



SOUTH 200TH LINK EXTENSION

SEATTLE, WA

SDI Scope

*Supply and Install
Permanent Post-Tensioning*

Contractor

PCL Civil Constructors

Owner

*Central Puget Sound
Regional Transit Authority
(Sound Transit)*



SOUTH 200TH LINK EXTENSION

The South 200th Link project extends the Sound Transit commuter rail system 1.6 miles south from the SeaTac Airport to a new terminal station, Angel Lake Station, on an elevated guideway. The guideway has similar design elements to the previously completed C755 project. The double track guideway design will minimize traffic disruptions in the highly congested area.

SOUTH 200TH LINK EXTENSION

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SOUTH 200TH LINK EXTENSION

SEATTLE, WA

SDI'S SCOPE OF WORK

SDI was contracted by PCL to supply all permanent PT strand materials and lease the associated PT equipment. SDI also performed installation work on the hammerhead structures and both columns with vertical PT tendons, which incorporated SDI fusion duct hardware details.

The substructure includes cast-in-place columns with (2-stage) post-tensioned hammerhead elements. A total of 1,166 pre-cast concrete segments (single box) were cast and erected using both typical span-by-span and balanced cantilever construction techniques. The typical/simple span length was 130 ft with the long spans ranging up to 363 ft.



PROJECT MATERIAL SUMMARY

- | | |
|-----------------------|------------|
| • 0.6" PC Strand | 208 PACKS |
| • 3" Steel Duct | 4,700 LF |
| • 4" Steel Duct | 23,000 LF |
| • 4-1/2" Steel Duct | 2,800 LF |
| • 4" HDPE Duct | 1,450 LF |
| • 4-1/2" HDPE Duct | 1,800 LF |
| • 12.6-PC Anchorage | 1,416 SETS |
| • 19.6-PC Anchorage | 975 SETS |
| • 22.6-PC Anchorage | 168 SETS |
| • 27.6-PC Anchorage | 38 SETS |
| • Pre-Bent Duct | 2,800 EA |
| • 3" & 4" Fusion Duct | 900 EA |



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