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# LWIN Gap Analysis

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30 October 2009

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Governor's Office of Homeland  
Security and Emergency  
Preparedness

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## Executive Overview

The purpose of this report is to be used as a tool in determining the most cost-effective selections of the final sites within the Louisiana Wireless Information Network (LWIN). The analysis focuses on 21 major gaps of coverage located in the central and northern portion of the state and 20 minor gaps of coverage spread throughout the state. The following metrics were identified and used:

- Total Area of Gap (Square Miles)
- Total Area of Gap without Federal Land (Square Miles)
- Total Population
- Miles of State Highway
- Critical Infrastructure
- Parishes Impacted
- Urban Areas Impacted
  - Total Area Covered by Gap (Square Miles)
  - Percentage of Urban Area in Gap

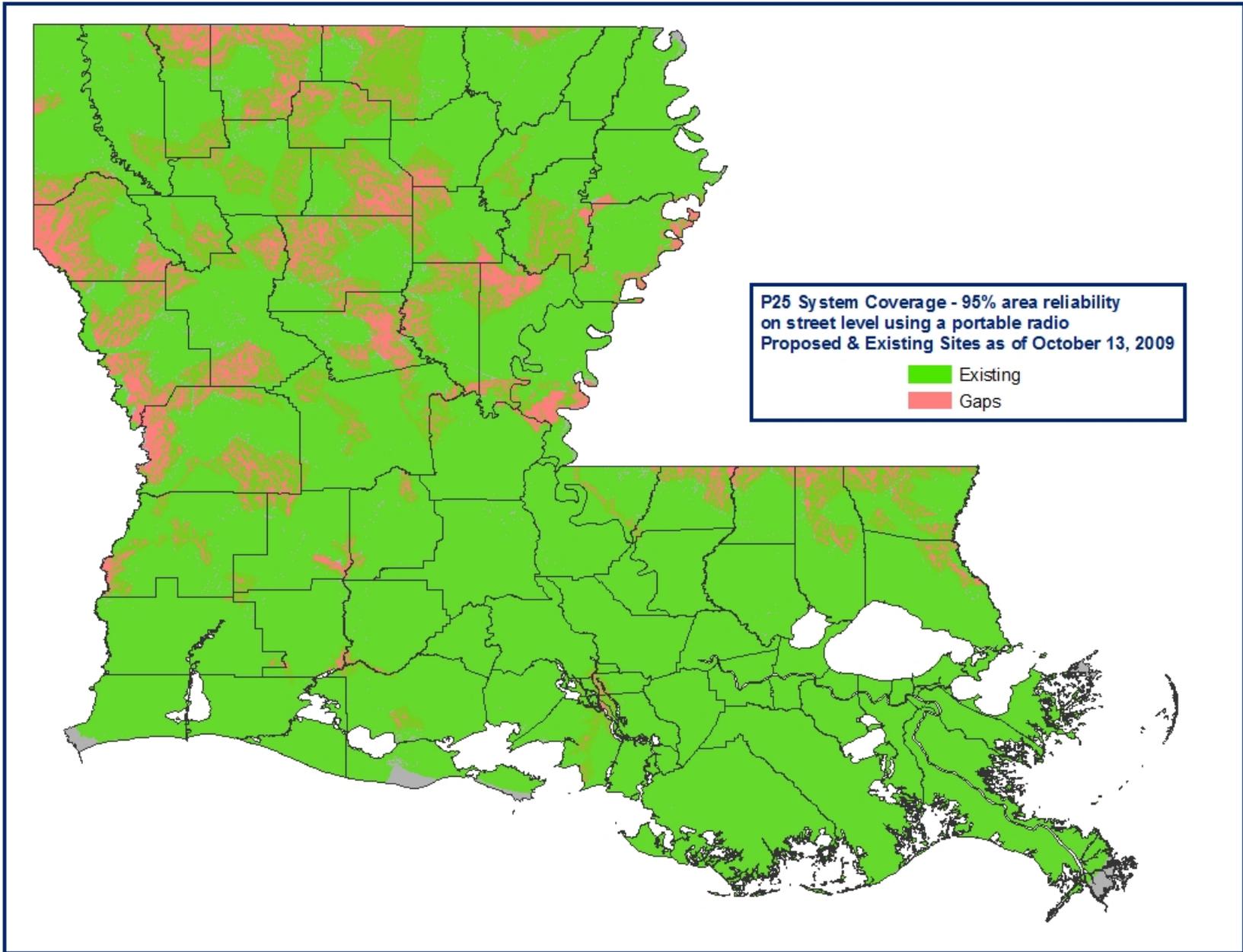
The Major and Minor Gaps by Weighted Score was developed using the following 4 metrics:

1. Total Area of Gap without Federal Land (Square Miles)
2. Total Population
3. Miles of State Highway
4. Numbers of Urban Areas in Gap

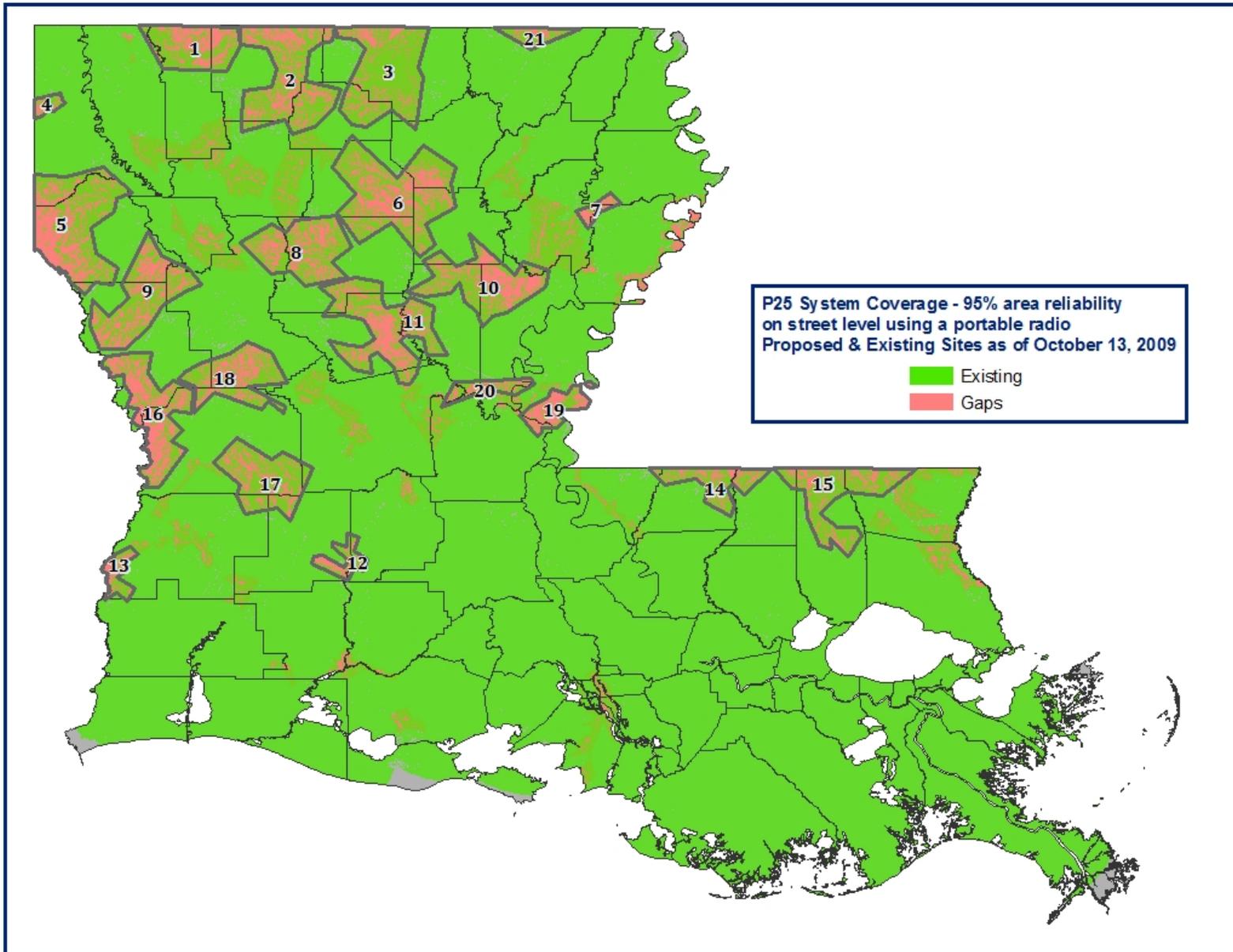
Population was given the highest weight and the raw score of this metric was multiplied by a factor of 4. The next highest weight was Total Area of Gap without Federal Land and was multiplied by a factor of 2. The remaining 2 metrics were used as scored. This weighting was done to emphasize the importance of population over all other metrics, seconded by coverage area, and followed by the remaining metrics being of equal importance in relation to each other.

Additionally, the percentage of coverage area for each parish has been computed to illustrate both the raw coverage area and the coverage area without gaps. The differences between each parish's percentages account for the normal loss due to noise to signal ratio, natural derogation of signal as it travels further from a site, and unique terrain characteristics of each parish. For planning purposes of this analysis, the Coverage by Parish without Gap Areas chart will be used to determine when each parish has achieved the goal of 95% or greater cover area.

### State Overview of Coverage

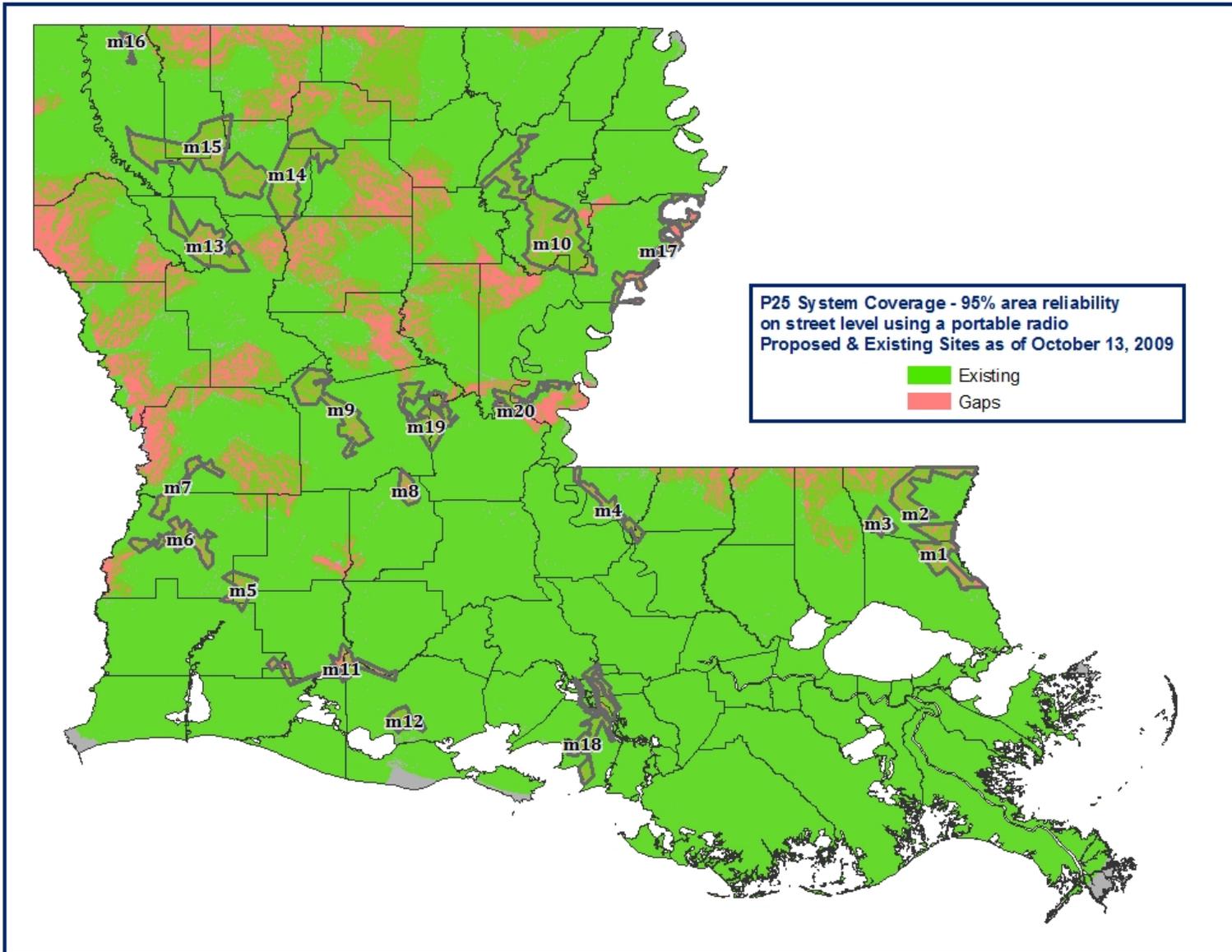


### Major Gap Reference Guide



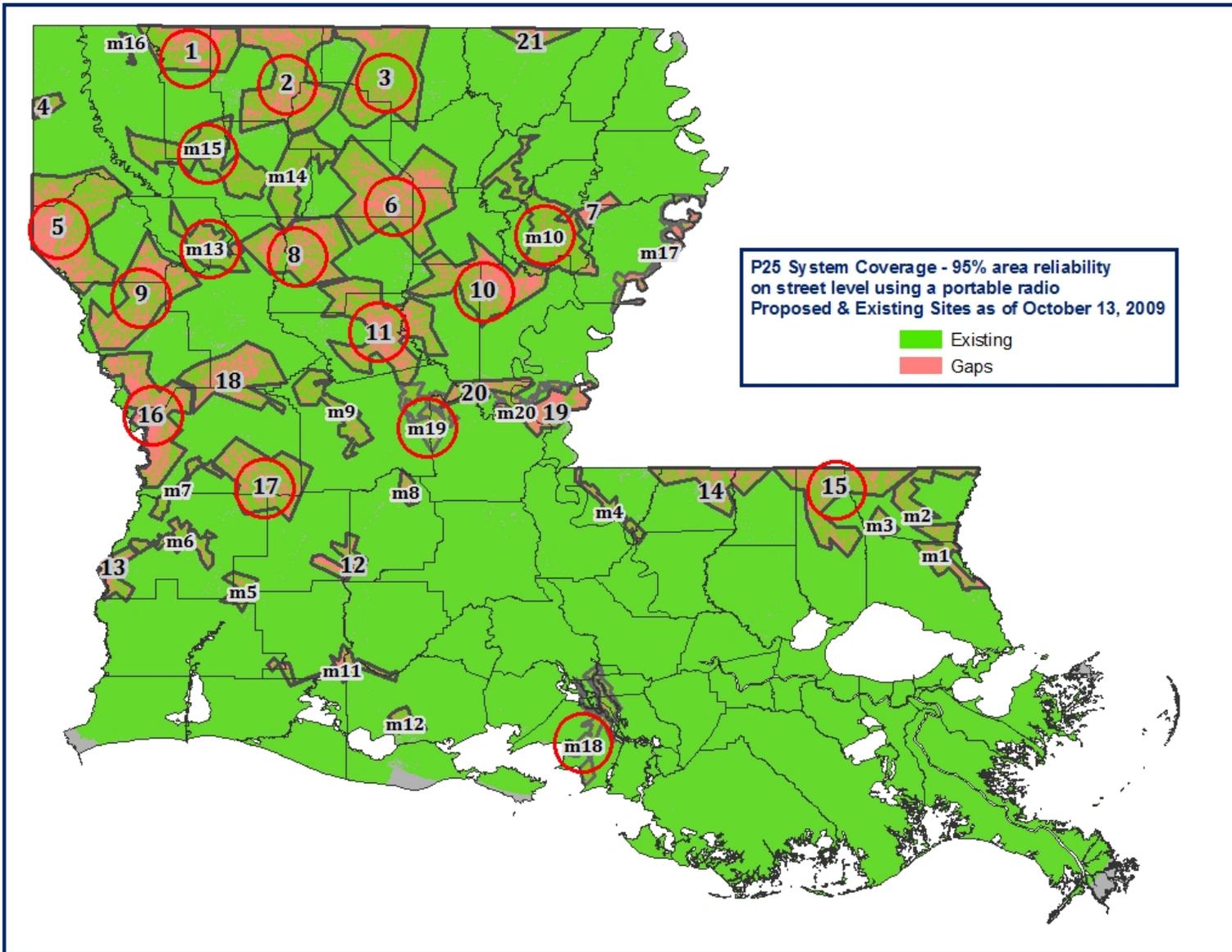
Gap	Page Number
1	12
2	13
3	14
4	15
5	16
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8	19
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10	21
11	22
12	23
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16	27
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19	30
20	31
21	32

### Minor Gap Reference Guide



Gap	Page Number
1	33
2	34
3	35
4	36
5	37
6	38
7	39
8	40
9	41
10	42
11	43
12	44
13	45
14	46
15	47
16	48
17	49
18	50
19	51
20	52

### Recommended Priorities for Gaps



Gap Priority	Gap	Page Number
1	1	12
2	5	16
3	2	13
4	3	14
5	6	17
6	m15	47
7	15	26
8	m10	42
9	9	20
10	16	27
11	17	28
12	11	22
13	10	21
14	m13	45
15	8	19
16	m19	51
17	m18	50

## Major and Minor Gaps by Weighted Score

Gap	Area	Primary Parish	Miles of Highway	Urbanized Areas	Population	Score
1	7	Webster	6	6	10	66
5	10	De Soto	8	7	10	75
2	10	Claiborne	9	6	9	71
3	10	Union	8	3	10	71
6	10	Jackson	8	3	10	71
m15	8	Bienville	5	9	10	70
15	8	Tangipahoa	9	4	10	69
m10	8	Franklin	8	4	10	68
9	10	Sabine	8	3	9	67
16	9	Sabine	6	2	8	58
17	5	Vernon	5	2	10	57
11	5	Grant	6	5	8	53
10	9	Catahoula	6	3	6	51
m13	4	Red River	4	1	8	45
8	5	Winn	7	3	6	44
m19	3	Rapides	1	2	8	41
m18	4	Iberia	1	1	7	38
m1	3	St. Tammany	3	1	6	34
m2	3	Washington	3	2	5	31
m11	2	Vermilion	1	1	6	30
m14	5	Bienville	4	2	3	28
14	4	East Feliciana	3	2	3	25
m9	2	Rapides	2	1	3	19
18	3	Natchitoches	3	1	2	18
m4	2	West Feliciana	1	1	3	18
20	3	Catahoula	2	1	2	17
4	1	Caddo	1	1	3	16
m6	3	Beauregard	1	1	2	16
m5	2	Allen	1	1	2	14
m17	3	Tensas	2	1	1	13

## Major and Minor Gaps by Weighted Score Continued

Gap	Area	Primary Parish	Miles of Highway	Square Miles of Urbanized Area	Population	Score
19	3	Concordia	1	1	1	12
21	2	Morehouse	2	1	1	11
12	2	Allen	1	1	1	10
13	2	Beauregard	1	1	1	10
m7	2	Vernon	1	1	1	10
7	1	Franklin	1	1	1	8
m3	1	Washington	1	1	1	8
m8	1	Evangeline	1	1	1	8
m12	1	Vermilion	1	1	1	8
m16	1	Bossier	1	1	1	8
m20	1	Concordia	1	1	1	8

### Statistical Summary of Major Gaps (All Distances in Miles)

Gap	Total Area	Total Federal Land in Gap	Total Gap without Federal Land	Urban Area in Gap	% of Gap that is Urban	Miles of State Highway in Gap	Total Population in Gap
1	308	0	308	22.61	7.34%	147	16,791
2	577	37.57	539.43	18.78	3.25%	219	8,364
3	569	0	569	5.9	1.04%	194	14,979
4	39	0	39	1.08	0.03%	16	2,118
5	652	0	652	22.2	3.40%	187	19,397
6	707	0	707	2.61	0.37%	190	10,145
7	46	16.35	29.65	0	0%	4	181
8	411	205.47	205.53	15.56	3.79%	155	5,180
9	452	0	452	6.28	1.39%	178	8,610
10	440	0	440	2.86	0.65%	145	5,344
11	541	311.92	229.08	1.94	0.36%	146	7,889
12	89	0	89	0.14	0.16%	12	605
13	89	0	89	0	0%	18	363
14	200	0	200	4.12	2.06%	62	2,970
15	394	0	394	9.24	2.35%	223	15,775
16	449	2.5	446.5	2.95	0.66%	132	7,373
17	377	147.63	229.37	1.72	0.46%	104	10,683
18	344	231.86	112.14	0.81	0.24%	54	1,205
19	148	1.75	146.25	0	0%	14	125
20	106	0	106	2.32	2.19%	28	1,313
21	79	0	79	0	0%	36	547

### Statistical Summary of Minor Gaps (All Distances in Miles)

Gap	Total Area	Total Federal Land in Gap	Total Gap without Federal Land	Urban Area in Gap	% of Gap that is Urban	Miles of State Highway in Gap	Total Population in Gap
m1	150	32.31	117.69	4.1	0.03%	63	5,352
m2	126	0	126	1.5	1.19%	59	4,477
m3	36	0	36	0	0%	12	824
m4	63	0	63	1.61	2.56%	23	2,752
m5	59	0	59	0	0%	2	1,461
m6	101	0	101	0	0%	24	1,402
m7	57	6.35	50.65	0	0%	5	716
m8	35	0	35	0	0%	7	378
m9	168	101.17	66.83	1.38	0.82%	36	2,953
m10	389	0	389	7.05	1.81%	191	17,014
m11	96	0.17	95.83	2.37	2.47%	21	5,665
m12	42	0	42	0	0%	6	945
m13	171	0	171	6.45	3.77%	93	7,300
m14	235	12.73	222.27	2.48	1.06%	93	2,806
m15	371	14.98	356.02	16.47	4.44%	120	9,396
m16	11	0	11	0	0%	3	69
m17	115	0	115	0.08	0.07%	29	319
m18	167	0	167	7.12	4.26%	11	6,352
m19	135	0	135	0.51	0.38%	3	7,183
m20	57	7.02	49.98	0	0%	24	174

### Methodology for Scoring System

Value Description	1	2	3	4	5	6	7	8	9	10
Area (Sq Mi)	0 - 50	51 - 100	101 - 150	151 - 200	201 - 250	251 - 300	300 - 350	351 - 400	401 - 450	> 450
Population	0 - 1000	1001 - 2000	2001 - 3000	3001 - 4000	4001 - 5000	5001 - 6000	6001 - 7000	7001 - 8000	8001 - 9000	> 9000
Major Roads	0 - 25	26 - 50	51 - 75	76 - 100	101 - 125	126 - 150	151 - 175	176 - 200	201 - 225	> 225
Urbanized Portion of Gap	< 1	2	3	4	5	6	7	8	9	> 9

#### Detailed Descriptions of Methodology

**Area:**

Area was calculated using the calculate geometry function in ArcView to assess the square miles of the gaps. This value was then multiplied by 2

**Population:**

Population was calculated by using the census point block file to assess estimated population within the gaps. This value was then multiplied by 4 to emphasize the criticality of population in the analysis of LWIN gaps.

**Major Roads:**

Major roads were calculated using the LAGIC roads file for Louisiana. Major roads include state highways, US highways and interstates.

**Urbanized Portion of Gap:**

This is the number of Census determined census areas that intersect the gap.

## Coverage by Parish

Parish	% of Parish with Coverage	Parish	% of Parish with Coverage
Acadia	98.33%	Madison	95.54%
Allen	93.46%	Morehouse	95.28%
Ascension	100%	Natchitoches	84.36%
Assumption	96.44%	Orleans	100%
Avoyelles	96.53%	Ouachita	92.56%
Beauregard	93.22%	Plaquemines*	89.89%
Bienville	93.54%	Pointe Coupee	99.83%
Bossier	97.34%	Rapides	96.25%
Caddo	93.06%	Red River	92.79%
Calcasieu	99.07%	Richland	97.52%
Caldwell	86.30%	Sabine	71.81%
Cameron*	97.20%	St. Bernard*	89.59%
Catahoula	78.89%	St. Charles	98.99%
Claiborne	68.19%	St. Helena	91.22%
Concordia	85.16%	St. James	99.60%
DeSoto	65.32%	St. John	100%
East Baton Rouge	99.79%	St. Landry	99.57%
East Carroll	89.59%	St. Martin	99.50%
East Feliciana	86.40%	St. Mary*	96.27%
Evangeline	96.47%	St. Tammany	95.42%
Franklin	90.55%	Tangipahoa	90.97%
Grant	73.34%	Tensas	88.46%
Iberia*	94.50%	Terrebonne*	93.68%
Iberville	100%	Union	86.85%
Jackson	72.76%	Vermilion*	91.91%
Jefferson*	91.12%	Vernon	77.69%
Jefferson Davis	97.56%	Washington	86.85%
Lafayette	100%	Webster	81.30%
Lafourche*	98.41%	West Baton Rouge	100%
LaSalle	83.38%	West Carroll	99.72%
Lincoln	82.42%	West Feliciana	96.01%
Livingston	99.85%	Winn	78.87%

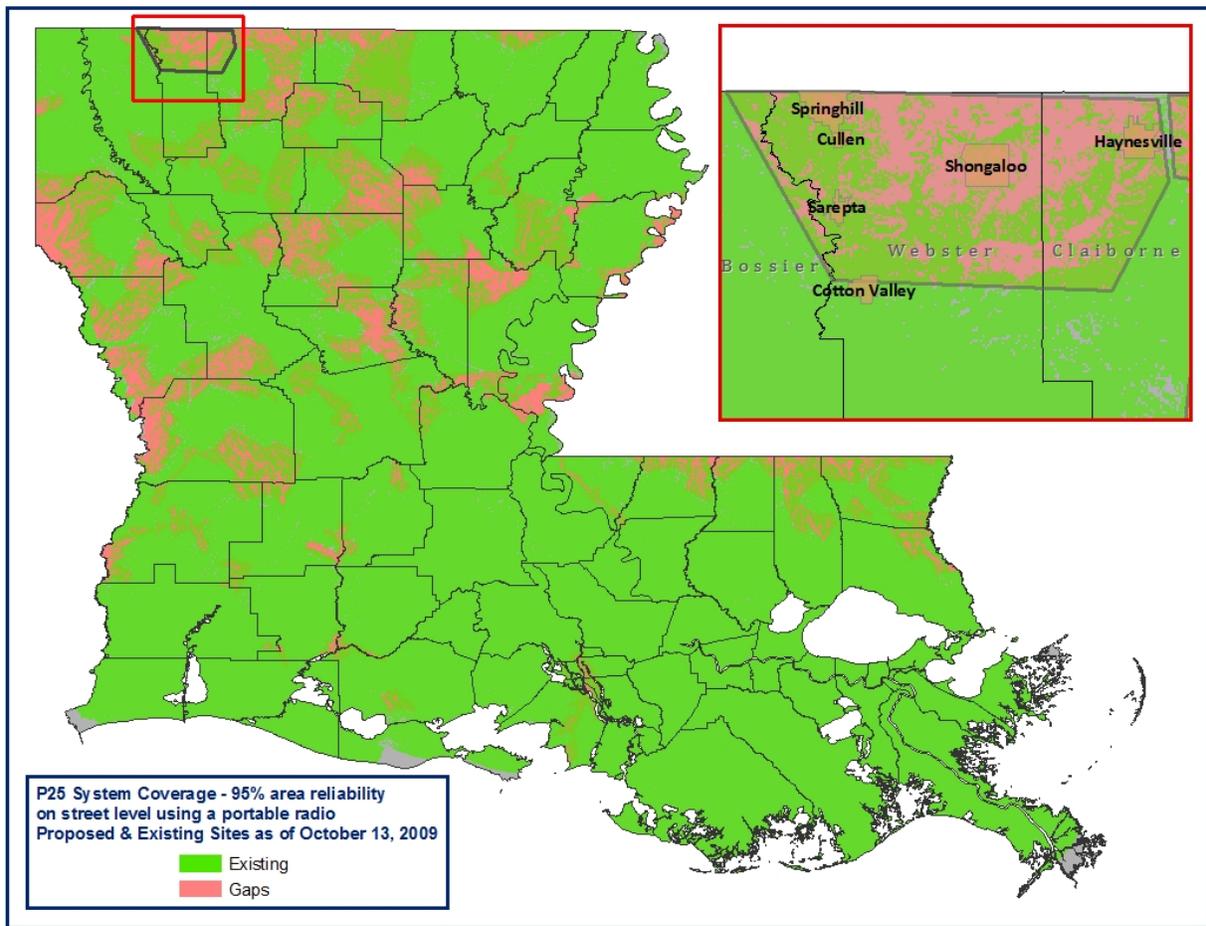
\* Values for coastal parishes may contain a slight degree of error due to file clipping to coastal boundaries that was performed by Motorola.

### Coverage by Parish without Gap Areas

Parish	% of Parish with Coverage	Parish	% of Parish with Coverage
Acadia	96.65%	Madison	94.62%
Allen	82.22%	Morehouse	90.31%
Ascension	100%	Natchitoches	65.49%
Assumption	100%	Orleans	100%
Avoyelles	88.55%	Ouachita	80.22%
Beauregard	78.11%	Plaquemines*	100%
Bienville	58.34%	Pointe Coupee	100%
Bossier	87.88%	Rapides	78.25%
Caddo	83.76%	Red River	69.65%
Calcasieu	98.52%	Richland	84.93%
Caldwell	63.15%	Sabine	46.88%
Cameron*	99.58%	St. Bernard*	100%
Catahoula	60.62%	St. Charles	100%
Claiborne	36.11%	St. Helena	82.20%
Concordia	77.94%	St. James	100%
DeSoto	29.75%	St. John	100%
East Baton Rouge	99.58%	St. Landry	100%
East Carroll	100%	St. Martin	96.62%
East Feliciana	66.23%	St. Mary*	85.40%
Evangeline	90.57%	St. Tammany	87.99%
Franklin	51.97%	Tangipahoa	69.01%
Grant	52.56%	Tensas	81.90%
Iberia*	94.67%	Terrebonne*	100%
Iberville	100%	Union	48.51%
Jackson	36.90%	Vermilion*	94.47%
Jefferson*	100%	Vernon	53.06%
Jefferson Davis	93.13%	Washington	51.70%
Lafayette	100%	Webster	47.80%
Lafourche*	100%	West Baton Rouge	100%
LaSalle	54.83%	West Carroll	100%
Lincoln	36.86%	West Feliciana	86.15%
Livingston	100%	Winn	48.43%

\* Values for coastal parishes may contain a slight degree of error due to file clipping to coastal boundaries that was performed by Motorola.

### GAP 1



308 | Total Area of Gap (Square Miles)

308 | Total Area of Gap without Federal Land (Square Miles)

16,791 | Total Population

147 | Miles of State Highway

#### Critical Infrastructure

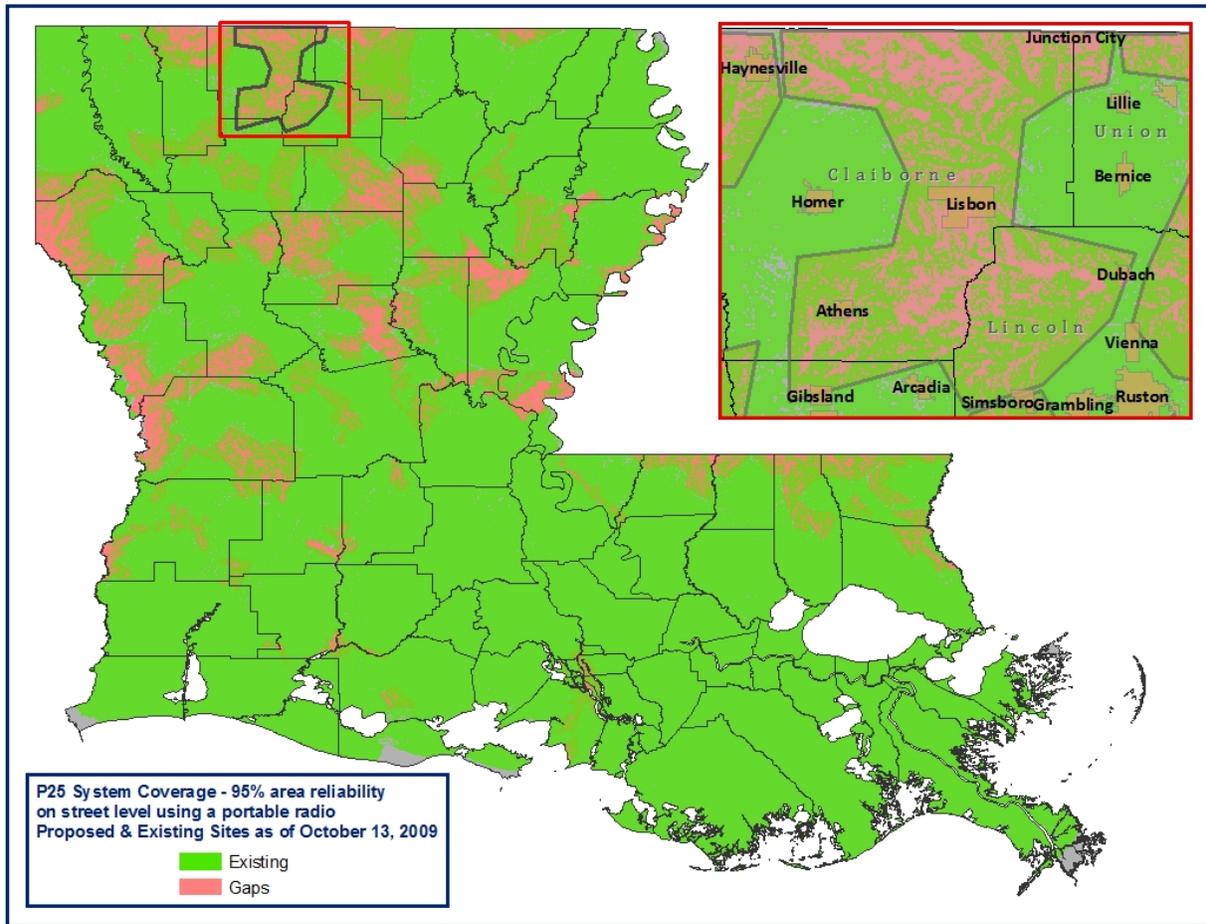
None

#### Parishes Impacted

Bossier, Webster & Claiborne

Urban Areas Impacted	Total Area Covered by Gap (Sq Miles)	Percentage of Urban Area in Gap
Cotton Valley	0.52	20%
Cullen	1.16	100%
Haynesville	4.91	100%
Sarepta	1.6	100%
Shongaloo	8.09	100%
Springhill	6.33	100%

## GAP 2



577 | Total Area of Gap (Square Miles)

539.43 | Total Area of Gap without Federal Land (Square Miles)

8,364 | Total Population

219 | Miles of State Highway

### Critical Infrastructure

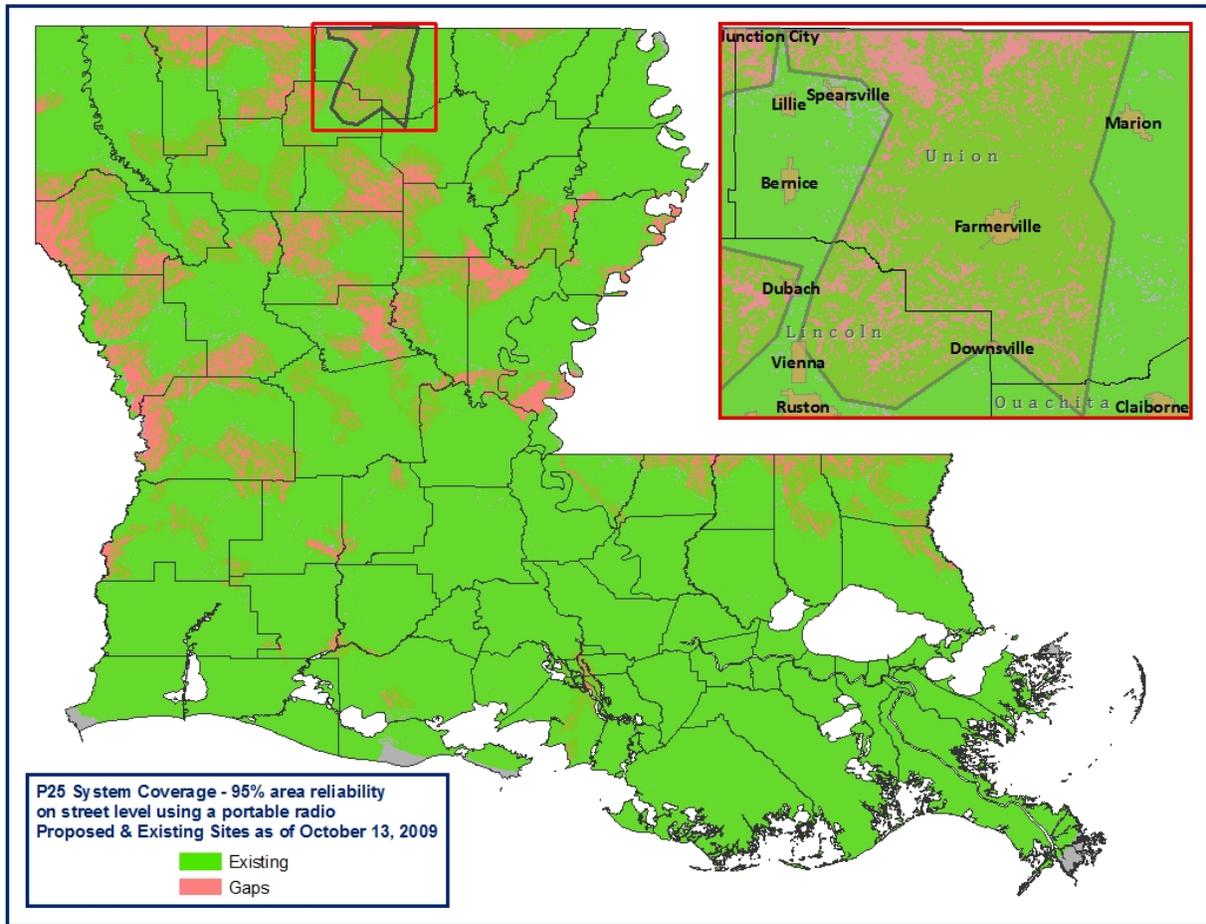
None

### Parishes Impacted

Claiborne, Lincoln & Union

Urban Areas Impacted	Total Area Covered by Gap (Sq Miles)	Percentage of Urban Area in Gap
Athens	2.2	100%
Dubach	0.95	65%
Gibsland	0.99	37%
Junction City	1.22	100%
Lisbon	13.15	100%
Simsboro	0.27	8%

### GAP 3



569 | Total Area of Gap (Square Miles)

569 | Total Area of Gap without Federal Land (Square Miles)

14,979 | Total Population

194 | Miles of State Highway

#### Critical Infrastructure

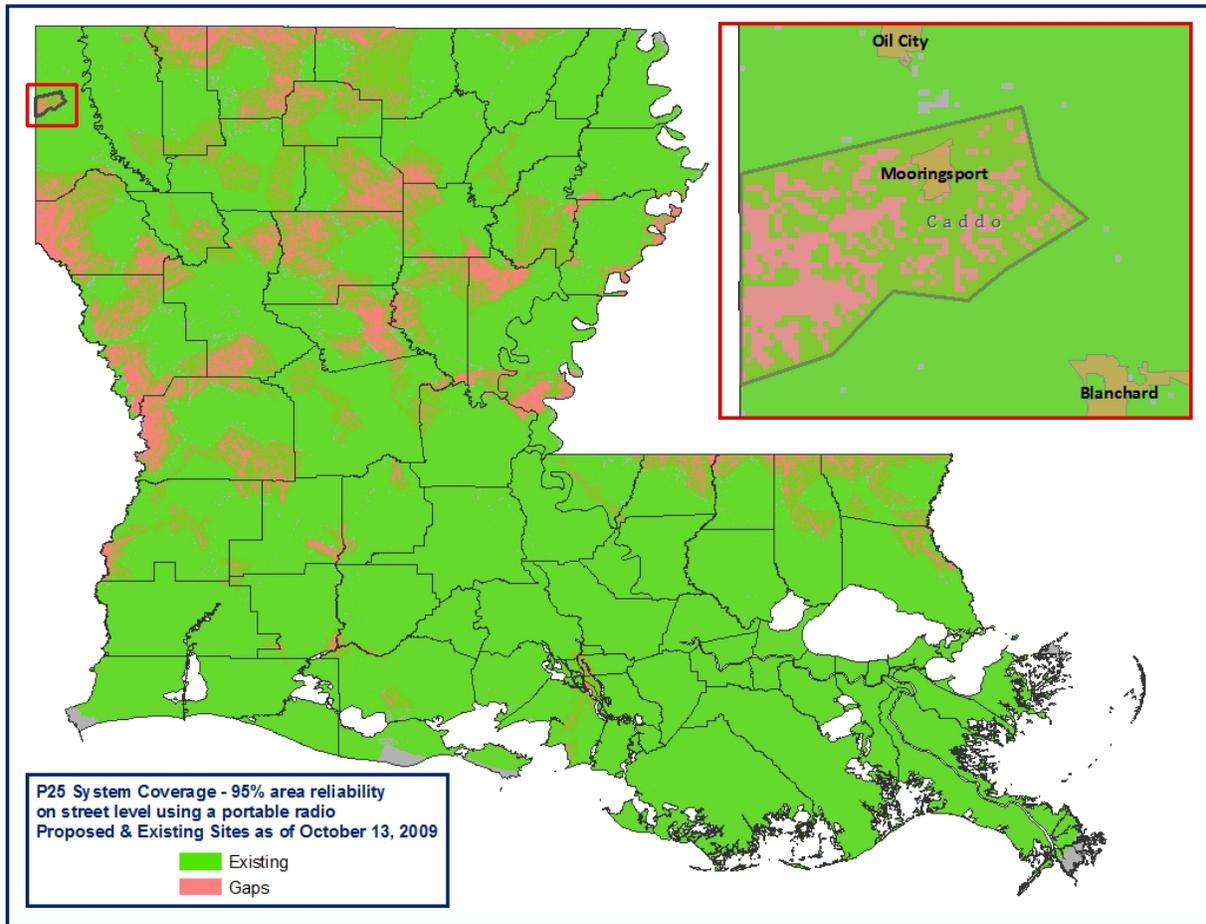
None

#### Parishes Impacted

Union, Lincoln & Ouachita

Urban Areas Impacted	Total Area Covered by Gap (Sq Miles)	Percentage of Urban Area in Gap
Downsville	0.13	17%
Farmerville	5.54	100%
Vienna	0.23	7%

### GAP 4



- 39 | Total Area of Gap (Square Miles)
- 39 | Total Area of Gap without Federal Land (Square Miles)
- 2,118 | Total Population
- 16 | Miles of State Highway

**Critical Infrastructure**

None

**Parishes Impacted**

Caddo

**Urban Areas Impacted**

Mooringsport

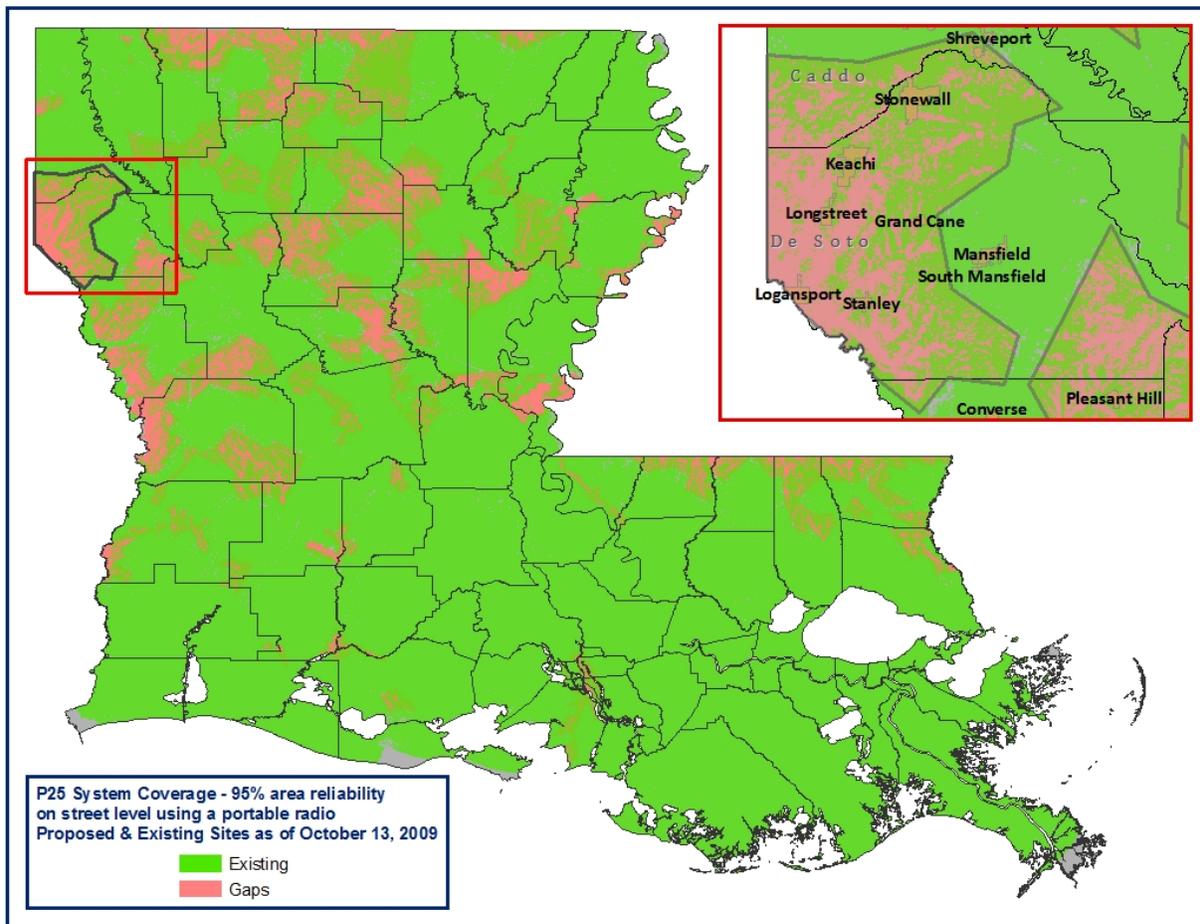
**Total Area Covered by Gap (Sq Miles)**

1.08

**Percentage of Urban Area in Gap**

100%

### GAP 5



652 | Total Area of Gap (Square Miles)

652 | Total Area of Gap without Federal Land (Square Miles)

19,397 | Total Population

187 | Miles of State Highway

#### Critical Infrastructure

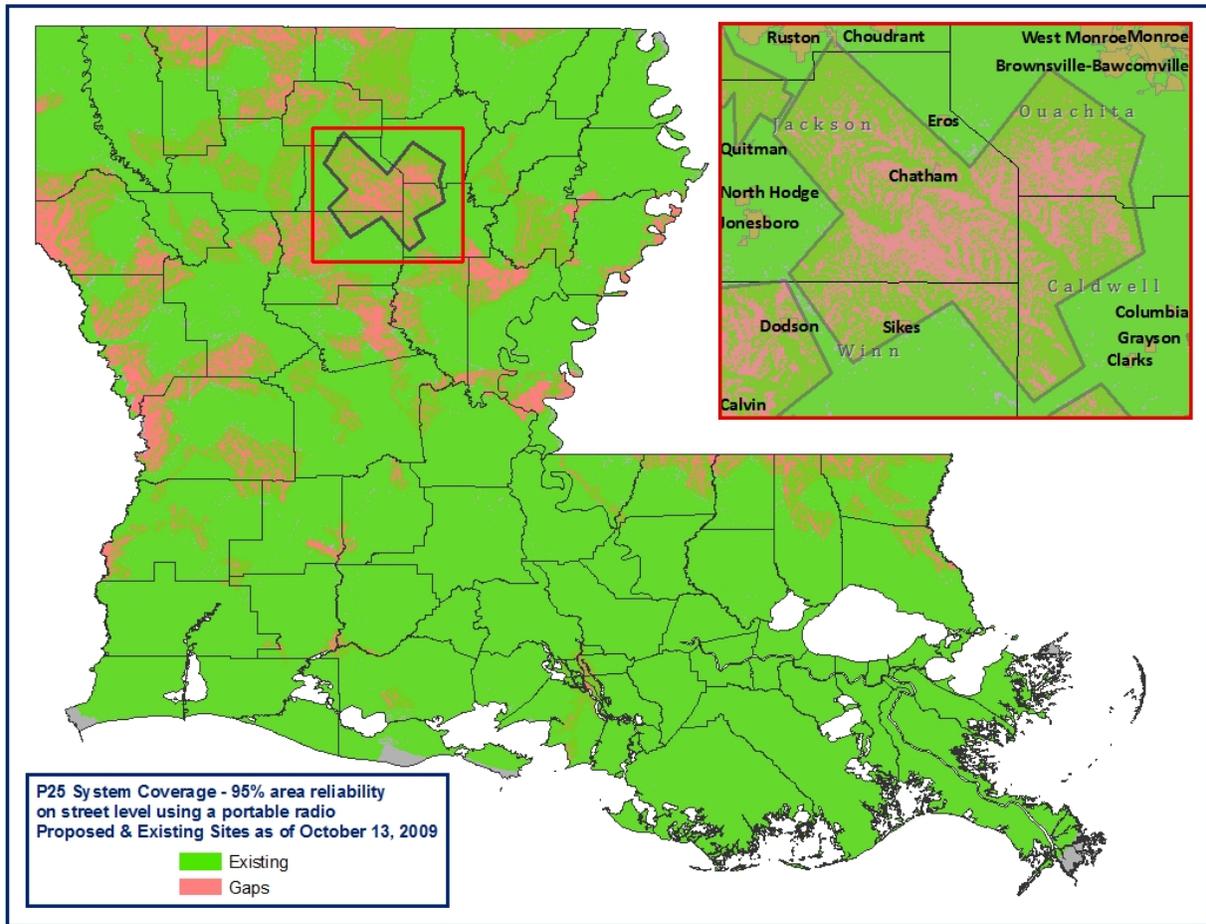
None

#### Parishes Impacted

Caddo, De Soto & Sabine

Urban Areas Impacted	Total Area Covered by Gap (Sq Miles)	Percentage of Urban Area in Gap
Grand Cane	1.01	100%
Keachi	5.03	100%
Logansport	3.37	100%
Longstreet	2.16	100%
Shreveport	0.83	1%
Stanley	2.18	100%
Stonewall	7.62	100%

### GAP 6



- 707 | Total Area of Gap (Square Miles)
- 707 | Total Area of Gap without Federal Land (Square Miles)
- 10,145 | Total Population
- 190 | Miles of State Highway

#### Critical Infrastructure

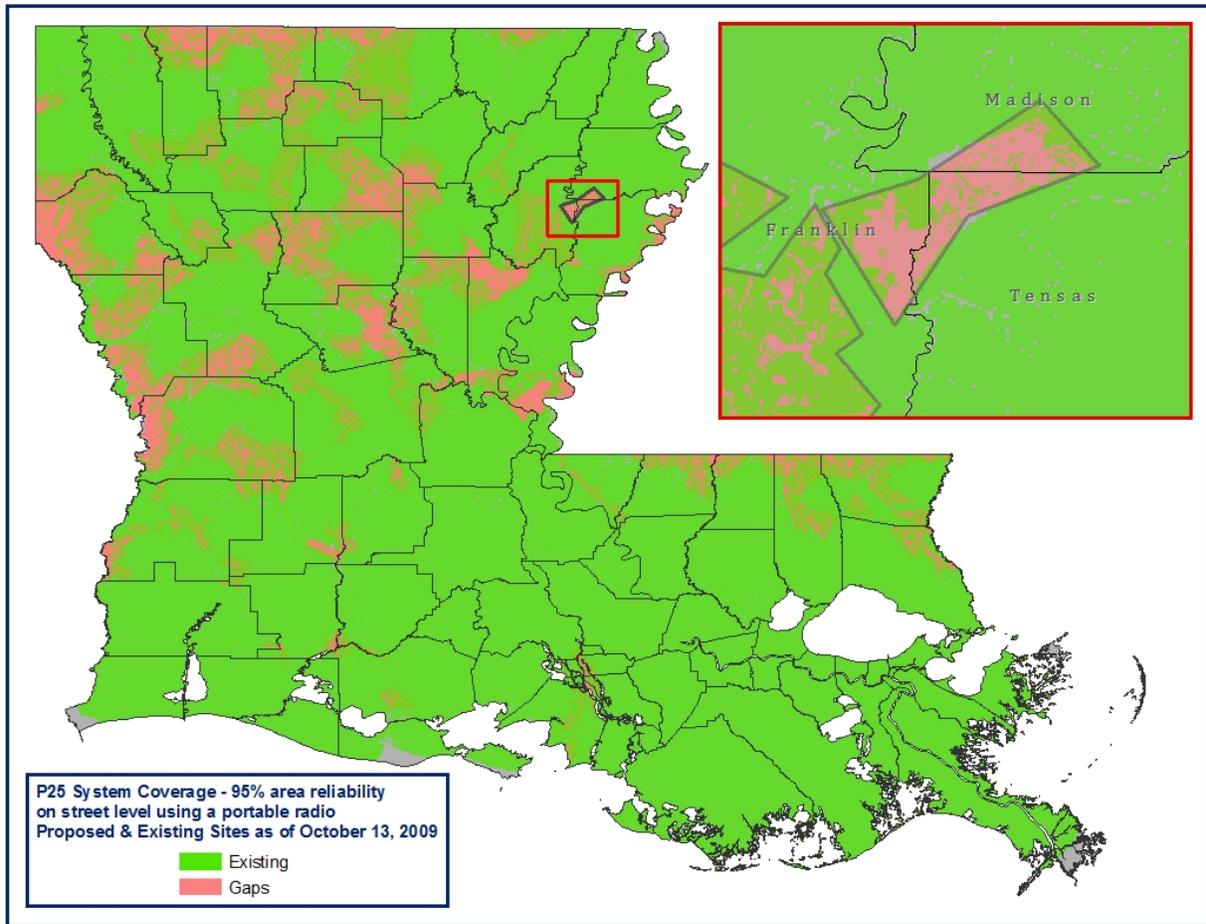
None

#### Parishes Impacted

Jackson, Ouachita, Caldwell & Winn

Urban Areas Impacted	Total Area Covered by Gap (Sq Miles)	Percentage of Urban Area in Gap
Chatham	1.14	100%
Ruston	0.11	1%
Sikes	1.36	87%

### GAP 7



46 | Total Area of Gap (Square Miles)

29.65 | Total Area of Gap without Federal Land (Square Miles)

181 | Total Population

4 | Miles of State Highway

#### Critical Infrastructure

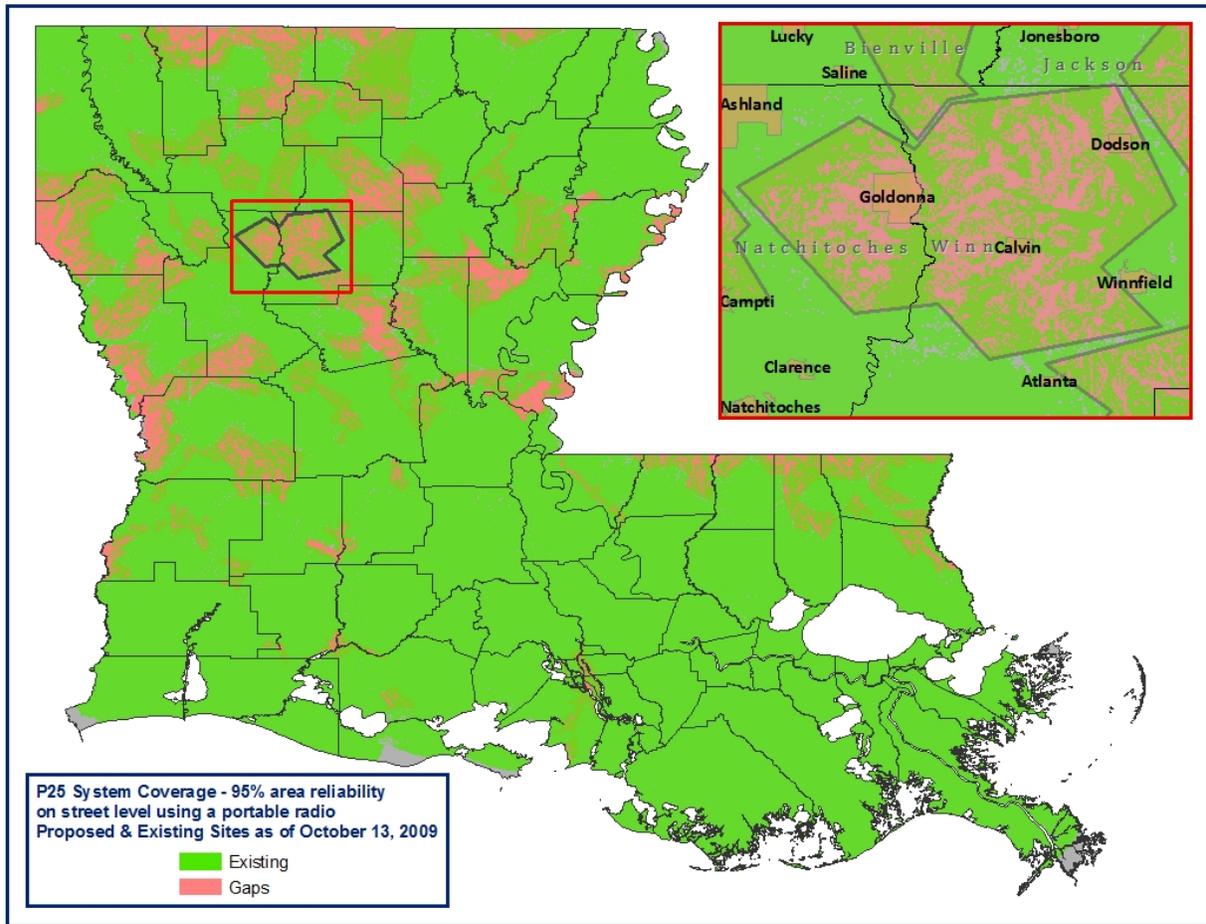
None

#### Parishes Impacted

Franklin, Madison & Tensas

**Urban Areas Impacted**    **Total Area Covered by Gap (Sq Miles)**    **Percentage of Urban Area in Gap**  
 None in Area

### GAP 8



411 | Total Area of Gap (Square Miles)

205.53 | Total Area of Gap without Federal Land (Square Miles)

5,180 | Total Population

155 | Miles of State Highway

#### Critical Infrastructure

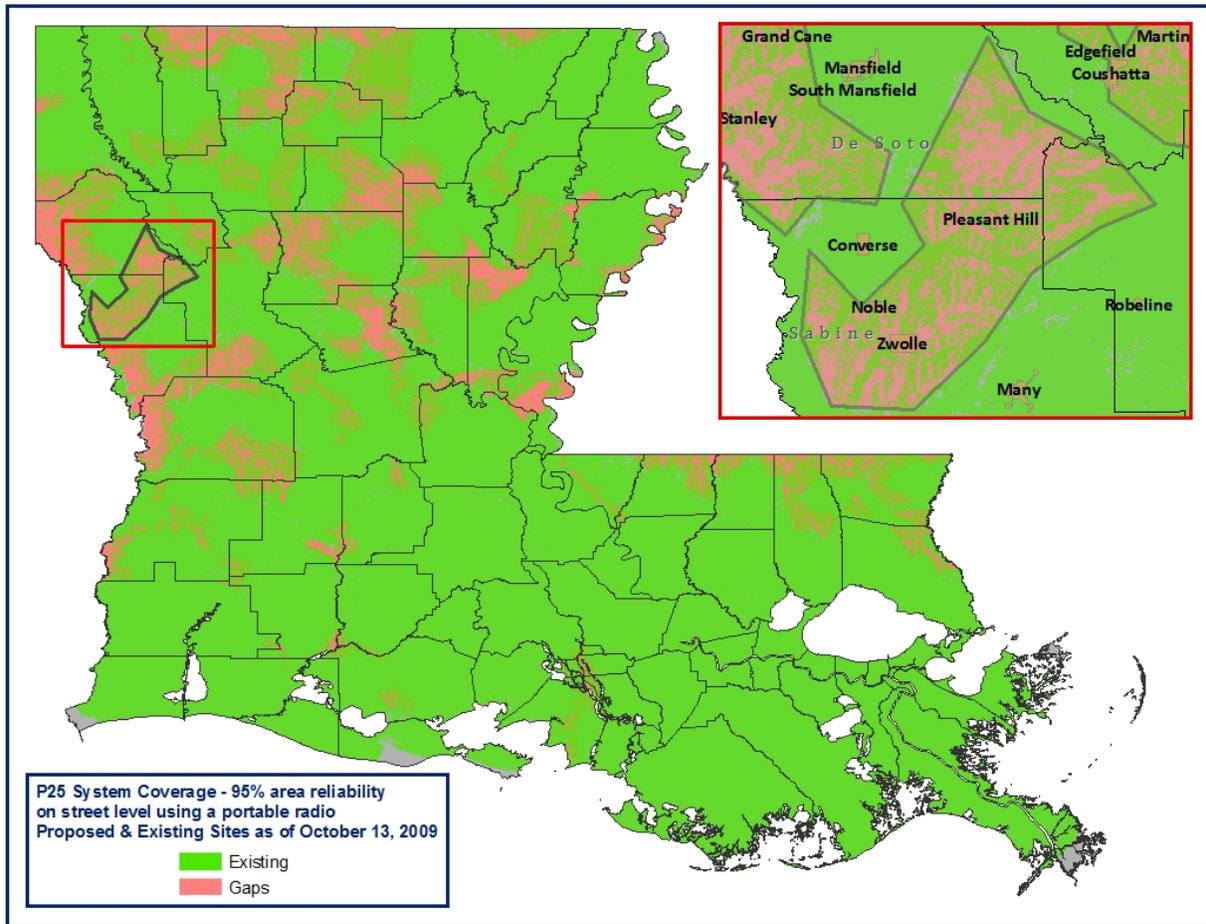
None

#### Parishes Impacted

Natchitoches & Winn

Urban Areas Impacted	Total Area Covered by Gap (Sq Miles)	Percentage of Urban Area in Gap
Calvin	2.29	100%
Dodson	2.25	100%
Goldonna	11.02	100%

### GAP 9



- 452 | Total Area of Gap (Square Miles)
- 452 | Total Area of Gap without Federal Land (Square Miles)
- 8,610 | Total Population
- 178 | Miles of State Highway

#### Critical Infrastructure

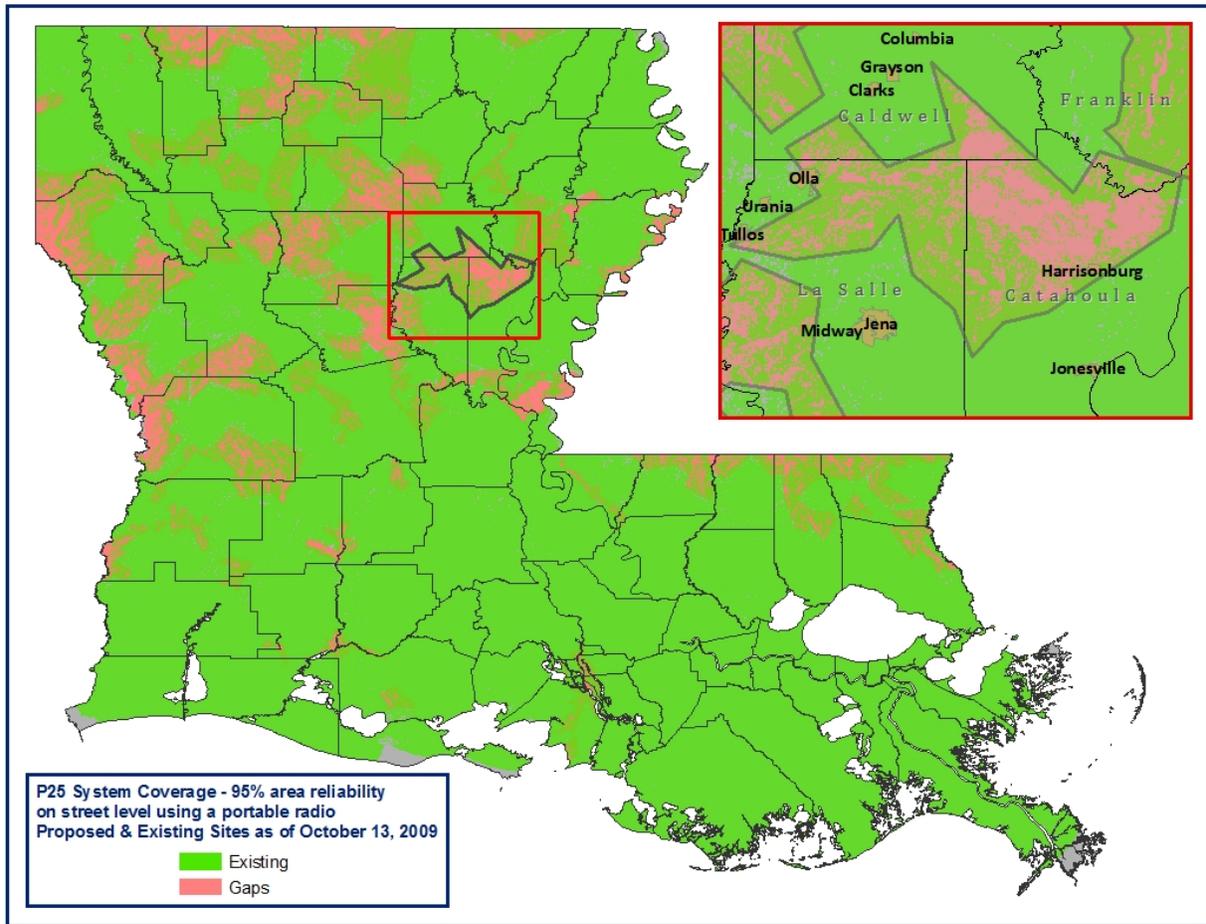
None

#### Parishes Impacted

De Soto, Natchitoches, Red River & Sabine

Urban Areas Impacted	Total Area Covered by Gap (Sq Miles)	Percentage of Urban Area in Gap
Noble	1.03	100%
Pleasant Hill	1.59	100%
Zwolle	3.66	100%

### GAP 10



- 440 | Total Area of Gap (Square Miles)
- 440 | Total Area of Gap without Federal Land (Square Miles)
- 5,344 | Total Population
- 145 | Miles of State Highway

#### Critical Infrastructure

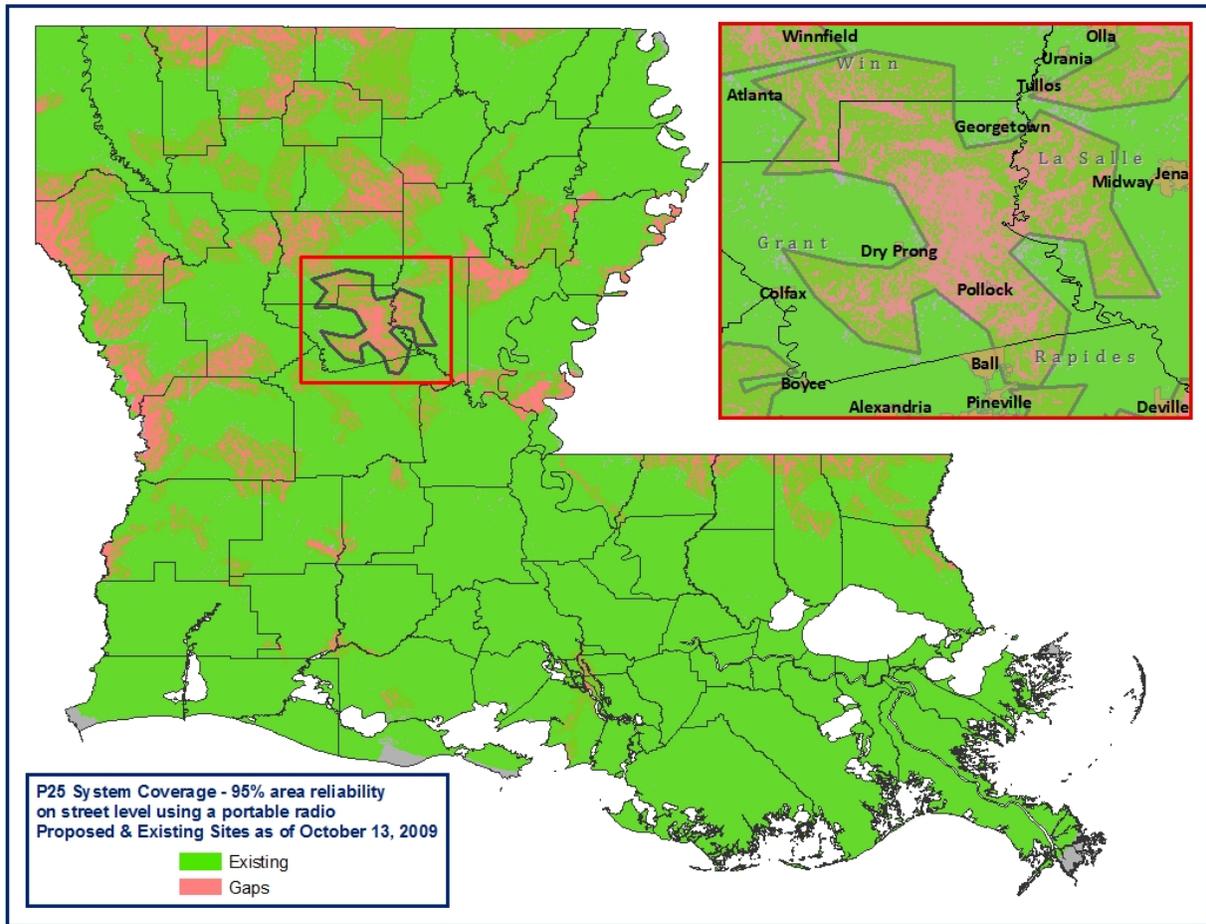
None

#### Parishes Impacted

Caldwell, Catahoula, Franklin & La Salle

Urban Areas Impacted	Total Area Covered by Gap (Sq Miles)	Percentage of Urban Area in Gap
Harrisonburg	1.05	100%
Olla	1.47	42%
Tullos	0.34	22%

### GAP 11



541 | Total Area of Gap (Square Miles)

229.08 | Total Area of Gap without Federal Land (Square Miles)

7,889 | Total Population

146 | Miles of State Highway

#### Critical Infrastructure

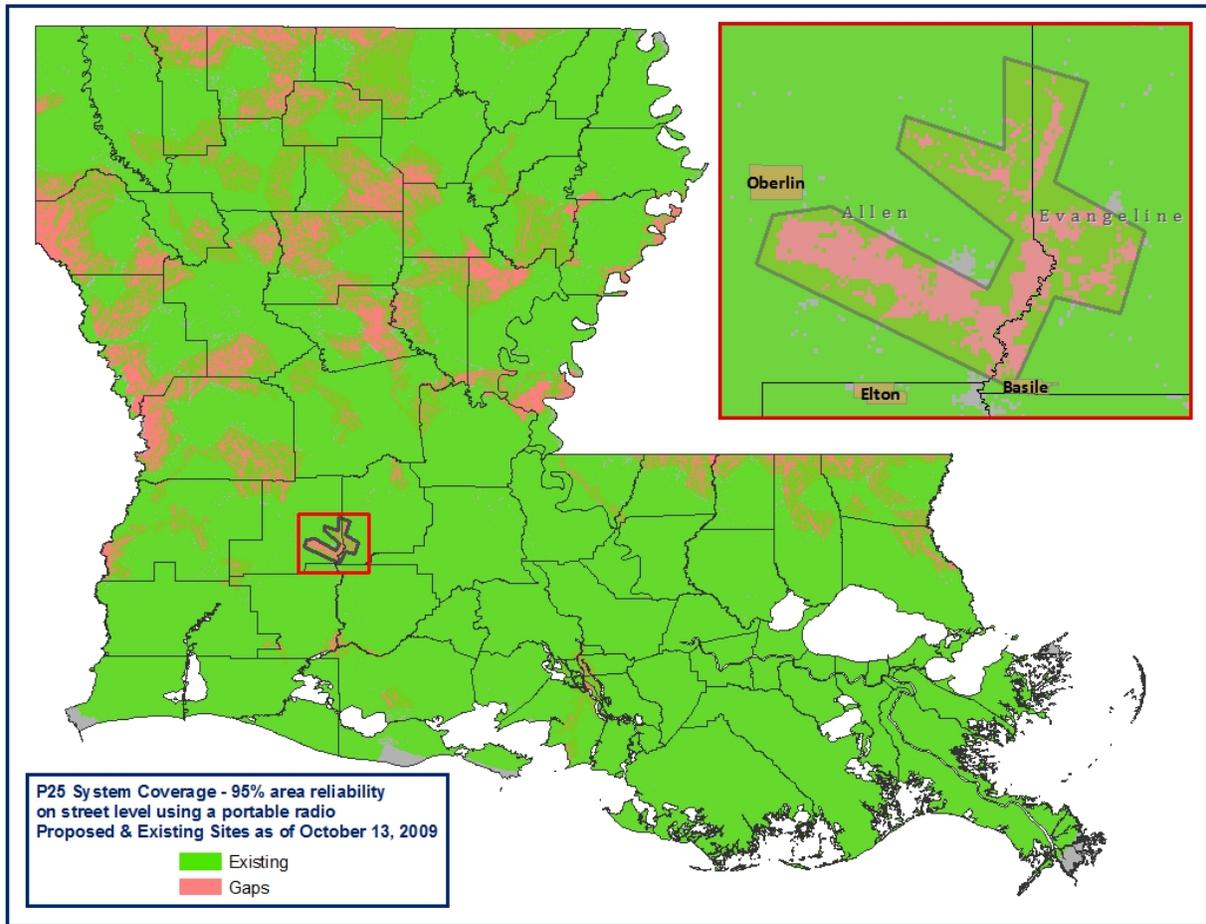
None

#### Parishes Impacted

Grant, La Salle, Rapides & Winn

Urban Areas Impacted	Total Area Covered by Gap (Sq Miles)	Percentage of Urban Area in Gap
Atlanta	0.05	5%
Ball	0.54	7%
Dry Prong	0.01	1%
Pineville	0.07	1%
Pollock	1.27	100%

### GAP 12



- 89 | Total Area of Gap (Square Miles)
- 89 | Total Area of Gap without Federal Land (Square Miles)
- 605 | Total Population
- 12 | Miles of State Highway

**Critical Infrastructure**

None

**Parishes Impacted**

Allen & Evangeline

**Urban Areas Impacted**

Basile

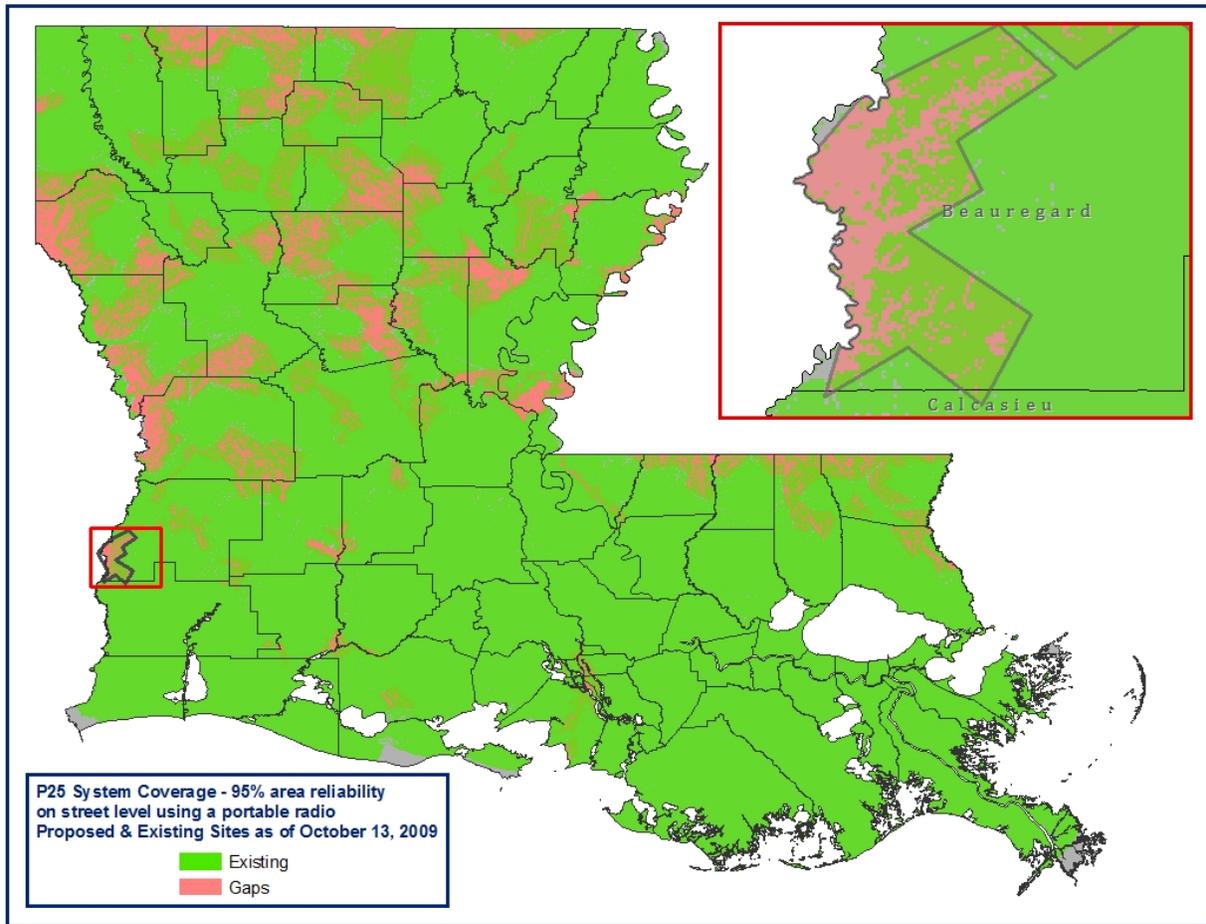
**Total Area Covered by Gap (Sq Miles)**

0.14

**Percentage of Urban Area in Gap**

12%

### GAP 13



- 89 | Total Area of Gap (Square Miles)
- 89 | Total Area of Gap without Federal Land (Square Miles)
- 363 | Total Population
- 18 | Miles of State Highway

**Critical Infrastructure**

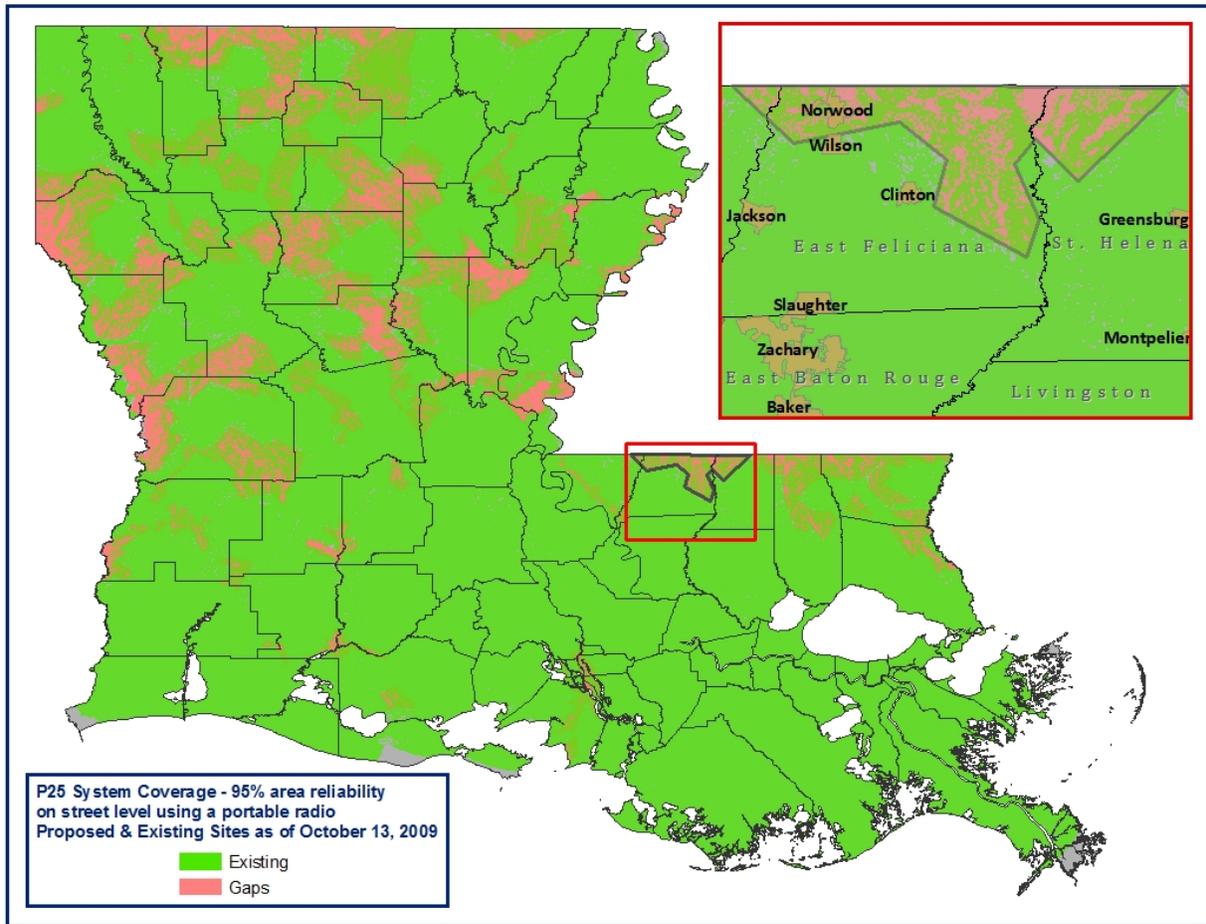
None

**Parishes Impacted**

Beauregard & Calcasieu

**Urban Areas Impacted**    **Total Area Covered by Gap (Sq Miles)**    **Percentage of Urban Area in Gap**  
 None in Area

### GAP 14



200 | Total Area of Gap (Square Miles)

200 | Total Area of Gap without Federal Land (Square Miles)

2,970 | Total Population

62 | Miles of State Highway

#### Critical Infrastructure

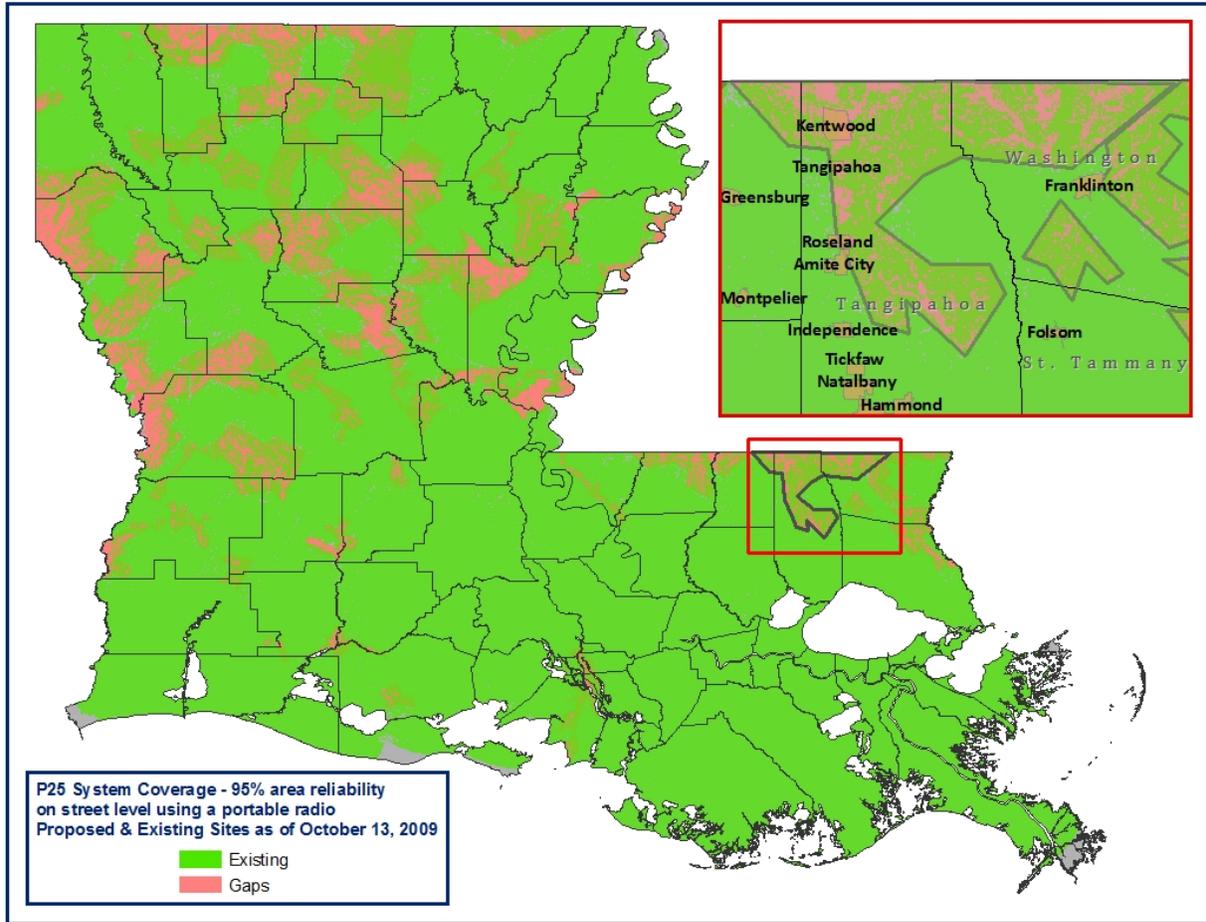
None

#### Parishes Impacted

East Feliciana, St. Helena & West Feliciana

Urban Areas Impacted	Total Area Covered by Gap (Sq Miles)	Percentage of Urban Area in Gap
Norwood	4.03	100%
Wilson	0.09	3%

### GAP 15



394 | Total Area of Gap (Square Miles)

394 | Total Area of Gap without Federal Land (Square Miles)

15,775 | Total Population

223 | Miles of State Highway

#### Critical Infrastructure

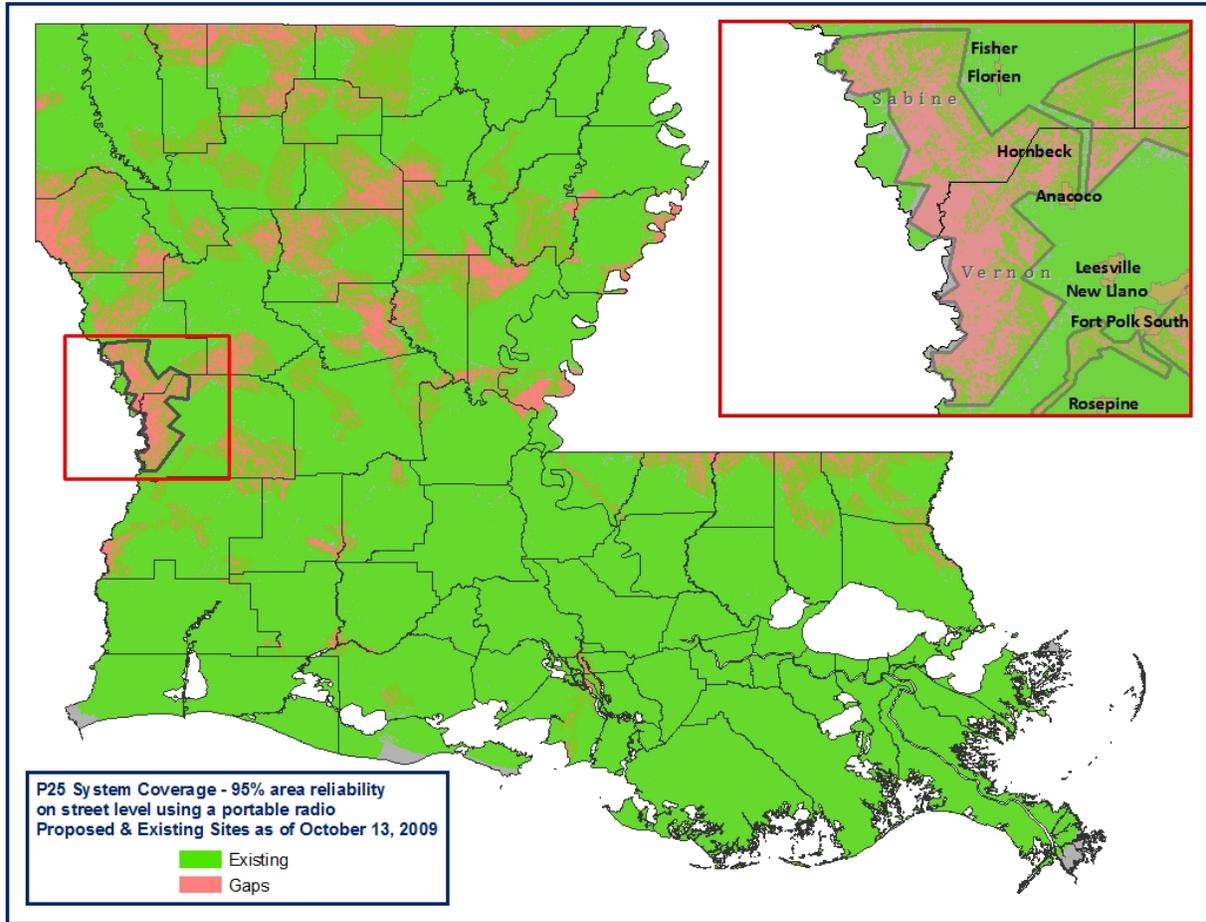
None

#### Parishes Impacted

St. Helena, Tangipahoa & Washington

Urban Areas Impacted	Total Area Covered by Gap (Sq Miles)	Percentage of Urban Area in Gap
Amite City	0.33	9%
Kentwood	6.94	100%
Roseland	1.04	46%
Tangipahoa	0.93	100%

### GAP 16



449 | Total Area of Gap (Square Miles)

446.5 | Total Area of Gap without Federal Land (Square Miles)

7,373 | Total Population

132 | Miles of State Highway

#### Critical Infrastructure

None

#### Parishes Impacted

Sabine & Vernon

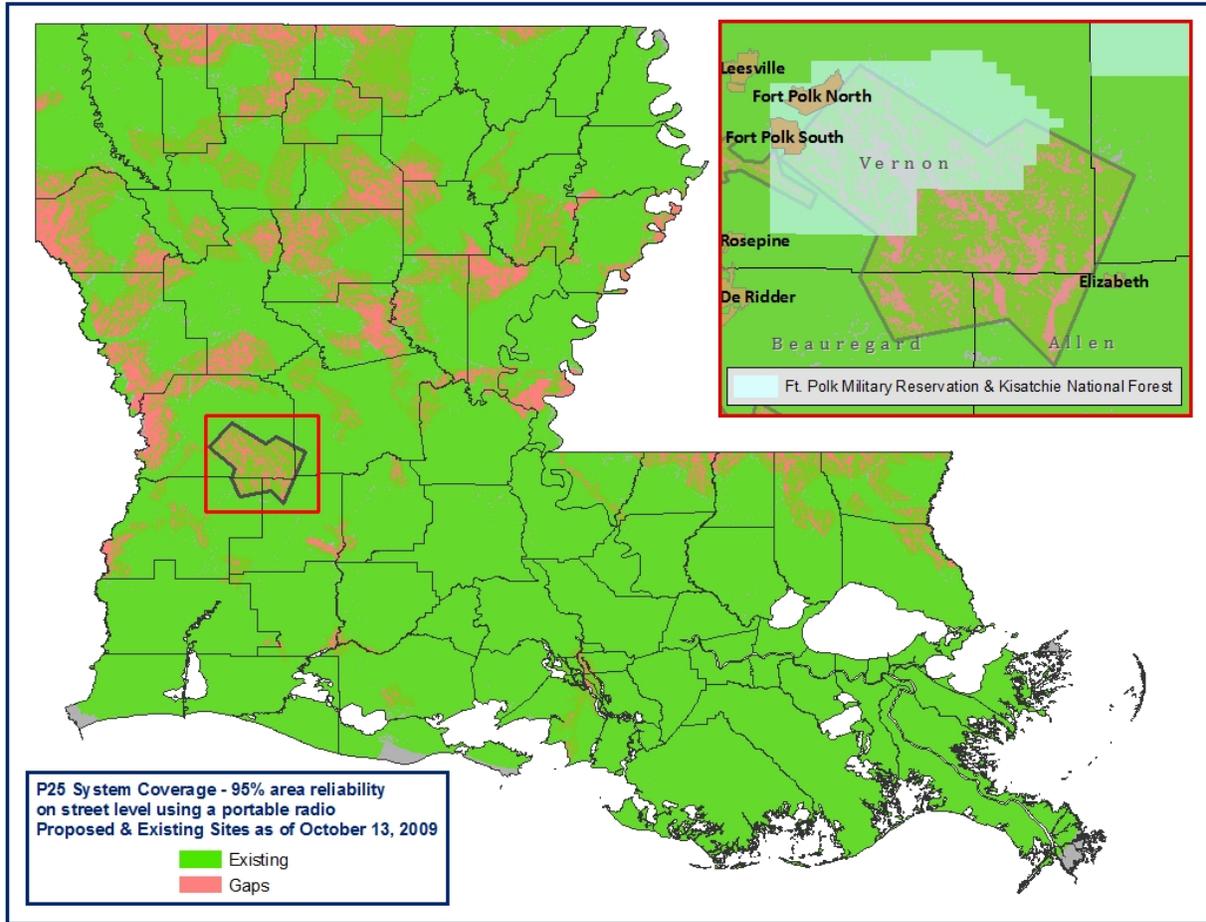
#### Urban Areas Impacted

#### Total Area Covered by Gap (Sq Miles)

#### Percentage of Urban Area in Gap

Anacoco	1.79	58%
Hornbeck	1.16	100%

### GAP 17



377 | Total Area of Gap (Square Miles)

229.37 | Total Area of Gap without Federal Land (Square Miles)

10,683 | Total Population

104 | Miles of State Highway

#### Critical Infrastructure

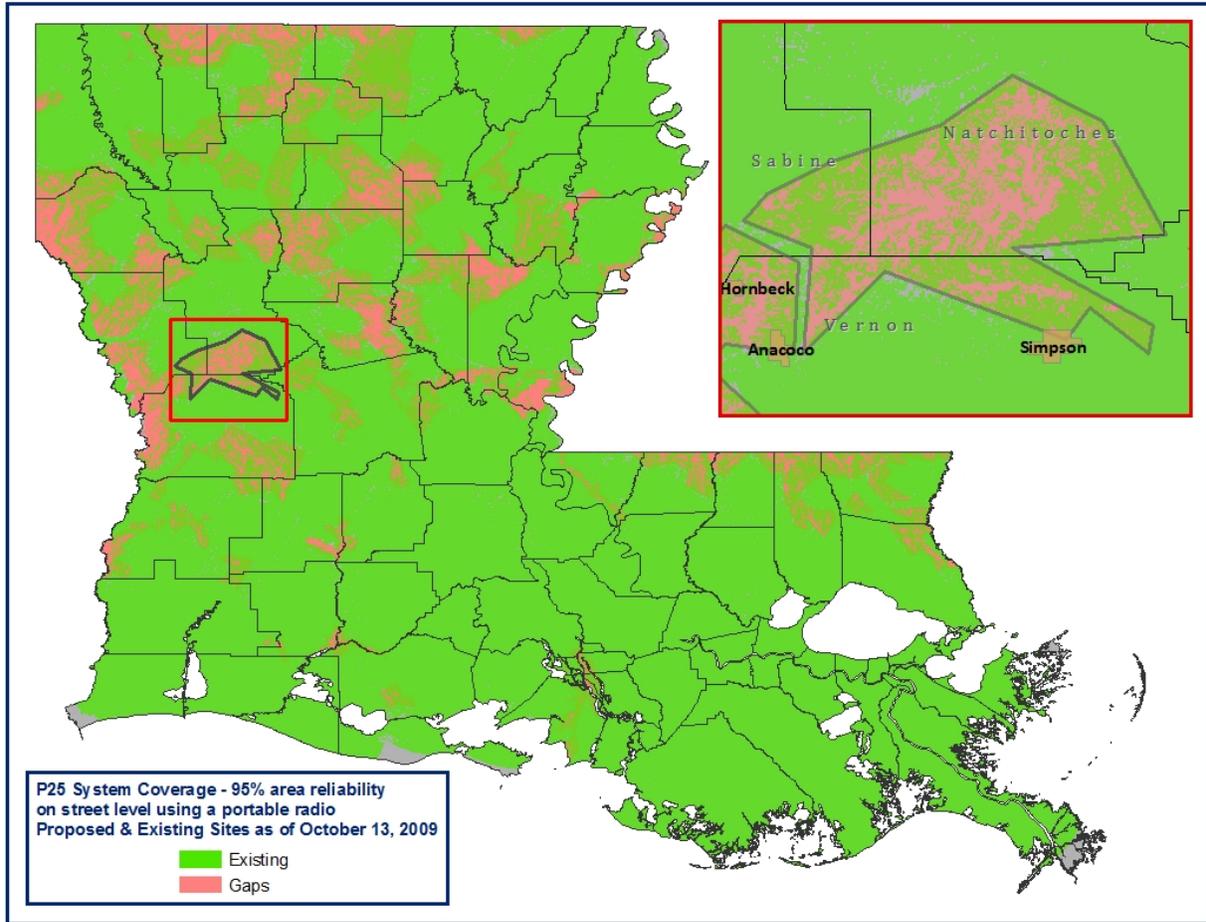
Ft. Polk - Joint Readiness Training Center

#### Parishes Impacted

Allen, Beauregard, Rapides & Vernon

Urban Areas Impacted	Total Area Covered by Gap (Sq Miles)	Percentage of Urban Area in Gap
Fort Polk North	0.33	4%
Fort Polk South	1.39	23%

### GAP 18



344 | Total Area of Gap (Square Miles)

112.14 | Total Area of Gap without Federal Land (Square Miles)

1,205 | Total Population

54 | Miles of State Highway

#### Critical Infrastructure

None

#### Parishes Impacted

Natchitoches, Sabine & Vernon

#### Urban Areas Impacted

Simpson

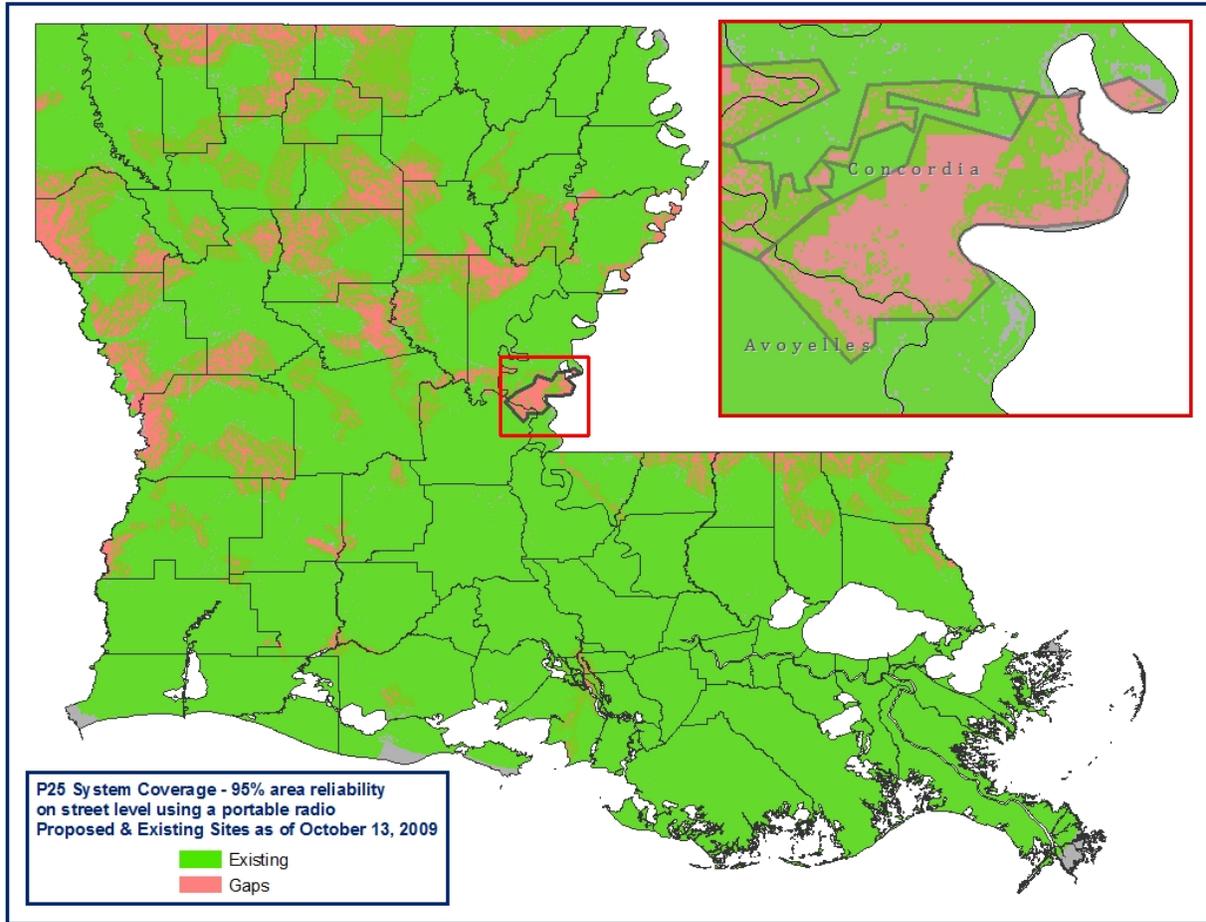
#### Total Area Covered by Gap (Sq Miles)

0.81

#### Percentage of Urban Area in Gap

13%

### GAP 19



148 | Total Area of Gap (Square Miles)

146.25 | Total Area of Gap without Federal Land (Square Miles)

125 | Total Population

14 | Miles of State Highway

#### Critical Infrastructure

None

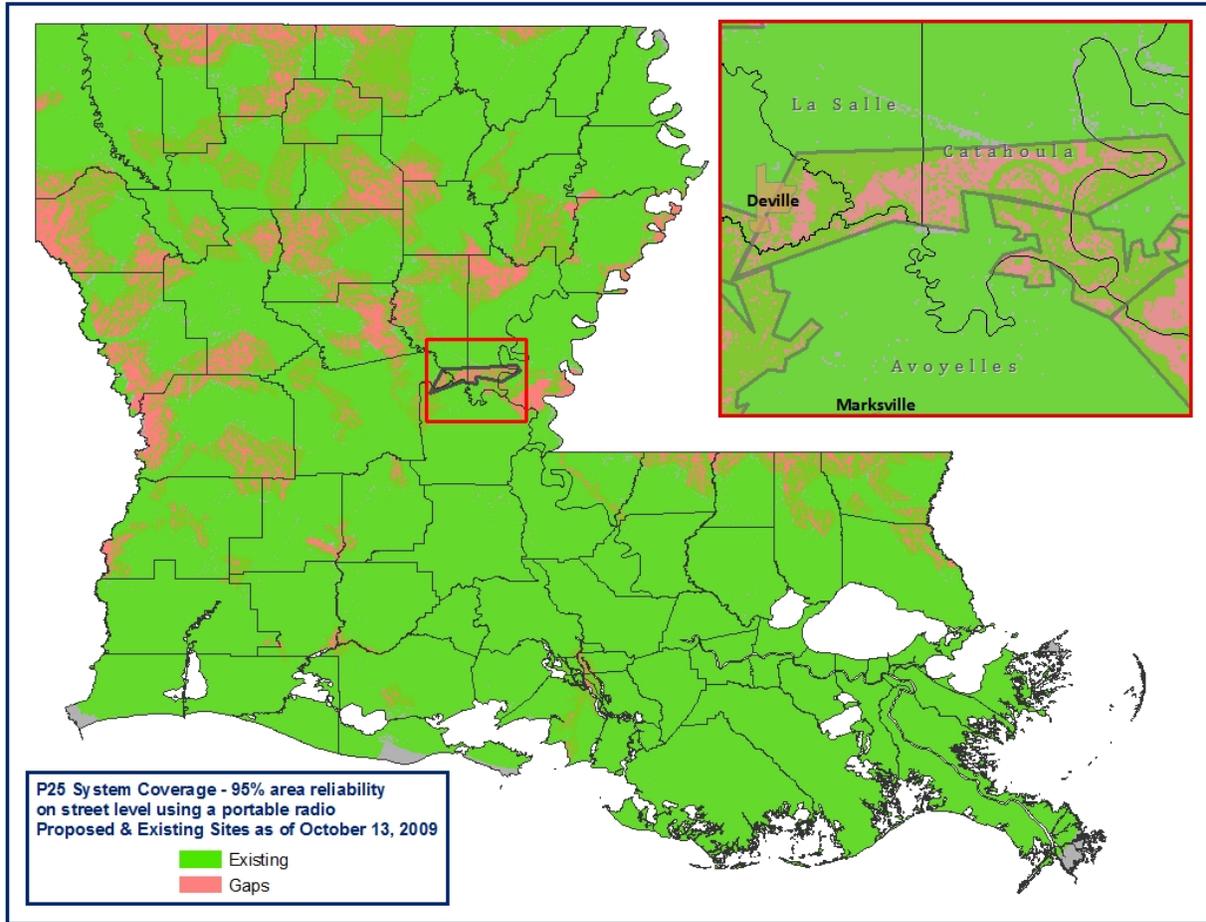
#### Parishes Impacted

Avoyelles & Concordia

**Urban Areas Impacted**    **Total Area Covered by Gap (Sq Miles)**    **Percentage of Urban Area in Gap**

None in Area

### GAP 20



106 | Total Area of Gap (Square Miles)

106 | Total Area of Gap without Federal Land (Square Miles)

1,313 | Total Population

28 | Miles of State Highway

#### Critical Infrastructure

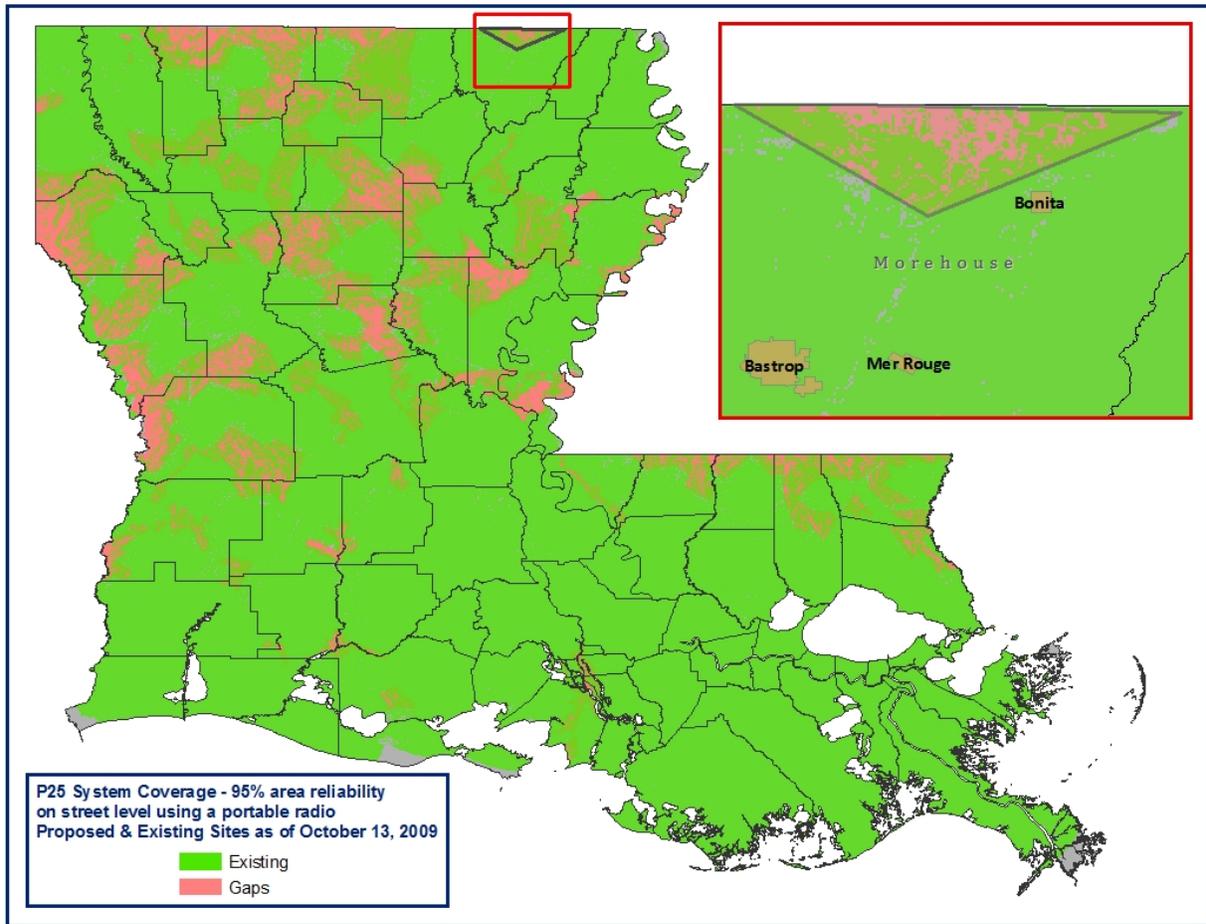
None

#### Parishes Impacted

Avoyelles, Catahoula, Concordia & La Salle

Urban Areas Impacted	Total Area Covered by Gap (Sq Miles)	Percentage of Urban Area in Gap
Deville	2.32	41%

### GAP 21



- 79 | Total Area of Gap (Square Miles)
- 79 | Total Area of Gap without Federal Land (Square Miles)
- 547 | Total Population
- 36 | Miles of State Highway

**Critical Infrastructure**

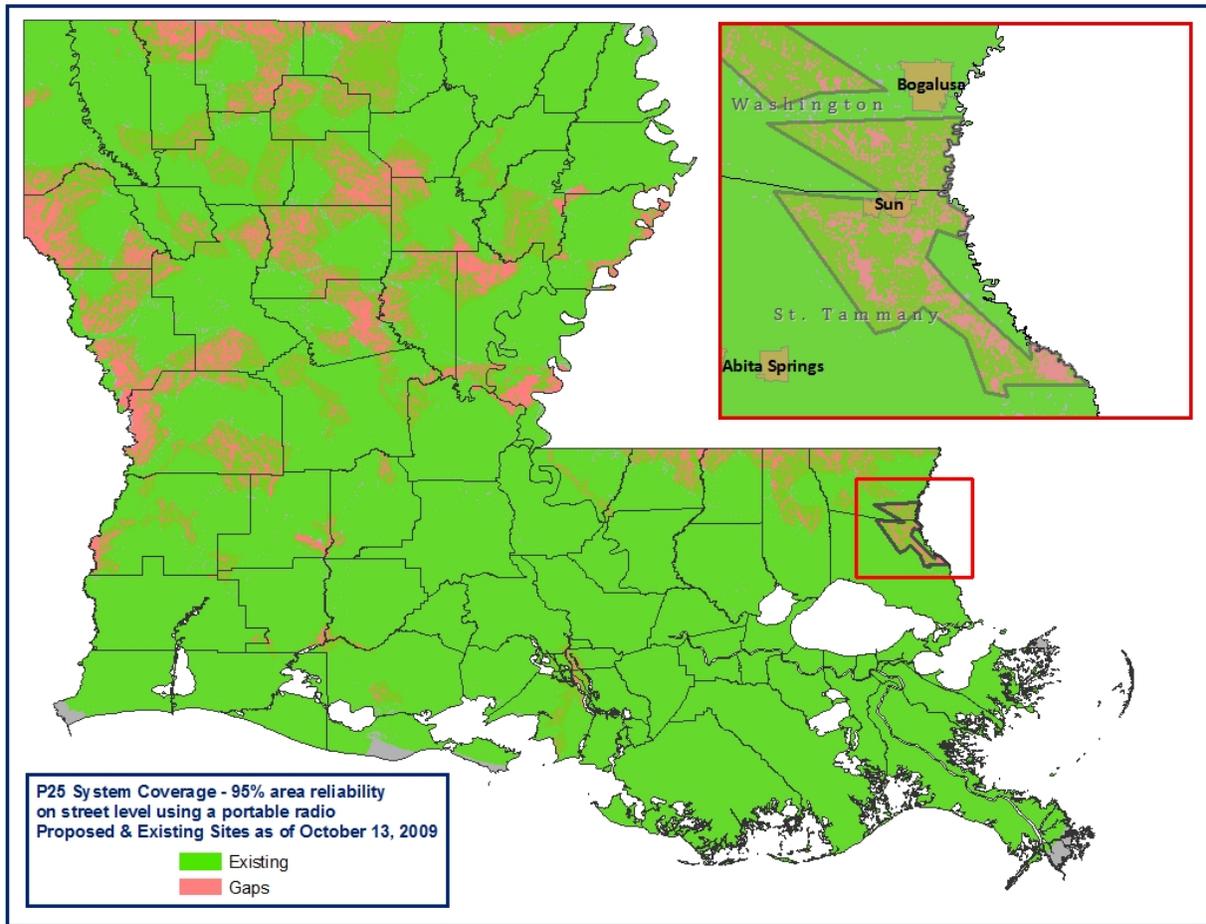
None

**Parishes Impacted**

Morehouse

**Urban Areas Impacted**    **Total Area Covered by Gap (Sq Miles)**    **Percentage of Urban Area in Gap**  
 None in Area

### Minor GAP 1



- 150 | Total Area of Gap (Square Miles)
- 117 | Total Area of Gap without Federal Land (Square Miles)
- 5,352 | Total Population
- 63 | Miles of State Highway

#### Critical Infrastructure

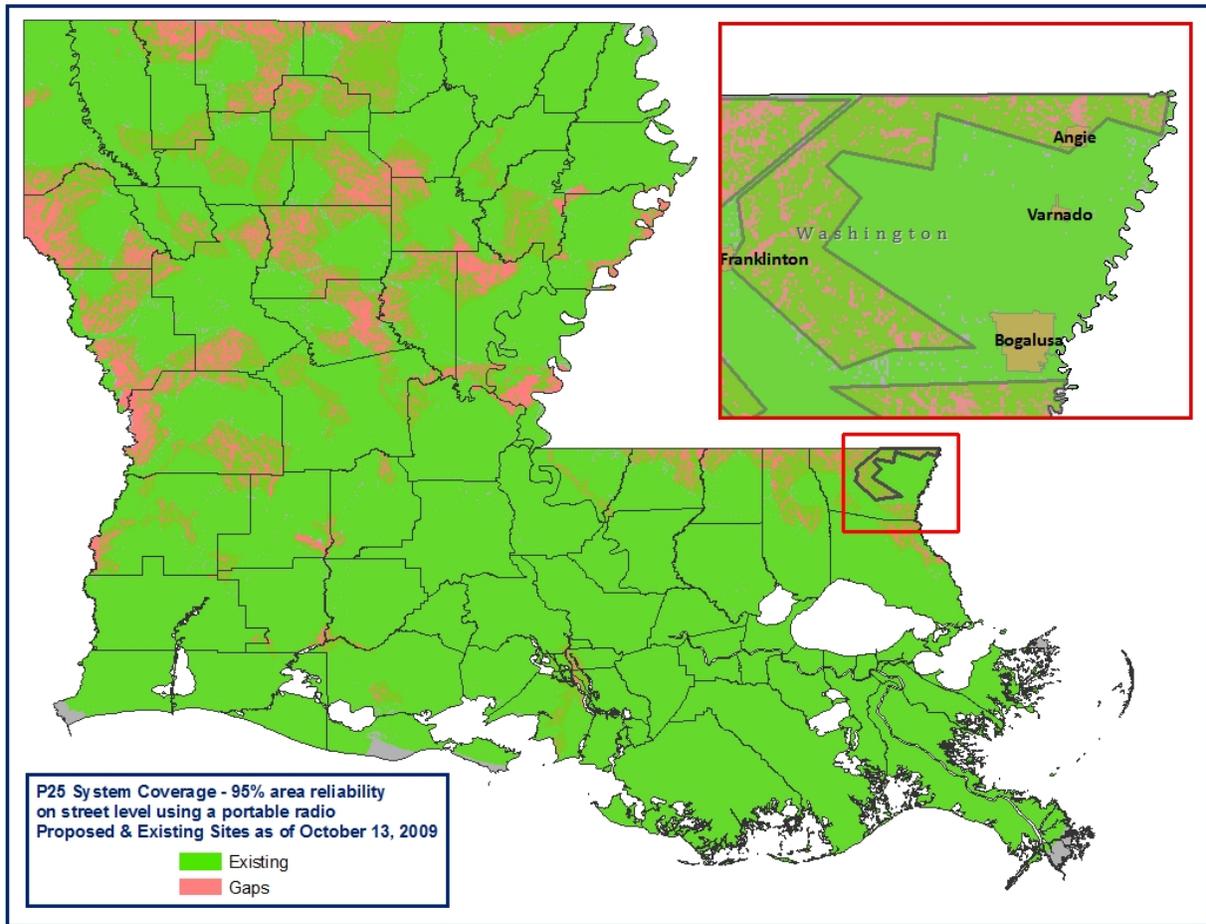
None

#### Parishes Impacted

St. Tammany & Washington

Urban Areas Impacted	Total Area Covered by Gap (Sq Miles)	Percentage of Urban Area in Gap
Sun	4.1	91%

### Minor GAP 2



- 126 | Total Area of Gap (Square Miles)
- 126 | Total Area of Gap without Federal Land (Square Miles)
- 4,477 | Total Population
- 59 | Miles of State Highway

#### Critical Infrastructure

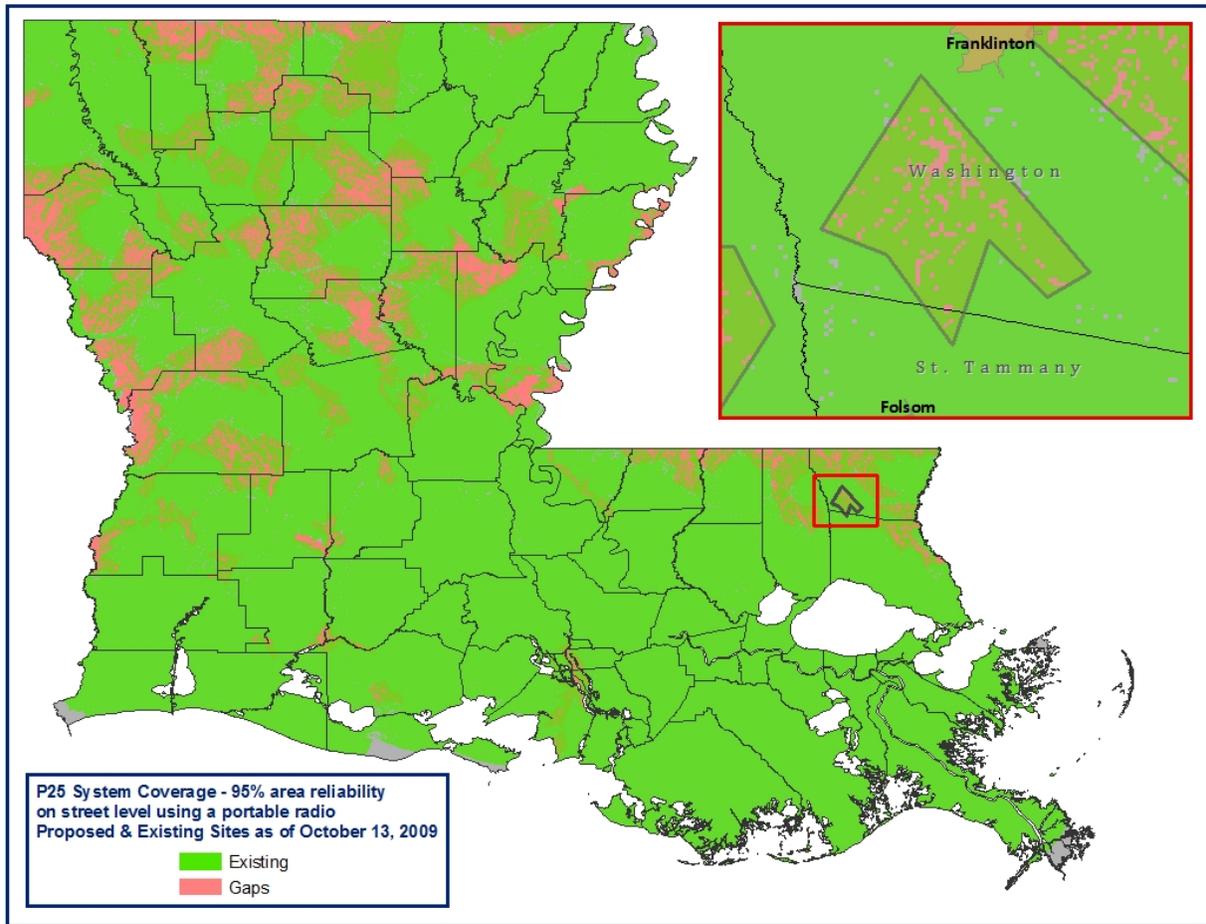
None

#### Parishes Impacted

Washington

Urban Areas Impacted	Total Area Covered by Gap (Sq Miles)	Percentage of Urban Area in Gap
Angie	1.39	91%
Franklinton	0.11	3%

### Minor GAP 3



- 36 | Total Area of Gap (Square Miles)
- 36 | Total Area of Gap without Federal Land (Square Miles)
- 824 | Total Population
- 12 | Miles of State Highway

**Critical Infrastructure**

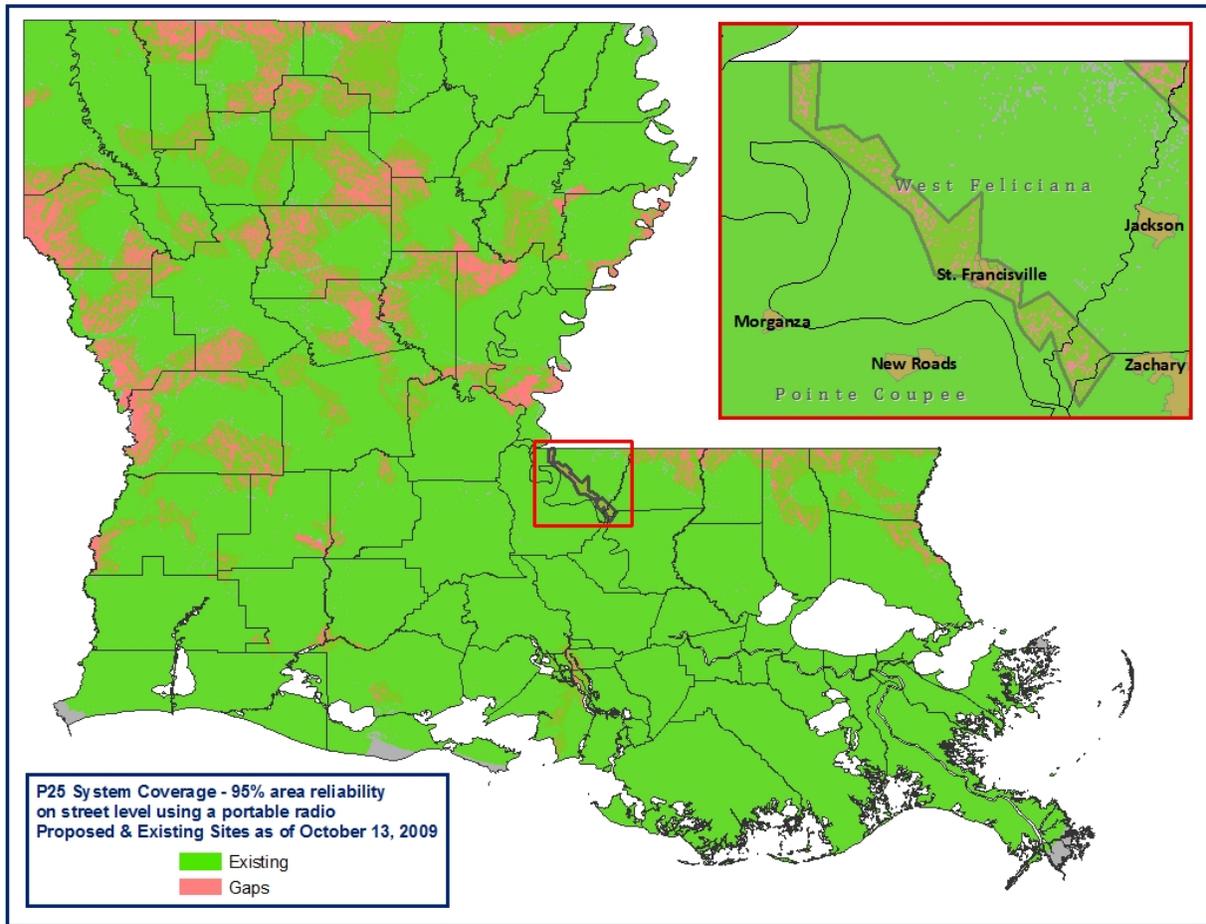
None

**Parishes Impacted**

St. Tammany & Washington

**Urban Areas Impacted**    **Total Area Covered by Gap (Sq Miles)**    **Percentage of Urban Area in Gap**  
 None in Area

### Minor GAP 4



63 | Total Area of Gap (Square Miles)

63 | Total Area of Gap without Federal Land (Square Miles)

2,752 | Total Population

23 | Miles of State Highway

#### Critical Infrastructure

River Bend Station

#### Parishes Impacted

East Baton Rouge, East Feliciana & West Feliciana

#### Urban Areas Impacted

St. Francisville

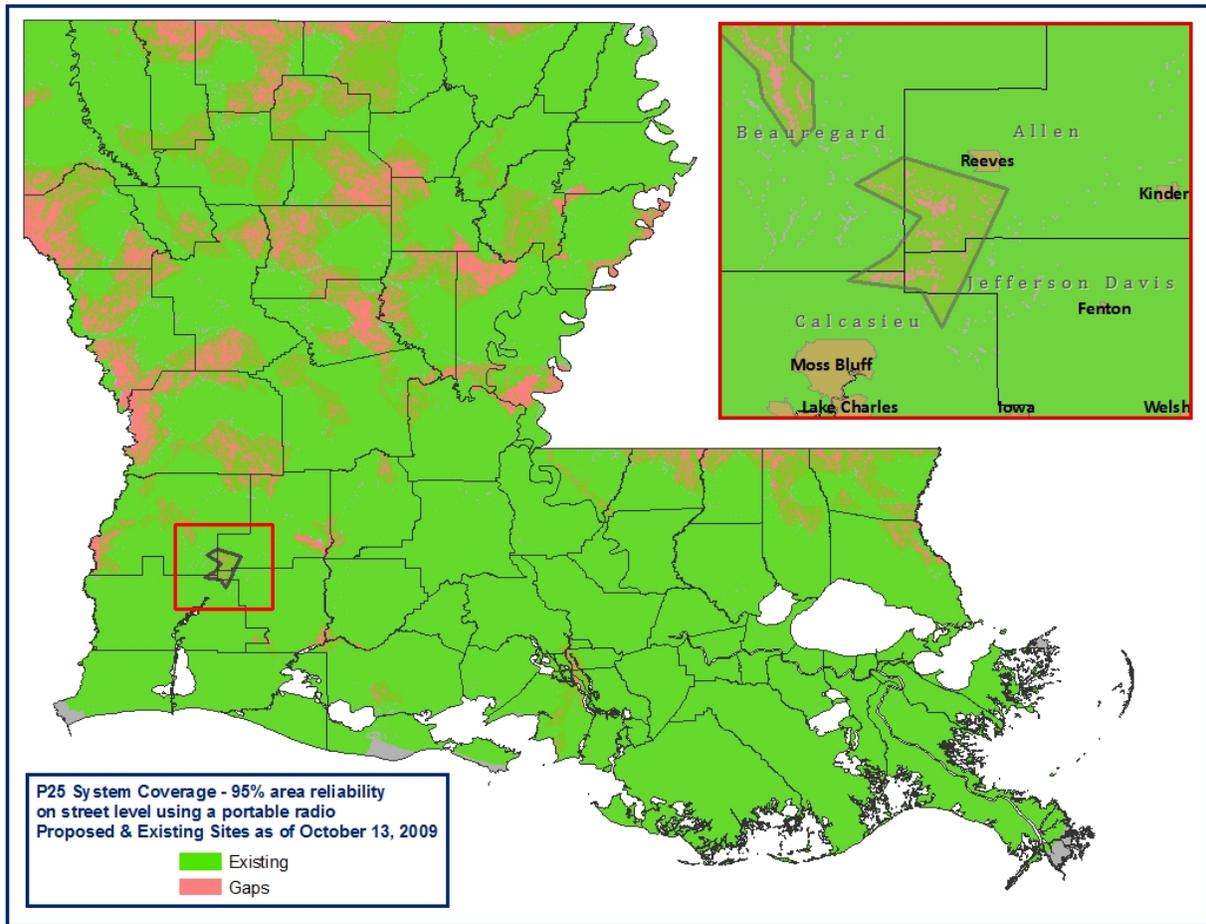
#### Total Area Covered by Gap (Sq Miles)

1.61

#### Percentage of Urban Area in Gap

88%

### Minor GAP 5



- 59 | Total Area of Gap (Square Miles)
- 59 | Total Area of Gap without Federal Land (Square Miles)
- 1,461 | Total Population
- 2 | Miles of State Highway

**Critical Infrastructure**

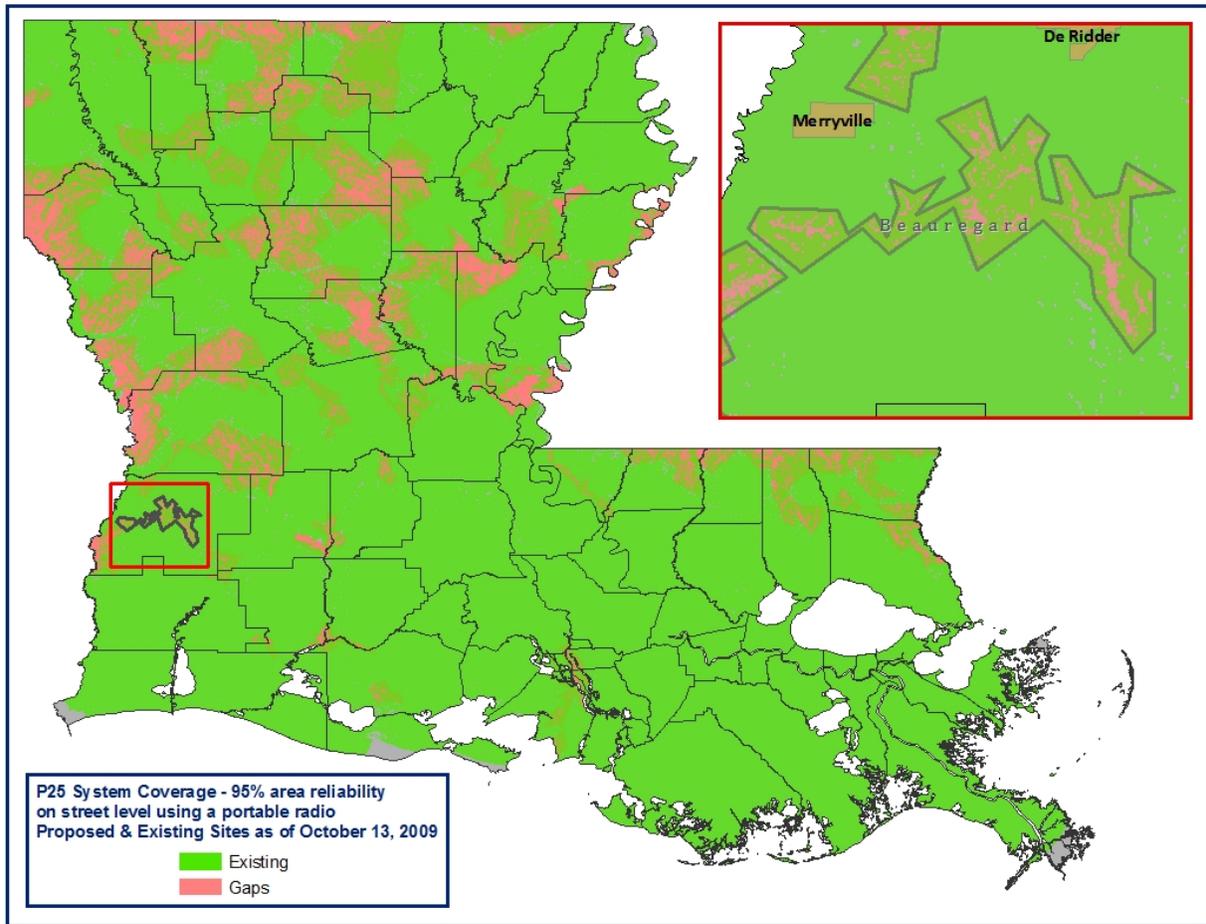
None

**Parishes Impacted**

Allen, Beauregard, Calcasieu & Jefferson

**Urban Areas Impacted**    **Total Area Covered by Gap (Sq Miles)**    **Percentage of Urban Area in Gap**  
 None in Area

### Minor GAP 6



- 101 | Total Area of Gap (Square Miles)
- 101 | Total Area of Gap without Federal Land (Square Miles)
- 1,402 | Total Population
- 24 | Miles of State Highway

**Critical Infrastructure**

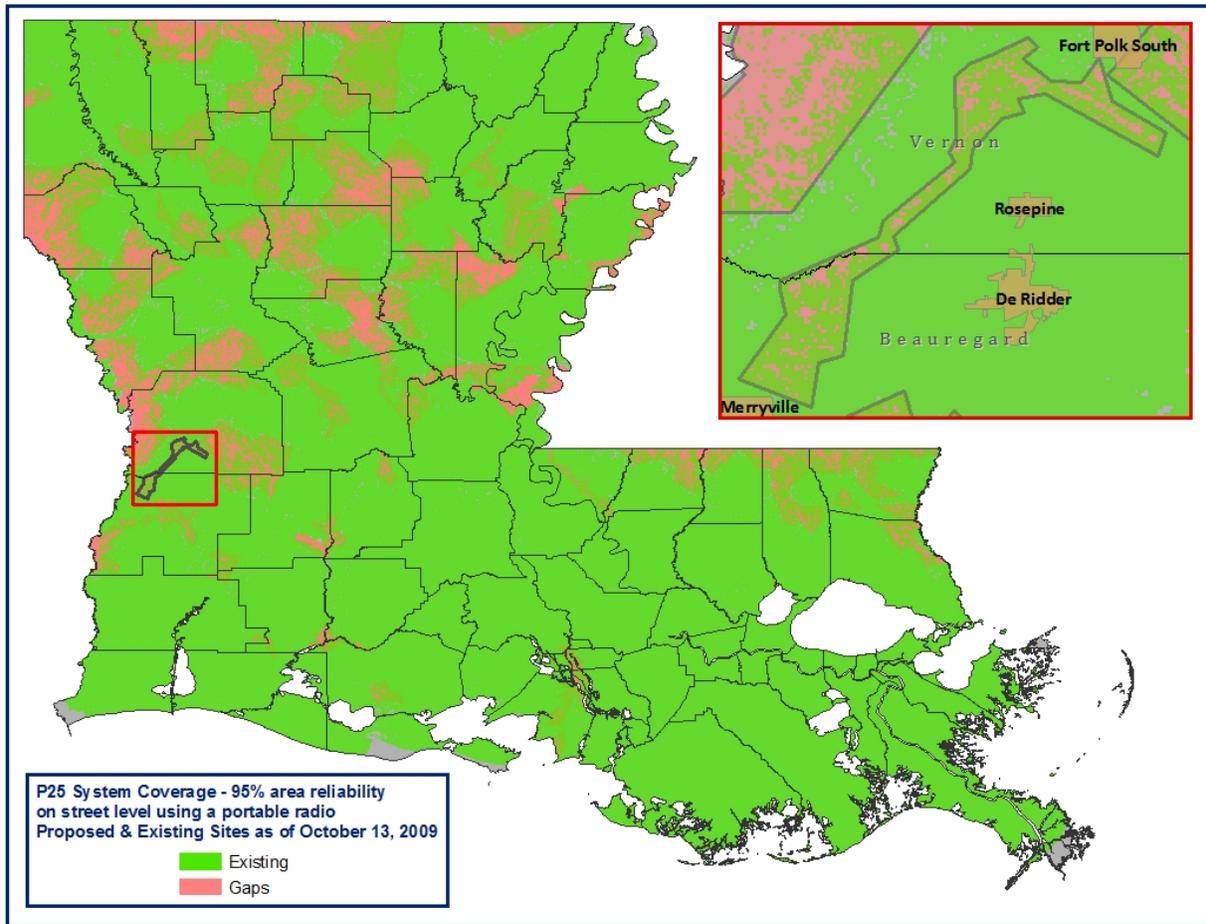
None

**Parishes Impacted**

Beauregard

<b>Urban Areas Impacted</b>	<b>Total Area Covered by Gap (Sq Miles)</b>	<b>Percentage of Urban Area in Gap</b>
None in Area		

### Minor GAP 7



57 | Total Area of Gap (Square Miles)

50.65 | Total Area of Gap without Federal Land (Square Miles)

716 | Total Population

5 | Miles of State Highway

**Critical Infrastructure**

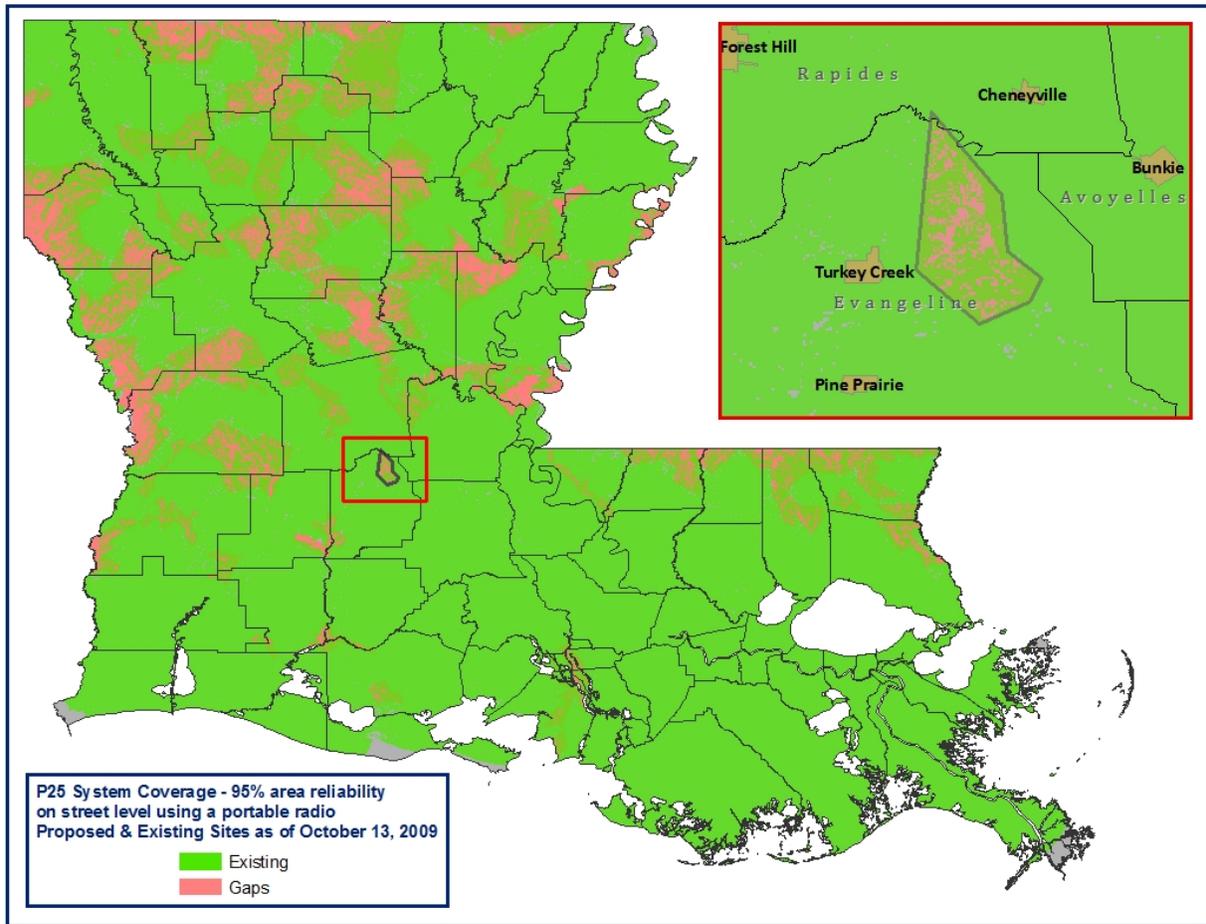
None

**Parishes Impacted**

Beauregard & Vernon

<b>Urban Areas Impacted</b>	<b>Total Area Covered by Gap (Sq Miles)</b>	<b>Percentage of Urban Area in Gap</b>
None in Area		

### Minor GAP 8



- 35 | Total Area of Gap (Square Miles)
- 35 | Total Area of Gap without Federal Land (Square Miles)
- 378 | Total Population
- 7 | Miles of State Highway

**Critical Infrastructure**

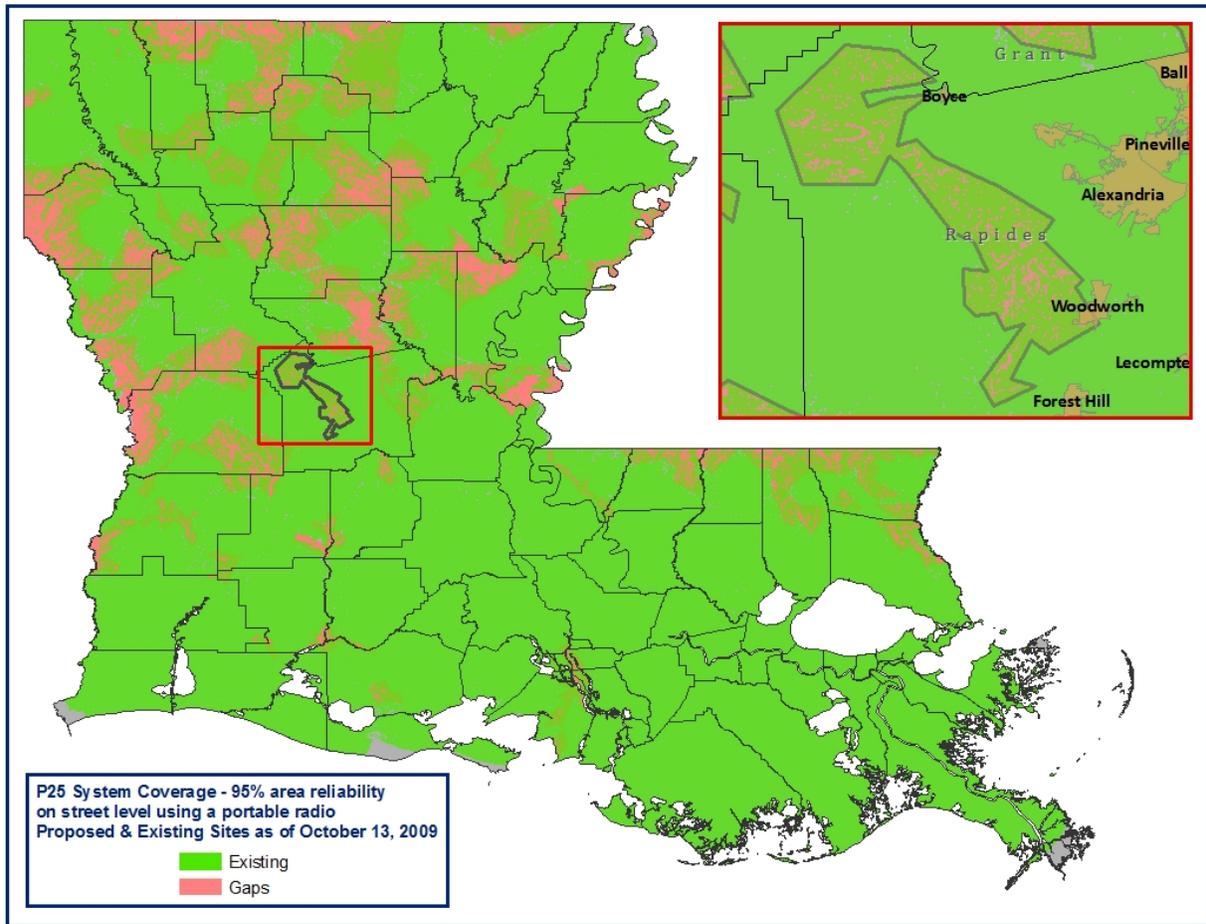
None

**Parishes Impacted**

Evangeline

**Urban Areas Impacted**    **Total Area Covered by Gap (Sq Miles)**    **Percentage of Urban Area in Gap**  
None in Area

### Minor GAP 9



168 | Total Area of Gap (Square Miles)

66.83 | Total Area of Gap without Federal Land (Square Miles)

2,953 | Total Population

36 | Miles of State Highway

#### Critical Infrastructure

None

#### Parishes Impacted

Rapides

#### Urban Areas Impacted

Woodworth

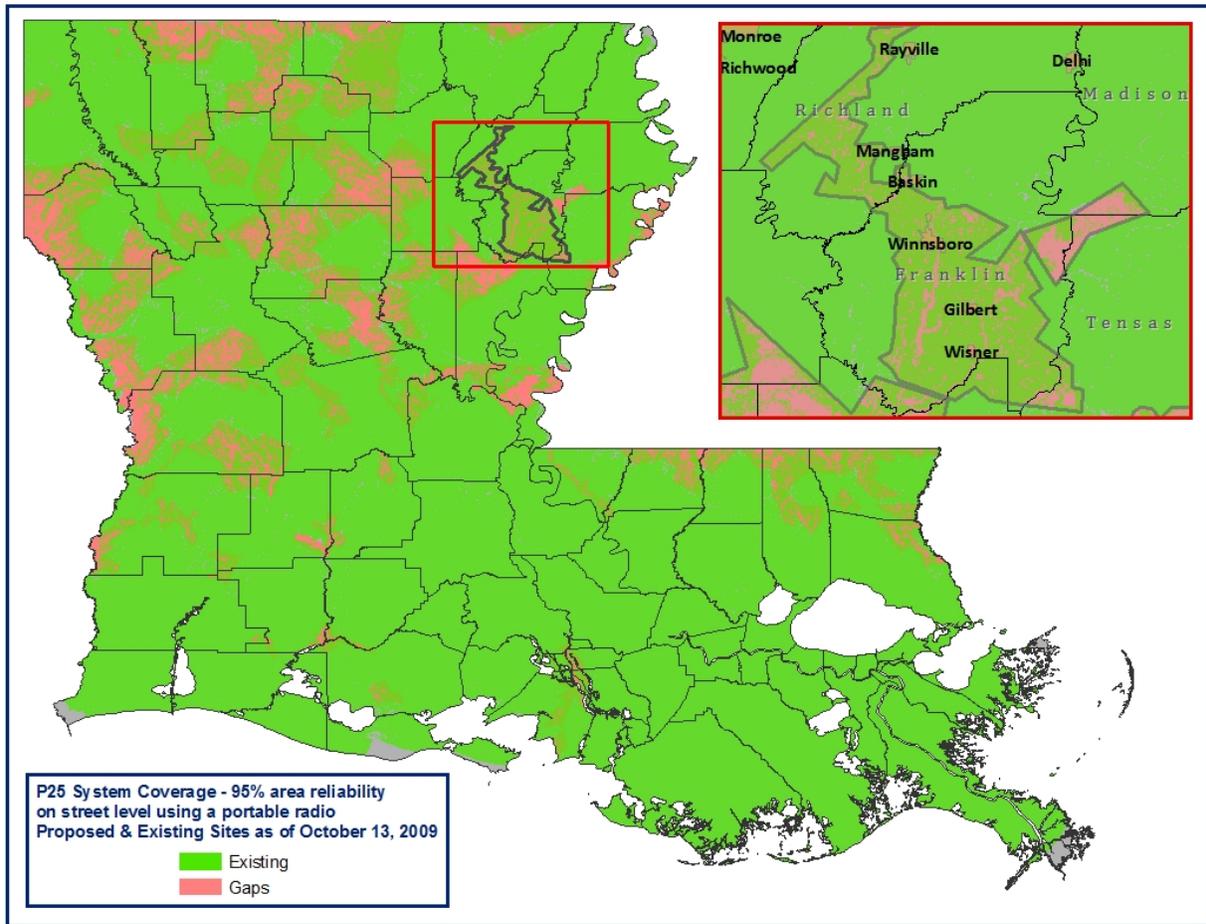
#### Total Area Covered by Gap (Sq Miles)

1.38

#### Percentage of Urban Area in Gap

29%

### Minor GAP 10



389 | Total Area of Gap (Square Miles)

389 | Total Area of Gap without Federal Land (Square Miles)

17,014 | Total Population

191 | Miles of State Highway

#### Critical Infrastructure

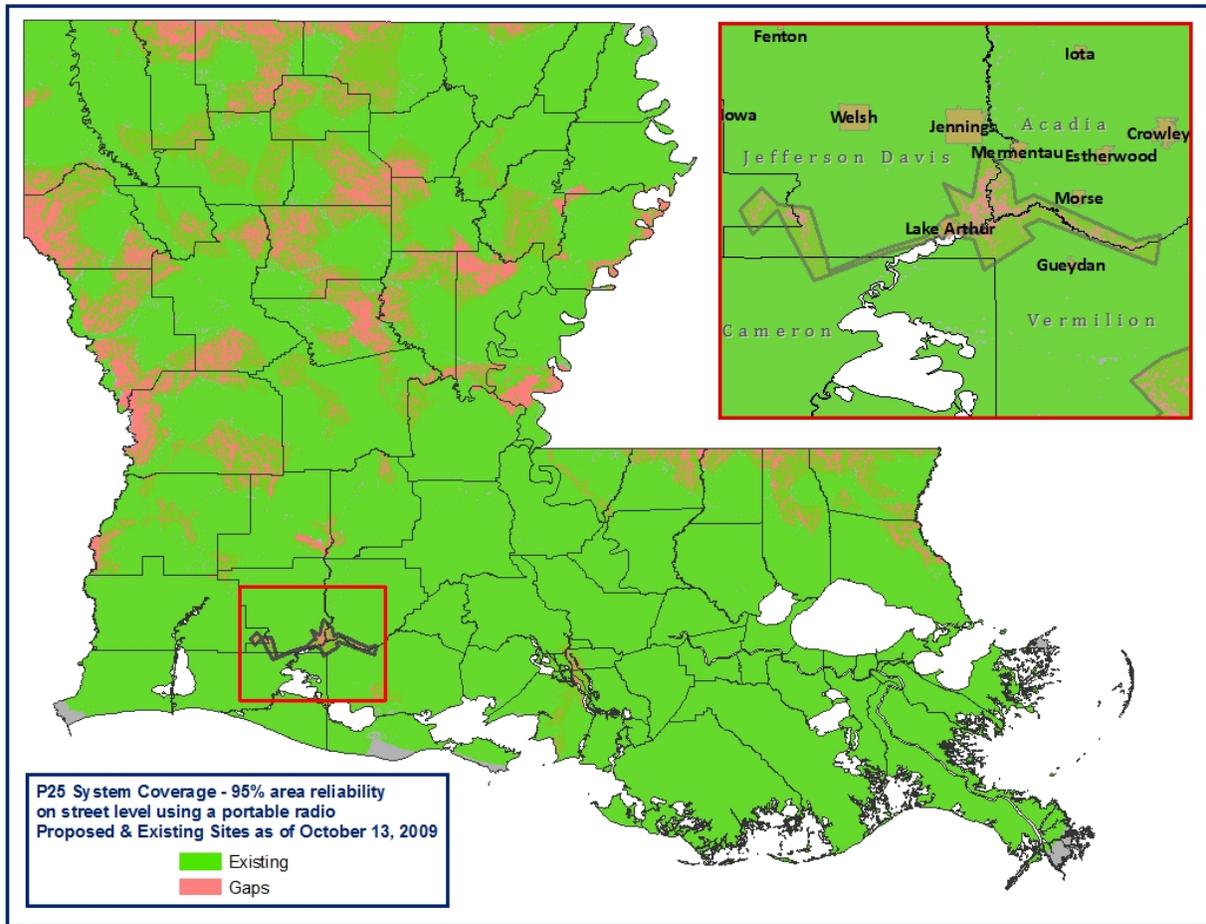
None

#### Parishes Impacted

Catahoula, Franklin, Richland & Tensas

Urban Areas Impacted	Total Area Covered by Gap (Sq Miles)	Percentage of Urban Area in Gap
Baskin	1.31	98%
Gilbert	0.97	100%
Winnsboro	3.97	100%
Wisner	0.8	100%

### Minor GAP 11



96 | Total Area of Gap (Square Miles)

95.83 | Total Area of Gap without Federal Land (Square Miles)

5,665 | Total Population

21 | Miles of State Highway

#### Critical Infrastructure

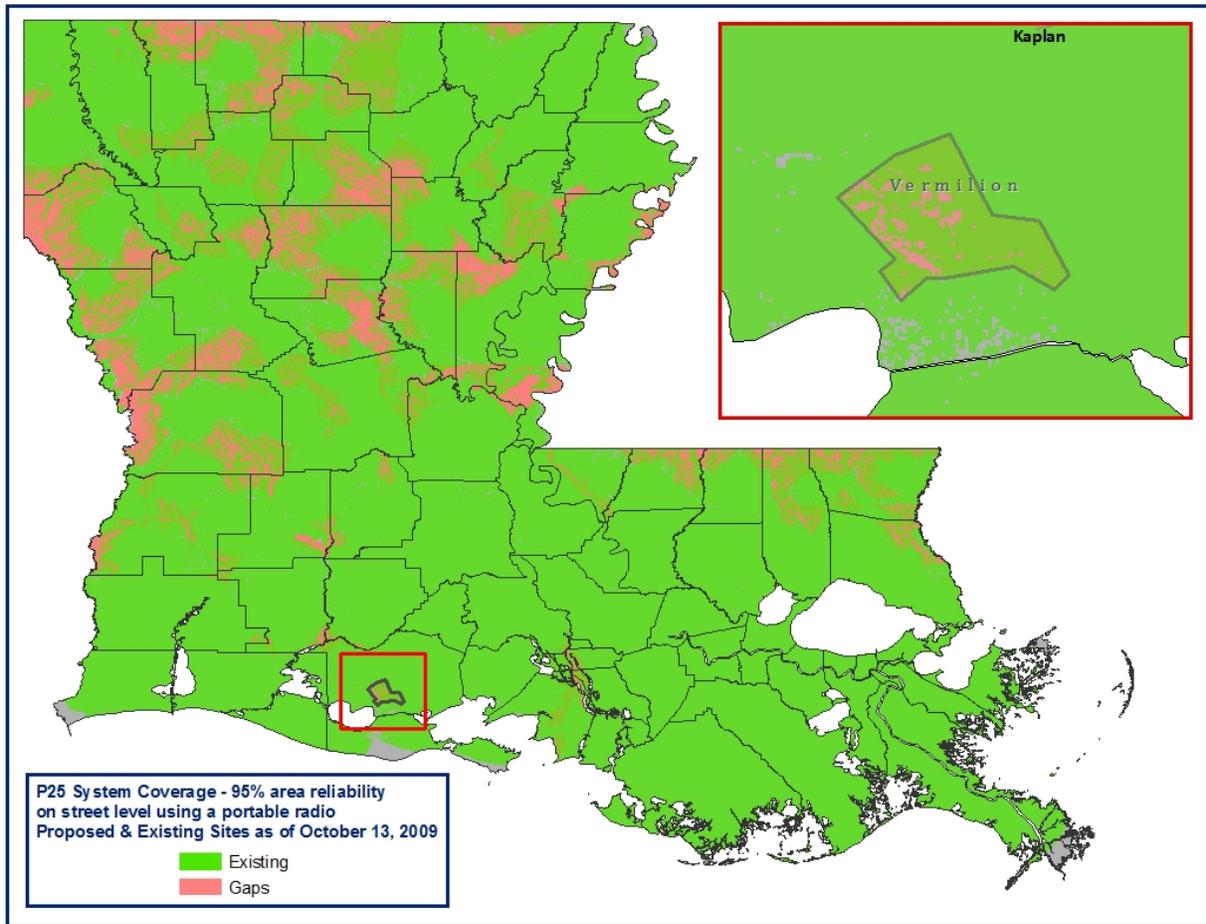
None

#### Parishes Impacted

Acadia, Cameron, Jefferson Davis & Vermilion

Urban Areas Impacted	Total Area Covered by Gap (Sq Miles)	Percentage of Urban Area in Gap
Lake Arthur	2.37	98%

### Minor GAP 12



- 42 | Total Area of Gap (Square Miles)
- 42 | Total Area of Gap without Federal Land (Square Miles)
- 945 | Total Population
- 6 | Miles of State Highway

**Critical Infrastructure**

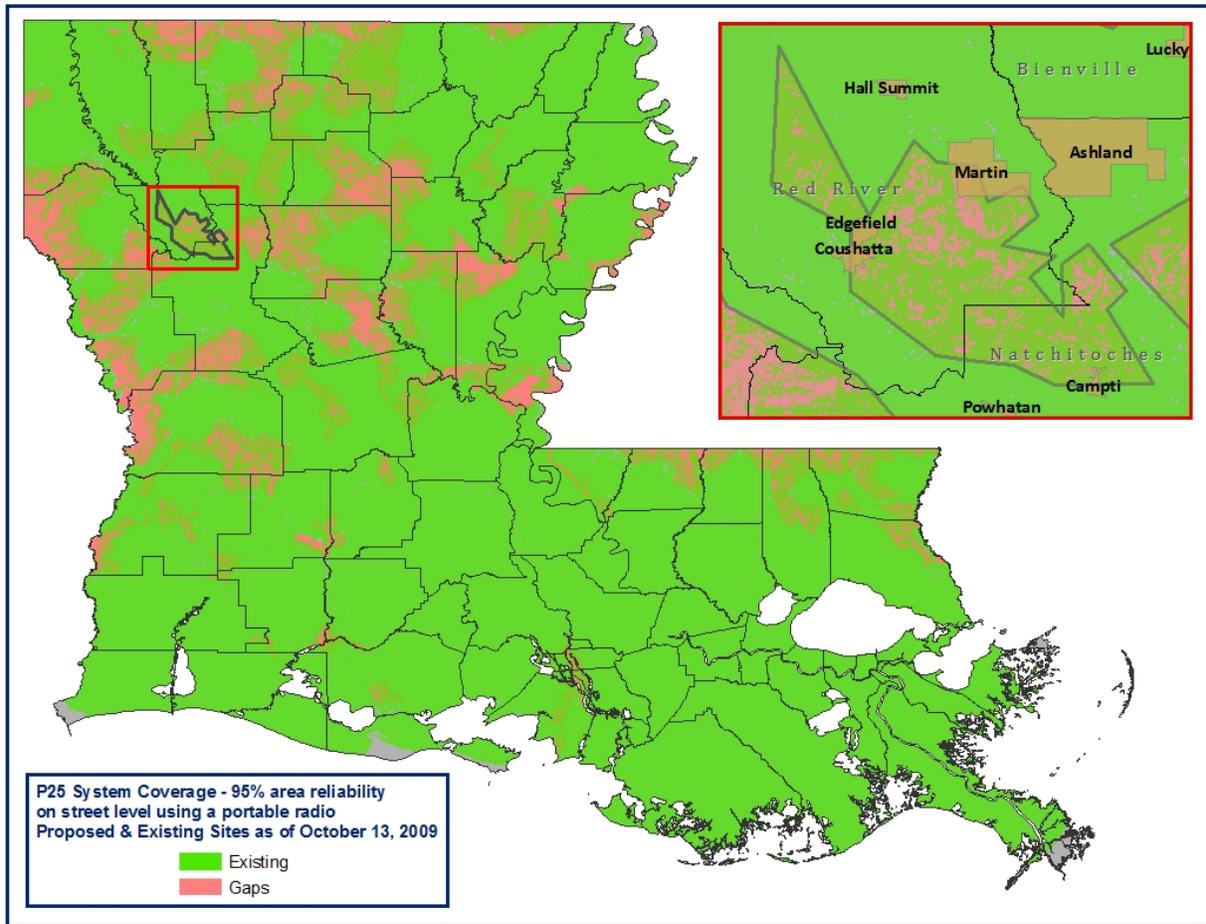
None

**Parishes Impacted**

Vermilion

**Urban Areas Impacted**    **Total Area Covered by Gap (Sq Miles)**    **Percentage of Urban Area in Gap**  
 None in Area

### Minor GAP 13



- 171 | Total Area of Gap (Square Miles)
- 171 | Total Area of Gap without Federal Land (Square Miles)
- 7,300 | Total Population
- 93 | Miles of State Highway

**Critical Infrastructure**

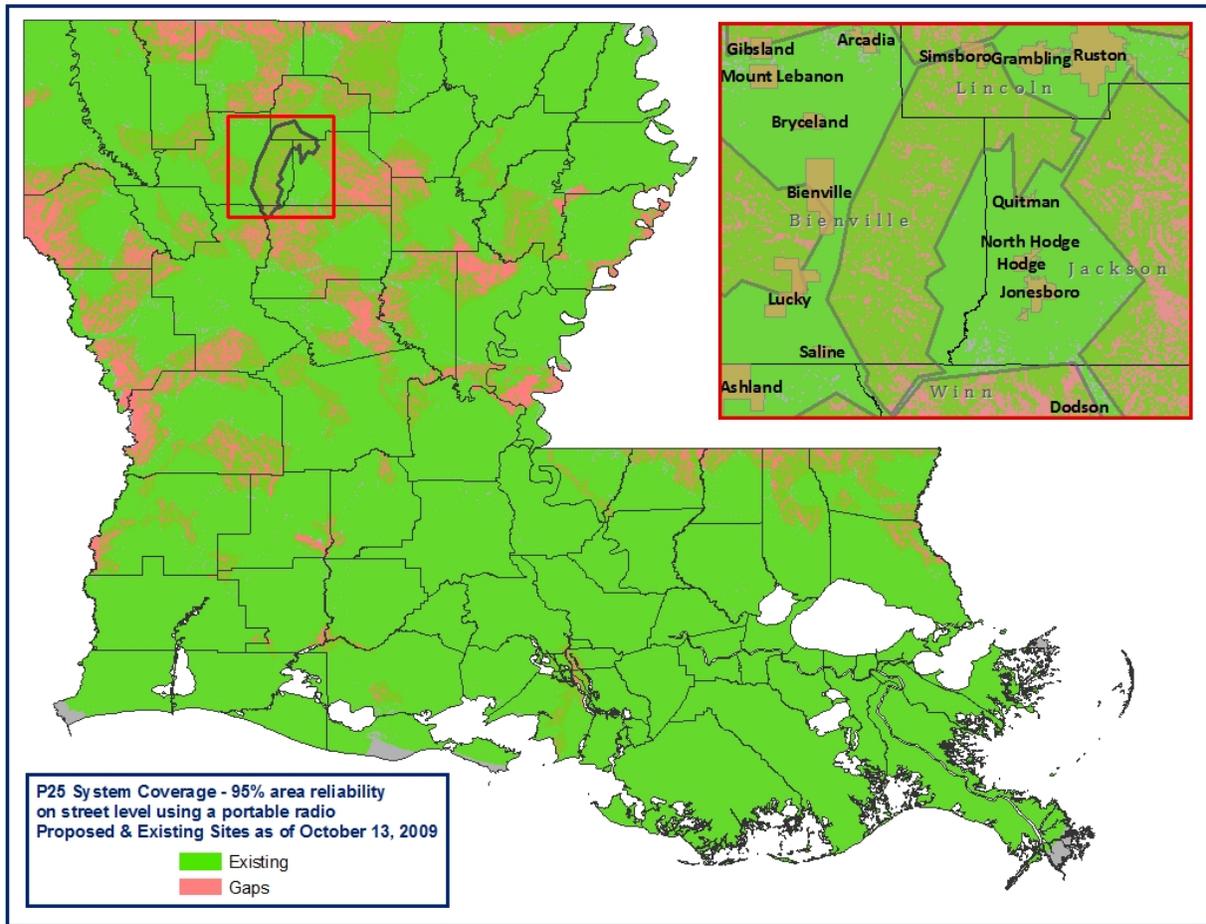
None

**Parishes Impacted**

Natchitoches & Red River

Urban Areas Impacted	Total Area Covered by Gap (Sq Miles)	Percentage of Urban Area in Gap
Campiti	0.44	45%

### Minor GAP 14



235 | Total Area of Gap (Square Miles)

222.27 | Total Area of Gap without Federal Land (Square Miles)

2,806 | Total Population

93 | Miles of State Highway

#### Critical Infrastructure

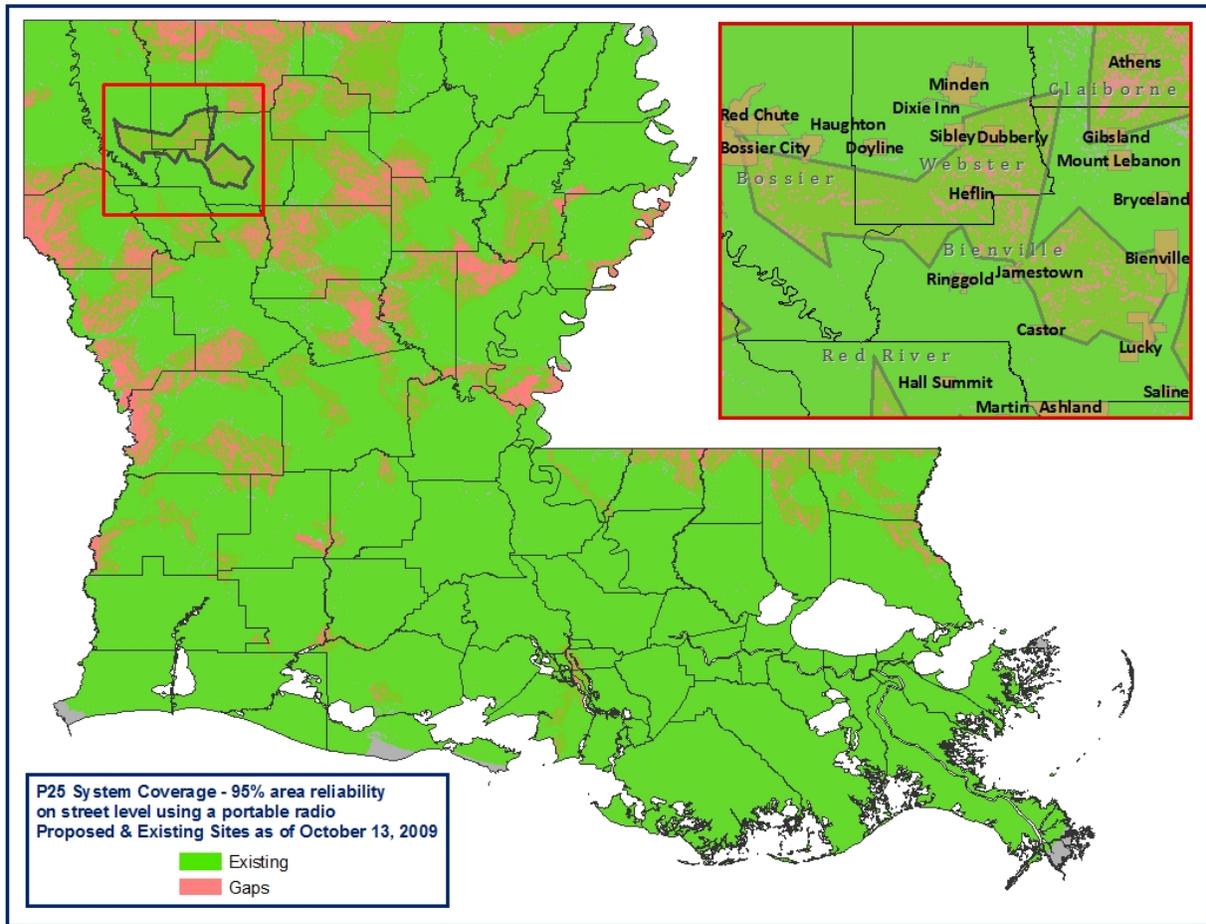
None

#### Parishes Impacted

Bienville, Jackson, Lincoln & Winn

Urban Areas Impacted	Total Area Covered by Gap (Sq Miles)	Percentage of Urban Area in Gap
Simsboro	2.39	70%
Quitman	0.09	10%

### Minor GAP 15



371 | Total Area of Gap (Square Miles)

356.02 | Total Area of Gap without Federal Land (Square Miles)

9,396 | Total Population

120 | Miles of State Highway

#### Critical Infrastructure

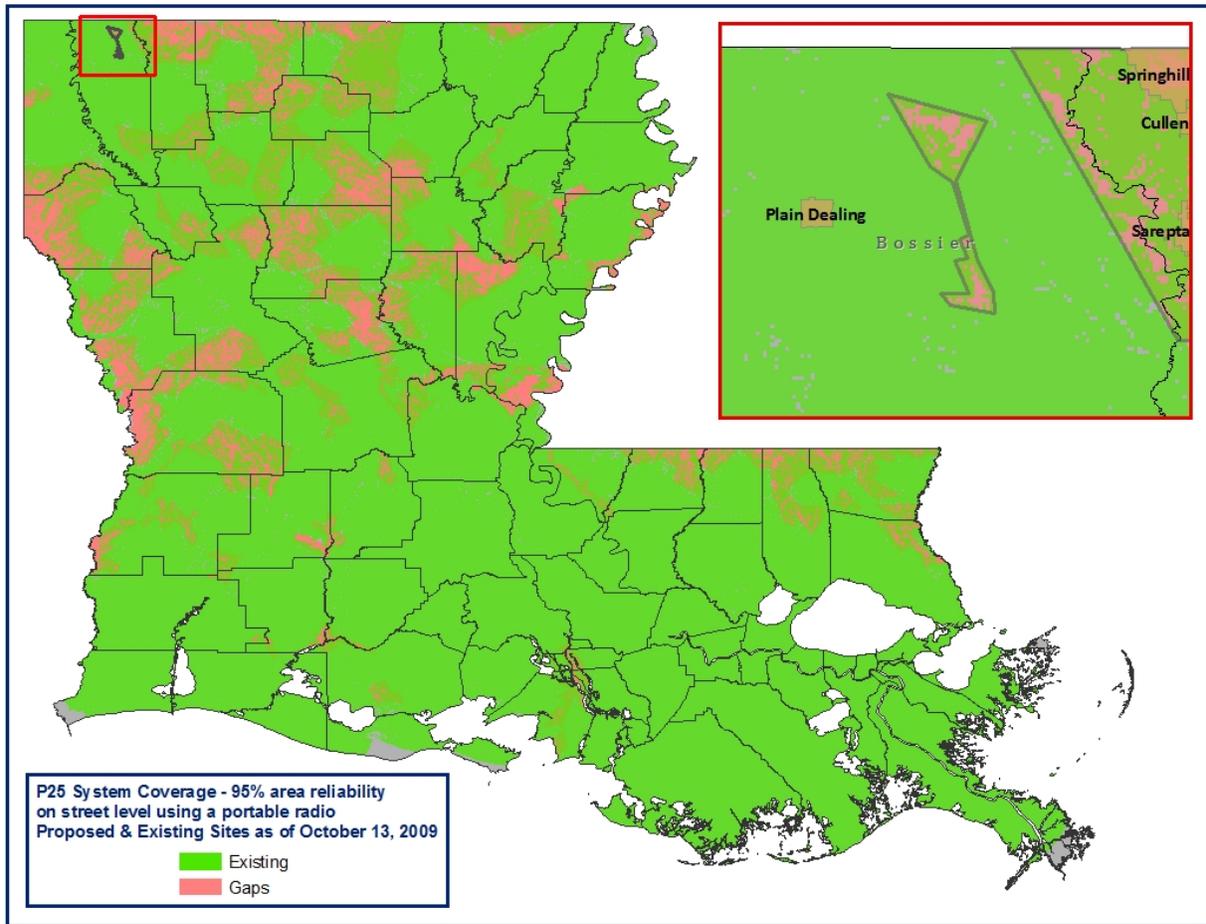
None

#### Parishes Impacted

Bienville, Bossier, Claiborne & Webster

Urban Areas Impacted	Total Area Covered by Gap (Sq Miles)	Percentage of Urban Area in Gap
Bienville	2.86	26%
Bossier City	2.83	7%
Castor	0.11	9%
Dubberly	3.93	100%
Haughton	0.24	6%
Heflin	1.99	100%
Jamestown	0.22	13%
Lucky	3.81	47%
Sibley	0.48	12%

### Minor GAP 16



- 11 | Total Area of Gap (Square Miles)
- 11 | Total Area of Gap without Federal Land (Square Miles)
- 69 | Total Population
- 3 | Miles of State Highway

**Critical Infrastructure**

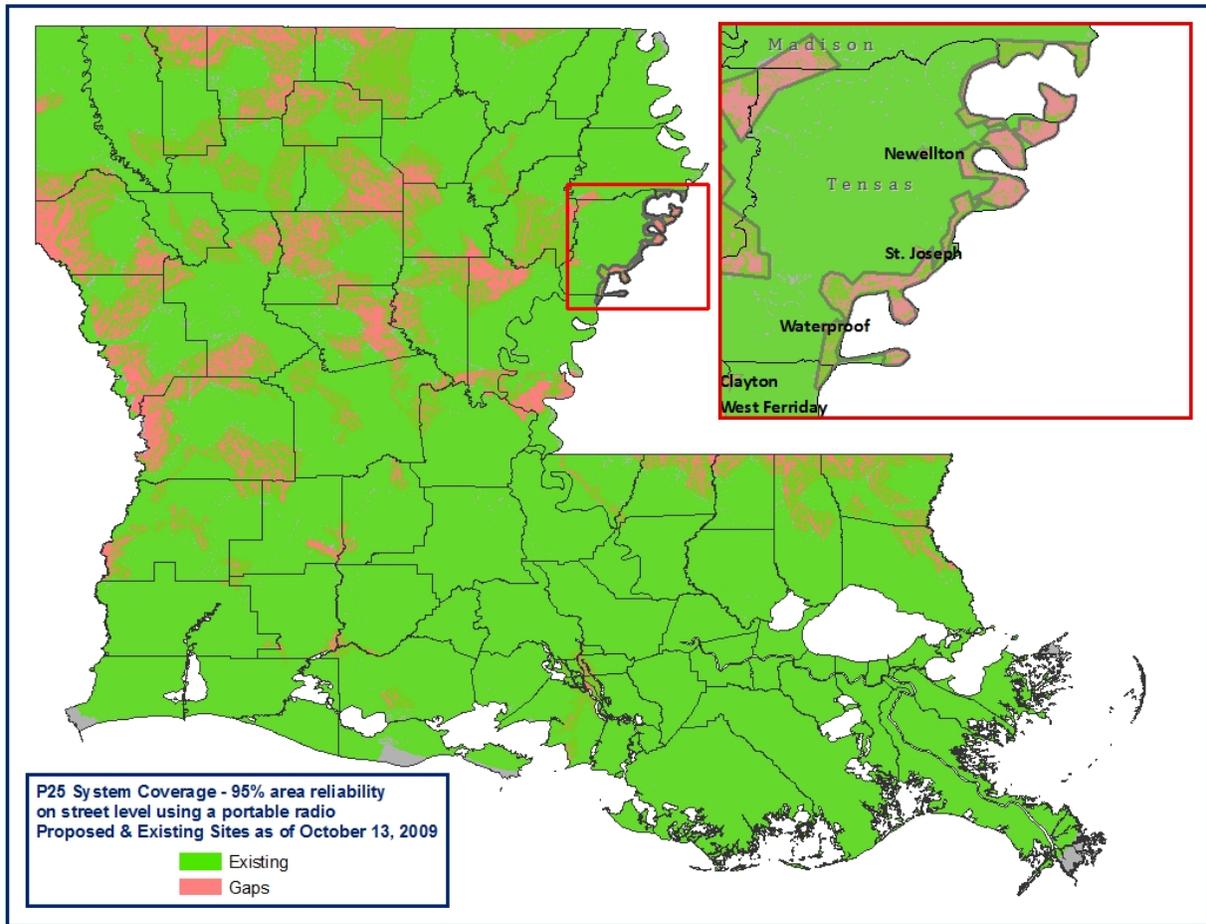
None

**Parishes Impacted**

Bossier

**Urban Areas Impacted**    **Total Area Covered by Gap (Sq Miles)**    **Percentage of Urban Area in Gap**  
 None in Area

### Minor GAP 17



- 115 | Total Area of Gap (Square Miles)
- 115 | Total Area of Gap without Federal Land (Square Miles)
- 319 | Total Population
- 29 | Miles of State Highway

**Critical Infrastructure**

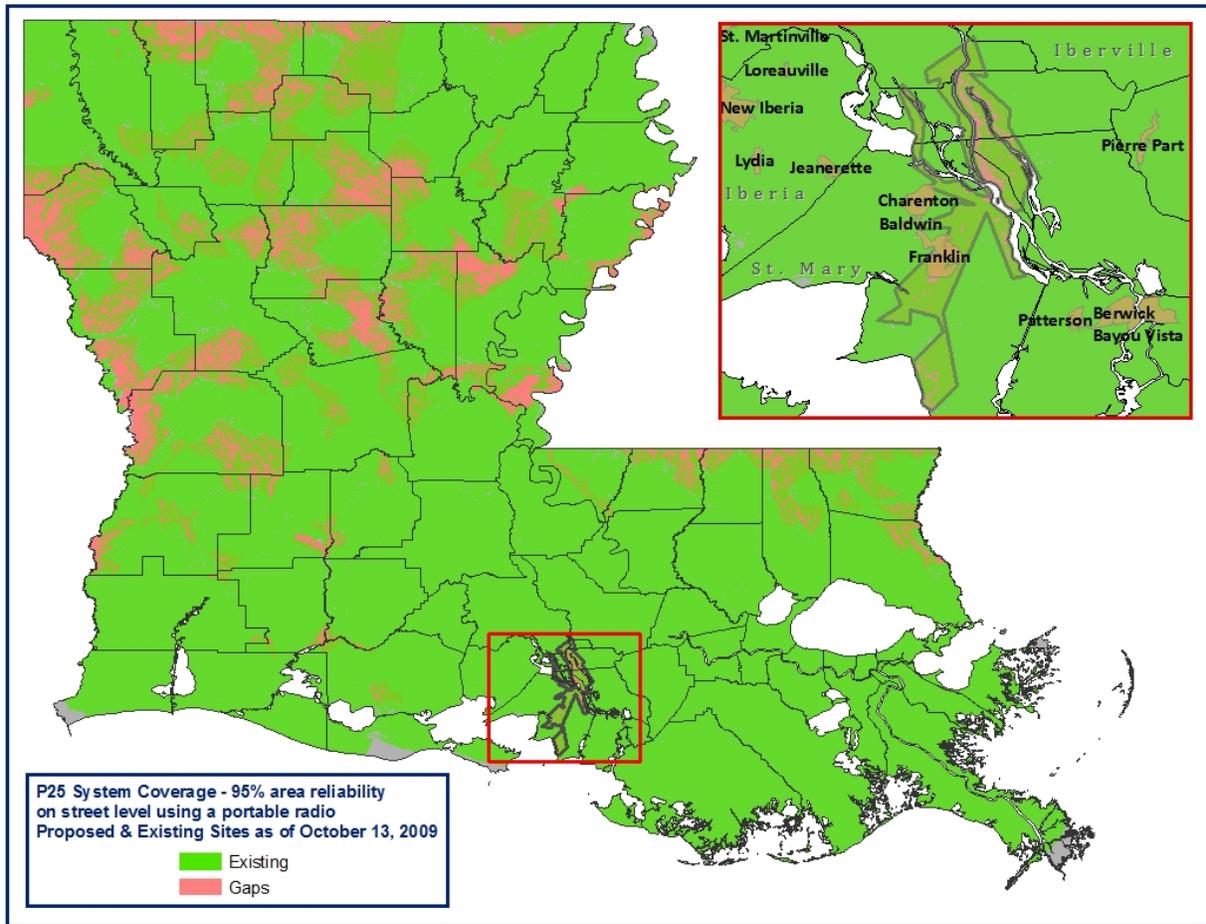
None

**Parishes Impacted**

Concordia, Madison & Tensas

Urban Areas Impacted	Total Area Covered by Gap (Sq Miles)	Percentage of Urban Area in Gap
St. Joseph	0.08	9%

### Minor GAP 18



- 167 | Total Area of Gap (Square Miles)
- 167 | Total Area of Gap without Federal Land (Square Miles)
- 6,352 | Total Population
- 11 | Miles of State Highway

**Critical Infrastructure**

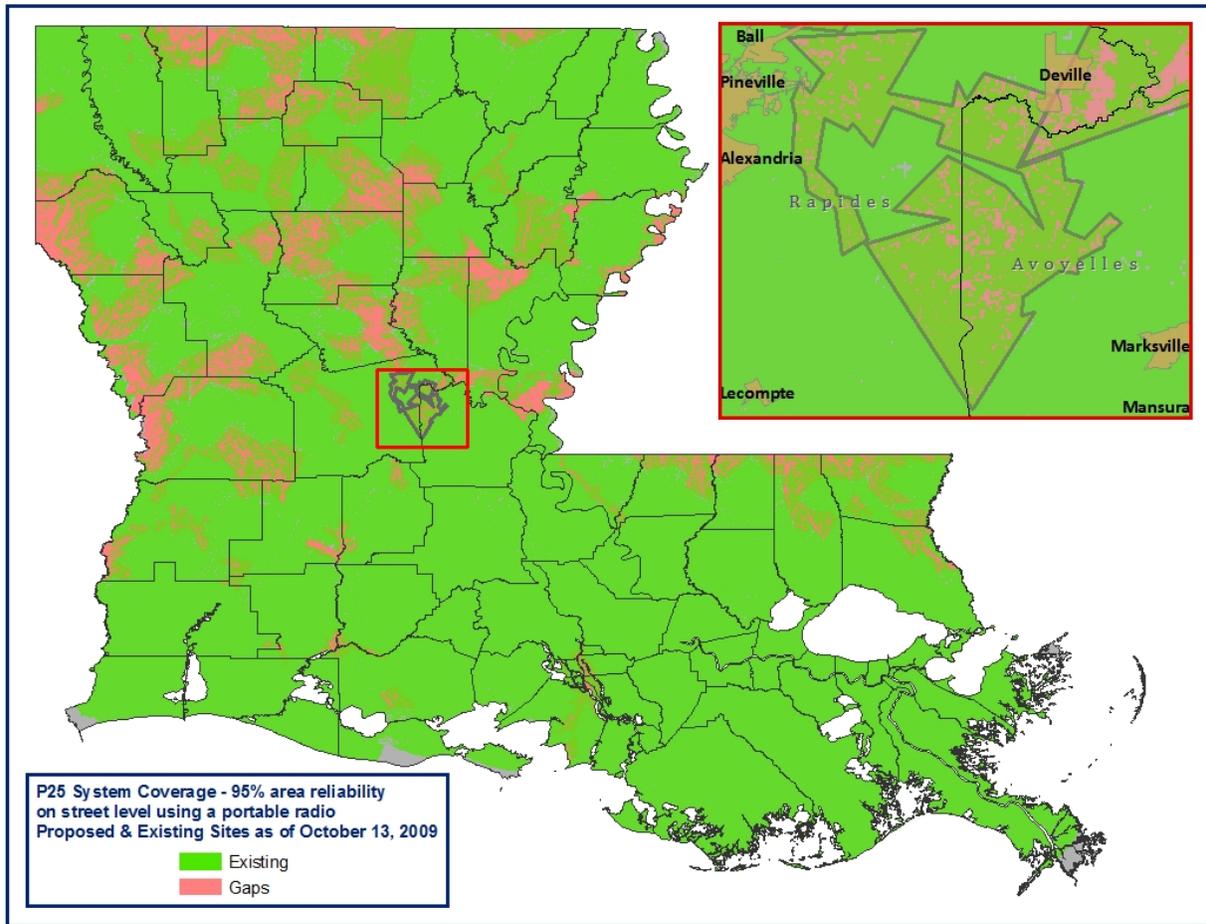
None

**Parishes Impacted**

Iberia, St. Martin & St. Mary

<b>Urban Areas Impacted</b>	<b>Total Area Covered by Gap (Sq Miles)</b>	<b>Percentage of Urban Area in Gap</b>
Franklin	7.12	68%

### Minor GAP 19



- 135 | Total Area of Gap (Square Miles)
- 135 | Total Area of Gap without Federal Land (Square Miles)
- 7,183 | Total Population
- 3 | Miles of State Highway

**Critical Infrastructure**

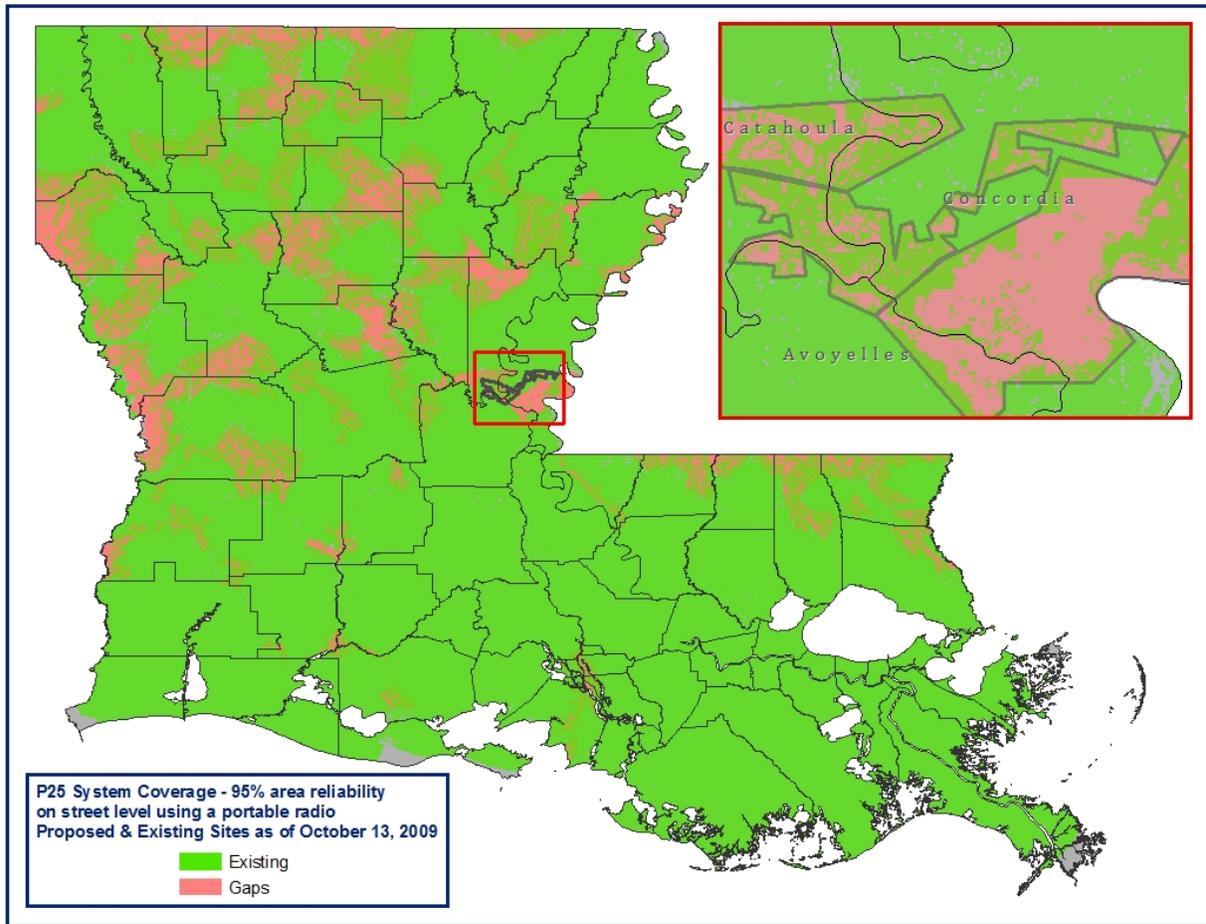
None

**Parishes Impacted**

Avoyelles and Rapides

Urban Areas Impacted	Total Area Covered by Gap (Sq Miles)	Percentage of Urban Area in Gap
Deville	0.47	8%
Pineville	0.04	0%

### Minor GAP 20



57 | Total Area of Gap (Square Miles)

49.98 | Total Area of Gap without Federal Land (Square Miles)

174 | Total Population

24 | Miles of State Highway

#### Critical Infrastructure

None

#### Parishes Impacted

Avoyelles, Catahoula & Concordia

Urban Areas Impacted	Total Area Covered by Gap (Sq Miles)	Percentage of Urban Area in Gap
None in Area		

## For More Information

Brant Mitchell

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