

UPPER MERION TRANSPORTATION AUTHORITY
October 09, 2019
7:00 p.m.

AGENDA

1. PLEDGE OF ALLEGIANCE
2. ATTENDANCE
3. APPROVAL OF MEETING MINUTES: September 11, 2019
4. NEW BUSINESS
5. EXECUTIVE SECRETARY'S REPORT
6. ENGINEER'S REPORT
7. SOLICITOR'S REPORT
8. FINANCIAL REPORT
9. REQUISITION APPROVALS: October 09, 2019 in the amount of \$7,754.17
11. ADJOURNMENT

**UPPER MERION TRANSPORTATION AUTHORITY
SEPTEMBER 11, 2019**

The members of the Upper Merion Transportation Authority met for their reorganization and regular meeting on Wednesday, September 11, 2019 in the Township Building, 175 West Valley Forge Road, King of Prussia, PA. The meeting was called to order at 7:05 p.m. and commenced with the pledge of allegiance.

MOMENT OF SILENCE FOR SEPTEMBER 11th

A moment of silence was observed for September 11th.

ATTENDANCE

Tom Kohler, Chairman
Lou Zotti, Vice-Chairman
Carlton Stuart, Secretary (via phone)
Marvin Meneeley, Treasurer
Andrew Bahmueller, Assistant Secretary/Treasurer
Anthony Hamaday, Executive Secretary
Greg Philips, BOS Liaison
Missy Morales, Staff Liaison
Geoff Hickman, Director of Public Works
Noah Marlier, Hamburg, Rubin, Mullin, Maxwell & Lupin, PC
Jack Smyth, Jr., P.E., Consulting Engineers, Boles Smyth Associates, Inc., (BSA)

Absent: Nicholas Hiriak, Director of Finance

NEW BUSINESS

Appoint Noah Marlier from Hamburg, Rubin, Mullin, Maxwell & Lupin, PC – Authority Solicitor
Mr. Marlier switched firms and the Board agreed to retain Mr. Marlier at the same rate they were paying Rudolph and Clarke for the remainder of this year. The authority welcomed Mr. Marlier back to the Authority.

Authority Action:

It was moved by Mr. Zotti, seconded by Mr. Bahmueller, all voting “Aye” to appoint Noah Marlier as Solicitor for the Authority for the remainder of the year. None opposed. Motion approved 5-0.

MEETING MINUTES APPROVAL:

It was moved by Mr. Meneeley, seconded by Mr. Stuart, all voting “Aye” to approve the meeting minutes of August 14, 2019 as submitted. None opposed. Motion approved 5-0.

Motion to Approve Permanent Authorization for the Chairman to Execute Contract Time Extensions for Consultant Agreements When There is No Additional Change to the Agreement

Authority Action:

It was moved by Mr. Bahmueller, seconded by Mr. Zotti, all voting "Aye" to approve Permanent Authorization for the Chairman to Execute Contract Time Extensions for Consultant Agreements When There is No Additional Change to the Agreement. One abstention from Mr. Kohler. None opposed. Motion approved 4-0.

EXECUTIVE SECRETARY'S REPORT- None.

ENGINEER'S REPORT

Relocated North Gulph Road, SR 0023 Section 2NG (Including Granite Block Restoration at Valley Forge Monument)

Mr. Smyth stated the next status meeting will be held in October. The environmental clearance is being wrapped up for preliminary engineering as well as the Safety Review. It was also noted that PennDOT's environmental leader Monica Howard is working with us to get a no effect no adverse effect determination on a masonry culvert to allow the project to move forward. Ongoing coordination with the utility companies. Clearance was received for the granite curb and there will be a meeting with the National Park service to see if they have any of these granite curbs stored somewhere. The project is about to go into final design. Once it is in final design is should move quickly to get out to bid.

SR 0023, Section TCB – PA 23 Trout Creek Bridge

Mr. Smyth stated that the project is coming to the end of the Safety Review phase. It is a planned advertisement project that is going to be advertised soon for final design. The Safety Review and the Environmental Clearance are two last pieces that are nearing the end and then it will be put out by PennDOT to the consultant community for final design. Once it is put out to PennDOT, they will take over the project completely, fees included. It was noted that one of the biggest things for this project is the utility relocations.

Church Road Bridge over SEPTA Route 100 Line

Mr. Smyth stated that the review of the Reimbursement Agreement was received back from PennDOT. There was one clause they want to add in regards to a CF4 citing that they require to see in a Reimbursement Agreement which was added. Mr. Smyth stated he would forward the agreement to Mr. Marlier tomorrow. Once it is approved by Mr. Marlier and SEPTA, it is ready for signature. Included is Exhibit A which is the final structure plans of the bridge itself. After the plans are signed by PennDOT's bridge engineer, the exhibit can be updated with the signed plans. This will result in the SEPTA Reimbursement Agreement. The railroad certification form can then be submitted along with the executed Reimbursement Agreement. The D-419 Utility Clearance will then be able to be submitted as well. The CE Reevaluation is in environmental manager review and should be done any day now. The traffic control is also pending. Mr. Hickman mentioned that the SEPTA is undertaking a sinkhole remediation project right near the bridge. It has been put out to bid and should be done no later than mid-February. The construction phase services contract was approved by action in March and after some comments were addressed in regards to overhead rates and for subconsultant, it was resubmitted.

Prince Frederick Extension (PFE)

Continued coordination with the development team on the Glasgow Tract development team in regards to having the boulevard as it connects to Route 202 and Saulin Boulevard. Chester Valley Trail is still tracking to be going out to bid in the next month to six weeks and then getting a Notice to Proceed towards the end of the year.

Potential New PA Turnpike Interchange at Henderson Road

DVRPC is finishing up their No Build projections for Henderson Road and starting to get into the Build projections for Potential Henderson Road Interchange. Mr. Smyth noted Mr. Matthew Edmond from the Montgomery County Planning Commission, had been in a meeting with SEPTA in regards to the Route 100 Extension and saw that the designs of both were conflicting as it currently stood and so there was a meeting regarding this issue with the County and with SEPTA. Mr. Smyth raised the question whether or not the Authority would authorize to update the concept design to reflect the change because DVRPC needs that in order to continue their forecast modeling on the Build Alternative.

SOLICITOR'S REPORT- None.

FINANCIAL REPORT

Ms. Morales reported, on behalf of Mr. Hiriak, the escrow was returned to Realen on August 20, 2019 in the amount of \$670,232.00. The accrued interest of \$9,371.62 was not returned since the resolution did not mention it. The PIB Loan payment #7 was issued to the Commonwealth of Pennsylvania on August 28, 2019 in the amount of \$382,053.44. This amount is also listed on the requisitions for documentation purposes. There are three payments left, one for 2020, 2021 and 2022 until the debt is paid off. Mr. Hamaday stated the accrued interest is still in escrow.

REQUISITIONS – September 11, 2019

Boles, Smyth Assoc., Inc.	\$ 3,193.35	Relocation of North Gulph Road (SR 3039) for work Performed 7-1-19 thru 7-31-19 INVOICE #68
Boles, Smyth Assoc., Inc.	\$ 2,260.27	Trout Creek Bridge Replacement Project for work performed for the Period 7-1-19 thru 7-31-19 INVOICE #41
Commonwealth of PA	\$ 382,053.44	PIB Loan for 2018 payment #7 of 10
Upper Merion Township	\$ 345.08	Reimbursement for 2018 audit advertising
Rudolph Clarke, LLC	\$ 310.50	Church Rd Bridge INVOICE #72741
Rudolph Clarke, LLC	\$ 418.50	Realen INVOICE #72312
Rudolph Clarke, LLC	\$ 459.00	General representation INVOICE #72743
TOTAL:	\$389,040.14	

Authority Action:

It was moved by Mr. Kohler, seconded by Mr. Meneeley, all voting "Aye" to approve the September 11, 2019 requisitions in the amount of \$389,040.14. None opposed. Motion approved 4-0.

ADDITIONAL BUSINESS - None.

ADJOURNMENT

There being no further business to come before the Authority, the meeting adjourned at 8:00 p.m.

THOMAS KOHLER
CHAIRMAN

mm

Minutes Approved:

Minutes Entered:

**UPPER MERION TRANSPORTATION AUTHORITY
REQUISITIONS FOR OCTOBER 9, 2019**

PAYEE	AMOUNT	DESCRIPTION
Boles, Smyth Assoc.	\$ 6,468.06	Relocation of North Gulph Road (SR 3039) for Period 8-1-19 thru 8-31-2019 Invoice #69
Boles, Smyth Assoc.	\$ 1,286.11	Trout Creek Bridge Replacement Project for Period 8-1-19 thru 8-31-2019 Invoice #42

TOTAL: \$ 7,754.17



Boles, Smyth Associates, Inc.
Consulting Civil Engineers Since 1972

September 30, 2019

Upper Merion Transportation Authority
175 W. Valley Forge Road
King of Prussia, PA 19406

Attn: Mr. Nick Hiriak

Re: Local Agreement No. 164228
Montgomery County
Relocation of North Gulph Road (SR 3039)
Upper Merion Township

Sub: Transmittal of Invoice #69
Tracking No. 2019-09-172-61.03

Dear Nick:

We are herewith transmitting one (1) copy of Invoice #69 for the Relocation of North Gulph Road (SR 3039) in Upper Merion Township for work performed for the period August 1, 2019 through August 31, 2019.

If you have any questions about this submission, please contact me. Thank you.

Very truly yours,

A handwritten signature in blue ink that reads "Michael C. Boles".

Michael C. Boles

MCB:slg

Enclosures

ESTIMATED PROGRESS REPORT - COST PLUS FIXED FEE AGREEMENT

Agreement No. 164228-A
 District 6-0 County Montgomery
 S. R. 0023 Section 2NG
 Estimate No. 69
 Estimate Period From 8/1/19 To 8/31/19
 MPMS NO. 66952 2019-09-172-61.03

5-00422-04-2NG-064-313
 State Project No.
0020201-LY40
 Federal Project No.
December 31, 2020
 EXPIRATION DATE - THIS PART

AGREEMENT AMOUNTS	AMOUNTS EARNED		AMOUNTS DUE
1. DIRECT/INDIRECT PAYROLL MAXIMUM \$780,815.87 75% OF MAXIMUM \$585,611.90	DIRECT/INDIRECT TO DATE	\$390,759.98	
	DIRECT/INDIRECT PREVIOUS	\$387,642.54	
	PAYROLL BILLED THIS ESTIMATE	\$1,413.08	
	OVERHEAD 120.613%	\$1,704.36	
	AMOUNT DUE		
2. DIRECT COSTS OTHER THAN PAYROLL MAXIMUM \$9,430.00 75% OF MAXIMUM \$7,072.50	TO DATE	\$4,707.00	
	PREVIOUS	\$4,707.00	
	AMOUNT DUE		
3. DIRECT COST BY OTHERS MAXIMUM \$358,012.36 75% OF MAXIMUM \$268,509.27	TO DATE	\$219,208.14	
	PREVIOUS	\$216,094.19	
	AMOUNT DUE		
4. NET FEE \$78,891.61	NET FEE EARNED TO DATE 45.0% OF \$78,891.61	\$35,501.22	
	PREVIOUS	\$35,264.55	
	AMOUNT DUE		
5.	TO DATE		
	PREVIOUS		
	AMOUNT DUE		
TOTAL (THIS PART) \$1,227,149.84	MAXIMUM AGREEMENT AMOUNT \$1,227,149.84		TOTAL THIS INVOICE \$6,468.06
	TOTAL INVOICES TO DATE (THIS PART) \$650,176.34		

Boles, Smyth Associates, Inc.
 2400 Chestnut Street
 Philadelphia, PA 19103
 SAP VENDOR NO. 120823

I certify that the above invoice represents services rendered on this Project and is true and correct, and all expenditures were incurred under a fully executed contract.

Michael C. Boles

Federal ID No: 23-1863016

9/30/19

Vice-President

PENNSYLVANIA DEPARTMENT OF TRANSPORTATION
ESTIMATED PROGRESS REPORT - COST PLUS FIXED FEE AGREEMENT

Agreement No: 164228-A

PART I

ITEM NO.	DESCRIPTION OF WORK	% OF TOTAL NET FEE	% ITEM COMPLETED LAST REPORT	% ITEM COMPLETED TO DATE	% OF TOTAL NET FEE TO DATE
1.1	Project Management / Administration	2.8%	60.0%	60.0%	1.7%
1.3	Public/Agency Involvement	3.5%	56.2%	62.0%	2.2%
4, 2.10.991A	Rightsizing Design	11.3%	96.3%	96.3%	10.9%
8.7/4.10	Safety Review/Design Field View	10.3%	78.4%	78.4%	8.0%
9	Pre-Final Utilities and Right-of-Way	4.6%	100.0%	100.0%	4.6%
10.1/10.2	CEE Reevaluation & Final Roadway Design	15.2%	55.3%	56.3%	8.5%
10.2.1/2, 4.2, 4	Final Drainage/Pavement Design, Specs. & X Sections	14.4%	19.9%	19.9%	2.9%
10.5	Final Right-of-Way Plan	4.6%	74.4%	74.4%	3.4%
10.8.4	Utility Clearance (D-419)	2.5%	79.4%	79.4%	2.0%
10.14/15	Traffic Control Plan & Traffic Signal Plans	8.3%	8.3%	8.3%	0.7%
10.25/26/27	E&S Plan/NPDES Permit & SWM Plan	12.3%	0.7%	0.7%	0.1%
10.28/29	Final Plans Check/FDOM & Assemble Bid Documents	8.6%	0.0%	0.0%	0.0%
11.1	Post Design Activities	1.6%	0.0%	0.0%	0.0%
		100.0%		N/A	45.0%

PENNSYLVANIA DEPARTMENT OF TRANSPORTATION
ESTIMATED PROGRESS REPORT - COST PLUS FIXED FEE AGREEMENT

Agreement No 164228-A
PART I

DESCRIPTION OF WORK	ESTIMATED COST	BILLED TO DATE	BILLED THIS ESTIMATE
DIRECT COSTS OTHER THAN PAYROLL			
Reproduction	\$4,430.00	\$4,707.00	\$0.00
Infiltration Testing (PDA)	\$5,000.00	\$0.00	\$0.00
TOTAL	\$9,430.00	\$4,707.00	\$0.00
DIRECT COST OF SERVICES BY OTHERS			
Subconsultants			
AECOM (Formerly URS CORP. [URS])	\$93,511.51	\$82,664.14	\$0.00
PAQ, Inc.	\$63,287.51	\$14,644.79	\$0.00
CHRS, Inc.	\$72,138.87	\$40,777.05	\$3,113.95
Ground Reconsidered, Inc.	\$60,359.83	\$23,183.52	\$0.00
Gannett Fleming	\$68,714.64	\$57,938.64	\$0.00
TOTAL	\$358,012.36	\$219,208.14	\$3,113.95

PENNSYLVANIA DEPARTMENT OF TRANSPORTATION
ESTIMATED PROGRESS REPORT - COST PLUS FIXED FEE AGREEMENT

Agreement No. 164228-A

DIRECT PAYROLL TABULATION

PART I

PERIOD: FROM 8/1/19 TO 8/31/19

EMPLOYEE	CLASSIFICATION	DESCRIPTION OF WORK ITEMS												TOTAL HOURS THIS PERIOD	ACTUAL HOURLY RATE	DATE APPROVED BY DEPARTMENT	PAYROLL THIS PERIOD		
		Project Management / Administration	Public/Agency Involvement	Rightizing Design	Safety Review/Design Field View	Pre-Final Utilities and Right-of-Way	CBE Reevaluation & Final Roadway Design	Final Drainage/Pavement Design, Draft Special Provisions & Cross Sections	Final Right-of-Way Plan	Utility Clearance (D-419)	Traffic Control Plan & Traffic Signal Plans	E&S Plan/NPDES Permit & Stormwater Management Plan	Final Plans Check/FDOM & Assemble Bid Package Documents					Post Design Activities	
T. F. Boles	Sr. Proj. Engineer	1.1	1.3	4.2.10.991A	8.7/4.10	9	10.1/10.2	10.2.112.42.1	10.5	10.8.4	10.14/15	10.25/26/27	10.28/29	11.1	0.0	\$62.70	7/1/19	\$0.00	
M. C. Boles	Eng. Coordinator		15.0					3.5							18.5	\$60.95	7/1/19	\$1,127.58	
B.F. Hensyl	Eng. Technician		4.0					9.0							13.0	\$18.00	7/1/19	\$234.00	
J. Smyth, Jr.	Project Engineer														0.0	\$54.65	7/1/19	\$0.00	
D. Plett	Eng. Technician														0.0	\$38.05	7/1/19	\$0.00	
P. J. Boles	Eng. Technician														0.0	\$40.90	7/1/19	\$0.00	
T. J. Rybas	Eng. Technician														0.0	\$28.10	7/1/19	\$0.00	
V. R. Mothukpally	Eng. Technician							2.0							2.0	\$25.75	7/1/19	\$51.50	
C. J. Zebley V	Civil Engineer														0.0	\$36.75	2/16/19	\$0.00	
TOTAL HOURS THIS ESTIMATE		0.0	19.0	0.0	0.0	0.0	0.0	14.5	0.0	0.0	0.0	0.0	0.0	0.0	33.5		TOTAL THIS PERIOD	\$1,413.08	
TOTAL HOURS PREVIOUS ESTIMATE		156.0	185.5	1011.5	748.5	463.5	780.0	266.5	316.0	186.5	64.0	8.0	0.0	0.0	4186.0				
TOTAL HOURS TO DATE		156.0	204.5	1011.5	748.5	463.5	794.5	266.5	316.0	186.5	64.0	8.0	0.0	0.0	4219.5				
CONTRACT TOTAL HOURS		260.0	330.0	1050.0	955.0	430.0	1410.0	1340.0	425.0	235.0	770.0	1145.0	800.0	150.0	9300.0				
% HOURS USED TO DATE		60.0	62.0	96.3	78.4	100.0	56.3	19.9	74.4	79.4	8.3	0.7	0.0	0.0	45.4				

UPPER MERION TOWNSHIP TRANSPORTATION AUTHORITY

ESTIMATED PROGRESS REPORT - COST PLUS FIXED FEE AGREEMENT


AGREEMENT NO. _____
 DIST. 6-0 COUNTY Montgomery
 S.R. 0023 SECTION 2NG
 ESTIMATE NO. 13 DATE 9/3/2019
 PERIOD FROM 8/1/2019 TO 8/31/2019
 CLIENT NUMBER _____

STATE PROJECT NO. _____ ALLOT. _____
 FEDERAL PROJECT NO. _____
 EXPIRATION DATE - THIS PART _____

AGREEMENT AMOUNTS	AMOUNTS EARNED		AMOUNTS DUE
1. DIRECT/INDIRECT PAYROLL MAXIMUM \$ 65,174.36 75% OF MAXIMUM \$ 48,880.77	DIRECT/INDIRECT TO DATE	\$ 36,876.78	
	DIRECT/INDIRECT PREVIOUS	34,053.64	
	PAYROLL BILLED THIS EST.	1082.75	
	OVERHEAD (160.738%)	1740.39	
	AMOUNT DUE		
2. DIRECT COSTS OTHER THAN PAYROLL MAXIMUM \$ 642.60 75% OF MAXIMUM \$ 481.95	TO DATE	\$ 284.14	
	PREVIOUS	284.14	
	AMOUNT DUE		
3. DIRECT COSTS BY OTHERS MAXIMUM \$ 0.00 75% OF MAXIMUM \$ 0.00	TO DATE	\$ 0.00	
	PREVIOUS	0.00	
	AMOUNT DUE		
4. NET FEE \$ 6321.91	NET FEE EARNED TO DATE 57.20 % OF \$ 6321.91	\$ 3616.13	
	NET FEE PAID PREVIOUS	3325.32	
	AMOUNT DUE		
5.	TO DATE		
	PREVIOUS		
	AMOUNT DUE		
TOTAL (THIS PART) \$ 72,138.87	MAXIMUM AGREEMENT AMOUNT \$ 72,138.57 TOTAL INVOICES TO DATE (THIS PART) \$ 40,777.05	TOTAL THIS INVOICE \$ 3113.95	

Cultural Heritage Research Services, Inc.
395 N. Cannon Avenue
Lansdale, PA 19446-2247

I certify that the above invoice represents services rendered on this project and is true and correct, and all expenditures were incurred under a fully executed contract.



9/3/2019

Kenneth J. Basalik, President - CHRS, Inc.

Date

Federal ID No.: 51-0259208

Department's Technically Responsible Person

Date

**UPPER MERION TOWNSHIP TRANSPORTATION AUTHORITY
ESTIMATED PROGRESS REPORT - COST PLUS FIXED FEE AGREEMENT**

AGREEMENT NO.:		CLIENT NUMBER:			
PART: I					
ITEM NUMBER	DESCRIPTION OF WORK	% OF TOTAL NET FEE	% ITEM COMPLETE LAST REPORT	% ITEM COMPLETE TO DATE	% OF TOTAL NET FEE TO DATE
1.	Task 2.1.1 – Project Management/Administration	3.3 %	57.0 %	65.0 %	2.1 %
2.	Task 2.2 Preliminary Engineering and Environment	87.4 %	58.0 %	63.0 %	55.1 %
3.	Task 2.3 Environmental Clearance /Designation	9.3 %	0.0 %	0.0 %	0.0 %
TOTALS:		100.0 %			57.2 %

**UPPER MERION TOWNSHIP TRANSPORTATION AUTHORITY
ESTIMATED PROGRESS REPORT - COST PLUS FIXED FEE AGREEMENT**

AGREEMENT NO.: _____

PART: _____ I _____

CLIENT NUMBER: _____

DESCRIPTION OF WORK		ESTIMATED COST	BILLED TO DATE	BILLED THIS ESTIMATE
DIRECT COSTS OTHER THAN PAYROLL				
1.	Travel	405.00	1. 225.74	1. 0.00
2.	Printing std	30.00	2. 0.00	2. 0.00
3.	Printing color oversized	8.00	3. 0.00	3. 0.00
4.	Printing color std	12.00	4. 0.00	4. 0.00
5.	Printing binding	112.50	5. 0.00	5. 0.00
6.	Tolls	25.10	6. 0.00	6. 0.00
7.	Repository Fees	50.00	7. 58.40	7. 0.00
TOTALS:		\$ 642.60	\$ 284.14	\$ 0.00
DIRECT COSTS BY OTHERS				
TOTALS:		\$ 0.00	\$ 0.00	\$ 0.00

CHRS, Inc.

Name Kevin Quigg

Monthly Time Sheet

Pay Period AUGUST 2019

Job #	Task	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	Total
		16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
administrative		2	3			3	3	4	3	4			4	5	4	2	37.00
BERGEY01		2	2			1											5.00
ROUTE030		1				2	1	1		1					1	1	8.00
UMTA-2NG		1				1	2	1					1	1	1	1	8.00
LYTLE001		2	1														3.00
ROUT4030			2			1	1		1	2					1		8.00
BRIDG167															1		1.00
MARGARET						1			1	1							3.00
PERKRK&K							2	2	3								5.00
E03649-6													3				4.00
DRESHER3														2	1		3.00
SICKDA19																3	3.00
																	0.00
1st Half Totals		8.00	8.00	0.00	0.00	8.00	8.00	8.00	8.00	8.00	0.00	0.00	8.00	8.00	8.00	8.00	88.00
administrative																	
SICKDA19																	
E04231-1																	
ROUTE030																	
UMTA-2NG																	
ROUT4030																	
PERKRK&K																	
DRESHER3																	
ROUT30-7																	
MARGARET																	
ROUT30-8																	
E03649-6																	
RIDGEPIK																	
2nd Half Totals		8.00	0.00	0.00	8.00	8.00	8.00	8.00	8.00	0.00	0.00	8.00	8.00	8.00	8.00	0.00	88.00

Approved: Kevin Quigg Employee Signature: _____

CHRS, Inc.

Name Maria Rossi

Monthly Time Sheet

Pay Period August 2019

Job #	Task	1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		Total	
		16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	hrs	\$														
administrative		4.75	2.5																					4.25	4.75	4.5	2.75			42.00			
UMTA-2NG		1				0.5																		0.5						2.00			
TRILEAF			3																							1	1			15.50			
PERSON19			1																					1						1.00			
DRESHER3																														2.00			
CODORUS3																											2			2.00			
																														0.00			
																														0.00			
																														0.00			
																														0.00			
																														0.00			
																														0.00			
																														0.00			
																														0.00			
1st Half Totals		5.75	6.50	0.00	0.00	5.75	5.75	5.75	5.75	6.50	0.00	0.00	5.75	5.75	6.50	0.00	0.00	5.75	5.75	5.75	5.75	5.75	5.75	4.25	4.75	5.50	5.75	5.75	64.50				
administrative		6.5				0.75	4.25	2.75	1.5															5.75	4.75	5.25	6.5			38.00			
VACATHI9					8																									8.00			
TRILEAF						5	1.5	1	5															1	0.5					14.00			
E04231-1 P								1																						1.00			
UMTA-2NG								1																						1.00			
PERSON19																											8			8.00			
																														0.00			
																														0.00			
																														0.00			
																														0.00			
																														0.00			
																														0.00			
																														0.00			
2nd Half Totals		6.50	0.00	0.00	8.00	5.75	5.75	5.75	5.75	6.50	0.00	0.00	5.75	5.75	6.50	0.00	0.00	5.75	5.75	5.75	5.75	5.75	5.75	4.75	5.25	8.00	6.50	6.50	70.00				

Approved *[Signature]*

Employee Signature: *Maria Rossi*

CHRS, Inc.

Name Morgan Rouscher

Monthly Time Sheet

Pay Period August 2019

Job #	Task	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	Total	
		16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	hrs
																		\$
administrative		5	5.5	x	x	0.5	6	4	6	8	x	x	6	3		1.5		45.50
TRILEAF			2.5			7.5	1	4	2					2		1.5		20.50
MARGARET		1																1.00
RIDGEPIK		1																1.00
UMTA-2NG		1					1											2.00
ROUTE030													2	3	3	4		12.00
CODORUS3															4	1		5.00
																		0.00
																		0.00
																		0.00
																		0.00
																		0.00
1st Half Totals		8.00	8.00	0.00	0.00	8.00	8.00	8.00	8.00	8.00	0.00	0.00	8.00	8.00	7.00	8.00		87.00
administrative		6	X	X	2		3	1	3.5	X	X	8	6.5	4	6	5	X	45.00
TRILEAF					1	8	2	4	3.5				1.5					20.00
SICKDA19		2			5									4				11.00
ROUT30-7							3											3.00
E04231-1								3										3.00
ROUT4030									1									1.00
ROUTE030														2	3			5.00
																		0.00
																		0.00
																		0.00
																		0.00
																		0.00
2nd Half Totals		8.00	0.00	0.00	8.00	8.00	8.00	8.00	8.00	0.00	0.00	8.00	8.00	8.00	8.00	8.00	0.00	88.00
Approved																		

Employee Signature: *[Signature]*



Boles, Smyth Associates, Inc.
Consulting Civil Engineers Since 1972

September 30, 2019

Upper Merion Transportation Authority
175 W. Valley Forge Road
King of Prussia, PA 19406

Attn: Mr. Nick Hiriak

Ref: SR 0023, Section TCB
Preliminary & Environmental Phase Services
Upper Merion Township, Montgomery County

Sub: Transmittal of Invoice #42
BSA# 2019-09-171-69.09

Dear Nick:

We are herewith transmitting one (1) copy of Invoice #41 for the SR 0023, Section TCB – Trout Creek Bridge Replacement Project for work performed for the period August 1, 2019 through August 31, 2019.

If you have any questions about this submission, please contact me.

Thank you.

Sincerely,

A handwritten signature in blue ink that reads "Michael C. Boles".

Michael C. Boles

MCB:slg

Enclosures

69.09_SR0023-SectionTCB\Admin\INV#41Aug302019

ESTIMATED PROGRESS REPORT - COST PLUS FIXED FEE AGREEMENT

Agreement No. _____

District 6-0 County Montgomery
 S. R. 0023 Section TCB

State Project No. _____

Estimate No. 42
 Estimate Period From 8/1/19 To 8/31/19

Federal Project No. _____

MPMS NO. 48172 Invoice # 2019-09-171-69.09

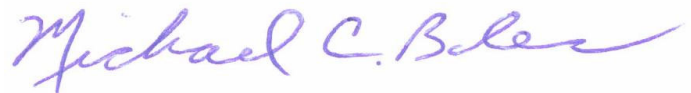
EXPIRATION DATE - THIS PART _____

AGREEMENT AMOUNTS	AMOUNTS EARNED		AMOUNTS DUE
1. DIRECT/INDIRECT PAYROLL MAXIMUM \$362,433.65 75% OF MAXIMUM \$271,825.24	DIRECT/INDIRECT TO DATE	\$342,449.75	
	DIRECT/INDIRECT PREVIOUS	\$341,207.52	
	PAYROLL BILLED THIS ESTIMATE	\$563.08	
	OVERHEAD 120.613%	\$679.15	
	AMOUNT DUE		\$1,242.23
2. DIRECT COSTS OTHER THAN PAYROLL MAXIMUM \$5,550.00 75% OF MAXIMUM \$4,162.50	TO DATE	\$4,081.50	
	PREVIOUS	\$4,081.50	
	AMOUNT DUE		
3. DIRECT COST BY OTHERS MAXIMUM \$165,710.58 75% OF MAXIMUM \$124,282.94	TO DATE	\$37,120.67	
	PREVIOUS	\$37,120.67	
	AMOUNT DUE		
4. NET FEE \$14,626.79	NET FEE EARNED TO DATE 84.8% OF \$14,626.79	\$12,403.52	
	PREVIOUS	\$12,359.64	
	AMOUNT DUE		
5.	TO DATE		
	PREVIOUS		
	AMOUNT DUE		
TOTAL (THIS PART) \$548,321.02	MAXIMUM AGREEMENT AMOUNT \$548,321.02		TOTAL THIS INVOICE \$1,286.11
	TOTAL INVOICES TO DATE (THIS PART) \$396,055.44		

Boles, Smyth Associates, Inc.
 2400 Chestnut Street
 Philadelphia, PA 19103

I certify that the above invoice represents services rendered on this Project and is true and correct, and all expenditures were incurred under a fully executed contract.

SAP VENDOR NO. 120823



Federal ID No: 23-1863016

Project Manager

9/30/19

PENNSYLVANIA DEPARTMENT OF TRANSPORTATION
ESTIMATED PROGRESS REPORT - COST PLUS FIXED FEE AGREEMENT

Agreement No: _____

PART I

ITEM NO.	DESCRIPTION OF WORK	% OF TOTAL NET FEE	% ITEM COMPLETED LAST REPORT	% ITEM COMPLETED TO DATE	% OF TOTAL NET FEE TO DATE
1	Project Management / Administration	3.0%	100.0%	100.0%	3.0%
2	Preliminary Engineering (Through Safety Review & DFV)	22.1%	100.0%	100.0%	22.1%
3	Environmental Clearance	8.6%	100.0%	100.0%	8.6%
4	Structural / Geotechnical Engineering Coordination	19.2%	100.0%	100.0%	19.2%
5	Preliminary Right-of-Way Plans	9.4%	76.8%	76.8%	7.2%
6	Preliminary Traffic Control Plans	12.8%	68.9%	71.1%	9.1%
7	Preliminary Traffic Signal, Pavement Marking and Signing Plans	8.8%	60.3%	60.3%	5.3%
8	Preliminary Utility Coordination / Plans	6.9%	100.0%	100.0%	6.9%
9	Public Involvement	4.7%	63.8%	63.8%	3.0%
10	Norfolk & Southern Railroad Coordination	4.4%	9.4%	9.4%	0.4%
		100.0%	N/A	N/A	84.8%

PENNSYLVANIA DEPARTMENT OF TRANSPORTATION
ESTIMATED PROGRESS REPORT - COST PLUS FIXED FEE AGREEMENT

Agreement No: _____
PART I _____

DESCRIPTION OF WORK	ESTIMATED COST	BILLED TO DATE	BILLED THIS ESTIMATE
DIRECT COSTS OTHER THAN PAYROLL			
Reproduction Traffic Counts	\$2,175.00 \$3,375.00	\$2,316.50 \$1,765.00	\$0.00 \$0.00
TOTAL			
DIRECT COST OF SERVICES BY OTHERS			
Subconsultants PAQ, Inc. CHRS, Inc. RK&K PennDOT Subsurface Program *(Estimated)	\$13,084.56 \$16,891.06 \$67,500.00 \$68,234.96	\$13,084.56 \$14,958.42 \$9,077.69 \$0.00	\$0.00 \$0.00 \$0.00 \$0.00
TOTAL			
	\$165,710.58	\$37,120.67	\$0.00

PENNSYLVANIA DEPARTMENT OF TRANSPORTATION
ESTIMATED PROGRESS REPORT - COST PLUS FIXED FEE AGREEMENT

DIRECT PAYROLL TABULATION

Agreement No. _____

PART I

PERIOD: FROM 8/1/19 TO 8/31/19

EMPLOYEE	CLASSIFICATION	DESCRIPTION OF WORK ITEMS												TOTAL HOURS THIS PERIOD	ACTUAL HOURLY RATE	DATE APPROVED BY DEPARTMENT	PAYROLL THIS PERIOD		
		1	2	3	4	5	6	7	8	9	10								
		Project Management / Administration	Preliminary Engineering (Through Safety Review & Design Field View)	Environmental Clearance	Structural/Hydraulic & Hydrologic (H&H)/Geotechnical Engineering Coordination	Preliminary Right-of-Way Plans	Preliminary Traffic Control Plan	Preliminary Traffic Signal, Pavement Marking and Signing Plan	Preliminary Utility Coordination / Plans	Public Involvement	Norfolk & Southern Railroad Coordination								
J. Smyth, Jr.	Sr. Civil Engineer																		
M. C. Boles	Eng. Coord.					8.5													
P. J. Boles	Eng. Technician																		
D. Plett	Eng. Technician																		
C. J. Zebley	Civil Engineer																		
V. R. Mothukpally	Trans. Engineer																		
R. G. Wagenmann	Trans. Specialist																		
W. Au	Structural Engineer																		
E. Jacinto	Structural Designer																		
B.F. Hensyl	Eng. Technician						2.5												
TOTAL HOURS THIS ESTIMATE		0.0	0.0	0.0	0.0	0.0	11.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	\$18.00	4/1/19	\$45.00
TOTAL HOURS PREVIOUS ESTIMATE		123.5	988.0	356.0	1044.5	288.0	351.5	211.0	317.0	118.0	16.5								
TOTAL HOURS TO DATE		123.5	988.0	356.0	1044.5	288.0	362.5	211.0	317.0	118.0	16.5								
CONTRACT TOTAL HOURS		120.0	880.0	340.0	765.0	375.0	510.0	350.0	275.0	185.0	175.0								
% HOURS USED TO DATE		100.0	100.0	100.0	100.0	76.8	71.1	60.3	100.0	63.8	9.4								
TOTAL HOURS THIS PERIOD		0.0														0.0	\$54.65	7/1/19	\$0.00
TOTAL HOURS PREVIOUS PERIOD		8.5														8.5	\$60.95	7/1/19	\$518.08
TOTAL HOURS THIS PERIOD		0.0														0.0	\$40.90	7/1/19	\$0.00
TOTAL HOURS PREVIOUS PERIOD		0.0														0.0	\$38.05	7/1/19	\$0.00
TOTAL HOURS THIS PERIOD		0.0														0.0	\$36.75	7/1/19	\$0.00
TOTAL HOURS PREVIOUS PERIOD		0.0														0.0	\$25.75	7/1/19	\$0.00
TOTAL HOURS THIS PERIOD		0.0														0.0	\$60.80	7/1/19	\$0.00
TOTAL HOURS PREVIOUS PERIOD		0.0														0.0	\$55.60	7/1/19	\$0.00
TOTAL HOURS THIS PERIOD		0.0														0.0	\$37.05	7/1/19	\$0.00
TOTAL HOURS PREVIOUS PERIOD		2.5														2.5	\$18.00	4/1/19	\$45.00
TOTAL HOURS THIS PERIOD		11.0														11.0		TOTAL THIS PERIOD	\$563.08
TOTAL HOURS PREVIOUS PERIOD		3814.0														3814.0			
TOTAL HOURS THIS PERIOD		3825.0														3825.0			
CONTRACT TOTAL HOURS		3975.0														3975.0			
% HOURS USED TO DATE		96.2														96.2			



SPECIALTY ENGINEERING, INC.
Consulting and Research Engineers

September 13, 2019

Mr. Geoff Hickman
Public Works Director
Upper Merion Township
175 West Valley Forge Road
King of Prussia, PA 19406-1802

Re: Church Road over SEPTA (Norristown High Speed Line)
BMS 46 7220 0801 0053 (BRKey 28132)
Routine Inspection – Priority 1

Dear Mr. Hickman,

Specialty Engineering recently completed the underside inspection of Church Road over SEPTA NHSL - BRKEY #28132.

During the inspection, beam 11 was observed to have an increase in web section loss, with new bottom flange section loss and bottom flange holes. In 2017, Specialty Engineering performed a load rating for this bridge. Beam 11 was found to be located under the sidewalk and it does not encounter live loads. Because of this, the rating did not consider beam 11 and instead rated beam 10, which controls the rating.

Due to the new increase in deterioration of beam 11, Specialty Engineering is recommending a Priority 1 repair to repair this beam.

As you may be aware, Church Road Bridge is scheduled to be replaced, and has an anticipated let date of 1/2020.

Please see the attached photos, sketch and cross section for more information. For more details see complete load rating file uploaded to BMS2.

If you have any questions or require any additional information, please do not hesitate to contact Peter Kim or myself at 215-785-5350.

Sincerely,
Specialty Engineering, Inc.

A handwritten signature in blue ink, appearing to read "L. Y. Lai".

"Leon" Lung-Yang Lai, Ph.D., P.E., S.E.
President

cc: Din Abazi - PennDOT District 6-0
Shawn Larkins - PennDOT District 6-0
Margaret Sherman – Consultant Partner/ PennDOT District 6-0
Kevin Gross - PCS



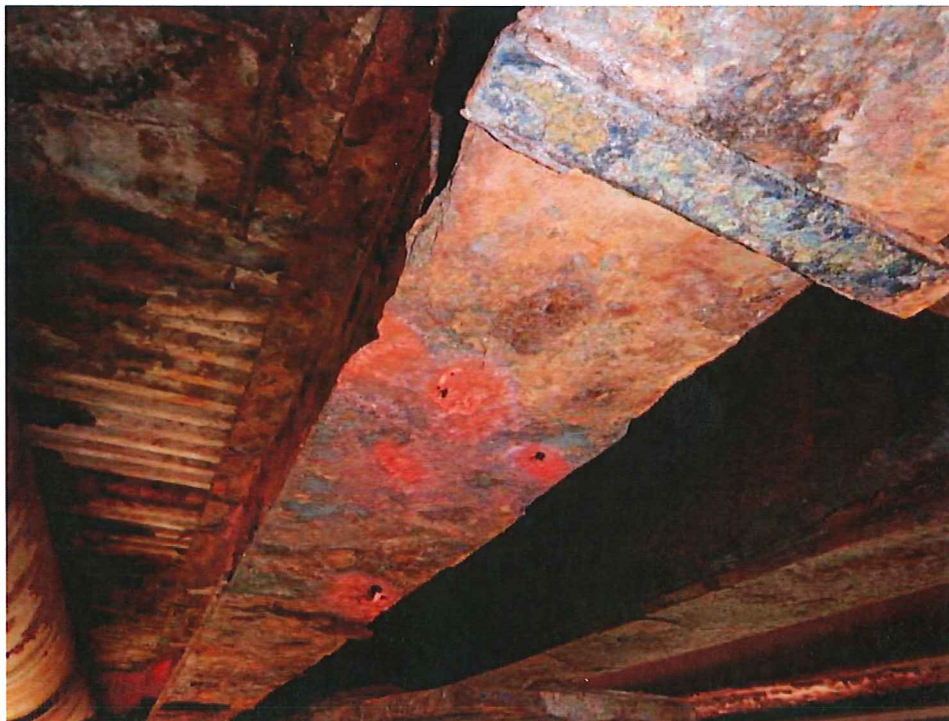
Church Road Bridge, Left Elevation



Superstructure, looking ahead.



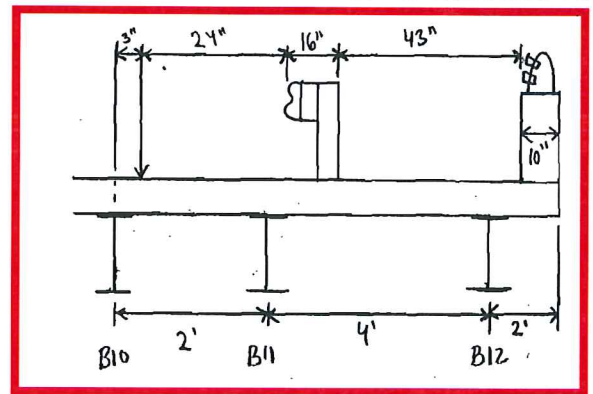
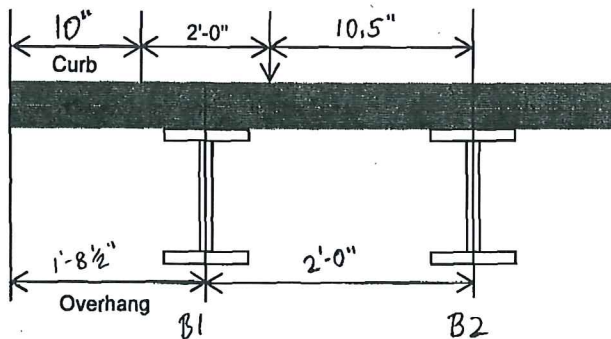
Beam 11 at far $\frac{1}{4}$ point, looking left. Note web holes.



Beam 11 at far $\frac{1}{4}$ point, looking back. Note flange holes and section loss.

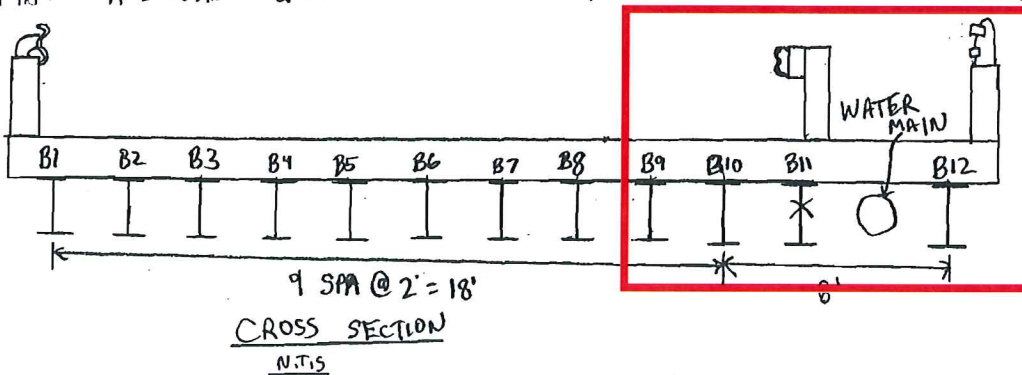
Bridge Info	Shear D. F.
Construction Date: 1950, REHAB 1969	Interior D.F. = $0.5 \times (1 + \frac{0}{2'}) = 0.500 (B9,10) = 0.5 \cdot \frac{0.25'}{2'} = 0.063 (B11)$
# of Beams: 12 (11 FOR ANALYSIS)	Exterior D.F. = $0.5 \times (\frac{10.5''}{24''}) = 0.219 (B1)$ B12 IS NOT SUBJECT TO LIVE LOAD
Beam Spacing: 10@2', 1@4'	
Span Length: 47'-6"	
Roadway Width: 21'-6"	
# of Lanes: 2	Moment D. F.
Deck Material: CONCRETE	Interior Deck Type = CONCRETE ON STEEL BEAMS D.F. = $0.5 \times (\frac{2'}{5.5}) = 0.182 (B9)$ $0.5 \cdot (\frac{4'}{5.5}) = 0.364 (B10)$
Deck Thickness: 9"	Exterior Greater of Int. Moment D. F. or Ext. Shear D. F. $0.5 \cdot (\frac{3'}{5.5}) = 0.273 (B11)$ 0.219 (B1) B12 NOT SUBJECT TO LIVE LOAD
Deck Width: 27'-5 1/2"	
Beam Section: 24WF76	
Steel Strength: 33ksi (ORIGINAL) 36ksi (REHAB)	
	Deflection D. F.
	$\frac{2 \text{ Lanes}}{11 \text{ Beams}} \times 1.0 = 0.182$

Fascia Cross Section



Other Information

24WF76 PROPERTIES
 $I = 2096.4 \text{ in}^4$ $A = 22.37 \text{ in}^2$ $d = 23.91''$ $k_w = 0.440''$ $b_f = 8.985''$ $t_f = 0.682''$





SPECIALTY ENGINEERING, INC.
Consulting and Research Engineers

September 13, 2019

Mr. Geoff Hickman
Public Works Director
Upper Merion Township
175 West Valley Forge Road
King of Prussia, PA 19406-1802

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As you may be aware, Church Road Bridge is scheduled to be replaced, and has an anticipated let date of 1/2020.

Please see the attached photos, sketch and cross section for more information. For more details see complete load rating file uploaded to BMS2.

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Sincerely,
Specialty Engineering, Inc.

A handwritten signature in blue ink, appearing to read "L - Y L", with a stylized flourish at the end.

"Leon" Lung-Yang Lai, Ph.D., P.E., S.E.
President

cc: Din Abazi - PennDOT District 6-0
Shawn Larkins - PennDOT District 6-0
Margaret Sherman – Consultant Partner/ PennDOT District 6-0
Kevin Gross - PCS



Church Road Bridge, Left Elevation



Superstructure, looking ahead.



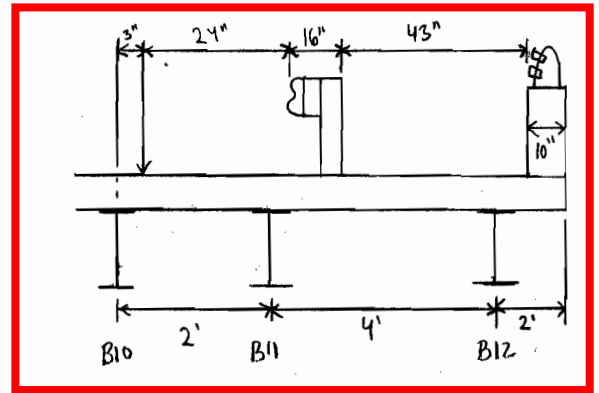
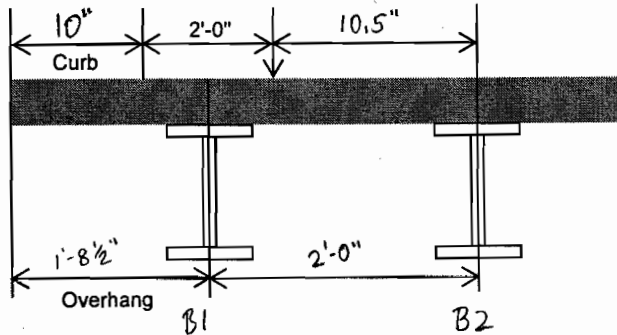
Beam 11 at far $\frac{1}{4}$ point, looking left. Note web holes.



Beam 11 at far $\frac{1}{4}$ point, looking back. Note flange holes and section loss.

Bridge Info	Shear D. F.
Construction Date: <u>1950, REHAB 1969</u>	Interior $D.F. = 0.5 \times (1 + \frac{0}{2'}) = 0.500 (B9,10) = 0.5 \cdot \frac{0.25'}{2'} = 0.063 (B11)$ (BASED ON LEVER RULE)
# of Beams: <u>12 (11 FOR ANALYSIS)</u>	Exterior $D.F. = 0.5 \times (\frac{10.5''}{24''}) = 0.219 (B1)$ B12 IS NOT SUBJECT TO LIVE LOAD
Beam Spacing: <u>10@2', 1@4'</u>	
Span Length: <u>47'-6"</u>	
Roadway Width: <u>21'-6"</u>	
# of Lanes: <u>2</u>	Moment D. F.
Deck Material: <u>CONCRETE</u>	Interior Deck Type = <u>CONCRETE ON STEEL BEAMS</u> $D.F. = 0.5 \times (\frac{2'}{5.5}) = 0.182 (B9) \quad 0.5 \cdot (\frac{4'}{5.5}) = 0.364 (B10)$ $0.5 \cdot (\frac{3'}{6.5}) = 0.273 (B11)$
Deck Thickness: <u>9"</u>	Exterior Greater of Int. Moment D. F. or Ext. Shear D. F. $0.219 (B1) \quad B12 \text{ NOT SUBJECT TO LIVE LOAD}$
Deck Width: <u>27'-5 1/2"</u>	
Beam Section: <u>24WF76</u>	
Steel Strength: <u>33ksi (ORIGINAL)</u> <u>36ksi (REHAB)</u>	
	Deflection D. F.
	$\frac{2 \text{ Lanes}}{11 \text{ Beams}} \times 1.0 = 0.182$

Fascia Cross Section



Other Information

24WF76 PROPERTIES
 $I = 2096.4 \text{ in}^4 \quad A = 22.37 \text{ in}^2 \quad d = 23.91'' \quad t_w = 0.440'' \quad b_f = 8.985'' \quad t_f = 0.682''$

