

Making Mansfield Full Place Board Agenda

16th July 2021

Mansfield District Council

Virtual Teams Meeting Hosted by Vision West Nottinghamshire College

Agenda

Minutes: S.Patrick

1.	Introduction of meeting	Verbal	A.Cropley	11.00am
2.	Addition of Severn Trent Water to the board	Vote	A.Cropley	11.05
3.	Declaration of Conflict of Interests	Verbal	A.Cropley	11.10am
4.	Review of Previous Minutes and actions	Verbal	A.Cropley	11.15am
5.	Severn Trent Water Introduction	Discussion / Verbal	A.Boucher	11.25am
6.	Towns Fund Project Update and Urban Greening Update	Report/Verbal	MDC	11.45am
7.	Smart and Branding Stakeholder and Soft Market Testing	Discussion and Report	MDC	12.10pm
8.	Levelling Up Update	Verbal	M.Robinson	12.40
9.	CRF update	Verbal	NCC	12.50pm
10.	Date of next meeting	Verbal	M.Wright	Close

Making Mansfield Place Board
Date of Meeting: 28th April 2021 3.00 pm
Via Microsoft Teams

Chair: Andrew Cropley -Vision West Notts; **Vice Chair:** Richard Crisp - Mansfield Building Society
 Elected Mayor Andy Abrahams MDC Board representative, Ben Bradley MP, Matthew Neal - NCC
 Gary Jordan -Mansfield and Ashfield 2020; Kath Jepson – B Jephson Mansfield Ltd, Councillor Stuart Richardson – MDC, Sharon Hutley –
 NTU, Michael Fisher – Linneys, Andy Dean – Business Consultant, Kevin Sharma - NCC, Sandhya Ward - , Melanie Pythian – BEIS, Nikki
 Rolls – Mansfield BID

Mansfield District Council Officers

Mariam Amos Director; Michael Robinson Director; Matt Wright- Senior Regeneration Officer; Katie Mills - Principal Planning Officer, Gemma
 Denton – Senior Regeneration Officer, Sarah Troman – Head of Neighbourhood Services,

Apologies; Hayley Barsby Chief Executive Officer; Steve Morris, CVS, Sean Parkes - NCC

Chair: Andrew Cropley, West Notts College

Vice Chair:

Item:	Discussion Notes:	Actions:	Timescale:
Introduction of meeting Andrew Cropley: Verbal	Andrew Cropley welcomed everyone to the meeting		
New member consideration Andrew Cropley: Verbal	New board member recommendation from Oxford Innovation – David Smith – Director of I-Centre in Mansfield. Proposed to accept David Smith to the Board: Accepted unanimously on to the Mansfield Place Board David Smith introduced himself to the Board.		

<p>Declaration of Conflict of Interests: Andrew Cropley Verbal</p>	<p>Andrew Cropley – interest in the Future Tech Skills</p> <p>Sharon Hutley – interest in the Future Tech Skills</p> <p>Parish Councillor Andrew Burgin – Attending in role as Parish Councillor but also part of Mayor’s Cabinet at Mansfield.</p>		
<p>Review of previous minutes: Andrew Cropley Verbal</p>	<p>Minutes circulated:</p> <p>Private sector representation has been voted on to the board.</p> <p>HB met with Claire Cuthbert from Evolve Trust</p> <p>All actions completed.</p> <p>Agreed as a true and accurate record.</p>		
<p>Towns Fund Heads of Terms update: Mike Robinson; verbal</p>	<p>Comments and Questions to note:</p> <p>Heads of Terms received from MHCLG which included an error as the NTU / MDC student accommodation project was not included for support. NTU and MDC still working together and looking at Clumber House.</p> <p>Heads of Terms have been signed and the offer accepted and were returned to Government on 24th March 2021. Two months to confirm which projects will move forward.</p> <p>Detailed business cases to be completed within 12 months.</p>		

	<p>Not obliged to send off business cases for formal approval but MDC could be spot checked for assurance.</p> <p>KJ: concerned with time limits and that projects can be completed. MR advised worked with #MYTOWN and listened to what the district businesses and residents desired hence many projects in need of more development but assurance process in place to address this.</p>		
<p>6. Towns Fund Project Update, Prioritisation, Governance and Partner Business Case Workup Arrangements</p> <p>Mariam Amos report</p>	<p>The Healthy Mansfield revenue project to deliver health projects across the district, much of the transport proposals and The Mansfield Student Accommodation Project were not endorsed by Government for funding in the TIP.</p> <p>The Mansfield Hub (Mansfield Connect) – to be developed through the forthcoming Levelling Up Fund, seeking a higher rate of funding to deliver a truly transformational project for the town</p> <p>The Warsop Heritage Action Zone – omitted and shelved for a future funding pot from the Heritage Lottery Fund. Mansfield currently has the Leeming Street Heritage Fund work ongoing, once this project is completed capacity for delivery of a similar scheme in Warsop will open up.</p> <p>Recommended to agree these projects to move forward and develop business cases:</p> <p>AGREED to support these projects</p>		

	<p>Warsop Community Health Hub</p> <p>Destination Mansfield Branding</p> <p>Future Tech Knowledge and Skills Exchange</p> <p>Mansfield Woodhouse Micro Tech</p> <p>MW to circulate the presentations given at the meeting</p> <p>Three projects to discuss for inclusion/exclusion</p> <p>Smart Mansfield Project</p> <p>Cycling Infrastructure Improvements</p> <p>Destination Parks</p>	<p>MW to circulate presentations to the Board</p>	
<p>6a. Smart Project Presentation A Dean; Presentation</p>	<p>Andy Dean - Business Consultant. Questions and comments to note:</p> <p>KJ – financial diagram showing ongoing costs is appreciated.</p> <p>BB – concerns how this is put across in an application and timescales for the project shown.</p> <p>AD – need to focus and define what Mansfield wants, with four key areas of progress but there will be requirements to cull a couple of the projects, and can work through and deliver within the 12 months, suppliers have documented evidence how wayfinding mechanism has been implemented previously.</p>		

	<p>MF – run some exercises and consult on what people need so they are taken up and adopted.</p> <p>AD – mapped the needs of the town.</p> <p>MF can work with social media platforms in the town.</p> <p>NR- from a town centre perspective the ANPR parking is absolutely essential and a missing provision in town. AD – need to look at options and companies can offer solutions</p> <p>MF – Just Park is an app that allows people to find parking spaces</p> <p>BB do we need to explore if there are apps and systems already in place.</p> <p>MP – decisions made locally for projects that can assure they will be worked up within the year then Towns Fund would be accepting of a full business case.</p> <p>DA – alerts available to send texts to show where there are health and social care offers and resources. Would welcome a meeting outside of this meeting.</p> <p>It would be well worth speaking to the Towns Fund Delivery Partnership to see if there are any other Towns Fund places that have/or are planning similar schemes. Melanie Pythian can pick this up.</p> <p>This could be a pilot phase and considered under the Levelling up Fund.</p>	<p>MP to liaise with the Town Fund Delivery Partnership</p>	
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	<p>BB - perhaps to use this to set up a network and run just 1 or 2 small projects as a pilot using that network, and look to progress to a much bigger long term proposal as part of the Mansfield Connect bid in to the Levelling Up fund, having then got the basic network in place to be able to add things on. That would also give us more time to work up the cases for some of the projects</p> <p>MR - social media plotting sounds like a great offer to pursue irrespective of whether we allocate Town Fund to this project or future funding</p> <p>Cllr Richardson – how would we get involved in revenue streams from the SMART Network and is there evidence of other towns doing this?</p> <p>AD – base stations using LP WAN system could be used. Wayfinding platforms, people can connect and businesses can pass information through this. These options could help to generate income. AD will send a link to MW to pass out to the board</p> <p>The point about the difference between Smart versus high tech – i.e. the former uses data to then inform and drive development of activity, planning of resources etc - is key. Just using an app is tech use, using the data from that app to develop provision is Smart.</p>	<p>MW to send a link to towns using these technology for revenue funding options.</p>	
<p>6b. Cycling Project</p>	<p>Presentation by Matthew Neal (NCC) - circulated</p>		

<p>Presentation M Neal S Parks</p>	<p>Questions and comments to note</p> <p>Include cycling infrastructure in the costings</p> <p>MN – working with MDC and how this links into town centre, including parking for cycling hubs</p> <p>KJ – would this better to split between Town Fund and Levelling up fund due to time constraints with transport issues.</p> <p>MA – Levelling up is £20 million and for a maximum of three projects and there has to be connectivity between the projects.</p> <p>MN – there is a risk that could be manageable. KS would have to work with what we already have and fit in the project.</p> <p>BB – what needs does WNC have for students and cycling and what evidence is out that cycle lanes make more people to cycle.</p> <p>AC – not a great number of cyclists but it is cycle storage rather than roads and cycle lanes but this may change it town centre accommodation is built.</p> <p>KS – this varies from one area to another, % increases are seen.</p> <p>AA – this is an aspirational opportunity that will benefit for many years and hopefully will encourage people to take up cycling.</p>		
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<p>6c. Destination Parks Project Presentation S Troman</p>	<p>Sarah Troman gave a presentation on Destination Parks</p> <p>Other parks in the region offer revenue options for activities and entertainment,</p> <p>ST – link parks and cycle routes</p> <p>Learn to cycle track at Bellamy and is not too far from George V Park</p> <p>GJ - some great ideas here for getting locals and visitors engaged in club, outdoor, sports and cultural activities. Much easier sell to the public as a destination locality than getting people on their bike. Markeaton park is a good example but Sutton Lawns is something to look at too? Link cycling as a second phase for the future when Mansfield is active again.</p> <p>BB - agree with Gary that the leisure attraction is key selling point as opposed to cycling... but benefits of cycle routes make far more sense to me here with a clear leisure offer and links across all of these attractions than they do on the A60, I must say</p> <p>ST still waiting for costings for some of the ideas, a lot of facilities are already there and can be adapted and updated.</p> <p>NR – Smart Cities and Destination Parks should be Option 3.</p> <p>AA – can we merge these so Destination Parks is £2 million, Cycle project £1 million and Smart Cities £1 million</p>	<p>MF to work on names for routes</p>	
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	<p>KS - Cycle project would have to prioritise on town centre and parking element and come up with options.</p> <p>Could the cycle network link in with destination parks. ST – the current trails do not link to the town centre currently.</p> <p>ST could work with MN and KS at NCC to bring a project together.</p> <p>MW advised there can be a mixture of the projects for £4 million. MP advised if you join two projects together the financial envelope could be bigger.</p> <p>AC – if the place board backs the Smart Cities and Parks and come back with a proposition and costs and options that can be refined can we agree to this proposal.</p> <p>MP – project confirmation required initially but if there are changes to projects then would have to contact Towns Fund and request these changes</p> <p>Proposal Allocate approximately £1 million for the Smart Cites and £3 million for Destination parks and integrated cycle project.</p> <p>AD – clarity required if there will be a procurement process, MW confirmed this. AC- Link up Smart Cities with Levelling up fund bid.</p> <p>MR – if not spending funding on cycle routes then look to allocate some town centre requirements including cycle storage.</p>	<p>ST to meet with NCC to discuss a joint project</p>	
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	<p>BB – Smart Mansfield can be put in place as a pilot then add and expand. Destination Parks and sustainable travel.</p> <p>Recommendation: to allocate £3 million for Destination parks and cycle infrastructure.</p> <p>£1 Million smart cities</p> <p>RC – need to show town centre project inclusion such as cycle storage.</p> <p>AGREED to put forward the suggestion</p>		
<p>6. d Decision on Prioritised Projects Discussion: ALL</p>	<p>Recommendation: to allocate £3 million for Destination parks and cycle infrastructure.</p> <p>£1 Million smart cities</p> <p>RC – need to show town centre project inclusion such as cycle storage.</p> <p>AGREED to put forward the recommended prioritised projects back to MHCLG.</p> <p>Agenda Governance – MP – compare with National Growth Local Assurance framework and D2N2 local assurance framework</p> <p>Sajeeda Rose advised MW to pick this up with Tom Goshawk</p>	<p>MW to speak to TG at D2N”</p>	

Update on the Urban Greening Project Report S.Troman	<p>Sarah Troman updated – circulated with the papers</p> <p>Questions to note:</p> <p>NR – this was going to be discussed at the Town Centre sub-group. NR to liaise with ST and the Town Centre Sub-Group</p>	NR to meet with ST and the Town Centre sub group	
Levelling up fund MDC; Report Gemma Denton	<p>Gemma Denton gave an update – this was circulated.</p> <p>AC – broad plan for the Levelling up fund proposal – discussion already taking place and suggestions welcome from the Place Board.</p> <p>MR – Mansfield Connect project can have a great impact on the town centre. Round One deadline is 18th June and we will not be submitting at that stage.</p> <p>Second round – guidance insight requested from BB if themes change by the time this is submitted.</p> <p>NR – would the Town Centre Masterplan impact on the Levelling up fund and vice versa, this will have to be connected. MR – The Masterplan will consider the key regeneration sites in the TC and we would tie this in with option locations for Mansfield Connect</p> <p>Levelling up fund workshop on 11th May – if board members wish to be involved let Eloise at WNC know.</p>	ALL - Let Eloise at WNC know if you wish to take part in the Levelling up fund workshop	

	<p>KJ – Levelling up fund – can we approach NCC to put forward for a major transport scheme.</p> <p>MN – NCC have projects to put forward, districts can propose transport schemes and NCC can support but NCC will be evaluating their projects.</p> <p>NR will the Place Board be consulted on NCC Levelling up fund projects.</p> <p>MR – have worked with NCC to look at what transport schemes are being proposed.</p> <p>AA - £50 million – timing of spend – what are the chances of Mansfield trying to get a bigger project in the Levelling up fund.</p> <p>MN – need to evaluate schemes against the criteria.</p>		
<p>CRF update M Neal; Verbal</p>	<p>CRF request for bids and expressions of interest, priority 100 places, Bassetlaw, Mansfield and Newark and Sherwood selected, there are a number of schemes - £3million for each priority place to be completed by 31st March 2022. Hard criteria and targets for these projects. Webinar will be run for organisations and businesses.</p>		
<p>Future Funding Update Verbal Appendix B M.Robinson</p>	<p>Details of this are in the appendix in the papers.</p> <p>CRF key lead into prosperity fund next year.</p>	<p>Send comments or additional funding streams to MW for inclusion with the minutes</p>	

Date of next meeting	Friday 2 nd July, provisionally 1-3pm		
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MAKING MANSFIELD PLACE BOARD

Subject:	Item 6 Towns Fund Update	
Presenting authority / representative:	Mansfield District Council	
Report author and contact details:	wrightm@mansfield.gov.uk	
Value of decision: n/a		
Partners affected: Full Place Board	Date of consultation 16/07/2021	
<p>Purpose –</p> <p>This report provides an update on the Towns Fund and Town Investment Plan programme progress.</p> <p>Background –</p> <p>On 27 July 2019 the Prime Minister announced that the £3.6 billion Towns Fund would support an initial 101 town deals across England. See further details of the announcement.</p> <p>The Towns Fund is designed to provide the core public investment of up to £25m in Town Deals. The objective of the Fund is to drive the economic regeneration of towns to deliver long term economic and productivity growth through:</p> <p>Urban regeneration, planning and land use: ensuring towns are thriving places for people to live and work, including by: increasing density in town centres; strengthening local economic assets including local cultural assets; site acquisition, remediation, preparation, regeneration; and making full use of planning tools to bring strategic direction and change.</p> <p>Skills and enterprise infrastructure: driving private sector investment and ensuring towns have the space to support skills and small business development.</p> <p>Connectivity: developing local transport schemes that complement regional and national networks, as well as supporting the delivery of improved digital connectivity</p>		

Current Situation –

Following previous prioritisation of the projects to be delivered with Towns Fund funding at the most recent place board updates to each project are as follows:

Project summaries and financial profiling have all been completed and submitted to MHCLG in line with their requirements. MDC have received an update that all Project summary documentation has been reviewed and approved by MHCLG.

Project Initiation documents have now been completed for all six projects chosen by the Place Board to be brought forward to business case.

Business cases have now also begun being created for each project. Steering groups have been set up which incorporate members of the historic Place Board subgroups for the coming weeks to further discuss detail to be included within each project.

Individual project updates are as follows:

Destination Mansfield Parks:

PID has been drafted within the regeneration team with several stakeholder engagement exercises and feasibility studies planned to assess best fit for development on the park, options around destination developments include children's attractions, high ropes course, biomes and skills related attractions. A long list will be taken to the subgroup and subsequently fed back to the full Place Board.

Project Key Dates:

Stakeholder Engagement (subgroup steering) – August

Business Case Submission – January

Begin Delivery (dependent upon acceptance of funding) – March 22

Project Key Outputs:

TIF:

- 2 new community leisure facilities comprising 1 destination park, details to be confirmed
- 1 new cycle path, length to be confirmed
- Public Sector match to be confirmed

Additional Outputs:

- Enhanced links between Berry Hill park athletics facilities and King George V park
- Inclusion of linkage to regional and national cycle route 6

- Outcomes: figures to be confirmed during business case development
- Improved visitor parking
- Improved/new visitor toilets
- Improved/new wayfinding and trails
- Improved residents' perception
- Increase in number of visitors to events and venues through renovation of events space And bandstand.
- Increase in number of people undertaking over 30 minutes exercise per week
- Increase in number of people using sustainable transport to access work and leisure facilities in Mansfield
- Health of local residents improved.
- Potential to facilitate a regular Junior Park Run and work with other sports groups
- Links with the Destination Mansfield Branding Project to potentially host events (TBC)
- Potential link with MDC Leisure provider to work in partnership

Destination Mansfield Branding:

PID has been drafted within the regeneration team. Engagement exercises have taken place among MDC Corporate Leaders and a survey of a sample of MDC and Place Board partner Linney staff has been circulated to try and ascertain current sentiment towards the town and to provide a steer for the future. Findings of the survey are to be presented at Place Board. The business case creation will begin following this work.

Project Key Dates:

Stakeholder Engagement Completed – July

Business Case Submission – November

Begin Delivery of Brand Creation - March 22

Begin Delivery of Events – 23/24

Project Key Outputs:

TIF Outputs:

- Public Match Funding £204,000
- Private sector Match (sponsorship of events) £27k min estimate
- 1 Full Time events-co-ordinator role.

Additional outputs which will be refined during the business case development:

- 1 research project to identify branding needs of Mansfield destination branding strategy
- 1 new brand for the district
- A minimum of 2 new cultural events taking place each year to deliver a minimum of 6 over the project duration.
- Increase in Businesses Engaged
- Increase in GVA
- Businesses attracted TBC

All findings and further correspondence will be run through the Identity and Brand subgroup with updates being forwarded from that group to the full board.

Mansfield Woodhouse Station Gateway:

A Project Initiation Document has been produced to scope out the project and initial working group meetings held. Discussions are being held with Henry Mein, who are the original architects of the scheme to undertake some work on our behalf. This will include, making slight adaptation to the original designs to make them more lettable in the current market; provide costings for the revised scheme and to undertake a knotweed survey on the site to establish the costs for removal. A valuation is also being undertaken on the land in order to inform our discussions with Homes England with regard to the Derelict Land Grant which is outstanding on the site.

Project Key Dates:

Business Case Submission – July/August

Begin Delivery – January 22

Project Key Outputs:

TIF Outputs:

- Public Match £0.046m
- Commercial floor space created- 290 sq.m
- Business Supported – 6
- Jobs Created – 10

Other Outputs and Outcomes:

Brownfield Land remediated – 0.15 ha

GVA per annum - £486,320

SMART Mansfield:

MDC regeneration have drafted a PID for the project and will be taking this forward to the subgroup for review ahead of business case creation. The Regeneration team have undertaken some soft market consultation with suppliers and have provided a SMART project “long list” under separate cover for discussion.

Project Key Dates:

Soft market testing – August/September

Business Case Submission – March 22

Begin Delivery – Summer 22

Project Key Outputs:

TIF Outputs

- 1- 2 specialist digital technologies (cost limited)
- 1 LPWAN network installed
- SMART infrastructure testbed projects including wayfinding and car-parking
- Public match funding
- Private match funding

Other Outputs and Outcomes:

Specific Outcomes will be determined by the technologies selected to be implemented. This process is still to go through a stakeholder option exercise with the Sub-group. At present we cannot specify the specific SMART outputs we are able to collect. At present specific SMART outputs cannot be determined, these will be set once the SMART interventions are agreed upon by the project steering group. The following are indicative, to be confirmed:

- Increased visitor numbers to the Town Centre
- Businesses Supported
- Increase in Town Centre dwell time
- Increase in GVA

MDC will collect outputs and report back on these to MHCLG if and when as required.

Warsop Leisure Hub:

Work is progressing on the development of the Health Hub in conjunction with Sport England who are committed to developing the hub as a pilot for a new community led leisure centre. A steering group has been established to drive forward the project and build on the feasibility work completed earlier this year.

Project Key Dates:

Business Case Submission – October

Begin Delivery – March 22

Project Key Outputs:

TIF Outputs:

- 1 new community centre
- New commercial floor space- xm2 (TBC)
- Public Match Funding - £3.6m
- Public Match – Revenue – TBC
- New jobs created – estimated 10 FTE TBC

Additional Outputs and outcomes

- GVA- TBC
- 2,500 visitors to events and venue per year
- schools using the facilities TBC
- sports clubs using the facilities TBC
- Improved health and activity levels for residents of Warsop and surrounding areas TBC
- Reduced levels of obesity and costs to health service TBC
- Improved mental health TBC
- new qualifications – e.g. lifesaving courses TBC

VWNC Future Tech and Skills Exchange:

A Project Initiation Document has been produced in order to fully scope out the project. Confirmation is still being awaited from the Education and Skills Funding Agency with regard to the match funding of the project. A programme plan for the scheme has been produced and it is anticipated that the sketch feasibility for the scheme will be completed by the end of July with costings and initial building control advice due to be received by the end of August.

Project Key Dates

Business Case Submission to MDC for Assurance (From VWNC) – August

MDC Business Case Submission to MHCLG – October

Begin Delivery – January 22

Project Key Outputs:

TIF Outputs:

- Increased capacity and access to 1 new and improved training facility, user numbers to be confirmed
- Availability of 3 new specialist equipment, equipment to be confirmed
- Increased and closer collaboration with 8 employers
- Increased breadth of local skills offer to be defined
- Public Sector match £4.95m (to be confirmed)

Other outputs and outcomes:

- Regenerated space for learners of a minimum of 2,000sqm
- Learners benefitting leading to a qualification to be confirmed
- 15 enterprises utilising commercial spaces
- 3,910 new learners assisted, to be defined
- 2,275 learners gaining relevant experience/ being 'job ready', to be developed further
- Businesses assisted to be confirmed
- Jobs created to be confirmed

Upcoming Work streams:

Business Case Creation:

Each project currently has a business case being developed with the Strategic Case and Management Case being created in the first instance, following this MDC will aim to appoint the necessary specialists to assist on detailed designs and Value for Money assessments.

Steering Groups:

Steering groups will be created through migration of the Place Board subgroups to their respective projects and will all be tasked with feed in to PID's and Business Cases as they come forward.

Exempt information:

None

Recommendation(s): None

1 REASONS FOR RECOMMENDATIONS

N/A

2 BACKGROUND (INCLUDING OUTCOMES OF CONSULTATION)

N/A

3 OTHER OPTIONS CONSIDERED IN MAKING RECOMMENDATIONS

3.1 N/A

4 DOCUMENTS REFERRED TO IN THIS REPORT

4.1 Project Initiation Documents (Appended)

MAKING MANSFIELD PLACE BOARD

Subject:	Item 7 Smart Cities Options Report	
Presenting authority / representative:	Mansfield District Council	
Report author and contact details:	wrightm@mansfield.gov.uk	
Value of decision: n/a		
Partners affected: Full Place Board		Date of consultation 16/07/2021
<p>Purpose –</p> <p>This report provides an overview of soft market tested options relating to the Smart Mansfield Project.</p> <p>Background –</p> <p>On 27 July 2019 the Prime Minister announced that the £3.6 billion Towns Fund would support an initial 101 town deals across England. See further details of the announcement.</p> <p>The Towns Fund is designed to provide the core public investment of up to £25m in Town Deals. The objective of the Fund is to drive the economic regeneration of towns to deliver long term economic and productivity growth through:</p> <p>Urban regeneration, planning and land use: ensuring towns are thriving places for people to live and work, including by: increasing density in town centres; strengthening local economic assets including local cultural assets; site acquisition, remediation, preparation, regeneration; and making full use of planning tools to bring strategic direction and change.</p> <p>Skills and enterprise infrastructure: driving private sector investment and ensuring towns have the space to support skills and small business development.</p> <p>Connectivity: developing local transport schemes that complement regional and national networks, as well as supporting the delivery of improved digital connectivity</p>		

Current Situation –

Following Place Board approval for the £1m SMART project to be delivered, the Regeneration team have undertaken soft market testing to ascertain options for the town as well as costs.

The options we have been presented are as follows, each with a cost, potential revenue stream as well as the implementation methods identified.

Options:

Mansfield LoRaWAN Network

Deployment Cost

- Area of coverage – 76.69km²
- Proposed Gateways – 5
- Total deployment costs - £57,505.00
- Potential deployment of 50 gateways £133,420.00

Network Potential Revenue

- 5 Gateways – £264,000 P.A
- 20 Gateways - £1,056,000 P.A

A third party supplier would operate and manage the network, collecting and monetising all data from the network with Mansfield District Council receiving a % of profits.

The data can be used to support future SMART work as well as provide detailed insight into the town centre.

Smart Car Parks

- 17 Carparks, 1860 sensors
- Web based Administration dashboard
- Mobile app for payment and opportunity for permits
- Reduction in environmental impact of ticket machines
- Reduction in COVID 19 risk from ticket machines
- Ability to book EV charging points

Deployment Costs:

- Hardware and Server - £361,740
- Annual Cost - £10,000

Smart Waste Management

- Deployment of 200 bin sensors
- Mobile and web based App for administration
- Automatic route generation reducing fuel and labour costs for collections
- Bespoke options available to work with any type of waste bin.

Deployment Costs:

- Hardware and Server - £70,305
- Annual Cost - £2,400

Smart Air Quality Management

- Deployment of 100 sensors throughout the district specifically at “hot zones”
- Web based monitoring of air quality
- Automatic report generation to inform future policy
- Bespoke options available for problem areas of congestion

Deployment Costs:

- Hardware and Server - £176,900
- Annual Cost - £5,400

Smart Location Entry Checking (COVID 19)

- Deployment of 50 sensors
- Automatic detection of persons with high temperature
- Automatic denial of entry for anybody displaying symptoms of illness
- Statistical reporting automatically generated

Deployment Costs:

- Hardware and Server - £78,518
- Annual Cost - £1,000

Mansfield Eden Project/Shipping Container park (linked to destination Parks)

- Deployment of 3 10m dia-geodesic domes on Berry Hill Park as a point of interest and tourism attraction
- Automated IOT fauna creation (self-sufficient indoor biome)
- Tourism attraction
- Opportunity to create produce if required (whilst demonstration automated farming practises and linking in with skills)
- Chargeable educational demonstrations and tours for schools/colleges/universities

Deployment Costs:

- Hardware and Server - £1,140,615 (would need to be match funded by Destination Parks)
- Annual Cost - £1,000
- Annual operating costs – Approximately £20,000
- 2-3 FTE
- Potential revenue – not yet known

Smart Green Gas

- Deployment of 13 Aircom Solutions
- Better control of the Gas Network to reduce emissions
- Automated control to allow more Biogas entry to the network in Mansfield.

Deployment Costs:

- Hardware and Server - £39,720
- Potential revenue (if Cadent utilise LORAWAN network) £2,400 p.a

Smart Water Utilities

- Deployment of 13 Aircom Solutions
- SMART drinking water quality monitoring trial

Deployment Costs:

- Hardware and Server - £40,435
- Potential revenue from water supplier

Mansfield Space Programme (Skills)

- Deployment of 1 LORAWAN Satellite (Place Board Sponsored investment)
- Educational space programme locally, local schools can connect and learn around IOT, Space, Aerospace
- Provision of 100 educational kits including Raspberry PI project work to upskill in IT and specifically coding and mathematics.

Deployment Costs:

- Hardware and Server - £187,889.50 satellite sponsorship
- Revenue stream from % of profit generated through Satellite data handling (operated by third party with a profit share)
- Revenue potential to be £1m+ per year.

Item	Cost	Annual Cost	Revenue Generated P.A
Mansfield LORAWAN	£57,505	£0	264000
SMART Parking	£361,740	£10,000	0
Smart Waste Management	£70,305	£2,400	0
Smart Air Quality Management	£176,900	£5,400	0
Smart Location Entry Checks	£78,518	£1,000	0
Mansfield EDEN project (Parks)	£1,140,615	£20,000	TBC
Smart Green Gas	£39,000	£0	2400
Smart Water	£40,435	£0	TBC
MSP	£187,890	£0	TBC £M
Totals	£2,152,908	£38,800	

Recommendation(s): None

There are three specific recommendations in relation to this report:

1 – That the Place Board endorse the delivery of item 1, the Mansfield LoRaWAN network. This recommendation is built upon the premise of the network being a core piece of infrastructure for present and future SMART projects.

2 – That the Place Board endorse the delivery of item 2, the Mansfield SMART parking infrastructure project. This recommendation is made based on sentiment at the previous Place Board meeting whereby this was raised as a priority.

3- That the Place Board task the Connectivity steering group with prioritising the remaining long list of projects to be brought forward for presentation to the Board at a later date under separate cover. This piece of work will be informed by the remaining budget following workup of recommendations 1 and 2.

5 REASONS FOR RECOMMENDATIONS

N/A

6 BACKGROUND (INCLUDING OUTCOMES OF CONSULTATION)

N/A

7 OTHER OPTIONS CONSIDERED IN MAKING RECOMMENDATIONS

3.1 N/A

8 DOCUMENTS REFERRED TO IN THIS REPORT

8.1 N/A