFICATE OF SERVICE

RECEIVED

JUL 09 2015

SC Court of Appeals

I, the undersigned of the law offices of Ness & Jett, L.L.C, attorneys for Appellant, South Carolina Department of Transportation (SCDOT), do hereby certify that I have served all counsel in this action with a copy of the pleading(s) herein below specified by mailing a copy of the same by United States Mail, postage prepaid, to the following address:

Pleadings: Appellant's Final Brief, Appellant's Final Reply Brief, and Record on Appeal (Volume I and II), as well as a Certificate of Service

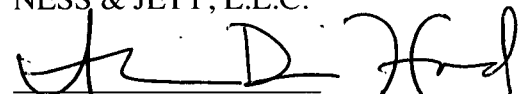
Counsel Served:

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By:



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Bamberg, South Carolina

July 9, 2015