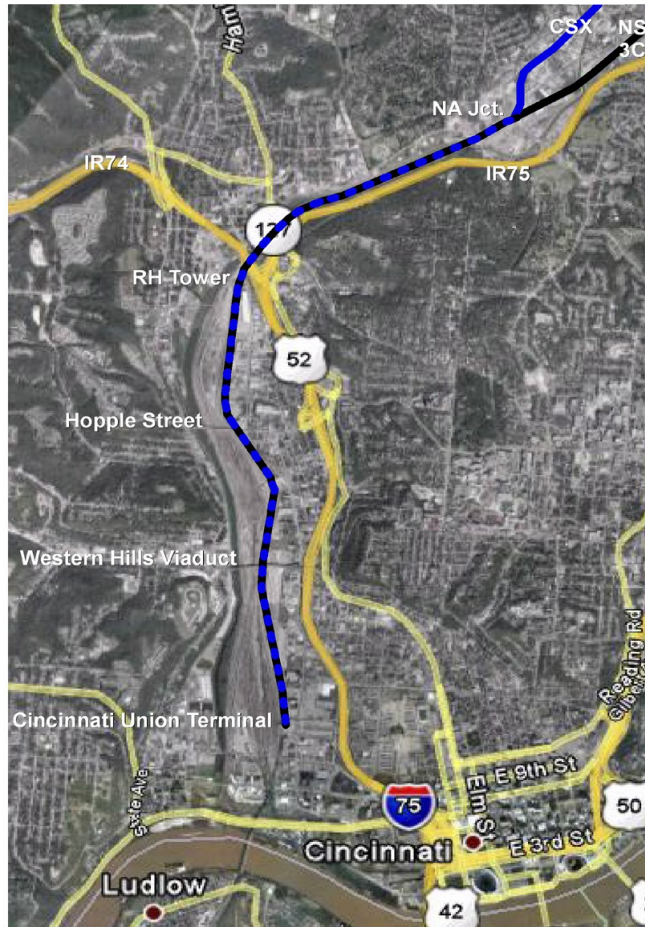


Cincinnati Union Terminal

access & capacity improvements
for Chicago-Indianapolis-Cincinnati
Phase 1 passenger rail service

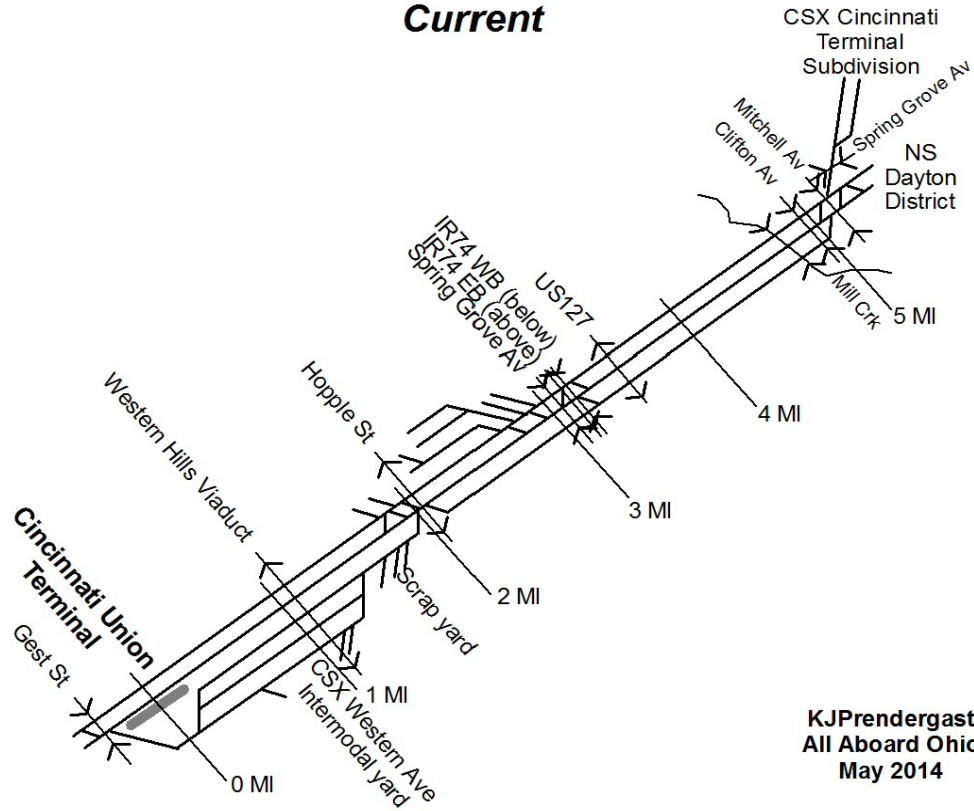


2014

Cincinnati Union Terminal

Access for passenger rail expansion

Current

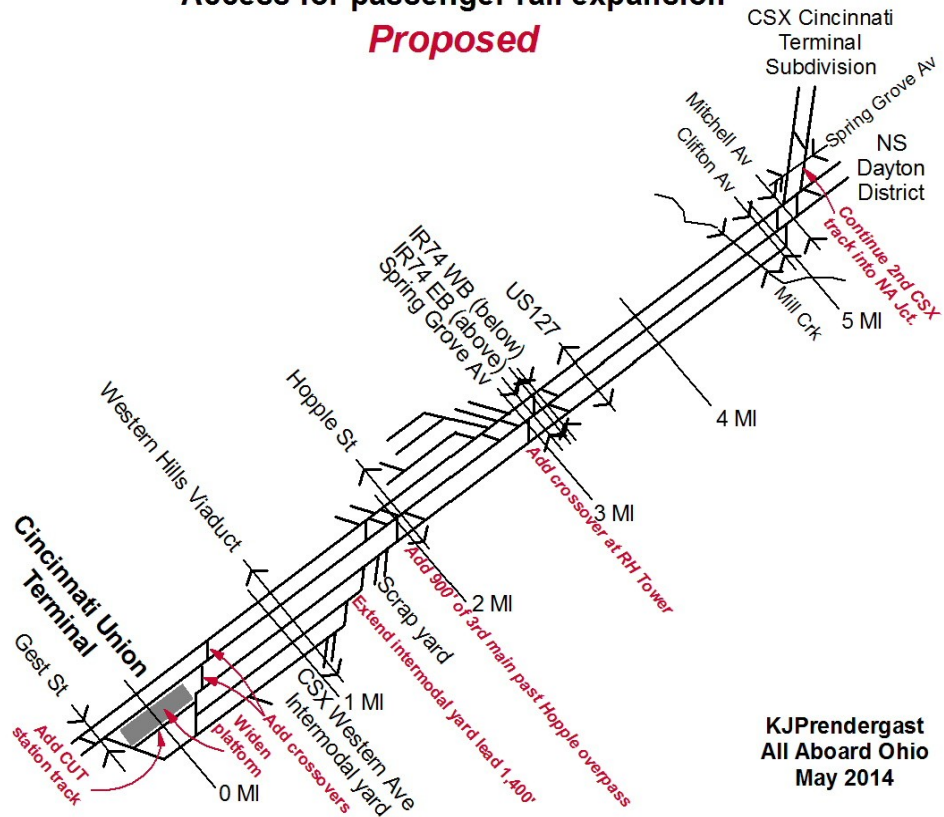


KJPrendergast
All Aboard Ohio
May 2014

Cincinnati Union Terminal

Access for passenger rail expansion

Proposed



KJPrendergast
All Aboard Ohio
May 2014

Cost estimates for phase 1 expansion of passenger rail service access to Cincinnati Union Terminal

LOCATION	ITEM	QUANTITY	UNIT	2010 UNIT COST	2010 AMOUNT
Cincinnati Union Terminal track level					
	Widen concrete platform	10000	SqFt	\$25	\$250,000
	Terminal lighting	12	Each	\$35,000	\$420,000
	Two station tracks	2300	linFt	\$200	\$460,000
	Station track signals	4	Each	\$ 100,000	\$400,000
	#10 turnout	4	Each	\$ 110,000	\$440,000
	#15 turnout	4	Each	\$ 130,000	\$520,000
	Turnout signals	4	Each	\$ 100,000	\$400,000
	Relocate #10 turnout less scrap	2	Each	\$ 100,000	\$200,000
	Dispatching software changes	placeholder		\$1,000,000	<u>\$1,000,000</u>
	Subtotal				\$4,300,000
	Contingency (@30 percent)				<u>\$1,290,000</u>
	TOTAL-Cincinnati Union Terminal track level costs				\$5,590,000
Hopple Street choke point					
	Relocate bridge support	placeholder		\$1,000,000	\$1,000,000
	Underbrush removal	placeholder		\$10,000	\$ 10,000
	Third main track	900	LinFt	\$200	\$180,000
	Extend intermodal yard lead	1400	LinFt	\$200	\$280,000
	#20 turnout	3	Each	\$ 160,000	\$480,000
	Turnout signals	3	Each	\$ 100,000	\$300,000
	Fencing	1000	LinFt	\$30	\$ 30,000
	Dispatching software changes	placeholder		\$1,000,000	<u>\$1,000,000</u>
	Subtotal				\$3,280,000
	Contingency (@30 percent)				<u>\$ 984,000</u>
	TOTAL-Hopple Street choke point costs				\$4,264,000
CSX double-track into NA Jct.					
	Property acquisitions	placeholder		\$ 200,000	\$ 200,000
	Pre-cast concrete walls	8700	SqFt	\$70	\$ 609,000
	Filling and grading	93750	CuYd	\$50	\$4,687,500
	Replace/relocate RR signals	1	Each	\$ 500,000	\$ 500,000
	Realign track	1000	LinFt	\$400	\$ 400,000
	Second main track	1500	LinFt	\$200	\$ 150,000
	Construct CSX crossover	placeholder		\$ 500,000	\$ 500,000
	Signal main track	1500	LinFt	\$11	\$ 15,000
	Bridge-over Mitchell Ave	110	LinFt	\$10,000	\$1,100,000
	Bridge-over Spring Grove Ave	275	LinFt	\$10,000	\$2,750,000
	Dispatching software changes	placeholder		\$1,000,000	<u>\$1,000,000</u>
	Subtotal				\$11,911,500
	Contingency (@30 percent)				<u>\$ 3,573,450</u>
	TOTAL-CSX double-track into NA Jct. costs				\$15,484,950