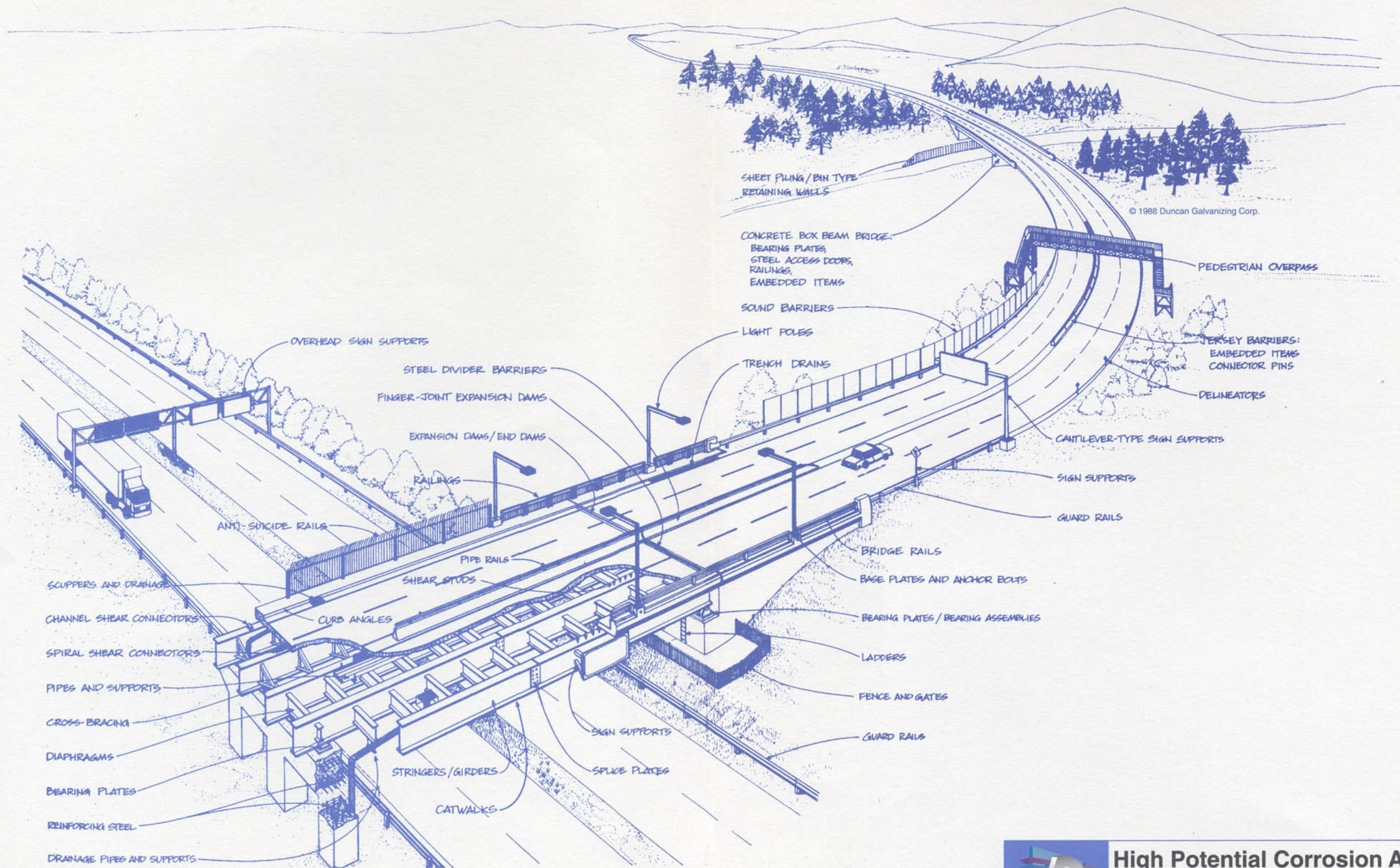


**Architectural
and Engineering
Design Guide**

**High Potential
Corrosion Areas
in Bridge and
Highway Structures**



Bridge and Highway Structures Check List

Project Name _____ Date _____

I Super Structure

- Scuppers and Drainage
- Channel Shear Connectors
- Spiral Shear Connectors
- Curb Angles
- Pipes and Supports
- Cross-Bracing
- Diaphragms
- Bearing Plates/Assemblies
- Base Plates/Anchor Bolts
- Reinforcing Steel
- Splice Plates
- Expansion Dams/End Dams
- Finger Joint Expansion Dams
- Inspection Catwalks
- Jersey Barrier (Embedded Items)
- Steel Divider Barrier
- Pipe Rail
- Curb Angles
- Drainage Pipes/Supports
- Stringers/Girders
- Sign Supports
- Shear Studs
- Bridge Rail
- Trench Drains
- Light Poles
- Guard Rails
- Anti-Suicide Rails
- Other _____
- _____
- _____
- _____
- _____

II Sub Structure

- Ladders
- Reinforcing Steel
- Sign Supports
- Catwalks
- Drainer Supports
- Sheet Piling
- Retaining Walls
- Other _____
- _____
- _____
- _____

III Highway

- Scuppers and Drainage
- Reinforcing Steel
- Steel Divider Barriers
- Overhead Sign Supports
- Trench Drains
- Sound Barriers
- Delineators
- Jersey Barrier (Embedded Items)
- Light Poles
- Guard Rail
- Base Plates/Anchor Bolts
- Sign Supports
- Anti-Suicide Rails
- Steel Divider Barriers
- Curb Angles
- Pipe Rail
- Base Plates/Anchor Bolts
- Trench Drains
- Pedestrian Overpass
- Breakaways
- Other _____
- _____
- _____
- _____

Proven Processes for High Potential Corrosion Areas

Duragalv (DG)

Enhanced hot dip galvanizing for today's steel utilizing environmentally friendly High Grade zinc.

Colorshield (CS)

A translucent polymer coating that is *perfect* for those areas where a hint of color is desired.

Primergalv (PG)

A factory applied universal primer for freshly galvanized steel, which is to receive a field-applied topcoat.

Colorgalv (CG)

A patented and warranted factory-applied architectural color finish for hot dip galvanized steel.

Thermoset (TS)

A high performance, dry applied polyester material that can be applied over ANY metal substrate including aluminum, or "black steel". Ideal for interior applications or wherever "architectural definition" is required

Thermoplex (TP)

A high performance dry applied thermo-plastic elastomeric coating that can be applied over ANY metal substrate including aluminum, or "black steel". Exceptionally durable, it has been proven to withstand 20,000 salt spray testing.

Colorgalv Thermoset (CGTS) and Colorgalv Thermoplex (CGTP)

Where extreme corrosion is a concern, Duncan Colorgalv Thermoset and Duncan Colorgalv Thermoplex are designed to be applied over a freshly galvanized surface.



Duncan Galvanizing
69 Norman Street
Everett, MA 02149

Tel 617-389-8440
 Fax 617-389-9277

Quality Since 1890