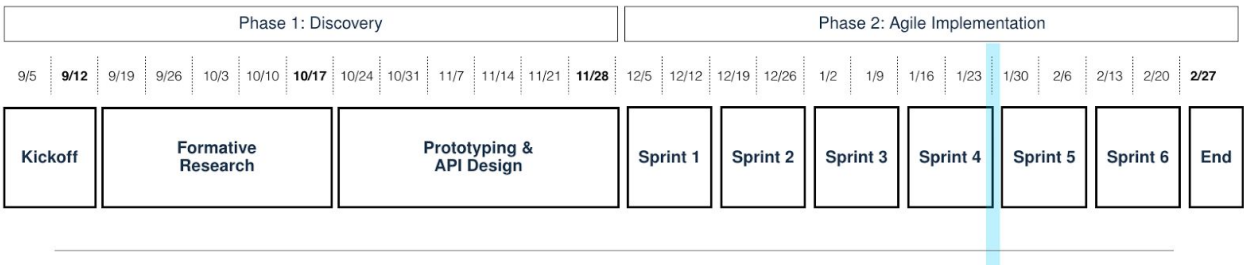**FBI Crime Data Explorer**

Status Report (1/30)

18F

Project plan

The project team has outlined a two-part approach for designing, building, and deploying the Crime Data Explorer (CDE). Part 1 will focus on establishing parameters and identifying priorities for the minimum viable product (MVP). Part 2 will focus on implementing features based on the resulting product roadmap and ongoing user and stakeholder feedback.

Phase 1: Discovery													Phase 2: Agile Implementation												
9/5	**9/12**	9/19	9/26	10/3	10/10	**10/17**	10/24	10/31	11/7	11/14	11/21	**11/28**	12/5	12/12	12/19	12/26	1/2	1/9	1/16	1/23	1/30	2/6	2/13	2/20	**2/27**	
Kickoff	Formative Research				Prototyping & API Design								Sprint 1		Sprint 2		Sprint 3		Sprint 4		Sprint 5		Sprint 6		End	

Overall progress will be communicated through these status reports and weekly check-ins with the FBI project core team.

Executive Summary of Activities:

This week 18F will complete Sprint 4 and start Sprint 5. Sprint 4 focused on the following items:

- Adding a homepage that allows users to learn about the CDE and navigate to data by location and crime type.
- Making refinements to the visual design and organization of the explorer view based on earlier user feedback. Specifically, the team sought to simplify how time ranges are used in navigation and clarify how SRS & NIBRS data is used to power charts within the view.
- Continued integration of the design and its supporting API to enable the dynamic display of data based on a user's query.
- Developing new content that may be programmatically displayed based on the parameters of a query.
- Some refactoring of the code base to improve performance and its maintainability, as well as the addition of automated testing for improved cross-browser support.

In addition to the aforementioned, the team made significant progress with the documentation and security assessments required to secure a GSA-issued 90-day LATO. Overall, the project remains on track for a March release, at which time the MVP may be released to selected members of law enforcement and the general public as part of "beta-testing." This beta testing, or limited release, will provide essential feedback that helps mitigate the risk associated with launching a new digital product to the general public.

While the specifics of our next sprint will depend, in part on the results of Tuesday's testing, likely focal areas will include:

- Complete major integration work
- Enable users to view and download selected aspects of UCR data
- Add a mechanism to allow for the collection of user feedback
- Incorporate design and usability testing feedback
- Provide documentation for use of the API

Product Backlog through March:

GETTING TO AN MVP

In December, 2016 18F presented its findings from the discovery phase of the project and outlined a vision for the CDE MVP, with the expectation being that the product would continue to evolve after an initial release based on ongoing user and stakeholder feedback. *This vision calls for a flexible solution that allows law enforcement and the general public to explore SRS & NIBRS data at the national and state levels, while provide access to additional details through downloads and an API service.*

The team's current focus is on implementing the features and functionality needed for this first release in March, 2017. While our research has uncovered many opportunities for the CDE, our immediate focus is on delivering a "quick win" that meets core user and business needs and sets the stage for shaping an end to end system.

Sprint	Tasks
Sprint 1 (12/7-12/20)	-Put technical foundation in place -Ready preliminary designs
Sprint 2 (12/21-1/3)	-Explore data download experience -Prepare core ATO documentation
Sprint 3 (1/4-1/17)	-Build UI framework and navigational structure for the Explorer View
Sprint 4 (1/18-1/31)	-Build Homepage -Refine Explorer View -Develop context and caveats for results
Sprint 5 (2/1-2/14)	-Complete major integration work -Add "about the data" section -Enable data downloads -API documentation
Sprint 6 (2/15-2/28)	-Minor enhancements -Prepare for launch

Product Roadmap:

HIGH-LEVEL PRODUCT ROADMAP

NOW (MVP)	SOON (POST LAUNCH)	FUTURE
View summary trends and incident data for major offenses at the national and state levels.	Expand the "explorer view" to include more granular geographical perspectives, such as counties. Consider adding new offenses.	Assist in the migration of content from the existing UCR website to the CDE.
View programmatically-generated content that provides context for results.	Explore opportunities for tighter integration of the CDE & new UCR to facilitate more frequent data updates.	Explore opportunities to include additional datasets that were not a focus of the MVP.
Download and share results.	Expand capabilities to search for and download pre-prepared data sets. Consider the value of a custom report builder.	Explore ways to elevate the role of NIBRS data in the CDE, as the volume of IBR improves
Access additional details and data through select downloads and the API.	Create a tool that allows users to provide feedback about the CDE & file reports about data quality issues.	Explore the value and key characteristics of a potential content management system (CMS).

Open Issues:

The following items may require action from the FBI core team in order to resolve:

- Larry to coordinate with the FBI team regarding the specifics of this week's usability testing and sprint planning.
- Larry to coordinate with Sammy to schedule a project briefing and demo of the CDE for Amy Blasher.
- Larry to coordinate with Sammy to schedule a content review session with Jim Noonan.

Key Risks

- **Managing expectations:** There are many stakeholders involved in this project and different perspectives on what the CDE should do and why. Aligning around what is both feasible and of highest value to users will be key to achieving the best possible result and managing expectations going forward.

- **Limited opportunity:** The CDE is limited to *presenting* the data that's available from the FBI. It will not directly affect the volume, quality, or timeliness of the data it displays.

- **Dealing with uncertainty:** There is uncertainty around what data will be available, what it can support, and how it will be updated.

- **Agile, user-centered design, and open data:** 18F works in ways that are new to the FBI and may present organizational and cultural challenges.

- **Providing visibility around decision-making and approval:** How might shared responsibilities among the project core team, the FBI's ATO process and the Office of Public Affairs influence our ability to make decisions in a timely manner?