Public Reference Copy

Mobility Fund
Phase 1 - §54.1009 Annual Reporting
Data Collection Form

FCC Form
Approved by OMB
OMB 3060-1185
Avg. Burden Estimate per Respondent: 18 Hours

<010>	Study Area Code	238049
<015>	Study Area Name	United States Cellular Corporation
<020>	Program Year	2017
<030>	Contact Name: Person USAC should contact with questions about this data	Stephanie Cassioppi
<035>	Contact Telephone Number: Number of the person identified in data line <030>	7733997940 ext.
<039>	Contact Email: Email of the person identified in data line <030>	Stephanie.Cassioppi@USCellular.com

<040> **Has the information required pursuant to §54.1009 been provided with a Form 481 filing (Y/N)** <040> ◉ ○

<041> Attach a description of the documents filed with the Form 481 reporting <041> 238049VA041.pdf

<042> Cite the Study Area Code (SAC) for the Form 481 reporting <042> 239006

<080> **Tribal Lands Reporting (y/n?)** *(Does this study area cover tribal lands? Yes or No)* ○ ◉

Notice to Individuals Required by the Paperwork Reduction Act of 1995
OMB Control Number 3060-1185 (Annual Report for Mobility Fund Phase I Support, FCC Form 690 and Record Retention Requirements)
Notice to Individuals Required by the Paperwork Reduction Act of 1995
Public reporting burden for this collection of information is estimated to average 18 hours per response. Our estimate includes the time to read the instructions, look through existing records, gather and maintain required data, and actually complete and review the form or response. If you have any comments on this estimate, or on how we can improve the collection and reduce the burden it causes you, please write the Federal Communications Commission, Office of Managing Director, AMD-PERM, Washington, DC 20554, Paperwork Reduction Act Project (3060-1185). Please DO NOT SEND COMPLETED FORMS TO THIS ADDRESS. You are not required to respond to a collection of information sponsored by the Federal government, and the government may not conduct or sponsor this collection, unless it displays a currently valid OMB control number and/or we fail to provide you with this notice. This collection has been assigned an OMB control number of 3060-1185.
THIS NOTICE IS REQUIRED BY THE PAPERWORK REDUCTION ACT OF 1995, PUBLIC LAW 104-13, OCTOBER 1, 1995, 44 U.S.C. SECTION 3507.

(050) Carrier Contact Form

<010>	Study Area Code	238049
<015>	Study Area Name	United States Cellular Corporation
<020>	Program Year	2017
<030>	Contact Name - Person USAC should contact regarding this data	Stephanie Cassioppi
<035>	Contact Telephone Number - Number of person identified in data line <030>	7733997940 ext.
<039>	Contact Email Address - Email Address of person identified in data line <030>	Stephanie.Cassioppi@USCellular.com

Reporting Carrier / Mobility Fund Phase 1 Winning Bidder

<110>	FCC Registration Number	4372322
<111>	Filing Carrier Name	United States Cellular Corporation
<112>	Winning Bidder Carrier Name	United States Cellular Corporation
<113>	Street Address (or PO Box)	8410 W. Bryn Mawr
<114>	City	Chicago
<115>	State	IL
<116>	Zip-Code	60631
<117>	Telephone Number	7733997940 ext.
<118>	Fax Number	7733998959
<119>	Email Address	Stephanie.Cassioppi@USCellular.com

Contact Information

if same as above, indicate in this box ☐

<120>	Name (First, MI, Last, Suffix)	Stephanie Cassioppi
<121>	Filing Carrier Name	United States Cellular Corporation
<122>	Street Address (or PO Box)	8410 W. Bryn Mawr
<123>	City	Chicago
<124>	State	IL
<125>	Zip-Code	60631
<126>	Telephone Number	7733997940 ext.
<127>	Fax Number	7733998959
<128>	Email Address	Stephanie.Cassioppi@USCellular.com

Authorized Agent Information

if no agent, indicate in this box ☑

<130>	Name (First, MI, Last, Suffix)	
<131>	Company	
<132>	Street Address (or PO Box)	
<133>	City	
<134>	State	
<135>	Zip-Code	
<136>	Telephone Number	
<137>	Fax Number	
<138>	Email Address	

(060) Coverage and Performance Report

FCC Form 690
Ap proved by OMB
OMB Control No. 3060-1185

<010>	Study Area Code	238049
<015>	Study Area Name	United States Cellular Corporation
<020>	Program Year	2017
<030>	Contact Name - Person USAC should contact regarding this data	Stephanie Cassioppi
<035>	Contact Telephone Number - Number of person identified in data line <030>	7733997940 ext.
<039>	Contact Email Address - Email Address of person identified in data line <030>	Stephanie.Cassioppi@USCellular.com

<140> Coverage and Performance Report Year 01/2016 - 12/2016

Coverage and Performace attachments

238049_CPRd_NC_final.zip, 238049_CPRe_f_NC_final.zip,
238049_covered_roads_undriveable_roads_final.zip

<141>

<a1>	<a2>	<a3>	<b1>	<b2>	<b3>	<c1>	<c2>	<c3>	<d>
State	**County**	**Census Block**	**Resident Population per Census Block**	**Resident Population Newly Reached by Service**	**Total Resident Population Reached by Service**	**Road Miles per Census Block**	**Road Miles per Census Block Newly Reached**	**Total Road Miles covered per Census Block**	**Certify that Coverage and Performance data is uploaded (Yes/no)**
			-- See attached worksheet						
			--						

Percentage of Total Population Reached by Service

Percentage of Total Road Miles covered by Service

(070) Urban Rate Comparability Certification Compliance

<010>	Study Area Code	238049
<015>	Study Area Name	United States Cellular Corporation
<020>	Program Year	2017
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<035>	Contact Telephone Number - Number of person identified in data line <030>	7733997940 ext.
<039>	Contact Email Address - Email Address of person identified in data line <030>	Stephanie.Cassioppi@USCellular.com

TO BE COMPLETED BY THE REPORTING CARRIER, IF THE REPORTING CARRIER IS FILING CERTIFICATION DATA ON ITS OWN BEHALF:

Certification of Officer or Employee as to Compliance with 47 CFR §54.1009(a)(4)

I certify that I am an officer or employee of the reporting carrier; my responsibilities include ensuring compliance with 47 CFR §54.1009(a)(4), the information reported on this form and in any attachments is accurate.

Name of Reporting Carrier: United States Cellular Corporation

Signature of Authorized Officer: CERTIFIED ONLINE Date 06/21/2017

Printed name of Authorized Officer: John Gockley

Title or position of Authorized Officer: VP-Legal and Regulatory Affairs

Telephone number of Authorized Officer: 7738643167 ext.

Study Area Code of Reporting Carrier: 238049 Filing Due Date for this form: 07/03/2017

Persons willfully making false statements on this form can be punished by fine or forfeiture under the Communications Act of 1934, 47 U.S.C. §§ 502, 503(b), or fine or imprisonment under Title 18 of the United States Code, 18 U.S.C. § 1001.

TO BE COMPLETED BY THE REPORTING CARRIER, IF AN AGENT IS FILING CERTIFICATION DATA ON THE CARRIER'S BEHALF:

Certification of Officer or Employee to authorize an Agent to file Compliance with 47 CFR §54.1009(a)(4) on Behalf of Reporting Carrier

I certify that (Name of Agent)_____ is authorized to submit the information reported on behalf of the reporting carrier. I also certify that I am an officer or employee of the reporting carrier; my responsibilities include ensuring compliance with 47 CFR §54.1009(a)(4) reported to the authorized agent; and, to the best of my knowledge, the reports and data provided to the authorized agent is accurate.

Name of Authorized Agent:

Name of Reporting Carrier:

Signature of Authorized Officer or Employee: Date:

Printed name of Authorized Officer or Employee:

Title or position of Authorized Officer or Employee:

Telephone number of Authorized Officer or Employee:

Study Area Code of Reporting Carrier: Filing Due Date for this form:

Persons willfully making false statements on this form can be punished by fine or forfeiture under the Communications Act of 1934, 47 U.S.C. §§ 502, 503(b), or fine or imprisonment under Title 18 of the United States Code, 18 U.S.C. § 1001.

TO BE COMPLETED BY THE AUTHORIZED AGENT:

Certification of Agent Authorized to File Compliance with 47 CFR §54.1009(a)(4) on Behalf of Reporting Carrier

I, as agent for the reporting carrier, certify that I am authorized to submit the certification on behalf of the reporting carrier; I have provided the data reported herein based on data provided by the reporting carrier; and, to the best of my knowledge, the information reported herein is accurate.

Name of Reporting Carrier:

Name of Authorized Agent Firm:

Signature of Authorized Agent or Employee of Agent: Date:

Name of Authorized Agent Employee:

Title or position of Authorized Agent or Employee of Agent

Telephone number of Authorized Agent or Employee of Agent:

Study Area Code of Reporting Carrier: Filing Due Date for this form:

Persons willfully making false statements on this form can be punished by fine or forfeiture under the Communications Act of 1934, 47 U.S.C. §§ 502, 503(b), or fine or imprisonment under Title 18 of the United States Code, 18 U.S.C. § 1001.

(080) Tribal Lands Reporting

<010>	Study Area Code	238049
<015>	Study Area Name	United States Cellular Corporation
<020>	Program Year	2017
<030>	Contact Name - Person USAC should contact regarding this data	Stephanie Cassioppi
<035>	Contact Telephone Number - Number of person identified in data line <030>	7733997940 ext.
<039>	Contact Email Address - Email Address of person identified in data line <030>	Stephanie.Cassioppi@USCellular.com

<142> State

<143> County

<144> Tribal Land(s) on which ETC Serves

<145> Tribal Government Engagement Obligation

Name of Attached Document (.pdf)

If your company serves Tribal lands, please select (Yes, No, Not Applicable) for each of these boxes to confirm the status described on the attached PDF, on line 145, demonstrates coordination with the Tribal government pursuant to § 54.1004 includes:

		Select (Yes, No, Not Applicable)
<146>	Needs assessment and deployment planning with a focus on Tribal community anchor institutions;	
<147>	Feasibility and sustainability planning;	
<148>	Marketing services in a culturally sensitive manner;	
<149>	Compliance with Rights of way processes	
<150>	Compliance with Land Use permitting requirements	
<151>	Compliance with Facilities Siting rules	
<152>	Compliance with Environmental Review processes	
<153>	Compliance with Cultural Preservation review processes	
<154>	Compliance with Tribal Business and Licensing requirements.	

(090) Project Update Information

FCC Form 690
Approved by OMB
OMB Control No. 3060-1185

<010>	Study Area Code	238049
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<020>	Program Year	2017
<030>	Contact Name - Person USAC should contact regarding this data	Stephanie Cassioppi
<035>	Contact Telephone Number - Number of person identified in data line <030>	7733997940 ext.
<039>	Contact Email Address - Email Address of person identified in data line <030>	Stephanie.Cassioppi@USCellular.com

<200>	Date Authorized to Receive Support	06/24/2013
<201>	Targeted Completion Date	05/01/2016
<202>	Total Mobility Fund Support Awarded	
<203>	Total Mobility Fund Support Disbursed	
<210>	Actual Completion Date	
<211>	Project Status Description (attached)	238049NC211final.pdf *{Name of PDF attached}*

Please check these boxes below to confirm that the attached PDF, on line 211, contains a project status pursuant to §54.1005(b)(2)(v). The information shall be submitted as appropriate.

<212>	Status of Network Deployment - Network Design	✔
<213>	Status of Network Deployment - Construction	✔
<214>	Status of Network Deployment - Deployment	✔
<215>	Status of Network Deployment - Maintenance	✔
<216>	Project Budget Status	✔
<217>	Project Plan Status	✔

<218> Network will Support 3G/4G Mobile Service ? ○ 3G ◉ 4G

(101) Certification - Reporting Carrier

<010>	Study Area Code	238049
<015>	Study Area Name	United States Cellular Corporation
<020>	Program Year	2017
<030>	Contact Name - Person USAC should contact regarding this data	Stephanie Cassioppi
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<039>	Contact Email Address - Email Address of person identified in data line <030>	Stephanie.Cassioppi@USCellular.com

TO BE COMPLETED BY THE REPORTING CARRIER, IF THE REPORTING CARRIER IS FILING ON ITS OWN BEHALF:

Certification of Officer as to the Accuracy of the Data Reported for Mobility Fund Recipients

I certify that I am an officer of the reporting carrier; my responsibilities include ensuring the accuracy of the reporting requirements for Mobility Fund recipients; and, to the best of my knowledge, the information reported on this form and in any attachments is accurate.

Name of Reporting Carrier: United States Cellular Corporation

Signature of Authorized Officer: CERTIFIED ONLINE Date 06/21/2017

Printed name of Authorized Officer: John Gockley

Title or position of Authorized Officer: VP-Legal and Regulatory Affairs

Telephone number of Authorized Officer: 7738643167 ext.

Study Area Code of Reporting Carrier: 238049 Filing Due Date for this form: 07/03/2017

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(102) Certification - Agent / Carrier

<010>	Study Area Code	238049
<015>	Study Area Name	United States Cellular Corporation
<020>	Program Year	2017
<030>	Contact Name - Person USAC should contact regarding this data	Stephanie Cassioppi
<035>	Contact Telephone Number - Number of person identified in data line <030>	7733997940 ext.
<039>	Contact Email Address - Email Address of person identified in data line <030>	Stephanie.Cassioppi@USCellular.com

TO BE COMPLETED BY THE REPORTING CARRIER, IF AN AGENT IS FILING ON THE CARRIER'S BEHALF:

Certification of Officer to Authorize an Agent to File for Mobility Fund Recipients on Behalf of Reporting Carrier

I certify that (Name of Agent)_____ is authorized to submit the information reported on behalf of the reporting carrier. I also certify that I am an officer of the reporting carrier; my responsibilities include ensuring the accuracy of the data reporting requirements provided to the authorized agent; and, to the best of my knowledge, the reports and data provided to the authorized agent is accurate.

Name of Authorized Agent:

Name of Reporting Carrier:

Signature of Authorized Officer: Date:

Printed name of Authorized Officer:

Title or position of Authorized Officer:

Telephone number of Authorized Officer:

Study Area Code of Reporting Carrier: Filing Due Date for this form:

Persons willfully making false statements on this form can be punished by fine or forfeiture under the Communications Act of 1934, 47 U.S.C. §§ 502, 503(b), or fine or imprisonment under Title 18 of the United States Code, 18 U.S.C. § 1001.

TO BE COMPLETED BY THE AUTHORIZED AGENT:

Certification of Agent Authorized to File for Mobility Fund Recipients on Behalf of Reporting Carrier

I, as agent for the reporting carrier, certify that I am authorized to submit the reports for Mobility Fund recipients on behalf of the reporting carrier; I have provided the data reported herein based on data provided by the reporting carrier; and, to the best of my knowledge, the information reported herein is accurate.

Name of Reporting Carrier:

Name of Authorized Agent Firm:

Signature of Authorized Agent or Employee of Agent: Date:

Name of Authorized Agent Employee:

Title or position of Authorized Agent or Employee of Agent

Telephone number of Authorized Agent or Employee of Agent:

Study Area Code of Reporting Carrier: Filing Due Date for this form:

Persons willfully making false statements on this form can be punished by fine or forfeiture under the Communications Act of 1934, 47 U.S.C. §§ 502, 503(b), or fine or imprisonment under Title 18 of the United States Code, 18 U.S.C. § 1001.

Attachments

Public Reference Copy

(060) Coverage and Performance Report

FCC Form 690
Approved by OMB
OMB Control No. 3060-1185

<010>	Study Area Code	238049
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<039>	Contact Email Address - Email Address of person identified in data line <030>	Stephanie.Cassioppi@USCellular.com
<140>	Coverage and Performance Report Year	01/2016 - 12/2016

<141>

<a1>	<a2>	<a3>	<b1>	<b2>	<b3>	<c1>	<c2>	<c3>	<d>
State	**County**	**Census Block**	**Resident Population per Census Block**	**Resident Population Newly Reached by Service**	**Total Resident Population Reached by Service**	**Road Miles per Census Block**	**Road Miles per Census Block Newly Reached**	**Total Road Miles covered per Census Block**	**Certify that Coverage and Performacne data is uploaded (yes/no)**
NC	Warren	371859504001019	39	37	37	1.14	[redacted]	[redacted]	Yes
NC	Warren	371859504002019	0	0	0	0.5	[redacted]	[redacted]	Yes
NC	Warren	371859504001005	346	346	346	7.32	[redacted]	[redacted]	Yes
NC	Warren	371859504001016	103	102	102	7.0	[redacted]	[redacted]	Yes
NC	Warren	371859504002018	124	124	124	4.22	[redacted]	[redacted]	Yes
NC	Warren	371859504001027	31	31	31	3.9	[redacted]	[redacted]	Yes
NC	Warren	371859504001014	24	23	23	2.55	[redacted]	[redacted]	Yes
NC	Warren	371859504001021	6	6	6	3.14	[redacted]	[redacted]	Yes

Percentage of Total Population Reached by Service: [redacted]

Percentage of Total Road Miles covered by Service: [redacted]

FCC Form 690

Mobility Fund Phase 1 - §54.1009 Annual Reporting

Line 041: Description of documents filed with Form 481 SAC 239006

The documents filed with FCC Form 481 for SAC 239006 include:

- 239006NC310 Unfulfilled Service Requests (voice) Detail on Attempts
- 239006NC510 Service Quality Standards & Consumer Protection Rules Compliance
- 239006NC610 Functionality in Emergency Situations

FCC Form 690 Line 211: PROJECT STATUS DESCRIPTION

For both PAYMENT 2 AND PAYMENT 3

Project Description and Statement of Technical Feasibility

Winning Bid Census Tract No. T37185950400 (Warren, NC)

SAC 238049

Total Bid Amount: $483,580.75

I. Project Summary

United States Cellular Corporation ("U.S. Cellular") currently provides wireless services in North Carolina. U.S. Cellular operates a 3G/4G wireless voice and data network incorporating state-of the-art technologies including CDMA [redacted] and 4G LTE (Long Term Evolution). For this particular winning bid census tract, U.S. Cellular constructed [redacted] cell site in order to provide coverage to the unserved qualifying roads in the eligible census blocks within the winning bid census tract.

U.S. Cellular uses [redacted] 4G LTE technology to provide the required service. LTE incorporates Multiple In Multiple Out (MIMO) technology, the Orthogonal Frequency Division Multiple Access (OFDMA) air interface in the downlink and Single Carrier FDMA in the uplink. This combination provides high levels of spectral efficiency and network performance, coupled with high network capacity and low latency [redacted] 4G LTE.

Installation of the new cell site will enable U.S. Cellular to meet its public interest obligations to provide rural citizens with access to advanced telecommunications and

information technologies that are reasonably comparable to those available in urban areas. U.S. Cellular has identified areas that lack high-quality coverage, that is, dead zones where citizens have inconsistent access to wireless network signals or where coverage is insufficient to allow mobile usage without dropped calls.

Use of support from Auction 901 will permit U.S. Cellular improve and expand coverage, and to cover operating and maintenance expenses expected in remote areas that are not expected to be cash flow positive for many years, if ever. In many areas where U.S. Cellular currently serves, consumers have access to data speeds that are insufficient to stream high quality video and transmit large files without significant delay. Installation of 4G service will significantly increase data speeds, well in excess of the 4/1 throughput requirement.

This will serve the public interest by allowing consumers to make more efficient use of high speed products and services, including smart phone devices, providing access to a wide variety of software applications. In every area where coverage is improved, rural citizens will see significant public safety benefits, as access to 911, E-911 and other important communications are all facilitated by improved connectivity in a mobile environment.

II. Project Timeline

MILESTONES	START	END
1. Network Design	[redacted]	[redacted]
2. Drafting, Posting of RFPs if applicable	[redacted]	[redacted]
3. Vendor Selection	[redacted]	[redacted]
4. Contract Negotiation if applicable	[redacted]	[redacted]
5. Construction	[redacted]	[redacted]
6. Meeting requirements for $$ Installments		
a.1st disbursement - upon award, no other requirements		6/15/2013
b. 2nd disbursement -		
i. report demonstrating 50% road miles covered		[redacted]
ii. 2nd LOC or increase to initial LOC to cover disbursement amount		[redacted]
c. 3rd/final disbursement -		[redacted]
i. report demonstrating 75% road miles covered (3yrs for 4G)		[redacted]

U.S. Cellular has completed a preliminary network design, which has informed its bidding strategy. U.S. Cellular has also completed its network design and budget, based on the then-current status of its network and then-current costs associated with purchasing the necessary equipment. U.S. Cellular employs radio-frequency engineers, as well as consulting engineers, to develop a final network design plan.

U.S. Cellular has completed its construction project, and has installed equipment needed to upgrade its backhaul and network core facilities, so that all new installed network equipment is capable of providing service immediately.

Construction, installation and testing is complete and the actual date of network deployment was [redacted]. The information provided in this 690 filing for final disbursement proves that U.S. Cellular has achieved 75% or greater coverage, [redacted]

coverage. The final disbursement should be [redacted], which, with the first disbursement of [redacted] equals [redacted] of the total bid amount of $483,580.75.

III. Statement of Technical Feasibility

These network deployments and improvements are all technically feasible because they represent an extension of U.S. Cellular's existing network, which has been providing service for a number of years. The projected cost of U.S. Cellular's project plan and necessary operating and maintenance expenses exceeded the amount of Auction 901 support that it will receive, and the company invested the additional capital needed to complete the project. It has undertaken a financial analysis of the technical feasibility of meeting the FCC's coverage requirements and based on that analysis, it has determined that the combination of support and internally generated capital was sufficient.

U.S. Cellular understands that the FCC's Auction 901 funding commitment is limited to the winning bid amount, and that U.S. Cellular will be responsible for providing additional internally generated capital, if needed, to meet the Commission's coverage and service requirements.

U.S. Cellular has successfully rolled out 4G LTE service in parts of its existing network. U.S. Cellular has familiarity with the challenges of deploying 4G technology as well as established relationships with equipment and handset vendors. U.S. Cellular understands the challenges of deploying a high-speed data network in a rural area and is fully confident that the technology it has chosen is technically feasible and that it has the necessary expertise to deploy a technically capable network solution that meets the FCC's coverage and throughput requirements.

U.S. Cellular has purchased peripheral technologies such as battery back-ups and diesel generators to ensure that its new network equipment is sufficiently hardened to withstand natural and man-made disasters.

IV. Budget and Actual Spending Breakdown

Census Tract	County/State	Bid	Project Budget Total
T37185950400	**Warren, NC**	**$483,580.75**	[redacted]

The following list specifically relates the budget to the costs for the activities in the project plan. Nonetheless, the project plan associated with this Census Tract is being undertaken jointly with the project plan associated with Winning Bid Census Tract No. T37077970102 (Granville, NC). Hence, the collective projects costs have been divided equally amongst both Census Tracts.

USAC Category	Project Budget Detail	Budget - Cost to Complete	Costs Incurred as of 4/2015	Actual to Budget Percentage
Network Design	Network Design	In House	In House	N/A
Construction	[redacted]	[redacted]	[redacted]	[redacted]
Deployment	[redacted]	[redacted]	[redacted]	[redacted]
Maintenance	[redacted]	[redacted]	[redacted]	[redacted]
	Total	[redacted]	[redacted]	[redacted]