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PARSONS OPTIONS

OPTION	NORTH WYE						SOUTH WYE						OVERALL			
	Location	Speed	Over/Under UP/Metrolink	Connection to CHST	Connection to HDC	Double or Single Track	Location	Speed	Over/Under UP/Metrolink	Connection to CHST	Connection to HDC	Double or Single Track	Impacts	Station Location	Status	Reason for Elimination
1	North of Airport	110 MPH	Over	110 MPH TO	110 MPH XO	Single	North of Airport	110 MPH	Under	110 MPH TO	110 MPH XO	Single	LAWA Property, Future Power Plant	Current PTC Location	DROPPED	Single track connection therefore one seat ride not possible, power plant impact, at-grade xing of CHST trks.
1A	North of Airport	110 MPH	Over	110 MPH TO	150 MPH TO	Double	South of Airport	60 MPH	Over	110 MPH TO	N/A Through Track	Double	LAWA Property	North of Colton Cutoff	DROPPED	South Wye connects to mainline therefore the configuration pushes Palmdale Transit Center further south, Station located South of Palmdale Blvd
1A 1	North of Airport	110 MPH	Over	110 MPH TO	150 MPH TO	Double	South of Airport	60 MPH	Over	Direct to Station Tracks	N/A Through Track	Double	LAWA Property	North of Avenue R	DROPPED	Station located South of Palmdale Blvd
1A 2	North of Airport	80 MPH	Over	110 MPH TO	150 MPH TO	Double	South of Airport	60 MPH	Over	Direct to Station Tracks	N/A Through Track	Double	LAWA Property	North of Avenue R	DROPPED	Station located South of Palmdale Blvd
1B	North of Airport	110 MPH	Over	110 MPH TO	150 MPH TO	Double	South of Airport	110 MPH	Under	110 MPH TO	N/A Through Track	Double	LAWA Property, Water Treatment Plant	North of Colton Cutoff	DROPPED	Water treatment plant impact, South Wye connect to CHST mainline therefore the configuration pushes Palmdale Transit Center further south, Station located South of Palmdale Blvd
1B 1	North of Airport	110 MPH	Over	110 MPH TO	150 MPH TO	Double	South of Airport	60 MPH	Under	Direct to Station Tracks	N/A Through Track	Double	LAWA Property	North of Palmdale Avenue	DROPPED	Impacts encroach into Lancaster. Largest footprint out of all options and will go into LAWA property
1B 2	North of Airport	80 MPH	Over	110 MPH TO	150 MPH TO	Double	South of Airport	60 MPH	Under	Direct to Station Tracks	N/A Through Track	Double	LAWA Property	North of Palmdale Avenue	DROPPED	Impacts encroach into Lancaster. Largest footprint out of all options and will go into LAWA property
2	North of Airport	110 MPH	N/A	110 MPH TO	110 MPH XO	Single	North of Airport	110 MPH	N/A	110 MPH TO	110 MPH XO	Single	LAWA Property, Future Power Plant	East of Current PTC Location	DROPPED	Single trk connection therefore one seat ride not possible, power plant impact, at-grade xing of CHST trks. South Wye connection, mainline station platform is separate from CHST platform and located on east side of existing PTC and UPRR.
3	North of Airport	110 MPH	Over	110 MPH TO	110 MPH TO	Single	North of Airport	125 MPH	South of Station Over	110 MPH TO	N/A Through Track	Double	LAWA Property, Future Power Plant	East of Current PTC Location	DROPPED	Single track connection therefore one seat ride not possible to North Leg, power plant impact, airport impacts. South Wye connection, mainline station platform is separate from CHST platform and located on east side of existing PTC and UPRR.
4	South of Airport	60 MPH	Over	60 MPH TO	60 MPH TO	Single	South of Airport	35 MPH	South of Station Over	60 MPH TO	Loop Track 110 MPH TO	Single	N/A	East of Current PTC Location	DROPPED	Single track connection therefore one seat ride not possible to North Leg, large impact to structures w/ loop, 35 MPH South. South Wye connection, mainline station platform is separate from CHST platform and located on east side of existing PTC and UPRR.
5	South of Airport	60 MPH	Over	60 MPH TO	60 MPH TO	Single	South of Airport	35 MPH	South of Station Over	60 MPH TO	N/A Through Track	Double	N/A	East of Current PTC Location	DROPPED	Single track connection therefore one seat ride not possible to North Leg, 35 MPH curve to South. South Wye connection, mainline station platform is separate from CHST platform and located on east side of existing PTC and UPRR.
6	South of Airport	60 MPH	Over	60 MPH TO	60 MPH TO	Single	South of Airport	70 MPH	South of Station Over	60 MPH TO	N/A Through Track	Double	Plant 42	East of Current PTC Location	DROPPED	Single track connection therefore one seat ride not possible to North Leg, Plant 42 impact, station on East separate from CHST
7	South of Airport	110 MPH	Over	110 MPH TO	110 MPH TO	Double	South of Airport	60 MPH	Under	Direct to Station Tracks	N/A Through Track	Double	LAWA Property, Plant 42	Current PTC Location	DROPPED	Impact to Plant 42 SW corner
7A	South of Airport	110 MPH	Over	110 MPH TO	110 MPH TO	Double	South of Airport	60 MPH	Under	Direct to Station Tracks	N/A Through Track	Double	N/A	North of Avenue R	DROPPED	Station located South of Palmdale Blvd
7A 1	South of Airport	80 MPH	Over	110 MPH TO	110 MPH TO	Double	South of Airport	60 MPH	Under	Direct to Station Tracks	N/A Through Track	Double	N/A	North of Avenue R	DROPPED	Station located South of Palmdale Blvd
7B	South of Airport	110 MPH	Over	110 MPH TO	150 MPH TO	Double	South of Airport	110 MPH	Under	110 MPH TO	N/A Through Track	Double	LAWA Property	North of Colton Cutoff	DROPPED	Station located South of Palmdale Blvd
7B 1*	South of Airport	110 MPH	Over	110 MPH TO	150 MPH TO	Double	South of Airport	60 MPH	Under	60 mp TO to station tracks	N/A Through Track	Double	LAWA Property	Current PTC Location		

*North leg for Option 7B1 can also be configured to go under UP/Metrolink tracks

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1	South of Airport	80 MPH	Under	110 MPH TO	N/A Through Track	Single	South of Airport	60 MPH	Under	60 mp TO to station tracks	80 MPH TO	Single	Will go under Plant 42 parking lot	Approx. 800' south of current station location		
2	South of Airport	100 MPH	Under	110 MPH TO	110 MPH TO	Double	South of Airport	80 MPH	Under	60 mp TO to station tracks	N/A Through Track	Single	Residential community	North of Palmdale Avenue	DROPPED	Option 2 is too similar to option 1 but shifts the Palmdale Transit Center 1400' further south
3	South of Airport	150 MPH	Under	110 MPH TO	110 MPH TO	Double	South of Airport	100	Under	110 MPH TO	N/A Through Track	Single	Will go under Plant 42 parking lot	North of Palmdale Avenue	DROPPED	Encroaches too far into Plant 42 property, also station platform is shifted further south
4	South of Airport	100 MPH	Under	110 MPH TO	80 MPH TO	Double	South of Airport	60 MPH	Under	60 mp TO to station tracks	N/A Through Track	Single	N/A	North of Palmdale Avenue	DROPPED	eastbound tracks therefore one seat ride is not possible, also Palmdale Transit Center is shifted further south