

**Chester W. Nimitz Senior High School
Houston, Texas - 3898 Miles traveling**

ROV: Ichiban



From Left to Right

Raymundo Berlanga (Primary Driver) Junior, Alfredo Castillo (Team Captain) Senior, Jose Perez (Tether Man) Senior, Heather Klein (ROV Launcher/ Retriever) Senior, Eddie Gil (Secondary Driver) Senior

Advisor: Gary Rodgers

This is the third international Mate competition that the team has competed in.

Height: 10 inches

Our ROV consist primarily of Ultra High-modulus Polyethylene.

Width: 12 inches

Length: 16 inches

Total Cost of ROV: \$439.09

Tether Length: about 30 feet

Weight in air: 3.7 kilograms

Our ROV contains no sharp edges or exposed wires. It has a 25 amp fuse on the positive side of our banana plugs, warning labels, protective housing on the motors, and a safety protocol.

All of our appendages (jaws, hydrophone, agar vacuum, and temperature probe) help us complete all of the missions presented in this year's MATE ROV Competition.