

## PREVAILING WAGES PROJECT RATES

**Project Nam :** ECMS 13242, SR 2103, Section 01B

**Awarding Agency:** PennDOT

**Contract Award Dat :** 9/24/2012

**Serial Number:** 12-04503

**Project Classification:** Highway

**Determination Dat :** 7/16/2012

**Assigned Field Office :** Philadelphia

**Field Office Phone Number:** 215-560-1858

**Toll Free Phone Number:**

### Bucks County

Building	Effective Date	Expiration Date	Hourly Rate	Fringe Benefits	Total
Asbestos & Insulation Workers	5/1/2010		\$39.64	\$28.00	\$67.64
Asbestos & Insulation Workers	5/1/2011		\$40.39	\$28.00	\$68.39
Asbestos & Insulation Workers	5/1/2012		\$41.39	\$28.00	\$69.39
Boilermaker (Commercial, Institutional, and Minor Repair Work)	1/1/2010		\$23.59	\$15.15	\$38.74
Boilermaker (Commercial, Institutional, and Minor Repair Work)	3/1/2011		\$24.22	\$16.02	\$40.24
Boilermakers	1/1/2011		\$37.35	\$28.12	\$65.47
Boilermakers	1/1/2012		\$37.62	\$29.85	\$67.47
Bricklayer	5/1/2009		\$33.97	\$21.74	\$55.71
Bricklayer	5/1/2010		\$33.97	\$22.49	\$56.46
Bricklayer	5/1/2011		\$33.97	\$23.29	\$57.26
Bricklayer	5/1/2012		\$34.97	\$23.59	\$58.56
Carpenter - Chief of Party (Surveying & Layout)	5/1/2010		\$40.19	\$23.34	\$63.53
Carpenter - Chief of Party (Surveying & Layout)	5/1/2011		\$40.77	\$23.84	\$64.61
Carpenter - Chief of Party (Surveying & Layout)	5/1/2012		\$41.34	\$24.34	\$65.68
Carpenter - Chief of Party (Surveying & Layout)	5/1/2013		\$42.55	\$24.34	\$66.89
Carpenter - Chief of Party (Surveying & Layout)	5/1/2014		\$43.99	\$24.34	\$68.33

**PREVAILING WAGES PROJECT RATES**

<b>Building</b>	<b>Effective Date</b>	<b>Expiration Date</b>	<b>Hourly Rate</b>	<b>Fringe Benefits</b>	<b>Total</b>
Carpenter - Instrument Person (Surveying & Layout)	5/1/2010		\$34.95	\$23.34	\$58.29
Carpenter - Instrument Person (Surveying & Layout)	5/1/2011		\$35.45	\$23.84	\$59.29
Carpenter - Instrument Person (Surveying & Layout)	5/1/2012		\$35.95	\$24.34	\$60.29
Carpenter - Instrument Person (Surveying & Layout)	5/1/2013		\$37.00	\$24.34	\$61.34
Carpenter - Instrument Person (Surveying & Layout)	5/1/2014		\$38.25	\$24.34	\$62.59
Carpenter - Rodman (Surveying & Layout)	5/1/2012		\$16.54	\$21.88	\$38.42
Carpenter - Rodman (Surveying & Layout)	5/1/2013		\$17.02	\$21.88	\$38.90
Carpenter - Rodman (Surveying & Layout)	5/1/2014		\$17.60	\$21.88	\$39.48
Carpenters	5/1/2010		\$34.95	\$23.34	\$58.29
Carpenters	5/1/2011		\$35.45	\$23.84	\$59.29
Carpenters	5/1/2012		\$35.95	\$24.34	\$60.29
Carpenters	5/1/2013		\$37.00	\$24.34	\$61.34
Carpenters	5/1/2014		\$38.25	\$24.34	\$62.59
Cement Masons	11/1/2009		\$32.20	\$24.96	\$57.16
Cement Masons	5/1/2010		\$32.20	\$25.71	\$57.91
Cement Masons	5/1/2011		\$32.45	\$26.46	\$58.91
DockBuilder/Pile Drivers (Building, Heavy & Highway)	7/1/2009		\$37.50	\$26.63	\$64.13
DockBuilder/Pile Drivers (Building, Heavy & Highway)	7/1/2010		\$37.60	\$27.57	\$65.17
DockBuilder/Pile Drivers (Building, Heavy & Highway)	7/1/2011		\$38.15	\$28.27	\$66.42
DockBuilder/Pile Drivers Divers (Building Heavy & Highway)	7/1/2010		\$45.12	\$27.57	\$72.69
Drapery Installers	5/1/2009		\$31.09	\$21.34	\$52.43
Drywall Finisher	5/1/2009		\$32.79	\$21.37	\$54.16
Drywall Finisher	5/1/2010		\$33.00	\$22.41	\$55.41
Drywall Finisher	5/1/2011		\$33.11	\$23.45	\$56.56
Electric Lineman	5/31/2010		\$44.62	\$19.50	\$64.12
Electric Lineman	5/31/2011		\$45.63	\$19.77	\$65.40
Electric Lineman	11/28/2011		\$46.67	\$20.04	\$66.71
Electric Lineman	5/28/2012		\$47.72	\$20.33	\$68.05
Electric Lineman	11/26/2012		\$48.79	\$20.61	\$69.40

**PREVAILING WAGES PROJECT RATES**

<b>Building</b>	<b>Effective Date</b>	<b>Expiration Date</b>	<b>Hourly Rate</b>	<b>Fringe Benefits</b>	<b>Total</b>
Electricians & Telecommunications Installation Technician	12/1/2011		\$38.53	\$14.27	\$52.80
Electricians & Telecommunications Installation Technician	6/1/2012		\$38.53	\$14.27	\$52.80
Electricians & Telecommunications Installation Technician	6/1/2013		\$38.83	\$14.47	\$53.30
Electricians & Telecommunications Installation Technician	12/1/2013		\$38.92	\$14.89	\$53.81
Electricians & Telecommunications Installation Technician	6/1/2014		\$39.25	\$15.08	\$54.33
Electricians & Telecommunications Installation Technician	12/1/2014		\$39.81	\$15.28	\$55.09
Elevator Constructor	1/1/2011		\$48.15	\$21.99	\$70.14
Elevator Constructor	1/1/2012		\$49.30	\$23.84	\$73.14
Floor Layer	5/1/2010		\$37.41	\$24.06	\$61.47
Floor Layer	5/1/2012		\$38.76	\$24.86	\$63.62
Floor Layer	5/1/2013		\$39.91	\$24.86	\$64.77
Floor Layer	5/1/2014		\$41.26	\$24.86	\$66.12
Glazier	5/1/2009		\$36.64	\$23.81	\$60.45
Glazier	5/1/2010		\$36.67	\$24.53	\$61.20
Glazier	5/1/2011		\$37.35	\$25.25	\$62.60
Iron Workers (Bridge, Structural, Ornamental, Precast)	7/1/2010		\$44.70	\$26.69	\$71.39
Iron Workers (Bridge, Structural, Ornamental, Precast)	7/1/2011		\$44.70	\$27.19	\$71.89
Iron Workers (Bridge, Structural, Ornamental, Precast)	7/1/2012		\$44.70	\$28.14	\$72.84
Iron Workers (Riggers)	7/1/2009		\$34.77	\$17.25	\$52.02
Iron Workers (Riggers)	7/1/2010		\$35.02	\$17.75	\$52.77
Iron Workers (Riggers)	7/1/2011		\$35.52	\$23.98	\$59.50
Iron Workers - Reinforcing Steel Mesh - Rebar	7/1/2009		\$37.18	\$24.40	\$61.58
Iron Workers - Reinforcing Steel Mesh - Rebar	7/1/2010		\$37.43	\$24.90	\$62.33
Iron Workers - Reinforcing Steel Mesh - Rebar	7/1/2011		\$38.03	\$25.40	\$63.43
Laborers (Class 01 - See notes)	5/1/2010		\$23.85	\$22.30	\$46.15
Laborers (Class 01 - See notes)	5/1/2011		\$24.75	\$22.30	\$47.05
Laborers (Class 01 - See notes)	5/1/2012		\$25.15	\$23.00	\$48.15
Laborers (Class 02 - See notes)	5/1/2010		\$25.97	\$21.73	\$47.70
Laborers (Class 02 - See notes)	5/1/2011		\$26.87	\$21.73	\$48.60

**PREVAILING WAGES PROJECT RATES**

<b>Building</b>	<b>Effective Date</b>	<b>Expiration Date</b>	<b>Hourly Rate</b>	<b>Fringe Benefits</b>	<b>Total</b>
Laborers (Class 02 - See notes)	5/1/2012		\$26.45	\$22.85	\$49.30
Laborers (Class 03 - See notes)	5/1/2010		\$24.37	\$22.28	\$46.65
Laborers (Class 03 - See notes)	5/1/2011		\$25.17	\$22.28	\$47.45
Laborers (Class 03 - See notes)	5/1/2012		\$25.45	\$23.23	\$48.68
Laborers (Class 04 - See notes)	5/1/2011		\$25.27	\$21.65	\$46.92
Laborers (Class 04 - See notes)	5/1/2012		\$25.45	\$23.23	\$48.68
Laborers (Class 05 - See notes)	5/1/2011		\$25.42	\$21.45	\$46.87
Laborers (Class 05 - See notes)	5/1/2012		\$25.35	\$22.80	\$48.15
Landscape Laborer	4/1/2009		\$19.31	\$19.98	\$39.29
Landscape Laborer	5/1/2012		\$18.71	\$21.03	\$39.74
Marble Finisher	5/1/2009		\$28.63	\$19.22	\$47.85
Marble Finisher	5/1/2010		\$28.63	\$19.97	\$48.60
Marble Finisher	5/1/2011		\$28.68	\$20.72	\$49.40
Marble Finisher	5/1/2012		\$29.27	\$21.02	\$50.29
Marble Mason	5/1/2010		\$34.36	\$21.77	\$56.13
Marble Mason	5/1/2011		\$34.35	\$22.58	\$56.93
Marble Mason	5/1/2012		\$35.25	\$22.90	\$58.15
Millwright	7/1/2008		\$33.97	\$23.50	\$57.47
Millwright	7/1/2009		\$35.13	\$25.49	\$60.62
Millwright	7/1/2010		\$35.13	\$26.33	\$61.46
Millwright	7/1/2011		\$35.78	\$26.99	\$62.77
Operators Class 01 - See Notes (Building, Heavy, Highway)	5/1/2009		\$40.04	\$21.07	\$61.11
Operators Class 01 - See Notes (Building, Heavy, Highway)	5/1/2010		\$40.04	\$22.07	\$62.11
Operators Class 01 - See Notes (Building, Heavy, Highway)	5/1/2011		\$40.04	\$23.42	\$63.46
Operators Class 01 - See Notes (Building, Heavy, Highway)	5/1/2012		\$40.43	\$24.48	\$64.91
Operators Class 01 - See Notes (Building, Heavy, Highway)	5/1/2013		\$40.81	\$25.55	\$66.36
Operators Class 01a - See Notes (Building, Heavy, Highway)	5/1/2009		\$43.04	\$21.96	\$65.00
Operators Class 01a - See Notes (Building, Heavy, Highway)	5/1/2010		\$43.04	\$22.96	\$66.00
Operators Class 01a - See Notes (Building, Heavy, Highway)	5/1/2011		\$43.04	\$24.31	\$67.35

**PREVAILING WAGES PROJECT RATES**

<b>Building</b>	<b>Effective Date</b>	<b>Expiration Date</b>	<b>Hourly Rate</b>	<b>Fringe Benefits</b>	<b>Total</b>
Operators Class 01a - See Notes (Building, Heavy, Highway)	5/1/2012		\$43.42	\$25.38	\$68.80
Operators Class 01a - See Notes (Building, Heavy, Highway)	5/1/2013		\$43.80	\$26.45	\$70.25
Operators Class 02 - See Notes (Building, Heavy, Highway)	5/1/2009		\$39.79	\$21.00	\$60.79
Operators Class 02 - See Notes (Building, Heavy, Highway)	5/1/2010		\$39.79	\$22.00	\$61.79
Operators Class 02 - See Notes (Building, Heavy, Highway)	5/1/2011		\$39.79	\$23.35	\$63.14
Operators Class 02 - See Notes (Building, Heavy, Highway)	5/1/2012		\$40.83	\$23.76	\$64.59
Operators Class 02 - See Notes (Building, Heavy, Highway)	5/1/2013		\$41.88	\$24.16	\$66.04
Operators Class 02a - See Notes (Building, Heavy, Highway)	5/1/2009		\$42.80	\$21.88	\$64.68
Operators Class 02a - See Notes (Building, Heavy, Highway)	5/1/2010		\$42.80	\$22.88	\$65.68
Operators Class 02a - See Notes (Building, Heavy, Highway)	5/1/2011		\$42.80	\$24.23	\$67.03
Operators Class 02a - See Notes (Building, Heavy, Highway)	5/1/2012		\$43.84	\$24.64	\$68.48
Operators Class 02a - See Notes (Building, Heavy, Highway)	5/1/2013		\$44.88	\$25.05	\$69.93
Operators Class 03 - See Notes (Building, Heavy, Highway)	5/1/2009		\$35.71	\$19.79	\$55.50
Operators Class 03 - See Notes (Building, Heavy, Highway)	5/1/2010		\$35.71	\$20.79	\$56.50
Operators Class 03 - See Notes (Building, Heavy, Highway)	5/1/2011		\$35.71	\$22.14	\$57.85
Operators Class 03 - See Notes (Building, Heavy, Highway)	5/1/2012		\$36.75	\$22.55	\$59.30
Operators Class 03 - See Notes (Building, Heavy, Highway)	5/1/2013		\$37.79	\$22.96	\$60.75
Operators Class 04 - See Notes (Building, Heavy, Highway)	5/1/2009		\$35.40	\$19.71	\$55.11
Operators Class 04 - See Notes (Building, Heavy, Highway)	5/1/2010		\$35.40	\$20.71	\$56.11
Operators Class 04 - See Notes (Building, Heavy, Highway)	5/1/2011		\$35.40	\$22.06	\$57.46
Operators Class 04 - See Notes (Building, Heavy, Highway)	5/1/2012		\$36.45	\$22.46	\$58.91
Operators Class 04 - See Notes (Building, Heavy, Highway)	5/1/2013		\$37.49	\$22.87	\$60.36
Operators Class 05 - See Notes (Building, Heavy, Highway)	5/1/2009		\$33.68	\$19.20	\$52.88
Operators Class 05 - See Notes (Building, Heavy, Highway)	5/1/2010		\$33.68	\$20.20	\$53.88
Operators Class 05 - See Notes (Building, Heavy, Highway)	5/1/2011		\$33.68	\$21.55	\$55.23
Operators Class 05 - See Notes (Building, Heavy, Highway)	5/1/2012		\$34.73	\$21.95	\$56.68

**PREVAILING WAGES PROJECT RATES**

<b>Building</b>	<b>Effective Date</b>	<b>Expiration Date</b>	<b>Hourly Rate</b>	<b>Fringe Benefits</b>	<b>Total</b>
Operators Class 05 - See Notes (Building, Heavy, Highway)	5/1/2013		\$35.77	\$22.36	\$58.13
Operators Class 06 - See Notes (Building, Heavy, Highway)	5/1/2009		\$32.69	\$18.91	\$51.60
Operators Class 06 - See Notes (Building, Heavy, Highway)	5/1/2010		\$32.69	\$19.91	\$52.60
Operators Class 06 - See Notes (Building, Heavy, Highway)	5/1/2011		\$32.69	\$21.26	\$53.95
Operators Class 06 - See Notes (Building, Heavy, Highway)	5/1/2012		\$33.74	\$21.66	\$55.40
Operators Class 06 - See Notes (Building, Heavy, Highway)	5/1/2013		\$34.78	\$22.07	\$56.85
Operators Class 07 (A) - See Notes (Building, Heavy, Highway)	5/1/2009		\$48.05	\$24.43	\$72.48
Operators Class 07 (A) - See Notes (Building, Heavy, Highway)	5/1/2010		\$48.05	\$25.55	\$73.60
Operators Class 07 (A) - See Notes (Building, Heavy, Highway)	5/1/2011		\$48.05	\$27.10	\$75.15
Operators Class 07 (A) - See Notes (Building, Heavy, Highway)	5/1/2012		\$49.30	\$27.59	\$76.89
Operators Class 07 (A) - See Notes (Building, Heavy, Highway)	5/1/2013		\$50.55	\$28.07	\$78.62
Operators Class 07 (B) - See Notes (Building, Heavy, Highway)	5/1/2009		\$47.75	\$24.35	\$72.10
Operators Class 07 (B) - See Notes (Building, Heavy, Highway)	5/1/2010		\$47.75	\$25.47	\$73.22
Operators Class 07 (B) - See Notes (Building, Heavy, Highway)	5/1/2011		\$47.75	\$27.02	\$74.77
Operators Class 07 (B) - See Notes (Building, Heavy, Highway)	5/1/2012		\$49.00	\$27.51	\$76.51
Operators Class 07 (B) - See Notes (Building, Heavy, Highway)	5/1/2013		\$50.25	\$28.00	\$78.25
Painters Class 1 (see notes)	5/1/2009		\$32.31	\$19.24	\$51.55
Painters Class 1 (see notes)	10/1/2009		\$32.31	\$20.12	\$52.43
Painters Class 1 (see notes)	5/1/2010		\$32.31	\$20.84	\$53.15
Painters Class 1 (see notes)	5/1/2011		\$32.94	\$21.49	\$54.43
Painters Class 2 (see notes)	5/1/2009		\$40.85	\$19.59	\$60.44
Painters Class 2 (see notes)	10/1/2009		\$40.85	\$20.34	\$61.19
Painters Class 2 (see notes)	5/1/2010		\$40.85	\$20.94	\$61.79
Painters Class 2 (see notes)	5/1/2011		\$42.20	\$21.59	\$63.79
Painters Class 2 (see notes)	11/1/2011		\$44.17	\$21.62	\$65.79
Painters Class 3 (see notes)	5/1/2009		\$32.69	\$19.24	\$51.93
Painters Class 3 (see notes)	10/1/2009		\$32.69	\$20.12	\$52.81
Painters Class 3 (see notes)	5/1/2010		\$32.69	\$20.84	\$53.53

**PREVAILING WAGES PROJECT RATES**

<b>Building</b>	<b>Effective Date</b>	<b>Expiration Date</b>	<b>Hourly Rate</b>	<b>Fringe Benefits</b>	<b>Total</b>
Painters Class 3 (see notes)	5/1/2011		\$33.32	\$21.49	\$54.81
Plasterers	5/1/2010		\$32.90	\$24.85	\$57.75
Plumbers	5/1/2010		\$41.53	\$26.01	\$67.54
Plumbers	5/1/2011		\$41.53	\$28.01	\$69.54
Plumbers	5/1/2012		\$41.53	\$30.26	\$71.79
Pointers, Caulkers, Cleaners	5/1/2009		\$35.05	\$20.85	\$55.90
Pointers, Caulkers, Cleaners	5/1/2010		\$35.05	\$21.60	\$56.65
Pointers, Caulkers, Cleaners	5/1/2011		\$35.10	\$22.45	\$57.55
Pointers, Caulkers, Cleaners	5/1/2012		\$36.10	\$22.75	\$58.85
Roofers (Composition)	5/1/2009		\$30.00	\$23.10	\$53.10
Roofers (Composition)	5/1/2010		\$30.75	\$24.95	\$55.70
Roofers (Composition)	5/1/2011		\$30.75	\$25.95	\$56.70
Roofers (Shingle, Slate, Tile)	5/1/2009		\$23.25	\$13.62	\$36.87
Roofers (Shingle, Slate, Tile)	5/1/2011		\$23.75	\$15.62	\$39.37
Sheet Metal Workers	5/1/2010		\$38.36	\$32.67	\$71.03
Sheet Metal Workers (Building, Heavy, Highway)	5/1/2011		\$38.36	\$32.67	\$71.03
Sheet Metal Workers (Building, Heavy, Highway)	5/1/2012		\$39.66	\$33.27	\$72.93
Sign Makers and Hangars	5/21/2010		\$24.33	\$16.37	\$40.70
Sign Makers and Hangars	5/20/2011		\$23.70	\$17.69	\$41.39
Sprinklerfitters	5/1/2010		\$46.12	\$19.85	\$65.97
Sprinklerfitters	1/1/2011		\$46.62	\$19.85	\$66.47
Sprinklerfitters	5/1/2011		\$46.47	\$20.35	\$66.82
Sprinklerfitters	1/1/2012		\$46.65	\$20.82	\$67.47
Steamfitters	5/1/2012		\$44.17	\$26.86	\$71.03
Stone Masons	5/1/2010		\$34.36	\$21.77	\$56.13
Stone Masons	5/1/2011		\$34.35	\$22.58	\$56.93
Stone Masons	5/1/2012		\$35.25	\$22.90	\$58.15
Terrazzo Finisher	5/1/2009		\$32.41	\$18.31	\$50.72
Terrazzo Finisher	5/1/2010		\$32.41	\$19.06	\$51.47
Terrazzo Finisher	5/1/2011		\$32.41	\$19.96	\$52.37

**PREVAILING WAGES PROJECT RATES**

<b>Building</b>	<b>Effective Date</b>	<b>Expiration Date</b>	<b>Hourly Rate</b>	<b>Fringe Benefits</b>	<b>Total</b>
Terrazzo Finisher	5/1/2012		\$33.06	\$20.26	\$53.32
Terrazzo Grinder	5/1/2011		\$32.66	\$19.96	\$52.62
Terrazzo Grinder	5/1/2012		\$33.31	\$20.26	\$53.57
Terrazzo Layers	5/1/2008		\$35.41	\$19.47	\$54.88
Terrazzo Mechanics	5/1/2009		\$35.41	\$20.92	\$56.33
Terrazzo Mechanics	5/1/2010		\$35.41	\$21.67	\$57.08
Terrazzo Mechanics	5/1/2011		\$36.30	\$21.78	\$58.08
Terrazzo Mechanics	5/1/2012		\$37.05	\$22.08	\$59.13
Tile Finisher	5/1/2009		\$29.11	\$19.84	\$48.95
Tile Finisher	5/1/2010		\$29.11	\$20.59	\$49.70
Tile Finisher	5/1/2011		\$29.16	\$21.34	\$50.50
Tile Finisher	5/1/2012		\$29.77	\$21.64	\$51.41
Tile Layers	5/1/2009		\$36.15	\$20.28	\$56.43
Tile Layers	5/1/2010		\$36.15	\$21.03	\$57.18
Tile Layers	5/1/2011		\$36.20	\$21.78	\$57.98
Tile Layers	5/1/2012		\$36.95	\$22.08	\$59.03
Truckdriver class 1(see notes)	5/1/2007		\$23.50	\$11.92	\$35.42
Truckdriver class 1(see notes)	5/1/2010		\$26.00	\$13.48	\$39.48
Truckdriver class 1(see notes)	5/1/2011		\$26.65	\$13.90	\$40.55
Truckdriver class 1(see notes)	5/1/2012		\$26.65	\$14.16	\$40.81
Truckdriver class 1(see notes)	5/1/2012		\$27.54	\$14.16	\$41.70
Truckdriver class 2 (see notes)	5/1/2007		\$23.60	\$11.92	\$35.52
Truckdriver class 2 (see notes)	5/1/2010		\$26.00	\$13.48	\$39.48
Truckdriver class 2 (see notes)	5/1/2012		\$27.64	\$14.16	\$41.80
Truckdriver class 3 (see notes)	5/1/2007		\$23.85	\$11.92	\$35.77
Truckdriver class 3 (see notes)	5/1/2010		\$26.25	\$13.48	\$39.73
Truckdriver class 3 (see notes)	5/1/2012		\$27.89	\$14.16	\$42.05

**PREVAILING WAGES PROJECT RATES**

<b>Heavy/Highway</b>	<b>Effective Date</b>	<b>Expiration Date</b>	<b>Hourly Rate</b>	<b>Fringe Benefits</b>	<b>Total</b>
Carpenter - Chief of Party (Surveying & Layout)	5/1/2010		\$43.76	\$23.40	\$67.16
Carpenter - Chief of Party (Surveying & Layout)	5/1/2011		\$44.56	\$23.90	\$68.46
Carpenter - Chief of Party (Surveying & Layout)	5/1/2012		\$45.61	\$24.44	\$70.05
Carpenter - Chief of Party (Surveying & Layout)	5/1/2013		\$47.28	\$24.44	\$71.72
Carpenter - Instrument Person (Surveying & Layout)	5/1/2010		\$38.05	\$23.40	\$61.45
Carpenter - Instrument Person (Surveying & Layout)	5/1/2011		\$38.75	\$23.90	\$62.65
Carpenter - Instrument Person (Surveying & Layout)	5/1/2012		\$39.66	\$24.44	\$64.10
Carpenter - Instrument Person (Surveying & Layout)	5/1/2013		\$41.11	\$24.44	\$65.55
Carpenter - Rodman (Surveying & Layout)	5/1/2010		\$30.44	\$23.40	\$53.84
Carpenter - Rodman (Surveying & Layout)	5/1/2011		\$31.00	\$21.89	\$52.89
Carpenter - Rodman (Surveying & Layout)	5/1/2012		\$31.73	\$23.43	\$55.16
Carpenter - Rodman (Surveying & Layout)	5/1/2013		\$32.89	\$23.43	\$56.32
Carpenters	5/1/2010		\$38.05	\$23.40	\$61.45
Carpenters	5/1/2011		\$38.75	\$23.90	\$62.65
Carpenters	5/1/2012		\$39.66	\$24.44	\$64.10
Carpenters	5/1/2013		\$41.11	\$24.44	\$65.55
Cement Masons	5/1/2010		\$31.10	\$25.46	\$56.56
Cement Masons	5/1/2011		\$31.35	\$26.21	\$57.56
Cement Masons	5/1/2012		\$32.60	\$26.21	\$58.81
Cement Masons	5/1/2013		\$33.85	\$26.21	\$60.06
Iron Workers (Bridge, Structural Steel, Ornamental, Precast, Reinforcing)	7/1/2010		\$44.70	\$26.69	\$71.39
Iron Workers (Bridge, Structural Steel, Ornamental, Precast, Reinforcing)	7/1/2011		\$44.70	\$27.19	\$71.89
Iron Workers (Bridge, Structural Steel, Ornamental, Precast, Reinforcing)	7/1/2012		\$44.70	\$28.14	\$72.84
Laborers (Class 01 - See notes)	5/1/2010		\$25.15	\$22.00	\$47.15
Laborers (Class 01 - See notes)	5/1/2011		\$25.95	\$22.00	\$47.95
Laborers (Class 01 - See notes)	5/1/2012		\$26.00	\$22.95	\$48.95
Laborers (Class 02 - See notes)	5/1/2010		\$25.15	\$22.00	\$47.15
Laborers (Class 02 - See notes)	5/1/2011		\$25.95	\$22.00	\$47.95
Laborers (Class 02 - See notes)	5/1/2012		\$26.20	\$22.95	\$49.15

**PREVAILING WAGES PROJECT RATES**

<b>Heavy/Highway</b>	<b>Effective Date</b>	<b>Expiration Date</b>	<b>Hourly Rate</b>	<b>Fringe Benefits</b>	<b>Total</b>
Laborers (Class 03 - See notes)	5/1/2010		\$25.15	\$22.00	\$47.15
Laborers (Class 03 - See notes)	5/1/2011		\$25.95	\$22.00	\$47.95
Laborers (Class 03 - See notes)	5/1/2012		\$26.20	\$22.95	\$49.15
Laborers (Class 04 - See notes)	5/1/2010		\$25.15	\$22.00	\$47.15
Laborers (Class 04 - See notes)	5/1/2011		\$25.95	\$22.00	\$47.95
Laborers (Class 04 - See notes)	5/1/2012		\$20.80	\$22.95	\$43.75
Laborers (Class 05 - See notes)	5/1/2010		\$25.15	\$22.00	\$47.15
Laborers (Class 05 - See notes)	5/1/2011		\$25.95	\$22.00	\$47.95
Laborers (Class 05 - See notes)	5/1/2012		\$26.85	\$22.95	\$49.80
Laborers (Class 06 - See notes)	5/1/2010		\$25.15	\$22.00	\$47.15
Laborers (Class 06 - See notes)	5/1/2011		\$25.95	\$22.00	\$47.95
Laborers (Class 06 - See notes)	5/1/2012		\$26.90	\$22.95	\$49.85
Laborers (Class 07 - See notes)	5/1/2010		\$25.15	\$22.00	\$47.15
Laborers (Class 07 - See notes)	5/1/2011		\$25.95	\$22.00	\$47.95
Laborers (Class 07 - See notes)	5/1/2012		\$26.75	\$22.95	\$49.70
Laborers (Class 08 - See notes)	5/1/2010		\$25.15	\$22.00	\$47.15
Laborers (Class 08 - See notes)	5/1/2011		\$25.95	\$22.00	\$47.95
Laborers (Class 08 - See notes)	5/1/2012		\$26.50	\$22.95	\$49.45
Laborers (Class 09 - See notes)	5/1/2010		\$25.15	\$22.00	\$47.15
Laborers (Class 09 - See notes)	5/1/2011		\$25.95	\$22.00	\$47.95
Laborers (Class 09 - See notes)	5/1/2012		\$26.35	\$22.95	\$49.30
Laborers (Class 10- See notes)	5/1/2010		\$25.15	\$22.00	\$47.15
Laborers (Class 10- See notes)	5/1/2011		\$25.95	\$22.00	\$47.95
Laborers (Class 10- See notes)	5/1/2012		\$26.50	\$22.95	\$49.45
Laborers (Class 11 -See Notes)	5/1/2010		\$25.15	\$22.00	\$47.15
Laborers (Class 11 -See Notes)	5/1/2011		\$25.95	\$22.00	\$47.95
Laborers (Class 11 -See Notes)	5/1/2012		\$26.40	\$22.95	\$49.35
Laborers (Class 12 -See Notes)	5/1/2010		\$25.15	\$22.00	\$47.15
Laborers (Class 12 -See Notes)	5/1/2011		\$25.95	\$22.00	\$47.95
Laborers (Class 12 -See Notes)	5/1/2012		\$28.10	\$22.95	\$51.05
Laborers (Class 13 -See Notes)	5/1/2010		\$25.15	\$22.00	\$47.15

## PREVAILING WAGES PROJECT RATES

Heavy/Highway	Effective Date	Expiration Date	Hourly Rate	Fringe Benefits	Total
Laborers (Class 13 -See Notes)	5/1/2011		\$25.95	\$22.00	\$47.95
Laborers (Class 13 -See Notes)	5/1/2012		\$30.13	\$22.95	\$53.08
Laborers (Class 14 -See Notes)	5/1/2010		\$25.15	\$22.00	\$47.15
Laborers (Class 14 -See Notes)	5/1/2011		\$25.95	\$22.00	\$47.95
Laborers (Class 14 -See Notes)	5/1/2012		\$26.15	\$22.95	\$49.10
Landscape Laborer	4/1/2010		\$18.44	\$19.90	\$38.34
Landscape Laborer	5/1/2012		\$18.84	\$20.30	\$39.14
Steamfitters (Heavy and Highway - Gas Distribution)	5/1/2009		\$40.24	\$24.84	\$65.08
Steamfitters (Heavy and Highway - Gas Distribution)	5/1/2010		\$41.94	\$26.09	\$68.03
Steamfitters (Heavy and Highway - Gas Distribution)	5/1/2012		\$44.17	\$26.86	\$71.03
Truckdriver class 1(see notes)	5/1/2010		\$25.90	\$13.48	\$39.38
Truckdriver class 1(see notes)	5/1/2011		\$26.65	\$13.90	\$40.55
Truckdriver class 1(see notes)	5/1/2012		\$27.39	\$14.16	\$41.55
Truckdriver class 2 (see notes)	5/1/2010		\$26.00	\$13.48	\$39.48
Truckdriver class 2 (see notes)	5/1/2011		\$26.65	\$13.90	\$40.55
Truckdriver class 2 (see notes)	5/1/2012		\$27.49	\$14.16	\$41.65
Truckdriver class 3 (see notes)	5/1/2010		\$26.25	\$13.48	\$39.73
Truckdriver class 3 (see notes)	5/1/2011		\$26.90	\$13.90	\$40.80
Truckdriver class 3 (see notes)	5/1/2012		\$27.74	\$14.16	\$41.90

**Notes:**

If you can not find a classification under Heavy/Highway please refer to the Building classifications.

For further information on construction types review the "Notes as Referenced in Predeterminations" on the Labor and Industry Website. Go to [www.dli.state.pa.us](http://www.dli.state.pa.us), scroll down to the picture labeled "Labor Law Compliance" and click the picture. Then scroll down on the left menu and click on the "Prevailing Wage" link.

**Notes for Heavy & Highway Laborers in Five (5) County Area (Philadelphia Area)**

Philadelphia, Montgomery, Bucks, Chester and Delaware

**HEAVY & HIGHWAY LABORERS****CLASS 1**

Yardwork Laborers  
Scale Mix Yardwork Laborers  
Scale Mixer Men  
Bumermen  
Feeders  
Dustmen

**CLASS 2**

General Journeyman Laborer  
Asphalt Shevelers  
Sheeting, Shoring & Lagging Laborers  
Stone, Granite & Artificial Stone Setting Laborer  
HOD Carriers  
Scaffold Builders  
Relief Joints & Placing Gabions  
Pneumatic Tool Laborers  
Concrete Forms & Stripping Laborers  
Concrete & Lumber Material Laborers  
Steel \* Steel Mesh (Carrying & Handling)  
Form Pinners  
Mortar Mixers  
Pouring & Placing Concrete  
Grade Men

**CLASS 3**

Vibrator Laborer  
Finish Surface Asphalt Rackers  
Jackhammer Operators  
Paving Breaker Operator  
Pipelayer & Caulker (All Joints up to Within 5 Feet of Building Foundation Line)  
Conduit & Duct Layers

**CLASS 4**

Flagperson

**CLASS 5**

Miners

**CLASS 6**

Welders & Burners

**CLASS 7**

Miner Bore Driver  
Blasters  
Drillers  
Pneumatic Shield Operator

**CLASS 8**

Miners Helpers  
Form Setters

**CLASS 9**

Trackmen  
Brackmen  
Groutmen  
Bottom Shaft Men  
All Other Laborers in Free Air Tunnels  
Underpinning

**CLASS 10**

Circular Caissons  
Welders, Burners & Air Tuggers

**CLASS 11**

Powdermen  
Multiple Wagon Drill Operator Laborers

**CLASS 12**

Caisson Laborer Foreman

**CLASS 13**

Toxic/Hazardous Waste Handler

**CLASS 14**

Wagon Drill/Hydraulic Track Drill Operator Laborer

**Definitions for 5 County Building, Heavy, Highway Operators**

Chester, Montgomery, Bucks, Philadelphia, & Delaware

**Operators Class 1**

Handling Steel & Stone in Connection with Erection	Cranes doing Hook Work * **
Any Machines Handling Machinery	Cable Spinning Machine
Helicopter	Rail Loader (Winch Boom Type)
High Rail/Burro Crane	

***Machines Similar to above including remote control equipment***

**Operators Class 1 (A)**

Machines Handling Steel, or the Functional Equivalent, and Stone in connection with Erection 15 Ton and over Factory Rating	Cranes doing Hook Work 15 Ton and over Factory Rating * **
Any Machines Handling Machinery	High Rail/Burro Crane 15 Ton and over Factory Rating
Rail Loader (Winch Boom Type) 15 Ton and over Factory Rating	Concrete Pumps (Building)
Equipment in Wage Group 1 that does not require an Oiler	Concrete Pumps (Building) 120 Feet of Boom Length or less (200 yard pour or less)

***Machines Similar to above including remote control equipment***

**Operators Class 2**

All Types of Cranes * **	Conveyor Loaders (Euclid-Type Wheel)
Cableways	All Types of Shovels
Drag Lines	Pavers 21E & Over
Derricks	Trenching Machines
Trench Shovels	Hoist with Two Towers
Pippin Type Backhoes	Front-End Loaders
Building Hoists - Double Drum (Unless used as a Single Drum)	Bobcat
Boat Captain	Directional Boring Machines
Side Boom	Vermeer Saw Type Machine (Other than Hand Held)
Vermeer Saw Type Machine	Chipper with Boom
Tractor Mounted Hydro Axe	Bundle Puller-Extractors (Tubular Type)
All Autograde & Concrete Finishing Machines	Ballast Regulators
Production Switch Tamper	Rail/Road Loader
Tie Replacer	Portable Rock Crusher
Power Jack Liner	Tandem Scrapers
Keystones	Mucking Machines in Tunnel
Milling Machine	Tower Type Crane Operation, Erecting, Dismantling, Jumping or Jacking
Drills Self-Contained (Drillmaster Type)	Fork Lift (20 feet & over)
Motor Patrols (Fine Grade)	Batch Plant with Mixer
Carryalls, Scrapers & Tournapulls	Rollers (High Grade Finishing)
Spreaders (Asphalt)	Bulldozers & Tractors

Mechanic – Welder

Concrete Pumps (Heavy, Highway)

***Machines Similar to above including remote control equipment***

**Operators Class 2 (A)**

Gradalls

All Types of Backhoes

Crawler Backhoes and Crawler Gradalls over four Cubic Yard Factor Rating

Hydraulic Backhoes over One Cubic Yard Factor Rating

Single Person Operation Truck Cranes 15 Ton and Over Factory Rating

Cherry Picker Type Machinery and Equipment 15 Ton and Over Factory Rating

Concrete Pumps (Heavy/Highway)

Equipment in Wage Group 2 that does not require an Oiler

***Machines Similar to above including remote control equipment***

**Operators Class 3**

Conveyors (Except Building Conveyors)

Building Hoists (Single Drum)

Well Drillers

Asphalt Plant Engineers

Fork Lift Trucks of all Types

Ditch Witch (Small Trencher)

Motor Patrols

Concrete Breaking Machines (Guillotine Only)

Rollers

Fine Grade Machines

Stump Grinder

High or Low Pressure Boilers

Elevator Operator (New Construction)

***Machines Similar to above including remote control equipment***

**Operators Class 4**

Seamen Pulverizing Mixer

Form Line Graders

Farm Tractors

Road Finishing Machines

Concrete Spreaders (Heavy, Highway)

Grease Truck

Power Broom (Self-Contained)

Seed Spreader

***Machines Similar to above including remote control equipment***

**Operators Class 5**

Conveyors (Building)

Welding Machines

Heaters

Well Point Pumps

Compressors

Pumps

Miscellaneous Equipment Operator

Tireman, Power Equipment

Maintenance Engineers (Power Boats)

Elevator Operator (Renovations)

House Car

***Machines Similar to above including remote control equipment***

**Operators Class 6**

Fireman

Oilers & Deck Hands (Personnel Boats)

Grease Truck Helper

***Machines Similar to above including remote control equipment***

**Operators Class 7 (A) (Toxic/Hazardous Waste Removal)**

Handling Steel & Stone In Connection with Erection	Cranes doing Hook Work
Any Machines Handling Machinery	Cable Spinning Machine
Helicopters	Concrete Pumps (Building)
High Rail/Burro Crane	Rail Loader (Winch Boom Type)

**Machines Similar to above including remote control equipment**

**Operators Class 7 (B) (Toxic/Hazardous Waste Removal)**

All Types of Cranes	All types of Backhoes
Cableways	Conveyor Loader (Euclid-Type Wheel)
Drag Lines	Keystones
All Types of Shovels	Derricks
Pavers 21E & Over	Trench Shovels
Trenching Machines	Gradalls
Front-End Loaders	Boat Captain
Hoist with Twp Towers	Concrete Pumps (Heavy, Highway)
Building Hoists-Double Drum (Unless Used as a Single Drum)	Milling Machine
Mucking Machines in Tunnel	Pippin Type Backhoes
Bobcat	Tandem Scrapers
Side Boom	Tower Type Crane – Operation, Erecting
Dismantling, Jumping or Jacking	Directional Boring Machines
Vermeer Saw Type Machine (Other Than Hand Held)	Drills Self-Contained (Drillmaster Type)
Fork Lift (20Ft & Over)	Tractor Mounted Hydro Axe
Motor Patrols (Fine Grade)	Chipper with Boom
Batch Plant with Mixer	All Autograde & Concrete Finishing Machines
Carryalls, Scrapers & Tournapulls	Rollers (high Grade Finishing)
Bundle Pullers/Extractors (Tubular)	Spreaders (Asphalt)
Bulldozers & Tractors	Mechanic – Welders
Production Switch Tamper	Ballast Regulators
Tie Replacer	Rail/Road Loader
Power Jack Liner	

**Machines Similar to above including remote control equipment**

\* On Building Projects - On all machines with booms, jibs, masts and leads, including tower cranes, 100 feet from ground up, fifty (\$.50) cents per hour additional will be paid for each increment of 25 feet over 100 feet. On cranes with booms (including jibs, masts and leads) 200 feet and over, two (2) operators will be required. When two (2) operators are employed, no oiler will be required.

Booms to be measured from the ground up. Tower cranes calculated from ground up and out for purpose of boom pay

\*\* On Heavy and Highway Projects: On all machines with booms, jibs, masts, and leads, including tower cranes, 100 ft. and over, thirty-five (\$.35) cents per hour additional will be paid for each increment of 25' over 100'. On cranes with booms (including jibs, masts and leads) 200 ft. and over, two (2) operators will be required. When 2 operators are employed, no oiler will be required. Booms to be measured from the ground up.

**ASBESTOS REMOVAL -- ASBESTOS WORKER/LABORER**

**AMENDED FOR 11/21/97**

The removal of asbestos containing materials should be handled as follows:

1. The removal of all insulation materials, whether they contain asbestos or not, from mechanical systems (pipes, boilers, ducts, flues, breachings, etc.) will be recognized as work to be classified as Asbestos Worker.
2. On all mechanical systems (pipes, boilers, ducts, flues, breachings, etc.) that are going to be scrapped, the removal of all insulating material, whether they contain asbestos or not, will be classified as Laborers.
3. The removal of all asbestos containing materials from walls, ceilings, floors, columns and all other non-mechanical structures and surfaces, etc., will be held to the classification of Laborers (with the exception of roofing materials).
4. The term "removal" shall not include sealing, labeling and dropping of scrap material into appropriate containers. After the drop, the final disposal will be classified as Laborers.
5. The loading at the designated area of all materials that have been removed, bagged and tagged, as well as clean-up and all unloading, burying and other work required at the disposal site should be classified as Laborers.

**Notes for Building, Heavy, Highway Truckdriver**

**Truckdriver Class 1**

Single Axle

**Truckdrivers Class 2**

Tandem  
Tri-Axle  
Semi-Trailer (Combination)

**Truckdrivers Class 3**

Speciality Vehicles

**Painters Notes for Building, Heavy,  
Highway Painters**

**Cameron, Crawford, Forest, Potter & Warren Counties**

**Painters Class 1** - Industrial Rates (Heavy/Highway)

**Painters Class 2** - Commercial Rates (Building)

**Allegheny, Fayette, Greene & Washington Counties**

**Painters Class 1** - Industrial Brush & Roll (Heavy/Highway)

**Painters Class 2** - Industrial Sandblast & Spray (Heavy/Highway)

**Painters Class 3** - Bridge, Hot Stack, & Transmission Towers (Heavy/Highway)

**Painters Class 4** - Painter Tender I (Heavy/Highway)

**Painters Class 5** - Painter Tender II (Heavy/Highway)

**Painters Class 6** - Commercial Painting & Paperhanging (Building)

**Armstrong, Beaver, Bedford, Blair, Butler, Cambria, Centre, Clarion, Clearfield, Elk, Fulton, Huntingdon, Indiana, Jefferson,  
Juniata, Lawrence, Mercer, Mifflin, Somerset, Venango & Westmoreland Counties**

**Painters Class 1** - Industrial Brush & Roll (Heavy/Highway)

**Painters Class 2** - Industrial Sandblast & Spray (Heavy/Highway)

**Painters Class 3** - Bridge, Hot Stack, & Transmission Towers (Heavy/Highway)

**Painters Class 4** - Painter Tender I (Heavy/Highway)

**Painters Class 5** - Painter Tender II (Heavy/Highway)

**Painters Class 6** - Commercial Painting & Paperhanging (Building)

**Bucks, Chester, Delaware, Montgomery & Philadelphia Counties**

**Painters Class 1** - Brush, Roller & Spray

**Painters Class 2** - Bridge

**Painters Class 3** - Wallcoverer

**Adams, Berks, Bradford, Carbon, Clinton, Columbia, Cumberland, Dauphin, Franklin, Lackawanna, Lancaster,  
Lebanon, Lehigh, Luzerne, Lycoming, Monroe, Montour, Northampton, Northumberland, Perry, Pike, Schuylkill, Snyder,  
Sullivan, Susquehanna, Tioga, Union, Wayne, Wyoming & York Counties**

**Painters Class 1** - Commercial\*

**Painters Class 2** - Industrial (includes Structural Steel, Industrial Spray & Sandblasting)\*

**Painters Class 3** - Bridge\*

\* \$1.00per hour above the rate for all classifications for work done in the following manner: Steel, Spray, Epoxy, HIPAC Coatings, Catalyzed Epoxy, Urethanes, Removers, Swing, Basket, and Sandblasting

**Clinton County**

**Painters Class 1** - Spray

**Painters Class 2** - Brush & Roller

PENNDOT FORM EDD-VI

ENVIRONMENTAL DUE DILIGENCE (EDD) PHASE 1  
VISUAL INSPECTION FORM

DATE: \_\_\_\_\_

SR/SEC: \_\_\_\_\_ COUNTY: \_\_\_\_\_

SEGMENT: \_\_\_\_\_

ECMS  
Project#: \_\_\_\_\_

ACTIVITY: \_\_\_\_\_

Location: \_\_\_\_\_

**Visual Site Inspection (EDD-PHASE 1):**

- *Stressed Vegetation* Yes [ ] No [ ]
- *Staining on Soils* Yes [ ] No [ ]
- *Staining Along PennDOT ROW  
or on ROW Materials* Yes [ ] No [ ]
- *Detectable Odors* Yes [ ] No [ ]

Comments: Attached additional pages or information as necessary.

**Findings**

Check one:

- Due diligence inspection performed and no visual evidence of a spill or release in project ROW was detected.
- Due diligence inspection performed and evidence of a spill or release in project ROW was detected. Phase 2 documents attached.
- Due diligence not applicable for this project. No waste or fill.

SIGNATURE: \_\_\_\_\_

PRINTED NAME: \_\_\_\_\_

TITLE: \_\_\_\_\_

ORGANIZATION: \_\_\_\_\_

**\* FORM MUST BE MAINTAINED FOR A MINIMUM 5 YEARS IN THE PROJECT FILE\***

PENNDOT EDD-VII

CLEAN FILL ENVIRONMENTAL DUE DILIGENCE [EDD] PHASE 2

DATE : \_\_\_\_\_

SR/SEC : \_\_\_\_\_ ECMS PROJECT # : \_\_\_\_\_

SEGMENT : \_\_\_\_\_

COUNTY : \_\_\_\_\_

ACTIVITY : \_\_\_\_\_

LOCATION : \_\_\_\_\_

A Phase 1 EDD was conducted for the above project and has identified evidence of a potential spill or release of regulated substances to the material. A Phase 2 EDD was performed.

**Findings** Check all that apply:

- 1. Based on the results of the Phase 2 investigations, it has been determined that **no** spill or release has occurred.
- 2. Based on the results of the Phase 2 investigations, there is documented evidence that a spill or release has occurred. **MUST COMPLETE ITEM 3**
- 3. If Item 2 is checked, Item 3 must be completed: The materials were Collected and sampled, in accordance with Appendix A of the PADEP Management of Fill Guidance, and
  - All regulated substances analyzed were reported as non-detectable. Form FP-001 must be completed along with the laboratory data, and provided to the property owner of the fill receiving site. Attach documentation.
  - The concentration of regulated substances detected were below the levels indicated in Table FP-1a/1b. Form FP-001 must be completed along with the laboratory data, and provided to the property owner of the fill receiving site. Attach documentation.
  - The concentration of regulated substances detected exceeds the levels in Table FP-1a/1b, but are below the levels indicated in Table GP-1a/1b. **The material is Regulated Fill** and must be approval by the PENNDOT Project Manager for use. If approved, PADEP General Permit WMGR096 must be obtained.
  - The concentration of regulated substances detected exceeds the levels in Table GP-1a/1b. **The materials are a waste.** Manage in accordance with applicable PA Solid Waste Management Act waste regulations. Attach documentation.

SIGNATURE : \_\_\_\_\_

PRINTED NAME : \_\_\_\_\_

TITLE : \_\_\_\_\_

ORGANIZATION : \_\_\_\_\_

**ENVIRONMENTAL DUE DILIGENCE PHASE 2: CLEAN FILL DETERMINATION**

**NOTE: PERSONS INVOLVED IN PERFORMING EDD ACTIVITIES DO NOT NEED TO COMPLETE ALL STEPS OF THIS PROCESS. ONLY THOSE REQUIRED FOR PROPERLY CHARACTERIZING MATERIALS TO DETERMINE THEY ARE CLEAN FILL.**

**EDD Phase 2: STEP 1**

- **Property ownership and use histories (deed reviews) for evidence of potential releases of wastes or chemicals from operations along the PennDOT ROW:**

Land and Property Use and Ownership Types Found (Check All That Apply):

- *Public* [ ]
- *Private* [ ]
- *Agricultural* [ ]
- *Industrial* [ ]
- *Commercial* [ ]
- *Residential* [ ]
- *Unused* [ ]
- *Other* [ ]

(Specify) \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

- **Searching environmental databases to determine the existence of potential impacts from any types of waste sites or related activities that exist or may have existed within the vicinity of the PennDOT ROW: (See Appendix 1)**

Databases Searched (Check All That Apply):

- *PennDOT* [ ]
- *PA DEP* [ ]
- *US EPA* [ ]
- *Other* [ ]

(Specify) \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**ENVIRONMENTAL DUE DILIGENCE PHASE 2: CLEAN FILL DETERMINATION**

- **Conducting Interviews with All Relevant Parties to determine whether there had been any incidents that involved the release of substances directly to the PennDOT ROW:**

Interviews Conducted (Check All That Apply):

- *Former Property Owners* [ ]
- *Current Property Owners* [ ]
- *Former Land Owners* [ ]
- *Current Land Owners* [ ]
- *Fire Departments* [ ]
- *Hazardous Materials Teams* [ ]
- *Regulatory Agencies* [ ]

(Specify) \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

- **Examination of aerial photographs in order to determine all land uses within the vicinity of the ROW:**

- Aerial Photographs Evaluated Yes [ ] No [ ]; if “Yes”: refer to Appendix 1 for a Pennsylvania Department of Conservation and Natural Resources (PA DCNR) web site address for locating aerial photographs.

- **Examination of Sanborne or other fire insurance maps (*there is an additional cost for obtaining these*), in order to determine the existence of businesses that may have had any prior releases of **regulated substances** to the PennDOT ROW:**

- *Sanborne Fire Insurance Maps Examined* [ ]; refer to Appendix 1 for web site address and telephone number for obtaining these maps;
- *Alternate Fire Insurance Maps Examined* [ ]

(Specify) \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**EDD Phase 2 STEP 2:**

- **Sampling and Analysis of PennDOT ROW Materials. If there is documented evidence of a spill or release, materials must be tested to determine if they are clean fill, **regulated fill, or** to characterize for proper waste disposal.**
- **Sampling and analysis should be conducted in accordance with Appendix A of the PA DEP Management of Fill Guidance: 258-2182-773 April 24, 2004.**

## ENVIRONMENTAL DUE DILIGENCE PHASE 2: CLEAN FILL DETERMINATION

### APPENDIX 1: LISTING OF WEB SITES AND RELATED CONTACTS FOR ENVIRONMENTAL DUE DILIGENCE DATABASE SEARCHES

#### Pennsylvania Department of Environmental Protection (PA DEP) -Related Sites

- **Pennsylvania Municipal and Residual Waste Facilities** (web link: [www.dep.state.pa.us/dep/deputate/airwaste/wm/mrw/Docs/Landfill\\_list.htm](http://www.dep.state.pa.us/dep/deputate/airwaste/wm/mrw/Docs/Landfill_list.htm)); (this website contains descriptions of all Pennsylvania landfills and incinerators (site name, permit number, host county, municipality, and contact person), all arranged by PA DEP region; for more information, click on either the facility name link (this leads to the PA DEP Environmental Facility Application and Compliance Tracking System (E-Facts) information about any specific facility) or contact person (e-mail) link).
- **Pennsylvania Land Recycling and Environmental Remediation Standards Act (Act 2) Sites** (web link: [www.pasitefinder.state.pa.us/Site\\_listing.asp](http://www.pasitefinder.state.pa.us/Site_listing.asp)); this website contains information on all Act 2 sites that have been completed to date and updates that are made to the website when needed; click on the “more details” box associated with each site listed to obtain an interactive “E-Map” location/link for any site selected along with pertinent site information).
- **Pennsylvania Hazardous Sites Cleanup Act (HSCA) Sites** (web link: [www.dep.state.pa.us/dep/deputate/airwaste/wm/hscp/docs/HSCA\\_Site\\_List.pdf](http://www.dep.state.pa.us/dep/deputate/airwaste/wm/hscp/docs/HSCA_Site_List.pdf)); this website brings up a list of Pennsylvania HSCA sites that are arranged by PA DEP Region and shows municipality, county, number and dates for HSCA responses (interim and remedial levels), in addition to the site status (complete, listed on Pennsylvania Priority List, or de-listed).
- **Pennsylvania Storage Tank Release and Active Storage Tank Sites** (web link for storage tank releases: [www.dep.state.pa.us/dep/deputate/airwaste/wm/Tanks/Document/tank\\_release.htm](http://www.dep.state.pa.us/dep/deputate/airwaste/wm/Tanks/Document/tank_release.htm)); this website contains a listing of all known storage tank incidents, and is arranged by PA DEP region (with each regional incident alphabetized by county); other details included are facility I. D. #, site name, address, city, county, incident description, confirmation date, type of incident (underground storage tank release (petroleum or hazardous material), or above-ground storage tank release; click on the “Tank Incidents” PDF or Adobe Acrobat Files to see the entire list of storage tank releases to date); web link for active storage tanks: [www.dep.state.pa.us/dep/deputate/airwaste/wm/tanks/storagetanks/tank\\_listings.htm](http://www.dep.state.pa.us/dep/deputate/airwaste/wm/tanks/storagetanks/tank_listings.htm); click on the PA DEP Regional links to obtain Excel spreadsheet lists of storage tanks; information similar to what can be found on the storage tank release sites (except releases) can be found on the active storage tanks list).

## ENVIRONMENTAL DUE DILIGENCE PHASE 2: CLEAN FILL DETERMINATION

### APPENDIX 1: LISTING OF WEB SITES AND RELATED CONTACTS FOR ENVIRONMENTAL DUE DILIGENCE DATABASE SEARCHES

#### United States Environmental Protection Agency (US EPA)-Related Sites

- ***Pennsylvania Comprehensive Environmental Response and Liability Act (CERCLA/Superfund) Sites*** (web link: [www.epa.gov/reg3hwmd/super/PA/index.htm](http://www.epa.gov/reg3hwmd/super/PA/index.htm)); this website contains information on all Pennsylvania Superfund sites, including name, address, city, county, zip code, US EPA I. D. number, and National Priority List (NPL) status; click on the site name to learn more about any Superfund site).
- ***Pennsylvania Resource Conservation and Recovery Act (RCRA) Facilities*** (web link: [www.epa.gov/reg3wcmd/ca/pa.htm](http://www.epa.gov/reg3wcmd/ca/pa.htm)); this website contains information for all Pennsylvania RCRA sites, including facility name (click on this for more details), US EPA I. D. number, location (click on this link to get a map showing the site in relation to nearby roadways), environmental indicators (human exposure, groundwater – click on either of these to get the documentation sheets for either or both), and clean up status (initiated, remedy selected, complete with or without controls, construction completed)).
- ***Toxic Release Inventories (TRI)*** (web link: [www.epa.gov/tri](http://www.epa.gov/tri)); this website is from the US EPA, and contains some background information about TRI is and how it is used; releases for specific areas can be found by entering a zip code on the title page; from here, the user can view the facilities that are part of the TRI for the zip code entered, and the extent of releases that have occurred over the years (starting with 1989, and continuing through 2001, the latest year for which TRI information is available); click on the name of any facility shown to obtain a detailed report about the releases and related activities associated with the facility (onsite, off-site, air emissions, water discharges, land disposal)).
- ***Comprehensive Federal and State Site Environmental Database (Enviro-Facts)*** (web link: [www.epa.gov/enviro/index\\_java.html](http://www.epa.gov/enviro/index_java.html)); this website contains information about virtually every type of environmental matter known, both in terms of facilities and the media affected by these facilities' collective activities; under the “**topics**” tab, click on the links related to “*waste*”, “*water*”, “*air*”, “*toxics*”, “*land*”, “*radiation*”, “*maps*”, and “*other*”, to determine the type of media information desired; under the “**advanced capabilities**” tab, click on the “*queries*”, “*maps*”, or “*reports*” links to locate more specific information; from here, the user will be led to a page where queries about any type of environmental site can be entered using a zip code, county or State abbreviation; click on the “find it” link to locate information about one or multiple environmental sites, or, to generate map locations for the any type of environmental site activity desired; the map is interactive, and the user can “zoom in” for closer details about the site; this database may include information on sites from the aforementioned Municipal and Residual Waste, Storage Tanks, RCRA, HSCA, CERCLA, Act 2, and TRI databases; sites with National Pollutant Discharge Elimination System (NPDES) and radiation-related permits also included in this database).

## ENVIRONMENTAL DUE DILIGENCE PHASE 2: CLEAN FILL DETERMINATION

### APPENDIX 1: LISTING OF WEB SITES AND RELATED CONTACTS FOR ENVIRONMENTAL DUE DILIGENCE DATABASE SEARCHES

#### Sites for Aerial Photographs and Fire Insurance Maps

- ***Aerial Photographs:*** Aerial photographs may be accessed via the Pennsylvania Department of Conservation and Natural Resources (PA DCNR) web site (web link: [www.dcnr.state.pa.us/topogeo/gismaps/aerials.aspx.htm](http://www.dcnr.state.pa.us/topogeo/gismaps/aerials.aspx.htm); click on the “Proceed to the new DCNR” link, then click on the “Aerial Photos” option; this will lead to a link for the U. S. Geological Survey’s Aerial Photo Finder; information can be sought, and site location maps can be generated by selecting the “zip code”, “populated place”, or “map location” options).
- ***Sanborne Fire Insurance Maps:*** These maps may be obtained from EDR Sanborne, Inc., at 1-800-352-0050, or at [www.edrnet.com](http://www.edrnet.com); click on the “Sanborne Maps” link, and then click on the phrase “Download Sample” to view an example of this map type. **There is an additional cost for obtaining these maps.**

ENVIRONMENTAL DUE DILIGENCE (EDD) PHASE 1  
VISUAL INSPECTION FORM

DATE: 12/27/2011  
SR/SEC: 2103-01B COUNTY: Bucks  
SEGMENT: 0030  
ECMS  
Project#: 13242  
ACTIVITY: Bridge Replacement  
Location: Buckingham Twp

Visual Site Inspection (EDD-PHASE 1):

- Stressed Vegetation Yes [ ] No []
- Staining on Soils Yes [ ] No []
- Staining Along PennDOT ROW  
or on ROW Materials Yes [ ] No []
- Detectable Odors Yes [ ] No []

Comments: Attached additional pages or information as necessary.

Findings

Check one:

- Due diligence inspection performed and no visual evidence of a spill or release in project ROW was detected.
- Due diligence inspection performed and evidence of a spill or release in project ROW was detected. Phase 2 documents attached.
- Due diligence not applicable for this project. No waste or fill.

SIGNATURE: Steven P. Fellin  
PRINTED NAME: Steven P. Fellin  
TITLE: Project Manager  
ORGANIZATION: PADOT





**PINEVILLE ROAD BRIDGE RENDERING ■ APPROACH VIEW ■ NEW HOPE FACADE - BEAM COLOR OPTION #3**

# Steel Escalation Option

The undersigned hereby certifies that he/she is authorized to make a decision, on behalf of the Bidder, regarding application of the provisions of the Standard Special Provision entitled "Price Adjustment for Steel Cost Fluctuations" to the following project:

ECMS Project No. \_\_\_\_\_ S.R. \_\_\_\_\_, Section \_\_\_\_\_ Letting Date \_\_\_\_\_

SSP SUBSECTION	CATEGORY NAME	OPTION-IN*	OPTION-OUT**
4.a	Guide Rail and Metal Median Barrier	<input type="checkbox"/>	<input type="checkbox"/>
4.b	Reinforcement Bars	<input type="checkbox"/>	<input type="checkbox"/>
4.c	Piles	<input type="checkbox"/>	<input type="checkbox"/>
4.d	Steel Sign Structure(s)	<input type="checkbox"/>	<input type="checkbox"/>
4.e	Fabricated Structural Steel	<input type="checkbox"/>	<input type="checkbox"/>
4.f	Precast Reinforced Concrete Box Culvert(s) / Prestressed Concrete Bridge Beam(s)	<input type="checkbox"/>	<input type="checkbox"/>

\* Checking here **elects** the option to apply the provisions of the SSP entitled "Price Adjustment for Steel Cost Fluctuations" to the steel used in applicable materials placed as part of the work items in the indicated category.

\*\* Checking here **declines** the option to apply the provisions of the SSP entitled "Price Adjustment for Steel Cost Fluctuations" to the steel used in applicable materials placed as part of the work items in the indicated category.

\_\_\_\_\_

CONTRACTOR NAME

**X**

\_\_\_\_\_

SIGNATURE

\_\_\_\_\_

PRINTED NAME

\_\_\_\_\_

DATE

The apparent low bidder is required to submit this form via fax to (717) 705-1504 by 3:00 pm prevailing local time within 7 calendar days after the bid opening. When the seventh calendar day after the bid opening falls on a day PennDOT offices are closed, submit this form via fax by 3:00 pm prevailing local time on the next business day.

If a properly completed form is not provided by the apparent low bidder within the time specified, the Department will consider the option to apply the price adjustment provisions to the project to be declined (i.e. Option-OUT will be selected for the project). If the form, when provided within the time specified, has been completed such that the Department is unable to ascertain the bidder's intention with regard to the inclusion of any one of the applicable steel product categories, the Department will consider the option to apply the price adjustment provisions to that product category to be declined (i.e. Option-OUT will be selected for the category). No further opportunity to elect steel escalation for the project or an individual steel product category will be made available to the bidder.



# pennsylvania

DEPARTMENT OF ENVIRONMENTAL PROTECTION

SOUTHEAST REGIONAL OFFICE



**RECEIVED**

*Design*  
*10/24/11*  
*[Signature]*

OCT 20 2011

Mr. Charles H. Davies  
Assistant District Executive/Design  
Pennsylvania Department of Transportation, District No. 6  
700 Geerdes Boulevard  
King of Prussia, PA 19406-1525

Re: General Permit Acknowledgment  
DEP General Permit File No. GP110911308  
S.R. 2103, Section 01B, Pineville Road over Pidcock Creek Project  
Buckingham Township  
Bucks County

Dear Mr. Davies:

This will acknowledge receipt of your General Permit Registration No. 110911308 (copy enclosed) and registers your use of this General Permit. You are responsible for assuring the work is done in accordance with the drawings and conditions contained in the General Permit. You may proceed with your project after making the required notifications stipulated in the General Permit and securing all other approvals that may be necessary.

Also enclosed is your Federal Clean Water Act Section 404 authorization in the form of the Pennsylvania State Programmatic General Permit (PASPGP).

Before performing any work, you are required to secure all other approvals that may be necessary under other federal, state, or local regulations and notify the Pennsylvania Fish and Boat Commission in accordance with the General Permit. Also, you are required to develop an Erosion and Sediment Control Plan and notify your county conservation district prior to performing any earthmoving activities. No earthwork may start until you receive an "adequate" review letter from the Conservation District.

"RECEIVED"  
ENVIRONMENTAL UNIT

OCT 27 2011

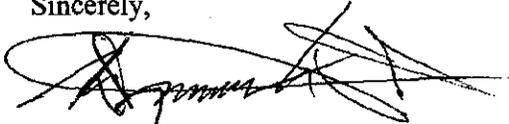
**PENNDOT 6-0**

Mr. Charles H. Davies

- 2 -

If you have any questions, please call me at the phone number located in the first page footer.

Sincerely,



Daniel O. Mensah, M.S.E., MSWREE  
Project Manager  
Dams and Waterways Section  
Watershed Management

Enclosures: Acknowledged Registration and PASPGP

cc: PA Fish & Boat Commission, Southeast Regional Office  
U.S. Army Corps of Engineers, Philadelphia District  
Buckingham Township  
Mr. Phelan, Jacobs Engineering  
Bucks County Conservation District  
Mr. Mensah  
Ms. Nucci  
Mr. Vlot  
Re 30 (dh11wtsd)223-18

**PASPGP-4 PERMIT COMPLIANCE, SELF-CERTIFICATION FORM**

Project Name: 2103-01B Applicant Name: PennDot  
PADEP Permit No.: 110911308 Date of Issuance: 10/20/2011  
Corps Permit No. (if available): \_\_\_\_\_ Date of Issuance: \_\_\_\_\_  
Waterway: \_\_\_\_\_ County: \_\_\_\_\_

Dear Permittee:

In accordance with the compliance certification condition of your PASPGP-4 authorization, you are required to complete and sign this certification form and return it to the appropriate Corps of Engineers District in which the work is located:

- |   |   |  |
|---|---|--|
| <input type="checkbox"/> U.S. Army Corps of Engineers,<br>Philadelphia District<br>Regulatory Branch<br>Wanamaker Building<br>100 Penn Square East<br>Philadelphia, PA 19107-3390 | <input type="checkbox"/> U.S. Army Corps of Engineers,<br>Baltimore District<br>1631 South Atherton Street<br>Suite 101<br>State College, PA 16801-6260 | <input type="checkbox"/> U.S. Army Corps of Engineers,<br>Pittsburgh District<br>Regulatory Branch<br>Federal Building, 20 <sup>th</sup> floor<br>1000 Liberty Avenue<br>Pittsburgh, PA 15222-4186 |
|---|---|--|

Please note that the permitted activity is subject to compliance inspections by U.S. Army Corps of Engineers representatives. As a condition of this permit, failure to return this notification form, provide the required information below, or to perform the authorized work in compliance with the permit, can result in suspension, modification or revocation of your authorization in accordance with 33 CFR Part 325.7 and/or administrative, civil, and/or criminal penalties, in accordance with 33 CFR part 326.

Please provide the following information:

1. Date authorized work commenced: \_\_\_\_\_
2. Date authorized work completed: \_\_\_\_\_
3. Was all work, including any required mitigation, completed in accordance with your PASPGP-4 authorization?  
 YES  NO
4. Explain any deviations (use additional sheets if necessary)  
\_\_\_\_\_  
\_\_\_\_\_
5. Was mitigation accomplished through an approved in-lieu fee program?  
 YES  NO (if YES please provide documentation, if NO complete Nos. 6 and 7 below).
6. Wetland Mitigation: Required?  YES  NO Required Completion Date \_\_\_\_\_  
Completed?  YES  NO Mitigation Monitoring Reports Required?  Yes  No
7. Attach labeled photographs showing completed work including mitigation area(s) (not required for PADEP GP's/Waivers)

I hereby certify that, except as noted above, that all work, including mitigation, has been completed in accordance with the terms and conditions, including special conditions of the above referenced permit.

<i>Applicants Signature:</i>	<i>Consultant/Agents Signature:</i>
<i>Address:</i>	<i>Address:</i>
<i>Telephone:</i>	<i>Telephone:</i>
<i>Email:</i>	<i>Email:</i>

PENNSYLVANIA STATE PROGRAMMATIC GENERAL PERMIT - 4

(PASPGP-4)

July 1, 2011

Please note: the full text of the PASPGP-4 may be viewed on the Baltimore District web site at <http://www.nab.usace.army.mil/Wetlands%20Permits/> or by calling the Corps at 814-235-0570

Applicant: *PennDot District 6-0*  
State Authorization(s): *GP110911308*

Corps District:

Philadelphia

U.S. Army Corps of Engineers,  
Philadelphia District  
Regulatory Branch  
Wanamaker Building  
100 Penn Square East  
Philadelphia, PA 19107-3390

Baltimore

U.S. Army Corps of Engineers,  
Baltimore District  
Regulatory Branch  
1631 South Atherton Street  
Suite 101  
State College, PA 16801-6260

Pittsburgh

U.S. Army Corps of Engineers,  
Pittsburgh District  
Regulatory Branch  
Federal Building, 20<sup>th</sup> floor  
1000 Liberty Avenue  
Pittsburgh, PA 15222-4186

It has been determined that your proposed project, which includes the discharge of dredged and/or fill material and/or the placement of structures into waters of the United States, including wetlands, qualifies for Federal authorization under the provisions of Section 404 of the Clean Water Act and /or Section 10 of the River and Harbor Act of 1899, under the terms and conditions of the PASPGP-4.

All activities authorized under PASPGP-4 must comply with all conditions of the authorization, including General, Procedural, and Special Conditions. Failure to comply with all the conditions of the authorization, including project special conditions, will constitute a permit violation and may be subject to criminal, civil, or administrative penalties, and /or restoration.

The authorized activity must be performed in compliance with the following General Conditions to be authorized under PASPGP-4:

General Conditions:

- 1. Permit Conditions:** The permittee shall comply with all terms and conditions set forth in the PADEP authorization for use of this permit, including all conditions of Section 401 Water Quality Certification, and any subsequent amendment or modification to such authorization. The permittee shall conduct all work and activities in strict compliance with all approved maps, plans, profiles, and specifications used by PADEP and/or the Corps as the basis for its authorization or subsequent modification of authorization.
- 2. Aquatic Life Movements:** No activity may substantially disrupt the movement of those species of aquatic life indigenous to the waterbody, including those species which normally migrate through the area, unless the activity's primary purpose is to impound water. Culverts placed in streams must be appropriately depressed to maintain aquatic life movement and low flow conditions.
- 3. Threatened and Endangered Species:** If an activity is authorized under the PASPGP-4, and a Federally listed threatened or endangered species, or proposed species or critical habitat, is subsequently found to be present, all work must cease, and the Corps and USFWS (or NMFS) must be notified. The PASPGP-4 verification is suspended and will not be re-issued until consultation pursuant to Section 7 of the ESA is concluded and adverse effects to Federally listed threatened, endangered, and proposed species and critical habitat are avoided.

Furthermore, persons have an independent responsibility under Section 9 of ESA to not engage in any activity that could result in the "take" of a Federally listed species.

**4. Spawning Areas:** The permittee shall comply with all time-of-year restrictions as set forth by the PFBC or other designated agency. Discharges or structures in spawning or nursery areas shall not occur during spawning seasons, unless written approval is obtained by the PFBC or other designated agency. In addition, work in areas used for other time sensitive life span activities of fish and wildlife (such as hibernation or migration) may necessitate the use of seasonal restrictions for avoidance of adverse impacts to vulnerable species. Impacts to these areas shall be avoided or minimized to the maximum extent practicable during all other times of the year.

**5. Waterfowl Breeding and Wintering Areas:** Activities including discharges of dredged or fill material or the placement of structures in breeding and wintering areas of migratory waterfowl must be avoided to the maximum extent practicable.

**6. Shellfish Production:** No discharge of dredged or fill material and/or the placement of structures may occur in areas of concentrated shellfish production, unless the discharge is directly related to an authorized shellfish harvesting activity.

**7. Adverse Effects From Impoundments:** If the activity, including the discharge of dredged or fill material or the placement of a structure, creates an impoundment of water, the adverse effects on the aquatic system caused by the accelerated passage of water and/or the restriction of its flow, including impacts to wetlands, shall be minimized to the maximum extent practicable.

**8. Obstruction of High Flows:** To the maximum extent practicable, the activity must be designed to maintain pre-construction downstream flow conditions (i.e., location, capacity, and flow rates). Furthermore, the activity must not permanently restrict or impede the passage of normal or expected high flows (unless the primary purpose of the fill is to impound waters), and the structure or discharge of dredged and/or fill material shall be designed to withstand expected high flows.

**9. Erosion and Sediment Controls:** During construction, appropriate erosion and siltation controls must be used and maintained in effective operating condition in accordance with State regulations. All exposed soil and other fill material must be permanently stabilized.

**10. Suitable Material:** No activity, including discharges of dredged and/or fill material or the placement of structures, may consist of unsuitable material (i.e., asphalt, trash, debris, car bodies, etc.). No material discharged shall contain toxic pollutants in amounts that would violate the effluent limitation standards of § 307 of the CWA.

**11. Temporary Fill:** Temporary fill in waters and wetlands authorized by the PASPGP-4 (i.e., access roads and cofferdams) shall be properly constructed and stabilized during use to prevent erosion and accretion. Temporary fill in wetlands shall be placed on geotextile fabric laid on existing wetland grade. Whenever possible, rubber or wooden mats should be used for equipment access through wetlands to the project area. Temporary fills shall be removed, in their entirety, to an upland site, and suitably contained to prevent erosion and transport to a waterway or wetland. Temporary fill areas shall be restored to their preconstruction contours, elevations, and hydrology and revegetated with non-invasive, native species.

**12. Equipment Working in Wetlands:** Measures must be taken to minimize soil disturbance when heavy equipment is used in wetland areas. These measures include, but are not limited to, avoiding the use of such equipment, use of timber mats or geotextile fabric, and the use of low pressure tire vehicles.

**13. Installation and Maintenance:** Any structure or fill authorized shall be properly installed and maintained to ensure public safety.

**14. PASPGP-4 Verification:**

- a. The PASPGP-4 expires June 30, 2016, unless suspended or revoked.

b. Activities authorized under a project specific PASPGP-4 expire June 30, 2016, unless suspended, revoked, or the PADEP authorization expires, whichever date occurs sooner. Activities authorized under the project specific PASPGP-4 that have commenced construction or are under contract to commence construction will remain authorized provided the activity is completed within 12 months of the date of the PASPGP-4's expiration, modification, or revocation; or until the expiration date of the project specific verification, whichever is sooner.

15. **One-Time Use:** A PASPGP-4 authorization is valid to construct the project, or perform the activity, one time only, except for PASPGP-4 authorizations specifically issued for reoccurring maintenance activities.

16. **Water Supply Intakes:** No activity, including discharges of dredged and/or fill material and/or the placement of structures, may occur in the proximity of a public water supply intake and adversely impact the public water supply.

17. **Cultural Resources:** For all activities verified under a PASPGP-4, upon the discovery of the presence of previously unknown Historic Properties (historic or archaeological), all work must cease and the permittee must notify the SHPO and the Corps of Engineers. The PASPGP-4 authorization is not valid until it is determined, through the Section 106 consultation process, whether the activity will have an effect on the Historic Property. The PASPGP-4 may be reverified and special conditions added if necessary, after an effects determination on the Historic Property is made. The PASPGP-4 authorization may be suspended and/or revoked in accordance with 33 CFR 325.7 for the specific activity if an adverse affect on the Historic Property cannot be avoided or mitigated.

18. **Tribal Rights:** No activity or its operation may impair reserved tribal rights, including, but not limited to, reserved water rights and treaty fishing and hunting rights.

19. **Corps Civil Works Projects:** The PASPGP-4 does not authorize any work which will interfere with an existing or proposed Corps Civil Works project (i.e., flood control projects, dams, reservoirs, and navigation projects). The permittee understands and agrees that, if future operations by the United States require removal, relocation, or other alteration, of the structure or work herein authorized, or if, in the opinion of the Secretary of the Army or his authorized representative, said structure or work shall cause unreasonable obstruction to the free navigation of the navigable waters, the permittee will be required, upon due notice from the Corps of Engineers, to remove, relocate, or alter the structural work or obstructions caused thereby, without expense to the United States. No claim shall be made against the United States on account of any such removal, relocation, or alteration.

20. **Navigation:** No activity authorized under PASPGP-4 may cause more than a minimal adverse affect on navigation. No attempt shall be made by the permittee to prevent the full and free use by the public of all navigable waters at or adjacent to the activity authorized herein. In addition, activities that require temporary causeways that prohibit continued navigational use of a waterway (i.e., temporary causeways extending greater than  $\frac{1}{4}$  the width across the waterway) shall be removed in their entirety upon completion of their use. Any safety lights and signals prescribed by the U.S. Coast Guard, through regulations or otherwise, must be installed and maintained at the permittee's expense on authorized facilities in navigable waters of the United States. The permittee understands and agrees that, if future operations by the United States require the removal, relocation, or other alteration, of the structure or work herein authorized, or if, in the opinion of the Secretary of the Army or his authorized representative, said structure or work shall cause unreasonable obstruction to the free navigation of the navigable waters, the permittee will be required, upon due notice from the Corps of Engineers, to remove, relocate, or alter the structural work or obstructions caused thereby, without expense to the United States. No claim shall be made against the United States on account of any such removal or alteration.

21. **Inspections:** The permittee shall allow a District Engineer or his authorized representative(s) to make periodic inspections at any time deemed necessary in order to ensure that the work is being performed in accordance with all the terms and conditions of the PASPGP-4. The District Engineer may also require post-construction engineering drawings (as-built plans) for completed work.

**22. PASPGP-4 Permit Compliance Self Certification Form:** A Self Certification Form, regarding the PASPGP-4 authorized work and required mitigation, will be forwarded to each permittee with the PASPGP-4 verification. Every permittee, who receives a written PASPGP-4 verification, shall submit the signed Self Certification Form upon completion of the authorized work and required mitigation. The completed form shall be returned to the appropriate Corps District.

**23. Permit Modifications:** Any proposed modification of the authorized overall project that results in a change in the authorized impact to, or use of waters of the United States, including jurisdictional wetlands, must be approved by PADEP. Corps approval is also required if the overall project had been previously reviewed by the Corps as a Category III activity, or the proposed modification causes the overall project impacts to exceed 1.0 acre of waters of the United States, including jurisdictional wetlands, or 250 linear feet of streams, rivers, other watercourses and open water areas. Project modifications that cause the overall project impacts to exceed 1.0 acre of waters of the United States, including wetlands, may not be eligible for PASPGP-4 and will be forwarded to the Corps for review.

**24. Recorded Conservation Instruments:** As per Part IV.A.26 and Part IV.B.4 and Part IV.C.8 of this permit, proposed Draft Conservation Instruments may be submitted by the applicant as part of the permit application package for review and approval. When such proposed Conservation Instruments are submitted by the applicant, verification of the recorded deed restriction, conservation easement, or deed restricted open space area shall be forwarded to the appropriate Corps District and appropriate PADEP offices, prior to the initiation of any permitted work.

**25. Property Rights:** This PASPGP-4 does not convey any property rights, either in real estate or material, or any exclusive privileges; nor does it authorize any injury to property or invasion of rights or any infringement of Federal, State, or local laws or regulations.

**26. Navigable Waters of the United States (Section 10 Waters):** In addition to the conditions referenced above, the following conditions are applicable for navigable waters of the United States eligible for the PASPGP-4. The PASPGP-4 may be used to authorize work in the following navigable waters of the United States:

- a. Codorus Creek – from the confluence with the Susquehanna River 11.4 miles upstream to the Indian Rock Dam in York, Pennsylvania;
- b. Main Stem Susquehanna River – from the confluence with the Chesapeake Bay upstream to Athens, Pennsylvania (approximately 4 miles south from the New York State line);
- c. West Branch of the Susquehanna River – from the confluence with the main stem Susquehanna River upstream to the dam at Lock Haven, Pennsylvania;
- d. Chester Creek – from the confluence with the Delaware River 2 miles upstream;
- e. Crum Creek – from the confluence with the Delaware River 1 mile upstream to the upstream side of the dam at Eddystone;
- f. Darby Creek – from the confluence with the Delaware River 5 miles upstream to the upstream side of 84th Street Bridge in Philadelphia;
- g. Delaware River – from the Morrisville-Trenton Railroad Bridge in Morrisville, Pennsylvania, including the West Branch of the Delaware River, upstream to the Pennsylvania/New York border at the 42<sup>nd</sup> parallel;
- h. Lehigh River – from the confluence with the Delaware River 72 miles upstream to the downstream side of PA Route 940 Bridge;

i. Neshaminy Creek – from the confluence with the Delaware River, including the Neshaminy State Park Harbor Project at the mouth of Neshaminy creek, 4 miles upstream to the downstream side of the Newportville Bridge;

j. Pennypack Creek – from the confluence with the Delaware River 2 miles upstream to the downstream side of Frankford Avenue Bridge in Philadelphia;

k. Ridley Creek – from the confluence with the Delaware River 1 mile upstream to the upstream side of the Baltimore and Ohio Railroad Bridge in Chester, Pennsylvania;

l. Schuylkill River – from the Fairmont Dam, 104 miles upstream to Port Carbon, Pennsylvania; and

m. Schuylkill Navigation Channel (Manayunk Canal) – along the Schuylkill River for two miles from the Flat Rock Dam to Lock Street in the Manayunk Section of Philadelphia, Pennsylvania.

**27. For Aerial Transmission Lines Across Navigable Waters:**

a. The following minimum clearances are required for aerial electric power transmission lines crossing navigable waters of the United States. These clearances are related to the clearances over the navigable channel provided by existing fixed bridges, or the clearances which would be required by the United States Coast Guard for new fixed bridges, in the vicinity of the proposed aerial transmission line. These clearances are based on the low point of the line under conditions producing the greatest sag, taking into consideration temperature, load, wind, length of span, and type of supports as outlined in the National Electrical Safety Code:

NOMINAL SYSTEM VOLTAGE (KV)	Minimum additional clearance (ft.) above clearances required for bridges
115 and below	20
138	22
161	24
230	26
350	30
500	35
700	42
750-765	45

i. Clearances for communication lines, stream gauging cables, ferry cables, and other aerial crossings must be a minimum of ten feet above clearances required for bridges, unless specifically authorized otherwise by the District Engineer.

ii. Corps of Engineer regulation ER 1110-2-4401 prescribes minimum vertical clearances for power communication lines over Corps lake projects. In instances where both this regulation and ER 1110-2-4401 apply, the greater minimum clearance is required.

b. **Encasement:** The top of the cable, encasement, or pipeline shall be located a minimum of three feet below the existing bottom elevation of the streambed and shall be backfilled with suitable heavy material to the preconstruction bottom elevation. Where the cable, encasement, or pipeline is placed in rock, a minimum depth of one foot from the lowest point in the natural contour of the streambed shall be maintained. When crossing a maintained navigation channel, the requirements are a minimum of eight feet

between the top of the cable, encasement, or pipeline and the authorized depth of the navigation channel. For maintained navigational channels, where the utility line is placed in rock, a minimum depth of two feet from the authorized depth of the navigation channel shall be maintained.

c. **As-built drawings:** Within 60 days of completing an activity that involves an aerial transmission line, submerged cable, or submerged pipeline across a navigable water of the United States (i.e., Section 10 waters), the permittee shall furnish the Corps and the National Oceanic and Atmospheric Administration, Nautical Data Branch, N/CS26, Station 7317, 1315 East-West Highway, Silver Spring, Maryland, 20910 with professional, certified as-built drawings, to scale, with control (i.e., latitude/longitude, state plane coordinates), depicting the alignment and minimum clearance of the aerial wires above the mean high water line at the time of survey or depicting the elevations and alignment of the buried cable or pipeline across the navigable waterway.

d. **Aids to Navigation:** The permittee must prepare and provide for United States Coast Guard (USCG) approval, a Private Aids To Navigation Application (CG-2554). The form can be found at: [http://www.uscg.mil/forms/cg/CG\\_2554.pdf](http://www.uscg.mil/forms/cg/CG_2554.pdf). Within 30 days of the date of receipt of the USCG approval, the permittee must provide a copy to the applicable Corps District.

By Authority of the Secretary of the Army:

David E. Anderson  
Colonel, Corps of Engineers  
District Engineer, Baltimore

Philip M. Secrist, III  
Lieutenant Colonel, Corps of Engineers  
District Engineer, Philadelphia

William H. Graham  
Colonel, Corps of Engineers  
District Engineer, Pittsburgh



# pennsylvania

DEPARTMENT OF ENVIRONMENTAL PROTECTION

SOUTHEAST REGIONAL OFFICE



RECEIVED

*Design*  
*10/24/11*  
*[Signature]*

OCT 20 2011

Mr. Charles H. Davies  
Assistant District Executive/Design  
Pennsylvania Department of Transportation, District No. 6  
700 Geerdes Boulevard  
King of Prussia, PA 19406-1525

Re: General Permit Acknowledgment  
DEP General Permit File No. GP110911308  
S.R. 2103, Section 01B, Pineville Road over Pidcock Creek Project  
Buckingham Township  
Bucks County

Dear Mr. Davies:

This will acknowledge receipt of your General Permit Registration No. 110911308 (copy enclosed) and registers your use of this General Permit. You are responsible for assuring the work is done in accordance with the drawings and conditions contained in the General Permit. You may proceed with your project after making the required notifications stipulated in the General Permit and securing all other approvals that may be necessary.

Also enclosed is your Federal Clean Water Act Section 404 authorization in the form of the Pennsylvania State Programmatic General Permit (PASPGP).

Before performing any work, you are required to secure all other approvals that may be necessary under other federal, state, or local regulations and notify the Pennsylvania Fish and Boat Commission in accordance with the General Permit. Also, you are required to develop an Erosion and Sediment Control Plan and notify your county conservation district prior to performing any earthmoving activities. No earthwork may start until you receive an "adequate" review letter from the Conservation District.

"RECEIVED"  
"ENVIRONMENTAL UNIT"

OCT 27 2011

PENNDOT 6-0

Mr. Charles H. Davies

- 2 -

If you have any questions, please call me at the phone number located in the first page footer.

Sincerely,



Daniel O. Mensah, M.S.E., MSWREE  
Project Manager  
Dams and Waterways Section  
Watershed Management

Enclosures: Acknowledged Registration and PASPGP

cc: PA Fish & Boat Commission, Southeast Regional Office  
U.S. Army Corps of Engineers, Philadelphia District  
Buckingham Township  
Mr. Phelan, Jacobs Engineering  
Bucks County Conservation District  
Mr. Mensah  
Ms. Nucci  
Mr. Vlot  
Re 30 (dh11wtsd)223-18



COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF WATERSHED MANAGEMENT

**GENERAL PERMIT  
BWM-GP-11  
MAINTENANCE, TESTING, REPAIR, REHABILITATION, OR REPLACEMENT OF WATER  
OBSTRUCTIONS AND ENCROACHMENTS**

1. **GENERAL DESCRIPTION AND FEES** – In accordance with the following registration requirements and the standard general permit conditions, the Department of Environmental Protection hereby authorizes by General Permit the maintenance, testing, repair, rehabilitation or replacement of existing currently serviceable, water obstructions or encroachments, including bridges and culverts owned by railroad companies. Minor deviations in the structure's configuration or filled area including those due to changes in materials, construction techniques, current construction codes or safety standards which are necessary to repair, modify or replace the water obstruction or encroachment are permitted, provided the environmental impacts resulting from such repair, modification or replacement are minimal, those minimal impacts fall within the terms and conditions of this General Permit, and there is no adverse impact on public health and safety. There is no registration fee required for a project authorized under this General Permit.
2. **DAMS** – This General Permit may not be used for the maintenance, repair, modification, removal, or replacement of dams.
3. **DENIAL OF AUTHORIZATION** – The Department shall have the discretion, on a case-by-case basis, to deny, revoke or suspend the authorization to use this general permit for any project which the Department determines to have a significant adverse impact and would not adequately protect public health, safety or the environment or otherwise could not be adequately regulated by the provisions of this general permit.
4. **AUTHORITY AND CONTINUING AUTHORIZATION** – Authorization of this General Permit is under Section 7 of the Dam Safety and Encroachments Act (32 P.S. §§693.1-693.27) and the rules and regulations promulgated thereunder at 25 Pa. Code §§105.441-105.449 (relating to General Permits). This General Permit becomes effective August 10, 2004 and will remain in effect unless specifically modified, suspended, or revoked by the Department.
5. **NOTIFICATION OF PROPOSED USE OF GENERAL PERMIT** – Prior to the activity, the owner(s) shall submit the "Registration Form" along with the required attachments to the appropriate DEP Regional Office's Permitting and Technical Services Section (see exhibit B). The Department may require additional information necessary to determine that the proposed maintenance complies with the terms and conditions of this General Permit. A copy of the "Registration Form" shall also be sent to the municipality and county in which the work will be performed. **The owner may not begin work until he has received the acknowledged "Registration Form" from the Department.**
6. **DEFINITIONS** – The terms as used in this General Permit shall have the following meanings:

**ALONG** – Touching or contiguous; to be in contact with; to abut upon.

**APPURTENANT WORKS** – Structures or materials incident to water obstructions or encroachments which are built or maintained in connection with the water obstruction or encroachment and essential to their proper maintenance, function, operation and stability.

**BODY OF WATER** – Any natural or artificial lake, pond, reservoir, swamp, marsh or wetland.

**DEPARTMENT** – The Department of Environmental Protection.

**EARTH DISTURBANCE** – Any construction or other human activity which disturbs the surface of the land including, but not limited to clearing and grubbing, grading, excavations, embankments, land development, subdivision development, mineral extraction and the moving, depositing or storing of soil, rock or earth. This includes any excavation or fill within a stream channel.

**EROSION AND SEDIMENT CONTROL PLAN** – A plan which is designed to minimize accelerated erosion and sediment developed in accordance with the requirements of 25 Pa. Code Chapter 102.

**ENCROACHMENT** – A structure or activity which changes, expands or diminishes the course, current or cross section of a watercourse, floodway or body of water.

**FLOODWAY** – The channel of the watercourse and portions of the adjoining floodplains which are reasonably required to carry and discharge the 100-year frequency flood. Unless otherwise specified, the boundary of the floodway is as indicated on maps and flood insurance studies provided by the Federal Emergency Management Agency (FEMA). In an area where no FEMA maps or studies have defined the boundary of the 100-year frequency floodway, it is assumed, absent evidence to the contrary, that the floodway extends from the stream to 50 feet from the top of the bank of the stream.

**OWNER** – A person who owns, controls, operates, maintains, or manages a reservoir, water obstruction or encroachment.

**REGULATED WATER OF THIS COMMONWEALTH** – Watercourses, streams or bodies of water and their floodways wholly or partly within or forming part of the boundary of this Commonwealth.

**STOCKED TROUT STREAMS** – Regulated waters of this Commonwealth classified by the Pennsylvania Fish and Boat Commission as waters approved for trout stocking. Stream classification shall be verified by contacting the Pennsylvania Fish and Boat Commission's Division of Fisheries Management (see Exhibit A).

**STREAM** – A watercourse.

**STREAM ENCLOSURE** – A bridge, culvert or other structure in excess of 100 feet in length upstream to downstream which encloses a regulated water of this Commonwealth.

**SUBMERGED LANDS OF THIS COMMONWEALTH** – Waters and permanently or periodically inundated lands owned by the Commonwealth, including lands in the beds of navigable lakes and rivers and beds of streams declared public highways which are owned and held in trust by the Commonwealth.

**TESTING** – A procedure (internal or external to the structure) used as a means of analysis or diagnosis.

**WATERCOURSE** – A channel or conveyance of surface water having defined bed and banks, whether natural or artificial, with perennial or intermittent flow.

**WATER OBSTRUCTION** – A dike, bridge, culvert, wall, wingwall, fill, pier, wharf, embankment, abutment or other structure located in, along or across or projecting into a watercourse, floodway or body of water. In the case of ponds, lakes and reservoirs, a water obstruction is considered to be in or along the body of water if, at normal pool elevation, the water obstruction is either in the water or adjacent to and abutting the water's edge.

**WATERWAY OPENING** – The cross-sectional area of a structure that is available to convey stream flow. This area is expressed in terms of span multiplied by underclearance.

**WETLANDS** – Areas that are inundated or saturated by surface water or groundwater at a frequency and duration sufficient to support, and that under normal circumstances do support, a prevalence of vegetation typically adapted for life in saturated soil conditions, including swamps, marshes, bogs and similar areas.

**WILD TROUT STREAMS** – A stream classified as supporting naturally reproducing trout populations by the Fish and Boat Commission. For a list of wild trout streams, the Fish and Boat Commission can be contacted at: Fish and Boat Commission, Bureau of Fisheries, Division of Fisheries Management, 450 Robinson Lane, Bellefonte, Pennsylvania 16823-9620.

## 7. **SPECIAL CONDITIONS**

- A. Activities conducted under GP-11 authorization must protect and maintain water quality of waters of the Commonwealth in accordance with 25 Pa. Code Chapter 93. Projects located in High Quality/Exceptional Value (HQ/EV) waters must utilize cost effective and reasonable best management practices for non point source control.

- B. No new stream relocation, stream enclosure or stream channel is authorized by this General Permit.
- C. No stream realignments are permitted except for those incidental activities immediately adjacent to the upstream and downstream waterway opening of bridges and culverts that are necessary to support the structure.
- D. All projects must be designed and constructed to protect or enhance existing aquatic habitat.
- E. Wetlands must be identified in accordance with the 1987 U.S. Army Corps of Engineers Manual for Identifying and Delineating Wetlands and properly flagged or otherwise identified on the site to ensure they are protected. Impacts to wetland and other waters of the Commonwealth must be avoided or minimized to the maximum extent practicable at the project site. Wetland areas which cannot be avoided and which will be temporarily impacted during the maintenance activity must be identified on the plan and be stabilized and restored to original contours and grade at the conclusion of the activity. Wetland areas which cannot be avoided and which will be permanently impacted are limited to a cumulative total of 0.05 acres per project site.
- F. Utilization of General Permit BDWM-GP-8, Temporary Road Crossing - Temporary road crossings of streams and causeways that are necessary to access the project must be constructed in accordance with BDWM-GP-8. The applicant shall indicate utilization of BDWM-GP-8 on the General Permit Registration form, and provide location and dimensions of the temporary crossing on the plan drawing or sketch plan that is required for General Permit 11 Registration.
- G. Paving the metal bottom pipes, arches and culverts with concrete, grouting or the use of concrete for scour protection shall be done in dry conditions.
- H. Bridge or culvert maintenance, replacement projects, or upgrades to existing facilities to meet current standards are subject to the following:
  - Bridge and culvert replacement for purposes of converting the existing structure to a new or differing use, e.g., converting a logging or forest road or a private access road to a residential, retail, or commercial subdivision access, is not authorized by this general permit.
  - No significant reduction in existing waterway openings is permitted.
  - There will be no significant changes to grades of approach roadways or to overtopping characteristics.
  - Increases in culvert length are limited to a maximum of 12 feet perpendicular to the roadway on each end of the existing culvert. Appurtenant works beyond the maximum 12 feet increase on each end of the culvert, such as, but not limited to, wingwalls, headwalls, bank stabilization, and scour protection are also authorized under this general permit. The appurtenant works must be minimized and limited to the extent necessary to ensure the protection of the structure, public health and safety, and the environment.
  - Increases in bridge width are limited to a maximum of 12 feet on each side of the bridge as measured from the upstream side of the bridge deck to the downstream side of the bridge deck. Appurtenant works beyond the maximum 12 feet increase on each side of the bridge deck, such as, but not limited to, wingwalls, headwalls, bank stabilization and scour protection are also authorized under this general permit. The appurtenant works must be minimized and limited to the extent necessary to ensure the protection of the structure, public health and safety and the environment.
  - The removal of debris and accumulated sediment to ensure adequate hydraulic capacity for bridges or culverts is limited to 50 feet upstream and downstream of the bridge or culvert and shall be conducted in accordance with the Department's Standards for Channel Cleaning at Bridges and Culverts.
  - Bridges and culverts with paved bottoms shall provide for fish passage by constructing a low flow channel.

- Bridge and culvert replacement projects may not increase water surface elevations for the 100-year flood event.
- Backfill material may not be stored in the floodway and/or wetlands.

*Hydraulic capacity.*

- Bridge and culvert maintenance or replacement projects shall be designed and constructed in accordance with the following criteria:
  - The structure shall pass flood flows without loss of stability.
  - The structure may not create or constitute a hazard to life or property, or both.
  - The structure may not materially alter the natural regimen of the stream.
  - The structure may not increase velocity or direct flow in a manner which results in accelerated erosion of streambeds and banks.

*Multiple pipes and spans.*

- Multi-culvert groups and multiple span bridges which may tend to collect debris, contribute to the formation of ice jams, and cause excessive increases in head losses shall be avoided to the maximum extent practicable. Spans of less than 15 feet shall be by single-opening structure, except where conditions make it impractical to design the crossing with a single span.

*Bridge piers.*

- Bridge piers shall be kept to a minimum in number and cross-sectional area and shall be designed to offer the least obstruction to the passage of water and ice, consistent with safety and current engineering practice.
- Bridge piers in channels subject to unstable or super critical flow shall require special investigation and shall be so designed as to minimize backwater and avoid standing waves downstream of the pier.

*Bridge abutments.*

- Bridge abutments shall be aligned with the flow of the stream for the design flood. The Department may require the construction of wingwalls on either side of the bridge to assist in directing flood flows through the bridge opening.

*Culverts.*

- Culverts shall be aligned with the stream flow.
- Culverts shall be of sufficient width to minimize narrowing of the stream channel.
- The ends of culverts shall be protected by wingwalls, or with other structures sufficient to assist in directing flood flows to and through the culvert opening.
- Culverts with a drainage area of 640 acres or less shall be installed with the invert a minimum of 6 inches below natural streambed and in such a manner that the average gradient of the invert shall not deviate from that of the natural streambed.
- Culverts with a drainage area of greater than 640 acres shall be installed with the invert a minimum of 12 inches below natural streambed and in such a manner that the average gradient of the invert shall not deviate from that of the natural streambed.
- The flow velocities of water discharging from culverts must not cause erosion of the downstream channel.

*Professional Engineer Certification*

Plans, specifications and reports for bridges and culverts across a stream which are to be used by the general public such as an access to an industrial, commercial or residential development, etc., shall be prepared by a registered professional engineer and shall be affixed with their seal and certification which shall read as follows:

"I (name) do hereby certify pursuant to the penalties of 18 Pa. C.S.A. Sec. 4904 to the best of my knowledge, information and belief, that the information contained in the accompanying plans, specifications, and reports has been prepared in accordance with accepted engineering practice, is true and correct, and is in conformance with Chapter 105 of the rules and regulations of the Department of Environmental Protection."

- I. Pipelines and utilities:
    - Trenches excavated for the maintenance and replacement of utility lines shall be the minimum width necessary.
    - Trenches excavated for the maintenance and replacement of utility lines shall be backfilled with suitable material, stabilized and restored to pre-existing elevation and condition.
    - Construction material such as pipes, rock and bedding materials may not be stored in the floodway and/or wetlands.
    - Excavated material to be used as backfill may be temporarily stored adjacent to the trench, but for no more than 72 hours.
    - Trench plugs must be installed within the trench on both sides of the stream channel. In wetlands, trench plugs, must be used to prevent the trench from draining the wetland.
  - J. A copy of this General Permit along with the Erosion and Sediment Control Plan must be provided to all contracting and construction entities involved with the project and must be available on-site during all phases of the project.
8. **EROSION AND SEDIMENT CONTROLS** – Activities conducted under this General Permit which involve an earth disturbance must be done in compliance with Chapter 102 of the Department's Rules and Regulations (relating to Erosion Control). The Erosion and Sediment Control Plan shall be submitted with the General Permit registration, for review by the DEP Regional Office. The Erosion and Sediment Control Plan must be available at the site at all times, and all BMP's on the plan must be implemented and maintained prior to, during and after construction.
9. **SPECIES OF SPECIAL CONCERN**
- A. No regulated activity is authorized under this General Permit which is likely to directly or indirectly adversely affect a State or Federal species of special concern or a species proposed for such designation, or which is likely to destroy or adversely modify the critical habitat of such a species, as identified under the Federal Endangered Species Act of 1973; Title 30, Chapter 75 of the PA Fish and Boat Code; Title 17, Chapter 25, Conservation of Wild Plants; and Title 31 Chapter 133 Game Wildlife Code.
  - B. Permit registrations shall include a Pennsylvania Natural Diversity Inventory (PNDI) search receipt. Activities conducted under this General Permit beyond one year of the date acknowledged will require the submission of an updated PNDI search to the DEP Regional Office. Information on PNDI searches is available through the PA Department of Conservation and Natural Resources, Bureau of Forestry, Ecological Services Section, P.O. Box 8552, Harrisburg, PA 17105-8852, telephone 717-787-3444.

Complete the Pennsylvania Natural Diversity Inventory (PNDI) Form and submit it to the person conducting the online PNDI Project Planning and Environmental Review Tool search. This person performing the search could be someone from DEP, the County Conservation Districts, or a consultant. Alternatively, if you plan to conduct the PNDI online search yourself-a search form is not needed prior to the PNDI online search.

After conducting the PNDI online search, if your PNDI Project Environmental Review Receipt has "Potential Impacts," DEP and the jurisdictional agencies require that you submit additional information to the agencies noted on the Receipt for further review. Please send a copy of the PNDI Receipt, a completed PNDI Form, and a USGS 7.5 minute quadrangle map with project boundaries delineated on the map to the agencies referenced on your PNDI Receipt.

C. Applicants must comply with special bog turtle screening requirements. See Section H of the Registration Form.

10. **BEACH NOURISHMENT** – Sand used for beach nourishment shall be free from zebra mussels.
11. **EQUIPMENT** – Use of motorized vehicles or equipment in a watercourse, stream or body of water is limited to the minimum necessary to complete the project. Motorized vehicles or equipment working in wetlands must be placed on mats or other measures must be taken to minimize disturbance.
12. **PROPER MAINTENANCE** – Facilities and activities authorized under this General Permit must be operated and maintained to protect public health, safety and the environment.
13. **AQUATIC LIFE MOVEMENTS** – No regulated activity may substantially disrupt the movement of those species of aquatic life indigenous to the watercourse, stream or body of water, including those species which normally migrate through the area.
14. **WILD AND STOCKED TROUT WATERS** – Activities authorized by this General Permit in regulated waters of this Commonwealth are prohibited in the following streams for the specified time period unless written approval is obtained from the PA Fish and Boat Commission's Division of Environmental Services at 459 Robinson Lane, Bellefonte, PA 16823-9616 or the local DEP Regional Office. Stocked and wild trout stream locations are compiled and available through the Commission's Division of Fishery Management.

Stocked trout streams	March 1 through June 15
Wild trout streams	October 1 through December 31
Lake Erie tributaries	September 1 through April 30

15. **WATERFOWL BREEDING AREAS** – Breeding areas for migratory waterfowl must be avoided to the maximum extent practicable.
16. **HISTORICAL RESOURCES**
  - A. No regulated activity is authorized which will adversely impact:
    - Historical, cultural or archaeological sites as identified in the latest published version of the Pennsylvania Inventory of Historic Places or the National Register of Historic Places.
    - Local historical sites officially approved or recognized by a municipality.
  - B. Any archaeological artifacts discovered during the performance of work authorized under this General Permit must be adequately protected and their discovery promptly reported to the Bureau for Historic Preservation, Pennsylvania Historic and Museum Commission, Commonwealth Keystone Building, 400 North Street, 2nd Floor, Harrisburg, PA 17120-0093.
17. **FILL** – Fill material must be uncontaminated, nonwater-soluble, nondecomposable inert solid material and must be free of asphalt, trash, construction debris, tires, toxic pollutants and never been subject to a spill or release of a contaminated substance. Temporary fills for construction purposes (e.g. road embankments, equipment staging, cofferdams and causeways) shall consist of only clean nonwater-soluble rock material (without fine particles or small-grained materials) to prevent the introduction of sediment to water resources.
18. **REMOVAL OF TEMPORARY FILLS** – Temporary fills must be removed in their entirety, and the affected areas stabilized and returned to their pre-existing elevations.
19. **NAVIGATION** – No authorized activity shall permanently hinder commercial or recreational navigation.

20. **EFFECTIVE TIME PERIOD** – This General Permit will remain in effect indefinitely unless specifically modified, suspended or revised by the Department.
21. **SUBMERGED LANDS OF THIS COMMONWEALTH** – This General Permit shall not be effective to authorize any project over, across or occupying submerged lands of this Commonwealth until the owner has obtained a license from the Department authorizing the occupation of such submerged lands issued under Section 15 of the Dam Safety and Encroachments Act (32 P.S. §693.15), Section 514 of the Administrative Code of 1929 (71 P.S. §194), or other applicable laws. Upon receipt of notification from the owner, the Department will review the project, determine if its location is over, across or occupies submerged lands of the Commonwealth. If applicable, the Department will prepare a Submerged Lands License Agreement and forward same to the owner for execution prior to acknowledgement of registration to use the General Permit. No annual charge is required for facilities constructed, owned or operated by a Political Subdivision of the Commonwealth.
22. **USE OF EXPLOSIVES** – Prior to the use of explosives in a watercourse or body of water, the permittee shall secure a written permit from the Pennsylvania Fish and Boat Commission, under the Fish and Boat Code, Act 1980-175 Title 30 Pennsylvania Consolidated Statutes, Section 2906. Requests should be directed to the Pennsylvania Fish and Boat Commission, Division of Environmental Services (see Exhibit A).
23. **SUSPENSION, MODIFICATION OR REVOCATION** – The Department may suspend, modify or revoke this General Permit at any time upon notice in the Pennsylvania Bulletin.
24. **PROJECT INTERFERENCE** – This General Permit does not authorize any interference with any existing or proposed local, State, Federal or Federally licensed project, and permittee shall not be entitled to compensation for damage or injury to the work authorized herein which may be caused by or a result of existing or future operations undertaken by the United States or the Commonwealth of Pennsylvania or its Political Subdivisions in the public interest.
25. **INSPECTION** – As a condition of use of this General Permit, and of the owner's authority to conduct the activities authorized by this General Permit, the owner hereby authorizes and consents to allow authorized employees or agents of the Department, including the County Conservation District, without advance notice or a search warrant, at any reasonable time and upon presentation of appropriate credentials, and without delay, to have access to and to inspect all areas where the project is being constructed, operated or maintained. The authorization and consent shall include consent to conduct tests or sampling, to take photographs, to perform measurements, survey and other tests, to inspect the methods of construction, operation or maintenance, to examine and copy books, papers and records pertinent to any matter under investigation, and to take any other action necessary to assure that the project is constructed, operated or maintained in accordance with the terms and criteria of the General Permit. This General Permit condition is referenced in accordance with Section 16 of the Dam Safety and Encroachments Act, 32 P.S. §693.16, and in no way limits any other powers granted under the Dam Safety and Encroachments Act.
26. **FISH AND BOAT COMMISSION NOTIFICATION** – The owner(s) shall notify the Pennsylvania Fish and Boat Commission's Regional Field Office Manager (see "Exhibit A") responsible for the County where the activities are proposed ten (10) days prior to start of construction. Written notification is suggested. The project site shall at all times be available for inspection by authorized officers and employees of the Pennsylvania Fish and Boat Commission.
27. **ACTIVITIES NOT IN ACCORDANCE WITH THE TERMS OR CONDITIONS** – If the Department determines, upon inspection, that the construction, operation or maintenance of a project has violated the terms or criteria of this General Permit or of the Chapter 105 Rules and Regulations, the Department may take such actions, legal or administrative, that it may deem to be appropriate.
28. **STRUCTURE REMOVAL** – The owner shall remove all or any portion of the water obstruction upon written notification to the owner by the Department in the event the water obstruction is causing an adverse impact on public health, safety, or the environment, or in any other manner violates the conditions of this General Permit or Chapter 105 Rules and Regulations. The removal of railroad bridges and culverts is not subject to this condition. The removal of railroad bridges and culverts is regulated exclusively by the Federal Surface Transportation Board under the Interstate Commerce Commission Termination Act of 1995, 49 U.S.C. Sections 10501(b), 10903.

29. **PROPERTY RIGHTS** – This General Permit does not convey any property rights, either in real estate or material, or in any exclusive privileges; nor does it authorize any injury to property or invasion of rights or any infringement of Federal, State or local laws or regulations.
30. **WATER QUALITY CERTIFICATION** – The issuance of this General Permit also constitutes approval of Water Quality Certification under Section 401 of the Federal Clean Water Act (33 U.S.C.A. §1341).
31. **OTHER PERMITS** – Nothing in this General Permit relieves the owner(s) of the obligation of complying with all Interstate Compacts, Federal, State and local laws, and regulations.
32. **SIGNATURE** – The General Permit Registration Form shall be signed by the person responsible for installation, operation and maintenance of the authorized activity.



COMMONWEALTH OF PENNSYLVANIA  
 DEPARTMENT OF ENVIRONMENTAL PROTECTION  
 BUREAU OF WATERSHED MANAGEMENT  
 WATER OBSTRUCTION AND ENCROACHMENT

<b>DEP USE ONLY</b>	
Acknowledged Date _____	
GP _____	
PASPGP-3 Authorization included:	
<input type="checkbox"/> YES <input type="checkbox"/> NO	
Transfer Date _____	

**BWM-GP-11 GENERAL PERMIT REGISTRATION  
 Maintenance, Testing, Repair, Rehabilitation, or  
 Replacement of Water Obstructions and Encroachments**

SECTION A. APPLICANT INFORMATION			
Check One: <input type="checkbox"/> New Permit <input type="checkbox"/> Transfer of Existing Permit – complete Sections A, C & G and transfer form - 3930-PM-WM0016			
Existing Permit(s) Number for Project(s) with a Submerged Lands License Agreement or an annual fee (if applicable):			
Applicant Name			
Contact Person Last Name	First Name	MI	Telephone (    )
Mailing Address	City	State	Zip + 4
Email Address			
SECTION B. CONSULTANT (if applicable)			
Consultant - Last Name	First Name	MI	
Consulting Firm			
Mailing Address	City	State	Zip + 4
Telephone (    )	FAX (    )	Email	



SECTION D1 PROJECT INVENTORY For _____ County*										
Activity Number**	Existing Permit Number and Type of Water Obstruction (Bridge, Culvert, Utility Stream Crossing, Utility Wetland Crossing)	Activity Type (Maintenance, testing, repair, rehabilitation, or replacement)	Earth Disturbance (sq. ft.)	Name of USGS Quadrangle Map	Municipality Where Project is Located	Name of Stream	Chapter 93 Stream Designation	Special PFBC Designation (Wild Trout, Stocked Trout, Migratory Fishes)		
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										

\*For multiple structures attach additional sheets that provide the same information requested in the chart.

\*\*The number used for a particular water obstruction from Section D1 should match the number in Section D2 for the same water obstruction.

**SECTION D2. BRIDGE AND/OR CULVERT REPLACEMENT PROJECTS OR PROJECTS THAT CHANGE THE WATERWAY OPENING\***

Activity Number**	Bridge/Culvert Existing					Bridge/Culvert Proposed				
	Waterway Opening (sq. ft.) (cross section/area)	Span (ft.)	Underclearance (ft.)	Length (ft.) (upstream to downstream)	Material Type (RCP, CMP, etc.)	Waterway Opening (sq. ft.) (cross section/area)	Span (ft.)	Underclearance (ft.)	Length (ft.) (upstream to downstream)	Material Type (RCP, CMP, etc.)
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										

\*For multiple structures attach additional sheets that provide the same information requested in the chart.  
 \*\*The number used for a particular water obstruction from Section D1 should match the number in Section D2 for the same water obstruction.

**SECTION E. COMPLIANCE REVIEW**

Yes No

Is the applicant (owner and/or operator) currently in violation of any permits issued by the Department?

If yes, please provide:

1. Permit Number: \_\_\_\_\_

2. Nature of the violation (if any): \_\_\_\_\_

\_\_\_\_\_

3. Status of violation (i.e., schedule for compliance, etc.): \_\_\_\_\_

\_\_\_\_\_

**SECTION F. OTHER PERMITS**

Yes No

Are any other Chapter 105 permits required for this project, excluding GP-8?

**SECTION G. CERTIFICATION**

I certify that the information provided in this permit registration is true and correct to the best of my knowledge and information.

\_\_\_\_\_  
Signature of Permittee

(Person Responsible for Installation, Operation  
and Maintenance of Authorized Activity)

\_\_\_\_\_  
Date

\_\_\_\_\_  
Type or Print Name

**AN ACKNOWLEDGED COPY OF THIS GENERAL PERMIT AND THE EROSION AND SEDIMENT CONTROL PLAN REVIEWED BY THE DEP REGIONAL OFFICE MUST BE AVAILABLE AT THE PROJECT SITE DURING CONSTRUCTION.**

**SECTION H. REGISTRATION CHECKLIST**

In order to register use of this General Permit, confirm the following:

N/A

- I/we have notified the Municipality and County.
- I/we hereby notify the Department that BDWM-GP-8, Temporary Road Crossing will also be utilized during the maintenance activity.

Please Submit:

- Completed Permit Registration Form.
- LOCATION MAP. An 8 ½" by 11" photocopy of a portion of the U.S.G.S. 7 ½ Minute Quadrangle Map or suitable mapping with the project site(s) identified.
- Wetland Information Data Sheets, Field Notes, or Photos of the wetland area.
- Engineering plan or sketch drawing that provides the necessary information.
- Project cross-section drawing.
- Completed copy of a PNDI Search Form with Search Receipt.
- For bridge or culvert replacements, activities that reduce the size of the waterway opening, or work on a structure that poses a threat to human life or a substantial potential risk to property, plans, specifications and hydrologic and hydraulics report shall be prepared and submitted by a registered professional engineer and shall be affixed with their seal and certification.
- Erosion and Sediment Control Plan for earth disturbance activities
- Any existing Submerged Lands License Agreements

Please submit where required:

- Photographs – For projects involving a waterway opening, photos upstream and downstream of the existing structure are required.
- Bog Turtle Habitat Screening Form (where required). This screening is required for General Permits 5, 6, 7, 8, 9, and 11 which may impact wetlands in the following counties: Adams, Berks, Bucks, Carbon (Aquashicola Creek Watershed only), Chester, Cumberland, Delaware, Lancaster, Lebanon, Lehigh, Monroe, Montgomery, Northampton, Schuylkill (Swatara Creek Watershed only), and York.

**SECTION 11. DRAWINGS/PLANS**

- 1) Engineering drawings prepared and sealed by a Professional Engineer are required for the following types of projects:
- a) bridge and culvert replacements
  - b) activities that reduce the size of the waterway opening
  - c) bridges or culverts across a watercourse which are to be used by the general public
  - d) work on a structure that poses a threat to human life or a substantial potential risk to property
- 2) Prepared plans or sketch plans may be submitted for activities not listed in 1 a) through d).

\*Please make sure the information below is provided on all engineering plans, drawings, and other prepared plans or sketch plan required for registration.

**SECTION 12. DRAWINGS/PLANS CHECKLIST**

YES	N/A		YES	N/A	
<input type="checkbox"/>	<input type="checkbox"/>	Permanent Stream Impacts with Dimensions Total Length _____ Total sq. ft. _____	<input type="checkbox"/>	<input type="checkbox"/>	Stream Name _____
			<input type="checkbox"/>		Chapter 93 Stream Designation _____
<input type="checkbox"/>	<input type="checkbox"/>	Temporary Stream Impacts	<input type="checkbox"/>		Location of Property Lines Relative to the Project
<input type="checkbox"/>	<input type="checkbox"/>	Wetland Acreage Onsite _____	<input type="checkbox"/>	<input type="checkbox"/>	Existing Utilities
<input type="checkbox"/>	<input type="checkbox"/>	Permanent Wetland Impacts _____ sq. ft.	<input type="checkbox"/>	<input type="checkbox"/>	Proposed Utilities
<input type="checkbox"/>	<input type="checkbox"/>	Temporary Wetland _____ sq. ft.			
<input type="checkbox"/>	<input type="checkbox"/>	Stream Limits and Flow Direction	<input type="checkbox"/>	<input type="checkbox"/>	Existing Buildings, Roadways, Other Structures
<input type="checkbox"/>	<input type="checkbox"/>	Floodway Limits (if known)	<input type="checkbox"/>	<input type="checkbox"/>	Proposed Buildings, Roadways, Other Structures
<input type="checkbox"/>	<input type="checkbox"/>	Limits of Earth Disturbance Associated with this Activity	<input type="checkbox"/>	<input type="checkbox"/>	Other Waters (i.e. pond, lakes)
			<input type="checkbox"/>		Please indicate North
			<input type="checkbox"/>	<input type="checkbox"/>	Please indicate photo locations

Use the next sheet for sketch if applicable

# SKETCH PLAN

(if applicable)

---

Applicant Name

Scale 1" = \_\_\_\_\_ ft.

\_\_\_\_\_  
Applicant Name

## PROJECT CROSS SECTIONS

Provide a cross section of the project if not included on the Engineering Drawings, showing the dimensions of the waterway opening, area of fill materials used, and other pertinent information necessary to accurately depict the scope of your project, and allow the Department to determine that the project complies with the terms and conditions of this General Permit.

## EXHIBIT A

### OFFICES OF THE PENNSYLVANIA FISH AND BOAT COMMISSION

Headquarters Address

County Responsibility

NORTHWEST REGION

Regional Manager  
11528 Highway 98  
Meadville, PA 16335-7320  
814-337-0444

Butler, Clarion, Crawford, Erie,  
Forest, Lawrence, Mercer, Venango  
and Warren

SOUTHWEST REGION

Regional Manager  
236 Lake Road  
Somerset, PA 15501-1644  
814-445-8974

Allegheny, Armstrong, Beaver,  
Cambria, Fayette, Greene, Indiana,  
Somerset, Washington and  
Westmoreland

NORTHCENTRAL REGION

Regional Manager  
P.O. Box 5306  
Pleasant Gap, PA 16823  
814-359-5250

Cameron, Centre, Clearfield,  
Clinton, Elk, Jefferson, Lycoming,  
McKean, Montour, Northumberland,  
Potter, Snyder, Tioga and Union

SOUTHCENTRAL REGION

Regional Manager  
1704 Pine Road  
Newville, PA 17241  
717-486-7087

Adams, Bedford, Blair, Cumberland,  
Dauphin, Franklin, Fulton,  
Huntingdon, Juniata, Lebanon,  
Mifflin, Northumberland (Mahatango  
Creek in Jordan and Lower Mahanoy  
Townships only), Perry and York

SOUTHEAST REGION

Regional Manager  
P.O. Box 9  
Elm, PA 17521  
717-626-0228

Berks, Bucks, Chester, Delaware,  
Lancaster, Lehigh, Montgomery,  
Northampton, Philadelphia and  
Schuylkill

NORTHEAST REGION

Regional Manager  
P.O. Box 88  
Sweet Valley, PA 18656  
570-477-5717

Bradford, Carbon, Columbia,  
Lackawanna, Luzerne, Monroe,  
Pike, Sullivan, Susquehanna,  
Wayne and Wyoming

DIVISION OF ENVIRONMENTAL SERVICES

450 Robinson Lane, Bellefonte, PA 16823-9620  
814-359-5147

DIVISION OF FISHERIES MANAGEMENT

450 Robinson Lane, Bellefonte PA 16823-9620  
814-359-5110

**EXHIBIT B**  
**REGIONAL OFFICES OF THE DEPARTMENT OF ENVIRONMENTAL PROTECTION**  
**AND**  
**U.S. ARMY CORPS OF ENGINEERS DISTRICT OFFICES**

Permitting and Technical Services Section

County Responsibility

Southcentral Regional Office  
 909 Elmerton Avenue, Second Floor  
 Harrisburg, PA 17110  
 (717) 705-4707

Adams, Bedford, Berks, Blair, Cumberland,  
 Dauphin, Franklin, Fulton, Huntingdon,  
 Juniata, Lancaster, Lebanon, Mifflin, Perry  
 and York

Southeast Regional Office  
 2 East Main Street  
 Norristown, PA 19401  
 (484) 250-5970

Bucks, Chester, Delaware, Montgomery and  
 Philadelphia

Southwest Regional Office  
 400 Waterfront Drive  
 Pittsburgh, PA 15222-4745  
 (412) 442-4000

Allegheny, Armstrong, Beaver, Cambria,  
 Fayette, Greene, Indiana, Somerset,  
 Washington and Westmoreland

Northwest Regional Office  
 230 Chestnut Street  
 Meadville, PA 16335  
 (814) 332-6984

Butler, Clarion, Crawford, Elk, Erie, Forest,  
 Jefferson, Lawrence, McKean, Mercer,  
 Venango and Warren

Northeast Regional Office  
 2 Public Square  
 Wilkes-Barre, PA 18711-0790  
 (570) 826-2511

Carbon, Lackawanna, Lehigh, Luzerne,  
 Monroe, Northampton, Pike, Schuylkill,  
 Susquehanna, Wayne and Wyoming

Northcentral Regional Office  
 208 W. Third Street, Suite 101  
 Williamsport, PA 17701  
 (570) 327-3574

Bradford, Cameron, Centre, Clearfield,  
 Clinton, Columbia, Lycoming, Montour,  
 Northumberland, Potter, Snyder, Sullivan,  
 Tioga and Union

Note: Registration for the use of General Permits (except General Permit 11 Registrations which must be sent to the Permitting and Technical Services Section) must be sent to the County Conservation District in those counties where the District has a delegation agreement with the Department of Environmental Protection.

<b>U.S. ARMY CORPS OF ENGINEERS DISTRICT OFFICES</b>		
<b>Delaware River Basin</b>	<b>Ohio River Basin Portions of Lake Erie and Genesee River Basins Located in PA</b>	<b>Susquehanna River Basin</b>
Philadelphia District Corps of Engineers Wanamaker Building 100 Penn Square East Philadelphia, PA 19107  Phone: 215-656-6725 Phone: 215-656-6729 (to report violations) Fax: 215-656-6724	Pittsburgh District Corps of Engineers Regulatory Branch 1000 Liberty Avenue Pittsburgh, PA 15222  Phone: 412-395-7152 Fax: 412-644-4211	Baltimore District Corps of Engineers P.O. Box 1715 Baltimore, MD 21203-1715  Phone: 814-235-0570 Fax: 814-235-0576

Activity ID	Activity Name	Orig. Dur.	Start	Finish	Total Float	2012					2013						
						Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul
<b>Total</b>		150	13-Nov-12	14-Jun-13	0												
<b>SR 2103 V3 SR 2103 V3 Pineville Road</b>		150	13-Nov-12	14-Jun-13	0												
<b>A01 PROJECT PREPARATION &amp; MISCELLANEOUS</b>		30	13-Nov-12	20-Dec-12	25												
A01.05	NOTICE TO PROCEED	0	13-Nov-12*		25												
A01.10	UTILITY RELOCATION	30	13-Nov-12	20-Dec-12	25												
A0115	MOBILIZATION	5	13-Nov-12	16-Nov-12	39												
<b>B02 E&amp;S AND EARTHWORK</b>		70	19-Nov-12	08-Mar-13	51												
B02.10	CLEARING AND GRUBBING	3	19-Nov-12	21-Nov-12	39												
B02.20	E&S	3	21-Nov-12	23-Nov-12	39												
B02.40	R-7 RIPRAP	4	01-Mar-13	07-Mar-13	27												
B02.30	EXCAVATION	2	07-Mar-13	08-Mar-13	51												
<b>D04 SUBBASE AND BITUMINOUS PAVEMENT</b>		5	16-Apr-13	22-Apr-13	22												
D04.10	SUBBASE, 6"	1	16-Apr-13	16-Apr-13	22												
D04.30	ASPHALT BASE COURSE, 4"	1	17-Apr-13	17-Apr-13	22												
D04.20	ASPHALT BINDER COURSE, 2.5"	1	17-Apr-13	18-Apr-13	22												
D04.50	MILLING OF BITUMINOUS PAVEMENT	1	18-Apr-13	19-Apr-13	22												
D04.15	ASPHALT WEARING COURSE, 1.5"	1	19-Apr-13	22-Apr-13	22												
<b>H08 LANDSCAPING</b>		5	17-Apr-13	23-Apr-13	29												
H08.10	PLACING STOCKPILED TOPSOIL	1	17-Apr-13	18-Apr-13	29												
H08.50	PERMANENT STABILIZATION	4	18-Apr-13	23-Apr-13	29												
<b>I09 TRAFFIC ACCOMODATION AND CONTROL</b>		4	29-Apr-13	03-May-13	21												
I09.10	SIGNING AND PAVEMENT MARKINGS	4	29-Apr-13	03-May-13	21												
<b>J10 STRUCTURES</b>		110	13-Nov-12	22-Apr-13	21												
J10.05	ARCHITECTURAL SURFACE TREATMENT SAMPLE APPROVAL	20	13-Nov-12	06-Dec-12	54												
J10.07	SHOP DRAWINGS	20	13-Nov-12	06-Dec-12	40												
J10.08	BEAM FABRICATION	40	07-Dec-12	13-Feb-13	40												
J10.10	STRUCTURE DEMOLITION	5	14-Dec-12	20-Dec-12	25												
J10.20	CLASS 3 EXCAVATION	6	21-Dec-12	28-Dec-12	25												
J10.30	FORM, REINFORCE, POUR ABUT 1 FOOTING	7	28-Dec-12	16-Jan-13	25												
J10.35	FORM, REINFORCE, POUR ABUT 2 FOOTING	6	16-Jan-13	24-Jan-13	25												
J10.40	FORM, REINFORCE, POUR ABUT 1 STEM	5	24-Jan-13	01-Feb-13	25												
J10.45	FORM, REINFORCE, POUR ABUT 2 STEM	5	01-Feb-13	13-Feb-13	25												
J10.50	FORM, REINFORCE, POUR ABUT 1 WINGWALLS	5	13-Feb-13	21-Feb-13	25												
J10.55	FORM, REINFORCE, POUR ABUT 2 WINGWALLS	5	21-Feb-13	01-Mar-13	25												
J10.60	BACKFILL ABUTMENTS	4	01-Mar-13	07-Mar-13	25												
J10.65	PREPARE BEAM SEATS & SET BEARINGS	2	07-Mar-13	08-Mar-13	25												
J10.70	ERECT BEAMS	1	11-Mar-13	11-Mar-13	25												
J10.80	FORM, REINFORCE, POUR DECK	6	18-Mar-13	22-Mar-13	21												
J10.81	FORM, REINFORCE, POUR BARRIER	4	22-Mar-13	28-Mar-13	21												
J10.82	INSTALL BRIDGE BARRIER	4	29-Mar-13	03-Apr-13	21												
J10.84	CONCRETE CURING	7	03-Apr-13	08-Apr-13	35												

**SR 2103 - Pineville Road**

SR 2103 V3 Pineville Road

**Baseline Schedule - WBS Summary Schedule**

Activity ID	Activity Name	Orig. Dur.	Start	Finish	Total Float	2012						2013						
						Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	
J10.90	ARCHITECTURAL SURFACE TREATMENT STAINING	5	08-Apr-13	15-Apr-13	21													
J10.92	BEAM STAINING	2	15-Apr-13	17-Apr-13	21													
J10.94	PROTECTIVE COATINGS FOR REINFORCED CONCRETE SURF...	4	17-Apr-13	22-Apr-13	21													
<b>L12 GUIDE RAIL</b>		5	22-Apr-13	29-Apr-13	21													
L12.10	INSTALL GUIDERAIL	3	22-Apr-13	24-Apr-13	21													
L12.20	INSTALLIMPACT ATTENUATORS	2	25-Apr-13	29-Apr-13	21													
<b>Z PROJECT CLOSEOUT</b>		150	13-Nov-12	14-Jun-13	0													
Z.05	Total Duration(LOE)	267	13-Nov-12	14-Jun-13	0													
Z.10	Punchlist Works	10	03-May-13	17-May-13	21													
Z.90	Project Final Completion	0		14-Jun-13*	0													

**SR 2103 - Pineville Road**

SR 2103 V3 Pineville Road

**Baseline Schedule - WBS Summary Schedule**