**Traffic Cameras Guide for Stories**

**Week 1: Planning & Design (Blueprint)**

* Create wireframes and sketches
* Define key features and user flow
* API integration plan
* User personas and accessibility considerations

**Stories:**  
 As a user, I want to see live traffic camera feeds so I can check road conditions.  
As a user, I want an intuitive UI that is easy to navigate.  
As a developer, I need an API integration plan to fetch data from the City of Calgary open data portal.

**Week 2: Core Build (Foundation)**

* Set up MongoDB, Express, React, and Node.js
* Implement backend API calls to fetch live traffic data
* Basic CRUD operations for traffic camera data

**Stories:**  
As a developer, I need to fetch real-time data from the Traffic Cameras API.  
 As an admin, I need CRUD functionality to manage traffic camera data.  
As a user, I want to filter traffic cameras by location.

**Week 3: Interactivity & Responsiveness (Framing)**

* Implement navigation, buttons, and interactive features
* Make the app responsive across devices
* Add error handling and input validation

**Stories:**  
 As a user, I want smooth navigation to different city zones.  
As a user, I want a responsive layout on mobile, tablet, and desktop.  
As a user, I want to receive a message when the API request fails.

**Week 4: Design & Visual Presentation (Facade)**

* Finalize branding, colors, and layout
* Improve UI with animations and transitions
* Implement dark mode

**Stories:**  
As a user, I want a visually appealing UI with branding.  
As a user, I want a dark mode toggle.  
 As a user, I want a clean map interface showing traffic camera locations.

**Week 5: Content & User Experience (Interior Detailing)**

* Implement additional data displays and insights
* Optimize database queries
* Add real-time updates

**Stories:**  
As a user, I want to see peak traffic times for specific areas.  
 As a user, I want personalized recommendations based on my commute.  
As a developer, I want optimized queries for fast loading times.

**Week 6: Final Testing & Deployment**

* Debugging and performance optimizations
* Deploy app and prepare for Demo Day
* Gather user feedback and make final tweaks

**Stories:**  
As a developer, I want the app to be optimized for performance.  
As a user, I want a seamless experience with no bugs.  
As a team, we want to successfully present our project on Demo Day.