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## Procedure

- 9-week experience for each participant
- A-B-A (3-3-3) design
- Data sent remotely to UMTRI
  - No content collected
  - Overrides allowed
- Study Sample
  - 44 participants in final dataset
  - MDOT employees, some with dedicated vehicles





	Software Only Application		
	Monitor 1	Blocking	Monitor 2
Percent of calls made at zero-speed	72.4%	79.1%	73.2%
Unanswered incoming calls (non-zero speed)	0.0%	26.5%	1.4%
<ul> <li>About 27% of calls made v</li> </ul>	while moving	g, down to :	21% with ap

Results: Cell Phone Use Behavior					
	Hardware/Software Application				
	Monitor 1	Blocking	Monitor 2		
Percent of calls made at zero-speed	4.0%	16.0%	1.7%		
Unanswered incoming calls (non-zero speed)	2.5%	50.7%	4.8%		
<ul> <li>Most calls made while mo made when stopped durin</li> </ul>	ving in base g blocking p	line period. eriod	16% of calls		
<ul> <li>Most incoming calls answer blocked during testing, the</li> </ul>	ered in base e rest require	line, 50.7% ed override	o of calls s to answer <sub>13</sub>		



## **Results: User Acceptance**

Participants' least favorite aspect of the application (counts of open-ended responses):

	Overall	SO	H/S
Battery drain	11	11	0
Incoming calls blocked	9	6	3
Inconvenient not being able to make call	5	2	3
General loss of productivity	5	0	5
Have to override often, override diffcult	4	3	1
Can't read email while driving	3	0	3
Had to pull off to call, dangerous	3	0	3
Post-drive blocking latentcy	3	3	1 <b>9</b>











## **Technology State-of-the-Art (2015)**

- Software only:
  - Guardian Angel
    - (New features available Textecution with Autolog)
  - PhonEnforcer
  - Text Arrest
  - TxtBlocker
  - PhoneGuard
  - CellSafety
    - Now "WebSafety"
  - DriveScribe
  - OneProtect
  - SafeCell

- Live2Txt
- Text-STAR
- DriveFirst (Sprint)
- Safely Go (Verizon)
- DriveSmart (T-mobile)
- DriveMode(AT&T)
- DriveOff (Esurance)

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