

1 STATE OF SOUTH CAROLINA COURT OF COMMON PLEAS  
TENTH JUDICIAL CIRCUIT  
2 COUNTY OF OCONEE Case No. 2022-CP-37-00447  
3 Frances J. Ratliff, Edward J. Ratliff, Jr.,  
James L. Ratliff, Lucretia B. Morgan,  
4 Sherri Akers Crisp, Amy Cawthon,  
5 Plaintiffs,  
6 vs.  
7 Oconee County, Globe, A South Carolina Limited  
Partnership, Farmes, A South Carolina Limited  
8 Partnership,  
9 Defendants.

**RECEIVED**  
**Mar 08 2024**  
SC Court of Appeals

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30(b)(6)

DEPOSITION OF: SOUTH CAROLINA DEPARTMENT OF  
TRANSPORTATION'S REPRESENTATIVE  
YELENA KALASHNIKOVA

DATE: Thursday, January 25, 2024

TIME: 9:16 a.m.

TIME ENDED: 12:53 p.m.

LOCATION: 1201 Main Street, Suite 1980  
Columbia, South Carolina

REPORTED BY: YVONNE R. THURSTON-BOHANNON  
Registered Merit Reporter,  
Certified Realtime Reporter



1 when you look at Google Maps, Google Earth, the  
2 indication that something is a state road is not  
3 correct --

4 Q. Okay.

5 A. -- may not be correct. And we work  
6 with Google and other providers to correct those  
7 records when they're found.

8 Q. So as far as --

9 A. Like, for instance, Google Earth claims  
10 that Secondary 574 is -- I can't recall the name of  
11 that road. It's County Road -- Crow -- Crow Drive.  
12 If you look at Google map and it's actually High  
13 Falls Road.

14 Q. All right. Use -- Google says Crow  
15 Drive is a state road?

16 A. Yes, and that's wrong.

17 Q. Okay. So as far as who's the ultimate  
18 I guess determiner of the state -- what roads are  
19 state roads, that would be the state DOT?

20 A. Correct. The county roads would be the  
21 county.

22 Q. Okay. So looking at Exhibit 2 just for  
23 some reference points, we see Highway 183 going  
24 across. Whether that's east or west, it's called  
25 Pickens Highway. Do you see that?

1 road.

2 Q. Is -- are you looking at a map to  
3 determine what roads existed or are you saying you  
4 look at --

5 A. No, we do not.

6 Q. Okay.

7 A. The maps were drawn from the documents.

8 Q. We'll look at maps maybe next, and  
9 we'll -- we'll talk about that a little bit.

10 A. Uh-huh.

11 Q. Do you have a knowledge of  
12 approximately when Lake Keowee was created?

13 A. Around 1970 --

14 Q. Okay.

15 A. -- I believe.

16 (30(b)(6) Exhibit 4, General Highway  
17 Map Oconee County South Carolina, marked for  
18 identification.)

19 BY MR. PAAVOLA:

20 Q. I'll hand you what's been marked as  
21 Exhibit 4. Exhibit 4 is a -- is labelled as  
22 "Oconee County, South Carolina," and the bottom of  
23 the first page says, "1957," but then there's a  
24 handwritten notation that also says, "February 1,  
25 1969 -- Revised." Do you see that?

1 A. I do.

2 Q. And do you recognize --

3 A. Now, usually --

4 Q. -- this document?

5 A. -- usually you would want to look at  
6 the actual revision to the table at the top of the  
7 document.

8 Q. Yes, and we will look at that, and I  
9 thought I blew it up on the next page.

10 The next page two pages are -- I have  
11 the legend I've excerpted from the document, and I  
12 have the area in question that I've also excerpted  
13 or blown up for us to look at.

14 A. Uh-huh.

15 Q. I brought this -- do we have this map?  
16 I have this map. That's why I didn't bring it. I  
17 didn't -- I've got this one -- okay.

18 DOT provided this document and -- to us  
19 in response to our subpoena, so I have -- if you  
20 want to verify this is the same -- if you can, the  
21 same document -- large version -- and I'm not going  
22 to put it in the record, but it's -- it has the  
23 same notation down there February 1, 1969. Do you  
24 see that?

25 A. Uh-huh.

1 Q. And it says 1957 --

2 A. Yes.

3 Q. -- in the bottom? Okay.

4 And it is also colored in the area of  
5 the small version I handed you, and then -- so, I  
6 mean, are you comfortable this big map of Oconee  
7 County is what I've handed you --

8 A. Yes.

9 Q. -- the small version? Okay.

10 And so if you would, if you want to  
11 look at the dates and see when that was last  
12 revised, you can do that to let us know.

13 A. It looks like it does match what the  
14 handwritten --

15 Q. Okay.

16 A. -- says, but this states January '68.

17 Q. Okay. So we have a -- the revision  
18 dates -- it has a column for the county. State  
19 system, it says, and then it does say what? It  
20 says February 1st, 1969, there --

21 A. They --

22 Q. -- does it not?

23 A. Correct. I was looking at the wrong  
24 one.

25 Q. There's a column for state '69?

1 A. Yeah, yeah.

2 Q. And what's the date?

3 A. February 1, 1969.

4 Q. And there's a column for the county  
5 system?

6 A. Uh-huh.

7 Q. And what's the revision date for that?

8 A. That is 1968. January 1, 1968.

9 Q. Okay. So this map is, you agree, from  
10 19 -- dated 1957 but updated February 1st, 1969,  
11 for the state system?

12 A. Correct.

13 Q. Let me just ask you, how often does the  
14 DOT issue new maps? It doesn't appear to issue a  
15 new dated map for each revision, but periodically  
16 they issue a new map?

17 A. From the very beginning to today the  
18 schedules vary.

19 Q. What do you -- what does DOT do today?

20 A. I'm sorry?

21 Q. What is DOT's practice today for  
22 issuing --

23 A. It is a sliding scale because our GIS  
24 office produces so many different maps, and this is  
25 not mandated anywhere. We usually do, like I said,

1 on sliding scale. We go through city maps, metro  
2 maps, county maps. So it's an ongoing production.

3 Q. Okay. Yeah.

4 A. And there is no -- so the state map --  
5 the official state map is produced on an annual  
6 basis usually. There are sometimes that we skip a  
7 year, but it's driven by PRT, park, recreation,  
8 tourism --

9 Q. Okay.

10 A. -- office because we provide the map  
11 portion of the state map, and the framing, the  
12 panels, pictures and whatnot are put together by  
13 PRT.

14 Q. Okay. Let's look at the -- the third  
15 page of this document which is an excerpt of the  
16 area that we're asking about today.

17 A. Uh-huh.

18 Q. And I'll just -- I don't know if you  
19 recall -- but for your information the -- the  
20 park -- the pink highlighting and the green  
21 highlighting was something that -- that's how the  
22 document came to us from the DOT. So I don't know,  
23 do you recognize that highlighted --

24 A. I cannot recall this.

25 Q. -- is it someone in your office that

1 did that?

2 A. Possibly.

3 Q. Okay. Is it your practice when folks  
4 are putting document requests for certain roads to  
5 mark the maps up when you provide them?

6 A. Yes, we can mark them, uh-huh.

7 Q. This was how it was provided to me,  
8 so -- and you'll see the pink highlighting.  
9 What -- what does that appear to be tracing?

10 A. It looks like the old location of South  
11 Carolina 183.

12 Q. And that's what we looked at in  
13 Exhibit 3, right, the old location?

14 A. Uh-huh.

15 Q. And then is the new location also  
16 indicated on this map as well?

17 A. The proposed new location with the  
18 dashed line.

19 Q. Okay.

20 A. Even today we have a practice of  
21 putting proposed roads as a dashed line.

22 Q. Okay. So I think the -- the  
23 proposed -- Exhibit 3 we looked at the proposed  
24 State Highway 183 -- the new state highway. That  
25 was dated around 1968, right?



1 referring to the documents we're having copied?

2 A. I don't know how extensive that is in  
3 those documents, but, yes, we do have a description  
4 of Secondary 201.

5 Q. Okay. So we'll ask about that before.

6 But your understanding is that it  
7 goes -- 201 connects Secondary 92 to Secondary 45?

8 A. Correct.

9 Q. And that means it -- it would not go  
10 south past the High Falls Church building?

11 A. Correct.

12 Q. Okay. And you notice there's a --  
13 south past High Falls Church there is a loop, for I  
14 don't know, lack of better description.

15 A. Uh-huh.

16 Q. So is it your understanding -- do you  
17 have an understanding of what that road was called,  
18 if anything?

19 A. By looking at the map I cannot tell the  
20 name of the road, but because it doesn't have the  
21 shield, it tells me that it's not state maintained  
22 road.

23 Q. Okay. So are you able to say today  
24 that that circled -- that -- that loop drive --  
25 looped road is not a state road at the time this

1 map was created?

2 A. Correct.

3 Q. Okay. And then you'll see the green  
4 highlighting is on a shorter section of roadway.  
5 Do you see that green highlighting?

6 A. I do.

7 Q. And does this -- does that road  
8 indicate -- do you -- are you able to tell what the  
9 name of that road is?

10 A. Not from this map, but from my  
11 knowledge. That's the road in question, Ellenburg  
12 Road.

13 Q. Okay. And does this map have an  
14 indication of whether that road is a state road at  
15 this time at 1969 or not?

16 A. Looking at the map only, because it  
17 doesn't have a shield, it looks like, no, it's not  
18 a state maintained road.

19 Q. And would there be any other way to --  
20 I mean, is that enough information for you to  
21 verify that that's the case; in fact, it was not a  
22 state road?

23 A. The map?

24 Q. Yeah.

25 A. No, it's not.

1 Q. Okay. What -- what other information  
2 would you need?

3 A. For instance, the records for location  
4 183 to see if this cross-referenced highway at that  
5 mile point is state maintained or not.

6 Q. Okay. Did you pull those records in  
7 this case?

8 A. We do have those records. I -- I -- I  
9 need to see if I brought them with me. I believe I  
10 do have them.

11 Q. Okay. So in the maintenance records --  
12 or the records for the State Highway 183, that may  
13 tell you whether or not this Ellenburg Road  
14 connected to it was state maintained or not?

15 A. Correct.

16 Q. Okay. And the reason we're --  
17 Ellenburg Road -- do you have any knowledge  
18 whether -- Ellenburg Road in 1969 or not?

19 A. No, I do not.

20 Q. And that's the name we're talking about  
21 today?

22 A. Correct.

23 Q. Do you -- do you have any knowledge of  
24 when that was named?

25 A. No. The county or the cities are the

1 ones who are naming the roads. SCDOT only gives  
2 numbers to the state maintained routes.

3 Q. Okay. And there's a shield here. It  
4 says 61. Do you see that shield?

5 A. I do.

6 Q. Okay. Is that State Secondary Road 61?

7 A. Connector, yes.

8 Q. Connector.

9 And what does a connector mean?

10 A. So if you look at the map, so this  
11 route is Secondary 61 --

12 Q. Okay.

13 A. -- and this is the connector. You see  
14 the arrow pointing to it? So this little piece is  
15 61 connector. So basically it connects 183 to 61.  
16 It's possible that this leg of the road was one way  
17 and this one was the other way. So --

18 Q. Okay. Is it --

19 A. -- that's -- that's the 61 connector.

20 Q. Okay. Is there any indication that  
21 61 -- or the green -- the green section that's  
22 highlighted might have been 61?

23 A. No.

24 Q. There's no indication on this map that  
25 it might have been Highway 61?

1 A. Correct.

2 Q. And at least as of the day of this map  
3 or the update, it does not appear to have -- the  
4 lake does not appear to be created at this point in  
5 time. Would you agree with that?

6 A. I'm sorry?

7 Q. Is it -- in February of 1969 --

8 A. Uh-huh.

9 Q. -- the date this was updated, it  
10 doesn't appear -- Lake Keowee does not appear to be  
11 indicated on this map?

12 A. Correct.

13 (30(b)(6) Exhibit 5, Quit-Claim Deed,  
14 Bates Stamped RATLIFF 000174 Through RATLIFF  
15 000177, marked for identification.)

16 (30(b)(6) Exhibit 6, General Highway  
17 and Transportation Map Oconee County, South  
18 Carolina Dated 1939, marked for identification.)

19 BY MR. PAAVOLA:

20 Q. I will hand you what's been marked as  
21 Exhibit 5 and Exhibit 6. Now, Exhibit 5 is a  
22 quitclaim deed. This was attached to our subpoena.  
23 Have you had a chance to review this quitclaim deed  
24 before come -- coming today?

25 A. Not in the last couple days.

1 A. 1972.

2 Q. -- 1972. That's after the lake was  
3 created, correct?

4 A. Correct.

5 Q. So when we looked at Exhibit 4,  
6 Exhibit 4 was the 1969 one? If you pull that out.

7 A. Uh-huh.

8 Q. So when we looked at Exhibit 4, we  
9 looked at the excerpt around the areas in question,  
10 so the -- the blown-up section.

11 Was -- at this time in 1969 you had  
12 stated that the -- the roads, the loop south of  
13 Highway 201 was not a state road?

14 A. Correct.

15 Q. But like I said, 1972 -- it appears to  
16 be the leftover portion or a remaining portion of  
17 this southern loop that goes by the church did  
18 eventually become a state road?

19 A. A portion of it, yes, was --

20 Q. A portion of it.

21 A. -- added to the state -- to the state  
22 system, correct.

23 Q. After -- after the lake was created?

24 A. Correct.

25 Q. Okay.



1 I guess the source documents are the packets that  
2 you provide for us in Exhibits, like, 8 through 10,  
3 right?

4 A. Correct.

5 Q. Okay.

6 A. Yes, because maps could be created much  
7 later.

8 Q. Okay. I just want to look at this  
9 first -- this first map here is Exhibit 11. It  
10 says 1971 on the first page, but then I've blown up  
11 the date -- the revision date on the second page  
12 and it has a January 1973 date. Do you see that?

13 A. I do.

14 Q. Okay. And so in the page three is also  
15 some -- a blowup of the area in question. I'm just  
16 going to identify it. It appears at this point in  
17 time that Highway 201, the section that goes to the  
18 south -- it looks like a railroad that goes to the  
19 south. Is that Highway 201? Do you see --

20 A. No, that is not.

21 Q. Okay.

22 A. That's the portion that will later  
23 become Secondary 574.

24 Q. Right. Okay. That's what I was  
25 wanting to confirm. Okay.

1                   201 has a little bit of -- has a  
2 little -- again, is a little bit of 201 that  
3 continues east past that southern route -- road.

4           A.     Correct.

5           Q.     Okay. And then if you look at  
6 Exhibit 12, this is the map -- Oconee County map  
7 from DOT from 19 -- it says '71 on the first page,  
8 but the revised date says March 1st, 1974, right,  
9 on page two?

10          A.     Correct.

11          Q.     Okay. And then it looks like at this  
12 point in time in March of '74 -- and I'm sure the  
13 documents would support that, but that Southern  
14 Railway is now being accepted in the state system  
15 and is identified as 574?

16          A.     Correct.

17          Q.     Okay. And the green section we're --  
18 we're here about today which is the current  
19 Ellenburg Road, again, there's no state highway  
20 indication marking that road, is there, in 1974?

21          A.     No, there isn't.

22          Q.     And -- but -- and now we do see 605 on  
23 this map here?

24          A.     Correct. That's the old Secondary 61  
25 which got renumbered later to Secondary 605 after

1 Q. -- what the office is saying?

2 A. Yes.

3 Q. Okay. And the last page of the  
4 document SC 08, this is number four in there, and  
5 it indicates that "S-12 is currently in place at  
6 the old location or portion of SC 183," which we've  
7 discussed, right?

8 A. Uh-huh. Yes.

9 Q. And -- and even though the road in  
10 question was not a state maintained road, and  
11 that's what you -- that's what you've testified to  
12 today, right, Ellenburg Road was not a state  
13 maintained road?

14 A. Correct.

15 Q. Let me just ask you this question here  
16 about...

17 (30(b)(6) Exhibit 17, Google Maps High  
18 Falls County Park, marked for identification.)

19 BY MR. PAAVOLA:

20 Q. And you said earlier -- you talked  
21 about Google Maps being sometimes accurate,  
22 sometimes not accurate, but I just wanted to ask  
23 you, on this Google map it shows -- it shows  
24 Pickens Highway 183 on the top, right, and you see  
25 State Road S-37 201 comes off of it?

1 A. Uh-huh.

2 Q. Does that address mean anything -- or  
3 help me understand what Route 1 was.

4 A. SCDOT does not operate by addresses.

5 Q. Okay. So -- so Route 1 is a  
6 meaningless identification or maybe just a mail  
7 identification like from -- from the postal office?

8 A. It could be. You know how people say  
9 Highway 1. To SCDOT that doesn't mean anything  
10 because is it a C-1? Is it a Secondary 1? Is it  
11 U.S. 1? We're -- we're number people.

12 Q. Okay. And the -- the only name that  
13 y'all were able to identify for Ellenburg Road was  
14 local 900?

15 A. Yes, based on our records.

16 Q. Okay. And so y'all don't have any  
17 records of turning that road over to Oconee County?

18 A. We do not.

19 Q. Okay. And you don't have any records  
20 of state maintenance on Ellenburg Road?

21 A. We do not.

22 Q. How -- how would a public road lose its  
23 status as a public road?

24 A. Again, if it's a public road that is  
25 not state maintained, it can be I guess abandoned

1 by the county or the city or a development is being  
2 placed or the route is being closed through court  
3 order closure. There is multiple ways.

4 For state maintained roads, as I  
5 mentioned from the very beginning, it can be  
6 abandonment due to relocation, again, court order  
7 closure, or transfer to another government or  
8 nongovernment entity. But the transfer doesn't  
9 mean that the road is no longer a public road. It  
10 just means that it is not maintained by South  
11 Carolina DOT by the state.

12 Q. So if historically that had been  
13 transferred to Oconee County, there should be some  
14 documentation of that?

15 A. We should have a record of it, yes.

16 Q. And if it had been ordered closed by a  
17 court order, there would be a record of that?  
18 There would be a court order?

19 A. There would have to be a record of  
20 that, yes.

21 Q. Okay. Okay. I remember you said  
22 something about engineering directive 41 earlier to  
23 me.



24 A. Correct.

25 Q. Can you explain what that is?























# LEGEND


## CITIES & TOWNS

- COUNTY SEAT -----   
 OTHER CITIES & VILLAGES ----- 






## CULTURAL FEATURES

- DWELLING -----   
 ROW OF DWELLINGS -----   
 TRAILER PARK -----   
 BUSINESS ESTABLISHMENT -----   
 POST OFFICE, P. O. & BUSINESS -----   
 FACTORY OR INDUSTRIAL PLANT -----   
 CHURCH -----   
 CHURCH & CEMETERY -----   
 CEMETERY -----   
 SCHOOL -----   
 HOTEL -----   
 MOTEL OR TOURIST COURT -----   
 HOSPITAL -----   
 REST HOME -----   
 COMMUNITY HALL -----   
 CAMP OR LODGE -----   
 SAWMILL -----   
 TURPENTINE STILL -----   
 HWY MAINTENANCE SHOP -----   
 CORRECTIONAL INSTITUTION -----   
 ARMORY ----- 



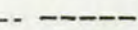


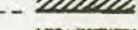

DOT TO INDICATE LOCATION OF ANY CULTURAL FEATURE SHOWN OUT OF POSITION 

GROUP OF MIXED CULTURAL FEATURES CLOSELY SPACED   
 Figure above bar indicates number of dwellings included in the group. Figures over individual units show number of each included regardless of order







## DRAINAGE

- DRAINAGE DITCH -----   
 NARROW STREAM -----   
 WIDE STREAM OR RIVER -----   
 FORD -----   
 FERRY (F.F. Free T.F. Toll) ----- 


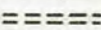



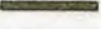




## BOUNDARIES


- COUNTY LINE -----   
 STATE LINE -----   
 CORPORATE LIMITS -----   
 ENLARGEMENT INSET -----   
 DELIMIT AREA -----   
 NAT'L & STATE FOREST -----   
 STATE PARK ----- 

## ROAD SYSTEMS







- INTERSTATE -----   
 U.S. NUMBERED HIGHWAY -----   
 STATE HIGHWAY - PRIMARY -----   
 STATE HIGHWAY - SECONDARY -----   
 FEDERAL AID PRIMARY SYSTEM -----   
 FEDERAL AID SECONDARY SYSTEM ----- 

## ROAD TYPES







- PRIVATE -----   
 PRIMITIVE -----   
 UNIMPROVED -----   
 GRADED & DRAINED -----   
 IMPROVED -----   
 BITUMINOUS (Low Type) -----   
 PAVED (High Type) -----   
 STREETS -----   
 4-OR MORE LANES -----   
 -LIMITED CONTROL -----   
 -FULL CONTROL -----   
 FULL INTERCHANGE -----   
 PARTIAL INTERCHANGE ----- 

FIGURES ALONG ROAD SHOW MILEAGE BETWEEN POINTS MARKED ----- 

## STRUCTURES

- GENERAL HWY. BRIDGE (Over 20') -----   
 GEN HWY. DRAWBRIDGE (Over 20') -----   
 TRUSS (W Wood S Steel) -----   
 SUSPENSION BR (Over 20') -----   
 ARCH BRIDGE (Over 20') -----   
 BRIDGES TOO CLOSE TO SYMBOLIZE SEPARATELY ----- 

## RAILROADS

- RAILROAD -----   
 ELECTRIC R. R. -----   
 R. R. STATION -----   
 GRADE CROSSING -----   
 OVERHEAD -----   
 UNDERPASS ----- 





## AIRWAYS

- AIRWAY -----   
 MILITARY AIR FIELD -----   
 AIRPORT COMPLETE FACILITIES -----   
 AIRFIELD LIMITED -----   
 LANDING STRIP -----   
 AIRWAY BEACON LIGHT ----- 

## MISC. SYMBOLS

- GAME PRESERVE (S. State U.S. Fed.) -----   
 GAME FARM -----   
 BIRD SANCTUARY -----   
 FISH HATCHERY -----   
 FOREST RANGER STATION -----   
 GARBAGE AND RUBBISH -----   
 JUNKYARD - AUTO -----   
 JUNKYARD - SCRAP METAL -----   
 POWER HOUSE OR SUB STATION -----   
 PUMPING STATION -----   
 TRANSMISSION PIPE LINE -----   
 TRANSMISSION LINE -----   
 TELEGRAPH & TELEPHONE LINES -----   
 QUARRY -----   
 GRAVEL SAND OR CLAY PIT -----   
 MINE - GOLD SILVER ETC. -----   
 TANKS -----   
 MARSH SWAMP -----   
 RADIO STATION -----   
 Call letters indicated -----   
 RADIO TOWER ----- 

## MISC. STRUCTURES

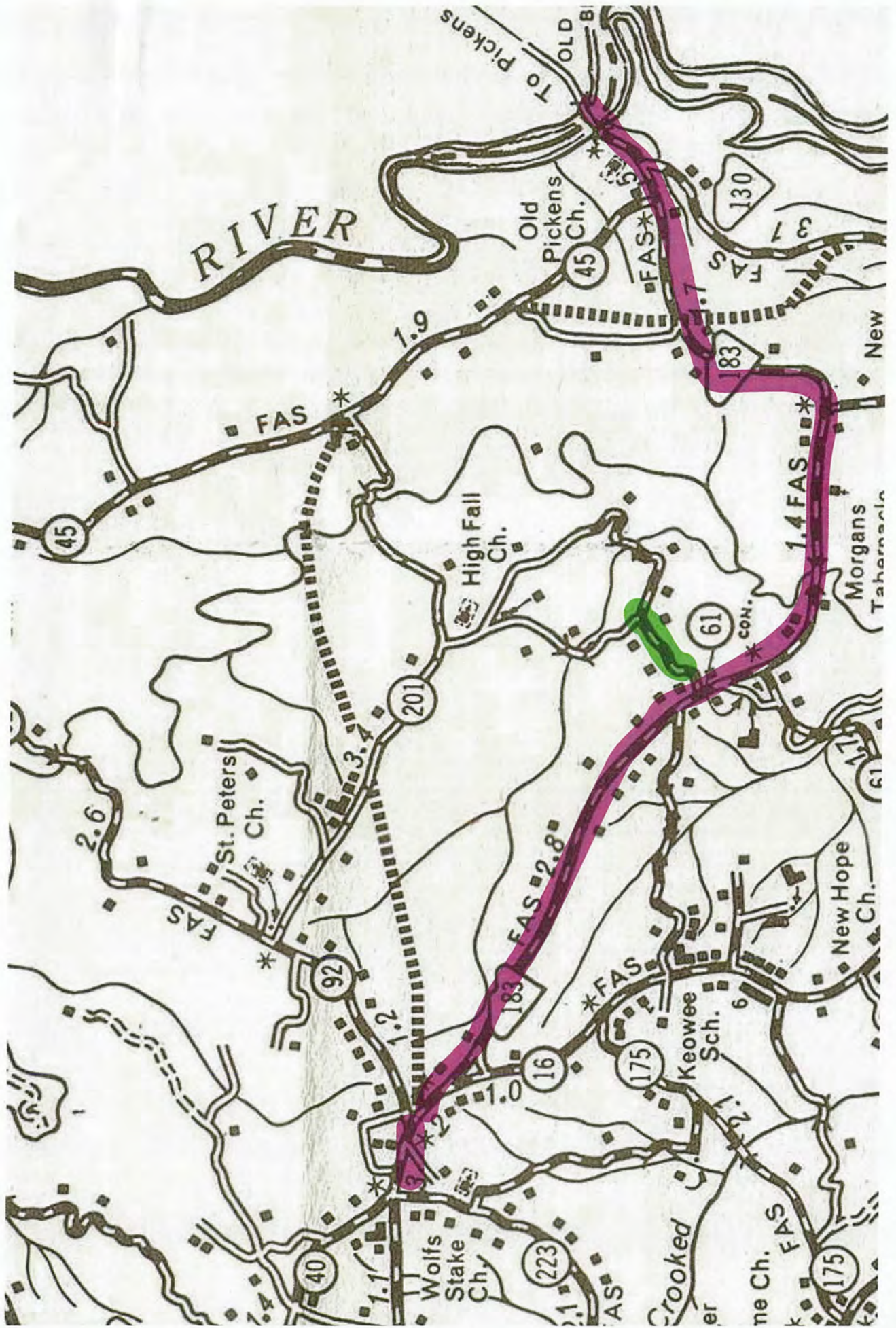
- CANAL -----   
 LOCK CANAL -----   
 DOCK PIER OR LANDING -----   
 GAUGING STATION -----   
 DAM WITH LOCK -----   
 DAM WITH ROAD & LOCK -----   
 DAM WITH ROAD -----   
 RESERVOIR POND OR LAKE -----   
 LEVEE -----   
 NAVIGABLE STREAM -----   
 HEAD OF NAVIGATION -----   
 LIGHT NAUTICAL -----   
 LIGHTHOUSE ----- 

## RECREATIONAL

- DRIVE IN THEATRE -----   
 SCENIC SITE -----   
 PICNIC GROUNDS -----   
 BATHING BEACH -----   
 PLAY GROUND BALL FIELDS ETC. -----   
 FAIR GROUNDS RACE COURSE OR SPEEDWAY -----   
 GOLF COURSE OR COUNTRY CLUB -----   
 SMALL PARK (S. P. State M. P. Municipal C. P. County) -----   
 SMALL MONUMENT OR POINT OF HISTORICAL INTEREST ----- 



ROADS UNDER CONSTRUCTION





COMPLETED JULY 1971	
REVISED	
STATE SYSTEM	COUNTY SYSTEM
SEPT. 1, 1971	JAN. 1, 1972
JAN. 1, 1973	JAN. 1, 1973
MAR. 1, 1974	

# LEGEND

1:300,000  
83°20'

1:325,000

- CITIES & TOWNS**
- COUNTY SEAT
  - OTHER CITIES & VILLAGES
- CULTURAL FEATURES**
- DWELLING
  - ROW OF DWELLINGS
  - HOUSE TRAILER
  - TRAILER PARK
  - SERVICE STATION
  - SERV STA & BUS
  - BUSINESS ESTABLISHMENT
  - POST OFFICE, P. O. & BUSINESS
  - FACTORY OR INDUSTRIAL PLANT
  - CHURCH
  - CHURCH & CEMETERY
  - CEMETERY
  - SCHOOL
  - HOTEL
  - MOTEL OR TOURIST COURT
  - HOSPITAL
  - REST HOME
  - COMMUNITY HALL
  - CAMP OR LODGE
  - SAWMILL
  - TURPENTINE STILL
  - HWY MAINTENANCE SHOP
  - CORRECTIONAL INSTITUTION
  - ARMORY
  - FORT
  - DOT TO INDICATE LOCATION OF ANY CULTURAL FEATURE SHOWN OUT OF POSITION
  - GROUP OF MIXED CULTURAL FEATURES CLOSELY SPACED
  - Figures above bar indicate number of dwellings included in the group. Figures over individual units show number of each included regardless of order.
- DRAINAGE**
- DRAINAGE DITCH
  - NARROW STREAM
  - WIDE STREAM OR RIVER
  - FORD
  - FERRY (1 F. 1/2 F. 1 F. 1 1/2 F.)
- BOUNDARIES**
- COUNTY LINE
  - STATE LINE
  - CORPORATE LIMITS
  - ENLARGEMENT INSET
  - DELIMIT AREA
  - NAT'L STATE FOREST
  - STATE PARK
- ROAD SYSTEMS**
- INTERSTATE
  - U.S. NUMBERED HIGHWAY
  - STATE HIGHWAY - PRIMARY
  - STATE HIGHWAY - SECONDARY
  - FEDERAL AID PRIMARY SYSTEM
  - FEDERAL AID SECONDARY SYSTEM
- ROAD TYPES**
- PRIVATE
  - PRIMITIVE
  - UNIMPROVED
  - GRADED & DRAINED
  - IMPROVED
  - BITUMINOUS (Low Type)
  - PAVED (High Type)
  - STREETS
  - 4 - OR MORE LANES
  - LIMITED CONTROL
  - FULL CONTROL
  - INTERCHANGE DETAIL
  - FIGURES ALONG ROAD SHOW MILEAGE BETWEEN POINTS MARKED

- STRUCTURES**
- GENERAL HWY BRIDGE (Over 20')
  - GEN HWY DRAWBRIDGE (Over 20')
  - TRUSS (W Wood S Steel)
  - SUSPENSION BR (Over 20')
  - ARCH BRIDGE (Over 20')
  - BRIDGES TOO CLOSE TO SYMBOLIZE SEPARATELY
- RAILROADS**
- RAILROAD
  - ELECTRIC R R
  - R R STATION
  - GRADE CROSSING
  - OVERHEAD
  - UNDERPASS
- AIRWAYS**
- AIRWAY
  - MILITARY AIRFIELD
  - AIRPORT COMPLETE FACILITIES
  - AIRFIELD LIMITED
  - LANDING STRIP
  - AIRWAY BEACON LIGHT
- MISC SYMBOLS**
- GAME PRESERVE (S. 5000 U.S. Fed.)
  - GAME FARM
  - BIRD SANCTUARY
  - FISH HATCHERY
  - FOREST RANGER STATION
  - LOOKOUT TOWER
  - WATER SUPPLY
  - GARBAGE AND RUBBISH
  - JUNKYARD - AUTO
  - JUNKYARD - SCRAP METAL
  - POWER HOUSE OR SUB STATION
  - PUMPING STATION
  - TRANSMISSION PIPE LINE
  - TRANSMISSION LINE
  - TELEGRAPH & TELEPHONE LINES
  - QUARRY
  - GRAVEL SAND OR CLAY PIT
  - MINI-GOLD SILVER ETC
  - TANKS
  - MARSH SWAMP
  - RADIO STATION
  - COR LETTERS
  - RADIO TOWER
- MISC STRUCTURES**
- CANAL
  - LOCK CANAL
  - DOCK PIER OR LANDING
  - GAUGING STATION
  - DAM WITH LOCK
  - DAM WITH ROAD & LOCK
  - DAM WITH ROAD
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  - LEVEE
  - NAVIGABLE STREAM
  - HEAD OF NAVIGATION
  - LIGHT NAUTICAL
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- RECREATIONAL**
- DRIVE IN THEATRE
  - SCENIC SITE
  - PICNIC GROUNDS
  - BATHING BEACH
  - PLAY GROUND BALL FIELDS ETC
  - CAMP SITE
  - RECREATION AREA
  - FAIR GROUNDS RACE COURSE OR SPEEDWAY
  - GOLF COURSE OR COUNTRY CLUB
  - SMALL PARK (S R 5000 S P Numbered C R County)
  - SMALL MONUMENT OR POINT OF HISTORICAL INTEREST

35°00'

725 000

34°55'

700 000

