SECTION THROUGH BRIDGE DECK
NEAR TOWER PATHWAY PROJECTION
BRIDGE SAFETY LIGHTING. DECORATIVE LIGHTING FOR CABLES AND TOWERS
ROADWAY AND PEDESTRIAN SAFETY LIGHTING

"ROADSTAR" LED STREETLIGHT
Manufacturer: Philips Lumec

1 IESNA RP-33 Suggested standard light level for Special Pedestrian Security 0.5 fc

TYPICAL 10" OCS POLE

BRIDGE SAFETY LIGHTING, DECORATIVE LIGHTING AT CABLES AND TOWERS

ROADWAY LIGHTING COVERAGE
AVG. 0.61 FC AT 6' ABOVE DECK FOR FACIAL RECOGNITION
ROADWAY LIGHTING SECTION VIEW

ROADWAY LIGHTING PLAN VIEW

ROADWAY LIGHTING SECTION AND PLAN
BRIDGE AESTHETIC LIGHTING CONCEPT

4 MARTIN EXTERIOR 600 METAL HALIDE LIGHTS, OR COLORKINETICS
“COLOR REACH POWER CORE” LED WITH 8 DEGREE BEAM PER 10 CABLE SECTION

6 MARTIN EXTERIOR 200 SERIES METAL HALIDE OR, COLORKINETICS
“COLOR REACH” LED UPLIGHTS ON EACH TOWER

LIGHT SENSOR INFORMS THE PROGRAM OF WHAT THE TIDAL CYCLE IS DOING

OTHER SENSORS COULD INCLUDE: VELOCITY OF THE RIVER, WIND SPEED & DIRECTION, TEMPERATURE, AND RAIN FALL

METAPHORICAL IMAGE OF THE GESTURE, THE DANCE, OF THE LIGHT
ROADWAY SURFACE TREATMENT

BRUSHED CONCRETE

1/4" SCORE LINES ALIGNED WITH AUTO BARRIER POSTS

CABLE ANCHORAGE POINTS

LIGHT POLES

LIGHT RAIL TRACKS

AUTO BARRIER

GATE ACCESS TO BE DETERMINED BY TRIMET

SCORE LINES CENTERED ON THE FLOOR BEAMES BELOW THE DECK

32'-6"  32'-6"  32'-6"  32'-6"

ROADWAY PATTERN TO MATCH VERTICALS IN AUTO BARRIER
BIKEPATH AND SIDEWALK OPTIONS

OPTION 1
- 4'-6" high handrail w/ 3'-6" high PED. handrail
- Acid stained concrete surface
- PED. PATH
- Bicycle Path
- 4'-6" Bike Railing
- Bridge cable
- Cable armoring under study
- Modified T-80 auto barrier

OPTION 2
- 4'-6" high handrail w/ 3'-6" high PED. handrail
- Brushed concrete surface
- Score lines
- Painted line to divide bike/ped traffic
- PED. PATH
- Bicycle Path
- 4'-6" Bike Railing
- Bridge cable
- Cable armoring under study
- Modified T-80 auto barrier
RAILING BETWEEN BIKEPATH AND ROADWAY

SECTION A

DECK OUTSIDE RAILING

SCHEME THREE

SECTION B
MAINTENANCE ACCESS GATE TO ROADWAY
STAINED CONCRETE COLORING

LITHOCHROME Chemstain Classic
Color: CS - 16 Faded Terracotta
Lifespan: Permanent
Sealer: SCOFIELD Select-seal-W
Manufacturer: Scofield Systems

Summary:
LITHOCHROME Chemstain Classic chemically reacts with the surface of the cured concrete to produce permanent coloring effects. Due to their chemical reaction with concrete, Chemstain colors become part of the surface. They will not fade, chip, or peel and wear only as the concrete wears.

BIKE AND PEDESTRIAN PATH - CONCRETE COLORING A