1/18/80
Richland

THIS AGREEMENT, made this 18th day of January, 19~~79~~ 80, between

SEABOARD COAST LINE RAILROAD COMPANY, a corporation organized and existing under and by virtue of the laws of the State of Virginia, hereinafter called the Railroad, and

SOUTH CAROLINA DEPARTMENT OF HIGHWAYS AND PUBLIC TRANSPORTATION, hereinafter called the Department;

WITNESSETH THAT, in consideration of the mutual undertakings hereinafter set out, the parties agree:

1. GENERAL

The Department shall construct an underpass structure under the track of the Railroad and over and above Interstate 77 and Line 'A' in Richland County 1,097 feet northeast of Milepost S-350 at DENTS, South Carolina. The project shall be constructed as SC File No. 40.796.1 and Federal Aid Project IG-77-1(~~13~~ 36). All work shall be in accordance with plans and special provisions prepared by the Department and Patchen, Mingledorff and Associates and approved by the Railroad.

2. DIVISION OF COSTS

Inasmuch as no benefit will accrue to the Railroad by the construction of this structure the entire cost will be for the account and expense of the Department using Federal funds as may be allocated for this project.

3. DIVISION OF WORK

A. The Department's Contractor will:

1. Do all clearing and grubbing required for the detour track.
2. Construct the roadbed for detour track, including drainage ditches and drainage pipes as required.
3. Furnish and place sub-ballast to grade.
4. Maintain the detour roadbed below top of sub-ballast during the construction period.
5. Excavate to I-77 roadway template at underpass, maintaining $1\frac{1}{2}$:1 slopes for detour track.
6. Construct new underpass structure.
7. Remove detour roadbed, including sub-ballast, ballast and drainage pipes and complete excavation under bridge for I-77. Perform final clean-up.

B. The Railroad (or its Contractor) will:

1. Furnish all necessary flagging service.
2. Make all necessary changes to its communication and signal lines.
3. Furnish the necessary labor, materials and equipment required to construct and maintain the detour tracks above the sub-ballast during the construction period.

3. DIVISION OF WORK cont'd.

4. Do all track work as outlined in the project plans.
5. Any work incident to the construction of said underpass which is necessary, in the judgment of the Railroad for the safety and maintenance of traffic and for the protection of property of the Railroad, may also be performed by the Railroad.

4. SPECIAL INSURANCE

Department will require its contractor engaged to perform this work to furnish Railroad with the special insurance protection contained in the document "Insurance Special Provisions", dated April 1, 1975, prepared by Department and approved by Railroad.

5. CONTRACT SPECIAL PROVISIONS

Department will require its contractor engaged to perform this work to comply with the "Standard Provisions - Railroad Grade Separation Projects", dated February 1, 1967, prepared by Department and approved by Railroad.

6. PUBLIC UTILITIES

If changes in wire or pipe lines or other facilities of any public utility located on the property of Railroad are necessary, such changes shall be made under agreement between any such public utility company and Department without cost to Railroad.

7. RIGHT OF WAY

Railroad, to the extent that its present right, title and interest permits or enables it so to do and without warranty, hereby grants to Department an easement to construct said underpass bridge and approaches thereto, across the right-of-way and under the track of Railroad at the location shown on the project plans in accord with this agreement, plans, specifications and special provisions approved by Department and Railroad.

8. FLAGGING SERVICE

Any flagging service required, when in the opinion of Railroad such service is necessary for the safety of its railroad operations because of work performed by the Department's contractor or in connection therewith, will be provided by Railroad. The requirements are in general the services of two men, whenever the contractor's men or equipment are, or are likely to be, working adjacent to track, or when his work has disturbed or is likely to disturb the surface and alignment of any operated track to such extent that movement of trains should be controlled by flagging. Department will reimburse Railroad directly for all necessary costs incurred for flagging services by Railroad personnel. Any costs above the estimated amount (shown hereafter) will also be borne by Department but will be deducted from progress or final payments made to the contractor if such additional costs are caused by acts of omission,

carelessness or negligence by the contractor. In case where additional flagging is deemed necessary by the Railroad due to the above causes, the Railroad shall immediately notify the Department of such requirement.

The estimated cost of the flagging service is $24,960.00 (itemization attached hereto). Railroad will include the actual cost of such flagging service (including costs in excess of the above estimate that are not attributable to factors within the control of the contractor) in its bill to Department.

9. PAYMENT TO RAILROAD

Railroad will, for account and at the cost and expense of Department provide and furnish labor, equipment and materials necessary therefor to perform the items of work listed in Paragraph 3B and also do and perform any other work incident to the construction of the proposed structure which is not specified or foreseen but which is necessary in the judgment of the representatives of Railroad for safety and maintenance of traffic and for the protection of property of Railroad; it being understood that final payment to Railroad will be in accordance with the applicable rules and regulations as contained in Federal-Aid Highway Program Manual, 1-4-3, dated April 25, 1975, and amendments thereto issued by the Federal Highway Administration. The estimated cost of force account work to be performed by Railroad (not including flagging services, which flagging work is covered in Paragraph 8) is$151,094.00and is itemized as attached. In accordance with Federal-Aid Highway Program Manual, 1-7-2, dated October 21, 1974, Paragraphs 5a and b, cost principles and procedures shall be as set forth in Part 1 - 15 of the Federal Procurement Regulations, as appropriate. When specific Federal Highway Administration reimbursement policy differs from Federal Procurement Regulations, the Federal Highway Administration policy shall apply.

10. INVOICES

The Railroad may render invoices to the Department at the end of each month for work performed during the month less the agreed value of any salvaged materials to be utilized by the Railroad and the Department will pay such invoices within thirty days after receipt. The Railroad and its subcontractors shall keep and preserve all books, documents, papers, accounting records, and other evidence pertaining to cost incurred and to make such materials available at their respective offices at reasonable times during the contract period and for three years from the date of final payment under the contract, for inspection by the Department, Federal Highway Administration, or any authorized representative of the Federal Government and copies thereof shall be furnished, if requested.

11. MAINTENANCE

The Railroad will maintain its track, roadbed, side slopes, ditches, drainage structures and the portion of the underpass above the top of the bent caps and the end abutments all without cost to the Department after acceptance of the project by the Railroad and the Department from the contractor.

The Department will maintain its roadway, drainage, and also the interior bents of the underpass. The Department will notify the Railroad before attempting any repairs which might possibly be hazardous to railroad operations so that Railroad representatives may approve the methods to be used.

Before placing or painting upon the underpass any signs or symbols bearing the name of the Railroad or any slogan or other advertising matter, the Railroad shall submit to the Department a plan of the proposed sign or symbol and shall obtain approval before placing or painting said sign or symbol on the underpass.

12. COMPLIANCE WITH CIVIL RIGHTS ACT

Railroad agrees to the attached (Appendix A) "Notice to Contractors, Compliance with Title VI of the Civil Rights Act of 1964 for Federal-Aid Contracts", dated December 4, 1970.

IN WITNESS WHEREOF, the parties hereto have set their hands and seals as of the date first mentioned herein.

ATTEST:

ASSISTANT SECRETARY

SEABOARD COAST LINE RAILROAD COMPANY

By: Assistant Vice President

WITNESSES:

"As to Railroad"

ATTEST:

SOUTH CAROLINA DEPARTMENT OF HIGHWAYS AND PUBLIC TRANSPORTATION

By: State Highway Engineer

WITNESSES:

"As to Department"

APPROVED:

Chief Commissioner

NOTICE TO CONTRACTORS
COMPLIANCE WITH TITLE VI OF THE CIVIL RIGHTS ACT OF 1964
FOR
FEDERAL-AID CONTRACTS

During the performance of this contract, the contractor, for itself, its assignees and successors in interest (hereinafter referred to as the "contractor"), agrees as follows:

(1) Compliance with Regulations: The contractor will comply with the Regulations of the Department of Transportation relative to nondiscrimination in Federally-assisted programs of the Department of Transportation (Title 49, Code of Federal Regulations, Part 21, hereinafter referred to as the Regulations), which are herein incorporated by reference and made a part of this contract.

(2) Nondiscrimination: The contractor, with regard to the work performed by it after award and prior to completion of the contract work, will not discriminate on the ground of race, color, or national origin in the selection and retention of subcontractors, including procurements of materials and leases of equipment. The contractor will not participate either directly or indirectly in the discrimination prohibited by Section 21.5 of the Regulations, including employment practices when the contract covers a program set forth in Appendix B of the Regulations.

(3) Solicitations for Subcontracts, Including Procurements of Materials and Equipment: In all solicitations, either by competitive bidding or negotiation made by the contractor for work to be performed under a subcontract, including procurements of materials or equipment, each potential subcontractor or supplier shall be notified by the contractor of the contractor's obligations under this contract and the Regulations relative to nondiscrimination on the ground of race, color or national origin.

(4) Information and Reports: The contractor will provide all information and reports required by the Regulations, or orders and instructions issued pursuant thereto, and will permit access to its books, records, accounts, other sources of information, and its facilities as may be determined by the State Highway Department or the Federal Highway Administration to be pertinent to ascertain compliance with such Regulations, orders and instructions. Where any information required of a contractor is in the exclusive possession of another who fails or refuses to furnish this information, the contractor shall so certify to the State Highway Department, or the Federal Highway Administration as appropriate, and shall set forth what efforts it has made to obtain the information.

(5) Sanctions for Noncompliance: In the event of the contractor's noncompliance with the nondiscrimination provisions of this contract, the State Highway Department shall impose such contract sanctions

as it or the Federal Highway Administration may determine to be appropriate, including, but not limited to,

(a) withholding of payments to the contractor under the contract until the contractor complies, and/or

(b) cancellation, termination or suspension of the contract, in whole or in part.

(6) Incorporation of Provisions: The contractor will include the provisions of paragraph (1) through (6) in every subcontract, including procurements of materials and leases of equipment, unless exempt by the Regulations, order, or instructions issued pursuant thereto. The contractor will take such action with respect to any subcontract or procurement as the State Highway Department or the Federal Highway Administration may direct as a means of enforcing such provisions including sanctions for noncompliance: Provided, however, that, in the event a contractor becomes involved in, or is threatened with, litigation with a subcontractor or supplier as a result of such direction, the contractor may request the State to enter into such litigation to protect the interests of the State, and, in addition, the contractor may request the United States to enter into such litigation to protect the interests of the United States.

SEABOARD COAST LINE RAILROAD COMPANY

TO: South Carolina Department of Highways and Public Transportation
PROJECT: SC File 40.796.1, FAP IG-77-1 (13)
LOCATION: Dents, S.C.
SCL MILE POST: S-349.8
DESCRIPTION: Proposed construction of Underpass Route I-77

WATCHMAN AND FLAGGING SERVICE:

Foreman-Inspector - Base Pay per Month	$ 1,561.51
Surcharges (47.05)*	734.73
Contingencies (10%)	229.62
Total per Month	$ 2,525.86
Total per day based on 21-3/4 days/month	116.13
Board and lodging per day (estimated)	20.00
	$ 136.13
	$ 136.00 even
Estimated Number of Man-Days - 180 x $136=	24,480.00
Supplemental Annuity @ 12.5¢ per compensated man-hour - .125 x 8 x 180 days=	180.00
Installation and removal of telephone booth (if needed)	$ 300.00
TOTAL	$24,960.00

*Allowable percentages (typical example using FHWA PM 101.1.4.3)

Gross wages	$100.00
Vacation allowance 7.25%	7.25
Holiday allowance 3.50%	3.50
Health and Welfare allowance 6.20%	6.20
RR & UI Taxes 23.30% on $110.75	25.81
Workmen's Compensation Self Insurance 3% on $107.25	3.22
Public Liability and Property Damage Self Insurance 1% on $107.25	1.07
	$147.50

NOTE: Please bear in mind that the extent of time and total cost of watchman and flagging service is subject to great fluctuations and can be controlled to some degree by close coordination of contractor for Department and Railroad, surveillance by Department's inspector on project, as well as other factors beyond the control of the Railroad.

Office of Assistant Vice President-Engineering
SCL RR Company
Jacksonville, Florida 32202
Date: 10-24-79

Rev. 7-1-79

SEABOARD COAST LINE RAILROAD COMPANY

To: South Carolina State Highway Department
Project Ref: 1G-77-1(13) File No. 40.796.1
Location: Dents, S. C. County Richland
SCL Mile Post: S-349.8
Route: Interstate 77
Description: Rearrange signal facilities account construction of I-77 underpass.

	Estimated Cost			
Material Cost	$8,122			
Sales Tax	325			
Handling	406			
Transportation to Project	92			
Total Material Cost	8,945			
Credit for Released Material				
Net Material Cost			8,945	
Engineering		420.		
Plus Composite Additive		232.		
Total Engineering			652.	
Construction Labor		4,200		
Plus Composite Additive		1,982		
Total Construction Labor			6,182.	
Supplemental Annuity on Labor			84.	
Meal Allowance and Lodging			1,104.	
Transportation of Equipment to Project			120.	
Equipment Rental			480.	
Traffic Control Devices (Construction)				
Estimated Material and Labor Cost				17,567.
Contingencies				833.
Total Estimated Cost				18,400
Outside Party Estimated Cost				18,400.

Office of Chief Engineer Communications and Signals

Jacksonville, Fla. Date: 4/27/78
Rev. 8/7/79

SEABOARD COAST LINE RAILROAD COMPANY

To: South Carolina State Highway Department
Project Ref.: IG-77-1(13) File No. 40.796.1 County: Richland
Location: Dents, S. C.
SCL Mile Post: S-349.8
Route: I-77
Description: Rearrange signal facilities account construction of I-77 underpass.

Estimate of Signal Material and Cost

Temporary Material:

2 ea. - Junction Box 6 way	$ 174.
5,200 ft. - Cable Code 4 CDR (2C#10-2C#12)	2,767
160 Ea. - Bond, Cadweld Type TAB 7	166.
Miscellaneous Material	311.
Estimated Cost of Material for Temporary Work	3,418.

Permanent Material

2 Ea. - Batteries 1 cell ST-3	115.
2 Ea. - Junction Box 6 way	174.
5,200 ft. - Cable 4 cdr. (2#10-2#12)	2,767.
160 Ea. Bond, Cadweld Type TAB 7	166.
20 lengths - Pipe 3"	1,054.
Misc. Material	428.
Estimated cost of Material for Permanent Work	$ 4,704.
Labor for Temporary Work 3 Gang Days @ $700.	2,100.
Labor for Permanent Work 3 Gang Days @ $700.	2,100

Office of Chief Engineer Communications and Signals

Jacksonville, Fla. Date: 4/28/78
Rev. 8/7/79

SEABOARD COAST LINE RAILROAD COMPANY

To: South Carolina State Highway Department
Project Ref. 1G-77-1(13) File No. 40.796.1 County: Richland
Location: Dents, S. C.
SCL Mile Post: S-349.8
Route: Interstate 77
Description: Rearrange communication pole line account I-77 underpass construction.

Estimated Cost

Material Cost	$3,628			
Sales Tax	145			
Handling	184			
Transportation to Project	60			
Total Material Cost		4,017		
Credit for Released Material		170		
New Material Cost			3,847	
Engineering		200		
Plus Composite Additive		109		
Total Engineering			309	
Construction Labor		1,320		
Plus Composite Additive		620		
Total Construction Labor			1,940	
Supplemental Annuity on Labor			24	
Meal Allowance and Lodging			60	
Transportation of Equipment to Project			144	
Equipment Rental			192	
Estimated Material and Labor Cost				6,516
Contingencies				319
Total Estimated Cost				6,835
Outside Party Estimated Cost				5,800

Office of Chief Engineer Communications and Signals

Jacksonville, Fla. Date 4-28-78
Rev. 8-24-79

SEABOARD COAST LINE RAILROAD COMPANY

To: South Carolina State Highway Department
Project Ref.: IG-77-1(13) File No. 40.796.1 County: Richland
Location: Dents, S. C.
SCL Mile Post: S-349.8
Route: Interstate 77
Description: Rearrange communication pole line account construction of I-77 underpass.

Estimate of Signal Material and Cost

Material for Temporary Changes

650' - Cable 9C#14	$ 746.

Material for Permanent Changes

650' - Underground Cable 9C#14	746.
2 - Filters	977.
4 - Crossarms	35.
1 - Pole 30'	70.
2 - Anchors	20.
360' - 2" Conduit	493.
100' - Guy wire	19.
2 - Line Boxes 9"X12"	282.
Misc. Material	240.
Estimated Cost of Mtl. for Permanent Changes	$2,882.

Material Released

130 lbs. copper wire	$150.
Misc.	20.
Total Credit for Released Material	$170.

Labor for Temporary Work	$720.
Labor for Permanent Work	$600.

Form 3560 E
Rev. 3 1 75

DESCRIPTION OF PROJECT. Estimated cost to Construct Run-around track Near Waddell, S.C. MP 5-349.8 and Remove Mainline track over I-77 and Replace when overpass is complete and Remove Run-around Track. Estimate Not Good after Dec. 1980

OSP.

DETAIL OF ESTIMATE 11-29-79

Quantity		Item	Unit Price	Total Cost
	C. Y.	Grading By OSP	$	$
	Acres	Clearing & Grubbing By OSP		
	L. F.	Pipe By OSP		
		Sub Ballast By OSP		
	Sets	Switch Ties MBM		
1	Ea	Truck Rental		970
1187	Each	Cross Ties Main line	16 00	18992
79.925	Net Tons Rail	115# Jointed Relay 4170 LF	379 00	30292
	Net Tons Rail	#		
68	Pair	Anglebars 115# Relay	43 00	2924
	Pair	Anglebars #		
	Each	Compromise Joints		
	Each	Turnouts Metal # — #		
	Each	Turnouts Metal # — #		
2374	Each	Tie Plates Relay 7¾ x 13	3 32	7882
		Fastening 4 Kg Bolts New	131 00	524
20	Kg	Track Spikes 5/8 x 6 New	70 00	1400
2050	C. Y.	Ballast	4 00	8200
970	Ea.	Rail Anchors New	95	922
* 2080	L. F.	Track Laying & Surfacing	8 00	16640
	Each	Labor Placing Turnouts		
16	Ea	Welds in Place	150 00	2400
* 2050	C. Y.	Labor Placing Ballast	1 00	2050
	L. F.	Labor Relaying Track		
	Each	Labor Relaying Turnouts		
* 1320	LF	Labor Lining Track over	6 00	7920
* 1320	LF	" " " Back	6 00	7920
* 2080	LF	" Removing "	6 00	12480
* 520	LF	" " Track over overpass	6 00	3120
* 520	LF	" To Replace Track over overpass	8 00	4160
*		Labor overhead 47.5%		25788
		Inflationary spiral 5% Labor Each Grp.		8208
		4% Material " " "		6080
		Signal Cost Not Included		
		ENGINEERING AND CONTINGENCIES 10%		16888
		GROSS COST		$185760

Prepared By: DBP III Checked By:

Form 3560 E
Rev. 3-1-75

DESCRIPTION OF PROJECT. SALVAGE

DETAIL OF ESTIMATE

Quantity	Item	Unit Price		Total Cost
	C. Y. Grading	$		$
	Acres Clearing & Grubbing			
	L. F. Pipe			
	Sets Switch Ties MBM			
1187	Each Cross Ties Main line	13	60	16143
79.925	Net Tons Rail 115# Jointed Rail Relay	341	10	27263
	Net Tons Rail #			
68	Pair Anglebars 115# Relay	38	70	2631
	Pair Anglebars #			
	Each Compromise Joints			
	Each Turnouts Metal # – #			
	Each Turnouts Metal # – #			
2374	Each Tie Plates Relay 7 3/4 x 13	2	98	7093
	Fastening 4 Kg Bolts	117	90	471
970	Ea. Rail Anchors		85	824
	C. Y. Ballast			
	L. F. Track Laying & Surfacing			
	Each Labor Placing Turnouts			
	C. Y. Labor Placing Ballast			
	L. F. Labor Relaying Track			
	Each Labor Relaying Turnouts			
Inflationary spiral 4% Material Each 6 Month				4441

ENGINEERING AND CONTINGENCIES

GROSS COST $ 58866

Prepared By: DBP III Checked By:

FHWA Approved Copy

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A. The Department's Contractor will:

1. Do all clearing and grubbing required for the detour track.
2. Construct the roadbed for detour track, including drainage ditches and drainage pipes as required.
3. Furnish and place sub-ballast to grade.
4. Maintain the detour roadbed below top of sub-ballast during the construction period.
5. Excavate to I-77 roadway template at underpass, maintaining $1\frac{1}{2}$:1 slopes for detour track.
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ASSISTANT SECRETARY

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By: Assistant Vice President

WITNESSES:

"As to Railroad"

ATTEST:

SOUTH CAROLINA DEPARTMENT OF HIGHWAYS AND PUBLIC TRANSPORTATION

By: State Highway Engineer

WITNESSES:

"As to Department"

APPROVED:

Chief Commissioner

APPROVED: Feb. 14, 1980
B. G. CLOYD, Division Administrator
By:
FEDERAL HIGHWAY ADMINISTRATION

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(2) Nondiscrimination: The contractor, with regard to the work performed by it after award and prior to completion of the contract work, will not discriminate on the ground of race, color, or national origin in the selection and retention of subcontractors, including procurements of materials and leases of equipment. The contractor will not participate either directly or indirectly in the discrimination prohibited by Section 21.5 of the Regulations, including employment practices when the contract covers a program set forth in Appendix B of the Regulations.

(3) Solicitations for Subcontracts, Including Procurements of Materials and Equipment: In all solicitations, either by competitive bidding or negotiation made by the contractor for work to be performed under a subcontract, including procurements of materials or equipment, each potential subcontractor or supplier shall be notified by the contractor of the contractor's obligations under this contract and the Regulations relative to nondiscrimination on the ground of race, color or national origin.

(4) Information and Reports: The contractor will provide all information and reports required by the Regulations, or orders and instructions issued pursuant thereto, and will permit access to its books, records, accounts, other sources of information, and its facilities as may be determined by the State Highway Department or the Federal Highway Administration to be pertinent to ascertain compliance with such Regulations, orders and instructions. Where any information required of a contractor is in the exclusive possession of another who fails or refuses to furnish this information, the contractor shall so certify to the State Highway Department, or the Federal Highway Administration as appropriate, and shall set forth what efforts it has made to obtain the information.

(5) Sanctions for Noncompliance: In the event of the contractor's noncompliance with the nondiscrimination provisions of this contract, the State Highway Department shall impose such contract sanctions

as it or the Federal Highway Administration may determine to be appropriate, including, but not limited to,

(a) withholding of payments to the contractor under the contract until the contractor complies, and/or

(b) cancellation, termination or suspension of the contract, in whole or in part.

(6) Incorporation of Provisions: The contractor will include the provisions of paragraph (1) through (6) in every subcontract, including procurements of materials and leases of equipment, unless exempt by the Regulations, order, or instructions issued pursuant thereto. The contractor will take such action with respect to any subcontract or procurement as the State Highway Department or the Federal Highway Administration may direct as a means of enforcing such provisions including sanctions for noncompliance: Provided, however, that, in the event a contractor becomes involved in, or is threatened with, litigation with a subcontractor or supplier as a result of such direction, the contractor may request the State to enter into such litigation to protect the interests of the State, and, in addition, the contractor may request the United States to enter into such litigation to protect the interests of the United States.

SEABOARD COAST LINE RAILROAD COMPANY

TO: South Carolina Department of Highways and Public Transportation
PROJECT: SC File 40.796.1, FAP IG-77-1 (13)
LOCATION: Dents, S.C.
SCL MILE POST: S-349.8
DESCRIPTION: Proposed Construction of Underpass Route I-77

WATCHMAN AND FLAGGING SERVICE:

Foreman-Inspector - Base Pay per Month	$ 1,561.51
Surcharges (47.05)*	734.73
Contingencies (10%)	229.62
Total per Month	$ 2,525.86
Total per day based on 21-3/4 days/month	116.13
Board and lodging per day (estimated)	20.00
	$ 136.13
	$ 136.00 even
Estimated Number of Man-Days - 180 x $136=	24,480.00
Supplemental Annuity @ 12.5¢ per compensated man-hour - .125 x 8 x 180 days=	180.00
Installation and removal of telephone booth (if needed)	$ 300.00
TOTAL	$24,960.00

*Allowable percentages (typical example using FHWA PM 101.1.4.3)

Gross wages	$100.00
Vacation allowance 7.25%	7.25
Holiday allowance 3.50%	3.50
Health and Welfare allowance 6.20%	6.20
RR & UI Taxes 23.30% on $110.75	25.81
Workmen's Compensation Self Insurance 3% on $107.25	3.22
Public Liability and Property Damage Self Insurance 1% on $107.25	1.07
	$147.50

NOTE: Please bear in mind that the extent of time and total cost of watchman and flagging service is subject to great fluctuations and can be controlled to some degree by close coordination of contractor for Department and Railroad, surveillance by Department's inspector on project, as well as other factors beyond the control of the Railroad.

Office of Assistant Vice President-Engineering
SCL RR Company
Jacksonville, Florida 32202
Date: 10-24-79

Rev. 7-1-79

SEABOARD COAST LINE RAILROAD COMPANY

To: South Carolina State Highway Department
Project Ref: IG-77-1(13) File No. 40.796.1
Location: Dents, S. C. County Richland
SCL Mile Post: S-349.8
Route: Interstate 77
Description: Rearrange signal facilities account construction of I-77 underpass.

	Estimated Cost			
Material Cost	$8,122			
Sales Tax	325			
Handling	406			
Transportation to Project	92			
Total Material Cost	8,945			
Credit for Released Material				
Net Material Cost			8,945	
Engineering		420.		
Plus Composite Additive		232.		
Total Engineering			652.	
Construction Labor		4,200		
Plus Composite Additive		1,982		
Total Construction Labor			6,182.	
Supplemental Annuity on Labor			84.	
Meal Allowance and Lodging			1,104.	
Transportation of Equipment to Project			120.	
Equipment Rental			480.	
Traffic Control Devices (Construction)				
Estimated Material and Labor Cost				17,567.
Contingencies				833.
Total Estimated Cost				18,400
Outside Party Estimated Cost				18,400.

Office of Chief Engineer Communications and Signals

Jacksonville, Fla. Date: 4/27/78
Rev. 8/7/79

SEABOARD COAST LINE RAILROAD COMPANY

To: South Carolina State Highway Department
Project Ref.: IG-77-1(13) File No. 40.796.1 County: Richland
Location: Dents, S. C.
SCL Mile Post: S-349.8
Route: I-77
Description: Rearrange signal facilities account construction of I-77 underpass.

Estimate of Signal Material and Cost

Temporary Material:

2 ea. - Junction Box 6 way	$ 174.
5,200 ft. - Cable Code 4 CDR (2C#10-2C#12)	2,767
160 Ea. - Bond, Cadweld Type TAB 7	166.
Miscellaneous Material	311.
Estimated Cost of Material for Temporary Work	3,418.

Permanent Material

2 Ea. - Batteries 1 cell ST-3	115.
2 Ea. - Junction Box 6 way	174.
5,200 ft. - Cable 4 cdr. (2#10-2#12)	2,767.
160 Ea. Bond, Cadweld Type TAB 7	166.
20 lengths - Pipe 3"	1,054.
Misc. Material	428.
Estimated cost of Material for Permanent Work	$ 4,704.
Labor for Temporary Work 3 Gang Days @ $700.	2,100.
Labor for Permanent Work 3 Gang Days @ $700.	2,100

Office of Chief Engineer Communications and Signals

Jacksonville, Fla. Date: 4/28/78
Rev. 8/7/79

SEABOARD COAST LINE RAILROAD COMPANY

To: South Carolina State Highway Department
Project Ref. IG-77-1(13) File No. 40.796.1 County: Richland
Location: Dents, S. C.
SCL Mile Post: S-349.8
Route: Interstate 77
Description: Rearrange communication pole line account I-77 underpass construction.

Estimated Cost

Material Cost	$3,628			
Sales Tax	145			
Handling	184			
Transportation to Project	60			
Total Material Cost		4,017		
Credit for Released Material		170		
New Material Cost			3,847	
Engineering		200		
Plus Composite Additive		109		
Total Engineering			309	
Construction Labor		1,320		
Plus Composite Additive		620		
Total Construction Labor			1,940	
Supplemental Annuity on Labor			24	
Meal Allowance and Lodging			60	
Transportation of Equipment to Project			144	
Equipment Rental			192	
Estimated Material and Labor Cost				6,516
Contingencies				319
Total Estimated Cost				6,835
Outside Party Estimated Cost				5,800

Office of Chief Engineer Communications and Signals

Jacksonville, Fla. Date 4-28-78
Rev. 8-24-79

SEABOARD COAST LINE RAILROAD COMPANY

To: South Carolina State Highway Department
Project Ref.: IG-77-1(13) File No. 40.796.1 County: Richland
Location: Dents, S. C.
SCL Mile Post: S-349.8
Route: Interstate 77
Description: Rearrange communication pole line account construction of I-77 underpass.

Estimate of Signal Material and Cost

Material for Temporary Changes

650' - Cable 9C#14	$ 746.

Material for Permanent Changes

650' - Underground Cable 9C#14	746.
2 - Filters	977.
4 - Crossarms	35.
1 - Pole 30'	70.
2 - Anchors	20.
360' - 2" Conduit	493.
100' - Guy wire	19.
2 - Line Boxes 9"X12"	282.
Misc. Material	240.
Estimated Cost of Mtl. for Permanent Changes	$2,882.

Material Released

130 lbs. copper wire	$150.
Misc.	20.
Total Credit for Released Material	$170.
Labor for Temporary Work	$720.
Labor for Permanent Work	$600.

Form 3560 E
Rev. 3 1 75

DESCRIPTION OF PROJECT. Estimated cost to Construct Run-around track Near Waddell, S.C. MP 5-349.8 and Remove Mainline track over I-77 and Replace when overpass is complete and Remove Run-around Track. Estimate Not Good after Dec. 1980

DETAIL OF ESTIMATE 11-29-79

O.S.P.

Quantity		Item	Unit Price	Total Cost
	C. Y.	Grading By OSP	$	$
	Acres	Clearing & Grubbing By OSP		
	L. F.	Pipe By OSP		
		Sub Ballast By OSP		
	Sets	Switch Ties MBM		
1	Ea	Truck Rental		970
1187	Each	Cross Ties Main line	16 00	18992
79.925	Net Tons Rail	115# painted Relay 4170 LF	379 00	30292
	Net Tons Rail	#		
68	Pair	Anglebars 115# Relay	43 00	2924
	Pair	Anglebars #		
	Each	Compromise Joints		
	Each	Turnouts Metal # - #		
	Each	Turnouts Metal # - #		
2374	Each	Tie Plates Relay 7 3/4 X 13	3 32	7882
		Fastening 4 Kg Bolts New	131 00	524
20	Kg	Track Spikes 5/8 X 6 New	70 00	1400
2050	C. Y.	Ballast	4 00	8200
970	Ea.	Rail Anchors New	95	922
* 2080	L. F.	Track Laying & Surfacing	8 00	16640
	Each	Labor Placing Turnouts		
16	Ea	Welds in Place	150 00	2400
* 2050	C. Y.	Labor Placing Ballast	1 00	2050
	L. F.	Labor Relaying Track		
	Each	Labor Relaying Turnouts		
* 1320	LF	Labor Lining Track over	6 00	7920
* 1320	LF	" " " Back	6 00	7920
* 2080	LF	" Removing "	6 00	12480
* 520	LF	" " Track over overpass	6 00	3120
* 520	LF	" To Replace Track over overpass	8 00	4160
*		Labor overhead 47.5%		25788
		Inflationary spiral 5% Labor Each Grp.		8208
		4% Material " " "		6080
		Signal Cost Not Included		
		ENGINEERING AND CONTINGENCIES 10%		16888
		GROSS COST		$185760

Prepared By: DBP III Checked By:

Form 3560 E
Rev. 3-1-75

DESCRIPTION OF PROJECT. SALVAGE

DETAIL OF ESTIMATE

Quantity		Item	Unit Price		Total Cost
	C. Y.	Grading	$		$
	Acres	Clearing & Grubbing			
	L. F.	Pipe			
	Sets	Switch Ties MBM			
1187	Each	Cross Ties Main line	13	60	16143
79.925	Net Tons	Rail 115# Jointed Rail Relay	341	10	27263
	Net Tons	Rail #			
68	Pair	Anglebars 115# Relay	38	70	2631
	Pair	Anglebars #			
	Each	Compromise Joints			
	Each	Turnouts Metal # – #			75 PA
	Each	Turnouts Metal # – #			
2374	Each	Tie Plates Relay 7 3/4 x 13	2	98	7093
		Fastening 4 Kg Bolts	117	90	471
970	Ea.	Rail Anchors		85	824
	C. Y.	Ballast			
	L. F.	Track Laying & Surfacing			
	Each	Labor Placing Turnouts			
	C. Y.	Labor Placing Ballast			
	L. F.	Labor Relaying Track			
	Each	Labor Relaying Turnouts			
Inflationary spiral 4% Material Each 6 Month					4441

ENGINEERING AND CONTINGENCIES

GROSS COST $ 58866

Prepared By: DBP III Checked By: