

REQUEST FOR PROPOSAL
AND
CONTRACT INFORMATION DOCUMENTS
IDITAROD TRAIL LOCATION SURVEY
DATE: November 12, 1982

DIVISION OF TECHNICAL SERVICES
DEPARTMENT OF NATURAL RESOURCES
STATE OF ALASKA

1983 IDITAROD TRAIL LOCATION SURVEY
(Goose Creek to Susitna Station)

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STATE OF ALASKA
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF TECHNICAL SERVICES

Pouch 7-005; 555 Cordova Street
Anchorage, Alaska 99510

LEGAL NOTICE
(ATN 83-0221)

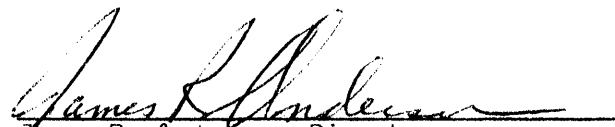
STATE LAND SURVEY PROGRAM

The Division of Technical Services, Department of Natural Resources, is soliciting survey proposals for the Iditarod Trail Location Survey (Goose Creek to Susitna Station 1983), beginning approximately six (6) miles northwest of the village of Knik and continuing to Susitna Station.

The request for proposal, proposal information and project data will be available at 555 Cordova Street, Olympic Bldg., Suite 24, after 8:30 AM on November 12, 1982, and may also be ordered from the Division of Land and Water Management's District Office located at 4420 Airport Way, Fairbanks, Alaska.

Additional information may be obtained by contacting the Division of Technical Service's Office at 265-4211.

Proposals must be received at the office of the Director, Division of Technical Services, Pouch 7-005, 555 Cordova Street, Suite 25, Anchorage, 99510, by no later than 4:30 PM December 3, 1982.


James R. Anderson, Director
Division of Technical Services
Department of Natural Resources
State of Alaska

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF TECHNICAL SERVICES

CADASTRAL SURVEY SECTION
555 Cordova Street (Pouch 7-005)
Anchorage, Alaska 99510

TRAIL LOCATION SURVEY PROJECT DATA

PROJECT: 1983 Iditarod Trail Location Survey - Goose Creek to
Susitna Station

LOCATION: Within the Matanuska-Susitna Borough , S.C. Alaska

T 16 N, R 4-6 W, S.M.; T 17 N, R 6-7 W, S.M.

Shown on USGS Quad Sheets: Anchorage B-8,
Scale 1:63,360 Tyonek B-1, C-1 & C-2

AVAILABLE MATERIAL: Federal & State record of survey plats

SCOPE: Survey 23 miles of trail centerline.
Set approximately 300 secondary centerline and 500
primary right-of-way monuments.
Cadastral Ties: approximately 18 miles

COMPLETION DATE: May 31, 1983

SPECIAL CONSIDERATIONS:

Other Ties:

1. Geodetic control at beginning and end of survey.
2. Improvements, roads and streams in trail corridor and within 100' of right-of-way (r-o-w will be 400' or 500').
3. Cadastral and geodetic monuments within 1 mile of trail and Cadastral monuments (nearest) within 2 miles on township or range lines.
4. Locate "Burns" Historical Cabin, survey and plat, the 5 to 20 acre aliquot part that encompass the site.

Plat: One township per sheet

Scale: 1" = 1000'
Size: 36" x 42"

Brushing:

Must be kept to an absolute minimum as the trail will be located by an "official" trail blazer and brushed by volunteers from the Iditarod Trail Blazer Chapters through direction by the Division of Parks (DNR).

REQUEST FOR PROPOSAL

DATE: November 12, 1982

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF TECHNICAL SERVICES
CADASTRAL SURVEY SECTION

Pouch 7-005; 555 Cordova Street
Anchorage, Alaska 99510

DATE: November 12, 1982

REQUEST FOR PROPOSAL

The Division of Technical Services (DTS) herewith solicits a detailed proposal from you to survey lands as specified in the proposal information and project data packets.

To be considered, your firm must be currently qualified by the Alaska State Board of Registration for Architects, Engineers and Land Surveyors to perform professional services in the State of Alaska, must hold a current Alaska Business License and have an office located in Alaska.

The contractor selected will be required to provide all labor and support facilities necessary to survey, monument and plat the project under contract. This shall include timely submittals to, and appearance before, any boards, commissions or departments having jurisdiction over the survey area, when such appearance is required for satisfactory completion of the survey and platting process.

For this service, the State will make timely payments, upon completion of certain proportions of the work, as outlined in Appendix C of the contract.

It is anticipated that the performance period of the contracts will be from December 1, 1982 to April 30, 1983.

Your proposal must address the scope of each project step to be completed for the entire project and will contain the following data:

- A. Name and location of project.
- B. A discussion of the project, comparing it to a similar project recently performed by you or your firm. Specify the date of the survey, and discuss similarities to the project proposed on.
- C. Methods and procedures of survey, including the following:
 - 1. Method of calculations and computations;
 - 2. Limits of error;
 - 3. Methods of establishing actual corner positions;
 - 4. Alternatives that may be necessary;

5. Extent of professional field supervision, and
 6. Methods and extent of survey line clearing.
 7. Indicate where project supervisor will be based (i.e., at field camp or in main office).
- D. Outline of work schedule including anticipated beginning and completion date of each step of the project (completion means Division of Technical Services accepted).
 - E. Personnel and equipment to be used: (1) identify all applicable Surveyors and Engineers and (2) provide resumes of key personnel who will be assigned to the project.
 - F. Identification of any potential subcontractors and their qualifications.
 - G. Include a signed copy of the "Acknowledgement of Responsibilities" (copy included with Appendix D).
 - H. Proposals should be limited to the requested information and evaluation criteria. Bulky company brochures and information packets only slow the evaluation process.

Final selection of your proposal will be based upon the following information:

Evaluation Criteria

1. Technical Proposal
 - a. The degree to which the firms approval is a feasible and an economical method of performing the survey.
 - b. The degree to which the proposal demonstrates an understanding of the methods, techniques and procedures stated.
 - c. The degree to which the field and office productivity is commensurate with the number of crews and survey method proposed.
2. Experience of Organization
 - a. Degree of experience in similar survey projects. Consider the number, complexity and size of similar projects.
 - b. Work experience in topographical, climatic and social environment similar to this project.
3. Past performance of organization performing land and/or cadastral survey and engineering projects.
4. Experience and education of project supervisor.

- a. Experience and education related to the specifics of the survey project and to the procedures, methodologies and techniques to be employed in fulfilling requirements.
- b. Alaska Registered Professional Land Surveyor.

5. Logistics

The recognition and solution to the logistical support problems for the project.

A single copy of your proposal for each individual project must be received at the Office of the Director, Division of Technical Services, Pouch 7-005, 555 Cordova, Olympic Bldg., Suite 25, Anchorage, Alaska, 99510 by 4:30 PM, December 3, 1982. The proposal cover should be sealed closed and labeled as follows:

Survey Proposal

ATTENTION: Al Talcott

Project

Firm Name

Date

in BOLD LETTERS, easily recognized for handling.

Additional information that may be required to prepare your proposal may be obtained by contacting Al Talcott, 265-4212 at the Division of Technical Services office in Anchorage.

Division of Technical Services will evaluate all proposals submitted and a contractor will be selected for contract negotiations. It is anticipated that all negotiations will be held at the Division of Technical Services office at 555 Cordova Street, Anchorage, Alaska.

The contractor selected for negotiations will be requested to provide a cost proposal as the first stage of negotiations. This cost proposal will include crew costs, production rates, subsistence costs, office costs and any other cost elements, of the total proposed cost. If a multiplier is used to achieve the crew rate, it will be considered as including all standard survey equipment (including an optical reading transit [Theodolite]), some type of EDM and a motor vehicle.

The successful contractor will be required to submit a certificate of insurance for general liability, automobile liability and workmen's compensation.

The successful contractor may be required to submit four (4) additional copies of his proposal for the Division of Administration.

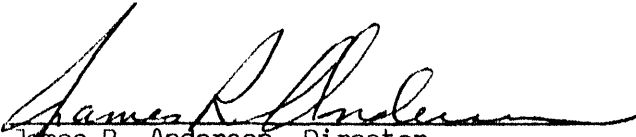
This request does not commit the State to award a contract nor to pay any costs incurred in the submission of a proposal. The State reserves the right to reject any and all proposals on any of the grounds provided by law or to negotiate separately with any source(s) qualified, or to make award without further discussions.

ANY PROPOSALS, IF REQUESTED IN THE PROPOSAL, WILL BE CONSIDERED THE PROPERTY OF THE PROPOSING FIRM AND WILL NOT BE RELEASED OR MADE AVAILABLE TO ANY OTHER FIRMS WITHOUT THE EXPRESSED CONSENT OF THE PROPOSER. THE SUCCESSFUL PROPOSAL WILL BECOME A PART OF THE CONTRACT, ALL OTHERS WILL BE DESTROYED.

James R. Anderson, Director
Department of Natural Resources
Division of Technical Services
State of Alaska

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James R. Anderson, Director
Department of Natural Resources
Division of Technical Services
State of Alaska

TO RESPONDERS TO STATE OF ALASKA "REQUEST FOR PROPOSAL"

In the past, the Division of Technical Services has received several requests to review or receive copies of proposals submitted by consultants to this Division. In many instances, these requests are from other consultants who are attempting to improve upon their own proposal preparation.

If you wish to have your proposal kept confidential, please fill out the attached form and include it in your proposal as one of the first three (3) sheets. This will enable us to locate it immediately. If this form is not included, your proposal will be made available for review, upon request, until such time as it is destroyed.

PROPRIETARY INFORMATION

This proposal is the property of the proposer and is being submitted in response to the State's recent "Request for Proposal." Due to the personal nature of information contained herein, it is requested that the contents of this proposal not be divulged to any source not involved in the proposal evaluation and subsequent contract monitoring, without the expressed consent of the proposer.

The State may, at it's discretion, destroy this proposal upon the successful completion of negotiations for the project proposed upon.

(Signed)

(Date)

(Firm)

APPENDIX A

DATE: November 12, 1982



STATE OF ALASKA
DEPARTMENT OF ADMINISTRATION

GSC:
TITLE:

STANDARD AGREEMENT FORM
FOR PROFESSIONAL SERVICES CONTRACT CC:

ATN: 82-0236

This contract, which is effective only if it is approved by the Department of Administration, is between the State of Alaska,

Department of NATURAL RESOURCES		hereafter, <i>The State, and</i>	
Contractor		hereafter, <i>the Contractor</i>	
Mailing Address	Street or P. O. Box	City	State Zip Code
Alaska Business License Number		Internal Revenue Service Number	

This is a contract for professional services. AS 44.37.020 authorizes the State to make this contract. The parties to the contract agree as follows:

ARTICLE 1. Appendices. Appendices referred to in this contract and attached to it are considered part of it.

ARTICLE 2. Performance of Services.

- 2.1 Appendix A, Articles 1 through 16, governs the performance of services under this contract.
- 2.2 Appendix B sets forth the services to be performed by the contractor.

ARTICLE 3. Period of Performance. The period of performance under this contract begins _____, 19____, and ends _____, 19____. Performance may be extended for additional periods by the written agreement of the parties.

ARTICLE 4. Consideration.

- 4.1 In full consideration of the Contractor's performance under this contract, the State shall pay the Contractor in accordance with the provisions of Appendix C.
- 4.2 When billing the State, the Contractor shall refer to the State Contract Number and send the billing to: GSC:

Department of Natural Resources	Attn: Division of Technical Services
Mailing Address Pouch 7-005, Anchorage, Alaska 99510	
CONTRACTOR	STATE
Name of Firm	Department or Agency
Signature of Authorized Representative	Signature of Certifying Officer
Typed or Printed Name of Authorized Representative	Typed or Printed Name of Certifying Officer
Title	Title

APPROVAL BY THE DEPARTMENT OF ADMINISTRATION

NOTICE! This contract has no effect except as an offer by the Contractor until it is approved by the Department of Administration.

Signature of Authorized Official of the Department of Administration	Date
Typed or Printed Name of Authorizing Official	Title

APPENDIX A

ROUGH DRAFT

Article 1. Definitions.

- 1.1. In this contract and appendices, "Certifying Officer" means the person who signs this contract on behalf of the Department and includes a successor or authorized representative.
- 1.2 "Department" means the agency for which this contract is to be performed and for which the Certifying Officer acted in signing this contract.

Article 2. Inspection and Reports.

- 2.1 The Department may inspect, in the manner and at reasonable times it considers appropriate, all the Contractor's facilities and activities under this contract.
- 2.2 The Contractor shall make progress and other reports in the manner and at the times the Department reasonably requires.

Article 3. State Saved Harmless.

The Contractor shall indemnify and hold and save the State, its officers, agents and employees harmless from liability of any nature or kind, including costs and expenses, for or on account of any and all legal actions or claims of any character whatsoever resulting from injuries or damages sustained by any person or persons or property arising from its performance of this contract in any way whatsoever.

(OVER)

Article 4. Disputes.

4.1. Any dispute concerning a question of fact arising under this contract which is not disposed of by mutual agreement shall be decided without bias by the Director of the Department's Division of Administrative Services (or, if none, the Department's Administrative Officer), who shall reduce his decision to writing and mail or otherwise furnish a copy of it to the Contractor. The decision of the Director is final and conclusive unless, within 30 days from the date of receipt of that copy, the Contractor mails or otherwise furnishes to the Certifying Officer a written appeal addressed to the Commissioner of the Department. The Commissioner shall appoint a three-person board from the Department to hear the appeal, none of whom may be from the Division of Administrative Services. The decision of the board is final and conclusive, unless it is fraudulent or not supported by substantial evidence. In any proceeding under this article, the Contractor has a right to be heard by an unbiased panel and to offer evidence in support of his appeal. Pending final decision of a dispute, the Contractor shall proceed diligently with the performance of the contract and in accordance with the Director of the Division of Administrative Services decision.

4.2 This disputes article does not preclude consideration of questions of law in connection with decisions provided for in paragraph 4.1 above. However, this article does not make the decision of any administrative official, representative or board on a question of law final or conclusive.

Article 5. Equal Employment Opportunity.

5.1. The Contractor may not discriminate against any employee or applicant for employment because of race, religion, color, national origin, or because of age, physical handicap, sex, or marital status, change in marital status, pregnancy or parenthood when the reasonable demands of the position do not require distinction on the basis of age, physical handicap, sex, or marital status, changes in marital status, pregnancy, or parenthood. The Contractor shall take affirmative action to insure that the applicants are employed and that employees are treated during employment without regard to their race, color, religion, national origin, ancestry, age, sex, or marital status. This action must include, but need not be limited to, the following: employment, upgrading, demotion, transfer, recruitment or recruitment advertising, layoff or termination, rates of pay or other forms of compensation, and selection for training including apprenticeship. The Contractor shall post in conspicuous places, available to employees and applicants for employment, notices setting out the provisions of this paragraph.

5.2. The Contractor shall state, in all solicitations or advertisements for employees to work on State of Alaska contract jobs, that it is an equal opportunity employer and that all qualified applicants will receive consideration for employment without regard to race, religion, color, national origin, age, physical handicap, sex, or marital status.

5.3 The Contractor shall send to each labor union or representative of workers with which the Contractor has a collective bargaining agreement or other contract or understanding a notice advising the labor union or workers' representative of the Contractor's commitments under this article and post copies of the notice in conspicuous places available to all employees and applicants for employment.

5.4. The Contractor shall include the provisions of this article in every contract, and shall require the inclusion of these provisions in every contract entered into by any of its subcontractors, so that those provisions will be binding upon each subcontractor. For the purpose of including those provisions in any construction, maintenance, or service contract or subcontract, as required by this contract, "contractor" and "subcontractor" may be changed to reflect appropriately the name or designation of the parties of the contract or subcontract.

5.5. The Contractor shall cooperate fully with the office or agency of the State of Alaska which seeks to deal with the problem of unlawful discrimination, and with all other State efforts to guarantee fair employment practices under this contract, and promptly comply with all requests and directions from the State Commission for Human Rights or any of its officers or agents relating to prevention of discriminatory employment practices.

5.6. Full cooperation in paragraph 5.5 includes, but is not limited to, being a witness in any proceeding involving questions of unlawful discrimination if that is requested by any official or agency of the State of Alaska; permitting employees of the Contractor to be witnesses or complainants in any proceeding involving questions of unlawful discrimination, if that is requested by any official or agency of the State of Alaska; participating in meetings; submitting periodic reports on the equal employment aspects of present and future employment; assisting in inspection of the Contractor's facilities; and promptly complying with all state directives considered essential by any office or agency of the State of Alaska to insure compliance with all federal and state laws, regulations, and policies pertaining to the prevention of discriminatory employment practices.

5.7 Failure to perform under this article constitutes a material breach of the contract.

Article 6. Termination.

The Certifying Officer, by written notice, may terminate this contract, in whole or in part, when it is in the best interest of the State. The State is liable only for payment in accordance with the payment provisions of this contract for services rendered before the effective date of termination.

Article 7. No Assignment or Delegation

This contract is personal and the Contractor may not assign or delegate this contract, or any part of it, or any right to any of the money to be paid under it, except with the written consent of the Certifying Officer.

Article 8. No Additional Work or Material

No claim for additional services, not specifically provided in this contract, performed or furnished by the Contractor, will be allowed, nor may the Contractor do any work or furnish any material covered by the contract unless the work or material is ordered in writing by the Certifying Officer and approved by the Department of Administration.

Article 9. Independent Contractor.

The Contractor and any agents and employees of the Contractor act in an independent capacity and are not officers or employees or agents of the State in the performance of this contract.

Article 10. Payment of Taxes.

As a condition of performance of this contract, the Contractor shall pay all federal, state, and local taxes incurred by the Contractor and shall require their payment by any subcontractor or any other persons in the performance of this contract. Satisfactory performance of this paragraph is a condition precedent to payment by the State under this contract.

Article 11. Workmen's Compensation Insurance.

During the life of this contract, the Contractor shall provide and maintain, for all employees of the Contractor engaged in work under this contract, workmen's compensation insurance as required by AS 23.30. The Contractor shall require any subcontractor to provide and maintain for its employees workmen's compensation insurance as required by AS 23.30. That coverage must remain in force from the day services begin under this contract and shall provide for written notice to the Certifying Officer at least 30 days before cancellation or non-renewal. Failure to furnish satisfactory evidence of insurance or lapse of the policy is a material breach and grounds for termination of the Contractor's services. Before performing under this contract, the Contractor shall furnish the Certifying Officer with certificates of insurance as proof of compliance with this article. The certificates of insurance must include an All States' Broad Form Endorsement.

Article 12. Insurance.

Before this contract may be approved, the Contractor shall furnish a certificate of liability insurance evidencing coverage satisfactory to the Risk Manager of the Department of Administration.

Article 13. Ownership of Documents.

All designs, drawings, specifications, notes, and other work developed in the performance of this agreement are and remain the sole property of the State of Alaska and may be used by the State for any other purpose without additional compensation to the Contractor. The Contractor agrees not to assert any rights and not to establish any claim under the design patent or copyright laws. The Contractor, for a period of three years after final payment under this contract, agrees to furnish and provide access to all retained materials at the request of the Certifying Officer. Unless otherwise directed by the Certifying Officer, the Contractor may retain copies of all the materials.

Article 14. Governing Law.

This contract is governed by the laws of the State of Alaska.

Article 15. Officials not to Benefit.*

No member of or delegate to Congress, United States Commissioner, or officials of the state or federal government may be admitted to any share or part of this contract or to any benefit to arise therefrom.

Article 16. Covenant Against Contingent Fees.

The Contractor warrants that no person or agency has been employed or retained to solicit or secure this contract upon an agreement or understanding for a commission, percentage, contingent fee, or brokerage except employees or agencies maintained by the Contractor for the purpose of securing business. For the breach or violation of this warranty, the State may terminate this contract without liability or in its discretion deduct from the contract price or consideration the full amount of the commission, percentage, brokerage, or contingent fee.

* Articles 15 and 16 are to be used only if the professional services contract is federally funded.

APPENDIX B, SERVICES TO BE PERFORMED

DATE: November 12, 1982

APPENDIX B
(Iditarod Trail Location Survey)

I. GENERAL CLAUSES

A. Project:

The Contractor shall furnish all labor and materials attendant to and a part of undertaking the reconnaissance, investigation, design, field staking and platting of Department of Natural Resources Project, Iditarod Trail Location Survey, Goose Creek to Susitna Station, 1983. Work accomplished within the purview of this Contract shall be done in accordance with current Division of Technical Services Regulations and criteria as set forth in this contract.

B. Monuments:

Primary monuments will be supplied by the State. Secondary monument caps will be furnished by the State (see Item II.C.6A.), [13-5(6)].

C. Ownership of Documents:

In addition to Article 13, Appendix A, all data generated as a result of this Contract shall be delivered to the State at the direction of the Director, Division of Technical Services, or his authorized representative. During the period of performance, the information may not be disclosed to third parties, except as expressly provided in the Contract, without the written permission of the Director.

D. Certifying Officer:

The Certifying Officer's authorized representative shall be the Division of Technical Services, Department of Natural Resources.

E. Inspection:

In addition to Article 2.1, Appendix A, the Contractor may not be granted a time extension to perform a work correction required as a result of a periodic or final inspection, if such correction is necessary because of improper work by the Contractor.

F. Changes:

In addition to Article 8, Appendix A, at such time additional work is required, the State shall forward to the Contractor a description of the work to be accomplished and request that a proposal be offered within a given period.

G. Termination:

In addition to Article 6, Appendix A, the Contractor shall, within ten (10) days from the beginning of any delay in the timely prosecution of this contract, notify the State in writing of the causes of delay.

H. Field Procedures:

"The survey shall employ field survey procedures which self-check the survey and which justify the claim of achieving the required degree of accuracy.

Said procedures and computed accuracy of survey will be shown in the field notes."

I. Project Maps:

The project maps furnished for the project show some record monumentation in some of the project areas. These maps may not be complete and the locations of the portrayed monuments may be inaccurate.

II. SCOPE OF PROJECT

A. Overview:

The purpose of this contract is to monument and plat the centerline and right-of-way of the Iditarod Trail in a manner so it will retain its historical and natural values.

1. The centerline of the trail will be identified by the Iditarod Trail Blazers Association President, Edward Frandsen and Chief Trail Blazer, Joe Redington, Sr. The centerline of the trail will be cleared by the Trail Blazers prior to survey by the contractor. The Trail Blazers anticipate they will be in the field by November 15, 1982 and complete the trail clearing January 15, 1983.

The surveyor will cease use of the brushed trail and remove any surveying equipment from the trail during the time that race activities are utilizing that portion of the trail, thus not interfering with the racing activities.

This project will consist of the following items of work but not limited to them exclusive:

- a. Research of surveys of record, status plats, borough parcel maps to identify ownership and survey data.

- b. Survey the centerline of the Iditarod Trail from its location as shown on ASLS 79-14 to its position as shown on (Palmer recording number 79-359) Susitna Station to Finger Lake, Iditarod Trail and Plat (Anchorage recording number 82-42), approximately twenty-three (23) miles in length; as identified and cleared by the Iditarod Trail Blazers Association. Two adjacent monuments on each of the previous Iditarod Trail Surveys shall be included in the traverse.
- c. Establish right-of-way monuments along the trail as identified in the special instructions.
- d. Perform survey ties to "Burns" historical cabin, other improvements, survey monuments and major water courses within the trail corridor and up to one hundred feet (100') from the right-of-way lines established in this survey.
- e. Make intersection ties and monument intersection of actual trail and right-of-way lines with the township lines, surveyed section lines, or other survey of record which separate State land from private or Borough land.

B. Definitions:

- 1. Actual trail centerline: The apparent centerline of the trail as established and brushed by the "Trail Blazers Association."
- 2. Average trail centerline: This is an imaginary centerline connecting two actual trail centerline angle points. From which, the apparent centerline never deviates more than twenty-five (25') feet.
- 3. Trail right-of-way lines: A line established parallel to the average trail centerline.
- 4. Primary Monuments: Primary monuments are 3 1/4" aluminum caps (with magnetic insert) on 3/4" aluminum rods, rod sections are 36" (bottom section with flanged point) driven nine feet (9') or to refusal.
- 5. Secondary Monument: Secondary monument shall be a 2" aluminum cap on a 5/8" X 30" rebar. Secondary monuments will have the ASLS number (assigned by the State), "Iditarod Historic Trail, 1983", a center punch mark, and a monument number.
- 6. Ahead: Looking in the direction that the trail user normally faces when traveling toward Nome.

C. Special Instructions

1. Research of Public Records

Prior to going into the field, the Contractor must thoroughly research the Borough tax records, records of survey, status plats, Borough parcel maps and survey data to determine ownership of the land the trail crosses.

2. Accuracy

The accuracy of the survey shall be 1:5000. The surveyor shall employ field procedures which self-check the survey and which will justify the claim of achieving the required degree of accuracy. The said procedures and computed accuracy of survey will be shown in the field books and data submitted for review.

3. Survey Line

The actual trail centerline will be cut by the Trail Blazers - therefore Contractor's brushing should be kept to a minimum. Any brush the Contractor has to cut must be removed from the trail.

The right-of-way lines will not require clearing. The Contractor will have to cut his line from the trail centerline to the corresponding primary monument location on the right-of-way line.

The Contractor must obtain permission, in writing, from the land owner, to survey across his land, if the Contractor is refused permission, he must traverse around the private land and pick up the trail where it exits the private land. The traverse points around private land need not be monumented.

4. Coordinates

Basis of coordinates will be a geodetic control monument at the beginning of the survey. Geodetic control monuments must be tied to at the end of the survey.

The datum shall also be listed with the coordinates in anticipation of the projected datum shift of 1983, henceforth all plats displaying geodetic coordinates must also list the datum, i.e., NORTH AMERICAN DATUM OF 1927 (NAD 1927).

5. Bearings

The basis of bearings will be established between two geodetic control stations near the beginning of the survey. All bearing shown on the plat will be true bearings, as referenced to the true meridian.

6. Monumentation

Primary monuments and secondary monument caps, with the Iditarod Trail logo inscribed upon them, will be provided by the State. The Contractor shall furnish the 5/8" X 30" rebar for the secondary monuments.

a. Centerline Monumentation: All centerline monuments will be secondary monuments.

- 1) All average trail centerline angle points will be monumented with a secondary monument set flush with the ground.
- 2) All centerline monuments will be a maximum of 1320 feet apart.
- 3) All centerline monuments must be intervisible with another centerline monument both forward and back.
- 4) A secondary monument will be set at the intersect point of the trail centerline and any approved (recorded) BLM, State, Borough or private survey line. This may be a township line, section line, line separating Borough and State land, OTE, U.S. Survey or private surveys.

b. Right-of-Way Monumentation:

- 1) All right-of-way monuments will be primary monuments.
- 2) Primary monuments on the rights-of-way will be stamped with the ASLS number, year, surveyor's registration number and the centerline monument number followed by a dash and the letter "L" for left right-of-way or the letter "R" for right right-of-way (referenced facing ahead on centerline).
- 3) The right-of-way will be monumented opposite each centerline monument and numbered accordingly (right to left).

7. Monument Accessories

Primary monuments will be referenced by three (3) bearing trees when available. The center of the bearing tree will be referenced by a distance (nail in side tree) and bearing with a blaze and bearing tree tag placed on the face of the tree facing the monument. When bearing trees aren't available, the primary monument will be referenced by two secondary reference monuments.

A 2" X 4" X 6" post (painted white with a red top) will be set 2' deep within 2' of the primary monument.

The trail secondary monuments will be referenced by a wooden lath (3/8" X 1 1/2" X 4') offset to the side of the brushed trail inscribed within the monument number and offset distance facing the monument.

8. Right-of-Way Lines - This survey establishes right-of-way on State and Borough lands only; not on private lands.
 - a. Right-of-way lines will be established two hundred feet (200') left of the average trail centerline.
 - b. Right-of-way lines will be established two hundred feet (200') right of the average trail centerline. Except from the north-south 1/4 section line, Section 16, to the west section line Section 8, Township 16 N, Range 5 W, S.M. where the right-of-way width will be three hundred feet (300') from centerline. See Project Data Packet.

9. Peripheral Ties

Survey ties will be made to:

- a. All improvements (cabins, roads, etc.) survey monuments and major geographical features (rivers, streams and lakes) within the trail right-of-way and up to one hundred feet (100') outside the right-of-way.
- b. The "Burns" historic cabin in or near Section 34, T 17 N, R 6 W, S.M. will be tied by survey and shown by platted detail as to its location within the smallest aliquot part of the section that will encompass the entire historical site.
- c. Along major water bodies (over twenty [20] acres) the shoreline within the right-of-way shall be meandered.
- d. Rights-of-way and easements of record intersected by the trail shall be shown (with their widths) on the plat.
- e. The intersection of the surveyed trail centerline with the centerline of any road or trail (other than animal trails not of record) or streams wider than twenty feet (20') shall be tied and detailed on the plat together with the bearing of the centerline and width.

10. Anticipated Time Schedule

- a. Surveying:
 - 1) Begin survey, January 15, 1983,
 - 2) End survey, April 1, 1983.
- b. Plat:
 - 1) Plat review, April 30, 1983.
 - 2) Plat approval, May 31, 1983.

APPENDIX C, CONSIDERATION

DATE: November 12, 1982

STATE OF ALASKA
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF TECHNICAL SERVICES

BY: _____
Director
Division of Technical Services

Date: _____

FISCAL DATA:

Amount of this Contract:
Program Activity:
Account Code:

NOTE: At this time encumber
only \$

Budgeted funds are available for the period and purpose of this expenditure.

Certifying Officer

I, _____, certify that I am the
Secretary of the Corporation named as Contractor in the attached contract;
that _____, who signed said contract on
behalf of the Contractor, was then _____ of said
Corporation; that said contract was duly signed for and in behalf of said
Corporation by authority of its governing body, and is within the scope of its
Corporate powers.

(Corporate Seal)

APPENDIX C
Consideration
Iditarod Trail Location Survey

In full consideration of the Contractor's performance hereunder, the State shall pay the Contractor a fixed fee of _____. Upon submission of certified billing and the State's acceptance of the work, payments will be authorized for completion of work as follows:

Field Work:	_____	Completion Date:	_____
Platting:	_____	Completion Date:	_____

Partial payments will be authorized upon completion of 50% and 100% of the field work and 100% completion of the plat. It shall be the State's option to retain up to 20% of the total contract amount pending final approval.

APPENDIX D, ACKNOWLEDGEMENT OF RESPONSIBILITIES

DATE: November 12, 1982

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF TECHNICAL SERVICES

Popuch 7-005; 555 Cordova Street
Anchorage, Alaska 99510

DATE: November 12, 1982

ACKNOWLEDGEMENT OF RESPONSIBILITIES

The data contained in the individual project packets is for information only and is not intended to indicate that a complete search of existing records has been performed. It is the responsibility of the Contractor, under contract to the State of Alaska, Department of Natural Resources (DNR), to research all title and survey records and to identify to the survey coordinator for his project, in writing, all potential conflicts, i.e., unknown survey corners, cabins, trails, mining claims, in-holdings, etc.

The terrain unit and topographic mapping supplies for some of the individual projects has not been field verified. It is the Contractor's responsibility to field verify any terrain unit or topographic mapping that has been supplied by the State of Alaska, Department of Natural Resources.

I certify that I understand the above responsibilities and that the firm of _____ will undertake the above responsibilities if selected as Contractor for _____ project.

By: _____

(Title)

Date: _____

This sheet must be affixed with an original signature and included in your proposal.

APPENDIX E, TYPICAL DETAIL AND CHECKLIST

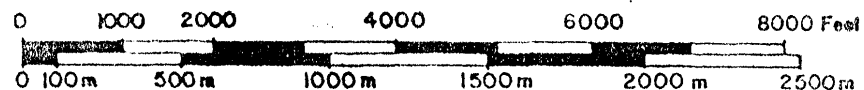
DATE: November 12, 1982

LEGEND

- ⊠ GLO-BLM Monument Recovered
- ⊠ GLO-BLM Monument of Record
- ⊙ Primary Aluminum Cap Monument Set (DTS)
- ⊕ Primary Brass Cap Monument Recovered (DTS or ADL)
- Primary Brass Cap Monument of Record (DTS or ADL)
- Secondary Monument Set (DTS)

- ⊙ Geodetic Control Monument Recovered
- ⊙ Geodetic Control Monument of Record

SCALE (as appropriate)

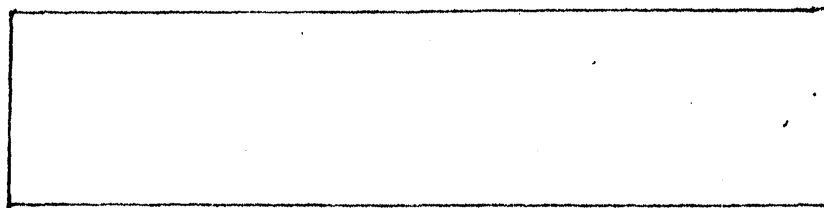


1 Meter = 3.2808333 U.S. Survey Feet 1 U.S. Acre = 0.4047 Hectares

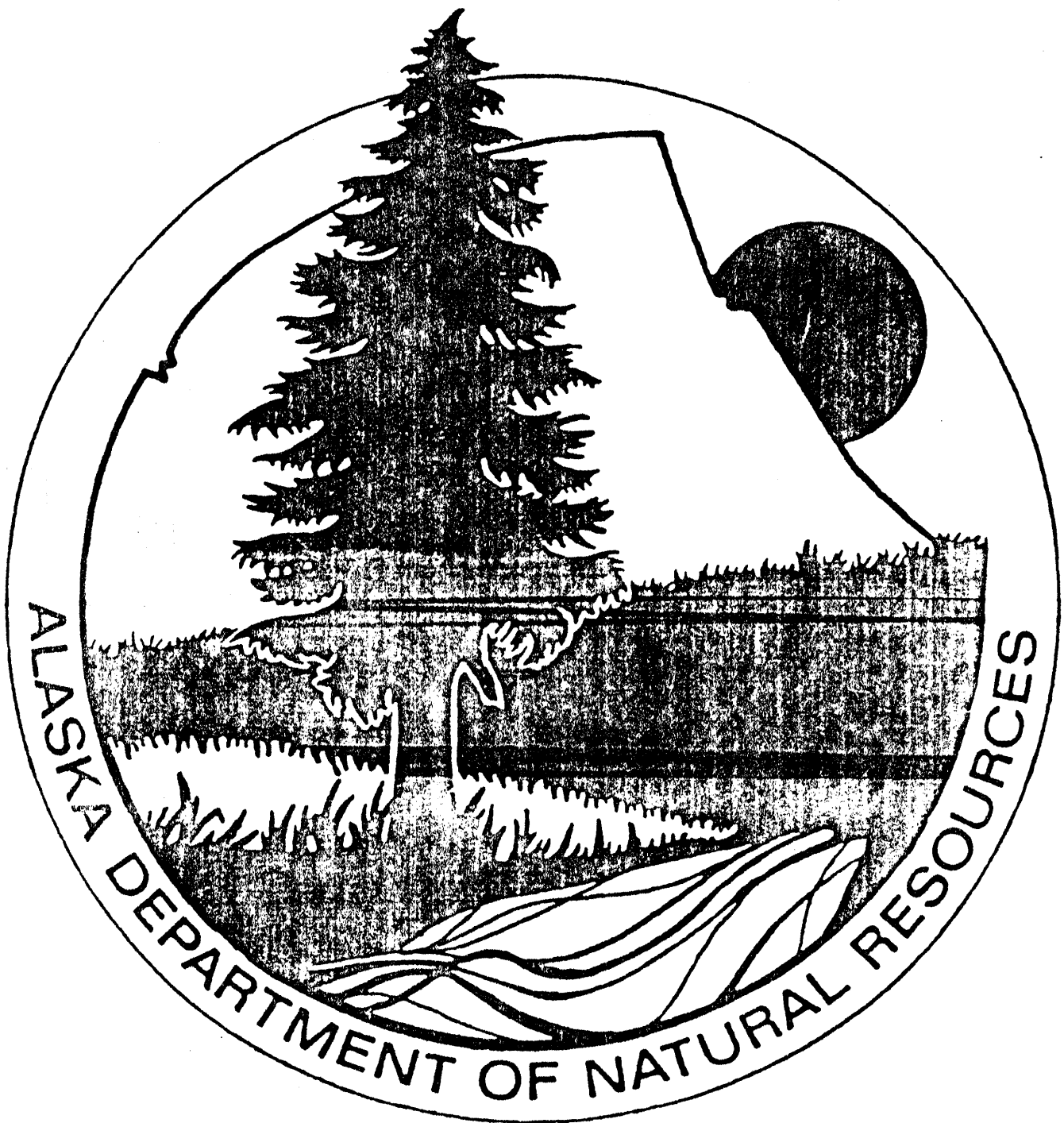
DATE OF SURVEY Beginning _____ Ending _____	NAME OF SURVEYOR ADDRESS _____		
STATE OF ALASKA DEPARTMENT OF NATURAL RESOURCES DIVISION OF TECHNICAL SERVICES ANCHORAGE, ALASKA			
DRAWN BY _____ DATE _____	APPROVAL RECOMMENDED _____ <small>Chief Cadastral Surveyor Date</small>		
SCALE _____	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%; padding: 5px;">CHECKED _____</td> <td style="padding: 5px;"> FILE NO. ASLS 73-XX </td> </tr> </table>	CHECKED _____	FILE NO. ASLS 73-XX
CHECKED _____	FILE NO. ASLS 73-XX		



STATE OF ALASKA
DEP'T. OF NATURAL RESOURCES



COVER SHEET EMBLEM



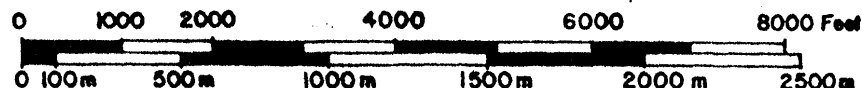
DIVISION OF TECHNICAL SERVICES

LEGEND

- ⊠ GLO-BLM Monument Recovered
- ⊗ GLO-BLM Monument of Record
- ⊕ Primary Aluminum Cap Monument Set (DTS)
- ⊕ Primary Brass Cap Monument Recovered (DTS or ADL)
- Primary Brass Cap Monument of Record (DTS or ADL)
- Secondary Monument Set (DTS)

- ⊙ Geodetic Control Monument Recovered
- ⊙ Geodetic Control Monument of Record

SCALE (as appropriate)



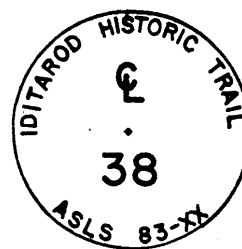
1 Meter = 3.2808333 U.S. Survey Feet 1 U.S. Acre = 0.4047 Hectares

DATE OF SURVEY Beginning _____ Ending _____		NAME OF SURVEYOR ADDRESS _____	
STATE OF ALASKA DEPARTMENT OF NATURAL RESOURCES DIVISION OF TECHNICAL SERVICES ANCHORAGE, ALASKA			
DRAWN BY _____ DATE _____		APPROVAL RECOMMENDED _____ Chief Cadastral Surveyor Date _____	
SCALE _____		CHECKED _____ FILE NO. ASLS 73-XX	

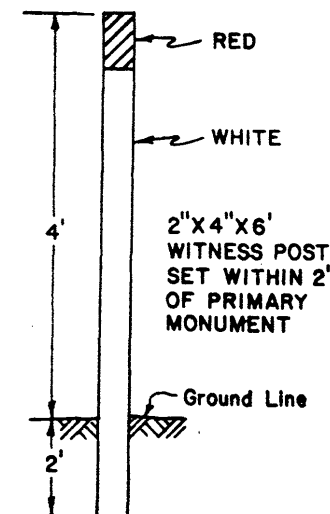


0000-S-
SURVEYOR REGISTRATION NUMBER

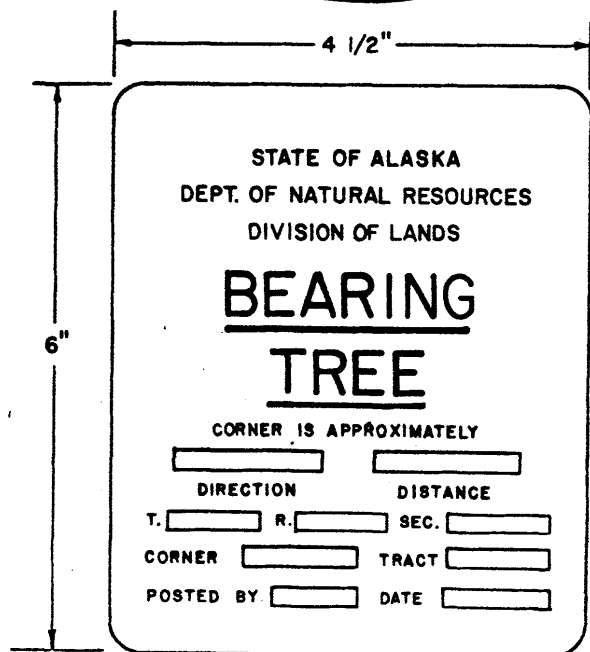
PRIMARY



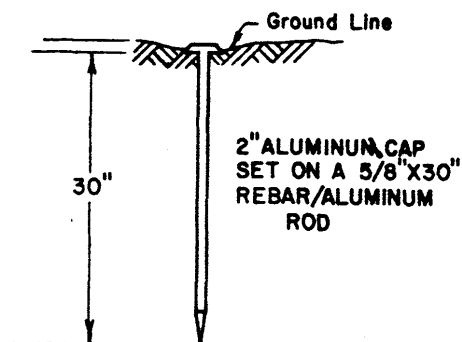
SECONDARY



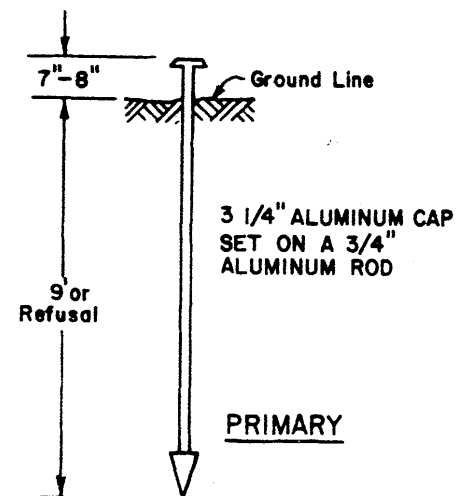
TYPICAL MARKER POST



TYPICAL BEARING TREE TAG



SECONDARY



PRIMARY

TYPICAL MONUMENT SETTINGS

TYPICALS

NOT TO SCALE

TYPICAL CERTIFICATES

CERTIFICATE OF OWNERSHIP AND DEDICATION

I, the undersigned, hereby certify that I am the Director, Division of Technical Services, and that the State of Alaska is owner of A.S.L.S. _____, as shown hereon. I hereby approve this survey and plat for the State of Alaska, and dedicate for public or private use as noted, all easements, public utility areas, and rights-of-way as shown and described hereon.

DATE: _____

DIRECTOR,
DIVISION OF TECHNICAL SERVICES

NOTARY'S ACKNOWLEDGEMENT

Subscribed and sworn to before me this _____ day of _____, 1982.

NOTARY FOR ALASKA _____
MY COMMISSION EXPIRES: _____

SURVEYOR'S CERTIFICATE (all plats)

I, hereby certify that I am properly registered and licensed to practice land surveying in the State of Alaska, and that this plat represents a survey made by me or under my direct supervision, and the monuments shown hereon actually exist as described, and that all dimensions and other details are correct.

Date: _____ (date)

Registration Number _____ (number)

Surveyor's Seal

(signature in black ink)

Municipal certificates (if applicable)

Matanuska-Susitna Borough Dedication

TYPICAL CERTIFICATES

IDITAROD TRAIL COMMITTEE CERTIFICATE

The Iditarod Trail Committee has reviewed this plat, and accepts it as an accurate depiction of the trace of the Historic Iditarod Trail.

DATE

PRESIDENT
IDITAROD TRAIL COMMITTEE

SURVEYOR'S CERTIFICATE

I, hereby certify that I am properly registered and licensed to practice land surveying in the State of Alaska, and that this plat represents a survey made by me or under my direct supervision, and the monuments shown hereon actually exist as described, and that all dimensions and other details are correct.

Date: _____ (date)

Registration Number _____ (number)

Surveyor's Seal

(signature in black ink)

IDITAROD TRAIL BLAZER CERTIFICATE

This is to certify that I, Joe Redington Sr. assisted by _____, do hereby certify the location of the Historic Iditarod Trail to be that as shown herein from personal knowledge and a search of available records.

DATE

JOE REDINGTON, SR.
TRAIL BLAZER

ED FRANDSEN, PRESIDENT
IDITAROD TRAIL BLAZERS

DIVISION OF TECHNICAL SERVICES
IDITAROD TRAIL SURVEY PLAT CHECK LIST

GSC # _____
PROJECT _____
NAME: _____

	<u>Contractor</u>	<u>D.T.S.</u>
REVIEWED BY:	_____	_____
DATE:	_____	_____

Legend: X If item is Okay
O If item is Deficient

- | | | |
|--|-------|-------|
| 1. Vicinity Map. | | |
| a. North arrow? | _____ | _____ |
| b. This survey? | _____ | _____ |
| c. At least 4" x 4"? | _____ | _____ |
| d. Townships marked? | _____ | _____ |
| e. Ranges marked? | _____ | _____ |
| f. Scale: 1" = 4 Miles (1:250,000)? | _____ | _____ |
| g. Source - USGS quad, name, number, date? | _____ | _____ |
| h. Prominant natural features? | _____ | _____ |
| 2. North Arrow. | | |
| a. True north shown? | _____ | _____ |
| b. Magnetic north shown? | _____ | _____ |
| c. Magnetic declination. | _____ | _____ |
| (1) Source? | _____ | _____ |
| (2) Date? | _____ | _____ |
| 3. Bar Scale. | | |
| a. Directly over title block? | _____ | _____ |
| b. Same scale as plat scale? | _____ | _____ |
| c. Foot-meter equation? | _____ | _____ |
| 1m = 3.280833 U.S. Survey feet | _____ | _____ |
| d. Word "SCALE" underlined and positioned directly over bar scale? | _____ | _____ |
| 4. Title Block. | | |
| a. Size = 4" x 5-1/4"? | _____ | _____ |
| b. Date of survey: beginning and ending? | _____ | _____ |
| c. Name and address of surveyor? | _____ | _____ |
| d. Drawn by and date? | _____ | _____ |
| e. Title Section: | _____ | _____ |
| (1) Alaska State Cadastral Survey Plat | _____ | _____ |
| (2) Located with Section(s) | _____ | _____ |
| (3) Township _____ Range _____ | _____ | _____ |
| (4) Meridian _____ Alaska _____ | _____ | _____ |
| (5) Tract "A" ? (From BLM Plat) | _____ | _____ |

	<u>Contractor</u>	<u>D.T.S.</u>
f. Approval recommended?	_____	_____
g. Chief Cadastral Surveyor - date?	_____	_____
h. Scale 1" = 1000'?	_____	_____
i. Checked - left empty?	_____	_____
j. File number block - left empty?	_____	_____
5. Legend.		
a. Standard symbols used on plat?	_____	_____
b. All symbols used on plat shown?	_____	_____
c. "LEGEND" underlined?	_____	_____
6. Sections which the trail traverses will be subdivided into tracts.	_____	_____
7. Have all coordinate values shown been checked for accuracy?	_____	_____
8. Show existing cadastral and other control monuments within boundary of survey.	_____	_____
9. Show surveyed cadastral lines as solid and unsurveyed cadastral lines as dashed through out township.	_____	_____
10. Are existing approved federal and state Land surveys within this survey shown on plat?	_____	_____
11. Other documents reviewed.		
a. Status?	_____	_____
b. BLM?	_____	_____
c. DNR?	_____	_____
d. U.S. surveys	_____	_____
e. Borough?	_____	_____
f. Mineral plats?	_____	_____
12. Basis of bearing.		
a. Bold print?	_____	_____
b. Underlined?	_____	_____
c. Geodetic forward and back bearing & distance if coming from Geodetic net. Includes tie to survey	_____	_____
e. Show by detail if outside of township?	_____	_____
13. Basis of coordinates.		
a. Underlined?	_____	_____
b. Source?	_____	_____
c. Latitude?	_____	_____
d. Longitude?	_____	_____
e. Proper significant figure? No developed coordinate values shown to greater significant figures than the record basis of those coordinates.	_____	_____
f. Geodetic Coordinate Datum? i.e. (1927 NAD)	_____	_____

Contractor D.T.S.

14. Bearings.

- a. All plat bearings shown hereon are true as referenced to the true meridian. All plat distances shown are reduced to horizontal field distances (except where noted., i.e, tie from basis of coordinates to cadastral survey).

- b. Show record and found.

15. Distances (reduced to horizontal, but not sea level)

- a. All shown where necessary

- b. Show record and found.

16. Monumentation

- a. Primaries set per Approved Monumentation Diagram.

- b. Typical monumentation.

- (1) Was a typical monument description or detail given for primary and secondary monuments?
To include cap and shaft diameter, material, length, and depth set.

- (2) Three (3) bearing trees or two (2) reference monuments required at all primary monuments.

- (3) Typical monument markings shown for all types of monuments set?

- (4) Witness post set?

- (5) Typical bearing tree tag shown?

- c. Recovered and existing shown.

- d. Monument description if different from typical.

- e. All recovered monument markings shown?

- f. Monument marking checked against monument rubbings.

17. Certificates

- a. Surveyor

- b. Approval

- c. Iditarod Trail Committee

- d. Iditarod Trail Blazers

- e. Ownership

- f. Matanuska-Susitna Borough

18. Plat and Graphic Standards

- a. Lettering and numbering not smaller than Leroy #80 template and 00 pen size.

- b. Dimensions scale within 95% of platted length.

19. Right-of-way labeled "Iditarod Trail Right of Way"

NOTES FOR ALASKA STATE CADASTRAL SURVEYS

STANDARD NOTES

1. This survey was executed under the terms of GSC-_____
2. All plat bearings shown hereon are true as referenced to the true meridian. All plat distances shown are reduced to horizontal field distances (except where noted i.e. tie from basis of coordinates to cadastral survey).
3. The title, Alaska Division of Lands (ADL), Division of Technical Services (DTS and Department of Natural Resources (DNR) are synonymous.
4. Please include a note stating what survey field method was utilized in establishing the monuments; i.e., "The line of sight ground survey traverse method was used in establishing all monuments"; also state source and date of geodetic coordinate values used for basis of protraction (if applicable).
5. A five foot (5') radius easement is created around control station(s) _____. A five foot (5') wide line-of-site easement is created between control monuments indicated in the plat by tie lines. A twenty foot (20') access easement is created from the nearest practical point as shown on this plat to the control monuments. All pursuant to 11 AAC 53.300(4).
6. Topography has been obtained from _____.
7. All parcels on lands owned by the State of Alaska, located within 50.00 feet of, or bisected by a surveyed section line, are subject to a fifty foot (50) easement, each side of, the section line, which is reserved to the State of Alaska for public highway use pursuant to 11 AAC 53.010.
8. *The dashed section lines shown hereon are not the official protraction within the township.
*The note shall be at the bottom center of the plat under the section and township.

OTHER NOTES (IF APPLICABLE)

1. The meanders shown hereon are for area computation purposes only.

NOTES ARE TO BE WORDED EXACTLY AS SHOWN

Plat:

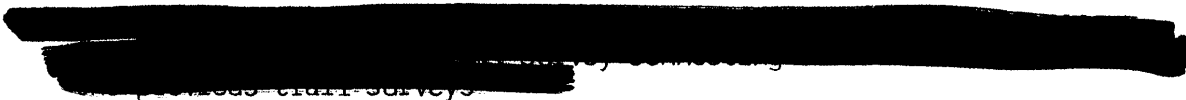
Sheet size 36" X 42", scale 1" = 1000 feet. A metric bar scale above the title block is required on each sheet with foot and meter equations. The name of survey, ASLS No. and location by township, range and meridian will be placed in each title block. A separate sheet will be prepared for each township traversed by the Iditarod Trail this survey. Sections traversed by the trail will be subdivided into tracts, as appropriate, and each section shall have an acreage tabulation for Tract A-B and right-of-way, based on record and survey data.

Cover Sheet:

Show trail plotted on USGS Quad sheets (1" = 1 mile) with the plat sheets indexed. Insert the official Iditarod Trail Seal and DNR emblem. The name "1983 Iditarod Trail Survey" - "Goose Creek to Susitna Station" will be shown. Basis of bearing with record coordinate values shown.

Subsequent Sheets Will Show:

- Sections numbered and section lines shown
- Surveyed lines solid and protracted lines dashed
- All cadastral and geodetic monuments of record
- Recovered monument markings
- Record and measured dimensions and bearings on all cadastral section lines crossing the trail and trail intersection ties
- Additional sheets as needed for plat details required under scope of survey

- 
- The widths of the rights-of-ways and easements of record intersected by the trail
 - Typicals, notes and certificates (see examples provided)

Geodetic Coordinate Datum

MAP SHOWING THE PORTION OF THE IDITAROD TRAIL WHERE
THE R-O-W WIDTH IS INCREASED FROM 400' TO 500'
(200' TO THE LEFT OF C AND 300' TO THE RIGHT OF C)

