Federal Way Link Extension

Draft Environmental Impact Statement

CONCEPTUAL DESIGN DRAWINGS

Appendix F



Central Puget Sound Regional Transit Authority



U.S. Department of Transportation Federal Transit Administration

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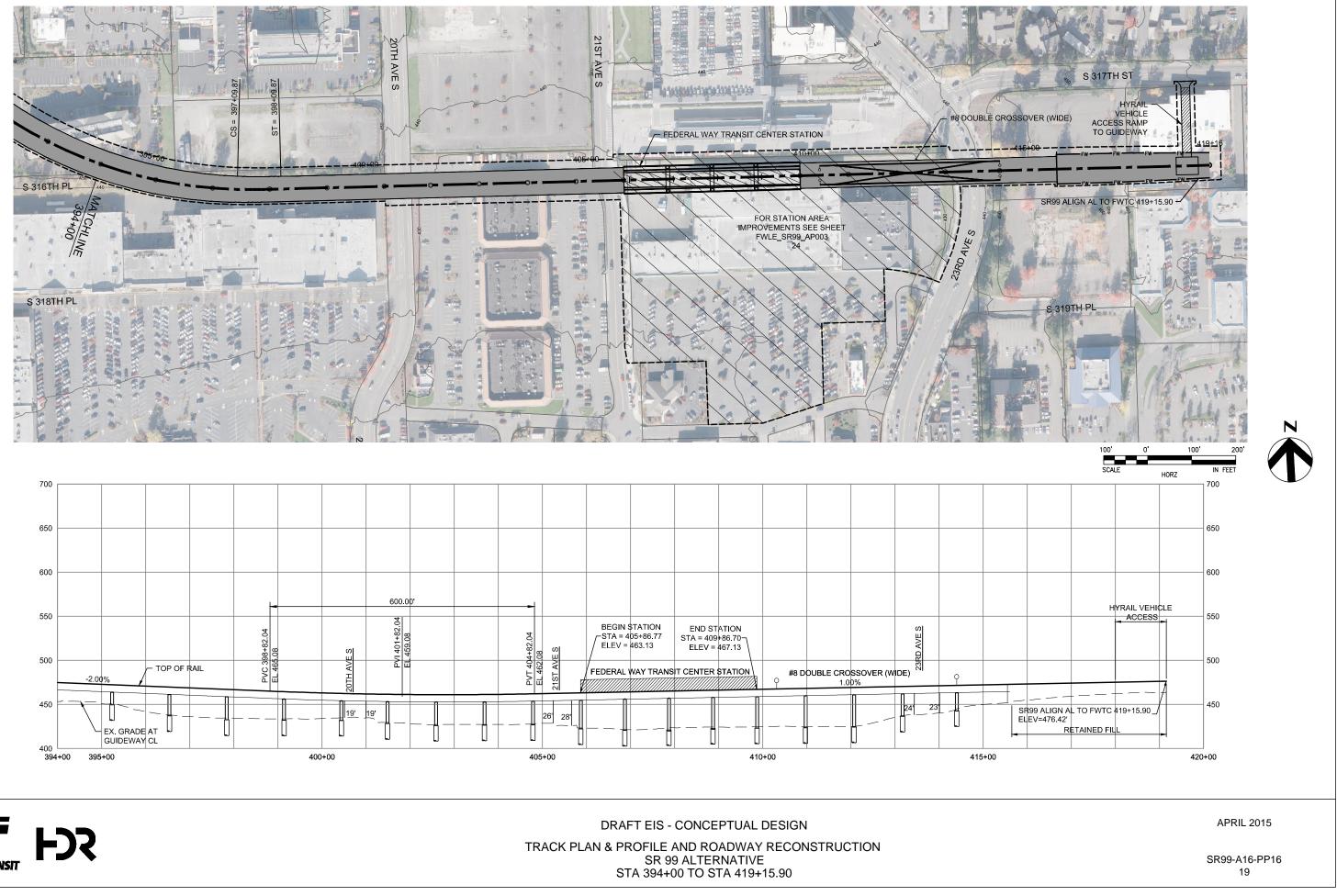
I-5 to SR 99 Alternative: pp. 152-160

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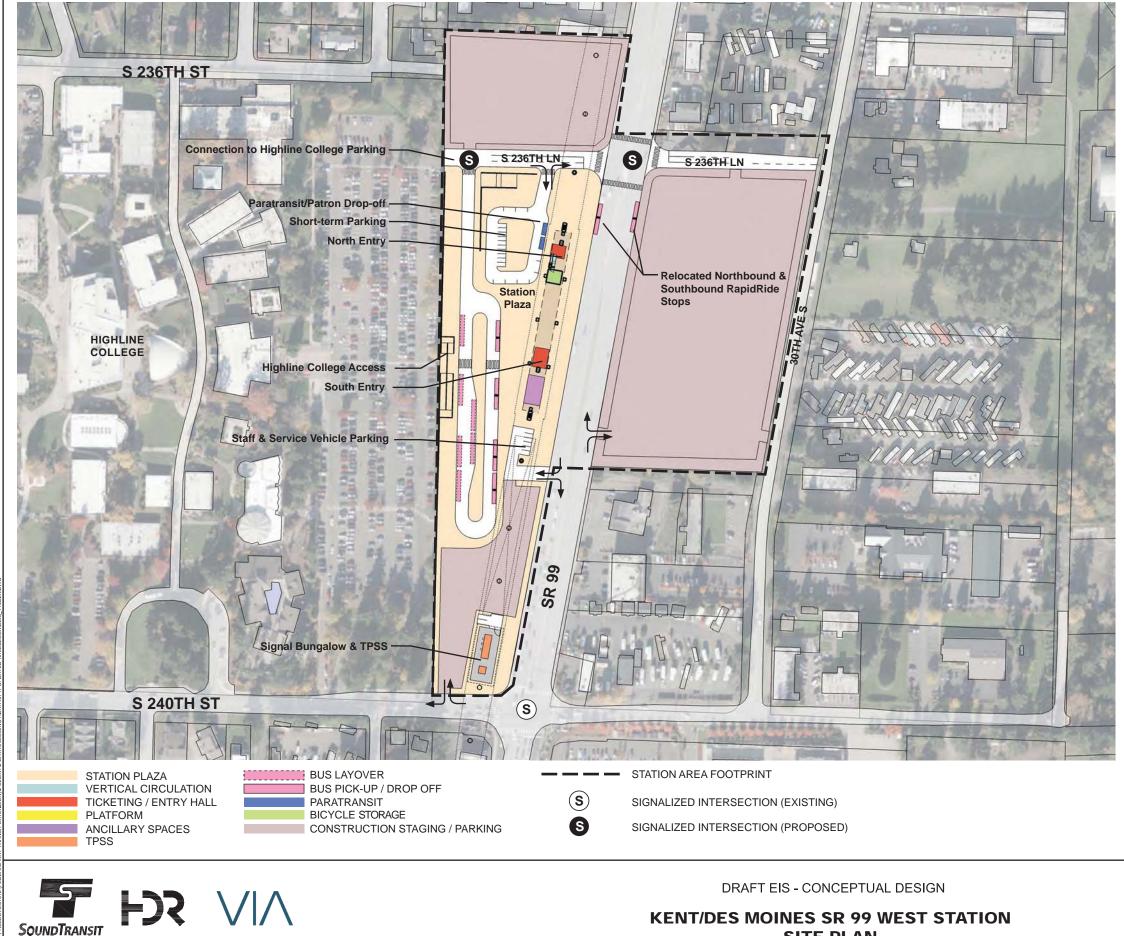
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DRAFT EIS - CONCEPTUAL DESIGN SR 99 ALTERNATIVE

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5 SoundTransit

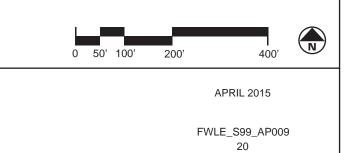


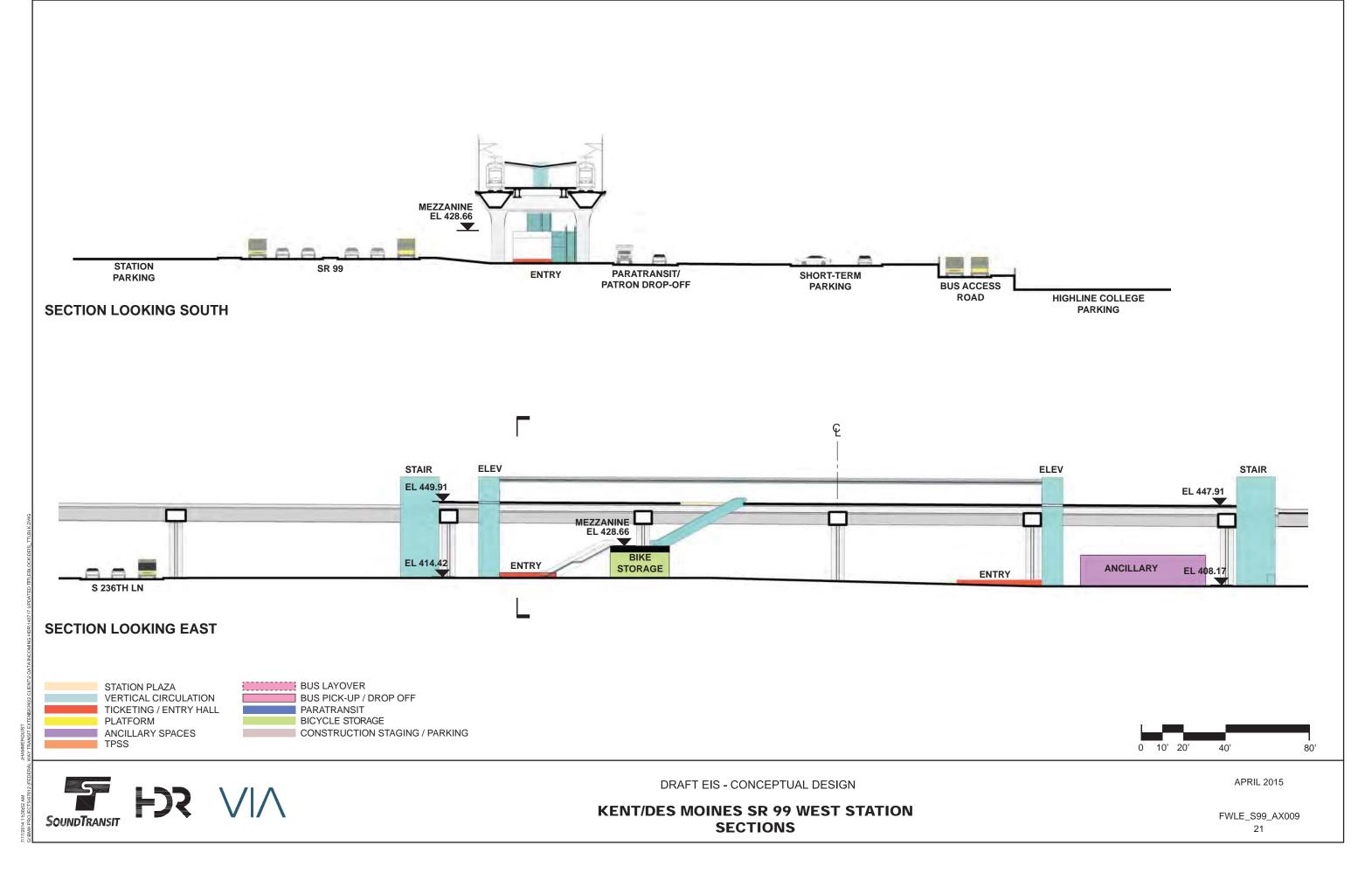
SITE PLAN

ASSUMPTIONS:

Kent/Des Moines SR 99 West Stat	ion
Alternative(s):	SR 99
Boardings	3,000
Boardings (with 216th Station)	2,500
Boardings (interim terminus)	4,500
5	
Station Configuration	
Terminus / In-Line	Interim Terminus
Station Type	Center Platform - Elevated
Platform Width	34'
Tail track	900'
Crossover	Yes
TPSS	Yes
Program	
KC Metro Ancillary Spaces (SF)	200
ST Ancillary Spaces (SF)	1,800
Total Ancillary Spaces (SF)	2,000
Vertical Circulation	
# of entrances	2
# of escalators	2
# of staircases (patron)	2
# of elevators	2
# of emergency stairs	2
# Of efficiency stalls	ζ
Bus/Paratransit Facilities	
Bus pick-up/drop-off (KCM)	2 bays, one 60' coach each
Bus pick-up/drop-off (ST)	1 bay, two 60' coaches
Rapid Ride	On-street at SR 99
Bus layover (KCM)	2 bays, two 60' coaches each
Bus layover (ST)	1 bay, two 60' coaches
Paratransit	1 permanent, 1 interim
Communications Facility	Tier 2
•	
Parking & Amenities	
Bike storage	900 SF
Patron drop-off	6 spaces
Short-term parking	7 to 10 spaces
Staff parking	4 spaces
Service/emer. vehicle park.	2 spaces, separate lot
Signal bungalow / TPSS park.	2 spaces, dedicated
Long-term patron parking	500 spaces (structure)
Temporary patron parking*	500 spaces (surface)
Total proposed patron parking*	1000 Spaces

*Only required for interim terminus condition







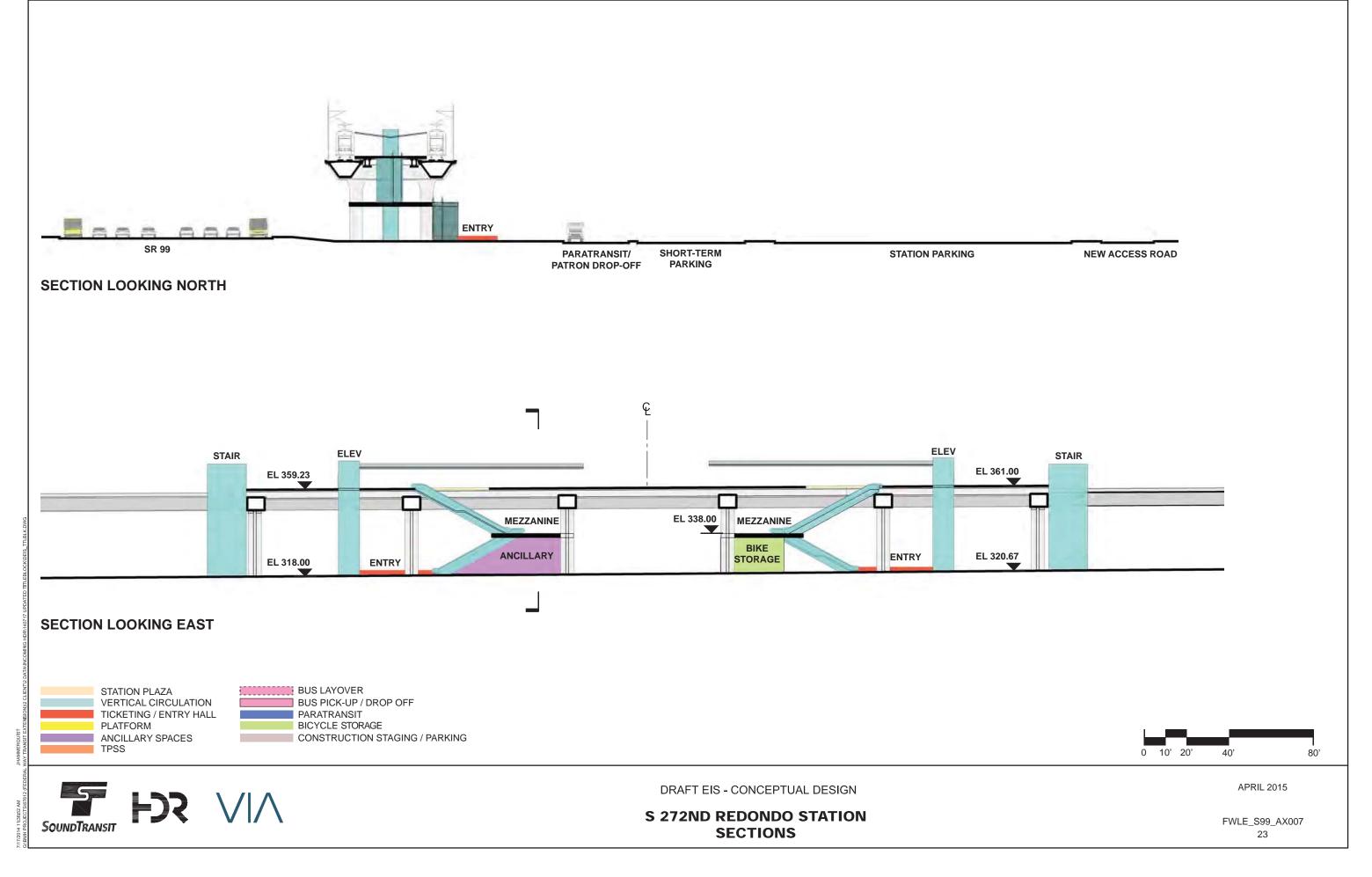
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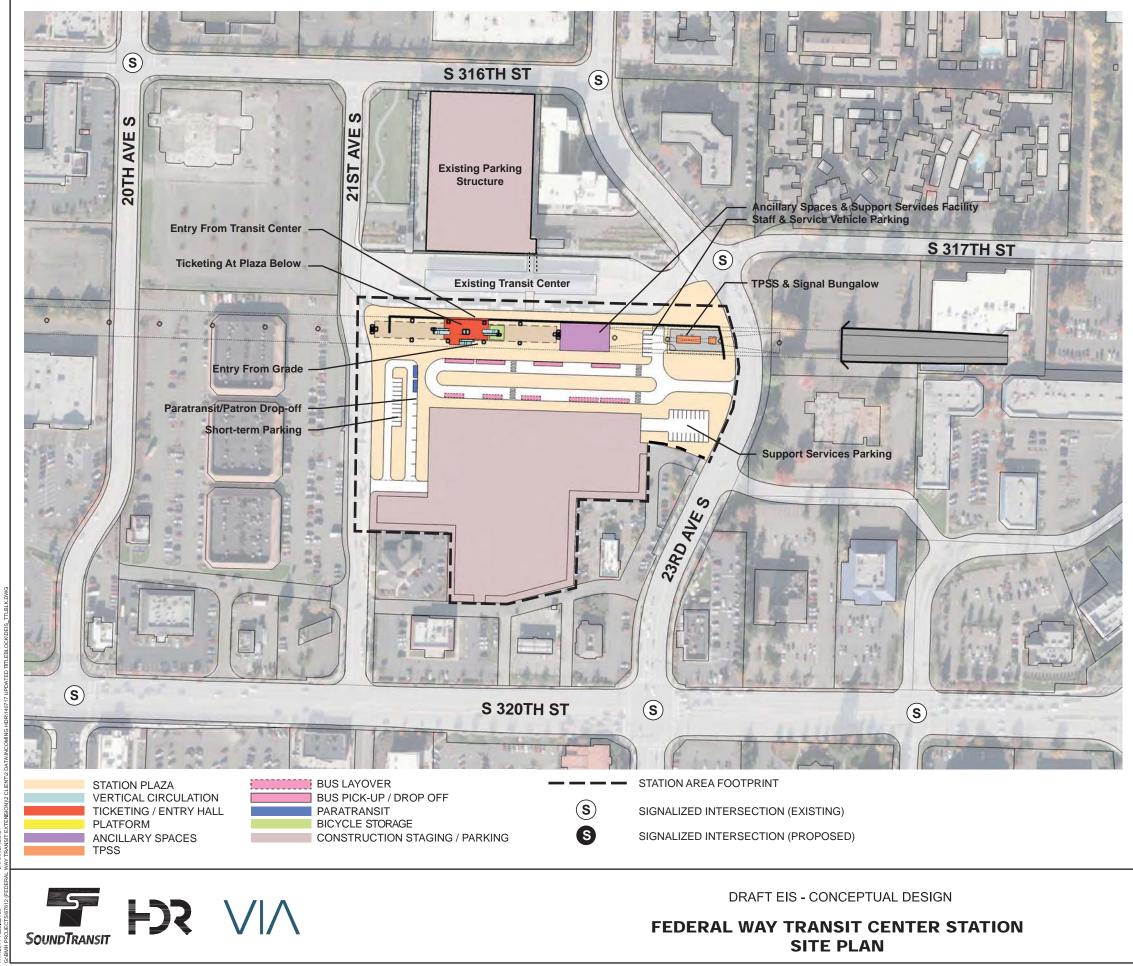
S 272nd Redondo Station	
Alternative(s)	SR 99
Boardings	1,500
Boardings (interim terminus)	3,500
Station Configuration	. .
Terminus / In-Line	Interim Terminus
Station Type	Center Platform - Elevated
Platform Width	34'
Tail track	900'
Crossover	Yes
TPSS	Yes
Program	
KC Metro Ancillary Spaces (SF)	200
ST Ancillary Spaces (SF)	1,800
Total Ancillary Spaces (SF)	2,000
Vertical Circulation	
# of entrances	2
# of escalators	4
# of staircases (patron)	4
# of elevators	2
# of emergency stairs	2
Bus/ Paratransit Facilities	
Bus bays (KCM)	2 bays, one 60' coach each
Bus bays (ST)	N/A
Rapid Ride	On-street at SR 99
Bus layover (KCM)	2 bays, one 60' coach each
Bus layover (ST)	N/A
Paratransit	1 permanent, 1 interim
Communications Facility	Tier 2
Darking & Amonitics	
Parking & Amenities	900 SF
Bike storage Patron drop-off	
•	6 spaces
Short-term patron parking	7 to 10 spaces
Staff parking	4 spaces
Service/emer. vehicle park.	2 spaces, separate lot
Signal bungalow / TPSS park.	2 spaces, dedicated
Existing patron parking	700 spaces
Additional patron parking	700 spaces
Total proposed patron parking	1400 spaces (structure)



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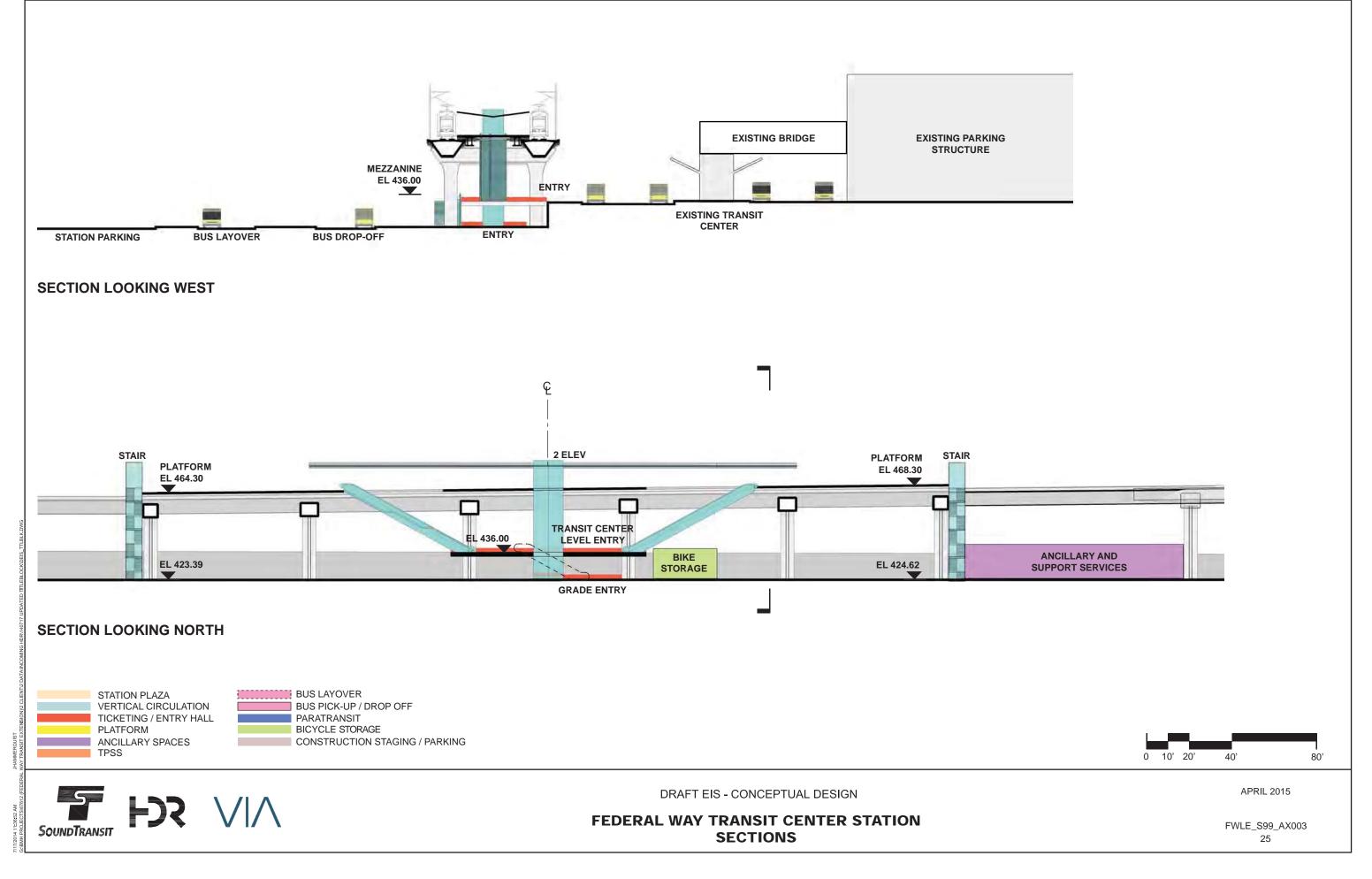
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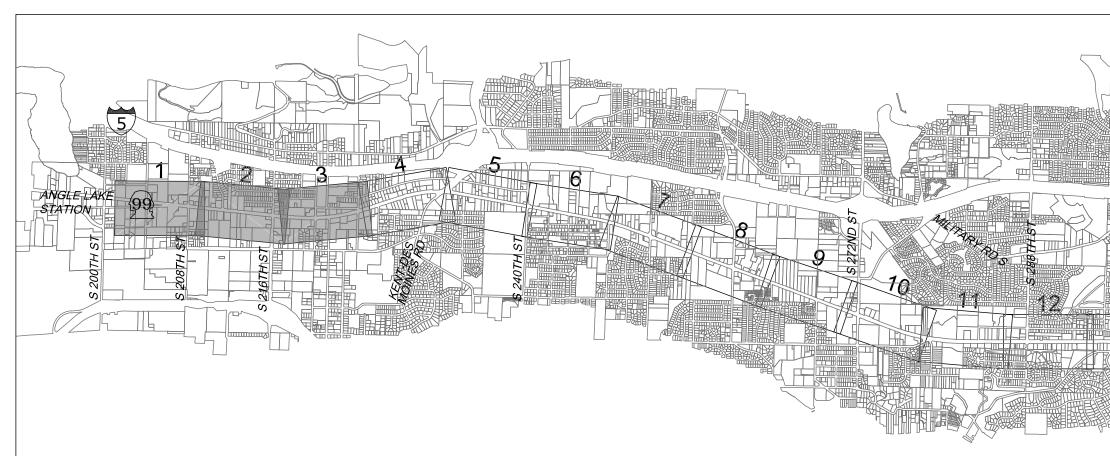
Federal Way Transit Center Station	
Alternative(s)	SR 99; I-5 to SR 99
Boardings	9,000
Station Configuration	
Terminus / In-Line	Terminus
Station Type	Center Platform - Elevated
Platform Width	34'
Tail track	900'
Crossover	Yes
TPSS	Yes
Program	
KC Metro Ancillary Spaces (SF)	200
ST Ancillary Spaces (SF)	1,800
Support Services (SF)	5,000
Total Ancillary Spaces (SF)	7,000
Vertical Circulation	
# of entrances	2
# of escalators	3
# of staircases (patron)	3
# of elevators	2
# of emergency stairs	2
" of efficiency starts	
Bus/ Paratransit Facilities	
Bus bays (KCM)	2 bays, one 60' coach each
Bus bays (ST)	1 bay, two 60' coaches
Rapid Ride	Transit Island (Existing)
Bus layover (KCM)	3 bays, one 40' coach each
	5 bays, one 60' coach each
	(relocated from transit ctr.)
Bus layover (ST)	1 bay, two 60' coaches
Paratransit spaces	2 spaces
Communications Facility	Tier 3
Parking & Amenities	
Bike storage	900 SF
Patron drop-off	6 spaces
Short-term patron parking	7 to 10 spaces
Staff parking	4 spaces
Support Services parking	15 spaces
Service/emer. vehicle park.	2 spaces, separate lot
Signal bungalow / TPSS park.	2 spaces, dedicated
Existing patron parking	1,190 spaces
Additional patron parking	400 spaces
Total proposed patron parking	1590 spaces (structure)



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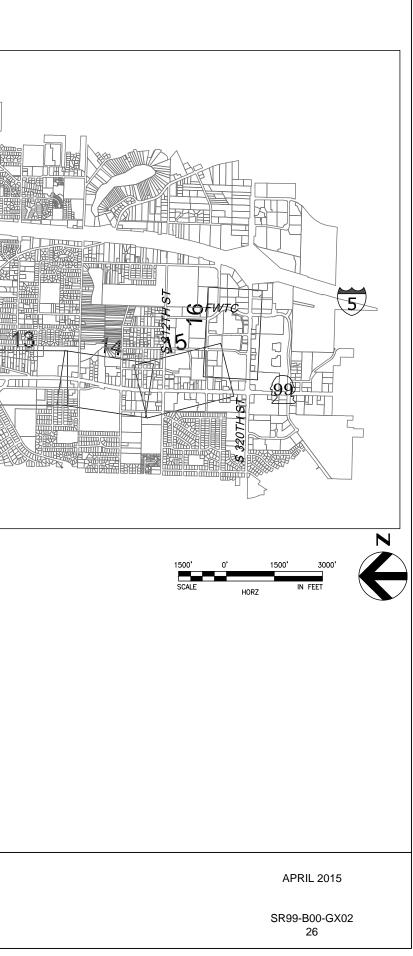


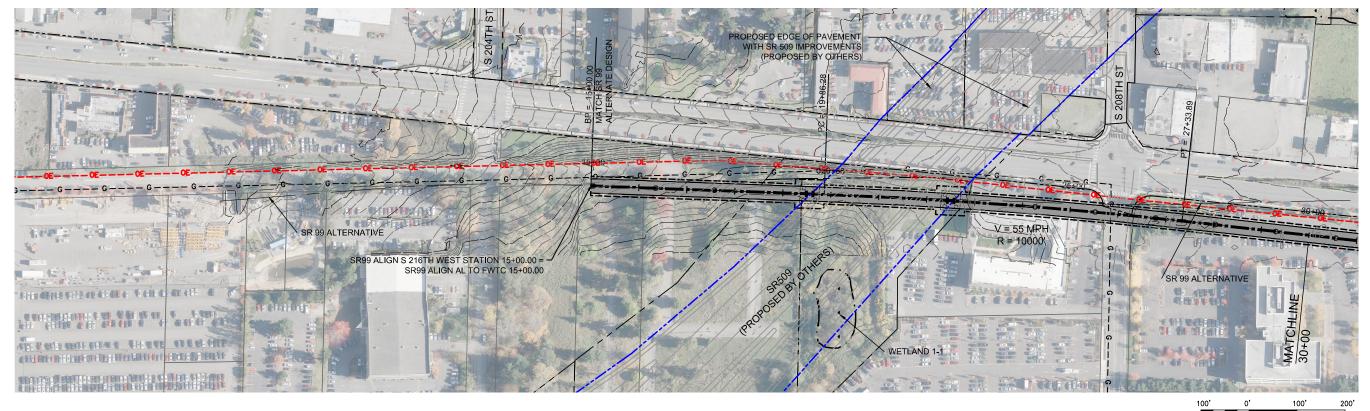
			SR99 SH	HEET LA	YOUT M	ATRIX										
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
A - SR 99 ALTERNATIVE	x	х	x	х	х	x	х	x	x	х	х	х	x	x	x	X
B - S 216TH WEST STATION OPTION (POTENTIAL ADDITIONAL STATION)	Х	· · · · · · · · X- · ·	X													
C - S 216TH EAST STATION OPTION (POTENTIAL ADDITIONAL STATION)		х	Х													
D - KENT/DES MOINES SR 99 MEDIAN STATION OPTION				Х	Х	х										
E - KENT/DES MOINES SR 99 EAST STATION OPTION				х	х	х	х									
F - KENT/DES MOINES HC CAMPUS STATION OPTION			x	х	х	х	х									
F - KDM HC CAMPUS OPTION FROM S 216TH WEST STATION OPTION						х	х	х	х	х						
G - S 260TH WEST STATION OPTION (POTENTIAL ADDITIONAL STATION)					Х	х	х	х	х							
H - S 260TH EAST STATION OPTION (POTENTIAL ADDITIONAL STATION)							Х	х	х	х						
J - S 272ND REDONDO TRENCH STATION OPTION								х	х	х	х	Х	х	х		
K - FEDERAL WAY SR 99 STATION OPTION															x	x

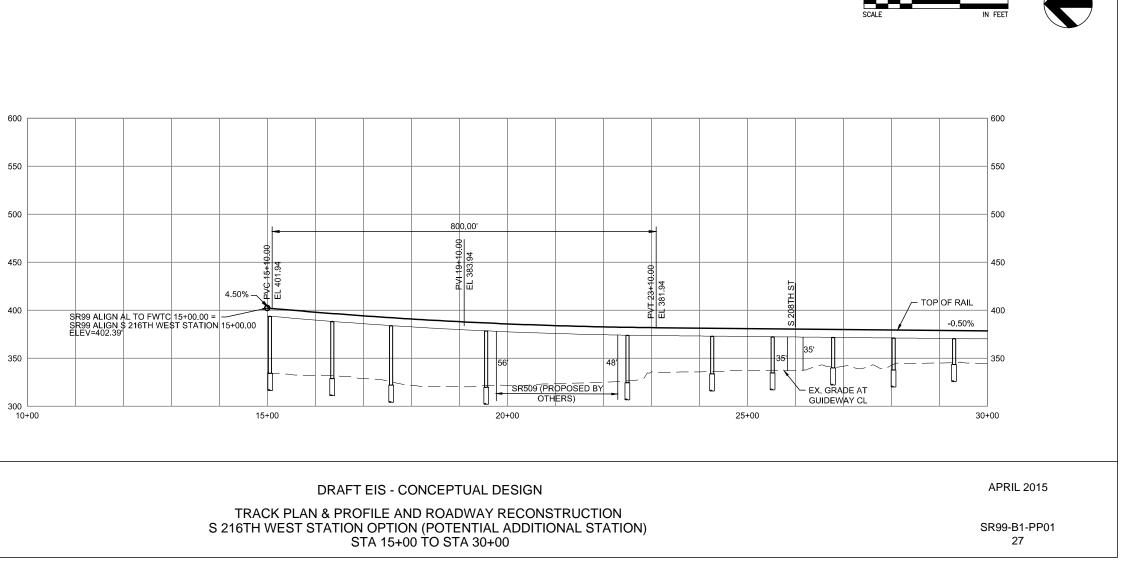
I - NOT USED



DRAFT EIS - CONCEPTUAL DESIGN S 216TH WEST STATION OPTION (POTENTIAL ADDITIONAL STATION) SHEET INDEX KEYMAP

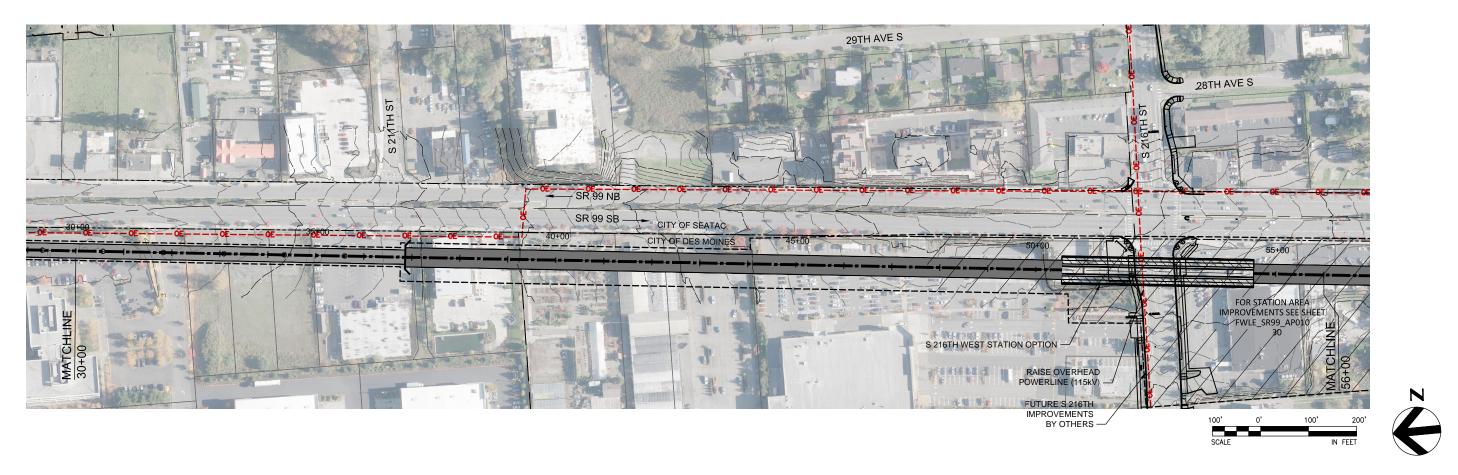


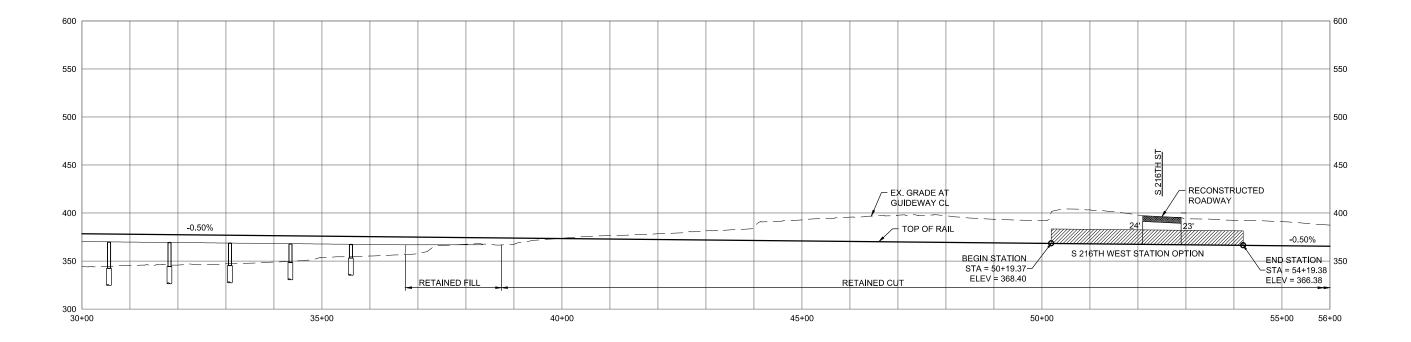












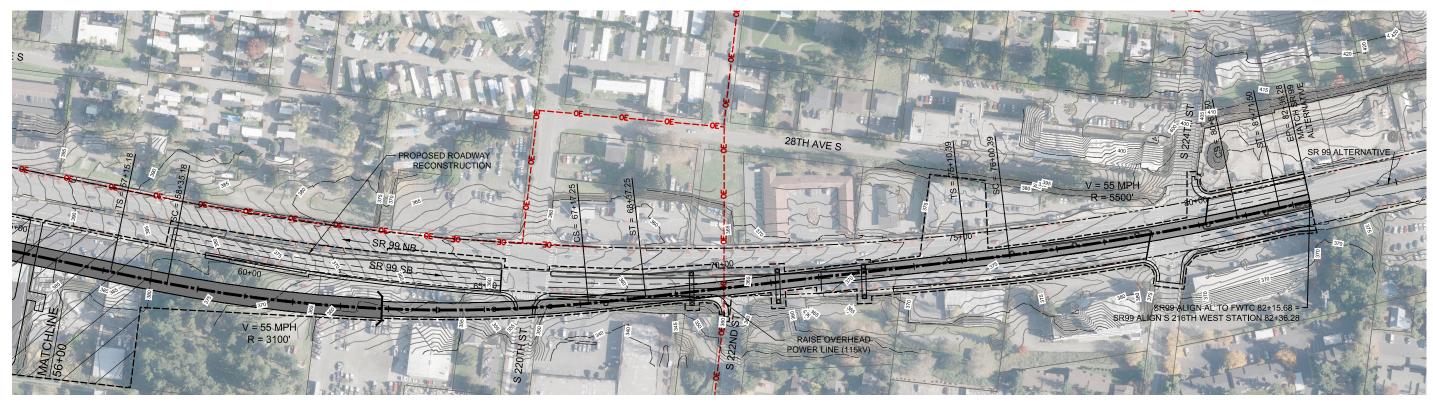
DRAFT EIS - CONCEPTUAL DESIGN

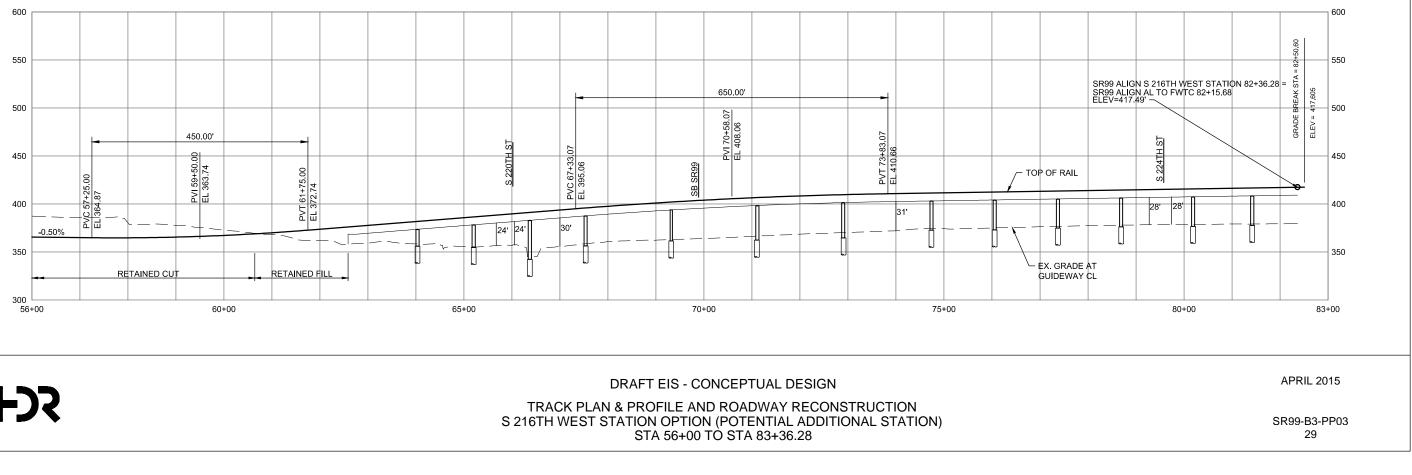
TRACK PLAN & PROFILE ROADWAY RECONSTRUCTION S 216TH WEST STATION OPTION (POTENTIAL ADDITIONAL STATION) STA 30+00 TO STA 56+00



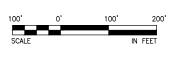
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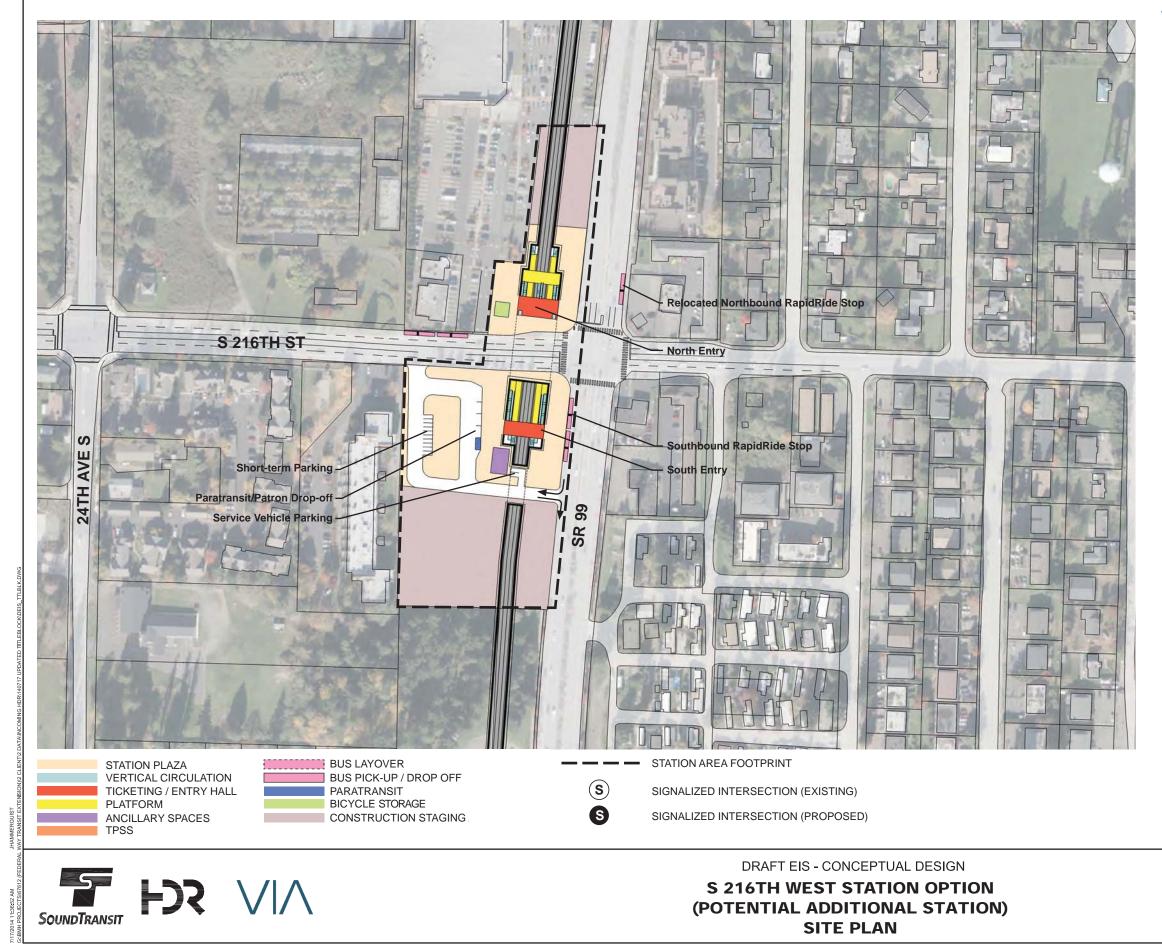




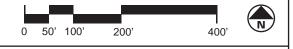
5 **FX SOUNDTRANSIT**





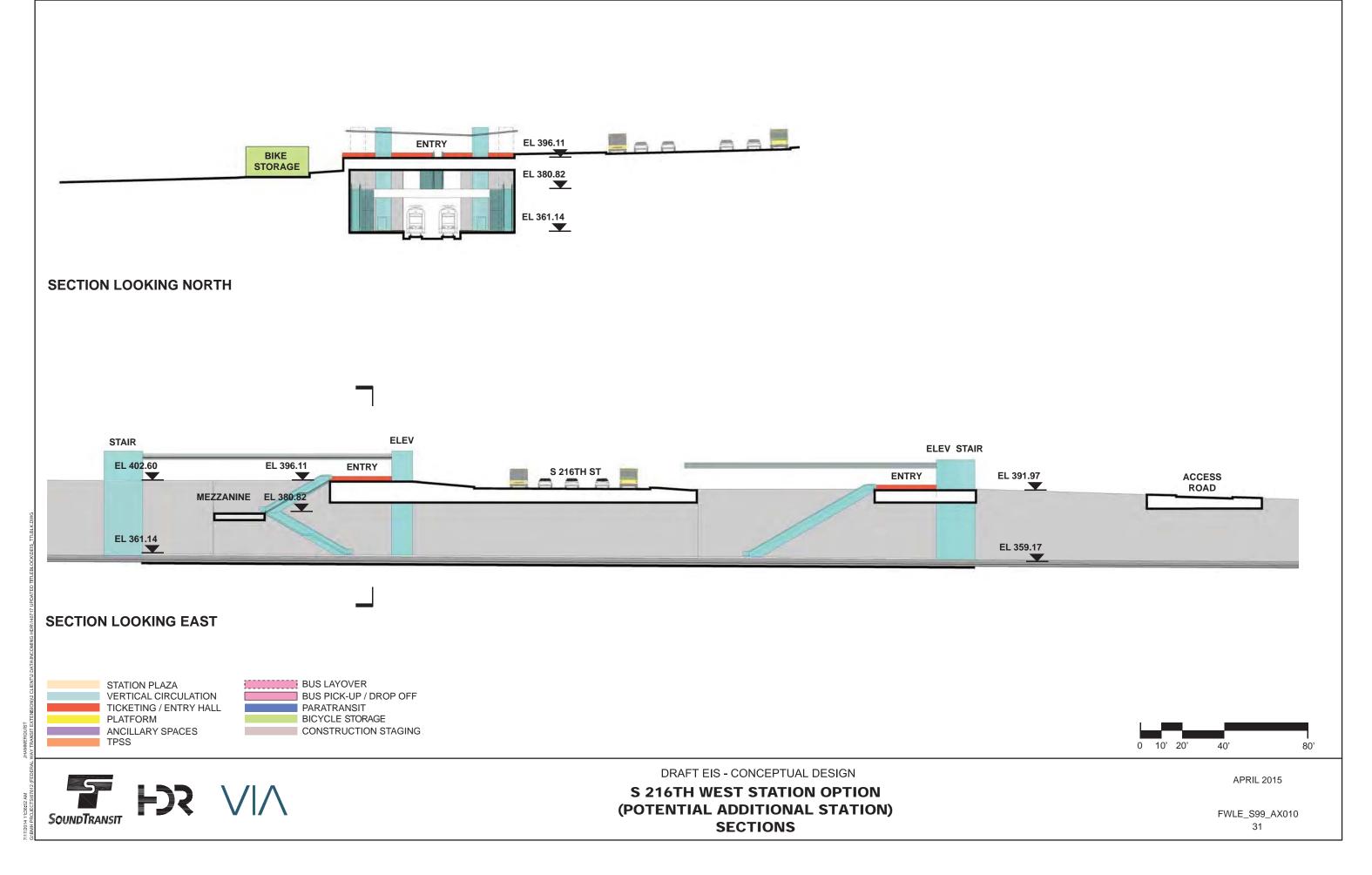


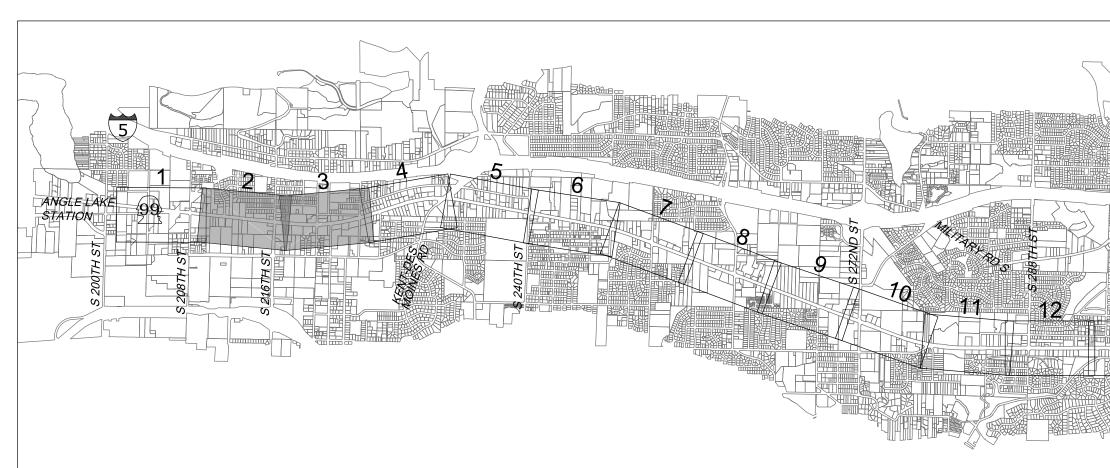
SR 99; SR 99 to I-5
1,000
In-Line
Side Platform - Trench
14'
N/A
No
No
N/A
1,200
1,200
2
5
5
4
4
1 bay southbound at SR 99, two 60
coaches;
1 bay westbound at S 216th, two
60' coaches
N/A
On-street at SR 99
N/A
N/A
1 space
Tier 2
900 SF
2 spaces
7 to 10 spaces
N/A
2 spaces, combined
N/A



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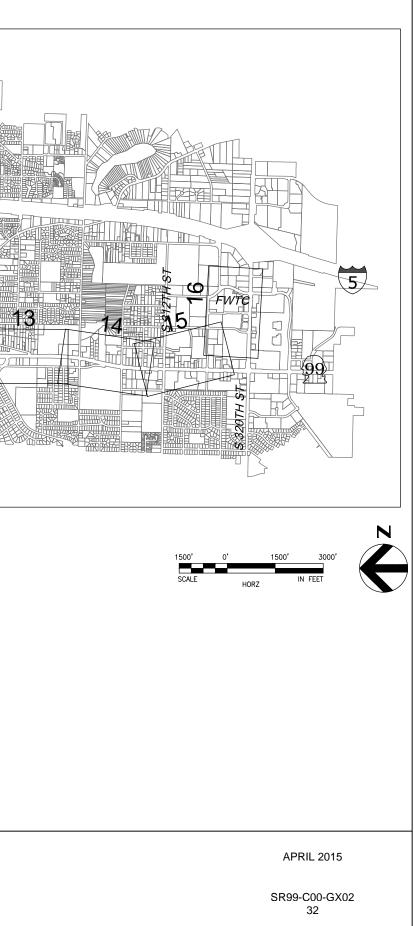


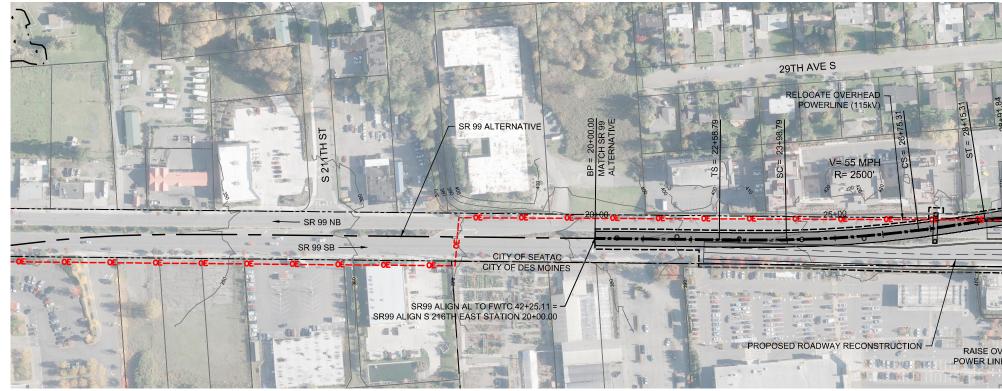
			SR99 SH	HEET LA	YOUT M	ATRIX										
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
A - SR 99 ALTERNATIVE	Х	x	x	х	x	х	x	x	x	x	x	x	x	x	х	x
B - S 216TH WEST STATION OPTION (POTENTIAL ADDITIONAL STATION)	х	x	x													
C - S 216TH EAST STATION OPTION (POTENTIAL ADDITIONAL STATION)		Х	X													
D - KENT/DES MOINES SR 99 MEDIAN STATION OPTION				х	х	х										
E - KENT/DES MOINES SR 99 EAST STATION OPTION				x	х	x	x									
F - KENT/DES MOINES HC CAMPUS STATION OPTION			x	х	х	х	x									
F - KDM HC CAMPUS OPTION FROM S 216TH WEST STATION OPTION						х	x	x	x	x						
G - S 260TH WEST STATION OPTION (POTENTIAL ADDITIONAL STATION)					х	х	x	x	x							
H - S 260TH EAST STATION OPTION (POTENTIAL ADDITIONAL STATION)							x	x	x	x						
J - S 272ND REDONDO TRENCH STATION OPTION								Х	х	х	х	Х	х	х		
K - FEDERAL WAY SR 99 STATION OPTION															x	x

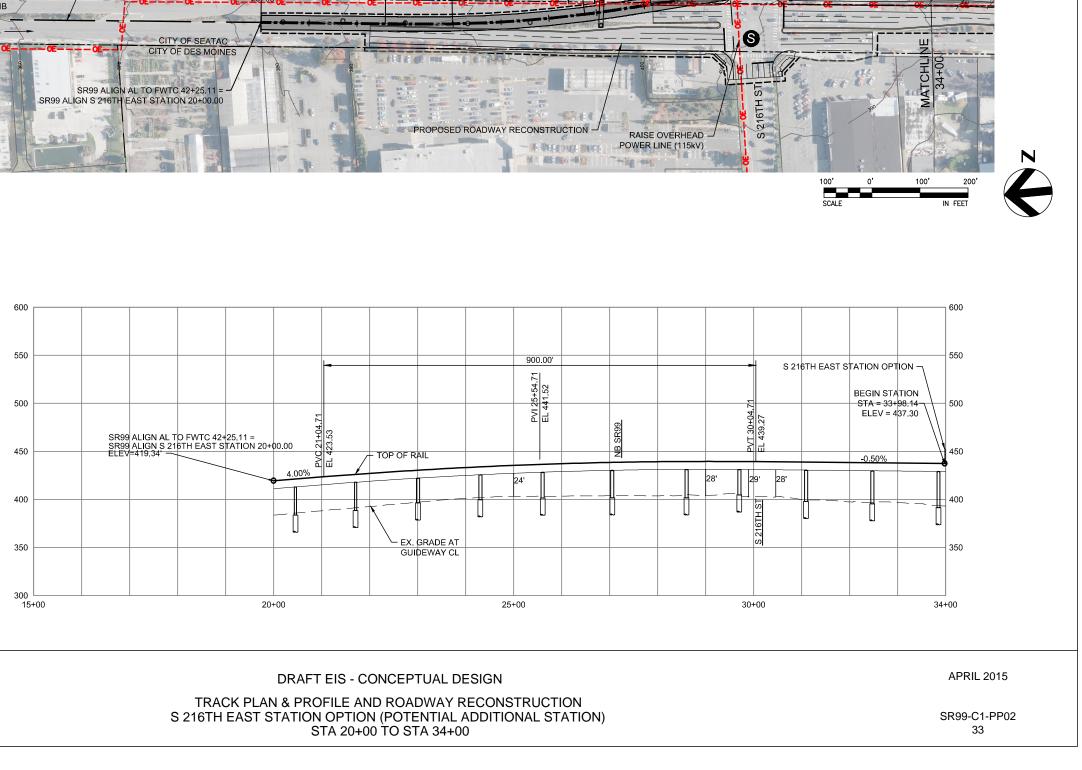
I - NOT USED



DRAFT EIS - CONCEPTUAL DESIGN S 216TH EAST STATION OPTION (POTENTIAL ADDITIONAL STATION) SHEET INDEX KEYMAP







S 216TH EAST STATION OPTION

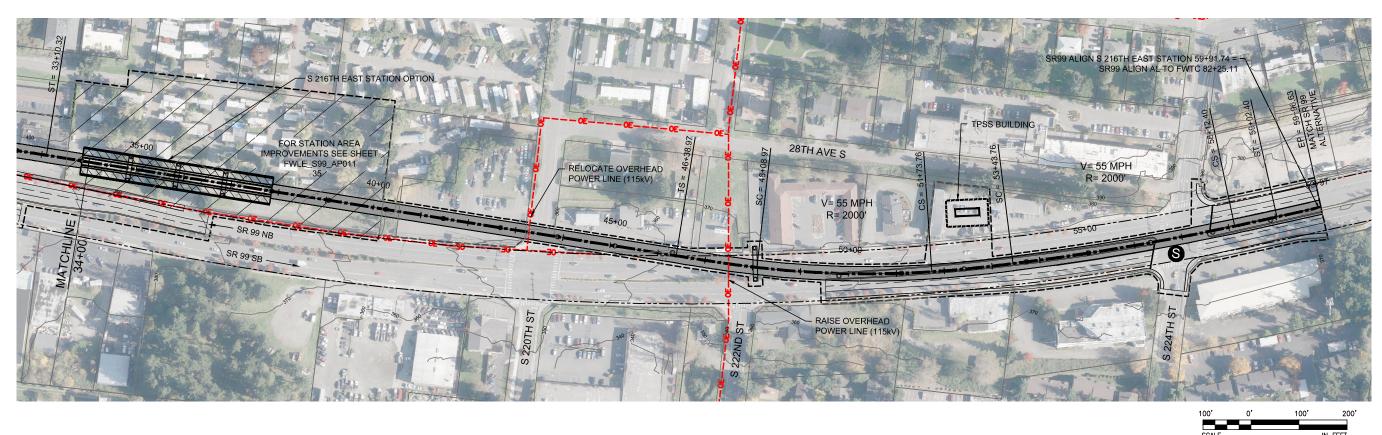
28TH AVE S

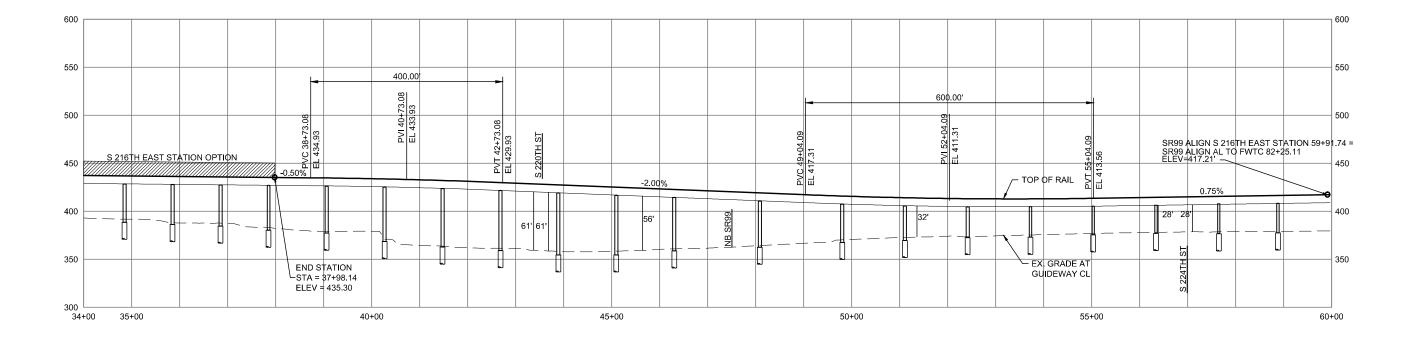
V= 55 MPH

R= 2000'

32

5 **H**R SoundTransit





SOUNDTRANSIT

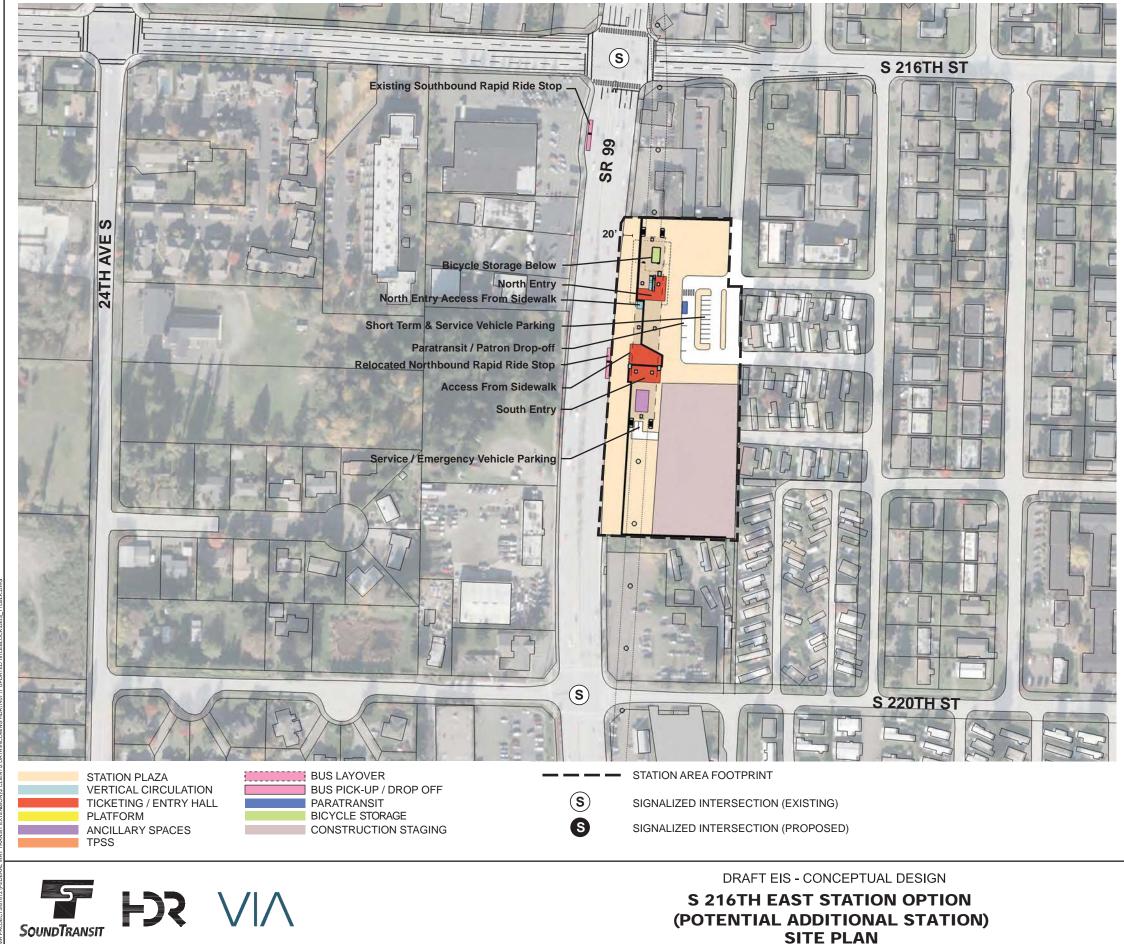
DRAFT EIS - CONCEPTUAL DESIGN

TRACK PLAN & PROFILE AND ROADWAY RECONSTRUCTION S 216TH EAST STATION OPTION (POTENTIAL ADDITIONAL STATION) STA 34+00 TO STA 59+91.74

SR99-C2-PP03 34

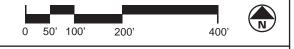
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ASSUMPTIONS:

S 216th East Station Option	
Alternative(s)	SR 99; SR 99 to I-5
Boardings	1,000
Station Configuration	
Terminus / In-Line	In-Line
Station Type	Side Platform - Elevated
Platform Width	14'
Tail track	N/A
Crossover	TBD
TPSS	No
Program	
KC Metro Ancillary Spaces (SF)	N/A
ST Ancillary Spaces (SF)	1,200
Total Ancillary Spaces (SF)	1,200
Vertical Circulation	
# of entrances	2
# of escalators	3
	3
# of staircases (patron)	÷
# of elevators	5
# of emergency stairs	4
Bus/ Paratransit Facilities	
Bus bays (KCM)	1 bay southbound at SR 99, two 60
	coaches;
	1 bay westbound at S 216th, two
Pus have (ST)	60' coaches N/A
Bus bays (ST)	
Rapid Ride	On-street at SR 99
Bus layover (KCM)	N/A
Bus layover (ST)	N/A
Paratransit	1 space
Communications Facility	Tier 2
Parking & Amenities	
Bike storage	900 SF
Patron drop-off	2 spaces
Short-term patron parking	7 to 10 spaces
Staff parking	N/A
Service/emer. vehicle park.	2 spaces, combined
Signal bungalow / TPSS park.	N/A
Patron parking	N/A
ration parking	N/A



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