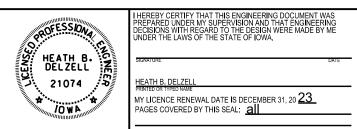
IOWA DEPARTMENT OF NATURAL RESOURCES

CONSTRUCTION DOCUMENTS FOR NINE EAGLES STATE PARK PAVEMENT PRESERVATION

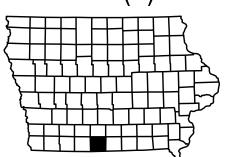
DECATUR COUNTY, IOWA

PROJECT # 21-05-27-01 DOT PROJECT # SP-00SP(6)--7C-00



EREBY CERTIFY THAT THIS ENGINEERING DOCUMENT WAS EPARED UNDER MY SUPERVISION AND THAT ENGINEERING CISIONS WITH REGARD TO THE DESIGN WERE MADE BY ME DER THE LAWS OF THE STATE OF IOWA.	
EATH B. DELZELL INTEO OR TYPED NAME / LICENCE RENEWAL DATE IS DECEMBER 31, 20 23 AGES COVERED BY THIS SEAL: all	

	DIRE	CTORY		
PROJECT MANAGER		CONSTRUCTION INSPECTOR		
COMPANY	IOWA DEPARTMENT OF NATURAL RESOURCES	COMPANY	IOWA DEPARTMENT OF NATURAL RESOURCES	
ADDRESS	502 EAST 9TH STREET	ADDRESS		
CITY,STATE,ZIP	DES MOINES, IA, 50319	CITY,STATE,ZIP		
CONTACT	TROY DUFF	CONTACT	JASON KRUSE	
TELEPHONE	515-250-3715	TELEPHONE	515-250-3707	
FAX		FAX		
EMAIL	troy.duff@dnr.iowa.gov	EMAIL	jason.kruse@dnr.iowa.gov	



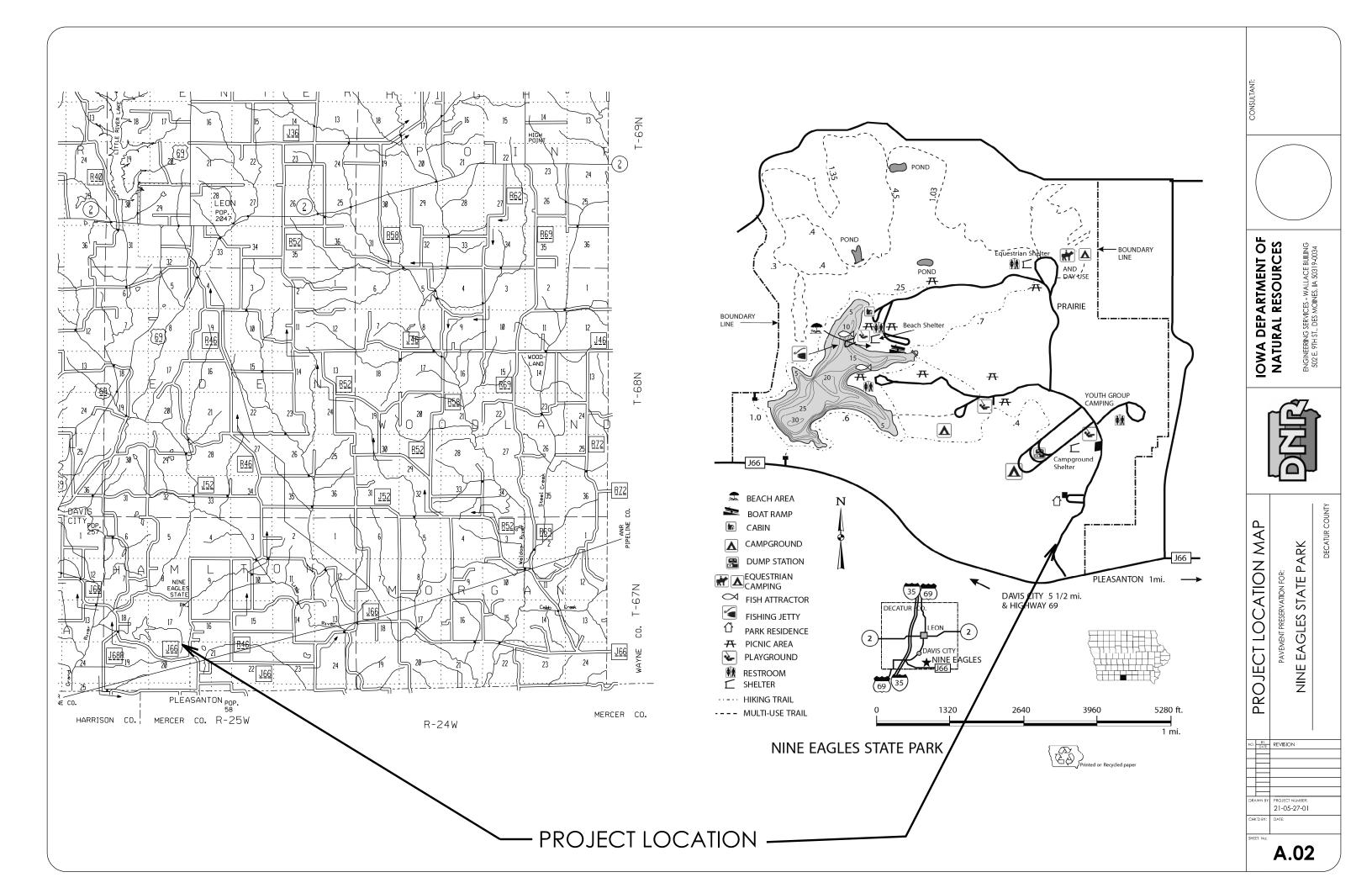
′	PROJECT DESCRIPTION	
	This project consists of pavement preservation of approximately 3.8 miles of asphalt roadway at Nine Eagles State Park, including full depth patches, longitudinal and transverse joint repairs, cleaning and filling cracks, fog sealing pavement, and other incidental work.	



	AUTHOR	RIZATION	N TO BID		
AUTHORIZATION - I	PARKS WILDLIFE F	ISHERIES LAW	ENFORCEMENT	FORESTRY	DAT
ENGINEERING BUREAU	CHIEF			DATE	

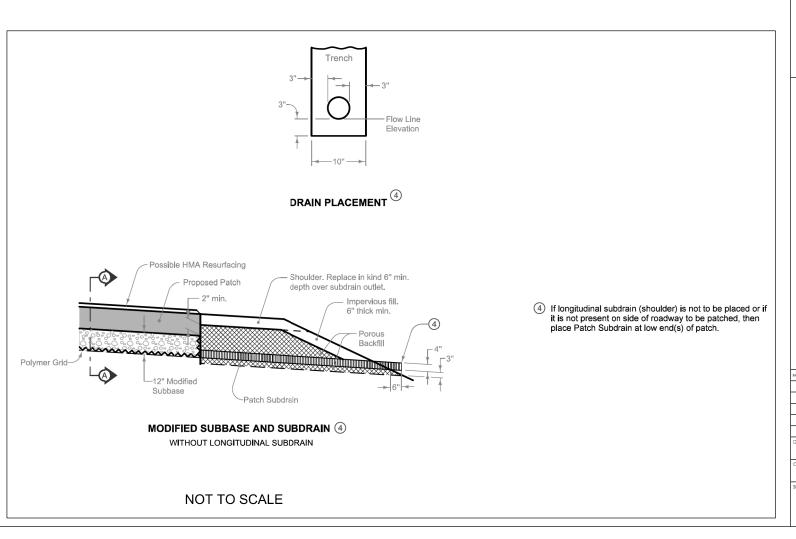
	SHEET INDEX			
A.01	COVER SHEET			
A.02 B.01	LOCATION MAP TYPICAL CROSS SECTIONS AND DETAILS	ے ا		
C.01	QUANTITIES AND GENERAL INFORMATION	CONSULTANT:		
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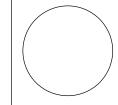


DOAR	LENGTH		1051.00	TJ REPAIRS		MI 50	
ROAD	LENGTH	WIDTH	AREA SY	(COUNT)	(TONS)	MILES	PATCHES/COMMENTS
ROAD 1 0+00 - 101+69	10,169'	20'	22,598	24	17.4	1.926	(5x15)(2x30)(10x40)(5x80)(10x50)(L.J.2x80 Near STA 37+00) Install subdrain near Sta. 26+50 as directed by DNR Field Engineer.
ROAD 2 200+00 - 210+13	1,013'	14'	1,576	8	4.1	0.192	One TJ counted as 3 in length as it goes through the maneuver area.
ROAD 3 300+00 - 337+61	3,761'	20'	8,358	29	21.0	0.712	(10x30)(20x70)(5x50)(10x70)(5x20)(10x40)(4x20)
ROAD 3A 340+00 - 344+32	432'	14'	672	0	0.0	0.082	
ROAD 4 400+00 - 303+00	300'	20'	667	0	0.0	0.057	
ROAD 4A 403+00 - 407+62	462'	14'	719	0	0.0	0.088	
ROAD 5 500+00 - 512+00	1,200'	14'	1,867	1	0.5	0.227	(6x20)
ROAD 6 600+00 - 608+64	864'	14'	1,344	0	0.0	0.113	
ROAD 7 700+00 - 711+43	1,143'	22'	2,794	6	4.8	0.216	
ROAD 7A	407'	22'	995	2	1.6	0.077	
ROAD 8 8+00 - 804+41	441'	14'	686	3	1.5	0.084	

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	LOCATION	ROADWAY AREA (SY)	PARKING AREA (SY)	GRAN. SURF. CLASS A (TONS)
	BOAT RAMP MAN. AREA	221	378	
	PARKING AREA 1	527	383	
	CAMPGROUND PARKING	368	204	
	OFFICE/SHOP AREA	SEE ROAD 8	412	
	GROUP CAMP ACCESS LANE			57
٦				



ONSULTANT:



IOWA DEPARTMENT OF NATURAL RESOURCES

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



TYPICAL CROSS SECTIONS AND DETAILS

PAVEMENT PRESERVATION FOR:

NINE EAGLES STATE PARK

21-05-27-01

B.01

ESTIMATED PROJECT QUANTITIES

ITEM NO.	ITEM	UNIT	TOTAL
1	2306 - ASPHALT EMULSION FOR FOG SEAL (PAVEMENT)	GAL	2,239
2	2312 - GRANULAR SURFACING ON ROAD, CLASS A CRUSHED STONE-3/4"	TONS	57
3	2507 - REVETMENT, CLASS E	TONS	66
4	2527 - PAINTED PAVEMENT MARKINGS, HIGH-BUILD WATERBORNE	STA	284.6
5	2528 - TRAFFIC CONTROL	L.S.	1
6	2529 - PATCHES, FULL-DEPTH FINISH, 6-IN., BY AREA, HMA	SY	532
7	2529 - PATCHES, FULL-DEPTH FINISH, 6-IN., BY COUNT, HMA	EA	13
8	2529 - PATCH SUBDRAIN	EA	1
9	2533 - MOBILIZATION	L.S.	1
10	2540 - LONGITUDINAL JOINT REPAIR	LF	80
11	2543 - TRANSVERSE JOINT REPAIR	TONS	50.9
12	2541 - CLEANING AND FILLING CRACKS (PAVEMENT MAINTENANCE)	MILES	3.8
13	2541 - SEALER MATERIAL (MAINTENANCE)	LBS	2,280

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. B. Fog Seal all roads after repairs. C. Apply sand to prevent tracking, incidental to this bid item.
2	A. Furnish and spread Class A crushed stone on access lane to group camp, 404'L x 12'W x 2"D, as directed by DNR Field Engineer.
3	A. Furnish and place Class E Revetment at or near location shown on sheet D.01, 30'L x 20'H x 2'D, as directed by DNR Field Engineer.
4	A. Double yellow centerline markings on Road 1, Road 3, and Road 4.
5	A. This item includes ALL pilot cars and/or flaggers needed to complete the work under traffic.
8	A. Furnish and install patch subdrain at low end of patch as directed by DNR Field Engineer. B. Furnish and install steel t-post to mark subdrain outlet, incidental to this bid item.
10	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.
11	A. Nominal size of transverse joints will be 2 feet wide and 3 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.

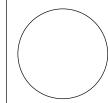
Where utilities and fixtures are shown as Existing on the plans or encountered within the construction area, it shall be the responsibility of the contractor to notify the DNR Engineer of those utilities prior to the beginning of any construction. The contractor shall be afforded access to these facilities 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.



IOWA DEPARTMENT OF NATURAL RESOURCES



EAGLES STATE PARK

QUANTITIES AND GENERAL INFORMATION

REVISION
PROJECT NUMBER:
21-05-27-01
DATE:

C.01

