

SIGNATURE PAGE

P-32-2021

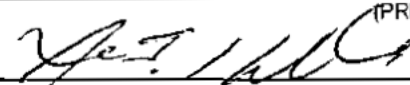
To the Monmouth County Board of County Commissioners:

**THE UNDERSIGNED HEREBY DECLARES THAT
I (WE) HAVE CAREFULLY EXAMINED THE SPECIFICATIONS.
I (WE) HEREBY CERTIFY PRICES QUOTED ARE IN ACCORDANCE
WITH YOUR REQUIREMENTS.**

Company Name: French & Parrello Associates, PA

(PRINT)

Preparer's Name: James B. Heller, PE President

Signature:  _____
6/8/21
(DATE)

Address: 1800 Route 34, Suite 101

Wall, NJ 07719

Telephone No.: 732-312-9800

Fax No.: 732-312-9801

E-Mail Address: james.heller@fpaengineers.com

*****(This should be the email where Contracts would be sent)*****

Contact Person: James B. Heller, PE

FEIN: 

(Federal Employee ID)

(Revised 2/2017)



FEE SCHEDULE FORM



ASCE GRADE	EQUIVALENT FEDERAL GENERAL SCHEDULE GRADE	EQUIVALENT FIRM TITLE (TO BE ADDED BY FIRM)	BILLING RATE
Clerical		Administrative Services	\$ 65.00
ETII		Field Representative	\$ 75.00
ETII		Survey Technician	\$ 75.00
ETII		Field Technician	\$ 65.00
Clerical		Technical Assistant	\$ 75.00
Clerical		Environmental Permitting Assistant	\$ 75.00
ETIII		Drafter	\$ 75.00
ETIV		Senior Field Representative	\$ 85.00
ETIII		Lab Supervisor	\$ 90.00
ETV		Designer	\$ 105.00
ETIV		Resident Engineer	\$ 115.00
PII	GS-7	Staff Engineer	\$ 100.00
PI		Environmental Scientist	\$ 90.00
PII		Environmental Engineer	\$ 95.00
ETIV		Senior Drafter	\$ 95.00
PIV		Environmental Project Coordinator	\$ 110.00
PVI		Professional Planner	\$ 100.00
PIII	GS-9	Senior Staff Engineer	\$ 110.00
ETIIB		Senior Survey Technician	\$ 105.00
PI		Senior Environmental Scientist	\$ 110.00
ETIV		Survey Party Chief	\$ 105.00
PIV	GS-11	Project Engineer	\$ 140.00
ETV		Senior Designer	\$ 125.00
PV		Certified Landscape Architect	\$ 120.00
PVI		Professional Geologist	\$ 125.00
PV		Senior Environmental Specialist	\$ 130.00
PV	GS-12	Project Manager	\$ 155.00
PVI	GS-13	Senior Engineer	\$ 155.00
N/A		Survey Field Crew Robotic (1 Person)	\$ 155.00
PVI		Senior Project Manager	\$ 170.00
PVII		Professional Land Surveyor	\$ 160.00
PVII	GS-14	Project Consultant	\$ 190.00
N/A		Survey Field Crew (2 Person)	\$ 175.00
PVII		Licensed Site Remediation Professional	\$ 175.00
PIX	Senior Executive Service	Senior Project Consultant	\$ 200.00
		TOTAL	

DIRECT EXPENSES	UNIT COST(S)
Reproduction	See Attached
Postage/Delivery	See Attached
Transportation Cost Per Mile	\$ 0.56

NOTE:

1. Billing Rate shall include all overhead, profit and employee benefits.

TOTAL PROJECT COST \$100,000

FEE SCHEDULE FORM

CONCRETE

Billing Rate

I. Preliminary Test of Aggregates

Fine Aggregate

(a)	Sieve Analysis & Fineness Modulus:		
	A.S.T.M. C-33 (C-136).....	per sample	<u>\$85</u>
(b)	Specific gravity & absorption: A.S.T.M. C-128...	per sample	<u>\$75</u>
(c)	Organic impurities: A.S.T.M. C-40.....	per sample	<u>\$45</u>
(d)	Silt & Clay: A.S.T.M. C-117.....	per sample	<u>\$80</u>
(e)	Unit weight & void content: A.S.T.M. C-29.....	per sample	<u>\$50</u>
(f)	Strength Comparison: A.S.T.M. C-87.....	per sample	<u>\$200</u>
(g)	Efflorescence: A.S.T.M. C-67.....	per sample	<u>\$350</u>
(h)	Soundness (Sodium or Magnesium Sulfate: A.S.T.M. C-88		
	First five (5) cycles.....		<u>\$185</u>
	Each additional cycle.....		<u>\$50</u>

Course Aggregate

(a)	Sieve Analysis & Fineness Modulus:		
	A.S.T.M. C-33 (C-136).....	per sample	<u>\$85</u>
(b)	Specific gravity & absorption: A.S.T.M. C-127...	per sample	<u>\$75</u>
(c)	Organic impurities: A.S.T.M. C-40.....	per sample	<u>\$30</u>
(d)	Unit weight & void content: A.S.T.M. C-29.....	per sample	<u>\$50</u>
(e)	Abrasion (Los Angeles): A.S.T.M. C-131.....	per sample	<u>\$275</u>
(f)	Deleterious substances: A.S.T.M. C-33.....	per sample	<u>\$50</u>
(g)	Soundness: (Sodium or Magnesium Sulfate): A.S.T.M. C-88		
	First Five (5) cycles.....		<u>\$200</u>
	Each additional cycle.....		<u>\$50</u>

FEE SCHEDULE FORM

CONCRETE

Billing Rate

II. Concrete Design Mix

- (a) Review mixes submitted for approval designed by others..... per mix \$195
- (b) Preliminary mix design recommendation A.C.I. 301.....per mix \$195
- (c) Fabricate, cap, cure, test & report 6" x 12" Test cylinders to confirm concrete design mix.....per cylinder \$55
- (d) Fabricate, cure, test & report flexure beam Test specimens to confirm concrete design mix.....per beam \$75

III. Controlled Concrete

- (a) **Batch Plant Inspector**
Furnish a technical inspector to be placed at the batch plant or the project site to assure that only the approved materials are used; observe mixing and placing of concrete, fabricate test cylinders, conduct slump test, air test, monitor temperature and check yield as required.....per day \$560
- (b) **Field Inspector**
Furnish a technical inspector to be placed at the project site to observe the mixing and placing of concrete, fabricate the required number of 6" x 12" test cylinders (or beams), conduct slump test, air test, monitor temperatures, and check yield as required.....per day \$560
- (c) **Senior Field Inspector**
As well as item (b), this inspector to check forms for cleanliness and mortar tightness. Also he shall review blueprints and check placements of reinforcing steel to assure proper placement (spacing, ties, laps), size and quantity of bars.....per day \$610

IV. Test Cylinders

- (a) Cap, cure, test and report results of 6" x 12" test cylinders.....per cylinder 27
- (b) Transportation of test cylinders.....per trip \$75

FEE SCHEDULE FORM

CONCRETE

Billing Rate

V. Core Drilling

- (a) Supply one drilling unit and labor to obtain specimens of hardened concrete A.S.T.M. C-42 (4 ½ diameter or less)

vertical	per linear ft.	\$1,800
horizontal	per linear ft.	\$1,800

- (b) Prepare concrete cores for compression testing.....per core \$45

- (c) Compression tests & reports.....per core \$25

VI. Chemical Analysis

- (a) Chemical analysis of hardened concrete A.S.T.M. C-85per sample \$850

- (b) Chloride content testing and analysis A.S.T.M. C-1218per sample \$200

VII. Winsor Probes Test of Hardened Concrete

- (a) Furnish a technical inspector along with Windsor Probe apparatus to test in-place concrete per day \$560
 plus per probe \$75

VIII. Swiss Hammer Test of Hardened Concrete

- (a) Furnish a technical inspector along with Swiss Hammer apparatus to test in-place concrete per day \$560

FEE SCHEDULE FORM

	<u>Billing Rate</u>
<u>BITUMINOUS CONCRETE</u>	
<u>I. Preliminary Test of Aggregates – N.J.D.O.T. Specifications</u>	
(a) Sieve analysis (dry)	per sample <u>\$85</u>
(b) Sieve analysis (wet)	per sample <u>\$85</u>
(c) Abrasion (Los Angeles)	per sample <u>\$275</u>
(d) Absorption & specific gravity	per sample <u>\$45</u>
(e) Clay & clay lumps.....	per sample <u>\$45</u>
(f) Organic impurities	per sample <u>\$30</u>
(g) Soundness (Sodium Sulfate) five (5) cycles....	per sample <u>\$185</u>
<u>II. Bituminous Mix Design – N.J.D.O.T. Specifications</u>	
(a) Marshall Method	per mix <u>\$1,900</u>
<u>III. Quality Control Test – N.J.D.O.T. Specifications</u>	
(a) Extraction analysis	per sample <u>\$90</u>
(b) Stability & flow	per sample <u>\$55</u>
(c) Bulk Specific gravity (density determination)...	per sample <u>\$55</u>
(d) Maximum theoretical specific gravity by A.S.T.M. D2041.....	per sample <u>\$80</u>
<u>IV. Plant Control & Inspection – N.J.D.O.T. Specification</u>	
(a) Furnish a technician to witness all weighting of delivery trucks and accordingly determine the quantity of materials furnished to the project.....	per day <u>\$560</u>
(b) Furnish an asphalt mixing plant inspector to witness the loading of all materials and to make continuous temperature checks of finished products; this inspector shall also take samples of materials and perform all quality control test as per the specifications.....	per day <u>\$590</u>

FEE SCHEDULE FORM

Billing Rate

BITUMINOUS CONCRETE

V. Field inspection

(a) Furnish an inspector at the field site to witness the preparing of sub-base and tack coat as well as witness placing all asphaltic materials to determine the thickness of material being laid and to see that it is properly compacted and rolled.....per day \$550

(b) Nuclear Density Testing

Furnish a certified senior inspector to monitor compaction on effort during lay down operation or to obtain data for acceptance criteria..... per day \$560

VI. Core Drilling

(a) Supply one drilling unit and labor to obtain specimens of finished pavement:

6" diameter per linear foot \$200

8" diameter per linear foot \$200

Minimum day \$1,800

PIPE PRECAST, PILES

I. Manufacturing Inspection

(a) Place a technical inspector at point of fabrication to observe all phases of production and to witness and monitor all quality control test as required by the governing specification.

Precast Concrete Pipeper day \$590

Asbestos Cement Pipeper day \$590

Poly Vinyl Chloride Pipeper day \$590

Vitrified Clay Pipeper day \$590

Ductile Iron Pipeper day \$590

Steel Pipeper day \$590

Manholesper day \$590

Precast Pilesper day \$590

Precast Beam, Column & Architectural Memberper day \$590

FEE SCHEDULE FORM

Billing Rate

PIPE PRECAST, PILES (cont.)

II. Piles (wood, steel, concrete, Franki)

(a) Pile Driving Inspection
Senior inspector to check driving rig, hammer,
pile dimensions, monitor blow count and determine
tip and cut off elevations.....per day \$670

(b) Pile Driving Inspection
Professional Engineer to check driving rig, hammer,
pile dimension, monitor blow count and determine
top and cut-off elevationsper hour \$180

STRUCTURAL STEEL

I. Plant Inspection

(a) Place a technical inspector at the point of fabrication to
monitor all dimensions, painting, bolt hole placement, shop welds
and any other required inspections.....per hour \$120

II. Field Inspection

(a) Inspector to test high strength bolts for proper torque....per hour \$100

(b) Inspector to check plumbness of erected membersper hour \$100

(c) Inspector to visually inspect field welding at job site.....per hour \$100

FEE SCHEDULE FORM

		<u>Billing Rate</u>
<u>MASONRY</u>		
I.	<u>Preliminary Test of Aggregates</u>	
	(a) Sieve Analysis of fineness modulus:	
	A.S.T.M. C-144.....	per sample <u>\$85</u>
	(b) Deleterious Substances A.S.T.M. C-144.....	per sample <u>\$45</u>
	(c) Organic Impurities A.S.T.M. C-144.....	per sample <u>\$40</u>
	(d) Soundness: A.S.T.M. C-88 (First 5 cycles).....	per sample <u>\$275</u>
	(Each additional cycle).....	per sample <u>\$50</u>
II.	<u>Mortar & Grout Mix Designs</u>	
	(a) Review mixes submitted for approval by "others" (A.S.T.M. C-270, mortar C-476 grout)	per mix <u>\$195</u>
	(b) Fabricate, cure, test, and report 2 x 2 x 2 test cubes to confirm mix proportions (set of 3 cubes) A.S.T.M. C-109	per set <u>\$150</u>
III.	<u>Field Inspection</u>	
	(a) Senior inspector inspect masonry construction to see that proper brick and block are used to check mortar & grout proportions and take periodic 2 x 2 x 2 cubes and to witness reinforcing, plank and grout placement.....	per hour <u>\$95</u>
	(b) Cure, test, and report 2 x 2 x 2 test specimen (set of 3).....	per set <u>\$45</u>
	(c) Transportation of specimens.....	per trip <u>\$75</u>
IV.	<u>Concrete Masonry Units (Concrete Building Brick A.S.T.M. C-55, Masonry units for catch basins and manholes C-139, hollow load bearing C-90, non-load bearing C-129, solid load bearing (C-145)</u>	
	(a) Compressive strength, absorption & dimension A.S.T.M. C-140 (set of 3 units).....	per set <u>\$400</u>
	(b) Efflorescence A.S.T.M. C-67 (set of 10 units).....	per set <u>\$1,000</u>
V.	<u>Prisms</u>	
	(a) Compressive strength A.S.T.M. E-447	
8" block per prism	<u>\$450</u>
12" block per prism	<u>\$520</u>