

Chapter 3. Project Route Description

INTRODUCTION

A description of the Williams’ Riverside to San Diego project route, along with summaries of the proposed construction methods, the types of rights-of-way to be used, and mileage of fiber optic cable for the project route is presented in this chapter. More detail on the construction methods is provided in Chapter 2, “Project Description”. Environmental setting information is provided in Chapter 4, “Environmental Settings”.

The project is to construct, operate, and maintain a fiber optic cable system from Riverside to San Diego, California. The fiber optic cable system will be installed in Riverside and San Diego Counties and in the following cities:

- | | |
|-------------|-------------|
| # Riverside | # Escondido |
| # Perris | # San Diego |
| # Temecula | |

PROJECT ROUTE DESCRIPTION

The northern terminus of the project route is located at 1550 Marlborough Avenue, Suite J1, in Riverside, and the southern terminus is located at 8991 Complex Drive in San Diego. The project route follows disturbed road rights-of-way for 80.9 miles of local and county roads and 29.7 miles of state highways. The total project route will cross 110.6 miles of road rights-of-way. A detailed description of the project route is presented in **Table 3-1**, and the project route is shown on **Figure 3-1**.

Table 3-1. Right-of-Way Miles and Construction Methods for the Riverside to San Diego Project Route

Route Segment	Right-of-Way Miles		Construction Methods		
	Local Roads	State Highways	Trench	Bore	Bridge Attachment and/or Utility Cell
Riverside County					
Terminus - Marlborough Avenue	0.3		/	/	
Iowa Avenue	2.0		/	/	/
Martin Luther King Boulevard	0.5		/	/	
Canyon Crest Drive	3.1		/	/	
Alessandro Boulevard	0.7		/	/	
Trautwein Road	1.0		/	/	
John F. Kennedy Drive	0.4		/	/	
Wood Road	4.2		/	/	

Table 3-1. Right-of-Way Miles and Construction Methods for the Riverside to San Diego Project Route

Route Segment	Right-of-Way Miles		Construction Methods		
	Local Roads	State Highways	Trench	Bore	Bridge Attachment and/or Utility Cell
Cajalco Road	2.5		/	/	
Clark Road	1.0		/	/	
Old Elsinore Road	2.6		/	/	
San Jacinto Avenue	1.0		/	/	
Navajo Road	1.0		/	/	
Fourth Street		0.5	/	/	
A Street	0.5		/	/	
Eleventh Street	0.5		/	/	
Case Road	1.4		/	/	
Murrieta Road	8.4		/	/	
Scott Road	5.1		/	/	/
Leon Road	3.0		/	/	
Winchester Road (State Route [SR] 79)		5.8	/	/	
Ynez Road	3.5		/	/	
La Paz Street	0.3		/	/	
SR 79		0.4	/	/	
Pala Road	0.2		/	/	
Rainbow Canyon Road	3.2		/	/	
Subtotal	46.4	6.7			
San Diego County					
SR 395 ¹		23	/	/	/
A Fiber Route (of)					
Del Dios Road	10		/	/	
Paseo Delicias	1.5		/	/	
Via De La Valle	4.0		/	/	
El Camino Real	4.5		/	/	/
Carmel Mountain Road	0.6		/	/	
Sorrento Valley Road	2.7		/	/	

¹At SR 395, north of Escondido, B Fiber leaves A Fiber route shown below.

Table 3-1. Right-of-Way Miles and Construction Methods for the Riverside to San Diego Project Route

Route Segment	Right-of-Way Miles		Construction Methods		
	Local Roads	State Highways	Trench	Bore	Bridge Attachment and/or Utility Cell
Mira Mesa Boulevard	0.5		/	/	
Scranton Road	0.3		/	/	
Carrol Canyon Road	3.5		/	/	
Miramar Road	2.5		/	/	
B Fiber Route					
SR 395 - B Fiber		2.0	/	/	
Felicita Avenue - B Fiber	0.5		/	/	
South Juniper Street - B Fiber	0.6		/	/	
Sunset Drive - B Fiber	0.4		/	/	
Bear Valley Parkway - B Fiber	2.0		/	/	
Sunset Drive - B Fiber	0.3		/	/	
Escondido Freeway (I-15)- B Fiber		0.7			/
Pomerado Road - B Fiber	3.8		/	/	
Bernardo Heights Parkway - B Fiber	0.4		/	/	
Paseo Lucido - B Fiber	0.9		/	/	
Carmel Mountain Road - B Fiber	1.0		/	/	
Rancho Carmel Drive - B Fiber	1.0		/	/	
Sabre Springs Parkway - B Fiber	1.3		/	/	
Poway Road - B Fiber	0.3		/	/	
Frontage Road - B Fiber	0.8		/	/	
Mercy Road - B Fiber	1.5		/	/	
Black Mountain Road - B Fiber	3.3		/	/	
B Fiber Rejoins A Fiber At Kearney Villa Road					
Kearney Villa Road	3.0		/	/	
Ruffin Road	0.8		/	/	/
Claremont Mesa Boulevard	0.5		/	/	
Terminus - Complex Drive	0.1		/	/	
Subtotal	34.5	23			
Total	80.9	32.4			

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Route Segment	Right-of-Way Miles		Construction Methods		
	Local Roads	State Highways	Trench	Bore	Bridge Attachment and/or Utility Cell
GRAND TOTAL 110.6					

The Riverside to San Diego project consists of two fiber optic cable systems, an "A" and "B" fiber, installed at a minimum of 25 feet apart within state, county, and city road rights-of-way for the length of the project route. The two cable systems will be installed to provide diversity in the network and ensure service will not be interrupted in case of cable break. The "B" fiber will leave the corridor shared by the "A" fiber north of Escondido, remaining within existing road rights-of-way before it reenters the corridor shared by the "A" fiber at Kearney Villa Road, as depicted on Figure 3-1 and in Table 3-1.

From the northern terminus in Riverside County, the fiber optic cable will follow Marlborough Avenue for 0.3 mile to the intersection with Iowa Avenue and will follow Iowa Avenue south for 2.0 miles to Martin Luther King Boulevard. The project route will follow Martin Luther King Boulevard east for 0.5 mile to the intersection with Canyon Crest Drive and will follow Canyon Crest Drive south for 3.1 miles to the intersection with Alessandro Boulevard. The project route will turn southeasterly along Alessandro Boulevard for 0.7 mile to Trautwein Road and follow Trautwein Road 1.0 mile to the intersection with John F. Kennedy Drive. The project route will follow John F. Kennedy Drive for 0.4 mile to the intersection with Wood Road and will follow Wood Road south for 4.2 miles to the intersection with Cajalco Road. The project route will follow Cajalco Road east for 2.5 miles to the intersection with Clark Road and will follow Clark Road south 1.0 mile to the intersection with Old Elsinore Road. The project route will follow Old Elsinore Road south for 2.6 miles to the intersection with San Jacinto Avenue and will follow San Jacinto Avenue east for 1.0 mile to the intersection with Navajo Road. The project route will follow Navajo Road 1.0 mile to the intersection with Fourth Street and will follow Fourth Street 0.5 mile to the intersection with A Street. The project route will follow A Street 0.5 mile south to the intersection with Eleventh Street and will follow Eleventh Street for 0.5 mile east to the intersection with Case Road. The project route will follow Case Road southeast for 1.4 miles to the intersection with Murrieta Road and will follow Murrieta Road for 8.4 miles south to the intersection with Scott Road. The project route will turn east along Scott Road for 5.1 miles to the intersection with Leon Road and will follow Leon Road south for 3.0 miles to the intersection with Winchester Road. The project route will follow Winchester Road southwest for 5.8 miles to the intersection with Ynez Road and will follow Ynez Road for 3.5 miles southeast to the intersection with La Paz Street. The project route will follow La Paz Street southwest for 0.3 mile to SR 79 and will follow State Route (SR) 79 southeast for 0.4 mile to the intersection with Pala Road. The project route will follow Pala Road 0.2 mile to the intersection with Rainbow Canyon Road and will follow Rainbow Canyon Road south for 3.2 miles to the Riverside/San Diego County line and the intersection with SR 395.

In San Diego County, the project route will follow SR 395 from the county line south for 23 miles to the intersection with Del Dios Road and will follow Del Dios Road southwest for 10 miles to the intersection with Paseo Delicias. The project route will follow Paseo Delicias for 1.5 miles to the intersection with Via De La Valle and will follow Via De La Valle for 4.0 miles to the intersection with El Camino Real. The project route will follow El Camino Real southwest for 4.5 miles to the intersection with Carmel Mountain Road and will follow Carmel Mountain Road 0.6 mile to the intersection with Sorrento Valley Road. The project route will turn southeast along Sorrento Valley Road for 2.7 miles to the intersection with Mira Mesa Boulevard and

will follow Mira Mesa Boulevard east for 0.5 mile to the intersection with Scranton Road. The project route will follow Scranton Road east for 0.3 mile to the intersection with Carrol Canyon Road. The project route will follow Carrol Canyon Road southeast for 3.5 miles to the intersection with Miramar Road and will follow Miramar Road northeast for 2.5 miles to the intersection with Kearney Villa Road. The B fiber follows Black Mountain Road, which becomes Kearney Villa Road, south for 3.3 miles to the intersection of Miramar Road and Kearney Villa Road where it rejoins the project route. The project route, from the intersection of Miramar Road and Kearney Villa Road, will follow Kearney Villa Road south for 3.0 miles to the intersection with Ruffin Road and will follow Ruffin Road 0.8 mile to the intersection with Claremont Mesa Boulevard. The project route will follow Claremont Mesa Boulevard 0.5 mile west to the intersection with Complex Drive. The project route will follow Complex Drive south for 0.1 mile to the southern terminus in San Diego County.

The B fiber will follow SR 395 south for 2.0 miles beyond Del Dios Road to the intersection with Felicita Avenue and will follow Felicita Avenue northwest for 0.5 mile to the intersection with South Jupiter Street. The B fiber will follow South Jupiter Street south 0.6 mile to the intersection with Sunset Drive and will follow Sunset Drive southwest for 0.4 mile to the intersection with Bear Valley Parkway. The B fiber will follow Bear Valley Parkway 2.0 miles south to the intersection with Sunset Drive and will follow Sunset Drive 0.3 mile to the intersection with Escondido Freeway (I-15). The B fiber will follow I-15 for 0.7 mile in a utility cell within the bridge crossing over Lake Hodges to the southern end and the intersection with Pomerado Road. The B fiber will follow Pomerado Road 3.8 miles south to the intersection with Bernardo Heights Parkway and will follow Bernardo Heights Parkway west for 0.4 mile to the intersection with Paseo Lucido. The B fiber will follow Paseo Lucido 0.9 mile to the intersection with Carmel Mountain Road and will follow Carmel Mountain Road southeast for 1.0 mile to the intersection with Rancho Carmel Road. The B fiber will follow Rancho Carmel Road 1.0 mile to the intersection with Sabre Springs Parkway and will follow Sabre Springs Parkway 1.3 mile to the intersection with Poway Road. The B fiber will follow Poway Road 0.3 mile to the intersection with the frontage road along I-15 and will follow the frontage road for 0.8 mile to the intersection with Mercy Road. The B fiber will follow Mercy Road 1.5 miles to the intersection with Black Mountain Road. The B fiber will follow Black Mountain Road, which becomes Kearney Villa Road, south for 3.3 miles to the intersection of Miramar Road and Kearney Villa Road where it rejoins the project route to the southern terminus at Complex Drive.

The project route will pass through urban settings along approximately 20% of the route and will pass through rural settings along the remaining 80% of the route.

Proposed OP-AMP Station Locations

The two optical-amplification (OP-AMP) sites for the project route, Lindenberger and Mesa Rock, are located in Riverside and San Diego Counties, respectively, and are on private property outside existing road rights-of-way (**Figure 3-2**). The Lindenberger OP-AMP site is located on Scott Road between Lindenberger Road and Audubon Drive and is in a rural section of the county. The site has previously been used for residential and agricultural uses and is currently vacant with no standing structures. The Mesa Rock OP-AMP site is located at North Centre City Parkway and Mesa Rock Road and is also in a rural section of the county. There is incomplete information on prior use of the property and it is currently vacant with no standing structures.

The Lindenberger OP-AMP site is approximately 18.5 acres and is zoned for residential uses. The site is accessible from Scott Road and will connect to services that exist along Scott Road. The Mesa Rock

OP-AMP site is approximately 2.8 acres and is zoned for residential uses. The site is accessible from Mesa Rock Road and will connect to services that exist along Mesa Rock Road.

