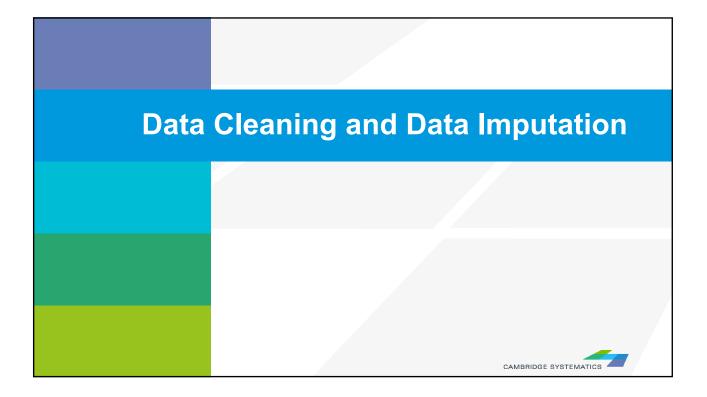
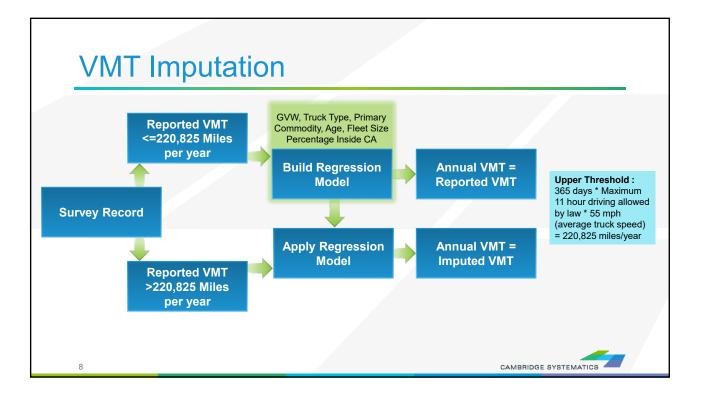
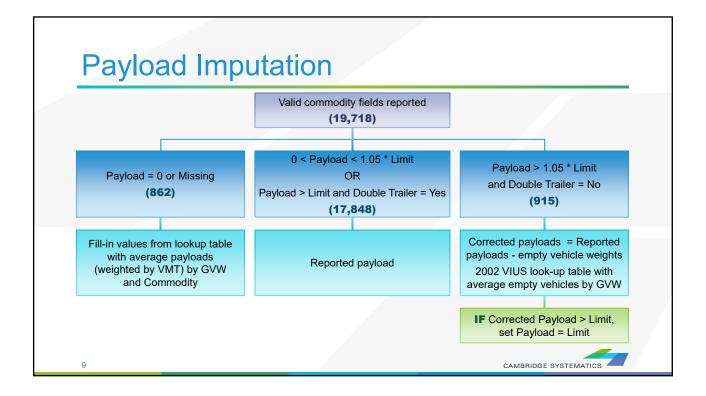
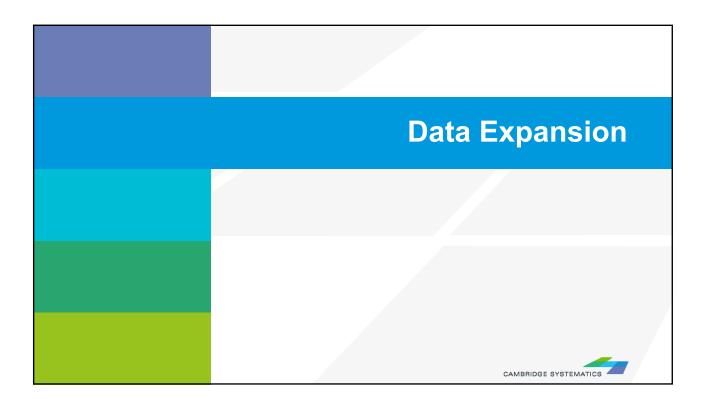


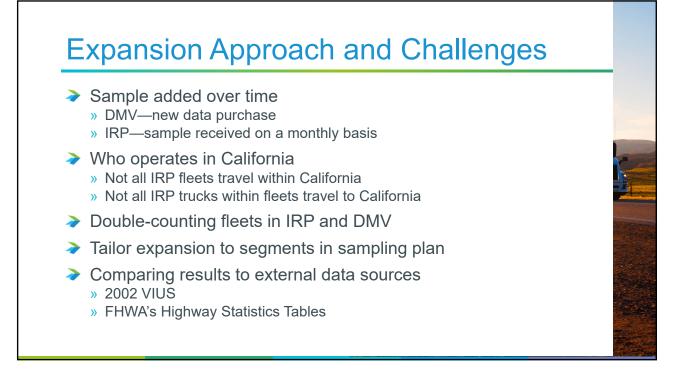
SL			1 1	<b>n</b>		sto	4								
		eys		ווכ	ipie		u								
Source	Fleet Size	Region	Gross Vehicle Weight (Ibs)	Final Target	Completed Surveys	Percent Complete	Source	Fleet Size	Region	Vehicle Type	Vehicle Model	Final Target	Completed Surveys	Completed Surveys by	Percent Complete
		Central	<26,000	980	1,301	133%	0							Target	
		Coast/Valley	≥26,000	918	781	85%		Small (1 –		Tractor			36		
		LA/Inland/Empire/	<26,000	3,000	3,917	131%		5 trucks)		Other	2010 and	55	4	60	109%
	Small Fleets	SD	≥26,000	1,700	1,499	88%		Large (6+		Tractor	later	00	18		
2	(1 – 5 trucks)	Sacramento/Bay	<26,000	1,400	1,771	127%		trucks)	Adjacent States	Other			2		
e (DN	udono)	Area	≥26,000	526	628	119%	<u>e</u>	Small (1 – 5 trucks)	States	Tractor Other			32		
California Department of Motor Vehicle (DMV)			<26,000	355	453	128%	Registration Plan (IRP)	Large (6+		Tractor	Earlier than 2010	50	6	45	90%
tor v		Rest of State	≥26,000	180	226	127%	n Pla	trucks)		Other			0		
of Ma	Subtotal S	Small Fleets (DMV)		9,059	10,576	117%	atio	Subtotal Ad	djacent State	s (IRP)		105	105	105	100%
ient o		Central	<26,000	377	238	63%	gistr	Small (1 –		Tractor		600	606	646	108%
artm		Coast/Valley	≥26,000	200	291	146%		5 trucks)		Other	2010 and	000	40	040	100 %
a Dep		LA/Inland/Empire/	<26,000	708	609	86%	International	Large (6+	Other	Tractor	later	350	518	518	148%
forni	Large Fleets	SD	≥26,000	230	457	199%	mat	trucks)	States (including	Other		30	37	37	123%
Calif	(6+ trucks)	Sacramento/Bav	<26,000	380	328	86%	Inte	Small (1 – 5 trucks)	Canadian provinces)	Tractor		400	406	430	106%
	,	Area	≥26,000	74	241	326%		· · ·	p.01.11003)	Other Tractor	Earlier than 2010	220	24 141	141	64%
			<26,000	200	51	26%		Large (6+ trucks)		Other		35	24	24	69%
		Rest of State	≥26,000	20	98	490%		Subtotal Of	ther States (I			1,635	1,796	1,796	110%
	Subtotal L	arge Fleets (DMV)		2,189	2.313	106%		Total IRP	,			1,740	1,901	1,901	109%







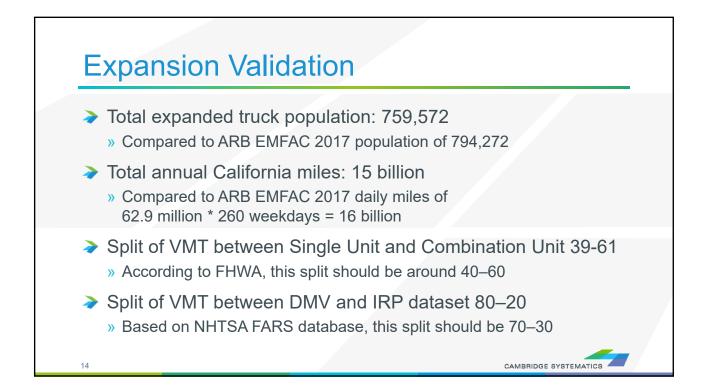


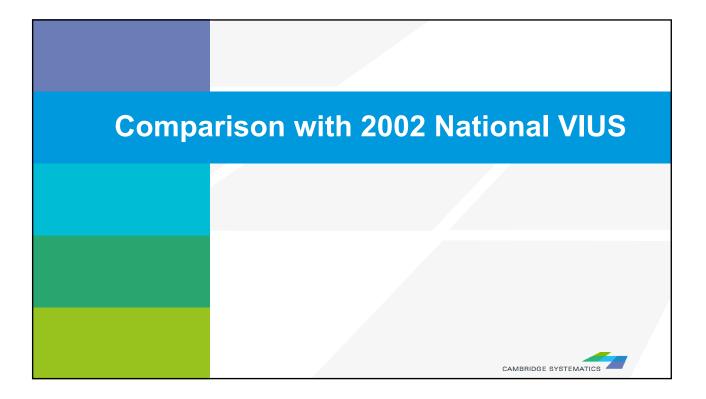


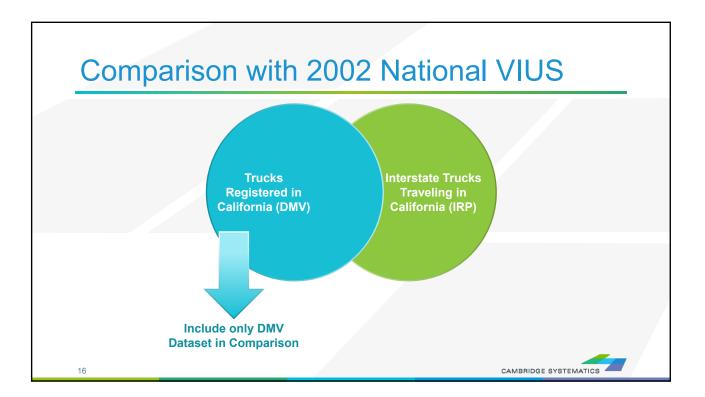
## Expansion Factors (DMV Trucks)

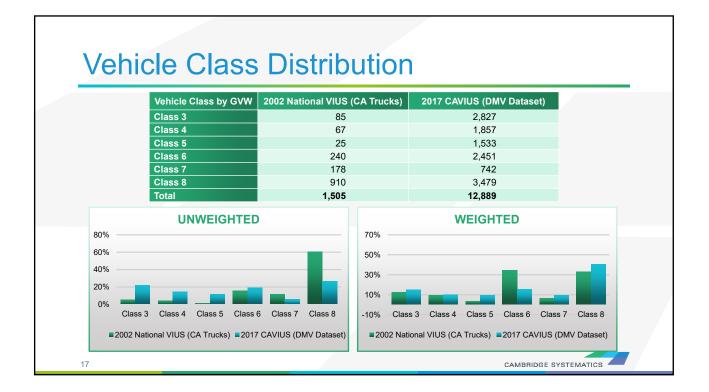
Region	Fleet Size	Gross Vehicle Weight (Ibs)	Truck Database	Adj. Truck Database	Trucks Surveyed	Expansion Weight
	Small (1–5)	<26,000	61,874	46,238	3,917	11.8
LA/Inland Empire/	Smail (1–5)	≥26,000	37,892	29,334	1,499	19.6
San Diego		<26,000	92,897	79,586	609	130.7
	Large (6+)	≥26,000	103,641	95,113	457	208.1
	Small (1 E)	<26,000	18,185	13,987	1,301	10.8
Central Coast/	Small (1–5)	≥26,000	16,067	13,111	781	16.8
Valley		<26,000	27,126	24,027	238	101.0
	Large (6+)	≥26,000	46,461	42,777	291	147.0
Sacramento/		<26,000	26,797	20,677	1,771	11.7
	Small ( –5)	≥26,000	11,617	9,579	628	15.3
Bay Area		<26,000	47,741	42,876	328	130.7
	Large (6+)	≥26,000	42,070	39,911	241	165.6
	Small (1 E)	<26,000	4,720	3,741	453	8.3
Rest of State	Small (1–5)	≥26,000	2,844	2,529	226	11.2
Rest of State		<26,000	4,584	4,180	51	82.0
	Large (6+)	≥26,000	6,075	4,765	98	48.6
	Total		550,591	472,431	12,889	
12					AMBRIDGE SYS	

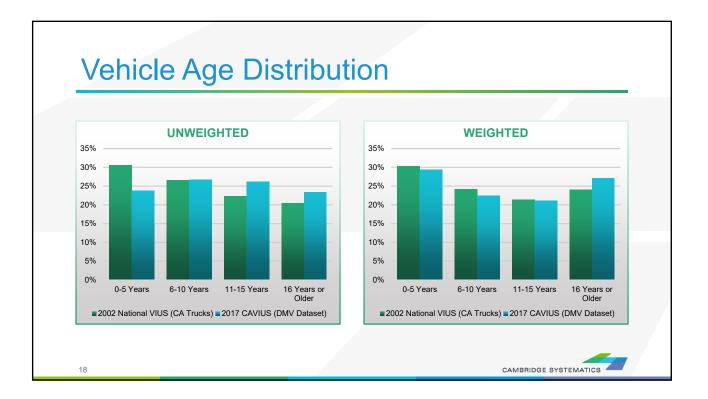
				P Tru	/		
Region	Fleet Size	Vehicle Age	Vehicle Type	Truck Universe	Adjusted Truck Universe	Trucks in the Survey	Truck Expansion Factor
		2010 or Later	Tractor	1,510	1,191	36	33.1
	Small (1-5)	2010 OF Later	Other	304	89	4	22.3
		Earlier than 2010	Tractor	2,597	1,197	32	37.4
Adjacent States			Other	502	1,414	7	201.9
		2010 or Later	Tractor	5,688	4,867	16	304.2
	Large (6+)	2010 OF Eater	Other	1,841	1,034	2	517.2
	Large (01)	Earlier than 2010	Tractor	2,983	1,597	6	266.2
			Other	2,053			
		2010 or Later	Tractor	26,672	6,143	605	10.2
	Small (1-5)	2010 OF Later	Other	5,981	3,617	40	90.4
		Earlier than 2010	Tractor	52,048	20,503	406	50.5
Other States			Other	6,252	3,548	24	147.8
other otales		2010 or Later	Tractor	554,862	112,275	517	217.2
	Large (6+)	2010 OF Later	Other	121,877	27,923	37	754.7
	Laige (0+)	Earlier than 2010	Tractor	189,736	78,652	141	557.8
			Other	35,444	13,124	24	546.8
	Tota			1.010.351	277.172	1.897	

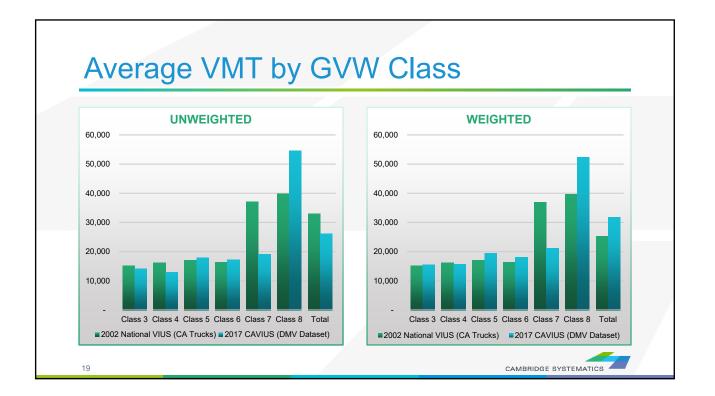


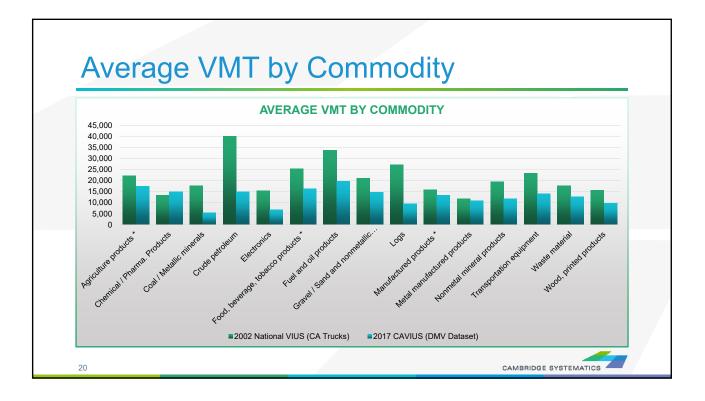


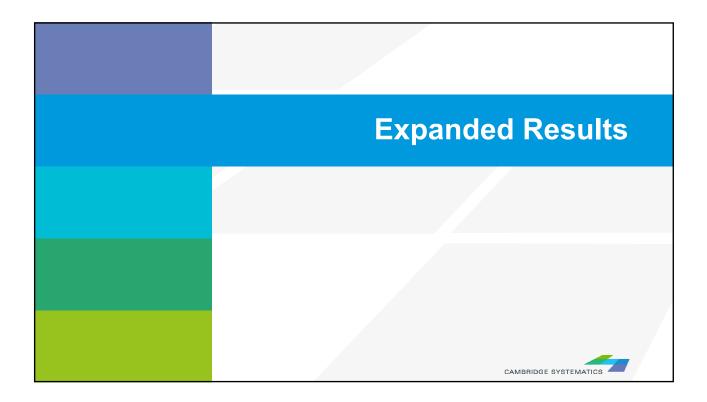






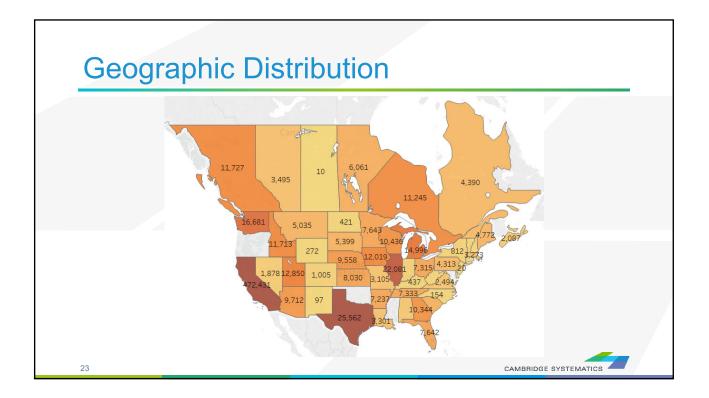






## **Key Vehicle Characteristics**

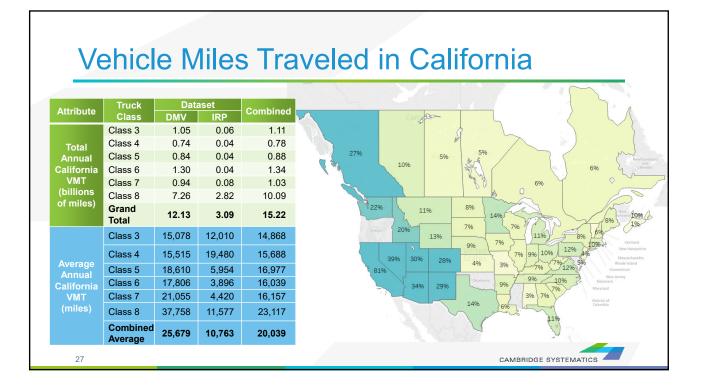
	Attribute	Data	set	Total
	Attribute	DMV	IRP	TOTAL
Fleet Size	Large 6+	333,235	247,650	580,885
	Small 1–5	139,196	39,617	178,813
Vehicle Type	Straight	310,213	51,812	362,025
veniere type	Tractor	162,218	235,455	397,673
	10,001–14,000 pounds (Class 3)	69,723	5,129	74,852
	14,001–16,000 pounds (Class 4)	47,505	2,167	49,672
Gross Vehicle Weight	16,001–19,500 pounds (Class 5)	44,914	6,655	51,569
	19,501–26,000 pounds (Class 6)	73,170	10,644	83,814
	26,001–33,000 pounds (Class 7)	44,822	18,707	63,530
	>33,000 pounds (Class 8)	192,297	243,965	436,261
	0–5	139,181	135,849	275,030
Vehicle Age	6–10	127,877	80,751	208,627
venicie Age	11–15	105,894	47,924	153,818
	16 or older	99,479	22,743	122,222
Total		472,431	287,267	759,698
2			CAMBRIDGE SYS	TEMATICS

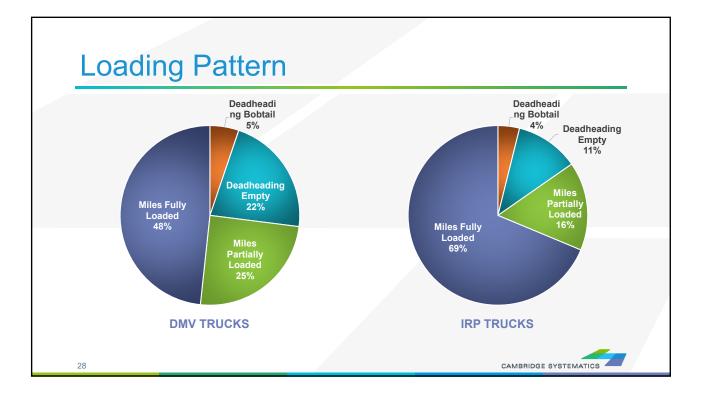


			Truck	Class			<b>T</b> . ( . )
Fuel Type	3	4	5	6	7	8	Total
Diesel (including biodiesel)	38,445	34,706	44,192	78,554	61,712	433,364	690,974
Gasoline (including gasohol)	36,383	13,556	5,345	4,933	910	273	61,401
Other Fuel (alcohol fuels, electric, natural gas, etc.)	24	1,410	2,032	327	907	2,624	7,323
Total	74,852	49,672	51,569	83,814	63,530	436,261	759,698
	Tean Energy					7	

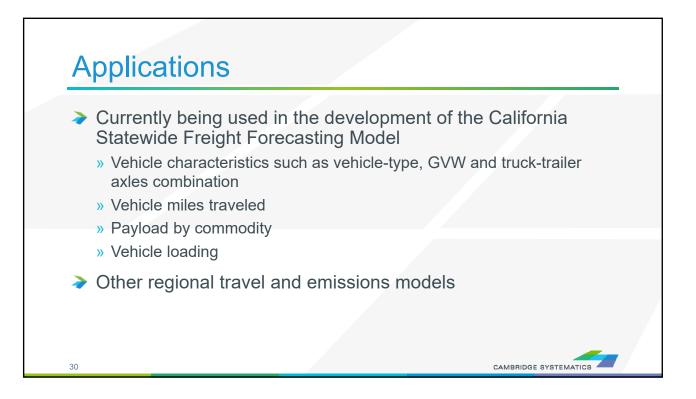
Number of Truck Axles	No Trailer	One	Two	Three or More Axles	Total
Two axles (each axle has 2 tires)	65,595	6,172	9,031	1,497	82,294
Two axles (front 2, rear 4 tires)	211,254	10,561	37,317	18,004	277,136
Three axles	30,456	5,725	310,428	23,438	370,046
Four axles	4,110	86	5,040	7,098	16,334
Five axles	12		10,781	456	11,249
More than five axles	58		11	2,011	2,081
Total	311,505	22,544	373,007	52,643	759,698
		Ć			

Attribute				Truck	Class (GVW)			Combined
Allfibule		3	4	5	6	7	8	Average
Dataset	DMV	15,461	15,769	19,488	18,171	21,414	52,304	31,856
Dataset	IRP	42,508	57,796	83,934	46,415	60,540	93,787	88,461
	0–5 years	20,187	28,427	34,959	31,405	45,255	88,509	69,491
Vehicle	6–10 years	22,088	22,999	30,793	24,698	38,432	72,892	58,975
Age	11–15 years	15,324	17,166	23,116	18,591	24,018	65,869	37,708
	16 years or older	12,196	10,232	14,493	11,342	12,320	47,843	26,554
Combined	Average	17,314	17,602	27,861	21,758	32,935	75,502	53,260
	ANNUAL VMT E	α τα τ	SET				VEHICLE A	GE
100 —					80		VEINOLE P	
			88			59		
40 — 20 —	32				0		38	27
0	DMV		IRP		0 – 5 years	6 – 10 years	11 – 15 years	16 years or Older





		Data	aset	Combined			Dat	aset	Combined
	Attribute	DMV	IRP	Average	4	Attribute	DMV	IRP	Average
	Agriculture products	26,145	38,747	31,941	ŝ	Class 3	1,835	3,833	1,969
	Chemical/pharmaceutical products	25,066	24,002	24,615	Truck Class (GVM)	Class 4	2,368	5,194	2,512
	Coal/metallic minerals	22,420	34,850	29,488	) s	Class 5	3,721	8,444	4,492
	Crude petroleum	34,333	1,646	28,541	Class	Class 6	5,266	6,008	5,361
	Electronics	14,153	24,707	19,013		Class 7	11,081	13,932	12,162
	Food, beverage, tobacco products	26,580	37,493	32,904	ž	Class 8	34,682	37,066	36,069
	Fuel and oil products	21,511	39,569	24,335		nbined	01,002	01,000	00,000
	Gravel/sand and nonmetallic minerals	26,933	40,869	28,853		rage	20,162	34,001	26,361
5	Logs	21,873	38,319	24,682		load (lbs)		• .,•• .	_0,001
,	Manufactured products	16,307	29,230	22,608					
	Metal manufactured products	14,897	35,710	25,545					
	Nonmetal mineral products	20,232	36,598	30,084					
	Transportation equipment	16,574	33,976	24,177					
	Waste material	16,593	30,062	18,393					
	Wood, printed products	20,053	36,764	27,190					



Large Tea	m		
Mob Br Kupp	n		
Redhill Group	Franklin Hill Group	Calstart	
Mark McCourt, Ryan Mak, and crew	Cheryl Stetcher	Jasna Tomic, Kevin Leong, and Chase Lecroy	ATRI, Fehr and Peers, Inchecks
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