

FINAL EIS - CONCEPTUAL DESIGN SR 99 ALTERNATIVE

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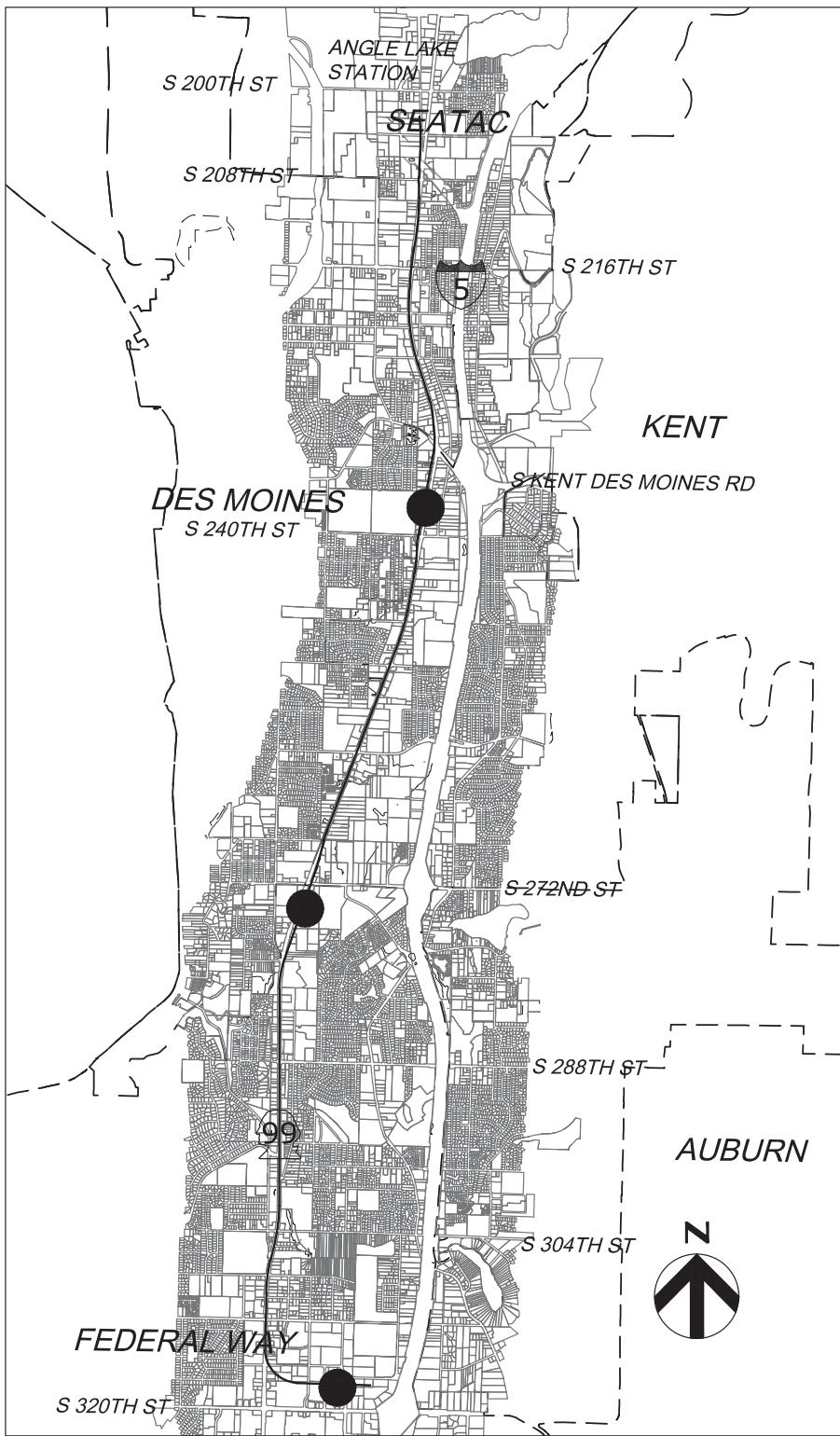
SOUNDTRANSIT



SOUND TRANSIT FEDERAL WAY LINK EXTENSION

FINAL EIS CONCEPTUAL DESIGN SR 99 ALTERNATIVE

AUGUST 2016



SHEET KEY

- SR 99 ALTERNATIVE**
- S 216TH WEST STATION OPTION (POTENTIAL ADDITIONAL STATION)
- S 216TH EAST STATION OPTION (POTENTIAL ADDITIONAL STATION)
- KENT/DES MOINES HC CAMPUS STATION OPTION
- KDM HC CAMPUS STATION OPTION FROM S 216TH WEST STATION OPTION
- KENT/DES MOINES SR 99 EAST STATION OPTION
- KENT/DES MOINES SR 99 MEDIAN STATION OPTION
- S 260TH WEST STATION OPTION (POTENTIAL ADDITIONAL STATION)
- S 260TH EAST STATION OPTION (POTENTIAL ADDITIONAL STATION)
- S 272ND REDONDO TRENCH STATION OPTION
- FEDERAL WAY SR 99 STATION OPTION

PROJECT LOCATION MAP

SOUND TRANSIT FEDERAL WAY LINK EXTENSION

Sheet No.	Drawing No.	Sheet Title
SR 99 ALTERNATIVE		
61	SR99-A00-GX00	COVER SHEET
62	SR99-A00-GX01	SHEET INDEX
63	SR99-A00-GX02	SHEET INDEX KEYMAP
64	SR99-A1-PP01	TRACK PLAN AND PROFILE STA 7+25 TO STA 30+00
65	SR99-A2-PP02	TRACK PLAN AND PROFILE STA 30+00 TO STA 56+00
66	SR99-A3-PP03	TRACK PLAN AND PROFILE STA 56+00 TO STA 82+00
67	SR99-A4-PP04	TRACK PLAN AND PROFILE STA 82+00 TO STA 108+00
68	SR99-A5-PP05	TRACK PLAN AND PROFILE STA 108+00 TO STA 134+00
69	SR99-A6-PP06	TRACK PLAN AND PROFILE STA 134+00 TO STA 160+00
70	SR99-A7-PP07	TRACK PLAN AND PROFILE STA 160+00 TO STA 186+00
71	SR99-A8-PP08	TRACK PLAN AND PROFILE STA 186+00 TO STA 212+00
72	SR99-A9-PP09	TRACK PLAN AND PROFILE STA 212+00 TO STA 238+00
73	SR99-A10-PP10	TRACK PLAN AND PROFILE STA 238+00 TO STA 264+00
74	SR99-A11-PP11	TRACK PLAN AND PROFILE STA 264+00 TO STA 290+00
75	SR99-A12-PP12	TRACK PLAN AND PROFILE STA 290+00 TO STA 316+00
76	SR99-A13-PP13	TRACK PLAN AND PROFILE STA 316+00 TO STA 342+00
77	SR99-A14-PP14	TRACK PLAN AND PROFILE STA 342+00 TO STA 368+00
78	SR99-A15-PP15	TRACK PLAN AND PROFILE STA 368+00 TO STA 394+00
79	SR99-A16-PP16	TRACK PLAN AND PROFILE STA 394+00 TO STA 419+15.90
80	FWLE_SR99_AP009	KENT DES MOINES SR99 WEST STATION - SITE PLAN
81	FWLE_SR99_AX009	KENT DES MOINES SR99 WEST STATION - SECTIONS
82	FWLE_SR99_AP007	S 272ND REDONDO STATION - SITE PLAN
83	FWLE_SR99_AX007	S 272ND REDONDO STATION - SECTIONS
84	FWLE_SR99_AP003	FEDERAL WAY TRANSIT CENTER STATION - SITE PLAN
85	FWLE_SR99_AX003	FEDERAL WAY TRANSIT CENTER STATION - SECTIONS
S 216TH WEST STATION OPTION (POTENTIAL ADDITIONAL STATION)		
86	SR99-B00-GX02	SHEET INDEX KEYMAP
87	SR99-B1-PP01	TRACK PLAN AND PROFILE STA 15+00 TO STA 30+00
88	SR99-B2-PP02	TRACK PLAN AND PROFILE STA 30+00 TO STA 56+00
89	SR99-B3-PP03	TRACK PLAN AND PROFILE STA 56+00 TO STA 82+36.28
90	FWLE_SR99_AP010	S 216TH WEST STATION OPTION - SITE PLAN
91	FWLE_SR99_AX010	S 216TH WEST STATION OPTION - SECTIONS
S 216TH EAST STATION OPTION (POTENTIAL ADDITIONAL STATION)		
92	SR99-C00-GX02	SHEET INDEX KEYMAP
93	SR99-C1-PP02	TRACK PLAN AND PROFILE STA 20+00 TO STA 34+00
94	SR99-C2-PP03	TRACK PLAN AND PROFILE STA 34+00 TO STA 59+91.74
95	FWLE_SR99_AP011	S 216TH EAST STATION OPTION - SITE PLAN
96	FWLE_SR99_AX011	S 216TH EAST STATION OPTION - SECTIONS
KENT/DES MOINES SR 99 MEDIAN STATION OPTION		
97	SR99-D00-GX02	SHEET INDEX KEYMAP
98	SR99-D1-PP04	TRACK PLAN AND PROFILE STA 10+00 TO STA 26+00
99	SR99-D2-PP05	TRACK PLAN AND PROFILE STA 26+00 TO STA 52+00
100	SR99-D3-PP06	TRACK PLAN AND PROFILE STA 52+00 TO STA 63+99.96
101	FWLE_S99_AP005	KENT/DES MOINES SR 99 MEDIAN STATION OPTION - SITE PLAN
102	FWLE_S99_AX005	KENT/DES MOINES SR 99 MEDIAN STATION OPTION - SECTIONS
KENT/DES MOINES SR 99 EAST STATION OPTION		
103	SR99-E00-GX02	SHEET INDEX KEYMAP
104	SR99-E01-PP04	TRACK PLAN AND PROFILE STA 17+95.77 TO STA 41+00
105	SR99-E02-PP05	TRACK PLAN AND PROFILE STA 41+00 TO STA 67+00
106	SR99-E03-PP06	TRACK PLAN AND PROFILE STA 67+00 TO STA 93+00
107	SR99-E04-PP07	TRACK PLAN AND PROFILE STA 93+00 TO STA 107+68.31
108	FWLE_SR99_AP006	KENT/DES MOINES SR 99 EAST STATION OPTION - SITE PLAN
109	FWLE_SR99_AX006	KENT/DES MOINES SR 99 EAST STATION OPTION - SECTIONS

KENT/DES MOINES HC CAMPUS STATION OPTION			BREVIATIONS	EXISTING FEATURES
110	SR99-F00-GX02	SHEET INDEX KEYMAP	BEGIN POINT	— — — CITY LIMITS
111	SR99-F1-PP03	TRACK PLAN AND PROFILE STA 20+00 TO STA 45+00	CENTER	— — — LOT LINE
112	SR99-F2-PP04	TRACK PLAN AND PROFILE STA 45+00 TO STA 71+00	CENTERLINE	— — — G — — — G — GAS
113	SR99-F3-PP05	TRACK PLAN AND PROFILE STA 71+00 TO STA 97+00	CURVE TO SPIRAL	— — — OE — — — OE — OVERHEAD ELECTRICAL
114	SR99-F4-PP06	TRACK PLAN AND PROFILE STA 97+00 TO STA 122+00	D	— — — E — — — E — UNDERGROUND ELECTRICAL
115	SR99-F5-PP07	TRACK PLAN AND PROFILE STA 122+00 TO STA 134+88.36	CTR	— — — WETLAND
116	FWLE_S99_AP004	KENT/DES MOINES HC CAMPUS STATION OPTION - SITE PLAN	CL	— — — STREAM
117	FWLE_S99_AX004	KENT/DES MOINES HC CAMPUS STATION OPTION - SECTIONS	CS	— — — TRACK CENTERLINE
KENT/DES MOINES HC CAMPUS STATION OPTION FROM S. 216TH WEST STATION OPTION			EXISTING	— — — EXISTING GROUND (PROFILE)
118	SR99-F00-GX02	SHEET INDEX KEY MAP	DWG	— — — 250 — — — CONTOUR LINE
119	SR99-F6-PP01	TRACK PLAN AND PROFILE STA 15+00 TO STA 30+00	E	
120	SR99-F7-PP02	TRACK PLAN AND PROFILE STA 30+00 TO STA 56+00	E	
121	SR99-F8-PP03	TRACK PLAN AND PROFILE STA 56+00 TO STA 82+00	EL	
122	SR99-F9-PP04	TRACK PLAN AND PROFILE STA 82+00 TO STA 108+00	EP	
123	SR99-F10-PP05	TRACK PLAN AND PROFILE STA 108+00 TO STA 121+52.74	EX	
S 260TH WEST STATION OPTION (POTENTIAL ADDITIONAL STATION)			F	
124	SR99-G00-GX02	SHEET INDEX KEYMAP	FWTC	
125	SR99-G1-PP05	TRACK PLAN AND PROFILE STA 20+00 TO STA 23+00	G	
126	SR99-G2-PP06	TRACK PLAN AND PROFILE STA 23+00 TO STA 49+00	G	
127	SR99-G3-PP07	TRACK PLAN AND PROFILE STA 49+00 TO STA 75+00	H	
128	SR99-G4-PP08	TRACK PLAN AND PROFILE STA 75+00 TO STA 101+00	HC	
129	SR99-G5-PP09	TRACK PLAN AND PROFILE STA 101+00 TO STA 111+87.66	HORZ	
130	FWLE_S99_AP013	S 260TH WEST STATION OPTION - SITE PLAN	K	
131	FWLE_S99_AX013	S 260TH WEST STATION OPTION - SECTIONS	KC	
S 260TH EAST STATION OPTION (POTENTIAL ADDITIONAL STATION)			KCM	
132	SR99-H00-GX02	SHEET INDEX KEYMAP	Kv	
133	SR99-H1-PP07	TRACK PLAN AND PROFILE STA 20+00 TO STA 23+00	M	
134	SR99-H2-PP08	TRACK PLAN AND PROFILE STA 23+00 TO STA 49+00	MPH	
135	SR99-H3-PP09	TRACK PLAN AND PROFILE STA 49+00 TO STA 75+00	N	
136	SR99-H4-PP10	TRACK PLAN AND PROFILE STA 75+00 TO STA 80+98.42	N	
137	FWLE_S99_AP012	S 260TH EAST STATION OPTION - SITE PLAN	NB	
138	FWLE_S99_AX012	S 260TH EAST STATION OPTION - SECTIONS	O	
I - NOT USED			P	
S 272ND REDONDO TRENCH STATION OPTION			POINT OF CURVATURE	
139	SR99-J00-GX02	SHEET INDEX KEYMAP	PL	
140	SR99-J1-PP08	TRACK PLAN AND PROFILE STA 20+00 TO STA 31+00	PS	
141	SR99-J2-PP09	TRACK PLAN AND PROFILE STA 31+00 TO STA 57+00	PT	
142	SR99-J3-PP10	TRACK PLAN AND PROFILE STA 57+00 TO STA 83+00	PVC	
143	SR99-J4-PP11	TRACK PLAN AND PROFILE STA 83+00 TO STA 109+00	PVT	
144	SR99-J5-PP12	TRACK PLAN AND PROFILE STA 109+00 TO STA 136+00	R	
145	SR99-J6-PP13	TRACK PLAN AND PROFILE STA 136+00 TO STA 161+00	R	
146	SR99-J7-PP14	TRACK PLAN AND PROFILE STA 161+00 TO STA 174+00,00	RD	
147	FWLE_S99_AP002	S 272ND REDONDO TRENCH STATION OPTION - SITE PLAN	ROW	
148	FWLE_S99_AX002	S 272ND REDONDO TRENCH STATION OPTION - SECTIONS	S	
FEDERAL WAY SR 99 STATION OPTION			S	
149	SR99-K00-GX02	SHEET INDEX KEYMAP	SC	
150	SR99-K1-PP15	TRACK PLAN AND PROFILE STA 20+00 TO STA 44+00	SF	
151	SR99-K2-PP16	TRACK PLAN AND PROFILE STA 44+00 TO STA 51+23.50	SR	
152	FWLE_S99_AP008	FEDERAL WAY SR 99 STATION OPTION - SITE PLAN	ST	
153	FWLE_S99_AX008	FEDERAL WAY SR 99 STATION OPTION - SECTIONS	STA	
TPSS			TPSS	
TS			TS	
TYP			TYP	
V			V	
VELOCITY			V	
PROPOSED FEATURES				
PROPOSED/EXISTING WSDOT ROW				
CONSTRUCTION FOOTPRINT				
GUIDEWAY CENTERLINE				
CURB AND SIDEWALK				
BOTTOM OF STRUCTURE (PROFILE)				
TOP OF RAIL (PROFILE)				
FILL RETAINING WALL				
CUT RETAINING WALL				
STATION PLATFORM				
AT-GRADE /TRENCH (BALLASTED) TRACK				
ELEVATED GUIDEWAY				
COLUMNS / STRADDLE BENTS				
LONG SPAN COLUMNS				
ABUTMENT WALL				
TPSS BUILDING				
NEW SIGNAL				

SOUND TRANSIT FEDERAL WAY LINK EXTENSION



	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
A - SR 99 ALTERNATIVE	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
B - S 216TH WEST STATION OPTION (POTENTIAL ADDITIONAL STATION)	X	X	X													
C - S 216TH EAST STATION OPTION (POTENTIAL ADDITIONAL STATION)		X	X													
D - KENT/DES MOINES SR 99 MEDIAN STATION OPTION				X	X	X										
E - KENT/DES MOINES SR 99 EAST STATION OPTION				X	X	X	X									
F - KENT/DES MOINES HC CAMPUS STATION OPTION			X	X	X	X	X									
F - KDM HC CAMPUS OPTION FROM S 216TH WEST STATION OPTION					X	X	X	X	X	X						
G - S 260TH WEST STATION OPTION (POTENTIAL ADDITIONAL STATION)					X	X	X	X	X							
H - S 260TH EAST STATION OPTION (POTENTIAL ADDITIONAL STATION)							X	X	X	X						
J - S 272ND REDONDO TRENCH STATION OPTION								X	X	X	X	X	X	X		
K - FEDERAL WAY SR 99 STATION OPTION															X	X

I - NOT USED

1500' 0' 1500' 3000'
SCALE HORZ IN FEET



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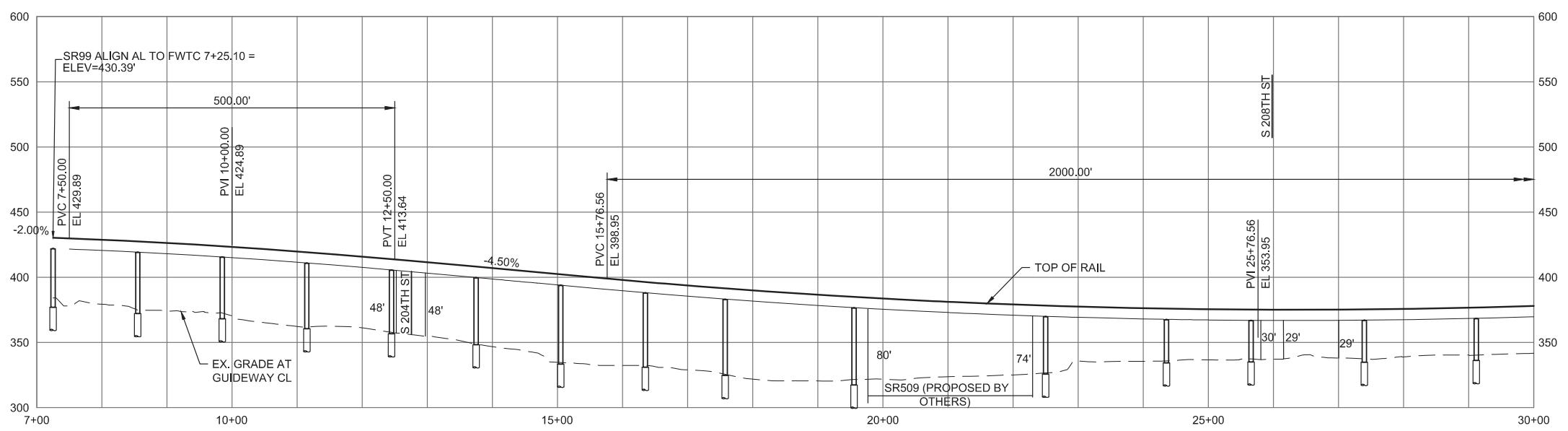
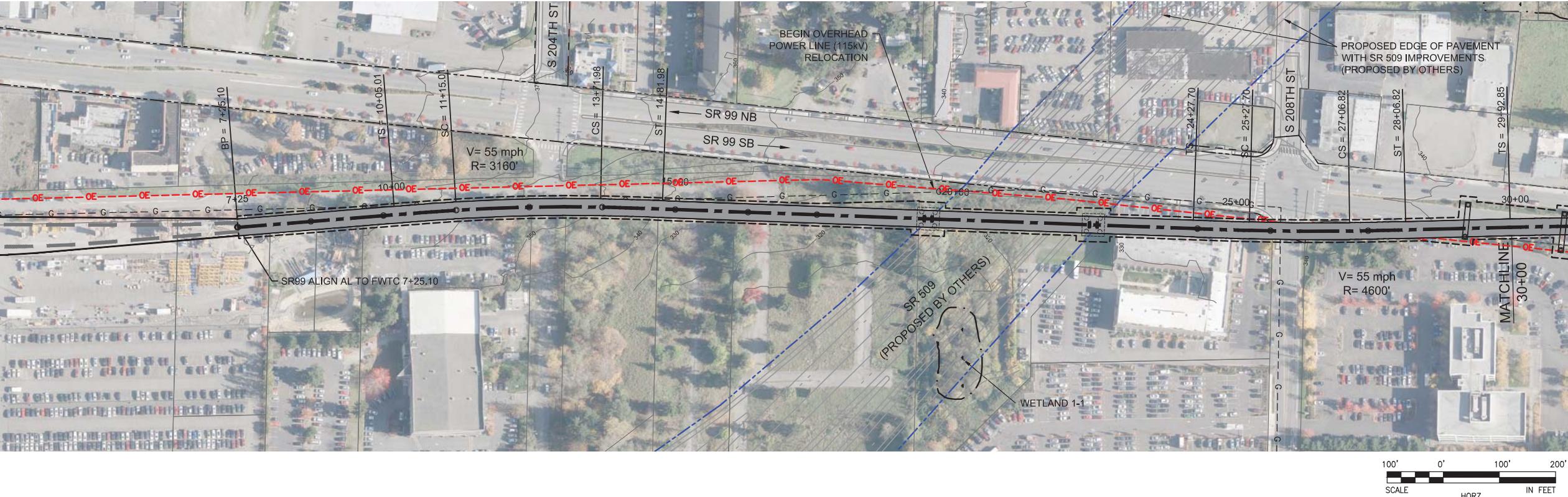


FINAL EIS - CONCEPTUAL DESIGN
SR99 ALTERNATIVE
SHEET INDEX KEYMAP

AUGUST 2016

SR99-A00-GX02
63

SOUND TRANSIT FEDERAL WAY LINK EXTENSION



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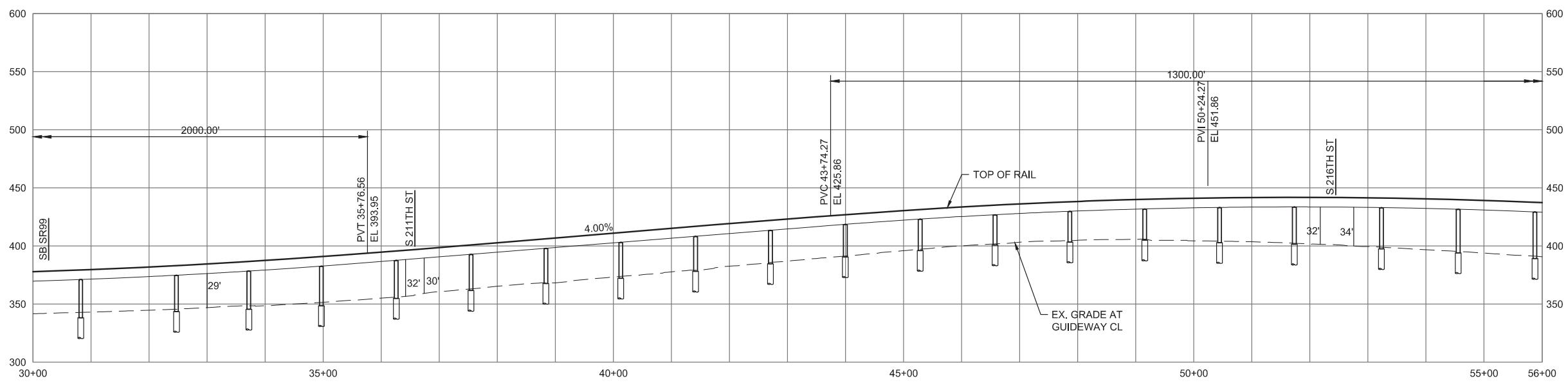
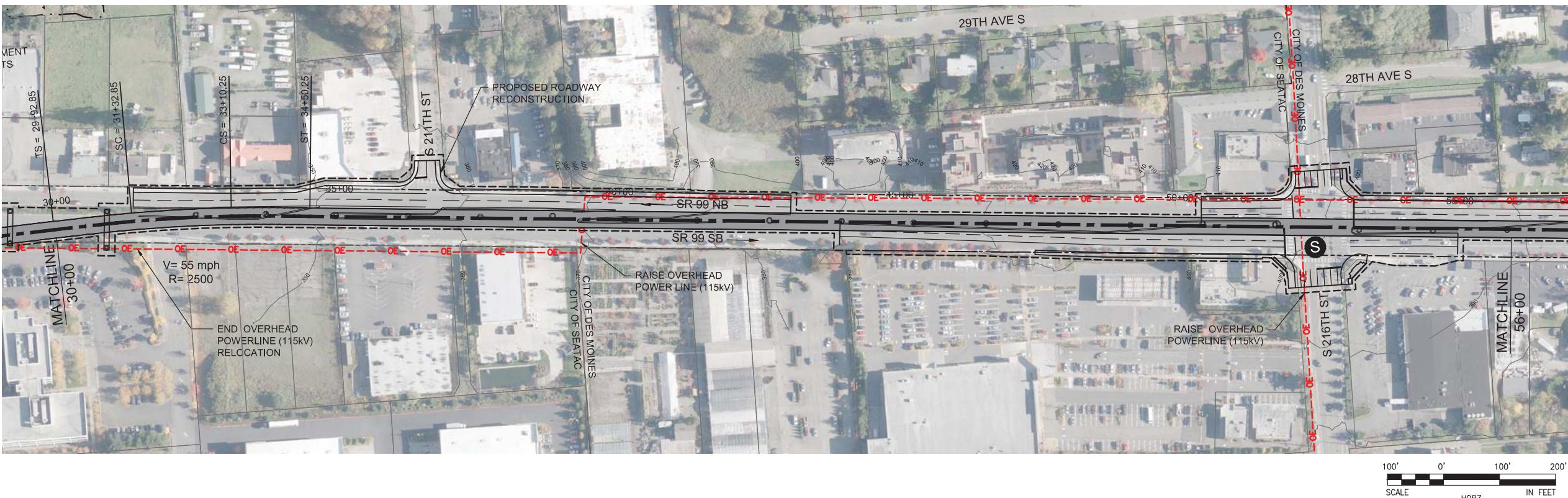


**FINAL EIS - CONCEPTUAL DESIGN
TRACK PLAN & PROFILE AND ROADWAY RECONSTRUCTION
SR 99 ALTERNATIVE
STA 7+25 TO STA 30+00**

AUGUST 2016

SR99-A1-PP01
64

SOUND TRANSIT FEDERAL WAY LINK EXTENSION



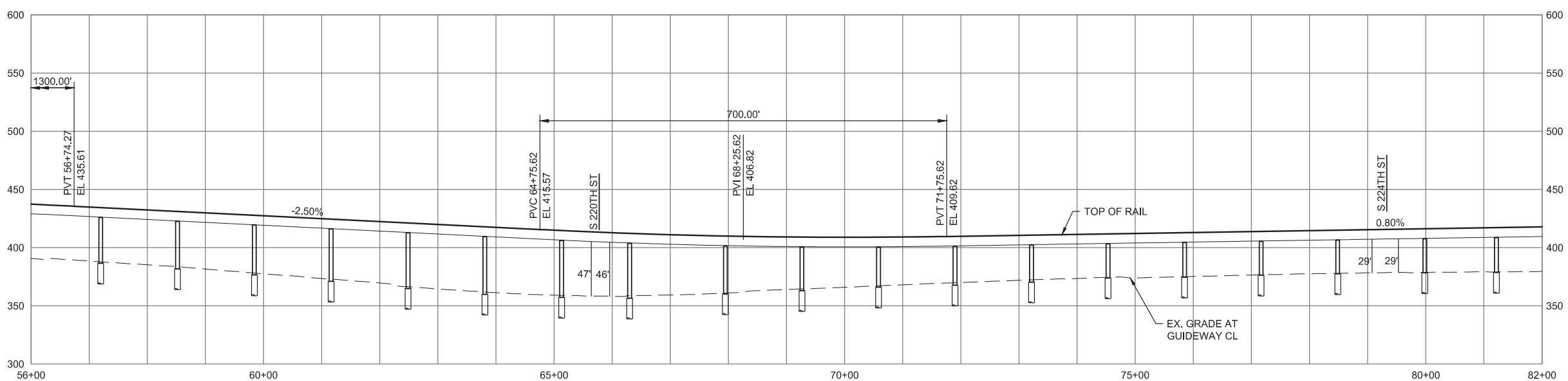
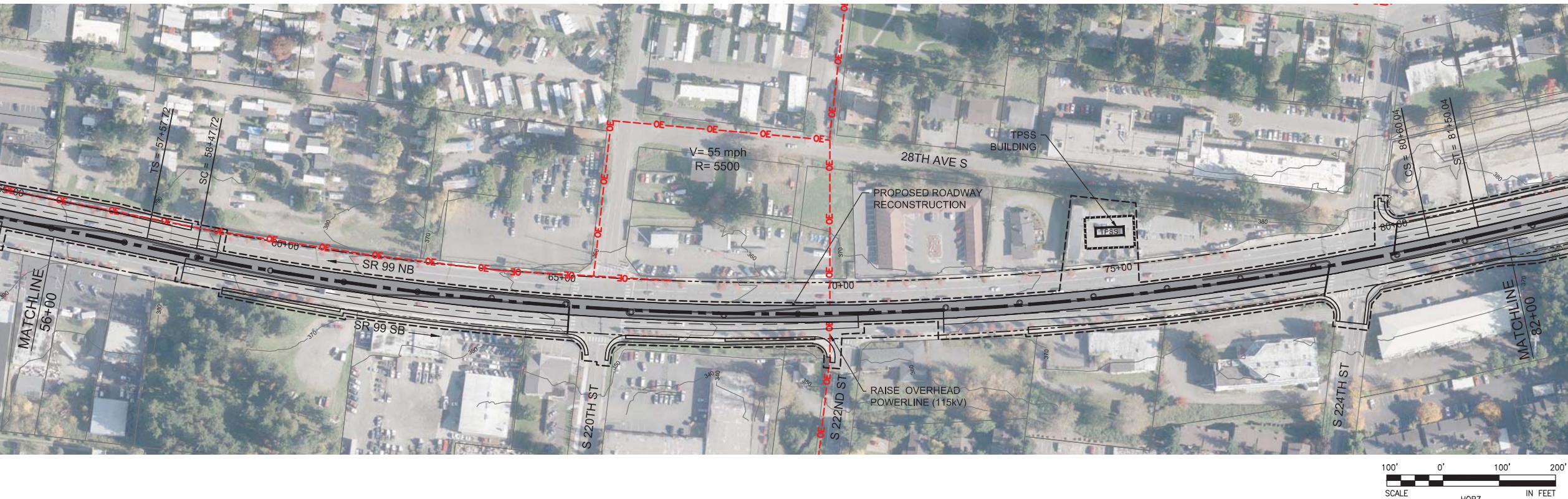
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FINAL EIS - CONCEPTUAL DESIGN
TRACK PLAN & PROFILE AND ROADWAY RECONSTRUCTION
SR 99 ALTERNATIVE
STA 30+00 TO STA 56+00

AUGUST 2016
SR99-A2-PP02
65

SOUND TRANSIT FEDERAL WAY LINK EXTENSION



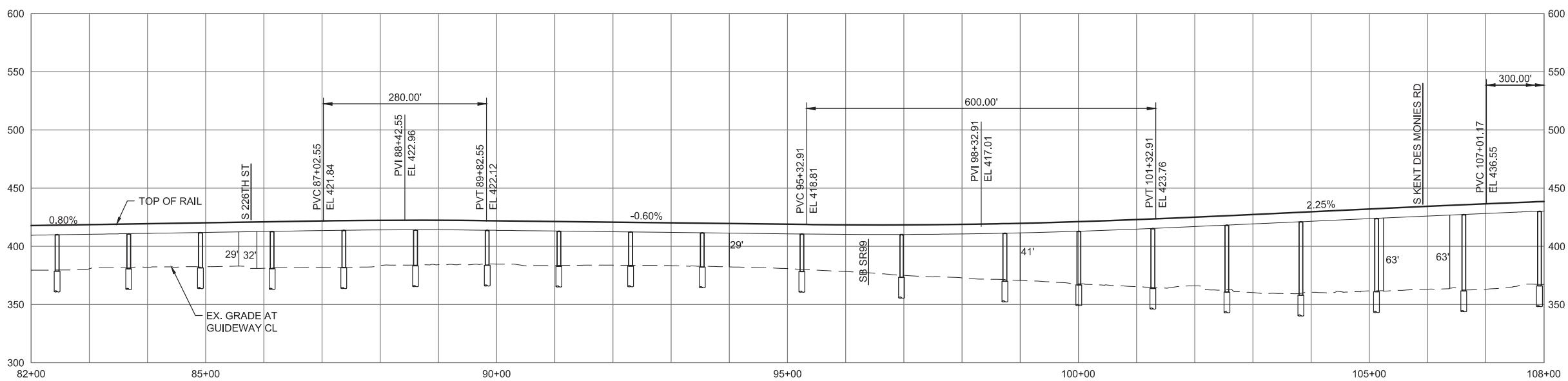
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FINAL EIS - CONCEPTUAL DESIGN
TRACK PLAN & PROFILE AND ROADWAY RECONSTRUCTION
SR 99 ALTERNATIVE
STA 56+00 TO STA 82+00

AUGUST 2016
SR99-A3-PP03
66

SOUND TRANSIT FEDERAL WAY LINK EXTENSION

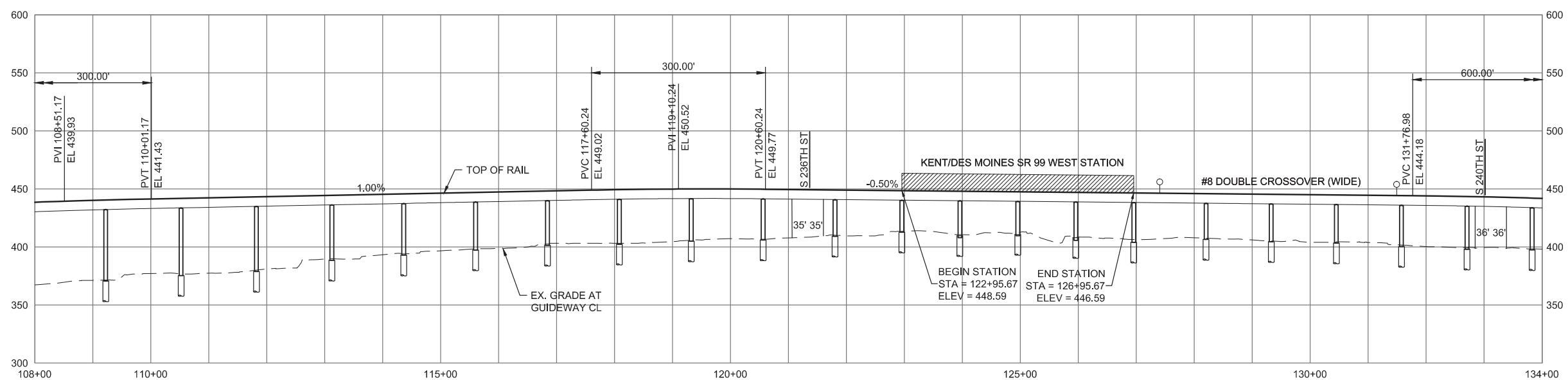
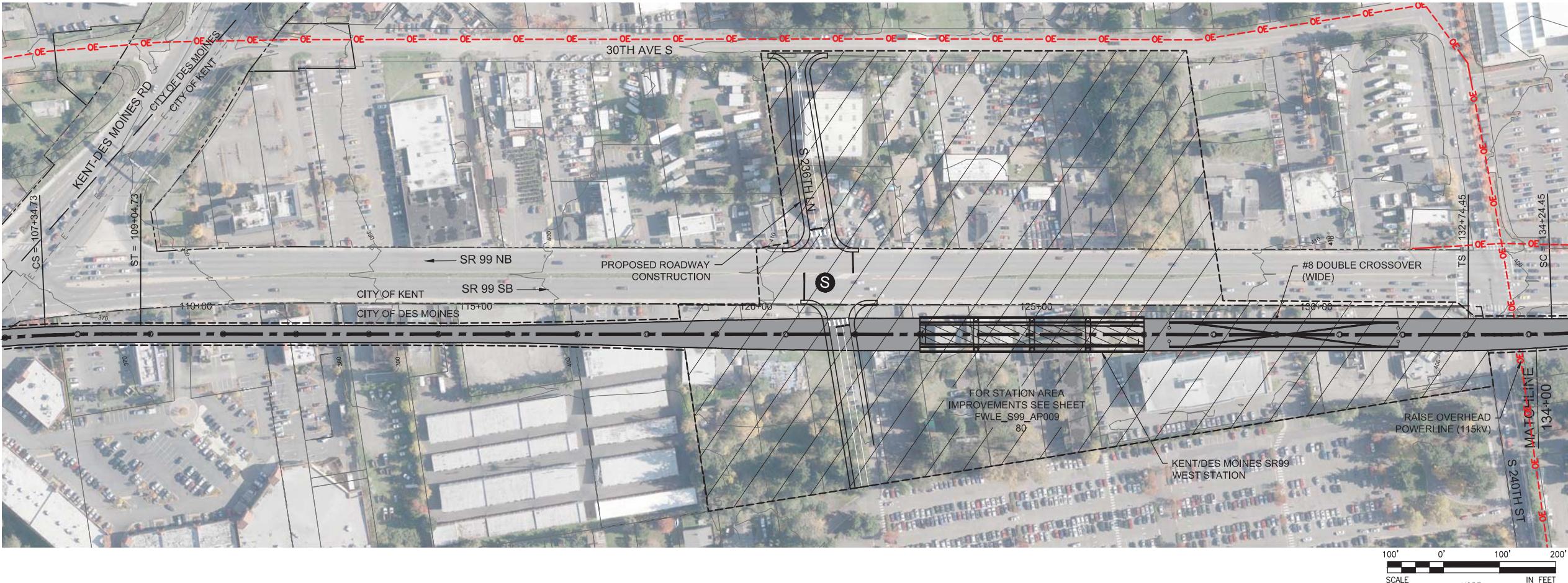


FINAL EIS - CONCEPTUAL DESIGN
TRACK PLAN & PROFILE AND ROADWAY RECONSTRUCTION
SR 99 ALTERNATIVE
STA 82+00 TO STA 108+00



AUGUST 2016
SR99-A4-PP04
67

SOUND TRANSIT FEDERAL WAY LINK EXTENSION



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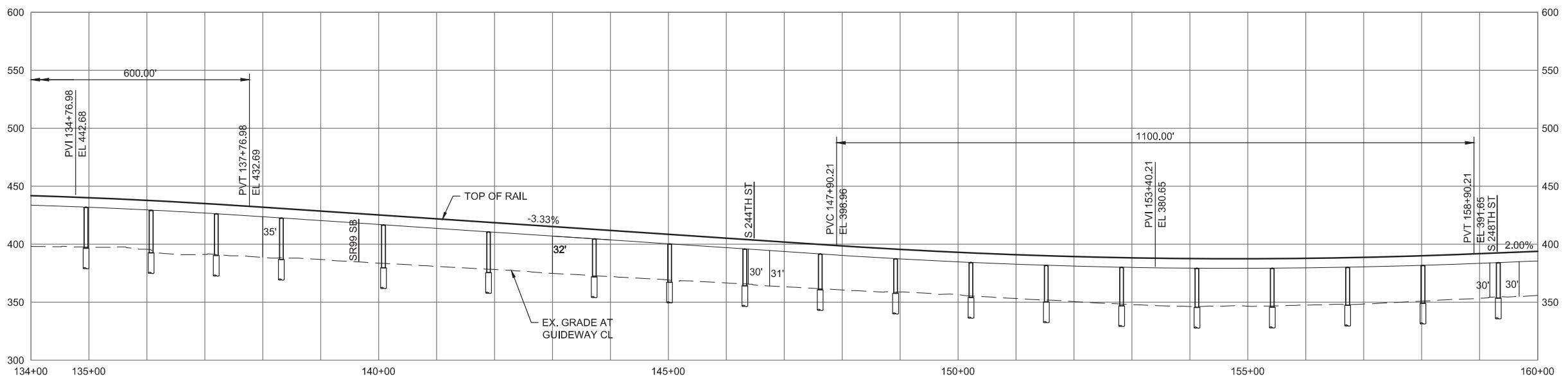


FINAL EIS - CONCEPTUAL DESIGN
TRACK PLAN & PROFILE AND ROADWAY RECONSTRUCTION
SR 99 ALTERNATIVE
STA 108+00 TO STA 134+00

AUGUST 2016

SR99-A5-PP05
68

SOUND TRANSIT FEDERAL WAY LINK EXTENSION



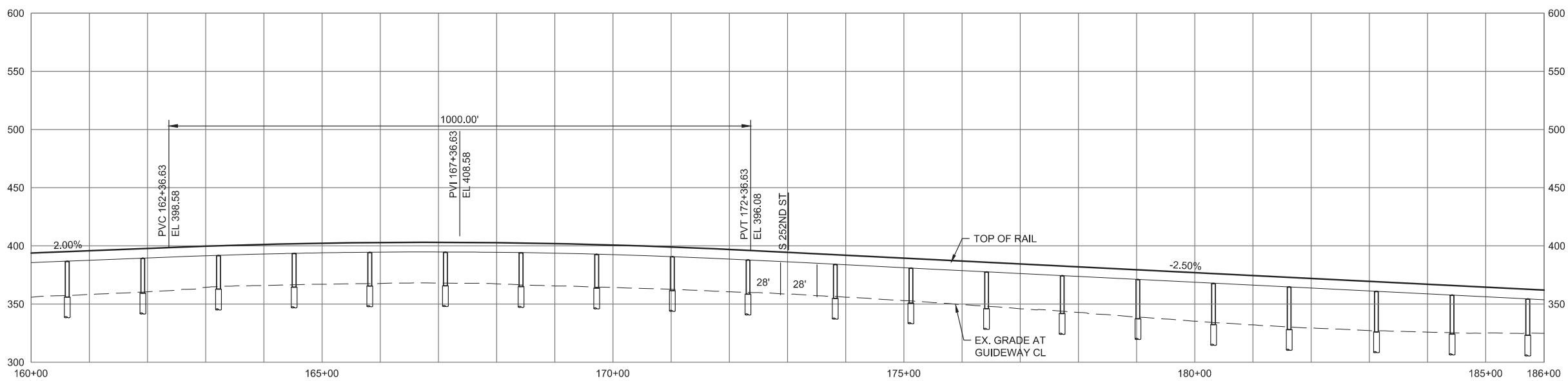
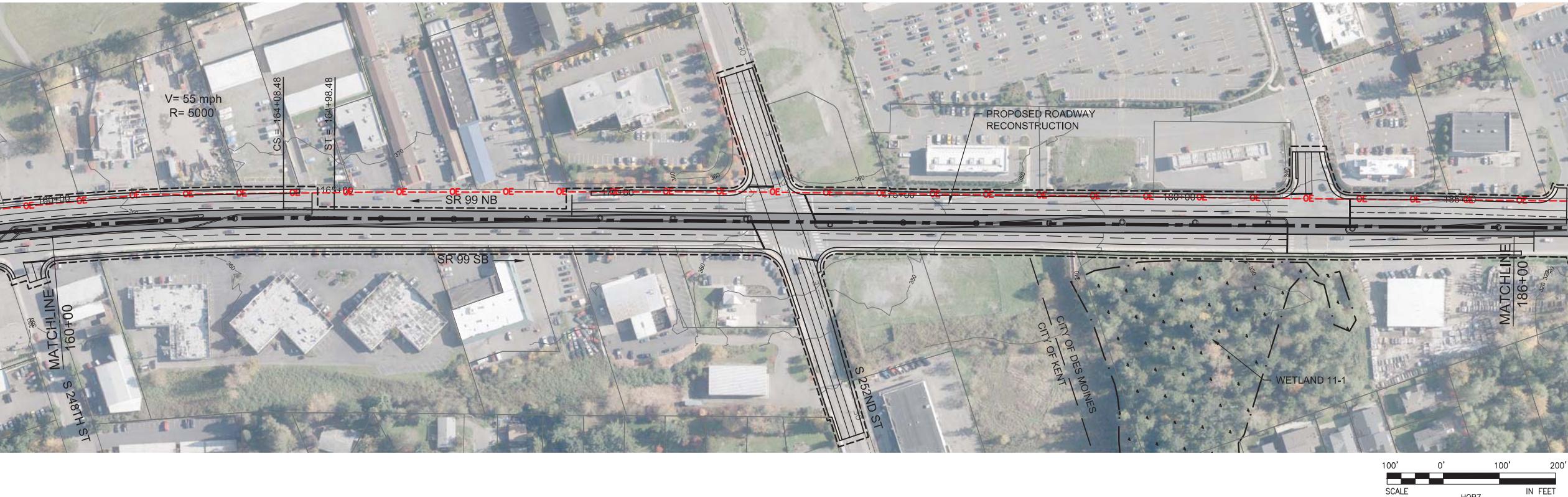
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FINAL EIS - CONCEPTUAL DESIGN
TRACK PLAN & PROFILE AND ROADWAY RECONSTRUCTION
SR 99 ALTERNATIVE
STA 134+00 TO STA 160+00

AUGUST 2016
SR99-A6-PP06
69

SOUND TRANSIT FEDERAL WAY LINK EXTENSION



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FINAL EIS - CONCEPTUAL DESIGN
TRACK PLAN & PROFILE AND ROADWAY RECONSTRUCTION
SR 99 ALTERNATIVE
STA 160+00 TO STA 186+00

AUGUST 2016
SR99-A7-PP07
70