

1 Q: Okay. Did he relay anything about those
2 conversations to you?

3 A: His only comment to me was that the railroad
4 would not approve us to dig a ditch and expose the
5 cable because of the close proximity to the rail.

6 Q: And if the cable was exposed in a four or
7 five-foot wide ditch, it would be exposed to
8 anything that came off a railroad train or a
9 derailed railroad car or something like that, would
10 it not be?

11 A: Can you repeat that one more time?

12 Q: Yes. If the cable is exposed by digging a
13 four or five-foot wide ditch, it would be
14 susceptible to being damaged by anything that came
15 off of the railroad right at that location; correct?

16 A: At the time it was exposed, yes.

17 Q: That's all I've got right now. Thanks.

18 MR. JEFFERY: Larry.

19 EXAMINATION

20 QUESTIONS BY MR. PARRISH:

21 Q: Yes, just a couple of questions, please. So
22 that it has not been definitively determined that
23 the sheet pilings pose a direct conflict with the
24 cable; is that right, Mr. Stull?

25 A: That is incorrect.

1 Q: I thought I heard you just say that the --
2 that it may be possible that the -- that the sheet
3 piling could be placed without interference with the
4 cable if there were -- if it were exposed, and there
5 may not be a conflict. Am I incorrect in that?

6 A: No, that is correct. But based on the
7 current engineering plans that we have, my engineer
8 feels that the current location of those sheet
9 pilings would be driven right through the center of
10 our cable.

11 Q: Okay. However, if the cable is exposed and
12 it's determined that there is no conflict, then the
13 costs that you just testified to, this 500 and --

14 A: 566?

15 Q: 566,000, would that cost be significantly
16 reduced, if incurred at all?

17 A: That is correct.

18 Q: Now, what is the -- what is the impediment
19 to exposing the cable? I thought I heard you say
20 something earlier about somebody not allowing it,
21 the railroad not allowing it. What is the
22 impediment to doing that?

23 A: It would be the -- I'm assuming, and this
24 would have to be from a railroad engineer to
25 confirm, but the railroad will not allow you to dig

1 in that close proximity to the actual rails for fear
2 of, you know, degradating the structure of the
3 surface under the rail.

4 Q: Earlier in your testimony, you mentioned
5 that there were already I believe you said two
6 splices which are approximately two miles apart
7 regarding the cable in the area that we're talking
8 about here and that any more splicing would result
9 in a degradation of service, do I have that right?

10 A: That is correct.

11 Q: Are you aware of any other situation that
12 you've worked on regarding cable where there have
13 been more than two splices in this -- in a similar
14 area?

15 A: No.

16 Q: On Page 4 of Deposition Exhibit 4, Line 630,
17 there's a cost of \$329,400 for directional boring.
18 Can you explain what directional boring is to me?

19 A: Yeah, directional boring is a construction
20 method for installing pipes, conduits, and basically
21 as I explained before, you have a machine that has
22 an auger on the end of it. It also has a head on
23 the end of that auger that can be monitored from
24 above the ground with a machine so that you know the
25 exact location of that bore head at all times.

1 You would bore out -- say you're going to
2 have a -- for hypothetical reasons, a 400-foot bore.
3 That bore head would go out 400 foot at the depth
4 that you want it and then come up out of the ground
5 at the location on the other end that you want it.

6 Once it gets to the other side, then a
7 conduit or sometimes a series of conduits are
8 attached to the end of that bore head, and it's
9 pulled back through that pilot hole that was created
10 on the first pass. That conduit, if it's pulled in
11 there, then allows you the opportunity to pull in a
12 fiber optic cable without any restraints.

13 Q: Thank you very much. I have no further
14 questions.

15 MR. JEFFERY: I don't think I have any
16 follow-up. Roy, do you?

17 MR. FARWELL: No, I'm fine.

18 MR. JEFFERY: Lynn, did you have any
19 questions?

20 MS. CARSON: I think I'm fine.

21 MR. JEFFERY: Steve, as the witness in a
22 deposition, you have the opportunity to review and
23 sign the transcript, or you can waive that right.
24 Like if you thought --

25 MS. CARSON: I would like him to be able to

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16
- 17
- 18
- 19
- 20
- 21
- 22
- 23
- 24
- 25

read it and sign off on it.

[Signature of the Witness was not waived.]

1 State of Missouri

2 SS.

3 County of St. Louis

4 I, KELLY L. GUILLIAMS, a Certified Court
5 Reporter and a duly commissioned Notary Public
6 within and for the State of Missouri, do hereby
7 certify that pursuant to agreement of Counsel, there
8 came before me at the offices of Thompson Coburn,
9 LLP, One US Bank Plaza, Suite 3500, in the City of
10 St. Louis, State of Missouri,

11 STEPHEN STULL,

12 who was by me first duly sworn to testify to
13 the truth and nothing but the truth of all knowledge
14 touching and concerning the matters in controversy
15 in this cause; that the witness was thereupon
16 carefully examined under oath and said examination
17 was reduced to writing by me; that the signature of
18 the witness was not waived by agreement of all
19 parties; and that this deposition is a true and
20 correct record of the testimony given by the
21 witness.

22 I further certify that I am not counsel,
23 attorney or relative of either party, or clerk or
24 stenographer of either party, or otherwise
25 interested in the event of this suit.

Gore Perry Gateway Lipa Baker Dunn & Butz
St. Louis 314.241.6750 St. Charles 636.940.0926

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25

IN WITNESS WHEREOF, I have hereunto set my hand
and seal this 30th day of March, 2009.

My Commission expires May 29, 2009.

Kelly L. Williams

Notary Public in and for the
State of Missouri

KELLY L. GUILLIAMS
Notary Public - Notary Seal
State of Missouri
Commissioned for St. Louis County
My Commission Expires: May 29, 2009
0544999

1 Gore Perry Gateway & Lipa Reporting

2

3

4 Mr. Stephen Stull c/o Verizon Business

5

6829 N. Lakewood Avenue

6

Tulsa, OK 74117

7

8 Enclosed please find the Original Signature pages

9

and errata sheets for the deposition of:

10

Stephen Stull taken 3/27/2009 in the case of:

11

Department of Transportation of Illinois vs. Kansas City Southern,

12

Please read your copy of the transcript, noting

13

any corrections on the enclosed erratta sheets,

14

and return all pages for filing in court to:

15

Mr. Stephen G. Jeffery

16

Thompson Coburn, LLP

17

One US Bank Plaza, Suite 3500

18

St. Louis, MO 63101

19

20 Your prompt cooperation will be appreciated.

21

Sincerely,

22

23 Gore Perry Gateway & Lipa Reporting

24

Gore Perry Gateway Lipa Baker Dunn & Butz
St. Louis 314.241.6750 St. Charles 636.940.0926

1 Page Line Should Read:

2 Reason for change:

3

4 Page Line Should Read:

5 Reason for change:

6

7 Page Line Should Read:

8 Reason for change:

9

10 Page Line Should Read:

11 Reason for change:

12

13 Page Line Should Read:

14 Reason for change:

15

16 Page Line Should Read:

17 Reason for change:

18

19 Page Line Should Read:

20 Reason for change:

21

22 Page Line Should Read:

23 Reason for change:

24

25

1 Page Line Should Read:

2 Reason for change:

3

4 Page Line Should Read:

5 Reason for change:

6

7 Page Line Should Read:

8 Reason for change:

9

10 Page Line Should Read:

11 Reason for change:

12

13 Page Line Should Read:

14 Reason for change:

15

16 Page Line Should Read:

17 Reason for change:

18

19 Page Line Should Read:

20 Reason for change:

21

22 Page Line Should Read:

23 Reason for change:

24

25

1 Comes now the witness, Stephen Stull,
 2 and having read the the foregoing transcript
 3 of the deposition taken on the 3/27/2009,
 4 acknowledges by signature hereto that it is a
 5 true and accurate transcript of the testimony given
 6 on the date hereinabove mentioned.

7

8

9



10 Stephen Stull

11

12 Subscribed and sworn to me before this

13 1st day of April, 2009.

14 My Commission expires: March 8, 2013
 15 Commission No. 01004020

16

17

18

19

20

21

22

23

24

25

26



James F. Sehl
 Notary Public

1 COURT MEMO

2 .

3 4

5 Department of Transportation of Illinois vs. Kansas City Southern,
6 T09-0018

7

8 CERTIFICATE OF OFFICER AND

9 STATEMENT OF DEPOSITION CHARGES

10

11 DEPOSITION OF STEPHEN STULL

12 TAKEN ON BEHALF OF THE RESPONDENT

13 3/27/2009

14 Name and address of person or firm having custody of
15 the original transcript:

16 Stephen G. Jeffery

17 Thompson Coburn

18 One US Bank Plaza, Suite 3300

19 St. Louis, MO 63101

20

21

22

23

24

25

1 ORIGINAL TRANSCRIPT TAXED IN FAVOR OF:

2 Stephen G. Jeffery

3 Thompson Coburn

4 One US Bank Plaza, Suite 3300

5 St. Louis, MO 63101

6 Total:

7 1 ONE COPY - TAXED IN FAVOR OF:

8 Roy P. Farwell

9 Union Pacific Railroad Company

10 100 North Broadway, Suite 1500

11 St. Louis, MO 63102

12 Total:

13 1 ONE COPY - TAXED IN FAVOR OF:

14 Lawrence Parrish

15 Unknown

16 UnKnown, UnKnown

17 UnKnown,

18 Total:

19

20 Upon delivery of transcripts, the above

21 charges had not been paid. It is anticipated

22 that all charges will be paid in the normal course

23 of business.

24 GORE PERRY GATEWAY & LIPA REPORTING COMPANY

25 515 Olive Street, Suite 700

Gore Perry Gateway Lipa Baker Dunn & Butz
St. Louis 314.241.6750 St. Charles 636.940.0926

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25

St. Louis, Missouri 63101

IN WITNESS WHEREOF, I have hereunto set

my hand and seal on this _____ day of _____

Commission expires _____

Kelly L. Guilliams

Notary Public

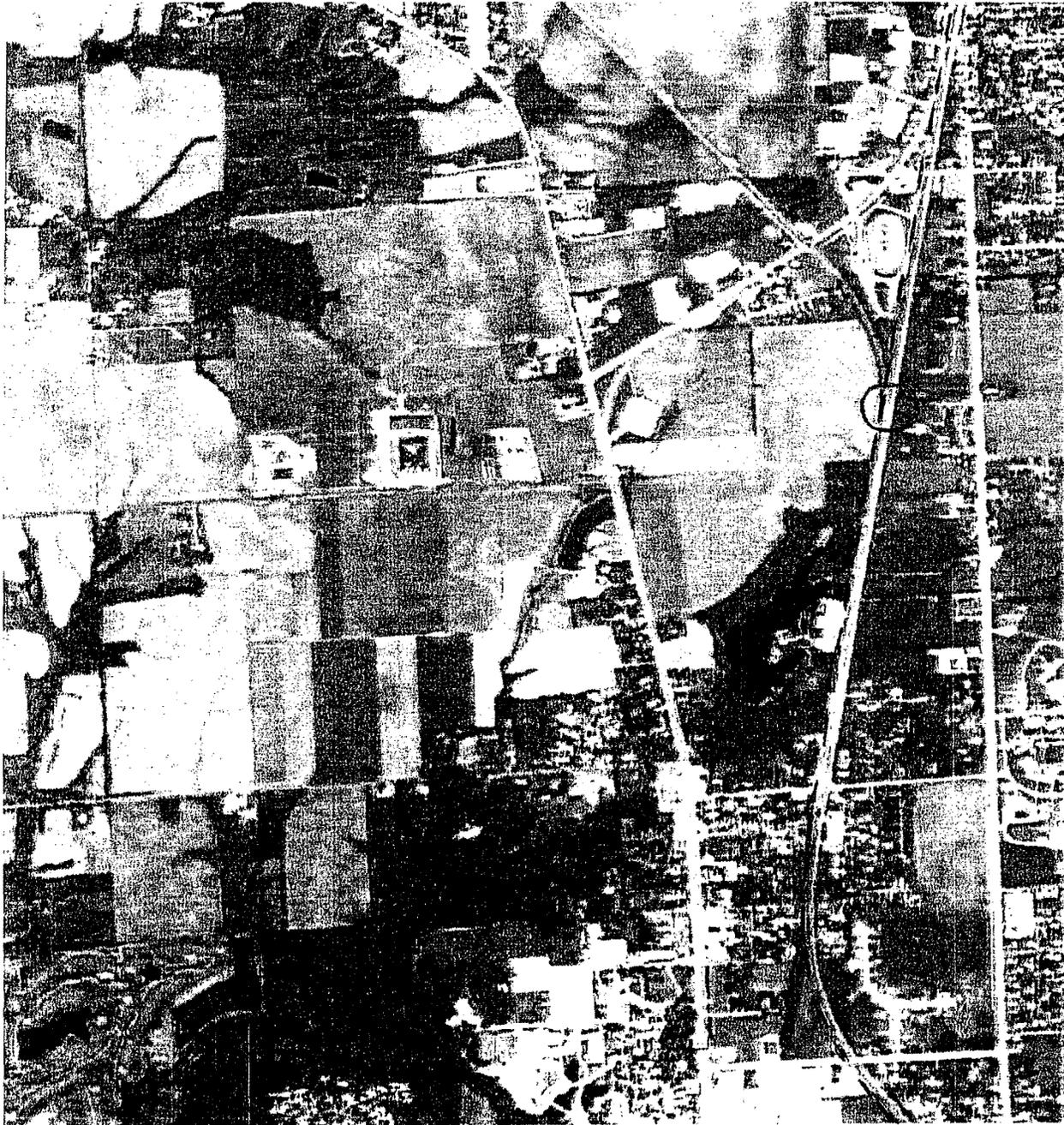
KELLY L. GUILLIAMS
Notary Public - Notary Seal
State of Missouri
Commissioned for St. Louis County
My Commission Expires: May 29, 2009
05449999

Steve Stull

From: Jeffery, Stephen G. [SJEFFERY@thompsoncoburn.com]
Sent: Tuesday, March 24, 2009 11:31 AM
To: steve.stull@verizonbusiness.com; 'Parrish, Lawrence D'; ZZUnion Pacific - Farwell Roy; 'VonDeBur, Joe'
Subject: Exhibits for March 27, 2009 Depositions
Attachments: EX_1_Proposed_Overpass.pdf, EX_3_IDOT_Site_Map.pdf

EXHIBIT 2

N
↑



3/27/2009

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS

**PROPOSED
 HIGHWAY PLANS**

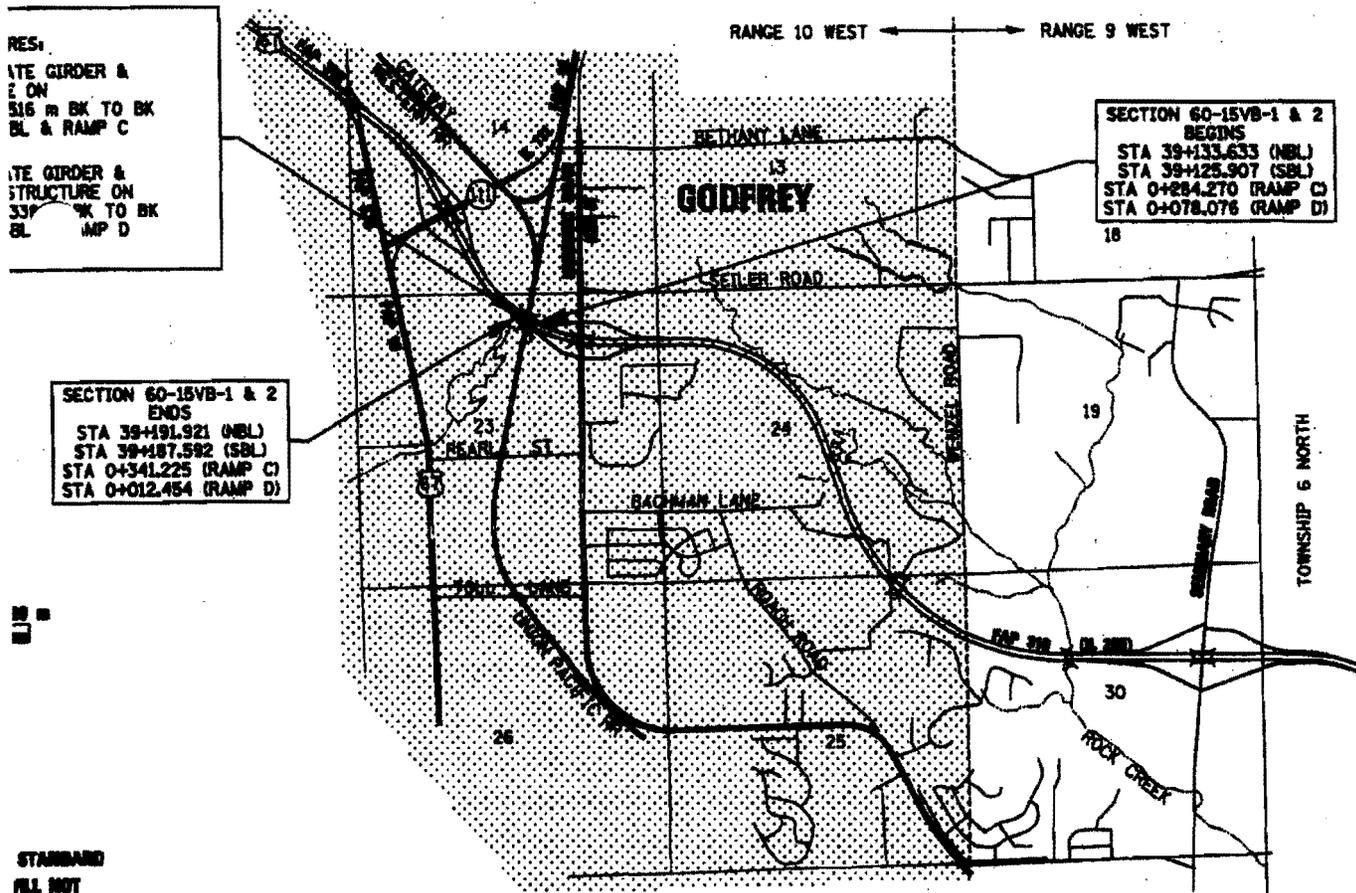
FAP ROUTE 310 (IL ROUTE 255)
 SECTION 60-15VB-1 & 2

PROJECT NHF-310()
 MADISON COUNTY

C-98-014-03

CONSTRUCT TWO GRADE SEPARATION STRUCTURES
 TO CARRY FAP RTE 310, RAMP C & RAMP D OVER UNION
 PACIFIC AND GATEWAY WESTERN RAILROAD

HIGHWAY
 NO. 2



RES:
 ISTE GIRDER &
 E ON
 516 m BK TO BK
 BL & RAMP C

ITE GIRDER &
 STRUCTURE ON
 337 m BK TO BK
 BL & RAMP D

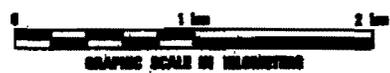
SECTION 60-15VB-1 & 2
 BEGINS
 STA 39+133.633 (NBL)
 STA 39+125.907 (SBL)
 STA 0+284.270 (RAMP C)
 STA 0+078.076 (RAMP D)

SECTION 60-15VB-1 & 2
 ENDS
 STA 39+191.921 (NBL)
 STA 39+187.592 (SBL)
 STA 0+341.225 (RAMP C)
 STA 0+012.454 (RAMP D)

STANDARD
 ALL NOT
 MEASUREMENTS
 BE USED.



Eric B. Barnes
 ERIC B. BARNES DATE 12-15-08
 REGISTERED PROFESSIONAL ENGINEER
 STATE OF ILLINOIS NO. 062-052141
 LICENSE EXPIRES NOVEMBER 30, 2009



GRAPHIC SCALE IN KILOMETERS

GROSS AND NET LENGTH OF SECTION 60-15VB-1 & 2
 = 58.206 METERS = 0.066 KILOMETERS (NBL)
 = 61.606 METERS = 0.062 KILOMETERS (SBL)
 = 58.908 METERS = 0.067 KILOMETERS (RAMP C)
 = 66.622 METERS = 0.066 KILOMETERS (RAMP D)

Latitude / Longitude
 Latitude 0920
 Longitude 0920

PLANS PREPARED BY
KLINGON

Engineers / Architects
 616 North 24th Street (217)

DESIGN DESIGNATION
 2220(2) ARTERIAL 7.11 (PB-20)

EXHIBIT
3

FAP ROUTE 310

OSPC CONSTRUCTION ESTIMATE

90919K Godfrey, IL FAP310 Bridge UPRR/IDOT

PREPARED BY:	Tom Buher	LATERAL:	SINGLE LATERAL
BAR NUMBER:	Reimbursable Maint. Project	DATE:	3/20/2009
CUSTOMER NAME:	Oates Associates Consulting Engineers / IDOT	CITY:	Godfrey
ADDRESS:	splice to splice proposal	STATE:	IL

Route Details

	BACKBONE MILES	LATERAL MILES
New Underground	RELOCATE	3.45
New ISP Conduit		
New Aerial Placement		
Aerial Overlash		
Existing VzB Duct		
Customer Owned Duct		
Leased Duct		
Other		
Leased Dark Fiber		
Sub Total	3.45	-
Total Route Miles		3.45
Fiber Count	30.00	
Fiber Mile Sub Total	103.50	-
Total Fiber Miles		103.50

Project Duration (weeks)

Engineering	4
Permitting	8
Construction	6
Splicing	1
Total	19

Description of Work

This project proposes to engineer, permit and construct a relocation route for existing LD fiber from splice point to splice point due to need not to add additional splice losses. Construction will consist of directional boring approximately 18,300 feet of 2 inch hdpe along UPRR / Kansas City Southern Railway CO ROW from MP#249.03 to MP#252.50 and install 30 fiber cable with associated handholes.

Assumptions

- 1) Route can be permitted and constructed along proposed route.
- 2) All permits and agreements can be obtained to support proposed project.
- 3) All splicing to be performed by VzB Ops.
- 4) Assumes no rock
- 5) All work activity is within RR ROW and there are no easements required.
- 6) Const and engineering based on minimal snow accumulation.
- 7) Estimated costs are good thru end of year 2009



Engineering

90919K Godfrey, IL FAP 310 Bridge UPRR/IDOT

Description	Capital Qty	Expense Qty	U/M	Rate	Capital Total	Expense Total
Project Management						
E-200 Project Management (with inspection) - Rural - <1,000			ea.		-	-
E-205 Project Management (with inspection) - Rural - >1,000		18,300	ft.	1.05	-	19,215
E-215 Project Management (with inspection) - Metro - <500			ea.		-	-
E-220 Project Management (with inspection) - Metro - >500			ft.		-	-
E-225 Project Management (w/o inspection) - Rural - <1,000			ea.		-	-
E-230 Project Management (w/o inspection) - Rural - >1,000			ft.		-	-
E-235 Project Management (w/o inspection) - Metro - <500			ea.		-	-
E-240 Project Management (w/o inspection)- Metro - >500			ft.		-	-
Engineering & Design						
E-300 Cable Design - Rural Underground - <1,000 ft			ea.		-	-
E-305 Cable Design - Rural Underground - >1,000 ft			ft.		-	-
E-310 Cable Design - Rural Underground (RR) - <1,000 ft			ea.		-	-
E-315 Cable Design - Rural Underground (RR) - >1,000 ft		18,300	ft.	1.25	-	22,875
E-320 Cable Design - Metro Underground - <500 ft			ea.		-	-
E-325 Cable Design - Metro Underground - 500 to 2,500 ft			ft.		-	-
E-330 Cable Design - Metro Underground - >2,500 ft			ft.		-	-
E-335 Cable Design - Metro Underground (RR) - <500 ft			ea.		-	-
E-340 Cable Design - Metro Underground (RR) - 500 to 2,500 ft			ft.		-	-
E-345 Cable Design - Metro Underground (RR) - >2,500 ft			ft.		-	-
E-350 Cable Design - Existing Underground conduit - <500 ft			ea.		-	-
E-355 Cable Design - Existing Underground conduit - >500 ft			ft.		-	-
E-400 Cable Design - Rural Aerial - <2,500 ft			ea.		-	-
E-405 Cable Design - Rural Aerial - >2,500 ft			ft.		-	-
E-410 Cable Design - Metro Aerial - <1,000 ft			ea.		-	-
E-415 Cable Design - Metro Aerial - >1,000 ft			ft.		-	-
Building Entrance Links						
E-500 Building Entrance Link - ISP - < 250 ft			ea.		-	-
E-505 Building Entrance Link - ISP - > 250 ft			ft.		-	-
Hourly Rates						
E-600 Project Manager			hr.		-	-
E-605 Senior Engineer			hr.		-	-
E-610 Engineer			hr.		-	-
E-615 Right of Way Agent/Permit Coordinator			hr.		-	-
E-620 CADD Drafter			hr.		-	-
Daily Rates						
E-700 OSP Coordinator			day		-	-
E-705 Craft Inspector			day		-	-
E-710 Locator/Monitor			day		-	-
E-715 Right of Way Agent/Permit Coordinator		5	day	450.00	-	2,250
E-800 Out of Region Adder	0	42090	%	13%	-	5,472
Total Engineering & Inspection					\$	- \$ 49,812

Permit & Lease Cost

90919K Godfrey, IL FAP 310 Bridge UPRR/IDOT

Description	Capital Qty	Expense Qty	U/M	Rate	Capital Total	Expense Total
Permit Cost						
Actual Permit Fees						
City		1	ea.	250.00	-	250
County		4	ea.	250.00	-	1,000
DOT			ea.		-	-
State			ea.		-	-
Railroad		2	ea.	7,500.00	-	15,000
Federal			ea.		-	-
Environmental			ea.		-	-
Easement					-	-
Associated Permit Cost						
Conduit application fees & make ready			ea.		-	-
Pole application fees & make ready			ea.		-	-
RR Flagman (kansas city southern)		14	day(s)	988.00	-	13,832
RR Service Provider (kansas city southern)		14	day(s)	787.00	-	11,018
County Inspector			day(s)		-	-
City Inspector			hrs		-	-
Other Inspection			hrs		-	-
RR Flagman (uprr)		36	day(s)	1,192.00	-	42,912
RR Coordinator (uprr)		16	day(s)	760.00	-	12,160
Total Permits Cost					\$ -	\$ 96,172
Long Term Lease & Purchase - Capital						
Conduit purchase			ea		-	-
Conduit Lease (long term only - +20 yrs)			ea		-	-
Dark Fiber IRU (long term only - +20 yrs)			ea		-	-
Associated connection/splicing fees			ea		-	-
Total Long Term Lease & Purchase					\$ -	\$ -
Recurring Cost - Expense						
Fiber IRU						
Dark Fiber IRU (short term <20 yrs)			yrs		-	-
Associated connection/splicing fees			ea		-	-
First two years of recurring						
ILEC conduit			ft		-	-
Pole attachment			pole		-	-
Dark fiber maintenance fee			mile		-	-
Recurring Cost - Dark Fiber / Conduit Cost (expense)					\$ -	\$ -

Construction Material & Labor

90919K Godfrey, IL FAP 310 Bridge UPRR/IDOT

	Description	Capital Qty	Expense Qty	U/M	Rate	Capital Total	Expense Total	
Construction Labor								
110	Jack and Dry Bore Conduit(s)			lf		-	-	
210	Place Conduit (1 - 4" GSP)		120	lf	22.00	-	2,640	
213	Rock adder			lf		-	-	
214	Shurry Backfill Adder			lf		-	-	
220	Concrete Encase			lf		-	-	
240	Place handhole		8	ea.	625.00	-	5,000	
250	Place Manhole			ea.		-	-	
270	Remove and Restore Asphalt			sq. ft.		-	-	
280	Remove and Restore Concrete			sq. ft.		-	-	
281	Remove and Restore Sidewalk			sq. ft.		-	-	
310	Attach Conduit to Wall or Structure			lf		-	-	
320	Core Bore			in.		-	-	
410	Place Cable (includes slack coils)		19,300	lf	1.10	-	21,230	
420	Adjust Active Cable Slack			lf		-	-	
520	Place aerial cable			lf		-	-	
526	De-lash aerial cable			lf		-	-	
527	Re-lash aerial cable			lf		-	-	
630	Directional bore		18,300	lf	18.00	-	329,400	
631	Rock Adder Directional bore rock bit			lf		-	-	
632	Rock Adder Directional bore down hole motor			lf		-	-	
710	Place buried cable markers & water crossing signs		20	ea.	75.00	-	1,500	
711	Place Isolator Protection System @ Existing Handholes/Manholes			ea.		-	-	
	Splice Pit		2	ea.	4,500.00	-	9,000	
				ea.		-	-	
				ft.		-	-	
						-	-	
Total Construction Labor						-	368,770	
Splice, Term & Testing Labor (Contract Only)								
	Splice Per Fiber			ea		-	-	
	Splice Crew			day		-	-	
	Install FDB			ea		-	-	
Total Splice, Term & Testing Labor						-	-	
Materials								
Cable	24 Fiber Non Armored Cable Riser Rated			ft.	0.3777	-	-	
	24 Fiber LT Single Mode Armored Cable			ft.	0.2708	-	-	
	48 Fiber LT Single Mode Armored Cable			ft.	0.3847	-	-	
	72 Fiber LT Single Mode Armored Cable			ft.	0.5432	-	-	
	96 Fiber LT Single Mode Armored Cable			ft.	0.6827	-	-	
	144 Fiber LT Single Mode Armored Cable			ft.	0.9858	-	-	
	288 Fiber LT Single Mode Armored Cable			ft.	1.7930	-	-	
	30 Fiber LT Single Mode Armored Cable		20,000	ft.	0.3400	-	6,800	
					ft.		-	-
		Signs, post, hardware		20	ea.	65.00	-	1,300
		Conduit			ft.		-	-
		Warning Tape			ea.		-	-
		Handholes		8	ea.	750.00	-	6,000
		Purchase FDB			ea.		-	-
		Splice Materials Per Splice Location (216 or Larger)			ea.		-	-
	Splice Materials Per Splice Location (216 or smaller)		2	ea.	800.00	-	1,600	
	16-Way LMS Unit			ea.		-	-	
	ACT Units			ea.		-	-	
						-	-	
						-	-	
	Tax & Freight		1	ea.	11.00%	-	1,727	
Total Materials						\$ -	\$ 17,427	
Total Material & Labor						\$ -	\$ 386,197	

Internal Costs

90919K Godfrey, IL FAP 310 Bridge UPRR/IDOT

Description	Capital Qty	Expense Qty	U/M	Rate	Capital Total	Expense Total
<i>Internal Labor</i>						
OSP Engineers		56 hrs		108.00	-	6,048
OPS Inspection (RMOD)		160 hrs		108.00	-	17,280
•OPS Splicing Support		64 hrs		108.00	-	6,912
Documentation		16 hrs		108.00	-	1,728
ROW Labor		hrs		108.00	-	-
					-	-
					-	-
					-	-
					-	-
					-	-
<i>Expenses</i>						
Travel & Expenses (T&E Charges)		5 ea.		565.00	-	2,825
					-	-
					-	-
					-	-
					-	-
					-	-
<i>Miscellaneous</i>						
Other			ea.		-	-
Other			ea.		-	-
					-	-
					-	-
					-	-
					-	-
					-	-
Total Internal Cost					\$ -	\$ 34,793

SUMMARY

90919K Godfrey, IL FAP 310 Bridge UPRR/IDOT

Description	Capital	Expense	Total Project
Engineering	\$ -	\$ 49,812	\$ 49,812 9%
Permit & Lease			
Permit Cost	\$ -	\$ 96,172	\$ 96,172 17%
Long Term Lease & Purchase - Capital	\$ -		
Recurring cost (2 yr cost)		\$ -	
Construction Material & Labor			
Construction Labor	\$ -	\$ 368,770	\$ 368,770 65%
Splice, Term, Testing (Contract Only)	\$ -	-	
Material	\$ -	\$ 17,427	\$ 17,427 3%
Internal Costs	\$ -	\$ 34,793	\$ 34,793 6%
Project Total	\$ -	\$ 566,974	\$ 566,974

MPS Budget Tracking (Desktop Budget) \$	-
---	---

BAR Entry Data

OSP Construction Estimate	SINGLE LATERAL \$ 566,974
Recurring cost & associated connection/processing fees (first 2 years cost)	\$ -

Cost Per Mile	\$ 164,340.20
Cost Per Foot	\$ 31.13

