

APPENDIX H. ASTM FRICTIONAL SKID RESISTANCE TEST DATA

ABERDEEN PROVING GROUND
FRictional SKID RESISTANCE TESTING
ASTM E-274 - 90 / ASTM E-1337 - 90 (Reapproved 1996)

↑ CH 129

DATE OF TESTING : 09/17/98 **PAGE:** 1/1
TARGET SPEED : 40 MPH **TEST WHEEL :** LEFT

TEST SITE : RUNWAY 22 & 17
PAVEMENT TYPE : ASPHALT
TEST TYPE : DRY
COMMENTS : ASTM E 1337 - 90

TEST NUMBER	PEAK VALUE	TEST SPEED	AIR TEMP
1	95.7	40.1	82
2	97.0	40.4	82
3	96.8	39.6	80
4	96.2	39.3	80
5	92.2	39.5	80
6	94.3	39.8	80
7	94.0	40.0	80
8	93.8	40.0	82
9	94.4	40.8	80
10	94.5	39.9	80

TEST SITE : RUNWAY 22 & 17
PAVEMENT TYPE : ASPHALT
TEST TYPE : WET
COMMENTS : ASTM E 1337 - 90

TEST NUMBER	PEAK VALUE	TEST SPEED	AIR TEMP
1	84.6	40.3	86
2	84.7	39.6	86
3	87.6	39.5	84
4	87.2	39.7	84
5	87.2	40.0	84
6	89.0	39.3	82
7	85.4	40.4	87
8	86.9	39.4	87
9	88.5	39.3	82
10	87.8	40.0	82

TEST SITE : RUNWAY 22
PAVEMENT TYPE : ASPHALT
TEST TYPE : DRY
COMMENTS : ASTM E 1337 - 90

TEST NUMBER	PEAK VALUE	TEST SPEED	AIR TEMP
1	91.2	39.1	82
2	94.8	39.1	82
3	94.9	39.1	82
4	93.7	39.1	82
5	93.2	39.1	82
6	92.4	39.1	82
7	94.6	39.1	82
8	93.4	39.1	82
9	94.4	39.1	82
10	94.5	39.1	82

TEST SITE : RUNWAY 22
PAVEMENT TYPE : ASPHALT
TEST TYPE : WET
COMMENTS : ASTM E 1337 - 90

TEST NUMBER	PEAK VALUE	TEST SPEED	AIR TEMP
1	83.6	39.5	87
2	85.3	40.6	86
3	87.8	40.3	86
4	87.2	40.4	86
5	88.3	40.4	84
6	86.8	40.4	84
7	86.9	40.8	84
8	87.3	40.1	84
9	89.4	39.8	84
10	86.9	39.8	84

ABERDEEN PROVING GROUND			
FRictionAL SKID RESISTANCE TESTING			
ASTM E 274 - 90 / ASTM E 1337 - 90 (Reapproved 1996)			
DATE OF TESTING :	10/01/98	PAGE:	1/2
TARGET SPEED :	40 MPH	TEST WHEEL :	LEFT

TEST SITE : RUNWAY 22 & 17
PAVEMENT TYPE : ASPHALT
TEST TYPE : DRY
COMMENTS : ASTM E 1337 - 90

TEST NUMBER	PEAK VALUE	TEST SPEED	AIR TEMP
1	93.4	39.4	78
2	94.3	40.3	76
3	94.3	40.7	78
4	94.6	39.9	78
5	93.7	39.2	78
6	93.5	39.9	77
7	92.2	39.9	77
8	93.7	39.4	77
9	93.7	39.7	77
10	92.3	40.3	77

TEST SITE : RUNWAY 22 & 17
PAVEMENT TYPE : ASPHALT
TEST TYPE : WET
COMMENTS : ASTM E 1337 - 90

TEST NUMBER	PEAK VALUE	TEST SPEED	AIR TEMP
1	86.4	39.7	75
2	85.6	39.7	75
3	85.4	39.5	75
4	85.9	39.6	75
5	85.6	41.0	75
6	84.8	40.3	75
7	85.8	39.4	75
8	86.8	39.2	75
9	85.5	39.7	75
10	86.9	40.6	75

TEST SITE : RUNWAY 17
PAVEMENT TYPE : JENNITE
TEST TYPE : WET
COMMENTS : ASTM E 1337 - 90

TEST NUMBER	PEAK VALUE	TEST SPEED	AIR TEMP
1	59.4	40.6	78
2	45.7	40.4	69
3	45.6	40.1	73
4	59.4	40.1	73
5	46.5	40.2	73
6	59.4	40.5	73
7	44.0	39.9	73
8	45.6	39.7	73
9	45.5	39.3	73
10	47.0	40.2	73

TEST SITE : RUNWAY 17
PAVEMENT TYPE : ASPHALT
TEST TYPE : WET
COMMENTS : ASTM E 1337 - 90

TEST NUMBER	PEAK VALUE	TEST SPEED	AIR TEMP
1	75.2	40.6	84
2	74.8	39.1	84
3	74.9	40.0	84
4	74.9	40.5	75
5	75.6	39.6	75
6	75.5	40.7	75
7	75.5	40.5	75
8	76.0	40.0	75
9	75.6	39.7	73
10	76.3	40.1	75

ABERDEEN PROVING GROUND
FRictional SKID RESISTANCE TESTING
ASTM E 274-90 / ASTM E 1337-90 (Reapproved 1990)

DATE OF TESTING : 11/09/98 **PAGE:** 1/1
TARGET SPEED : 40 MPH **TEST WHEEL :** LEFT

TEST SITE : RUNWAY 22 & 17
PAVEMENT TYPE : ASPHALT
TEST TYPE : DRY
COMMENTS : ASTM E 1337 - 90

TEST NUMBER	PEAK VALUE	TEST SPEED	AIR TEMP
1	89.7	39.7	53
2	88.8	39.3	53
3	91.5	40.0	53
4	90.7	40.7	53
5	93.6	39.7	53
6	92.0	40.4	53
7	89.9	40.8	53
8	90.3	40.2	53
9	88.8	40.3	53
10	89.2	40.1	53

TEST SITE : RUNWAY 22 & 17
PAVEMENT TYPE : ASPHALT
TEST TYPE : WET
COMMENTS : ASTM E 1337 - 90

TEST NUMBER	PEAK VALUE	TEST SPEED	AIR TEMP
1	87.8	40.3	53
2	87.5	41.0	53
3	86.3	40.6	53
4	85.6	40.8	53
5	86.3	40.9	53
6	86.8	40.7	53
7	87.4	40.7	53
8	87.2	41.0	53
9	86.5	39.8	53
10	86.1	40.5	53

TEST SITE : RUNWAY 17 (LARGE RADIUS)
PAVEMENT TYPE : JENNITE
TEST TYPE : WET
COMMENTS : ASTM E 1337 - 90

TEST NUMBER	PEAK VALUE	TEST SPEED	AIR TEMP
1	32.2	39.5	55
2	31.1	39.2	55
3	32.3	40.0	55
4	35.4	40.4	55
5	35.8	40.5	55
6	31.7	40.1	55
7	36.7	39.8	55
8	31.1	38.7	53
9	30.5	39.5	53
10	33.9	40.4	53

TEST SITE : RUNWAY 17 (SMALL RADIUS)
PAVEMENT TYPE : JENNITE
TEST TYPE : WET
COMMENTS : ASTM E 1337 - 90

TEST NUMBER	PEAK VALUE	TEST SPEED	AIR TEMP
1	41.7	40.9	53
2	37.7	40.3	53
3	36.8	39.6	53
4	36.9	39.6	53
5	40.3	40.4	53
6	32.8	40.6	53
7	37.1	40.8	53
8	37.9	40.8	53
9	34.3	40.9	53

