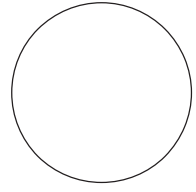


PROJECT LOCATION

CONSULTANT:



IOWA DEPARTMENT OF
NATURAL RESOURCES

ENGINEERING SERVICES - WALLACE BUILDING
502 E. 9TH ST., DES MOINES, IA 50319-0034



PROJECT LOCATION MAP

PAVEMENT MAINTENANCE FOR:

LAKE ANITA STATE PARK

CASS COUNTY

NO. BY REVISION

DATE

DRAWN BY: PROJECT NUMBER:

17-04-15-01

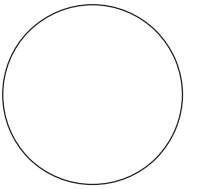
CHK'D BY: DATE:

SHEET No.:

A.02

ROAD	LENGTH	WIDTH	AREA SY	TJ REPAIRS	TONS	MILES	PATCHES
LAKE RD	12,611'	20'	28,024	88	107.18	2.388	(6X19)(9X20)(5X20)(4X20)(4X20)(8X20)(8X20)
LAKE RD LOOP	407'	18'	814			0.077	
BLAZING STAR LN	680'	12'	907			0.129	(3X8)(3X4)
TREFOIL LN	569'	20'	1264	3	3.654	0.108	
TREFOIL LN LOOP	880'	14'	1369	1	0.853	0.167	(14X50)
BEACH RD	4025'	20'	8944	31	37.758	0.762	
BEACH RD LOOP	1853'	20'	4118	11	13.398	0.351	
SHELTER SPUR/LOOP	595'	12'	793			0.113	(8X6)
PIER SPUR	88'	20'	195			0.017	
PIER LOOP	318'	12'	424			0.060	
MILKWEED LN	745'	20'	1654	4	4.872	0.141	
MILKWEED LN LOOP	742'	12'	989	4	2.923	0.141	
SOUTH RAMP RD	454'	16'	807	3	2.923	0.086	
ENTRANCE RD	1856'	22'	4537	8	10.718	0.352	
OFFICE RD	411'	14'	639	3	2.558	0.078	
NORTH RAMP RD	389'	20'	864			0.074	(3X26)
NORTH RAMP LOOP	254'	12'	339			0.048	
CAMPGROUND LN1	5526'	14'	8596	47	40.072	1.047	
CAMPGROUND LN2	5070'	12'	6760	6	4.385	0.960	(7X5)(5X3)
CAMPGROUND LN3	3976'	12'	5301	6	4.385	0.753	(8X10)

CONSULTANT:



**IOWA DEPARTMENT OF
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ENGINEERING SERVICES - WALLACE BUILDING
502 E. 9TH ST., DES MOINES, IA 50319-0034



PAVEMENT MAINTENANCE TABLE

PAVEMENT MAINTENANCE FOR:

LAKE ANITA STATE PARK

CASS COUNTY

NO.	BY	REVISION

DRAWN BY: PROJECT NUMBER:
CHK'D BY: DATE: 17-04-15-01

SHEET NO: **B.01**

ESTIMATED PROJECT QUANTITIES

ITEM NO.	ITEM	UNIT	TOTAL
1	2306 - BITUMINOUS FOG SEAL (HMA PAVEMENT)	GAL	3,866
2	2319 - SLURRY LEVELING	MILES	7.9
3	2319 - ASPHALT EMULSION FOR SLURRY LEVELING, SLURRY WEDGE, AND SLURRY TREATMENT	GAL	1,975
4	2528 - TRAFFIC CONTROL	L.S.	1
5	2529 - PATCHES, FULL-DEPTH FINISH, 6-IN., BY AREA, HMA	SY	208
6	2529 - PATCHES, FULL-DEPTH FINISH, 6-IN., BY COUNT, HMA	EA	15
7	2533 - MOBILIZATION	L.S.	1
8	2540 - LONGITUDINAL JOINT REPAIR	LF	400
9	2543 - TRANSVERSE JOINT REPAIR	TONS	236
10	2541 - CLEANING AND FILLING CRACKS (HMA SURFACES)	MILES	7.9
11	2541 - SEALER MATERIAL (HMA SURFACES)	LBS	3,950

ESTIMATE REFERENCE INFORMATION

ITEM NO.	DESCRIPTION
1	A. Dilute with water - 2 parts water: 1 part emulsion. Apply at a rate of 0.15 GAL/SY.
3	A. Use SS-1H emulsified asphalt.
4	A. This item includes ALL pilot cars and/or flaggers needed to complete the work under traffic.
8	A. Nominal size of longitudinal joints will be 2 feet wide and 3 inches deep. Millings to be removed from park, or as directed by DNR Field Engineer.
9	A. Nominal size of transverse joints will be 2 feet wide and 5 inches deep. Millings to be removed from park, or as directed by DNR Field Engineer.

GENERAL NOTES

Verify actual locations and elevations with DNR Engineer.

All work shall conform to and be performed in accordance with all applicable codes and ordinances.

The contractor shall visit the site and inspect the project area and thoroughly familiarize themselves with the actual job conditions prior to bidding and the start of work. Failure to visit the project site shall not relieve the contractor from performing the work in accordance to the plans, specification, special provisions and contract.

The contractor shall verify, at the site, all dimensions and conditions shown on the plans and shall notify the DNR Engineer of any discrepancies, omissions, and/or conflicts prior to proceeding with the work.

It shall be the contractor's responsibility to provide waste areas or disposal sites for excess material (excavated material or broken concrete) which is not desirable to be incorporated into the work involved on this project. No payment for overhaul will be allowed for material hauled to these sites. No material shall be placed within the right-of-way, unless specifically stated in the plans or approved by the DNR Engineer.

The contractor shall not disturb desirable grass areas and desirable trees outside the construction limits. The contractor will not be permitted to park or service vehicles and equipment or use these areas for storage of materials. Storage, parking and service areas will be subject to the approval of the DNR Engineer.

Where utilities and fixtures are shown as Existing on the plans or encountered within the construction area, it shall be the responsibility of the contractor to notify the DNR Engineer of those utilities prior to the beginning of any construction. The contractor shall be afforded access to these facilities for necessary modification of services. Underground facilities, structures and utilities have been plotted from available surveys and records and therefore their locations must be considered approximate only. It is possible there may be others, the existence of which is presently not known or shown. It is the contractor's responsibility to determine their existence and exact location and to avoid damage thereto. No claims for additional compensation will be allowed to the contractor for any interference or delay caused by such work.

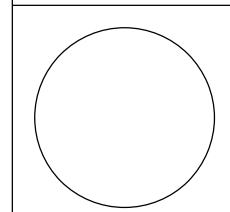
The contractor shall shape graded area to maintain surface drainage. All elevations are to finish grade.

The contractor is expected to have materials, equipment, and labor available on a daily basis to install and maintain erosion control features on the project. This may involve seeding, silt fence, rock ditch checks, silt basins or silt dikes.

Iowa DOT specification sections are listed before each bid item.

No work will be allowed from 12 noon Friday until the following Monday. No work on holidays.

CONSULTANT:



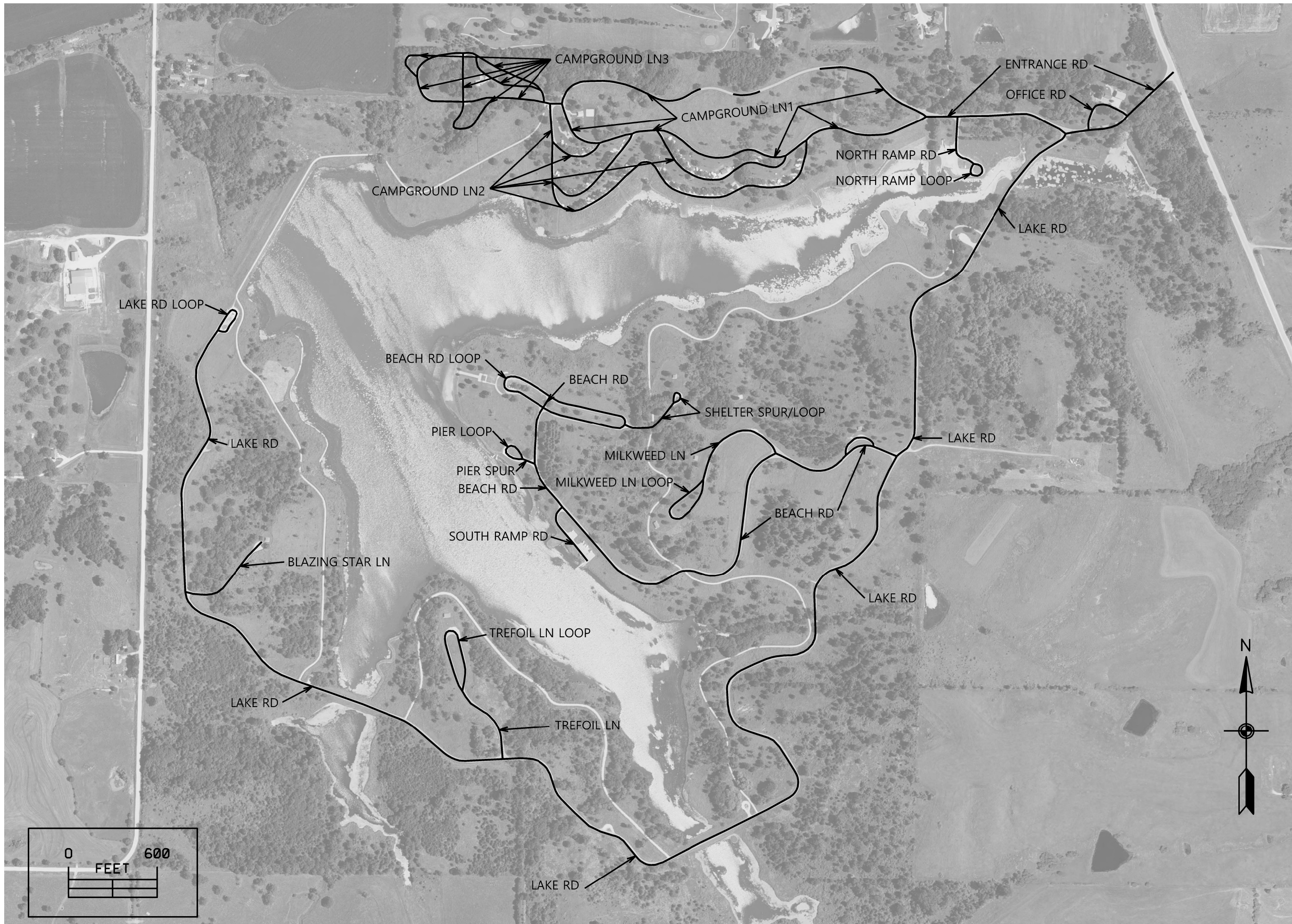
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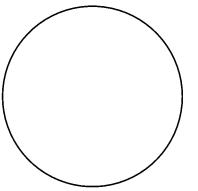
QUANTITIES AND GENERAL INFORMATION

PAVEMENT MAINTENANCE FOR:
LAKE ANITA STATE PARK
 CASS COUNTY

NO.	BY DATE	REVISION
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SITE PLAN

PAVEMENT MAINTENANCE FOR:

LAKE ANITA STATE PARK

CASS COUNTY

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D.01