

6977.13 DPWH
04-X-2006

REPUBLIC OF THE PHILIPPINES
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
OFFICE OF THE SECRETARY
MANILA

APR 24 2006

DEPARTMENT ORDER)	SUBJECT :	REVISED SCHEDULE OF
NO. 25)		FEEES AND CHARGES FOR
SERIES OF 2006)		LABORATORY TESTING
XXXXXXXXXXXXXXXXXX)		OF CONSTRUCTION
)		MATERIALS

04-X-06

By virtue of Executive Order 197 dated 13 January 2000, directing all Departments, Bureaus, Commissions, Offices and instrumentalities of the National Government, including Government-owned or controlled Corporations, to increase their fees and charges by not less than 20 percent, subject to certain exception, the attached Revised Schedule of Fees and Charges for Testing of Construction Materials and Other Services is hereby prescribed, and shall take effect fifteen (15) days after the last publication in a newspaper of general circulation.

HERMOGENES E. ERDANE, JR.
Acting Secretary



WIN6U00082

Attachment: As stated

**SCHEDULE OF FEES AND CHARGES
 FOR LABORATORY TESTING OF CONSTRUCTION MATERIALS**

KIND OF TEST/SERVICE	OLD RATE 2002	NEW RATE
I. SOIL		
1 Grading	160.00	200.00
2 Liquid Limit	100.00	120.00
3 Plastic Limit	100.00	120.00
4 Shrinkage Limit	120.00	150.00
5 Moisture Content	50.00	60.00
6 Compaction (Proctor)	470.00	570.00
7 Compaction (Modified)	530.00	640.00
8 Field Density	310.00	380.00
9 California Bearing Ratio (CBR)	1,160.00	1,160.00
10 Penetration (CBR), per molded specimen	70.00	90.00
11 Swell (CBR), per molded specimen	70.00	90.00
12 Specific Gravity	130.00	160.00
13 Unit Weight		
Disturbed Samples	100.00	120.00
Undisturbed Samples	100.00	120.00
14 Combined Sieve and Hydrometer	500.00	500.00
15 Consolidation	1,100.00	1,320.00
16 Consolidation of wet and dry specimen under a 10 psi unit load (correction factor for "k" value)	1,300.00	1,560.00
17 Direct Shear	2,080.00	2,080.00
18 Direct Shear one loading	1060.00	1,280.00
19 Triaxial Compression	3,120.00	3,120.00
20 Triaxial Compression one Loading	2,080.00	2,500.00
21 Unconfined Compression per Test	360.00	360.00
22 Compression including molding (Soil-Stabilization) per molded specimen	160.00	200.00
23 Absorption (Soil-Stabilization)	160.00	200.00
24 Wash Loss	100.00	120.00
II. AGGREGATES AND SOIL-AGGREGATES (For sub-base, base and surface course)		
1 Grading	160.00	200.00
2 Material Finer than No. 200 Sieve	140.00	170.00
3 Combined Sieve and Hydrometer	500.00	500.00
4 Crushing	160.00	200.00
5 Unit Weight, Loose and Rodded	120.00	150.00
6 Liquid Limit	100.00	120.00

**SCHEDULE OF FEES AND CHARGES
 FOR LABORATORY TESTING OF CONSTRUCTION MATERIALS**

KIND OF TEST/SERVICE	OLD RATE 2002	NEW RATE
7 Plastic Limit	100.00	120.00
8 Specific Gravity and Absorption	200.00	200.00
9 Absorption	100.00	120.00
10 Specific Gravity	110.00	140.00
11 Moisture Content	70.00	90.00
12 Abrasion	350.00	420.00
13 California Bearing Ratio (CBR)	1,160.00	1,160.00
14 Stripping	280.00	340.00
15 Triaxial Mix with Asphalt, complete with Laboratory Compacted Density, Absorption Swell and Stability Characteristics		
a) First Trial	1,300.00	1,570.00
b) Each Extra Trial	820.00	990.00
16 Swell characteristics with bituminous materials	280.00	340.00
17 % Fractured Face	100.00	120.00
18 Soundness	330.00	400.00
19 Organic Impurities	200.00	240.00
20 Trial Mix (Concrete Design) given cement factor	920.00	1110.00
21 Trial Mix (Concrete Design) given strength:		
a) First Trial	880.00	1060.00
b) Each extra Trial	680.00	820.00
22 Air Content of Fresh Mixed Concrete	140.00	170.00
23 Mortar Strength, 7 days	160.00	200.00
24 Trial Mix with asphalt for Marshall	470.00	570.00
25 Particles with specific gravity less than 2.00	140.00	170.00
26 Clay Lumps in Aggregates	80.00	100.00
III. HYDRAULIC CEMENT		
1 Fineness by #200 Sieve	70.00	90.00
2 Specific Gravity	110.00	140.00
3 Normal Consistency	70.00	90.00
4 Time of Setting by Gilmore Needles	60.00	80.00
5 Soundness by Pat Test	60.00	80.00
6 Soundness by Autoclave Expansion	230.00	280.00
7 Compressive Strength: 1 day	110.00	140.00
Compressive Strength: 3 days	110.00	140.00
Compressive Strength: 7 days	110.00	140.00
Compressive Strength: 28 days	110.00	140.00

**SCHEDULE OF FEES AND CHARGES
 FOR LABORATORY TESTING OF CONSTRUCTION MATERIALS**

KIND OF TEST/SERVICE	OLD RATE 2002	NEW RATE
8 Air Content	110.00	140.00
9 Loss on Ignition	120.00	150.00
10 Insoluble Residue	160.00	160.00
11 Sulfur Trioxide (Cement)	160.00	160.00
12 Magnesium Oxide	160.00	160.00
13 Silicon Dioxide	160.00	160.00
14 Aluminum Oxide	160.00	200.00
15 Ferric Oxide	160.00	200.00
16 Calcium Oxide	160.00	200.00
IV BITUMINOUS MATERIALS		
1 Penetration	110.00	140.00
2 Ductility	230.00	280.00
3 Softening Point	160.00	200.00
4 Float Test	160.00	200.00
5 Viscosity	160.00	200.00
6 Distillation		
a) Emulsified Asphalt	310.00	380.00
b) Cut-back, Tar and petroleum products	380.00	460.00
7 Storage Stability	120.00	150.00
8 Specific Gravity	70.00	90.00
9 Loss on Heating	120.00	150.00
10 % Bitumen		
a) Solubility in Carbon Disulfide	160.00	200.00
b) Solubility in Carbon Tetrachloride	160.00	200.00
11 Spot Test	170.00	210.00
12 Flash and Fire Point	120.00	150.00
13 Cement Mixing	120.00	150.00
14 Sieve Test	120.00	150.00
15 Modified Miscibility	230.00	280.00
16 Water Content	220.00	270.00
17 Stone Coating	70.00	90.00
18 Settlement Test	160.00	200.00
19 Residue of Specified Penetration	230.00	280.00
20 Particle Charger Tester	180.00	220.00

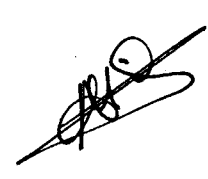



**SCHEDULE OF FEES AND CHARGES
 FOR LABORATORY TESTING OF CONSTRUCTION MATERIALS**

KIND OF TEST/SERVICE	OLD RATE 2002	NEW RATE
V. BITUMINOUS MIXTURES (Including Rock Asphalt)		
1 Extraction	220.00	270.00
2 Swell and Stability Characteristics with Laboratory Compacted Density and Absorption	800.00	970.00
3 Density of % Voids of Compacted Mixtures	110.00	140.00
4 Marshall Stability	220.00	270.00
5 Field Density	220.00	270.00
VI. MISCELLANEOUS MATERIALS (CHEMICAL)		
1 Lime, Limestone, Clay Shakes and Slags		
a) Chemical Analysis, per constituent	160.00	200.00
b) Loss on Ignition	140.00	170.00
c) Moisture Content	120.00	150.00
d) Residue	70.00	90.00
2 Premolded Expansion Joint Filler		
a) Absorption	120.00	250.00
b) Compression and Recovery	230.00	280.00
3 Paint and Paint Materials:		
a) Paint composition on ready mixed paint	790.00	950.00
b) Pigment composition each constituent	230.00	280.00
c) Viscosity (Stormer Viscometer)		
d) Analysis of varnish	1,160.00	1,400.00
e) Analysis of Aluminum Pigment	790.00	950.00
f) Analysis of Linseed Oil	1,220.00	1,470.00
g) Analysis of Reflectorized (Beaded)		
Traffic Paints Type I (White)	2,320.00	2,790.00
(Yellow)	2,560.00	3,080.00
Traffic Paints Type II (White)	1,860.00	2,240.00
(Yellow)	2,090.00	2,510.00
h) Analysis of Reflectorized Thermoplastic		
Traffic Paints (White and Yellow)		
h.1) Specific Gravity	190.00	230.00
h.2) Softening Point	270.00	330.00
h.3) Drying Time	70.00	90.00
h.4) Appearance of Paint Film	70.00	90.00
h.5) Tackiness	70.00	90.00
h.6) Thickness	60.00	80.00

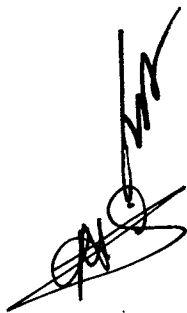
**SCHEDULE OF FEES AND CHARGES
 FOR LABORATORY TESTING OF CONSTRUCTION MATERIALS**

KIND OF TEST/SERVICE	OLD RATE 2002	NEW RATE
g.7) Vehicle Binder (%m)	1,110.00	1,340.00
g.8) Glass Beads Content (%m)	410.00	500.00
g.9) Glass Beads Grading	80.00	100.00
h) Red Lead and Red Oxide Primer	1,250.00	1,500.00
l) Latex, Flatwall and Quick Dry Enamel	1020.00	1230.00
4 Water		
a) Suitability for Concreting	970.00	1,170.00
b) Special Determination per Constituents	190.00	230.00
c) pH Test	190.00	230.00
d) Total Solid	190.00	230.00
e) Sulfate	190.00	230.00
f) Chloride	190.00	230.00
5 Galvanized Iron and Steel Sheets		
a) Zinc Coating		
1. For the first sample	160.00	200.00
2. For each additional sample	100.00	120.00
b) Gauge Determination	70.00	90.00
c) Bend and Flaking Test	70.00	90.00
6 Reflective Sheetings		
a) Thickness	100.00	120.00
b) Adhesion	180.00	220.00
c) Heat Resistance	370.00	450.00
d) Solvent Resistance	370.00	450.00
e) Reflectivity	100.00	120.00
7 Curing Compound	1,200.00	1,440.00
VII. CONCRETE AND CEMENT PRODUCTS		
1 Molded concrete samples		
a) Compressive strength of concrete cubes 6" x 6"	80.00	100.00
b) Compressive strength of concrete cylinders 1.6" x 12"	80.00	100.00
2.8" x 16"	100.00	120.00
c) Flexural strength of concrete beams 6" x 6" in cross-section	120.00	120.00
2 Cutting of concrete samples to standard sized for strength determination	320.00	320.00

**SCHEDULE OF FEES AND CHARGES
FOR LABORATORY TESTING OF CONSTRUCTION MATERIALS**

KIND OF TEST/SERVICE	OLD RATE 2002	NEW RATE
3 Pipes and Rain Test		
a) Water absorption	120.00	150.00
b) Water absorption with coefficient of saturation	160.00	200.00
c) Dimension measurement	70.00	90.00
d) reinforcement measurement	70.00	90.00
e) Strength		
1. Non-reinforced		
a) 10" nominal size and under	290.00	350.00
b) Over 10" to 18" nominal size	380.00	460.00
2. Reinforced		
a) 24" nominal size and under	430.00	520.00
b) Over 24" to 30" nominal size	550.00	660.00
c) Over 30" to 42" nominal size	720.00	870.00
d) Over 42" to 60" nominal size	1,200.00	1,440.00
4 Masonry building units and paving blocks:		
a) Complete tests for 10-units sample of concrete and clay hollow blocks	1060.00	1280.00
b) Compressive strength	120.00	120.00
c) Moisture content	120.00	150.00
d) Water absorption and moisture content	120.00	150.00
e) Water absorption and coefficient saturation	160.00	200.00
f) Dimension measurement	70.00	90.00
g) flexural strength	120.00	150.00
5 Flooring materials		
a) Flexural Strength		
1. Cement tiles 2 cm x 20 cm x 20 cm nominal size and under par 5-unit sample	200.00	240.00
2. Slabs 4 cm x 50 cm x 50 cm maximum nominal size per unit	120.00	150.00
6 Asbestos Cement Sheets		
a) Flexural Strength		
1. Flat sheets, per 3 standard test specimen or less	180.00	220.00
2. For each additional standard test specimen	70.00	90.00
3. Corrugated sheets per 3 standard test specimens or less	230.00	280.00
4. For each additional standard test specimen	70.00	90.00



**SCHEDULE OF FEES AND CHARGES
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KIND OF TEST/SERVICE	OLD RATE 2002	NEW RATE
b) Water Absorption		
1. For 3 standard test specimen	230.00	280.00
2. For each additional standard test specimen	70.00	90.00
7 Asbestos Cement Pipes		
a) Crushing strength		
1. 10" nominal size and under	160.00	200.00
2. Over 10" to 18" nominal size	230.00	280.00
3. Over 18" to 30" nominal size	320.00	390.00
b) Flexural strength for pipes 8" nominal size and under	160.00	200.00
VIII. FERROUS AND NON-FERROUS METAL AND ALLIED PRODUCTS		
1 Steel Bars for complete reinforcement		
a) Complete Test		
1. For Plain bars	650.00	780.00
2. For Deformed bars	740.00	890.00
b) Tensile properties	140.00	170.00
c) Bending properties	100.00	100.00
d) Deformation measurement	100.00	100.00
e) Variation in weight	70.00	90.00
2 Cast iron pipes and centrifugally cast pipes		
a) Hydraulic test cast iron soil pipes	320.00	390.00
b) Hydraulic test with test pressure over 50 psi up to 1000 psi for pipes 10" nominal size and under	470.00	570.00
c) Flexural strength standard test bars, A, B, C	230.00	280.00
d) Tensile properties prepared standard test specimen	230.00	280.00
e) Dimension Measurement	70.00	90.00
f) Chemical Analysis		
1. Sulfur content	320.00	390.00
2. Phosphorous content	230.00	280.00
3 Steel Pipes		
a) Hydrostatic test with test pressure over 50 psi up to 1000 psi for pipes 10" nominal size and under	470.00	570.00
b) Dimension measurement	70.00	70.00




**SCHEDULE OF FEES AND CHARGES
 FOR LABORATORY TESTING OF CONSTRUCTION MATERIALS**

KIND OF TEST/SERVICE	OLD RATE 2002	NEW RATE
c) Weight Determination	70.00	90.00
d) Weight of Zinc coating	470.00	570.00
e) Thickness or uniformity of coating by Preece test method	320.00	390.00
4 Wire and Wire ropes		
a) Tensile properties for wire from gage 10 up	160.00	200.00
b) Ductility of wire	160.00	200.00
c) Adherence of coating	160.00	200.00
d) Uniformity of coating by Preece Test Method	160.00	200.00
e) Weight of Zinc coating	230.00	280.00
f) Breaking strength of wire ropes		
1. 1/2" nominal size and under	320.00	390.00
2. Over 1/2" to 1" nominal size	470.00	570.00
g) Dimension measurement	70.00	90.00
5 Standard Test Specimens and Miscellaneous Metal Products		
a) Tensile properties of prepared test specimen	350.00	420.00
b) Hardness test, Brinnel or Rockwell:		
1. For the first specimen	160.00	200.00
2. For each additional specimen	70.00	90.00
c) Impact test, Charpy, Izad or Tensile prepared test specimen		
1. For the first test specimen	160.00	200.00
2. For each additional test specimen	70.00	90.00
d) Wheelborrow check test	470.00	570.00
e) Cast iron manhole frame and cover check test	470.00	570.00
f) Load test, hydraulic jacks, not over 50 tones capacity	2,320.00	2,790.00
g) Chemical analysis per element sulfur	230.00	280.00
h) Reflective Pavement Studs (Flexural Strength)	350.00	420.00
IX. MISCELLANEOUS MATERIALS (MECHANICAL)		
1 fiber rope		
a) tensile strength		
1. For ropes 1" in nominal size and under	230.00	280.00
2. Over 1" up to 2" in nominal size	320.00	390.00
3. Over 2" up to 3" in nominal size	470.00	570.00

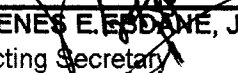
**SCHEDULE OF FEES AND CHARGES
FOR LABORATORY TESTING OF CONSTRUCTION MATERIALS**

KIND OF TEST/SERVICE	OLD RATE 2002	NEW RATE
X. SPECIAL TESTS		
1 Verification of testing machines by means of standard proving rings:		
a) Testing machines with capacity range of 2,000 lbs and under per range	1,620.00	1,950.00
b) Over 2,000 lbs up to 20,000 lbs per range	3,710.00	4,460.00
c) Over 20,000 lbs up to 200,000 lbs per range	6,960.00	8,360.00
d) Over 200,000 lbs up to 400,000 lbs per range	9,280.00	11,140.00
2 Additional charges for verification and calibration test performed at location		
a) Fees while proving rings are in transit or at location per day:		
1. Proving rings with loading capacity of 2,000 lbs	320.00	390.00
2. Proving rings with loading capacity of 20,000 lbs	470.00	570.00
3. Proving rings with loading capacity of 200,000 lbs	790.00	950.00
XI. MISCELLANEOUS SERVICES		
1 Plate Bearing Test and/or Subgrade Modulus Determination (k value Uncorrected), fixed charge up to 100 tons	3,710.00	4,460.00
2 Load Test on Piles, fixed charge up to 100 tons	6,490.00	7,790.00
3 Resistivity Test		
a) Rental of equipment, per day or fraction thereof	790.00	950.00
4 Concrete Core Drilling		
a) Rental of equipment, per day or fraction thereof	420.00	510.00
b) Per core drilled	790.00	950.00

**SCHEDULE OF FEES AND CHARGES
FOR LABORATORY TESTING OF CONSTRUCTION MATERIALS**

KIND OF TEST/SERVICE	OLD RATE 2002	NEW RATE
XII. SUBSURFACE EXPLORATION		
1. Mobilization	5,230.00	6,280.00
2. Demobilization	5,230.00	6,280.00
3. Drilling through		
a) Ordinary Soil, per Linear Meter	880.00	1,060.00
b) Gravel/Rocks, using Diamond/Tungsten bit, per Linear Meter	1,740.00	2,090.00
c) Standard Penetration Test (SPT), per SPT		50.00
4. Hole to Hole Transfer, per move	1,740.00	2,090.00
5. Core Box, per box		1,000.00
6. Miscellaneous Expenses (During Operation)		
a) Diesel oil for Drilling Machine/Water Pump (per day)		460.00
b) Diesel/Gasoline for Service Vehicle, (per day)		230.00
c) Water Supply Source, per day		200.00
d) Plastic bags, Pentel pen, etc		1,000.00

APPROVED:


HERMOGENES E. EBDANE, JR.
Acting Secretary



WIN6U00082