

Mellott, Craig

From: Kinard, Eric W <ekinard@pa.gov>
Sent: Thursday, November 6, 2025 10:01 AM
To: Mellott, Craig
Cc: Dzurko, Michael J; Warden, William J; Thompson, Vickie M.; Whalen, Dan
Subject: Re: [External] Warehouse Trip Generation - Current ITE Manual

Good morning Craig,

Yes, we are agreeable to using the LUC 150 12th edition data with the SOL flowchart.

Thanks for your patience with this one. Give me a shout if you have any questions.

[cid:eca6cd14-4f35-40df-a249-04e3c199bf3b]

Eric Kinard | District Permits Manager

PA Department of Transportation | PennDOT Engineering District 8-0

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Mellott, Craig

From: Mellott, Craig
Sent: Wednesday, October 15, 2025 3:25 PM
To: Kinard, Eric W
Cc: Dzurko, Michael J; Warden, William J; Thompson, Vickie M.; Whalen, Dan
Subject: RE: [External] Warehouse Trip Generation - Current ITE Manual
Attachments: 12Edition ITE #150 filtered for less than 500ksf and NE.pdf; ITE 150 Data Unfiltered 12th Edition.pdf; ITE 154 Data Unfiltered 12th Edition.pdf

Eric – no problem. For purposes of this interim discussion, I focused on only the ITE#150 data (filtered for buildings <500 ksf and in the NE/Mid-Atlantic Region) along with ITE#154 from the 12th edition, since those are the two current methodologies referenced in 282 and the flow chart. Below is a table showing the difference – as you can see, ITE #154 stayed the same (looks like no new data added for #ITE 154 since the 11th edition).

ITE #150, filtered for <50 ksf and NE/Mid-Atlantic, did go down pretty substantially for total vehicles – this LUC did get new data since the 11th edition, some of which were the 15 sites PennDOT studied (that were incorporated into the statistics).

ITE's 12th edition web application gives an error when we tried to get filtered ITE#150 data for trucks during the AM/PM peaks; that's why we don't show anything below relative to the 12th edition for those scenarios. We've reached out to ITE to see if they can figure out why it's giving an error.

I've also attached PDF data from the 12th Edition for the following: (1) Filtered data for ITE #150 for <500 ksf and NE/Mid-Atlantic Region; (2) unfiltered ITE trip gen data for ITE #150; (3) unfiltered ITE trip gen data for ITE #154.

Let me know your thoughts – I can provide info on other ITE codes if you'd like (ITE#155 (High-Cube Fulfillment), #156 (High Cube Parcel Hub), #157 (High-Cube Cold Storage), but those are fairly specific users that would seem to be appropriate if the actual end user is known (although obviously happy to hear PennDOT's feedback in that regard).

Thanks!

TABLE A
ITE TRIP GENERATION DATA 11TH VS 12 EDITION TRIP GENERATION MANUAL

Land Use	ITE #	Time Period	Trip Type	Weighted Average Rate
High-Cube Transload and Short-Term Storage Warehouse	154	Weekday	All Vehicular	1.40 (1.40)
			Truck	0.22 (0.22)
		Weekday A.M. Peak Hour	All Vehicular	0.08 (0.08)
			Truck	0.02 (0.02)
		Weekday P.M. Peak Hour	All Vehicular	0.10 (0.10)
			Truck	0.01 (0.01)
Warehousing <500 KSF GFA	150 ¹	Weekday	All Vehicular	3.02 (2.52)
			Truck	0.60 (0.40)
		Weekday A.M. Peak Hour	All Vehicular	0.42 (0.24)
			Truck	0.05
		Weekday P.M. Peak Hour	All Vehicular	0.37 (0.27)
			Truck	0.06

T = number of site-generated vehicular trips

X = independent variable (ksf, thousand square feet of gross leasable areas)

1 = ITE LUC 150 Filtered by Northeast & Mid-Atlantic Region/Size



Black Bold Font: 11th Edition Trip Generation Manual

Red Font (Rates identified in 12th Edition Trip Generation Manual)

Craig Mellott, P.E., PTOE, Vice President



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From: Kinard, Eric W <ekinard@pa.gov>

Sent: Wednesday, October 15, 2025 1:06 PM

To: Mellott, Craig <cmellott@tpdinc.com>

Cc: Dzurko, Michael J <MDZURKO@pa.gov>; Warden, William J <wilwarden@pa.gov>; Thompson, Vickie M. <victthompso@pa.gov>; Whalen, Dan <danwhalen@pa.gov>

Subject: RE: [External] Warehouse Trip Generation - Current ITE Manual

Craig,

Could you quantify and document the changes to all the various warehouse LUC in the 12th edition so we could evaluate?

It's embarrassing, but due to the budget impasse, we can't purchase the newest edition.



Eric Kinard | District Permits Manager

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From: Mellott, Craig <cmellott@tpdinc.com>

Sent: Wednesday, October 15, 2025 11:42 AM

To: Kinard, Eric W <ekinard@pa.gov>; Warden, William J <wilwarden@pa.gov>; Thompson, Vickie M. <victhompso@pa.gov>; Whalen, Dan <danwhalen@pa.gov>

Cc: Dzurko, Michael J <MDZURKO@pa.gov>

Subject: [External] Warehouse Trip Generation - Current ITE Manual

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Eric/Bill/Vickie/Dan – thanks again for talking with me this morning on PennDOT District 8-0's methodologies for generating trips associated with speculative warehousing where end users are not yet known. I wanted to confirm that moving forward, since the 12th edition of ITE's *Trip Generation Manual* was recently issued, PennDOT 8-0 is comfortable using the attached flow chart (from the current Publication 282) to establish trip generation rates for speculative warehouse development, but rather than using the 11th edition of the *Trip Generation Manual*, **usage of the 12th edition ITE Trip Generation Manual data for the flow chart determination/trip generation calculations is acceptable.**

If you would, we'd appreciate you confirming this understanding until such time (if/when) Central Office decides to update the methodology in a future Publication 282 update. I've copied Mike Dzurko on this email as well to keep him in the loop.

Let me know your thoughts. Thank you!

Craig Mellott, P.E., PTOE, Vice President



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