ID	Task Name	Notes	Duration (Days)	Start	Finish
1	Adaptation of Existing Camera technology into portable systems		40	2/4/2018	26/5/2018
1a	System design - Looking at existinig hardware archtiecture and redesign connectors, wiring and power supply, etc.		10	2/4/2018	14/4/2018
1b	Design and manufacture of new camera houses & mounting	Utilise 3d printing technology to create smaller cameras enclosures	10	2/4/2018	14/4/2018
1c	Source and trial latest digital camera technology	Try and get them on trial rather buy - reduce capital cost	40	2/4/2018	26/5/2018
2	Design portable data storage systems and robust battery power system		40	2/4/2018	26/5/2018
2a	Research		15	2/4/2018	21/4/2018
2b	Trial - soak test in live environment		30	16/4/2018	26/5/2018
2c	Implementation		10	28/5/2018	9/6/2018
3	Design and develop automated upload system to central server		160	30/4/2018	8/12/2018
3a	Use existing upload technology and adapt the application	Our experience shows that this will be the most challenging areas. Authorities might need to install broadband and access points.	160	30/4/2018	8/12/2018
4	Develop a robust wireless backhaul via wireless communications systems to transmit data from the inspection vehicle to a central online server		175	2/4/2018	1/12/2018
4a	Take existing technology and make it more portable		175	2/4/2018	1/12/2018
5	Develop a system for managing the most effective routing the video inspection system.		135	16/4/2018	20/10/2018
5a	Routing - input from lead authority	Consultant with Tier 1 authorities and build routes inline with new COP	10	16/4/2018	28/4/2018
5b	GIS development work		120	30/4/2018	13/10/2018
5c	Input from insurance companies	Talk to insurance companies to ensure robustness (meetings during the development work)	5	15/10/2018	20/10/2018
6	Create a web-based visualisation system of the progress / coverage of the inspection in real-time or near real-time.		160	28/5/2018	4/1/2019
6a	User group meetings, etc	Discussions with user groups to understand their requirements (meetings with user group)	4		
6b	Build on existing technology stack	Use existing technology and further develop to allow real time coverage	160	28/5/2018	4/1/2019
7	Design the data inspection tools for desktop inspection of the field data		120	23/7/2018	4/1/2019
7a	Design		40	23/7/2018	15/9/2018
7b	Build		40	17/9/2018	10/11/2018
7c	Test	Constant	40	12/11/2018	4/1/2019
8	Develop a robust and auditable reporting process		60	15/10/2018	4/1/2019
8a	Design & develop process		20	15/10/2018	10/11/2018
8b	Build & Test		40	12/11/2018	4/1/2019
9	Develop a robust and auditable 'request for action' system and feedback system.		80	10/12/2018	29/3/2019
9a	Design		20	10/12/2018	4/1/2019
9b	Build & Test		60	7/1/2019	29/3/2019
10	Roll out to Tier 2 Authorities		5	1/4/2019	6/4/2019
11	Tier 1 Meetings		7		
12	Tier 2 Meetings		4		