

Gregory J. Hutter

# Electric Traction

*for Orchestra*

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## Instrumentation

Piccolo  
2 Flutes  
2 Oboes  
English Horn  
2 Bb Clarinets  
Bb Bass Clarinet  
2 Bassoons  
Contrabassoon  
  
4 F Horns  
3 C Trumpets  
2 Trombones (*all trombone mutes are straight mutes*)  
Bass Trombone  
Tuba  
  
Timpani

### Percussion (3 players)

*Player 1:* Snare Drum (*regular*), Suspended Cymbal (*large*),\* Tambourine, Hi-Hat, Tam-Tam (*large*), Slapstick, Field Drum, Glockenspiel.

*Player 2:* Vibraphone, Slapstick, Xylophone, Snare Drum (*regular*), Crotales.

*Player 3:* Marimba, Suspended Cymbal, Vibraphone.

\*All cymbal rolls should be played on the *large* suspended cymbal with soft mallets, unless otherwise indicated.

Harp

Piano (doubles Celesta)

Strings

## Score in C

(Octave transpositions as usual for Piccolo, Contra Bassoon, Glockenspiel, Xylophone, Celesta, and Contra Bass).

*Premiere performance by the Minnesota Orchestra at the 2004 Minnesota Composer Institute;  
Mischa Santora, Conductor.*

*Recorded by the Moravian Philharmonic Orchestra;  
Andreas Hérm Baumgartner, Conductor  
on Naxos 8.559349.*

## Program Notes

*Electric Traction* (2002) is the second offering in a trilogy of urban-inspired symphonic works, which was preceded by *Skyscrapers* (2001), and followed by *Urban Collision* (2003). The work reflects the spirit of Honegger's *Pacific 231*, and was initially inspired while traveling from Chicago to Michigan City, Indiana via the Chicago South Shore Line. I have always been somewhat of an "arm-chair" train buff, so naturally I took great delight in composing a train-inspired orchestral work. The South Shore Line actually holds a unique title in railroad history, as it is the last surviving electric interurban commuter railway left in the United States. The 88-mile line runs from Chicago's bustling loop, through the Northern Indiana industrial complex, to South Bend, Indiana.

This piece is not so much "programmatic," though it *is* loosely inspired by some of the aforementioned ideas. Train sounds are to some degree depicted musically—which is demonstrated throughout by the "spinning out" of various motoric and textural devices at a very high rate of speed—but they are certainly not the only basis for composition. I have also attempted to capture the essence of various pastoral settings: rolling sand dunes and prairie landscapes, which are in turn—juxtaposed with the more mechanical "urban" imagery of steels mills and towering skyscrapers.

—Gregory J. Hutter  
Chicago, Illinois (2002)

## Publisher's Note

The parts are available on rental.

Score in C

# Electric Traction

*for Orchestra*

Gregory J. Hutter

**Driving; Fast and Furious!  $\text{J}=140$**

Score details: The score consists of two systems of music. The first system, spanning from the top to the middle of the page, includes parts for Piccolo, Flute 1-2, Oboe 1-2, English Horn, Clarinet in Bb 1-2, Bass Clarinet, Bassoon 1-2, Contrabassoon, Horn in F 1-2, Horn in F 3-4, Trumpet in C 1, Trumpet in C 2-3, Trombone 1-2, Bass Trombone, Tuba, Timpani, Percussion 1 (Snare with brushes, Vibraphone (hard yarn mallets), Marimba (hard yarn mallets)), Percussion 2 (Shostakovich), Percussion 3 (dead stroke), Harp, and Piano. The second system, at the bottom, includes parts for Violin I, Violin II, Viola, Violoncello, and Double Bass. The piano part includes dynamic markings such as ffz secco. The entire score is set in common time with a tempo of  $\text{J}=140$ .

**Driving; Fast and Furious!  $\text{J}=140$**

Score details: This section of the score continues the driving, fast-paced style. It features parts for Violin I, Violin II, Viola, Violoncello, and Double Bass. The instrumentation includes non div. pizz. (pizzicato), arco (bowing), ff (fortissimo), divisi arco (divided bowing), and (pizz.) (pizzicato). The tempo remains  $\text{J}=140$ .



A page from a musical score for orchestra and piano. The page is filled with black musical notation on five-line staves. The instruments listed on the left include Picc., Fl. 1-2, Ob. 1-2, E. Hn., Bb Cl. 1-2, B. Cl., Bsn. 1-2, C. Bn., Hn. 1-2, Hn. 3-4, C Tpt. 1, C Tpt. 2-3, Tbn. 1-2, B Tbn., Tba., Timp., Perc. 1, Perc. 2, Perc. 3, Hp., Pno., Vln. I, Vln. II, Vla., Vc., and Cb. A large, diagonal watermark reading "Perusal Score Only Not For Performance" is overlaid across the page.

**A**

Perusal Score Only  
Not for Performance

**A**

Picc.

(8va)

Fl. 1-2

Ob. 1-2

E. Hn.

Bb Cl. 1-2

B. Cl.

Bsn. 1-2

C. Bn.

Hn. 1-2

Hn. 3-4

C Tpt. 1

C Tpt. 2-3

Tbn. 1-2

B Tbn.

Tba.

Timp.

Perc. 1

Perc. 2

Perc. 3

Hp

Pno.

Vln. I

Vln. II

Vla.

Vc.

Cb.

**Perusal Score Only  
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This page contains a musical score for a full orchestra. The instrumentation includes Piccolo, Flute 1-2, Oboe 1-2, English Horn, Bassoon 1-2, Clarinet 1-2, Bassoon 1-2, Bassoon 1-2, Horn 1-2, Horn 3-4, C Trumpet 1, C Trumpet 2-3, Trombone 1-2, Bass Trombone, Tuba, Timpani, Percussion 1, Percussion 2, Percussion 3, Horn, Piano, Violin I, Violin II, Viola, Cello, and Double Bass. The score is in 20 measures. A large diagonal watermark reading "Perusal Score Only Not for Performance" is overlaid across the page.

Picc.

Fl. 1-2

Ob. 1-2

E. Hn.

Bb Cl. 1-2

B. Cl.

Bsn. 1-2

C. Bn.

Hn. 1-2

Hn. 3-4

C Tpt. 1

C Tpt. 2-3

Tbn. 1-2

B Tbn.

Tba.

Timp.

Perc. 1

Perc. 2

Perc. 3

Hp.

Pno.

Vln. I

Vln. II

Vla.

Vc.

Cb.

**B** Mechanical!

B Mechanical!

divisi a3

Vln. I

Vln. II

Vla.

Vc.

Cb.

*sffz p*

*f*

*(f)*

*mf (sub.)*

*at the frog*

**Perusal Score Only  
Not For Performance**



A page from a musical score for orchestra and piano. The page is filled with musical notation on multiple staves, including parts for Picc., Fl. 1-2, Ob. 1-2, E. Hn., Bb Cl. 1-2, B. Cl., Bsn. 1-2, C. Bn., Hn. 1-2, Hn. 3-4, C Tpt. 1, C Tpt. 2-3, Tbn. 1-2, B Tbn., Tba., Timp., Perc. 1, Perc. 2, Perc. 3, Hp., Pno., Vln. I, Vln. II, Vla., Vc., and Cb. A large, diagonal watermark reading "Perusal Score Only" is overlaid across the page.

**D**

**D**

Picc. *sffz sub. f* (flutter tongue)

Fl. 1-2 *ff sub. f* (flutter tongue) *sffz sub. f* (flutter tongue) *sffz*

Ob. 1-2 *f* *sffz* *f* *sffz*

E. Hn. *f* *sffz* *f* *sffz*

Bb Cl. 1-2 *f* *sffz* *f* *sffz*

B. Cl. *f* *sffz* *f* *sffz*

Bsn. 1-2 *f* *a2* *sffz* *f* *sffz*

C. Bn. *f* *sffz* *f* *sffz*

Hn. 1-2 *brassy!* *ff* *sffz* *ff* *sffz*

Hn. 3-4 *brassy!* *ff* *sffz* *sffz*

C Tpt. 1 *sffz*

C Tpt. 2-3 *sffz*

Tbn. 1-2 *f* *sffz* *f* *sffz*

B Tbn. *fp* *mf* *f*

Tba. *fp* *mf* *f*

Timp. *sffz*

Perc. 1 *lv.* *mf* *mfp* *sffz* (Tambourine (knee))

Perc. 2 *f* *fz* *f* *sffz*

Perc. 3 *mf* *sffz* *sf*

Hp. *f*

Pno. *sffz* *f* *sffz* *sffz*

Vln. I *sffz* *f* *sffz* *f* *sffz* *mf*

Vln. II *sffz* *f* *sffz* *f* *sffz* *mf*

Vla. *sffz* *divisi* *f* *sffz* *f* *sffz* *mf*

Vc. *f* *pizz.* *f* *sffz* *f* *mf* (subito)

Cb. *f* *sffz* *f* *sffz*

51

Picc.

Fl. 1-2

Ob. 1-2

E. Hn.

Bb Cl. 1-2

B. Cl.

Bsn. 1-2

C. Bn.

51

Hn. 1-2

Hn. 3-4

C Tpt. 1

C Tpt. 2-3

Tbn. 1-2

B Tbn.

Tba.

Timp.

Perc. 1

Perc. 2

Perc. 3

Hp

Pno.

**Perusal Score Only  
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51

Vln. I

Vln. II

Vla.

Vc.

Cb.

**E**

Picc.

Fl. 1-2

Ob. 1-2

E. Hn.

Bb Cl. 1-2

B. Cl.

Bsn. 1-2

C. Bn.

Hn. 1-2

Hn. 3-4

C Tpt. 1

C Tpt. 2-3

Tbn. 1-2

B Tbn.

Tba.

Timp.

Perc. 1

Perc. 2

Perc. 3

Hp.

Pno.

**E**

Vln. I

Vln. II

Vla.

Vc.

Cb.

**F Slower  $\text{♩} = 125-130$**

**Perusal Score Only**

**Not For Performance**

**F Slower  $\text{♩} = 125-130$**



G

Picc.

Fl. 1-2

Ob. 1-2

E. Hn.

Bb Cl. 1-2

B. Cl.

Bsn. 1-2

C. Bn.

Hn. 1-2

Hn. 3-4

C Tpt. 1

C Tpt. 2-3

Tbn. 1-2

B Tbn.

Tba.

Timp.

Perc. 1

Perc. 2

Perc. 3

Hp

Pno.

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G

Vln. I

Vln. II

Vla.

Vc.

Cb.

*Perusal Score Only  
Not for Performance*

Picc.

Fl. 1-2

Ob. 1-2

E. Hn.

Bb Cl. 1-2

B. Cl.

Bsn. 1-2

C. Bn.

Hn. 1-2

Hn. 3-4

C Tpt. 1

C Tpt. 2-3

Tbn. 1-2

B Tbn.

Tba.

Timp.

Perc. 1

Perc. 2

Perc. 3

Hp.

Pno.

Vln. I

Vln. II

Vla.

Vc.

Cb.

H

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78

1-2

3-4

pt. 1

2-3

1-2

Tbn.

Tba.

imp.

rc. 1

rc. 2

rc. 3

Hp.

Pno.

78

2.

4.

Metal Straight Mute

Metal Straight Mute

78

Snare Crash

mf

sffz

f

fp

fp

78

glissando

f

(dead stroke)

cresc.

C ♯

80

f

sffz

**I**

Picc.

Fl. 1-2

Ob. 1-2

E. Hn.

Bb Cl. 1-2

B. Cl.

Bsn. 1-2

C. Bn.

Hn. 1-2

Hn. 3-4

C Tpt. 1

C Tpt. 2-3

Tbn. 1-2

B Tbn.

Tba.

Tim.

Perc. 1

Perc. 2

Perc. 3

Hp

Pno.

**I**

Vln. I

Vln. II

Vla.

Vc.

Cb.

J Tempo I  $\text{♩} = 140$ 

Picc. *fff* *f* *sffz* *mf* *sffz* *mf* *sffz* *mf* *p (subito)*

Fl. 1-2 *fff* *f* *sffz* *mf* *sffz* *mf* *sffz* *mf* *p (subito)*

Ob. 1-2 *f* *sffz* *a2* *mf* *sffz* *mf* *sffz* *mf* *p (subito)*

E. Hn. *s* *f* *sffz* *a2* *mf* *sffz* *mf* *sffz* *mf* *p (subito)*

Bb Cl. 1-2 *f* *sffz* *a2* *mf* *sffz* *mf* *sffz* *mf* *p (subito)*

B. Cl. *f* *sffz* *a2* *mf* *f* *fp* *f* *f*

Bsn. 1-2 *f* *sffz* *a2* *mf* *f* *fp* *f* *f*

C. Bn. *f* *sffz* *a2* *mf* *f* *fp* *f* *f*

Hn. 1-2 *fff* *mf* *fff* *mf* *fff* *mf* *sffz* *f*

Hn. 3-4 *fff* *mf* *fff* *mf* *fff* *mf* *fff* *f*

C Tpt. 1 *ff* *ff* *ff* *ff*

C Tpt. 2-3 *ff* *ff* *ff* *ff* *ff* *p*

Tbn. 1-2 *ff* *ff* *ff* *ff* *ff* *ff*

B Tbn. *ff* *ff* *ff* *ff* *ff* *ff*

Tba. *ff* *ff* *ff* *ff* *ff* *ff*

Tim. *ff* *ff* *ff* *ff* *ff* *ff*

Field Drum (hard sticks) *ff* *ff* *ff* *ff* *ff* *ff*

Perc. 1 *ff* *ff* *ff* *ff* *ff* *ff*

Perc. 2 *sffz* *glissando 7* *mf* *mf* *sffz* *sffz* *sffz* *sffz*

Perc. 3 *sffz* *f* *mf* *mf* *sffz* *sffz* *sffz* *sffz*

Hp *pres de la tabla* *sffz* *sffz* *sffz* *sffz* *F<sup>#</sup>* *G<sup>#</sup>* *G<sup>3</sup>*

Pno. *sffz* *sffz* *sffz* *sffz* *sffz* *sffz* *sffz* *sffz*

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J Tempo I  $\text{♩} = 140$ 

Vln. I *sffz* *f* *sffz* *f* *sffz* *f* *sffz* *f*

Vln. II *sffz* *f* *sffz* *f* *sffz* *f* *sffz* *f* *on the string*

Vla. *divisi* *sffz* *f* *sffz* *f* *sffz* *f* *divisi* *p* *divisi* *p*

Vc. *divisi* *sffz* *f* *sffz* *f* *sffz* *f* *divisi* *p*

Cb. *divisi* *sffz* *f* *sffz* *f* *sffz* *f* *divisi* *p*

A page from a musical score for orchestra and piano. The page shows staves for various instruments: Picc., Fl. 1-2, Ob. 1-2, E. Hn., Bb Cl. 1-2, B. Cl., Bsn. 1-2, C. Bn., Hn. 1-2, Hn. 3-4, C Tpt. 1, C Tpt. 2-3, Tbn. 1-2, B Tbn., Tba., Timp., Perc. 1, Perc. 2, Perc. 3, Hp., and Pno. The music is primarily for woodwind instruments, with dynamic markings like *mf*, *f*, *pp*, and *(mp)*. A large, diagonal watermark reading "Perusal Score Only" is overlaid across the page.

81

*on the string*

**Vln. I**

***fp***

*on the string*

**Vln. II**

***fp***

**Vla.**

**Vc.**

**Cb.**

*pizz.*  $\frac{1}{2}$

***ffz***

**K Mechanical**

Picc.

Fl. 1-2

Ob. 1-2

E. Hn.

Bb Cl. 1-2

B. Cl.

Bsn. 1-2

C. Bn.

**K Mechanical**

Hn. 1-2

Hn. 3-4

C Tpt. 1

C Tpt. 2-3

Tbn. 1-2

B Tbn.

Tba.

Timp.

Perc. 1

Perc. 2

Perc. 3

Hp.

Pno.

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**K Mechanical**

Vln. I

Vln. II

Vla.

Vc.

Cb.

*fp*

*fp*

*fp*

*fp*

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**M** With abandon

Picc.

Fl. 1-2

Ob. 1-2

E. Hn.

Bb Cl. 1-2

B. Cl.

Bsn. 1-2

C. Bn.

Hn. 1-2

Hn. 3-4

C Tpt. 1

C Tpt. 2-3

Tbn. 1-2

B Tbn.

Tba.

Timp.

Perc. 1

Perc. 2

Perc. 3

Hp

Pno.

**Perusal Score Only  
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**M** With abandon

Vln. I

Vln. II

Vla.

Vc.

Cb.

**Perusal Score Only  
Not For Performance**



**O Preciso**

126

**Perusal Score Only  
Not for Performance**

**O Preciso**

126

**Perusal Score Only**

**Perusal Score Only  
Not For Performance**

Q Lontano  $\downarrow = 50-55$ 

Picc.

Fl. 1-2

Ob. 1-2

E. Hn.

Bb Cl. 1-2

B. Cl.

Bsn. 1-2

C. Bn.

This page shows measures 139 of the score. The woodwind section includes Piccolo, Flute 1-2, Oboe 1-2, English Horn, Bassoon 1-2, and Clarinet 1-2. The brass section includes Trombone 1-2, Bass Trombone, Tuba, and Timpani. Dynamics include *fp*, *mf*, *pp*, and *1. Solo*.

Hn. 1-2

Hn. 3-4

C Tpt. 1

C Tpt. 2-3

Tbn. 1-2

B Tbn.

Tba.

Timp.

Perc. 1

Perc. 2

Perc. 3

Hp

Pno.

This page shows measures 139 of the score. The brass section includes Horn 1-2, Horn 3-4, Cornet 1, Cornet 2-3, Trombone 1-2, Bass Trombone, Tuba, and Timpani. The percussion section includes Tam-Tam, Gong (hard plastic mallets), Crotale, Vibraphone (soft mallets), Xylophone, Celesta, and a measured glissando. Dynamics include *ff*, *fff*, *ppp*, *mf*, *pp*, *p*, *mp*, *Ly.*, and *Lv.*

Q Lontano  $\downarrow = 50-55$ 

Vln. I

Vln. II

Vla.

Vc.

Cb.

This page shows measures 139 of the score. The string section includes Violin 1, Violin 2, Viola, Cello, and Double Bass. Dynamics include *ff*, *fp*, *mf*, *pp* (con sordino), *ppp* (con sordino), *pp* (divisi), *p*, *mf*, *pp*, *(p)*, and *pp*.

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*Perusal Score Only  
Not For Performance*

**Perusal Score Only  
Not For Performance**

151 R

Picc.

Fl. 1-2

Ob. 1-2

E. Hn.

Bb Cl. 1-2

B. Cl.

Bsn. 1-2

C. Bn.

Hn. 1-2

Hn. 3-4

C Tpt. 1

C Tpt. 2-3

Tbn. 1-2

B Tbn.

Tba.

Timp.

Perc. 1

Perc. 2

Perc. 3

Hp.

Pno.

Vln. I

Vln. II

Vla.

Vc.

Cb.



**S** Molto Intenso ♩ = 80

**Perusal Score Only**

**Not for Performance**

Molto Intenso  $\text{♩} = 80$

Picc.

Fl. 1-2

Ob. 1-2 *a niente*

E. Hn.

Bb Cl. 1-2

B. Cl.

Bsn. 1-2

C. Bn.

Hn. 1-2

Hn. 3-4

C Tpt. 1

C Tpt. 2-3

Tbn. 1-2

B Tbn.

Tba.

Timp. *(p)* *(sforzando)* *(mp)* *(Tam-Tam)*

Perc. 1 *pp* *(mp)*

Perc. 2

Perc. 3 *(sus cym)* *(mp)*

Hp. *mp* *(mf)* *f*

Pno. *mp* *sforzando* *(to piano)*

**S** Molto Intenso  $\text{♩} = 80$

Vln. I *mp* *poco cresc.* *(mf)*

Vln. II *mp* *poco cresc.* *(mf)*

Vla. *mp* *poco cresc.* *(mf)*

Vc. *mp* *poco cresc.* *(mf)*

Cb. *mp* *poco cresc.* *(mf)*

**T** Tempo I; Aggressively  $\text{♩} = 140$

Musical score page 1 showing parts for Picc., Fl. 1-2, Ob. 1-2, E. Hn., Bb Cl. 1-2, B. Cl., Bsn. 1-2, and C. Bn. The score is in 4/4 time at  $\text{♩} = 140$ . Dynamics include  $\text{sffz}$ ,  $\text{fp}$ ,  $\text{mf}$ , and  $\text{sfz}$ .

Musical score page 2 showing parts for Hn. 1-2, Hn. 3-4, C Tpt. 1, C Tpt. 2-3, Tbn. 1-2, B Tbn., Tba., Timp., Perc. 1, Perc. 2, Perc. 3, Hp., and Pno. The score is in 4/4 time at  $\text{♩} = 140$ . Dynamics include  $\text{f}$ ,  $\text{sffz}$ ,  $\text{mf}$ ,  $\text{fp}$ ,  $\text{ly.}$ ,  $\text{spitstick}$ ,  $\text{hard yarn mallets}$ ,  $\text{(dead stroke)}$ ,  $\text{mf}$ , and  $\text{sfz}$ . A large diagonal watermark "Rehearsal Score Only Not For Performance" is overlaid across the page.

**T** Tempo I; Aggressively  $\text{♩} = 140$

Musical score page 3 showing parts for Vln. I, Vln. II, Vla., Vc., and Cb. The score is in 4/4 time at  $\text{♩} = 140$ . Dynamics include  $\text{divisi}$ ,  $\text{mf}$ ,  $\text{mp}$ ,  $\text{sfz}$ ,  $\text{senza sordino}$ ,  $\text{mf}$ ,  $\text{fp}$ ,  $\text{divisi}$ ,  $\text{mf}$ ,  $\text{fp}$ , and  $\text{mf}$ .

**Perusal Score Only**

**Not For Performance**

(title or no ped.)

A page from a musical score for orchestra and percussion. The score includes parts for various instruments like Flute, Clarinet, Bassoon, Trombone, Tuba, Double Bass, Percussion 1, Percussion 2, Percussion 3, and Harp. The page features dynamic markings such as *f* (fortissimo), *mf* (mezzo-forte), *fp* (fortissimo piano), and *sfp* (soft fortissimo). A large, diagonal watermark reading "Perusal Score Only Not For Performance" is overlaid across the page.

Picc.

Fl. 1-2

Ob. 1-2

E. Hn.

Bb Cl. 1-2

B. Cl.

Bsn. 1-2

C. Bn.

Hn. 1-2

Hn. 3-4

C Tpt. 1

C Tpt. 2-3

Tbn. 1-2

B Tbn.

Tba.

Timp.

Perc. 1

Perc. 2

Perc. 3

Hp

Pno.

Vln. I

Vln. II

Vla.

Vc.

Cb.

**V** Driving!

Picc. *sffz*

Fl. 1-2 *sffz*

Ob. 1-2 *sffz*

E. Hn. *sffz*

Bb Cl. 1-2 *sffz*

B. Cl. *f*

Bsn. 1-2 *f*

C. Bn. *f*

Hn. 1-2 *sffz*

Hn. 3-4 *ff*

C Tpt. 1 [Metal Straight Mute] *sffz*

C Tpt. 2-3 [Metal Straight Mute] *f*

Tbn. 1-2 *sffz*

B Tbn.

Tba.

Tim. *sffz*

Perc. 1 *lv*

Perc. 2 *f*

Perc. 3 *f*

Hp.

Pno. *sffz*

*8th (no ped.)*

Vln. I *f*

Vln. II *f*

Vla. *sffz*

Vc. *sffz*

Cb. *f*

**Perusal Score Only  
Not for Performance**

Picc.

Fl. 1-2

Ob. 1-2

E. Hn.

Bb Cl. 1-2

B. Cl.

Bsn. 1-2

C. Bn.

Hn. 1-2

Hn. 3-4

C Tpt. 1

C Tpt. 2-3

Tbn. 1-2

B Tbn.

Tba.

Timp.

Perc. 1

Perc. 2

Perc. 3

Hp.

Pno.

Vln. I

Vln. II

Vla.

Vc.

Cb.

**Perusal Score Only**

Not for Performance

**Perusal Score Only**

Not For Performance

**Perusal Score Only**

Not for Performance

**Y**