

1808214

STEEL PAINT AREA CALCULATION

Girder	Sections															TOTAL AREA	TOTAL LEGNTH
	I			II			III			IV							
	Perimeter (in)	Length (ft)	Area (SF)	Perimeter	Length (ft)	Area (SF)	Perimeter	Length (ft)	Area (SF)	Perimeter	Length (ft)	Area (SF)	Perimeter	Length (ft)	Area (SF)		
A	192.875	17.25	277.26	193.625	52.75	851.14	192.875	17.25	277.26							1406	87
B	192.875	17.25	277.26	193.625	52.75	851.14	192.875	17.25	277.26							1406	87
C	192.875	17.25	277.26	193.625	52.75	851.14	192.875	17.25	277.26							1406	87
D	192.875	17.25	277.26	193.625	52.75	851.14	192.875	17.25	277.26							1406	87
E	192.875	17.25	277.26	193.625	52.75	851.14	192.875	17.25	277.26							1406	87
F	192.875	17.25	277.26	193.625	52.75	851.14	192.875	17.25	277.26							1406	87
G	192.875	17.25	277.26	193.625	52.75	851.14	192.875	17.25	277.26							1406	87
H	192.875	17.25	277.26	193.625	52.75	851.14	192.875	17.25	277.26							1406	87
															Sum =	11245	
															Add 30% for stiffeners and cross frames:	14,600	

FINAL INSPECTION REPAIR:

bridge total beam length = 698 ft
 Left Bridge Repair =
 5% crossframes =
 Total =

MAN HOURS FOR GRINDING FINIS, TEARS, SLIVERS ON EXISTING STEEL

Left Bridge = 12 hours

1808230

STEEL PAINT AREA CALCULATION

Girder	Sections															TOTAL AREA	TOTAL LEGNTH
	I			II			III			IV							
	Perimeter (in)	Length (ft)	Area (SF)	Perimeter	Length (ft)	Area (SF)	Perimeter	Length (ft)	Area (SF)	Perimeter	Length (ft)	Area (SF)	Perimeter	Length (ft)	Area (SF)		
A	192.875	17.25	277.26	193.625	52.75	851.14	192.875	17.25	277.26							1406	87
B	192.875	17.25	277.26	193.625	52.75	851.14	192.875	17.25	277.26							1406	87
C	192.875	17.25	277.26	193.625	52.75	851.14	192.875	17.25	277.26							1406	87
D	192.875	17.25	277.26	193.625	52.75	851.14	192.875	17.25	277.26							1406	87
E	192.875	17.25	277.26	193.625	52.75	851.14	192.875	17.25	277.26							1406	87
F	192.875	17.25	277.26	193.625	52.75	851.14	192.875	17.25	277.26							1406	87
G	192.875	17.25	277.26	193.625	52.75	851.14	192.875	17.25	277.26							1406	87
H	192.875	17.25	277.26	193.625	52.75	851.14	192.875	17.25	277.26							1406	87
															Sum =	11245	
															Add 30% for stiffeners and cross frames:	14,600	

FINAL INSPECTION REPAIR:

bridge total beam length = 698 ft
 Left Bridge Repair =
 5% crossframes =
 Total =

MAN HOURS FOR GRINDING FINIS, TEARS, SLIVERS ON EXISTING STEEL

Left Bridge = 12 hours

1808338

STEEL PAINT AREA CALCULATION

Girder	Sections															TOTAL AREA	TOTAL LEGNTH
	I			II			III			IV							
	Perimeter (in)	Length (ft)	Area (SF)	Perimeter	Length (ft)	Area (SF)	Perimeter	Length (ft)	Area (SF)	Perimeter	Length (ft)	Area (SF)	Perimeter	Length (ft)	Area (SF)		
A	118.5	60.00	592.50	118.5	56.5	557.94	119.25	68.50	680.72							1831	185
B	118.5	60.00	592.50	118.5	56.5	557.94	119.25	68.50	680.72							1831	185
C	118.5	60.00	592.50	118.5	56.5	557.94	119.25	68.50	680.72							1831	185
D	118.5	60.00	592.50	118.5	56.5	557.94	119.25	68.50	680.72							1831	185
E	118.5	60.00	592.50	118.5	56.5	557.94	119.25	68.50	680.72							1831	185
F	118.5	60.00	592.50	118.5	56.5	557.94	119.25	68.50	680.72							1831	185
G	118.5	60.00	592.50	118.5	56.5	557.94	119.25	68.50	680.72							1831	185
H	118.5	60.00	592.50	118.5	56.5	557.94	119.25	68.50	680.72							1831	185
															Sum =	14649	
															Add 25% for stiffeners and cross frames:	18,300	

FINAL INSPECTION REPAIR:

bridge total beam length = 1295 ft
 Left Bridge Repair =
 5% crossframes =
 Total =

MAN HOURS FOR GRINDING FINIS, TEARS, SLIVERS ON EXISTING STEEL

Left Bridge = 22 hours

1808354

STEEL PAINT AREA CALCULATION

Girder	Sections												TOTAL AREA	TOTAL LEGNTH			
	I			II			III			IV							
	Perimeter (in)	Length (ft)	Area (SF)							Perimeter	Length (ft)	Area (SF)	Perimeter	Length (ft)	Area (SF)		
A	104.75	162.50	1418.49													1418	163
B	104.75	162.50	1418.49													1418	163
C	104.75	162.50	1418.49													1418	163
D	104.75	162.50	1418.49													1418	163
E	104.75	162.50	1418.49													1418	163
F	104.75	162.50	1418.49													1418	163
G	104.75	162.50	1418.49													1418	163
H	104.75	162.50	1418.49													1418	163
Sum =															11348		
Add 25% for stiffeners and cross frames:															14,200		

FINAL INSPECTION REPAIR:

bridge total beam length = 1138 ft
 Left Bridge Repair =
 5% crossframes =
 Total =

MAN HOURS FOR GRINDING FINS, TEARS, SLIVERS ON EXISTING STEEL

Left Bridge = 19 hours

1808362

STEEL PAINT AREA CALCULATION

Girder	Sections												TOTAL AREA	TOTAL LEGNTH			
	I			II			III			IV							
	Perimeter (in)	Length (ft)	Area (SF)							Perimeter	Length (ft)	Area (SF)	Perimeter	Length (ft)	Area (SF)		
A	104.75	162.50	1418.49													1418	163
B	104.75	162.50	1418.49													1418	163
C	104.75	162.50	1418.49													1418	163
D	104.75	162.50	1418.49													1418	163
E	104.75	162.50	1418.49													1418	163
F	104.75	162.50	1418.49													1418	163
G	104.75	162.50	1418.49													1418	163
H	104.75	162.50	1418.49													1418	163
Sum =															11348		
Add 25% for stiffeners and cross frames:															14,200		

FINAL INSPECTION REPAIR:

bridge total beam length = 1138 ft
 Left Bridge Repair =
 5% crossframes =
 Total =

MAN HOURS FOR GRINDING FINS, TEARS, SLIVERS ON EXISTING STEEL

Left Bridge = 19 hours

1808389

STEEL PAINT AREA CALCULATION

Girder	Sections															TOTAL AREA	TOTAL LEGNTH
	I			II			III			IV							
	Perimeter (in)	Length (ft)	Area (SF)	Perimeter	Length (ft)	Area (SF)	Perimeter	Length (ft)	Area (SF)	Perimeter	Length (ft)	Area (SF)	Perimeter	Length (ft)	Area (SF)		
A	118.5	60.00	592.50	118.5	56.5	557.94	119.25	68.50	680.72							1831	185
B	118.5	60.00	592.50	118.5	56.5	557.94	119.25	68.50	680.72							1831	185
C	118.5	60.00	592.50	118.5	56.5	557.94	119.25	68.50	680.72							1831	185
D	118.5	60.00	592.50	118.5	56.5	557.94	119.25	68.50	680.72							1831	185
E	118.5	60.00	592.50	118.5	56.5	557.94	119.25	68.50	680.72							1831	185
F	118.5	60.00	592.50	118.5	56.5	557.94	119.25	68.50	680.72							1831	185
G	118.5	60.00	592.50	118.5	56.5	557.94	119.25	68.50	680.72							1831	185
H	118.5	60.00	592.50	118.5	56.5	557.94	119.25	68.50	680.72							1831	185
															Sum =	14649	
															Add 25% for stiffeners and cross frames:	18,300	

FINAL INSPECTION REPAIR:

bridge total beam length = 1295 ft
 Left Bridge Repair =
 5% crossframes =
 Total =

MAN HOURS FOR GRINDING FINIS, TEARS, SLIVERS ON EXISTING STEEL

Left Bridge = 22 hours

1808419

STEEL PAINT AREA CALCULATION

Girder	Sections															TOTAL AREA	TOTAL LEGNTH
	I			II			III			IV							
	Perimeter (in)	Length (ft)	Area (SF)	Perimeter	Length (ft)	Area (SF)	Perimeter	Length (ft)	Area (SF)	Perimeter	Length (ft)	Area (SF)	Perimeter	Length (ft)	Area (SF)		
A	104.625	47.00	409.78	105.25	67.5	592.03	104.625	47.00	409.78							1412	162
B	104.625	47.00	409.78	105.25	67.5	592.03	104.625	47.00	409.78							1412	162
C	104.625	47.00	409.78	105.25	67.5	592.03	104.625	47.00	409.78							1412	162
D	104.625	47.00	409.78	105.25	67.5	592.03	104.625	47.00	409.78							1412	162
E	104.625	47.00	409.78	105.25	67.5	592.03	104.625	47.00	409.78							1412	162
F	104.625	47.00	409.78	105.25	67.5	592.03	104.625	47.00	409.78							1412	162
G	104.625	47.00	409.78	105.25	67.5	592.03	104.625	47.00	409.78							1412	162
H	104.625	47.00	409.78	105.25	67.5	592.03	104.625	47.00	409.78							1412	162

Sum = 11293
 Add 25% for stiffeners and cross frames: **14,100**

FINAL INSPECTION REPAIR:

bridge total beam length = 1131 ft
 Left Bridge Repair =
 5% crossframes =
 Total =

MAN HOURS FOR GRINDING FINIS, TEARS, SLIVERS ON EXISTING STEEL

Left Bridge = 19 hours

1808427

STEEL PAINT AREA CALCULATION

Girder	Sections															TOTAL AREA	TOTAL LEGNTH
	I			II			III			IV							
	Perimeter (in)	Length (ft)	Area (SF)	Perimeter	Length (ft)	Area (SF)	Perimeter	Length (ft)	Area (SF)	Perimeter	Length (ft)	Area (SF)	Perimeter	Length (ft)	Area (SF)		
A	104.625	47.00	409.78	105.25	67.5	592.03	104.625	47.00	409.78							1412	162
B	104.625	47.00	409.78	105.25	67.5	592.03	104.625	47.00	409.78							1412	162
C	104.625	47.00	409.78	105.25	67.5	592.03	104.625	47.00	409.78							1412	162
D	104.625	47.00	409.78	105.25	67.5	592.03	104.625	47.00	409.78							1412	162
E	104.625	47.00	409.78	105.25	67.5	592.03	104.625	47.00	409.78							1412	162
F	104.625	47.00	409.78	105.25	67.5	592.03	104.625	47.00	409.78							1412	162
G	104.625	47.00	409.78	105.25	67.5	592.03	104.625	47.00	409.78							1412	162
H	104.625	47.00	409.78	105.25	67.5	592.03	104.625	47.00	409.78							1412	162
															Sum =	11293	
															Add 25% for stiffeners and cross frames:	14,100	

FINAL INSPECTION REPAIR:

bridge total beam length = 1131 ft
 Left Bridge Repair =
 5% crossframes =
 Total =

MAN HOURS FOR GRINDING FINIS, TEARS, SLIVERS ON EXISTING STEEL

Left Bridge = 19 hours

1808680

STEEL PAINT AREA CALCULATION

Girder	Sections															TOTAL AREA	TOTAL LEGNTH
	I			II			III			IV							
	Perimeter (in)	Length (ft)	Area (SF)	Perimeter	Length (ft)	Area (SF)	Perimeter	Length (ft)	Area (SF)	Perimeter	Length (ft)	Area (SF)	Perimeter	Length (ft)	Area (SF)		
A	104.875	67.10	586.43	105.75	48.57	428.02	104.875	67.10	586.43							1601	183
B	104.875	67.10	586.43	105.75	48.57	428.02	104.875	67.10	586.43							1601	183
C	104.875	67.10	586.43	105.75	48.57	428.02	104.875	67.10	586.43							1601	183
D	104.875	67.10	586.43	105.75	48.57	428.02	104.875	67.10	586.43							1601	183
E	104.875	67.10	586.43	105.75	48.57	428.02	104.875	67.10	586.43							1601	183
F	104.875	67.10	586.43	105.75	48.57	428.02	104.875	67.10	586.43							1601	183
G	104.875	67.10	586.43	105.75	48.57	428.02	104.875	67.10	586.43							1601	183
H	104.875	67.10	586.43	105.75	48.57	428.02	104.875	67.10	586.43							1601	183
J	104.875	67.10	586.43	105.75	48.57	428.02	104.875	67.10	586.43							1601	183

Sum = 14408
 Add 30% for stiffeners and cross frames: **18,700**

FINAL INSPECTION REPAIR:

bridge total beam length = 1279 ft
 Left Bridge Repair =
 5% crossframes =
 Total =

MAN HOURS FOR GRINDING FINIS, TEARS, SLIVERS ON EXISTING STEEL

Left Bridge = 22 hours