

**Frontier RDOF Kicker CASF Broadband Infrastructure Grant Application – Lompoc
Item #6 - Project Summary**

Applicant: Frontier California Inc. (U-1002-C)

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Project Title: Lompoc

Project Location: Santa Barbara County

Funding Request: CASF Funding: \$2,784,005
Level 2 Funding: \$1,460,000

PROJECT SUMMARY

Frontier California Inc. (U-1002-C) (Frontier) is applying for a Level 2 Grant from the California Advanced Services Fund (CASF) Rural Digital Opportunity Fund (RDOF) Kicker Program to deploy last mile fiber to the home (FTTH) facilities that will provide High Speed Internet (HSI) to 512 unserved households in the region of Lompoc within Santa Barbara County. Frontier refers to this proposal as the Lompoc Project (Project). The Project would allow service to last-mile customers with minimum symmetrical speeds of 50 Mbps and maximum symmetrical speeds of up to 1 Gbps using fiber optic technology. Service will also be made available through Frontier’s low-income broadband programs described in more detail below. Frontier is requesting that the California Public Utilities Commission (Commission) grant \$2,784,005 from the CASF fund and Level 2 kicker funding in the amount of \$1,460,000 for this project.

DESCRIPTION OF INFRASTRUCTURE BEING DEPLOYED (Miles of planned fiber, Central Offices used, remote terminals / fiber huts / wireless towers to be built, and if an IRU is used):

This project will place 734,775 feet of aerial and 102,706 of buried 144 fiber optic cable for FTTH in the Lompoc Wire Center. Seven FDH and 1 CO OLT will be placed at the Lompoc Central Office.

ESTIMATED BREAKDOWN OF AERIAL AND UNDERGROUND INSTALLATION:

It is estimated that this project will be approximately 88% aerial and 12% underground installation.

DESCRIPTION OF PROPOSED BROADBAND PROJECT PLAN FOR WHICH CASF FUNDING IS BEING REQUESTED, INCLUDING THE TYPE OF TECHNOLOGY TO BE PROVIDED IN THE PROPOSED SERVICE AREAS - the project description will provide enough construction detail to enable a preliminary indication of the need for a California Environmental Quality Act (CEQA) review and if proposed project areas contains any environmentally sensitive areas (i.e. when trenching is required, the applicant will state and describe the manner in which the site is to be restored, post-trenching).

Frontier will leverage all existing infrastructure within the Right of Way, including existing poles, underground system, and where Frontier currently has direct buried copper cables. There may be sections where boring and trenching is necessary when Frontier cannot leverage third party existing infrastructure. Frontier will restore, trench and bore locations back to its original state after construction is completed. Frontier does not anticipate that CEQA review will be needed for the FTTH build.

IDENTIFICATION OF THE LEVERAGING OF EXISTING AVAILABLE FACILITIES (i.e. interconnection in lieu of overbuilding existing facilities of another provider):

Frontier will connect existing middle-mile facilities where applicable, such as main router, Packet Optical, and router locations. This application is FTTH, and therefore, Frontier cannot leverage existing copper networks as they are two different technologies.

INFORMATION ABOUT PROJECTS TO SERVE NEARBY CASF-ONLY ELIGIBLE HOUSEHOLDS:

The nearby CASF-only eligible households will be upgraded to enable Internet speeds up to 1G/1G. These households are in and adjoining unserved areas. CASF funding based on the rural community’s critical broadband needs, including their educational and economic digital divide. This project also provides safety benefits to the community including, but not limited to, robust bandwidth in the event of wildfire, winter storms and earthquakes as well as improved access to e-health services.

FUNDING

To receive a Level 2 award, a project must qualify to receive Level 1 support and satisfy additional Level 2 criteria. Projects receiving Level 2 awards will be provided up to an additional 10% of the RDOF reserve price in kicker funding for eligible census blocks, yielding a total of up to 20% kicker funding for the Level 1 and Level 2 awards combined. Frontier maintains that this project qualifies under Level 2 eligibility requirements:

- Level 2 eligibility requirements:
 - ✓ Qualification for Level 1 support
- Level 2 Provider Participation Requirements:
 - ✓ Level 1 Participation Requirements
 - ✓ Provision of low-income or affordable broadband plans for low-income consumers served by RDOF-funded infrastructure, for the 10-year duration of RDOF funding*
 - ✓ One or both of the following:
 - Offering Indefeasible Rights of Use at no cost for fibers for California Tribes located within 40-miles of RDOF funded last-mile or middle-mile routes
 - Designation as a Carrier of Last Resort (COLR) in the service provider’s RDOF-funded areas

* *Low-Income Plans:* Frontier features a choice of two low-income programs for customers: Frontier Fundamental and Frontier Affordable Broadband. The Frontier Affordable Broadband product requires that customers enrolled in Lifeline telephone service. Alternatively, the Frontier Fundamental product is a stand-alone low-income broadband program that does not require a customer to purchase telephone service. Both products will provide minimum symmetrical speeds of 50 Mbps in fiber areas.

Number of Locations by Census Block

Census Block	Adjacent	Kicker	RDOF ONLY	Grand Total
60830019011290		13		13
60830019011300		1		1
60830019011301		22		22

Census Block	Adjacent	Kicker	RDOF ONLY	Grand Total
60830019011302	2			2
60830019011316	3			3
60830019011317		3		3
60830019011322		28		28
60830019011324		3		3
60830028023006	52			52
60830028091021		26		26
60830028091022		5		5
60830028091034		7		7
60830028091043		1		1
60830028091044		9		9
60830028091047		10		10
60830028091049		5		5
60830028091050		25		25
60830028091052		1		1
60830028091056			77	77
60830028091057		10		10
60830031021002		1		1
60830031021023		7		7
60830031021024	3			3
60830031021025	1			1
60830031021045	1			1
60830031021049		19		19
60830031021050	2			2
60830031021052		15		15
60830031021063	1			1
60830031021066		20		20
60830031021079	1			1
60830031021085	1			1
60830031021092		7		7
60830031021097	1			1
60830031021110		1		1
60830031021111	1			1
60830031021112		8		8
60830031021115		1		1
60830031021116		3		3
60830031021117		5		5
60830031021136	2			2
60830031021137		5		5
60830031021140	1			1
60830031021143		1		1
60830031021144	4			4

Census Block	Adjacent	Kicker	RDOF ONLY	Grand Total
60830031021145	1			1
60830031021147	1			1
60830031021149	1			1
60830031021150	3			3
60830031021151		6		6
60830031021152	1			1
60830031021154		1		1
60830031021163		5		5
60830031021165	1			1
60830031021168		1		1
60830031021170		5		5
60830031021175		2		2
60830031021182		16		16
60830031021196	3			3
60830031021199	5			5
60830031021222		8		8
60830031021230	1			1
60830031021231		9		9
60830031021326		9		9
60830031021332		1		1
60830031021341		11		11
60830031021342	6			6
Grand Total	99	336	77	512

Lompoc Area Map

