

Introduced by: Glick
Date: Oct. 8, 1986
Hearing: Apr. 15, 1986 PSTPND.
Vote: Unanimous
Action: Enacted 7/22/86

KENAI PENINSULA BOROUGH
ORDINANCE 85-79 (SUBSTITUTE)

ENACTING A NEW CHAPTER 14.06 TO THE BOROUGH CODE SETTING MINIMAL STANDARDS FOR ROADS TO BE ACCEPTED INTO THE KPB ROAD MAINTENANCE SYSTEM.

WHEREAS, there have been a great number of difficult to maintain roads accepted into the road maintenance system because of lack of standards; and

WHEREAS, it is desirable to have minimal road standards for roads to be accepted into the Borough road maintenance system; and

WHEREAS, it is desirable to have uniform Borough-wide road standards to be administered through the road maintenance service areas;

NOW THEREFORE, BE IT ORDAINED BY THE ASSEMBLY OF THE KENAI PENINSULA BOROUGH:

Section 1. That the KPB Code of Ordinances, Title 14, is amended by adding a new Chapter 14.06 entitled "Road Standards", as follows:

Chapter 14.06

ROAD STANDARDS

14.06.010 Standards applicable. Before a road is accepted into any road maintenance system or program of the Borough or any of its road maintenance service areas, it must meet the requirements set forth in this chapter.

14.06.020 Subdivision standards. All roads within a subdivision must meet or exceed the design requirements of KPB 20.20.010-20.20.260 that pertain to roads or the subdivision standards that were in effect at the time the subdivision plat was given final approval.

14.06.030 Local Road Construction Standards. The Borough hereby adopts the standards for construction of local roads contained in the publication "Kenai Peninsula Borough's Road Construction Standards" (KPB standards) dated March 18, 1986 and attached hereto as Appendix A. Should there be a conflict between the KPB standards and those contained in the subdivision ordinance standards the subdivision standards shall control.

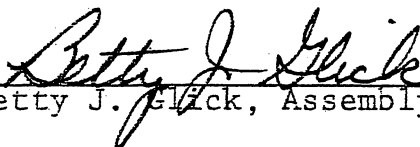
14.06.040 Application for maintenance. Any person may request or apply for an existing or newly constructed road to be placed in the maintenance program where such road lies within an area that has a road maintenance program. Road maintenance service area boards shall establish procedures for making such requests or applications.

14.06.050 Acceptance. Only roads that meet the design and construction standards set forth in this chapter may be included in any borough or borough service area program. Prior to acceptance an inspection shall be performed to determine that these standards have been met.


14.04.060 Other requirements not eliminated. This chapter only establishes the design and construction standards for roads prior to acceptance into the road maintenance program and does not eliminate any other requirements for eligibility for the road maintenance program that may be established by federal or state statutes, borough ordinances or any regulations adopted pursuant to them. Roads accepted for maintenance prior to enactment of this ordinance shall not be disallowed because of their failure to meet requirements of this ordinance.

Section 2. That this ordinance shall take effect immediately upon its enactment.

ENACTED BY THE ASSEMBLY OF THE KENAI PENINSULA BOROUGH ON THIS 22nd DAY OF July, 1986.


Betty J. Gluck, Assembly President

ATTEST:


Joanne Brundley
Borough Clerk

85-79.

KENAI PENINSULA BOROUGH'S

ROAD CONSTRUCTION

STANDARDS

MAY, 1986

FIFTH DRAFT

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ROAD CONSTRUCTION STANDARDS

I. Introduction

The following criteria (standards) for the construction of local roads within the Kenai Peninsula Borough represent a minimum level of service expected in construction of these roads. The developer, engineer or contractor is encouraged to build the roads to highest standard possible within the economical constraints of the project.

II. Definitions

Roads should be constructed for specific traffic volumes and levels of service appropriate for functional classification. Four distinct classifications or categories of roads were developed for these standards. Individual roads are to be constructed in accordance with the standard of the category of road to be constructed.

Category I: A Cul-de-sac road or other minor road, both of which serve less than 15 lots.

Category II: A road which serves between 15 and 60 lots.

Category III: A road which serves between 61 and 100 lots.

Category IV: A road that serves greater than 100 lots.

III. ROADWAY WIDTHS

MINIMUM WIDTHS OF ROAD

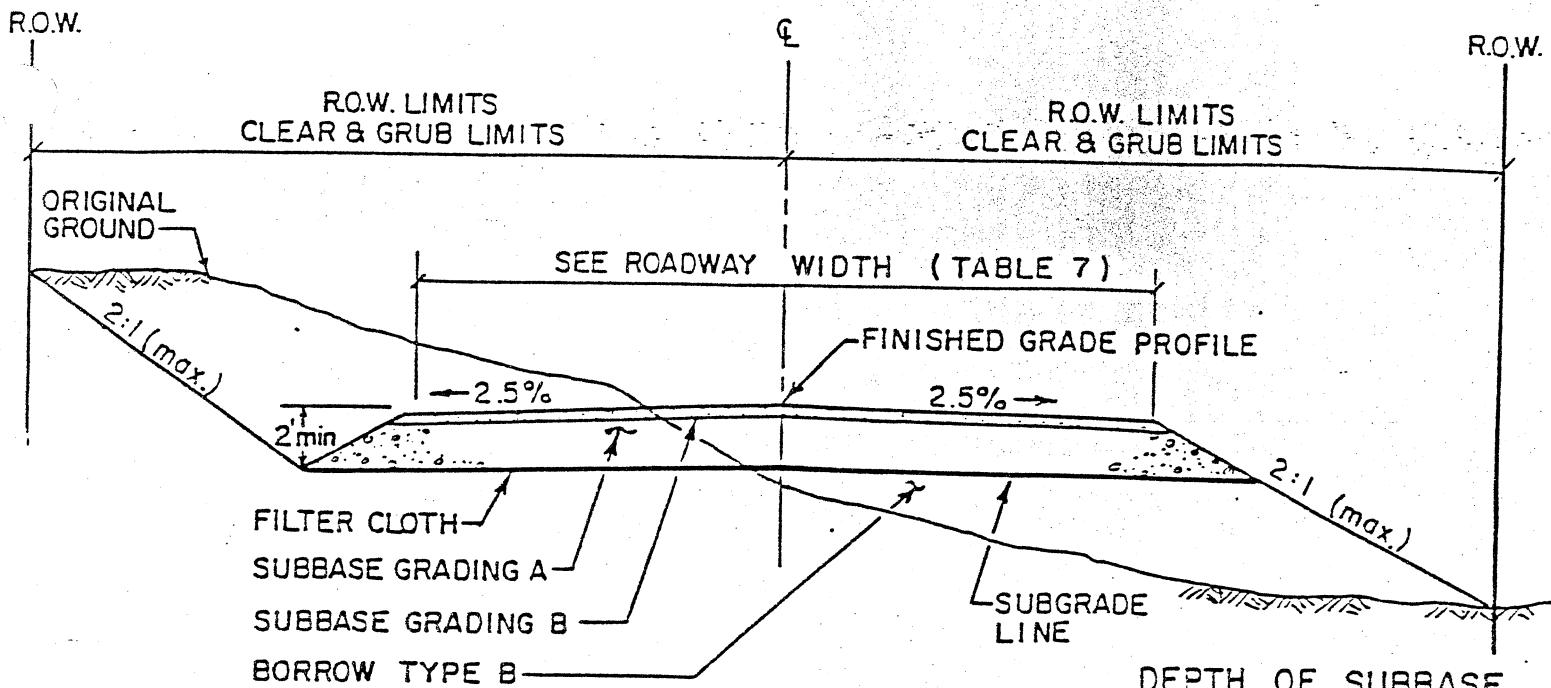
<u>Category of Road</u>	<u>Width (Feet)*</u>
1	18
2	20
3	24
4	28

* Shoulder to shoulder.

IV. STRUCTURES/BRIDGES

The design of bridges, culverts, walls and other structures should be in accordance with the current "Standard Specifications" for Highway Bridges and in accordance with the "Policy on Geometric Design of Highways and Streets 1984."

CONSTRUCTION STANDARDS



"TYPICAL SECTION"
GRAVEL ROADS

DEPTH OF SUBBASE		
CATEGORY	"A"	"B"
I	18"	0
II	24"	0
III	24"	0
IV	24"	4"

GENERAL NOTES:

1. ALL ORGANIC MATERIALS SHALL BE STRIPPED AND WASTED TO A MINIMUM DEPTH OF FOUR FEET BELOW FINISHED GRADE. IF FILTER CLOTH IS UTILIZED OVER ORGANICS THEN THE DEPTH OF SUBBASE MUST BE THREE FEET MINIMUM OR GREATER AS REQUIRED FOR STABLE EMBANKMENT.
2. FILTER CLOTH SHALL BE PLACED OVER ALL SUBGRADE SOILS OF SILTS OR CLAYS MEETING A FROST CLASSIFICATION OF F-4.
3. THE ROADWAY EMBANKMENTS SHALL BE COMPACTED TO 90% OF MAXIMUM DENSITY.
4. A BACKSLOPE OF 2:1 IS REQUIRED UNLESS RIGHT-OF-WAY CONSTRAINTS RESTRICT IT TO 1-1/2:1.
5. IN PLACE OR USEABLE EXCAVATION MATERIAL MEETING THE REQUIREMENTS WITHIN A PARTICULAR SECTION OF THE "TYPICAL SECTION" MAY BE SUBSTITUTED IN LIEU OF HAULING FROM A BORROW PIT.
6. A REGISTERED PROFESSIONAL ENGINEER MAY SUBMIT AN ALTERNATE TYPICAL SECTION BASED ON A SOIL INVESTIGATION, AND REPORT CONSISTING OF TESTHOLES AT LEAST EVERY 500 FEET. ALTERNATE AND TYPICAL SECTION IS SUBJECT TO APPROVAL OF BOROUGH ENGINEER AND SERVICE DISTRICT BOARD.

VI. DRAINAGE AND CULVERT MATERIAL

Roads shall be constructed to prevent ponding of runoff waters in roadside ditches. Drainage ditches shall be constructed such that runoff waters will be conveyed to natural drainage courses, ditches or waterways, or other man-made drainage courses. Outfalls shall be constructed to prevent excessive siltation of riparian habitats, channel erosion or other drainage to public or private property. A roadway cross culvert shall be minimum diameter of 18 inches and driveway culverts shall be a minimum of 15 inches. All culverts, coupling bands and special sections shall be corrugated steel pipe, with a minimum of 16 gauge.

Depressed roadway sections are to be avoided.

VII TYPICAL SECTION MATERIALS

A. SUBBASE

Subbase shall contain no muck, frozen materials, roots, sod or other deleterious matter. It shall have a liquid limit not greater than 25 and plasticity index not greater than 6 as determined by AASHTO T89 and T90.

REQUIREMENTS FOR GRADING FOR SUBBASE PERCENT PASSING BY WEIGHT

Sieve Designation	Grading	
	A	B
4 inch	100	-
2 inch	85-100	100
No. 4	30-70	30-70
No. 200	10 Max	3-10

B. BORROW TYPE B

Borrow Type B shall be earth, sand, gravel, rock or a combination thereof, and shall contain no muck, peat, frozen material, roots, sod or other deleterious material and shall be compactible.

C. FILTER CLOTH

Filter Cloth shall meet or exceed the following physical requirements.

Thickness	9 mils minimum
Weight	4 oz/Sq. Y. Minimum
Grab Strength	200 lbs Minimum
Equivalent Opening Size	20 U.S. Standard Sieve Max.
Permeability	.002 CM/Secs. Minimum