BRIDGE: CUY-10-0869 **SFN:** 1801325

CALCULATED BY: ERK **DATE:** 11/07/19
CHECKED BY: MTJ **DATE:** 11/07/19

CARPENTER MARTY transportation

ESTIMATED QUANTITIES

ITEM	ITEM EXT.	DESCRIPTION
512E10051	SEALING OF CONCRETE SURFACES (NON-EPOXY), AS PER PLAN	

Sidewalk length = 1260.89 ft
Perimeter sealed = 6.00 ft
Number of sides = 2 each
Area = 15130.68 ft^2

Total Quantity = 1682 SY

512E10101	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE), AS PER PLAN

Railing length = 1260.89 ft
Perimeter sealed = 4.08 ft
Number of sides = 2 each
Area = 10297.27 ft^2

West abutment perimeter = 122.13 ft
West abutment average height = 15.00 ft
West Abutment Area = 1831.88 ft^2

East abutment perimeter = 183.29 ft
East abutment average height = 30.00 ft
East Abutment Area = 5498.70 ft^2

Pier 1 perimeter = 146.56 ft
Pier 1 average height = 14.00 ft
Pier 1 Area = 2051.84 ft^2

Pier 2 perimeter = 167.65 ft
Pier 2 average height = 16.00 ft
Pier 2 Area = 2682.40 ft^2

Pier 3 perimeter = 167.65 ft
Pier 3 average height = 16.00 ft
Pier 3 Area = 2682.40 ft^2

Pier 4 perimeter = 167.65 ft
Pier 4 average height = 16.00 ft
Pier 4 Area = 2682.40 ft^2

Pier 5 perimeter = 146.56 ft
Pier 5 average height = 14.00 ft
Pier 5 Area = 2051.84 ft^2

Pier 6 perimeter = 39.00 ft
Pier 6 average height = 5.00 ft
Pier 6 Area = 195.00 ft^2

Pier 7 perimeter = 39.00 ft
Pier 7 average height = 5.00 ft
Pier 7 Area = 195.00 ft^2

Pier 8 perimeter = 39.00 ft
Pier 8 average height = 5.00 ft
Pier 8 Area = 195.00 ft^2

Total Quantity = 3374 SY

512E10601	CONCRETE REPAIR BY EPOXY INJECTION, AS PER PLAN

West abutment quantity = 37 ft
East abutment quantity = 50 ft
Pier 1 quantity = 30 ft
Pier 2 quantity = 90 ft
Pier 3 quantity = 99 ft
Pier 4 quantity = 53 ft
Pier 5 quantity = 10 ft
Pier 6 quantity = 3 ft
Pier 7 quantity = 0 ft
Pier 8 quantity = 0 ft
Length = 372 ft

Total Quantity = 372 FT

513E10201	STRUCTURAL STEEL MEMBERS, LEVEL UF, AS PER PLAN

Rail weight = 14.84 lb/ft
Length of rail = 2400 ft

Total Quantity = 40000 LB

514E00504	GRINDING FINS, TEARS, SLIVERS ON EXISTING STRUCTURAL STEEL (BELOW DECK INTERIOR)

Approximate total length of members = 8217 FT
Below deck, interior quantity (length/60) = 137 mnhr

Below deck, interior quantity = 137 MNHR

514E00504	GRINDING FINS, TEARS, SLIVERS ON EXISTING STRUCTURAL STEEL (BELOW DECK EXTERIOR)

Approximate total length of members = 25071 FT
Below deck, interior quantity (length/60) = 418 mnhr

Below deck, interior quantity = 418 MNHR

514E00504	GRINDING FINS, TEARS, SLIVERS ON EXISTING STRUCTURAL STEEL (ABOVE DECK)

Approximate total length of members = 15083 FT
Below deck, interior quantity (length/60) = 252 mnhr

Below deck, interior quantity = 252 MNHR

514E10000	FINAL INSPECTION REPAIR (BELOW DECK INTERIOR)

Paint area = 50752 ft^2
Below deck, interior quantity (area/1200) = 43 each

Total Quantity = 43 EACH

514E10000	FINAL INSPECTION REPAIR (BELOW DECK EXTERIOR)

Paint area = 231903 ft^2
Below deck, interior quantity (area/1200) = 194 each

Total Quantity = 194 EACH

514E10000	FINAL INSPECTION REPAIR (ABOVE DECK)

Paint area = 30856 ft^2
Below deck, interior quantity (area/1200) = 26 each

Total Quantity = 26 EACH

519E11101	PATCHING CONCRETE STRUCTURE, AS PER PLAN

West abutment quantity = 5 ft^2
East abutment quantity = 20 ft^2
Pier 1 quantity = 15 ft^2
Pier 2 quantity = 35 ft^2
Pier 3 quantity = 14 ft^2
Pier 4 quantity = 11 ft^2
Pier 5 quantity = 4 ft^2
Pier 6 quantity = 0 ft^2
Pier 7 quantity = 4 ft^2
Pier 8 quantity = 2 ft^2
Length = 110 ft^2

Total Quantity = 110 SF