

ALASKA LEGISLATURE

1211

HOUSE and SENATE FINANCE COMMITTEE FILES,

1993-1994

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We are not talking about a few minutes of staff time or a few dollars. In an attempt to estimate how much money it takes to implement the rotation requirements of Ohio law, I examined the annual reports of expenditures of county boards of elections in Ohio and worked out the savings that might result from scrapping Ohio's rotation laws and printing all ballots with each candidate's name in the same position throughout the jurisdiction wherein he or she is running.

In 1982 printing costs for Ohio were \$1,914,938. In 1984 they were \$2,241,649. In 1986 they will probably exceed \$2,600,000. If we could save 1/4 to 1/3 of that amount, it would save the counties \$650,000 to \$865,000. Summit County alone could save about \$15,000, in addition to the \$45,000 they wouldn't need to spend for that software package. Nationwide it could save millions of dollars for financially hard-pressed local governments.

Administrative Burden. Another cost that is more subtle and maybe therefore more insidious is the increased possibility of human error. Election officials go to enormous lengths to check and double check (at increased cost in terms of staff time), but rotation does increase the changes for error. If the wrong rotation is inserted in a voting device, or if a precinct official is too helpful and sends a voter to a voting device in a different precinct polling place at the other end of the gym to avoid the long lines of voters waiting at this precinct, or if the counting officials inadvertently put the absentee ballot cards from Precinct B with the regular ballots from Precinct A, the votes may be counted for the wrong candidates. The ballot accounting systems and checks will almost always pick up the errors, but in the meantime the candidate whose vote total suddenly drops will be absolutely convinced that something crooked happened. The paranoia level of candidates knows no limits and every losing candidate knows he was cheated. The candidate then goes to the media, who understand nothing about either the election equipment or the procedures, headlines are trumpeted about the perceived fraud, and the public nods its head at another crooked election. This will happen this year and every year. The system is good, it does work--but it is so difficult to administer that there will be human errors. The problems will make the news; their resolution seldom will. And one of the major sources of difficulty is intricate rotation systems to achieve fairness.

Ohio Rotation Procedures

The problems and costs of rotation are not related to any one kind of voting equipment. The kinds of problems vary according to whether you use paper ballots, punch cards with or without candidate names printed on them, lever machines, optical scanning devices, or electronic machines, but the level of problems does not vary.

The third column tells how many voting devices will be needed for the Democratic primary in that precinct. Akron 1-A, precinct number 001, will need 3 Democrat voting devices, so the printer must make 3 copies of each page in the correct ballot booklet for that precinct.

Page 1 of the ballot booklet has its ballot rotations described in the fourth column. Page 1 has only one or two candidates for each office listed, so it has only 2 rotations throughout the county, alternating the candidate names in the two-candidate races.

Page 2 is devoted to candidates for Representative to Congress. All of Akron and the surrounding incorporated suburbs are in Congressional District (CD) 14, which has 8 candidates running in the Democratic primary. (A popular Democratic Congressman is retiring this year in a heavily Democratic district; it is an opportunity too good to resist.) Rotating 8 names is not difficult if you keep your wits about you. But on page 49 of the worksheet, we find that a small part of the county (Copley Township) is in CD 13: precincts 519-531. Furthermore, precincts 522 and 525 are split precincts; that is, some of the voters within the precinct are in CD 13 and a few are in CD 14. Remember that CD 14 has 8 candidates. CD 13 has 3 candidates. The rotation for page 2 stopped on rotation 6 for CD 14 in precinct 518. In precinct 519 we start with rotation 1 for CD 13. Precinct 520 is rotation 2, 521 is rotation 3. Precinct 522 is split. The voters who are in CD 13 get rotation 1; for the voters in CD 14, we must go back to see where we left off in its rotation pattern. The last precinct in CD 14 was 518, rotation 6; so the CD 14 voters in precinct 522 get rotation 7.

Precinct 523 is in CD 13 and gets rotation 2; 534 is rotation 3. Precinct 525 is another split, so the voters who are in CD 13 get rotation 1, but the voters who are in CD 14 get rotation 8. Precincts 526-531 get CD 13 rotations 2-3-1-2-3-1. When we get to precinct 532, CD 14 is back to rotation 1.

All is clear sailing until we get to precincts 551 and 552 in Franklin Township. They are in CD 16, which has two candidates. Precinct 551 is a split: the CD 14 voters get rotation 4; CD 16 voters get rotation 1. Precinct 552 is all CD 16 and gets rotation 2. Precinct 553 is in CD 14 and picks up that rotation pattern with rotation 5. A piece of cake!

We move on to page 3 of the ballot booklet, containing candidates for judicial offices, all of whom are the same throughout the county. However, there are 2 candidates for one of these offices and 3 for another, so the least common multiple gives us 6 rotations. Precinct 001, Akron 1-A, is rotation 1, precinct 002 is rotation 2, and so on 1-2-3-4-5-6-1-2-3-4-5-6 through all 645 precincts in the county.

On pages 4 and 5 are candidates for State Committeeman and State Committeewoman. They are elected by Congressional District, so we have the same splits we had for candidates for Congress. However, in CD 14 there are 7 men running and 3 women, giving us a least common multiple of 21 for our rotation pattern. In CD 13, we have 3 men and 1 woman for 3 rotations. CD 16 has 4 men and 5 women for 20 rotations. (I do not make these up to press my point; they were the real ballot.)

This seems a good place to pause and take a look at why the law requires use of the least common multiple instead of allowing us to use the largest number of candidates for any office as the basis for rotation on a given ballot page. With 7 candidates in one race and 3 in another on this page, we can compare the results of a rotation of 7 to a rotation of 21. This is illustrated in Table 1.

All of the precincts in CD 14 have the State Committee candidates on page 4, and page 5 is omitted. The precincts in CDs 13 and 16 have these races on page 5, and page 4 is omitted. This does not affect the rotation, but is done for technical reasons that are specific to punch cards. There are limited spaces that can be used and this is the only way they could get all the candidates on a page together.

When we get to precinct 519, we have to switch from CD 14 rotation 14 to CD 13 rotation 1. Split precinct 522 has CD 13 rotation 1 and CD 14 rotation 15.

When we get to split precinct 551, CD 14 has rotation 15 and CD 16 has rotation 1. In other words, the procedure is the same as it was for Congressional candidates on page 2, but with 21 rotations for State Committee candidates for CD 14 instead of the 8 that it took for Congressional candidates.

Page 6 has the three candidates for State Senate (SD) 27. Since only odd-numbered senatorial districts are up for re-election this year, and since part of Summit County is in Senate District 28, only those precincts in SD 27 have a page 6 in their ballot booklets. The rotation pattern is a straight 1-2-3-1-2-3, so long as you remember to skip any precincts that are not in SD 27 (such as all of Akron Ward 6, precincts 120-146; all but 7 precincts of Akron Ward 7; all of Akron Ward 9; and all of Akron Ward 10 except 10-G and 10-T, precincts 247 and 260).

Page 7 is reserved for candidates for Member of the State House of Representatives. Summit County contains 5 House Districts (HD): 41, 42, 43, 44, and 69. The first 4 are wholly contained within the county, but HD 69 also includes a large chunk of an adjacent county. Fortunately for our purposes, there is only one Democratic candidate in each district, except HD 41, for which no one filed. Therefore everything is rotation 1. This is particularly fortunate because the districts slip in and out of the

That completes the preparatory work that must be done before printing and assembling of the ballots for the Democratic primary for one county for one election can begin.

The same procedure must be completed for the Republican primary. (Independent candidates' names do not appear on the primary ballot.) Only after this is completed can the ballot pages be laid out, printed, then assembled for each voting device for each precinct.

Suggested Research

Having described rotation in more detail than anyone ever wanted to know, the question remains: Is this necessary or even useful?

Election officials are probably like most of the world in that they complain about the problems and complexities of their jobs, but are also very proud of the system we administer and we want it to be right. We are very conscious of the importance of our work. We believe that we are the guardians of the most fundamental institution in a democracy: free, honest, and accurate elections that reflect the will of the governed.

Therefore we want the rules to be fair. So we will implement whatever rules are laid on us by legislatures and the courts. But we want those rules to be the very best that can be devised. Since we lack both the expertise and the resources to conduct the carefully controlled studies that are needed to determine the very best rules, we need the help of those who do have the expertise.

Therefore we need the help of political scientists to devise and carry out the studies that will provide solid evidence on which legislatures and courts can base rational decisions. On the issue under discussion there are a few simple questions that need definitive answers. Unfortunately the questions are simpler than the answers.

Is rotation of candidate names necessary to the fair presentation of candidates to the voters? Does ballot position make a difference? Do some ballot positions give a candidate an advantage? Does the answer to that question vary depending on the kind of election? If the advantage differs, what are the variables that affect it?

Some of these questions have been addressed. We need more studies based on real-world election results in the United States with the different variables isolated so far as possible.

Let election officials help you in these studies. I believe that, if you explain what you are trying to do and how it will help provide information about the consequences of election procedures, you will find state and local election

APPENDIX A

OHIO STATUTES PERTAINING TO THE ROTATION OF CANDIDATES' NAMES ON THE BALLOT

3505.03 Office type ballot

On the office type ballot shall be printed the names of all candidates for election to offices, except judicial offices, who were nominated at the next preceding primary election as candidates of a political party or who were nominated in accordance with section 3513.02 of the Revised Code, and the name of all candidates for election to offices who were nominated by nominating petitions, except candidates for judicial offices, for member of the state board of education, for member of a board of education, for municipal offices, and for township offices.

The face of such ballot below the stub shall be substantially in the following form:

OFFICIAL OFFICE TYPE BALLOT

(A) To vote for a candidate place "X" in the rectangular space at the left of the name of such candidate.

(B) If you tear, soil, deface, or erroneously mark this ballot, return it to the precinct election officers and obtain another ballot.

USE "X" ONLY IN MARKING BALLOT

The order in which the offices shall be listed on the ballot shall be prescribed by, and certified to each board of elections by, the secretary of state; provided that for state, district, and county offices the order from top to bottom shall be as follows: governor and lieutenant governor, attorney general, auditor of state, secretary of state, treasurer of state, United States senator, representative to congress, state senator, state representative, county commissioner, county auditor, prosecuting attorney, clerk of the court of common pleas, sheriff, county recorder, county treasurer, county engineer, and coroner. The offices of governor and lieutenant governor shall be printed on the ballot in a manner that requires a voter to cast one vote jointly for the candidates who have been nominated by the same political party or petition.

The names of all candidates for an office shall be arranged in a group under the title of that office, and shall be rotated from one precinct to another, except absentee ballots. On absentee ballots the names of all candidates for an office shall be arranged in a group under the title of that office and shall be so alternated that each name shall appear, insofar as may be reasonably possible, substantially an equal number of times at the beginning, at the end, and in each intermediate place, if any, of the group in which such name belongs.

The method of printing the ballots to meet the rotation requirement of this section shall be as follows: The least common multiple of the number of names in each of the several groups of candidates shall be used and the number of changes made in the printer's forms in printing such ballots shall correspond with such multiple. The board of elections shall number all precincts in regular serial sequence. In the first precinct, the names of the candidates in each group shall be listed in alphabetical order. In each succeeding precinct, the name in each group which is listed first in the preceding precinct shall be listed last and the name of each candidate shall be moved up one place. In each precinct using paper ballots, the printed ballots shall then be assembled in tablets.

Under the name of each candidate nominated at a primary election and each candidate certified by a party committee to fill a vacancy under section 3513.31 of the Revised Code shall be printed in less prominent type face than that in which the candidate's name is printed, the name of the political party by which the candidate was nominated or certified.

Except as provided in this section, no words, designations, or emblems descriptive of a candidate or his political affiliation, or indicative of the method by which the candidate was nominated or certified, shall be printed under or after a candidate's name which is printed on the ballot.

3505.04 Nonpartisan ballots

On the nonpartisan ballot shall be printed the names of all nonpartisan candidates for election to judicial office, office of member of the state board of education, office of member of a board of education, municipal or township offices for municipal corporations and townships in which primary elections are not held for nomination of candidates by political parties, and municipal offices of municipal corporations having charters which provide for separate ballots for elections for such municipal offices.

Such ballots shall have printed across the top, and below the stubs, "Official Nonpartisan Ballot."

The order in which the offices are listed on the ballot shall be prescribed by, and certified to each board of elections by, the secretary of state; provided that the office of member of the state board of education shall be listed first on the ballot, then state, district, and county judicial offices shall be listed on the ballot in such order, followed by municipal and township offices, and by offices of member of a board of education, in the order stated.

Within the rectangular space within which the title of each judicial office is printed on the ballot and immediately below such title shall be printed the date of the commencement of the term of the office, if a full term, as follows: "Full term commencing _____ (Date) _____" or the date of the end of the term of the office, if an unexpired term, as follows: "Unexpired term ending _____ (Date) _____"

The secretary of state shall prescribe the information and directions to the voter to be printed on the ballot within the rectangular space in which the title of office of member of the state board of education appears.

Within the rectangular space within which the title of each office for member of a board of education is printed on the ballot shall be printed "For Member of Board of Education," and the number to be elected, directions to the voter as to voting for one, two, or more, and, if the office to be voted for is member of a board of education of a city school district, words shall be printed in said space on the ballot to indicate whether candidates are to be elected from subdistricts or at large.

The names of all nonpartisan candidates for an office shall be arranged in a group under the title of that office, and shall be rotated and printed on the ballot as provided in section 3505.03 of the Revised Code.

No name or designation of any political party nor any words, designations, or emblems descriptive of a candidate or his political affiliation, or indicative of the method by which such candidate was nominated or certified, shall be printed under or after any nonpartisan candidate's name which is printed on the ballot.

3509.01 Absent voter's ballots

The board of elections of each county shall provide absent voter's ballots for use at every primary and general election, or special election to be held on the first Tuesday after the first Monday in May, designated by the general assembly for the purpose of submitting constitutional amendments proposed by the general assembly to the voters of the state. Such ballots shall be the same size, shall be printed on the same kind of paper and in the same form as has been approved for use at the election for which such ballots are to be voted; except that in counties using marking devices, ballot cards may be used for absent voter's ballots, and such absent voters may be instructed to mark said ballot cards with an "X" as in the use of paper ballots. The rotation of names of candidates shall be substantially complied with within the limitation of time allotted. Such ballots shall be designated as "Absent Voter's Ballots" and shall be printed and ready for use on the thirty-fifth day before the day of the election.

Absent voter's ballots provided for use at a general or primary election, or special election to be held on the first Tuesday after the first Monday in May, designated by the general assembly for the purpose of submitting constitutional amendments proposed by the general assembly to the voters of the state, shall include only such questions, issues, and candidacies as have been lawfully ordered submitted to the electors voting at such election.

Absent voter's ballots for special elections held on days other than the day on which general or primary elections are held, shall be ready for use as many days before the day of the election as reasonably possible under the laws governing the holding of such special election.

A copy of the absent voter's ballots shall be forwarded by the director of the board in each county to the secretary of state at least twenty-five days before the election.

3513.15 Rotation of names; duties of secretary of state

The names of the candidates in each group of two or more candidates seeking the same nomination or election at a primary election, except delegates and alternates to the national convention of a political party, shall be rotated and printed as provided in section 3505.03 of the Revised Code, except that no indication of membership in or affiliation with a political party shall be printed after or under the candidate's name. When the names of the first choices for president of candidates for delegate and alternate are not grouped with the names of such candidates, the names of the first choices for president shall be rotated in the same manner as the names of candidates. The specific form and size of the ballot shall be prescribed by the secretary of state in compliance with this chapter.

It shall not be necessary to have the names of candidates for member of a county central committee printed on the ballots provided for absentee voters, and the board may cause the names of such candidates to be written on said ballots in the spaces provided therefor.

The secretary of state shall prescribe the procedure for rotating the names of candidates on the ballot and the form of the ballot for the election of delegates and alternates to the national convention of a political party in accordance with section 3513.151 of the Revised Code.

3513.151 Ballots for delegates to national convention

(A) Candidates for delegate and alternate to the national convention of a political party shall be represented on the ballot, or their names shall appear on the ballot, in accordance with this section, but only in a manner that enables an X to be marked in the space provided therefor by the name of the first choice for president so that the X is counted as a vote cast for each candidate for delegate or alternate who has declared such person as his first choice for president.

(B) The names of candidates for delegate at large and alternate at large to the national convention of a political party shall not appear on the ballot. Such candidates shall be represented on the ballot by their stated first choice for president.

(C) The state central committee of each major political party shall, through its chairman, not later than seventy-five days prior to the date of the primary election, file with the secretary of state a statement that stipulates, in accordance with rules adopted by each state central committee at a meeting open to all members of the committee's party, whether or not the names of candidates for district delegate and district alternate to the national convention of his party are to be printed on the ballot. The secretary of state shall prescribe the form of the ballot for the election of district delegates and district alternates of each political party in accordance with such statement. If the state central committee of a political party fails to so provide such statement, the secretary of state shall prescribe a form of ballot on which the names of candidates for delegate and alternate to such national convention do not appear on the ballot. Only the names of the presidential first choices of such candidates for delegates and alternates shall appear on the ballot. If only the names of presidential first choices are printed, the ballot shall provide the opportunity for an X to be marked in the appropriate space provided beside such names and such a vote cast shall be counted as a vote for each candidate for delegate and alternate who has declared such person as his first choice for president.

APPENDIX B

"VOTOMATIC PAGES APPLICABLE CONTROL LISTING"
 WORKSHEETS FOR DETERMINING ROTATION OF CANDIDATES'
 NAMES ON THE DEMOCRATIC BALLOT,
 SUMMIT COUNTY, OHIO, PRIMARY ELECTION, MAY 6, 1986

750
 2-11-86
 1-1-86

| NAME | NO. | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | |
|------|---------|-------|-----|-----|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|--|
| 001 | 3 1/2 D | 1000 | 10 | 10 | | | | | | | | | | | | | | | | | | |
| 002 | 3 1/2 D | 2000 | 20 | 20 | | | | | | | | | | | | | | | | | | |
| 003 | 3 1/2 D | 3000 | 30 | 30 | | | | | | | | | | | | | | | | | | |
| 004 | 3 1/2 D | 4000 | 40 | 40 | | | | | | | | | | | | | | | | | | |
| 005 | 3 1/2 D | 5000 | 50 | 50 | | | | | | | | | | | | | | | | | | |
| 006 | 3 1/2 D | 6000 | 60 | 60 | | | | | | | | | | | | | | | | | | |
| 007 | 3 1/2 D | 7000 | 70 | 70 | | | | | | | | | | | | | | | | | | |
| 008 | 3 1/2 D | 8000 | 80 | 80 | | | | | | | | | | | | | | | | | | |
| 009 | 3 1/2 D | 9000 | 90 | 90 | | | | | | | | | | | | | | | | | | |
| 010 | 3 1/2 D | 10000 | 100 | 100 | | | | | | | | | | | | | | | | | | |
| 011 | 3 1/2 D | 11000 | 110 | 110 | | | | | | | | | | | | | | | | | | |
| 012 | 3 1/2 D | 12000 | 120 | 120 | | | | | | | | | | | | | | | | | | |
| 013 | 3 1/2 D | 13000 | 130 | 130 | | | | | | | | | | | | | | | | | | |

2-11-86
 1-1-86

| NAME | NO. | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | |
|------|---------|-------|-----|-----|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|--|
| 014 | 3 1/2 D | 14000 | 140 | 140 | | | | | | | | | | | | | | | | | | |
| 015 | 3 1/2 D | 15000 | 150 | 150 | | | | | | | | | | | | | | | | | | |
| 016 | 3 1/2 D | 16000 | 160 | 160 | | | | | | | | | | | | | | | | | | |
| 017 | 3 1/2 D | 17000 | 170 | 170 | | | | | | | | | | | | | | | | | | |
| 018 | 3 1/2 D | 18000 | 180 | 180 | | | | | | | | | | | | | | | | | | |
| 019 | 3 1/2 D | 19000 | 190 | 190 | | | | | | | | | | | | | | | | | | |
| 020 | 3 1/2 D | 20000 | 200 | 200 | | | | | | | | | | | | | | | | | | |
| 021 | 3 1/2 D | 21000 | 210 | 210 | | | | | | | | | | | | | | | | | | |
| 022 | 3 1/2 D | 22000 | 220 | 220 | | | | | | | | | | | | | | | | | | |
| 023 | 3 1/2 D | 23000 | 230 | 230 | | | | | | | | | | | | | | | | | | |
| 024 | 3 1/2 D | 24000 | 240 | 240 | | | | | | | | | | | | | | | | | | |
| 025 | 3 1/2 D | 25000 | 250 | 250 | | | | | | | | | | | | | | | | | | |
| 026 | 3 1/2 D | 26000 | 260 | 260 | | | | | | | | | | | | | | | | | | |
| 027 | 3 1/2 D | 27000 | 270 | 270 | | | | | | | | | | | | | | | | | | |
| 028 | 3 1/2 D | 28000 | 280 | 280 | | | | | | | | | | | | | | | | | | |
| 029 | 3 1/2 D | 29000 | 290 | 290 | | | | | | | | | | | | | | | | | | |
| 030 | 3 1/2 D | 30000 | 300 | 300 | | | | | | | | | | | | | | | | | | |

2-11-86
 1-1-86

| NAME | NO. | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | |
|------|---------|-------|-----|-----|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|--|
| 031 | 3 1/2 D | 31000 | 310 | 310 | | | | | | | | | | | | | | | | | | |
| 032 | 3 1/2 D | 32000 | 320 | 320 | | | | | | | | | | | | | | | | | | |
| 033 | 3 1/2 D | 33000 | 330 | 330 | | | | | | | | | | | | | | | | | | |
| 034 | 3 1/2 D | 34000 | 340 | 340 | | | | | | | | | | | | | | | | | | |
| 035 | 3 1/2 D | 35000 | 350 | 350 | | | | | | | | | | | | | | | | | | |
| 036 | 3 1/2 D | 36000 | 360 | 360 | | | | | | | | | | | | | | | | | | |
| 037 | 3 1/2 D | 37000 | 370 | 370 | | | | | | | | | | | | | | | | | | |
| 038 | 3 1/2 D | 38000 | 380 | 380 | | | | | | | | | | | | | | | | | | |
| 039 | 3 1/2 D | 39000 | 390 | 390 | | | | | | | | | | | | | | | | | | |
| 040 | 3 1/2 D | 40000 | 400 | 400 | | | | | | | | | | | | | | | | | | |
| 041 | 3 1/2 D | 41000 | 410 | 410 | | | | | | | | | | | | | | | | | | |
| 042 | 3 1/2 D | 42000 | 420 | 420 | | | | | | | | | | | | | | | | | | |
| 043 | 3 1/2 D | 43000 | 430 | 430 | | | | | | | | | | | | | | | | | | |
| 044 | 3 1/2 D | 44000 | 440 | 440 | | | | | | | | | | | | | | | | | | |
| 045 | 3 1/2 D | 45000 | 450 | 450 | | | | | | | | | | | | | | | | | | |
| 046 | 3 1/2 D | 46000 | 460 | 460 | | | | | | | | | | | | | | | | | | |
| 047 | 3 1/2 D | 47000 | 470 | 470 | | | | | | | | | | | | | | | | | | |
| 048 | 3 1/2 D | 48000 | 480 | 480 | | | | | | | | | | | | | | | | | | |
| 049 | 3 1/2 D | 49000 | 490 | 490 | | | | | | | | | | | | | | | | | | |
| 050 | 3 1/2 D | 50000 | 500 | 500 | | | | | | | | | | | | | | | | | | |

2-11-86
 1-1-86

| NAME | NO. | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | |
|------|---------|-------|-----|-----|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|--|
| 051 | 3 1/2 D | 51000 | 510 | 510 | | | | | | | | | | | | | | | | | | |
| 052 | 3 1/2 D | 52000 | 520 | 520 | | | | | | | | | | | | | | | | | | |
| 053 | 3 1/2 D | 53000 | 530 | 530 | | | | | | | | | | | | | | | | | | |
| 054 | 3 1/2 D | 54000 | 540 | 540 | | | | | | | | | | | | | | | | | | |
| 055 | 3 1/2 D | 55000 | 550 | 550 | | | | | | | | | | | | | | | | | | |
| 056 | 3 1/2 D | 56000 | 560 | 560 | | | | | | | | | | | | | | | | | | |
| 057 | 3 1/2 D | 57000 | 570 | 570 | | | | | | | | | | | | | | | | | | |
| 058 | 3 1/2 D | 58000 | 580 | 580 | | | | | | | | | | | | | | | | | | |
| 059 | 3 1/2 D | 59000 | 590 | 590 | | | | | | | | | | | | | | | | | | |
| 060 | 3 1/2 D | 60000 | 600 | 600 | | | | | | | | | | | | | | | | | | |
| 061 | 3 1/2 D | 61000 | 610 | 610 | | | | | | | | | | | | | | | | | | |
| 062 | 3 1/2 D | 62000 | 620 | 620 | | | | | | | | | | | | | | | | | | |
| 063 | 3 1/2 D | 63000 | 630 | 630 | | | | | | | | | | | | | | | | | | |
| 064 | 3 1/2 D | 64000 | 640 | 640 | | | | | | | | | | | | | | | | | | |
| 065 | 3 1/2 D | 65000 | 650 | 650 | | | | | | | | | | | | | | | | | | |
| 066 | 3 1/2 D | 66000 | 660 | 660 | | | | | | | | | | | | | | | | | | |
| 067 | 3 1/2 D | 67000 | 670 | 670 | | | | | | | | | | | | | | | | | | |
| 068 | 3 1/2 D | 68000 | 680 | 680 | | | | | | | | | | | | | | | | | | |
| 069 | 3 1/2 D | 69000 | 690 | 690 | | | | | | | | | | | | | | | | | | |
| 070 | 3 1/2 D | 70000 | 700 | 700 | | | | | | | | | | | | | | | | | | |

2-11-86
 1-1-86

| NAME | NO. | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | |
|------|---------|-------|-----|-----|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|--|
| 071 | 3 1/2 D | 71000 | 710 | 710 | | | | | | | | | | | | | | | | | | |
| 072 | 3 1/2 D | 72000 | 720 | 720 | | | | | | | | | | | | | | | | | | |
| 073 | 3 1/2 D | 73000 | 730 | 730 | | | | | | | | | | | | | | | | | | |
| 074 | 3 1/2 D | 74000 | 740 | 740 | | | | | | | | | | | | | | | | | | |
| 075 | 3 1/2 D | 75000 | 750 | 750 | | | | | | | | | | | | | | | | | | |
| 076 | 3 1/2 D | 76000 | 760 | 760 | | | | | | | | | | | | | | | | | | |
| 077 | 3 1/2 D | 77000 | 770 | 770 | | | | | | | | | | | | | | | | | | |
| 078 | 3 1/2 D | 78000 | 780 | 780 | | | | | | | | | | | | | | | | | | |
| 079 | 3 1/2 D | 79000 | 790 | 790 | | | | | | | | | | | | | | | | | | |
| 080 | 3 1/2 D | 80000 | 800 | 800 | | | | | | | | | | | | | | | | | | |
| 081 | 3 1/2 D | 81000 | 810 | 810 | | | | | | | | | | | | | | | | | | |
| 082 | 3 1/2 D | 82000 | 820 | 820 | | | | | | | | | | | | | | | | | | |
| 083 | 3 1/2 D | 83000 | 830 | 830 | | | | | | | | | | | | | | | | | | |
| 084 | 3 1/2 D | 84000 | 840 | 840 | | | | | | | | | | | | | | | | | | |
| 085 | 3 1/2 D | 85000 | 850 | 850 | | | | | | | | | | | | | | | | | | |
| 086 | 3 1/2 D | 86000 | 860 | 860 | | | | | | | | | | | | | | | | | | |
| 087 | 3 1/2 D | 87000 | 870 | 870 | | | | | | | | | | | | | | | | | | |
| 088 | 3 1/2 D | 88000 | 880 | 880 | | | | | | | | | | | | | | | | | | |
| 089 | 3 1/2 D | 89000 | 890 | 890 | | | | | | | | | | | | | | | | | | |
| 090 | 3 1/2 D | 90000 | 900 | 900 | | | | | | | | | | | | | | | | | | |

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| NO. | DATE | TIME | FROM | TO | BY | REMARKS | INITIALS | STATUS |
|-----|------|-------|------|----|----|-----------|------------|--------|
| 161 | 3-10 | 11:00 | 50 | 19 | D | 11/10/11 | D/10/11 | 5 |
| 162 | 3-10 | 11:00 | 60 | 19 | D | 3 D/10/11 | 2 D/10/11 | 5 |
| 163 | 3-10 | 11:00 | 10 | 16 | D | 1 D/10/11 | 3 D/10/11 | 10 |
| 164 | 3-10 | 11:00 | 20 | 17 | D | 11/10/11 | 4 D/10/11 | 10 |
| 165 | 3-10 | 11:00 | 30 | 18 | D | 11/10/11 | 5 D/10/11 | 5 |
| 166 | 3-10 | 11:00 | 40 | 19 | D | 2 D/10/11 | 6 D/10/11 | 10 |
| 167 | 3-10 | 11:00 | 50 | 20 | D | 3 D/10/11 | 7 D/10/11 | 5 |
| 168 | 3-10 | 11:00 | 60 | 21 | D | 11/10/11 | 8 D/10/11 | 10 |
| 169 | 3-10 | 11:00 | 10 | 1 | D | 11/10/11 | 9 D/10/11 | 5 |
| 170 | 3-10 | 11:00 | 20 | 2 | D | 11/10/11 | 10 D/10/11 | 5 |
| 171 | 3-10 | 11:00 | 30 | 3 | D | 11/10/11 | 11 D/10/11 | 5 |
| 172 | 3-10 | 11:00 | 40 | 4 | D | 11/10/11 | 12 D/10/11 | 5 |
| 173 | 3-10 | 11:00 | 50 | 5 | D | 11/10/11 | 13 D/10/11 | 5 |
| 174 | 3-10 | 11:00 | 60 | 6 | D | 11/10/11 | 14 D/10/11 | 10 |
| 175 | 3-10 | 11:00 | 10 | 17 | D | 1 D/10/11 | 5 D/10/11 | 10 |
| 176 | 3-10 | 11:00 | 20 | 18 | D | 2 D/10/11 | 6 D/10/11 | 5 |
| 177 | 3-10 | 11:00 | 30 | 19 | D | 3 D/10/11 | 7 D/10/11 | 10 |
| 178 | 3-10 | 11:00 | 40 | 20 | D | 4 D/10/11 | 8 D/10/11 | 10 |
| 179 | 3-10 | 11:00 | 50 | 21 | D | 2 D/10/11 | 9 D/10/11 | 5 |
| 180 | 3-10 | 11:00 | 60 | 22 | D | 3 D/10/11 | 10 D/10/11 | 10 |
| 181 | 3-10 | 11:00 | 10 | 13 | D | 1 D/10/11 | 11 D/10/11 | 5 |
| 182 | 3-10 | 11:00 | 20 | 14 | D | 2 D/10/11 | 12 D/10/11 | 5 |

TRANS PARE NT

15-61

| NO. | DATE | TIME | FROM | TO | BY | REMARKS | INITIALS | STATUS |
|-----|------|-------|------|----|----|-----------|------------|--------|
| 206 | 3-10 | 11:00 | 20 | 17 | D | 2 D/10/11 | 6 D/10/11 | 5 |
| 207 | 3-10 | 11:00 | 30 | 18 | D | 3 D/10/11 | 7 D/10/11 | 5 |
| 208 | 3-10 | 11:00 | 40 | 19 | D | 1 D/10/11 | 9 D/10/11 | 10 |
| 209 | 3-10 | 11:00 | 50 | 20 | D | 2 D/10/11 | 10 D/10/11 | 5 |
| 210 | 3-10 | 11:00 | 60 | 21 | D | 3 D/10/11 | 11 D/10/11 | 5 |
| 211 | 3-10 | 11:00 | 10 | 17 | D | 1 D/10/11 | 12 D/10/11 | 10 |
| 212 | 3-10 | 11:00 | 20 | 18 | D | 2 D/10/11 | 13 D/10/11 | 10 |
| 213 | 3-10 | 11:00 | 30 | 19 | D | 3 D/10/11 | 14 D/10/11 | 10 |

15-61

| NO. | DATE | TIME | FROM | TO | BY | REMARKS | INITIALS | STATUS |
|-----|------|-------|------|----|----|-----------|------------|--------|
| 172 | 3-10 | 11:00 | 40 | 4 | D | 11/10/11 | 2 D/10/11 | 5 |
| 173 | 3-10 | 11:00 | 50 | 5 | D | 11/10/11 | 3 D/10/11 | 5 |
| 174 | 3-10 | 11:00 | 60 | 6 | D | 11/10/11 | 4 D/10/11 | 10 |
| 175 | 3-10 | 11:00 | 10 | 17 | D | 1 D/10/11 | 5 D/10/11 | 10 |
| 176 | 3-10 | 11:00 | 20 | 18 | D | 2 D/10/11 | 6 D/10/11 | 5 |
| 177 | 3-10 | 11:00 | 30 | 19 | D | 3 D/10/11 | 7 D/10/11 | 10 |
| 178 | 3-10 | 11:00 | 40 | 20 | D | 4 D/10/11 | 8 D/10/11 | 10 |
| 179 | 3-10 | 11:00 | 50 | 21 | D | 2 D/10/11 | 9 D/10/11 | 5 |
| 180 | 3-10 | 11:00 | 60 | 22 | D | 3 D/10/11 | 10 D/10/11 | 10 |
| 181 | 3-10 | 11:00 | 10 | 13 | D | 1 D/10/11 | 11 D/10/11 | 5 |
| 182 | 3-10 | 11:00 | 20 | 14 | D | 2 D/10/11 | 12 D/10/11 | 5 |

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| NO. | DATE | TIME | FROM | TO | BY | REMARKS | INITIALS | STATUS |
|-----|------|-------|------|----|----|-----------|------------|--------|
| 214 | 3-10 | 11:00 | 40 | 4 | D | 1 D/10/11 | 4 D/10/11 | 5 |
| 215 | 3-10 | 11:00 | 50 | 5 | D | 2 D/10/11 | 5 D/10/11 | 15 |
| 216 | 3-10 | 11:00 | 60 | 6 | D | 2 D/10/11 | 5 D/10/11 | 15 |
| 217 | 3-10 | 11:00 | 10 | 17 | D | 1 D/10/11 | 7 D/10/11 | 5 |
| 218 | 3-10 | 11:00 | 20 | 18 | D | 11/10/11 | 8 D/10/11 | 5 |
| 219 | 3-10 | 11:00 | 30 | 19 | D | 11/10/11 | 9 D/10/11 | 10 |
| 220 | 3-10 | 11:00 | 40 | 20 | D | 11/10/11 | 10 D/10/11 | 5 |
| 221 | 3-10 | 11:00 | 50 | 21 | D | 11/10/11 | 11 D/10/11 | 5 |

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| NO. | DATE | TIME | FROM | TO | BY | REMARKS | INITIALS | STATUS |
|-----|------|-------|------|----|----|-----------|------------|--------|
| 183 | 3-10 | 11:00 | 30 | 18 | D | 3 D/10/11 | 3 D/10/11 | 10 |
| 184 | 3-10 | 11:00 | 40 | 19 | D | 1 D/10/11 | 4 D/10/11 | 10 |
| 185 | 3-10 | 11:00 | 50 | 20 | D | 2 D/10/11 | 5 D/10/11 | 10 |
| 186 | 3-10 | 11:00 | 60 | 21 | D | 3 D/10/11 | 6 D/10/11 | 5 |
| 187 | 3-10 | 11:00 | 10 | 19 | D | 1 D/10/11 | 7 D/10/11 | 10 |
| 188 | 3-10 | 11:00 | 20 | 20 | D | 2 D/10/11 | 8 D/10/11 | 10 |
| 189 | 3-10 | 11:00 | 30 | 21 | D | 3 D/10/11 | 9 D/10/11 | 5 |
| 190 | 3-10 | 11:00 | 40 | 22 | D | 1 D/10/11 | 10 D/10/11 | 10 |
| 191 | 3-10 | 11:00 | 50 | 23 | D | 2 D/10/11 | 11 D/10/11 | 5 |
| 192 | 3-10 | 11:00 | 60 | 24 | D | 3 D/10/11 | 12 D/10/11 | 5 |
| 193 | 3-10 | 11:00 | 10 | 14 | D | 1 D/10/11 | 13 D/10/11 | 10 |
| 194 | 3-10 | 11:00 | 20 | 15 | D | 2 D/10/11 | 14 D/10/11 | 10 |
| 195 | 3-10 | 11:00 | 30 | 16 | D | 3 D/10/11 | 15 D/10/11 | 5 |

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| NO. | DATE | TIME | FROM | TO | BY | REMARKS | INITIALS | STATUS |
|-----|------|-------|------|----|----|----------|------------|--------|
| 222 | 3-10 | 11:00 | 60 | 12 | D | 11/10/11 | 2 D/10/11 | 10 |
| 223 | 3-10 | 11:00 | 10 | 13 | D | 11/10/11 | 3 D/10/11 | 10 |
| 224 | 3-10 | 11:00 | 20 | 14 | D | 11/10/11 | 4 D/10/11 | 10 |
| 225 | 3-10 | 11:00 | 30 | 15 | D | 11/10/11 | 5 D/10/11 | 10 |
| 226 | 3-10 | 11:00 | 40 | 16 | D | 11/10/11 | 6 D/10/11 | 5 |
| 227 | 3-10 | 11:00 | 50 | 17 | D | 11/10/11 | 7 D/10/11 | 5 |
| 228 | 3-10 | 11:00 | 60 | 18 | D | 11/10/11 | 8 D/10/11 | 5 |
| 229 | 3-10 | 11:00 | 10 | 19 | D | 11/10/11 | 9 D/10/11 | 5 |
| 230 | 3-10 | 11:00 | 20 | 20 | D | 11/10/11 | 10 D/10/11 | 5 |
| 231 | 3-10 | 11:00 | 30 | 21 | D | 11/10/11 | 11 D/10/11 | 5 |
| 232 | 3-10 | 11:00 | 40 | 22 | D | 11/10/11 | 12 D/10/11 | 10 |
| 233 | 3-10 | 11:00 | 50 | 23 | D | 11/10/11 | 13 D/10/11 | 5 |

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| NO. | DATE | TIME | FROM | TO | BY | REMARKS | INITIALS | STATUS |
|-----|------|-------|------|----|----|-----------|------------|--------|
| 196 | 3-10 | 11:00 | 40 | 7 | D | 1 D/10/11 | 6 D/10/11 | 10 |
| 197 | 3-10 | 11:00 | 50 | 8 | D | 2 D/10/11 | 7 D/10/11 | 5 |
| 198 | 3-10 | 11:00 | 60 | 9 | D | 3 D/10/11 | 8 D/10/11 | 10 |
| 199 | 3-10 | 11:00 | 10 | 10 | D | 1 D/10/11 | 9 D/10/11 | 5 |
| 200 | 3-10 | 11:00 | 20 | 11 | D | 2 D/10/11 | 10 D/10/11 | 10 |
| 201 | 3-10 | 11:00 | 30 | 12 | D | 3 D/10/11 | 11 D/10/11 | 5 |
| 202 | 3-10 | 11:00 | 40 | 13 | D | 4 D/10/11 | 12 D/10/11 | 5 |
| 203 | 3-10 | 11:00 | 50 | 14 | D | 2 D/10/11 | 13 D/10/11 | 5 |
| 204 | 3-10 | 11:00 | 60 | 15 | D | 3 D/10/11 | 14 D/10/11 | 10 |
| 205 | 3-10 | 11:00 | 10 | 16 | D | 1 D/10/11 | 15 D/10/11 | 10 |

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| NO. | DATE | TIME | FROM | TO | BY | REMARKS | INITIALS | STATUS |
|-----|------|-------|------|----|----|----------|------------|--------|
| 234 | 3-10 | 11:00 | 60 | 3 | D | 11/10/11 | 4 D/10/11 | 10 |
| 235 | 3-10 | 11:00 | 10 | 4 | D | 11/10/11 | 5 D/10/11 | 5 |
| 236 | 3-10 | 11:00 | 20 | 5 | D | 11/10/11 | 6 D/10/11 | 5 |
| 237 | 3-10 | 11:00 | 30 | 6 | D | 11/10/11 | 7 D/10/11 | 5 |
| 238 | 3-10 | 11:00 | 40 | 7 | D | 11/10/11 | 8 D/10/11 | 5 |
| 239 | 3-10 | 11:00 | 50 | 8 | D | 11/10/11 | 9 D/10/11 | 5 |
| 240 | 3-10 | 11:00 | 60 | 9 | D | 11/10/11 | 10 D/10/11 | 10 |
| 241 | 3-10 | 11:00 | 10 | 10 | D | 11/10/11 | 11 D/10/11 | 10 |
| 242 | 3-10 | 11:00 | 20 | 11 | D | 11/10/11 | 12 D/10/11 | 10 |
| 243 | 3-10 | 11:00 | 30 | 12 | D | 11/10/11 | 13 D/10/11 | 5 |
| 244 | 3-10 | 11:00 | 40 | 13 | D | 11/10/11 | 14 D/10/11 | 5 |
| 245 | 3-10 | 11:00 | 50 | 14 | D | 11/10/11 | 15 D/10/11 | 10 |

| LINE NO. | QTY | UNIT | DESCRIPTION | PRICE | TOTAL | REMARKS |
|----------|-----|------|---------------|--------------------|-------|---------|
| 333 | 3 | 10 | 50mm 3D 18 D | 1 D 11mm 3 D 0111 | 9 | 5 |
| 334 | 3 | 10 | 50mm 4D 19 D | 2 D 11mm 4 D 0111 | 9 | 10 |
| 335 | 3 | 10 | 50mm 5D 20 D | 3 D 11mm 5 D 0111 | 9 | 10 |
| 336 | 3 | 10 | 50mm 6D 21 D | 1 D 11mm 6 D 0111 | 9 | 5 |
| 337 | 3 | 10 | 50mm 7D 22 D | 2 D 11mm 7 D 0111 | 9 | 10 |
| 338 | 3 | 10 | 50mm 8D 23 D | 3 D 11mm 8 D 0111 | 9 | 5 |
| 339 | 3 | 10 | 50mm 9D 24 D | 1 D 11mm 9 D 0111 | 9 | 5 |
| 340 | 3 | 10 | 50mm 10D 25 D | 2 D 11mm 10 D 0111 | 9 | 10 |
| 341 | 3 | 10 | 50mm 11D 26 D | 3 D 11mm 11 D 0111 | 9 | 5 |
| 342 | 3 | 10 | 50mm 12D 27 D | 4 D 11mm 12 D 0111 | 9 | 5 |
| 343 | 3 | 10 | 50mm 13D 28 D | 2 D 11mm 13 D 0111 | 9 | 5 |

| LINE NO. | QTY | UNIT | DESCRIPTION | PRICE | TOTAL | REMARKS |
|----------|-----|------|---------------|--------------------|-------|---------|
| 344 | 3 | 10 | 50mm 14D 29 D | 1 D 11mm 14 D 0111 | 9 | 5 |
| 345 | 3 | 10 | 50mm 15D 30 D | 2 D 11mm 15 D 0111 | 9 | 10 |
| 346 | 3 | 10 | 50mm 16D 31 D | 3 D 11mm 16 D 0111 | 9 | 5 |
| 347 | 3 | 10 | 50mm 17D 32 D | 1 D 11mm 17 D 0111 | 9 | 5 |
| 348 | 3 | 10 | 50mm 18D 33 D | 2 D 11mm 18 D 0111 | 9 | 10 |
| 349 | 3 | 10 | 50mm 19D 34 D | 3 D 11mm 19 D 0111 | 9 | 5 |
| 350 | 3 | 10 | 50mm 20D 35 D | 4 D 11mm 20 D 0111 | 9 | 5 |
| 351 | 3 | 10 | 50mm 21D 36 D | 2 D 11mm 21 D 0111 | 9 | 5 |
| 352 | 3 | 10 | 50mm 22D 37 D | 1 D 11mm 22 D 0111 | 9 | 5 |

| LINE NO. | QTY | UNIT | DESCRIPTION | PRICE | TOTAL | REMARKS |
|----------|-----|------|---------------|--------------------|-------|---------|
| 353 | 3 | 10 | 50mm 23D 38 D | 2 D 11mm 23 D 0111 | 9 | 5 |
| 354 | 3 | 10 | 50mm 24D 39 D | 1 D 11mm 24 D 0111 | 9 | 5 |
| 355 | 3 | 10 | 50mm 25D 40 D | 2 D 11mm 25 D 0111 | 9 | 5 |
| 356 | 3 | 10 | 50mm 26D 41 D | 3 D 11mm 26 D 0111 | 9 | 5 |
| 357 | 3 | 10 | 50mm 27D 42 D | 1 D 11mm 27 D 0111 | 9 | 5 |
| 358 | 3 | 10 | 50mm 28D 43 D | 2 D 11mm 28 D 0111 | 9 | 5 |
| 359 | 3 | 10 | 50mm 29D 44 D | 3 D 11mm 29 D 0111 | 9 | 5 |
| 360 | 3 | 10 | 50mm 30D 45 D | 4 D 11mm 30 D 0111 | 9 | 5 |
| 361 | 3 | 10 | 50mm 31D 46 D | 1 D 11mm 31 D 0111 | 9 | 5 |
| 362 | 3 | 10 | 50mm 32D 47 D | 2 D 11mm 32 D 0111 | 9 | 5 |
| 363 | 3 | 10 | 50mm 33D 48 D | 3 D 11mm 33 D 0111 | 9 | 5 |
| 364 | 3 | 10 | 50mm 34D 49 D | 4 D 11mm 34 D 0111 | 9 | 5 |
| 365 | 3 | 10 | 50mm 35D 50 D | 2 D 11mm 35 D 0111 | 9 | 5 |
| 366 | 3 | 10 | 50mm 36D 51 D | 3 D 11mm 36 D 0111 | 9 | 5 |
| 367 | 3 | 10 | 50mm 37D 52 D | 4 D 11mm 37 D 0111 | 9 | 5 |
| 368 | 3 | 10 | 50mm 38D 53 D | 1 D 11mm 38 D 0111 | 9 | 5 |
| 369 | 3 | 10 | 50mm 39D 54 D | 2 D 11mm 39 D 0111 | 9 | 5 |
| 370 | 3 | 10 | 50mm 40D 55 D | 3 D 11mm 40 D 0111 | 9 | 5 |
| 371 | 3 | 10 | 50mm 41D 56 D | 4 D 11mm 41 D 0111 | 9 | 5 |
| 372 | 3 | 10 | 50mm 42D 57 D | 1 D 11mm 42 D 0111 | 9 | 5 |
| 373 | 3 | 10 | 50mm 43D 58 D | 2 D 11mm 43 D 0111 | 9 | 5 |
| 374 | 3 | 10 | 50mm 44D 59 D | 3 D 11mm 44 D 0111 | 9 | 5 |
| 375 | 3 | 10 | 50mm 45D 60 D | 4 D 11mm 45 D 0111 | 9 | 5 |

| LINE NO. | QTY | UNIT | DESCRIPTION | PRICE | TOTAL | REMARKS |
|----------|-----|------|---------------|--------------------|-------|---------|
| 376 | 3 | 10 | 50mm 46D 61 D | 1 D 11mm 46 D 0111 | 9 | 5 |
| 377 | 3 | 10 | 50mm 47D 62 D | 2 D 11mm 47 D 0111 | 9 | 5 |
| 378 | 3 | 10 | 50mm 48D 63 D | 3 D 11mm 48 D 0111 | 9 | 5 |
| 379 | 3 | 10 | 50mm 49D 64 D | 4 D 11mm 49 D 0111 | 9 | 5 |
| 380 | 3 | 10 | 50mm 50D 65 D | 1 D 11mm 50 D 0111 | 9 | 5 |
| 381 | 3 | 10 | 50mm 51D 66 D | 2 D 11mm 51 D 0111 | 9 | 5 |
| 382 | 3 | 10 | 50mm 52D 67 D | 3 D 11mm 52 D 0111 | 9 | 5 |
| 383 | 3 | 10 | 50mm 53D 68 D | 4 D 11mm 53 D 0111 | 9 | 5 |
| 384 | 3 | 10 | 50mm 54D 69 D | 1 D 11mm 54 D 0111 | 9 | 5 |
| 385 | 3 | 10 | 50mm 55D 70 D | 2 D 11mm 55 D 0111 | 9 | 5 |
| 386 | 3 | 10 | 50mm 56D 71 D | 3 D 11mm 56 D 0111 | 9 | 5 |
| 387 | 3 | 10 | 50mm 57D 72 D | 4 D 11mm 57 D 0111 | 9 | 5 |
| 388 | 3 | 10 | 50mm 58D 73 D | 1 D 11mm 58 D 0111 | 9 | 5 |
| 389 | 3 | 10 | 50mm 59D 74 D | 2 D 11mm 59 D 0111 | 9 | 5 |
| 390 | 3 | 10 | 50mm 60D 75 D | 3 D 11mm 60 D 0111 | 9 | 5 |
| 391 | 3 | 10 | 50mm 61D 76 D | 4 D 11mm 61 D 0111 | 9 | 5 |

| LINE NO. | QTY | UNIT | DESCRIPTION | PRICE | TOTAL | REMARKS |
|----------|-----|------|----------------|--------------------|-------|---------|
| 392 | 3 | 10 | 50mm 62D 77 D | 1 D 11mm 62 D 0111 | 9 | 5 |
| 393 | 3 | 10 | 50mm 63D 78 D | 2 D 11mm 63 D 0111 | 9 | 5 |
| 394 | 3 | 10 | 50mm 64D 79 D | 3 D 11mm 64 D 0111 | 9 | 5 |
| 395 | 3 | 10 | 50mm 65D 80 D | 4 D 11mm 65 D 0111 | 9 | 5 |
| 396 | 3 | 10 | 50mm 66D 81 D | 1 D 11mm 66 D 0111 | 9 | 5 |
| 397 | 3 | 10 | 50mm 67D 82 D | 2 D 11mm 67 D 0111 | 9 | 5 |
| 398 | 3 | 10 | 50mm 68D 83 D | 3 D 11mm 68 D 0111 | 9 | 5 |
| 399 | 3 | 10 | 50mm 69D 84 D | 4 D 11mm 69 D 0111 | 9 | 5 |
| 400 | 3 | 10 | 50mm 70D 85 D | 1 D 11mm 70 D 0111 | 9 | 5 |
| 401 | 3 | 10 | 50mm 71D 86 D | 2 D 11mm 71 D 0111 | 9 | 5 |
| 402 | 3 | 10 | 50mm 72D 87 D | 3 D 11mm 72 D 0111 | 9 | 5 |
| 403 | 3 | 10 | 50mm 73D 88 D | 4 D 11mm 73 D 0111 | 9 | 5 |
| 404 | 3 | 10 | 50mm 74D 89 D | 1 D 11mm 74 D 0111 | 9 | 5 |
| 405 | 3 | 10 | 50mm 75D 90 D | 2 D 11mm 75 D 0111 | 9 | 5 |
| 406 | 3 | 10 | 50mm 76D 91 D | 3 D 11mm 76 D 0111 | 9 | 5 |
| 407 | 3 | 10 | 50mm 77D 92 D | 4 D 11mm 77 D 0111 | 9 | 5 |
| 408 | 3 | 10 | 50mm 78D 93 D | 1 D 11mm 78 D 0111 | 9 | 5 |
| 409 | 3 | 10 | 50mm 79D 94 D | 2 D 11mm 79 D 0111 | 9 | 5 |
| 410 | 3 | 10 | 50mm 80D 95 D | 3 D 11mm 80 D 0111 | 9 | 5 |
| 411 | 3 | 10 | 50mm 81D 96 D | 4 D 11mm 81 D 0111 | 9 | 5 |
| 412 | 3 | 10 | 50mm 82D 97 D | 1 D 11mm 82 D 0111 | 9 | 5 |
| 413 | 3 | 10 | 50mm 83D 98 D | 2 D 11mm 83 D 0111 | 9 | 5 |
| 414 | 3 | 10 | 50mm 84D 99 D | 3 D 11mm 84 D 0111 | 9 | 5 |
| 415 | 3 | 10 | 50mm 85D 100 D | 4 D 11mm 85 D 0111 | 9 | 5 |

| LINE NO. | QTY | UNIT | DESCRIPTION | PRICE | TOTAL | REMARKS |
|----------|-----|------|-----------------|---------------------|-------|---------|
| 416 | 3 | 10 | 50mm 86D 101 D | 1 D 11mm 86 D 0111 | 9 | 5 |
| 417 | 3 | 10 | 50mm 87D 102 D | 2 D 11mm 87 D 0111 | 9 | 5 |
| 418 | 3 | 10 | 50mm 88D 103 D | 3 D 11mm 88 D 0111 | 9 | 5 |
| 419 | 3 | 10 | 50mm 89D 104 D | 4 D 11mm 89 D 0111 | 9 | 5 |
| 420 | 3 | 10 | 50mm 90D 105 D | 1 D 11mm 90 D 0111 | 9 | 5 |
| 421 | 3 | 10 | 50mm 91D 106 D | 2 D 11mm 91 D 0111 | 9 | 5 |
| 422 | 3 | 10 | 50mm 92D 107 D | 3 D 11mm 92 D 0111 | 9 | 5 |
| 423 | 3 | 10 | 50mm 93D 108 D | 4 D 11mm 93 D 0111 | 9 | 5 |
| 424 | 3 | 10 | 50mm 94D 109 D | 1 D 11mm 94 D 0111 | 9 | 5 |
| 425 | 3 | 10 | 50mm 95D 110 D | 2 D 11mm 95 D 0111 | 9 | 5 |
| 426 | 3 | 10 | 50mm 96D 111 D | 3 D 11mm 96 D 0111 | 9 | 5 |
| 427 | 3 | 10 | 50mm 97D 112 D | 4 D 11mm 97 D 0111 | 9 | 5 |
| 428 | 3 | 10 | 50mm 98D 113 D | 1 D 11mm 98 D 0111 | 9 | 5 |
| 429 | 3 | 10 | 50mm 99D 114 D | 2 D 11mm 99 D 0111 | 9 | 5 |
| 430 | 3 | 10 | 50mm 100D 115 D | 3 D 11mm 100 D 0111 | 9 | 5 |
| 431 | 3 | 10 | 50mm 101D 116 D | 4 D 11mm 101 D 0111 | 9 | 5 |
| 432 | 3 | 10 | 50mm 102D 117 D | 1 D 11mm 102 D 0111 | 9 | 5 |
| 433 | 3 | 10 | 50mm 103D 118 D | 2 D 11mm 103 D 0111 | 9 | 5 |
| 434 | 3 | 10 | 50mm 104D 119 D | 3 D 11mm 104 D 0111 | 9 | 5 |
| 435 | 3 | 10 | 50mm 105D 120 D | 4 D 11mm 105 D 0111 | 9 | 5 |

| LINE NO. | QTY | UNIT | DESCRIPTION | PRICE | TOTAL | REMARKS |
|----------|-----|------|-----------------|---------------------|-------|---------|
| 436 | 3 | 10 | 50mm 106D 121 D | 1 D 11mm 106 D 0111 | 9 | 5 |
| 437 | 3 | 10 | 50mm 107D 122 D | 2 D 11mm 107 D 0111 | 9 | 5 |
| 438 | 3 | 10 | 50mm 108D 123 D | 3 D 11mm 108 D 0111 | 9 | 5 |
| 439 | 3 | 10 | 50mm 109D 124 D | 4 D 11mm 109 D 0111 | 9 | 5 |
| 440 | 3 | 10 | 50mm 110D 125 D | 1 D 11mm 110 D 0111 | 9 | 5 |
| 441 | 3 | 10 | 50mm 111D 126 D | 2 D 11mm 111 D 0111 | 9 | 5 |
| 442 | 3 | 10 | 50mm 112D 127 D | 3 D 11mm 112 D 0111 | 9 | 5 |
| 443 | 3 | 10 | 50mm 113D 128 D | 4 D 11mm 113 D 0111 | 9 | 5 |
| 444 | 3 | 10 | 50mm 114D 129 D | 1 D 11mm 114 D 0111 | 9 | 5 |
| 445 | 3 | 10 | 50mm 115D 130 D | 2 D 11mm 115 D 0111 | 9 | 5 |
| 446 | 3 | 10 | 50mm 116D 131 D | 3 D 11mm 116 D 0111 | 9 | 5 |
| 447 | 3 | 10 | 50mm 117D 132 D | 4 D 11mm 117 D 0111 | 9 | 5 |
| 448 | 3 | 10 | 50mm 118D 133 D | 1 D 11mm 118 D 0111 | 9 | 5 |
| 449 | 3 | 10 | 50mm 119D 134 D | 2 D 11mm 119 D 0111 | 9 | 5 |
| 450 | 3 | 10 | 50mm 120D 135 D | 3 D 11mm 120 D 0111 | 9 | 5 |
| 451 | 3 | 10 | 50mm 121D 136 D | 4 D 11mm 121 D 0111 | 9 | 5 |
| 452 | 3 | 10 | 50mm 122D 137 D | 1 D 11mm 122 D 0111 | 9 | 5 |
| 453 | 3 | 10 | 50mm 123D 138 D | 2 D 11mm 123 D 0111 | 9 | 5 |
| 454 | 3 | 10 | 50mm 124D 139 D | 3 D 11mm 124 D 0111 | 9 | 5 |
| 455 | 3 | 10 | 50mm 125D 140 D | 4 D 11mm 125 D 0111 | 9 | 5 |

| LINE NO. | QTY | UNIT | DESCRIPTION | PRICE | TOTAL | REMARKS |
|----------|-----|------|-----------------|---------------------|-------|---------|
| 456 | 3 | 10 | 50mm 126D 141 D | 1 D 11mm 126 D 0111 | 9 | 5 |
| 457 | 3 | 10 | 50mm 127D 142 D | 2 D 11mm 127 D 0111 | 9 | 5 |
| 458 | 3 | 10 | 50mm 128D 143 D | 3 D 11mm 128 D 0111 | 9 | 5 |
| 459 | 3 | 10 | 50mm 129D 144 D | 4 D 11mm 129 D 0111 | 9 | 5 |
| 460 | 3 | 10 | 50mm 130D 145 D | 1 D 11mm 130 D 0111 | 9 | 5 |
| 461 | 3 | 10 | 50mm 131D 146 D | 2 D 11mm 131 D 0111 | 9 | 5 |
| 462 | 3 | 10 | 50mm 132D 147 D | 3 D 11mm 132 D 0111 | 9 | 5 |
| 463 | 3 | 10 | 50mm 133D 148 D | 4 D 11mm 133 D 0111 | 9 | 5 |
| 464 | 3 | 10 | 50mm 134D 149 D | 1 D 11mm 134 D 0111 | 9 | 5 |
| 465 | 3 | 10 | 50mm 135D 150 D | 2 D 11mm 135 D 0111 | 9 | 5 |
| 466 | 3 | 10 | 50mm 136D 151 D | 3 D 11mm 136 D 0111 | 9 | 5 |
| 467 | 3 | 10 | 50mm 137D 152 D | 4 D 11mm 137 D 0111 | 9 | 5 |
| 468 | 3 | 10 | 50mm 138D 153 D | 1 D 11mm 138 D 0111 | 9 | 5 |
| 469 | 3 | 10 | 50mm 139D 154 D | 2 D 11mm 139 D 0111 | 9 | 5 |
| 470 | 3 | 10 | 50mm 140D 155 D | 3 D 11mm 140 D 0111 | 9 | 5 |
| 471 | 3 | 10 | 50mm 141D 156 D | 4 D 11mm 141 D 0111 | 9 | 5 |
| 472 | 3 | 10 | 50mm 142D 157 D | 1 D 11mm 142 D 0111 | 9 | 5 |
| 473 | 3 | 10 | 50mm 143D 158 D | 2 D 11mm 143 D 0111 | 9 | 5 |
| 474 | 3 | 10 | 50mm 144D 159 D | 3 D 11mm 144 D 0111 | 9 | 5 |
| 475 | 3 | 10 | 50mm 145D 160 D | 4 D 11mm 145 D 0111 | 9 | 5 |

APPENDIX C

BALLOT PAGES 1-9, ROTATION 1, DEMOCRATIC PRIMARY,
SUMMIT COUNTY, OHIO, PRIMARY ELECTION, MAY 6, 1986

OFFICIAL DEMOCRATIC PRIMARY BALLOT
PRIMARY ELECTION - MAY 6, 1986
SUMMIT COUNTY

2 (D1)

| | | | |
|---|--------------------------------|-------------------------|-----|
| For Governor and Lieutenant Governor <small>To vote for Governor and Lieutenant Governor, check the box beside the number for the set of candidates of your choice. (Vote for not more than ONE.)</small> | For Governor | For Lieutenant Governor | |
| | RICHARD F. CELESTE | and PAUL R. LEONARD | 2 → |
| For Attorney General <small>(Vote for not more than ONE.)</small> | ANTHONY J. CELEBREZZE, JR. 6 → | | |
| For Auditor of State <small>(Vote for not more than ONE.)</small> | THOMAS E. FERGUSON 8 → | | |
| For Secretary of State <small>(Vote for not more than ONE.)</small> | SHERROD BROWN 10 → | | |
| For Treasurer of State <small>(Vote for not more than ONE.)</small> | BRYAN E. ICARD 12 → | | |
| | MARY ELLEN WITHROW 14 → | | |
| For United States Senator <small>(Vote for not more than ONE.)</small> | JOHN GLENN 16 → | | |
| | DON SCOTT 18 → | | |

OFFICIAL DEMOCRATIC PRIMARY BALLOT
PRIMARY ELECTION - MAY 6, 1986
SUMMIT COUNTY

2 (D1)

| | | |
|--|------------------------|------|
| For Representative to Congress (13th District) <small>(Vote for not more than ONE.)</small> | DONALD J. PEASE | 21 → |
| | JOHN MICHAEL RYAN | 23 → |
| | ROBERT W. STEWART, JR. | 25 → |

OFFICIAL DEMOCRATIC PRIMARY BALLOT
PRIMARY ELECTION - MAY 6, 1986
SUMMIT COUNTY

2 (D1)

| | | |
|--|--------------------------|------|
| For Representative to Congress (14th District) <small>(Vote for not more than ONE.)</small> | PETER WILLIAM METROPULOS | 24 → |
| | OLIVER OCASEK | 26 → |
| | RICHARD L. OLDFIELD | 28 → |
| | KENNETH C. A. PARKER | 30 → |
| | BOB PARRISH | 32 → |
| | MARK T. RAVENSRAFT | 34 → |
| | JOHN L. RUDMAN | 36 → |
| THOMAS C. SAWYER | 38 → | |

OFFICIAL DEMOCRATIC PRIMARY BALLOT
PRIMARY ELECTION - MAY 6, 1986
SUMMIT COUNTY

2 (D1)

| | | |
|--|--------------------|------|
| For Representative to Congress (16th District) <small>(Vote for not more than ONE.)</small> | WILLIAM J. FENNICK | 21 → |
| | CULLEN W. MEYER | 23 → |

OFFICIAL DEMOCRATIC PRIMARY BALLOT
 PRIMARY ELECTION - MAY 5, 1986
 SUMMIT COUNTY

| | | |
|---|--------------------|------|
| For State Senator (27th District) <small>(Vote for not more than ONE)</small> | GHA-IS FLOYD ASKIA | 97→ |
| | GERRY CERAVOLO | 99→ |
| | WAYNE M. JONES | 101→ |

OFFICIAL DEMOCRATIC PRIMARY BALLOT
 PRIMARY ELECTION - MAY 6, 1986
 SUMMIT COUNTY

| | |
|--|--|
| For State Representative (11st District) <small>(Vote for not more than ONE)</small> | No Candidates Filed a Declaration of Candidates for this Office |
|--|--|

OFFICIAL DEMOCRATIC PRIMARY BALLOT
 PRIMARY ELECTION - MAY 6, 1986
 SUMMIT COUNTY

| | | |
|--|--------------|------|
| For State Representative (42nd District) <small>(Vote for not more than ONE)</small> | VERNON SYKES | 116→ |
|--|--------------|------|

OFFICIAL DEMOCRATIC PRIMARY BALLOT
 PRIMARY ELECTION - MAY 6, 1986
 SUMMIT COUNTY

| | | |
|--|----------------|------|
| For State Representative (43rd District) <small>(Vote for not more than ONE)</small> | VERNON F. COOK | 117→ |
|--|----------------|------|

OFFICIAL DEMOCRATIC PRIMARY BALLOT
 PRIMARY ELECTION - MAY 6, 1986
 SUMMIT COUNTY

| | |
|--|---|
| For Member of County Central Committee <small>(Vote for not more than ONE.)</small> | <small>No candidate listed in Declaration of Candidates for this office.</small> |
|--|---|

OFFICIAL DEMOCRATIC PRIMARY BALLOT
 PRIMARY ELECTION - MAY 6, 1986
 SUMMIT COUNTY

| | |
|--|-------|
| For Member of County Central Committee <small>(Vote for not more than ONE.)</small> | 154 → |
|--|-------|

OFFICIAL DEMOCRATIC PRIMARY BALLOT
 PRIMARY ELECTION - MAY 6, 1986
 SUMMIT COUNTY

| | |
|--|-------|
| For Member of County Central Committee <small>(Vote for not more than ONE.)</small> | 154 → |
| | 156 → |

OFFICIAL DEMOCRATIC PRIMARY BALLOT
 PRIMARY ELECTION - MAY 6, 1986
 SUMMIT COUNTY

| | |
|--|-------|
| For Member of County Central Committee <small>(Vote for not more than ONE.)</small> | 154 → |
| | 156 → |
| | 158 → |

Six Ballot Pages Illustrative of Lowest-Common-Denominator Rotation

Rotation 1

OFFICIAL DEMOCRATIC PRIMARY BALLOT
PRIMARY ELECTION - MAY 3, 1983
WARREN COUNTY

| | | |
|---|---------------------|------|
| For Representative in Congress 14th District | DON JONES | 30 → |
| For Chief Justice of the Supreme Court | FRANK D. CELEBREZZE | 24 → |
| | STEPHEN M. STERN | 25 → |
| For Justice of the Supreme Court | FRANCIS E. SWEENEY | 28 → |
| For Justice of the Supreme Court | HERBERT H. BROWN | 30 → |
| | JOHN A. CONNOR, II | 32 → |
| | DONALD R. FORD | 34 → |
| For Judge of the Court of Appeals 12th District | | |

Rotation 4

OFFICIAL DEMOCRATIC PRIMARY BALLOT
PRIMARY ELECTION - MAY 3, 1983
WARREN COUNTY

| | | |
|---|---------------------|------|
| For Representative in Congress 14th District | DON JONES | 20 → |
| For Chief Justice of the Supreme Court | STEPHEN M. STERN | 25 → |
| | FRANK D. CELEBREZZE | 24 → |
| For Justice of the Supreme Court | FRANCIS E. SWEENEY | 28 → |
| For Justice of the Supreme Court | HERBERT H. BROWN | 30 → |
| | JOHN A. CONNOR, II | 32 → |
| | DONALD R. FORD | 34 → |
| For Judge of the Court of Appeals 12th District | | |

Rotation 2

OFFICIAL DEMOCRATIC PRIMARY BALLOT
PRIMARY ELECTION - MAY 3, 1983
WARREN COUNTY

| | | |
|---|---------------------|------|
| For Representative in Congress 14th District | DON JONES | 20 → |
| For Chief Justice of the Supreme Court | STEPHEN M. STERN | 25 → |
| | FRANK D. CELEBREZZE | 24 → |
| For Justice of the Supreme Court | FRANCIS E. SWEENEY | 28 → |
| For Justice of the Supreme Court | JOHN A. CONNOR, II | 32 → |
| | DONALD R. FORD | 34 → |
| | HERBERT H. BROWN | 30 → |
| For Judge of the Court of Appeals 12th District | | |

Rotation 5

OFFICIAL DEMOCRATIC PRIMARY BALLOT
PRIMARY ELECTION - MAY 3, 1983
WARREN COUNTY

| | | |
|---|---------------------|------|
| For Representative in Congress 14th District | DON JONES | 20 → |
| For Chief Justice of the Supreme Court | FRANK D. CELEBREZZE | 24 → |
| | STEPHEN M. STERN | 26 → |
| For Justice of the Supreme Court | FRANCIS E. SWEENEY | 28 → |
| For Justice of the Supreme Court | JOHN A. CONNOR, II | 32 → |
| | DONALD R. FORD | 34 → |
| | HERBERT H. BROWN | 30 → |
| For Judge of the Court of Appeals 12th District | | |

Rotation 3

OFFICIAL DEMOCRATIC PRIMARY BALLOT
PRIMARY ELECTION - MAY 3, 1983
WARREN COUNTY

| | | |
|---|---------------------|------|
| For Representative in Congress 14th District | DON JONES | 20 → |
| For Chief Justice of the Supreme Court | FRANK D. CELEBREZZE | 24 → |
| | STEPHEN M. STERN | 25 → |
| For Justice of the Supreme Court | FRANCIS E. SWEENEY | 28 → |
| For Justice of the Supreme Court | DONALD R. FORD | 34 → |
| | HERBERT H. BROWN | 30 → |
| | JOHN A. CONNOR, II | 32 → |
| For Judge of the Court of Appeals 12th District | | |

Rotation 6

OFFICIAL DEMOCRATIC PRIMARY BALLOT
PRIMARY ELECTION - MAY 3, 1983
WARREN COUNTY

| | | |
|---|---------------------|------|
| For Representative in Congress 14th District | DON JONES | 20 → |
| For Chief Justice of the Supreme Court | STEPHEN M. STERN | 25 → |
| | FRANK D. CELEBREZZE | 24 → |
| For Justice of the Supreme Court | FRANCIS E. SWEENEY | 28 → |
| For Justice of the Supreme Court | DONALD R. FORD | 34 → |
| | HERBERT H. BROWN | 30 → |
| | JOHN A. CONNOR, II | 32 → |
| For Judge of the Court of Appeals 12th District | | |

APPENDIX E

SWENSON REVIEW MONOGRAPH

R E S E A R C H M O N O G R A P H

ROTATION OF CANDIDATES' NAMES ON ELECTION BALLOTS



legislative research

420 state capitol/salem, oregon 97310
phone (503) 378-8871

PREPARED BY:

Roger Swenson
Research Analyst

February 6, 1979

79:27

especially in low vis'ibility races.

In our review of the literature, each study we found on the issue concluded that ballot position has an effect on voter behavior. While there is no consensus on which ballot position is most advantageous, the research indicates that being listed first, early, or last is preferable. There is also some research suggesting that the order of ballot referenda effects voting behavior.

The remainder of this monograph summarizes research data and case law concerning the issue of ballot rotation.

Review of Research Studies

(1) Bain and Hecock. The most complete study we found on the effect of ballot position on voting behavior was Henry R. Bain and Donald S. Hecock's Ballot Position and Voter's Choice.³ It reviews the literature, analyzes several hypotheses, and offers a mathematical model for estimating the effect of non-rotation of candidates' names on the outcome of elections. Their work shows that the candidate listed first on the ballot has an advantage over others, and that with a large number of candidates, this advantage carries over to those listed second and third. The effect was found to be greatest for low-visibility offices.

(2) Byrne and Pueschel. Using data from parties' county central committee elections in California, Gary C. Byrne and J. Dristian Pueschel's "But Who Should I Vote for For County Coroner?" found that several factors influence voting decisions in elections where voters have no partisan labels or other conventional cues.⁴ In addition to place on the ballot, the authors found voting factors included sex, possession or lack of nickname, and ethnic origin of candidates' last names.

(3) Mueller. John E. Mueller's "Voting on the Propositions:

³Henry M. Bain and Donald S. Hecock, Ballot Position and Voter's Choice, Detroit: Wayne State University Press, 1957.

⁴Gary C. Byrne and J. Dristian Pueschel, "But Who Should I Vote for For County Coroner?" Journal of Follitics, Vol. 36, No. 3, August 1975, pp. 778-794.

types of British elections (Greater London Council, local government, and national).⁸ The authors found that the position of candidates' names biased voting behavior. To eliminate this bias, they suggested that ballots be prepared with every possible permutation--which, with 12 candidates in a race, would require 479 million different ballots. They added that a reasonable alternative would be to include each candidate in each position an equal number of times (much like Oregon's present system).

Review of Legal Cases

Other states. In Gould v. Grubb (1975), the California Supreme Court concluded on the basis of expert testimony that use of incumbent first or alphabetical listing of candidates gives preference to those candidates.⁹ They cited a U.S. Supreme Court decision that "all procedures used by state as an integral part of the election process must pass muster against the charges of discrimination or abridgement of the right to vote." For the contested forthcoming election, the court stated that candidates' names should be placed on the ballot in an order determined by lot. They also concluded that this rotational method was not necessarily the only constitutionally permissible ballot procedure. They also held that development of election rules and procedures was under the purview of the legislature and not the courts.

In Tsongas v. Secretary of Commonwealth (1972), the Massachusetts Supreme Court held that a full review of the case and a declaratory decree could not be made, due to a lack of time for printing ballots before the contested election.¹⁰ Evidentiary hearings were held before one justice and his findings indicated that the complex nature of voting decisions by necessity make evidence concerning the advantage of ballot position "imprecise." The majority opinion of the court held that there was no evidence

⁸G.J.G. Upton and D. Brook, "The Importance of Positional Voting Bias in British Elections," Political Studies, Vol. 22, June 1974, pp. 178-190.

⁹536 2nd Series Pacific Reporter, p. 1337.

¹⁰291 North Eastern Reporter, 2nd Series, p. 149.

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- Wolfinger, Raymond E., and Steven J. Rosenstone, "Who Votes," a paper presented at the annual meeting of the American Political Science Association, Washington, D.C., 1977, cited in Charles E. Johnson, Jr., Nonvoting Americans, U.S. Department of Commerce, Bureau of the Census, Current Population Reports Special Studies, Series P-23, No. 102 (April 1980).

* These unpublished studies are available from the Federal Election Commission Clearinghouse on Election Administration, 999 E Street, NW, Washington, DC 20463, phone 800/424-9530.



STATE OF ALASKA
OFFICE OF THE GOVERNOR
JUNEAU

February 11, 1994

The Honorable Rick Halford
President of the Senate
Alaska State Legislature
State Capitol
Juneau, AK 99801-1182

303

Dear Mr. President:

Under the authority of art. III, sec. 18, of the Alaska Constitution, I am transmitting a bill relating to voter eligibility, voter registration, and voter registration agencies. The bill implements 42 U.S.C. 1933gg and the National Voter Registration Act of 1993 (NVRA). The state must implement the NVRA by January 1, 1995. Although the NVRA sets out requirements for voter registration only for elections for federal office, it is not practical from a fiscal standpoint to maintain registration requirements and lists for elections for federal office that are different from those for state and local offices. The bill that I am transmitting today amends the registration requirements for elections for state and local offices, as well as for federal offices. The bill also makes necessary technical amendments to state voting laws.

Section 2 of the bill amends AS 15.05.020(10) to permit a voter to advise the director or elections of a change of address in writing, without having to execute an affidavit on a form provided by the director. This complies with sec. 5(d) of the NVRA, which requires states to allow a change of address form for a driver's license to serve as a change of address form for voter registration. Under AS 28.05.071, no affidavit or notarization is needed for a driver's licensee's written notification to the Department of Public Safety of a change of address.

Section 3 of the bill amends AS 15.05.030(a) to provide for cancellation of voter registration of persons convicted of felonies involving moral turpitude under federal law. The existing statute provides for cancellation of voter registration of persons convicted of those felonies under state law. The NVRA requires the United States attorney to give the state notice when a person is convicted of a felony in a United States district court. Although cancellation of voter registration of persons convicted of federal felonies is not required by the NVRA, inclusion of this provision is consistent with and advances the policies of AS 15.05.030(a).

The Honorable Rick Halford
February 11, 1994
Page 2

Section 4 of the bill amends AS 15.07.050 to permit registration in person through voter registration agencies, which are designated in sec. 5 of the bill.

Section 5 of the bill designates specific state agencies as voter registration agencies that will provide voter registration materials and assistance. Under sec. 7 of the NVRA, the state must designate public assistance agencies and other state-funded agencies that primarily provide services to persons with disabilities to serve as voter registration agencies. The Conference Report on the NVRA explains that "public assistance agencies" is intended to include state agencies "that administer or provide services under the food stamp; Medicaid; the Women, Infants and Children (WIC); and the aid to families with dependent children (AFDC) programs."

The NVRA requires the state to designate other agencies as voter registration agencies. The division of motor vehicles, which already provides voter registration assistance, is designated as a voter registration agency by sec. 5 of the bill. Also designated is the division in the Department of Community and Regional Affairs that is responsible for municipal and regional assistance programs (currently, that is the division of municipal and regional assistance). Because employees of that division visit each of Alaska's rural communities at least once during each election cycle and provide bilingual information in the villages when needed, designation of this division assures availability of registration opportunities to Alaska's Native rural residents. The bill also designates United States armed forces recruitment offices, which are required by the NVRA to provide registration assistance. The bill requires the director of elections to designate agencies that provide assistance to persons with disabilities, and allows the director of elections to designate other state, local, federal, and nongovernmental offices as voter registration agencies. Section 13 of the bill provides a definition of "voter registration agency" for AS 15.

Section 6 of the bill amends AS 15.07.064(e) by repealing a provision that allows the director to consider whether the application of a resident of a single-precinct municipality or established village was witnessed by two voters already registered in the area. This conforms that statute to sec. 9(b)(3) of the NVRA, which prohibits "any requirement for notarization or other formal authentication" of mail voter registration forms.

Section 7 of the bill amends AS 15.07.070 to provide the director of elections with specific authority to adopt regulations to implement requirements of federal law, including the NVRA. The bill also amends existing AS 15.07.070 to include voter registration agencies as agencies that must provide mail voter registration forms and in-person registration. Existing AS 15.07.070(b) is amended to remove notarization

The Honorable Rick Halford
February 11, 1994
Page 3

and formal authentication requirements from the mail registration procedure. Such requirements are prohibited by sec. 3(b)(3) of the NVRA. The bill amends existing AS 15.07.070(c) to provide that the names of persons submitting mail registration forms that are postmarked at least 50 days before an election will be placed on the official registration list for that election, as required by sec. 8(a)(1)(B) of the NVRA. Based on the experience of the division of elections that many mail registration forms arrive without legible, dated postmarks, existing AS 15.07.070(c) also is amended to provide that those registrations will be considered timely if they are both executed at least 30 days before the election and received by the director or election supervisor by mail at least 25 days before the election.

Sections 8, 9, 10, and 12 of the bill amend Alaska law to comply with the requirements of the NVRA regarding maintenance of voter registration lists. AS 15.07.130 and AS 15.15.198 are amended by secs. 10 and 12 of the bill, respectively, to ensure that the content of the notice sent to a voter complies with the NVRA and to provide that the voter's registration is only "inactivated," and the voter's name is to be maintained on the master register, if the voter fails to respond to the notice. The deadline for a voter's response to the notice is extended to 30 days before the next primary election. If the voter does not respond to the notice by the deadline, he or she may still vote a questioned or absentee ballot. The questioned ballot procedure required by AS 15.15.198 and the information required for an absentee ballot provide for the "affirmation or confirmation" of the voter's address allowed under the NVRA when a voter does not respond to a notice to confirm address. The amendments to AS 15.07.130 provide that the voter's name will be removed from the master register only if the voter does not respond to the notice and does not vote during the period beginning on the date of the notice and ending on the day after the second general election for federal office that occurs after the date of the notice. The bill retains AS 15.07.130(c)'s existing provision that the registration of deceased voters is to be cancelled. Section 8 of the bill amends AS 15.07.090(b) to remove reference to cancellation of voter registration for failure to vote. Because inactive voter registrations will now appear on the master register, sec. 9 of the bill amends AS 15.07.125 to accurately describe which voter names are to be included on the official registration list, from which the precinct registers are prepared.

Section 11 of the bill designates the director of elections as the state official responsible for coordination of state responsibilities under the NVRA, as required by sec. 10 of the NVRA.

Section 14 of the bill amends AS 28.05.045 to provide for simultaneous application for voter registration and licenses, identifications, and registrations issued by the Department of Public Safety, division of motor vehicles.

The Honorable Rick Halford

February 11, 1994.

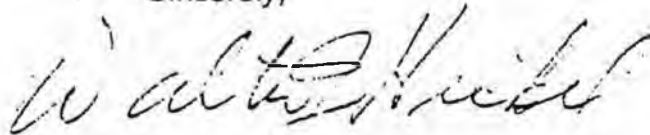
Page 4 . . .

Sections 15 and 16 of the bill make conforming amendments to the statutes setting out duties for the Department of Health and Social Services and the Department of Community and Regional Affairs, to acknowledge the new voter registration agency responsibilities assigned by proposed AS 15.07.055 and the NVRA.

Sections 17 and 18 of the bill would allow the director of elections to proceed to adopt needed regulations, which would take effect at the same time that secs. 1 - 16 of the bill take effect.

I urge the legislature's expeditious consideration and passage of this important bill to conform Alaska's voter registration laws with federal law.

Sincerely,

A handwritten signature in cursive script, appearing to read "Walter J. Hickel".

Walter J. Hickel
Governor

SENATE COMMITTEE REPORT

DATE: 3/2/94

FURTHER: Finance

DATE TURNED INTO OFFICE: 3-2-94

Judiciary Committee considered SENATE BILL NO. 303

"An Act relating to voter eligibility, voter registration, and voter registration agencies; and providing for an effective date."

and recommends:

- replace with _____ CS _____ ()
- or adopt previous _____ CS _____ ()
- attaches amendment(s)

- same title
- new title
- technical title change (HB only)

adopts _____ Letter of Intent

further referral to the _____

do pass

do not pass

no recommendation

individual recommendations

NEW FISCAL NOTES

| Department | Date | Zero | Fiscal |
|------------|------|------|--------|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

PREVIOUS FISCAL NOTES

| Department | Date | Zero | Fiscal |
|------------|------|------|--------|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

Appropriation No Fiscal Note

DO PASS

OTHER RECOMMENDATIONS:

Chair: Signature and Recommendation

SENATE COMMITTEE REPORT
FIRST COMMITTEE OF REFERRAL

DATE: 2/11/94

FURTHER: Judiciary
Finance

Date of 5-Day Notice: 2-17-94
(in accordance with Uniform Rule 23)

DATE TURNED INTO OFFICE: 3-2-94

State Affairs Committee considered SE: 303

"An Act relating to voter eligibility, voter registration, and voter registration agencies; and providing for an effective date."

& reports about w/for rec

and recommends:

replace with _____ CS _____ ()

attaches amendment(s)

adopts _____ Letter of Intent

further referral to the _____

do pass

do not pass

no recommendation

individual recommendations

same title
 new title
 technical title change
(HB only)

*3¢
U/M*

FISCAL NOTE INFORMATION

Previous

| Department | Date | Zero | Fiscal |
|---|---------|------|--------|
| C 3 RA | 1-31-94 | — | 10.0 |
| HBSS - PA | 2-1-94 | — | 10.4 |
| HBSS - WI&C | 2-2-94 | — | 4.4 |
| HBSS - I&A | 2-2-94 | — | 10.7 |
| DIV. of Election | 1-3-94 | — | 23.0 |
| DOR | 2-2-94 | — | 90.9 |
| DOE | 2-9-94 | 0 | 0 |
| <input type="checkbox"/> Appropriation No Fiscal Note | | | |
| DOR | | | |

| Department | Date | Zero | Fiscal |
|-------------------|---------|------|--------|
| <i>new</i> DOR | 2/15/94 | 0 | |
| | | | |
| | | | |
| | | | |
| | | | |

Governor's Bill with Previous Fiscal Notes (enter information above)

DO PASS:

OTHER RECOMMENDATIONS:

Mike Miller No Rec
Adriana Taylor No Rec
John Duncan No Rec

Loren A. Leman No Rec

Chair: Signature and Recommendation

SB

304

SFIN

FILE

SENATE FINANCE COMMITTEE REPORT

DATE: 5/4/94

FURTHER: _____

DATE TURNED INTO OFFICE: _____

The Finance Committee considered **SENATE BILL NO. 304**

Issuance of bonds by the Alaska Housing Finance Corporation to pay for the costs of repair and rehabilitation; SB 304 AHFC BONDS FOR UNIVERSITY OF ALASKA USES since Finance Corporation, amending the definition of public building, relating to the Alaska debt retirement fund; efd.

Died in SFC 1994
See HB 466

and recommends:

- replace with CS _____ (FINANCE)
- or adopt previous CS _____
- attaches amendment(s)

- same title
- new title
- technical title change (HB only)

adopts _____ Letter of Intent

further referral to the _____

do pass

do not pass

no recommendation

individual recommendations

NEW FISCAL NOTES

| Department | Date | Zero | Fiscal |
|------------|------|------|--------|
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PREVIOUS FISCAL NOTES

| Department | Date | Zero | Fiscal |
|------------|------|------|--------|
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Appropriation No Fiscal Note

DO PASS.

OTHER RECOMMENDATIONS:

1. _____
Co-Chair: Signature/Recommendation

2. _____
Co-Chair: Signature/Recommendation

SENATE COMMITTEE REPORT

DATE: 2/26/94

FURTHER: Finance

DATE TURNED INTO OFFICE: _____

State Affairs Committee considered SENATE BILL NO. 304

Issuance of bonds by the Alaska Housing Finance Corporation to pay for the costs of repair and rehabilitation of student housing facilities of the University of Alaska; relating to the Alaska debt retirement fund; efd.

and recommends: and recommends it be replaced with

[X] replace with _____ CS SB 304 (STA)
or [] adopt previous _____ CS _____ ()
[] attaches amendment(s)

[] same title
[] new title
[] technical title change (HB only)

and report it back as follows

[] adopts _____ Letter of Intent

[] further referral to the _____

[] do pass

[] do not pass

[] no recommendation

[X] individual recommendations

NEW FISCAL NOTES

Table with 4 columns: Department, Date, Zero, Fiscal. Contains empty rows for recording new fiscal notes.

PREVIOUS FISCAL NOTES

Table with 4 columns: Department, Date, Zero, Fiscal. Contains handwritten entries: GOV 2-11-94, DOR 2-11-94, both with checkmarks in the Zero column.

[] Appropriation No Fiscal Note

DO PASS:

OTHER RECOMMENDATIONS:

Handwritten signatures and recommendations:
1) [Signature]
2) Mike Miller
1) [Signature] NO Rec
1) Loren J. Leman No rec
Chair: Signature and Recommendation

SENATE COMMITTEE REPORT
FIRST COMMITTEE OF REFERRAL

John

DATE: 2/11/94

FURTHER: State Affairs
Finance

Date of 5-Day Notice: 4/24/94
(in accordance with Uniform Rule 23)

DATE TURNED INTO OFFICE: 4/20/94

HES Committee considered SB 304

Issuance and authorizing bonds by the Alaska Housing Finance Corporation to pay for the costs of repair and rehabilitation of student housing facilities of the University of Alaska; amending powers of the Alaska Housing Finance Corporation; amending the definition of "public building"; relating to Alaska debt retirement fund; efd. and recommends it and recommends:

replace with _____ CS SB 304 (HES)

- same title
- new title
- technical title change (HB only)

attaches amendment(s) and report it back as follows

adopts _____ Letter of Intent

further referral to the _____

- do pass
- do not pass
- no recommendation
- individual recommendations

OTWS

FISCAL NOTE INFORMATION

| Department | Date | Zero | Fiscal |
|--------------------------|----------------|-------------------------------------|--------|
| <i>Dept of Revenue</i> | <i>2/11/94</i> | <input checked="" type="checkbox"/> | |
| <i>Alca of Mortgages</i> | <i>2/11/94</i> | <input checked="" type="checkbox"/> | |
| | | | |
| | | | |
| | | | |

| Department | Date | Zero | Fiscal |
|------------|------|------|--------|
| | | | |
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| | | | |
| | | | |

Appropriation No Fiscal Note

Governor's Bill with Previous Fiscal Notes (enter information above)

DO PASS:

OTHER RECOMMENDATIONS:

Mike Miller *Muller*
Duncan *Duncan*
Jay Ellis *Ellis*
Barry Shap *Shap*

Joseph E. Salo (No Rec)
Ronan J. Lerman Note
~~_____~~

Alison King → No Recommendation
Chair: Signature and Recommendation

ALASKA STATE LEGISLATURE
SENATE BILL NO. 304

HISTORY IN THE SENATE

1994
2/11 Read first time and referred to:
HES, STA, FIN

4/27 hwy RPT() C 4 DP 3 NR ___ DNP ___ AM
New Title ___ Same Title ___ Previous FN ___
FN 2 OFN ___ To S 120

5/4 STA RPT() C 5 DP 2 NR ___ DNP ___ AM
New Title ___ Same Title ___ Previous FN ___
FN 2 OFN ___ To 2

___ RPT(___) CS ___ DP ___ NR ___ DNP ___ AM
New Title ___ Same Title ___ Previous FN ___
FN ___ OFN ___ To ___

___ Rules Calendar(___) CS ___ AM ___ Other ___
New Title ___ Same Title ___ Previous FN ___
FN ___ OFN ___

Read second time
___ CS Adopted (___) ___ New Title ___
___ Amended ___ Advanced ___

Read third time

___ Letter of Intent adopted
___ Return to second for specific amendment

PASSED EFD Same ___ or
Yeas Yeas
Nays Nays
Excused Excused
Absent Absent

Reconsideration
Reconsideration not taken up

PASSED EFD Same ___ or
Yeas Yeas
Nays Nays
Excused Excused
Absent Absent

Reported correctly engrossed
Signed by President, to House

Secretary of the Senate

HISTORY IN THE HOUSE

19
Read first time and referred to:

___ RPT CS(___) ___ New Title ___
___ DP ___ DNP ___ NR ___ AM ___
___ FN ___ OFN ___ Previous FN ___

___ RPT CS(___) ___ New Title ___
___ DP ___ DNP ___ NR ___ AM ___
___ FN ___ OFN ___ Previous FN ___

___ RPT CS(___) ___ New Title ___
___ DP ___ DNP ___ NR ___ AM ___
___ FN ___ OFN ___ Previous FN ___

Read second time
CS(___) Adopted

Amended

Advanced

Read third time

Return to second for specific amendment

PASSED EFD Same ___ or
Yeas Yeas
Nays Nays
Excused Excused
Absent Absent

___ Intent adopted

Reconsideration
Reconsideration not taken up

PASSED ON RECON. EFD Same ___ or
Yeas Yeas
Nays Nays
Excused Excused
Absent Absent

___ Intent adopted

Reported co. rectly engrossed, signed by the Speaker
and returned to the Senate

Chief Clerk of the House

SENATE-HOUSE HISTORY Continued

| | |
|-----------|--|
| 19 | <p>Received from the House Version: _____</p> <p>Concur in House amendment Y ___ N ___ E ___ A ___ _____ Efd same or Y ___ N ___ E ___ A ___</p> <p>Failed to concur in House amendment, ask House recede Y ___ N ___ E ___ A ___</p> <p>House failed to / receded from amendment Y ___ N ___ E ___ A ___</p> <p>CC appointed by Senate _____ Chair _____</p> <p>CC appointed by House _____ Chair _____</p> <p>(S) Granted Limited Powers of Free Conference</p> <p>(H) Granted Limited Powers of Free Conference</p> |
|-----------|--|

| | |
|-----------|---|
| 19 | <p>(S) Adopted CC Rpt _____ Y ___ N ___ E ___ A ___ _____ Efd same or Y ___ N ___ E ___ A ___</p> <p>(H) Adopted CC Rpt _____ Y ___ N ___ E ___ A ___ _____ Efd same or Y ___ N ___ E ___ A ___</p> <p>To enrolling Received from enrolling Sent to Governor</p> <p>_____ By Governor</p> <p>Chapter Number _____</p> <p>Filed with Lieutenant Governor</p> |
|-----------|---|

STATE OF ALASKA
1994 LEGISLATIVE SESSION

No. 1
Bill Version: SB 304
(S) Publish Date: 2-11-94

Revision Date: _____
Title: "An Act authorizing issuance of bonds..."
Sponsor: House Rules Committee
Requestor: Governor

Department Affected: Office of the Governor
BRU: Elective Operations
Component: General & Primary

COMPONENT SERIAL NO. 0022

EXPENDITURES/REVENUES: (Thousands of Dollars)

| OPERATING | FY 95 | FY 96 | FY 97 | FY 98 | FY 99 | FY 00 |
|-------------------|-------|-------|-------|-------|-------|-------|
| PERSONAL SERVICES | 0 | 0 | 0 | 0 | 0 | 0 |
| TRAVEL | 0 | 0 | 0 | 0 | 0 | 0 |
| CONTRACTUAL | 0 | 0 | 0 | 0 | 0 | 0 |
| SUPPLIES | 0 | 0 | 0 | 0 | 0 | 0 |
| EQUIPMENT | 0 | 0 | 0 | 0 | 0 | 0 |
| LAND & STRUCTURES | | | | | | |
| GRANTS, CLAIMS | | | | | | |
| MISCELLANEOUS | | | | | | |
| TOTAL OPERATING | 0 | 0 | 0 | 0 | 0 | 0 |

| | | | | | | |
|----------------------|--|--|--|--|--|--|
| CAPITAL EXPENDITURES | | | | | | |
|----------------------|--|--|--|--|--|--|

| | | | | | | |
|------------------------|--|--|--|--|--|--|
| CHANGE IN REVENUES () | | | | | | |
|------------------------|--|--|--|--|--|--|

| FUND SOURCE | FY 95 | FY 96 | FY 97 | FY 98 | FY 99 | FY 00 |
|--------------------------|-------|-------|-------|-------|-------|-------|
| 1002 Federal Receipts | | | | | | |
| 1003 GF Match | | | | | | |
| 1004 GF | | | | | | |
| 1005 GF/Program Receipts | | | | | | |
| 1006 GF/MHTIA | | | | | | |
| OTHER | | | | | | |
| TOTAL | 0 | 0 | 0 | 0 | 0 | 0 |

POSITIONS

| | | |
|-----------|--|--|
| FULL-TIME | Changes in <u>CSSB 304 (STA)</u> have no fiscal impact. This fiscal note is appropriate. <u>5-2-94</u> <u>[Signature]</u> Comte Aide (initial) | |
| PART-TIME | | Changes in <u>CS 56 304 (HES)</u> have no fiscal impact. This fiscal note is appropriate. <u>4/26/94</u> <u>[Signature]</u> Comte Aide (initial) |
| TEMPORARY | | |

Estimate of any current year (FY94) cost: 0

ANALYSIS: (Attach a separate page if necessary.)
Should bond sale require approval of the voters, the fiscal impact will be 2.2 or 53.4 if additional ballot required.

Prepared by: Joe Swanson, Director
Division: Division of Elections

Phone: 465-4611
Date: 2/10/94

Approved by Commissioner: Lt. Governor John B. Campbell
Agency: Office of the Lt. Governor

Date: 2/10/94

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FISCAL NOTE

No. 2

Bill Version: SB 304

(S) Publish Date: 2-11-94

STATE OF ALASKA 1994 LEGISLATIVE SESSION

Revision Date: February 11, 1994

Dept. Affected: Department of Revenue

Title: An Act authorizing the issuance of bonds by AHFC to pay for
the costs of repair and rehabilitation of student housing facilities of U of A

BRU: Alaska Housing Finance Corp

Component: Operations

Sponsor:

Requestor:

COMPONENT SERIAL NO. 0110

Expenditures/Revenues:

(Thousands of Dollars)

| OPERATING | FY85 | FY86 | FY87 | FY88 | FY89 | FY90 |
|------------------------|----------|----------|----------|----------|----------|----------|
| PERSONAL SERVICES | 0 | 0 | 0 | 0 | 0 | 0 |
| TRAVEL | 0 | 0 | 0 | 0 | 0 | 0 |
| CONTRACTUAL | 0 | 0 | 0 | 0 | 0 | 0 |
| SUPPLIES | 0 | 0 | 0 | 0 | 0 | 0 |
| EQUIPMENT | 0 | 0 | 0 | 0 | 0 | 0 |
| LAND & STRUCTURES | 0 | 0 | 0 | 0 | 0 | 0 |
| GRANTS, CLAIMS | 0 | 0 | 0 | 0 | 0 | 0 |
| MISCELLANEOUS | 0 | 0 | 0 | 0 | 0 | 0 |
| TOTAL OPERATING | 0 | 0 | 0 | 0 | 0 | 0 |

| | | | | | | |
|----------------|----------|----------|----------|----------|----------|----------|
| CAPITAL | 0 | 0 | 0 | 0 | 0 | 0 |
|----------------|----------|----------|----------|----------|----------|----------|

| | | | | | | |
|-----------------------------|----------|----------|----------|----------|----------|----------|
| REVENUE FUND SOURCE: | 0 | 0 | 0 | 0 | 0 | 0 |
|-----------------------------|----------|----------|----------|----------|----------|----------|

FUNDING:

(Thousands of Dollars)

| | | | | | | |
|---------------------------|----------|----------|----------|----------|----------|----------|
| 1002 Federal Receipts | 0 | 0 | 0 | 0 | 0 | 0 |
| 1003 GF Match | 0 | 0 | 0 | 0 | 0 | 0 |
| 1004 GF | 0 | 0 | 0 | 0 | 0 | 0 |
| 1005 GF/Program Receipts | 0 | 0 | 0 | 0 | 0 | 0 |
| 1006 GF/MHTIA | 0 | 0 | 0 | 0 | 0 | 0 |
| 1022 Corporation Receipts | 0 | 0 | 0 | 0 | 0 | 0 |
| TOTAL | 0 | 0 | 0 | 0 | 0 | 0 |

POSITIONS:

| | | | | | | |
|-----------|---|---|---|---|---|---|
| FULL-TIME | 0 | 0 | 0 | 0 | 0 | 0 |
| PART-TIME | 0 | 0 | 0 | 0 | 0 | 0 |
| TEMPORARY | 0 | 0 | 0 | 0 | 0 | 0 |

Estimate of current year (FY94) impact: \$ 0

ANALYSIS: (Attach a separate page if necessary.)

Alaska Housing Finance Corporation does not anticipate any increased cost with the proposed amendments to AS 18.55.100, AS 18.55.288 and AS 37.15.011. The fiscal note indicates no incremental costs to the AHFC. There are expected to be expenses, costs and reserve funds associated with the issuance of the bonds and servicing of debt. Reserve funds, while not a cost or expense, will reduce the loan amount available to the University of Alaska. The costs and expenses associated with the financing will be taken into consideration in determining the payment obligations of the University of Alaska.

Prepared by:

Judith DeSpain

Phone: (907) 561-1900

Division:

Alaska Housing Finance Corporation

Date: February 11, 1994

Approved by:

[Signature]

Date: 2/11/94

Agency:

REVENUE

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date Comte Aide (initial)

Changes in CS SB 304 (STA)
have no fiscal impact. This
fiscal note is appropriate.

5-2-94 [Signature]

Changes in CS SB 304 (HES)
have no fiscal impact. This
fiscal note is appropriate.

4/26/94 [Signature]
date Comte Aide (initial)

FISCAL NOTE

**STATE OF ALASKA
1994 LEGISLATIVE SESSION**

BILL NO. CSSB304(SA)

Revision Date: _____ Department Affected: **University of Alaska**
 Title: Authorizing issuance of bonds by Ak. Housing BRU:
 Finance and UA for deferred maintenance Component: all
 Sponsor: Governor
 Requestor: (S)Fin **COMPONENT SERIAL NO.**

EXPENDITURES/REVENUES: (Thousands of Dollars)

| OPERATING | FY95 | FY96 | FY97 | FY98 | FY99 | FY00 |
|------------------------|------------|------------|------------|------------|------------|------------|
| PERSONAL SERVICES | | | | | | |
| TRAVEL | | | | | | |
| CONTRACTUAL | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SUPPLIES | | | | | | |
| EQUIPMENT | | | | | | |
| LAND & STRUCTURES | | | | | | |
| GRANTS, CLAIMS | | | | | | |
| MISCELLANEOUS | | | | | | |
| TOTAL OPERATING | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| | | | | | | |
|----------------|--|--|--|--|--|--|
| CAPITAL | | | | | | |
|----------------|--|--|--|--|--|--|

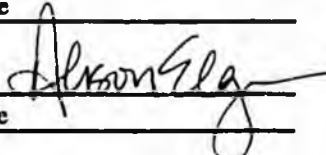
| | | | | | | |
|--------------------------|--|--|--|--|--|--|
| REVENUE FD SOURCE | | | | | | |
|--------------------------|--|--|--|--|--|--|

| FUNDING: (Thousands of Dollars) | FY95 | FY96 | FY97 | FY98 | FY99 | FY00 |
|---------------------------------|------------|------------|------------|------------|------------|------------|
| 1002 FEDERAL FUNDS | | | | | | |
| 1003 GF MATCH | | | | | | |
| 1004 GENERAL FUND | | | | | | |
| 1006 GF/MHTIA | | | | | | |
| OTHER | | | | | | |
| TOTAL FUNDING | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| POSITIONS: | FY95 | FY96 | FY97 | FY98 | FY99 | FY00 |
|------------|------|------|------|------|------|------|
| FULL-TIME | | | | | | |
| PART-TIME | | | | | | |
| TEMPORARY | | | | | | |

Estimate of current year impact: None

ANALYSIS: (Attach a separate page if necessary.)
 The correction of deferred maintenance problems existing with University facilities is anticipated to reduce operations and maintenance costs of the facilities. The University is currently significantly underfunded for facility maintenance needs. Any realized savings will be reinvested in the maintenance of all University facilities to reduce deferred maintenance annual. (See attached)

Prepared by: Wendy Matheny, Budget Analyst Phone: 463-3086
 Division: Statewide Budget Office Date: _____
 Approved by: Alison Elgee, Director  Date: 5/3/94
 Agency: Statewide Budget Office

Distribution (by preparer): Legislative Finance, Legislative Sponsor, Requestor, OMB, & Impacted Agency(ies).

Analysis of Debt Retirement Needs

| | \$45 million Facilities Repair & Rehabilitation | \$30 million Student Housing Repair & Rehabilitation |
|--|--|---|
| Construction | \$40,376,100 | \$26,917,400 |
| Issuance Expenses | \$900,000 | \$600,000 |
| Financed Acquisition Cost | \$41,276,100 | \$27,517,400 |
| Required Debt Reserve (1 year payment) | \$3,723,900 | \$2,482,600 |
| Total Project Cost | \$45,000,000 | \$30,000,000 |
| | | |
| Term (years) | 20 | |
| Payments per year | 4 | |
| Interest rate | 5.50% | |
| First payment due 1 year after issue | | |
| | | |
| Anticipated Annual Amount of Rental Obligation | \$3,723,900 | \$2,482,600 |
| Total Lease Payments for 20 year term | \$74,478,084 | \$49,652,058 |

*Bonds represent a three year construction program. Debt retirement for the second and third years of the program would be required for only those bonds issued and sold. Annual cost of debt service once all bonds have been sold will be \$6,206.5 utilizing a 5.5% interest rate assumption.

Impact of new student housing on debt service requirements:

Assuming the same assumptions as above:

The addition of \$36 million in bonds for student housing contained in the State Affairs Committee version of SB304 will add an additional \$3,000.0 annually to the debt service requirements once all bonds are issued and sold.

Title change: approving a lease-purchase arrangement for the Department of Natural Resources

Sec. ___(a) The Department of Natural Resources is authorized to enter into an arrangement for lease-purchase of a facility that will consolidate all Division of Forestry, Fire Suppression facilities in the South Central fire area in an aggregate principal amount not to exceed \$4,823,000.

(b) regarding the project described in (a) of this section, notice is given that

- (1) the anticipated annual payment amount is.....\$447,000
- (2) the anticipated financing (total lease payments for the full-term lease) is.....\$8,940,000
- (3) the total construction, acquisition or other costs of the project are.....\$4,823,000

(c) Subsection (a) of this section grants the legislative approval of the project as required under AS 36.30.080 (c).

SENATE FINANCE
COMMITTEE ①
Amendment Number: _____
Bill Number: SR 304
Sponsor: LETTULA Date: 5/5/94
Logged In By: [Signature]

DEPARTMENT OF NATURAL RESOURCES

OFFICE OF THE COMMISSIONER

400 WILLOUGHBY AVENUE
JUNEAU, ALASKA 99801-1796
PHONE: (907) 465-2400
FAX: (907) 465-3886

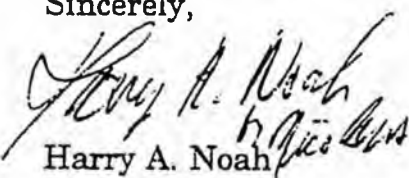
April 29, 1994

The Honorable Jay Kerttula
Member, Finance Committee
Alaska Senate
Mail Stop 3100

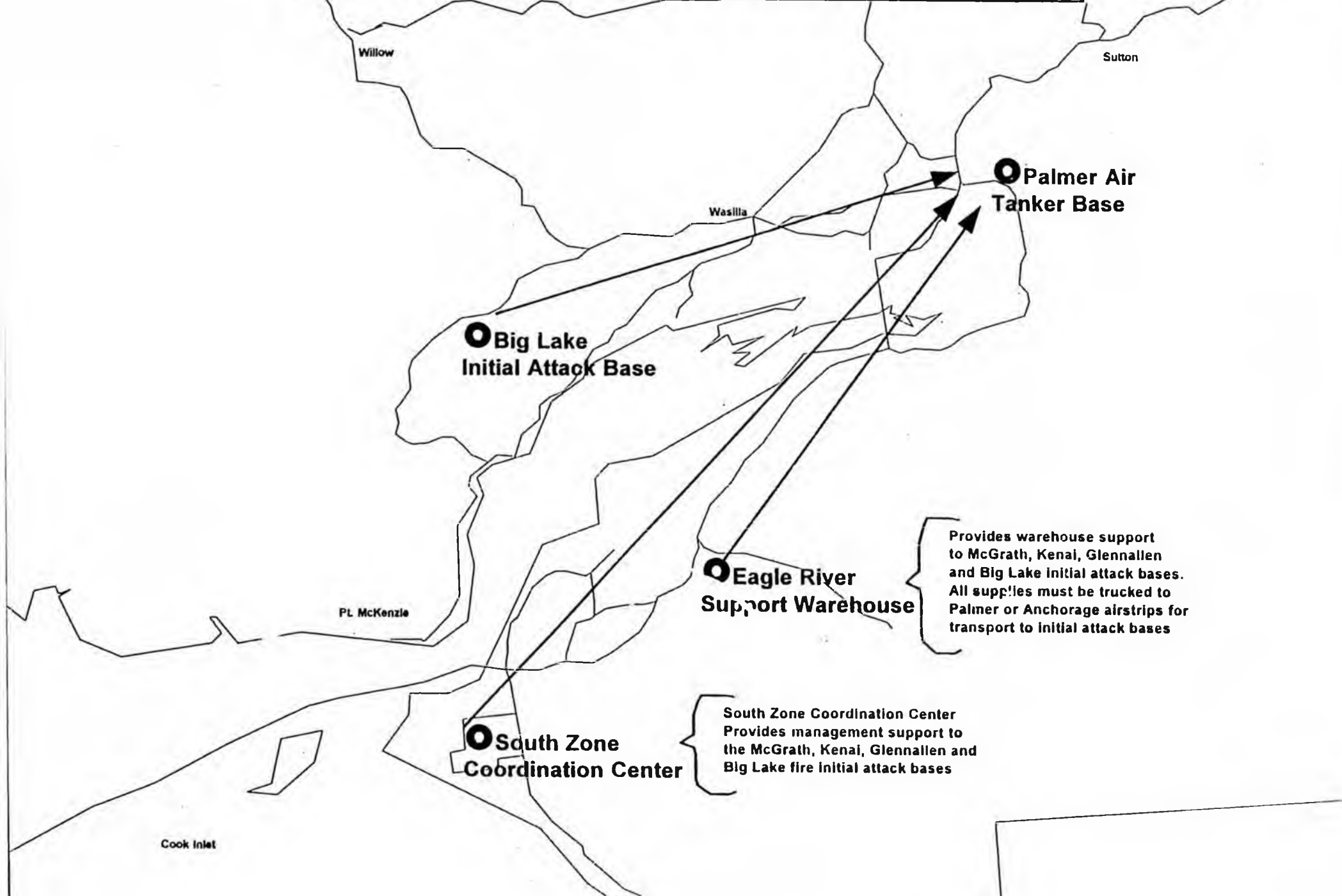
Dear Senator Kerttula:

I would like your consideration of allowing the Department of Natural Resources to enter into a lease-purchase of real estate. DNR has looked at the feasibility and cost-effectiveness of entering into a lease-purchase of a facility to be constructed at the Palmer Airport to consolidate a number of Division of Forestry operations. The planned facility has been found to be both feasible and cost-effective. The City of Palmer has agreed to be the issuer and lessor in the lease obligation. The state would own the facility at the end of the lease term. At the same time the net present value savings over the existing operations is estimated to be \$2.8 million. Thank you for your attention to this matter. An analysis of the proposal is attached.

Sincerely,


Harry A. Noah
Commissioner

South Central Facility Consolidation



Big Lake Initial Attack Base

Palmer Air Tanker Base

Eagle River Support Warehouse

Provides warehouse support to McGrath, Kenai, Glennallen and Big Lake initial attack bases. All supplies must be trucked to Palmer or Anchorage airstrips for transport to initial attack bases

South Zone Coordination Center

South Zone Coordination Center Provides management support to the McGrath, Kenai, Glennallen and Big Lake fire initial attack bases

Cook Inlet

Pt. McKenzie

Wasilla

Willow

Sutton

FACILITY AT PALMER AIRPORT

WHY IS PROJECT NEEDED: (Current Situation)

Forestry maintains offices and facilities in Anchorage, Eagle River, Palmer and Big Lake to provide wildland fire protection services. Response from these facilities are primarily to human caused fires in the populated urban interface areas of southcentral Alaska. Coordination between all offices and functions is exacerbated by multiple locations. Additional costs are incurred with the need to transport equipment and supplies to and from the Eagle River fire warehouse facility and an airport. Unforeseen weather pattern changes can alter needs and cause cancellation of equipment and supply orders. Logistical coordination of transport aircraft and equipment movements is burdensome and can lead to costly mistakes. Operational use of retardant aircraft is complex because of the current involvement of three offices. Helitack operations from Big Lake require duplication of fueling systems and landing facilities. The Big Lake facility is not as accessible to the general public as desired.

Consolidation will generate direct annual savings to the State, provide for operational efficiencies, and the State will own the building at the conclusion of a lease finance.

Office and facility purpose are summarized as follows:

Anchorage (Frontier Building)

This office provides regional program direction, policy administration, management of support facilities, and contract administration. This is the coordination point between the geographic areas of the Mat-Su Valley, Kenai Peninsula-Kodiak Island, Copper River Basin and Southwestern Alaska for the allocation of fire suppression resources. Current office space costs \$3.29 per square foot. Lease arrangements for this space will expire in December, 1994.

Eagle River

A fire warehouse and shop facility is maintained to support field operations. Additional equipment and supplies are routinely transported as air cargo when fire activity exceeds the limited capabilities of field office warehouses. An average of 500,000 pounds of cargo is moved from the facility each year. Because the facility is not located adjacent to a major airport, tools, supplies, food and equipment must be transported by vehicle to and from an airport. Anchorage International Airport is 18 miles from the facility. The Palmer airport is 30 miles distant and is often used as the departure point because the contract retardant aircraft can be configured to haul cargo when not needed for fire response at

a cheaper rate. Security has historically been a problem due to the location being isolated from a populated area. Current inventory value of the equipment and supplies housed at the facility is \$1.5 million.

Palmer

An office and aerial retardant operation is located at the Palmer Municipal Airfield. The site provides the division with the capability to provide retardant aircraft support to fires within the greater Anchorage area, the Mat-Su valley and the Kenai Peninsula in a reasonable time frame. Annually, 50,000 gallons of retardant are delivered from the site. Provisions are also made for stationing and deployment of smoke jumpers during periods when the potential of fires warrants faster response time than from the central smokejumper base in Fairbanks. Ramp space is also made available to park rental and contract aircraft.

Big Lake

Initial attack forces (fire engines and helitack) are managed by the division's field office located near Big Lake. Response to an annual average of 104 fires is provided from the facility. This requires a dispatch office with capability to operate 7 days per week (often 24 hours per day), helicopter landing site with fueling capability, and support facilities for fire engine operations. 1,000 burning permits are issued each year to residents throughout the Mat-Su Valley. The facility is 10 miles west of the Parks highway and 20 miles northwest of Wasilla, Alaska.

GOAL: (Proposal)

Consolidation of the Anchorage office, the Big Lake Initial Attack program and the Eagle River warehouse function at Palmer Municipal Airport. Substantial fiscal and operational efficiencies will result from consolidation.

It is the intent of this proposal to capitalize on current low interest rates while obtaining an adequate facility as a net gain. The facility would be owned by the state at the end of the lease term.

PROJECT SUPPORT/OPPOSITION:

Public and employees utilizing facilities will support consolidation. The City of Palmer is supportive as it would increase the local market to supply fire fighting commodities, provide additional job opportunities and increase use of local restaurants and motels.

Because the division provides fire protection on federal ownership on a reimbursable basis, the federal government will support the lowered cost of fire suppression support. No opposition is anticipated.

Structure fire districts and the Municipality of Anchorage will support the project. The division provides helicopter and retardant support to these organizations through agreements. Improved operations within the division translates into improved ability to support joint operations.

PUBLIC BENEFITS:

The public directly benefits from this consolidation since the facility would enhance response to wildland fires. Additional fiscal and operational efficiencies provide more efficient use of public funding.

CONSEQUENCES IF NOT FUNDED:

Continued inefficient and costly support operations. Continued transport of equipment and supplies by truck for air cargo transport to field offices which requires additional employees and equipment.

SPECIFIC DESCRIPTION OF WHAT WILL BE PURCHASED:

Warehouse, hangar, aircraft parking and office space adjacent to major airport through lease finance arrangements.

Acquisition of a site would provide:

Sufficient office space for consolidating the Anchorage, Palmer, Eagle River and Big Lake functions.

Sufficient parking and operating space for state owned, contracted and rented fixed and rotor winged aircraft; adequate secured space and heated storage for supplies and equipment (current inventory value of \$1.5 million); work space for maintenance of fire engine apparatus, fire suppression equipment and aircraft and heated storage for aircraft.

Alternatives for lease financing an existing facility adjacent to the Palmer Airport are limited. Construction may be necessary to provide an appropriate facility.

Tax-exempt interest rates are at a 25-year low at this time. Interest rates could but are not expected to rise for some time. The differential between taxable and tax-exempt rates is expected to widen as marginal tax rates rise for individuals who buy these securities. The credit ratings of the state and the borough are at all-time highs.

This facility would be totally public purpose and therefore qualify for tax-exempt interest rates; e.g. the interest portion of each lease payment would not be includable as personal income for computing federal tax. Issuance costs are also at historic lows, with underwriter spreads reduced as a result of competition. A 20-year lease with level lease payments for which the Mat-Su Borough was the nominal issuer and lessor and an issuance amount of \$2,575,000 would likely result in lease payments of less than \$225,000.

There would be no property tax. The state would own the facility at the end of the lease term. Most of the securities would likely be purchased by Alaskans.

Conceptual endorsement of the City of Palmer and the Alaska State Bond Committee prior to legislative approval is desired. Structural aspects of the financing, including term and method of sale, would be left to the recommendation of the committee.

Enabling language brought to the Alaska Legislature, as required under AS 36.30.80, could include a requirement that the financing not take place without obtaining a bond counsel opinion that the financing qualifies as tax-exempt. Additionally, a minimum credit rating constraint could be placed on the security i.e. the City of Palmer would not issue the obligation unless a rating of A or better was achieved from both Moody's Investors Service and Standard & Poor's Corporation.

ECONOMIC DEVELOPMENT:

No direct revenue to the state is anticipated. Relocation of the various offices will increase state presence in Palmer.

COST BENEFIT ANALYSIS:

No cost benefit analysis has been performed on increased efficiency of fire operations. Reduction in cost realized by reduction in transport of equipment and supplies to a major airport is estimated to be \$100,000 per year. Providing a hangar will extend the useful period for division aircraft by 4-5 months per year because pre-flight preparation time will be less influenced by weather conditions.

CITY OF PALMER



231 W. EVERGREEN AVE.
PALMER, ALASKA 99645



Phone (907) 745-3271

A HOME RULE CITY

October 19, 1993

Mr. Tom Boutin
Director, Division of Forestry
3601 "C" Street
P.O. Box 107005
Anchorage, Alaska 99510-7005

RE: Consolidation of Services

Dear ~~Mr. Boutin~~,

First, I would like to congratulate you on your new position as Director of the Division of Forestry. This surely is a dramatic career change from your previous position with the Department of Revenue.

From our conversation of the other day, I understand that the Division of Forestry is possibly considering the consolidation of the Anchorage, Eagle River and Big Lake offices into one central office in the Matanuska-Susitna valley to be closer to the source of your main summer work, fighting fires.

The City of Palmer has been one of the main bases for the leased fire fighting airplanes since 1987. This, coupled with the basing of the fire fighting crews has made Palmer ideal for this operation especially since we have a 6,000 foot paved runway and large quantities of water available for mixing with the fire retardant on site.

With the consolidation of all the services under one roof, the City of Palmer feels that the Palmer Municipal Airport would be an ideal location for this new facility.

Back in the 1980's, the Division of Forestry was planning to lease five acres at the Palmer Municipal Airport for the construction of a fire fighting operations building to consolidate the fire fighting portion of the operations. However, when the 1985 downturn in the economy arrived, the lease came to pass as well as the construction of a new facility. I had worked with Mr. Dave Cechowski of the Department of Administration General Services and Supply

Mr. Tom Boutin - October 19, 1993
Page 2

Division on this lease.

The City of Palmer has a long history in construction management of facilities both for itself as well as the State of Alaska. Three good examples of state utilized buildings are the State Trooper Building, Pretrial Facility and the Alaska Court System Courthouse. In working with you on the courthouse financing, we achieved a very satisfactory arrangement for the State. The record also shows that we can do it on time, under budget and to the client's needs, which can include financing.

The City of Palmer has prime acreage at our airport suitable for any type of facility the Division of Forestry may envision. The site is adjacent to the south parking apron where your operations are now based and has electrical power, natural gas, telephone, T.V. cable, and sewer/water adjacent to it available for hook up without any costly extensions required other than those to the facility itself. There is also a graveled access road. This eliminates the need to make the site buildable without incurring utility extension costs which drive construction costs up even further. The City would extend to the State of Alaska our normal 20 year lease with 20 year renewal option. Since Federal Aviation Administration funds were used to purchase this property, we can only offer long term leases for airport property. The present lease rate is \$0.04 per square foot with a review of the lease rate at five year intervals. The present \$0.04 per square foot has been in effect since 1985 and our recent appraisal indicates that this is a fair and equitable rate.

The City of Palmer stands ready to assist you in your efforts in securing legislative approval for entering into a lease purchase financing arrangement of a new facility using Certificates of Participation, similar to the original financing of the Alaska Court System Courthouse.

At the same time, the facility will be designed to meet your specific needs with you and your staff being involved from the time the first line is drawn. This is exactly how the courthouse, trooper building, and pretrial facility were designed. With the City of Palmer being project manager, we can save the Division of Forestry time and money.

Mr. Tom Boutin - October 19, 1993

Page 3

In closing, I would like to reiterate our desire to work with you and your staff in seeing the project to fruition at the Palmer Municipal Airport.

Should you have any questions, please feel free to contact me.

Yours truly,

David L. Soulak
City Manager
City of Palmer

DLS/cac

cc: Mayor Carté
PEDA
Representative Ron Larson
Senator Jalmar Kerttula

Palmer Consolidated Facilities

| <u>Fiscal Year</u> | <u>Item</u> | <u>Savings</u> |
|--------------------|---|----------------|
| Annual | Eliminate aircraft tie-down charges at Merrill Field | 2.0 |
| Annual | Eliminate ramp and office space at Palmer | 27.0 |
| Annual | Reduce office space costs in Frontier Building 8,116 sq.ft at \$3.27/sq/ft/month annual savings | 318.5 |
| Annual | Two expeditor (drivers) at South Zone | 20.0 |
| Annual | One EFF employee at Big Lake | 10.0 |
| Annual | Eagle River shop, whse and storage risk mgmt charges | 3.6 |
| Annual | Big Lake shop, whse and storage risk mgmt chgs | 0.4 |
| Annual | One FEPP vehicle can be eliminated at Big Lake | 1.2 |
| Annual | Reduced vehicle operating costs in South Zone | 2.4 |
| Annual | Eagle River 6 mo wages for maintenance worker | 21.0 |
| | ANNUAL TOTAL | \$406.1 |
| 1994 | Big Lake Septic tank system maintenance | 6.0 |
| 1994 | Big Lake office & shop electrical system upgrade | 4.5 |
| 1994 | Eagle River Maint. fueling island behind shop | 4.3 |
| 1994 | Eagle River Const. whse office inside main bldg | 3.0 |
| 1994 | Eagle River noise abatement-pump/saw run-up area | 1.0 |
| 1994 | Palmer mobile home water & septic system maint | 5.0 |
| | 1994 TOTAL | \$23.8 |
| 1995 | Big Lake warehouse addition | 7.0 |
| 1995 | Big Lake office & shop roof replacement | 10.0 |
| 1995 | Big Lake facility savings by not installing new fuel tank and system | 35.0 |
| 1995 | Eagle River upgrade electrical service in grey bldg | 2.0 |
| 1995 | Eagle River add crushed rock (D-1) to driveway | 2.0 |
| 1995 | Eagle River repair footings in front of grey bldg | 0.8 |
| 1995 | Eagle River security fencing installation | 40.0 |
| | 1995 TOTAL | \$96.8 |
| 1996 | Add insulation to Eagle River shop interior walls | 1.5 |
| 1996 | Sewer line assessment cost for Eagle River | 151.0 |
| | 1996 TOTAL | \$152.5 |

| Year | Annual Savings | One-time Savings | Total Savings | Ownership Value | Savings + Ownership | Lease Payments | Annual Savings | Net Present Value |
|------|----------------|------------------|---------------|-----------------|---------------------|----------------|----------------|-------------------|
| 1 | \$406 | | \$406 | | \$406 | \$447 | (\$41) | (\$39) |
| 2 | \$420 | \$24 | \$444 | | \$444 | \$447 | (\$3) | (\$3) |
| 3 | \$435 | \$97 | \$532 | | \$532 | \$447 | \$85 | \$71 |
| 4 | \$450 | \$153 | \$603 | | \$603 | \$447 | \$156 | \$124 |
| 5 | \$466 | | \$466 | | \$466 | \$447 | \$19 | \$14 |
| 6 | \$482 | | \$482 | | \$482 | \$447 | \$35 | \$25 |
| 7 | \$499 | | \$499 | | \$499 | \$447 | \$52 | \$35 |
| 8 | \$517 | | \$517 | | \$517 | \$447 | \$70 | \$44 |
| 9 | \$535 | | \$535 | | \$535 | \$447 | \$88 | \$52 |
| 10 | \$553 | | \$553 | | \$553 | \$447 | \$106 | \$60 |
| 11 | \$573 | | \$573 | | \$573 | \$447 | \$126 | \$67 |
| 12 | \$593 | | \$593 | | \$593 | \$447 | \$146 | \$73 |
| 13 | \$614 | | \$614 | | \$614 | \$447 | \$167 | \$79 |
| 14 | \$635 | | \$635 | | \$635 | \$447 | \$188 | \$84 |
| 15 | \$657 | | \$657 | | \$657 | \$447 | \$210 | \$88 |
| 16 | \$680 | | \$680 | | \$680 | \$447 | \$233 | \$93 |
| 17 | \$704 | | \$704 | | \$704 | \$447 | \$257 | \$96 |
| 18 | \$729 | | \$729 | | \$729 | \$447 | \$282 | \$100 |
| 19 | \$754 | | \$754 | | \$754 | \$447 | \$307 | \$102 |
| 20 | \$781 | | \$781 | \$4,823 | \$5,604 | \$447 | \$5,157 | \$1,622 |
| TOT | \$11,484 | \$273 | \$11,757 | \$4,823 | \$16,580 | \$8,940 | \$7,640 | \$2,788 |

WALTER J. HICKEL
GOVERNOR



P. O. Box 110001
Juneau, Alaska 99811-0001
(907) 465-3500

STATE OF ALASKA
OFFICE OF THE GOVERNOR
JUNEAU

February 11, 1994

*The Honorable Rick Halford
President of the Senate
Alaska State Legislature
State Capitol
Juneau, AK 99801-1182*

304

Dear Mr. President:

Under the authority of art. III, sec. 18, of the Alaska Constitution, I am transmitting a bill authorizing the issuance of Alaska Housing Finance Corporation and University of Alaska bonds for repair and rehabilitation of university facilities.

This legislation will provide funding to partially meet the university facilities' deferred maintenance needs throughout the state. The Legislature's approval of my bill last session creating the educational facilities maintenance and construction fund was a start in stepping up to our responsibilities in investing in the state's existing infrastructure. But it was only a start. We now have the responsibility to continue to meet the university's critical needs.

The bill I am proposing authorizes the Alaska Housing Finance Corporation to issue \$30 million in bonds for student housing repair and rehabilitation, and authorizes the University of Alaska to issue \$45 million in bonds for repair and rehabilitation of other university facilities. This program will allow the buildings to be repaired now, with costs of the upgrades spread over the remaining useful life of the facilities. Repayment of the debt service will be made from annual legislative appropriations from the Alaska debt retirement fund (AS 37.05.011). The historic low interest rates currently prevailing in the national capital markets, combined with reduced future maintenance and operating costs brought about by fixing the university facilities, makes this approach particularly appropriate this year.

I urge your early and favorable consideration of this legislation.

Sincerely,

A handwritten signature in cursive script that reads "Walter J. Hickel".

Walter J. Hickel
Governor

SB

305

SFIN

FILE

SENATE FINANCE COMMITTEE REPORT

DATE: 4/11/94

FURTHER:

DATE TURNED INTO OFFICE: 4-19-94

The Finance Committee considered **SENATE BILL NO. 305**

"An Act relating to licensure of landscape architects."

and recommends:

replace with _____ CS SB 305 (FINANCE)
 or adopt previous _____ CS _____
 attaches amendment(s)

same title
 new title
 technical title change (HB only)

adopts _____ Letter of Intent

further referral to the _____

do pass

do not pass

no recommendation

individual recommendations

NEW FISCAL NOTES

| Department | Date | Zero | Fiscal |
|------------|------|------|--------|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

PREVIOUS FISCAL NOTES

| Department | Date | Zero | Fiscal |
|------------|--------|------|--------|
| DCKED | 4/6/94 | | 9.3 |
| | | | 17.3 |
| | | | |
| | | | |
| | | | |
| | | | |

apt.
Revenue

Appropriation No Fiscal Note

DO PASS:

OTHER RECOMMENDATIONS:

Tim Kelly - No Rec
Steve Pini - No Recommendation
Walter - No Rec
Ben May - No Rec
Frank - No Rec

1. [Signature]
 Co-Chair: Signature/Recommendation

2. [Signature]
 Co-Chair: Signature/Recommendation

FISCAL NOTE

No. 1

Pill Version: SB 305

(S) Publish Date: 4-11-94

**STATE OF ALASKA
1994 LEGISLATIVE SESSION**

B

Revision Date: 4/6/94
 Title: An Act relating to licensure of
landscape architects
 Sponsor: Senator Little
 Requestor: Senator Little

Department: Commerce and Economic Dev.
 BRU: Occupational Licensing
 Component: Operations

COMPONENT SERIAL NO. 1844

Expenditures/Revenues

(Thousands of Dollars)

| OPERATING EXPENDITURES | FY 95 | FY 96 | FY 97 | FY 98 | FY 99 | FY 00 |
|------------------------|------------|------------|------------|------------|------------|------------|
| PERSONAL SERVICES | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| TRAVEL | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 |
| CONTRACTUAL | 5.3 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| SUPPLIES | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| EQUIPMENT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| LAND & STRUCTURES | | | | | | |
| GRANTS, CLAIMS | | | | | | |
| MISCELLANEOUS | | | | | | |
| TOTAL OPERATING | 9.3 | 8.0 | 8.0 | 8.0 | 8.0 | 8.0 |

| | | | | | | |
|----------------------|--|--|--|--|--|--|
| CAPITAL EXPENDITURES | | | | | | |
|----------------------|--|--|--|--|--|--|

| | | | | | | |
|--------------------|------|-----|------|-----|------|-----|
| CHANGE IN REVENUES | 17.3 | 0.0 | 16.0 | 0.0 | 16.0 | 0.0 |
|--------------------|------|-----|------|-----|------|-----|

FUND SOURCE

(Thousands of Dollars)

| | | | | | | |
|--------------------------|------------|------------|------------|------------|------------|------------|
| 1002 Federal Receipts | | | | | | |
| 1003 GF Match | | | | | | |
| 1004 General Fund | | | | | | |
| 1005 GF/Program Receipts | 9.3 | 8.0 | 8.0 | 8.0 | 8.0 | 8.0 |
| 1006 GF/MHTIA | | | | | | |
| Other | | | | | | |
| TOTAL | 9.3 | 8.0 | 8.0 | 8.0 | 8.0 | 8.0 |

Estimate of any current year (FY 94) cost: \$ None

POSITIONS

| | | | | | | |
|-----------|-----|-----|-----|-----|-----|-----|
| FULL-TIME | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PART-TIME | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| TEMPORARY | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

ANALYSIS: (Attach a separate page if necessary)

This version of the fiscal note for SB 305 shows the costs if the registration of landscape architects is accomplished by adding one non voting board member rather than two new positions to the Board of Registration for Architects, Engineers, and Land Surveyors, if the examination is administered only once each year, and out-of-state travel is eliminated. (Continued on attached page)

Prepared by: JoAnne Cummings, Regulations Specialist
 Division: Occupational Licensing
 Approved by Commissioner: Paul Fuhs
 Agency: Commerce and Economic Development

Phone: 465-2537
 Date: 4/6/94

. DISTRIBUTION COPIES TO GOVERNOR'S LEGISLATIVE OFFICE
 For more information, call the Governor's Legislative Office

Changes in CS SB 305 (LAC)
 reflect NO FISCAL CHANGE from the original
 fiscal note. This fiscal note is appropriate.

SUPPLIES

\$ 1.0

TOTAL:

\$ 9.3

FUND SOURCE: Funding is expected to be provided from General Fund/Program Receipts. Registration fees are collected biennially. In order for this program to pay its own costs, each landscape architect registrant must pay approximately \$500 biennially, plus a \$50 application fee, plus an examination fee, if applicable. The biennial fee is calculated by taking the amount of the operating expenses shown in this fiscal note for the first two years (17.3); less two years' examination administration costs, which will be charged directly, (1.7); plus slightly less than 10% of the personal services costs of a licensing examiner for two years (6.0); divided by the estimated number of registrants (50); plus a share of the division's indirect costs for two years (\$114.00 per license). The estimated examination fee is \$40. The fees may be reduced if the number of registrants is higher than expected or vice versa.

FISCAL NOTE

No. 1

Bill Version: SB 305

(S) Publish Date: 4-11-94

**STATE OF ALASKA
1994 LEGISLATIVE SESSION**

B

Revision Date: 4/6/94
 Title: An Act relating to licensure of
 landscape architects
 Sponsor: Senator Little
 Requestor: Senator Little

Department: Commerce and Economic Dev.
 ERU: Occupational Licensing
 Component: Operations

COMPONENT SERIAL NO. 1844

Expenditures/Revenues

(Thousands of Dollars)

| OPERATING EXPENDITURES | FY 95 | FY 96 | FY 97 | FY 98 | FY 99 | FY 00 |
|-----------------------------|-------------|------------|-------------|------------|-------------|------------|
| PERSONAL SERVICES | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| TRAVEL | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 |
| CONTRACTUAL | 5.3 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| SUPPLIES | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| EQUIPMENT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| LAND & STRUCTURES | | | | | | |
| GRANTS, CLAIMS | | | | | | |
| MISCELLANEOUS | | | | | | |
| TOTAL OPERATING | 9.3 | 8.0 | 8.0 | 8.0 | 8.0 | 8.0 |
| CAPITAL EXPENDITURES | | | | | | |
| CHANGE IN REVENUES | 17.3 | 0.0 | 16.0 | 0.0 | 16.0 | 0.0 |

FUND SOURCE

(Thousands of Dollars)

| | | | | | | |
|--------------------------|------------|------------|------------|------------|------------|------------|
| 1002 Federal Receipts | | | | | | |
| 1003 GF Match | | | | | | |
| 1004 General Fund | | | | | | |
| 1005 GF/Program Receipts | 9.3 | 8.0 | 8.0 | 8.0 | 8.0 | 8.0 |
| 1006 GF/MHTIA | | | | | | |
| Other | | | | | | |
| TOTAL | 9.3 | 8.0 | 8.0 | 8.0 | 8.0 | 8.0 |

Estimate of any current year (FY 94) cost: \$

None

POSITIONS

| | | | | | | |
|-----------|-----|-----|-----|-----|-----|-----|
| FULL-TIME | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PART-TIME | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| TEMPORARY | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

ANALYSIS: (Attach a separate page if necessary)

This version of the fiscal note for SB 305 shows the costs if the registration of landscape architects is accomplished by adding one non voting board member rather than two new positions to the Board of Registration for Architects, Engineers, and Land Surveyors, if the examination is administered only once each year, and out-of-state travel is eliminated. (Continued on attached page)

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 Approved by Commissioner: Paul Fuhs
 Agency: Commerce and Economic Development

Phone: 465-2537

Date: 4/6/94

Date: 4/6/94

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 For more information, call the Governor's Legislative Office

Changes in CS SB 305 (LAC)
 reflect **NO FISCAL CHANGE** from the original
 fiscal note. This fiscal note is appropriate.

**CONTINUATION of FISCAL NOTE ANALYSIS
FOR BILL/RESOLUTION NO. SB 305**

No increase is requested for investigative costs. However, if the number of complaints is higher than anticipated, an increase for investigative costs will be required in the future.

The Board of Registration for Architects, Engineers and Land Surveyors is presently understaffed. The increased duties for examination and registration of landscape architects will be absorbed by a position that already exists in the division. However, additional staff travel will be required for board meetings and examinations.

The division is anticipating that the charge for the national examination for landscape architect registration can be paid by an applicant directly to the examination agency. If the examination agency will not allow direct payment, additional funding of \$20.5 will be required for examining 50 applicants.

TRAVEL

TRAVEL TO BOARD MEETINGS FOR STAFF **\$ 2.2**

The board meets four times each year. The travel costs are based on the airfare and per diem for one additional staff person to travel to three meetings.

STAFF TRAVEL TO ADMINISTER EXAMINATIONS **\$.8**

The staff travel costs are based on the airfare and per diem for one staff person to travel from Juneau to Anchorage for one three-day examination each year to proctor the examination and provide examination security.

CONTRACTUAL SERVICES **\$ 5.3**

Contractual services cover printing, postage, communications, and advertising costs (3.0); three days' room rental for examination administration (.9); and membership fees to belong to the national organization for landscape architect registration (1.4). It is estimated that there will be higher costs in the initial year for regulations projects and examinations. In the following years it is estimated that the expenditures for contractual services may be reduced to \$4.0 due to decreased costs to develop regulations and lower room rental costs to examine fewer numbers of applicants.

SUPPLIES

\$ 1.0

TOTAL:

\$ 9.3

FUND SOURCE: Funding is expected to be provided from General Fund/Program Receipts. Registration fees are collected biennially. In order for this program to pay its own costs, each landscape architect registrant must pay approximately \$500 biennially, plus a \$50 application fee, plus an examination fee, if applicable. The biennial fee is calculated by taking the amount of the operating expenses shown in this fiscal note for the first two years (17.3); less two years' examination administration costs, which will be charged directly, (1.7); plus slightly less than 10% of the personal services costs of a licensing examiner for two years (6.0); divided by the estimated number of registrants (50); plus a share of the division's indirect costs for two years (\$114.00 per license). The estimated examination fee is \$40. The fees may be reduced if the number of registrants is higher than expected or vice versa.

8-LS16170
Lauterbach
4/7/94

4-19-94
Adopted

CS FOR SENATE BILL NO. 305()
IN THE LEGISLATURE OF THE STATE OF ALASKA
EIGHTEENTH LEGISLATURE - SECOND SESSION

BY

Offered:
Referred:

Sponsor(s): SENATOR LITTLE

A BILL

FOR AN ACT ENTITLED

1 "An Act relating to licensure of landscape architects."

2 BE IT ENACTED BY THE LEGISLATURE OF THE STATE OF ALASKA:

3 * Section 1. AS 08.01.010(2) is amended to read:

4 (2) State Board of Registration for Architects, Engineers, [AND] Land
5 Surveyors, and Landscape Architects (AS 08.48.011);

6 * Sec. AS 08.03.010(c)(3) is amended to read:

7 (3) State Board of Registration for Architects, Engineers, [AND] Land
8 Surveyors, and Landscape Architects (AS 08.48.011) - June 30, 1997;

9 * Sec. 3. AS 08.48.011 is amended to read:

10 Sec. 08.48.011. BOARD CREATED. (a) There is created the State Board of
11 Registration for Architects, Engineers, [AND] Land Surveyors, and Landscape
12 Architects. The board shall administer the provisions of this chapter and comply with
13 AS 44.62 ([THE] Administrative Procedure Act [(AS 44.62)]).

14 (b) The board consists of nine voting members appointed by the governor

1 having the qualifications as set out in AS 08.48.031 and one nonvoting member
2 appointed by the governor from persons recommended by the Alaska Chapter of
3 the American Society of Landscape Architects and having the qualifications set
4 out in AS 08.48.031. The voting members of the board consist [CONSISTS] of two
5 civil engineers, one land surveyor, one mining engineer, two engineers from other
6 branches of the profession of engineering, two architects, and one public member.

7 * Sec. 4. AS 08.48.031 is amended to read:

8 Sec. 08.48.031. QUALIFICATIONS. Each member of the board must have
9 been a resident in the state for three consecutive years immediately preceding
10 appointment and, except for the public member and the nonvoting member, must be
11 registered and have a minimum of five years of professional practice in the member's
12 respective field.

13 * Sec. 5. AS 08.48.061(b) is amended to read:

14 (b) Each voting member of the board is entitled to receive per diem and travel
15 expenses as authorized by law for other boards and commissions. The nonvoting
16 member of the board is not entitled to receive either per diem or travel expenses.

17 * Sec. 6. AS 08.48.061(c) is amended to read:

18 (c) The board may make expenditures from appropriated funds for any purpose
19 that is reasonably necessary for the proper performance of its duties under this chapter.
20 This may include the expenses of the board delegates to meetings of councils of
21 architect examiners, engineering examiners, [OR] land surveyor examiners, or
22 landscape architect examiners, or any of their subdivisions. The total amount of
23 warrants issued in payment of the expenses incurred under this chapter may not exceed
24 the amount of money appropriated by the legislature.

25 * Sec. 7. AS 08.48.071(t) is amended to read:

26 (f) The Department of Commerce and Economic Development shall assemble
27 statistics relating to the performance of its staff and the performance of the board,
28 including but not limited to,

29 (1) the number of architects, engineers, [AND] land surveyors, and
30 landscape architects registered over a five-year period;

31 (2) the rate of passage of examinations administered by the board;

1 having the qualifications as set out in AS 08.48.031 and one nonvoting member
2 appointed by the governor from persons recommended by the Alaska Chapter of
3 the American Society of Landscape Architects and having the qualifications set
4 out in AS 08.48.031. The voting members of the board consist [CONSISTS] of two
5 civil engineers, one land surveyor, one mining engineer, two engineers from other
6 branches of the profession of engineering, two architects, and one public member.

7 * Sec. 4. AS 08.48.031 is amended to read:

8 Sec. 08.48.031. QUALIFICATIONS. Each member of the board must have
9 been a resident in the state for three consecutive years immediately preceding
10 appointment and, except for the public member and the nonvoting member, must be
11 registered and have a minimum of five years of professional practice in the member's
12 respective field.

13 * Sec. 5. AS 08.48.061(b) is amended to read:

14 (b) Each voting member of the board is entitled to receive per diem and travel
15 expenses as authorized by law for other boards and commissions. The nonvoting
16 member of the board is not entitled to receive either per diem or travel expenses.

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19 that is reasonably necessary for the proper performance of its duties under this chapter.
20 This may include the expenses of the board delegates to meetings of councils of
21 architect examiners, engineering examiners, [OR] land surveyor examiners, or
22 landscape architect examiners, or any of their subdivisions. The total amount of
23 warrants issued in payment of the expenses incurred under this chapter may not exceed
24 the amount of money appropriated by the legislature.

25 * Sec. 7. AS 08.48.071(f) is amended to read:

26 (f) The Department of Commerce and Economic Development shall assemble
27 statistics relating to the performance of its staff and the performance of the board,
28 including but not limited to,

29 (1) the number of architects, engineers, [AND] land surveyors, and
30 landscape architects registered over a five-year period;

31 (2) the rate of passage of examinations administered by the board;

1 (3) the number of persons making application for registration as a
2 professional architect, engineer, [OR] land surveyor, or landscape architect over a
3 five-year period;

4 (4) an account of registration fees collected under AS 08.01.065;

5 (5) a measure of the correspondence workload of any licensing
6 examiner employed by the department to carry out this chapter.

7 * Sec. 8. AS 08.48.091 is amended to read:

8 Sec. 08.48.091. WRITTEN EXAMINATIONS [AND EXAMINATION FEES].

9 Except as provided in (b) of this section, written [WRITTEN] examinations shall
10 be held at least twice each year at places determined by the board unless the
11 examination administered by the board is a national examination prepared only once
12 each year, in which case the examination shall be held at least once each year. A
13 candidate failing an examination may apply for reexamination.

14 * Sec. 9. AS 08.48.091 is amended by adding a new subsection to read:

15 (b) The board shall administer a written examination at least once each year
16 for applicants who are seeking to be registered as landscape architects.

17 * Sec. 10. AS 08.48.111 is amended to read:

18 Sec. 08.48.111. POWER. TO REVOKE, SUSPEND, OR REISSUE
19 CERTIFICATE. The board may suspend, refuse to renew, or revoke the certificate of
20 or reprimand a registrant or corporation who is found guilty of (1) fraud or deceit in
21 obtaining a certificate; (2) gross negligence, incompetence, or misconduct in the
22 practice of architecture, engineering, [OR] land surveying, or landscape architecture;
23 or (3) a violation of this chapter, a regulation adopted under this chapter, or the code
24 of ethics or professional conduct as adopted by the board. The code of ethics or
25 professional conduct shall be distributed in writing to every registrant and applicant
26 for registration under this chapter. This publication and distribution of the code of
27 ethics or professional conduct constitutes due notice to all registrants. The board may
28 revise and amend its code and, upon doing so, shall immediately notify each registrant
29 in writing of the revisions or amendments. The board may, upon petition of the
30 registrant or corporation, reissue a certificate if a majority of the members of the board
31 vote in favor of the reissuance.

1 * **Sec. 11.** AS 08.48.171 is amended to read:

2 Sec. 08.48.171. GENERAL REQUIREMENTS AND QUALIFICATIONS FOR
3 REGISTRATION. An applicant for registration as an architect, engineer, [OR] land
4 surveyor, or landscape architect must be of good character and reputation and shall
5 submit evidence satisfactory to the board of the applicant's education, training, and
6 experience. However, an applicant for registration as a land surveyor may not be
7 required to submit evidence of more than eight years of any combination of education,
8 experience, or training.

9 * **Sec. 12.** AS 08.48.181 is amended to read:

10 Sec. 08.48.181. REGISTRATION UPON EXAMINATION. Except as
11 provided in AS 08.48.191, for registration as a professional architect, professional
12 engineer, [OR] professional land surveyor, or professional landscape architect, a
13 person shall be examined in this state in accordance with the regulations of procedure
14 and standards adopted by the board under AS 44.62 ([THE] Administrative Procedure
15 Act [(AS 44.62)]). The procedure and standards shall at least meet the requirements
16 adopted by recognized national examining councils for these professions.

17 * **Sec. 13.** AS 08.48.191 is amended by adding a new subsection to read:

18 (d) A person holding a certificate of registration authorizing the person to
19 practice landscape architecture in a state, territory, or possession of the United States,
20 the District of Columbia, or a foreign country, that in the opinion of the board meets
21 the requirements of this chapter, based on verified evidence, may upon application, be
22 registered under the regulations of the board. A person holding a certificate of
23 qualification issued by the Council of Landscape Architectural Registration Boards
24 may upon application be registered under regulations of the board.

25 * **Sec. 14.** AS 08.48.201(a) is amended to read:

26 (a) Application for registration as a professional architect, a professional
27 engineer, [OR] a professional land surveyor, or a professional landscape architect
28 shall

29 (1) be on a form prescribed and furnished by the board;

30 (2) contain statements made under oath, showing the applicant's
31 education and a detailed summary of the applicant's technical experience; and

1 (3) contain five references, three of whom must be architects for
2 architectural registration, engineers for engineering registration, [AND] land surveyors
3 for land surveying registration, and landscape architects for landscape architectural
4 registration, having personal knowledge of the applicant's architectural, engineering,
5 [OR] land surveying, or landscape architectural education, training, or experience.

6 * Sec. 15. AS 08.48.211 is amended to read:

7 Sec. 08.48.211. CERTIFICATE OF REGISTRATION. (a) An applicant who
8 fulfills the requirements set out by the board shall be awarded a certificate of
9 registration as a professional architect, engineer, [OR] land surveyor, or landscape
10 architect, authorizing the holder to offer or perform architectural, engineering, [OR]
11 land surveying, or landscape architectural services or work for the public, or to
12 certify or sign architectural, engineering, [OR] land surveying, or landscape
13 architectural documents. Certificates of registration issued under this section shall
14 be inscribed on their face in a manner determined by the board.

15 (b) The certificate of registration sealed by the board is prima facie evidence
16 that the person named in it is entitled to all rights and privileges of a professional
17 architect, professional engineer, [OR] professional land surveyor, or professional
18 landscape architect while the certificate remains unrevoked or unexpired.

19 * Sec. 16. AS 08.48.221 is amended to read:

20 Sec. 08.48.221. SEALS. Each registrant may obtain a seal of the design
21 authorized by the board, bearing the registrant's name, registration number, and the
22 legend, "Registered Professional Architect," "Registered Professional Engineer," [OR]
23 "Registered Professional Land Surveyor," or "Registered Professional Landscape
24 Architect," as appropriate. Final drawings, specifications, surveys, plats, plates,
25 reports, and other similar documents shall, when issued, be signed and stamped with
26 the seal. The board shall adopt regulations governing the use of seals by the registrant.
27 An architect, engineer, [OR] land surveyor, or landscape architect may not affix or
28 permit a seal and signature to be affixed to an instrument after the expiration of a
29 certificate or for the purpose of aiding or abetting another person to evade or attempt
30 to evade a provision of this chapter. The registrant, by affixing the registrant's seal
31 to final drawings, specifications, surveys, plats, plates, reports, and other similar

1 documents, and signing them, certifies that these documents were prepared by or under
2 the registrant's direct supervision, unless the registrant certifies on the face of the
3 document to the extent of the registrant's responsibility.

4 * Sec. 17. AS 08.48.241(a) is amended to read:

5 (a) This chapter does not prevent a corporation from offering architectural,
6 engineering, [OR] land surveying, or landscape architectural services; however, the
7 corporation shall file with the board

8 (1) an application for a certificate of authorization upon a form to be
9 prescribed by the board and containing information required to enable the board to
10 determine whether the corporation is qualified in accordance with the provisions of this
11 chapter to offer to practice architecture, engineering, [OR] land surveying, or
12 landscape architecture in this state;

13 (2) a certified copy of a resolution of the board of directors of the
14 corporation designating persons holding certificates of registration under this chapter
15 as responsible for the practice of architecture, engineering, [OR] land surveying, or
16 landscape architecture by the corporation in this state and providing that full
17 authority to make all final architectural, engineering, [OR] land surveying, or
18 landscape architectural decisions on behalf of the corporation with respect to work
19 performed by the corporation in this state is granted by the board of directors to the
20 persons designated in the resolution; however, the filing of this resolution does not
21 relieve the corporation of any responsibility or liability imposed upon it by law or by
22 contract;

23 (3) a designation in writing setting out the name of one or more
24 persons holding certificates of registration under this chapter who are in responsible
25 charge of each major branch of the architectural, engineering, [OR] land surveying, or
26 landscape architectural activities in which the corporation specializes in this state;
27 if a change is made in the person in responsible charge of a major branch of the
28 architectural, engineering, [OR] land surveying, or landscape architectural activities,
29 the change shall be designated in writing and filed with the board within 30 days after
30 the effective date of the change.

31 * Sec. 18. AS 08.48.241(b) is amended to read:

1 (b) Upon filing with the board the application for certificate of authorization,
2 certified copy of resolution, affidavit, and designation of persons specified in this
3 section, the board shall, subject to (c) of this section, issue to the corporation a
4 certificate of authorization to practice architecture, engineering, [OR] land surveying,
5 or landscape architecture in this state upon a determination by the board that

6 (1) the bylaws of the corporation contain provisions that all
7 architectural, engineering, [OR] land surveying, or landscape architectural decisions
8 pertaining to architectural, engineering, [OR] land surveying, or landscape
9 architectural activities in this state will be made by the specified architect, engineer,
10 [OR] land surveyor, or landscape architect in responsible charge, or other registered
11 architects, engineers, [OR] land surveyors, or landscape architects under the direction
12 or supervision of the architect, engineer, [OR] land surveyor, or landscape architect
13 in responsible charge;

14 (2) the application for certificate of authorization states the type of
15 architecture, engineering, [OR] land surveying, or landscape architecture practiced
16 or to be practiced by the corporation;

17 (3) the applicant corporation has the ability to provide architectural,
18 engineering, [OR] land surveying, or landscape architectural services;

19 (4) the application for certificate of authorization states the professional
20 records of the designated person who is in responsible charge of each major branch of
21 architectural, engineering, [OR] land surveying, or landscape architectural activities
22 in which the corporation specializes;

23 (5) the application for certificate of authorization states the experience
24 of the corporation, if any, in furnishing architectural, engineering, [OR] land surveying,
25 or landscape architectural services during the preceding five-year period;

26 (6) the applicant corporation meets other requirements related to
27 professional competence in the furnishing of architectural, engineering, [OR] land
28 surveying, or landscape architectural services as may be adopted by the board in
29 furtherance of the objectives and provisions of this chapter.

30 * Sec. 19. AS 08.48.241(d) is amended to read:

31 (d) The certificate of authorization shall specify the major branches of

1 architecture, engineering, [OR] land surveying, or landscape architecture of which
2 the corporation has designated a person in responsible charge as provided in this
3 section. The certificate of authorization shall be conspicuously displayed in the place
4 of business of the corporation, together with the names of persons designated as being
5 in responsible charge of the professional activities.

6 * Sec. 20. AS 08.48.241(e) is amended to read:

7 (e) If a corporation, organized solely by either a group of architects, a group
8 of engineers, [OR] a group of land surveyors, or a group of landscape architects,
9 each holding a certificate of registration under this chapter, applies for a certificate of
10 authorization, the board may, in its discretion, grant a certificate of authorization to the
11 corporation based on a review of the professional records of the incorporators, in place
12 of the required qualifications set out in this section. If the ownership of the
13 corporation is altered, the corporation shall apply for a revised certificate of
14 authorization, based upon the professional records of the owners, if exclusively
15 architects, engineers, [OR] land surveyors, or landscape architects, or otherwise under
16 the qualifications required by (b)(1) - (4) of this section.

17 * Sec. 21. AS 08.48.241(f) is amended to read:

18 (f) A corporation authorized to offer architectural, engineering, [OR] land
19 surveying, or landscape architectural services under this chapter, together with its
20 directors and officers for their own individual acts, is responsible to the same degree
21 as the designated individual registered architect, engineer, [OR] land surveyor, or
22 landscape architect, and shall conduct its business without misconduct or malpractice
23 in the practice of architecture, engineering, [OR] land surveying, or landscape
24 architecture as defined in this chapter.

25 * Sec. 22. AS 08.48.241(g) is amended to read:

26 (g) If the board, after a proper hearing, finds that a corporation holding a
27 certificate of authorization has committed misconduct or malpractice, the board shall
28 suspend or revoke the certificate of authorization. The board shall also suspend or
29 revoke the certificate of registration of any registered individual architect, engineer,
30 [OR] land surveyor, or landscape architect who, after a proper hearing, is found by
31 the board to have participated in committing the misconduct or malpractice.

1 * Sec. 23. AS 08.48.251 is amended to read:

2 Sec. 08.48.251. PARTNERSHIPS. This chapter does not prevent the practice
3 of architecture, engineering, [OR] land surveying, or landscape architecture by
4 partnership if all of the members of the partnership are architects, engineers, [OR] land
5 surveyors, or landscape architects legally registered under this chapter.

6 * Sec. 24. AS 08.48.281 is amended to read:

7 Sec. 08.48.281. PROHIBITED PRACTICE. A person may not practice or
8 offer to practice the profession of architecture, engineering, [OR] land surveying, or
9 landscape architecture in the state, or use in connection with the person's name or
10 otherwise assume or advertise a title or description tending to convey the impression
11 that the person is a registered architect, engineer, [OR] land surveyor, or landscape
12 architect unless the person has been registered under the provisions of this chapter or
13 is a person to whom these provisions do not apply, or, in the case of a corporation,
14 unless it has been authorized under this chapter.

15 * Sec. 25. AS 08.48.281 is amended by adding new subsections to read:

16 (b) Notwithstanding (a) of this section, this chapter does not prohibit the
17 practice of landscape architecture by a person who is not registered to practice
18 landscape architecture if the services being performed by the person are within the
19 scope of practice authorized by another license that is held by the person.

20 (c) Notwithstanding the definition of the "practice of landscape architecture"
21 in AS 08.48.341, a registered landscape architect may not perform or offer to perform
22 a service described in AS 08.48.341(17) if that service also requires registration as an
23 architect or engineer unless the landscape architect is also registered as an architect or
24 engineer, as applicable.

25 * Sec. 26. AS 08.48.291 is amended to read:

26 Sec. 08.48.291. VIOLATIONS AND PENALTIES. A person who practices
27 or offers to practice architecture, engineering, [OR] land surveying, or landscape
28 architecture in the state without being registered or authorized to practice in
29 accordance with the provisions of this chapter, or a person presenting or attempting to
30 use the certificate or the seal of another, or a person who gives false or forged
31 evidence of any kind to the board or to a member of the board in obtaining or

1 attempting to obtain a certificate, or a person who impersonates a registrant, or a
2 person who uses or attempts to use an expired or revoked or nonexistent certificate,
3 knowing of the certificate's status, or a person who falsely claims to be registered and
4 authorized to practice under this chapter, or a person who violates any of the
5 provisions of this chapter, is guilty of a misdemeanor and upon conviction is
6 punishable by a fine of not more than \$10,000, or by imprisonment for not more than
7 one year, or by both.

8 * Sec. 27. AS 08.48.311 is amended to read:

9 Sec. 08.48.311. RIGHTS NOT TRANSFERABLE. The right to engage in the
10 practice of architecture, engineering, [OR] land surveying, or landscape architecture
11 is considered a personal and individual right, based on the qualifications of the
12 individual as evidenced by the individual's certificate of registration, which is not
13 transferable.

14 * Sec. 28. AS 08.48.321 is amended to read:

15 Sec. 08.48.321. EVIDENCE OF PRACTICE. A person practices or offers to
16 practice architecture, engineering, [OR] land surveying, or landscape architecture
17 who

18 (1) practices a branch of the profession of architecture, engineering,
19 [OR] land surveying, or landscape architecture as defined in AS 08.48.341;

20 (2) by verbal claim, sign, advertisement, letterhead, card, or other
21 means represents to be an architect, engineer, [OR] land surveyor, or landscape
22 architect, or through the use of some other title implies that the person is an architect,
23 engineer, [OR] land surveyor, or landscape architect; or

24 (3) holds out as able to perform or who does perform an architectural,
25 engineering, [OR] land surveying, or landscape architectural service recognized by
26 the professions covered by this chapter, and specified in regulations of the board, as
27 an architectural, engineering, [OR] land surveying, or landscape architectural
28 service.

29 * Sec. 29. AS 08.48.331 is amended to read:

30 Sec. 08.48.331. EXEMPTIONS. This chapter does not apply to

31 (1) a contractor performing work designed by a professional architect,

1 [OR] engineer, or landscape architect or the supervision of the construction of the
2 work as a supervisor or superintendent for a contractor;

3 (2) workers in building trades crafts, superintendents, supervisors, or
4 inspectors in the performance of their customary duties;

5 (3) an officer or employee of the United States government practicing
6 architecture, engineering, [OR] land surveying, or landscape architecture as required
7 by the person's official capacity;

8 (4) an employee or a subordinate of a person registered under this
9 chapter if the work or service is done under the direct supervision of a person
10 registered under this chapter;

11 (5) associates, consultants, or specialists retained by a registered
12 individual, a partnership of registered individuals, or a corporation authorized to
13 practice architecture, engineering, [OR] land surveying, or landscape architecture
14 under this chapter, in the performance of professional services if responsible charge
15 of the work remains with the individual, the partnership, or a designated representative
16 of the corporation;

17 (6) a person preparing drawings or specifications for

18 (A) a building for the person's own use and occupancy as a
19 single family residence and related site work for that building;

20 (B) farm or ranch buildings, unless the public health, safety, or
21 welfare is involved;

22 (C) a building that is intended to be used only as a residence
23 by not more than four families and that is not more than two stories high;

24 (D) a garage, workshop, or similar building that contains less
25 than 2,000 square feet of floor space to be used for a private noncommercial
26 purpose;

27 (7) a specialty contractor licensed under AS 08.18 while engaged in the
28 business of construction contracting or designing systems for work within the specialty
29 to be performed or supervised by the specialty contractor, or a contractor preparing
30 shop or field drawings for work that the specialty contractor has contracted to perform;

31 (8) a person furnishing drawings, specifications, instruments of service,

1 or other data for alterations or repairs to a building that do not change or affect the
2 structural system or the safety of the building, or that do not affect the public health,
3 safety, or welfare;

4 (9) a person who is employed by a postsecondary educational
5 institution to teach engineering, architectural, [OR] land surveying, or landscape
6 architectural courses; in this paragraph, "postsecondary educational institution" has
7 the meaning given in AS 14.48.210.

8 * Sec. 30. AS 08.48.341(2) is amended to read:

9 (2) "board" means the State Board of Registration for Architects,
10 Engineers, [AND] Land Surveyors, and Landscape Architects.

11 * Sec. 31. AS 08.48.341(4) is amended to read:

12 (4) "certificate of authorization" means a certificate issued by the board
13 authorizing a corporation to provide professional services in architecture, engineering,
14 [OR] land surveying, or landscape architecture through individuals legally registered
15 by the board;

16 * Sec. 32. AS 08.48.341 is amended by adding new paragraphs to read:

17 (16) "landscape architect" means a professional landscape architect;

18 (17) "practice of landscape architecture" means consultative,
19 investigative, reconnaissance, research, planning, design, and preparation services
20 relating to drawings and construction documents, observation of construction, and
21 location, arrangement, and design of incidental and necessary tangible objects and
22 features for the purpose of

23 (A) preservation and enhancement of land uses and natural land
24 features;

25 (B) location and construction of aesthetically pleasing and
26 functional approaches for structures, roadways, and walkways;

27 (C) establishing or maintaining trails, plantings, landscape
28 irrigation, landscape lighting, and landscape grading; or

29 (D) generalized planning of the development of land areas in
30 a manner that is sensitive to the area's natural and cultural resources;

31 (18) "professional landscape architect" means a person registered as a

1 professional landscape architect by the board.

2 * Sec. 33. AS 08.48.351 is amended to read:

3 Sec. 08.48.351. SHORT TITLE. This chapter may be cited as the Architects,
4 Engineer, [AND] Land Surveyors, and Landscape Architects Registration Act.

5 * Sec. 34. AS 14.43.310(b) is amended to read:

6 (b) To assist the administering authority in selecting eligible applicants for
7 award of each of the memorial scholarship loans under AS 14.43.250 - 14.43.325 and
8 in reviewing the memorial scholarship loan program, the following advisory
9 committees are established:

10 (1) three Alaska state troopers, each one to be selected from and to
11 represent a state trooper region of the state by the regional commander to serve for
12 three years, for the Michael Murphy memorial scholarship;

13 (2) three members of the Governor's Commission on the
14 Administration of Justice selected annually by the commission from among its
15 membership, for the Carroll L. "Butch" Swartz memorial scholarship;

16 (3) three members of the state Board of Registration for Architects,
17 Engineers, [AND] Land Surveyors, and Landscape Architects selected annually by
18 the board from among its engineer members, for the Harvey Golub memorial
19 scholarship; and

20 (4) three members of the state Board of Education, or of the staff of
21 the Department of Education, or any combination of these, selected annually by the
22 board, for the Robert L. Thomas memorial scholarship.

23 * Sec. 35. AS 44.62.330(a)(4) is amended to read:

24 (4) State Board of Registration for Architects, Engineers, [AND] Land
25 Surveyors, and Landscape Architects;

26 * Sec. 36. TERMS OF NEW MEMBERS. Notwithstanding AS 08.01.035, the initial term
27 of the new member appointed under AS 08.48.011(b), as amended by sec. 3 of this Act, is one
28 year.

29 * Sec. 37. TRANSITION. Notwithstanding this Act, a person may practice landscape
30 architecture without a certificate of registration issued under AS 08.48 until 60 days after the
31 first examination for landscape architects administered in the state under AS 08.48.181, as

1 amended by this Act, has been graded.

STATE OF ALASKA

WALTER J. HICKEL, GOVERNOR

DEPARTMENT OF COMMERCE AND
ECONOMIC DEVELOPMENT

DIVISION OF OCCUPATIONAL LICENSING

P.O. BOX 110806
JUNEAU, ALASKA 99811-0806
PHONE: (907) 465-2534

April 19, 1994

Senate Finance Committee
Alaska State Legislature
State Capitol
Juneau, AK 99801-1182

Dear Committee Members:

Re: Senate Bill 305

This memo is written to insure input to the committee while deliberating on the subject bill. The Board of Registration for Architects, Engineers and Land Surveyors (AELS) has reviewed the substitute bill of SB 305 and voted by teleconference 5-to-1 in favor of passage of this substitute bill. Your positive support will be appreciated.

Sincerely,

George Davidson
for George Davidson, PE, LS.
Chairman AELS Board

GD/yd400.ol
041994a

4-19-94
Withdrawn

8-LS1617K.1
Lauterbach
4/19/94

A M E N D M E N T

OFFERED IN THE SENATE
TO: CSSB 305(L&C)

BY SENATOR KERTTULA

Page 12, line 6:

Delete "means"

Insert a new subparagraph to read:

"(A) means, except as provided in (B) of this paragraph,"

Page 12, line 10:

Delete "(A)"

Insert "(i)"

SENATE FINANCE
COMMITTEE #1
Amendment Number: #1
Bill Number: SB 305
Sponsor: KERTTULA Date: 19 APR 94
Logged in By: [Signature]

Page 12, line 12:

Delete "(B)"

Insert "(ii)"

Page 12, line 14:

Delete "(C)"

Insert "(iii)"

Page 12, line 16:

Delete "(D)"

Insert "(iv)"

Page 12, after line 17:

Insert a new subparagraph to read:

"(B) does not include activities relating to reclamation,
rehabilitation, or erosion control of land;"



SENATOR SUZANNE LITTLE

ALASKA STATE LEGISLATURE

Sponsor Statement SB 305 Landscape Architecture License

In the simplest terms, architecture is the design-art relative to **indoor** spaces, landscape architecture is the design-art relative to **outdoor** spaces. Like engineers and architects, landscape architects must be familiar with building codes, local ordinances and health and safety regulations. Like architects and engineers, landscape architects must successfully complete an accredited four to five year university education.

As professionals with accredited degrees, Landscape Architects possess skills and knowledge that other design professionals do not possess. Currently anyone in the state of Alaska can call themselves a Landscape Architect and directly compete with the competent professional. This is no more right than it is right for an unlicensed architect to design public buildings in Alaska.

Landscape Architects are licensed in 44 out of the 50 states in the United States. All of the western states require licenses.

Clear and direct relationships exist between protection of the public and the practice of Landscape Architecture. Landscape Architects are not a sub-group or a specialty of architects, engineers or surveyors but are educated, nationally tested and licensed separately from the other professionals.

Because of the lack of a licensing procedure in Alaska, more landscape architecture work is performed by out-of-state landscape architectural offices than is performed by in-state offices. Lower-48 Landscape Architects without knowledge of arctic design requirements, Alaska's plant materials, local maintenance practices or engineering practices have the edge over Alaska's experienced landscape architects simply because of our lack of a license.

I urge the committee's favorable consideration of this bill.

March 16, 1988

Senator Tim Kelly
Alaska Senate
State Capital
Juneau, Alaska 99801-3100

Dear Senator Kelly:

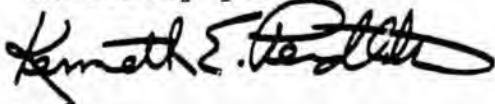
I am enclosing background materials describing the profession of landscape architecture for your information and review.

As you know, the Alaska Chapter of the American Society of Landscape Architects has sponsored a bill in support of registration of landscape architects. Our concern is that our profession does provide public and private services which relate to the public's health, safety and welfare. However, we find our services are frequently sought 'outside' from licensed professionals in Washington, Oregon and California. With 44 of the states having registration laws, including all of the western states, it is timely that Alaska take a look at registration.

We have been in direct communication with the Board of Architects, Engineers, and Land Surveyors, and will continue to work with them in developing the best possible way to incorporate landscape architectural representation on that board. The cost for administration of examinations will be born by those filing for examination, as is the case in other states holding licensing exams. We would expect registration fees to cover any additional cost for administration for the 50-100 anticipated licensees added to the Board.

I hope you will consider the materials enclosed and please discuss any questions you may have with Senator Little, who is our sponsor for this legislation. Also, please feel free to contact me at 257-2463 should you have any further questions or would like any additional information.

Sincerely yours,



Kenneth E. Pendleton, ASLA
Trustee

CC: S. Little
L. Cyra-Kocorsgard

Licensure
of
Landscape Architects

Position Papers

February 15, 1994

Cost

The Registration Board activities are supported by fees collected for Registration and Exams from Engineers, Architects and Surveyors. The total collected is well in excess of the cost for board business. Adding Landscape Architects will only increase the funds brought in.

The fees collected are currently directed . . .to the States general fund, the finance committee than allocates back to board operations significantly less than is brought in.

Landscape Architects, once represented on the registration board will help work towards a solution to this unequitable situation.

Landscape Architects propose adding two members to the board. One landscape Architect for representation and one public member to keep the board at an uneven number to alleviate a tie vote.

CLARB

A non-profit corporation whose members are the 44 state boards that register landscape architects and the British Columbia registration authority.

The mission of CLARB is to assist our member boards in the execution of their responsibilities and to foster reciprocal registration between our member boards by promoting uniform standards for education, training and examination.

Services and primary activities:

- Landscape Architect Registration Examination
- CLARB Certification
- Model Registration Laws
- International Relations
- Interprofessional Relations
- Publications/Communications

CLARB Member Board Requirements Chart — September 1992

| <i>General</i> | AL | AK | AZ | AR | CA | CO | CT | DE | FL | GA | HI | ID | IL | IN | IA | KS | KY | LA | ME | MD | MA | MI | MN | MS | VT |
|--|-----|----|------|-----|------|----|-----|------|------|-----|------|-----|-----|------|------|-----|------|-----|-----|------|-----|------|-----|-----|-----|
| Minimum age for registration | 19 | | NA | NA | 18 | | NA | NA | NA | 18 | NA | 18 | NA | 18 | NA | NA | 21 | 18 | NA | 18 | 23 | NA | 25 | 21 | 21 |
| <i>Education Requirements</i> | | | | | | | | | | | | | | | | | | | | | | | | | |
| Degree required for registration? | No | | No | No | No | | Yes | Yes | Yes | No | No | No | Yes | No | No | No | No | No | Yes | No | Yes | No | No | No | No |
| <i>Examination</i> | | | | | | | | | | | | | | | | | | | | | | | | | |
| Application deadline for new applicants | 3/1 | | 2/15 | 2/1 | 3/15 | | 4/1 | 4/12 | 3/15 | 3/1 | 3/10 | 4/1 | 1/2 | 3/15 | 3/31 | 4/1 | 3/1 | 3/1 | 3/1 | 3/16 | 3/1 | 2/15 | 4/1 | 3/1 | 3/1 |
| Application deadline for repeat applicants | 3/1 | | 2/15 | 2/1 | 3/15 | | 4/1 | 4/12 | 4/1 | 3/1 | 3/10 | 4/1 | NA | 3/15 | 3/31 | 4/1 | 4/1 | 3/1 | 3/1 | 3/16 | 3/1 | 2/15 | 4/1 | 3/1 | 3/1 |
| Proctor candidates from other states? | TBD | | Yes | No | No | | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes | Yes | Yes | TBD | Yes | No | Yes | No | Yes | Yes | Yes |
| Allow candidates to be proctored? | TBD | | Yes | TBD | No | | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | No | Yes | Yes | Yes |
| Limited number of attempts to pass? | No | | Yes | No | No | | Yes | Yes | No | No | No | No | Yes | Yes | Yes | No | Yes | Yes | No | Yes | No | No | Yes | Yes | Yes |
| State exam required? | Yes | | No | Yes | Yes | | No | No | Yes | Yes | Yes | Yes | No | No | No | Yes | No | Yes | No | No | No | No | No | No | Yes |
| <i>Reciprocity</i> | | | | | | | | | | | | | | | | | | | | | | | | | |
| CLARB Certificate Record accepted? | Yes | | Yes | TBD | No | | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes | Yes | TBD | Yes | Yes | No | Yes | Yes | Yes | Yes |
| CLARB Certificate Record required? | No | | No | No | No | | No | No | No | No | No | No | Yes | No | No | No | No | No | No | No | No | No | No | No | Yes |
| Senior Exam accepted in lieu of written? | Yes | | Yes | No | Yes | | Yes | TBD | Yes | No | No | Yes | No | No | Yes | Yes | No | No | TBD | No | No | Yes | Yes | Yes | Yes |
| Personal interview required? | No | | No | No | No | | No | No | No | No | No | No | TBD | No | No | No | No | No | Yes | No | No | No | No | TBD | No |
| State law provided with application? | Yes | | Yes | Yes | Yes | | Yes | Yes | Yes | Yes | No | No | No | Yes | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | No | Yes | Yes |
| <i>Practice</i> | | | | | | | | | | | | | | | | | | | | | | | | | |
| Type of law (P=Practice; T=Title; SC=State Certification) | P/T | | P/T | T | P/T | | P/T | T | P | P/T | P/T | T | T | T | T | P/T | P, T | P/T | T | P/T | T | T | P | P/T | T |
| Continuing Education required? | Yes | | No | No | No | | No | Yes | No | No | No | No | No | Yes | No | Yes | No | No | No | No | No | No | No | No | No |
| Corporate Practice allowed? | Yes | | Yes | No | Yes | | No | Yes | Yes | Yes | No | No | NA | Yes | No | Yes | Yes | Yes | No | Yes | No | Yes | Yes | Yes | Yes |
| Corporations register with state? | No | | Yes | NA | No | | No | Yes | Yes | Yes | NA | No | Yes | Yes | Yes | Yes | No | No | No | Yes | No | Yes | No | No | No |
| Temporary permits allowed? | Yes | | No | No | Yes | | No | No | Yes | Yes | No | No | No | Yes | No | No | No | No | No | No | No | No | No | No | No |
| Type of board | L | | C | L | L | | L | L | L | L | C | L | L | C | L | C | L | L | C | L | L | L | C | L | L |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |

CLARB Member Board Requirements Chart — September 1992

| General | NE | NV | NI | NJ | NM | NY | NC | ND | OH | OK | OR | PA | RI | SC | SD | TN | TX | UT | VT | VA | WA | WV | WI | WY |
|--|------|-----|----|-----|------|------|-----|----|-----|-----|------|-----|------|------|-----|------|-----|-----|----|------|------|-----|----|-----|
| Minimum age for registration | 21 | 21 | | NA | 29 | 21 | 18 | | 18 | 21 | NA | NA | 21 | NA | NA | NA | NA | NA | | 18 | 18 | 18 | | |
| Education Requirement | | | | | | | | | | | | | | | | | | | | | | | | |
| Degree required for registration? | Yes | Yes | | Yes | Yes | No | No | | No | Yes | Yes | Yes | Yes | Yes | No | Yes | No | No | | Yes | No | Yes | | Yes |
| Examination | | | | | | | | | | | | | | | | | | | | | | | | |
| Application deadline for new applicants | 1/13 | 3/1 | | 2/1 | 3/15 | 4/12 | 3/1 | | 3/1 | 3/1 | 3/15 | 3/1 | 3/15 | 3/15 | 3/1 | 1/15 | 2/1 | 3/1 | | 2/14 | 3/15 | 4/5 | | 3/1 |
| Application deadline for repeat applicants | 3/12 | 3/1 | | NA | 3/15 | 4/12 | 4/1 | | 5/3 | 3/1 | 3/15 | 3/1 | 3/15 | 3/15 | 5/1 | 3/15 | TBD | 3/1 | | 4/1 | 3/15 | 4/5 | | 3/1 |
| Proctor candidates from other states? | Yes | Yes | | No | Yes | No | Yes | | Yes | Yes | Yes | Yes | No | Yes | Yes | No | No | Yes | | Yes | Yes | Yes | | Yes |
| Allow candidates to be proctored? | Yes | Yes | | No | Yes | No | Yes | | Yes | Yes | Yes | Yes | TBD | Yes | Yes | No | No | Yes | | Yes | Yes | Yes | | Yes |
| Limited number of attempts to pass? | Yes | Yes | | No | Yes | Yes | No | | No | Yes | No | No | No | No | No | No | No | Yes | | Yes | Yes | Yes | | No |
| State exam required? | Yes | Yes | | Yes | No | No | No | | No | Yes | Yes | No | Yes | No | Yes | No | No | No | | No | Yes | Yes | | No |
| Reciprocity | | | | | | | | | | | | | | | | | | | | | | | | |
| CLARB Certificate Record accepted? | Yes | Yes | | Yes | Yes | Yes | Yes | | Yes | Yes | Yes | No | Yes | Yes | Yes | TBD | Yes | Yes | | Yes | Yes | Yes | | Yes |
| CLARB Certificate Record required? | No | No | | No | No | No | No | | No | No | Yes | No | No | No | Yes | No | No | No | | No | No | No | | No |
| Senior Exam accepted in lieu of written? | Yes | Yes | | TBD | Yes | Yes | Yes | | No | No | No | No | Yes | Yes | Yes | No | TBD | No | | Yes | No | Yes | | Yes |
| Personal interview required? | TBD | No | | No | No | No | No | | No | No | No | No | TBD | No | No | No | TBD | No | | No | Yes | No | | No |
| State law provided with application? | Yes | Yes | | No | Yes | Yes | Yes | | Yes | Yes | Yes | Yes | TBD | Yes | Yes | Yes | Yes | Yes | | Yes | Yes | Yes | | No |
| Practice | | | | | | | | | | | | | | | | | | | | | | | | |
| Type of law (P=Practice; T=Title; SC=State Certification) | P/T | P/T | | T | T | P/T | T | | T | P/T | T | P/T | P/T | P/T | P/T | P/T | T | P | | T | T | T | | P/T |
| Continuing Education required? | Yes | No | | Yes | Yes | No | Yes | | No | No | No | No | No | No | Yes | No | No | No | | No | No | No | | No |
| Corporate Practice allowed? | No | No | | No | No | Yes | Yes | | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | No | Yes | | Yes | No | Yes | | Yes |
| Corporations register with state? | NA | No | | Yes | Yes | Yes | Yes | | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | No | Yes | | Yes | No | Yes | | Yes |
| Temporary permits allowed? | No | No | | No | No | Yes | No | | Yes | No | No | Yes | No | Yes | No | No | No | No | | No | No | Yes | | Yes |
| Type of board L=Land. Arch. C=Combined | L | L | | L | L | L | L | | L | C | L | L | L | L | C | C | C | L | | C | L | L | | L |

CLARB Member Board Requirements Chart — September 1992

| | AL | AK | AZ | AR | CA | CO | CT | DE | FL | GA | HI | ID | IL | IN | IA | KS | KY | LA | ME | MD | MA | MI | MN | MS | MO | MT |
|---|-----|----|-----|----|-----|----|-----|----|-----|------------------|------------------|-----|-----|-----|-----|-----|-----|----|-----|-----|----|----|-----|-----|-----|-----|
| Fees | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1992 examination administration fee (In addition to base cost = \$345) | 75 | | 142 | 50 | 0 | | 40+ | 0 | 490 | 60 | 325 ¹ | 10 | 100 | 69 | 65 | 27 | 90 | 50 | 210 | 25 | 60 | 30 | 20 | 60 | 50 | 55+ |
| Application fee for reciprocal registration | 75 | | 90 | 20 | 325 | | 30 | 10 | 150 | 105 ² | 50 | 100 | 100 | 100 | 100 | 372 | 200 | 35 | 300 | 100 | 65 | 30 | 100 | 250 | 195 | 125 |
| Annual in-state license renewal fees | 100 | | 42 | 60 | 150 | | 80 | 75 | 225 | 100 | 90 | 80 | 100 | 20 | 87 | 15 | 100 | 35 | 60 | 200 | 50 | 40 | 29 | 72 | 95 | 110 |
| Fee to complete a license verification form | 0 | | 0 | 0 | 0 | | 0 | 10 | 25 | 0 | 0 | 0 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | | 16 | 15 | 0 | 0 | 0 | 0 |

| | NE | NV | NH | NJ | NM | NY | NC | ND | OH | OK | OR | PA | RI | SC | SD | TN | TX | UT | VT | VA | WA | WV | WI | WY | BC |
|---|----|------------------|----|-----|-----|-----|-----|----|-----|-----------------|-----|----|-----|-----|-----|-----|------------------|----|----|----|-----|----|----|-----|------------------|
| Fees | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1992 examination administration fee (In addition to base cost = \$345) | 25 | 250 ³ | | 0 | 65 | 30 | 55 | | 0 | 75 | 200 | 29 | 75 | 50 | 5 | 75 | TBD ⁴ | 60 | | 30 | 205 | 20 | | 50 | 170 ⁶ |
| Application fee for reciprocal registration | 50 | 200 | | 80 | 200 | 270 | 100 | | TBD | 100 | 125 | 45 | 100 | 125 | 100 | 100 | 25 | 60 | | 75 | 200 | 35 | | 100 | NA |
| Annual license renewal fees | 65 | 130 | | 125 | 100 | 52 | 75 | | 50 | 75 ⁵ | 125 | 63 | 40 | 58 | 30 | 30 | 70 ⁵ | 60 | | 53 | 150 | 40 | | 25 | 120 |
| Fee to complete a license verification form | 0 | 0 | | 25 | 0 | 20 | 0 | | 0 | 0 | 0 | 15 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 45 | 0 | | 0 | 0 |

¹ HI: \$325.00 for entire exam.

² GA: \$25.00 application fee + \$80.00 license fee.

³ NV: \$250.00 for entire exam.

⁴ OK \$150.00 biennial fees (every two years); prorated to \$75.00 for second year of biennial period.

⁵ TX: Non-resident renewal fee — \$100.00; Resident — \$70.00; Emeritus — \$10.00.

⁶ BC: \$515 for entire exam; or \$85 + per section cost.

**Programs in Landscape Architecture
UNIVERSITY OF OREGON**

Undergraduate and Graduate Programs:

Course work includes the study of the land and its processes, geology, hydrology, ecology, plants, landscape technologies and construction practices, landscape history, theory, and literature. These areas are integrated in the study of design, the process of environmental understanding, giving order and form to environmental transformations.

Degrees:

BLA & MLA Programs (Undergraduate 5 yr. program and Graduate program is accredited by the American Society of Landscape Architects)

Subjects:

The study of landscape architecture includes course selections from five professional core subject areas:

A. Landscape Architectural Technology

Courses include construction, grading, drainage, irrigation design, design of small structures, professional practice, fundamentals of architecture, materials and process construction.

B. Plant Materials, Communities, and Design

Courses include botany, plant physiology, plant identification, planting design and theory, nursery practice, forest biology, landscape maintenance.

C. Landscape Analysis and Planning

Courses include landscape planning and analysis, site analysis & design, soils genesis, geography, hydrology and water resources, environmental planning and public policy, etc.

D. History, Literature and Theory of Landscape Architecture

Courses include history of North American Landscapes, land and the landscape, the garden, national parks, contemporary American landscapes, landscape preservation.

E. Media Courses

Courses include CADD, computer technologies, and media for design development.