

Type	Structure Description	Subgroup	For Skew	For Horiz. Curve	Aesthetics	False-work	Speed of Construction	Maintenance	Widening
A	Reinforced, cast-in-place concrete slab	Straight	Good	Good	OK	Yes	Slow	Good	OK
		Haunched	Good	Good	Good	Yes	Slow	Good	OK
B	Longitudinally post-tensioned cast-in-place concrete slab	Straight	Good	Good	OK	Yes	Slow	Good	OK
		Haunched	Good	Good	Good	Yes	Slow	Good	OK
C	Longitudinally post-tensioned cast-in-place concrete box girders	N/A	OK	OK	Good	Yes	Slow	Good	No
D	2-way post-tensioned, cast-in-place concrete spine-bms. with cantilevers	1. Solid	Good	Good	Good	Yes	Slow	Good	No
		2. Voided	Good	Good	Good	Yes	Slow	Good	No
E	Prestressed precast concrete beams	1. I-Bms, Bulb-Ts	OK	Poor	OK	No	OK	Good	OK
		2. Boxes	OK	Poor	OK	No	OK	Good	OK
F	Post-tensioned bulb-tee beams	Straight	OK	No	OK	No	OK	Good	OK
		Haunched	OK	No	Good	No	OK	Good	OK
G	Jointed prestressed precast longitudinal concrete elements	1. Single tees	OK	Poor	OK	No	Good	Good	Good
		2. Double tees	OK	Poor	OK	No	Good	Good	Good
		3. Boxes	OK	Poor	OK	No	Good	Good	Good
		4. Solid slab	OK	Poor	OK	No	Good	Good	Good
H	Segmental concrete box girders	N/A	No	OK	OK	Yes/No	Good	Good	No
I	Composite steel rolled beams	N/A	OK	OK	OK	No	OK	Expensive*	OK
J	Composite steel plate girders	N/A	OK	Good	OK	No	OK	Expensive*	OK
K	Composite steel box girders	N/A	OK	Good	Good	No	OK	Expensive*	OK
L	Wood structure	1. Panel deck	Good	No	OK	No	Good	OK	Good
		2. Stressed deck	Good	Poor	OK	No	Good	OK	Good
		3. Stringers	Good	No	OK	No	Good	OK	OK
		4. Glulam beams	Good	No	OK	No	Good	OK	OK
M	Structure under fill	N/A	OK	Good	OK	No	Good	Good	Good

* Expensive if painted. Good if unpainted.

SUPERSTRUCTURE CHARACTERISTICS

Figure 59-3C