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**		