

## **EXECUTIVE SUMMARY CITY OF PORT PHILLIP MONUMENT SURVEY, JULY 2008**

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The priority settings listed below are based on the structural integrity of each artefact e.g., is there a danger of losing material from the artefact and any risks to the general public.

A variation on all the costs listed below is requested for unforeseen deterioration and problems that might arise during treatments.

Memorial to George Summerhill.....\$5000

- Clean
- Apply coating
- Stone repair

*Priority – Medium*

Railway Accident Memorial.....\$6500

- Clean
- Stabilise corrosion
- Repair pointing

*Priority – High*

War Memorial Fountain (Port Melb.).....\$9000 (conserve)

- Clean
- Repair pointing
- Infill losses
- Apply coating
  
- Restore stone work.....\$20000

*Priority – High*

The Lairdet Memorial.....\$1000

- Clean

*Priority – Low*

Centenary Bridge Memorial.....\$3000

- Clean
- Stabilise corrosion
- Repair render

Lieut. JM Bennett.....\$6000  
• Clean  
• Apply coating

*Priority – Medium*

Fairchild Fountain.....\$5000  
• Clean  
• Plumbing  
• Lettering repair (paint)  
• Repair pointing  
  
• Return to working order.....\$12000

*Priority – High*

St Kilda War Memorial.....\$3800  
(Cenotaph)  
• Remove graffiti  
• Repair pointing

*Priority – High*

Captain Cook Memorial.....\$5300  
• Clean  
• Patinate surfaces  
• Repair pointing

*Priority – Medium*

Salvi Cleve Fountain.....\$7000  
• Clean  
• Repair tap ware  
• Replicate metal sections  
  
• Restore to working order.....\$25000

*Priority – Medium*

Edwin Knox Memorial.....\$2000  
• Repair concrete surround  
• Repair tap ware

*Priority – Low*

Obelisks.....\$500  
• Clean

*Priority – Low*

Site of First Building.....\$1500  
in St Kilda

- Clean
- Repair pointing

*Priority – Low*

Edward O'Donnell.....\$40-45000

- Repair masonry elements
- Clean

*Priority – High*

Shipperheyn sculpture.....\$2000

- Clean
- Repair pointing

*Priority – Low*

Creswell Monument.....\$1600

- Clean
- Apply coating

*Priority – Low*

Isaac Jacobs fountain.....\$4200

- Clean
- Repair pointing
- Remove chain

*Priority – Medium*

Point Ormond Beacon.....\$15000

- Stabilise corrosion
- Apply coating

*Priority – High*

Memorial Cairn Point Ormond.....\$1000

- Clean

*Priority – Low*

Catani Clock tower.....\$5500

- Clean
- Apply coating
- Remove copper corrosion

*Priority – Medium*

HH Skinner.....\$7800

- Clean
- Apply coating

*Priority – Medium*

Bowling Club Fountain.....\$10000

- Disassemble
- Stabilise corrosion
- Apply coating
- Repair masonry elements

*Priority – High*

Albert Road fountain.....\$5600

- Clean
- Repair masonry
- Restore plaque

*Priority – Medium*

Eastern Road fountain.....\$3000

- Clean
- Repair pointing

*Priority - Medium*

Bank Street memorial.....\$2000

- Clean
- Replace fasteners

*Priority – Medium*

Charles Moore memorial.....\$3000

- Clean
- Repair gilding

*Priority – Medium*

African War Memorial.....\$3900

- Clean
- Remove copper corrosion
- Repair pointing

*Priority – Medium*

# **AFRICAN WAR MEMORIAL, SOUTH MELBOURNE – CONDITION ASSESSMENT AND TREATMENT PROPOSAL**

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**July 2008**

## **Brief description**

- Granite column with decorative bronze banding, plaques and capping.
- There are four lions carved from sandstone over granite block work plinths in each corner of a paved apron.

## **Condition**

- Dirt, micro flora and foreign matter accumulated over all surfaces and especially over sandstone of lions.
- Bronze elements illustrate uneven patination possibly due to contamination from nearby tram tracks.
- A plaque is unevenly patinated with unsightly bright green deposits over lower sections (loss of pointing in block work above the plaque has allowed salts carried by water from masonry elements inside the monument to corrode the metal).
- Copper corrosion products from bronze components have stained surrounding stone work.
- General loss of pointing over block work throughout steps and lower sections of column.
- Damage to the pavement, poor repairs and misalignment, appears unsightly.

## **Treatment**

- Remove bulk dirt and micro flora over surfaces using non-ionic detergent applied on nylon brush and rinsing with water.
- Remove/reduce micro flora (and staining) over stone using calcium hypo-chlorite 7% w/v in paper poultice – rinse surfaces with water.
- Remove/reduce staining from copper corrosion products over stone using ammonium carbonate 10% w/v in paper poultice – rinse surfaces with water.
- Remove patination/corrosion over plaque and repatinate and hot apply micro crystalline wax coating.

- Remove foreign matter using chemical poultices (selected after on-site testing).
- Patinate copper metal to establish even appearance and hot apply protective micro crystalline wax coating over surfaces.
- Remove and replace existing pointing over lower sections of column, plinths and steps.
- Repair and realign pavement surround.

**Cost: \$3900 (not including GST)**

**Priority - Medium**

**Recommendations**

- Condition assess artwork annually as part of ongoing maintenance cycle.
- Clean all surfaces to remove dirt etc., annually.
- Reapply protective wax layer over all metal surfaces every three to four years.

# **EDWIN KNOX MEMORIAL, ST KILDA – CONDITION ASSESSMENT AND TREATMENT PROPOSAL**

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**July 2008**

## **Brief description**

- Granite drinking fountain over blue stone steps.
- Marble tablet with lead letter inscription at front.

## **Condition**

- Dirt accumulated over surfaces.
- Remnants of a structure that was previously over the granite base remain.
- 'Bubbler' fitting in centre of granite block bent over (appears unsightly).
- Repair concrete surrounds (subject to consideration by City of Port Phillip).

## **Treatment**

- Remove bulk dirt and micro flora over surfaces using non-ionic detergent applied on nylon brush and rinsing with water.
- Remove/reduce staining in stone using calcium hypo-chlorite 7% w/v in paper poultice – rinse surfaces with water.
- Cut overhanging foliage away from sculpture

**Cost: \$2000 (not including GST)**

**Priority: Low**

## **Recommendations**

- Condition assess artwork annually as part of ongoing maintenance cycle.
- Clean all surfaces to remove dirt etc., annually.

# **FAIRCHILD FOUNTAIN, ST KILDA – CONDITION ASSESSMENT AND TREATMENT PROPOSAL**

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July 2008

## **Brief description**

- Granite drinking fountain over blue stone steps.
- Inscription at front of fountain highlighted with black paint.

## **Condition**

- Currently not operating (tap ware has been removed from fountain).
- Accumulation of mud and debris around leaking pipe at front of fountain appears unsightly.
- Iron staining from rusting internal pipe work visible over sides of fountain.
- Iron particles in the drinking water have stained the inner rim of the drinking bowl (appears unsightly).
- Paint in the inscribed lettering in the stone is weathered and faded.
- Losses to block work pointing over steps and around base of fountain.
- Indented stone repairs inside drinking bowl indicate rectification of earlier damage.

## **Treatment**

- Remove iron staining inside the drinking bowl and over the sides of the fountain using a solution of sodium dithionite 10% w/v in water applied in paper poultice – rinse residues away using pressure wash.
- Remove leaking pipe, mud and debris at front of fountain.
- Renovate lettering over inscription using paraloid B72 to seal existing material and applying enamel paint over.
- Renovate pointing over block work in steps.
- Investigate feasibility of restoring water and tap ware to fountain.

**Conservation works cost: \$5000 (not including GST)**

Plumbing works pending external quote (estimated cost: \$12000)

**Priority: Low**

## **Recommendations**

Assess condition of fountain annually as part of ongoing maintenance cycle.

# **H.H. SKINNER MEMORIAL, SOUTH MELBOURNE – CONDITION ASSESSMENT AND TREATMENT PROPOSAL**

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**July 2008**

## **Brief description**

Bronze figure over granite plinth (the granite is inscribed with a dedication to H.H. Skinner).

## **Condition**

The monument is structurally sound; however, its situation close to a busy road and under trees has allowed for the accumulation of unsightly dirt and grime over stone surfaces and has caused a mottled patina to form over the bronze surfaces.

In general:

- Dirt and bird excrement over all surfaces.
- Dirt, plant residues and bird excrement have caused an unsightly streaked and mottled patina to form over bronze.
- The granite is heavily discoloured/stained from dirt, airborne pollutants and copper corrosion products.
- There are minor losses to pointing material around base of monument and over steps.

## **Treatment**

- Remove/reduce surface dirt and bird excrement over surfaces using non-ionic detergent, 10% v/v in water, applied on nylon brush and rinsing with pressure wash.
- Remove/reduce copper staining over granite using ammonium carbonate 10% w/v in paper poultice – rinse surfaces with water to remove poultice residues.
- Remove/reduce streaks and mottled patina over bronze using non-ionic detergent, 5% v/v in water, applied on nylon brush and pad and rinsing with pressure wash.
- Chemically repatinate cleaned bronze surfaces to produce a more coherent appearance.

- To prevent future accumulation of copper salts over the stone, and to create a more homogenous appearance coat bronze surfaces with hot applied micro-crystalline wax.
- Cut overhanging foliage away from monument.

**Cost: \$7800 (not including GST)**

Request variation for unforeseen problems that may arise during treatment.

**Priority: Medium**

#### **Recommendations**

- Condition assess monument annually as part of ongoing maintenance cycle.
- Clean all surfaces to remove dirt, bird excrement etc., annually.

# **ISAAC JACOBS DRINKING FOUNTAIN, ST KILDA – CONDITION ASSESSMENT AND TREATMENT PROPOSAL**

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**July 2008**

## **Brief description**

- Granite drinking fountain (with 'pergola' cover) over blue stone steps.
- Marble plaque at front has lead lettering.

## **Condition**

The fountain is structurally sound however has a very unsightly layer of dirt and grime which has hardened into a crust over all surfaces.

In general:

- Unsightly dirt 'crust' and micro flora accumulated over surfaces.
- Not operating - tap ware removed.
- Losses to pointing throughout block work.
- Chain and padlock attached to column of 'pergola'.

## **Treatment**

- Remove bulk dirt and micro flora over surfaces using non-ionic detergent applied on nylon brush and rinsing with water.
- Remove/reduce staining in stone using calcium hypo-chlorite 7% w/v in paper poultice – rinse surfaces with water.
- Remove/reduce iron staining in stone using sodium dithionite 10% w/v in paper poultice – rinse surfaces with pressure wash.

**Cost: \$4200 (not including GST)**

**Priority: Medium**

## **Recommendations**

- Condition assess artwork annually as part of ongoing maintenance cycle.
- Clean all surfaces to remove dirt etc., annually.
- Apply hydrophobing treatment annually or as required.

# **LIEUTENANT J.M. BENNETT MEMORIAL, O'DONNELL GARDENS, ST KILDA – CONDITION ASSESSMENT AND TREATMENT PROPOSAL**

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**July 2008**

## **Brief description**

Sand stone column, over granite steps, with bronze plaque attached to front.

## **Condition**

- Dirt accumulated over surfaces.
- Stone work eroded and scoured by previous graffiti cleaning.
- Stone work stained by copper residues from plaque.
- Graffiti 'tag' over steps.

## **Treatment**

- Remove bulk dirt and micro flora over surfaces using non-ionic detergent applied on nylon brush and rinsing with water.
- Remove/reduce copper staining in stone using ammonium carbonate 7% w/v in aqueous paper poultice – rinse surfaces with water.
- Restore and repair lost render over surfaces.
- Hot apply microcrystalline wax to surfaces of plaque (as well enhancing appearance will also prevent future copper residue staining of stone).

**Cost: \$6000 (not including GST)**

**Priority: Medium**

## **Recommendations**

- Condition assess artwork annually as part of ongoing maintenance cycle.
- Clean all surfaces to remove dirt etc., annually.

# **POINT ORMOND NAVIGATION BEACON, ELWOOD – CONDITION ASSESSMENT AND TREATMENT PROPOSAL**

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**July 2008**

## **Brief description**

Painted timber structure attached to masonry footings.

## **Condition**

The Beacon is currently structurally sound however will become unstable quickly if corroding elements are not replaced. Deteriorated elements over the artefact appears unsightly.

- Dirt accumulated over surfaces.
- Ferrous alloy fastenings actively corroding.
- Timber and paint layer cracking generally and especially around corroding fastenings.
- Rendered surface of masonry footings abraded/delaminating, inscribed with graffiti.

## **Treatment**

- Remove corroding fasteners and replace with stainless steel components.
- Remove existing coating (using on-site wet baking soda blasting) infill cracks in the timber, and replace with suitable exterior paint system.
- Repair renders and remove inscribed graffiti etc., over footings.

**Cost estimate: \$15000 (not including GST)**

**Priority: High**

## **Recommendations**

- Condition assess artwork annually as part of ongoing maintenance cycle.
- Clean all surfaces to remove dirt etc., annually.

# **WAR MEMORIAL FOUNTAIN, PORT MELBOURNE – CONDITION ASSESSMENT AND TREATMENT PROPOSAL**

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**July 2008**

## **Brief description**

- Marble canopy supported on four columns (bronze decorative feature attached to front)
- Granite drinking bowl over blue stone plinth and steps.
- Marble plaque with lead lettering over surfaces attached to bluestone plinth.

## **Condition**

- Dirt accumulated over all surfaces.
- Marble canopy heavily scoured and weathered – damage appears unsightly.
- Gypsum crust formation over marble at underside of canopy.
- Bronze element heavily patinated (mildly active corrosion over surfaces).
- Corrosion products from bronze element have stained surrounding marble.
- Tap ware missing from drinking bowl.
- Stone delaminating over steps mainly due to wetting and drying cycles associated with sea salts.
- Pointing between step block work generally deteriorated /weathered.
- Steps at front of fountain misaligned causing expansion of joints and also loss of pointing material.

## **Treatment**

- Remove dirt etc., over surfaces using non-ionic detergent applied on nylon brush and rinsing with water.
- Remove/reduce any staining in stone using calcium hypo-chlorite 7% w/v in paper poultice – rinse surfaces with water.
- Clean bronze element and apply protective microcrystalline wax coating to surfaces.
- Remove copper stain from marble using ammonium carbonate 10% w/v applied in paper poultice – rinse surfaces with water to remove residues.

- Remove gypsum crust at underside of canopy using ethylene diamine tetra acetic acid 10% w/v in paper poultice – remove residue by rinsing with water.
- Infill scour marks over marble canopy using glass microspheres in paraloid B72 solution with dry pigments to match existing colour.
- Apply hydrophobing treatment to blue stone steps to prevent moisture ingress into stone.
- Realign blue stone steps at front of fountain and restore pointing over all.

**Cost: \$9000 (not including GST)**

**Priority: High**

### **Recommendations**

- Condition assess artwork annually as part of ongoing maintenance cycle.
- Clean all surfaces to remove dirt etc., annually.

# **SHIPPERHEYNE SCULPTURE, ST KILDA – CONDITION ASSESSMENT AND TREATMENT PROPOSAL**

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**July 2008**

## **Brief description**

- Marble sculpture over masonry plinth faced with sections of granite.
- Gilded inscription in granite.

## **Condition**

- Dirt accumulated over marble surfaces.
- Repairs to cracks and surface detail evident over marble figure.
- 'Indented' repair over granite facing stones.
- Losses to pointing and chips/abrasions in the stone at edges of granite sections.
- Concrete fill material underneath granite sections, at ground level, broken and lost (appears unsightly).

## **Treatment**

- Remove bulk dirt and micro flora over surfaces using non-ionic detergent applied on nylon brush and rinsing with water.
- If required remove/reduce staining in marble using calcium hypochlorite 7% w/v in paper poultice – rinse surfaces with water.
- Repair pointing over granite stone work.
- Remove concrete fill underneath granite stone work and replace with suitable material (likely coloured grout).

**Cost: \$2000 (not including GST)**

**Priority: Medium**

## **Recommendations**

- Condition assess artwork annually as part of ongoing maintenance cycle.
- Clean all surfaces to remove dirt etc., annually.

# **SALI CLEVE DRINKING FOUNTAIN, ST KILDA – CONDITION ASSESSMENT AND TREATMENT PROPOSAL**

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**July 2008**

## **Brief description**

- Granite column with decorative bronze elements attached to sides and top.
- Four 'bubblers' at base of column over granite plinth and steps.
- Bronze decorative (shell) elements attached to front of 'bubbler' basins and behind 'bubbler' outlets.

## **Condition**

- Bird excrement, dirt and iron deposits (from within the stone) have formed a hard unsightly bonded layer over stone surfaces.
- Bronze surfaces are streaked by bird excrement and water.
- Bronze corrosion products have stained stone work.
- A bronze element has been lost behind a 'bubbler' outlet.
- 'Bubbler' basins are full of stones and debris (water outlets are blocked by stones).
- 'Bubbler' outlets have been removed and pipes blocked.
- Plaque (material type unknown) missing from granite face.

## **Treatment**

- Remove dirt and bird excrement over bronze surfaces using non-ionic detergent applied on nylon brush and rinsing with water.
- Remove/reduce dirt layer over stone using sodium dithionite 7% w/v in paper poultice – rinse surfaces with water.
- Reduce residual staining over stone surfaces using calcium hypochlorite 5% w/v in paper poultice – rinse surfaces with water.
- Remove/reduce copper staining over stone using ammonium carbonate 10% w/v in paper poultice – rinse surfaces with water.
- Remove debris and stones from 'bubbler' basins and drain outlets.
- Replicate and restore lost bronze element to 'bubbler' outlet.
- Restore lost plaque to granite face.

**Cost: \$7000 (not including GST)**

**Priority: Medium**

## **Recommendations**

- Condition assess artwork annually as part of ongoing maintenance cycle.
- Clean all surfaces to remove dirt etc., annually.

# **'RAILWAY ACCIDENT MEMORIAL' – CONDITION ASSESSMENT AND TREATMENT PROPOSAL**

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**July 2008**

## **Brief description**

- Cast iron column attached to granite plinth with drinking fountain.
- Lettering engraved into stone highlighted with black 'paint'.

## **Condition**

- Dirt accumulated over surfaces.
- Heavy active corrosion over metal surfaces.
- Paint work over metal disrupted and flaking over corrosion.
- Material inside engraved lettering lost/weathered.

## **Treatment**

- Remove paint and corrosion over column using wet abrasive blasting.
- Further stabilise corrosion using proprietary brand chemical.
- Apply suitable exterior paint to metal surfaces.
- Clean stone surfaces using non-ionic detergent and chemical to be selected after on-site testing.
- Restore lost/weathered 'paint' inside engraved lettering over stone work.

**Cost: \$6500 (not including GST)**

**Priority: High**

## **Recommendations**

- Condition assess artwork annually as part of ongoing maintenance cycle.
- Clean all surfaces to remove dirt etc., annually.

# **'OBELISKS', ST KILDA – CONDITION ASSESSMENT AND TREATMENT PROPOSAL**

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**July 2008**

## **Brief description**

Rendered and painted masonry towers.

## **Condition**

Dirt accumulated over surfaces.

## **Treatment**

Remove bulk dirt and micro flora over surfaces using non-ionic detergent applied on nylon brush and rinsing with water.

**Cost: \$500 (not including GST)**

**Priority: Low**

## **Recommendations**

- Condition assess artwork annually as part of ongoing maintenance cycle.
- Clean all surfaces to remove dirt etc.; annually.

# **LIARDET MEMORIAL, PORT MELBOURNE – CONDITION ASSESSMENT AND TREATMENT PROPOSAL**

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**July 2008**

## **Brief description**

Blue stone monument with two bronze plaques attached.

## **Condition**

- Dirt accumulated over surfaces.
- Dirt and gravel accumulated around base.

## **Treatment**

- Remove bulk dirt and micro flora over surfaces using non-ionic detergent applied on nylon brush and rinsing with water.
- Remove/reduce staining in stone using calcium hypo-chlorite 7% w/v in paper poultice – rinse surfaces with water.

**Cost: \$1000 (not including GST)**

**Priority: Low**

## **Recommendations**

- Condition assess artwork annually as part of ongoing maintenance cycle.
- Clean all surfaces to remove dirt etc., annually.

# **GEORGE SUMMERHILL WALTER MEMORIAL, PORT MELBOURNE – CONDITION ASSESSMENT AND TREATMENT PROPOSAL**

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**May 2008**

## **Brief description**

Bronze bust and plaque over granite plinth.

## **Condition**

The monument is structurally sound; however, its situation close to a busy road and bus stop has resulted in accumulation of unsightly dirt and grime.

- Dirt and bird excrement accumulated over exterior surfaces.
- Bird excrement has caused unsightly streaking over the bust.
- The granite is heavily discoloured from grime, airborne pollutants and dirt around the base (towards the base the pollutants have formed a 'crust').
- The granite is stained by copper corrosion products from the bust and plaque.
- A previous 'indented' repair is becoming eroded (however appears well attached to substrate).
- Uniform green patina over bronze elements.

## **Treatment**

- Remove/reduce surface dirt and bird excrement over surfaces using non-ionic detergent, 10% v/v in water, applied on nylon brush and pad and rinsing with pressure wash.
- Remove/reduce copper staining over granite using ammonium carbonate 10% w/v in paper poultice – rinse surfaces with water.
- Remove streaks over bronze metal using non-ionic detergent, 5% v/v in water, applied on nylon brush and pad and rinsing with water.
- Chemically repatinate cleaned surface over bronze if required.
- The bust and plaque may be coated in synthetic micro-crystalline wax which will prevent future accumulation of copper salts over the stone (the wax will change the appearance of the bronze).

**Cost: \$4000 (not including GST)**

**Priority: Medium**

## **Recommendations**

- Condition assess monument annually as part of ongoing maintenance cycle.
- Clean all surfaces to remove dirt, bird excrement etc., annually.

# **SITE OF THE FIRST BUILDING IN ST KILDA MONUMENT – CONDITION ASSESSMENT AND TREATMENT PROPOSAL**

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July 2008

## **Brief description**

Granite plaque attached to blue stone boulder (appears to be a foundation stone from the building itself). The plaque is inscribed and gilded.

## **Condition**

- Dirt and micro flora accumulated over upper surfaces of boulder.
- Structurally very sound.

## **Treatment**

None required.

## **Recommendations**

Condition assess monument annually as part of ongoing maintenance cycle.

# **EDWIN ODONELL FOUNTAIN, ST KILDA – CONDITION ASSESSMENT AND TREATMENT PROPOSAL**

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July 2008

## **Brief description**

- Sand stone and rendered concrete upper section with carved decorative stone elements.
- Masonry constructed pond at base of monument with rendered finish.
- Two bronze plaques attached to perimeter edge of pond.

## **Condition**

- Heavy dirt, micro flora and bird excrement accumulated over surfaces – there are plants growing under stone elements at the apex.
- Stone work generally cracked, dislodged and eroded.
- Loss to stone work at apex and over front of monument, south east face, and carved lion.
- Render over pond edging heavily cracked with larger losses to material over sides.
- Drains and outlets appear blocked – the fountain is currently not functioning.
- Bronze plaque discoloured from foreign material (appears very unsightly).

## **Treatment**

- Remove dirt, bird excrement and micro flora over surfaces using non-ionic detergent applied on nylon brush and rinsing with water.
- Remove/reduce staining in stone using calcium hypo-chlorite 7% w/v in paper poultice – rinse surfaces with water.
- Repair cracked and dislodged stone work using 'indented' material and epoxy adhesives.
- Use render repair material to restore rendered surfaces over pond – remove delaminating render where necessary.
- Investigate possibility of returning fountain to working order i.e, unblock drains and repair pump inlet.

**Cost estimate: \$30-35000 (not including GST)**

**Priority: High**

**Recommendations**

- Condition assess artwork annually as part of ongoing maintenance cycle.
- Clean all surfaces to remove dirt etc., annually.

# ***EASTERN ROAD DRINKING FOUNTAIN, SOUTH MELBOURNE – CONDITION ASSESSMENT AND TREATMENT PROPOSAL***

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**July 2008**

## **Brief description**

Marble and granite drinking fountain over blue stone steps. Engraved marble tablet at front.

## **Condition**

- Dirt accumulated over surfaces.
- Marble components heavily scoured and weathered.
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## **Treatment**

- Remove bulk dirt and micro flora over surfaces using non-ionic detergent applied on nylon brush and rinsing with water.
- Remove/reduce staining in stone using calcium hypo-chlorite 7% w/v in paper poultice – rinse surfaces with water.
- Cut overhanging foliage away from sculpture

**Cost: \$1500 (not including GST)**

## **Recommendations**

- Condition assess artwork annually as part of ongoing maintenance cycle.
- Clean all surfaces to remove dirt etc., annually.
- Apply hydrophobing treatment annually or as required.

# **GEORGE SUMMERHILL WALTER MEMORIAL, PORT MELBOURNE – CONDITION ASSESSMENT AND TREATMENT PROPOSAL**

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**May 2008**

## **Brief description**

Bronze bust and plaque over granite plinth.

## **Condition**

The monument is structurally sound; however, its situation close to a busy road and bus stop has resulted in accumulation of unsightly dirt and grime.

- Dirt and bird excrement accumulated over exterior surfaces.
- Bird excrement has caused unsightly streaking over the bust.
- The granite is heavily discoloured from grime, airborne pollutants and dirt around the base (towards the base the pollutants have formed a 'crust').
- The granite is stained by copper corrosion products from the bust and plaque.
- A previous 'indented' repair is becoming eroded (however appears well attached to substrate).
- Uniform green patina over bronze elements.

## **Treatment**

- Remove/reduce surface dirt and bird excrement over surfaces using non-ionic detergent, 10% v/v in water, applied on nylon brush and pad and rinsing with pressure wash.
- Remove/reduce copper staining over granite using ammonium carbonate 10% w/v in paper poultice – rinse surfaces with water.
- Remove streaks over bronze metal using non-ionic detergent, 5% v/v in water, applied on nylon brush and pad and rinsing with water.
- Chemically repatinate cleaned surface over bronze if required.
- The bust and plaque may be coated in synthetic micro-crystalline wax which will prevent future accumulation of copper salts over the stone (the wax will change the appearance of the bronze).

**Cost: \$5000 (not including GST)**

**Priority: Medium**

## **Recommendations**

- Condition assess monument annually as part of ongoing maintenance cycle.
- Clean all surfaces to remove dirt, bird excrement etc., annually.

# **ALBERT ROAD DRINKING FOUNTAIN, SOUTH MELBOURNE – CONDITION ASSESSMENT AND TREATMENT PROPOSAL**

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**July 2008**

## **Brief description**

Sandstone and granite drinking fountain over blue stone steps.

## **Condition**

- Dirt accumulated over surfaces.
- Stone surfaces heavily stained by pollutants and dirt.
- Corroding iron pipe work inside the fountain has caused staining inside the drinking bowl and over sides.
- Losses to pointing between block work of steps.
- Plants and vegetation throughout pointing over steps.
- Tap ware covered in iron corrosion products (appears unsightly).
- Evidence (bolts remain) of plaque that has been removed from the fountain.

## **Treatment**

- Remove dirt and micro flora over surfaces using non-ionic detergent applied on nylon brush and rinsing with water.
- Remove/reduce iron staining over stone using sodium dithionite 7% w/v in paper poultice – rinse surfaces with water.
- Remove plaque bolts from stone work and fill holes to match surrounding surfaces.

**Cost: \$5600 (not including GST)**

**Priority: Medium**

## **Recommendations**

- Condition assess artwork annually as part of ongoing maintenance cycle.
- Clean all surfaces to remove dirt etc., annually.

# **BANK STREET MEMORIAL, SOUTH MELBOURNE – CONDITION ASSESSMENT AND TREATMENT PROPOSAL**

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July 2008

## **Brief description**

- Marble and granite drinking fountain over blue stone steps.
- Cast iron light fitting over canopy.
- Copper alloy tap.
- Bronze plaque attached to front face.
- Steel rail attached to sides (allows access for children to taps).

## **Condition**

- Dirt accumulated over surfaces and especially cornices.
- Fastening bolts over plaque are loose and constructed from inappropriate metal (appear unsightly).
- Glass covers over lights are dirty and marked by bird excrement.

## **Treatment**

- Remove dirt over surfaces, and especially over cornices, using non-ionic detergent applied on nylon brush and rinsing with pressure wash.
- Replace bolts over plaque with similar metal type and appearance.
- Remove light bulb covers and clean.

**Cost: \$2000 (not including GST)**

**Priority: Medium**

## **Recommendations**

- Condition assess artwork annually as part of ongoing maintenance cycle.
- Clean all surfaces to remove dirt etc., annually.

# **BOWLING CLUB FOUNTAIN, SOUTH MELBOURNE – CONDITION ASSESSMENT AND TREATMENT PROPOSAL**

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**July 2008**

## **Brief description**

Cast iron drinking fountain with 'pergola' over stone steps and apron.

## **Condition**

Recent restoration works where metal components were painted have failed to stop corrosion. The tops of columns have also been improperly sealed to prevent water ingress.

- Cast iron elements are actively corroding and especially feet of 'pergola' legs (it is likely that water is entering through the top of the structure).
- Stone elements are stained by corrosion products.
- The fountain is inoperable.
- Stone work of apron has been dislodged in north western corner.
- Pieces of the apron stone work are in the bowl of the drinking fountain.

## **Treatment**

- Remove dirt and micro flora over surfaces using non-ionic detergent applied on nylon brush and rinsing with water.
- Dismantle 'pergola' structure
- Remove existing paint and corrosion using air abrasives and apply exterior paint system (will incorporate zinc based sacrificial coatings).
- Seal sky facing surfaces/elements to prevent water ingress using rubber caulking compound.
- Remove/reduce iron staining in stone using sodium dithionite 7% w/v in paper poultice – rinse surfaces with water.
- Rectify damaged stone work over steps and apron.

**Cost estimate: \$10000 (not including GST)**

**Priority: High**

## **Recommendations**

- Assess condition of metal work and coatings annually as part of ongoing maintenance cycle.
- Clean all surfaces to remove dirt etc., annual

# **MEMORIAL CAIRN, POINT ORMOND ELWOOD – CONDITION ASSESSMENT AND TREATMENT PROPOSAL**

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July 2008

## **Brief description**

Blue stone block work with bronze plaques embedded into front surface.

## **Condition**

- Dirt and micro flora accumulated over surfaces.
- Minor delaminations of cement capping over apex.

## **Treatment**

- Remove bulk dirt over surfaces using non-ionic detergent applied on nylon brush and rinsing with water.
- Remove micro flora over stone using calcium hypo-chlorite 7% w/v in paper poultice – rinse surfaces with water.

**Cost: \$500 (not including GST)**

**Priority: Low**

## **Recommendations**

- Condition assess artefact annually as part of ongoing maintenance cycle.
- Clean all surfaces to remove dirt and micro flora annually.

# **CAPTAIN COOK MEMORIAL, ST KILDA – CONDITION ASSESSMENT AND TREATMENT PROPOSAL**

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July 2008

## **Brief description**

- Bronze figure and plaque attached to granite plinth over blue stone steps.
- Dedication to 'Andrew Stenhouse' engraved into stone work and coloured with paint.

## **Condition**

- General dirt and grime accumulated over all surfaces.
- A stable mottled green patina has formed over bronze surfaces.
- Accumulated bird excrement has caused unsightly streaking over head and shoulders of figure.
- Graffiti residues and marks over bronze plaque appear unsightly.
- There is a build-up of green copper residues over the stone work and especially underneath the plaque.
- Paint in engraved inscription eroded.
- Pointing material between block work of steps lost and eroded.

## **Treatment**

- Remove bulk dirt and over all surfaces using non-ionic detergent, 5% v/v in water, applied on nylon brush and rinsing with pressure wash.
- Remove bird excrement over surfaces of figure using non-ionic detergent, 5% v/v in water, applied on nylon brush and pad and rinsing with pressure wash.
- If bright metal is apparent after removal of bird excrement then repatinate surfaces using potassium poly-sulphide/copper nitrate applied by brush.
- Remove graffiti residues over plaque using proprietary brand graffiti solvent and apply repatination chemicals to cleaned areas to restore patina.
- Remove copper residues over stone work using paper poultice containing 10% w/v ammonium carbonate and rinsing with pressure wash.
- Bronze metals may be coated in synthetic micro-crystalline wax which will prevent the accumulation of copper salts over the stone work however will change appearance of bronze.
- Remove existing pointing over steps and replace with new material.

**Cost: \$5300 (not including GST)**

**Priority: Medium**

**Recommendations**

- Condition assess annually as part of ongoing maintenance cycle.
- Clean all surfaces to remove dirt and copper residues annually.

# **CATANI CLOCKTOWER, ST KILDA – CONDITION ASSESSMENT AND TREATMENT PROPOSAL**

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**July 2008**

## **Brief description**

- Tower, housing clock, constructed from brick and sandstone (ornate carved in some places).
- Copper sheet cladding over roof of tower.
- Copper alloy window frames at sides.
- Bronze bust attached to sandstone plinth at base of tower.

## **Condition**

- Heavy build-up of dirt and bird excrement accumulated over sky facing surfaces.
- Heavy accumulation of copper salts from roof cladding and window frames has stained stone work.
- Under sides of sills display mild deposits (crust) of gypsum.
- Bronze bust dirty and streaked by bird excrement.

## **Treatment**

- Remove dirt and bird excrement over surfaces of figure using non-ionic detergent, 5% v/v in water, applied on nylon brush and pad and rinsing with water.
- Remove/reduce copper staining in sand stone using ammonium carbonate 10% w/v in paper poultice – rinse surfaces with water.
- Remove streaks over bronze metal using non-ionic detergent, 5% v/v in water, applied on nylon brush and pad and rinsing with water.
- Chemically repatinated cleaned surface over bronze if required.
- Copper alloy metals may be coated in synthetic micro-crystalline wax which will prevent the accumulation of copper salts over the stone work however will change appearance of metal.

**Cost estimate: \$5500 (not including GST)**

**Priority: Medium**

## **Recommendations**

- Condition assess structure annually as part of ongoing maintenance cycle.
- Clean all surfaces to remove copper corrosion products, dirt and bird excrement annually.

# **CENOTAPH WAR MEMORIAL, ST KILDA – CONDITION ASSESSMENT AND TREATMENT PROPOSAL**

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**July 2008**

## **Brief description**

Sand stone column with bronze plaques and scrolls attached to front and apex. There are steps around the monument consisting of blue stone block work.

## **Condition**

- Minor delaminations over stone surfaces.
- Graffiti 'tag' northern face.
- Losses to pointing between block work over steps.
- Even green patina has formed over bronze surfaces.
- Indented stone repairs indicate earlier damage/decay to surfaces.

## **Treatment**

- Remove graffiti using proprietary brand graffiti solvent applied by brush and rinsing with water.
- Remove remaining pointing material over steps and replace.
- Monitor stone delaminations (use photographic record to judge stability in these areas).
- Renovate pointing over steps.

**Cost: \$5800 (not including GST)**

**Priority: Medium**

## **Recommendations**

Assess condition of monument annually as part of ongoing maintenance cycle.

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# **CENTENARY BRIDGE PILLAR, PORT MELBOURNE – CONDITION ASSESSMENT AND TREATMENT PROPOSAL**

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**July 2008**

## **Brief description**

Masonry constructed column with bronze plaque and ferrous alloy lights (?) attached to sides.

## **Condition**

- Dirt accumulated over surfaces.
- Render delaminated from front surface.
- Mild corrosion evident over light fittings.
- Small graffiti 'tag'.

## **Treatment**

- Remove dirt over surfaces using non-ionic detergent applied on nylon brush and rinsing with water.
- Restore and repair lost render.
- Remove corrosion products over light fittings and apply protective coating (to be selected).
- Remove graffiti using proprietary brand graffiti solvent applied by brush and rinsed away with water.

**Cost: \$3000 (not including GST)**

**Priority: Medium**

## **Recommendations**

- Condition assess artwork annually as part of ongoing maintenance cycle.
- Clean all surfaces to remove dirt etc., annually.
- Stabilise new corrosion over light fittings if required.

# **MEMORIAL TO CHARLES MOORE, ST VINCENT GARDENS SOUTH MELBOURNE – CONDITION ASSESSMENT AND TREATMENT PROPOSAL**

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July 2008

## **Brief description**

- Marble column incorporating circular bowl and tap ware over blue stone steps.
- Lead lettering over face of marble.
- Engraved and gilded inscription in blue stone under circular bowl.

## **Condition**

- Dirt accumulated over surfaces appears unsightly and has stained marble.
- Marble components weathered/abraded and especially around circular bowl and at rear of column.
- Drain in circular bowl blocked – water and debris accumulated in bowl.
- Gilding in inscription weathered and lost.
- Two water outlets have been 'capped' - one outlet remains operational (existing outlet is an aesthetically displeasing contemporary fitting).

## **Treatment**

- Remove bulk dirt and micro flora over surfaces using non-ionic detergent applied on nylon brush and rinsing with water.
- Remove/reduce staining in stone using calcium hypo-chlorite 7% w/v in paper poultice – rinse surfaces with water.
- If possible unblock drain in circular bowl.
- Restore tap ware and if possible use visually sympathetic outlet fittings.
- Restore gilding to inscription in blue stone block work.

**Cost estimate: \$3700 (not including GST)**

Final cost pending plumbers assessment of drain ( estimate cost \$12000)

**Priority: Medium**

## **Recommendations**

- Condition assess artwork annually as part of ongoing maintenance cycle.
- Clean all surfaces to remove dirt etc., annually.

# **CRESWELL MONUMEN, ST KILDA – CONDITION ASSESSMENT AND TREATMENT PROPOSAL**

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**July 2008**

## **Brief description**

Granite plinth with bronze plaque attached.

## **Condition**

- Evidence of lost 'bust' remains over plinth.
- Edges of plinth damaged resulting in losses of material.
- Lower surfaces of plinth discoloured with hard bonded dirt layer.
- Uneven patina formation over surfaces of plaque.
- Plinth is not perpendicular (subsidence in footings).

## **Treatment**

- Remove bulk dirt and micro flora over surfaces using non-ionic detergent applied on nylon brush and rinsing with water.
- Remove/reduce bonded dirt layer over stone using EDTA (ethylene diamine tetra acetic acid) 10% w/v in paper poultice – remove softened residues with pressure wash.
- Clean plaque using non-ionic detergent applied on nylon brush and rinsing with water.
- Degrease surfaces of plaque using petroleum spirits.
- Hot apply micro crystalline wax to surfaces of plaque.

**Cost: \$1600 (not including GST)**

**Priority: Low**

## **Recommendations**

- Condition assess artwork annually as part of ongoing maintenance cycle.
- Clean all surfaces to remove dirt etc., annually.
- Apply hydrophobing treatment annually or as required.

# **MEMORIAL CAIRN, POINT ORMOND ELWOOD – CONDITION ASSESSMENT AND TREATMENT PROPOSAL**

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**July 2008**

## **Brief description**

Blue stone block work with bronze plaques embedded into front surface.

## **Condition**

- Dirt and micro flora accumulated over surfaces.
- Minor delaminations of cement capping over apex.

## **Treatment**

- Remove bulk dirt over surfaces using non-ionic detergent applied on nylon brush and rinsing with water.
- Remove micro flora over stone using calcium hypo-chlorite 7% w/v in paper poultice – rinse surfaces with water.

**Cost: \$1000 (not including GST)**

**Priority: Low**

## **Recommendations**

- Condition assess artefact annually as part of ongoing maintenance cycle.
- Clean all surfaces to remove dirt and micro flora annually.

TAB 9/20

# Elwood

R·S·L

23<sup>rd</sup> June, 2008.

Lt. Col. Graham Lockwood  
33 Merton Street  
Albert Park, Vic. 3206.

Dear Graham,

Thank you for sending me a copy of a letter dated 10<sup>th</sup> June, 2008 sent to you by the City of Port Phillip re COPP War Memorials, Stakeholders meeting on Thursday 3<sup>rd</sup> July, 2008.

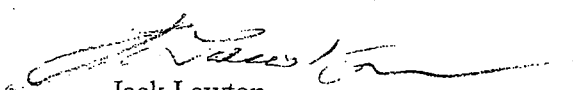
Unfortunately the 3<sup>rd</sup> July is the second day of the Victorian State RSL Conference which all Sub Branches attend.

I have asked Bill Richards, a member of the Elwood RSL Committee, to attend on my behalf.

At the June Committee meeting of the Elwood Sub-Branch, it was moved that Elwood fully support you in your quest to have all memorials and cenotaphs in the area of Port Phillip to be repaired and restored, and in the future the City of Port Phillip maintain them.

Keep up the good work.

Yours Sincerely



Jack Lawton  
President



**ELWOOD RSL SUB BRANCH INC.**  
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2 PINE AVENUE, ELWOOD, VICTORIA 3184  
PO BOX 469, ELWOOD, VICTORIA 3184  
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HER MAJESTY THE QUEEN

State President:

D. J. McLACHLAN AO

Chief Executive Officer:

MICHAEL ANNETT CSC

23 June 2008

Cr Janet Cribbes  
Mayor  
City of Port Phillip

Through:  
Lt Col Graham Lockwood  
33 Merton Street  
ALBERT PARK VIC 3206


Dear Councillor Cribbes

This letter is in support of the efforts currently being made by Lt Col Graham Lockwood and other concerned stakeholders to ensure that the War Memorials in your council area are suitably maintained and where necessary restored for future generations.

The Victorian Branch of the RSL regards it as a fundamental responsibility of local government in concert with other partners to ensure these Memorials are suitably preserved so that the current high level of community interest and involvement in Veteran commemorative activities can be maintained. In nearly all instances, War Memorials were erected by public subscription with significant contributions from the local Shires or Councils of the time and this responsibility has now passed to the current local government structures; in the same way that the RSL has maintained its responsibility for the conduct of appropriate commemoration to ensure that the service and sacrifice recorded on these Memorials is not forgotten. The upsurge in participation in recent years of the general community on ANZAC Day shows that this effort has not been in vain and we would expect the city of Port Phillip to play its part.

As you know a State Government grants scheme has been in place for some years to assist both ex-servicemen organisations and local government in achieving these outcomes.

Yours sincerely,

  
MICHAEL ANNETT  
Chief Executive Officer

"The Price of Liberty is Eternal Vigilance"  
LEST WE FORGET