

**Duty to Investigate
On-going section 19 Investigations**

Lincolnshire County Council Section 19 Investigations										Identified Action/Works				
Date of Incident	Location	Town	Division	Contact Officer	Description of Flooding	No of Properties internally Flooded	Risk Management Authorities with Responsibilities and whether they are exercising functions	Actions and Recommendations	Consideration for inclusion in future Common Works Programme	Proposed Action/Works	Promoter	Status	Estimated Timescales	S19 Report File Reference
28-Jun-12	East Street and Stanhope Road Area	Horncastle	East	Dean Myhill Area Highways Manager East Division Northern Area	Extreme rainfall (estimated to be a 1 in 50 year event) caused overland and highway surface water flows to collect at the low area of East Street and Stanhope Road. The extreme rainfall overwhelmed the highway drainage system which was also suffering from surcharged outfalls due to high river levels.	2	LCC - Yes	LCC has undertaken a CCTV survey of the highway drainage system in the area which has identified some minor defects and obstructions which will be addressed. LCC has also undertaken initial modelling work to help understand and assess the surface water flood risk in Horncastle. A further meeting with Anglian Water is to be arranged, and a bid for an overall surface water study for Horncastle is being submitted by LCC.	Yes	A bid for an overall surface water study for Horncastle has been submitted with feasibility and design programmed for 2014/15 if approved; works to be programmed 2015/16/17.	LCC AW	On-going	2014 & 2015 - 2017	S19-001
28-Jun-12	West Street	Horncastle	East	Dean Myhill Area Highways Manager East Division Northern Area	Extreme rainfall (estimated to be a 1 in 50 year event) caused significant overland flows from the adjacent school field, hillside and Lincoln Road. The surface water collected at the bottom of the hill causing flooding to the Grammar School and adjacent properties in West Street.	3	LCC - Yes Anglian Water - Yes	LCC has undertaken a check of the highway drainage system in West Street and has cleaned out a number of gullies and removed the blockages. LCC has also undertaken initial modelling work to help understand and assess surface water flood risk in Horncastle. A bid for an overall surface water study for Horncastle is being submitted by LCC.	Yes	Blockages removed and gas main relocated. A bid for an overall surface water study for Horncastle has been submitted with feasibility and design programmed for 2014/15 if approved; works to be programmed 2015/16/17.	LCC	On-going	2014 & 2015 - 2017	S19-002
28-Jun-12	South Street and Bull Ring	Horncastle	East	Dean Myhill Area Highways Manager East Division Northern Area	Extreme rainfall (estimated to be a 1 in 50 year event) caused overland and highway surface water flows to collect at the low area of the Bull Ring and South Street overwhelming the Anglian Water sewer systems; which were also suffering from surcharged outfalls due to high river levels.	3	Anglian Water - Yes LCC - Yes	Whilst the flooding was caused by extreme rainfall and overland flows, LCC has undertaken a CCTV survey of the underground surface water systems. This has revealed a number of condition concerns in relation to a brick culvert system owned by Anglian Water. The report has been passed to Anglian Water in order that they consider future action and repairs. LCC has in addition carried out repairs to gullies and connections in South Street. LCC has also undertaken initial modelling work to help understand and assess surface water flood risk in Horncastle. A bid for an overall surface water study for Horncastle is being submitted by LCC. Anglian Water works to clear blockages have been completed. Planned Environment Agency works regarding outfall issues and river levels may reduce flood risk.	Yes	LCC gullies and system checked and repaired. Anglian Water checking surface water systems and may consider improvement works in future asset management plans. Feasibility and design programmed for 2014/15 and if approved; works to progress in 2015/16/17.	LCC	On-going	2014 & 2015 - 2017	S19-003
28-Jun-12	Langton Hill	Horncastle	East	Dean Myhill Area Highways Manager East Division Northern Area	Extreme rainfall (estimated to be a 1 in 50 year event) caused significant overland flows from the adjacent hillside and agricultural land, which was not contained by the interceptor ditch. Combined overland and highway surface water overwhelmed both the highway and surface water sewer drainage systems on Langton Hill and West Street, and caused flooding at the bottom of the hill.	3	LCC - Yes Anglian Water - Yes Witham 3rd IDB - Yes	A full drainage survey has been carried out and significant blockages have been removed from both the highway drains and Anglian Water's surface water sewers. The survey has identified a number of areas of damage to both systems. LCC has repaired the highway drainage system, and the survey has been forwarded to Anglian Water for assessment of their surface water sewers. The Witham 3rd Internal Drainage Board is ensuring that ditches are cleared by respective riparian land owners.	Yes	Highway drainage system repaired and functioning. Anglian Water checked the surface water system and it is working acceptably. Initial works delivered. A bid for an overall surface water study for Horncastle has been submitted with feasibility and design programmed for 2014/15 if approved; works to be programmed 2015/16/17.	LCC	On-going	2014 & 2015 - 2017	S19-004
28-Jun-12	Mark Avenue, Accommodation Road and Prospect Street	Horncastle	East	Dean Myhill Area Highways Manager East Division Northern Area	Extreme rainfall (estimated to be a 1 in 50 year event) caused significant overland flows from the adjacent hillside and agricultural land. This was exacerbated by the interceptor ditch being restricted at its entrance to the culvert system, which caused flooding to properties in Mark Avenue, Accommodation Road and Prospect Street.	14	Anglian Water - Yes Witham 3rd IDB - Yes East Lindsey District Council - Yes	Whilst the flooding was caused by extreme rainfall and flows from adjacent land, investigations revealed an intercepting ditch which flows into a culverted watercourse which is shown on Anglian Waters records. East Lindsey District Council has cleared the culvert and trash screen. LCC has also undertaken initial modelling work to help understand and assess surface water flood risk in Horncastle. Ditches cleaned out and discussions are ongoing between Anglian Water and Witham 3rd Internal Drainage Board regarding ownership. A bid for an overall surface water study for Horncastle is being submitted by LCC.	Yes	Ditches cleaned out. Discussions ongoing between Anglian Water and Witham 3rd IDB regarding ownership. A bid for an overall surface water study for Horncastle has been submitted with feasibility and design programmed for 2014/15 if approved; works to be programmed 2015/16/17.	LCC AW Witham 3rd IDB	On-going	2014 & 2015 - 2017	S19-005
28-Jun-12	Bowl Alley Lane	Horncastle	East	Andy Ratcliffe Area Highways Manager East Division Southern Area	Extreme rainfall (estimated to be a 1 in 50 year event) caused significant overland flows from the adjacent school field and Bowl Alley Lane. The surface water collected at the lowest point causing flooding to the adjacent properties in Bowl Alley Lane.	3	Anglian Water - Yes LCC - Yes	Whilst the flooding was caused by extreme rainfall and overland flows, LCC has undertaken a CCTV survey of the underground surface water systems in the area. This has revealed a number of condition concerns in relation to the system owned by Anglian Water. The report has been passed to Anglian Water and future discussions will be undertaken in order that it considers future action and repairs. In addition, LCC is planning to install additional drainage protection features in front of the affected properties, and is in discussion with the school with respect to intercepting flows from the school car park. A bid for an overall surface water study for Horncastle is being submitted by LCC.	Yes	Partnership scheme developed between LCC Highways, Education, AW and initial work delivered. A bid for an overall surface water study for Horncastle has been submitted with feasibility and design programmed for 2014/15 if approved; works to be programmed 2015/16/17.	LCC AW	On-going	2014 & 2015 - 2017	S19-006
28-Jun-12	Main Road/Station Row	New Bolingbrooke	East	Andy Ratcliffe Area Highways Manager East Division Southern Area	Extreme rainfall (estimated to be a 1 in 40 year event) caused highway surface water flows to collect in the low area of Main Road/Station Row overwhelming the highway drainage system in the footway.	7	LCC - Yes	LCC has investigated the drainage and found blockages/damage due to buildings and tree roots. A solution to rectify the damage is being designed and costed.	No	Dropped kerbs outside the post office replaced with full height kerbs. Drainage system found to be damaged by buildings/trees and a new outfall is required. Solution being designed and costed.	LCC	Design / Feasibility/ works	2014 - 2016	S19-007
28-Jun-12	Horncastle Road adjacent to the old railway line	Roughton Moor	East	Andy Ratcliffe Area Highways Manager East Division Southern Area	Metalling works to the Spa Trail has affected the natural overland flow routes. This has caused surface water to be trapped on the south side of the trail, which has caused flooding to one property.	1	LCC - Yes	Temporary relief trench has been cut and boarded. LCC designing a solution as Spa Trail upgrade has affected the natural overland flow path.	No	LCC has carried out remedial works to reduce flood risk to properties by the installation of a cross drain.	LCC	Completed	Complete Autum 2012	S19-008

**Duty to Investigate
On-going section 19 Investigations**

Lincolnshire County Council Section 19 Investigations										Identified Action/Works				
Date of Incident	Location	Town	Division	Contact Officer	Description of Flooding	No of Properties internally Flooded	Risk Management Authorities with Responsibilities and whether they are exercising functions	Actions and Recommendations	Consideration for inclusion in future Common Works Programme	Proposed Action/Works	Promoter	Status	Estimated Timescales	S19 Report File Reference
28-Jun-12	Sunningdale Close	Skegness	East	Andy Ratcliffe Area Highways Manager East Division Southern Area	Extreme rainfall caused highway surface water flows to bypass kerb gullies and collect in the low area of Sunningdale Close. Overland flows from the rear of the houses also contributed to the flooding.	4	LCC - Yes Anglian Water - Yes East Lindsey District Council - Yes	East Lindsey District Council has installed new gullies and connections which discharge into the Anglian Water surface water system (the capacity of which has been checked and found to be acceptable).	No	Capacity issues checked and found to be acceptable; ELDC installed new gullies.	ELDC	Completed	Complete Autumn 2013	S19-009
28-Jun-12	Ings Lane	Toynton St Peter	East	Andy Ratcliffe Area Highways Manager East Division Southern Area	Extreme rainfall caused overland flows to surcharge a number of watercourses in the area resulting in flooding to a low lying property in Ings Lane.	1	Witham 4th IDB - Yes LCC - Yes	It is recommended that a new watercourse be cut to the south to divert flows from Toynton St Peter away from the flooded property. Witham 4th Internal Drainage Board is considering a scheme. However, this is likely to be a low priority due to the cost, legal issues and minimal benefits.	Yes	Witham 4th IDB considering a capital scheme submission with possible upgrading/realigning of drains in the area. Investigation works programmed for 2016/17/18. Possible works 2018/19/20.	Witham 4th IDB	On-going	Investigation 2016/17/18 Possible works 2018/19/20	S19-010
28-Jun-12	Albany Road	Woodhall Spa	East	Andy Ratcliffe Area Highways Manager East Division Southern Area	Heavy rainfall caused surcharging of the highway drainage system (which flows into Tattershall Road) causing backflow into Albany Road. This, together with the flows collected from Albany Road, were unable to enter the watercourse crossing Albany Road and the watercourse to the rear of Witham Road. This is due to a combination of blocked watercourses and partially blocked culvert crossing Albany Road.	5	Witham 3rd IDB - Yes LCC - Yes	Witham 3rd Internal Drainage Board has instructed a developer to clear the ditches to the rear of Witham Road, and leading to the culvert crossing Albany Road. LCC has cleared the culvert from its outfall to Albany Road and are investigating the short section of culvert under Albany Road with a view to upsizing (feasibility and design in progress). In addition, LCC plan to install a new section of pipe work and gullies outside the affected properties to drain to the culvert. Residents have also cleared the ditch to the south of Albany Road.	No	Culvert designed by LCC. Works due to start on site 23rd June 2014 to install a new culvert	LCC	Completed	Complete Summer 2014	S19-011
29-Jun-12	The Esplanade	Chapel St Leonards	East	Andy Ratcliffe Area Highways Manager East Division Southern Area	Surcharging from the highway drainage system due to blockages within the system, root ingress and possible concerns over the number of gullies.	2	LCC - Yes	LCC has investigated the highway drainage system and undertaken a CCTV survey which indicates blockages and root infestation. Gullies and connections have been jetted. Further work is planned to clear roots and blockages within the system, and install additional gullies. The improvements are currently being designed and costed.	No	Work being designed and costed	LCC	On-going	Design 2014/15	S19-012
28-Jun-12	Fairfield Avenue	Chapel St Leonards	East	Dean Myhill Area Highways Manager East Division Northern Area	Surcharging of Anglian Water surface water system due to displaced pipe work, and possible concerns over capacity.	1	Anglian Water - Yes	AW to complete repair works to the displaced pipework. It is recommended that AW carry out further work to ascertain the existing capacities of the system and if any further mitigation measure is required.	No	All works completed Nov 2013	LCC	Completed	Complete Winter 2013	S19-013
28-Jun-12	Main Road	Saltfleet	East	Dean Myhill Area Highways Manager East Division Northern Area	Soil and vegetable matter washing into the channel in front of the property causing blockage to the adjacent gully.	1	LCC - Yes	LCC to carry out work to trim and harden the verge to prevent future siltation and blockages of the channel and gully.	No	Works completed Nov 2013	LCC	Completed	Complete Winter 2013	S19-014
29-Jun-12	Pump Lane	Saltfleet	East	Dean Myhill Area Highways Manager East Division Northern Area	Overland and highway surface water flows entering low lying property due to collapsed and silted surface water drainage system.	1	East Lindsey District Council - Yes	ELDC has investigated the surface water system and installed a new manhole enabling access, and will cleanse and repair the current system. This will include installing new gullies.	No	All work completed Nov 2013	ELDC	Completed	Complete Winter 2013	S19-015
28 Jun 12 6 Jul 12	Riverhead Terrace, Louth	Louth	East	Andrew Ratcliffe Area Highways Manager East Division Northern Area	During heavy rainfall (estimated to be a 1 in 60 year event) flooding took place in Riverhead Terrace due to overland flows from adjacent Riverhead development, and flows from the Terrace area being unable to escape.	9	East Lindsey District Council - Yes Anglian Water - Yes	Development has taken place to the east and north of Riverhead Terrace, which is partially complete. The new development is significantly higher than the Terrace, and has severed the natural drainage and flow routes from Riverhead Terrace, such that surface water from the Terrace and land to the north is trapped against the new development. The only means of surface water disposal from Riverhead Terrace is now via a combined gravity system with an assisted foul pumping station. The pumping station was installed, subsequent to development, at the east of Riverhead Terrace. It is unlikely that this foul pumping station will have the capacity to deal with surface water flows from Riverhead Terrace and its catchment area. The new development is to be drained by Anglian Water foul and surface water sewer systems and also involves the culverting of a watercourse which previously drained the land to the north and east of the Terrace. Due to the elevation of the new development the plans included a retaining wall at its junction with Riverhead Terrace. However, this was not constructed at the time of the flooding. In addition, a number of planned road gullies at the western end of the development were not installed and others were blocked. This added to the problems in the Terrace by allowing flows from the higher development to cascade down into Riverhead Terrace. Since the summer ELDC have required the developer to complete the retaining wall, install the missing gullies, and clean out the surface water sewer system, which should mitigate the overland flows from the development. However, there remains a significant issue in that the development has severed the natural drainage and flow routes from Riverhead Terrace, such that surface water from the Terrace and land to the north are trapped against the retaining wall and the raised development. East Lindsey District Council has commissioned a study which has commenced. Survey complete and study undertaken to identify issues and solutions. Anglian Water has undertaken further investigation with potential for a grant aid bid.	No	ELDC commissioned a hydrological study in April 2013 which is now complete. The report makes a number of recommendations - the most significant being to install a much larger AW pumping station. AW to make a scheme submission as part of their Price Review 14 process. Works have commenced (Aug 2014) into the upgrade of the sewer system. Work to be carried out in two phases, first being Ramsgate Road Area and then Phase two to include improvements to the Riverhead Area. All works to be completed by the end April 2015.	AW ELDC	On-going	Completion due Summer 2015	S19-016

**Duty to Investigate
On-going section 19 Investigations**

Lincolnshire County Council Section 19 Investigations										Identified Action/Works				
Date of Incident	Location	Town	Division	Contact Officer	Description of Flooding	No of Properties internally Flooded	Risk Management Authorities with Responsibilities and whether they are exercising functions	Actions and Recommendations	Consideration for inclusion in future Common Works Programme	Proposed Action/Works	Promoter	Status	Estimated Timescales	S19 Report File Reference
28-Jun-12	Station Road	Wainfleet	East	Andrew Ratcliffe Area Highways Manager East Division Southern Area	Internal flooding to four properties, during intense rainfall, due to inoperative highway drainage system. This was caused by damage from utility companies and the outfall/ditch not being maintained.	4	LCC - Yes	LCC should clean all gullies and restore the highway drainage system and ensure these are running efficiently to the River Steeping. Further monitoring should be carried out.	No	LCC have cleaned all gullies, restored the highway drainage system and ensured they are running efficiently to the River Steeping - further monitoring to be carried out	LCC	On-going	Spring 2015	S19-017
28-Jun-12	Sunningdale Drive	Skegness	East	Andrew Ratcliffe Area Highways Manager East Division Southern Area	Intense rainfall overwhelmed AW surface water sewer system causing internal flooding to one property.	1	Anglian Water - Yes	Investigations by AW discovered three blockages/damage to the main surface water sewer on Sunningdale Drive, due to incursions from other utility companies.	No	Blockage/damages have now been addressed by AW and the private drainage system cleared. AW has applied for funding to CCTV survey the remainder of the system.	AW	On-going	Spring 2015	S19-018
28-Jun-12	Station Road	Firsby	East	Andrew Ratcliffe Area Highways Manager East Division Southern Area	Following intense rainfall, water from the B1195 Station Road passed over a covered highway gully down the drive of, and flooded, a residential property.	1	LCC - Yes	LCC has uncovered the gully, and the resident advised to consider providing drainage to the front of their property, to increase protection. LCC to consider raising kerbs.	No	Defective gully uncovered and all work carried out.	LCC	Completed	Complete	S19-019
28-Jun-12	Shop Lane	Goulceby	East	Dean Myhill Area Highways Manager East Division Northern Area	Overland flows from the adjacent hillside and agricultural land has been exacerbated by the overgrown/silted interceptor ditch, and the inlet to the culvert system being restricted by debris and silt. The combined flows caused flooding to a property opposite which is lower than the restricted culvert/ditch system.	1	LCC - Yes	During and following the incident, the ditch underwent some clearance work by the resident of the flooded property. Witham 3rd IDB to ensure regular effective maintenance to the riparian ditch to the north of Shop Lane.	No	All works completed Nov 2013	Witham 3rd IDB LCC	Completed	Complete Winter 2013	S19-020
28-Jun-12	Brick Yard Lane	Hundleby	East	Andrew Ratcliffe Area Highways Manager East Division Southern Area	Overland flows from agricultural land surcharged culvert under Brick Yard Lane (reported 9th May 2013 by IDB) which is a private road	1	LCC - Yes	It's recommended that the 300mm dia culvert under Brickyard Lane be checked for condition and cleared by the private owner. Consideration may be given to installing a larger culvert - this would require consent from Witham 4 IDB. All unmaintained ditches should be cleared out.	No	Recomendations provided to Riparian owner	LCC	Completed	Complete	S19-021
06-Jul-12	Croft Bank	Croft	East	Andy Ratcliffe Area Highways Manager East Division Southern Area	Overland and highway surface water flows entering property access due to low kerb threshold.	1	LCC - Yes	LCC to investigate and undertake reshaping works to divert flows away from the property access.	No	LCC have investigated and undertaken reshaping works to divert flows away from property access.	LCC	Completed	Complete Winter 2013	S19-022
06-Jul-12	Mumby Road	Huttoft	East	Andy Ratcliffe Area Highways Manager East Division Southern Area	Overland and highway surface water flows entering low lying property due to suspected lack of capacity in the surrounding highway drainage system.	1	LCC - Yes	LCC have investigated the drainage system and will raise kerbs and install new gullies. LCC is awaiting funding availability prior to carrying out the works.	No	LCC to install new gullies and raised kerbs	LCC	Completed	Complete Sept 2013	S19-023
06-Jul-12	High Street	Burgh Le Marsh	East	Andy Ratcliffe Area Highways Manager East Division Southern Area	Overland and highway surface water flows entering low lying property due to suspected lack of capacity and defects in the surrounding highway drainage system, despite previous kerbing works aimed to mitigate problem.	1	LCC - Yes	LCC have investigated the surface water system and identified damage caused by utility activity. LCC will enforce repair once utility has been identified.	No	Works to raise kerbs and regrade footway in hand. New surface water sewer/drain in carriageway with outfall to Catchwater Drain is budget dependent. Initial discussions with LMIDB have been undertaken to investigate routing and outfall locations.	LCC LMIDB	Partially complete but further investigations on-going	2014/15	S19-024
19-Jul-12	Lumley Avenue	Skegness	East	Andy Ratcliffe Area Highways Manager East Division Southern Area	Extreme rainfall caused both highway surface water and overland flows to funnel down the unadopted lane and collect in the low area behind the properties of Lumley Avenue.	2	LCC - Yes	LCC have installed two new gullies to cut off the discharge from the highway onto the private road. Owners of the private road advised to consider a drainage system within the unadopted lane.	No	New gullies installed by LCC. Recommendations provided to the owners of the private road .	LCC	Completed	Complete	S19-027
03-Aug-12	Coots Lane	Mumby	East	Dean Myhill Area Highways Manager East Division Northern Area	Following intense rainfall, water flowed down Coots Lane entering a property which is situated at the lowest point. A combination of water from the carriageway and driveway was believed to be the cause.	1	LCC - Yes Lindsey Marsh IDB - Yes	Drainage survey to be undertaken with a view to upgrading the existing highway surface water drainage system. LMIDB to contact riparian land owner of the dyke to request it to be cleaned/maintained on a regular basis.	No	LCC to undertake drainage survey. LMIDB to request cleansing/maintenance of dyke.	LCC LMIDB	Completed	Summer 2014	S19-028
17-Mar-13	Main Street	Bucknall	East	Andy Ratcliffe Area Highways Manager East Division Southern Area	Following intense rainfall, overland flows from adjacent fields flowed through the rear garden and entered the property.	1	LCC - Yes Witham 3rd IDB - Yes	Historic ditch to the rear of the property appears to have been filled/removed. This has now been reinstated to a good standard. Witham 3rd IDB to check works	No	Witham 3rd IDB has checked the work has been carried out and it is maintained on a regular basis.	LCC Witham 3rd IDB	Completed	Complete Summer 2013	S19-029
09-Jun-14	Pump Lane	Saltfleet	East	Dean Myhill Area Highways Manager East Division Northern Area	Extreme rainfall estimated at a 1 in 60 year event caused significant overland and surface water flow to enter this low lying property due to capacity issues of existing surface water drainage system. Lack of effective drainage within the property boundary is also a contributing factor. The same property also experienced similar internal / external flooding on 28th June 2012 - Report Ref S19-015	1	LCC - Yes	In 2012 ELDC installed a new manhole and cleansed and jetted the existing system. However, the property flooded again in 2014. Following this latest investigation, LCC Highways will carry out works outside the property which includes the installation of additional drainage apparatus (gullies & pipes) into the existing system. LCC Highways will also look into reconstructing the vehicular access with an increased kerb upstand.	No	LCC Highways to undertake drainage improvement work and carry out improvements to the vehicular access of the property.	LCC	On-going	Summer 2015	S19-087

**Duty to Investigate
On-going section 19 Investigations**

Lincolnshire County Council Section 19 Investigations										Identified Action/Works				
Date of Incident	Location	Town	Division	Contact Officer	Description of Flooding	No of Properties internally Flooded	Risk Management Authorities with Responsibilities and whether they are exercising functions	Actions and Recommendations	Consideration for inclusion in future Common Works Programme	Proposed Action/Works	Promoter	Status	Estimated Timescales	S19 Report File Reference
09-Jun-14	Sausthorpe Road	Hagworthingham	East	Andy Ratcliffe Area Highways Manager East Division Southern Area	Following torrential rainfall, drains were unable to expell the surface water causing it to flow onto the driveway and enter the property owners conservatory.	1	LCC - Yes	LCC Highways has cleansed and jettted the existing drainage system. The report into the drainage investigation is still outstanding and CCTV investigation of the drainage system will be carried out if required.	No	Drainage system has been jettted and cleansed awaiting report. If required a CCTV investigation will be carried out to identify any problems within the system.	LCC	On-going	Summer 2015	S19-092
09-Jun-14	Platts Lane	Bucknall	East	Andy Ratcliffe Area Highways Manager East Division Southern Area	Extreme rainfall caused significant surface water to flow along the highway. The highway drains were unable to cope, allowing water to flow over the kerbed accesses to the properties, causing internal flooding.	2	LCC - Yes	LCC to clean and jet the whole system through to the outfall to ensure the system is running free. Minor highway maintenance is required to remove a pedestrian dropped kerb access to mitigate flooding to one of the properties. Further highway work to be programmed to remove an area in front of the kerb, this will increase the kerb face and direct water away from the second property. Further drainage investigations may be required. Install additional gullies up stream of the affected properties.	No	Following the cleansing and jetting of the entire system highway maintenance work and further drainage investigations will be funded during 2015.	LCC	On-going	Summer 2015	S19-093
09-Jun-14	Main Road	Saltfleet	East	Dean Myhill Area Highways Manager East Division Northern Area	Extreme rainfall (1 in 60 year event) meant the highway drains were unable to cope with the amount of surface water on the carriageway and overland flow from the surrounding land.	1	LCC - Yes	Following the investigation into the flooding several factors were identified: Level of property which is situated 1.3m below carriageway surface; surface water system capacity issues were also identified due to the extreme rainfall event; and surface water and overland flows from adjacent land. The recommendations identified the need for replacement of a 48m section of pipe to remove a bottle neck within the system. Additional works to possibly re-line sections of the pipe, repair damaged sections and root cutting works are to be programmed for 2015.	No	Root cutting ,possible re-lining the pipe and replacement of section of pipe.	LCC	On-going	Summer 2015	S19-094
09-Jun-14	Mayfield Crescent	Louth	East	Dean Myhill Area Highways Manager East Division Northern Area	Following torential rain, the highway drains were unable to cope with the amount of surface water on the carriageway. Surface water was reported to have entered two low lying properties. After further investigation and confirmation from the local residents, flooding only affected the garages of the two properties.	0	LCC - Yes	LCC Highways may carry out maintenance work in the future although it is not classed as a priority as living acomodation was not flooded on this occasion. LCC have informed the residents that resilience measures to their property would be beneficial.	No	Residents advised to undertake resilience measures to protect their properties. LCC Highways to look at highway improvements in the future if required.	LCC	Completed	Complete Autumn 2014	S19-097
09-Jun-14	Chapel Lane	Manby	East	Dean Myhill Area Highways Manager East Division Northern Area	Following the two periods of extreme rainfall that fell during Monday 9th and Tuesday 24th June, the surface water highway drains were unable to cope with upto 31mm of rain falling in 1 hour.	1	LCC - Yes	ELDC arranged to cleanse and jet the existing system and carry out a full investigation. The report identifies that the current system requires a major upgrade including the installation of new pipes and gullies. ELDC is installing a holding tank within its property to control the discharge of surface water onto the highway.	No	Work to upgrade the existing drainage system has been completed; the installation of the holding tank is due to be carried out very soon by ELDC.	ELDC	Partially Completed	Dec-14	S19-095
24-Jun-14	Provost Road / Carlton Road	Manby	East	Dean Myhill Area Highways Manager East Division Northern Area	Majority of the surface water was initially discharged from ELDC carpark and adjacent playground onto the carriageway. Lincolnshire Fire & Rescue attended the scene to pump out excessive surface water.	2	LCC - Yes							
24-Jun-14	Langton Hill	Horncastle	East	Andy Ratcliffe Area Highways Manager East Division Southern Area	Extreme rainfall estimated at being a 1 in 30 to 1 in 100 year event resulted in significant overland flows from the surrounding land. The combined surface water and overland surface water flow overwhelmed the highway sewer system on Langton Hill and West Street and caused flooding at the bottom of the hill which affected one property.	1	LCC - Yes	Following a similar event in 2012, works were undertaken by AW and LCC Highways to rectify defects to the surface water systems along Langton Hill and West Street. However, defects to one section of the highway drainage system are yet to be completed. There appears to be issues with the capacity of the system in the area. LCC recommend the completion of the initial project identified in 2012 along with profiling the footway and lifting the kerb face to divert surface water away from the property, this is currently underway. There is also a ditch at the higher end of Langton Hill which requires cleaning out and Witham 3rd IDB require action by the riparian land owners.	No	Reprofiling of the footway is currently underway along with the completion of outstanding works; all due to be completed by the end of March 2015. The cleaning out of the ditch is yet to be undertaken by the riparian owner.	LCC Witham 3rd IDB AW	Partially Completed	Completion due Spring 2015	S19-096
08-Aug-14	High Holme Road	Louth	East	Dean Myhill Area Highways Manager East Division Northern Area	Extreme rainfall caused significant overland flow and highway surface water to enter low lying properties; this was due to capacity issues of the existing surface water drainage system. Residents in the properties were evacuated to temporary accommodation due to internal flooding.	1	LCC - Yes	LCC to issue a small footway drainage improvement scheme to help alleviate problems in the area although this will not resolve the problems during extreme rainfall, but may offer assistance during heavy / average rainfall.	No	LCC Highways to undertake a small footway/drainage scheme and carry out further investigations regarding drainage capacity issues.	LCC	On-going	Spring 2015	S19-088
09-Jun-14	North Parade	Skegness	East	Andy Ratcliffe Area Highways Manager East Division Southern Area	Intense summer rainfall caused internal flooding to the hotel. Surface water entered the building via the ladies toilets.	1	LCC - Yes Anglian Water - Yes	AW to investigate the capacity of the surface water system. The property owners should investigate whether they have sufficient drainage within their land to accommodate the normal flows expected.	No	Further investigations to be carried out by AW and recommendations advised to property owners.	LCC AW	On-going	Spring 2015	S19-101
24-Jun-14	Sunningdale Close	Skegness	East	Andy Ratcliffe Area Highways Manager East Division Southern Area	Following torential rain, the highway drains were unable to cope with the amount of surface water on the carriageway. The flood water entered the property.	1	LCC - Yes Anglian Water - Yes	AW to investigate the capacity of the surface water system The property owners should consider installing cut off drains to collect water before it enters the property and ensure discharge to an appropriate location, or consider other property level protection measures.	No	Further investigations to be carried out by AW and recommendations advised to property owners.	LCC AW	On-going	Spring 2015	S19-098
24-Jun-2014 & 13-Jul-2014	Sunningdale Drive	Skegness	East	Andy Ratcliffe Area Highways Manager East Division Southern Area	Following torential rain, the highway drains were unable to cope with the amount of surface water on the carriageway. The flood water entered the property, whilst the owners were away on holiday.	1	LCC - Yes	Following investigations carried out by AW in 2012, third party obstructions were identified at several locations within the system. Three of these were resolved in 2013 and a further drainage survey was carried out. AW to carry out further investigations.	No	Further investigations to be carried out by AW and recommendations advised to property owners.	LCC AW	On-going	Spring 2015	S19-099

Duty to Investigate
On-going section 19 Investigations

Lincolnshire County Council Section 19 Investigations										Identified Action/Works				
Date of Incident	Location	Town	Division	Contact Officer	Description of Flooding	No of Properties internally Flooded	Risk Management Authorities with Responsibilities and whether they are exercising functions	Actions and Recommendations	Consideration for inclusion in future Common Works Programme	Proposed Action/Works	Promoter	Status	Estimated Timescales	S19 Report File Reference
24-Jun-14	Theatre, Grand Parade	Skegness	East	Andy Ratcliffe Area Highways Manager East Division Southern Area	Following torrential rain, the highway drains were unable to cope with the amount of surface water on the carriageway and a property was flooded.	1	LCC - Yes	AW to investigate the capacity of the surface water system. ELDC should consider investigating whether it has sufficient drainage within its land to accommodate the normal flows expected.	No	Further investigations to be carried out by AW & ELDC	LCC AW ELDC	On-going	Spring 2015	S19-100
27-Jun-14	Junior School Academy Pelham Road	Skegness	East	Andy Ratcliffe Area Highways Manager East Division Southern Area	During torrential rain, school corridors were overwhelmed with flood water from the 3 internal downpipes located within the schools corridor. Due to the back up of silt and debris located in the main drain on Pelham Road, excess water from the downpipes overflowed into the Year 5 corridor causing internal flooding.	1	LCC - Yes	AW should investigate the surface water system for possible restrictions to flow. Further investigations regarding the outfall of the system need to be undertaken in due course.	No	Further investigations to be carried out by AW	LCC AW	On-going	Summer 2015	S19-102
30-Apr-12	St Catherine's Grove	Lincoln	North	Jeanne Gibson Area Highways Manager North Division Lincoln City Area	Surface water backed up and surcharged into St Catherine's grove due to flap valve sticking open.	2	LCC - Yes Anglian Water - Yes Environment Agency - Yes	Anglian Water is to inspect the flap valve at the outfall to the River Witham, and introduce a maintenance regime to ensure it closes when the river levels are high.	No	AW to maintain flap valve inspection regime to be discussed with AW & LCC. Inspections being carried out on a monthly basis.	AW	Completed	Complete Spring 2014	S19-030
28-Jun-12	Castle Hill	Caistor	North	Steve Wiles Area Highways Manager North Division Northern Area	Following heavy rainfall the Anglian Water foul sewer system became overwhelmed due to infiltration of surface water and backed up into a property in Castle Hill.	1	Anglian Water - Yes	There is a non-return valve fitted to the property lateral which was ineffective. Anglian Water have repaired it and are to implement an improved maintenance regime.	No	AW to maintain the non-return valve.	AW	Completed	Complete Autumn 2012	S19-031
28-Jun-12	Maple Avenue, Riby Road and Pelham Crescent	Keelby	North	Steve Wiles Area Highways Manager North Division Northern Area	Flooding was caused by surcharging surface water sewers combined with overland flows.	4	LCC - Yes Anglian Water - Yes	Further detailed study required into the ownership, condition and capacity of the surface water sewer system with a view to providing a new pipe system to intercept flows from the A18 Barton Street; to reduce flows entering the village, and to upgrade the pipe between Riby Road and Caddle Beck. Further LCC investigation and design required. Scheme bid submitted for feasibility and works.	Yes (may also require Anglian Water investment)	Surface water drainage scheme under consideration. Further LCC investigation and design required. Feasibility 2015/16 Work 2016/17	LCC AW	On-going	Investigation & Feasibility 2015/16 Possible works 2016/17	S19-032
28-Jun-12	Eastfield Road	Keelby	North	Steve Wiles Area Highways Manager North Division North Area	Surface water sewer overwhelmed due to its connection to a blocked riparian drain.	3	Anglian Water - Yes North East Lincs IDB - Yes LCC - Yes	North East Lincolnshire Internal Drainage Board to clear riparian drain. Anglian Water to investigate cross contamination of foul and surface water systems. LCC to investigate the provision of a new chamber on the culverted section of watercourse in order to facilitate further investigations. Riparian owners to be advised of their responsibilities.	No	All risk management partners have completed their actions and responsibilities.	AW NELIDB LCC	Completed	Complete Spring 2014	S19-033
28-Jun-12	Brigg Road	Moortown	North	Steve Wiles Area Highways Manager North Division North Area	Extreme rainfall (in the order of a 1 in 200 year event) caused the riparian ditches in front of properties on Brigg Road to overtop causing internal flooding.	1	Ancholme IDB - Yes	Riparian owners have been advised to clear the ditches in front of their properties. Ancholme Internal Drainage Board is to advise residents and promote investigation into the outfall of riparian watercourses into Nettleton Beck. Ancholme Internal Drainage Board requested to assess for enforcement action.	No	Riparian owner and Ancholme IDB have completed their actions and recommendations. Residents have been informed of their responsibilities.	Ancholme IDB	Completed	Complete Spring 2014	S19-034
28-Jun-12	Faldingworth Road	Spridlington	North	Steve Wiles Area Highways Manager North Division Northern Area	Extreme rainfall (in the order of a 1 in 200 year event) caused surcharging of the highway drainage system in the village and internal flooding.	1	LCC - Yes	Highway drainage system found to be in good order following the investigation. As the flooded property has a very low threshold, property level resilience recommended.	No	IDB requested to assess for enforcement action and recommendations advised to residents	LCC	Completed	Complete Autumn 2013	S19-035
06-Jul-12	Beevor Street	Lincoln	North	Jeanne Gibson Area Highways Manager North Division Lincoln City Area	Internal flooding to an industrial property caused by blockage to private sewer.	1	None	Advised company to investigate the blockage and connection of their private sewer. This has now been carried out and has been cleared through to its connection with the Anglian Water system in Beevor Street.	No	No further action at this time	Riparian owner	Completed	Complete Spring 2013	S19-036
10-Jul-12	Laing Close	Bardney	North	Alan Brown Area Highways Manager North Division Southern Area	Surcharging from foul and surface water sewers due to blockages within the surface water system. Concerns over operation of foul sewer system due to possible downstream pump failure, excessive surface water connectivity to the foul sewer and the effectiveness of the overflow arrangements at the pumping station.	1	LCC - Yes Anglian Water-Yes Witham 3rd IDB - Yes	LCC system checked and functioning effectively. Anglian Water has provided resilience measures at a property on Laing Road. Anglian Water to check and repair their systems and investigate the flow carried by the foul system and validate the capacity of the foul sewer, including the operational effectiveness of the foul pumping station and its emergency overflow arrangements. The installation of a flap valve to the surface water sewer outfall at the rear of Baltholmew Close should be investigated. Witham 3rd Internal Drainage Board to complete its study into the benefits of upgrading its culvert through the garden of a property on Abbey Road.	Yes- possible upgrading of Witham 3rd culvert.	LCC system checked and ok, problems found with AW surface water system and reported to AW, mitigating action taken by erecting flood boards at the property. AW has confirmed all remedial work has been carried out, and a regular maintenance regime is now in place. Witham 3rd IDB have installed a new culvert under Abbey Road to increase capacity of the drainage system. This work was carried out in November 2014.	LCC AW Witham 3rd IDB	Completed	Complete Winter 2014	S19-037
01-Dec-13	High Street	Heighington	North	Alan Brown Area Highways Manager North Division Southern Area	Surface water and groundwater flooding (from a private well) entered the lowest room in the property (the former dairy), following prolonged wet weather.	1	LCC - Yes	The provision of a new overflow for the well will allow for a significant discharge from the area. However, it is difficult to confirm whether the arrangements installed will limit the rise in groundwater levels should similar weather conditions recur. The effectiveness of the completed installation should be monitored by on-going liaison between LLFA and the owners.	No	The property owners have subsequently obtained consent to lay a new overflow pipe from the well to the beck and have privately funded its construction with all the site works complete.	Riparian Owner	Completed	Complete Spring 2014	S19-038
25-May-14	High Street	Kexby	North	Steve Wiles Area Highways Manager North Division- Northern Area	History of surface water flooding and drainage issues in location. Most recent event involved an intense period of persistent rain causing surface water drains to back up and flow into the garden and driveway, and then into the property whilst the resident was not at home.	1	LCC - Yes	LCC has arranged for the surface water drainage system to be jetted and cleansed. However, there is evidence that there is a broken pipe within the system. It is proposed to install a new section of surface water drain to create a connection to another system which is known to be in good order, providing an alternative outfall and rendering the damaged pipe redundant. WLDC have been advised to sweep the roads to prevent excess silt and debris blocking the drain.	No	System has been cleansed and jetted, WLDC have swept the roads. Damaged surface water drain is currently being replaced by LCC.	LCC	On-going	Spring 2015	S19-076

Duty to Investigate
On-going section 19 Investigations

Lincolnshire County Council Section 19 Investigations										Identified Action/Works				
Date of Incident	Location	Town	Division	Contact Officer	Description of Flooding	No of Properties internally Flooded	Risk Management Authorities with Responsibilities and whether they are exercising functions	Actions and Recommendations	Consideration for inclusion in future Common Works Programme	Proposed Action/Works	Promoter	Status	Estimated Timescales	S19 Report File Reference
09-Jun-14	A631 Corringham Road	Somerby	North	Steve Wiles Area Highways Manager North Division Northern Area	Following torrential rainfall, the highway ditches became overwhelmed causing the outfall pipe to the property's septic tank to back up the drains in the property, subsequently leading to water entering the property.	1	LCC - Yes	Flooding was caused by lack of maintenance of the open ditch. The riparian owner has been contacted to ensure the ditches are regularly cleared out and maintained to remove the risk of the outfall backing up in the future.	No	Recomedations provided to riparian owner	Riparian Owner	Completed	Complete Winter 2014	S19-082
09-Jun-14	High Street	Blyton	North	Steve Wiles Area Highways Manager North Division Northern Area	Following very heavy rainfall, the dyke to the rear of the property which collects water from the adjacent land and development at the top of the hill, was unable to take the water. The volume of water exceeded the capacity of the pipe at the bottom of the dyke. This caused the dyke to back up and run through the fence at the rear of the property. The flood water entered the restaurant and flowed through the building to the main entrance at the front.	1	LCC - Yes	Flooding was caused by insufficient pipe capacity within the dyke located to the rear of the property. Recommendations given to the property owner and riparian owner of the dyke include: Constructing a wall or physical feature along the fence line to reduce the risk of water from the dyke flowing down the slope into the property; Installation of flood seals to the doors to prevent water ingress; Regular maintenance to the trash screen to ensure it is kept clear of debris and reduce the risk of the 225mm pipe in the dyke from backing up.	No	The riparian/property owner has been informed of his responsibilities, and of flood resilience measures to help alleviate the property from flooding in the future.	Riparian Owner	Completed	Complete Autumn 2014	S19-089
09-Jun-14	Station Road	Blyton	North	Steve Wiles Area Highways Manager North Division Northern Area	Following torrential rainfall, the highway drains were unable to cope with the amount of surface water on the carriageway causing internal flooding to the property.	1	LCC - Yes	During a period of intense rainfall over a short period, surface water run off from neighbouring land caused this residential property internal flooding. Whilst carrying out investigations there was no evidence of any dykes along the field boundaries, additionally the property is situated lower than the surrounding land and carriageway.	No	The property owner has been made aware of property resilience measures that should help alleviate flooding in the future.	Riparian Owner	Completed	Complete Sept 2014	S19-090
20-July -14 & 10-Aug-14	Emison close	Scotter	North	Steve Wiles Area Highways Manager North Division Northern Area	During heavy rain in the area, the surface water drainage system located on the High Street was unable to cope with the excess water causing it to flow down the eastern side of Emison Close and into the garden. The water entered the property via the garage and air bricks and caused damage to the living area of the property.	1	LCC - Yes	The current drainage system will adequately drain normal amounts of surface water and is free flowing. However, during intense periods it has been shown that the current system will not cope. Investigations are currently being carried out to see if alteration to the footway levels and kerbing will prevent surface water from flowing onto the property. Remedial works to alter footway levels and kerbing will be programmed in the future.	No	LCC to carry out a level survey and further drainage investigations, to identify any problems with the current system and reconstruction works to alter footway and kerbs in the area.	LCC	On-going	Summer 2015	S19-079
10-Aug-14	High Street	Lincoln	North	Jeanne Gibson Area Highways Manager North Division Lincoln City	Flooding to the premises was due to heavy & persistent rain falling that day. Ponding surface water collected on the footway outside the premises in a hole in the footway. Due to the gully in the carriageway being full of building debris, water was unable to exit into the sewer, thus the ponding water entered the shop causing internal flooding to the sales floor.	1	LCC - Yes	Surface water did not discharge into the sewer system due to the gully outside the premises being blocked with building material. The gully was jetted and cleaned out immediately after the flooding incident. Once the system had been cleaned it was found to be free running.	No	System has been cleansed and jetted and will be inspected by LCC Highways on a regular basis. The gullies and sewer system is cleansed routinely on the LCC cyclic maintenance schedule.	LCC	Completed	Complete Autumn 2014	S19-083
11-Aug-14	Middle Street	Corringham	North	Steve Wiles Area Highways Manager North Division Northern Area	Intense summer rainfall caused property internal flooding. The cause of the flooding was due to a blocked highway drain located at the front of the property.	1	LCC - Yes	It is recommended that the surface water highway drain is regularly maintained. The tenant is currently in the process of requesting permission from the landlord to make improvements to the driveway, to help alleviate flooding in the future.	No	System has been cleaned and jetted following the incident. All flood resilience work will be carried out by the landlord.	LCC Riparian Owner	Completed	Complete Autumn 2014	S19-091
11-Aug-14	Thornton Road	South Kelsey	North	Steve Wiles Area Highways Manager North Division Northern Area	Intense summer rainfall caused a combined sewer in the highway to surcharge, leading to a mixture of surface water and foul water entering the property. Investigations revealed an obstruction in the sewer system.	1	LCC - Yes Anglian Water - Yes	The system has been cleaned and jetted out, the nature of the obstruction was unknown, but the system is now running clear. Anglian Water are to carry out an investigation into the condition of the sewer. The property owner has been advised to implement resilience measures to ensure the private connection does not back up in the event of the sewer surcharging. An example of such measures would be the fitting of a non-return valve to the connection.	No	Anglian water to carry out a condition survey of the system and the resident to consider carrying out the fitting of a non-return valve to the private system.	LCC AW Riparian Owner	On-going	On-going	S19-104
06-Jul-12	High Street	Gosberton	South	Andy Wharff Area Highways Manager South Division Boston	Heavy rainfall caused the piped and open dykes within the village to overflow which caused internal flooding.	1	Welland and Deepings IDB- Yes LCC - Yes	LCC have checked the highway drainage system in the vicinity and found it to be clear. Maintenance to the highway drainage system and riparian ditches and piped drains undertaken.	No	Maintenance to highway drainage system and riparian ditches and piped drains undertaken.	LCC WDIDB	Completed	Complete Spring 2013	S19-040

Duty to Investigate
On-going section 19 Investigations

Lincolnshire County Council Section 19 Investigations										Identified Action/Works				
Date of Incident	Location	Town	Division	Contact Officer	Description of Flooding	No of Properties internally Flooded	Risk Management Authorities with Responsibilities and whether they are exercising functions	Actions and Recommendations	Consideration for inclusion in future Common Works Programme	Proposed Action/Works	Promoter	Status	Estimated Timescales	S19 Report File Reference
05-Dec-13	Various streets in Boston, Friskney, Trusthorpe, Skegness, Gibraltar Point, Tetney Marsh, Wrangle and Susworth	Lincolnshire coastal towns and villages and various properties along inland tributaries.	North, South & East	Mark Welsh Floods Water and Major Development Manager LLFA	Following the tidal inundation over the weekend, highway, properties, businesses and high grade agricultural land suffered serious flooding. The incident occurred due to extremely high tides combined with low air pressure and onshore wind direction. Extensive damage was caused to sea defences along the East Coast and tidal tributaries inland including The River Witham Haven, Lower River Trent & River Humber		Black Sluice IDB - Yes Witham 4th IDB - Yes South Holland IDB - Yes Environment Agency - Yes Anglian Water - Yes Boston Borough Council - Yes Lincolnshire County Council - Yes East Lindsey District Council - Yes South Holland District Council - Yes West Lindsey District Council - Yes	Skegness - Following partial destruction of the stone wall at the rear of the promenade, discussions are underway with ELDC to agree partnership funding for a permanent solution based on a structural and cosmetic spilt. Work to construct this permanent flood wall will be undertaken under the local regeneration scheme later this year.	Yes	EA & ELDC staged approach to construction of permanent flood wall.	Shoreline management partnership approach involving: Black Sluice IDB Witham 4th IDB Sth Holland IDB EA AW BBC LCC ELDC SHDC WLDC	On-going	Complete March 2015	S19-075
								Boston - Preparation of the Transport and Work Act Order for the Boston Barrier Scheme for submission to the secretary of state is due to be submitted in Autumn 2015. Subject to approval, the programme for delivering a multi-functional tidal barrier includes construction to start during summer 2017 taking approximately 2.5 years for completion.	Yes	Recommendations remain current. DEFRA consulting on Environmental Assessment scope.		On-going	2017 - 2020	
								Gibraltar Point - No emergency work has been undertaken. However, the Environment Agency are looking at the future of Bulldog Bank sea defence and are reviewing the economic justification to fund its repair. If funding is not achievable alternative options will be considered.	Yes	Recommendations remain current. Mathematical model undertaken and being assessed.		On-going	TBA	
								Skegness to Mablethorpe Coastline - The annual beech nourishment campaign (Lincshire) ran between April & June 2014, replenishing the material lost over the last year. Over a 20km stretch, 6 areas have been re-nourished in this years campaign.	Yes	Recommendations remain current. Saffleet to Gibraltar Point Coastal Strategy Review currently being undertaken.		On-going	TBA	
								Bath Gardens - The tidal surge led to partial failure of a 10m section of a brick flood wall. Sand bags were used, not only to temporarily secure the opening, but also afterwards to protect the new brickwork against subsequent New Year high tides.	No	Recommendations remain current.		Completed	Complete	
								Black Sluice Pumping Station - 5 diesel pumps became submerged by floodwater, causing temporary loss of power and saline intrusion to the diesel pumps and gearing mechanisms. Following maintenance work to the pumping station it has now been brought back to working order.	Yes	Recommendations remain current. Black Sluice Strategy Review being undertaken.		On-going	TBA	
								Slippery Gowt - Following a 40m wide breach, an immediate temporary repair was completed during December to secure the defence using sheet piling and stone. A permanent repair to improve the defence is underway.	Yes	Permanent repair work completed. Further improvement works to be undertaken following ground investigation.		On-going	Oct 2014 - Mar 2015	
								Jakeman's Slip - Area downstream of Grand Sluice on the left bank of The Haven showed signs of movement following the New Year high tides. 300 tonnes of stone was placed and completed in March 2014 to prevent further slippage.	No	Recommendations remain current. Further monitoring confirmed no more work.		Completed	Complete	
								The Haven (St Ann's Wharf and White Horse Lane) - Movement of the flood wall was evident in a number of locations and a structural survey was undertaken. The flood wall was repaired along Oxford Street, and a new 30m wall constructed at White Horse Lane.	No	Recommendations remain current.		Completed	Complete	
								The Wash - The area south of Horseshoe Point where bank-raising is required has been identified within the Medium Term Plan for completion. Following a meeting in January 2014 to discuss the localised community emergency and flood plan (CEFP), this will include the use of flood wardens and the creation of networks to share information.	Yes	Recommendations remain current. Works still progressing in Medium Term Plan to deliver improved defences.		On-going	TBA	
							Susworth -Preventative measures for residents, including raising the top step of the footway on the river bank.	No	Raise footway.		On-going	TBA		
24-May-14	London Road	Long Sutton	South	Debra Greeves Area Highways Manager South Division-Boston	During heavy rainfall the resident reported water had entered his property damaging flooring. Surface water flowed off the carriageway over the footway and onto his neighbours drive, subsequently flowing onto his property. The water entered into the house via air bricks located below ground level.	1	LCC - Yes	LCC has arranged the surface water drainage system to be jetted and cleaned. The surface water system is now free flowing and deemed adequate to cope with normal rainfall, following level surveys and investigations. Recommendations to alleviate surface water flooding would involve alterations to be made to the footway, carriageway levels and the addition of further gullies in the area. However, any remedial work would have to be done in the future when resources and priorities permit.	No	System has been cleansed and jetted, and will be inspected by LCC Highways on a regular basis.	LCC	Completed	Complete	S19-077
08-Aug-14	Bridge Road	Sutton Bridge	South	Debra Greeves Area Highways Manager South Division-Boston	During heavy rainfall the business reported water had entered its property damaging flooring. Surface water flowed off the carriageway over the footway and onto the tarmac & gravel frontage, subsequently entering the property.	1	LCC - Yes	LCC has arranged the surface water drainage system to be jetted and cleaned. The surface water system is now free flowing and deemed adequate to cope with normal rainfall, following level surveys and investigations. Recommendations to alleviate surface water flooding would involve alterations to be made to the footway, carriageway levels and the addition of further gullies in the area. However, any remedial work would have to be done in the future when resources and priorities permit.	No	System has been cleansed and jetted, and will be inspected by LCC Highways on a regular basis.	LCC	Completed	Complete	S19-078

**Duty to Investigate
On-going section 19 Investigations**

Lincolnshire County Council Section 19 Investigations										Identified Action/Works				
Date of Incident	Location	Town	Division	Contact Officer	Description of Flooding	No of Properties internally Flooded	Risk Management Authorities with Responsibilities and whether they are exercising functions	Actions and Recommendations	Consideration for inclusion in future Common Works Programme	Proposed Action/Works	Promoter	Status	Estimated Timescales	S19 Report File Reference
13-Jul-14	Oak House Lane	Freiston	South	Andy Wharff Area Highways Manager South Division- Boston	Following a short period of heavy rain, surface water from the highway entered an external building where stock was stored for the business.	1	LCC - Yes	LCC to place an additional gully outside the property on the highway to assist with the removal of surface water. The drainage system has capacity to accommodate the additional gully.	No	Works are programmed during 2015.	LCC	On-going	Due to complete Summer 2015	S19-110
19-Jul-14	Market Place	Swineshead	South	Andy Wharff Area Highways Manager South Division- Boston	Flooding to the business occurred following a heavy downpour. The business suffered internal flooding due to surface water runoff from the carriageway entering the car park and subsequently entering the property.	1	LCC - Yes	The entire drainage system has been jetted and cleaned; a new connection from both of the alleys is programmed. The drainage system requires a new chamber and new connections to the highway drainage system in the carriageway. The adjacent property owner has an irregular outfall into the alley way; he has been notified to find an alternative way to discharge surface water from the property. Additionally, the low spots in the alley way that allows surface water to flow from the highway around the back of the public house will require modifying to provide a water check to prevent this re-occurring. All works required will be programmed for 2015.	No	New connections, chamber pots and minor highway alterations are currently in the works programme for next financial year.	LCC	On-going	Summer 2015	S19-103
01-Apr-12	Church Lane	Brandon	West	Mark Heaton Area Highways Manager West Division Grantham	Overland flow from adjacent land. Saturated ground leading to overland flow which may have been exacerbated due to the lack of maintenance of riparian watercourses. South Kesteven District Council has given advice, and a drainage proposal showing a filter drain to the side of the property to intercept overland flows and underground surface water has been produced.	1	LCC - Yes South Kesteven District Council - Yes Upper Witham IDB - Yes	Property owner to maintain his filter drain. LCC Highways to improve highway drainage to remove standing surface water. Risk Management Authorities to ascertain ownership of all watercourses and advise the owners to clear/maintain them periodically.	No	LCC to install and improve the highway drainage system to reduce the risk of standing surface water. Carriageway works complete, further works in regard to ditch clearing now complete and it is on a maintenance schedule.	LCC SKDC UWIDB	Completed	Complete	S19-041
29-Apr 28-June 6-July	Waterloo Cottages A607	Belton	West	Mark Heaton Area Highways Manager West Division Sleaford	Surface water from public highway and adjacent private land flowing onto properties .	2	LCC - Yes Upper Witham IDB - Yes Environment Agency - Yes South Kesteven District Council - Yes	Upper Witham Internal Drainage Board has carried out enforcement on riparian owner for watercourse improvements. LCC Highways is designing improvements to the drainage system.	No	New drainage system/dyke renewal (seeking funding). Improvement work designed and due to be built summer 2014. Initial works have started within the private grounds, however, highway work has been delayed due to listed building status of a drystone wall. Original solution could not be built - new solution being considered	LCC	On-going	Works have commenced; estimated completion Summer 2015.	S19-042
28-Jun-12	A607 Main Street	Carlton Scoop	West	Mark Heaton Area Highways Manager West Division Grantham	Surface water run-off from private land running onto highway and entering front of cottage.	1	LCC - Yes Upper Witham IDB - Yes	IDB undertaking enforcement, further LCC investigation to be carried out.	No	IDB undertaking enforcement. Further LCC investigation to be carried out. System jetted, and requires new manhole but will not be placed until other issues have been resolved.	LCC	On-going	Outstanding works due to be completed Summer 2015.	S19-043
28-Jun-12	Bridge End Road	Grantham	West	Mark Heaton Area Highways Manager West Division Grantham	Highway surface water run-off entering front of property and exiting from the rear due to root obstructions in Anglian Water system.	1	LCC - Yes Anglian Water - Yes	Anglian Water has undertaken root clearance works.	No	AW work completed.	AW	Completed	Complete Autumn 2012	S19-044
28-Jun-12	High Street North and South, Manor Street, Chapel Street and Chestnut Street	Ruskington	West	Rowan Smith Area Highways Manager West Division Sleaford	Overtopping of Ruskington Beck (Main River) and surcharge of foul sewers and overtopping of riparian watercourse.	6	Environment Agency- Yes Anglian Water - Yes Witham 1st IDB (Enforcement) - Yes	The Environment Agency is to remodel Ruskington Beck (hydraulic) and carry out riparian enforcement. Anglian Water is investigating the foul water system and is considering an improvement scheme. A bid for an overall study for Ruskington has been submitted for feasibility, design and works.	Yes	Investigation ongoing LCC, AW, EA meeting held with all partners' involved to discuss scheme brief. Feasibility and Design 2014/15; possible work 2016/17.	LCC AW EA	On-going	Feasibility and Design 2014/15 Possible works 2015-17	S19-045
28 June 12 6 July 12	The Avenue	Grantham	West	Mark Heaton Area Highways Manager West Division Grantham	Highway surface water run-off entering front of property. Highway surface water system backed up due to capacity issues within Anglian Water system.	1	LCC - Yes Anglian Water - Yes	Anglian Water improvement scheme required.	No	AW scheme completed.	AW	Completed	Complete spring 2013	S19-046
28-Jun-12	Thorald Avenue	Cranwell	West	Rowan Smith Area Highways Manager West Division Sleaford	Surface water surcharge from private parking area and highway gullies onto private property causing internal flooding of conservatory. Possible contributing factors due to the development of adjacent land which was historically an area of flood plain. Non maintenance of riparian watercourse.	1	Witham 1st IDB - Yes LCC - Yes North Kesteven District Council - Yes	Investigations ongoing between LCC, North Kesteven District Council and Landowners. Work to divert water away from garages being looked at. Landowner has been written to regarding possible cutting of new dyke.	No	Investigations ongoing LCC, NKDC, Landowners possible work being investigated to divert highway water away from private land. Survey complete & report received. Further meeting with NKDC Nov 2014.	LCC NKDC	On-going	Summer 2015	S19-047

**Duty to Investigate
On-going section 19 Investigations**

Lincolnshire County Council Section 19 Investigations										Identified Action/Works				
Date of Incident	Location	Town	Division	Contact Officer	Description of Flooding	No of Properties internally Flooded	Risk Management Authorities with Responsibilities and whether they are exercising functions	Actions and Recommendations	Consideration for inclusion in future Common Works Programme	Proposed Action/Works	Promoter	Status	Estimated Timescales	S19 Report File Reference
28/06/2012 & 29/06/2012	North Street	Digby	West	Rowan Smith Area Highways Manager West Division Sleaford	Overland flow from field into private properties, also blocked culvert/watercourse on school playing field.	8	LCC - Yes Witham 1st IDB - Yes	LCC, Witham First IDB and the Environment Agency are to undertake local maintenance and are considering improvement works following consultation with the Parish Council. A bid for an overall flood risk study for Digby has been submitted for feasibility, design and works.	Yes	Local maintenance work carried out by LCC, IDB & Landowner and residents on Green Dykes and North Street. Wider improvement scheme under consideration. Feasibility and Design 2014/15. Possible works 2015/16/17.	LCC Witham 1st IDB EA	On-going	Feasibility and Design 2014/15 Possible works 2015-17	S19-048
28/06/2012 & 29/06/2012	Beck Street	Digby	Rowan Smith Area Highways Manager West Division Sleaford	Overtopping of Digby Beck (Main River) and capacity issues on the foul sewer.	2	Environment Agency - Yes Anglian Water - Yes LCC - Yes	Yes		S19-049					
28/06/2012 & 29/06/2012	The Hurm	Digby	Rowan Smith Area Highways Manager West Division Sleaford	Overtopping of IDB drain (Digby Beck North Branch) and riparian watercourse. Suspected failure of Anglian Water foul pumping station.	10	Witham 1st IDB - Yes Anglian Water - Yes	Yes		S19-050					
29-Jun-12	Tattershall Road	Billinghay	West	Rowan Smith Area Highways Manager West Division Sleaford	Blockage on a private gully which backed up and water entered a property through an external door.	1	LCC - Yes	System jetted and cleared. No evidence of cause of blockage. Now on 3 x per year cleansing and jetting highway drain to outfall.	No	No further action at this time.	LCC	Completed	Complete Summer 2013	S19-051
28-Jun-12	Main Street	Scopwick	West	Rowan Smith Area Highways Manager West Division Sleaford	Ditch backing up and overtopping due to volume of surface water in the main surface water pipe system.	1	Witham 1st IDB (Enforcement) Yes LCC - Yes	LCC has jetted the system, further investigations into ownership of main piped drain and open ditch are ongoing. Two pipes under the road culvert were sufficient to cope with the expected flows and no alterations will be required. However, it was agreed that a camera survey would be appropriate to ensure flow was unrestricted, this was completed in Nov 2013. The drainage report clearly shows two intrusions of utility apparatus blocking the flow at two separate points by up to 40%. AW is considering repairs to the breakages and move its services out of the way. Riparian drainage and maintenance works are required. Investigation needed into overland and groundwater flows into new development.	No	Works carried out on replacement of culvert April 2014. Further investigation works to clear other obstructions on going, and liaising with EA in regards to surface water flow.	LCC	On-going	Spring 2015	S19-052
28-Jun-12	Southgate	Sleaford	West	Rowan Smith Area Highways Manager West Division Sleaford	Surface water from public highway and private land flowing into properties through front and rear entrances.	2	LCC - Yes Anglian Water - Yes	LCC to advise properties on self prevention measures relating to flood resilience. Anglian Water to investigate capacity of combined system.	No	LCC actions completed but awaiting AW investigation. LCC liaising with Anglian Water in regards to capacity issues.	LCC AW	On-going	Summer 2015	S19-053
28-Jun-12	Various	Timberland & Thorpe Tilney village	West	Rowan Smith Area Highways Manager West Division Sleaford	Surcharging of open watercourses and assumed restrictions within culverted sections. Surcharge of public surface and foul water systems.	3	Witham 1st IDB - Yes LCC - Yes Anglian Water - Yes	Improvement works on watercourse undertaken November 2012. Ongoing LCC investigations, further excavations to commence to provide access for CCTV survey, also minor kerbing improvements and works issued. A meeting has been held with the Parish Council/Flood Group/National Flood Forum. A bid for an overall study for Timberland has been submitted for feasibility, design and works.	Yes	Local work involving excavations to provide access for CCTV survey on-going. Kerbing work completed. Wider scheme Feasibility and Design 2016/17/18. Possible works 2018/19. LCC to carryout regular monitoring.	LCC	On-going	Feasibility 2017/18 Possible works 2018/19	S19-054
28-Jun-12	High Street and The Drift	Walcot	West	Rowan Smith Area Highways Manager West Division Sleaford	Flooding of property caused by volume of water backing up in the surface water system. Further investigations revealed at least 6 properties off The Drift which were internally flooded. This flooding was a combination of blockages in the surface water system and intensity of rainfall.	7	LCC - Yes Anglian Water - Yes	Anglian Water works in progress. LCC improvement scheme ongoing. A meeting with Walcott Parish Council has been held.	Yes	AW works complete. LCC works programmed summer 2014.	LCC AW	Completed	Complete Aunturn 2014	S19-055
28-Jun-12	West End / High Street	Swaton	West	Rowan Smith Area Highways Manager West Division Sleaford	Overland surface water flowing through private land. Separate case of overtopping of Swaton Eau flooding carriageway and property basement.	2	Environment Agency - Yes Black Sluice IDB - Yes LCC - Yes	The Environment Agency has completed its hydraulic modelling works. Black Sluice Internal Drainage Board has previously bid for an improvement scheme. Environment Agency / LCC have been asked to assist with scheme promotion.	Yes	EA completed modelling, discussion on-going with LCC regarding possible escape route for residents. Also considering resilience measures for properties.	LCC EA Black Sluice IDB	On-going	EA Feasibility Study 2014/15 Possible works 2016/17	S19-056
05-Jul-12	Caythorpe Road	Barrowby	West	Mark Heaton Area Highways Manager West Division Grantham	Highway surface water and surface water from private property flowing into garage and residential property.	1	LCC - Yes	Improvements to surface water drainage and residents self protection required.	No	LCC are designing improvements to surface water drainage and advising residents on self protection works.	LCC	Completed	Complete Summer 2014	S19-057
06-Jul-12	South Drove Fen	Helpringham	West	Rowan Smith Area Highways Manager West Division Sleaford	Combination of private and highway surface water which drained to property.	1	LCC - Yes	LCC have installed a new gully and outfall to dyke on the opposite side of the road.	No	Works completed by LCC Highways.	LCC	Completed	Complete Winter 2013	S19-058
06-Jul-12	Boundary Button Hole Cottages	Allington	West	Mark Heaton Area Highways Manager West Division Grantham	Overtopping of riparian ditches upstream of recently piped section of surface water run-off from fields and highway.	2	LCC - Yes Upper Witham IDB - Yes	The Upper Witham IDB have undertaken enforcement and cleared the drain. LCC Highways to provide a new piped highway drainage system.	No	LCC to provide new highway drainage system. Works to be undertaken in summer 2014.	LCC	Completed	Complete Summer 2014	S19-059
06-Jul-12	High Street	Harlaxton	West	Mark Heaton Area Highways Manager West Division Grantham	Current drainage system has insufficient capacity and backed up causing flooding to the carriageway and 2 properties.	2	LCC - Yes Upper Witham IDB - Yes Anglian Water - Yes	Following detailed investigation, joint work between LCC and Upper Witham IDB has been completed. Investigation to Mow Beck required to understand overall flood risk.	No	LCC surface water scheme completed and EA to investigate Mow Beck watercourse downstream.	LCC EA	On-going	Summer 2015	S19-060
06-Jul-12	Main Road	Long Bennington	West	Mark Heaton Area Highways Manager West Division Grantham	Groundwater flooding through the cellar.	1	LCC - Yes	Resident advised to tank cellar.	No	Advice provided.	LCC	Completed	Complete Autumn 2012	S19-061

**Duty to Investigate
On-going section 19 Investigations**

Lincolnshire County Council Section 19 Investigations										Identified Action/Works				
Date of Incident	Location	Town	Division	Contact Officer	Description of Flooding	No of Properties internally Flooded	Risk Management Authorities with Responsibilities and whether they are exercising functions	Actions and Recommendations	Consideration for inclusion in future Common Works Programme	Proposed Action/Works	Promoter	Status	Estimated Timescales	S19 Report File Reference
06-Jul-12	White Cross Lane / Asgardby Road	Burton Pedwardine	West	Rowan Smith Area Highways Manager West Division Sleaford	Surface water surcharge from private open watercourse to the east.	2	Black Sluice IDB - Yes	Black Sluice IDB to carry out enforcement. Resident met and awaiting proposals which may be subject to a highway contribution. Awaiting confirmation.	No	Discussions still ongoing between LLFA, IDB and residents. LCC have found and cleaned 2 pipes under road.	LCC Black Sluice IDB	On-going	2015	S19-062
06-Jul-12	Leasingham village	Leasingham	West	Rowan Smith Area Highways Manager West Division Sleaford	Surface water and foul water flooding capacity issue on watercourse running through the village, also capacity/maintenance issue with pumped foul sewer.	2	Environment Agency - Yes Anglian Water - Yes LCC - Yes Witham 1st IDB (Enforcement for LLFA) - Yes	Further investigations to be carried out by LCC, and further discussions to be held with the other risk management authorities.	Yes	Drainage system investigation currently being carried out. Issues with highway system at upstream end of village which is full of silt and roots. Further investigations on the remainder of the surface water system required. Investigations programmed for Winter 2014.	LCC AW	Completed	complete Winter 2014	S19-063
06-Jul-12	Allington Road	Sedgebrooke	West	Mark Heaton Area Highways Manager West Division Grantham	Following an intense period of rain, highway surface water and watercourses overtopped causing flooding property.	2	Environment Agency - Yes Upper Witham IDB - Yes LCC - Yes Anglian Water - Yes	Environment Agency has cleared out the Beck. Upper Witham IDB have cleared the riparian ditch and are negotiating with Parish Council to maintain in future this has been agreed. LCC to install new kerbing fronting properties.	No	LCC has installed new kerbing. Anglian Water has undertaken the installation of a non return flap valve.	LCC EA Upper Witham IDB	Completed	Complete Summer 2013	S19-064
06-Jul-13	Newton Village	Newton near Haceby	West	Rowan Smith Area Highways Manager West Division Sleaford	Overtopping of riparian dykes.	7	Black Sluice IDB - Yes LCC - Yes	LCC proposing to replace culvert on Church Road, and the Black Sluice Internal Drainage Board/LCC are to explain further riparian duties to residents. Details of additional enforcement requirements to the east of the village have been sent to the Black Sluice Internal Drainage Board.	Yes	LCC instigated modelling works for catchment area including the village which will take account of new private protection of properties that have been carried out since enforcement letters were sent in June 2013. Proposed culvert replacement programmed. Land Drainage Consent being sort.	LCC Black Sluice IDB	On-going	Feasibility, Design & Build 2014/15/16	S19-065
06-Jul-13	Cottage	Aswarby	West	Mark Heaton Area Highways Manager West Division Grantham	Water breached the banks of the South Beck and flooded adjacent agricultural land, cottage and garden. Flood water surrounded the property and outbuildings.	1	LCC - Yes Black Sluice IDB - Yes Environment Agency - Yes	Maintenance to South Beck which fronts the property. Environment Agency to undertake major weed control maintenance throughout the length of South Beck to increase capacity for flow. Environment Agency to review their existing maintenance regime of the South Beck to ensure flows can be accommodated through its length to South Forty Foot drain. Black Sluice to undertake enforcement of obstructions and maintenance on the riparian watercourses within its area.	No	Regular maintenance of Main Rivers & Riparian Watercourses being carried out.	LCC Black Sluice IDB EA	Completed	Complete Summer 2014	S19-066
23-Jul-13	York Road	Stamford	West	Mark Heaton Area Highways Manager West Division Grantham	Blocked gullies on Sussex Road causing water to back up in York Road resulting in internal flooding.	1	LCC - Yes South Kesteven District Council - Yes	LCC investigated a potential blockage and emptied gullies. Jetting required and installation of new gully on York Road.	No	Installation of a new double gully on York Road and connect to existing storm water system on Sussex Road completed in July 2014.	LCC AW	Completed	Complete Summer 2014	S19-067
6th Aug 2012	Gorse Hill Lane	Caythorpe	West	Mark Heaton Area Highways Manager West Division Grantham	Following an intense period of rain, excess surface water did not drain away fast enough from the gully at the boundary with Kings Hill. This caused surface water to flow across the carriageway and breach the verge and enter the property's driveway, subsequently overtopping the threshold causing internal flooding.	1	LCC - Yes	The profile of the carriageway may cause excess surface water to miss gullies at the boundary of Kings Hill. The installation of a vehicular access built to the correct specification may also prevent further occurrences of flooding by increasing the kerb height between the carriageway and the property.	No	Further investigations of the surface water system required, possibly aided by development plans for Kings Hill. Level survey and wet weather inspection to be carried out to establish validity of highway drains. Inspections & cleansing carried out and further investigations required.	LCC	On-going	Spring 2015	S19-068
21-Nov-12	Irnham road	Corby glen	West	Kevin Brumfield Area Highways Manager West Division Thurlby	Overland flow from adjacent farm land.	1	LCC - Yes	Resilience measures the property owner has taken will reduce the risk of surcharge from the private drain (non-return valve added). Works that have been undertaken by LCC Highways including jetting & CCTV of the system have identified possible improvement works, this would include additional inspection chambers and updating the system. Application for additional funding has been submitted for the installation of inspection chambers and upgrade of the sewer system.	No	Application submitted for funding to add inspection chambers and upgrade sewer system along a short section of Irnham Road.	LCC	On-going	Spring 2015	S19-069
26-Nov-12	The Grove	Hanthorpe	West	Kevin Brumfield Area Highways Manager West Division	Surcharge from dyke/drains.	1	LCC - Yes South Kesteven District Council - Yes	LCC investigations identified there was a culverted driveway which has a foul sewer connection crossing through it, which is causing a restriction to flow. Further restrictions included tree roots which have been removed. The culverted vehicle crossing has not been constructed as the original planning permission. This is currently under investigation by South Kesteven District Council. Remedial work carried out appears to have alleviated some of the problem. Further works planned include installation of a trash screen on the pond side to stop any large debris entering the watercourse.	No	Trash screen has been installed on the pond side of the culvert. LCC have undertaken highway drainage improvements in winter 2013 and have liaised with residents in regards to culvert improvements.	LCC SKDC	Completed	Complete Summer 2013	S19-070
23-Jul-13	Main Street	Long Bennington	West	Mark Heaton Area Highways Manager West Division Grantham	The rainfall event led to surface water from the Manor Drive estate flowing out of the junction to join the flow running along Main Road, which entered the property.	1	LCC - Yes Severn Trent Water - Yes	LCC jetted all highway surface water drainage in the area to ensure no blockages. Installation of kerbing and extra highway drainage has been completed. Investigation into the foul drain has been carried out by Severn Trent Water and two blockages/breaks in the system have been repaired.	No	All actions and recommendations carried out.	LCC STW	Completed	Complete Summer 2014	S19-071

**Duty to Investigate
On-going section 19 Investigations**

Lincolnshire County Council Section 19 Investigations										Identified Action/Works				
Date of Incident	Location	Town	Division	Contact Officer	Description of Flooding	No of Properties internally Flooded	Risk Management Authorities with Responsibilities and whether they are exercising functions	Actions and Recommendations	Consideration for inclusion in future Common Works Programme	Proposed Action/Works	Promoter	Status	Estimated Timescales	S19 Report File Reference
23-Jul-13	Oster Fen Lane	Claypole	West	Mark Heaton Area Highways Manager West Division Grantham	Due to heavy rainfall, a property suffered internal flooding. The owner reported that there was inadequate drainage along Oster Fen Lane and Main Street and the drainage system that was there, was not maintained. The road is covered in silt and the gullies were blocked with straw. The owner stated the road had previously flooded.	1	LCC - Yes South Kesteven District Council - Yes	LCC has cleaned and jetted the highway drainage system outside the property. The system was reported to be running well. Anglian Water CCTV'd the public sewer several weeks later and it identified tree roots to the extent that the survey had to be terminated. The removal of the tree roots has been undertaken and a further CCTV investigation is due to take place. The property owner is to investigate downpipes and gully at rear of property. SKDC to undertake regular carriageway sweeping in the village to reduce the amount of detritus to build up around the gullies.	No	Following CCTV survey of the drain & sewer, the sewer has had the required maintenance carried out. District Council to ensure carriageways are swept regularly.	LCC AW	Completed	Complete Summer 2014	S19-072
06-Aug-13	New Cross Roads	Stamford	West	Mark Heaton Area Highways Manager West Division Grantham	Standing water collected at the front of the property and caused internal flooding.	1	LCC - Yes Anglian Water - Yes	All highway drainage found to be running clear on New Cross Roads. However, the kerb drainage opposite the property was found to be blocked and required work to be carried out. A gully located on Sussex Road was also identified as being blocked with leaf matter & debris which was later cleared. Anglian Water to maintain its utility surface water drainage system. The property owner to maintain the rainwater outfall, and alterations to be made to the rainwater drainage of the properties here so rainfall is distributed more evenly and not concentrated in one location.	No	All actions and recommendations carried out.	LCC AW	Completed	Complete Summer 2014	S19-073
20-Oct-13	Kings School, Brook Street	Grantham	West	Mark Heaton Area Highways Manager West Division Grantham	Surface water flooding on carriageway caused water to enter the classroom and cellar.	1	LCC - Yes	LCC have cleaned and jetted out the carriageway gully. Further investigations required including a CCTV investigation.	No	LCC have cleaned and jetted out the carriageway gully. Further investigations to be carried out including a CCTV investigation and observations to ensure the drainage system is running adequately in the area.	LCC	Complete	Complete spring 2014	S19-074
22-May-14	Beadhouse Bank	Bourne	West	Kevin Brumfield Area Highways Manager West Division Thurlby	Due to heavy rainfall surface water built up on the unmade road outside the property to an extent where it flowed into the garden to the front door, at which point it entered the property.	1	LCC - Yes	LCC highways are undertaking a resurfacing scheme of Beadhouse Bank, this will level the road with a cross fall towards the existing tarmac section, water will flow away from the properties towards the existing highway gully. The resident has been recommended to install a kerb line to act as a barrier between the highway and the private property. However, LCC to carry out footway improvements works in the area in 2015.	No	Resurfacing scheme to be undertaken including the construction of a kerb line between the private property and highway to act as a barrier.	LCC	On-going	Summer 2015	S19-080
22-May-14	Spalding Road	Bourne	West	Kevin Brumfield Area Highways Manager West Division Thurlby	Due to heavy rainfall, surface water built up on the carriageway outside the property, and flowed into the access/gateway/garden, at which point it entered the property via the side door.	1	LCC - Yes	LCC have cleaned and jetted the four highway gullies in close proximity to the property. Additionally, the resident was recommended to alter the direction of the downpipe close to the side door where the water entered the property.	No	All LCC action and recommendations carried out.	LCC	Completed	Complete Summer 2014	S19-081
23-May-14	Main Street	Dorrington	West	Rowan Smith Area Highways Manager West Division Sleaford	During a period of heavy rainfall this property suffered internal flooding from the lateral sewer beneath the property where water came up through the living room floor. The second event was caused by overland flow where flood water from the garden came in through the rear patio doors.	1	LCC - Yes Anglian Water - Yes	Following investigations it is assumed that saturated land and heavy rainfall caused overland water to flow down the gradient to the property. The lateral sewer located beneath the property was blocked by foreign objects which caused the sewer to burst and push water up through the floor. Anglian Water investigated as to where the excess water came from and suggested that it may have gained access from the foul system through the kitchens open gulleys at the rear of the property. LCC highways are considering installing additional gullies near the property and undertake a survey of the dyke to the rear of the property to determine the outfall on the southern side of the village. Anglian Water to carry out further investigations into ensuring where possible, the excess surface water does not enter the foul water system. The Internal Drainage Board has been requested to continue monitoring of the dykes, and take enforcement as necessary. The riparian owner to maintain the dykes that they are responsible for and not to do anything that may restrict their flow.	No	LCC to consider installation of new gullies near the property. AW to carryout investigations into the foul sewer system. IDB to continue the monitoring of the dykes and enforce as required. Riparian owner to maintain the dykes and ensure they do not restrict their flow.	LCC AW IDB	Partially Completed	Summer 2015	S19-084
09-Jul-14	West Street	Barkston	West	Mark Heaton Area Highways Manager West Division-Grantham	Following heavy rain, the property incurred internal flooding. Excess surface water missed the gullies and flowed onto the property, through the front door to the kitchen at the rear of the property.	1	LCC - Yes	Following the investigations carried out and the communication between the resident and LCC highways, it was proposed to lift the up stand of the kerb face and install a new gully outside the property.	No	All the actions and recommendations have been completed.	LCC	Completed	Complete Autumn 2014	S19-085
22-May-14	The Lea	Leasingham	West	Rowan Smith Area Highways Manager West Division-Sleaford	Internal flooding caused by surface water from the highway unable to drain away due to a blocked sewer caused by tree intrusion.	1	LCC - Yes Anglian Water - Yes	Carry out an investigation and ensure any blockages or damage to the sewer be repaired and removed as required.	No	Investigation carried out by Anglian Water and the installation of a drain liner was carried out.	LCC AW	Completed	Complete Autumn 2014	S19-086

**Duty to Investigate
On-going section 19 Investigations**

Lincolnshire County Council Section 19 Investigations										Identified Action/Works				
Date of Incident	Location	Town	Division	Contact Officer	Description of Flooding	No of Properties internally Flooded	Risk Management Authorities with Responsibilities and whether they are exercising functions	Actions and Recommendations	Consideration for inclusion in future Common Works Programme	Proposed Action/Works	Promoter	Status	Estimated Timescales	S19 Report File Reference
22-May-14	Horsegate	Deeping St James	West	Kevin Brumfield Area Highways Manager West Division- Thurby	Following torrential rain, excess water on the carriageway forced water to overtop the footway and enter the properties causing internal flooding to the public house.	1	LCC - Yes AW - Yes WDIDB - Yes	LCC to repair blockages in highway surface water system. Welland & Deepings IDB to clear the identified blockages /diversion in their system and ensure the entry feed in the High Street is closed during weather warnings or during periods of heavy rain to ensure there is capacity for surface water two drain away. AW to maintain the surface water drainage systems with recommendation that its system diverts into the watercourse on the High Street instead of linking with the WDIDB watercourse. Resident to consider adding drainage to their exit to the driveway.	No	Maintenance work to be carried out by LCC. Property owner advised on preventative measures to protect the property. AW to clean & jet its system and divert the current system into the watercourse on the high street. its their entry feed on the High Street is closed during periods of heavy rain.	LCC AW WDIDB	On-going	Summer 2015	S19-105
22-May-14	Horsegate	Deeping St James	West	Kevin Brumfield Area Highways Manager West Division- Thurby	Following torrential rain, excess water on the carriageway forced water to overtop the footway and enter the properties causing internal flooding to the residential properties.	3	LCC - Yes AW - Yes WDIDB - Yes	LCC to repair blockages in highway surface water system. AW to maintain the surface water drainage systems with recommendation that its system diverts into the watercourse on the High Street instead of linking with the WDIDB watercourse. Welland & Deepings IDB to clear the identified blockages /diversion in their system and ensure the entry feed in the High Street is closed during weather warnings or during periods of heavy rain to ensure there is capacity for surface water two drain away.	No	Maintenance work to be carried out by LCC. Property owner advised on preventative measures to protect the property. AW to clean & jet its system and divert the current system into the watercourse on the high street. its their entry feed on the High Street is closed during periods of heavy rain.	LCC AW WDIDB	On-going	Summer 2015	S19-106
22-May-14	Market Place	Market Deeping	West	Kevin Brumfield Area Highways Manager West Division- Thurby	Following torrential rain, there was excess water on the carriageway. The surface water drains were overwhelmed and when vehicles passed through the standing surface water, bow waves forced water to overtop the footway and enter the properties causing internal flooding.	1	LCC - Yes AW - Yes WDIDB - Yes	LCC to carry out maintenance work on the surface water drainage system. AW to maintain utility surface drainage systems. Property owner to maintain the rainwater drainage systems and consider further drainage to allow the escape of water from the low front area.	No	Maintenance work to be carried out by LCC. Property owner advised on preventative measures to protect the property. AW to continue with regular inspections & maintenance.	LCC AW	On-going	Summer 2015	S19-107
22-May-14	Market Place	Market Deeping	West	Kevin Brumfield Area Highways Manager West Division- Thurby	Following torrential rain that fell in a short period, excess surface water on the carriageway, forced water to overtop the footway by passing vehicles and enter the property causing internal flooding.	1	LCC - Yes Anglian Water - Yes	LCC to carry out maintenance work on the surface water drainage system. Aw to maintain utility surface drainage systems. Property owner to maintain the rainwater drainage systems and consider further drainage to allow the escape of water from the low front area.	No	Maintenance work to be carried out by LCC. Property owner advised on preventative measures to protect the property. AW to continue with regular inspections & maintenance.	LCC AW	On-going	Summer 2015	S19-108
08-Aug-14	Casewick Lane	Uffington	West	Kevin Brumfield Area Highways Manager West Division- Thurby	During a short burst of heavy rainfall, surface water entered the conservatory.	1	LCC - Yes	LCC have recommended that the kerb hight be increased to ensure rainwater is directed away from the property and into the gully, additional gullies will be placed along the carriageway. AW to continue to maintain their system.	No	LCC to lift the kerb height and install additional gullies. Works to commence in 2015.	LCC AW	On-going	Summer 2015	S19-109