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(54) Title: ELEVATED CABLEWAY SYSTEM

(57) Abstract

An improved cableway system for providing a track over which a vehicle traverses is disclosed. The improved system includes a catenary cable system (16) and a pair of track cable systems (14). The track cable systems (14) are hung from the catenary cable system (16) and support tracks over which a vehicle (12) traverses. A plurality of hangers (27) is employed to suspend the track cable systems (14) from the catenary cable system (16). A plurality of pylons (17) support the catenary and track cable systems (14, 16). A pylon (17) includes a base pylon (21), a lower saddle (200), and an upper saddle (30). The lower saddle (200) is pivotally mounted to the base pylon (21) and supports the track cable systems (14). Preferred embodiments of the lower saddle (200) include apparatuses that dampen the application of loads to the pylon (17) by the vehicle (12) traversing the system. The upper saddle (30) is supported by the base pylon (21) and supports the catenary cable system (16) while providing for deflection of the catenary cable system (16) in response to forces applied to the cableway system. A preferred embodiment of the cableway system includes a force equalizing assembly (300) for joining the catenary cable system (16) to the track cable system (14) at points between support pylons (17) to equalize the tension in the cables among the various cables.

