WILLAMETTE RIVER BRIDGE
Portland, Oregon

PORTLAND - MILWAUKIE LIGHT RAIL PROJECT

JULY 24, 2009
SECTION: CANOPY ROOF W/A SOLAR FILM

TEFLON COATED TENSILE FABRIC W/ 25% TRANSLUCENCY

PIPE STRUCTURE FOR TENSILE FABRIC

CABLE

CABLE

CANTILEVERED DECK

CANTILEVERED RIBS FOR VIEWING A DECK

ELEVATION OF CANOPY AT MIDSPAN

E OF ROADWAY

CABLE LINE

AUTO BARRIER

BIKES

SMOOTH SURFACE

RED WAY

TEXTURED SURFACE

DECK EXTENSION AT MIDSPAN (APPROX)

PLAN OF OBSERVATION DECK AT MIDSPAN (DEPTH TO BE DETERMINED)

MIDSPAN OBSERVATION DECK

SCHEME ONE

TRIMET®

MACDONALD ARCHITECTS
OPTION: CANOPY ROOF W/A SOLAR FILM

WIRED GLASS ROOF CANOPY

PIPE STRUCTURE FOR GLASS CANOPY

CABLE A

CABLE B

CANTILEVERED DECK

RIBS FOR EXPANDED DECK

ELEVATION OF GLASS CANOPY AT MIDSPAN

E OF ROADWAY

CABLE LINE

AUTO BARRIER

STEPPED EXPANSION BE VIEWING DECK

ROOF PLAN OF GLASS CANOPY AT MIDSPAN (DEPTH OF STEPPED DECK UNDER STUDY)

MIDSPAN OBSERVATION DECK SCHEME TWO

MACDONALD ARCHITECTS
OPTION: CANOPY
ROOF BY A SOLAR FILM
ALUMINUM SKINNED CANOPY
STRUCTURE SIMILAR TO AN
AIRPLANE WING
CABLE
CABLE
CANTILEVERED DECK
CANTILEVERED RIBS FOR VIEWING DECK
ELEVATION OF ALUMINUM CANOPY AT MIDSPLAN
2 OF ROADWAY
CABLE LINE
AUTO BARRIER
EDGE OF ROOF
ROOF PLAN OF OBSERVATION CANOPY
AT MIDSPLAN
MIDSPLAN OBSERVATION DECK
SCHEME THREE
ENCLOSED STAY

4.6"

ROUND STEEL PLATES

AUTO BARRIER
F.B.D. (CAL)
ROADWAY

CABLE ANCHORAGE
CARCASS B'NT.
Blast Protection?

4' 6"

CABLE CARCASS

4' 6" BIKE RAIL

SIDEWALK

FACE OF CONC. TOWER

DETAIL OF CABLE STAY AT DECK BEAM

DETAIL OF CABLE STAY AT TOWER SADDLE
WILLAMETTE RIVER BRIDGE

THANK YOU