

SWING BRIDGE

for Clarinet in B \flat , Audio Processing, Color Video, and Digital Sound

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SWING BRIDGE

Audio Processing Settings:

These settings were developed on the Digitech TSR-24, which provides reverb, chorusing, digital delay, and pitch transposition. The settings are explained in detail so that they may be replicated on other equipment.

There are four settings for the piece, used a total of 13 times during the performance. Some changes must be made quickly, so it is necessary to use a foot-pedal controller or a human assistant.

- ① Reverb: 1.05 seconds.
- ② Reverb: 2.1 seconds.
- ③ 2-tap digital delay: 300 ms and 450 ms, level 100%, feedback (regeneration) 50%.
- ④ Chorus: delay 30 ms (optional), speed .4 Hz, depth 8.25 ms, waveform Δ .
Dual pitch transposition: -5, -7 (generate two pitches: down 5 semi-tones, down 7 semi-tones).
1-tap digital delay: 50 ms, level 50%, feedback (regeneration) 10%.

The unprocessed signal from the clarinet microphone, and the processed signal, should be routed separately to a sound-system mixer. The balance between the two should be set so that the two signals are almost equal, with the unprocessed signal just slightly louder.

Section Numbers:

The tape part was produced in 19 sections that are numbered in the score. Knowledge of the individual sections will be helpful in learning the piece. Some of the sections are notated imprecisely and may be difficult to follow in the score. Therefore, each section is announced and presented separately on the rehearsal audiocassette.

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1. 1 $\bullet = 132$ 2. $\bullet = 144$

Clarinet in Bb

Tape (in Bb)

mf *f* *mf* *mp* *f*

mp *f* *n.* *p* *f*

:03 :10

mp
muddy

p

:22

3.

tremolo - other notes

mf *f* *mp*

mp *mf* *f* *mf*

:29

4. *freely* *fff* *f* flutter tongue *fff* 5. *f*

fff *f* *fff* *f*

f *mf* *f*

:35

6. rebound tongue
improvise rapid, uneven notes—like Morse code

mf *f* *mf*

heavy tremolo

mf *mp*

:43 :49

dreamlike, funky, tentative

7. 2

Musical notation for measures 7-8 of system 1. Treble clef has a triplet of eighth notes. Bass clef has a piano (*f*) dynamic marking.

Musical notation for measures 9-12 of system 2. Treble clef has triplet markings. Bass clef has piano markings.

Musical notation for measures 13-16 of system 3. Treble clef has dynamics *ff*, *mp*, *mf*, and *dia.* Bass clef has *mf* dynamic.

1:10

Musical notation for measures 17-20 of system 4. Treble clef has *mp* and *dia.* dynamics. Bass clef has piano markings.

Musical notation for measures 21-24 of system 5. Treble clef has *growl ad lib.* marking. Bass clef has *f* dynamic.

9. 3

continuous $\%$, very fast

flutter tongue

ff *mf* *mf* *mp* *f*

continuous $\%$, very fast

continuous $\%$, very fast

ff *p* *ff* *mf*

distant

n.

12 13 14 15 16 17 18 19 20 21 22 23

1:54

10. 1

sfz mp *f* *mf* *f*

mf

mp *mf < f* *mp* *mf*

11.

mp *mf* *mp*

very amorphous and indistinct

mf

2:15

4 *diatonic, with slide*

mp mp mf

add vib. 2

mp

2:37

12.

f ff f

7 8 9 10 11 12 13

mf *indistinct* *mp* *mp* *clear*

4

14 15 16 17 18 19 20 21

p *pp*

2:58

13. *dia.*

f *p* *f* *p* *mf*

ff *p* *ff* *p*

f *p* *mf* *p*

f *mf* *mf*

vib., port.

mp *mp*

p *f* *p* *mf*

mf *mf*

mf

f *mf* *p*

f *mf* *p*

indistinct

15. 1

mf < *f* *f* *mf*

mf

2

ff *f* *mp*

4:02

16. ♩ = 168

f glide between notes (portamento) *mf*

1

ff no glide

17. $\bullet = 172$

First system of musical notation (measures 17-20). The right-hand part features a melodic line with triplets and slurs, starting with a forte (*f*) dynamic. The left-hand part provides a harmonic accompaniment with a forte (*f*) dynamic.

Second system of musical notation (measures 21-24). The right-hand part continues with melodic lines and triplets. The left-hand part has a dynamic marking of *f* in measure 22.

Third system of musical notation (measures 25-28). The right-hand part features multiple triplet patterns. The left-hand part includes a chord marking *IV6* in measure 26.

Fourth system of musical notation (measures 29-32). Measure 29 is marked *ff*. Measure 30 has a tempo marking $\bullet = 192$. Measure 31 includes the instruction *fltg. grad. ... ord.* and a dynamic marking *mf*. The system ends with a 4/4 time signature.

Fifth system of musical notation (measures 33-36). Measure 33 includes the instruction *fltg. grad. ... ord.* and a boxed measure number **1**. Dynamics include *mp* and *p* in the left hand, and *(mf)* and *mp* in the right hand.

19. ♩ = 152-160

First system of musical notation. The upper staff (treble clef) contains a melodic line with eighth and sixteenth notes, including accents (>) and a dynamic marking of *mp*. The lower staff (piano clef) provides a harmonic accompaniment with eighth notes.

Second system of musical notation. The upper staff continues the melodic line with a dynamic marking of *f*. The lower staff continues the accompaniment.

Third system of musical notation. The upper staff features a melodic line with a dynamic marking of *ff* and a fermata over a note. The lower staff continues the accompaniment.

Fourth system of musical notation. The upper staff begins with a fermata and a dynamic marking of *chr. gl.* (crescendo). The melodic line continues with eighth notes and accents. The lower staff continues the accompaniment.

Fifth system of musical notation. The upper staff features a melodic line with a dynamic marking of *mp* that transitions to *ff*. The lower staff features a dynamic marking of *p* that transitions to *ff*. The system concludes with a double bar line.