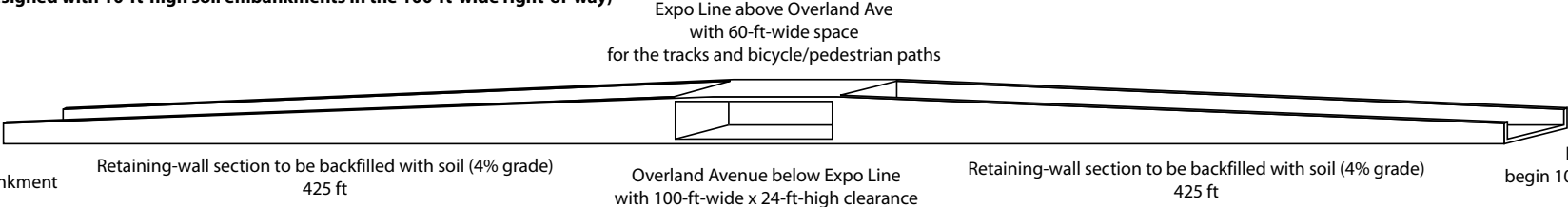


OVERLAND AVENUE GRADE SEPARATION

Typical overpass structure with 3-ft-thick walls (drawn to scale)
Volume of structural concrete: 11,200 cubic yards
Cost of structural concrete: \$10.1 million @ \$900 per cubic feet
(to be designed with 10-ft-high soil embankments in the 100-ft-wide right-of-way)



Typical underpass structure with 3-ft-thick walls (drawn to scale)
Volume of structural concrete: 8,330 cubic yards
Cost of structural concrete: \$7.5 million @ \$900 per cubic feet
(to be designed with 10-ft-deep, soil-lined open trench in the 100-ft-wide right-of-way)

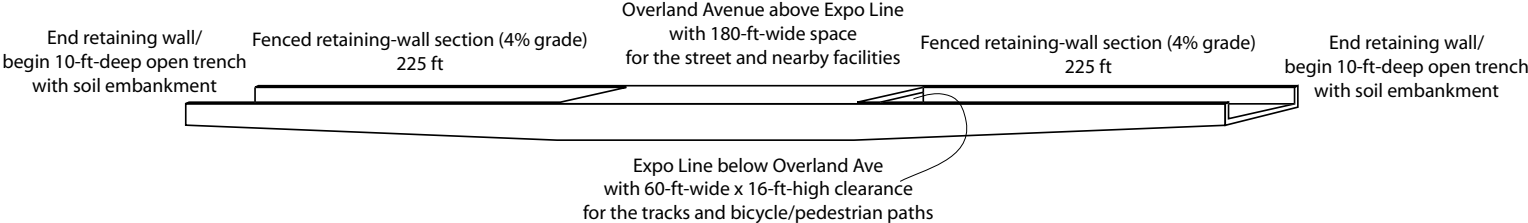


Figure A1