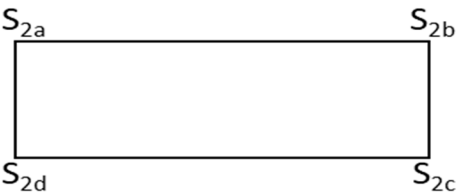
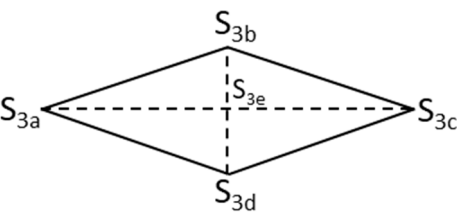
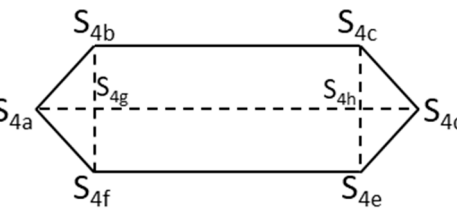
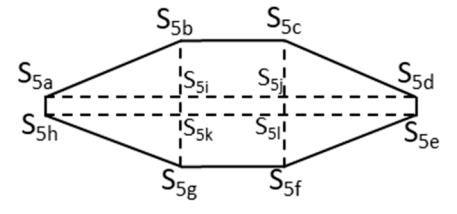
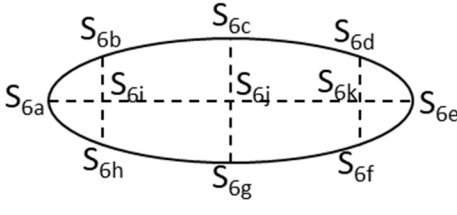


Assessment of Pier Shape and Modifications on Scouring around Bridge Pier

Rashid Farooq and Abdul Razzaq Ghumman

Table S1. Geometric parameters of pier shapes.

Rectangular (S_2) 	Length ($D_p = 5$ and 10 cm): $S_{2a}S_{2b} = S_{2d}S_{2c} = 15$ cm Width ($D_p = 5$ cm): $S_{2a}S_{2d} = S_{2b}S_{2c} = 5$ cm Width (10 cm): $S_{2a}S_{2d} = S_{2b}S_{2c} = 10$ cm
Rhombus 	Length ($D_p = 5$ and 10 cm): $S_{3a}S_{3c} = 15$ cm, $S_{3a}S_{3e} = S_{3e}S_{3c} = 7.5$ cm Width ($D_p = 5$ cm): $S_{3b}S_{3d} = 5$ cm, $S_{3b}S_{3e} = S_{3e}S_{3d} = 2.5$ cm Width (10 cm): $S_{3b}S_{3d} = 10$ cm, $S_{3b}S_{3e} = S_{3e}S_{3d} = 5$ cm
Sharp Nose (S_4) 	Length ($D_p = 5$ and 10 cm): $S_{4a}S_{4d} = 15$ cm, $S_{4g}S_{4h} = 9$ cm, $S_{4a}S_{4g} = S_{4h}S_{4d} = 3$ cm Width ($D_p = 5$ cm): $S_{4b}S_{4f} = S_{4c}S_{4e} = 5$ cm, $S_{4b}S_{4g} = S_{4g}S_{4f} = S_{4c}S_{4h} = S_{4h}S_{4e} = 2.5$ cm Width ($D_p = 10$ cm): $S_{4b}S_{4f} = S_{4c}S_{4e} = 10$ cm, $S_{4b}S_{4g} = S_{4g}S_{4f} = S_{4c}S_{4h} = S_{4h}S_{4e} = 5$ cm
Octagonal (S_5) 	Length ($D_p = 5$ and 10 cm): $S_{5a}S_{5d} = S_{5h}S_{5e} = 15$ cm, $S_{5a}S_{5i} = S_{5j}S_{5d} = S_{5h}S_{5k} = S_{5i}S_{5e} = 6$ cm, $S_{5i}S_{5j} = S_{5k}S_{5l} = 3$ cm Width ($D_p = 5$ cm): $S_{5b}S_{5g} = S_{5c}S_{5f} = 5$ cm, $S_{5b}S_{5i} = S_{5k}S_{5g} = S_{5c}S_{5j} = S_{5l}S_{5f} = 2$ cm, $S_{5a}S_{5h} = S_{5i}S_{5k} = S_{5j}S_{5l} = S_{5d}S_{5e} = 1$ cm Width ($D_p = 10$ cm): $S_{5b}S_{5g} = S_{5c}S_{5f} = 10$ cm, $S_{5b}S_{5i} = S_{5k}S_{5g} = S_{5c}S_{5j} = S_{5l}S_{5f} = 4$ cm, $S_{5a}S_{5h} = S_{5i}S_{5k} = S_{5j}S_{5l} = S_{5d}S_{5e} = 2$ cm
Elliptical (S_6) 	Length ($D_p = 5$ and 10 cm): $S_{6a}S_{6e} = 15$ cm, $S_{6a}S_{6j} = S_{6j}S_{6e} = 7.5$ cm, $S_{6i}S_{6j} = S_{6j}S_{6k} = 4.5$ cm, $S_{6a}S_{6i} = S_{6k}S_{6e} = 3$ cm, Width ($D_p = 5$ cm): $S_{6c}S_{6g} = 5$ cm, $S_{6c}S_{6j} = S_{6j}S_{6g} = 2.5$ cm, $S_{6b}S_{6h} = S_{6d}S_{6f} = 2$ cm, $S_{6b}S_{6i} = S_{6i}S_{6h} = S_{6d}S_{6k} = S_{6k}S_{6f} = 1$ cm Width ($D_p = 10$ cm): $S_{6c}S_{6g} = 10$ cm, $S_{6c}S_{6j} = S_{6j}S_{6g} = 5$ cm, $S_{6b}S_{6h} = S_{6d}S_{6f} = 4$ cm, $S_{6b}S_{6i} = S_{6i}S_{6h} = S_{6d}S_{6k} = S_{6k}S_{6f} = 2$ cm



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