

# DECISION ITEM



REPORT OF	MEETING	DATE	ITEM NO
DEVELOPMENT SERVICES DIRECTORATE	TOURISM AND LEISURE COMMITTEE	12 JANUARY 2017	5
<b>SAND DUNES RE-MODELLING AT NORTH BEACH CAR PARK / SUMMERFIELDS</b>			

## PUBLIC ITEM

This item is for consideration in the public part of the meeting.

### SUMMARY

The report sets out the details of a scheme included in the council's agreed capital programme for 2016/17 for the remodelling of sand dunes at North Beach Car Park / Summerfields, to maintain and repair the dune as a soft sea defence

The report also summarises the context and details the receipt of tenders and tender assessment following the procurement process for the remodelling of the dunes, and seeks the agreement of the Committee to allow officers to award the contract and manage the project.

### RECOMMENDATIONS

The Tourism & Leisure Committee is requested:

1. To approve the proposed expenditure in respect of the scheme to remodel the sand dunes at North Beach Car Park / Summerfields. The approved Capital Programme for 2016/17 includes funding for a scheme for this purpose in the sum of £17,000.
2. To approve the letting of the contract for the remodelling of sand dunes in the sum of £17,000, to Lancashire Wildlife Trust, fully funded from the approved Capital Programme for 2016/17, subject to all appropriate consents having been granted.

### SUMMARY OF PREVIOUS DECISIONS

**Budget Council Meeting 3 March 2015** - a capital scheme to remodel the sand dunes at North Beach Car Park / Summerfields to the value of £20,000 was agreed for inclusion in the 2015/16 Capital Programme.

**Operational Management Committee 31 May 2016 – Long Term Management of Lytham St. Annes Dunes** - unanimously RESOLVED

- 1) To note the progress of the Sand Dunes Management Action Plan.
- 2) To endorse the recommendations within the geomorphological study.
- 3) To authorise the procurement route and subsequent Capital Expenditure totalling £17,000 (£15,000 from the approved 2016/17 capital programme and £2,000 that was being requested as slippage as part of the Outturn report to the Finance and Democracy Committee in June) to deliver the remodelling of the dunes to the rear of North Beach Car Park.

**Finance & Democracy Committee – 20 June 2016** – with regard to the £17,000 capital slippage

3. To Approve the Capital Outturn as set out in sections 6 to 9, the capital slippage detailed in Appendix E, and the proposed capital financing as set out in Table 5;

CORPORATE PRIORITIES	
Spending your money in the most efficient way to achieve excellent services ( <b>Value for Money</b> )	✓
Delivering the services that customers expect of an excellent council ( <b>Clean and Green</b> )	✓
Working with all partners ( <b>Vibrant Economy</b> )	✓
To make sure Fylde continues to be one of the most desirable places to live ( <b>A Great Place to Live</b> )	✓
Promoting Fylde as a great destination to visit ( <b>A Great Place to Visit</b> )	✓

## BACKGROUND

1. The Council is currently delivering the Fylde Sand Dunes Management Action Plan (2008). The Council has established a steering group to oversee the delivery of the Sand Dunes Action Plan comprising Blackpool Council, Lancashire County Council, Environment Agency, Natural England and Lancashire Wildlife Trust. Within the terms of reference of the Tourism and Leisure Committee it is responsible for considering reports, reviewing, and formulating where necessary policies relating to sand dunes management.
2. The partnership has been successful in gaining revenue funding from the Environment Agency over the last 5 years and has recently secured funding for a further 5 years, to address these main issues:
  - Safety issues resulting from high dunes
  - Wind-blown sand causing nuisance to residents
  - High levels of erosion due to recreational pressures
3. In order to assess the success of the partnership and better understand the natural processes that are occurring with regards to sediment movement on the coast, and enable decisions to be taken about the long term management of the dunes the Dunes Steering Group commissioned a geomorphological study.
4. The dune accretion and modelling project described in this report is not covered by the funding outlined above as this funding is fully committed for specific outputs defined in the external grant from the Environment agency. The main aim of this project is to maintain and repair the dune to act as a soft sea defence.
5. This report refers to a specific project concerning the area of dune backing onto North Beach car park which is causing issues from wind-blown sediment accumulation against property and infrastructure. This has resulted in several health and safety issues regarding the build-up of sediments against walls that were never designed to retain large depths of sand and windblown sediments covering access tracks and roads. In general, the effects of these issues can be reduced by promoting foredune accumulation to enable dune procession. This will reduce the volume of wind-blown sand further inland and its accumulation against property and infrastructure. The main aims of the project are to extend the dune seaward and some localised remodelling to make the dune safe. The area is shown in the photograph as appendix 1.
6. A capital bid was supported at Budget Council in March 2015 of £20,000, to undertake the remodelling of the dune at North Beach Car Park / Summerfields. Works would be undertaken to a project brief and ecological surveys, undertaken by ecological experts, to ensure that all environmental factors were considered. Once a brief was prepared and agreed the project would be delivered by a suitable contractor with environmental and ecological expertise, due to the environmental sensitivity of the works.

7. A copy of the project brief is included at appendix 2.
8. Breakdown of the Capital bid

Cost Heading	Description	Net Figure (£)
Design, Supervision & Fees	Undertaken by ecologist	2,000
Plant & Equipment	Remodelling of the dune	12,000
Soft Landscaping	Stabilisation and Protection	4,000
Contingency		2,000
<b>Total Project Costs</b>		<b>20,000</b>

9. A report was considered at the Operational Management Committee on 31 May 2016, in relation to the council's wider coastal defence responsibilities. It was confirmed that £3,000 had been spent on the preparation of the project brief and ecological surveys leaving a budget of £17,000 for physical works. The Tourism and Leisure Committee should have been the committee approving the spending elements of the capital scheme. The remainder of this report achieves this.
10. Subsequently the £17,000 budget to undertake the physical completion of the project was slipped into 2016/17 at the Finance & Democracy Committee in June 2016.
11. A Planning application is being submitted. The project will not commence until all appropriate consents have been granted.
12. Due to the scale and specialism of the works, officers felt that the project would be best delivered by an external specialist contractor.

#### SCHEME DETAILS

13. The proposal is to widen the dunes towards the sea to the north of the Coastguard Station, which will naturally reduce the height of the dune against North Beach Car Park. Some localised remodelling of the high dune on North Beach Car Park as per the proposed profile in the brief. The project will include re-stabilisation of the dune, by installing an organic biodegradable planting mat to control erosion.
14. Paladin mesh powder coated green fencing will be installed, once the groundworks are completed to protect the area and allow stabilisation.
15. The Coast & Countryside Team along with volunteers will plant the area with Marram grass.

#### PROCUREMENT PROCESS & EVALUATION

16. Officers from the Parks & Coastal Services Team have led the procurement process. The tender followed the 'quick quote' procedure using the CHEST procurement portal.
17. Quotations have been received for the remodelling of the sand dune. The suppliers were given a project value figure of £17,000 and the project brief, which provided suppliers with comprehensive details of the essential project requirements.
18. Three completed tenders were received and evaluated on a 100% quality basis, due to the project budget being set at £17,000.
19. The quality evaluation was carried out as based on the following quality criteria:
  - Reference - 20%
  - Experience of ground re-profiling works - 30%
  - Experience of ground works in ecological areas - 30%
  - Health & Safety - 20%

20. The quality evaluation was made under the criteria listed below, and the information required from the suppliers was scored on the following basis:

Score	Description
0	The Evaluation Panel felt that none of the requirement was met or demonstrated or no response was provided.
1	The Evaluation panel felt that a few areas (20% or less) of the requirement has been met or demonstrated.
2	The Evaluation panel felt that some areas (between 21% and 59%) of the requirement has been met or demonstrated.
3	The Evaluation panel felt that most of the requirement (60% and above) has been met or demonstrated
4	The Evaluation panel felt that the requirement has been fully met or demonstrated.
5	The Evaluation Panel felt that the supplier had exceeded this requirement.

21. The result of the tender evaluation exercise is set out overleaf. The evaluation panel comprised of officers from the Parks & Coastal Service Team.
22. The evaluation panel considered that the Lancashire Wildlife Trust submission demonstrated the best option in terms of the quality criteria above. The quotation figure for the recommended submission is £17,000, including a contingency. The delivery of this project can commence on site in January 2016 and will be completed for March 2016.

Criteria	Evaluation Points %	JVT	Singleton Landwork	Lancashire Wildlife Trust
<b>Quality</b>				
Reference	20	16	8	8
Experience of ground re-profiling works	30	12	18	24
Experience of ground works in ecological areas	30	12	18	24
Health and Safety (methodology)	20	16	12	16
<b>Total</b>	<b>100</b>	<b>56</b>	<b>56</b>	<b>72</b>

## FINANCE DETAILS

23. The estimated cost breakdown of the proposed Lancashire Wildlife Trust scheme is as follows:

Categories	Net Figure
Undertake groundworks to re-profile dune	3,420
Supply and install organic geo-textile biodegradable matting (erosion control)	6,900
Supply and install paladin mesh powder coated green fencing	4,980
Contingency	1,700
<b>TOTAL (Net)</b>	<b>£17,000</b>

**Method and cost of financing the scheme**

24. Funding for a scheme for this purpose is included within the approved Capital Programme for 2016/17 in the sum of £17,000.

**Future revenue budget impact**

25. There are no additional revenue implications to this proposal.

**Risk assessment**

26. A risk assessment has been carried out to identify and mitigate any risks associated with the project which is attached at appendix 3.

**Value for money and details of procurement path**

27. In order to ensure that value for money has been achieved, a procurement exercise has been undertaken in accordance with the Council's contract procedure rules. Selection of the successful tenderer is on the basis that value for money is a key consideration as well as the professional delivery of the project brief.

**Detailed objectives, outputs and outcomes**

28. The objectives, outputs and outcomes are to:

- Agree scheme fully delivered to the design
- Reduction of height of dune
- Soft sea defences maintained and enhanced
- Provide safe environment for residents and visitors
- Improved dune habitat
- Widening of dunes for soft sea defences.
- Delivery of the dune action plan
- "A great place to visit" Maximise the natural assets of our coast & countryside by improving their facilities (Corporate Plan)

**SUMMARY**

29. The proposal is to award the tender to remodel the sand dunes at North Beach Car Park / Summerfields, as per the agreed project brief to Lancashire Wildlife Trust, to the value of £17,000 for completion before 31<sup>st</sup> March 2017.

IMPLICATIONS	
Finance	The committee is requested to approve expenditure in respect of the proposed scheme to remodel the dunes at North Beach Car Park / Summerfields. Funding for a scheme for this purpose is included within the approved Capital Programme for 2016/17 in the sum of £17k, fully financed from the Capital Investment Reserve.
Legal	None arising from this report.
Community Safety	The remodelling of this dune will improve public safety.
Human Rights and Equalities	None arising from this report.
Sustainability and Environmental Impact	None arising from this report.
Health & Safety and Risk Management	The tender includes a project specific risk assessment and detailed method statements which will be monitored by the Senior Coast & Countryside Officer.

LEAD AUTHOR	TEL	DATE	DOC ID
Mark Wilde	01253 658475	14.12.2016	

LIST OF BACKGROUND PAPERS		
Name of document	Date	Where available for inspection
Budget Council Meeting	3 March 2015	<a href="#">Full Council 03-03-2015</a>
Operational Management Committee Report - Long Term Management of Lytham St. Annes Dunes	31 May 2016	<a href="#">Operational Management Committee 31-05-2016</a>
Finance & Democracy Committee	20 June 2016	<a href="#">Finance and Democracy Committee 20-06-2016</a>

#### Attached documents

1. Photograph of Dunes at North Beach Car Park / Summerfields
2. Landscape Design Proposal
3. Committee Risk Assessment



**Appendix 1**



**INVITATION TO TENDER FOR THE RE-PROFILING OF A SAND DUNE IN LYTHAM ST ANNE'S****PROJECT BRIEF**

Fylde Council are inviting you to tender to re-profile a large sand dune to the rear of North Beach Car Park, St Anne's. Please note that this area is within a British Heritage Site and surrounded by the Ribble and Alt Estuaries SPA and RAMSAR.

**Main Issues**

- Safety issues resulting from high dunes
- Wind-blown sand causing nuisance to residents
- High levels of erosion due to recreational pressures

The decision to carry out these works has been made on health and safety grounds due to the high levels of erosion to this dune section and the collapse of small sections into the car park brought about by high levels of human trampling and strong winds. This particular section of dunes are classed as mobile dunes and because of development / infrastructure that has been placed in this area, this has resulted in some unwanted effects such as wind-blown sand blowing into nearby properties and high vertical fronted dunes, which in turn reduces the effectiveness of the dunes as a soft sea defence.

Previous management in this area was to remove sand which had built up against the car park wall, however this was stopped to stabilise the wall and allow the dune to build up against the wall. This has led to a build-up of sand against the wall resulting in higher volumes of sand building on the Summerfield properties and North Beach Car Park.

See attached images of existing dune, profile images of expectations and work already done by volunteers



Volunteer work



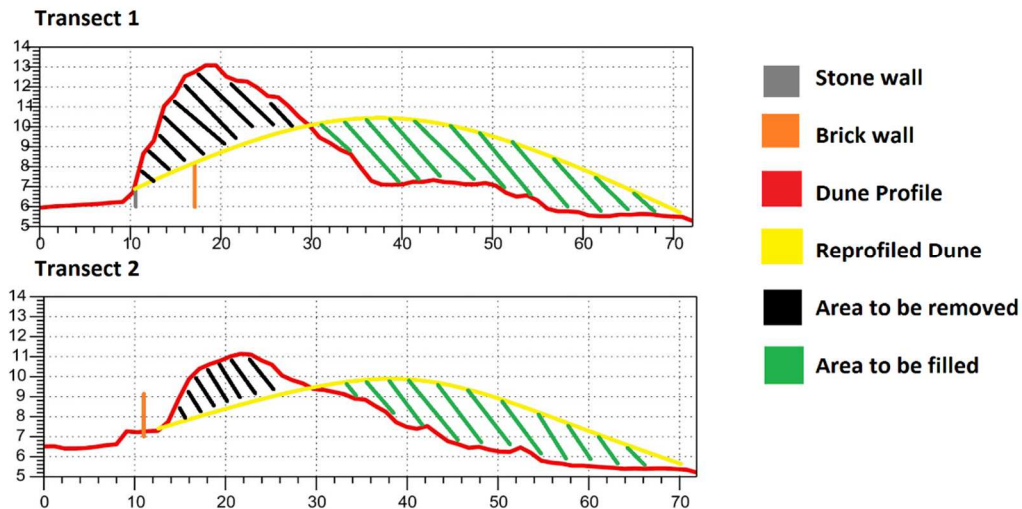
Existing dune



## Approximate area of work

Re-profiling should consist of a sloped gentle rise from the car park to approximate height of existing brick wall, a drop in height of approximately 2m (4m above the height of the car park).

The two transects below show the profile running through the dunes from the car park on the left (where the sand has built up) to the beach to the right hand side.



2879 cubic meters of sand to be moved

Once re-profiling has been completed along the required stretch, geo-textile erosion control biodegradable matting needs to be installed and secured over the whole area to control windblown sand.

Supply and erect approx. 83m x 2.4m high paladin mesh powder coated green (RAL 6005) fencing - galvanised. Mesh pattern 165 x 38mm resistance welded at each intersection, with 5mm dia horizontal wires and 5mm dia vertical wires. Mesh fixed to the face of 60 x 40mm rhs posts with a 41mm x 21mm channel clamp bar and cup square M8 bolts with permacone nuts. Posts set in concrete bases at 2.485m centres.

Fylde Council will then follow up with planting of Marram Grass plugs across the textile covered area.

## Appendix 3

### Committee Risk Assessment Template

Directorate: Development Services		Date of Assessment: 15 <sup>th</sup> December 2016		
Section: Parks & Coastal Services		Assessment Team: Ben McCabe & Geoff Willetts		
Assessment Activity / Area / Type: Re-profiling of a sand dune in Lytham St Anne's				
Do the hazards create a business continuity risk? No				
RISK DESCRIPTION	RISK SCORE (Likelihood x Impact)	RISK MITIGATION	RESIDUAL RISK SCORE (Likelihood x Impact)	RISK OWNER / RISK REGISTER
Failure of contractor to deliver to specification	6	The project will be managed by the Senior Coast & Countryside Officer in the Parks & Coastal Services Team to ensure competent project delivery and budget management.	4	Geoff Willetts
Possibility of personal injury to the public during the construction period.	12	A site specific risk assessment has been carried out by Lancashire Wildlife Trust and public liability insurance has been provided. The project will be managed by the Senior Coast & Countryside Officer to ensure safe working practices of the contractor.	8	Geoff Willetts

Project not delivered on time and funding not utilised.	9	It has been written into the procurement documentation that Lancashire Wildlife Trust must complete the work before the end of March 2016. Senior Coast & Countryside Officer will work closely with Lancashire Wildlife Trust to ensure that this happens.	6	Geoff Willetts
Project overspend	6	A pricing schedule has been worked up by Lancashire Wildlife Trust which includes a contingency to ensure that the project budget has been met. Senior Coast & Countryside Officer will work with the contractor to ensure that the project comes in within the specified budget of £17,000	4	Geoff Willetts
Damage to private property	9	A site specific risk assessment has been carried out by Lancashire Wildlife Trust and public liability insurance has been provided. The project will be managed by the Senior Coast & Countryside Officer to ensure safe working practices of the contractor. Methodology has been provided by Lancashire Wildlife Trust in their submission and a pre start meeting with contractor will be undertaken.	6	Geoff Willetts

Risk Likelihood

6 = Very High

5 = High

4 = Significant

3 = Low

2 = Very Low

1 = Almost impossible

Risk Impact

1= Negligible

2 = Marginal

3 = Critical

4 = Catastrophic

Multiply the likelihood by the impact and if the score is above 12 then mitigating action should be undertaken to reduce the risk. This action should be recorded and monitored in either a directorate or corporate risk register.