

Cambridge Systematics Analysis of 2019 STB Public Use Waybill Sample

West to East Traffic

LINE	ITEM	BNSF/CSX	BNSF/NS	UP/CSX	UP/NS	Total
Expanded Cars		180,554	193,185	131,364	140,553	645,656
Expanded Tons		18,925,013	17,176,219	13,838,849	12,560,050	62,500,130

East to West Traffic

LINE	ITEM	BNSF/CSX	BNSF/NS	UP/CSX	UP/NS	Total
Expanded Cars		64,127	68,613	46,656	49,920	229,315
Expanded Tons		3,979,945	3,612,172	2,910,321	2,641,388	13,143,826

Bi-Directional Traffic

LINE	ITEM	BNSF/CSX*	BNSF/NS	UP/CSX	UP/NS	Total
Expanded Cars		244,681	261,798	178,020	190,473	874,971
Expanded Tons		22,904,957	20,788,391	16,749,170	15,201,438	75,643,956

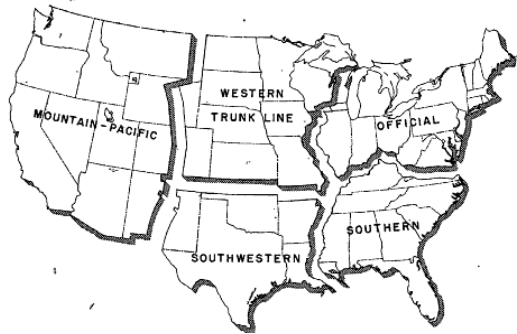
*unable to differentiate traffic based on Avon, IN or Willard, OH gateway

Assumptions and Methodology for calculations of tons and cars (a3:f17)

Data Sources	STB Public Use Waybill Sample, 2019. AAR Analysis of Class I railroads, 2019.
Traffic Volumes	
West to East Traffic	a. Carload traffic from territories 3, 4, 5 destined through territory 1, interchanged in Chicago b. Carload traffic from territories 3, 4, 5 rebilled in Chicago (no destination available)
East to West Traffic	a. Carload traffic from territory 1, rebilled in Chicago (no destination available) b. Carload traffic from territory 1, destined for territories 3, 4, 5, interchanged in Chicago

Geography

- STB Regions 1-5
Relationship to map
1. Official
 2. Southern
 3. Western Trunk
 4. Southwestern
 5. Mountain Pacific



Route Distribution

Traffic in western territories 3, 4, 5 assumed to be served by BNSF and UP at proportional rates as reported in the AAR "Analysis of Class I Railroads" report. (42% UP, 58% BNSF for both cars and tons)

Traffic in eastern territory 1 assumed to be served by NS and CSX at proportional rates as reported in the AAR "Analysis of Class I Railroads" report (48% CSX, 52% NS cars) (52% CSX, 48% NS tons)

Traffic was assumed to switch in Chicago from UP or BNSF to NS or CSX (and vice versa) based on the proportions described above

Scenarios for Traffic Diversion (CTCO)

BNSF to Norfolk Southern: Galesburg, IL to Elkhart, IN:

- via Chicago: 274 miles**
- via St. Louis: 612.8 miles
- via Kansas City: 879.8 miles

Union Pacific to Norfolk Southern: North Platte, NE. to Elkhart, IN:

- via Chicago: 844 miles**
- via Kansas City: 996 miles
- via St. Louis: 1,047 miles

Union Pacific to CSX: North Platte, NE. to Willard OH:

- via Chicago: 1,019 miles**
- via St. Louis: 1,176 miles

BNSF to CSX: Galesburg, IN. to Avon, IN:

- via Chicago: 325 miles**
- via St. Louis: 468.8 miles

BNSF to CSX: Galesburg, IN. to Willard, OH:

- via Chicago: 459 miles**
- via St. Louis: 740.8 miles