

## 93-162 WORKPAPERS

## ENTRANCE FACILITY INSTALLATION FUNCTION

**Cost Including Overhead**

Non-Recurring

RATE ELEMENT NAME: Cable Placement/Removal

**CENTRAL OFFICE: SCRM02 3524 Marconi Ave., Sacramento**

DESCRIPTION	LABOR RATE /UNIT (Fully Assigned)	# OF UNITS	TOTAL COST (A * B)
<b>Engineering per Placement/Removal</b>			
1 Outside Plant Engineer	\$100.31 /Hour	1	\$100.31
2 TIES Engineer	\$109.39 /Hour	2	\$218.78
3 Facility Equipment Engineer	\$114.34 /Hour	4	\$457.36
4 Engineering Aide	\$87.81 /Hour	2	\$175.62
5 <b>Subtotal</b>			<b>\$952.07</b>
<b>Vertical Placement/Removal per Floor</b>			
6 1st OSP Technician	\$79.74 /Hour	2	\$159.48
7 2nd OSP Technician	\$79.74 /Hour	2	\$159.48
8 Cost per Floor (Ln 6 + Ln 7)			\$318.96
9 Collocation Floor		2	
10 <b>Subtotal(Ln 8 * Ln 9)</b>			<b>\$637.92</b>
<b>Horizontal Placement/Removal per 50 Foot Increment</b>			
11 1st OSP Technician-Set Up	\$79.74 /Hour	0.5	\$39.87
12 2nd OSP Technician-Set Up	\$79.74 /Hour	0.5	\$39.87
13 Total Set Up (Ln 11 + Ln 12)			\$79.74
14 1st OSP Tech-Each 50 Ft	\$79.74 /Hour	0.5	\$39.87
15 2nd OSP Tech-Each 50 Ft	\$79.74 /Hour	0.5	\$39.87
16 Cost per 50 Ft (Ln 14 + Ln 15)			\$79.74
17 Number of 50 Ft Increments		1	
18 Cost of Horizontal Pull Excluding Set Up (Ln 16 * Ln 17)			\$79.74
19 <b>Subtotal(Ln 13 + Ln 18)</b>			<b>\$159.48</b>
20 <b>Total Entrance Facility Installation Cost, Including Overheads</b> (Lns 5+10+19)			<b>\$1,749.47</b>
21 <b>Total Entrance Facility Installation Cost, Direct</b> (See Pages 55 - 106 for each C.O.)			<b>\$1,457.49</b>
22 Rate			\$1,749
23 RATIO: Rate/Direct Cost			1.20

**Sources**

See Narrative

A. 28

NOTE: Totals may not add due to rounding.

## 93-162 WORKPAPERS

## ENTRANCE FACILITY INSTALLATION FUNCTION

**Cost Including Overhead**

Non-Recurring

RATE ELEMENT NAME: Cable Placement/Removal

**CENTRAL OFFICE: SCRM03 3809 Florin Rd., Sacramento**

DESCRIPTION	LABOR RATE /UNIT (Fully Assigned)	# OF UNITS	TOTAL COST (A * B)
<b>Engineering per Placement/Removal</b>			
1 Outside Plant Engineer	\$100.31 /Hour	1	\$100.31
2 TIES Engineer	\$109.39 /Hour	2	\$218.78
3 Facility Equipment Engineer	\$114.34 /Hour	4	\$457.36
4 Engineering Aide	\$87.81 /Hour	2	\$175.62
5 <b>Subtotal</b>			<b>\$952.07</b>
<b>Vertical Placement/Removal per Floor</b>			
6 1st OSP Technician	\$79.74 /Hour	2	\$159.48
7 2nd OSP Technician	\$79.74 /Hour	2	\$159.48
8 Cost per Floor (Ln 6 + Ln 7)			\$318.96
9 Collocation Floor		1	
10 <b>Subtotal(Ln 8 * Ln 9)</b>			<b>\$318.96</b>
<b>Horizontal Placement/Removal per 50 Foot Increment</b>			
11 1st OSP Technician-Set Up	\$79.74 /Hour	0.5	\$39.87
12 2nd OSP Technician-Set Up	\$79.74 /Hour	0.5	\$39.87
13 Total Set Up (Ln 11 + Ln 12)			\$79.74
14 1st OSP Tech-Each 50 Ft	\$79.74 /Hour	0.5	\$39.87
15 2nd OSP Tech-Each 50 Ft	\$79.74 /Hour	0.5	\$39.87
16 Cost per 50 Ft (Ln 14 + Ln 15)			\$79.74
17 Number of 50 Ft Increments		2	
18 Cost of Horizontal Pull Excluding Set Up (Ln 16 * Ln 17)			\$159.48
19 <b>Subtotal(Ln 13 + Ln 18)</b>			<b>\$239.22</b>
20 <b>Total Entrance Facility Installation Cost, Including Overheads</b> (Lns 5+10+19)			<b>\$1,510.25</b>
21 <b>Total Entrance Facility Installation Cost, Direct</b> (See Pages 55 - 106 for each C.O.))			<b>\$1,262.67</b>
22 Rate			<b>\$1,510</b>
23 RATIO: Rate/Direct Cost			<b>1.20</b>

**Sources**

See Narrative

A. 29

NOTE: Totals may not add due to rounding.

ENTRANCE FACILITY INSTALLATION FUNCTION

**Cost Including Overhead**

Non-Recurring

RATE ELEMENT NAME: Cable Placement/Removal

**CENTRAL OFFICE: SCRM11 2216 Stockton Blvd., Sacramento**

DESCRIPTION	LABOR RATE /UNIT (Fully Assigned)	# OF UNITS	TOTAL COST (A * B)
<b>Engineering per Placement/Removal</b>			
1 Outside Plant Engineer	\$100.31 /Hour	1	\$100.31
2 TIES Engineer	\$109.39 /Hour	2	\$218.78
3 Facility Equipment Engineer	\$114.34 /Hour	4	\$457.36
4 Engineering Aide	\$87.81 /Hour	2	\$175.62
5 <b>Subtotal</b>			\$952.07
<b>Vertical Placement/Removal per Floor</b>			
6 1st OSP Technician	\$79.74 /Hour	2	\$159.48
7 2nd OSP Technician	\$79.74 /Hour	2	\$159.48
8 Cost per Floor (Ln 6 + Ln 7)			\$318.96
9 Collocation Floor		1	
10 <b>Subtotal(Ln 8 * Ln 9)</b>			\$318.96
<b>Horizontal Placement/Removal per 50 Foot Increment</b>			
11 1st OSP Technician-Set Up	\$79.74 /Hour	0.5	\$39.87
12 2nd OSP Technician-Set Up	\$79.74 /Hour	0.5	\$39.87
13 Total Set Up (Ln 11 + Ln 12)			\$79.74
14 1st OSP Tech-Each 50 Ft	\$79.74 /Hour	0.5	\$39.87
15 2nd OSP Tech-Each 50 Ft	\$79.74 /Hour	0.5	\$39.87
16 Cost per 50 Ft (Ln 14 + Ln 15)			\$79.74
17 Number of 50 Ft Increments		2	
18 Cost of Horizontal Pull Excluding Set Up (Ln 16 * Ln 17)			\$159.48
19 <b>Subtotal(Ln 13 + Ln 18)</b>			\$239.22
20 <b>Total Entrance Facility Installation Cost, Including Overheads</b> (Lns 5+10+19)			\$1,510.25
21 <b>Total Entrance Facility Installation Cost, Direct</b> (See Pages 55 - 106 for each C.O.))			\$1,262.67
22 Rate			\$1,510
23 <b>RATIO: Rate/Direct Cost</b>			1.20

**Sources**

See Narrative

A. 30

NOTE: Totals may not add due to rounding.

## ENTRANCE FACILITY INSTALLATION FUNCTION

**Cost Including Overhead**

Non-Recurring

RATE ELEMENT NAME: Cable Placement/Removal

**CENTRAL OFFICE: SHOK01-04 4480 Kester Ave., Sherman Oaks**

DESCRIPTION	LABOR RATE /UNIT (Fully Assigned)	# OF UNITS	TOTAL COST (A * B)
<b>Engineering per Placement/Removal</b>			
1 Outside Plant Engineer	\$100.31 /Hour	1	\$100.31
2 TIES Engineer	\$109.39 /Hour	2	\$218.78
3 Facility Equipment Engineer	\$114.34 /Hour	4	\$457.36
4 Engineering Aide	\$87.81 /Hour	2	\$175.62
5 <b>Subtotal</b>			<b>\$952.07</b>
<b>Vertical Placement/Removal per Floor</b>			
6 1st OSP Technician	\$79.74 /Hour	2	\$159.48
7 2nd OSP Technician	\$79.74 /Hour	2	\$159.48
8 Cost per Floor (Ln 6 + Ln 7)			\$318.96
9 Collocation Floor		1	
10 <b>Subtotal(Ln 8 * Ln 9)</b>			<b>\$318.96</b>
<b>Horizontal Placement/Removal per 50 Foot Increment</b>			
11 1st OSP Technician-Set Up	\$79.74 /Hour	0.5	\$39.87
12 2nd OSP Technician-Set Up	\$79.74 /Hour	0.5	\$39.87
13 Total Set Up (Ln 11 + Ln 12)			\$79.74
14 1st OSP Tech-Each 50 Ft	\$79.74 /Hour	0.5	\$39.87
15 2nd OSP Tech-Each 50 Ft	\$79.74 /Hour	0.5	\$39.87
16 Cost per 50 Ft (Ln 14 + Ln 15)			\$79.74
17 Number of 50 Ft Increments		1	
18 Cost of Horizontal Pull Excluding Set Up (Ln 16 * Ln 17)			\$79.74
19 <b>Subtotal(Ln 13 + Ln 18)</b>			<b>\$159.48</b>
20 <b>Total Entrance Facility Installation Cost, Including Overheads</b> (Lns 5+10+19)			<b>\$1,430.51</b>
21 <b>Total Entrance Facility Installation Cost, Direct</b> (See Pages 55 - 106 for each C.O.)			<b>\$1,197.73</b>
22 Rate			\$1,431
23 <b>RATIO: Rate/Direct Cost</b>			<b>1.19</b>

**Sources**

See Narrative

A. 31

NOTE: Totals may not add due to rounding.

93-162 WORKPAPERS

ENTRANCE FACILITY INSTALLATION FUNCTION

**Cost Including Overhead**

Non-Recurring

RATE ELEMENT NAME: Cable Placement/Removal

**CENTRAL OFFICE: SLNS01 340 Pajaro St., Salinas**

DESCRIPTION	LABOR RATE /UNIT (Fully Assigned)	# OF UNITS	TOTAL COST (A * B)
<b>Engineering per Placement/Removal</b>			
1 Outside Plant Engineer	\$100.31 /Hour	1	\$100.31
2 TIES Engineer	\$109.39 /Hour	2	\$218.78
3 Facility Equipment Engineer	\$114.34 /Hour	4	\$457.36
4 Engineering Aide	\$87.81 /Hour	2	\$175.62
5 <b>Subtotal</b>			<b>\$952.07</b>
<b>Vertical Placement/Removal per Floor</b>			
6 1st OSP Technician	\$79.74 /Hour	2	\$159.48
7 2nd OSP Technician	\$79.74 /Hour	2	\$159.48
8 Cost per Floor (Ln 6 + Ln 7)			\$318.96
9 Collocation Floor		0	
10 <b>Subtotal(Ln 8 * Ln 9)</b>			<b>\$0.00</b>
<b>Horizontal Placement/Removal per 50 Foot Increment</b>			
11 1st OSP Technician-Set Up	\$79.74 /Hour	0.5	\$39.87
12 2nd OSP Technician-Set Up	\$79.74 /Hour	0.5	\$39.87
13 Total Set Up (Ln 11 + Ln 12)			\$79.74
14 1st OSP Tech-Each 50 Ft	\$79.74 /Hour	0.5	\$39.87
15 2nd OSP Tech-Each 50 Ft	\$79.74 /Hour	0.5	\$39.87
16 Cost per 50 Ft (Ln 14 + Ln 15)			\$79.74
17 Number of 50 Ft Increments		1	
18 Cost of Horizontal Pull Excluding Set Up (Ln 16 * Ln 17)			\$79.74
19 <b>Subtotal(Ln 13 + Ln 18)</b>			<b>\$159.48</b>
20 <b>Total Entrance Facility Installation Cost, Including Overheads</b> (Lns 5+10+19)			<b>\$1,111.55</b>
21 <b>Total Entrance Facility Installation Cost, Direct</b> (See Pages 55 - 106 for each C.O.))			<b>\$937.97</b>
22 Rate			\$1,112
23 RATIO: Rate/Direct Cost			1.19

**Sources**

See Narrative

A. 32

NOTE: Totals may not add due to rounding.

ENTRANCE FACILITY INSTALLATION FUNCTION

**Cost Including Overhead**

Non-Recurring

RATE ELEMENT NAME: Cable Placement/Removal

**CENTRAL OFFICE: SNAN01 507 N. Bush, Santa Ana**

DESCRIPTION	LABOR RATE /UNIT (Fully Assigned)	# OF UNITS	TOTAL COST (A * B)
<b>Engineering per Placement/Removal</b>			
1 Outside Plant Engineer	\$100.31 /Hour	1	\$100.31
2 TIES Engineer	\$109.39 /Hour	2	\$218.78
3 Facility Equipment Engineer	\$114.34 /Hour	4	\$457.36
4 Engineering Aide	\$87.81 /Hour	2	\$175.62
5 <b>Subtotal</b>			<b>\$952.07</b>
<b>Vertical Placement/Removal per Floor</b>			
6 1st OSP Technician	\$79.74 /Hour	2	\$159.48
7 2nd OSP Technician	\$79.74 /Hour	2	\$159.48
8 Cost per Floor (Ln 6 + Ln 7)			\$318.96
9 Collocation Floor		3	
10 <b>Subtotal(Ln 8 * Ln 9)</b>			<b>\$956.88</b>
<b>Horizontal Placement/Removal per 50 Foot Increment</b>			
11 1st OSP Technician-Set Up	\$79.74 /Hour	0.5	\$39.87
12 2nd OSP Technician-Set Up	\$79.74 /Hour	0.5	\$39.87
13 Total Set Up (Ln 11 + Ln 12)			\$79.74
14 1st OSP Tech-Each 50 Ft	\$79.74 /Hour	0.5	\$39.87
15 2nd OSP Tech-Each 50 Ft	\$79.74 /Hour	0.5	\$39.87
16 Cost per 50 Ft (Ln 14 + Ln 15)			\$79.74
17 Number of 50 Ft Increments		4	
18 Cost of Horizontal Pull Excluding Set Up (Ln 16 * Ln 17)			\$318.96
19 <b>Subtotal(Ln 13 + Ln 18)</b>			<b>\$398.70</b>
20 <b>Total Entrance Facility Installation Cost, Including Overheads</b> (Lns 5+10+19)			<b>\$2,307.65</b>
21 <b>Total Entrance Facility Installation Cost, Direct</b> (See Pages 55 - 106 for each C.O.)			<b>\$1,912.07</b>
22 Rate			<b>\$2,308</b>
23 <b>RATIO: Rate/Direct Cost</b>			<b>1.21</b>

**Sources**

See Narrative

NOTE: Totals may not add due to rounding.

93-162 WORKPAPERS

ENTRANCE FACILITY INSTALLATION FUNCTION

**Cost Including Overhead**

Non-Recurring

RATE ELEMENT NAME: Cable Placement/Removal

<b>CENTRAL OFFICE: SNAN11 3220 Bristol St., Santa Ana</b>			
DESCRIPTION	LABOR RATE /UNIT (Fully Assigned)	# OF UNITS	TOTAL COST (A * B)
<b>Engineering per Placement/Removal</b>			
1 Outside Plant Engineer	\$100.31 /Hour	1	\$100.31
2 TIES Engineer	\$109.39 /Hour	2	\$218.78
3 Facility Equipment Engineer	\$114.34 /Hour	4	\$457.36
4 Engineering Aide	\$87.81 /Hour	2	\$175.62
5 <b>Subtotal</b>			<b>\$952.07</b>
<b>Vertical Placement/Removal per Floor</b>			
6 1st OSP Technician	\$79.74 /Hour	2	\$159.48
7 2nd OSP Technician	\$79.74 /Hour	2	\$159.48
8 Cost per Floor (Ln 6 + Ln 7)			\$318.96
9 Collocation Floor		1	
10 <b>Subtotal(Ln 8 * Ln 9)</b>			<b>\$318.96</b>
<b>Horizontal Placement/Removal per 50 Foot Increment</b>			
11 1st OSP Technician-Set Up	\$79.74 /Hour	0.5	\$39.87
12 2nd OSP Technician-Set Up	\$79.74 /Hour	0.5	\$39.87
13 Total Set Up (Ln 11 + Ln 12)			\$79.74
14 1st OSP Tech-Each 50 Ft	\$79.74 /Hour	0.5	\$39.87
15 2nd OSP Tech-Each 50 Ft	\$79.74 /Hour	0.5	\$39.87
16 Cost per 50 Ft (Ln 14 + Ln 15)			\$79.74
17 Number of 50 Ft Increments		2	
18 Cost of Horizontal Pull Excluding Set Up (Ln 16 * Ln 17)			\$159.48
19 <b>Subtotal(Ln 13 + Ln 18)</b>			<b>\$239.22</b>
20 <b>Total Entrance Facility Installation Cost, Including Overheads</b> (Lns 5+10+19)			<b>\$1,510.25</b>
21 <b>Total Entrance Facility Installation Cost, Direct</b> (See Pages 55 - 106 for each C.O.)			<b>\$1,262.67</b>
22 Rate			\$1,510
23 RATIO: Rate/Direct Cost			1.20

**Sources**

See Narrative

A. 34

NOTE: Totals may not add due to rounding.

93-162 WORKPAPERS

ENTRANCE FACILITY INSTALLATION FUNCTION

**Cost Including Overhead**

Non-Recurring

RATE ELEMENT NAME: Cable Placement/Removal

**CENTRAL OFFICE: SNDG01 1125 Ninth, San Diego**

DESCRIPTION	LABOR RATE /UNIT (Fully Assigned)	# OF UNITS	TOTAL COST (A * B)
<b>Engineering per Placement/Removal</b>			
1 Outside Plant Engineer	\$100.31 /Hour	1	\$100.31
2 TIES Engineer	\$109.39 /Hour	2	\$218.78
3 Facility Equipment Engineer	\$114.34 /Hour	4	\$457.36
4 Engineering Aide	\$87.81 /Hour	2	\$175.62
5 <b>Subtotal</b>			<b>\$952.07</b>
<b>Vertical Placement/Removal per Floor</b>			
6 1st OSP Technician	\$79.74 /Hour	2	\$159.48
7 2nd OSP Technician	\$79.74 /Hour	2	\$159.48
8 Cost per Floor (Ln 6 + Ln 7)			\$318.96
9 Collocation Floor		1	
10 <b>Subtotal(Ln 8 * Ln 9)</b>			<b>\$318.96</b>
<b>Horizontal Placement/Removal per 50 Foot Increment</b>			
11 1st OSP Technician-Set Up	\$79.74 /Hour	0.5	\$39.87
12 2nd OSP Technician-Set Up	\$79.74 /Hour	0.5	\$39.87
13 Total Set Up (Ln 11 + Ln 12)			\$79.74
14 1st OSP Tech-Each 50 Ft	\$79.74 /Hour	0.5	\$39.87
15 2nd OSP Tech-Each 50 Ft	\$79.74 /Hour	0.5	\$39.87
16 Cost per 50 Ft (Ln 14 + Ln 15)			\$79.74
17 Number of 50 Ft Increments		2	
18 Cost of Horizontal Pull Excluding Set Up (Ln 16 * Ln 17)			\$159.48
19 <b>Subtotal(Ln 13 + Ln 18)</b>			<b>\$239.22</b>
20 <b>Total Entrance Facility Installation Cost, Including Overheads</b> (Lns 5+10+19)			<b>\$1,510.25</b>
21 <b>Total Entrance Facility Installation Cost, Direct</b> (See Pages 55 - 106 for each C.O.)			<b>\$1,262.67</b>
22 Rate			\$1,510
23 RATIO: Rate/Direct Cost			1.20

**Sources**

See Narrative

A. 35

NOTE: Totals may not add due to rounding.

93-162 WORKPAPERS

ENTRANCE FACILITY INSTALLATION FUNCTION

**Cost Including Overhead**

Non-Recurring

RATE ELEMENT NAME: Cable Placement/Removal

**CENTRAL OFFICE: SNDG02 650 Robinson Ave., San Diego**

DESCRIPTION	LABOR RATE /UNIT (Fully Assigned)	# OF UNITS	TOTAL COST (A * B)
<b>Engineering per Placement/Removal</b>			
1 Outside Plant Engineer	\$100.31 /Hour	1	\$100.31
2 TIES Engineer	\$109.39 /Hour	2	\$218.78
3 Facility Equipment Engineer	\$114.34 /Hour	4	\$457.36
4 Engineering Aide	\$87.81 /Hour	2	\$175.62
5 <b>Subtotal</b>			<b>\$952.07</b>
<b>Vertical Placement/Removal per Floor</b>			
6 1st OSP Technician	\$79.74 /Hour	2	\$159.48
7 2nd OSP Technician	\$79.74 /Hour	2	\$159.48
8 Cost per Floor (Ln 6 + Ln 7)			\$318.96
9 Collocation Floor		1	
10 <b>Subtotal(Ln 8 * Ln 9)</b>			<b>\$318.96</b>
<b>Horizontal Placement/Removal per 50 Foot Increment</b>			
11 1st OSP Technician-Set Up	\$79.74 /Hour	0.5	\$39.87
12 2nd OSP Technician-Set Up	\$79.74 /Hour	0.5	\$39.87
13 Total Set Up (Ln 11 + Ln 12)			\$79.74
14 1st OSP Tech-Each 50 Ft	\$79.74 /Hour	0.5	\$39.87
15 2nd OSP Tech-Each 50 Ft	\$79.74 /Hour	0.5	\$39.87
16 Cost per 50 Ft (Ln 14 + Ln 15)			\$79.74
17 Number of 50 Ft Increments		3	
18 Cost of Horizontal Pull Excluding Set Up (Ln 16 * Ln 17)			\$239.22
19 <b>Subtotal(Ln 13 + Ln 18)</b>			<b>\$318.96</b>
20 <b>Total Entrance Facility Installation Cost, Including Overheads</b> (Lns 5+10+19)			<b>\$1,589.99</b>
21 <b>Total Entrance Facility Installation Cost, Direct</b> (See Pages 55 - 106 for each C.O.))			<b>\$1,327.61</b>
22 Rate			\$1,590
23 RATIO: Rate/Direct Cost			1.20

**Sources**  
See Narrative

NOTE: Totals may not add due to rounding.

93-162 WORKPAPERS

ENTRANCE FACILITY INSTALLATION FUNCTION

**Cost Including Overhead**

Non-Recurring

RATE ELEMENT NAME: Cable Placement/Removal

**CENTRAL OFFICE: SNDG03 7847 Linda Vista, San Diego**

DESCRIPTION	LABOR RATE /UNIT (Fully Assigned)	# OF UNITS	TOTAL COST (A * B)
<b>Engineering per Placement/Removal</b>			
1 Outside Plant Engineer	\$100.31 /Hour	1	\$100.31
2 TIES Engineer	\$109.39 /Hour	2	\$218.78
3 Facility Equipment Engineer	\$114.34 /Hour	4	\$457.36
4 Engineering Aide	\$87.81 /Hour	2	\$175.62
5 <b>Subtotal</b>			<b>\$952.07</b>
<b>Vertical Placement/Removal per Floor</b>			
6 1st OSP Technician	\$79.74 /Hour	2	\$159.48
7 2nd OSP Technician	\$79.74 /Hour	2	\$159.48
8 Cost per Floor (Ln 6 + Ln 7)			\$318.96
9 Collocation Floor		3	
10 <b>Subtotal</b> (Ln 8 * Ln 9)			<b>\$956.88</b>
<b>Horizontal Placement/Removal per 50 Foot Increment</b>			
11 1st OSP Technician-Set Up	\$79.74 /Hour	0.5	\$39.87
12 2nd OSP Technician-Set Up	\$79.74 /Hour	0.5	\$39.87
13 Total Set Up (Ln 11 + Ln 12)			\$79.74
14 1st OSP Tech-Each 50 Ft	\$79.74 /Hour	0.5	\$39.87
15 2nd OSP Tech-Each 50 Ft	\$79.74 /Hour	0.5	\$39.87
16 Cost per 50 Ft (Ln 14 + Ln 15)			\$79.74
17 Number of 50 Ft Increments		2	
18 Cost of Horizontal Pull Excluding Set Up (Ln 16 * Ln 17)			\$159.48
19 <b>Subtotal</b> (Ln 13 + Ln 18)			<b>\$239.22</b>
20 <b>Total Entrance Facility Installation Cost, Including Overheads</b> (Lns 5+10+19)			<b>\$2,148.17</b>
21 <b>Total Entrance Facility Installation Cost, Direct</b> (See Pages 55 - 106 for each C.O.)			<b>\$1,782.19</b>
22 Rate			\$2,148
23 <b>RATIO: Rate/Direct Cost</b>			<b>1.21</b>

**Sources**

See Narrative

A. 37

NOTE: Totals may not add due to rounding.

## ENTRANCE FACILITY INSTALLATION FUNCTION

**Cost Including Overhead**

Non-Recurring

RATE ELEMENT NAME: Cable Placement/Removal

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**CENTRAL OFFICE:                      SNDG15                      9341 Regents Rd., San Diego**


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DESCRIPTION	LABOR RATE /UNIT (Fully Assigned)	# OF UNITS	TOTAL COST (A * B)
<b>Engineering per Placement/Removal</b>			
1 Outside Plant Engineer	\$100.31 /Hour	1	\$100.31
2 TIES Engineer	\$109.39 /Hour	2	\$218.78
3 Facility Equipment Engineer	\$114.34 /Hour	4	\$457.36
4 Engineering Aide	\$87.81 /Hour	2	\$175.62
5 <b>Subtotal</b>			<b>\$952.07</b>
<b>Vertical Placement/Removal per Floor</b>			
6 1st OSP Technician	\$79.74 /Hour	2	\$159.48
7 2nd OSP Technician	\$79.74 /Hour	2	\$159.48
8 Cost per Floor (Ln 6 + Ln 7)			\$318.96
9 Collocation Floor		1	
10 <b>Subtotal(Ln 8 * Ln 9)</b>			<b>\$318.96</b>
<b>Horizontal Placement/Removal per 50 Foot Increment</b>			
11 1st OSP Technician-Set Up	\$79.74 /Hour	0.5	\$39.87
12 2nd OSP Technician-Set Up	\$79.74 /Hour	0.5	\$39.87
13 Total Set Up (Ln 11 + Ln 12)			\$79.74
14 1st OSP Tech-Each 50 Ft	\$79.74 /Hour	0.5	\$39.87
15 2nd OSP Tech-Each 50 Ft	\$79.74 /Hour	0.5	\$39.87
16 Cost per 50 Ft (Ln 14 + Ln 15)			\$79.74
17 Number of 50 Ft Increments		3	
18 Cost of Horizontal Pull Excluding Set Up (Ln 16 * Ln 17)			\$239.22
19 <b>Subtotal(Ln 13 + Ln 18)</b>			<b>\$318.96</b>
20 <i>Total Entrance Facility Installation Cost,                      <b>Including Overheads</b></i> (Lns 5+10+19)			\$1,589.99
21 <i>Total Entrance Facility Installation Cost, Direct</i> (See Pages 55 - 106 for each C.O.)			\$1,327.61
22 Rate			\$1,590
23 <b>RATIO: Rate/Direct Cost</b>			1.20

**Sources**

See Narrative

A. 38

NOTE: Totals may not add due to rounding.

ENTRANCE FACILITY INSTALLATION FUNCTION

**Cost Including Overhead**

Non-Recurring

RATE ELEMENT NAME: Cable Placement/Removal

**CENTRAL OFFICE: SNDG16 9059 Mira Mesa Blvd., San Diego**

DESCRIPTION	LABOR RATE /UNIT (Fully Assigned)	# OF UNITS	TOTAL COST (A * B)
<b>Engineering per Placement/Removal</b>			
1 Outside Plant Engineer	\$100.31 /Hour	1	\$100.31
2 TIES Engineer	\$109.39 /Hour	2	\$218.78
3 Facility Equipment Engineer	\$114.34 /Hour	4	\$457.36
4 Engineering Aide	\$87.81 /Hour	2	\$175.62
5 <b>Subtotal</b>			\$952.07
<b>Vertical Placement/Removal per Floor</b>			
6 1st OSP Technician	\$79.74 /Hour	2	\$159.48
7 2nd OSP Technician	\$79.74 /Hour	2	\$159.48
8 Cost per Floor (Ln 6 + Ln 7)			\$318.96
9 Collocation Floor		2	
10 <b>Subtotal(Ln 8 * Ln 9)</b>			\$637.92
<b>Horizontal Placement/Removal per 50 Foot Increment</b>			
11 1st OSP Technician-Set Up	\$79.74 /Hour	0.5	\$39.87
12 2nd OSP Technician-Set Up	\$79.74 /Hour	0.5	\$39.87
13 Total Set Up (Ln 11 + Ln 12)			\$79.74
14 1st OSP Tech-Each 50 Ft	\$79.74 /Hour	0.5	\$39.87
15 2nd OSP Tech-Each 50 Ft	\$79.74 /Hour	0.5	\$39.87
16 Cost per 50 Ft (Ln 14 + Ln 15)			\$79.74
17 Number of 50 Ft Increments		2	
18 Cost of Horizontal Pull Excluding Set Up (Ln 16 * Ln 17)			\$159.48
19 <b>Subtotal(Ln 13 + Ln 18)</b>			\$239.22
20 <b>Total Entrance Facility Installation Cost, Including Overheads</b> (Lns 5+10+19)			\$1,829.21
21 <b>Total Entrance Facility Installation Cost, Direct</b> (See Pages 55 - 106 for each C.O.)			\$1,522.43
22 Rate			\$1,829
23 <b>RATIO: Rate/Direct Cost</b>			1.20

**Sources**

See Narrative

NOTE: Totals may not add due to rounding.

## 93-162 WORKPAPERS

## ENTRANCE FACILITY INSTALLATION FUNCTION

**Cost Including Overhead**

Non-Recurring

RATE ELEMENT NAME: Cable Placement/Removal

<b>CENTRAL OFFICE:</b>			
	<b>SNFC01</b>	<b>555 Pine St., San Francisco</b>	
<b>DESCRIPTION</b>	<b>LABOR RATE /UNIT</b> (Fully Assigned)	<b># OF UNITS</b>	<b>TOTAL COST</b> (A * B)
<b>Engineering per Placement/Removal</b>			
1 Outside Plant Engineer	\$100.31 /Hour	1	\$100.31
2 TIES Engineer	\$109.39 /Hour	2	\$218.78
3 Facility Equipment Engineer	\$114.34 /Hour	4	\$457.36
4 Engineering Aide	\$87.81 /Hour	2	\$175.62
5 <b>Subtotal</b>			\$952.07
<b>Vertical Placement/Removal per Floor</b>			
6 1st OSP Technician	\$79.74 /Hour	2	\$159.48
7 2nd OSP Technician	\$79.74 /Hour	2	\$159.48
8 Cost per Floor (Ln 6 + Ln 7)			\$318.96
9 Collocation Floor		2	
10 <b>Subtotal</b> (Ln 8 * Ln 9)			\$637.92
<b>Horizontal Placement/Removal per 50 Foot Increment</b>			
11 1st OSP Technician-Set Up	\$79.74 /Hour	0.5	\$39.87
12 2nd OSP Technician-Set Up	\$79.74 /Hour	0.5	\$39.87
13 Total Set Up (Ln 11 + Ln 12)			\$79.74
14 1st OSP Tech-Each 50 Ft	\$79.74 /Hour	0.5	\$39.87
15 2nd OSP Tech-Each 50 Ft	\$79.74 /Hour	0.5	\$39.87
16 Cost per 50 Ft (Ln 14 + Ln 15)			\$79.74
17 Number of 50 Ft Increments		3	
18 Cost of Horizontal Pull Excluding Set Up (Ln 16 * Ln 17)			\$239.22
19 <b>Subtotal</b> (Ln 13 + Ln 18)			\$318.96
20 <b>Total Entrance Facility Installation Cost, Including Overheads</b> (Lns 5+10+19)			\$1,908.95
21 <b>Total Entrance Facility Installation Cost, Direct</b> (See Pages 55 - 106 for each C.O.))			\$1,587.37
22 Rate			\$1,909
23 <b>RATIO: Rate/Direct Cost</b>			1.20

**Sources**

See Narrative

A. 40

NOTE: Totals may not add due to rounding.

93-162 WORKPAPERS

ENTRANCE FACILITY INSTALLATION FUNCTION

**Cost Including Overhead**

Non-Recurring

RATE ELEMENT NAME: Cable Placement/Removal

**CENTRAL OFFICE: SNFC04 1 McCoppin St., San Francisco**

DESCRIPTION	LABOR RATE /UNIT (Fully Assigned)	# OF UNITS	TOTAL COST (A * B)
<b>Engineering per Placement/Removal</b>			
1 Outside Plant Engineer	\$100.31 /Hour	1	\$100.31
2 TIES Engineer	\$109.39 /Hour	2	\$218.78
3 Facility Equipment Engineer	\$114.34 /Hour	4	\$457.36
4 Engineering Aide	\$87.81 /Hour	2	\$175.62
5 <b>Subtotal</b>			<b>\$952.07</b>
<b>Vertical Placement/Removal per Floor</b>			
6 1st OSP Technician	\$79.74 /Hour	2	\$159.48
7 2nd OSP Technician	\$79.74 /Hour	2	\$159.48
8 Cost per Floor (Ln 6 + Ln 7)			\$318.96
9 Collocation Floor		3	
10 <b>Subtotal(Ln 8 * Ln 9)</b>			<b>\$956.88</b>
<b>Horizontal Placement/Removal per 50 Foot Increment</b>			
11 1st OSP Technician-Set Up	\$79.74 /Hour	0.5	\$39.87
12 2nd OSP Technician-Set Up	\$79.74 /Hour	0.5	\$39.87
13 Total Set Up (Ln 11 + Ln 12)			\$79.74
14 1st OSP Tech-Each 50 Ft	\$79.74 /Hour	0.5	\$39.87
15 2nd OSP Tech-Each 50 Ft	\$79.74 /Hour	0.5	\$39.87
16 Cost per 50 Ft (Ln 14 + Ln 15)			\$79.74
17 Number of 50 Ft Increments		2	
18 Cost of Horizontal Pull Excluding Set Up (Ln 16 * Ln 17)			\$159.48
19 <b>Subtotal(Ln 13 + Ln 18)</b>			<b>\$239.22</b>
20 <b>Total Entrance Facility Installation Cost, Including Overheads</b> (Lns 5+10+19)			<b>\$2,148.17</b>
21 <b>Total Entrance Facility Installation Cost, Direct</b> (See Pages 55 - 106 for each C.O.)			<b>\$1,782.19</b>
22 Rate			<b>\$2,148</b>
23 RATIO: Rate/Direct Cost			<b>1.21</b>

**Sources**

See Narrative

A. 41

NOTE: Totals may not add due to rounding.

93-162 WORKPAPERS

ENTRANCE FACILITY INSTALLATION FUNCTION

**Cost Including Overhead**

Non-Recurring

RATE ELEMENT NAME: Cable Placement/Removal

**CENTRAL OFFICE: SNFC21 611 Folsom St., San Francisco**

DESCRIPTION	LABOR RATE /UNIT (Fully Assigned)	# OF UNITS	TOTAL COST (A * B)
<b>Engineering per Placement/Removal</b>			
1 Outside Plant Engineer	\$100.31 /Hour	1	\$100.31
2 TIES Engineer	\$109.39 /Hour	2	\$218.78
3 Facility Equipment Engineer	\$114.34 /Hour	4	\$457.36
4 Engineering Aide	\$87.81 /Hour	2	\$175.62
5 <b>Subtotal</b>			<b>\$952.07</b>
<b>Vertical Placement/Removal per Floor</b>			
6 1st OSP Technician	\$79.74 /Hour	2	\$159.48
7 2nd OSP Technician	\$79.74 /Hour	2	\$159.48
8 Cost per Floor (Ln 6 + Ln 7)			\$318.96
9 Collocation Floor		1	
10 <b>Subtotal(Ln 8 * Ln 9)</b>			<b>\$318.96</b>
<b>Horizontal Placement/Removal per 50 Foot Increment</b>			
11 1st OSP Technician-Set Up	\$79.74 /Hour	0.5	\$39.87
12 2nd OSP Technician-Set Up	\$79.74 /Hour	0.5	\$39.87
13 Total Set Up (Ln 11 + Ln 12)			\$79.74
14 1st OSP Tech-Each 50 Ft	\$79.74 /Hour	0.5	\$39.87
15 2nd OSP Tech-Each 50 Ft	\$79.74 /Hour	0.5	\$39.87
16 Cost per 50 Ft (Ln 14 + Ln 15)			\$79.74
17 Number of 50 Ft Increments		2	
18 Cost of Horizontal Pull Excluding Set Up (Ln 16 * Ln 17)			\$159.48
19 <b>Subtotal(Ln 13 + Ln 18)</b>			<b>\$239.22</b>
20 <b>Total Entrance Facility Installation Cost, Including Overheads</b> (Lns 5+10+19)			<b>\$1,510.25</b>
21 <b>Total Entrance Facility Installation Cost, Direct</b> (See Pages 55 - 106 for each C.O.))			<b>\$1,262.67</b>
22 Rate			\$1,510
23 RATIO: Rate/Direct Cost			1.20

**Sources**

See Narrative

A. 42

NOTE: Totals may not add due to rounding.

93-162 WORKPAPERS

ENTRANCE FACILITY INSTALLATION FUNCTION

**Cost Including Overhead**

Non-Recurring

RATE ELEMENT NAME: Cable Placement/Removal

**CENTRAL OFFICE: SNSJ02 95 Almaden, San Jose**

DESCRIPTION	LABOR RATE /UNIT (Fully Assigned)	# OF UNITS	TOTAL COST (A * B)
<b>Engineering per Placement/Removal</b>			
1 Outside Plant Engineer	\$100.31 /Hour	1	\$100.31
2 TIES Engineer	\$109.39 /Hour	2	\$218.78
3 Facility Equipment Engineer	\$114.34 /Hour	4	\$457.36
4 Engineering Aide	\$87.81 /Hour	2	\$175.62
5 <b>Subtotal</b>			<b>\$952.07</b>
<b>Vertical Placement/Removal per Floor</b>			
6 1st OSP Technician	\$79.74 /Hour	2	\$159.48
7 2nd OSP Technician	\$79.74 /Hour	2	\$159.48
8 Cost per Floor (Ln 6 + Ln 7)			\$318.96
9 Collocation Floor		3	
10 <b>Subtotal(Ln 8 * Ln 9)</b>			<b>\$956.88</b>
<b>Horizontal Placement/Removal per 50 Foot Increment</b>			
11 1st OSP Technician-Set Up	\$79.74 /Hour	0.5	\$39.87
12 2nd OSP Technician-Set Up	\$79.74 /Hour	0.5	\$39.87
13 Total Set Up (Ln 11 + Ln 12)			\$79.74
14 1st OSP Tech-Each 50 Ft	\$79.74 /Hour	0.5	\$39.87
15 2nd OSP Tech-Each 50 Ft	\$79.74 /Hour	0.5	\$39.87
16 Cost per 50 Ft (Ln 14 + Ln 15)			\$79.74
17 Number of 50 Ft Increments		3	
18 Cost of Horizontal Pull Excluding Set Up (Ln 16 * Ln 17)			\$239.22
19 <b>Subtotal(Ln 13 + Ln 18)</b>			<b>\$318.96</b>
20 <b>Total Entrance Facility Installation Cost, Including Overheads</b> (Lns 5+10+19)			<b>\$2,227.91</b>
21 <b>Total Entrance Facility Installation Cost, Direct</b> (See Pages 55 - 106 for each C.O.)			<b>\$1,847.13</b>
22 Rate			\$2,228
23 <b>RATIO: Rate/Direct Cost</b>			<b>1.21</b>

**Sources**

See Narrative

A. 43

NOTE: Totals may not add due to rounding.

ENTRANCE FACILITY INSTALLATION FUNCTION

**Cost Including Overhead**

Non-Recurring

RATE ELEMENT NAME: Cable Placement/Removal

**CENTRAL OFFICE: SNSJ12 6245 Dial Way, San Jose**

DESCRIPTION	LABOR RATE /UNIT (Fully Assigned)	# OF UNITS	TOTAL COST (A * B)
<b>Engineering per Placement/Removal</b>			
1 Outside Plant Engineer	\$100.31 /Hour	1	\$100.31
2 TIES Engineer	\$109.39 /Hour	2	\$218.78
3 Facility Equipment Engineer	\$114.34 /Hour	4	\$457.36
4 Engineering Aide	\$87.81 /Hour	2	\$175.62
5 <b>Subtotal</b>			<b>\$952.07</b>
<b>Vertical Placement/Removal per Floor</b>			
6 1st OSP Technician	\$79.74 /Hour	2	\$159.48
7 2nd OSP Technician	\$79.74 /Hour	2	\$159.48
8 Cost per Floor (Ln 6 + Ln 7)			\$318.96
9 Collocation Floor		1	
10 <b>Subtotal(Ln 8 * Ln 9)</b>			<b>\$318.96</b>
<b>Horizontal Placement/Removal per 50 Foot Increment</b>			
11 1st OSP Technician-Set Up	\$79.74 /Hour	0.5	\$39.87
12 2nd OSP Technician-Set Up	\$79.74 /Hour	0.5	\$39.87
13 Total Set Up (Ln 11 + Ln 12)			\$79.74
14 1st OSP Tech-Each 50 Ft	\$79.74 /Hour	0.5	\$39.87
15 2nd OSP Tech-Each 50 Ft	\$79.74 /Hour	0.5	\$39.87
16 Cost per 50 Ft (Ln 14 + Ln 15)			\$79.74
17 Number of 50 Ft Increments		2	
18 Cost of Horizontal Pull Excluding Set Up (Ln 16 * Ln 17)			\$159.48
19 <b>Subtotal(Ln 13 + Ln 18)</b>			<b>\$239.22</b>
20 <b>Total Entrance Facility Installation Cost, Including Overheads</b> (Lns 5+10+19)			<b>\$1,510.25</b>
21 <b>Total Entrance Facility Installation Cost, Direct</b> (See Pages 55 - 106 for each C.O.)			<b>\$1,262.67</b>
22 Rate			\$1,510
23 RATIO: Rate/Direct Cost			1.20

**Sources**

See Narrative

A. 44

NOTE: Totals may not add due to rounding.

ENTRANCE FACILITY INSTALLATION FUNCTION

**Cost Including Overhead**

Non-Recurring

RATE ELEMENT NAME: Cable Placement/Removal

**CENTRAL OFFICE: SNJS21 2211 Junction Ave., San Jose**

DESCRIPTION	LABOR RATE /UNIT (Fully Assigned)	# OF UNITS	TOTAL COST (A * B)
<b>Engineering per Placement/Removal</b>			
1 Outside Plant Engineer	\$100.31 /Hour	1	\$100.31
2 TIES Engineer	\$109.39 /Hour	2	\$218.78
3 Facility Equipment Engineer	\$114.34 /Hour	4	\$457.36
4 Engineering Aide	\$87.81 /Hour	2	\$175.62
5 <b>Subtotal</b>			<b>\$952.07</b>
<b>Vertical Placement/Removal per Floor</b>			
6 1st OSP Technician	\$79.74 /Hour	2	\$159.48
7 2nd OSP Technician	\$79.74 /Hour	2	\$159.48
8 Cost per Floor (Ln 6 + Ln 7)			\$318.96
9 Collocation Floor		1	
10 <b>Subtotal(Ln 8 * Ln 9)</b>			<b>\$318.96</b>
<b>Horizontal Placement/Removal per 50 Foot Increment</b>			
11 1st OSP Technician-Set Up	\$79.74 /Hour	0.5	\$39.87
12 2nd OSP Technician-Set Up	\$79.74 /Hour	0.5	\$39.87
13 Total Set Up (Ln 11 + Ln 12)			\$79.74
14 1st OSP Tech-Each 50 Ft	\$79.74 /Hour	0.5	\$39.87
15 2nd OSP Tech-Each 50 Ft	\$79.74 /Hour	0.5	\$39.87
16 Cost per 50 Ft (Ln 14 + Ln 15)			\$79.74
17 Number of 50 Ft Increments		1	
18 Cost of Horizontal Pull Excluding Set Up (Ln 16 * Ln 17)			\$79.74
19 <b>Subtotal(Ln 13 + Ln 18)</b>			<b>\$159.48</b>
20 <b>Total Entrance Facility Installation Cost, Including Overheads</b> (Lns 5+10+19)			<b>\$1,430.51</b>
21 <b>Total Entrance Facility Installation Cost, Direct</b> (See Pages 55 - 106 for each C.O.))			<b>\$1,197.73</b>
22 Rate			\$1,431
23 <b>RATIO: Rate/Direct Cost</b>			<b>1.19</b>

**Sources**

See Narrative

A. 45

NOTE: Totals may not add due to rounding.

93-162 WORKPAPERS

ENTRANCE FACILITY INSTALLATION FUNCTION

**Cost Including Overhead**

Non-Recurring

RATE ELEMENT NAME: Cable Placement/Removal

**CENTRAL OFFICE: SNMT11 23 28th Ave., San Mateo**

DESCRIPTION	LABOR RATE /UNIT (Fully Assigned)	# OF UNITS	TOTAL COST (A * B)
<b>Engineering per Placement/Removal</b>			
1 Outside Plant Engineer	\$100.31 /Hour	1	\$100.31
2 TIES Engineer	\$109.39 /Hour	2	\$218.78
3 Facility Equipment Engineer	\$114.34 /Hour	4	\$457.36
4 Engineering Aide	\$87.81 /Hour	2	\$175.62
5 Subtotal			\$952.07
<b>Vertical Placement/Removal per Floor</b>			
6 1st OSP Technician	\$79.74 /Hour	2	\$159.48
7 2nd OSP Technician	\$79.74 /Hour	2	\$159.48
8 Cost per Floor (Ln 6 + Ln 7)			\$318.96
9 Collocation Floor		2	
10 Subtotal(Ln 8 * Ln 9)			\$637.92
<b>Horizontal Placement/Removal per 50 Foot Increment</b>			
11 1st OSP Technician-Set Up	\$79.74 /Hour	0.5	\$39.87
12 2nd OSP Technician-Set Up	\$79.74 /Hour	0.5	\$39.87
13 Total Set Up (Ln 11 + Ln 12)			\$79.74
14 1st OSP Tech-Each 50 Ft	\$79.74 /Hour	0.5	\$39.87
15 2nd OSP Tech-Each 50 Ft	\$79.74 /Hour	0.5	\$39.87
16 Cost per 50 Ft (Ln 14 + Ln 15)			\$79.74
17 Number of 50 Ft Increments		1	
18 Cost of Horizontal Pull Excluding Set Up (Ln 16 * Ln 17)			\$79.74
19 Subtotal(Ln 13 + Ln 18)			\$159.48
20 Total Entrance Facility Installation Cost, <b>including Overheads</b> (Lns 5+10+19)			\$1,749.47
21 Total Entrance Facility Installation Cost, Direct (See Pages 55 - 106 for each C.O.)			\$1,457.49
22 Rate			\$1,749
23 RATIO: Rate/Direct Cost			1.20

**Sources**

See Narrative

A. 46

NOTE: Totals may not add due to rounding.

93-162 WORKPAPERS

ENTRANCE FACILITY INSTALLATION FUNCTION

**Cost Including Overhead**

Non-Recurring

RATE ELEMENT NAME: Cable Placement/Removal

<b>CENTRAL OFFICE:</b>			
	<b>SNRS01</b>	<b>517 Second St., Santa Rosa</b>	
DESCRIPTION	LABOR RATE /UNIT (Fully Assigned)	# OF UNITS	TOTAL COST (A * B)
<b>Engineering per Placement/Removal</b>			
1 Outside Plant Engineer	\$100.31 /Hour	1	\$100.31
2 TIES Engineer	\$109.39 /Hour	2	\$218.78
3 Facility Equipment Engineer	\$114.34 /Hour	4	\$457.36
4 Engineering Aide	\$87.81 /Hour	2	\$175.62
5 <b>Subtotal</b>			<b>\$952.07</b>
<b>Vertical Placement/Removal per Floor</b>			
6 1st OSP Technician	\$79.74 /Hour	2	\$159.48
7 2nd OSP Technician	\$79.74 /Hour	2	\$159.48
8 Cost per Floor (Ln 6 + Ln 7)			\$318.96
9 Collocation Floor		3	
10 <b>Subtotal(Ln 8 * Ln 9)</b>			<b>\$956.88</b>
<b>Horizontal Placement/Removal per 50 Foot Increment</b>			
11 1st OSP Technician-Set Up	\$79.74 /Hour	0.5	\$39.87
12 2nd OSP Technician-Set Up	\$79.74 /Hour	0.5	\$39.87
13 Total Set Up (Ln 11 + Ln 12)			\$79.74
14 1st OSP Tech-Each 50 Ft	\$79.74 /Hour	0.5	\$39.87
15 2nd OSP Tech-Each 50 Ft	\$79.74 /Hour	0.5	\$39.87
16 Cost per 50 Ft (Ln 14 + Ln 15)			\$79.74
17 Number of 50 Ft Increments		3	
18 Cost of Horizontal Pull Excluding Set Up (Ln 16 * Ln 17)			\$239.22
19 <b>Subtotal(Ln 13 + Ln 18)</b>			<b>\$318.96</b>
20 <b>Total Entrance Facility Installation Cost, Including Overheads</b> (Lns 5+10+19)			<b>\$2,227.91</b>
21 <b>Total Entrance Facility Installation Cost, Direct</b> (See Pages 55 - 106 for each C.O.))			<b>\$1,847.13</b>
22 Rate			\$2,228
23 <b>RATIO: Rate/Direct Cost</b>			<b>1.21</b>

**Sources**

See Narrative

A. 47

NOTE: Totals may not add due to rounding.

93-162 WORKPAPERS

ENTRANCE FACILITY INSTALLATION FUNCTION

**Cost Including Overhead**

Non-Recurring

RATE ELEMENT NAME: Cable Placement/Removal

**CENTRAL OFFICE:                      SNTC01                      1700 Space Park Drive, Santa Clara**

DESCRIPTION	LABOR RATE /UNIT (Fully Assigned)	# OF UNITS	TOTAL COST (A * B)
<b>Engineering per Placement/Removal</b>			
1 Outside Plant Engineer	\$100.31 /Hour	1	\$100.31
2 TIES Engineer	\$109.39 /Hour	2	\$218.78
3 Facility Equipment Engineer	\$114.34 /Hour	4	\$457.36
4 Engineering Aide	\$87.81 /Hour	2	\$175.62
5 <b>Subtotal</b>			<b>\$952.07</b>
<b>Vertical Placement/Removal per Floor</b>			
6 1st OSP Technician	\$79.74 /Hour	2	\$159.48
7 2nd OSP Technician	\$79.74 /Hour	2	\$159.48
8 Cost per Floor (Ln 6 + Ln 7)			\$318.96
9 Collocation Floor		0	
10 <b>Subtotal(Ln 8 * Ln 9)</b>			<b>\$0.00</b>
<b>Horizontal Placement/Removal per 50 Foot Increment</b>			
11 1st OSP Technician-Set Up	\$79.74 /Hour	0.5	\$39.87
12 2nd OSP Technician-Set Up	\$79.74 /Hour	0.5	\$39.87
13 Total Set Up (Ln 11 + Ln 12)			\$79.74
14 1st OSP Tech-Each 50 Ft	\$79.74 /Hour	0.5	\$39.87
15 2nd OSP Tech-Each 50 Ft	\$79.74 /Hour	0.5	\$39.87
16 Cost per 50 Ft (Ln 14 + Ln 15)			\$79.74
17 Number of 50 Ft Increments		2	
18 Cost of Horizontal Pull Excluding Set Up (Ln 16 * Ln 17)			\$159.48
19 <b>Subtotal(Ln 13 + Ln 18)</b>			<b>\$239.22</b>
20 <i>Total Entrance Facility Installation Cost,                      <b>Including Overheads</b></i> (Lns 5+10+19)			\$1,191.29
21 <i>Total Entrance Facility Installation Cost, Direct</i> (See Pages 55 - 106 for each C.O.))			\$1,002.91
22 Rate			\$1,191
23 RATIO: Rate/Direct Cost			1.19

**Sources**

See Narrative

A. 48

NOTE: Totals may not add due to rounding.

93-162 WORKPAPERS

ENTRANCE FACILITY INSTALLATION FUNCTION

**Cost Including Overhead**

Non-Recurring

RATE ELEMENT NAME: Cable Placement/Removal

**CENTRAL OFFICE: SNVA01 234 Carrol St., Sunnyvale**

DESCRIPTION	LABOR RATE /UNIT (Fully Assigned)	# OF UNITS	TOTAL COST (A * B)
<b>Engineering per Placement/Removal</b>			
1 Outside Plant Engineer	\$100.31 /Hour	1	\$100.31
2 TIES Engineer	\$109.39 /Hour	2	\$218.78
3 Facility Equipment Engineer	\$114.34 /Hour	4	\$457.36
4 Engineering Aide	\$87.81 /Hour	2	\$175.62
5 <b>Subtotal</b>			<b>\$952.07</b>
<b>Vertical Placement/Removal per Floor</b>			
6 1st OSP Technician	\$79.74 /Hour	2	\$159.48
7 2nd OSP Technician	\$79.74 /Hour	2	\$159.48
8 Cost per Floor (Ln 6 + Ln 7)			\$318.96
9 Collocation Floor		1	
10 <b>Subtotal(Ln 8 * Ln 9)</b>			<b>\$318.96</b>
<b>Horizontal Placement/Removal per 50 Foot Increment</b>			
11 1st OSP Technician-Set Up	\$79.74 /Hour	0.5	\$39.87
12 2nd OSP Technician-Set Up	\$79.74 /Hour	0.5	\$39.87
13 Total Set Up (Ln 11 + Ln 12)			\$79.74
14 1st OSP Tech-Each 50 Ft	\$79.74 /Hour	0.5	\$39.87
15 2nd OSP Tech-Each 50 Ft	\$79.74 /Hour	0.5	\$39.87
16 Cost per 50 Ft (Ln 14 + Ln 15)			\$79.74
17 Number of 50 Ft Increments		3	
18 Cost of Horizontal Pull Excluding Set Up (Ln 16 * Ln 17)			\$239.22
19 <b>Subtotal(Ln 13 + Ln 18)</b>			<b>\$318.96</b>
20 <b>Total Entrance Facility Installation Cost, Including Overheads</b> (Lns 5+10+19)			<b>\$1,589.99</b>
21 <b>Total Entrance Facility Installation Cost, Direct</b> (See Pages 55 - 106 for each C.O.)			<b>\$1,327.61</b>
22 Rate			\$1,590
23 RATIO: Rate/Direct Cost			1.20

**Sources**

See Narrative

A. 49

NOTE: Totals may not add due to rounding.

93-162 WORKPAPERS

ENTRANCE FACILITY INSTALLATION FUNCTION

**Cost Including Overhead**

Non-Recurring

RATE ELEMENT NAME: Cable Placement/Removal

**CENTRAL OFFICE: SNVA11 1140 Mathilda Ave., Sunnyvale**

DESCRIPTION	LABOR RATE /UNIT (Fully Assigned)	# OF UNITS	TOTAL COST (A * B)
<b>Engineering per Placement/Removal</b>			
1 Outside Plant Engineer	\$100.31 /Hour	1	\$100.31
2 TIES Engineer	\$109.39 /Hour	2	\$218.78
3 Facility Equipment Engineer	\$114.34 /Hour	4	\$457.36
4 Engineering Aide	\$87.81 /Hour	2	\$175.62
5 <b>Subtotal</b>			\$952.07
<b>Vertical Placement/Removal per Floor</b>			
6 1st OSP Technician	\$79.74 /Hour	2	\$159.48
7 2nd OSP Technician	\$79.74 /Hour	2	\$159.48
8 Cost per Floor (Ln 6 + Ln 7)			\$318.96
9 Collocation Floor		1	
10 <b>Subtotal(Ln 8 * Ln 9)</b>			\$318.96
<b>Horizontal Placement/Removal per 50 Foot Increment</b>			
11 1st OSP Technician-Set Up	\$79.74 /Hour	0.5	\$39.87
12 2nd OSP Technician-Set Up	\$79.74 /Hour	0.5	\$39.87
13 Total Set Up (Ln 11 + Ln 12)			\$79.74
14 1st OSP Tech-Each 50 Ft	\$79.74 /Hour	0.5	\$39.87
15 2nd OSP Tech-Each 50 Ft	\$79.74 /Hour	0.5	\$39.87
16 Cost per 50 Ft (Ln 14 + Ln 15)			\$79.74
17 Number of 50 Ft Increments		5	
18 Cost of Horizontal Pull Excluding Set Up (Ln 16 * Ln 17)			\$398.70
19 <b>Subtotal(Ln 13 + Ln 18)</b>			\$478.44
20 <b>Total Entrance Facility Installation Cost, Including Overheads</b> (Lns 5+10+19)			\$1,749.47
21 <b>Total Entrance Facility Installation Cost, Direct</b> (See Pages 55 - 106 for each C.O.)			\$1,457.49
22 Rate			\$1,749
23 RATIO: Rate/Direct Cost			1.20

**Sources**

See Narrative

A. 50

NOTE: Totals may not add due to rounding.

93-162 WORKPAPERS

ENTRANCE FACILITY INSTALLATION FUNCTION

**Cost Including Overhead**

Non-Recurring

RATE ELEMENT NAME: Cable Placement/Removal

**CENTRAL OFFICE: SKTN01 345 N. San Joaquin, Stockton**

DESCRIPTION	LABOR RATE /UNIT (Fully Assigned)	# OF UNITS	TOTAL COST (A * B)
<b>Engineering per Placement/Removal</b>			
1 Outside Plant Engineer	\$100.31 /Hour	1	\$100.31
2 TIES Engineer	\$109.39 /Hour	2	\$218.78
3 Facility Equipment Engineer	\$114.34 /Hour	4	\$457.36
4 Engineering Aide	\$87.81 /Hour	2	\$175.62
5 <b>Subtotal</b>			\$952.07
<b>Vertical Placement/Removal per Floor</b>			
6 1st OSP Technician	\$79.74 /Hour	2	\$159.48
7 2nd OSP Technician	\$79.74 /Hour	2	\$159.48
8 Cost per Floor (Ln 6 + Ln 7)			\$318.96
9 Collocation Floor		2	
10 <b>Subtotal(Ln 8 * Ln 9)</b>			\$637.92
<b>Horizontal Placement/Removal per 50 Foot Increment</b>			
11 1st OSP Technician-Set Up	\$79.74 /Hour	0.5	\$39.87
12 2nd OSP Technician-Set Up	\$79.74 /Hour	0.5	\$39.87
13 Total Set Up (Ln 11 + Ln 12)			\$79.74
14 1st OSP Tech-Each 50 Ft	\$79.74 /Hour	0.5	\$39.87
15 2nd OSP Tech-Each 50 Ft	\$79.74 /Hour	0.5	\$39.87
16 Cost per 50 Ft (Ln 14 + Ln 15)			\$79.74
17 Number of 50 Ft Increments		5	
18 Cost of Horizontal Pull Excluding Set Up (Ln 16 * Ln 17)			\$398.70
19 <b>Subtotal(Ln 13 + Ln 18)</b>			\$478.44
20 <b>Total Entrance Facility Installation Cost, Including Overheads</b> (Lns 5+10+19)			\$2,068.43
21 <b>Total Entrance Facility Installation Cost, Direct</b> (See Pages 55 - 106 for each C.O.)			\$1,717.25
22 Rate			\$2,068
23 <b>RATIO: Rate/Direct Cost</b>			1.20

**Sources**

See Narrative

A. 51

NOTE: Totals may not add due to rounding.

93-162 WORKPAPERS

ENTRANCE FACILITY INSTALLATION FUNCTION

**Cost Including Overhead**

Non-Recurring

RATE ELEMENT NAME: Cable Placement/Removal

**CENTRAL OFFICE: VNNY02 6803 Cedros, Van Nuys**

DESCRIPTION	LABOR RATE /UNIT (Fully Assigned)	# OF UNITS	TOTAL COST (A * B)
<b>Engineering per Placement/Removal</b>			
1 Outside Plant Engineer	\$100.31 /Hour	1	\$100.31
2 TIES Engineer	\$109.39 /Hour	2	\$218.78
3 Facility Equipment Engineer	\$114.34 /Hour	4	\$457.36
4 Engineering Aide	\$87.81 /Hour	2	\$175.62
5 <b>Subtotal</b>			\$952.07
<b>Vertical Placement/Removal per Floor</b>			
6 1st OSP Technician	\$79.74 /Hour	2	\$159.48
7 2nd OSP Technician	\$79.74 /Hour	2	\$159.48
8 Cost per Floor (Ln 6 + Ln 7)			\$318.96
9 Collocation Floor		1	
10 <b>Subtotal (Ln 8 * Ln 9)</b>			\$318.96
<b>Horizontal Placement/Removal per 50 Foot Increment</b>			
11 1st OSP Technician-Set Up	\$79.74 /Hour	0.5	\$39.87
12 2nd OSP Technician-Set Up	\$79.74 /Hour	0.5	\$39.87
13 Total Set Up (Ln 11 + Ln 12)			\$79.74
14 1st OSP Tech-Each 50 Ft	\$79.74 /Hour	0.5	\$39.87
15 2nd OSP Tech-Each 50 Ft	\$79.74 /Hour	0.5	\$39.87
16 Cost per 50 Ft (Ln 14 + Ln 15)			\$79.74
17 Number of 50 Ft Increments		2	
18 Cost of Horizontal Pull Excluding Set Up (Ln 16 * Ln 17)			\$159.48
19 <b>Subtotal (Ln 13 + Ln 18)</b>			\$239.22
20 <b>Total Entrance Facility Installation Cost Including Overheads</b> (Lns 5+10+19)			\$1,510.25
21 <b>Total Entrance Facility Installation Cost, Direct</b> (See Pages 55 - 106 for each C.O.)			\$1,262.67
22 Rate			\$1,510
23 <b>RATIO: Rate/Direct Cost</b>			1.20

**Sources**

See Narrative

A. 52

NOTE: Totals may not add due to rounding.