APPENDIX 2

openc	1	leasures (Schem		DE %	Whole Scheme						Load	Support	Last
Prior	ity Current phase	Completion Date	Measure	Score	Estimated Cost	Location (if applicable)	Category	Relevant Objective from LFRMS	Progress/Comments (reference other sources of information)	Benefits/ Outcome	Organisation	Organisation	Review
RENT	SCHEMES AND FEA	SIBILITY STUDIES											
Hig	gh Feasibility	2018	Leeds Flood Alleviation Scheme Phase 2, River Aire City Centre to Upper Catchment	TBC	£112m	River Aire - City Centre to Upper Catchment	3. Studies, schemes, assessments and plans	6. Improve understanding of local flood risk and seek to decrease local flood risk.	Phase 2 of the Leeds FAS, looking at solutions across the whole catchment upstream of Leeds that will reduce flooc risk to the city along the river Aire. Modelling and feasibility work largely complete, Outline Business Case submitted the EA and Treasury Jan 2018. Moving in to more detailed design in 2016 with construction starting late 2018 early 2019, advanced works have taken place on some 'quick win' items and works at Stourton about to start as is a programme of advanced maintenance and stewardship	0	LCC Flood Risk Management	Environment Agency	17/10/2
Hig	gh Design / Construct (on hold)	ion 2018	Queen Street Culvert	NA	твс	Allerton Bywater	3. Studies, schemes, assessments and plans	6. Improve understanding of local flood risk and seek to decrease local flood risk.	Outline design completed. Japanese knotweed treatment taking place this is a 3 year programme due to complete in 2018	Reduce risk of flooding	LCC Flood Risk Management	Environment Agency	17/10/2
) Hig	gh Design / Construc	ion 2019	Hawthorn Terrace Flood Alleviation Scheme Phase 2	TBC	TBC	West Garforth	Studies, schemes, assessments and plans	6. Improve understanding of local flood risk and seek to decrease local flood risk.	Initial scheme completed, but further defects with existing assets and connected infrastructure identified so further works needed and being designed	Reduced risk of flooding	LCC Flood Risk Management	Environment Agency	17/10/2
i Hig	gh Construction	2019	Killingbeck Meadows Flood Alleviation Scheme	TBC	£1.6m	Halton Moor	3. Studies, schemes, assessments and plans	6. Improve understanding of local flood risk and seek to decrease local flood risk.	Flooding to residential and commercial areas from Wyke Beck. Accelerated scheme due to combining the benefits of releasing development sites (11 housing sites and land within the Enterprise Zone and providing green infrastructure improvements to a Local Nature reserve as well as providing flood risk reduction, this scheme should receive plannin permission in March 2018 and become a registered flood storage area under the Reservoirs Act. This forms part of a joint Wyke Beck Programme delivering housing growth from Brownfield land and Local Nature resrve and green spac improvements.	^g The risk of flooding will be managed	LCC Flood Risk Management	Environment Agency	17/10/20
i Hig	gh Feasibility	2019	Farnley Wood Beck Flood Alleviation Scheme	104%	£500k	Cottingley	3. Studies, schemes, assessments and plans	6. Improve understanding of local flood risk and seek to decrease local flood risk.	Flood risk to residential areas, long term issue - scheme being scoped, developer contribution secured, this scheme i	Reduce nood lisk from Familey wood beck	LCC Flood Risk Management	Environment Agency	17/10/20
Hig	gh Feasibility	2020	Lin Dyke Catchment Assessment - Upper and Middle catchments	TBC	£1.25m	Garforth & Kippax	3. Studies, schemes, assessments and plans	Improve understanding of local flood risk and seek to decrease local flood risk.	Continuation of work included in Section 19 Report, regarding flooding of the SE Leeds area in August 2014 and 201: design works are contuining to be progressed as schemes are identifier	5, Reduced risk of flooding	LCC Flood Risk	Environment Agency	17/10/20
Hig	gh Feasibility	2020	Wyke Beck Catchment Assessment	NA	£50k	Communities along Wyke Beck	3. Studies, schemes, assessments and plans	6. Improve understanding of local flood risk and seek to decrease local flood risk.	Continuation of work carried out by both LCC & EA within the Durhills, this has now progressed in to a catchment wid approach bringing together the EA and many departments across LCC, resulting in an initial stage bid to the LEP for ESIF funding to complete various schemes including Killingbeck meadows		Management LCC Flood Risk Management	Environment Agency	17/10/20
Hig	gh Feasibility	2020	Wortley Beck Flood Alleviation Scheme	111%	£1.1m	Wortley Beck	3. Studies, schemes, assessments and plans	6. Improve understanding of local flood risk and seek to decrease local flood risk.	Flooding to residential area and outer ring road. Work in partnership with the EA and YWS to develop a detailed flooc alleviation scheme that integrates with all sources of flooding. This measure is listed in the Aire Catchment Flood Rist Management Plan.		LCC Flood Risk Management	Environment Agency	17/10/2
Hig	gh Feasibility	2020	Wharfedale Flooded Communities Study	NA	£90k	Collingham, Linton, Wetherby, Thorp Arch	3. Studies, schemes, assessments and plans	6. Improve understanding of local flood risk and seek to decrease local flood risk.	Llinked to wider catchment partnership work and Otley Flood Allevation Study, initial modelling work currently being assessed	Reduce risk of flooding	LCC Flood Risk Management	Environment Agency	17/10/2
Hig	gh Design/ Construc	ion 2021	Lower Mickletown Road Flood Embankment	138%	£1.1m	Mickletown	3. Studies, schemes, assessments and plans	6. Improve understanding of local flood risk and seek to decrease local flood risk.	Construction of larger flood embankment along Lower Mickletown Road to protect properties from flooding. Being taken forward separatley from Mickletown (Pit Lane) Flood Embankment as is substantially larger scheme. New mod information only recently developed scheme proposal to be assessed in line with the	el Reduce risk of flooding	LCC Flood Risk Management	Environment Agency	17/10/20
B Hig	gh Feasibility	2021	Otley Flood Alleviation Scheme	твс	£2m	Otley	3. Studies, schemes, assessments and plans	6. Improve understanding of local flood risk and seek to decrease local flood risk.	Initial £90k studied greatly extended to develop full Otley FAS to be constructed by December 2020, currently assessing shortlisted options to identify solutions to protect 58 properties from flooding, funding announced in the Autumn Statement 2016 linked to wider catchment partnership work and Wharfedale Flooded communities study	Reduce risk of flooding	LCC Flood Risk Management	Environment Agency	17/10/20
Hig	gh Design (on hole) TBC	Barnsdale Road Property Level Protection Scheme	TBC	твс	Allerton Bywater	3. Studies, schemes, assessments and plans	6. Improve understanding of local flood risk and seek to decrease local flood risk.	Surface water flooding to properties. Install property level protection measures - flood barriers and doors to reduce flo risk to residential properties on Barnsdale Road. Funding has now been made available from Local Levy. This is currently on hold due to changes in the ownership of the properties involved to allow time to link with their plans for th properties	Reduce risk of flooding	LCC Flood Risk Management	Environment Agency	17/10/20
Medi	ium Pre Outline Busin	2021	Potternewton Surface Water Flood Alleviation Scheme	153%	£250k	Potternewton	3. Studies, schemes, assessments and plans	6. Improve understanding of local flood risk and seek to decrease local flood risk.	Surface water flooding. Install attenuation and pumping station to remove flood water to adjacent culverted watercourse. Local levy funding secured	Reduce risk of flooding	LCC Flood Risk Management	Environment Agency	17/10/2
Medi	ium Pre Outline Busin	2022	Thorner Beck Flood Alleviation Scheme	101%	£150k	Thorner	3. Studies, schemes, assessments	Improve understanding of local flood risk and seek to decrease local flood risk.	Restricted capacity of existing culverts causing overland flooding. Improve Culvert capacity. Local levy funding secure	ed Reduce risk of flooding	LCC Flood Risk	Environment Agency	17/10/2
Medi	Pre Outline Busin	ess 2022	Victoria Road Surface Water Flood Alleviation Scheme	100%	£250k	Guiseley	and plans 3. Studies, schemes, assessments	 Improve understanding of local flood risk and seek to decrease local flood risk. 	Surface water flooding to properties. Install attenuation and pumping station to remove flood water to adjacent culver	el Reduce risk of flooding	Management LCC Flood Risk	Environment Agency	17/10/2
B Lo	Pre Outline Busin Case	ess 2020	Sheepscar: evaluate the condition of formal and informal flood defences along the Sheepscar Beck which were recently breached to identify potential remedial works required.		твс	Sheepscar	and plans 4. Asset management and maintenance	6. Improve understanding of local flood risk and seek to decrease local flood risk.	watercourse. Evaluate flood defence improvement works required.	Helps ensure that problems or new works are identified to prevent recurrence of flooding.	Management LCC Flood Risk Management	Environment Agency	
Lo	Pre Outline Busin Case	2020	Develop and implement feasibility studies for fluvial flood alleviation schem to improve the standard of protection along Meanwood Beck, Bagley Beck and Famley Wood Beck - integrating with all sources of flooding.		твс		3. Studies, schemes, assessments and plans	6. Improve understanding of local flood risk and seek to decrease local flood risk.	This measure is listed in the Aire Catchment Flood Risk Management Plan for the Leeds Policy Unit - to be progress by 2030.	Helps ensure that areas with proven flood risk are provided with an appropriate flood defence scheme at the earliest possible opportunity and that the Council supports the EA in developing any flood alleviation scheme in the longer-term	Agency	Leeds City Council & Yorkshire Water Services	17/10/
3	Ongoing	NA	Improvements to surface water drainage outfalls	NA	TBC	City wide	 Asset management and maintenance 	6. Improve understanding of local flood risk and seek to decrease local flood risk.	Identify improvments to improve discharge of surface water from flooding hot spots, work programme ongoing	Reduce risk of flooding	LCC Flood Risk Management	Yorkshire Water Services	17/10/2
	Ongoing	NA	LCC Significant Maintenance	NA	TBC	Across the District	4. Asset management and maintenance	6. Improve understanding of local flood risk and seek to decrease local flood risk.	Continuation of regular maintenance of Watercourses and Hot-Spots	Reduced risk of flooding	LCC Flood Risk Management	Yorkshire Water Services & Environmer	nt 17/10/20

COMPLETED	SCHEMES AND FEASIB	ILITY STUDIES SIN	ICE 2011										
S22	Completed	2011	Flood Alleviation Scheme - Leeds Road (Allerton Bywater) pumping station (local levy)	NA	£34k	Allerton Bywater	3. Studies, schemes, assessments and plans	6. Improve understanding of local flood risk and seek to decrease local flood risk.	Scheme Completed	Reduce risk of flooding	LCC Flood Risk Management	Environment Agency	17/10/2018
S23	Completed	2011	Newton Road property protection and resilience scheme	NA	£88k (estimated)	Newton Road, Potternewton	Studies, schemes, assessments and plans	6. Improve understanding of local flood risk and seek to decrease local flood risk.	Scheme Completed	Improve flood resistance and resilience of properties	LCC Flood Risk Management	Environment Agency	17/10/2018
S24	Completed	2011	Lower Wortley - property protection and resilience scheme	NA	£47k (estimated)	Lower Wortley	 Studies, schemes, assessments and plans 	6. Improve understanding of local flood risk and seek to decrease local flood risk.	Scheme Completed	Improve flood resistance and resilience of properties	LCC Flood Risk Management	Environment Agency	17/10/2018
S25	Completed	2011	Church Lane, Bardsey - property protection and resilience scheme	NA	£10k (estimated)	Bardsey	3. Studies, schemes, assessments	6. Improve understanding of local flood risk and seek to decrease local flood risk.	Scheme Completed	Improve flood resistance and resilience of properties	LCC Flood Risk Management	Environment Agency	17/10/2018
S26	Completed	2011	Dean Park Drive, Drighlington - property protection and resilience scheme	NA	£25k (estimated)	Drighlington	and plans 3. Studies, schemes, assessments and plans	6. Improve understanding of local flood risk and seek to decrease local flood risk.	Scheme Completed	Improve flood resistance and resilience of properties	LCC Flood Risk Management	Environment Agency	17/10/2018
S27	Completed	2012	Barley Hill Recreation Ground - (Local Levy)	NA	£113k	West Garforth	and plans 3. Studies, schemes, assessments and plans	6. Improve understanding of local flood risk and seek to decrease local flood risk.	Scheme Completed	Reduce risk of flooding	Management LCC Parks and Countryside	Environment Agency	17/10/2018
S28	Completed	2013	Oakdene, Watercourse Improvements	NA	£8k	Swillington	3. Studies, schemes, assessments and plans	6. Improve understanding of local flood risk and seek to decrease local flood risk.	Scheme Completed	Reduce risk of flooding	LCC Flood Risk Management	Environment Agency	17/10/2018
S1	Completed	2014	Lowther Road, Garforth - Culvert Improvements	NA	£84k	Garforth	3. Studies, schemes, assessments and plans	6. Improve understanding of local flood risk and seek to decrease local flood risk.	Scheme Completed	Improve flood resistance and resilience of properties	LCC Flood Risk Management LCC Flood Risk	Environment Agency	17/10/2018
S4	Completed	2014	Wellhouse Drive Flood Alleviation Scheme	NA	£22k (estimated)	Gledhow	3. Studies, schemes, assessments and plans	6. Improve understanding of local flood risk and seek to decrease local flood risk.	Scheme Completed	Reduce lisk of hooding	Management	Environment Agency	17/10/2018
S7	Completed	2014	Culvert Headwall Repair Scheme - (Local Levy)	NA	£36k	Otley	Studies, schemes, assessments and plans	6. Improve understanding of local flood risk and seek to decrease local flood risk.	Scheme Completed		LCC Flood Risk Management	Environment Agency	17/10/2018
S3	Completed	2017	Leeds Flood Alleviation Scheme Phase 1, River Aire City Centre	100%	£50m	River Aire - City Centre	3. Studies, schemes, assessments and plans	6. Improve understanding of local flood risk and seek to decrease local flood risk.	Scheme Completed	Reduce flood risk from River Aire	Management LCC Civil Engineering Projects	Environment Agency	17/10/2018
S34	Completed	2017	Glebelands Recreation Ground	101%	£70k	Garforth	Studies, schemes, assessments and plans	6. Improve understanding of local flood risk and seek to decrease local flood risk.	Scheme Completed	Reduce risk of flooding	LCC Parks and Countryside	Environment Agency	17/10/2018
S36	Completed	2017	Barley Hill Recreation Ground Phase 2	NA	£160k	West Garforth	 Studies, schemes, assessments and plans 	6. Improve understanding of local flood risk and seek to decrease local flood risk.	Scheme Completed	Reduce risk of flooding	LCC Parks and Countryside	Environment Agency	17/10/2018
S2	Completed	2017	Ramsden Street, Kippax, Flood Alleviation Scheme - (Local Levy & FDGiA)	NA	£220k	Kippax	and plans 3. Studies, schemes, assessments and plans	6. Improve understanding of local flood risk and seek to decrease local flood risk.	Scheme Completed	Reduce risk of flooding	LCC Flood Risk Management	Environment Agency	17/10/2018
S14	Completed	2017	Carry out flood warning feasibility studies for Wortley Beck and Meanwood Beck and implement findings.	NA	£10k	Wortley Beck and Meanwood Beck	1. Flood awareness, response and recovery	 Improve understanding of local flood risk and seek to decrease local flood risk. 	This measure is listed in the Aire Catchment Flood Risk Management Plan	Establish the potential for advanced warning of flooding. Develop more accurate flood warnings for tributaries of the River Aire which will result in reduction of economic damages and improve community safety.	Environment Agency	Leeds City Council	17/10/2018
S35	Completed	2018	Westfields, Allerton Bywater	101%	£600k	Allerton Bywater	Studies, schemes, assessments and plans	6. Improve understanding of local flood risk and seek to decrease local flood risk.	Scheme Completed	Reduce risk of flooding	LCC Flood Risk Management	Environment Agency	17/10/2018
S32	Completed	2016	Hawthorn Terrace Flood Alleviation Scheme Phase 1	125%	£47k	West Garforth	and plans 3. Studies, schemes, assessments and plans	6. Improve understanding of local flood risk and seek to decrease local flood risk.	Initial scheme completed, but further defects with existing assets and connected infrastructure identified so furthe works needed and being designed	Reduced risk of flooding	Management LCC Flood Risk Management	Environment Agency	17/10/2018
S20	Superceded	2020	Investigate the interaction between the Leeds and Liverpool Canal and the River Aire.	твс	£10k	River Aire and Liverpool Cana	3. Studies, schemes, assessments and plans	 Improve understanding of local flood risk and seek to decrease local flood risk. 	This study should identify the potential for managing this interaction to ensure that flood risk is managed effectively. T measure is listed in the Aire Aire Catchment Flood Risk Management Plan for the Leeds Policy Unit - to be progresse by 2030 this has now been included in the scope of Phase 2 of the Leeds Flood Alleviation Scheme	d the risk of flooding posed by the Leeds & Liverpool	Environment Agency	Canal & River Trust	17/10/2018
S8	Transferred	NA	Cotton Mill Beck Culvert, Valley Road	NA	£25k	Morley	3. Studies, schemes, assessments and plans	6. Improve understanding of local flood risk and seek to decrease local flood risk.	Scheme transferred to Network Rail for Review	Reduce risk of flooding	LCC Flood Risk Management	Environment Agency	17/10/2018
S13	Transferred	NA	Wakefield Road Flood Alleviation Scheme (transferred to S31)	102%	£190k	West Garforth	 Studies, schemes, assessments and plans 	6. Improve understanding of local flood risk and seek to decrease local flood risk.	Restricted culvert and surface water flow. Install new culvert and widen highway ditch, design being reviewed in line w the findings from the Lin Dyke study as per the above line	/if Reduce risk of flooding	Management LCC Flood Risk Management	Environment Agency	17/10/2018
S6	Transferred	NA	Mickletown (Pit Lane) Flood Embankment (transferred to S9)	153%	£400k	Mickletown	3. Studies, schemes, assessments and plans	6. Improve understanding of local flood risk and seek to decrease local flood risk.	Assessment of a proposed setback bank is being Carried out, funding from FCRM GiA and Developer Contribution. Being taken forward separatley from larger scheme - Lower Mickletown Road Flood Embankment, relies on much delaved Lower Aire Modellina work now being reviewed by LCC consultants		LCC Flood Risk Management	Environment Agency	17/10/2018