



NEURON CONSULT ZT
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BRIDGE OVER GOLDEN HORN IN VLADIVOSTOK, RUSSIA **OPTIMIZATION OF BRIDGE ELEMENTS WITH RISK AND COST ESTIMATION**

OWNER: Department dorozhnogo khozyaistva Primorskogo kraya, VLADIVOSTOK



LOCATION

PROJECT DESCRIPTION

THE BRIDGE OVER GOLDEN HORN BAY IS ONE OF PROJECTS THAT SHOULD BE CONSTRUCTED IN COMING YEARS AS THE PART OF PREPARATION ACTIVITIES FOR APEC 2012 MEETING IN VLADIVOSTOK.

THE BRIDGE ITSELF IS 1388,92 M LONG AND IS DESIGNED AS A CABLE-STAYED BRIDGE WITH TWO PYLONS AND SPANS OF 329.98 – 737.00 – 321.94 M.

IT SHOULD BE CONSTRUCTED IN A SEISMICALLY VERY SENSITIVE AREA WITH A STRONG WIND INFLUENCE. THE BRIDGE DECK IS DESIGNED FOR CARRYING 2*2 TRAFFIC LANES AND 2 MORE THAN 4M WIDE PEDESTRIAN LANES ON SIDES OF THE CROSS SECTION.

THE PART OF THE BRIDGE IN THE MIDDLE SPAN IS TO BE CONSTRUCTED AS A STEEL BOX GIRDER AND ADJACENT SPANS IN OUTER SPANS ARE TO BE CONSTRUCTED AS CONTINUOUS PRESTRESSED CONCRETE BOX GIRDER.



CROSS SECTION OF THE BRIDGE DECK

SERVICES PROVIDED :

- OPTIMISATION OF STRUCTURAL BRIDGE PARTS
- RISK AND COST ESTIMATION
- QUANTITY EVALUATION
- INVESTIGATION OF PRICE LEVEL ON THE INTERNATIONAL MARKET

CONSULTANCY FOR CONSTRUCTION COMPANY

PERIOD OF WORK:
3/2008 – 5/2008



SIDE VIEW TO THE CABLE STAYED BRIDGE OVER GOLDEN HORN IN VLADIVOSTOK, RUSSIA.