



# Safe Routes to School @ Christ the King School, Rutland with Maeve MacLachlan

# Safe Routes to School - Project Origins

How can we arrive at Christ the King School safely and decrease our carbon footprint?

What do we think we know?

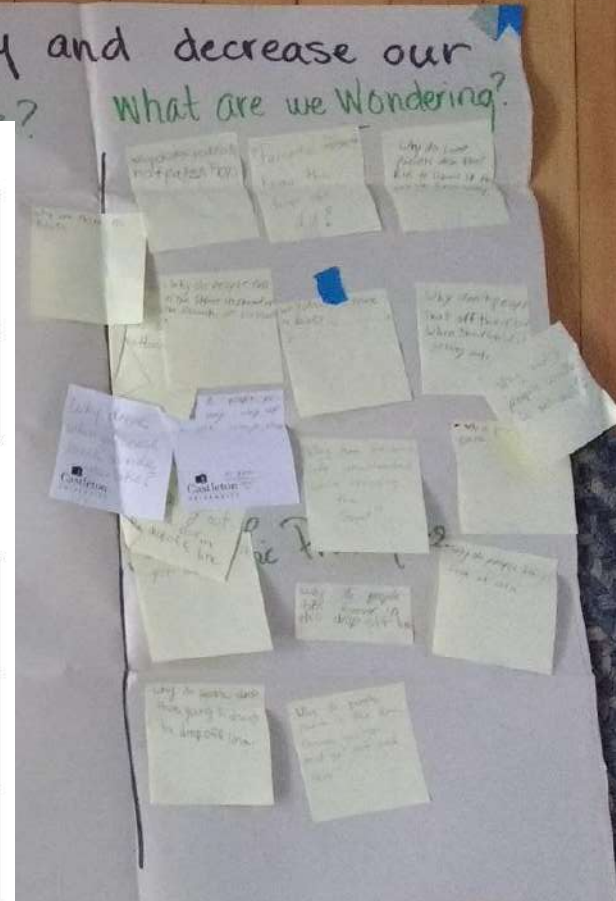
## Student Observations of Drop off Behaviors:

There are traffic jams on Route 7 and Madison Avenue.	I have seen people go up the wrong way through the lower parking lot.	Parent do not pay attention and kids can get hurt.	Parents are speeding in the parking lot.
Children run in front of cars.	People drive the wrong way on the Engram Access road.	People stop in the drop off section and start talking.	People leave their cars running.

## Student generated questions concerning observations they have made or wonderings they are curious about.

Why do people take too much time getting out of the car in the drop off line?	Why do people go the wrong way up a one way street?	Why are little children left unattended?	Why don't we have a bus?
Why do people run in the street instead of the sidewalk or crosswalk?	Why don't people shut off their cars when their child is getting out?	Why do people park in the drive through section and get out and talk?	Why do people idle their cars?
Why do some parents drive their kids to school if they are just like 3 minutes away?	Why are children left unattended while crossing the street?	Why do people drop their young kids at the drop off line?	Do Parents know the drop off drill?
Why drive when you could walk or ride your bike?	Why do people take forever in the drop off line?	Why can't people walk to school?	Why do parents not pay attention?
Why do people run in front of cars?			

What are we wondering?



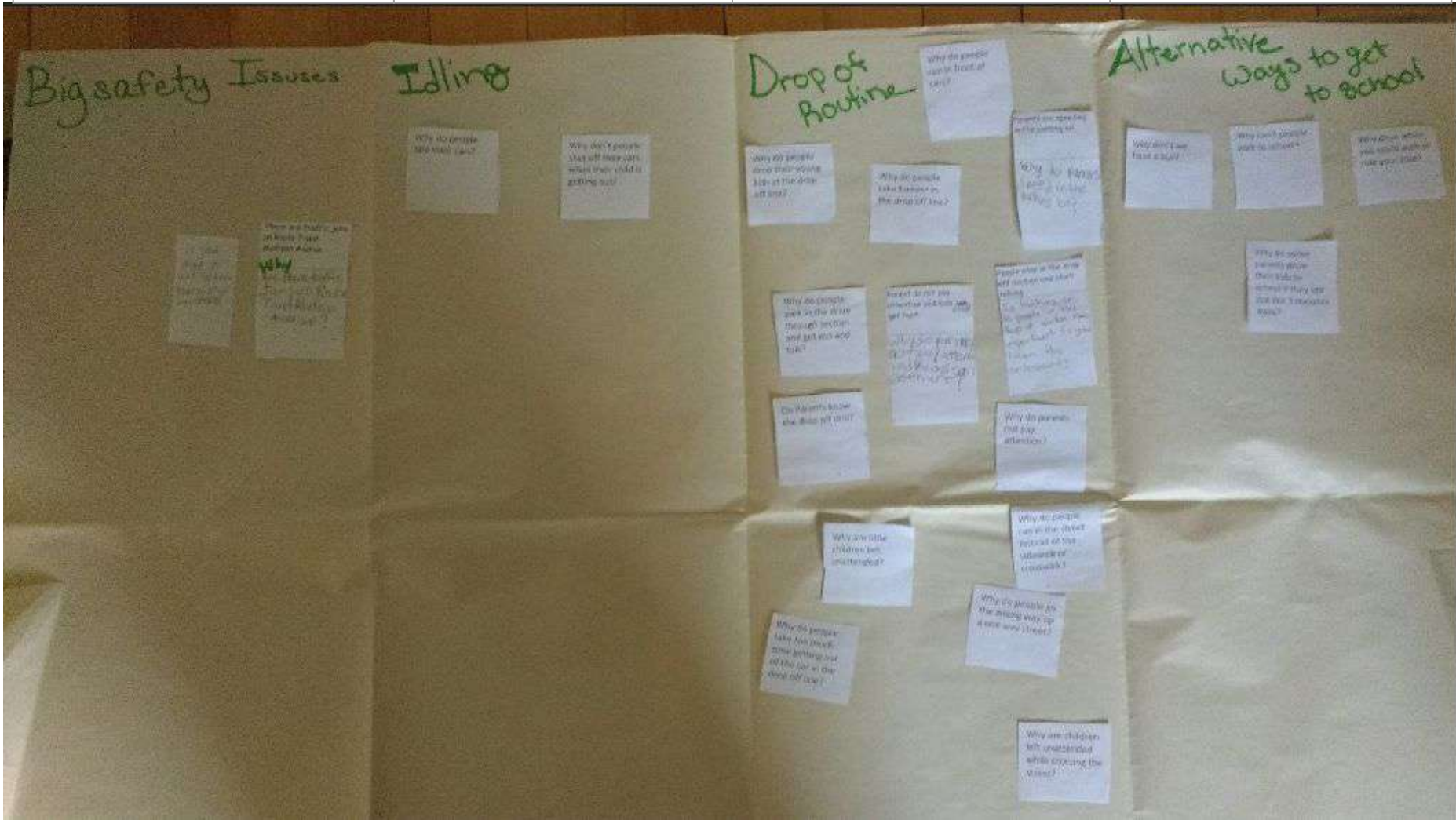
# Safe Routes to School - Observations

Big Safety Issues

Idling

Drop Off Routines

Alternative Ways to Get to School

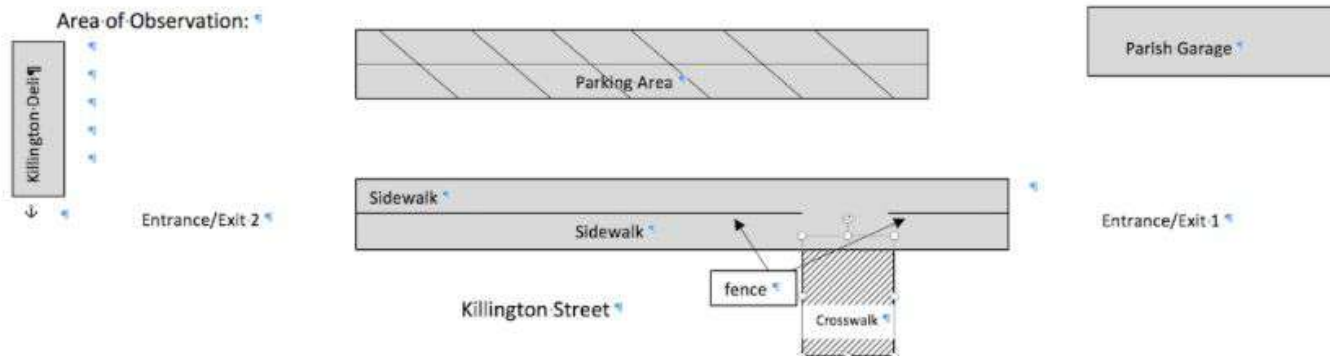


# Safe Routes to School - Observations

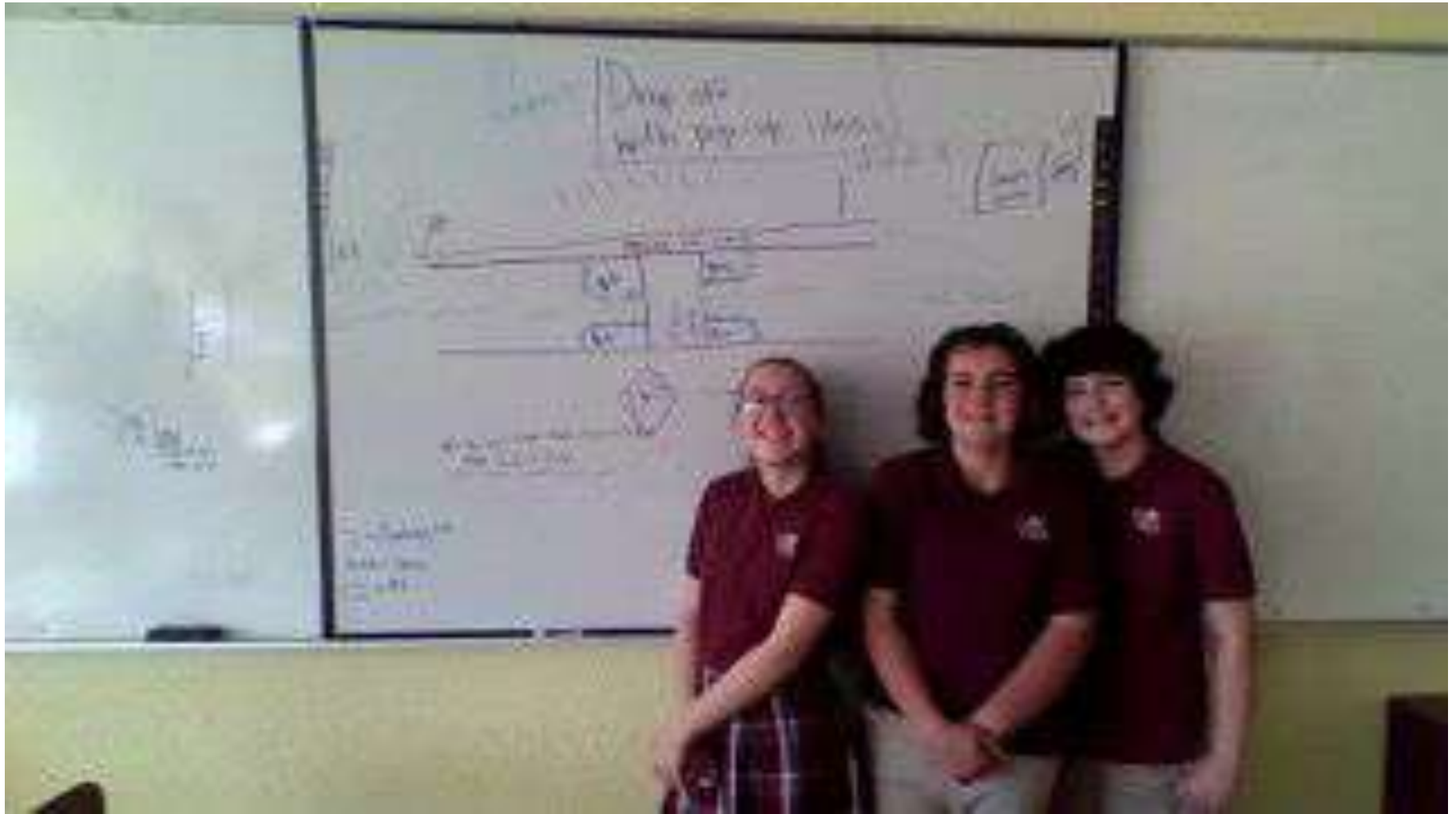
## Christ the King School Drop Off Observation

Tally the number of vehicles that participate in Drop-off:

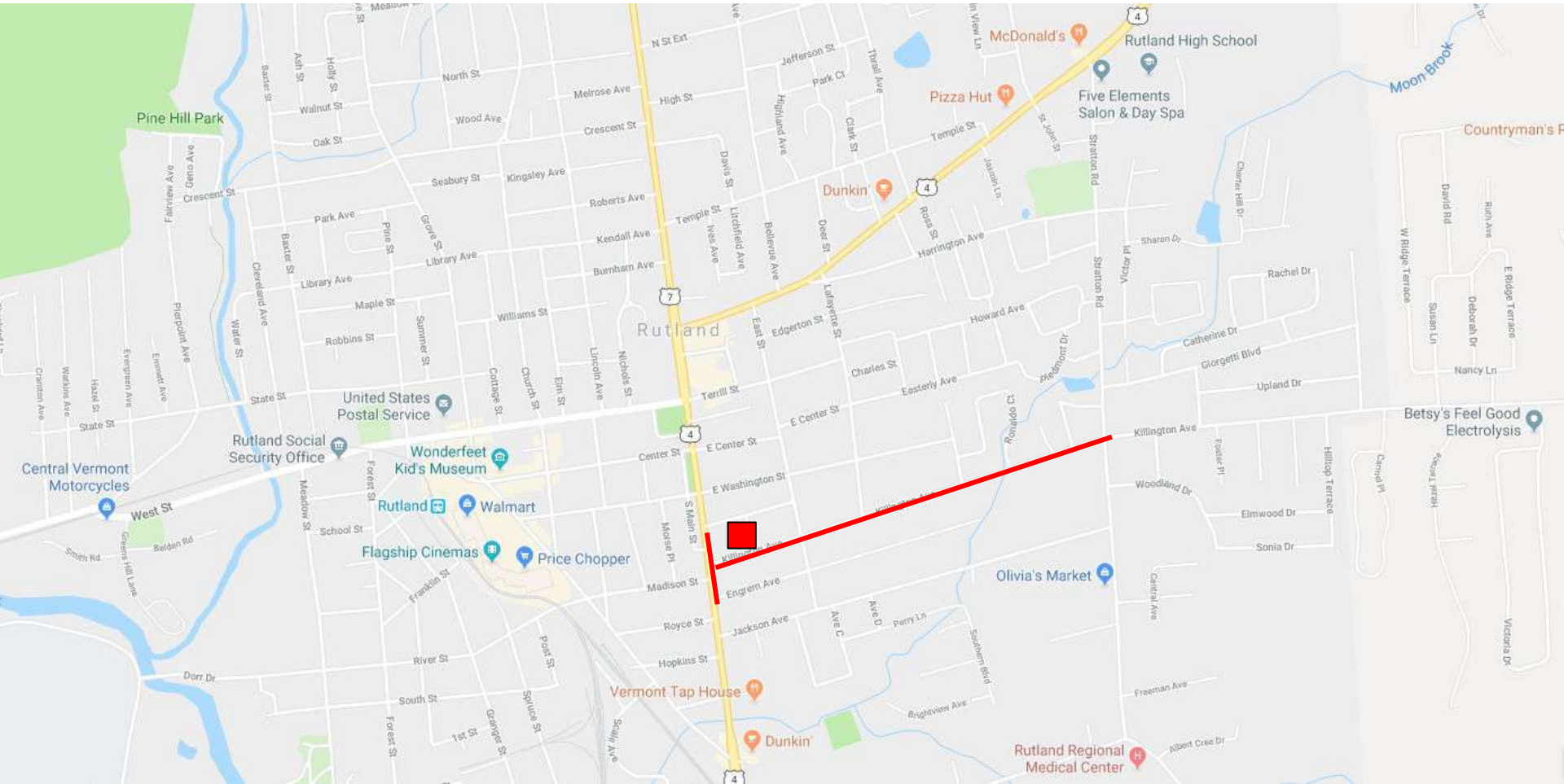
	Car (station wagon, sedans, hatchbacks)	SUV/Minivan	Truck	Totals:
1/25/18 (7:55-8:00)	21 (8)	45 (13)	7 (3)	53 (24- 45% of vehicles arrived within 6 minutes)
1/26/18 (7:50-8:02)	21 (13)	45 (26)	6 (6)	72 (45 – 62% of vehicles arrived within 12 minutes)



# Safe Routes to School - Rutland Pop-up Project



# The Context



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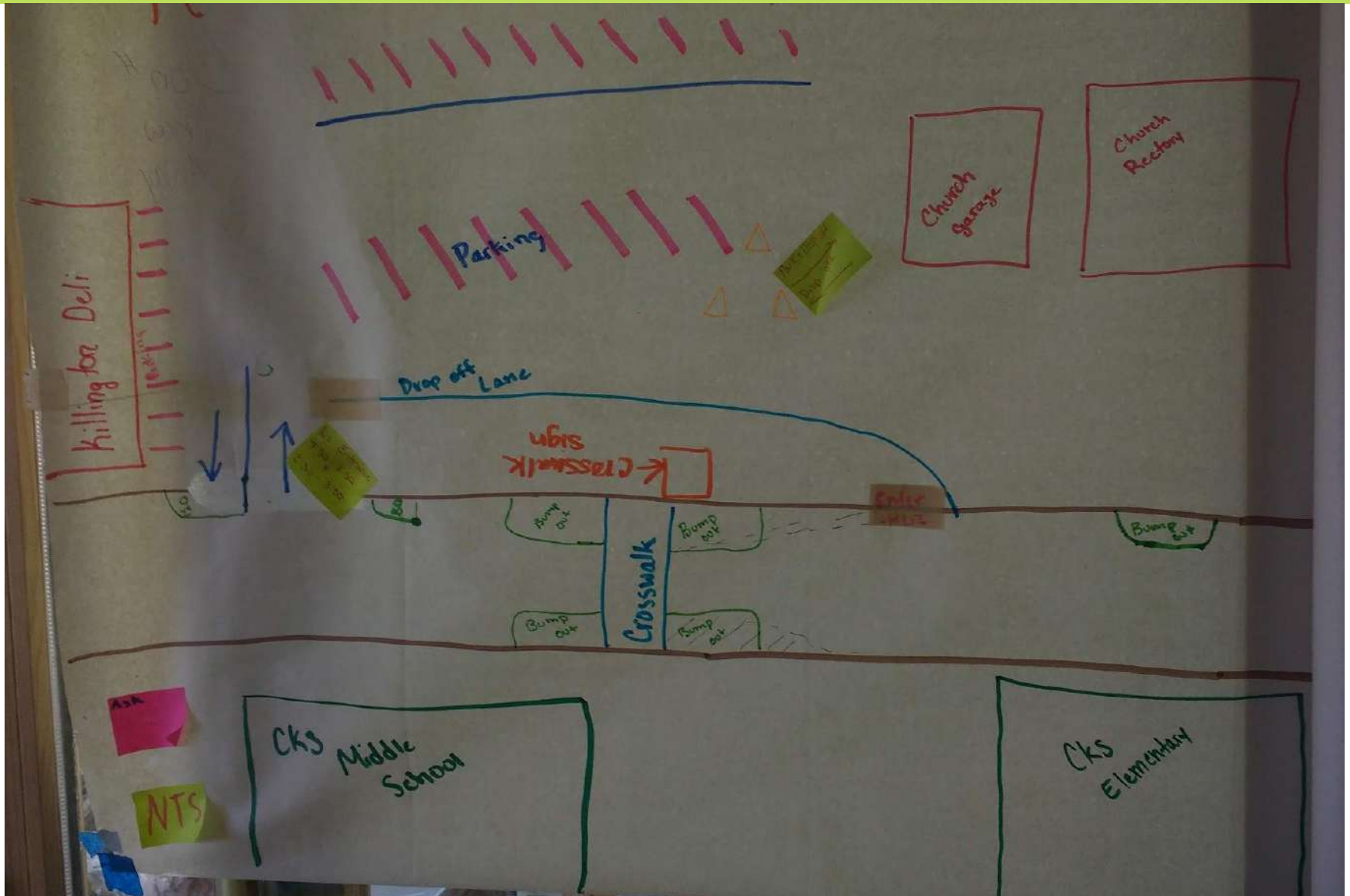


# The Context





# The Solution, v.1



# Designing for Slower Speeds



Re-stripe crosswalks at the intersection of Rt. 7 and Killington Ave, and on Killington Ave between the parking lot and the school entrance to enhance visibility of pedestrians at these crossings.

Add speed tubes and cameras to collect data on traffic volumes and speeds, as well as bike and pedestrian counts.

Add 5 ft painted curb extensions and plastic bollards to either side of the street at the crosswalk by the school entrance and other critical locations to reduce travel lane width to a min. of 12 ft and slow speeds.

Reconfigure the parking lot into two lanes during school drop-off (one for 'car drop off' and one for 'park and walk'). Add a pedestrian walkway through the center and add signage/cones at the entrance to direct drivers into their lanes.

Reduce the width of the parking lot exit to 15 ft to ensure that it is not used as an entrance during school drop-off, but to allow access in and out of the driveway at other times.

## PROPOSED POP-UP DEMONSTRATION PROJECT

**CHRIST THE KING SCHOOL**  
**RUTLAND, VERMONT**  
(KILLINGTON AVENUE BETWEEN ROUTE 7 AND EAST STREET)

Prepared by Local Motion  
June 2018



### Project Description

Christ the King School, in partnership with VEEP and Local Motion, proposes to lead a two-week pop-up demonstration project between August 27th - September 7th, 2018 to improve the safety and efficiency of the school's morning drop-off system.

By re-striping crosswalks and adding temporary curb extensions with spray chalk, as well as reconfiguring the drop-off area, the school and partners hope to improve the street for all users.

### Outreach & Implementation

Students and administrators will engage the school community in the project through a public information session and potluck event in August. Students will design informational brochures to be distributed to partners. Residents on the street will also receive informational flyers.

### Data Collection

Students from Christ the King School, as well as other partners will help collect traffic counts, speed data, and record other observations.

# Getting City Approval



# The Solution, v.1



# Engaging Community Partners



# Engaging Students and Teachers



# Involving Local Artists

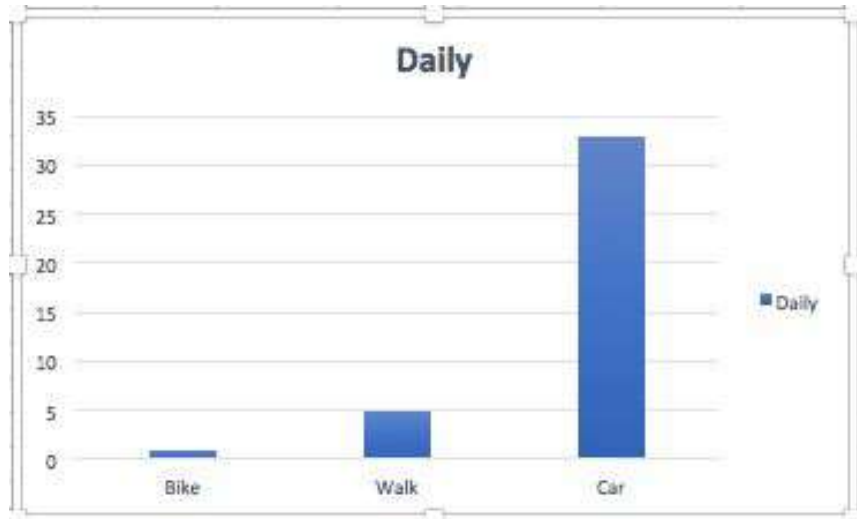


# Getting the Word Out

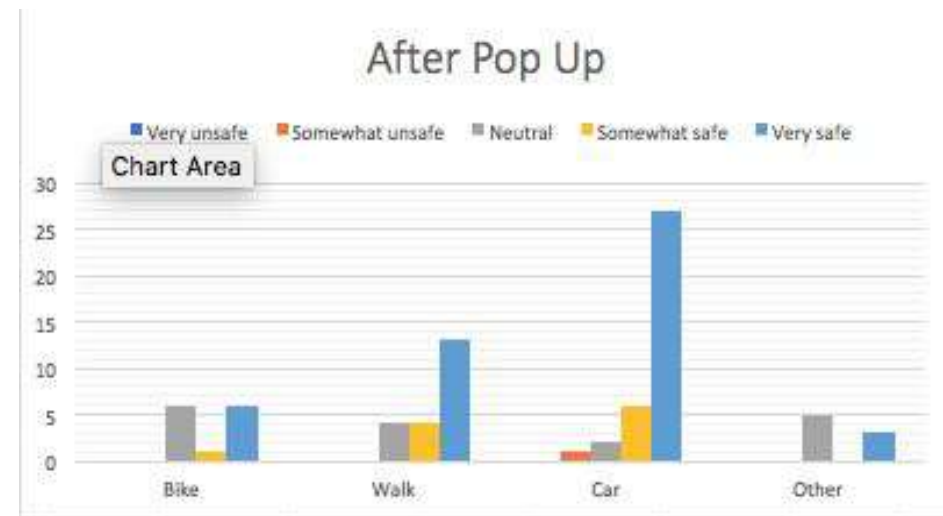
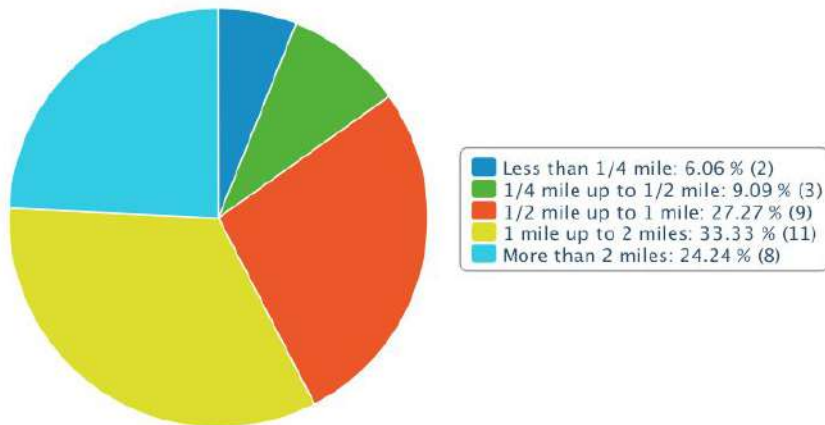




# Gathering Community Input & Data

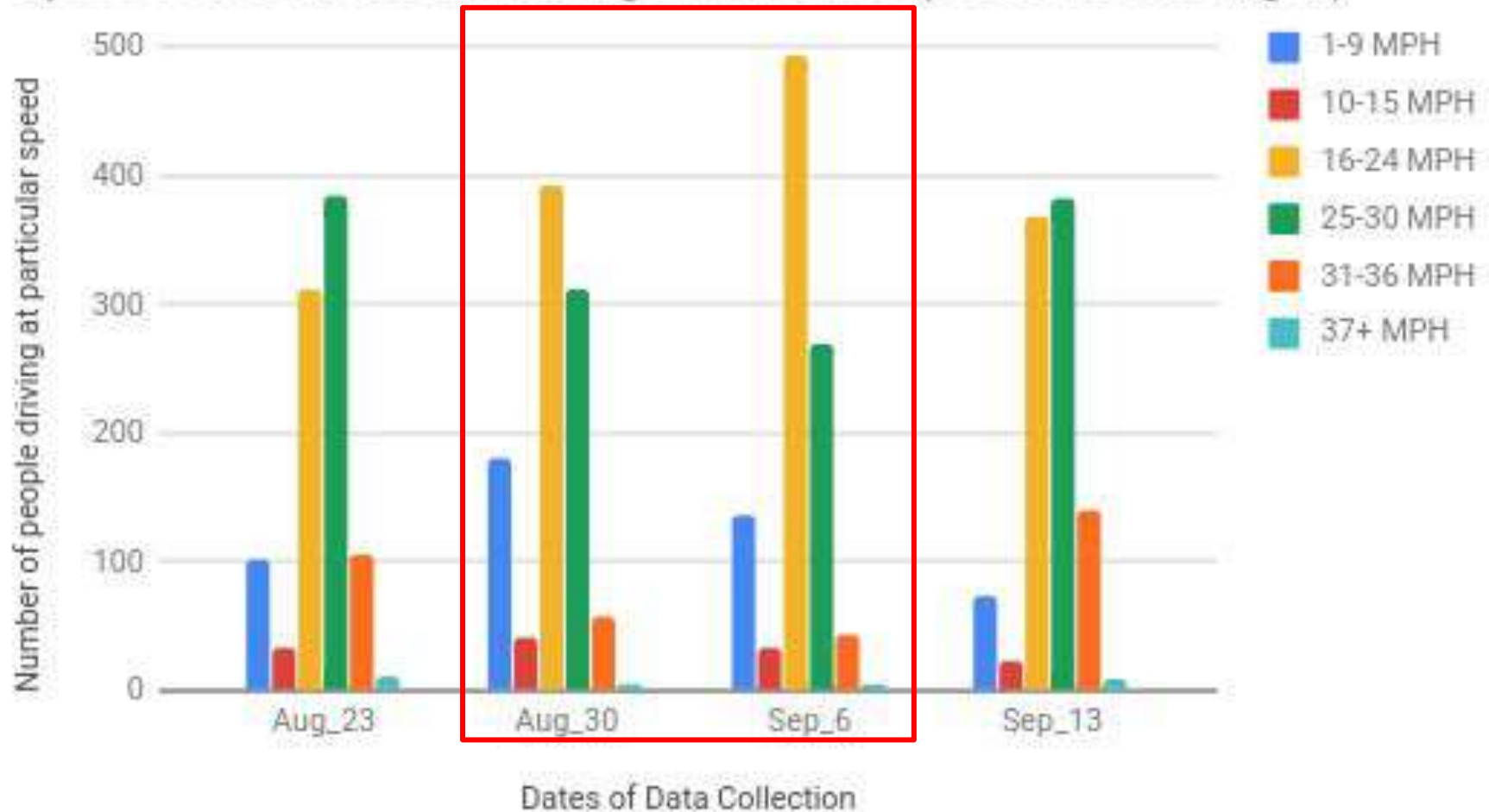


**How far does the child live from school?**



# Gathering Community Input & Data

Speeds of Drivers on Killington Avenue (Noon to Midnight)



# Leading by Example



# Educating the School Community

During the past school year, sixth grade students were invited to design solutions around the morning drop-off procedures on Killington Avenue. With support from Assistant Principal Lila Millard and Vermont Energy Education Program (VEEP) Educator Laura MacLachlan, students observed and documented the challenges with the current drop-off location. In the spring, a smaller group of students reviewed the evidence collected and engineered a solution for morning drop-off procedures including infrastructure changes.

With the help of Allegra Williams, Local Motion Community Technical Assistance Manager, the team produced a plan and presented it to the Rutland Traffic Safety Committee.



Maeve, Arikka and Briana presenting to the Rutland TSC.

If you are in the 7<sup>th</sup> or 8<sup>th</sup> grade and would like to join the team, please contact Maeve, Arikka or Briana.



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Lila Millard,  
 Assistant Principal  
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 60 South Main St.  
 Rutland VT 05701  
 (802)773-0500  
<https://www.cksrutland.org>



## Morning Drop Off Routines

The new policy for  
 Christ the King School



### Bumpouts

- Increase safety for cars and pedestrians.
- Limit street parking

### Drive-thru Lane

- Driver stays in vehicle
- Only students exit vehicle
- Safety Patrol will assist students exiting the vehicle
- Backpacks inside the vehicle NOT the trunk

### New Drop off Choices

- Drivers must choose between Drive Thru, Park and Walk

### Exit ONLY at Killington Deli during the hours of 7:30-8:30 am 2:30-3:30 pm



### Park and Walk Lane

- Driver parks vehicle in parking lot
- Driver can help child(ren) get school things
- Driver can walk child(ren) to school
- Use the parking lot crosswalk

### Parking Lot Crosswalk

Families meet Student Safety Patrol along fence and proceed to Parking Lot Crosswalk

### New Middle School Safety Patrol

- Assist in Drive Thru and Park and Walk Lanes
- Ask cars to pull forward
- Signal for students to get out of vehicles
- Escorting families to the Parking lot crosswalk

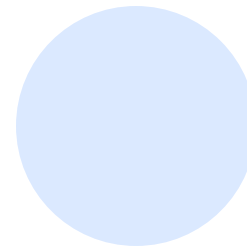
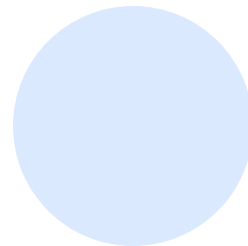
**NO PARKING ON THE STREET. ALL DRIVERS MUST DROP OFF STUDENTS IN THE PARKING LOT.**



# Building Support for Permanent Change



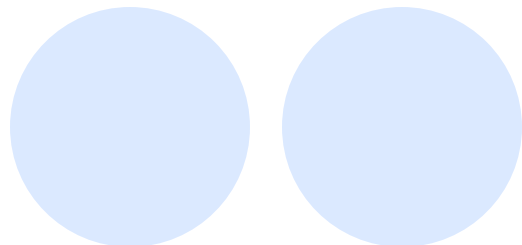
# Building Support for Permanent Change





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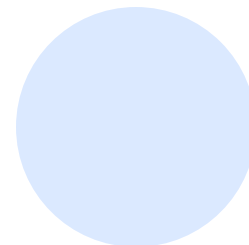
# Successes/Challenges





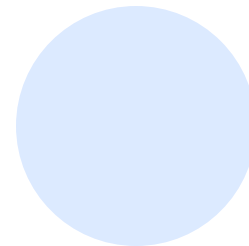
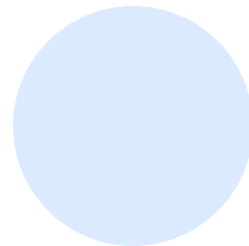
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Thank you  
Maeve MacLachlan



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# Questions?



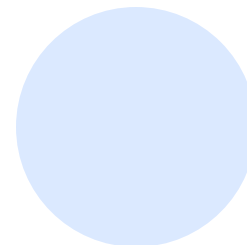
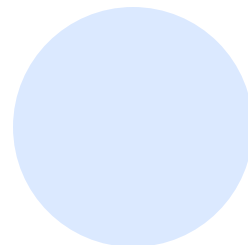
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How does a safe dismissal  
routine from Proctor ES  
impact the environment?



# How does a safe dismissal routine from Proctor ES impact the environment??

1. Dismissal Routines
2. Parking Lot and Traffic
3. Intersections and Traffic
4. Walking, Skateboarding, Bicycling Home
5. Impacts on the Climate



# Emissions Testing Data from Proctor

