ANSI ASC X12
MOTOR CARRIER DELIVERY TRAILER MANIFEST
VERSION 004010

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ISO 9002 Certified

Dear Roadway Customer:

Thank you for your interest in trading delivery trailer manifests with Roadway. This is the 212 implementation guide you requested. We look forward to working with you to implement the EDI transaction set 212. If you have any questions about the 212 or any other EDI issues please feel free to contact one of the persons listed below.

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Preface

Purpose and Scope

The purpose of this guide is to provide Roadway's trading partners with the necessary information to accept Delivery Trailer Manifests, via EDI, from Roadway. The material presented here covers the 212 transaction set of Version 004 Release 010 of the ANSI ASC X12 standard.

American National Standards Institute Accredited Standards Committee X12

Roadway Express uses ANSI ASC X12 standard format transaction sets for the exchange of electronic documents with its EDI trading partners.

Roadway Express is a leader in the use of EDI in the transportation industry and firmly supports the use of ANSI ASC X12 standards in EDI trading partner relationships. The use of such standards cultivates a common language between trading partners and expedites EDI setup. A well developed EDI system provides numerous possibilities for expanding the business relationship.

Reference Material

ASCX12 Publications

• Electronic Data Interchange X12 Standards reflecting Version 004 Release 010 (004010), dated December 1997. This publication is available from DISA, 1800 Diagonal Road, Suite 200, Alexandria, VA 22314,(703)548-7005, WWW.DISA.ORG.

ATA Publications

• American Trucking Association's Motor Carrier Industry Guide to Electronic Data Interchange Implementation and Conventions, reflecting Version 004 Release 010 (004010), dated May 1998. This publication is available from the American Trucking Association's Information Technology Council, 2200 Mill Road, Alexandria, VA 22314.

Electronic Data Interchange (EDI)

Communications

Roadway Express, Inc. has developed a communication network that provides the ability to transmit EDI transactions directly to EDI Trading Partners, the method preferred by Roadway.
However, if you prefer to use a third party Value Added Network, Roadway prefers Sterling Commerce Network or Kleinschmidt.

The Structure of an Electronic Transmission

An EDI transmission consists of one or more “envelopes” which identify the sender and receiver of the transaction set. ISA and IEA segments mark the beginning and the end of an envelope respectively. Within the envelope, the transaction sets are organized into one or more functional groups bounded by a GS and a GE segment. Figure 1 illustrates the format of an EDI transmission.

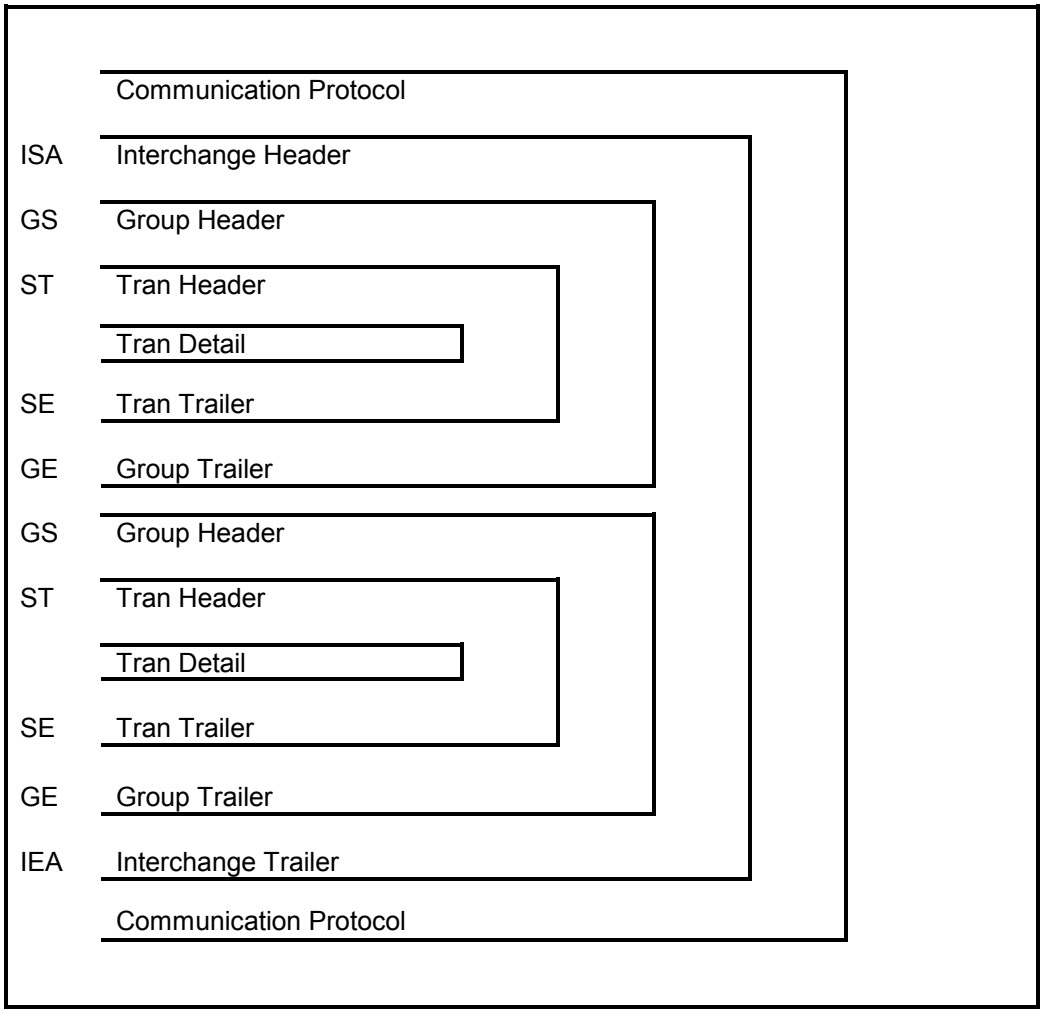

Figure 1: Transmission Structure

Transaction Structure

EDI transaction sets consist of a group of segments (records) arranged in a specific order. Most transactions have header level segments and detail level segments. There can also be repeated sets of segments referred to as loops.

Each segment begins with a segment identifier and ends with a segment terminator. The segment terminator is a special character agreed upon by sender and receiver to define the end of a segment. The most commonly used segment terminator is the hexadecimal '15' in EBCDIC (Extended Binary Coded Decimal Interchange Code) or '85' in ASCII (American Standard Code for Information Exchange).

Data elements (fields) within a segment are delimited by an element separator. The element separator is a special character agreed upon by sender and receiver. The most commonly used element separator is an asterisk (*), a hexadecimal '5C' for EBCDIC or hexadecimal '2A' for ASCII.

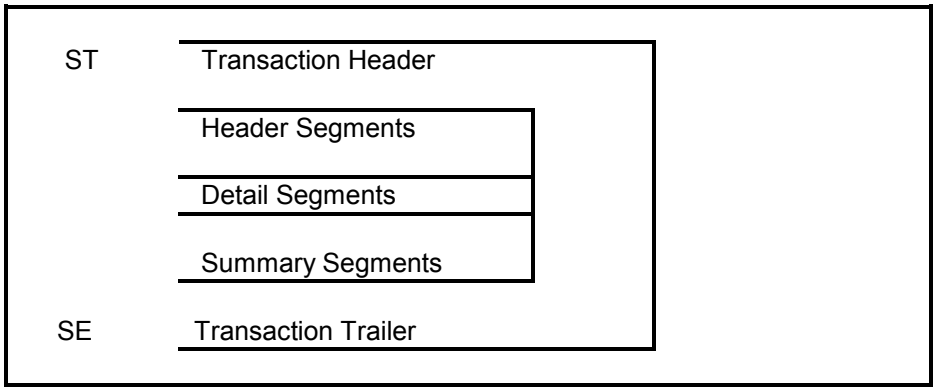

Figure 2: Transaction Structure

Notation Conventions

Segment Requirements

• (M) MANDATORY: The segment must be transmitted.

• (O) OPTIONAL: The segment may be transmitted if needed.

Element Requirements

• (M) MANDATORY: The data element must be transmitted.

• (O) OPTIONAL: The data element may be transmitted, if needed.

• (X) RELATIONAL: The data element's existence or absence is related to the existence or absence of another data element. The relationship is explained by a note following the segment definition. There could also be an alphabetic code to explain the relational condition.

• (Z) SEMANTIC: Refer to the Semantic note(s) for this data element.

• (C) CONDITIONAL: The data element must be transmitted under certain conditions.

• (P) PAIRED or MULTIPLE: If any element is transmitted, then all must be transmitted.

• (R) REQUIRED: At least one of the data elements specified must be transmitted.

• (E) EXCLUSIVE: Not more than one of the data elements specified can be transmitted.

• (L) LIST CONDITIONAL: If the first data element specified is transmitted, then at least one of the others must be transmitted. Any or all elements not specified as the first may be transmitted with the first data element.

• Each data element has a minimum and maximum length requirement.

• In a mandatory numeric data element the minimum characters, as defined in the data dictionary, must be transmitted even if the value is zero.

Data Types

• AN: Alphanumeric data elements containing the numerals 0-9, the characters A-Z and any special characters except asterisk (*), the greater than Sign (>) and the characters with a hexadecimal value of '40' or less. These characters are control characters and should not be used for data. The contents are left-justified. Trailing spaces should be suppressed unless necessary to satisfy the minimum length requirement.

• R: (Real) numeric data containing the numerals 0-9 and a decimal point in the proper position. The decimal point is optional for integer values but required for fractional values. A leading + or - sign may be used. The minus sign must be used for negative values.

• Nn: Numeric data containing the numerals 0-9, and an implied decimal point. The 'N' indicates that the element contains a numeric value and the 'n' indicates the number of decimal places to the right of the implied decimal point. The actual decimal point is not transmitted. A leading + or - sign may be used. The minus sign must be used for negative values. Leading zeroes should be suppressed unless they are necessary to satisfy the minimum number of digits required by the data element specification. For a data element defined as N4 with a minimum length of 4, the value 0.0001 would be transmitted as '0001'. For an N4 data element with the minimum length of 1, the value 0.0001 would be transmitted '1'.

• ID: A data element identifier from a pre-defined list of values maintained by ASC X12.

• DT: Numeric date in the form YYYYMMDD.
• TM: Numeric time in the form HHMM. Time is represented in 24-hour clock format.

Data Element Reference Number

The Data Element Reference Number is a unique identifier used to aid in locating data element definitions in the applicable standards manual.

Transaction Set 212 Motor Carrier Delivery Trailer Manifest

This transaction set can be used to allow motor carriers to provide consignees or other interested parties with the contents of a trailer, containing multiple shipments, that has been tendered for delivery. It is not to be used to provide the recipient with data relative to a full truckload shipment.

Table 1

Seg ID	Description	Req.	Max Use	Loop ID	Max Loops
ST	Transaction Set Header	M	1		
ATA	Beginning Segment	M	1		
B2A	Set Purpose	M	1		
L11	Business Instructions and Reference Number	O	300		
N1	Name	O	1	0100	1
N2	Additional Name Information	O	1	0100	
N3	Address Information	O	2	0100	
N4	Geographic Location	O	1	0100	
G61	Contact	O	1	0100	
G62	Date/Time	O	1	0100	
L11	Business Instructions and Reference Number	O	10	0100	
AT7	Shipment Status Details	M	1	0150	1
G62	Date/Time	O	5	0150	
MS1	Equipment Location	O	1	0150	
				0150	
MS2	Equipment or Container Owner and Type	O	1	0160	1
M7	Seal Numbers	O	1	0160	
AT9	Trailer or Container Dimension and Weight	O	1	0160	

Table 2

Seg ID	Description	Req	Max Use	Loop ID	Max Loops
LX	Assigned Number	O	1	0200	9999
L11	Business Instructions & Reference Number	O	10	0200	
BLR	Transportation Carrier Identification	O	1	0200	
MAN	Marks and Numbers	O	9999	0200	
AT8	Shipment Weight, Packaging and Quantity Data	O	1	0200	
G62	Date/Time	O	5	0200	
TSD	Trailer Shipment Details	O	1	0200	
SPO	Shipment Purchase Order Detail	O	1	0210	
SDQ	Destination Quantity	O	9999	0210	
N1	Name	O	1	0220	
N2	Additional Name Information	O	1	0220	
N3	Address Information	O	2	0220	
N4	Geographic Location	O	1	0220	
L11	Business Instructions & Reference Number	O	5	0220	
SE	Transaction Set Trailer	M	1		

NOTES:

1/050 Loop 0100 provides the location where the carrier will deliver the trailer.

1/120 The AT7 segment provides the status of all the shipments on the trailer.

2/010 Loop 0200 provides the specific details concerning all of the shipments included in the manifest. There will be one iteration of loop 0200 for each shipment contained in the manifest. The most common way to identify the shipments is by the PRO number assigned by the carrier.

2/030 The BLR segment shall only be used when the carrier delivering the freight is not the carrier that picked up the freight. The pick-up carrier shall be identified by its Standard Carrier Alpha Code (SCAC).

2/070 For use of the TSD segment in transaction set 212, the only codes that can be used in TSD02 include: 1 - indicates the shipment is in the third quarter of the trailer; 2 - indicates the shipment is in the second quarter of the trailer; 3 - indicates the shipment is in the third quarter of the trailer; 4 - indicates the shipment is in the fourth quarter of the trailer (closest to the rear door of the trailer).

2/100 Loop 0220 shall only be used to provide the identification of the shipper if the carrier has not provided that information in a previous shipment status message.

212 Business Example

ISA*00* *00* *02*RDWY *01*012345678 *980526*0532*U*00400*000001499*0*P*

GS*TM*RDWY*012345678*19980526*0532*1499*X*004010

ST*212*014990001

ATA*RDWY*981221234123302*19980526
ATA02 (981221234123302) IS THE DELIVERY TRAILER MANIFEST NUMBER

B2A*00
00 IS THE ORIGINAL TRAILER MANIFEST
05 IS AN ENTIRE REPLACEMENT
SU IS AN UPDATE OF THE STATUS
B2A02 IS NOT USED BY MOTOR CARRIERS

N1*ST*RETAILER*94*0456
THE SHIP-TO LOOP OCCURS ONCE PER TRANSACTION

N3*333 GORDON BLVD

N4*TIFTON*OH*43194

AT7*AV*NS*19980526*0248*ET**
AV IS AVAILABLE FOR DELIVERY

G62*CL*19980526
G6202 (19980526) IS THE DATE THE DELIVERY TRAILER WAS ORIGINALLY CLOSED
CL IS CLOSED

G62*17*19980526*1330*ET
G6202 (19980526) IS THE ESTIMATED DATE AND TIME OF ARRIVAL
17 IS ESTIMATED DELIVERY DATE

MS2*RDWY*12345*TL

M7*1234A

AT9*2800*G*L*22000**

LX*1

L11*CN*2736255693
CN IS CARRIER'S REFERENCE NUMBER (PRO NUMBER)

L11*BM*766707BA
BM IS BILL OF LADING NUMBER

BLR*SCAC
THIS SEGMENT IS OPTIONAL AND IDENTIFIES THE PREVIOUS CARRIER

AT8*B*L*20023**
B IS BILLED WEIGHT
G IS GROSS WEIGHT
L IS POUNDS

212 Business Example (cont'd.)

N IS ACTUAL NET WEIGHT
AT804 IS CARTON COUNT
AT805 (3) IS PALLET COUNT
AT804 & AT805 ARE HANDLING UNITS

G62*86*19980521

TSD*1

SPO*1590770904*088*CT*55*L*635
SPO02 IS DEPARTMENT NUMBER

SDQ*CT*92*2333*22
SDQ03 IS STORE NUMBER
SDQ04 IS CARTON COUNT

N1*SF*SHIPPER 1

N3*1398 GARY AVE

N4*HOUSTON*TX*77020

LX*2

L11*CN*133625564X

L11*BM*1357

AT8*B*L*2003**

G62*86*19980520

TSD*2

SPO*12312345CT*5*L*135**

N1*SF*VENDOR

N3*555 YOUING ST

N4*MANCEST*AZ*85020

LX*3

L11*CN*8336222222

L11*BM*HA898

AT8*B*L*400*33

G62*86*19980522

212 Business Example (cont'd.)

TSD*3

SPO*TT0909CT*115*L*1588**

N1*SF*ALLI DISTRIBUTION CENTER

N3*33 S CLEVELAND AVE

N4*MOGADOR*OH*44588

SE*0000000045*014990001

GE*000001*000001499

IEA*00001*000001499

Segment Definitions

ISA Interchange Control Header

Level: Control Segment
Loop:
Usage: Mandatory
Max Use: 1
Purpose: To start and identify an interchange of zero or more functional groups and interchange related control segments.

Example: ISA*00* *00* *01*006998397 *01*123456789 *980518*00400*000000522*0*P*>

Data Element Summary

Ref. Des.	Data Element	Name	Attributes		
01	I01	Authorization Information Qualifier Code to identify the type of information in the Authorization Info. 00 - No Authorization information present	M	ID	2/2
02	I02	Authorization Information Information used for additional identification or authorization of the interchange sender or the data in the interchange. This field should be spaces	M	AN	10/10
03	I03	Security Information Qualifier Code to identify the type of information in the Security information. 00 - No Security Information	M	ID	2/2
04	I04	Security Information This is used for identifying the security information about the interchange sender or the data in the interchange. This field should be spaces	M	AN	10/10
05	I05	Interchange ID Qualifier Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified. 01 - Duns Number 12 - Telephone Number ZZ - Mutually Defined	M	ID	2/2
06	I06	Interchange Sender ID Unique identification code published by the sender for other parties to use as the receiver ID to route data to them; the sender always codes this value in the sender ID element.	M	AN	15/15
07	I05	Interchange ID Qualifier Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified. 01 - Duns Number	M	ID	2/2
08	I07	Interchange Receiver ID Unique identification code published by the receiver of the data.	M	AN	15/15
09	I08	Interchange Date Creation date of the interchange (YYMMDD).	M	DT	6/6
10	I09	Interchange Time Creation time of the interchange (HHMM).	M	TM	4/4

11	I10	Interchange Control Standards Identifier Code to identify the agency responsible for the control standard used by the message that is enclosed by the interchange header and trailer. U - USA	M	ID	1/1
12	I11	Interchange Control Version Number This version number covers the interchange control segments. 00400 - Standards issued as ANSI X12.5-1997	M	ID	5/5
13	I12	Interchange Control Number A control number assigned by the interchange sender. Must match IEA02	M	N0	9/9
14	I13	Acknowledgment Requested Code sent by the sender to request an interchange acknowledgment (TA1). 0 - No TA1 requested	M	ID	1/1
15	I14	Test Indicator Code to indicate whether data enclosed is test or production. T - Test P - Production	M	ID	1/1
16	I15	Component Element Separator Type is not applicable; the component element separator is a delimiter and not a data element; this field provides the delimiter used to separate component data elements within a composite data structure; this value must be different than the data element separator and the segment terminator.	M		1/1

IEA Interchange Control Trailer

Level: Control Segment
Loop:
Usage: Mandatory
Max Use: 1
Purpose: To define the end of an interchange; used with the ISA segment.

Example: IEA*1*000000522

Data Element Summary

Ref. Des.	Data Element	Name	Attributes		
01	I16	Number of included Functional Groups.	M	N0	1/5
02	I12	Interchange Control Number	M	N0	9/9

GS Functional Group Header

Level: Control Segment
Loop:
Usage: Mandatory
Max Use: 1
Purpose: To indicate the beginning of a functional group and to provide control information

Semantic:
01 GS04 is the group date
02 GS05 is the group time
03 The date interchange control number GS06 in this header must be identical to the same data element in the associated functional group trailer, GE02.

Comment:
01 A functional group of related transaction sets, within the scope of X12 standards, consists of a collection of similar transaction sets enclosed by a functional group header and a functional group trailer.

Example: GS*TM*RDWY*123456789*19980518*0435*587*X*004010

Data Element Summary

Ref. Des.	Data Element	Name	Attributes		
01	479	Functional Identifier Code Code identifying a group of application related transaction sets. TM - Motor Carrier Delivery Trailer Manifest	M	ID	2/2
02	142	Application Sender's Code Code identifying party sending transmission; codes agreed to by trading partners.	M	AN	2/15
03	124	Application Receiver's Code Code identifying party receiving transmission; Codes agreed to by both trading partners.	M	AN	2/15
04	373	Date Date (YYYYMMDD)	M	DT	8/8
05	337	Time Time (HHMM)	M	TM	4/8
06	28	Group Control Number Assigned number originated and maintained by the sender.	M	N0	1/9
07	455	Responsible Agency Code Code used in conjunction with data element 480 to identify the issuer of the standard. X - Accredited Standards Committee X12	M	ID	1/2
08	480	Version / Release / Industry Identifier Code Code indicating the version, release, subrelease, and industry identifier of the EDI standard being used.	M	AN	1/12

ST Starting Segment

Level: Header
Loop:
Usage: Mandatory
Max Use: 1
Purpose: To indicate the start of a transaction set and to assign a control number.

Semantic: 01 The transaction set identifier (ST01) used by the translation routines of the interchange partners to select the appropriate transaction set definition.

Comment: 01 A functional group of related transaction sets, within the scope of X12 standards, enclosed by a functional group header and a functional group trailer.

Example: ST*212*000010001

Data Element Summary

Ref. Des.	Data Element	Name	Attributes		
01	143	Transaction Set Identifier Code Code uniquely identifying a Transaction set. 212 - Motor Carrier Delivery Trailer Manifest	M	ID	3/3
02	329	Transaction Set Control Number Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set. This number is composed of the 1 to 5 digit data interchange control number (5 low order digits from data element 28 from the associated functional header) subscripted with a 4 digit serial number beginning with 0001 which indicates the transaction set's position in the transmitted functional group. The subsrcipted 4 digit serial number is sequentially assigned by the sender and is incremented by one.	M	AN	4/9

ATA Beginning Segment for the Motor Carrier Delivery Trailer Manifest

Level: Header
Loop:
Usage: Mandatory
Max Use: 1
Purpose: To transmit identifying numbers and other basic data related to the transaction set

Semantic:
- 01 ATA01 is the Standard Carrier Alpha Code (SCAC) of the carrier that is delivering the trailer.
- 02 ATA02 is the delivery trailer manifest number assigned by the carrier.
- 03 ATA03 is the date that the delivery trailer manifest was created.

Example: ATA*RDWY*980321234123302*19980518

Data Element Summary

Ref. Des.	Data Element	Name	Attributes		
01	140	Standard Carrier Alpha Code RDWY - Roadway Express Inc.	M/Z	ID	2/4
02	127	Reference Identification Reference information as defined for a particular transaction set or as specified by the Reference Identification Qualifier.	M/Z	AN	1/30
03	373	Date Current date (YYYYMMDD).	M/Z	DT	8/8

B2A Set Purpose

Level: Header
Loop:
Usage: Mandatory
Max Use: 1
Purpose: To allow for positive identification of transaction set purpose.

Example: B2A*00*TM

Data Element Summary

Ref. Des.	Data Element	Name	Attributes		
01	353	Transaction Set Purpose Code Code identifying the purpose of the transaction set. 00 - Original 05 - Replace This code indicates that this trailer manifest should entirely replace the previously transmitted trailer manifest. SU - Status Update This code is used to indicate an update of a previously transmitted trailer manifest. This code shall only be used to convey a change in status.	M	ID	2/2
02	346	Application Type Code identifying an application. TM - Trailer Manifest	O	ID	2/2

L11 Business Instructions and Reference Number

Level: Header
Loop:
Usage: Optional
Max Use: 300
Purpose: To specify instructions in this business relationship or a reference number.

Syntax: 01 R0103 - At least one of L1101 or L1103 is required.
02 P0102 - If either L1101 or L1102 is present, then the other is required.

Comment: 01 This segment is used to supply reference numbers that pertain to all the shipments on the trailer.

Example: L11*123456*ST

Data Element Summary

Ref. Des.	Data Element	Name	Attributes		
01	127	Reference Identification Reference information as defined for a particular transaction set or as specified by the Reference Identification Qualifier.	C	AN	1/30
02	128	Reference Identification Qualifier Code qualifying the reference identification. ST - Store Number DP - Department Number (if not supplied in the SPO) There are many codes available, please refer to the ANSI X12 guide for a complete listing.	C	ID	2/3
03	352	Description A free-form description to clarify the related data elements and their content.	C	AN	1/80

N1 Name

Level: Header
Loop: 0100
Usage: Mandatory
Max Use: 1
Purpose: To identify a party by type of organization, name, and code.

Syntax:
01 R0203 - At least one of N102 or N103 is required.
02 P0304 - If either N103 or N104 is present, then the other is required.

Comment:
01 Loop 0100 provides the location where the carrier will deliver the trailer.

02 This segment is required and is used to transmit shipper, consignee, and other third party related information.

03 This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.

04 N105 and N106 further define the type of entity in N101.

05 The N103 and N104 can be sent if available in the data base.

06 When code "CA" is used in N101 then N102 shall not be used. N103 shall contain "2", N104 shall contain the SCAC, and the N2, N3 and N4 segments shall not be used.

Example: N1*ST*RETAILER*94*0222

Data Element Summary

Ref. Des.	Data Element	Name	Attributes		
01	98	Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual. CA - Carrier; The "CA" code shall only be used when a carrier contact is being conveyed in the G61 segment. ST - Ship To	M	ID	2/3
02	93	Name Free-form name.	X	AN	1/60
03	66	Identification Code Qualifier Code designating the system/method of code structure used for Identification Code (Element 67).	X	ID	1/2
04	67	Identification Code Code identifying a party or other code. Store number or Distribution Center number if set up in Roadway's data base.	X	AN	2/80
05	706	Entity Relationship Code Code describing entity relationship.	O	ID	2/2
06	98	Entity Identifier Code	O	ID	2/3

N2 Additional Name Information

Level: Header
Loop: 0100
Usage: Optional
Max Use: 1
Purpose: To specify additional names or those longer than 35 characters in length.

Example: N2*DOCK#4

Data Element Summary

Ref. Des.	Data Element	Name	Attributes		
01	93	Name Free-form name.	M	AN	1/60
02	93	Name Free-form name.	O	AN	1/60

N3 Address Information

Level: Header
Loop: 0100
Usage: Optional
Max Use: 2
Purpose: To specify the location of the named party.

Example: N3*117 N MAIN ST*BIG MALL

Data Element Summary

Ref. Des.	Data Element	Name	Attributes		
01	166	Address Information The address of the entity described in the N101.	M	AN	01/55
02	166	Address Information	O	AN	01/55

N4 Geographic Location

Level: Header
Loop: 0100
Usage: Optional
Max Use: 1
Purpose: To specify the geographic place of the named party.

Syntax: 01 C0605 - If N406 is present, then N405 is required.

Comment: 01 A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.

02 N402 is required only if city name (N401) is in the U.S. or Canada.

Example: N4*CLEVELAND*OH*44417

Data Element Summary

Ref. Des.	Data Element	Name	Attributes		
01	19	City Name Free-form text for city name.	O	AN	02/30
02	156	State/Province Code Code (Standard State/Province) as defined by appropriate government agency.	O	ID	02/02
03	116	Postal Code Code defining the international postal zone code excluding punctuation and blanks (zip code for United States).	O	ID	03/15
04	26	Country Code Code identifying the country If other than the United States.	O	ID	02/03
05	309	Location Qualifier Code identifying the type of location.	X	ID	01/02
06	310	Location Identifier Code which identifies a specific location.	O	AN	01/30

G61 Contact

Level: Header
Loop: 0100
Usage: Optional
Max Use: 1 per loop
Purpose: To identify a person or office to whom communications should be directed.

Syntax: 01 P0304 - if either G6103 or G6104 is present, then the other is required.

Comment: 01 G6103 qualifies G6104.

Example: G61*CA*JIM

Data Element Summary

Ref. Des.	Data Element	Name	Attributes		
01	366	Contact Function Code Code identifying the major duty or responsibility of the person or group named. CA - Customer Contact Granting the Appointment	M	ID	02/02
02	93	Name Free-form name.	M	AN	01/60
03	365	Communication Number Qualifier Code identifying the type of communication number.	X	ID	02/02
04	364	Communication Number Complete communications number including country or area code when applicable.	X	AN	01/80
05	443	Contact Inquiry Reference Additional reference number or description to clarify a contact number.	O	AN	01/20

G62 Date/Time

Level: Header
Loop: 0100
Usage: Optional
Max Use: 1
Purpose: To specify pertinent dates and times.

Syntax: 01 R0103 - At least one of G6201 or G6203 is required.
02 P0102 - If either G6201 or G6202 is present, then the other is required.
03 P0304 - If either G6203 or G6204 is present, then the other is required.

Comment: This segment is not used by Roadway.

Data Element Summary

Ref. Des.	Data Element	Name	Attributes		
01	432	Date Qualifier Code specifying type of date. Not Used	M	ID	2/2
02	373	Date Date expressed as YYYYMMDD. Not Used	M	DT	8/8
03	176	Time Qualifier Code specifying the reported time. Not Used	O	ID	1/2
04	337	Time Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99). Not Used	O	TM	4/8
05	623	Time Code Code identifying the time zone. ET - Eastern time CT - Central time MT - Mountain time PT - Pacific time Not Used	O	ID	2/2

L11 Business Instructions and Reference Number

Level: Detail
Loop: 0100
Usage: Optional
Max Use: 10
Purpose: To specify instructions in this business relationship or a reference number.

Syntax: 01 R0103 - At least one of L1101 or L1103 is required.
02 P0102 - If either L1101 or L1102 is present, then the other is required.

Comment: This segment is not used by Roadway.

Data Element Summary

Ref. Des.	Data Element	Name	Attributes		
01	127	Reference Identification Reference information as defined for a particular transaction set or as specified by the Reference Identification Qualifier. Not Used	X	AN	01/30
02	128	Reference Identification Qualifier Code qualifying the Reference Identification. BM - Bill of Lading Not Used	X	ID	02/03
03	352	Description A free-form description to clarify the related data elements and their content. Not Used	X	AN	01/80

AT7 Shipment Status Details

Level: Header
Loop: 0150
Usage: Mandatory
Max Use: 1
Purpose: To specify the status of all shipments on the trailer, the reason for that status, the date and time of the status and the date and time of any appointments scheduled.

Notes:
01 The AT7 segment provides the status of all of the shipments on the trailer.

Syntax:
01 E0103 - Only one of AT701 or AT703 may be present.
02 P0102 - If either AT701 or AT702 is present, then the other is required.
03 P0304 - If either AT703 or AT704 is present, then the other is required.
04 C0605 - If AT706 is present, then AT705 is required.
05 C0706 - If AT707 is present, then AT706 is required.

Semantic:
01 If AT701 is present, AT705 is the date the status occurred. If AT703 is present, AT705 is a date related to an appointment.
02 If AT701 is present, AT706 is the time of the status. If AT703 is present, AT706 is the time of the appointment.
03 If AT707 is not present then AT706 represents local time of the status.

Example: AT7*AV*NS***19980518*1645*ET

Data Element Summary

Ref. Des.	Data Element	Name	Attributes		
01	1650	Shipment Status Code Code indicating the status of a shipment. AV - Available for Delivery	X/Z	ID	2/2
02	1651	Shipment Status or Appointment Reason Code Code indicating the reason a shipment status or appointment reason was transmitted. NS - Normal Status	X	ID	2/2
03	1652	Shipment Appointment Status Code Code indicating the status of an appointment to pick-up or deliver a shipment.	X	ID	2/2
04	1651	Shipment Status or Appointment Reason Code Code indicating the reason a shipment status or appointment reason was transmitted.	X	ID	2/2
05	373	Date Date expressed as YYYYMMDD.	X	DT	8/8
06	337	Time Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99).	X	TM	4/8

07	623	Time Code Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow. See External Code Source 94 in Chapter IX of the ATA Guide for Reference Document. ET - Eastern time CT - Central time MT - Mountain time PT - Pacific time	O/X	ID	2/2

G62 Date/Time

Level: Header
Loop: 0150
Usage: Optional
Max Use: 5
Purpose: To specify pertinent dates and times.

Syntax: 01 R0103 - At least one of G6201 or G6203 is required.
02 P0102 - If either G6201 or G6202 is present, then the other is required.
03 P0304 - If either G6203 or G6204 is present, then the other is required.

Comment: 01 This G62 Date and Time relates to the trailer.

Example: G62*17*19980515

Data Element Summary

Ref. Des.	Data Element	Name	Attributes		
01	432	Date Qualifier Code specifying type of date. CL - Delivery Trailer Closed 17 - Estimated Delivery Date 70 - Scheduled Delivery Date	X	ID	2/2
02	373	Date Date expressed as YYYYMMDD.	X	DT	8/8
03	176	Time Qualifier Code specifying the reported time.	X	ID	1/2
04	337	Time Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99).	X	TM	4/8
05	623	Time Code Code identifying the time zone. ET - Eastern time CT - Central time MT - Mountain time PT - Pacific time	O	ID	2/2

MS1 Equipment, Shipment, or Real Property Location

Level: Header
Loop: 0150
Usage: Optional
Max Use:
Purpose: To specify the location of a piece of equipment, a shipment, or real property in terms of city and state or longitude and latitude.

Syntax:
01 L010203 - If MS101 is present, then at least one of MS102 or MS103 is required.
02 E0104 - only one of MS101 or MS104 may be present.
03 C0201 - If MS102 is present, then MS101 is required.
04 C0301 - If MS103 is present, then MS101 is required.
05 P0405 - If either MS104 or MS105 is present, then the other is required.
06 C0604 - If MS106 is present, then MS104 is required.
07 C0705 - If MS107 is present, then MS105 is required.

Semantic:
01 MS104 is the longitude expressed in Degrees, Minutes, and Seconds.
02 MS105 is the latitude expressed in Degrees, Minutes, and Seconds.
03 MS106 may only be “E” or “W”.
04 MS107 may only be “N” or “S”.

Example: MS1*CLEVELAND*OH*US

Data Element Summary

Ref. Des.	Data Element	Name	Attributes		
01	19	City Name	X	AN	2/30
02	156	State or Province Code	X	ID	2/2
03	26	Country Code	X	ID	2/3
04	1654	Longitude Code	X/Z	ID	7/7
05	1655	Latitude Code	X/Z	ID	7/7
06	1280	Direction Identifier Code	O/Z	ID	1/1
07	1280	Direction Identifier Code	O/Z	ID	1/1

MS2 Equipment or Container Owner and Type

Level: Header
Loop: 0160
Usage: Optional
Max Use: 1
Purpose: To Specify the owner, the identification number assigned by that owner, and the type of equipment.

Syntax: 01 P0102 - If either MS201 or MS202 is present, then the other is required.
02 C0402 - If MS204 is present, then MS202 is required.

Comment: 01 MS203 identifies the type for the equipment specified in the MS202.

Notes: This segment is used only when the trailer information will be provided, otherwise this segment is not necessary.

Example: MS2*RDWY*123456*TL

Data Element Summary

Ref. Des.	Data Element	Name	Attributes		
01	140	Standard Carrier Alpha Code RDWY - Roadway	X	ID	2/4
02	207	Equipment Number Sequencing or serial part of an equipment unit's identifying number (pure numeric form for equipment number is preferred). Roadway's trailer number	X	AN	1/10
03	40	Equipment Description Code Code identifying type of equipment used for shipment. TL - Trailer (not otherwise specified)	O	ID	2/2
04	761	Equipment Number Check Digit Number which designates the check digit applied to a piece of equipment.	O	N0	1/1

M7 Seal Numbers

Level: Header
Loop: 0160
Usage: Optional
Max Use: 1
Purpose: To record seal numbers used and the organization that applied the seals.

Comment: 01 M705 indicates the name of the organization which applied the seal(s).

Example: M7*S12R

Data Element Summary

Ref. Des.	Data Element	Name	Attributes		
01	225	Seal Number Unique number on seal used to close a shipment.	M	AN	2/15
02	225	Seal Number Unique number on seal used to close a shipment.	O	AN	2/15
03	225	Seal Number Unique number on seal used to close a shipment.	O	AN	2/15
04	225	Seal Number Unique number on seal used to close a shipment.	O	AN	2/15
05	98	Entity Identifier Code Code identifying the organizational entity, a physical location, property or an individual. CA - Carrier	O	ID	2/3

AT9 Trailer or Container Dimension and Weight

Level: Header
Loop: 0160
Usage: Optional
Max Use: 1
Purpose: To specify trailer or container dimensions.

Syntax:
01 P040506 - If either AT904, AT905 or AT906 are present, then the others are required.
02 P0708 - If either AT907 or AT908 is present, then the other is required.

Semantic:
01 AT902 is the height of the trailer or container in inches.
02 AT903 is the width of the trailer or container in inches.
03 AT906 is the weight of the trailer or container. It is the tare weight of the trailer or container.
04 AT908 is the volumetric capacity of the trailer or container.

Example: AT9*02800*96*102*G*L*12000

Data Element Summary

Ref. Des.	Data Element	Name	Attributes		
01	567	Equipment Length Length (in feet and inches) of equipment ordered or used to transport shipment (The format is FFFII where FFF is feet and II is inches; the range for II is 00 through 11).	O	N0	4/5
02	65	Height Vertical dimension of an object measured (in inches) when the object is in the upright position.	O/Z	R	1/8
03	189	Width Shorter measurement of the two horizontal dimensions measured with the object in the upright position.	O/Z	R	1/8
04	187	Weight Qualifier Code defining the type of weight. G - Gross Weight	X	ID	1/2
05	188	Weight Unit Code Code specifying the weight unit. L - Pounds	X	ID	1/1
06	81	Weight Numeric value of weight.	X/Z	R	1/10
07	184	Volume Unit Qualifier Code identifying the volume unit. Not Used	X	ID	1/1
08	183	Volume Value of volumetric measure Not Used	X/Z	R	1/8

LX Assigned Number

Level: Detail
Loop: 0200
Usage: Optional
Max Use: 1
Purpose: To reference a line number in a transaction.

Comment: 01 LX01 is a sequential number starting with one and incremented by one, for every occurrence of the LX segment.
02
If loop 0200 is being used then LX01 is required by Roadway.
03
LX01 is the loading sequence of the shipments on the trailer starting from 1 (1 is the first shipment loaded on the trailer).

Example: LX*1

Data Element Summary

Ref. Des.	Data Element	Name	Attributes		
01	554	Assigned Number Number assigned for differentiation within a transaction set.	M	N0	1/6

L11 Business Instructions and Reference Number

Level: Detail
Loop: 0200
Usage: Optional
Max Use: 10
Purpose: To specify instructions in this business relationship or a reference number.

Syntax: 01 R0103 - At least one of L1101 or L1103 is required.
02 P0102 - If either L1101 or L1102 is present, then the other is required.

Example: L11*456B2*BM
Example: L11*1234567890*CN

Data Element Summary

Ref. Des.	Data Element	Name	Attributes		
01	127	Reference Identification Reference information as defined for a particular transaction set or as specified by the Reference Identification Qualifier.	X	AN	01/30
02	128	Reference Identification Qualifier Code qualifying the Reference Identification. BM - Bill of Lading number CN - Carrier's reference number (PRO/Invoice) SI - Shipper's identifying Number for the Shipment (SID) SO - Shipper's Order (Invoice Number)	X	ID	02/03
03	352	Description A free-form description to clarify the related data elements and their content.	X	AN	01/80

BLR Transportation Carrier Identification

Level: Detail
Loop: 0200
Usage: Optional
Max Use: 1
Purpose: To transmit the identifying SCAC code and effective date for the data in the transaction set.

Notes: 01 The BLR segment shall only be used when the carrier delivering the freight is not the carrier that picked up the freight. The pick-up carrier shall be identified by its Standard Carrier Alpha Code (SCAC).

Semantic: 01 BLR02 is the effective date of the data in this transaction set.

Example: BLR*RDWY*19980517

Data Element Summary

Ref. Des.	Data Element	Name	Attributes		
01	140	Standard Carrier Alpha Code Please refer to the ANSI X12 guide for a complete listing.	M	ID	2/4
02	373	Date Date expressed as YYYYMMDD	O/Z	DT	8/8

MAN Marks and Numbers

Level: Detail
Loop: 0200
Usage: Optional
Max Use: 9999
Purpose: To indicate identifying marks and numbers for shipping containers.

Syntax:
01 P0405 - If either MAN04 or MAN05 is present, then the other is required.
02 C0605 - If MAN06 is present, then MAN05 is required.

Semantic:
01 MAN01/MAN02 and MAN04/MAN05 may be used to identify two different marks and numbers assigned to the same physical container.
02 When both MAN02 and MAN03 are used, MAN02 is the starting number of a sequential range and MAN03 is the ending number of that range.
03 When both MAN05 and MAN06 are used, MAN05 is the starting number of a sequential range, and MAN06 is the ending number of that range.

Comments:
01 When MAN01 contains code “UC” (U.P.C. Shipping Container code) and MAN05/MAN06 contain a range of ID numbers, MAN03 is not used. The reason for this is that the U.P.C. Shipping Container code is the same on every carton that is represented in the range in MAN05/MAN06.
02 This segment is not used by Roadway.

Example: MAN*GM*00123456789**CP*123456792

Data Element Summary

Ref. Des.	Data Element	Name	Attributes		
01	88	Marks and Numbers Qualifier Code specifying the application or source of Marks and Numbers (Element 87). CP - Carrier-Assigned package ID number GM - SSCC and Application identifier Please refer to the ANSI X12 guide for a complete listing.	M/Z	ID	1/2
02	87	Marks and Numbers Marks and Numbers used to identify a shipment or parts of a shipment.	M/Z	AN	1/48
03	87	Marks and Numbers Marks and Numbers used to identify a shipment or parts of a shipment.	O	AN	1/48
04	88	Marks and Numbers Qualifier Code specifying the application or source of Marks and Numbers (Element 87). CP - Carrier-Assigned package ID number GM - SSCC and Application identifier Please refer to the ANSI X12 guide for a complete listing.	X	ID	1/2
05	87	Marks and Numbers Marks and Numbers used to identify a shipment or parts of a shipment.	X/Z	An	1/48
06	87	Marks and Numbers Marks and Numbers used to identify a shipment or parts of a shipment.	O	AN	1/48

AT8 Shipment Weight, Packaging and Quantity Data

Level: Detail
Loop: 0200
Usage: Optional
Max Use: 1
Purpose: To specify shipment details in terms of weight and quantity of handling units.

Syntax:
01 P010203 - If either AT801, or AT802 or AT803 are present, then the others are required.
02 P0607 - If either AT806 or AT807 is present, then the other is required.

Semantic:
01 AT804 is the quantity of handling units that are not unitized (for example cartons). When added to the quantity in AT805, the sum is the total quantity of handling units in the shipment.
02 AT805 is the quantity of handling units that are unitized (for example pallets or slip sheets). When added to the quantity in AT804, the sum is the total quantity of handling units for the shipment.

Example: AT8*G*L*3000*5*4

Data Element Summary

Ref. Des.	Data Element	Name	Attributes		
01	187	Weight Qualifier Code defining the type of weight. B - Billed weight G - Gross weight N - Actual net weight	X	ID	1/2
02	188	Weight Unit Code Code specifying the weight unit. L - Pounds	X	ID	1/1
03	81	Weight Numeric value of weight.	X	R	1/10
04	80	Lading Quantity Number of units (pieces) of the lading commodity.	O/Z	N0	1/7
05	80	Lading Quantity Number of units (pieces) of the lading commodity.	O/Z	N0	1/7
06	184	Volume Unit Qualifier Code identifying the volume unit. E - Cubic Feet	X	ID	1/1
07	183	Volume Value of volumetric measure.	X	R	1/8

G62 Date/Time

Level: Header
Loop: 0200
Usage: Optional
Max Use: 5
Purpose: To specify pertinent dates and times.

Syntax: 01 R0103 - At least one of G6201 or G6203 is required.
02 P0102 - If either G6201 or G6202 is present, then the other is required.
03 P0304 - If either G6203 or G6204 is present, then the other is required.

Example: G62*86*19980515

Data Element Summary

Ref. Des.	Data Element	Name	Attributes		
01	432	Date Qualifier Code specifying type of date. 86 - Actual pickup date	M	ID	2/2
02	373	Date (YYYYMMDD)	M	DT	8/8
03	176	Time Qualifier Code specifying the reported time.	O	ID	1/2
04	337	Time (HHMM)	O	TM	4/8
05	623	Time Code Code identifying the time zone. ET - Eastern time CT - Central time MT - Mountain time PT - Pacific time	O	ID	2/2

TSD Trailer Shipment Details

Level: Detail
Loop: 0200
Usage: Optional
Max Use: 1
Purpose: To specify details of shipments on a trailer.

Notes: 01 When using the TSD segment in transaction set 212, the only codes that can be used in the TSD02 element are as follows: 1 - indicates the shipment is in the first quarter of the trailer (closest to the nose of the trailer); 2 - indicates that the shipment is in the second quarter of the trailer; 3 - indicates that the shipment is in the third quarter of the trailer; 4 - indicates that the shipment is in the fourth quarter of the trailer (closest to the rear door of the trailer).

Semantic: 01 TSD01 indicates the loading sequence and relative shipment position on the trailer.

Example: TSD*1

Data Element Summary

Ref. Des.	Data Element	Name	Attributes		
01	350	Assigned Identification	O/Z	AN	1/20
02	219	Position Relative position of shipment in car, trailer, or container (mutually defined).	O	AN	1/3

SPO Shipment Purchase Order Detail

Level: Detail
Loop: 0210
Usage: Optional
Max Use: 1
Purpose: To specify the purchase order details for a shipment.

Syntax:
01 P0304 - If either SPO03 or SPO04 is present, then the other is required.
02 P0506 - If SPO05 or SPO06 is present, then the other is required.

Semantic:
01 SPO02 is the department number.
02 SPO04 is the total quantity for the purchase order.
03 SPO06 is the total weight for the purchase order.
04 SPO07 indicates the data error condition relative to the shipment management information.
05 SPO08 is used to specify sorting and/or segregating reference numbers for each receiving location (processing area).

Example: SPO*12345*12*CT*134*L*1800

Data Element Summary

Ref. Des.	Data Element	Name	Attributes		
01	324	Purchase Order Number Identifying number for Purchase Order assigned by the orderer/purchaser.	M	AN	1/22
02	127	Reference Identification Reference information as defined for a particular transaction set or as specified by the Reference Identification Qualifier. SPO02 is the department number.	O/Z	AN	1/30
03	355	Unit or Basis Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken. CT - Cartons	X	ID	2/2
04	380	Quantity Total units on the Purchase Order.	X/Z	R	1/15
05	188	Weight Unit Code Code specifying the weight unit. L - Pounds.	X	ID	1/1
06	81	Weight Numeric value of weight.	X/Z	R	1/10
07	647	Application Error Condition Code Code indicating application error condition.	O	ID	1/3
08	127	Reference Identification Reference information as defined for a particular transaction set or as specified by the Reference Identification Qualifier.	O/Z	AN	1/30

SDQ Destination Quantity

Level: Header
Loop: 210
Usage: Optional
Max Use: 9999
Purpose: To specify destination and quantity detail.

Syntax:
01 P0506 - If either SDQ05 or SDQ06 is present, then the other is required.
02 P0708 - If either SDQ07 or SDQ08 is present, then the other is required.
03 P0910 - If either SDQ09 or SDQ10 is present, then the other is required.
04 P1112 - If either SDQ11 or SDQ12 is present, then the other is required.
05 P1314 - If either SDQ13 or SDQ14 is present, then the other is required.
06 P1516 - If either SDQ15 or SDQ16 is present, then the other is required.
07 P1718 - If either SDQ17 or SDQ18 is present, then the other is required.
08 P1920 - If either SDQ19 or SDQ20 is present, then the other is required.
09 P2122 - If either SDQ21 or SDQ22 is present, then the other is required.

Semantic:
01 SDQ23 identifies the area within the location identified in SDQ03, SDQ05, SDQ07, SDQ09, SDQ11, SDQ13, SDQ15, SDQ17, SDQ19, and SDQ21.

Comments:
01 SDQ02 is used only if different than previously defined in the transaction set.
02 SDQ03 is the store number.
03 SDQ23 may be used to identify areas within a store, e.g., front room, back room, selling outpost, end aisle display, etc. The value is agreed to by trading partners or industry conventions.

Notes: All occurrences of data element 67 in the SDQ segment are used to identify store numbers.

Example: SDQ*CT*92*142*100

Data Element Summary

Ref. Des.	Data Element	Name	Attributes		
01	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken.	M	ID	2/2
02	66	Identification Code Qualifier Code designating the system/method of code structure used for identification code (67). 92 - Assigned by buyer or buyer's agent.	o	ID	1/2
03	67	Identification Code Code identifying a party or other code.	M	AN	2/80
04	380	Quantity Numeric value of quantity.	M	R	1/15
05	67	Identification Code Code identifying a party or other code.	X	AN	2/80
06	380	Quantity Numeric value of quantity.	X	R	1/15
07	67	Identification Code Code identifying a party or other code.	X	AN	2/80
08	380	Quantity Numeric value of quantity.	X	R	1/15
09	67	Identification Code Code identifying a party or other code.	X	AN	2/80

10	380	Quantity Numeric value of quantity.	X	R	1/15
11	67	Identification Code Code identifying a party or other code.	X	AN	2/80
12	380	Quantity Numeric value of quantity.	X	R	1/15
13	67	Identification Code Code identifying a party or other code.	X	AN	2/80
14	380	Quantity Numeric value of quantity.	X	R	1/15
15	67	Identification Code Code identifying a party or other code.	X	AN	2/80
16	380	Quantity Numeric value of quantity.	X	R	1/15
17	67	Identification Code Code identifying a party or other code.	X	AN	2/80
18	380	Quantity Numeric value of quantity.	X	R	1/15
19	67	Identification Code Code identifying a party or other code.	X	AN	2/80
20	380	Quantity Numeric value of quantity.	X	R	1/15
21	67	Identification Code Code identifying a party or other code.	X	AN	2/80
22	380	Quantity Numeric value of quantity.	X	R	1/15
23	310	Location identifier Code which identifies a specific location.	O/Z	AN	1/30

N1 Name

Level: Header
Loop: 0220
Usage: Optional
Max Use: 1
Purpose: To identify a party by type of organization, name, and code.

Notes: Loop 0220 shall only be used to provide the identification of the shipper if the carrier has not provided that information in a previous shipment status message.

Syntax: 01 R0203 - At least one of N102 or N103 is required.
02 P0304 - If either N103 or N104 is present, then the other is required.

Comment: 01 This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the “ID Code” (N104) must provide a key to the table maintained by the transaction processing party.

02 N105 and N106 further define the type of entity in N101.

Example: N1*SF*JOE SUPPLIER

Data Element Summary

Ref. Des.	Data Element	Name	Attributes		
01	98	Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual. SF - Ship From	M	ID	2/3
02	93	Name Free-form name.	M	AN	1/60
03	66	Identification Code Qualifier Code designating the system/method of code structure used for Identification Code (Element 67).	X	ID	1/2
04	67	Identification Code Code identifying a party or other code.	X	AN	2/80
05	706	Entity Relationship Code Code describing entity relationship.	O	ID	2/2
06	98	Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual.	O	ID	2/3

N2 Additional Name Information

Level: Header
Loop: 0220
Usage: Optional
Max Use: 1
Purpose: To specify additional names or those longer than 35 characters in length.

Example: N2*DOCK #4

Data Element Summary

Ref. Des.	Data Element	Name	Attributes		
01	93	Name Free-form name.	O	AN	1/60
02	93	Name Free-form name.	O	AN	1/60

N3 Address Information

Level: Header
Loop: 0220
Usage: Optional
Max Use: 2
Purpose: To specify the location of the named party.

Example: N3*117N MAIN ST*SUITE 100

Data Element Summary

Ref. Des.	Data Element	Name	Attributes		
01	166	Address Information The address of the entity described in the N101.	M	AN	01/55
02	166	Address Information	O	AN	01/55

N4 Geographic Location

Level: Header
Loop: 0220
Usage: Optional
Max Use: 1
Purpose: To specify the geographic place of the named party.

Syntax: 01 C0605 - If N406 is present, then N405 is required.

Comment: 01 A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.

02 N402 is required only if city name (N401) is in the U.S. or Canada.

Example: N4*CLEVELAND*OH*44417

Data Element Summary

Ref. Des.	Data Element	Name	Attributes		
01	19	City Name Free-form text for city name.	M	AN	02/30
02	156	State/Province Code Code (Standard State/Province) as defined by appropriate government agency.	M	ID	02/02
03	116	Postal Code Code defining the international postal zone code excluding punctuation and blanks (zip code for United States).	M	ID	03/15
04	26	Country Code Code identifying the country If other than the United States.	O	ID	02/03
05	309	Location Qualifier Code identifying the type of location.	O	ID	01/02
06	310	Location Identifier Code which identifies a specific location.	O	AN	01/30

L11 Business Instructions and Reference Number

Level: Detail
Loop: 0220
Usage: Optional
Max Use: 1
Purpose: To specify instructions in this business relationship or a reference number.

Syntax: 01 R0103 - At least one of L1101 or L1103 is required.
02 P0102 - If either L1101 or L1102 is present, then the other is required.
Comment: This segment is not used by Roadway.

Data Element Summary

Ref. Des.	Data Element	Name	Attributes		
01	127	Reference Identification Reference information as defined for a particular transaction set or as specified by the Reference Identification Qualifier. Not Used	X	AN	01/30
02	128	Reference Identification Qualifier Code qualifying the Reference Identification. Not Used	X	ID	02/03
03		Description A free-form description to clarify the related data elements and their content. Not Used	X	AN	01/80

SE Transaction Set Trailer

Level: Detail
Loop:
Usage: Mandatory
Max Use: 1
Purpose: To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments).

Comment: 01 SE is the last segment of each transaction set.

Example: SE*45*000010001

Data Element Summary

Ref. Des.	Data Element	Name	Attributes		
01	96	Number of Included Sets Total number of segments included in a transaction set including ST and SE segments.	M	NO	01/10
02	329	Transaction Set Control Number Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set.	M	AN	04/09